

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101916\
 Data File : BF090648.D
 Acq On : 19 Oct 2016 15:31
 Operator : UM/SJ
 Sample : H5291-01MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGSMSD

Manual Integrations
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Sohil
 10/20/2016 10:36:49 AM

Quant Time: Oct 19 16:19:46 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 19 15:13:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	261345	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	1188693	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	647148	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	1051776	20.00	ng	0.00
75) Chrysene-d12	14.06	240	900825	20.00	ng	0.00
86) Perylene-d12	15.52	264	619177	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.51	112	1698456	119.14	ng	0.02
7) Phenol-d6	6.53	99	2073193	97.87	ng	0.00
23) Nitrobenzene-d5	7.46	82	1428461	66.76	ng	0.00
41) 2,4,6-Tribromophenol	10.73	330	569830	98.76	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	2449378	62.36	ng	-0.01
78) Terphenyl-d14	13.01	244	2647572	68.43	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.68	88	234985m	28.92	ng	
3) Pyridine	3.40	79	572723m	31.45	ng	
4) n-Nitrosodimethylamine	3.32	42	258967m	40.96	ng	
6) Aniline	6.55	93	323785	12.65	ng	# 49
8) 2-Chlorophenol	6.68	128	675880	36.56	ng	88
9) Benzaldehyde	6.44	77	110513	8.21	ng	99
10) Phenol	6.54	94	761622	31.44	ng	98
11) bis(2-Chloroethyl)ether	6.62	93	692007	34.62	ng	93
12) 1,3-Dichlorobenzene	6.83	146	629681	34.16	ng	99
13) 1,4-Dichlorobenzene	6.91	146	655146	32.68	ng	99
14) 1,2-Dichlorobenzene	7.06	146	621394	33.15	ng	98
15) Benzyl Alcohol	7.03	79	594766	41.22	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.17	45	1015701	36.11	ng	91
17) 2-Methylphenol	7.15	107	542524	37.66	ng	98
18) Hexachloroethane	7.40	117	247927	31.29	ng	98
19) n-Nitroso-di-n-propylamine	7.31	70	534699	36.81	ng	# 91
20) 3+4-Methylphenols	7.31	107	673117	38.54	ng	# 77
22) Acetophenone	7.30	105	911088	34.69	ng	# 93
24) Nitrobenzene	7.47	77	719528	32.76	ng	98
25) Isophorone	7.72	82	1498860	38.49	ng	# 94
26) 2-Nitrophenol	7.79	139	336259	33.75	ng	100
27) 2,4-Dimethylphenol	7.83	122	630481	38.13	ng	99
28) bis(2-Chloroethoxy)methane	7.93	93	861054	37.44	ng	99
29) 2,4-Dichlorophenol	8.04	162	530392	36.63	ng	98
30) 1,2,4-Trichlorobenzene	8.12	180	557187	32.85	ng	99
31) Naphthalene	8.20	128	2054056	33.92	ng	99
32) Benzoic acid	7.97	122	354168	34.88	ng	97
33) 4-Chloroaniline	8.25	127	185032	8.00	ng	99
34) Hexachlorobutadiene	8.31	225	292692	30.89	ng	99
35) Caprolactam	8.62	113	172218m	42.61	ng	
36) 4-Chloro-3-methylphenol	8.74	107	613851	36.74	ng	92
37) 2-Methylnaphthalene	8.89	142	1188805	33.43	ng	99
39) 1,2,4,5-Tetrachlorobenzene	9.06	216	556699	32.44	ng	99
40) Hexachlorocyclopentadiene	9.05	237	606168	72.32	ng	99

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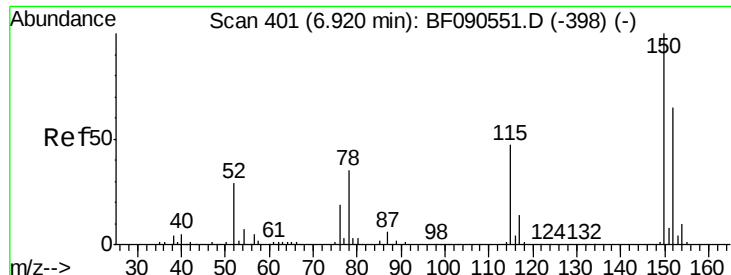
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.17	196	380829	39.35	nq	98
43) 2,4,5-Trichlorophenol	9.22	196	381519	33.04	nq	97
45) 1,1'-Biphenyl	9.35	154	1516178	30.79	nq	99
46) 2-Chloronaphthalene	9.38	162	1178026	32.08	nq	98
47) 2-Nitroaniline	9.48	65	491086	36.89	nq	96
48) Acenaphthylene	9.80	152	2003282	34.26	nq	99
49) Dimethylphthalate	9.66	163	1536124	36.59	nq	# 100
50) 2,6-Dinitrotoluene	9.72	165	316288	34.43	nq	# 75
51) Acenaphthene	9.97	154	1421366	36.57	nq	99
52) 3-Nitroaniline	9.89	138	135949	11.79	nq	99
53) 2,4-Dinitrophenol	9.99	184	316631	64.65	nq	# 69
54) Dibenzofuran	10.14	168	1752277	34.28	nq	95
55) 4-Nitrophenol	10.06	139	494608	71.29	nq	94
56) 2,4-Dinitrotoluene	10.13	165	462555	37.07	nq	# 86
57) Fluorene	10.49	166	1468694	34.83	nq	100
58) 2,3,4,6-Tetrachlorophenol	10.26	232	320356m	33.31	nq	
59) Diethylphthalate	10.36	149	1494615	35.10	nq	97
60) 4-Chlorophenyl-phenylether	10.47	204	655048	32.95	nq	92
61) 4-Nitroaniline	10.51	138	335051	28.98	nq	95
62) Azobenzene	10.63	77	1784232	36.22	nq	95
64) 4,6-Dinitro-2-methylphenol	10.53	198	204704	32.16	nq	# 42
65) n-Nitrosodiphenylamine	10.60	169	1263797	36.38	nq	98
66) 4-Bromophenyl-phenylether	10.97	248	386821	34.28	nq	# 90
67) Hexachlorobenzene	11.03	284	447975	36.56	nq	# 77
68) Atrazine	11.13	200	349294	36.35	nq	99
69) Pentachlorophenol	11.23	266	485856	80.00	nq	96
70) Phenanthrene	11.45	178	1894727	33.75	nq	97
71) Anthracene	11.50	178	2200425	36.42	nq	99
72) Carbazole	11.65	167	1766548	32.66	nq	98
73) Di-n-butylphthalate	11.98	149	2257100	35.62	nq	# 97
74) Fluoranthene	12.63	202	1947678	34.49	nq	94
76) Benzidine	12.76	184	165431	7.38	nq	96
77) Pyrene	12.86	202	1896253	31.78	nq	98
79) Butylbenzylphthalate	13.48	149	992109	37.53	nq	# 85
80) Benzo(a)anthracene	14.05	228	1797596	35.05	nq	100
81) 3,3'-Dichlorobenzidine	14.02	252	328916	18.77	nq	98
82) Chrysene	14.10	228	1846534	37.37	nq	98
83) Bis(2-ethylhexyl)phthalate	14.04	149	1440238	40.39	nq	# 97
84) Di-n-octyl phthalate	14.66	149	2401417	50.22	nq	# 95
85) Indeno(1,2,3-cd)pyrene	16.96	276	1158870	40.56	nq	98
87) Benzo(b)fluoranthene	15.09	252	1719447	42.44	nq	99
88) Benzo(k)fluoranthene	15.13	252	1167063m	26.77	nq	
89) Benzo(a)pyrene	15.46	252	1292782	34.85	nq	97
90) Dibenzo(a,h)anthracene	16.97	278	1004343	35.50	nq	99
91) Benzo(g,h,i)perylene	17.39	276	901131	33.41	nq	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

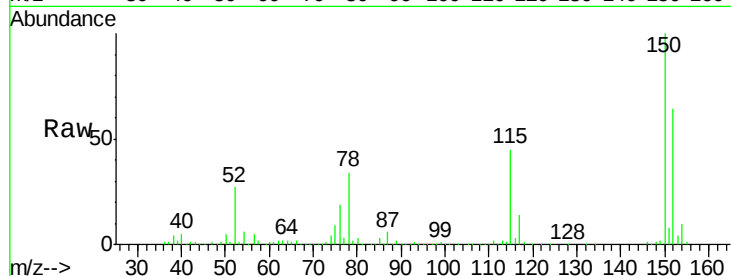
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 398
Delta R.T. -0.00 min
Lab File: BF090648.D
Acq: 19 Oct 2016 15:31

Instrument :
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SOIL-CUTTINGSMSD

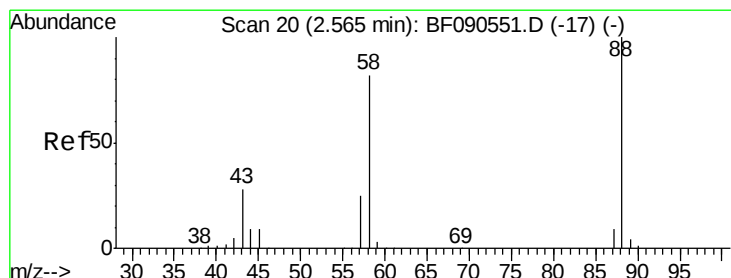
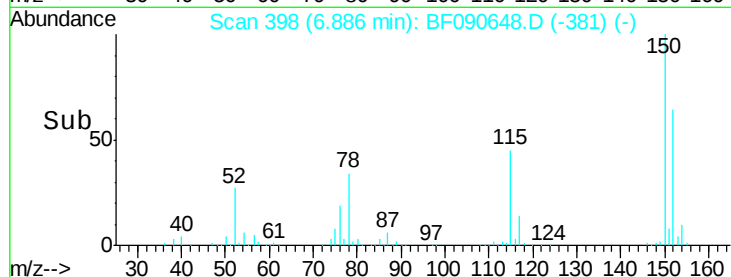
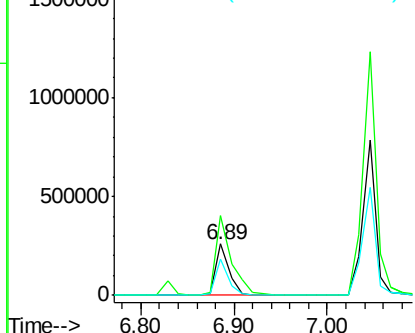
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	127.2	190.8
115	70.5	58.6	88.0

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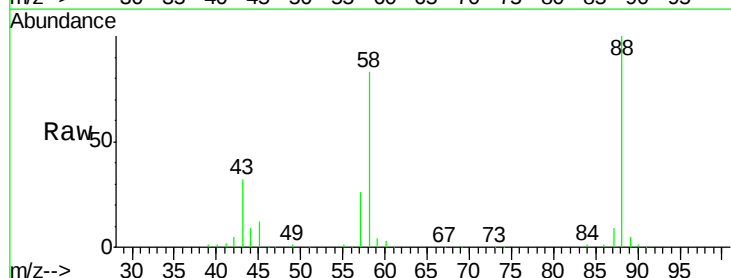
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



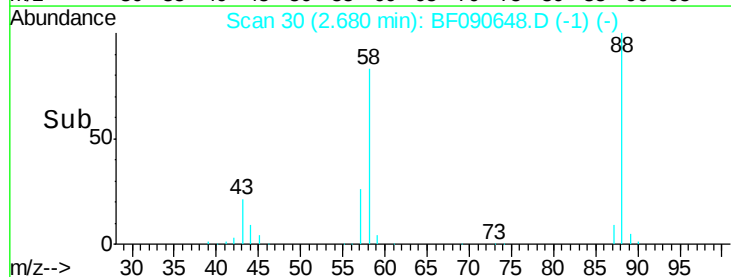
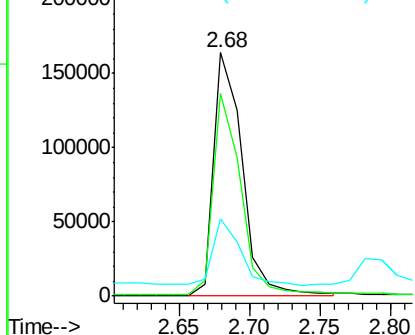
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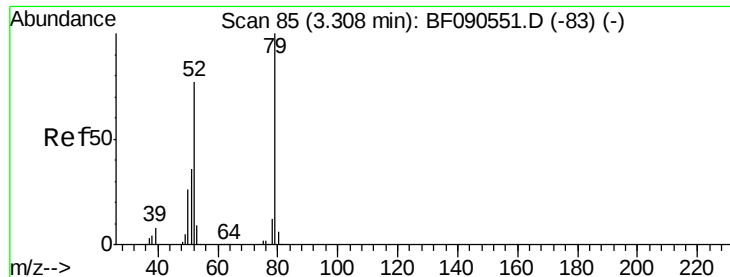
1,4-Dioxane
Concen: 28.92 ng m
RT: 2.68 min Scan# 30
Delta R.T. 0.16 min
Lab File: BF090648.D
Acq: 19 Oct 2016 15:31

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	67.2	100.8#
43	0.0	24.1	36.1#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 31.45 ng m

RT: 3.40 min Scan# 93

Delta R.T. 0.15 min

Lab File: BF090648.D

Acq: 19 Oct 2016 15:31

Instrument :

BNA_F

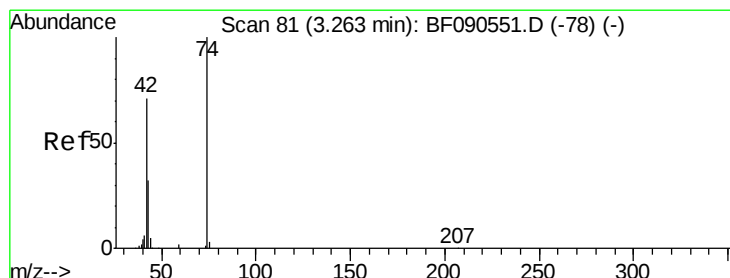
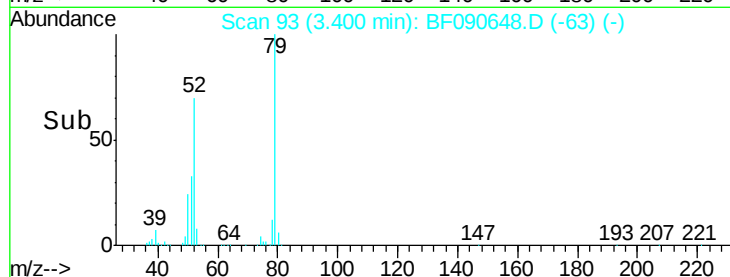
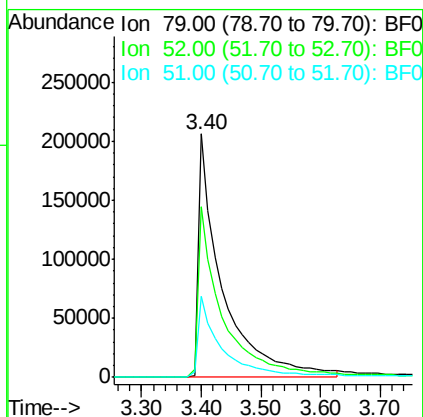
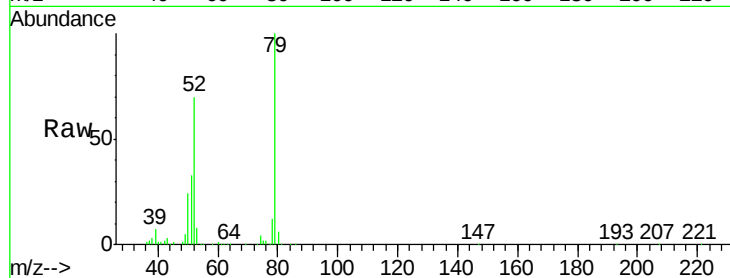
ClientSampleId :

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Tot Ion:	79	Resp:	572723
Ion	Ratio	Lower	Upper
79	100		
52	69.9	61.8	92.8
51	33.1	29.2	43.8

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#4

n-Nitrosodimethylamine

Concen: 40.96 ng m

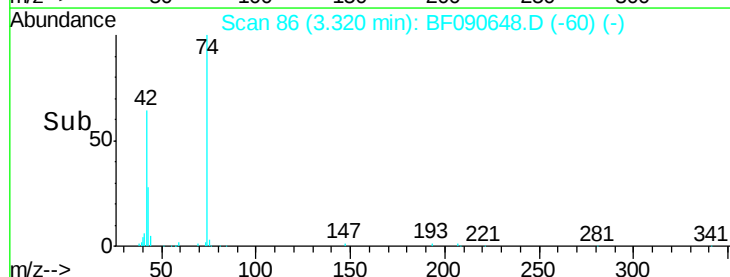
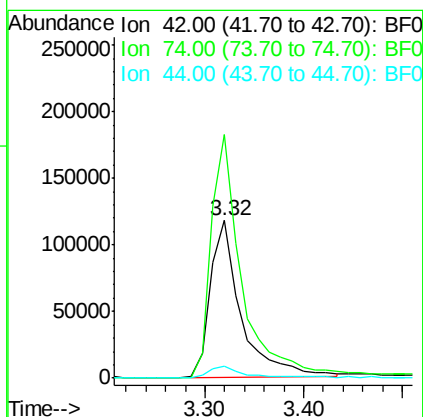
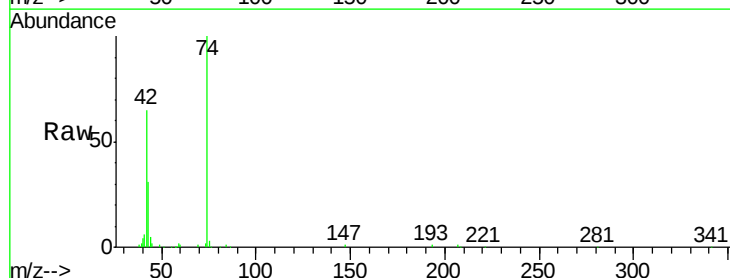
RT: 3.32 min Scan# 86

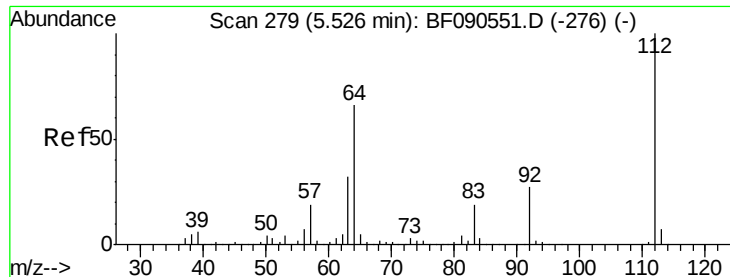
Delta R.T. 0.10 min

Lab File: BF090648.D

Acq: 19 Oct 2016 15:31

Tgt Ion:	42	Resp:	258967
Ion	Ratio	Lower	Upper
42	100		
74	154.6	113.3	169.9
44	7.7	6.0	9.0





#5

2-Fluorophenol

Concen: 119.14 ng

RT: 5.51 min Scan# 278

Delta R.T. 0.02 min

Lab File: BF090648.D

Acq: 19 Oct 2016 15:31

Instrument :

BNA_F

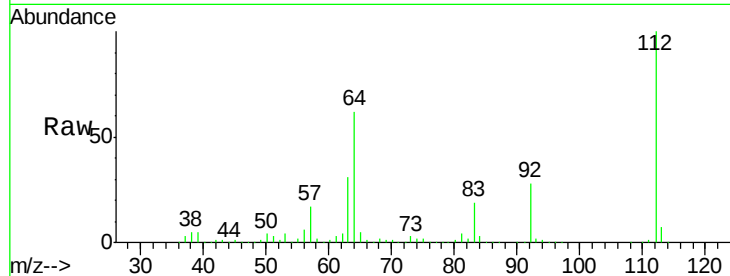
ClientSampleId :

SOIL-CUTTINGSMSD

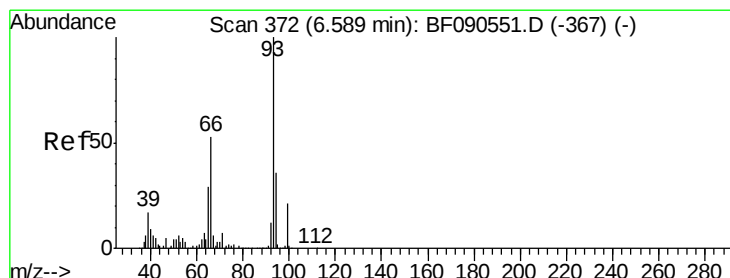
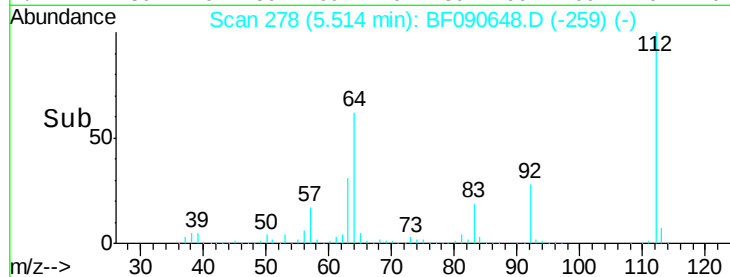
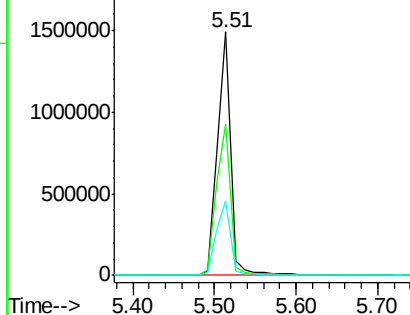
Tot Ion:	112	Resp:	1698456
Ion Ratio	Lower	Upper	
112	100		
64	62.2	52.6	78.8
63	30.6	26.0	39.0

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Abundance Ion 112.00 (111.70 to 112.70): BF0
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 12.65 ng

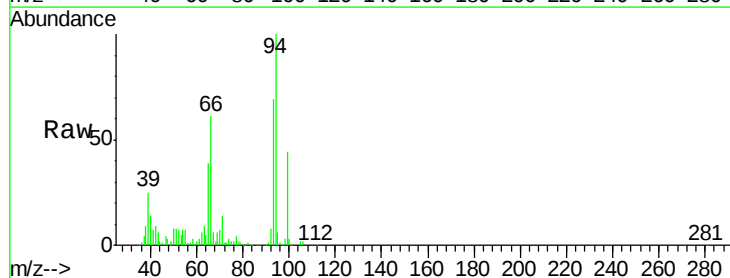
RT: 6.55 min Scan# 369

Delta R.T. -0.00 min

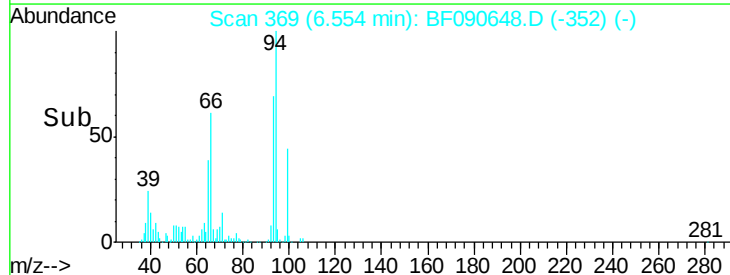
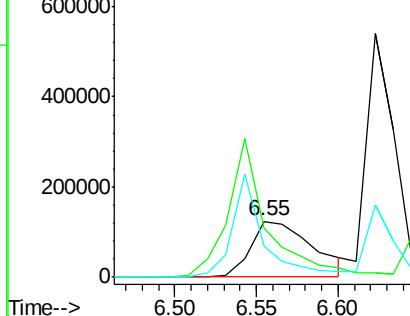
Lab File: BF090648.D

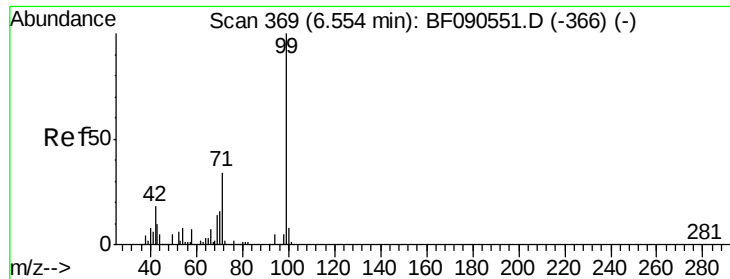
Acq: 19 Oct 2016 15:31

Tgt Ion:	93	Resp:	323785
Ion Ratio	Lower	Upper	
93	100		
66	88.0	42.2	63.2#
65	56.6	22.9	34.3#



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 66.00 (65.70 to 66.70): BF0
Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 97.87 ng

RT: 6.53 min Scan# 367

Delta R.T. -0.00 min

Lab File: BF090648.D

Acq: 19 Oct 2016 15:31

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGSMSD

Tot Ion: 99 Resp: 2073193

Ion Ratio Lower Upper

99 100

42 17.2 14.7 22.1

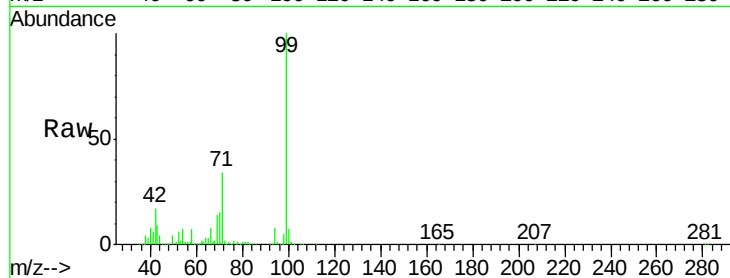
71 34.1 27.6 41.4

Manual Integrations

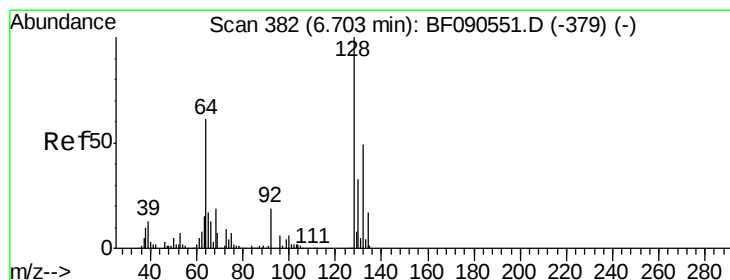
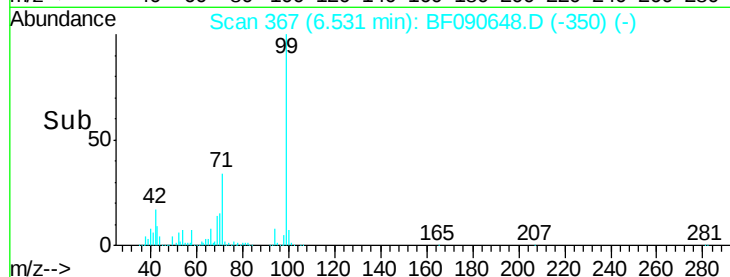
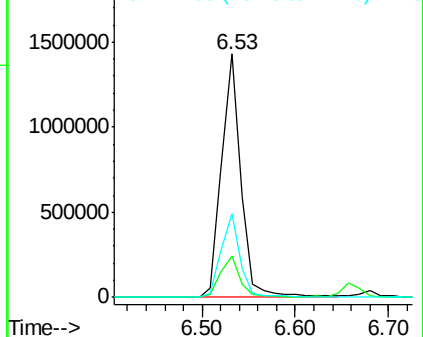
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 36.56 ng

RT: 6.68 min Scan# 380

Delta R.T. -0.00 min

Lab File: BF090648.D

Acq: 19 Oct 2016 15:31

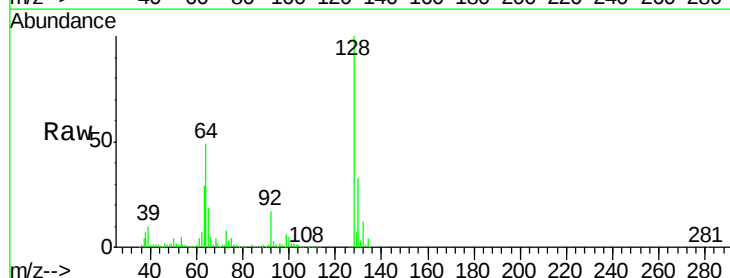
Tgt Ion: 128 Resp: 675880

Ion Ratio Lower Upper

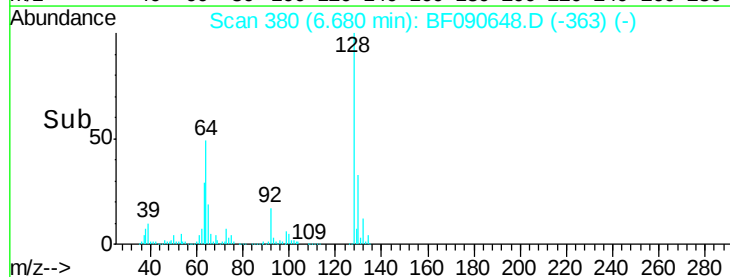
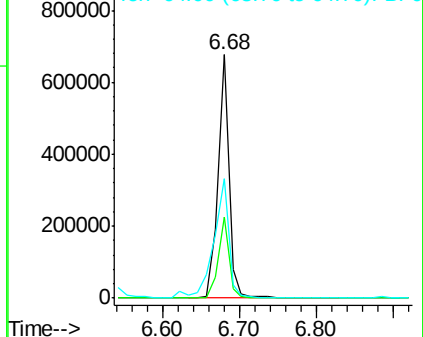
128 100

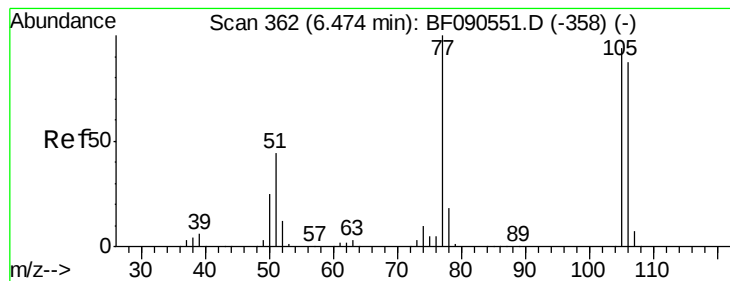
130 33.3 12.6 52.6

64 48.9 42.6 82.6



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 8.21 ng

RT: 6.44 min Scan# 359

Delta R.T. -0.00 min

Lab File: BF090648.D

Acq: 19 Oct 2016 15:31

Instrument :

BNA_F

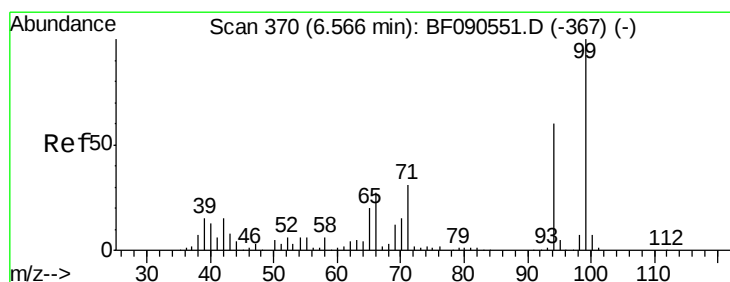
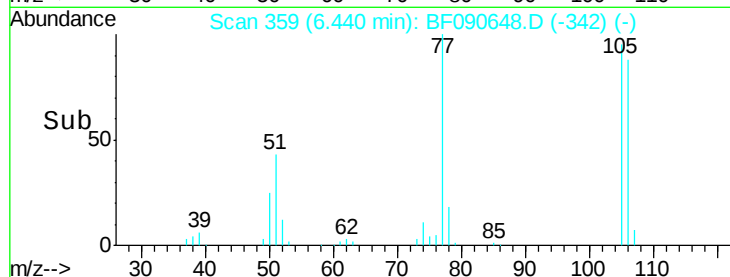
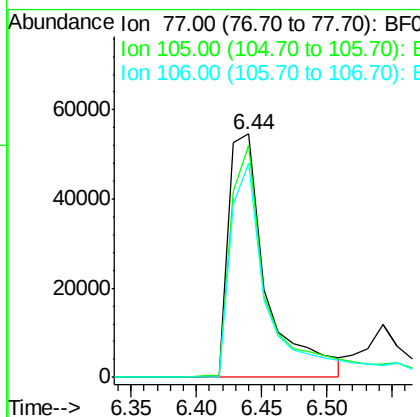
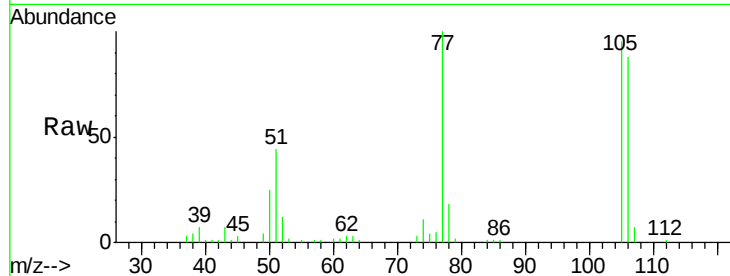
ClientSampleId :

SOIL-CUTTINGSMSD

Tot Ion:	77	Resp:	110513
Ion	Ratio	Lower	Upper
77	100		
105	95.4	74.3	114.3
106	87.8	67.2	107.2

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#10

Phenol

Concen: 31.44 ng

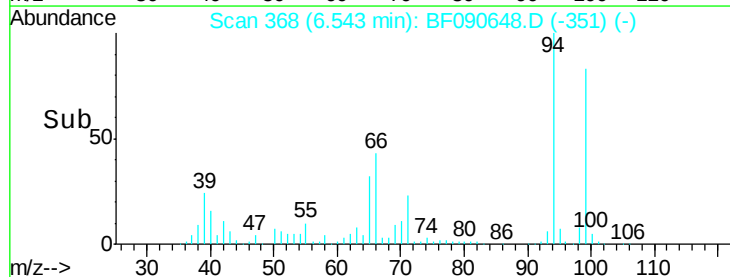
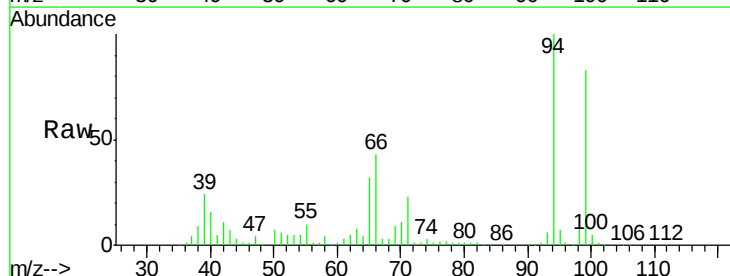
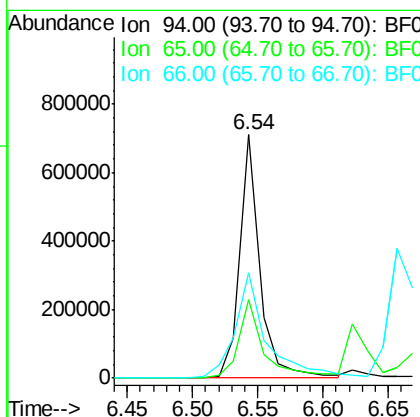
RT: 6.54 min Scan# 368

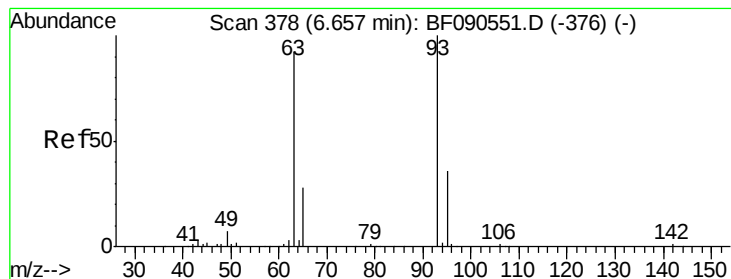
Delta R.T. -0.00 min

Lab File: BF090648.D

Acq: 19 Oct 2016 15:31

Tgt Ion:	94	Resp:	761622
Ion	Ratio	Lower	Upper
94	100		
65	32.2	12.5	52.5
66	43.3	25.5	65.5





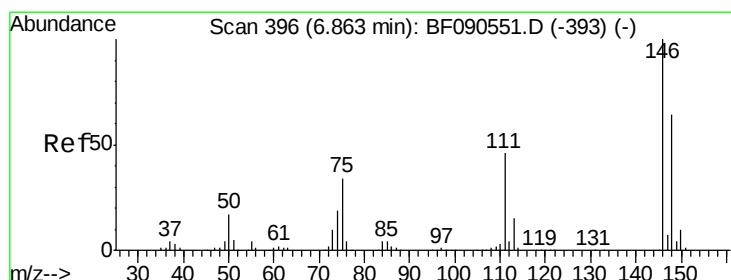
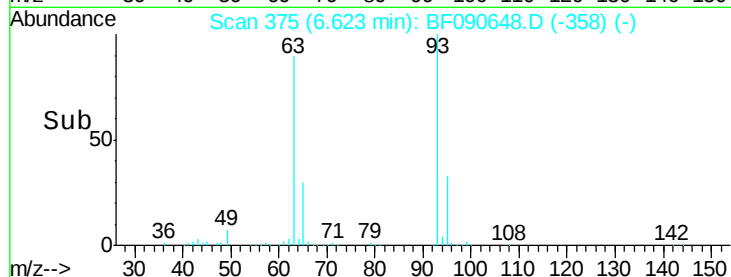
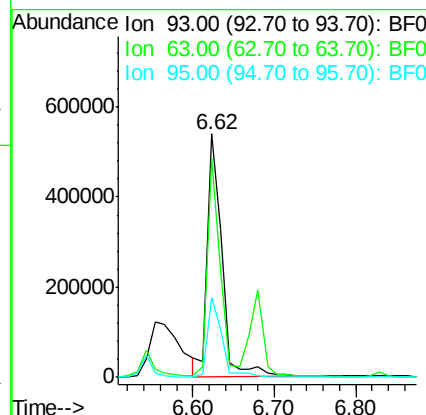
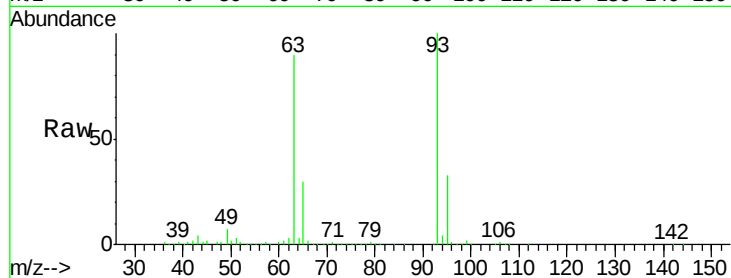
#11
bis(2-Chloroethyl)ether
Concen: 34.62 ng
RT: 6.62 min Scan# 375
Delta R.T. -0.00 min
Lab File: BF090648.D
Acq: 19 Oct 2016 15:31

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGSMSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	90.3	61.6	101.6
95	32.6	11.8	51.8

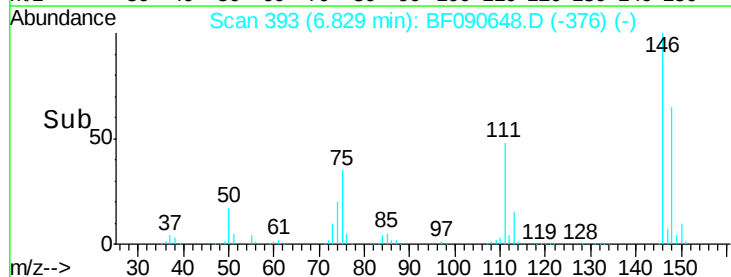
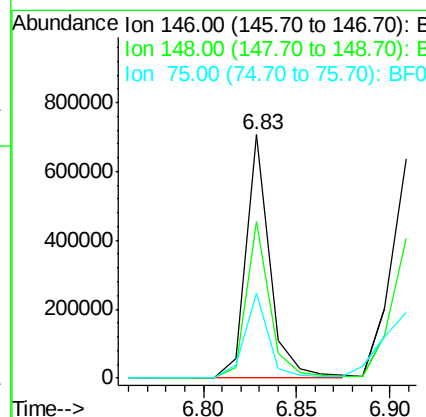
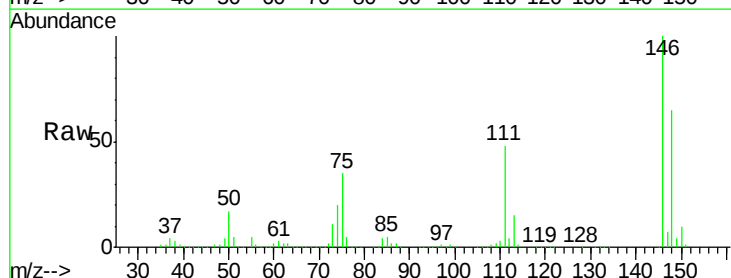
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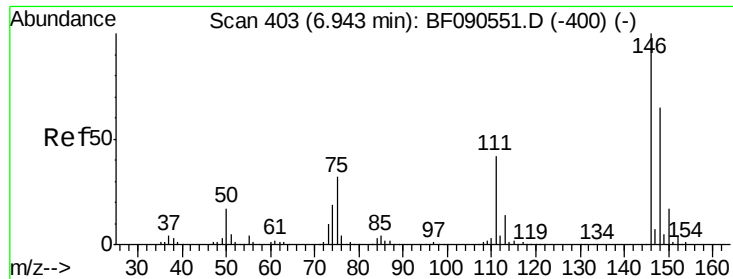
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#12
1,3-Dichlorobenzene
Concen: 34.16 ng
RT: 6.83 min Scan# 393
Delta R.T. -0.00 min
Lab File: BF090648.D
Acq: 19 Oct 2016 15:31

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.4	77.2
75	35.1	27.0	40.6





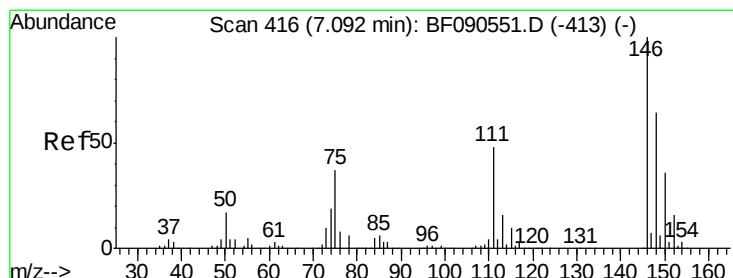
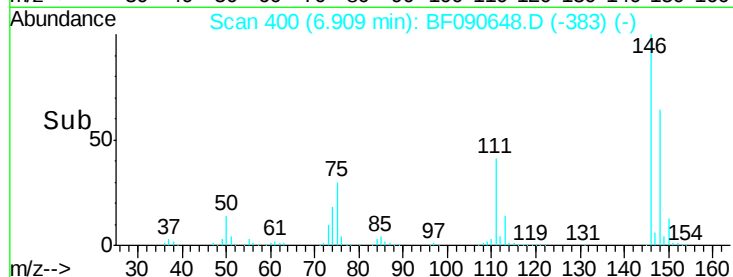
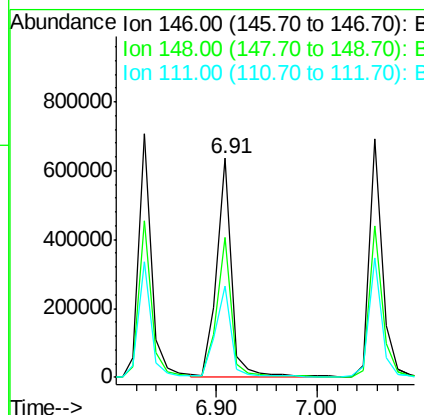
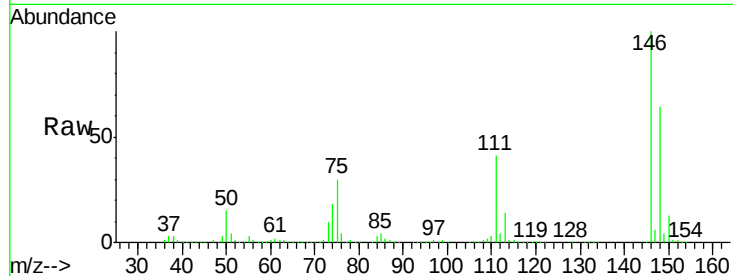
#13
 1,4-Dichlorobenzene
 Concen: 32.68 ng
 RT: 6.91 min Scan# 400
 Delta R.T. -0.00 min
 Lab File: BF090648.D
 Acq: 19 Oct 2016 15:31

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGSMSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.9	77.9
111	41.4	33.7	50.5

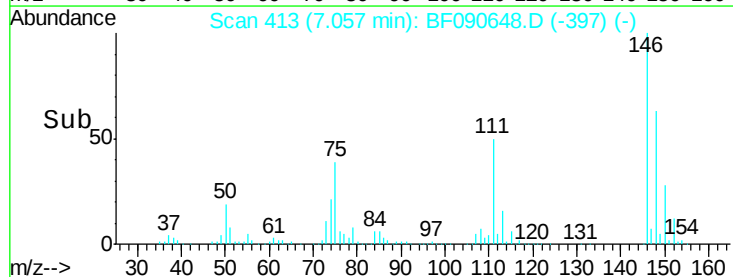
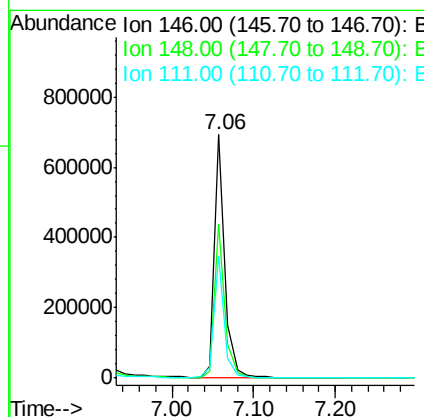
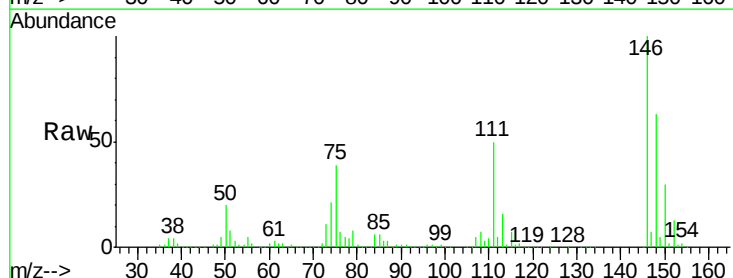
Manual Integrations
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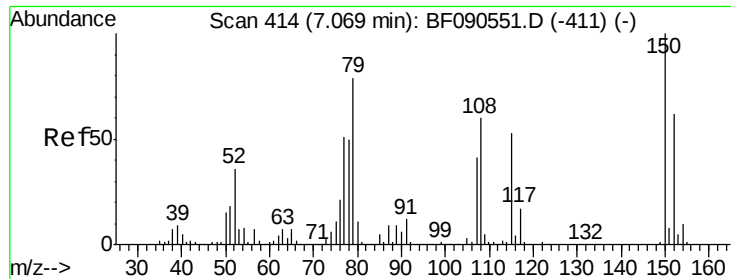
Sohil
 10/20/2016 10:36:49 AM



#14
 1,2-Dichlorobenzene
 Concen: 33.15 ng
 RT: 7.06 min Scan# 413
 Delta R.T. -0.01 min
 Lab File: BF090648.D
 Acq: 19 Oct 2016 15:31

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.2	76.8
111	50.1	38.2	57.2





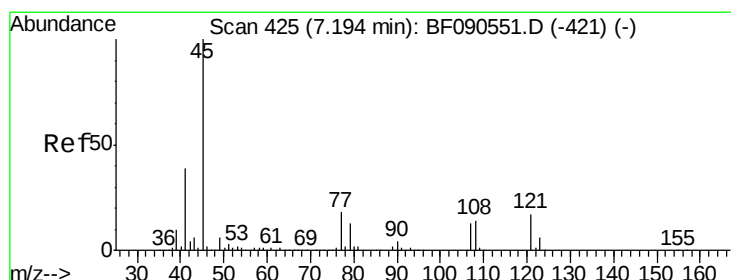
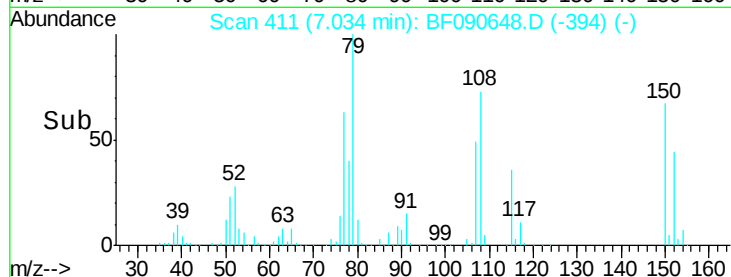
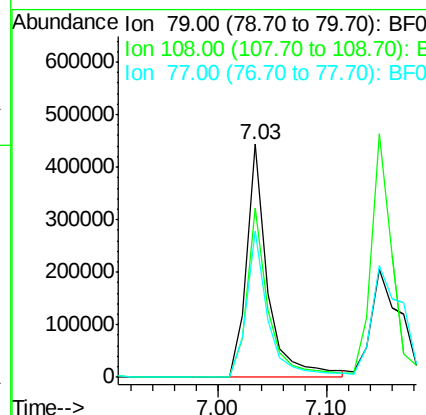
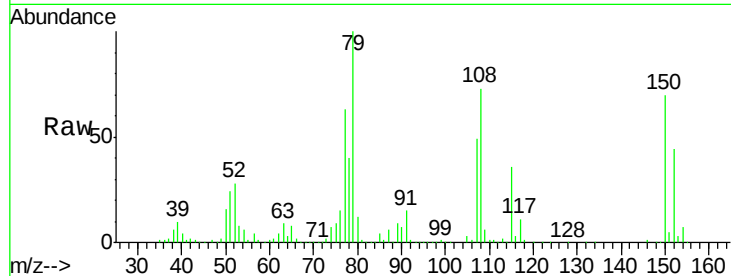
#15
Benzyl Alcohol
Concen: 41.22 ng
RT: 7.03 min Scan# 411
Delta R.T. -0.00 min
Lab File: BF090648.D
Acq: 19 Oct 2016 15:31

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGSMSD

Tot Ion: 79 Resp: 594766
Ion Ratio Lower Upper
79 100
108 72.7 60.2 90.4
77 62.9 52.0 78.0

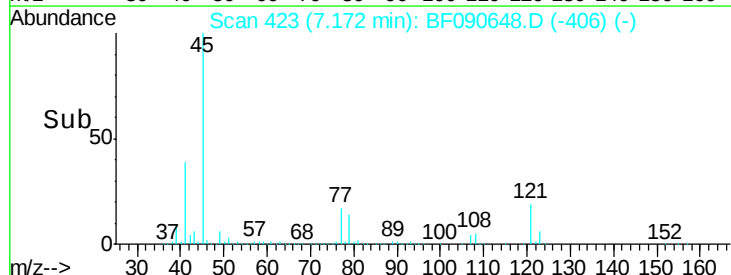
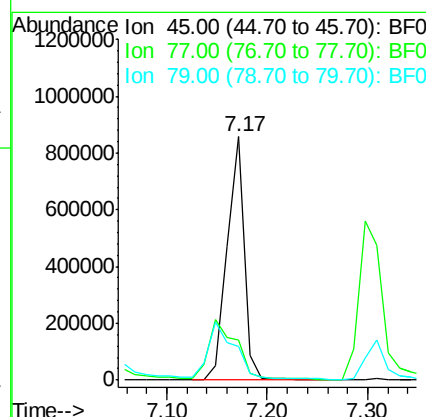
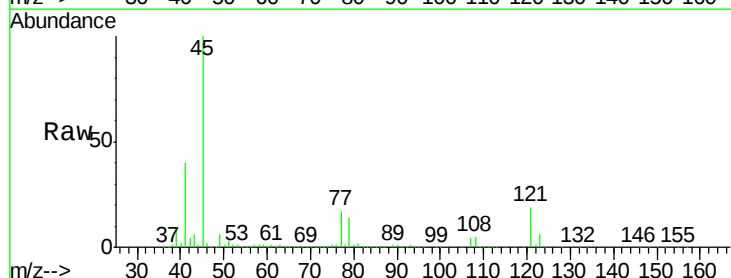
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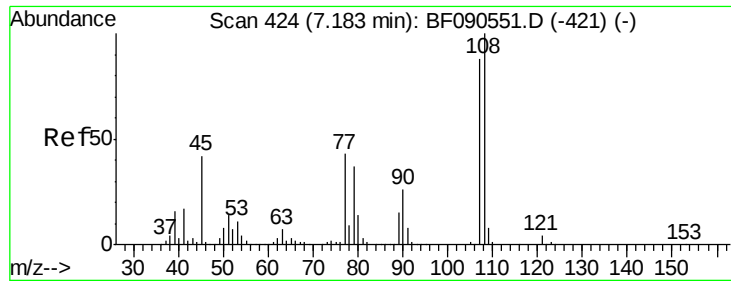
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#16
2,2'-oxybis(1-chloropropane)
Concen: 36.11 ng
RT: 7.17 min Scan# 423
Delta R.T. -0.00 min
Lab File: BF090648.D
Acq: 19 Oct 2016 15:31

Tgt Ion: 45 Resp: 1015701
Ion Ratio Lower Upper
45 100
77 16.6 0.9 40.9
79 13.9 0.0 37.3





#17

2-Methylphenol

Concen: 37.66 ng

RT: 7.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: BF090648.D

Acq: 19 Oct 2016 15:31

Instrument :

BNA_F

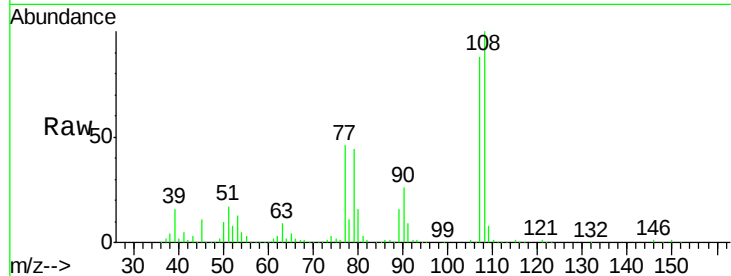
ClientSampleId :

SOIL-CUTTINGSMSD

Tot Ion:	107	Resp:	542524
Ion Ratio	Lower	Upper	
107	100		
108	113.1	92.6	138.8
77	52.0	42.2	63.2
79	49.9	40.7	61.1

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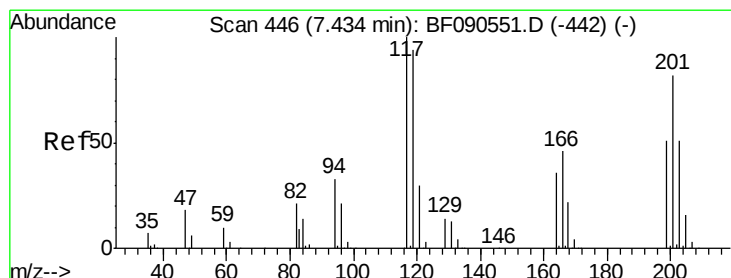
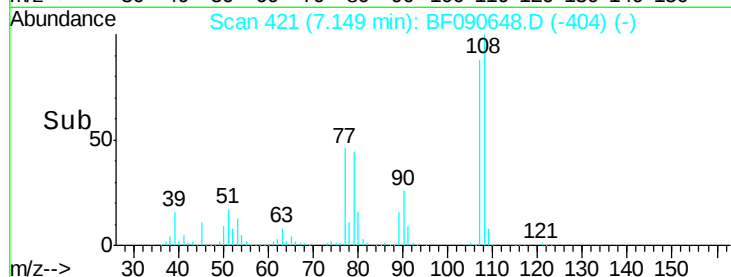
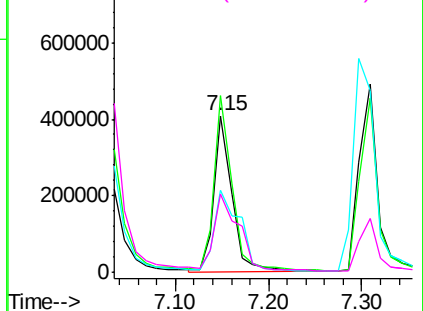
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 31.29 ng

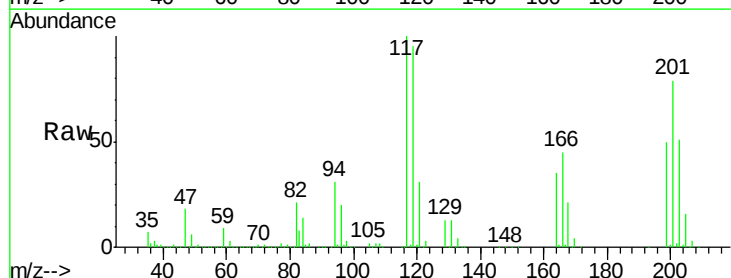
RT: 7.40 min Scan# 443

Delta R.T. -0.00 min

Lab File: BF090648.D

Acq: 19 Oct 2016 15:31

Tgt Ion:	117	Resp:	247927
Ion Ratio	Lower	Upper	
117	100		
119	95.2	75.6	113.4
201	78.7	65.4	98.0

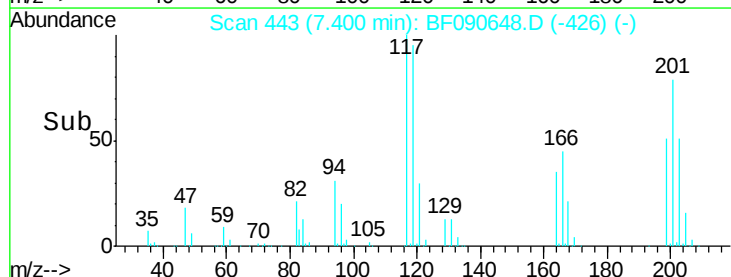
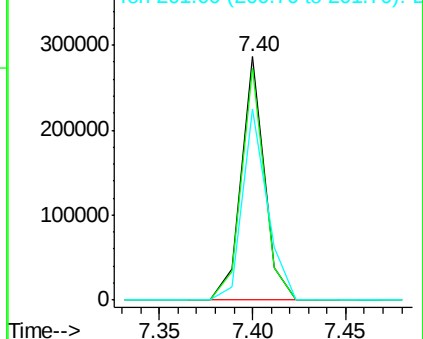


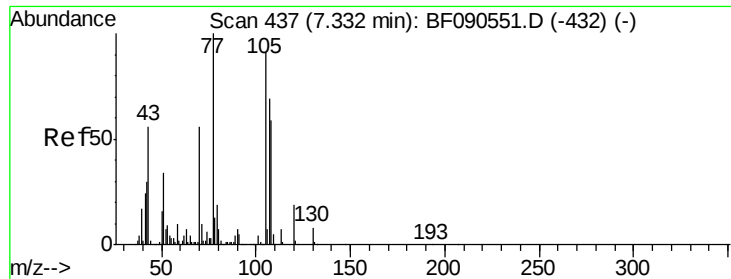
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





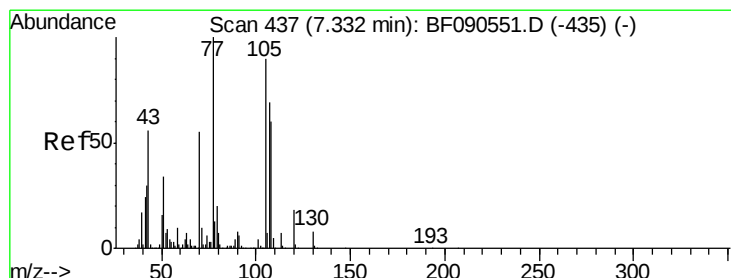
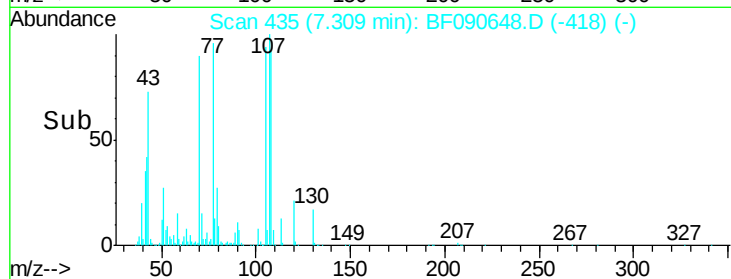
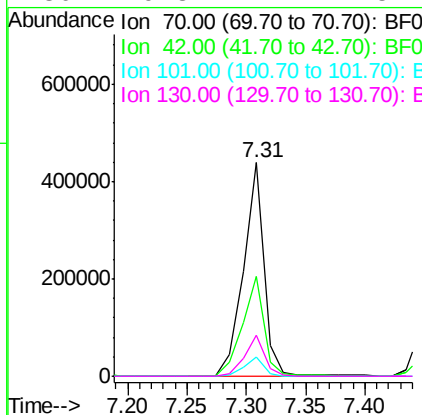
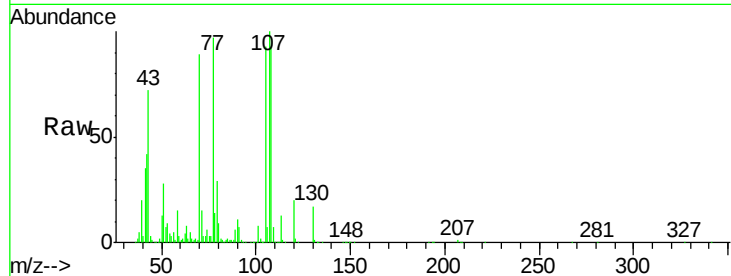
#19
n-Nitroso-di-n-propylamine
Concen: 36.81 ng
RT: 7.31 min Scan# 435
Delta R.T. -0.00 min
Lab File: BF090648.D
Acq: 19 Oct 2016 15:31

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGSMSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	47.0	43.4	65.0
101	8.8	6.4	9.6
130	19.3	12.1	18.1#

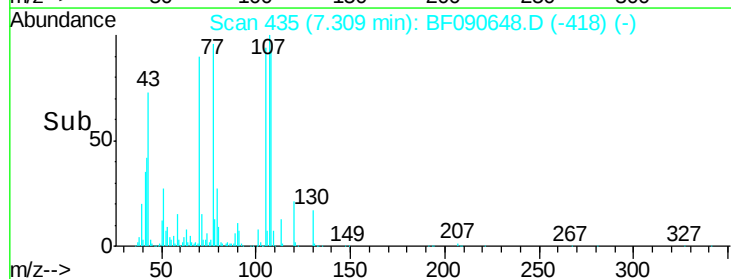
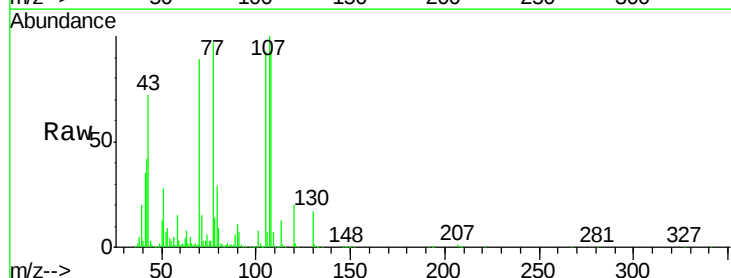
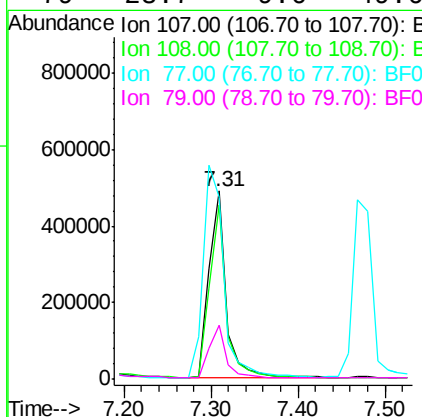
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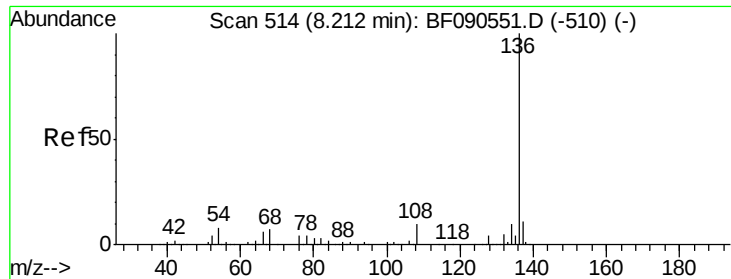
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#20
3+4-Methylphenols
Concen: 38.54 ng
RT: 7.31 min Scan# 435
Delta R.T. -0.00 min
Lab File: BF090648.D
Acq: 19 Oct 2016 15:31

Tgt Ion	Ratio	Lower	Upper
107	100		
108	92.9	67.7	107.7
77	96.7	123.1	163.1#
79	28.7	9.6	49.6





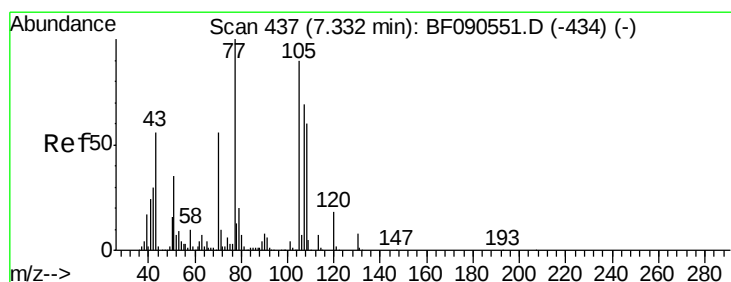
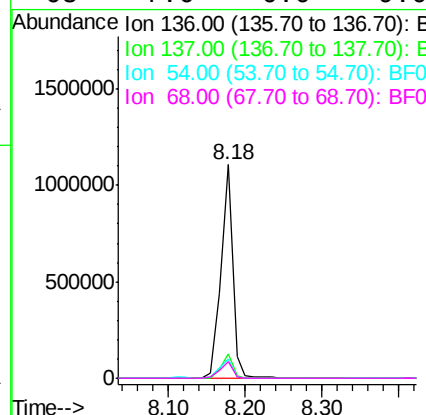
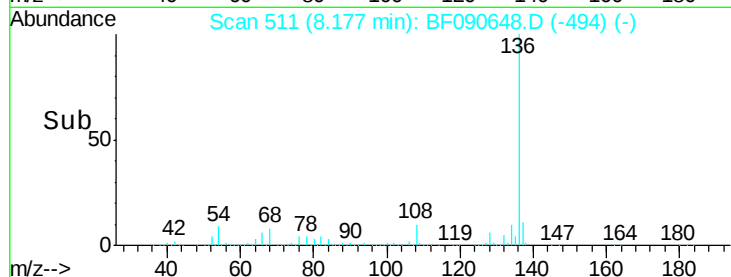
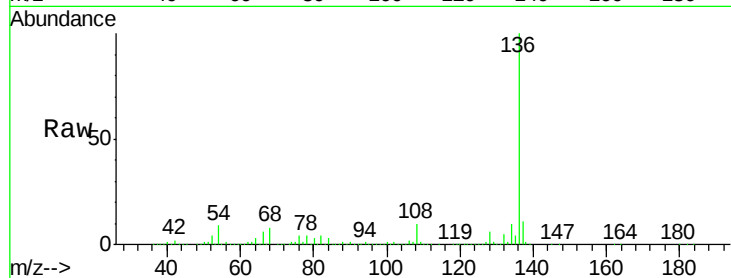
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 511
Delta R.T. -0.00 min
Lab File: BF090648.D
Acq: 19 Oct 2016 15:31

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGSMSD

Tot Ion:	136	Resp:	1188693
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	8.7	6.8	10.2
68	7.6	6.0	9.0

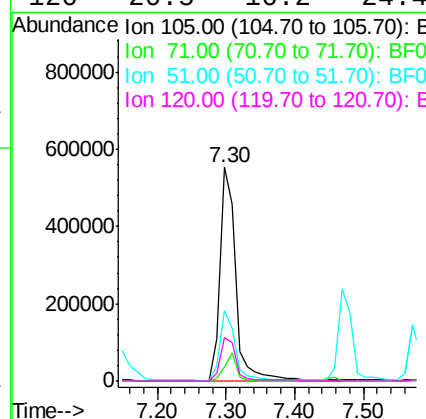
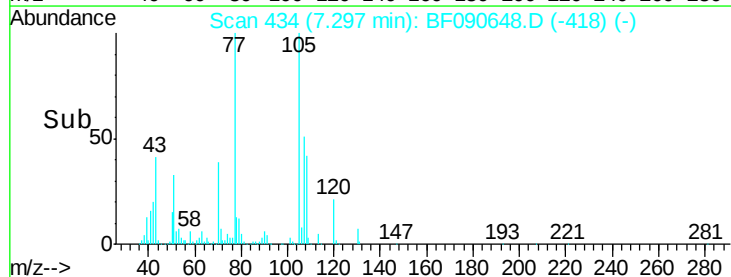
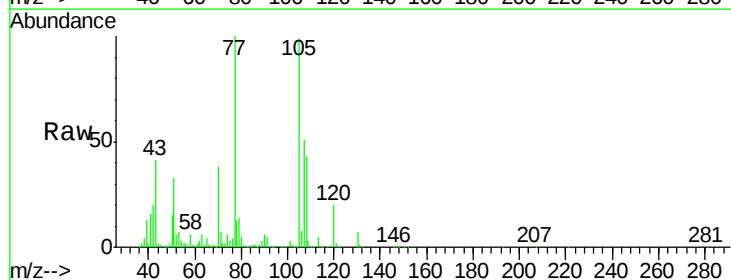
Manual Integrations
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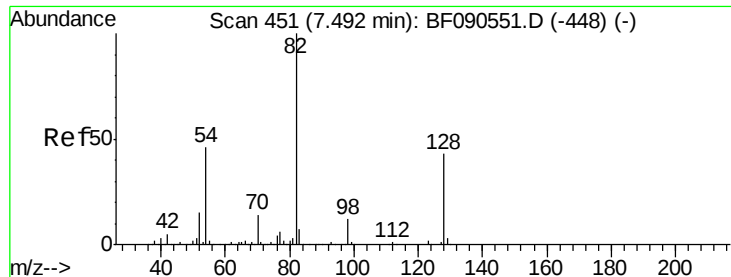
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#22
Acetophenone
Concen: 34.69 ng
RT: 7.30 min Scan# 434
Delta R.T. -0.01 min
Lab File: BF090648.D
Acq: 19 Oct 2016 15:31

Tgt Ion:	105	Resp:	911088
Ion	Ratio	Lower	Upper
105	100		
71	6.8	8.5	12.7#
51	33.1	31.0	46.4
120	20.5	16.2	24.4





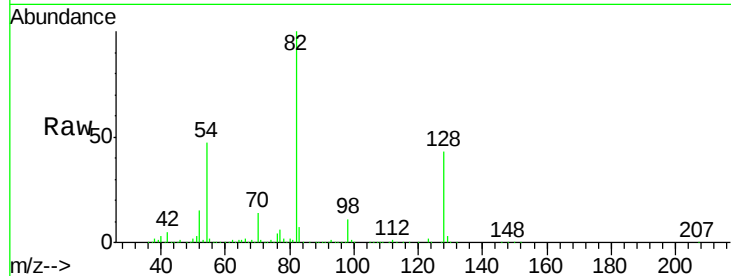
#23
Nitrobenzene-d5
Concen: 66.76 ng
RT: 7.46 min Scan# 448
Delta R.T. -0.00 min
Lab File: BF090648.D
Acq: 19 Oct 2016 15:31

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGSMSD

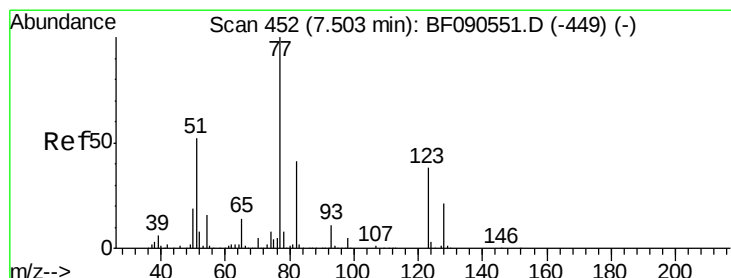
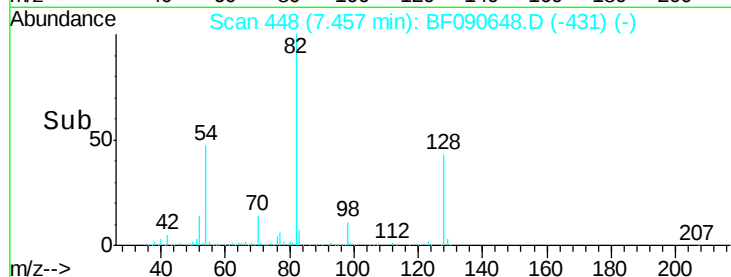
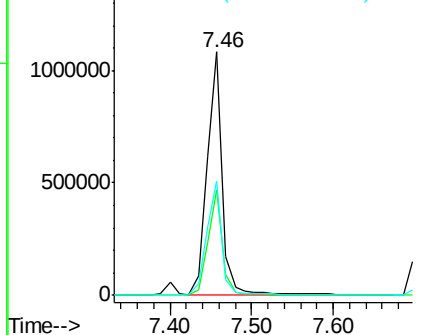
Tot Ion	Ion	Ratio	Lower	Upper
82	100			
128	43.5	34.3	51.5	
54	47.0	37.0	55.6	

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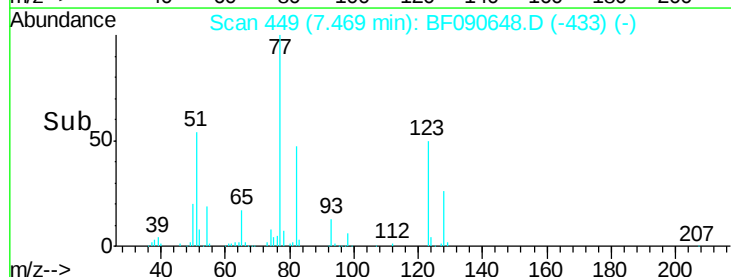
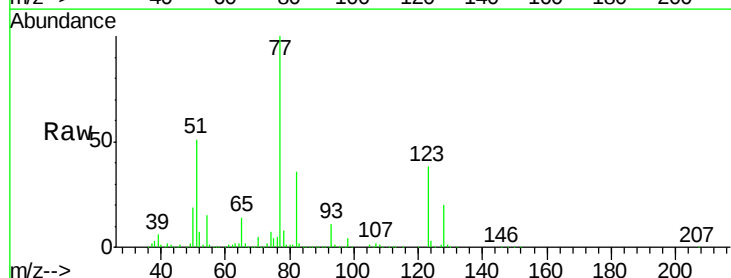
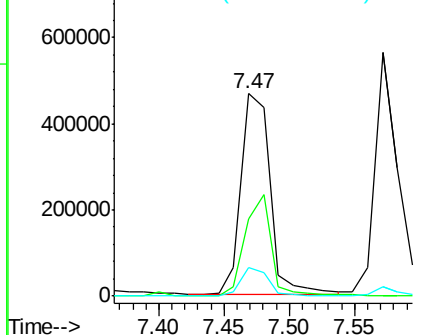
Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

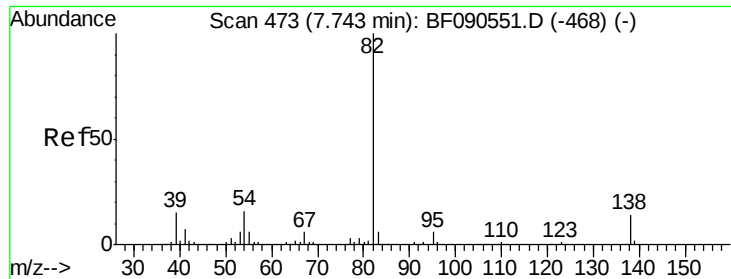


#24
Nitrobenzene
Concen: 32.76 ng
RT: 7.47 min Scan# 449
Delta R.T. -0.01 min
Lab File: BF090648.D
Acq: 19 Oct 2016 15:31

Tgt Ion	Ion	Ratio	Lower	Upper
77	100			
123	38.4	29.8	44.6	
65	14.1	10.9	16.3	

Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 123.00 (122.70 to 123.70): B
Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 38.49 ng

RT: 7.72 min Scan# 471

Delta R.T. -0.00 min

Lab File: BF090648.D

Acq: 19 Oct 2016 15:31

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGSMSD

Tot Ion: 82 Resp: 1498860

Ion Ratio Lower Upper

82 100

95 6.7 5.0 7.6

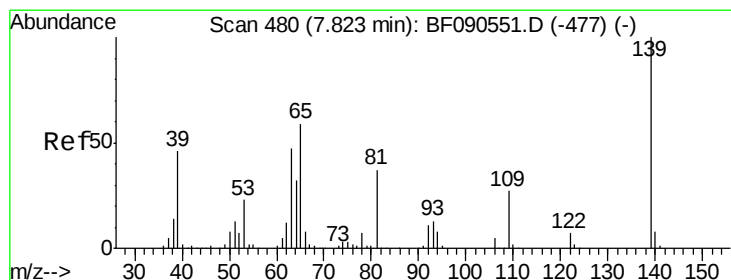
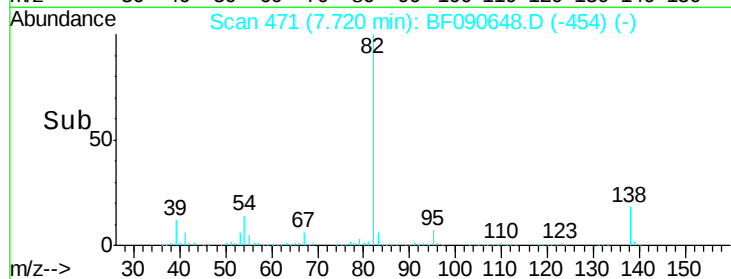
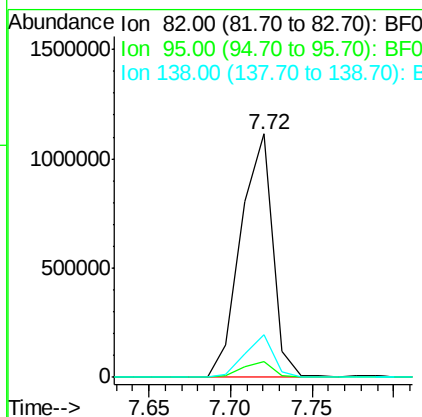
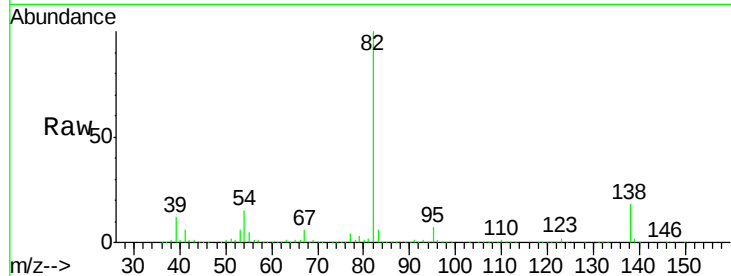
138 17.8 11.5 17.3#

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#26

2-Nitrophenol

Concen: 33.75 ng

RT: 7.79 min Scan# 477

Delta R.T. -0.01 min

Lab File: BF090648.D

Acq: 19 Oct 2016 15:31

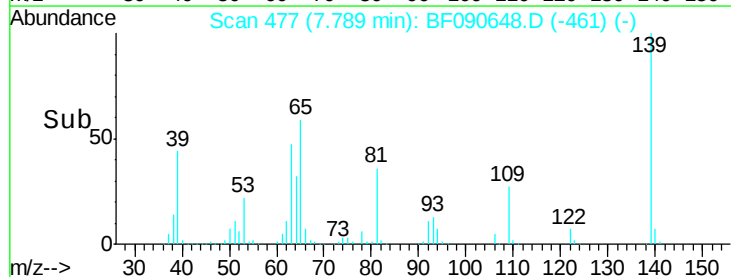
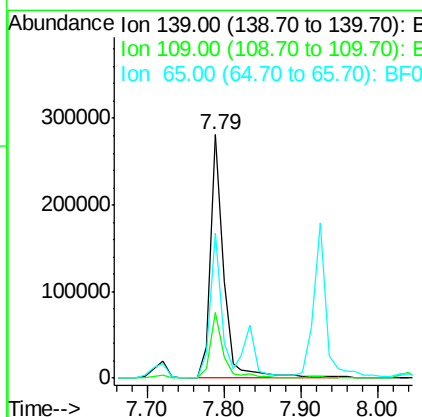
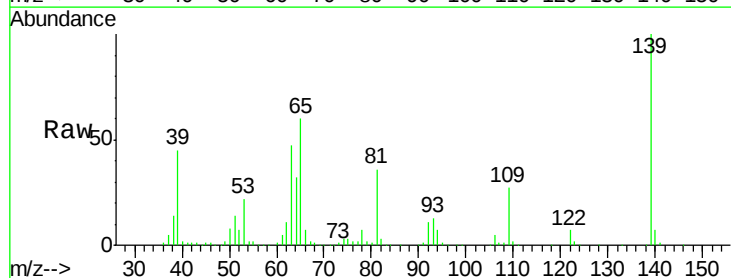
Tgt Ion: 139 Resp: 336259

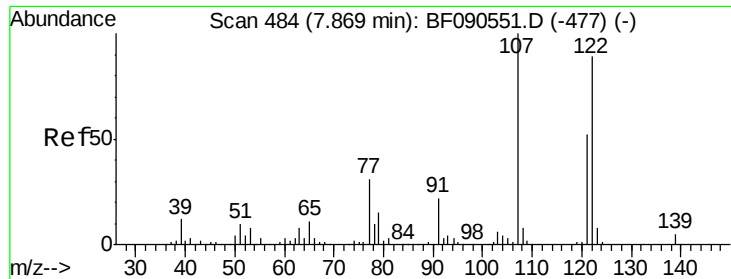
Ion Ratio Lower Upper

139 100

109 26.8 21.8 32.6

65 59.6 47.7 71.5





#27

2,4-Dimethylphenol

Concen: 38.13 ng

RT: 7.83 min Scan# 481

Delta R.T. -0.00 min

Lab File: BF090648.D

Acq: 19 Oct 2016 15:31

Instrument :

BNA_F

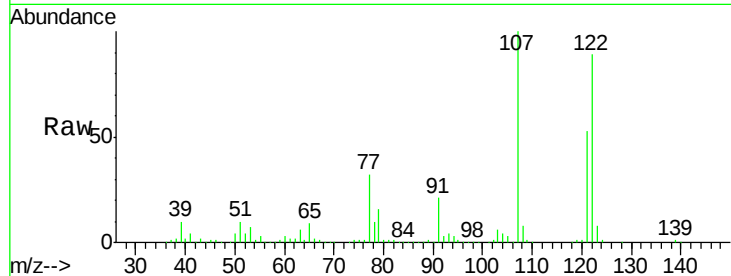
ClientSampleId :

SOIL-CUTTINGSMSD

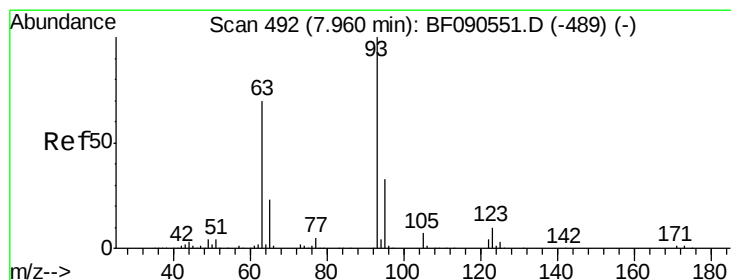
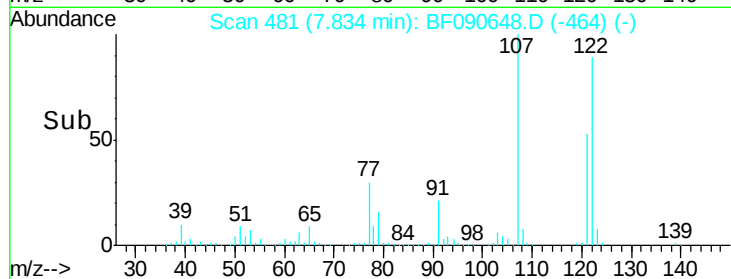
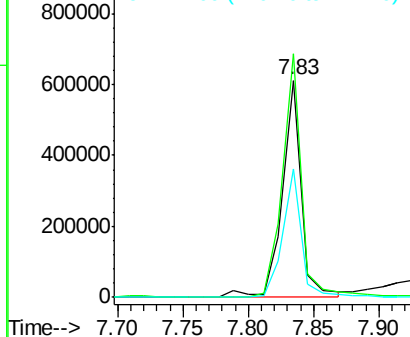
Tot Ion:	122	Resp:	630481
Ion Ratio	Lower	Upper	
122	100		
107	112.2	89.8	134.6
121	59.0	46.1	69.1

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Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 37.44 ng

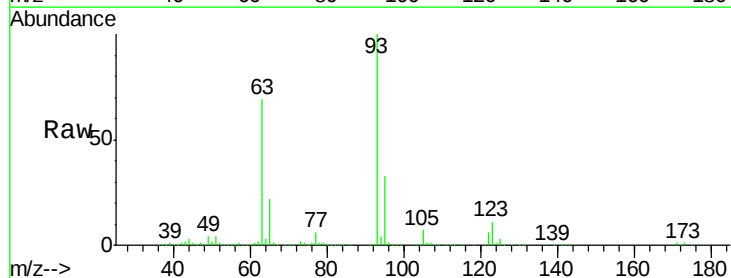
RT: 7.93 min Scan# 489

Delta R.T. -0.00 min

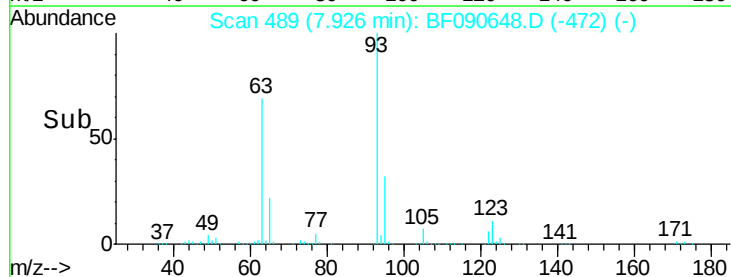
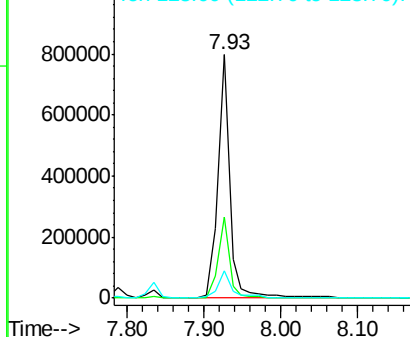
Lab File: BF090648.D

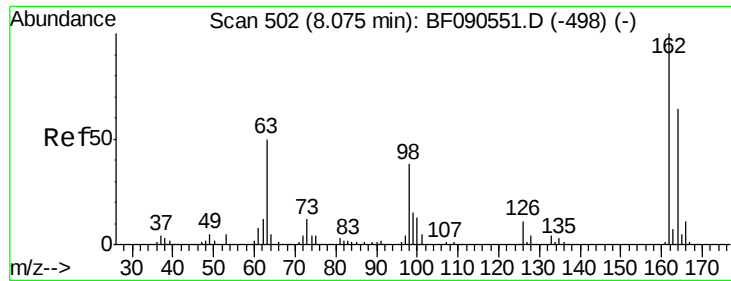
Acq: 19 Oct 2016 15:31

Tgt Ion:	93	Resp:	861054
Ion Ratio	Lower	Upper	
93	100		
95	33.1	26.2	39.2
123	11.0	8.6	13.0



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 123.00 (122.70 to 123.70): E





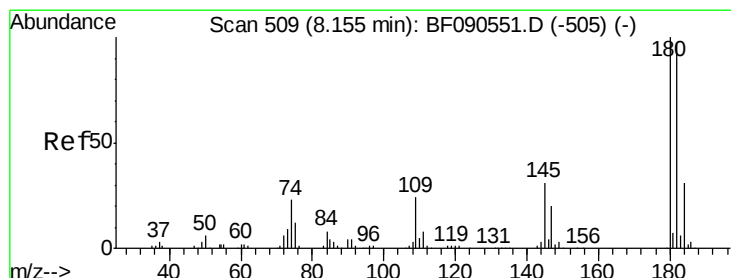
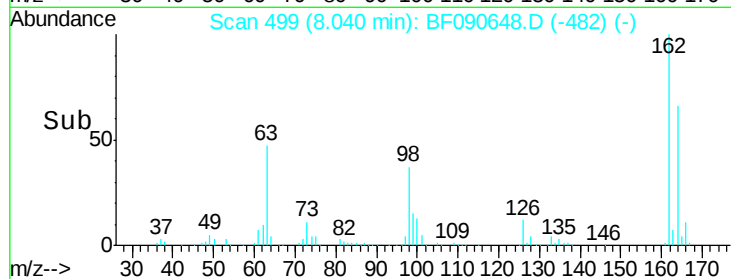
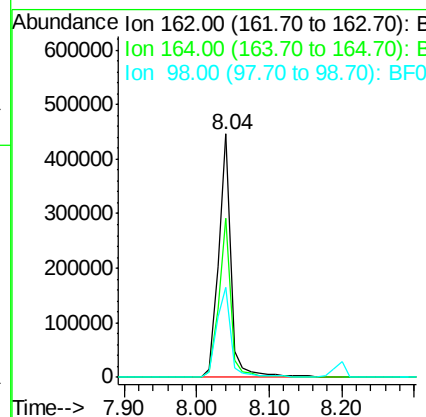
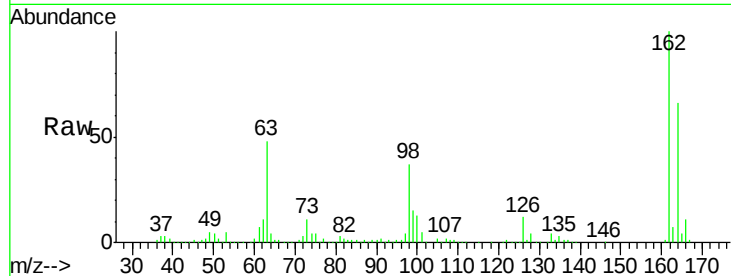
#29
 2,4-Dichlorophenol
 Concen: 36.63 ng
 RT: 8.04 min Scan# 499
 Delta R.T. -0.00 min
 Lab File: BF090648.D
 Acq: 19 Oct 2016 15:31

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGSMSD

Tot Ion	Ratio	Resp Lower	Upper
162	100		
164	65.6	44.0	84.0
98	37.0	18.0	58.0

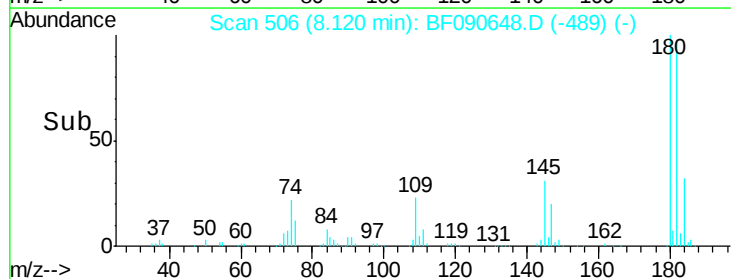
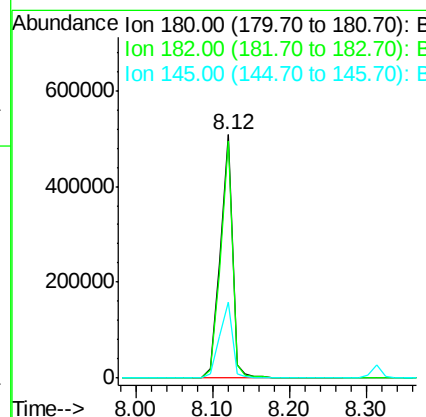
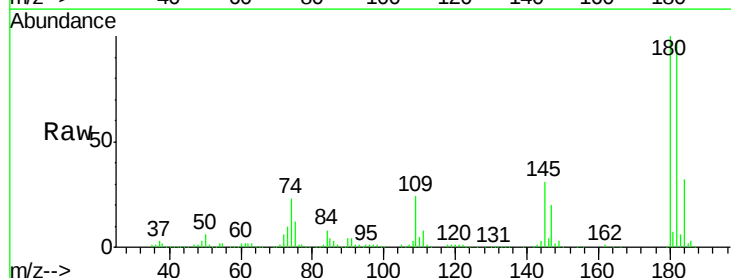
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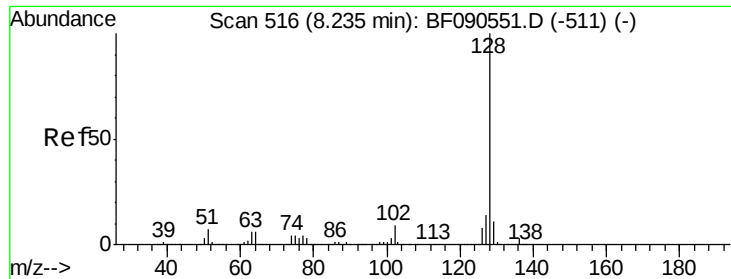
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#30
 1,2,4-Trichlorobenzene
 Concen: 32.85 ng
 RT: 8.12 min Scan# 506
 Delta R.T. -0.00 min
 Lab File: BF090648.D
 Acq: 19 Oct 2016 15:31

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	97.2	77.2	115.8
145	31.1	24.4	36.6





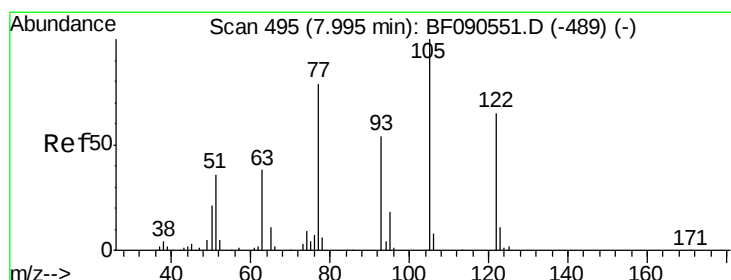
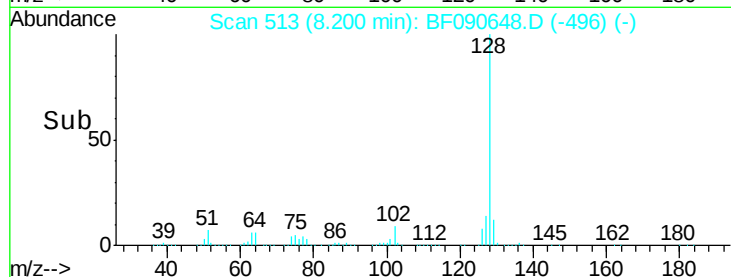
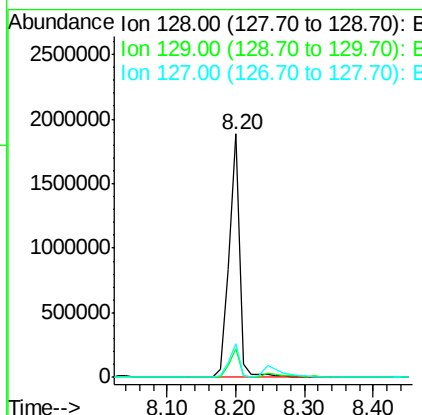
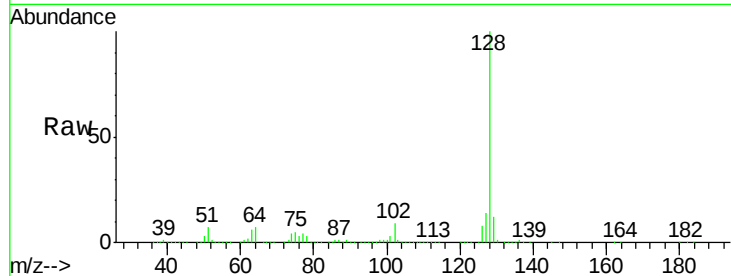
#31
Naphthalene
Concen: 33.92 ng
RT: 8.20 min Scan# 513
Delta R.T. -0.00 min
Lab File: BF090648.D
Acq: 19 Oct 2016 15:31

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGSMSD

Tot Ion:128 Resp: 2054056
Ion Ratio Lower Upper
128 100
129 11.7 9.0 13.6
127 13.8 10.8 16.2

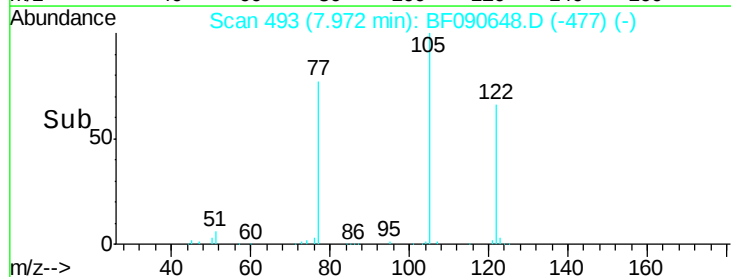
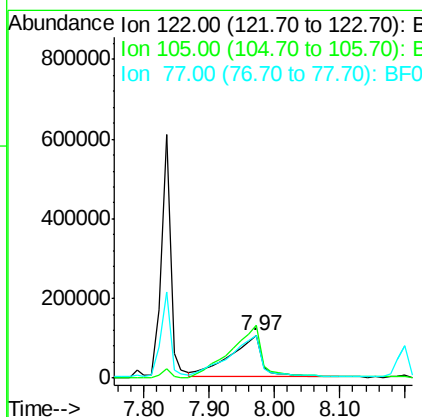
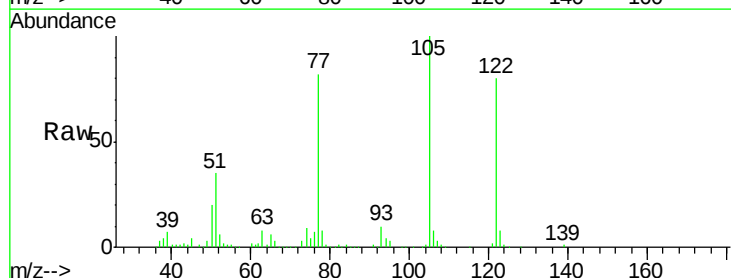
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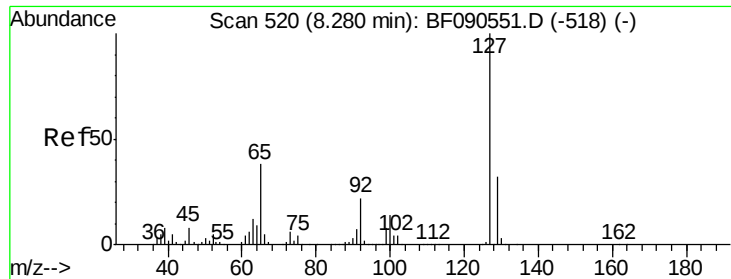
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#32
Benzoic acid
Concen: 34.88 ng
RT: 7.97 min Scan# 493
Delta R.T. -0.01 min
Lab File: BF090648.D
Acq: 19 Oct 2016 15:31

Tgt Ion:122 Resp: 354168
Ion Ratio Lower Upper
122 100
105 124.3 101.1 141.1
77 101.6 84.7 124.7





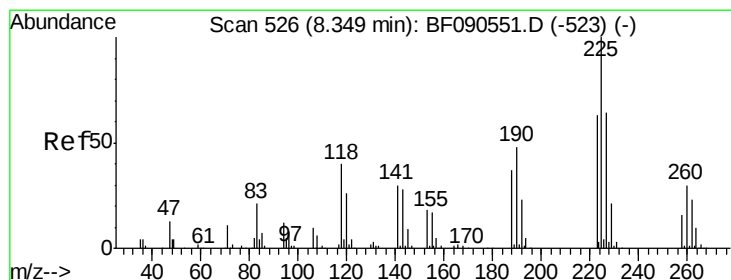
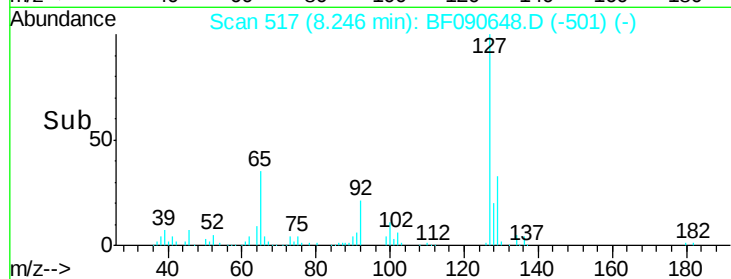
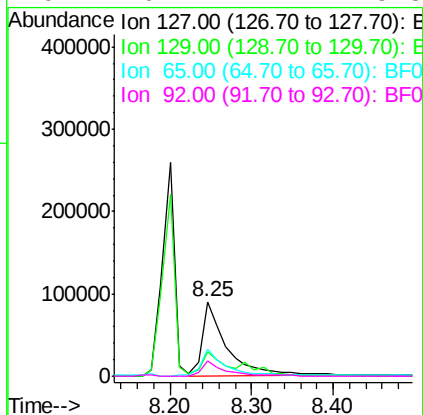
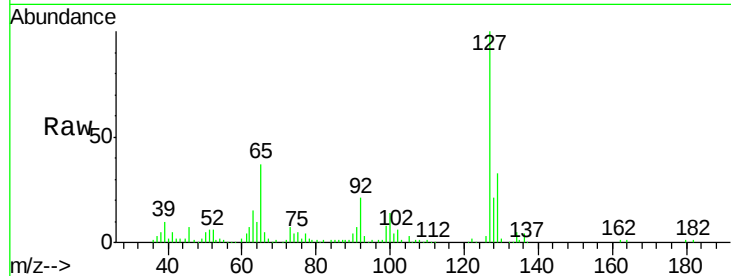
#33
4-Chloroaniline
Concen: 8.00 ng
RT: 8.25 min Scan# 517
Delta R.T. -0.01 min
Lab File: BF090648.D
Acq: 19 Oct 2016 15:31

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGSMSD

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	33.3	26.2	39.2	
65	37.0	30.1	45.1	
92	20.7	17.2	25.8	

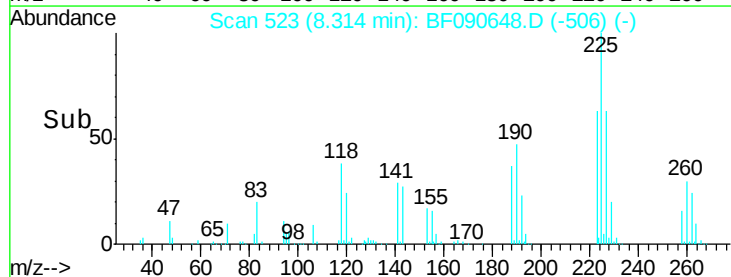
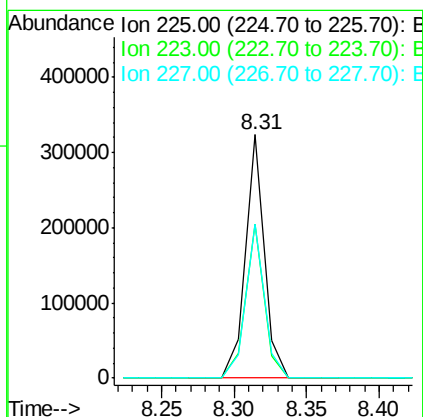
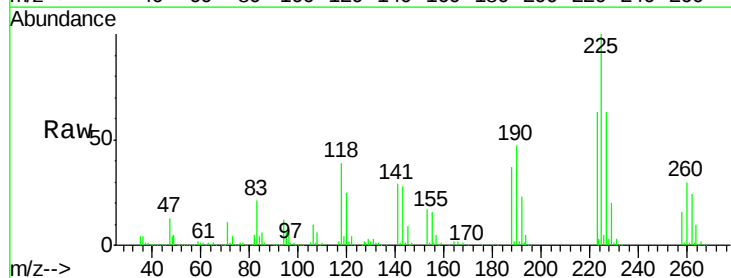
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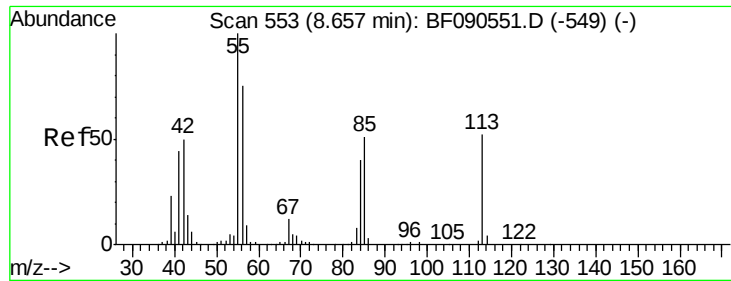
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#34
Hexachlorobutadiene
Concen: 30.89 ng
RT: 8.31 min Scan# 523
Delta R.T. -0.00 min
Lab File: BF090648.D
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Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.2	50.6	76.0	
227	63.5	51.4	77.2	





#35

Caprolactam

Concen: 42.61 ng/mL

RT: 8.62 min Scan# 550

Delta R.T. -0.01 min

Lab File: BF090648.D

Acq: 19 Oct 2016 15:31

Instrument :

BNA_F

ClientSampleID :

SOIL-CUTTINGSMSD

Tot Ion:113 Resp: 172218

Ion Ratio Lower Upper

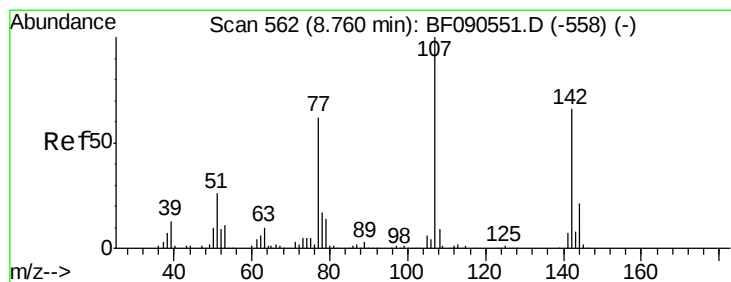
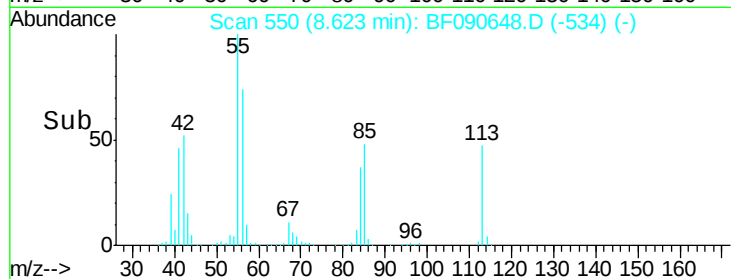
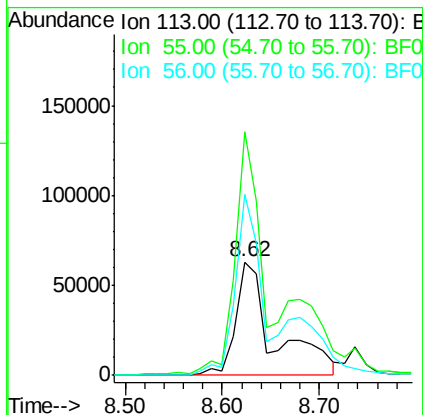
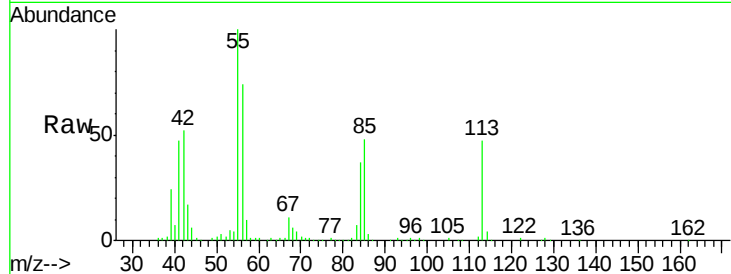
113 100

55 214.6 170.8 210.8#

56 158.9 122.4 162.4

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#36

4-Chloro-3-methylphenol

Concen: 36.74 ng/mL

RT: 8.74 min Scan# 560

Delta R.T. -0.00 min

Lab File: BF090648.D

Acq: 19 Oct 2016 15:31

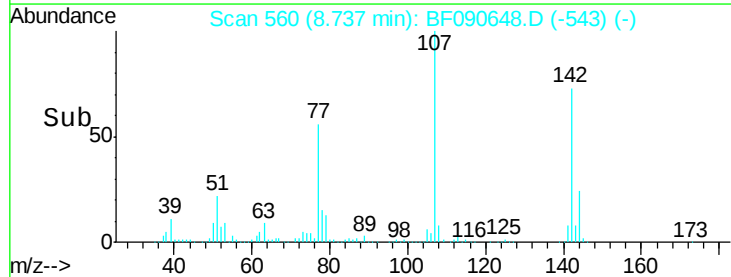
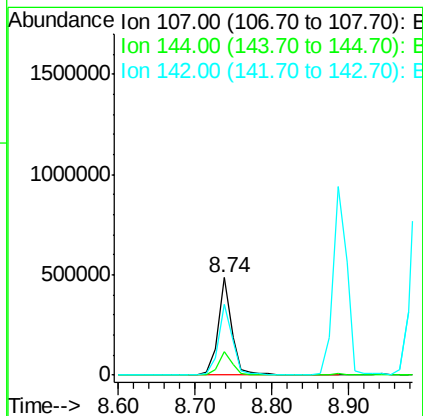
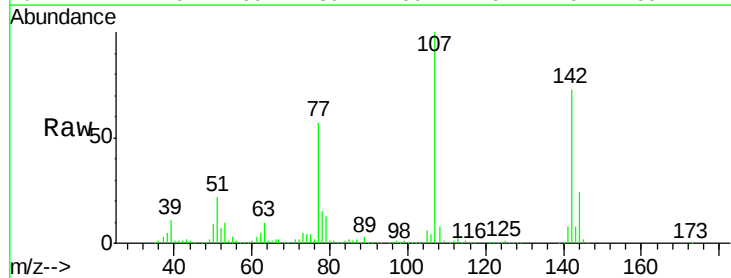
Tgt Ion:107 Resp: 613851

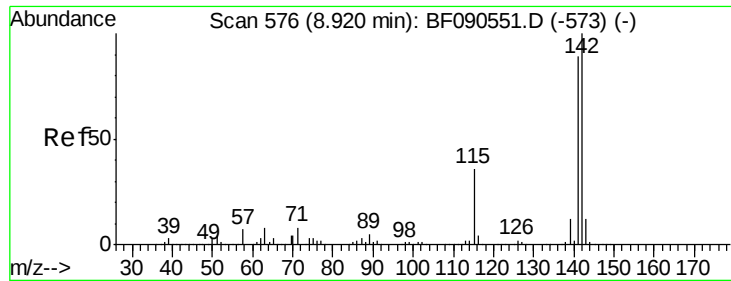
Ion Ratio Lower Upper

107 100

144 23.5 16.9 25.3

142 72.9 52.5 78.7





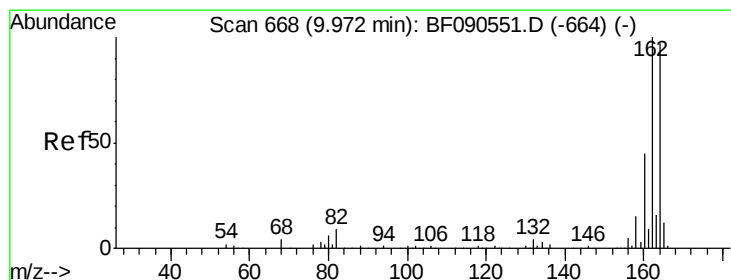
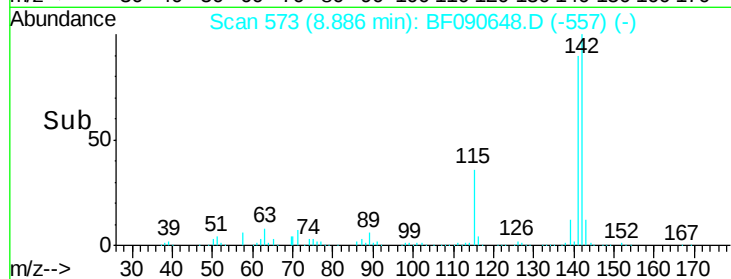
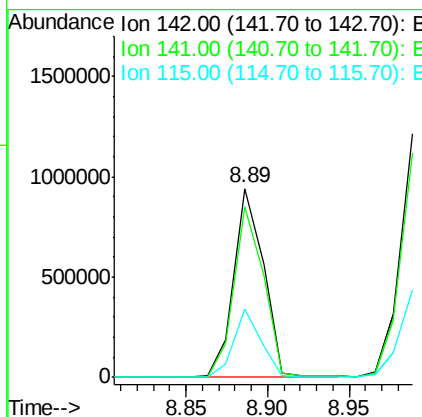
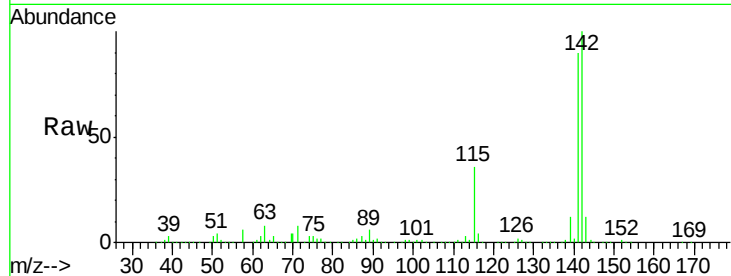
#37
2-Methylnaphthalene
Concen: 33.43 ng
RT: 8.89 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF090648.D
Acq: 19 Oct 2016 15:31

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGSMSD

Tot Ion:142 Resp: 1188805
Ion Ratio Lower Upper
142 100
141 90.0 71.3 106.9
115 36.3 28.8 43.2

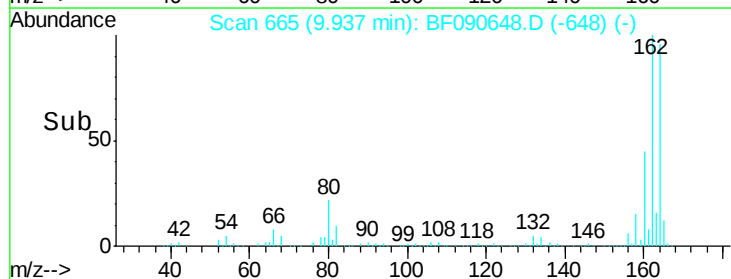
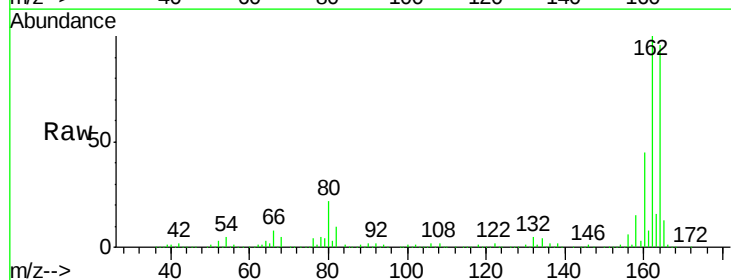
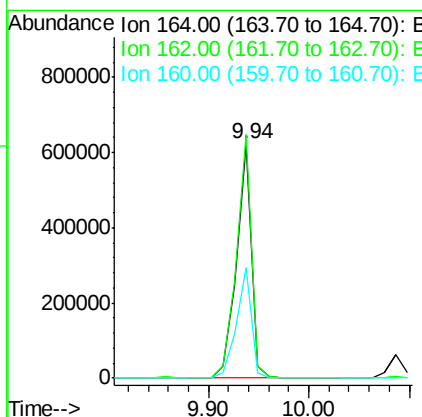
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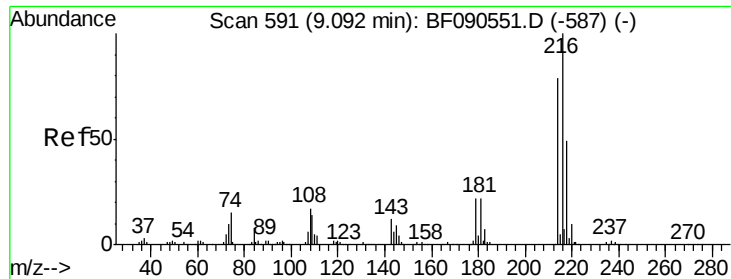
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.94 min Scan# 665
Delta R.T. -0.00 min
Lab File: BF090648.D
Acq: 19 Oct 2016 15:31

Tgt Ion:164 Resp: 647148
Ion Ratio Lower Upper
164 100
162 104.3 82.2 123.4
160 47.3 36.6 55.0





#39

1,2,4,5-Tetrachlorobenzene

Concen: 32.44 ng

RT: 9.06 min Scan# 588

Delta R.T. -0.00 min

Lab File: BF090648.D

Acq: 19 Oct 2016 15:31

Instrument :

BNA_F

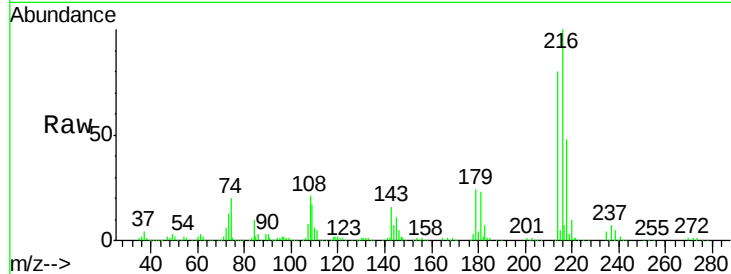
ClientSampleId :

SOIL-CUTTINGSMSD

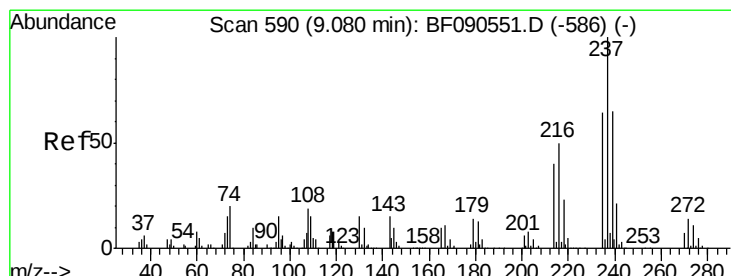
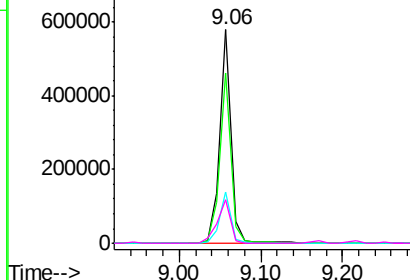
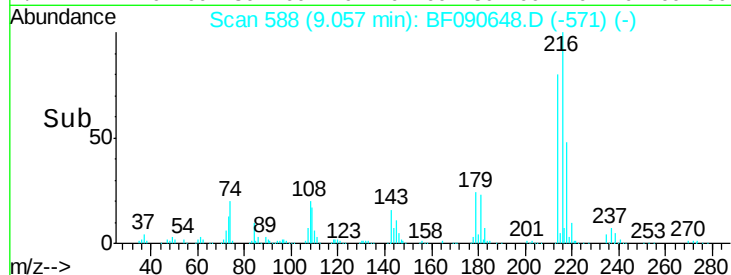
Tot Ion:	216	Resp:	556699
Ion Ratio		Lower	Upper
216	100		
214	79.6	63.5	95.3
179	23.6	18.9	28.3
108	24.1	17.8	26.6

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Abundance Ion 216.00 (215.70 to 216.70): E
Ion 214.00 (213.70 to 214.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 72.32 ng

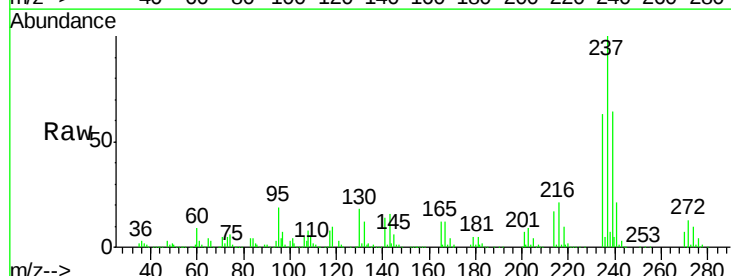
RT: 9.05 min Scan# 587

Delta R.T. -0.00 min

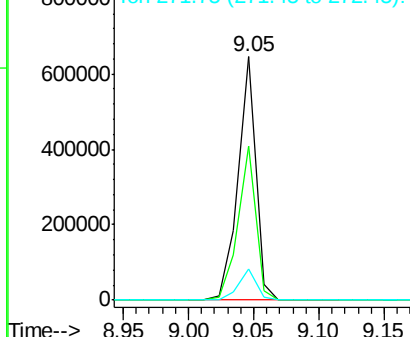
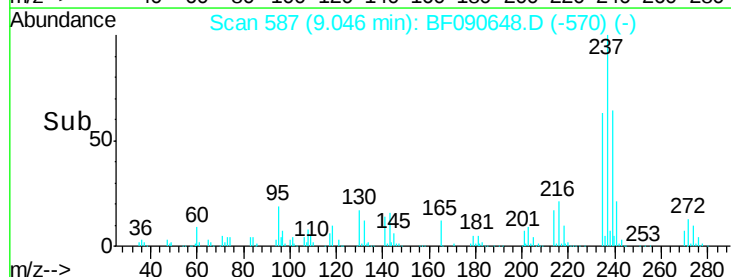
Lab File: BF090648.D

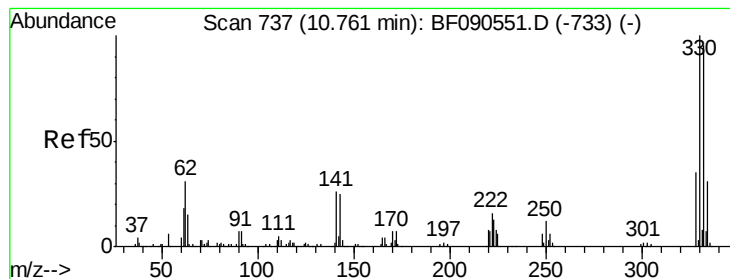
Acq: 19 Oct 2016 15:31

Tgt Ion:	237	Resp:	606168
Ion Ratio		Lower	Upper
237	100		
235	63.0	43.8	83.8
272	12.9	0.0	33.7



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E





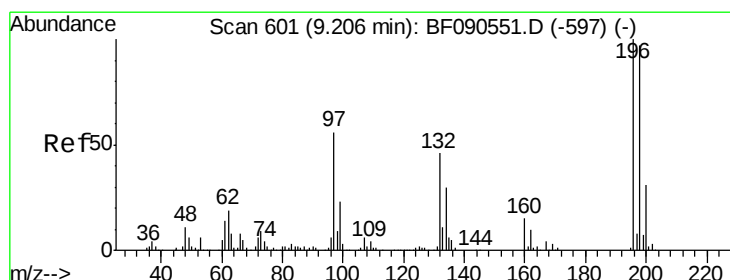
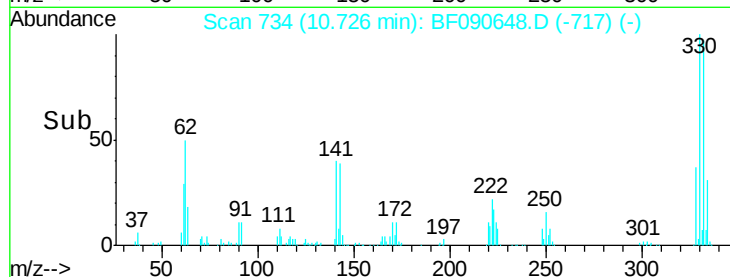
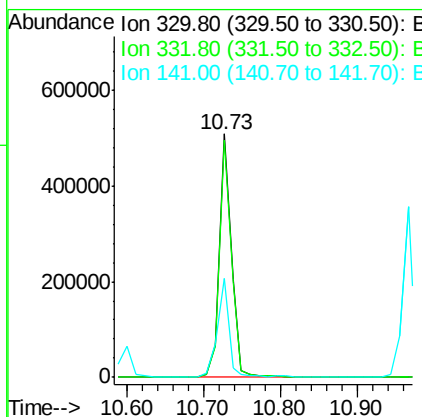
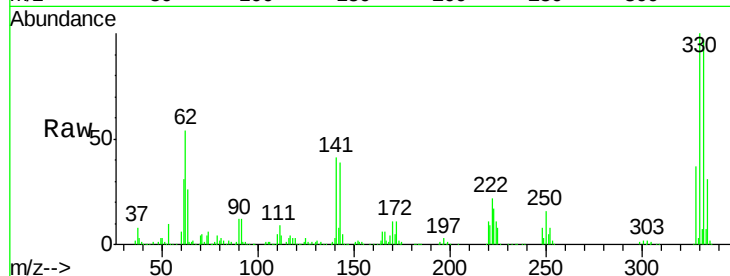
#41
 2,4,6-Tribromophenol
 Concen: 98.76 ng
 RT: 10.73 min Scan# 734
 Delta R.T. -0.00 min
 Lab File: BF090648.D
 Acq: 19 Oct 2016 15:31

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGSMSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100	569830		
332	97.3		76.2	114.2
141	37.7		31.4	47.2

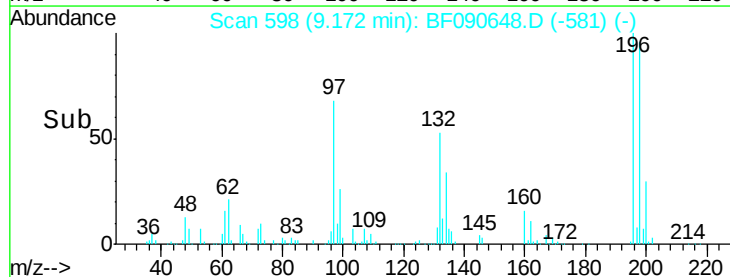
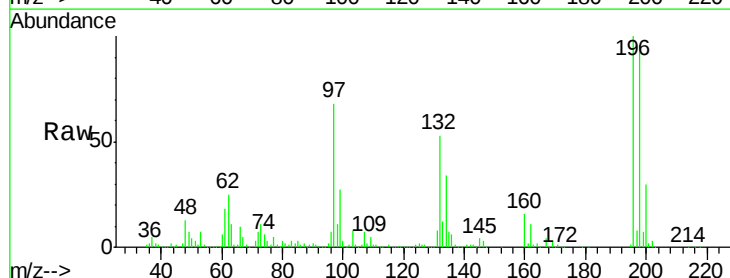
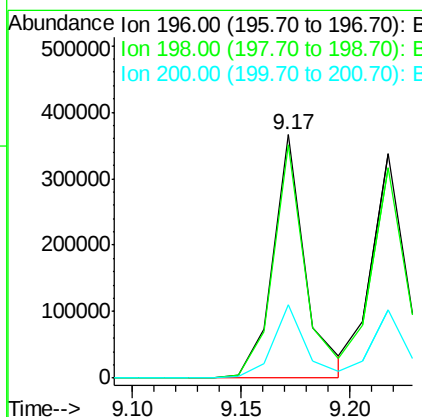
Manual Integrations
 APPROVED

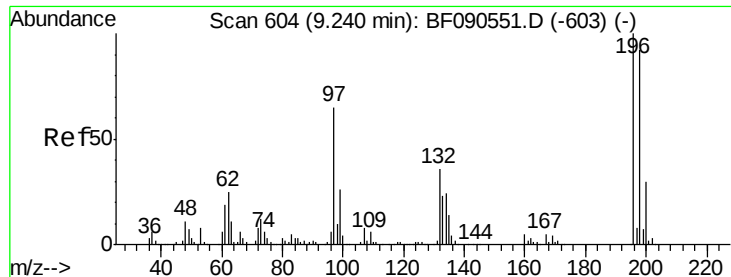
Sohil
 10/20/2016 10:36:49 AM



#42
 2,4,6-Trichlorophenol
 Concen: 39.35 ng
 RT: 9.17 min Scan# 598
 Delta R.T. -0.00 min
 Lab File: BF090648.D
 Acq: 19 Oct 2016 15:31

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	380829		
198	96.1		77.9	116.9
200	30.2		25.1	37.7





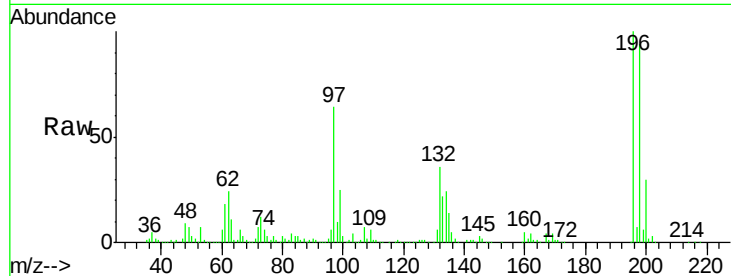
#43
2,4,5-Trichlorophenol
Concen: 33.04 ng
RT: 9.22 min Scan# 602
Delta R.T. -0.00 min
Lab File: BF090648.D
Acq: 19 Oct 2016 15:31

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGSMSD

Tot Ion:	196	Resp:	381519
Ion Ratio	Lower	Upper	
196	100		
198	93.8	74.0	111.0
97	63.5	54.7	82.1
132	35.6	30.5	45.7

Manual Integrations
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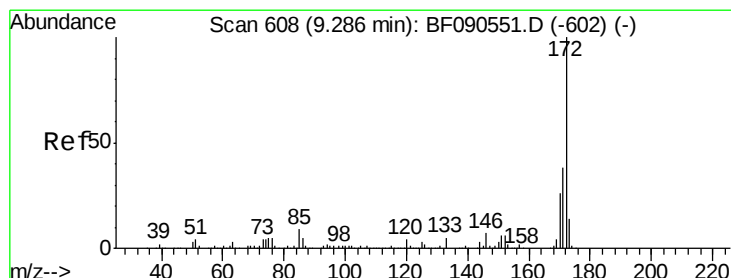
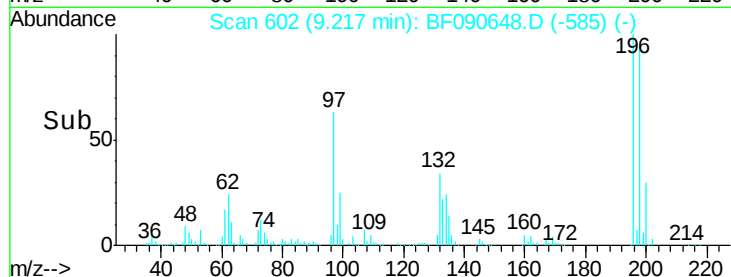
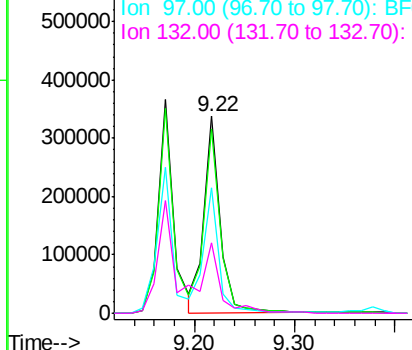
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
2-Fluorobiphenyl
Concen: 62.36 ng
RT: 9.25 min Scan# 605
Delta R.T. -0.01 min
Lab File: BF090648.D
Acq: 19 Oct 2016 15:31

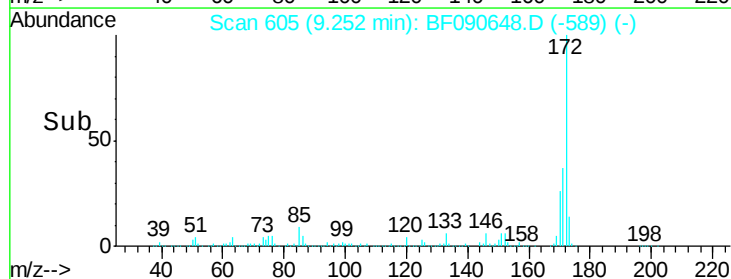
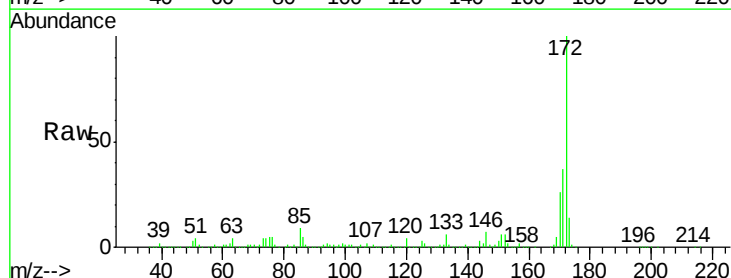
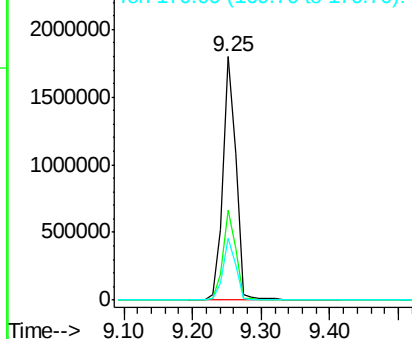
Tgt Ion:	172	Resp:	2449378
Ion Ratio	Lower	Upper	
172	100		
171	37.2	30.1	45.1
170	25.5	20.6	30.8

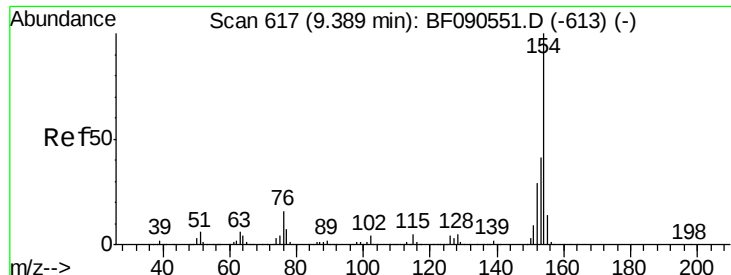
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 30.79 ng

RT: 9.35 min Scan# 614

Delta R.T. -0.00 min

Lab File: BF090648.D

Acq: 19 Oct 2016 15:31

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGSMSD

Tot Ion:154 Resp: 1516178

Ion Ratio Lower Upper

154 100

153 41.6 21.5 61.5

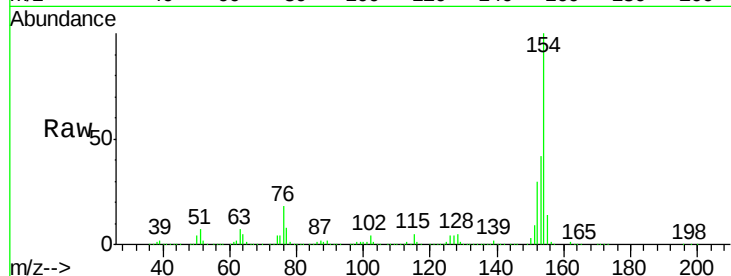
76 17.9 0.0 36.0

Manual Integrations

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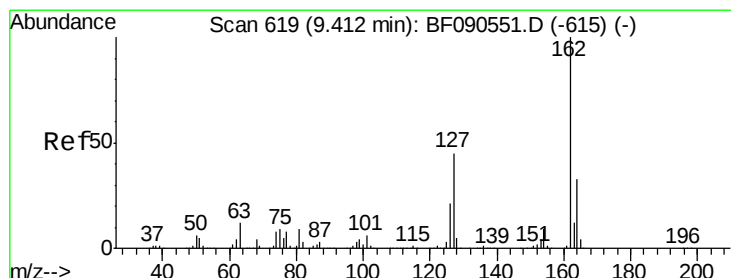
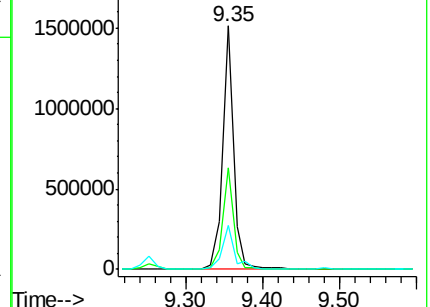
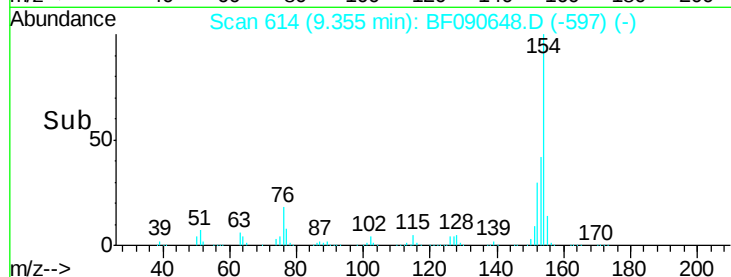
10/20/2016 10:36:49 AM



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 32.08 ng

RT: 9.38 min Scan# 616

Delta R.T. -0.01 min

Lab File: BF090648.D

Acq: 19 Oct 2016 15:31

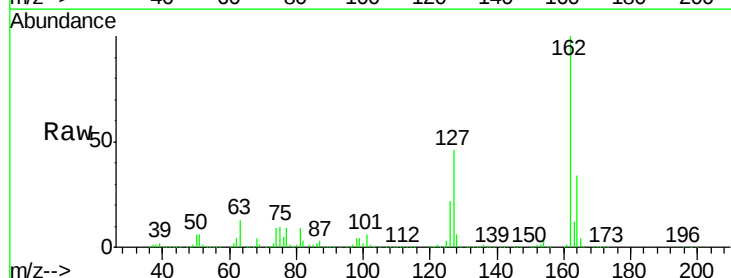
Tgt Ion:162 Resp: 1178026

Ion Ratio Lower Upper

162 100

127 46.5 35.9 53.9

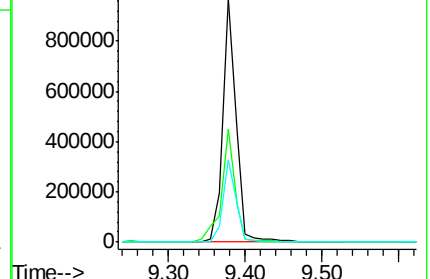
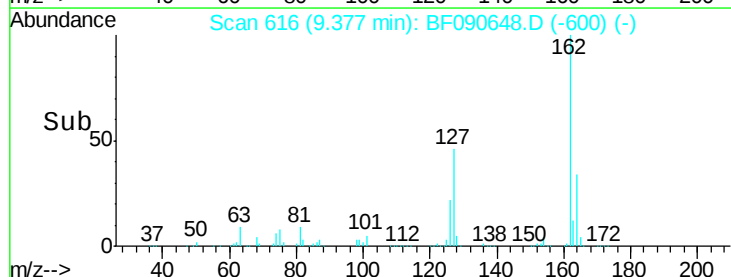
164 33.8 26.7 40.1

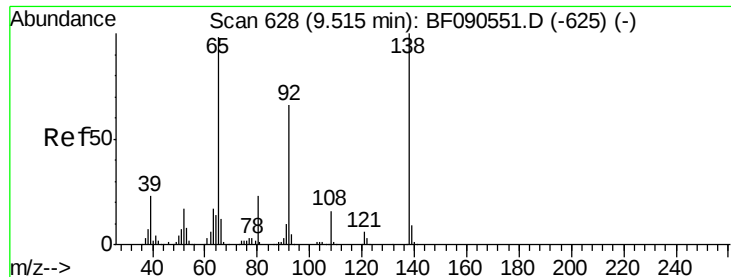


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





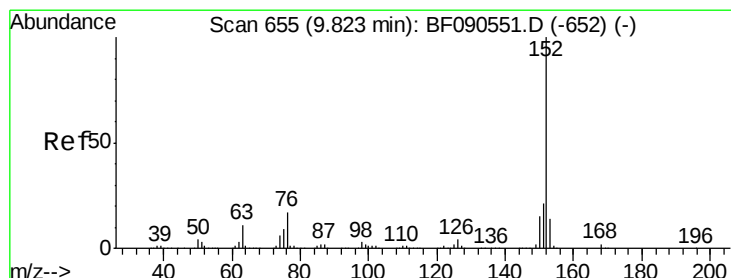
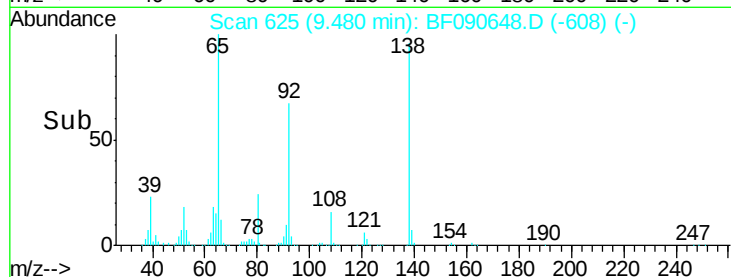
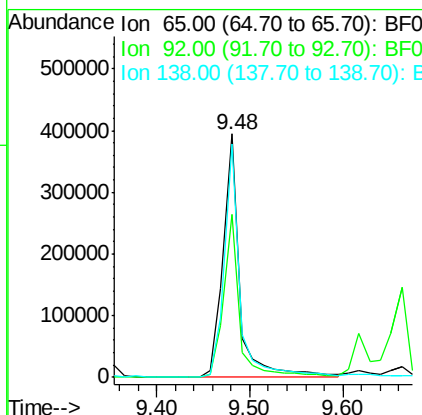
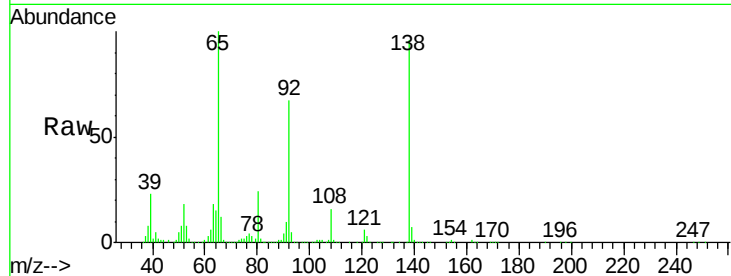
#47
2-Nitroaniline
Concen: 36.89 ng
RT: 9.48 min Scan# 625
Delta R.T. -0.00 min
Lab File: BF090648.D
Acq: 19 Oct 2016 15:31

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGSMSD

Tot Ion	Ratio	Lower	Upper
65	100		
92	66.9	54.3	81.5
138	96.1	81.7	122.5

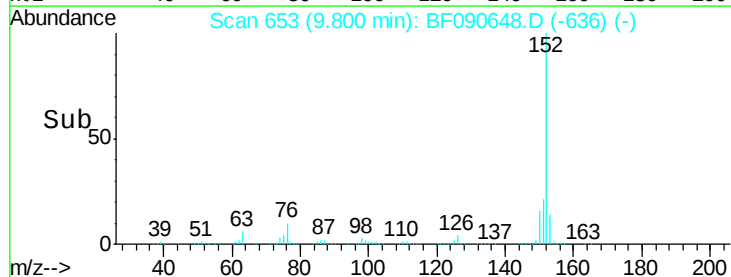
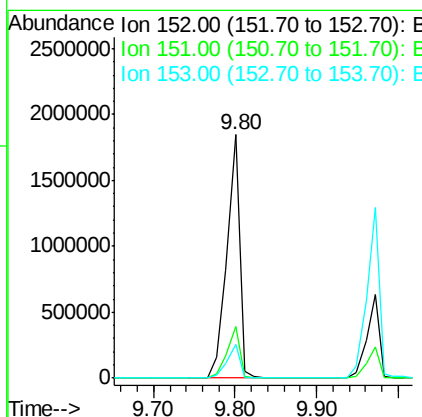
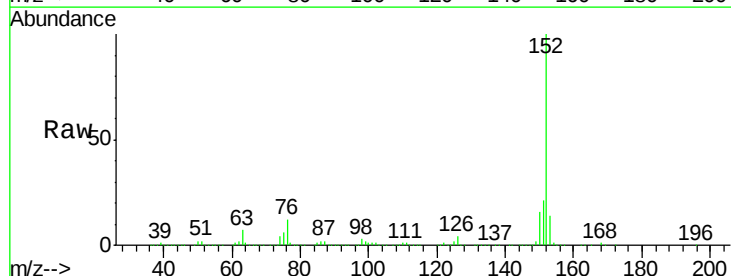
Manual Integrations
APPROVED

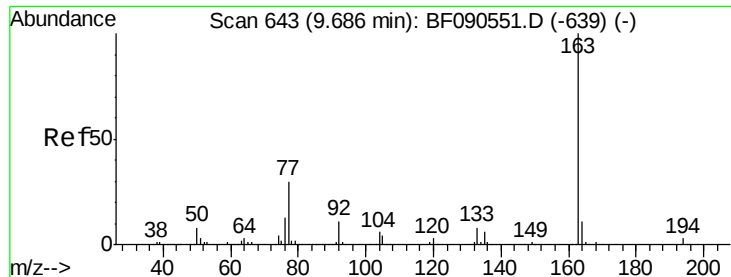
Sohil
10/20/2016 10:36:49 AM



#48
Acenaphthylene
Concen: 34.26 ng
RT: 9.80 min Scan# 653
Delta R.T. -0.00 min
Lab File: BF090648.D
Acq: 19 Oct 2016 15:31

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.4	16.6	25.0
153	14.0	11.3	16.9





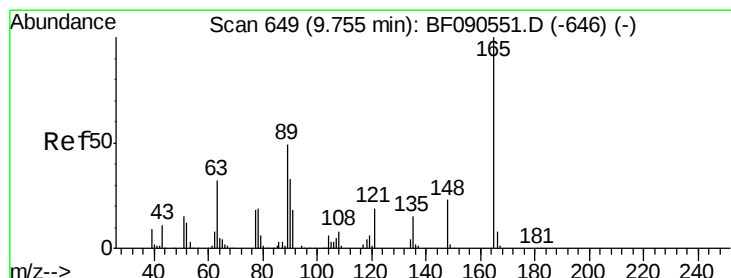
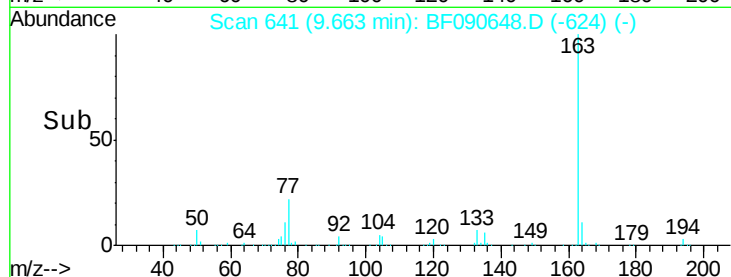
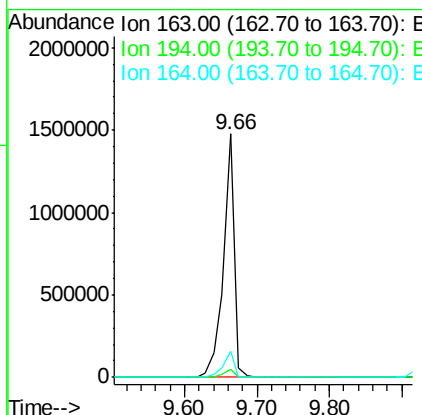
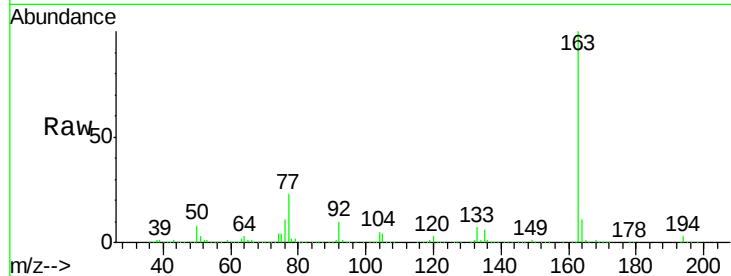
#49
Dimethylphthalate
Concen: 36.59 ng
RT: 9.66 min Scan# 641
Delta R.T. -0.00 min
Lab File: BF090648.D
Acq: 19 Oct 2016 15:31

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGSMSD

Tot Ion:163 Resp: 1536124
Ion Ratio Lower Upper
163 100
194 3.5 2.3 3.5#
164 10.8 8.6 13.0

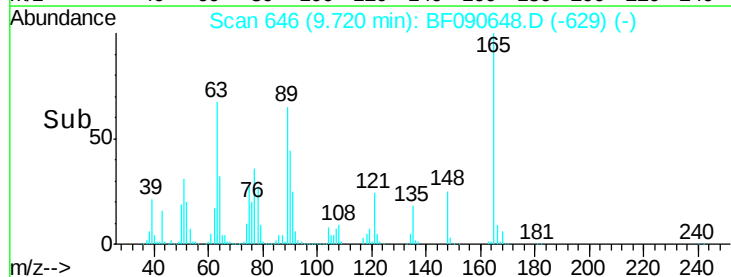
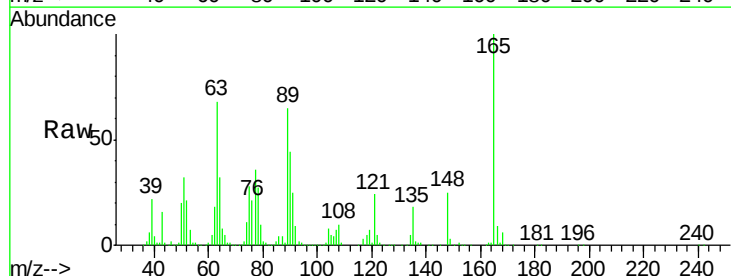
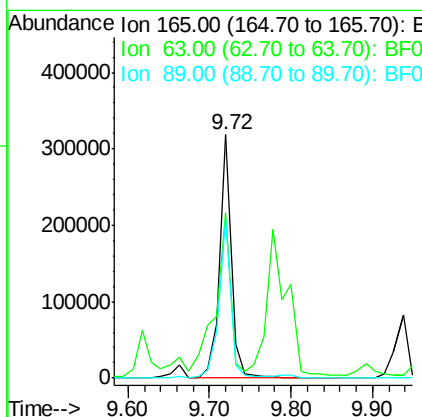
Manual Integrations
APPROVED

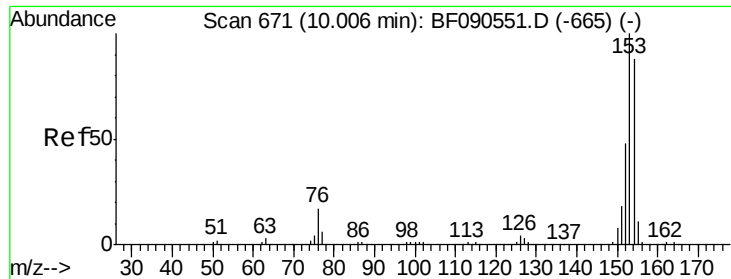
Sohil
10/20/2016 10:36:49 AM



#50
2,6-Dinitrotoluene
Concen: 34.43 ng
RT: 9.72 min Scan# 646
Delta R.T. -0.00 min
Lab File: BF090648.D
Acq: 19 Oct 2016 15:31

Tgt Ion:165 Resp: 316288
Ion Ratio Lower Upper
165 100
63 67.8 40.1 60.1#
89 65.5 39.5 59.3#





#51

Acenaphthene

Concen: 36.57 ng

RT: 9.97 min Scan# 668

Delta R.T. -0.00 min

Lab File: BF090648.D

Acq: 19 Oct 2016 15:31

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGSMSD

Tot Ion:154 Resp: 1421366

Ion Ratio Lower Upper

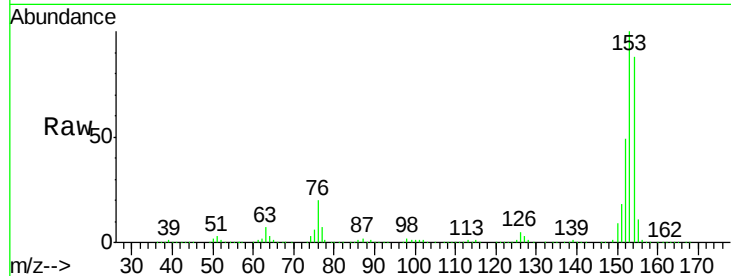
154 100

153 113.6 91.2 136.8

152 56.0 44.0 66.0

Manual Integrations
APPROVED

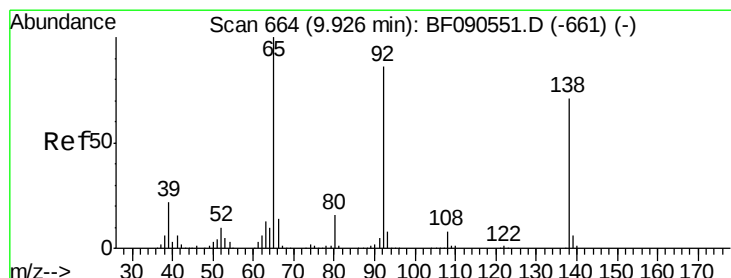
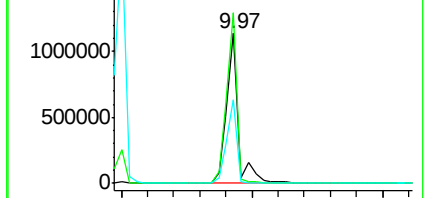
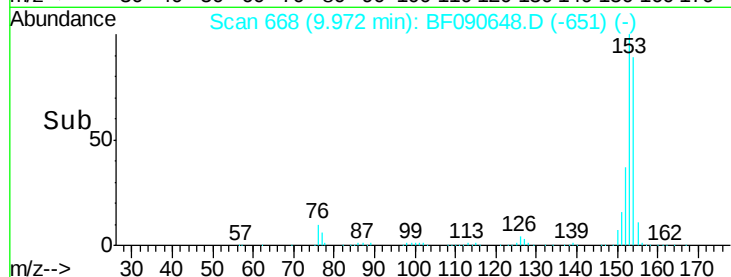
Sohil
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 11.79 ng

RT: 9.89 min Scan# 661

Delta R.T. -0.00 min

Lab File: BF090648.D

Acq: 19 Oct 2016 15:31

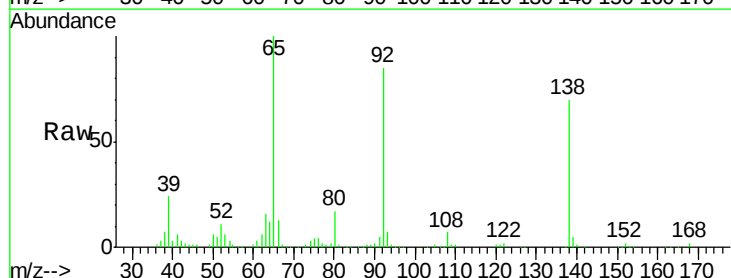
Tgt Ion:138 Resp: 135949

Ion Ratio Lower Upper

138 100

108 10.7 8.6 12.8

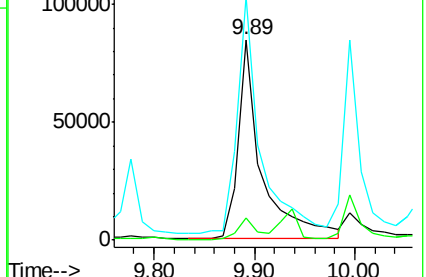
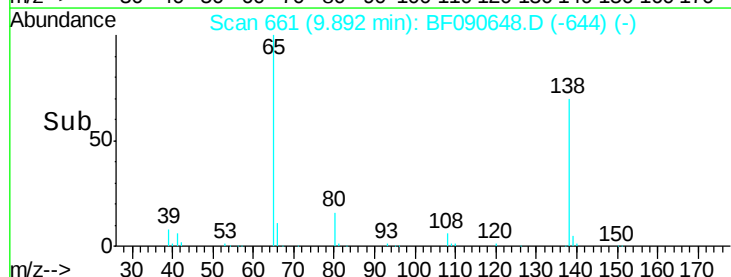
92 121.4 97.8 146.8

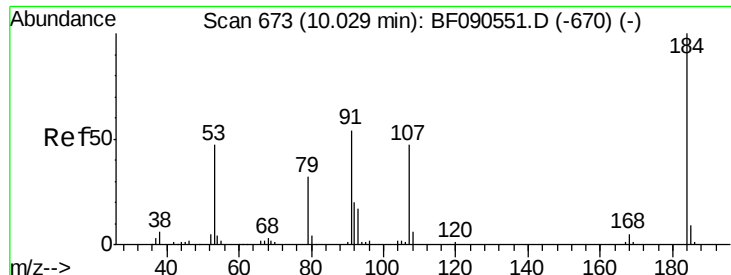


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





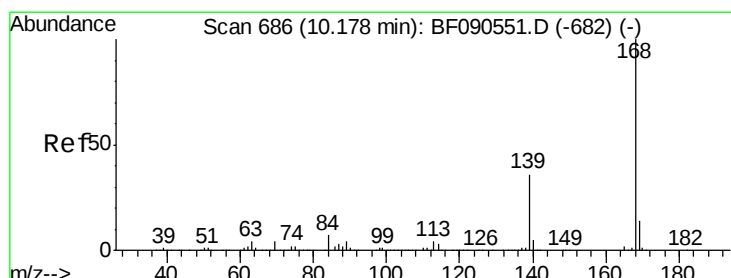
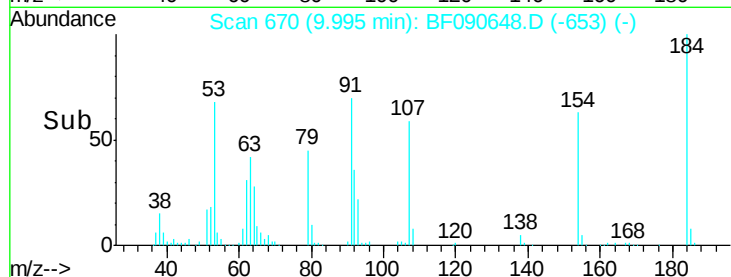
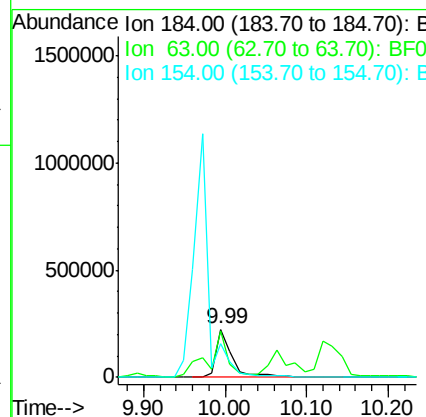
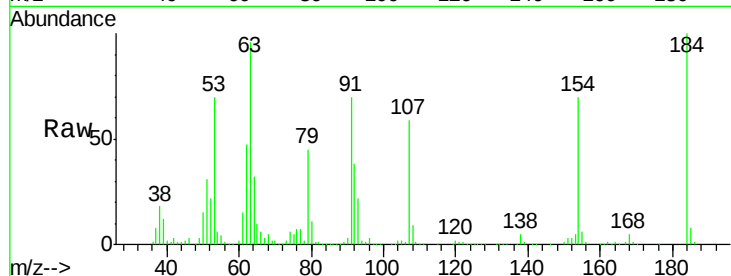
#53
2,4-Dinitrophenol
Concen: 64.65 ng
RT: 9.99 min Scan# 670
Delta R.T. -0.00 min
Lab File: BF090648.D
Acq: 19 Oct 2016 15:31

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGSMSD

Tot Ion	Ratio	Resp	Lower	Upper
184	100			
63	96.1	60.2	90.2	#
154	69.9	86.1	129.1	#

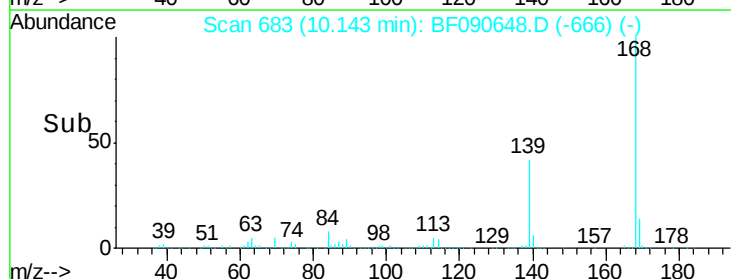
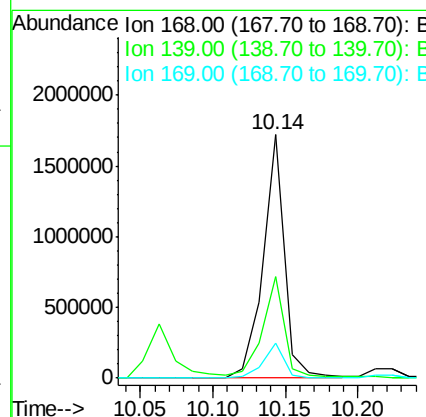
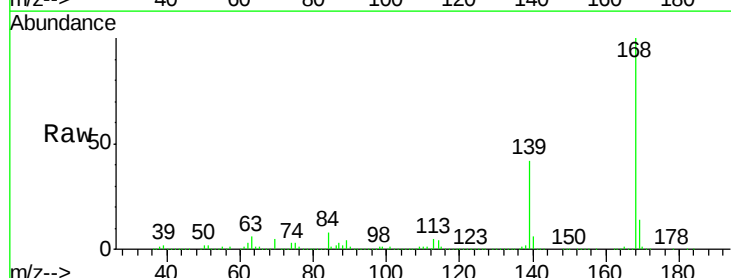
Manual Integrations
APPROVED

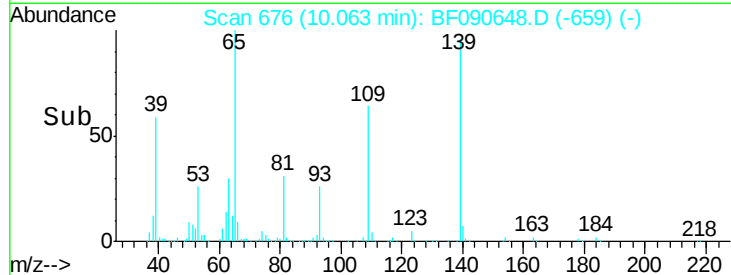
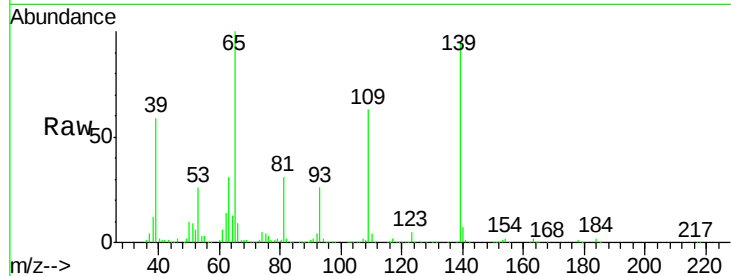
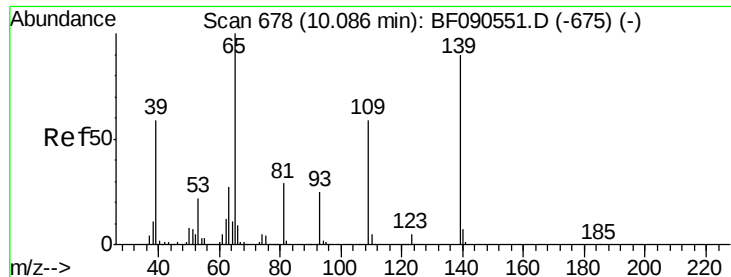
Sohil
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#54
Dibenzofuran
Concen: 34.28 ng
RT: 10.14 min Scan# 683
Delta R.T. -0.00 min
Lab File: BF090648.D
Acq: 19 Oct 2016 15:31

Tgt Ion	Ratio	Resp	Lower	Upper
168	100			
139	41.8	30.5	45.7	
169	14.2	10.9	16.3	





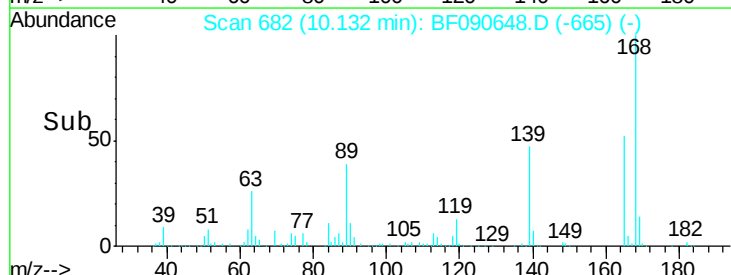
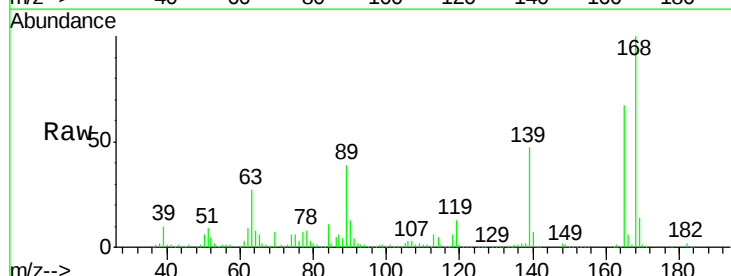
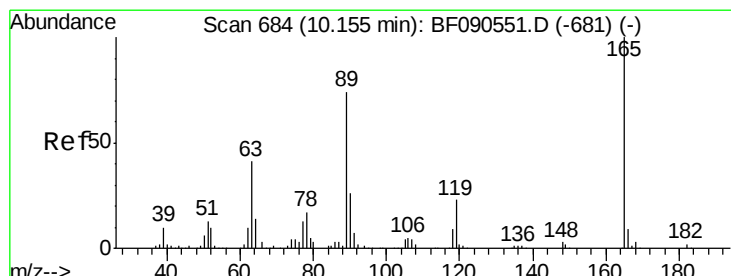
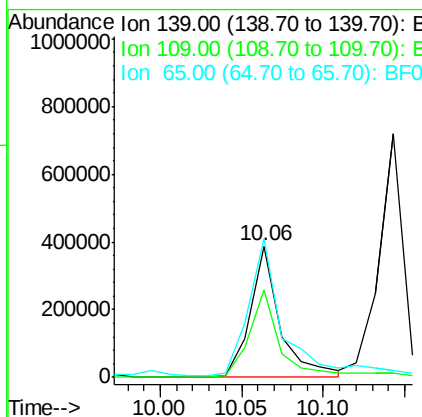
#55
4-Nitrophenol
Concen: 71.29 ng
RT: 10.06 min Scan# 676
Delta R.T. -0.00 min
Lab File: BF090648.D
Acq: 19 Oct 2016 15:31

Tot Ion	Ratio	Lower	Upper
139	100		
109	66.6	45.9	85.9
65	105.7	95.8	135.8

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGSMSD

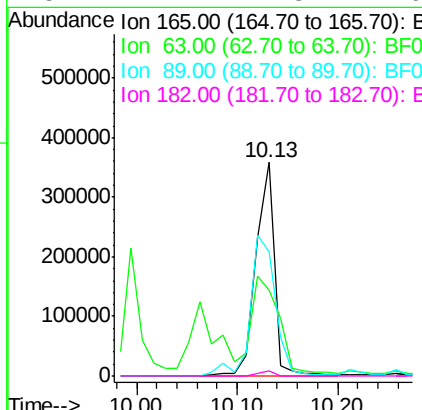
Manual Integrations
APPROVED

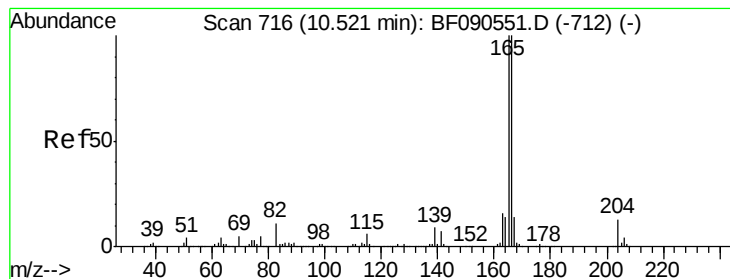
Sohil
10/20/2016 10:36:49 AM



#56
2,4-Dinitrotoluene
Concen: 37.07 ng
RT: 10.13 min Scan# 682
Delta R.T. -0.00 min
Lab File: BF090648.D
Acq: 19 Oct 2016 15:31

Tgt Ion	Ratio	Lower	Upper
165	100		
63	40.0	35.4	53.0
89	58.3	59.0	88.4
182	2.4	1.8	2.6





#57

Fluorene

Concen: 34.83 ng

RT: 10.49 min Scan# 713

Delta R.T. -0.00 min

Lab File: BF090648.D

Acq: 19 Oct 2016 15:31

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGSMSD

Tot Ion:166 Resp: 1468694

Ion Ratio Lower Upper

166 100

165 99.9 79.9 119.9

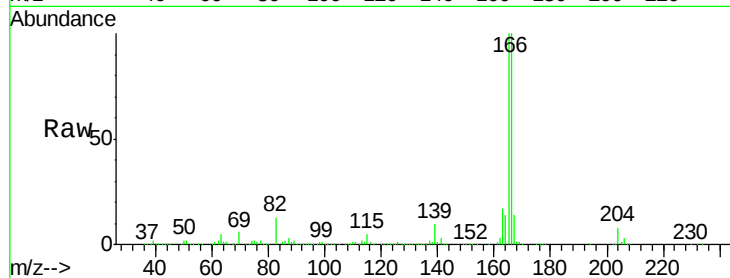
167 13.9 10.9 16.3

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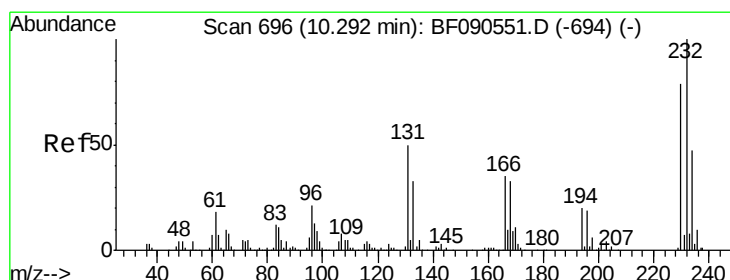
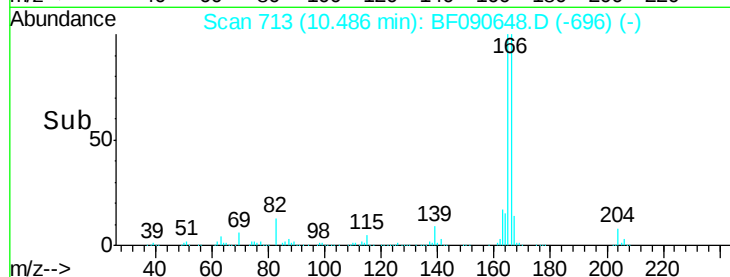
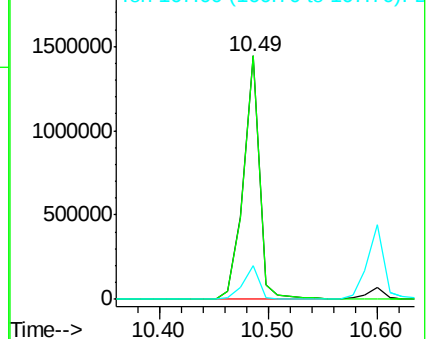


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 33.31 ng m

RT: 10.26 min Scan# 693

Delta R.T. -0.01 min

Lab File: BF090648.D

Acq: 19 Oct 2016 15:31

Tgt Ion:232 Resp: 320356

Ion Ratio Lower Upper

232 100

131 49.3 42.6 64.0

130 2.7 1.8 2.8

166 28.9 27.5 41.3

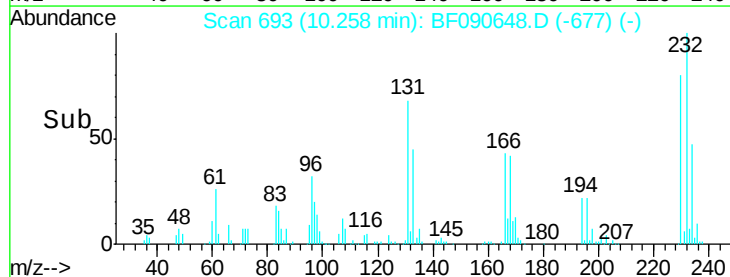
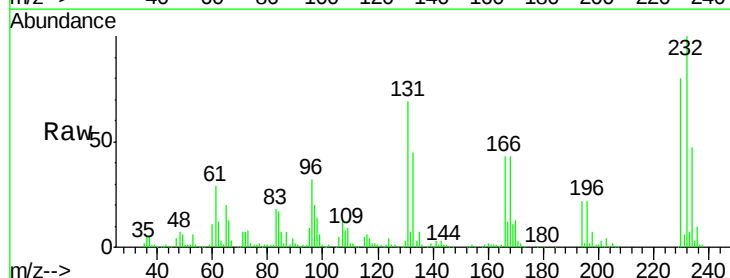
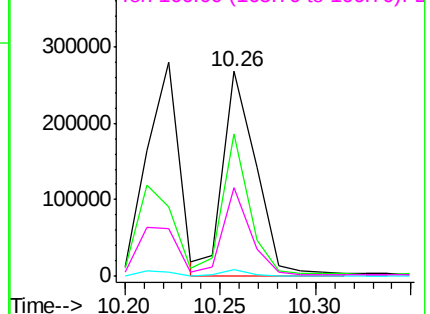
Abundance

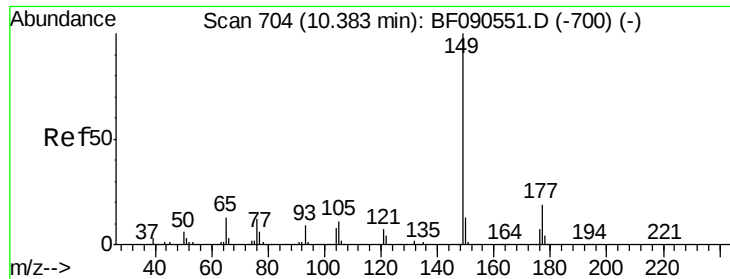
Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





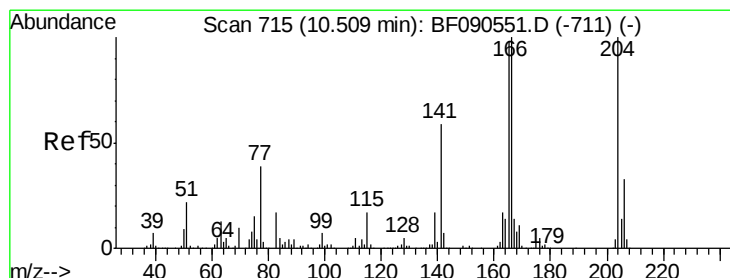
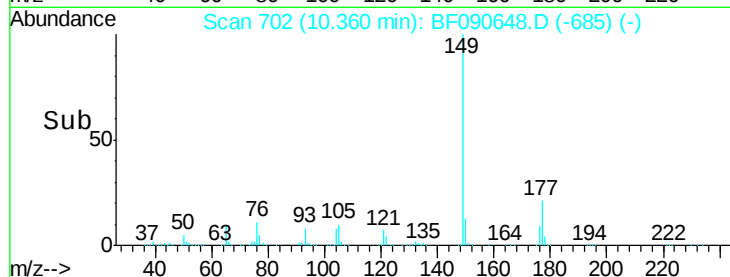
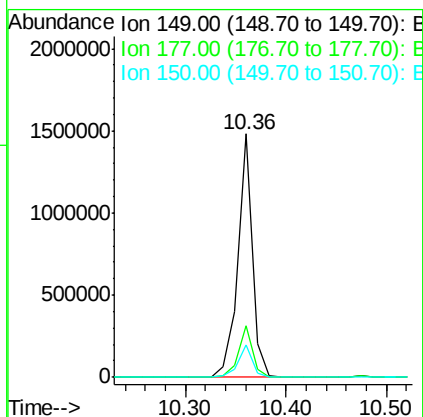
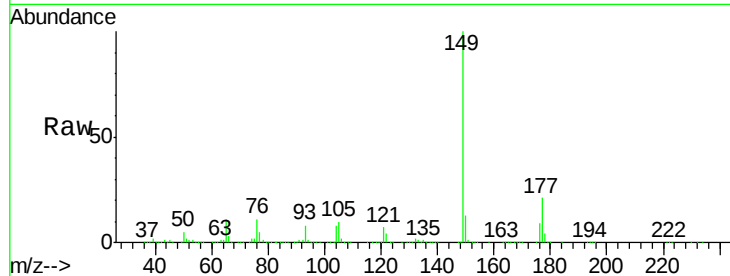
#59
Diethylphthalate
Concen: 35.10 ng
RT: 10.36 min Scan# 702
Delta R.T. -0.00 min
Lab File: BF090648.D
Acq: 19 Oct 2016 15:31

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGSMSD

Tot Ion	Ratio	Lower	Upper
149	100		
177	21.2	15.3	22.9
150	13.3	10.3	15.5

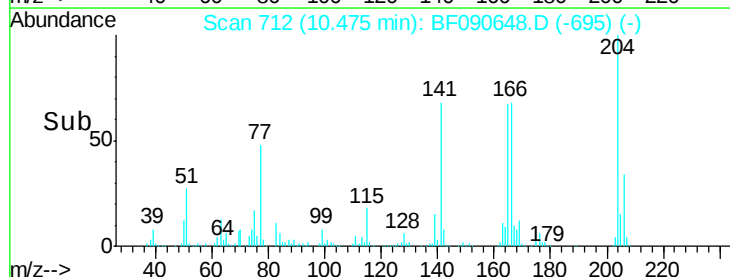
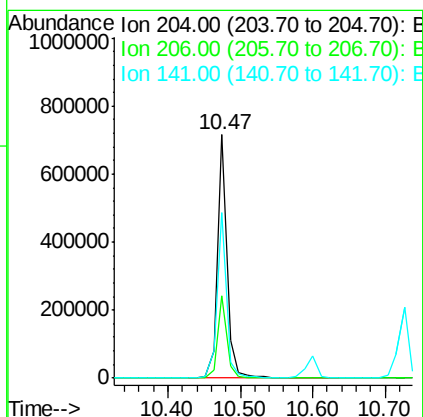
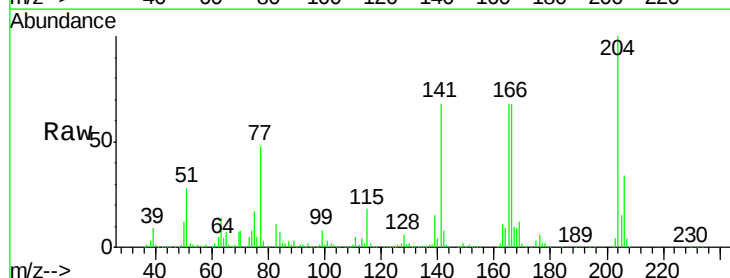
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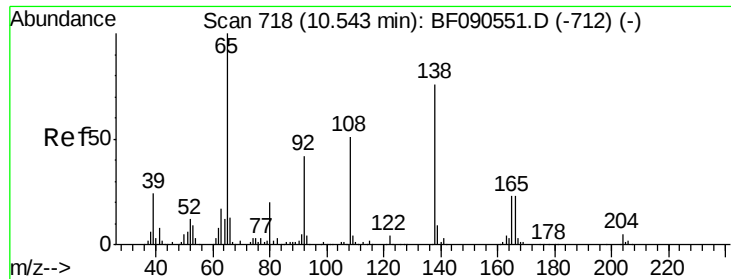
Sohil
10/20/2016 10:36:49 AM



#60
4-Chlorophenyl-phenylether
Concen: 32.95 ng
RT: 10.47 min Scan# 712
Delta R.T. -0.00 min
Lab File: BF090648.D
Acq: 19 Oct 2016 15:31

Tgt Ion	Ratio	Lower	Upper
204	100		
206	33.6	26.5	39.7
141	67.9	47.2	70.8





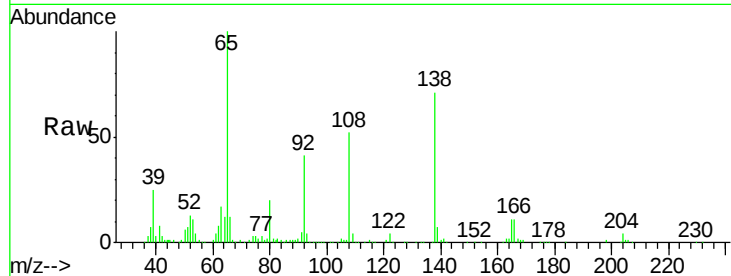
#61
4-Nitroaniline
Concen: 28.98 ng
RT: 10.51 min Scan# 715
Delta R.T. -0.00 min
Lab File: BF090648.D
Acq: 19 Oct 2016 15:31

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGSMSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	57.3	35.7	75.7
108	72.3	46.9	86.9

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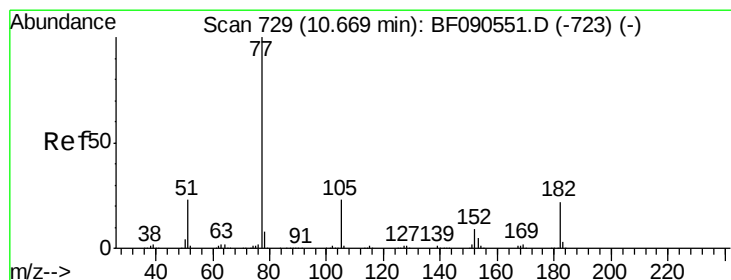
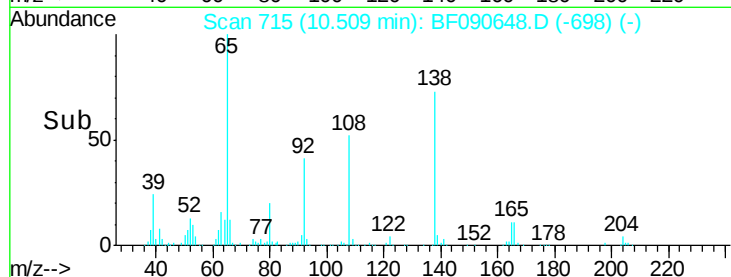
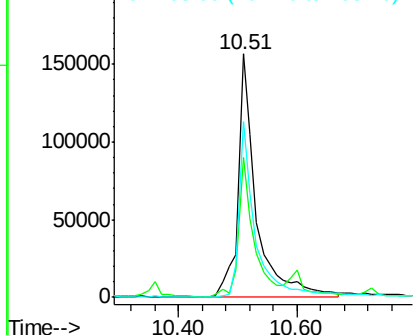


Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62
Azobenzene
Concen: 36.22 ng
RT: 10.63 min Scan# 726
Delta R.T. -0.00 min
Lab File: BF090648.D
Acq: 19 Oct 2016 15:31

Tgt Ion	Ratio	Lower	Upper
77	100		
182	18.5	2.2	42.2
105	23.4	3.5	43.5
51	26.6	3.7	43.7

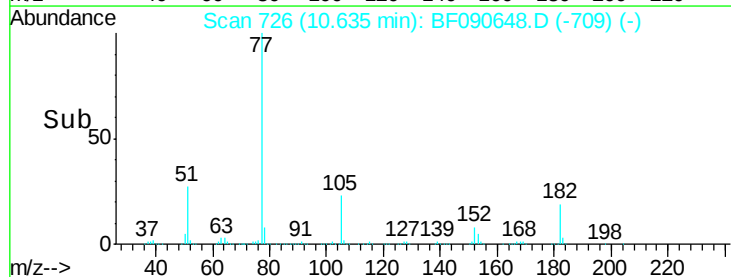
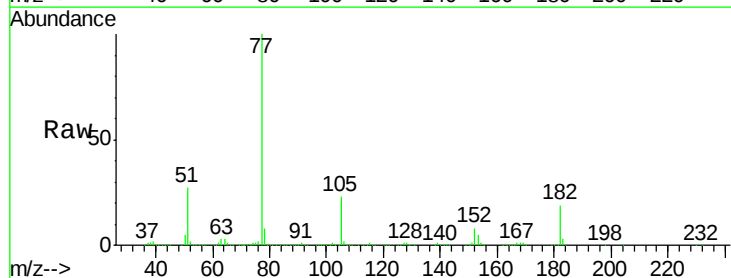
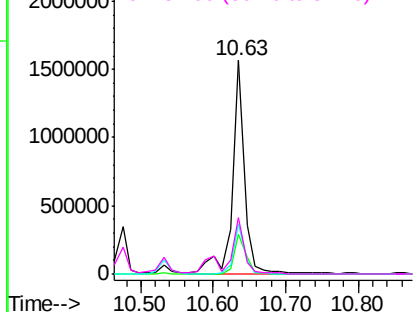
Abundance

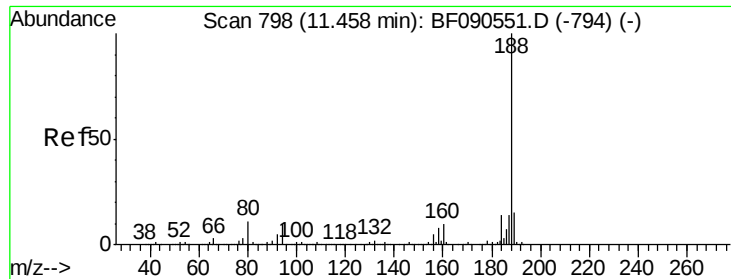
Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0





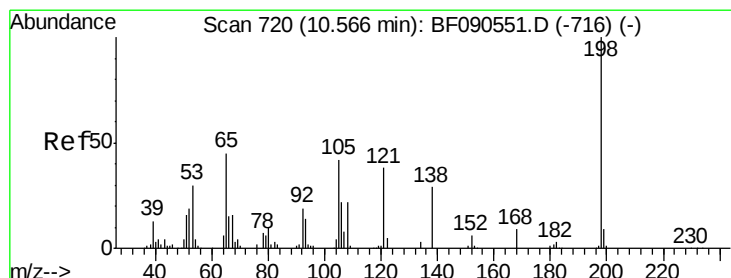
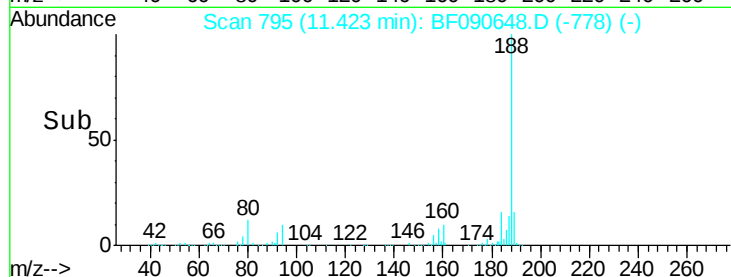
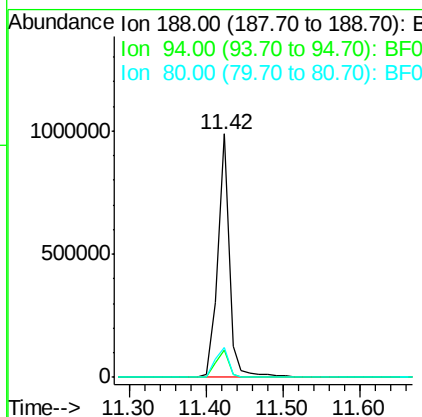
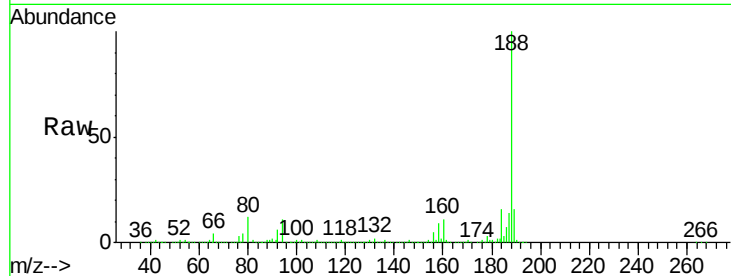
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.42 min Scan# 795
Delta R.T. -0.00 min
Lab File: BF090648.D
Acq: 19 Oct 2016 15:31

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGSMSD

Tot Ion:188 Resp: 1051776
Ion Ratio Lower Upper
188 100
94 11.2 7.7 11.5
80 12.4 8.6 12.8

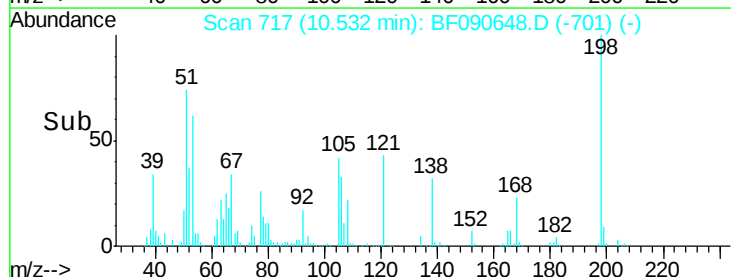
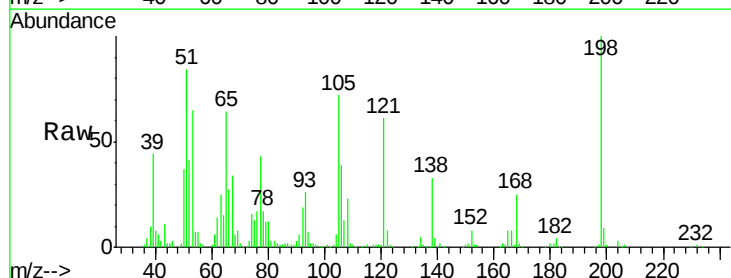
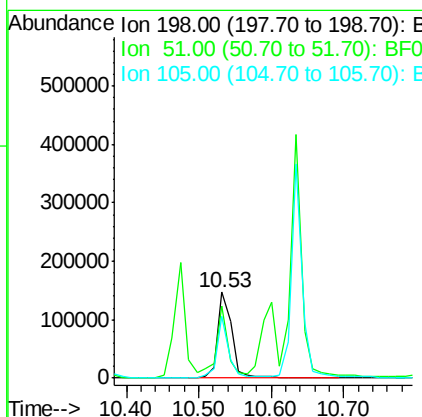
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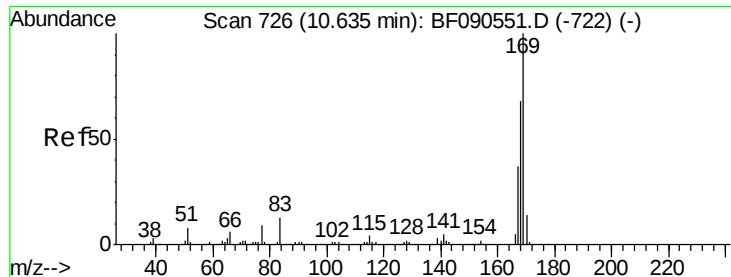
Sohil
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#64
4,6-Dinitro-2-methylphenol
Concen: 32.16 ng
RT: 10.53 min Scan# 717
Delta R.T. -0.01 min
Lab File: BF090648.D
Acq: 19 Oct 2016 15:31

Tgt Ion:198 Resp: 204704
Ion Ratio Lower Upper
198 100
51 83.7 19.7 59.7#
105 71.6 22.6 62.6#





#65

n-Nitrosodiphenylamine

Concen: 36.38 ng

RT: 10.60 min Scan# 723

Delta R.T. -0.00 min

Lab File: BF090648.D

Acq: 19 Oct 2016 15:31

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGSMSD

Tot Ion:169 Resp: 1263797

Ion Ratio Lower Upper

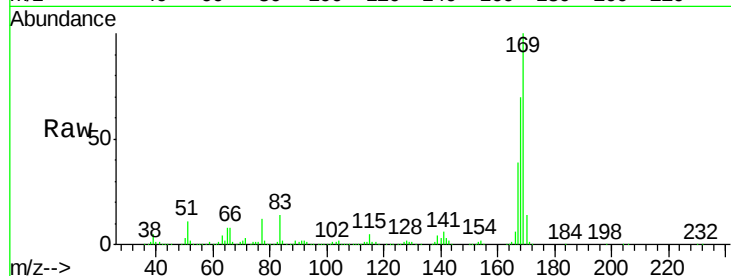
169 100

168 69.7 54.6 81.8

167 38.9 29.8 44.8

Manual Integrations
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Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

10.60

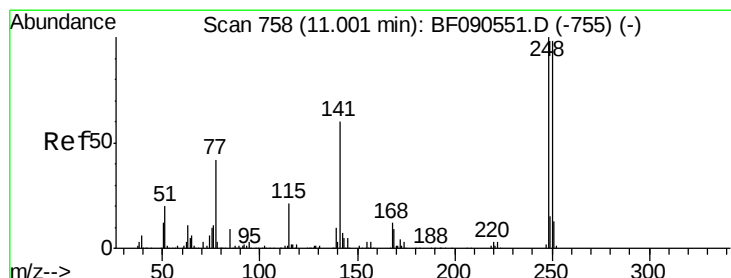
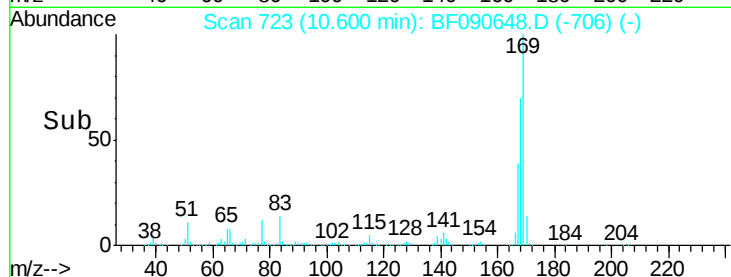
1500000

1000000

500000

0

Time-->



#66

4-Bromophenyl-phenylether

Concen: 34.28 ng

RT: 10.97 min Scan# 755

Delta R.T. -0.00 min

Lab File: BF090648.D

Acq: 19 Oct 2016 15:31

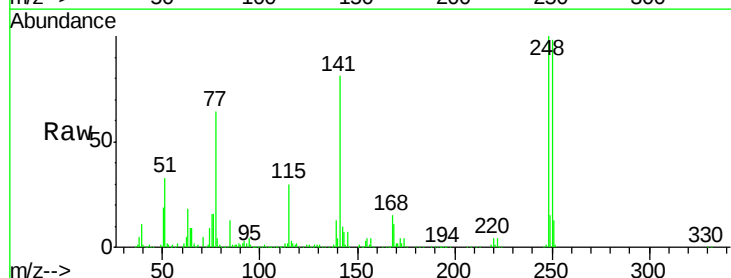
Tgt Ion:248 Resp: 386821

Ion Ratio Lower Upper

248 100

250 97.8 78.4 117.6

141 81.1 48.4 72.6#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

10.97

600000

500000

400000

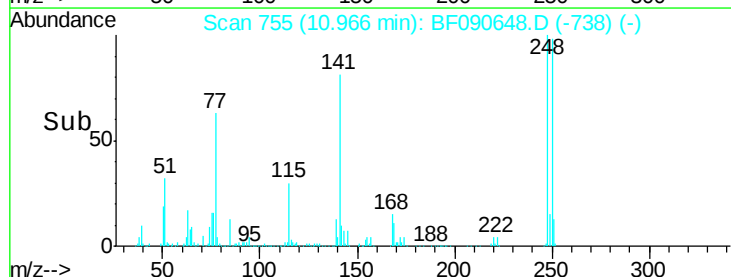
300000

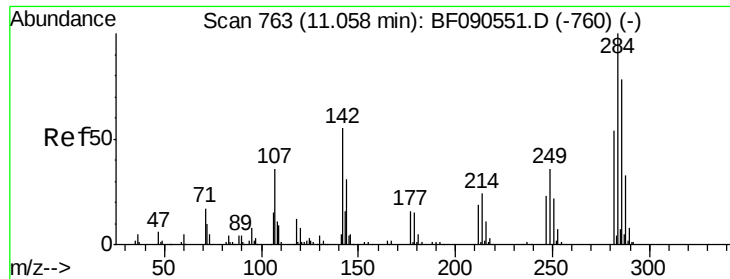
200000

100000

0

Time-->





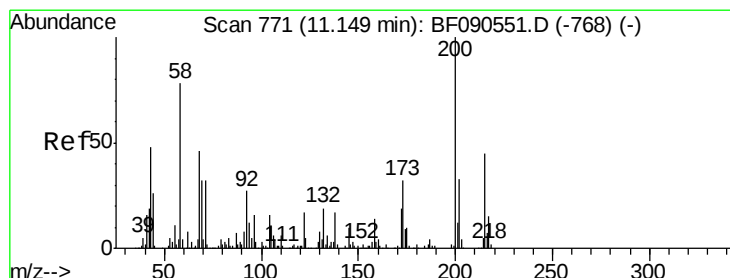
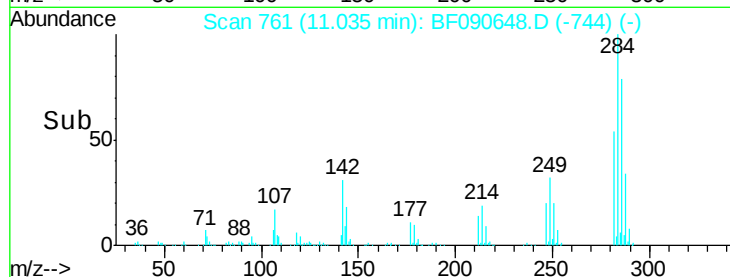
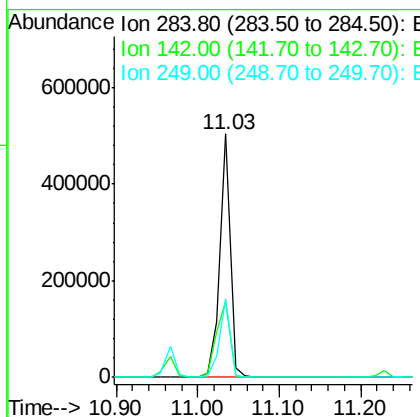
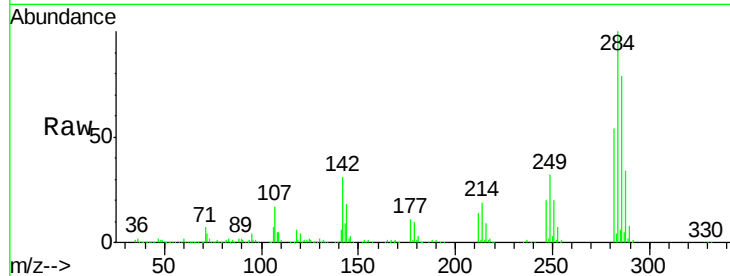
#67
Hexachlorobenzene
Concen: 36.56 ng
RT: 11.03 min Scan# 761
Delta R.T. -0.00 min
Lab File: BF090648.D
Acq: 19 Oct 2016 15:31

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGSMSD

Tot Ion	Ratio	Resp	Lower	Upper
284	100	447975		
142	31.4	44.5	66.7#	
249	32.2	29.6	44.4	

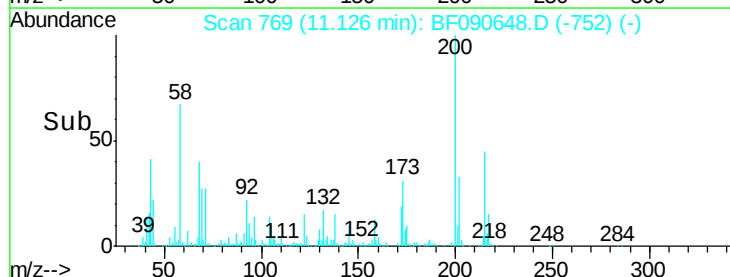
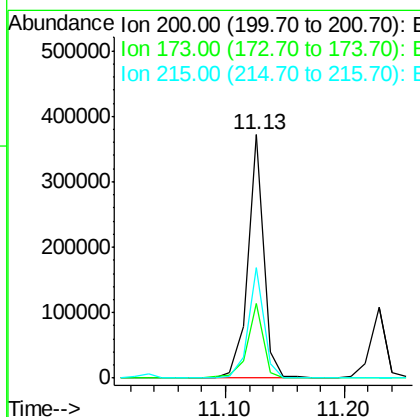
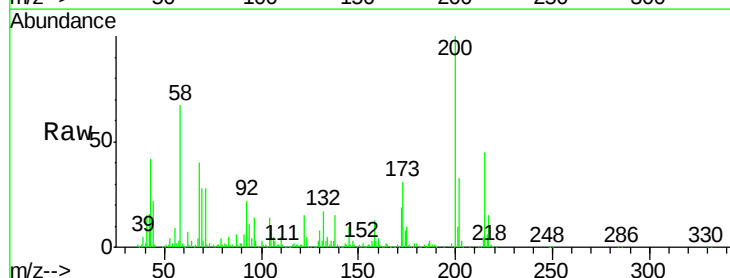
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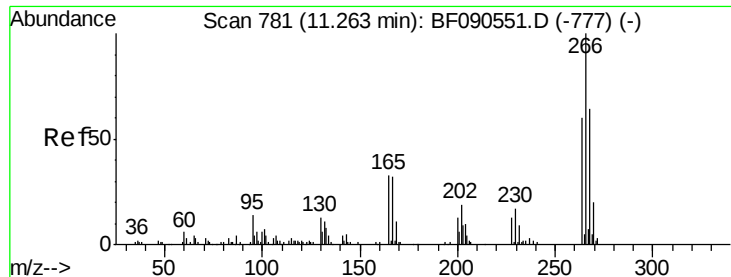
Sohil
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#68
Atrazine
Concen: 36.35 ng
RT: 11.13 min Scan# 769
Delta R.T. -0.00 min
Lab File: BF090648.D
Acq: 19 Oct 2016 15:31

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	349294		
173	30.9	12.0	52.0	
215	45.3	25.2	65.2	





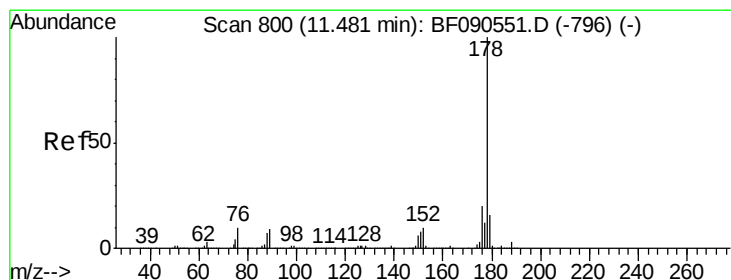
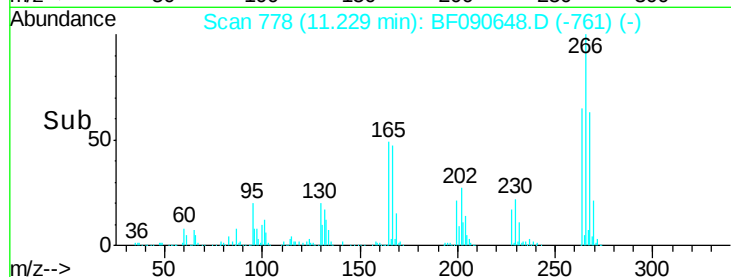
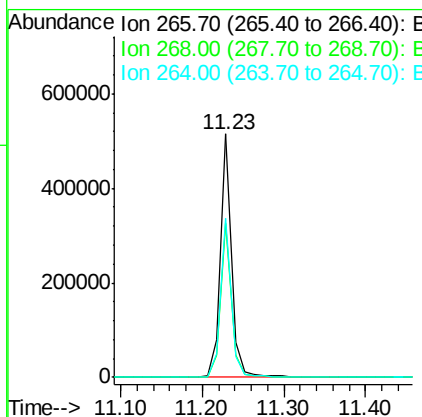
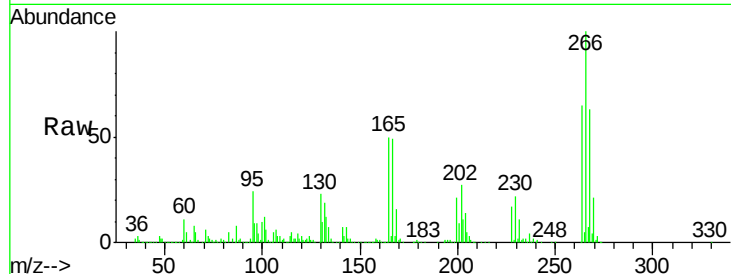
#69
 Pentachlorophenol
 Concen: 80.00 ng
 RT: 11.23 min Scan# 778
 Delta R.T. -0.00 min
 Lab File: BF090648.D
 Acq: 19 Oct 2016 15:31

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGSMSD

Tot Ion	Ratio	Resp	Lower	Upper
266	100			
268	63.2	51.5	77.3	
264	65.3	47.9	71.9	

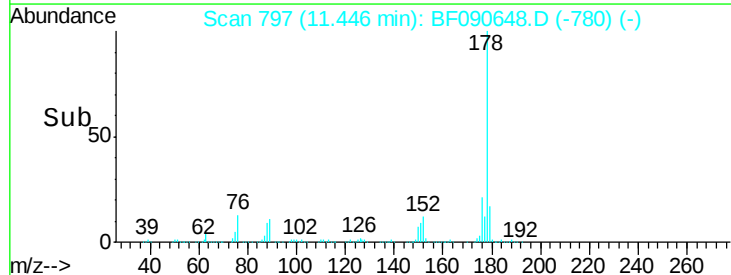
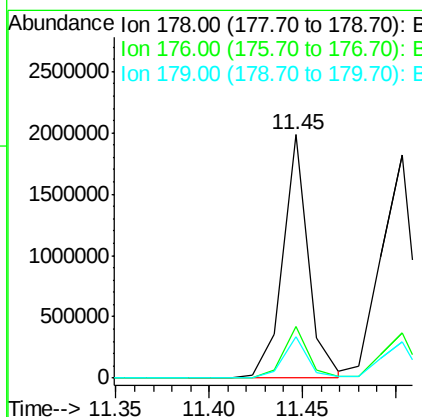
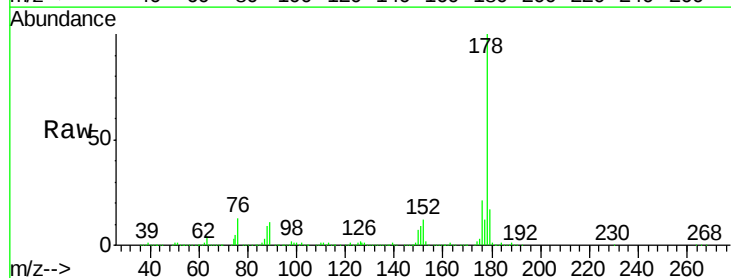
Manual Integrations
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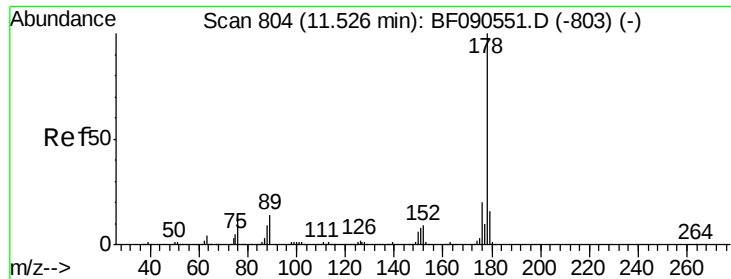
Sohil
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#70
 Phenanthrene
 Concen: 33.75 ng
 RT: 11.45 min Scan# 797
 Delta R.T. -0.00 min
 Lab File: BF090648.D
 Acq: 19 Oct 2016 15:31

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	21.3	16.1	24.1	
179	16.8	12.6	19.0	





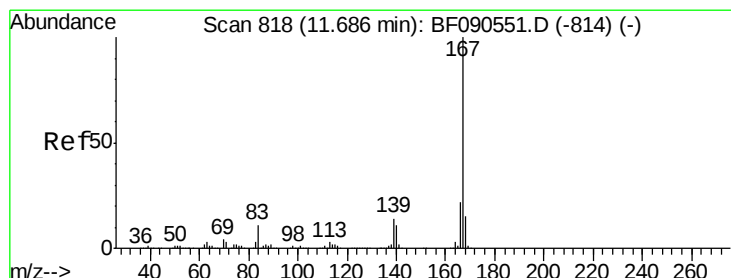
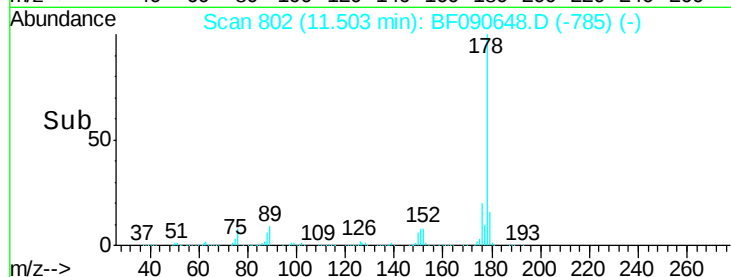
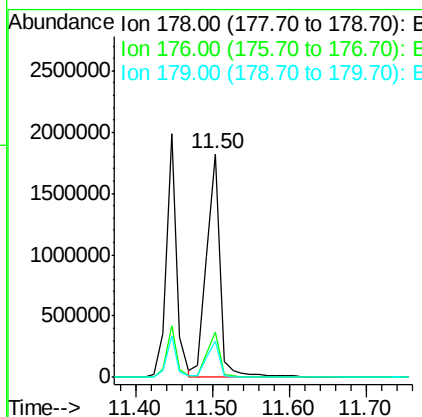
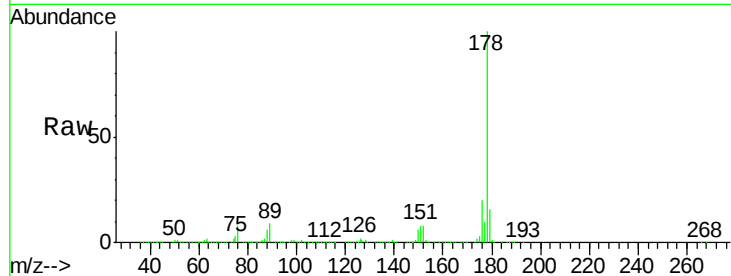
#71
 Anthracene
 Concen: 36.42 ng
 RT: 11.50 min Scan# 802
 Delta R.T. -0.00 min
 Lab File: BF090648.D
 Acq: 19 Oct 2016 15:31

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGSMSD

Tot Ion:178 Resp: 2200425
 Ion Ratio Lower Upper
 178 100
 176 20.2 15.5 23.3
 179 16.1 13.0 19.4

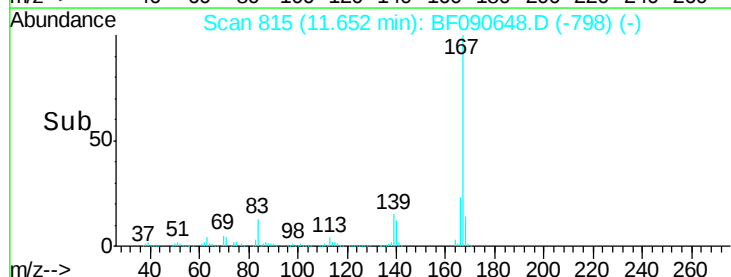
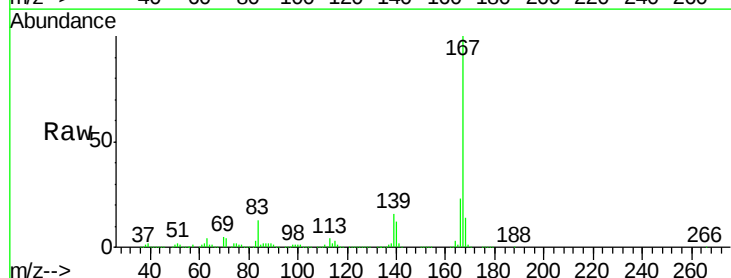
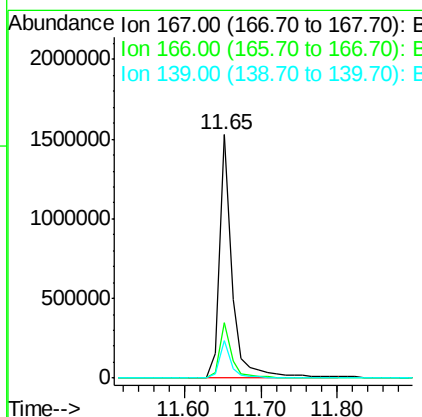
Manual Integrations
 APPROVED

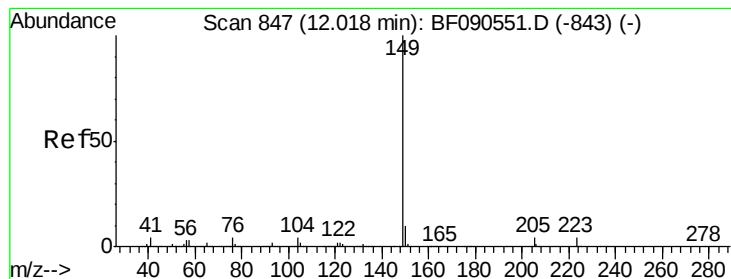
Sohil
 10/20/2016 10:36:49 AM



#72
 Carbazole
 Concen: 32.66 ng
 RT: 11.65 min Scan# 815
 Delta R.T. -0.00 min
 Lab File: BF090648.D
 Acq: 19 Oct 2016 15:31

Tgt Ion:167 Resp: 1766548
 Ion Ratio Lower Upper
 167 100
 166 23.0 17.8 26.8
 139 15.6 11.3 16.9





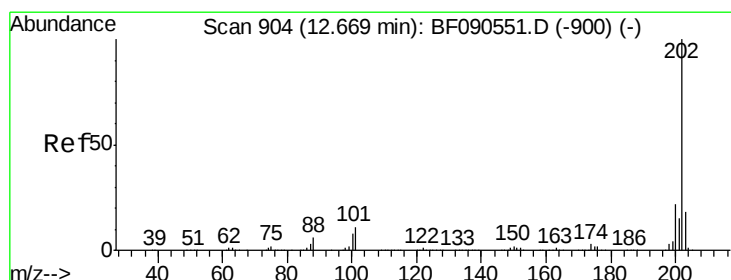
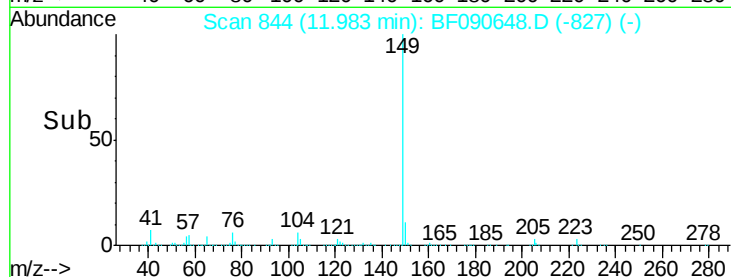
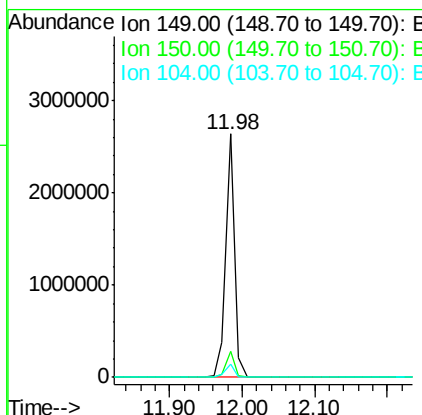
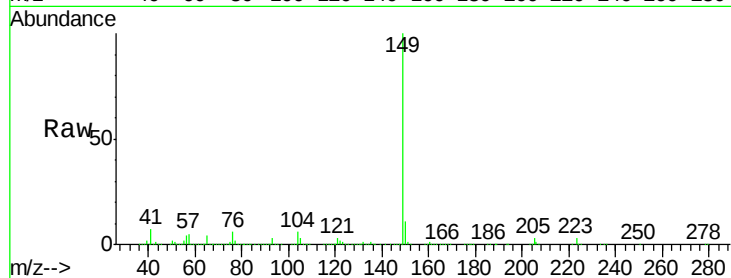
#73
Di-n-butylphthalate
Concen: 35.62 ng
RT: 11.98 min Scan# 844
Delta R.T. -0.00 min
Lab File: BF090648.D
Acq: 19 Oct 2016 15:31

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGSMSD

Tot Ion:149 Resp: 2257100
Ion Ratio Lower Upper
149 100
150 10.6 7.8 11.6
104 5.7 3.3 4.9#

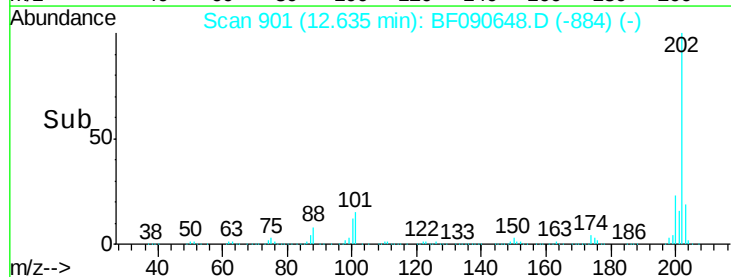
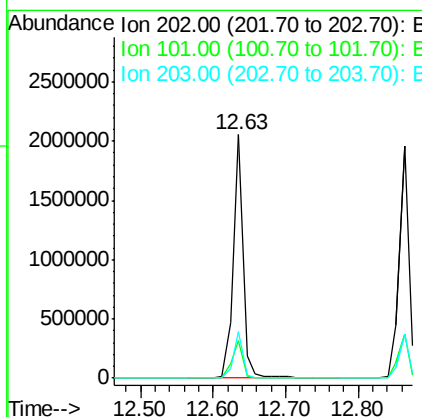
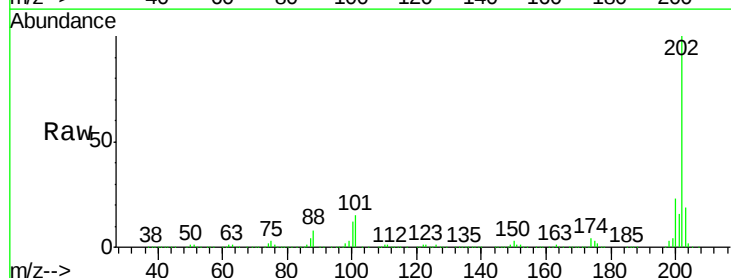
Manual Integrations
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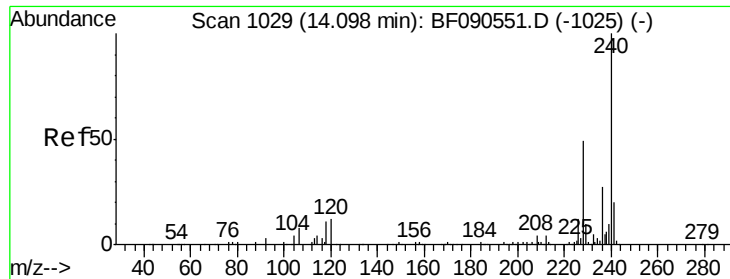
Sohil
10/20/2016 10:36:49 AM



#74
Fluoranthene
Concen: 34.49 ng
RT: 12.63 min Scan# 901
Delta R.T. -0.00 min
Lab File: BF090648.D
Acq: 19 Oct 2016 15:31

Tgt Ion:202 Resp: 1947678
Ion Ratio Lower Upper
202 100
101 15.4 0.0 31.1
203 18.9 0.0 38.0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.06 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BF090648.D

Acq: 19 Oct 2016 15:31

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGSMSD

Tot Ion:240 Resp: 900825

Ion Ratio Lower Upper

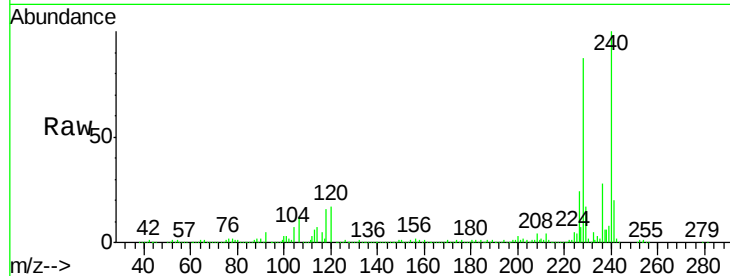
240 100

120 17.2 9.8 14.8#

236 28.1 21.7 32.5

Manual Integrations
APPROVED

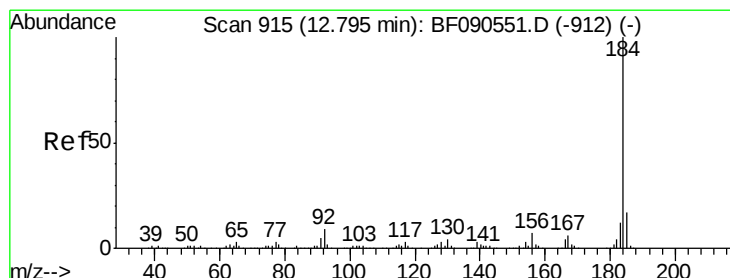
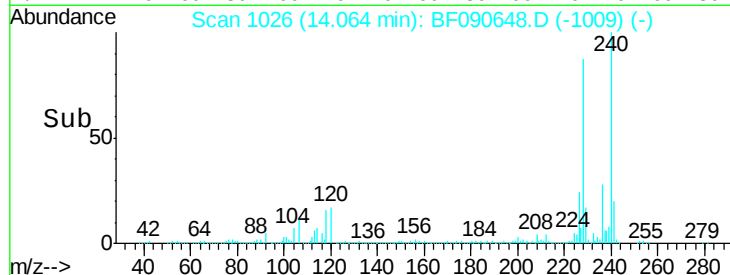
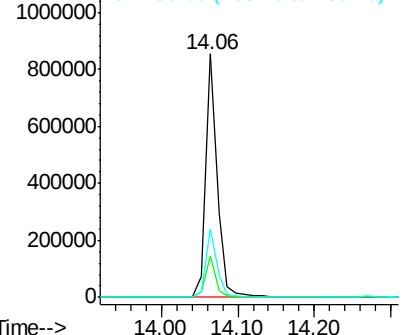
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 7.38 ng

RT: 12.76 min Scan# 912

Delta R.T. -0.00 min

Lab File: BF090648.D

Acq: 19 Oct 2016 15:31

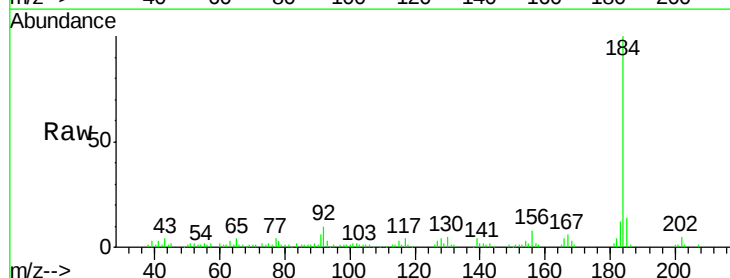
Tgt Ion:184 Resp: 165431

Ion Ratio Lower Upper

184 100

185 13.8 13.4 20.0

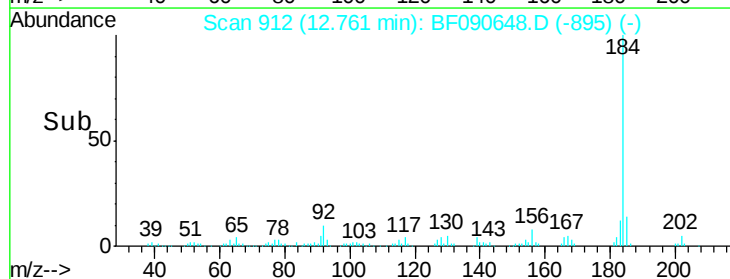
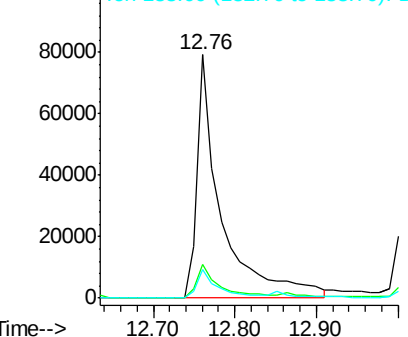
183 11.7 9.4 14.0

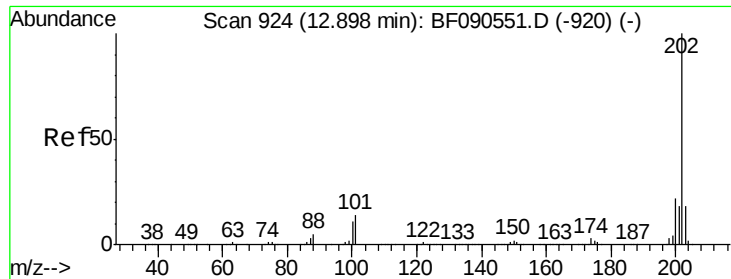


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





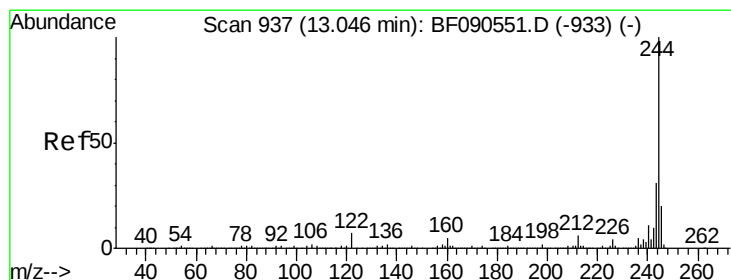
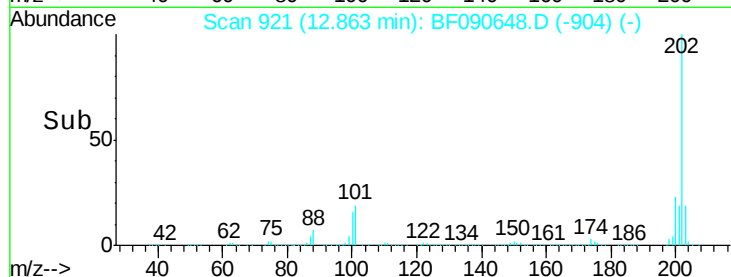
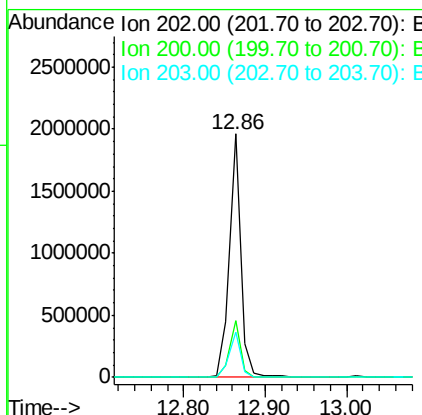
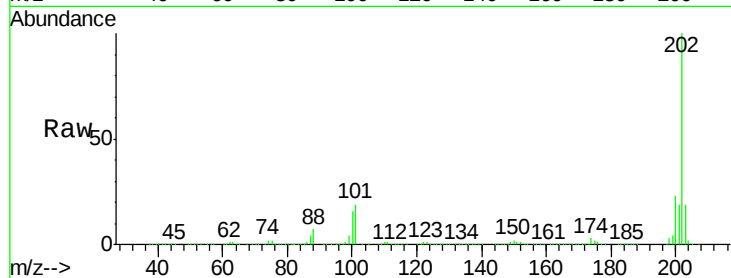
#77
Pvrene
Concen: 31.78 ng
RT: 12.86 min Scan# 921
Delta R.T. -0.00 min
Lab File: BF090648.D
Acq: 19 Oct 2016 15:31

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGSMSD

Tot Ion	Ratio	Lower	Upper
202	100		
200	23.4	17.8	26.6
203	18.8	14.6	21.8

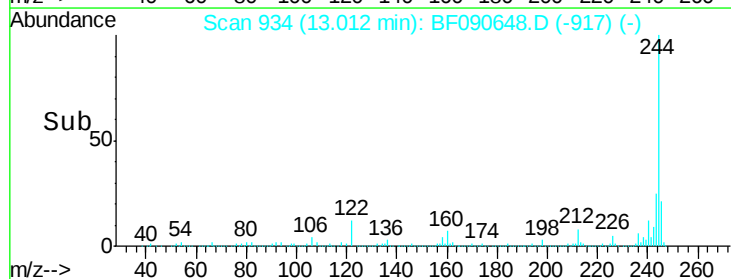
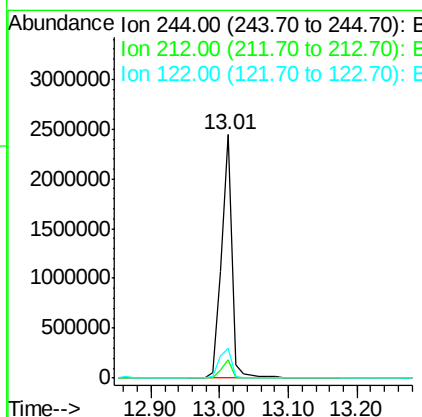
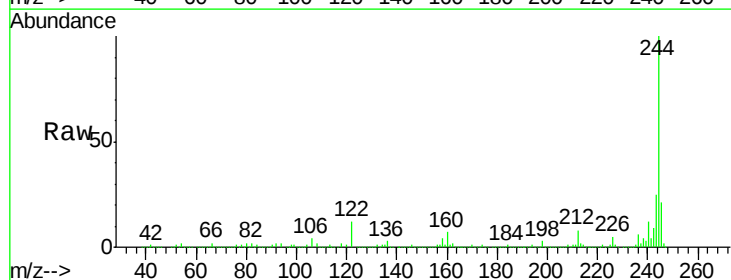
Manual Integrations
APPROVED

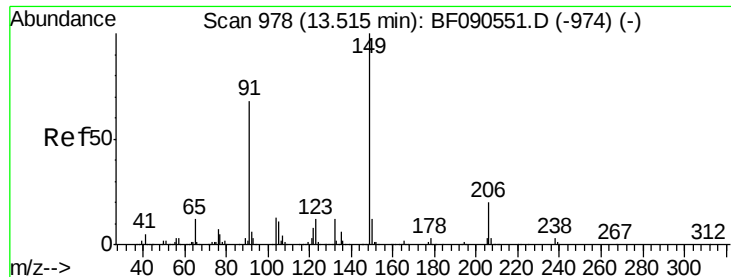
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10/20/2016 10:36:49 AM



#78
Terphenyl-d14
Concen: 68.43 ng
RT: 13.01 min Scan# 934
Delta R.T. -0.00 min
Lab File: BF090648.D
Acq: 19 Oct 2016 15:31

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.0	7.4#
122	12.0	5.6	8.4#





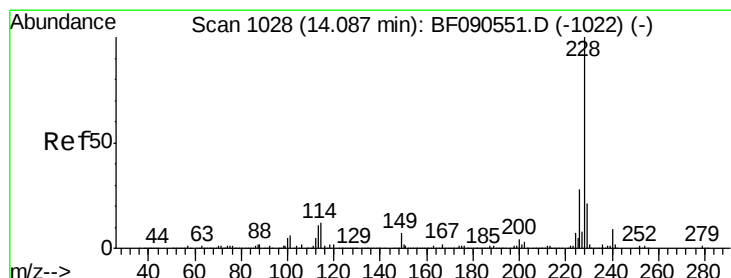
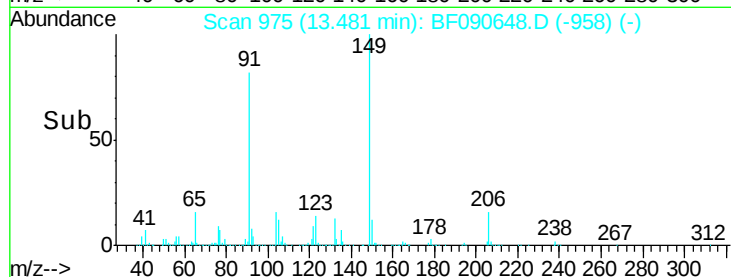
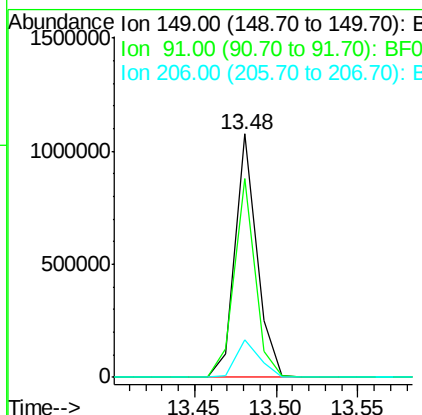
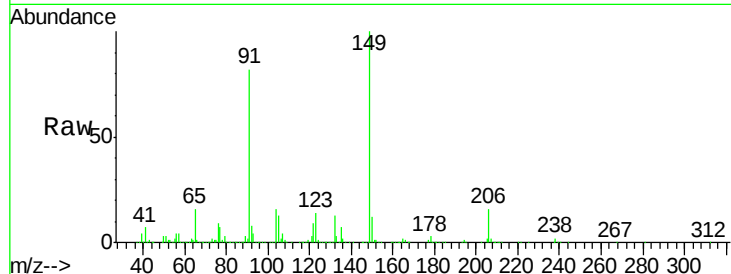
#79
Butylbenzylphthalate
Concen: 37.53 ng
RT: 13.48 min Scan# 975
Delta R.T. -0.00 min
Lab File: BF090648.D
Acq: 19 Oct 2016 15:31

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGSMSD

Tot Ion	Ratio	Lower	Upper
149	100		
91	81.6	54.3	81.5#
206	15.6	15.8	23.6#

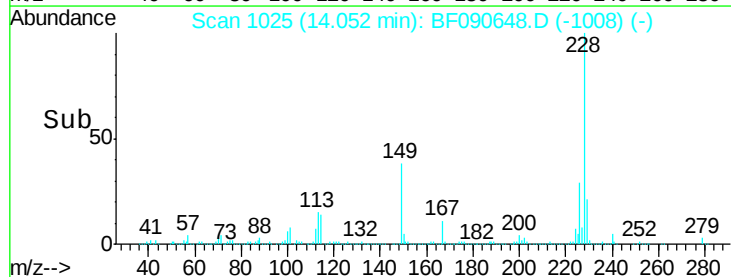
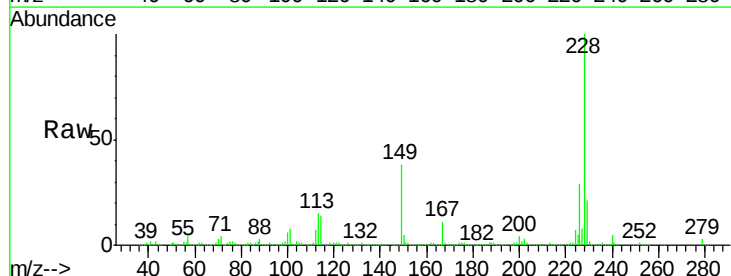
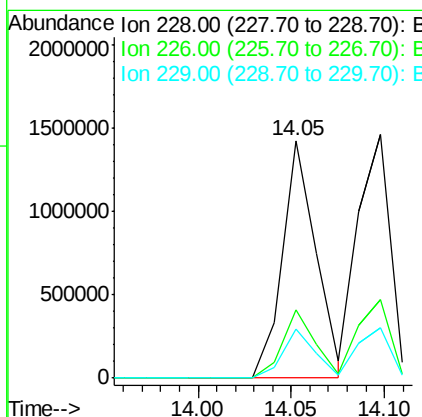
Manual Integrations
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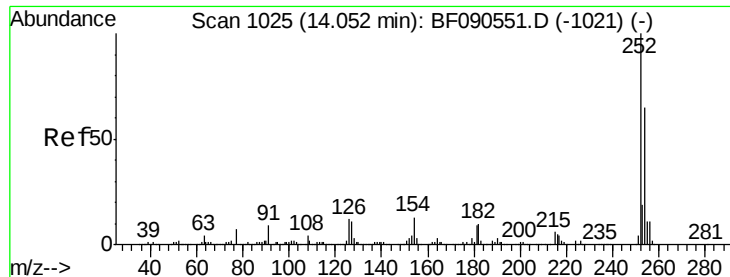
Sohil
10/20/2016 10:36:49 AM



#80
Benzo(a)anthracene
Concen: 35.05 ng
RT: 14.05 min Scan# 1025
Delta R.T. -0.00 min
Lab File: BF090648.D
Acq: 19 Oct 2016 15:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.8	34.2
229	20.9	16.6	25.0





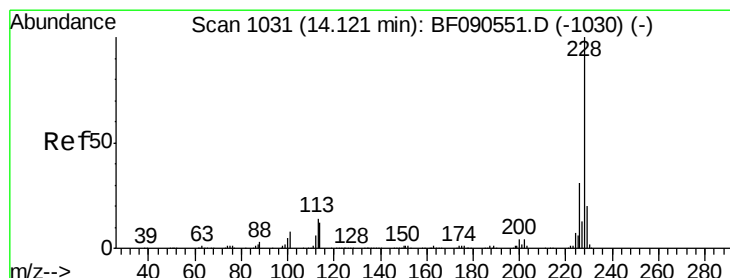
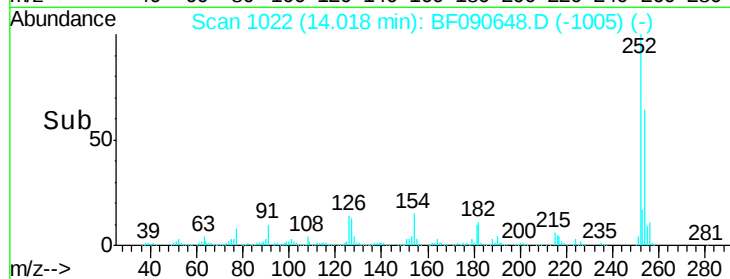
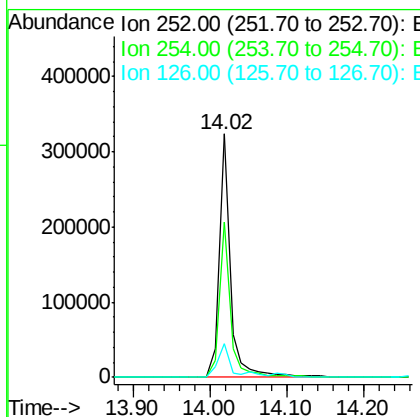
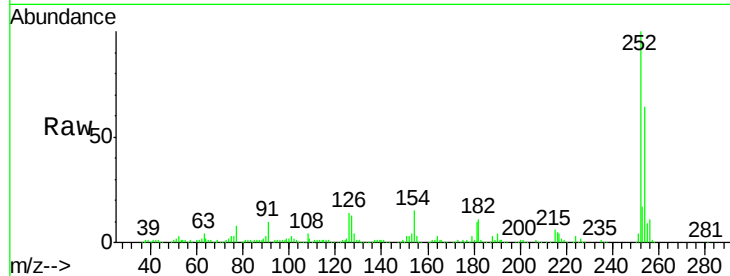
#81
 3,3'-Dichlorobenzidine
 Concen: 18.77 ng
 RT: 14.02 min Scan# 1022
 Delta R.T. -0.00 min
 Lab File: BF090648.D
 Acq: 19 Oct 2016 15:31

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGSMSD

Tot Ion	Ratio	Lower	Upper
252	100		
254	63.9	52.1	78.1
126	13.7	9.3	13.9

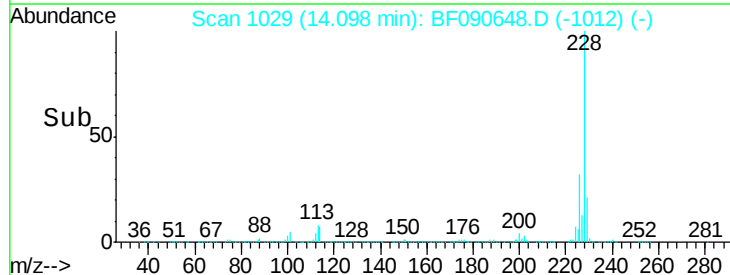
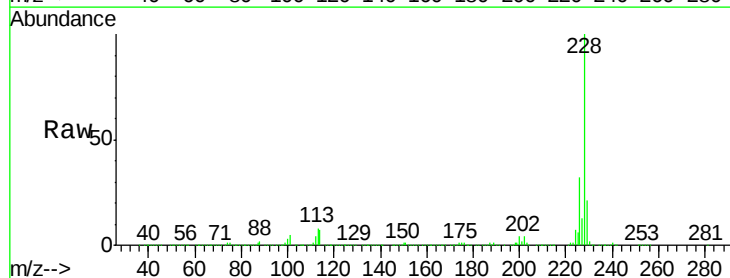
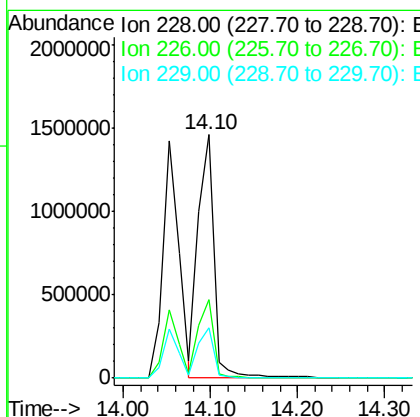
Manual Integrations
 APPROVED

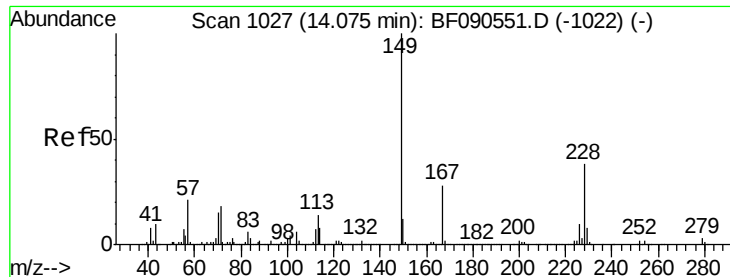
Sohil
 10/20/2016 10:36:49 AM



#82
 Chrysene
 Concen: 37.37 ng
 RT: 14.10 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: BF090648.D
 Acq: 19 Oct 2016 15:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.2	24.8	37.2
229	20.5	16.2	24.4





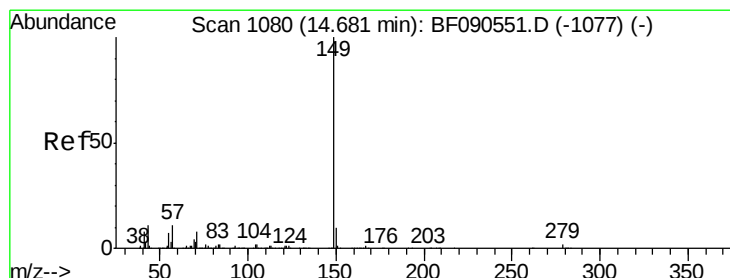
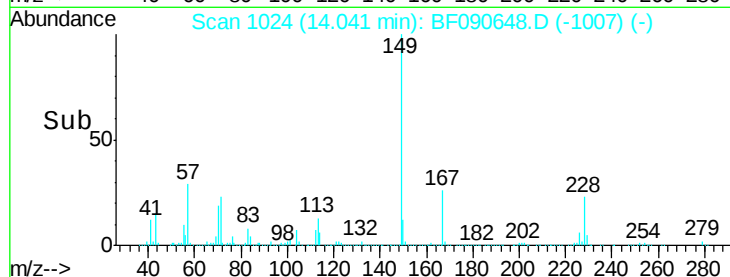
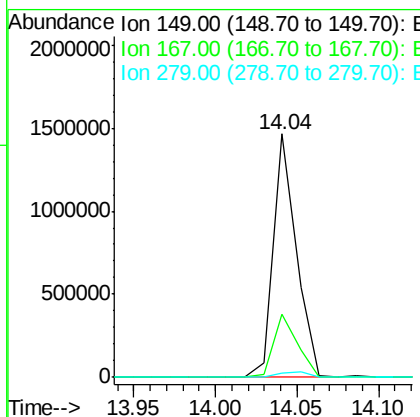
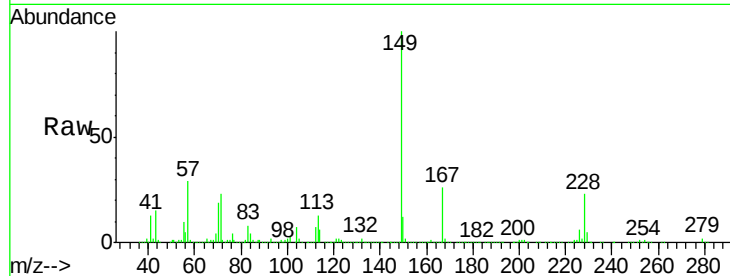
#83
Bis(2-ethylhexyl)phthalate
Concen: 40.39 ng
RT: 14.04 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BF090648.D
Acq: 19 Oct 2016 15:31

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGSMSD

Tot Ion:149 Resp: 1440238
Ion Ratio Lower Upper
149 100
167 25.9 22.1 33.1
279 1.9 2.6 4.0#

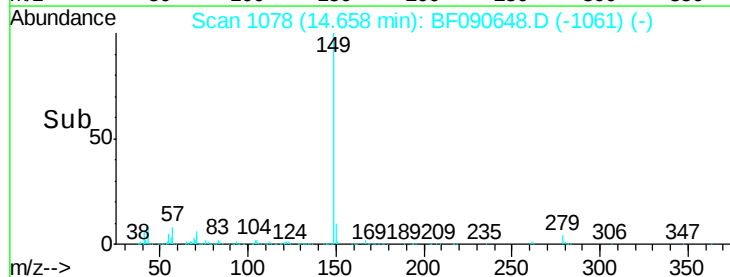
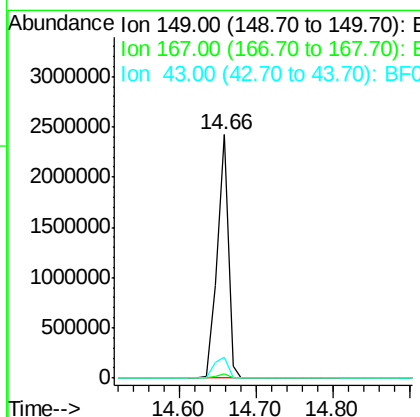
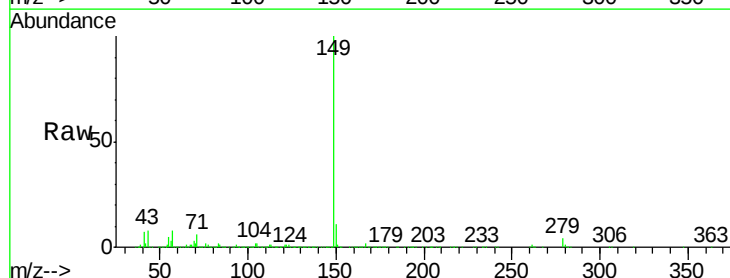
Manual Integrations
APPROVED

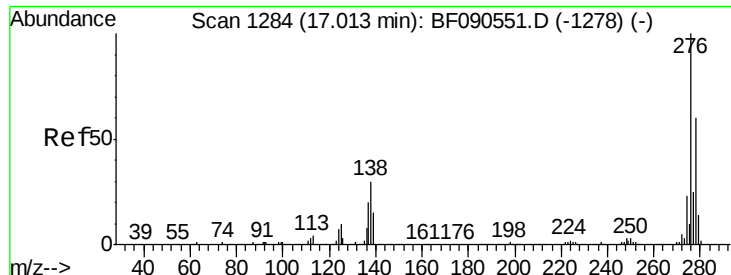
Sohil
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#84
Di-n-octyl phthalate
Concen: 50.22 ng
RT: 14.66 min Scan# 1078
Delta R.T. -0.00 min
Lab File: BF090648.D
Acq: 19 Oct 2016 15:31

Tgt Ion:149 Resp: 2401417
Ion Ratio Lower Upper
149 100
167 1.7 1.2 1.8
43 10.5 6.7 10.1#





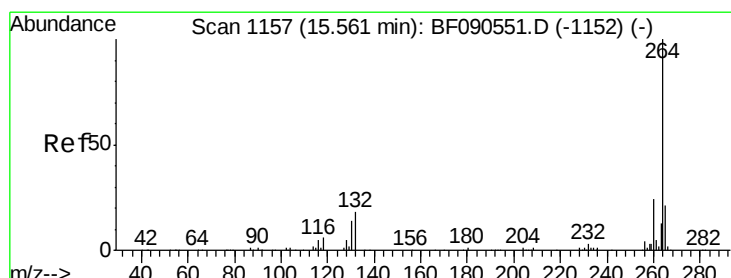
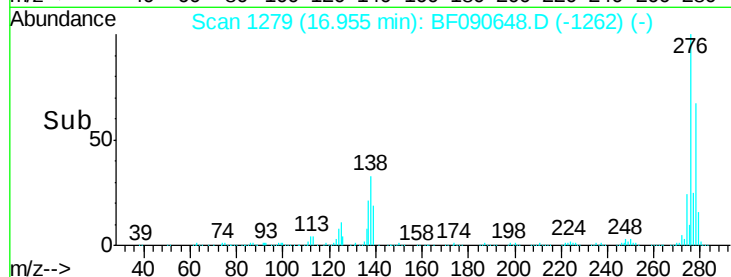
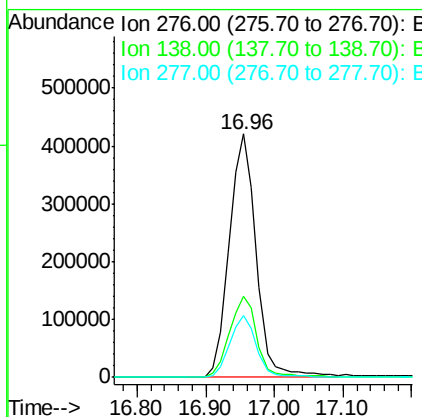
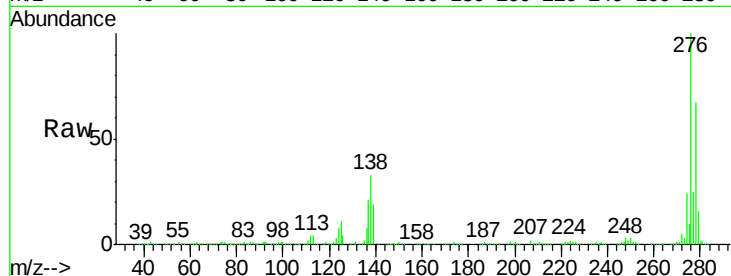
#85
Indeno(1,2,3-cd)pyrene
Concen: 40.56 ng
RT: 16.96 min Scan# 1279
Delta R.T. -0.00 min
Lab File: BF090648.D
Acq: 19 Oct 2016 15:31

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGSMSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	34.0	25.8	38.6
277	25.3	20.1	30.1

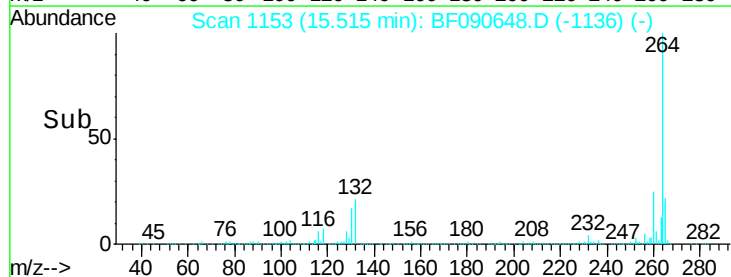
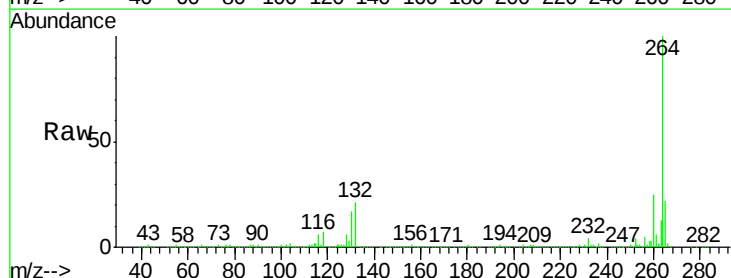
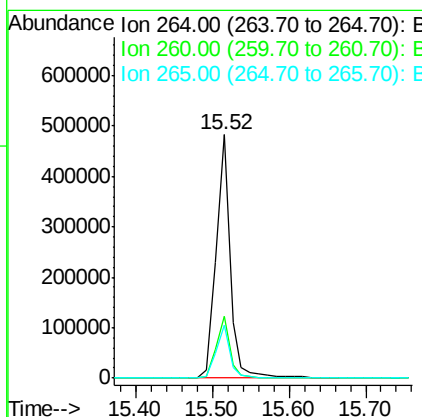
Manual Integrations
APPROVED

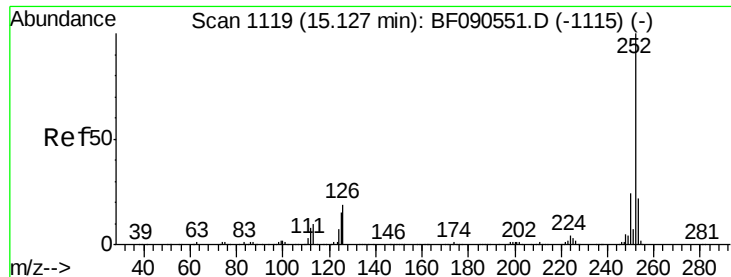
Sohil
10/20/2016 10:36:49 AM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.52 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BF090648.D
Acq: 19 Oct 2016 15:31

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.3	28.9
265	21.6	16.7	25.1





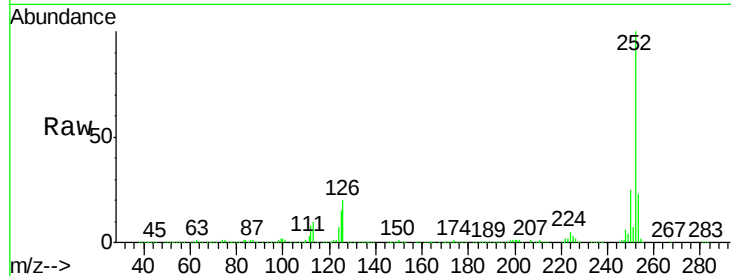
#87
Benzo(b)fluoranthene
Concen: 42.44 ng
RT: 15.09 min Scan# 1116
Delta R.T. -0.00 min
Lab File: BF090648.D
Acq: 19 Oct 2016 15:31

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGSMSD

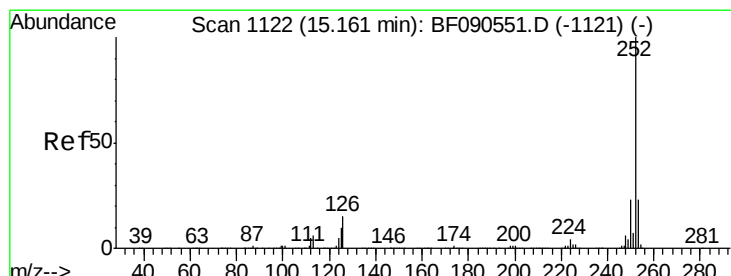
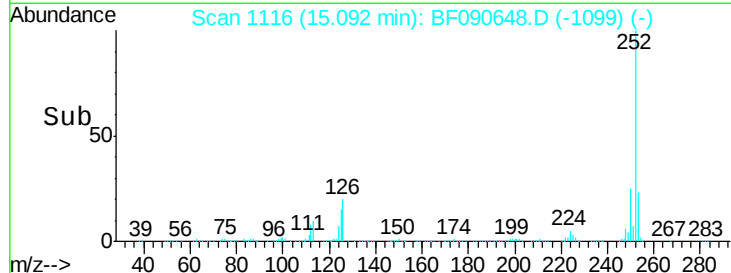
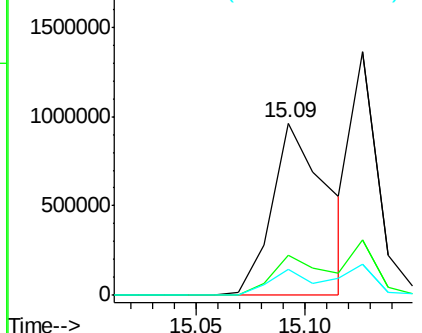
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	14.9	12.0	18.0

Manual Integrations
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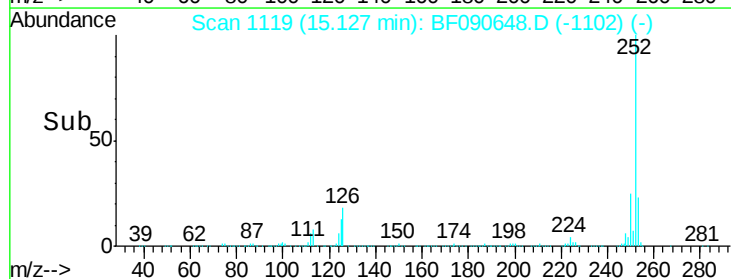
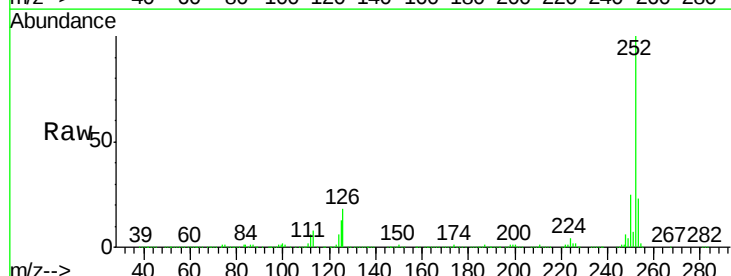
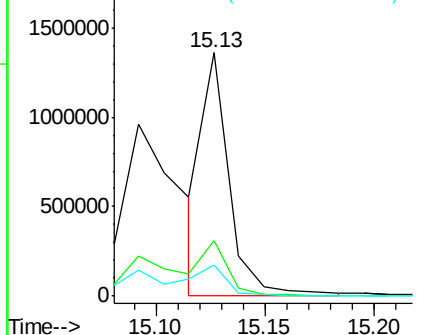
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

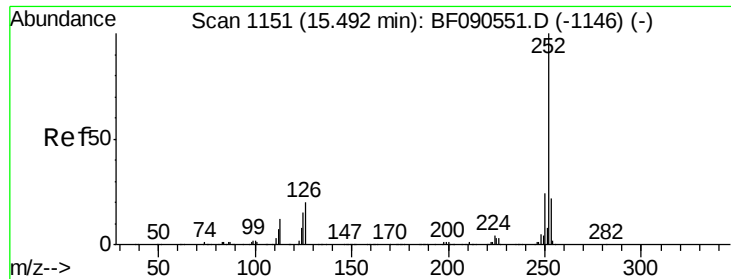


#88
Benzo(k)fluoranthene
Concen: 26.77 ng m
RT: 15.13 min Scan# 1119
Delta R.T. -0.00 min
Lab File: BF090648.D
Acq: 19 Oct 2016 15:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	12.6	10.0	15.0

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





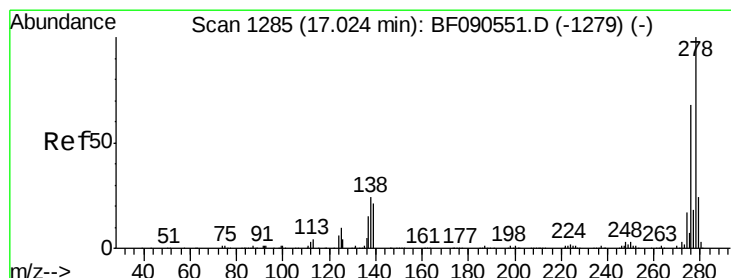
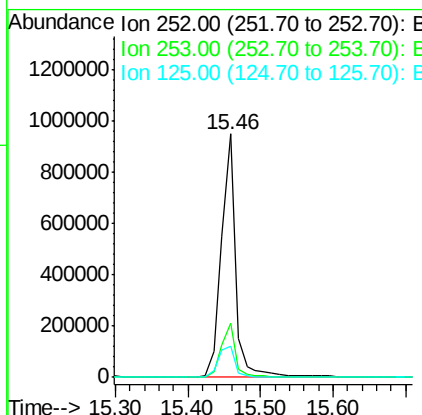
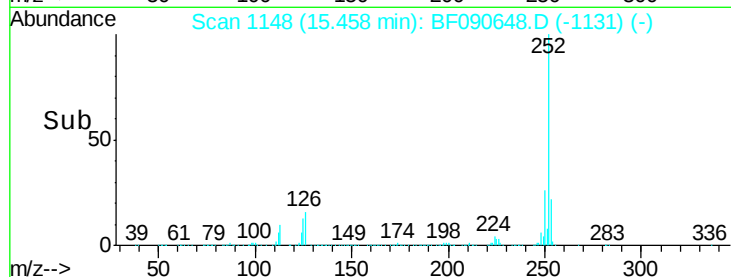
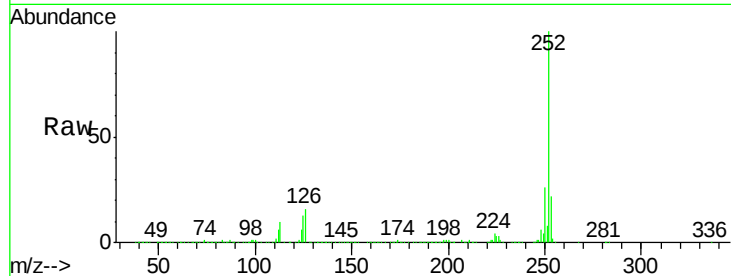
#89
Benzo(a)pyrene
Concen: 34.85 ng
RT: 15.46 min Scan# 1148
Delta R.T. -0.00 min
Lab File: BF090648.D
Acq: 19 Oct 2016 15:31

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGSMSD

Tot Ion:252 Resp: 1292782
Ion Ratio Lower Upper
252 100
253 22.4 17.9 26.9
125 12.7 12.3 18.5

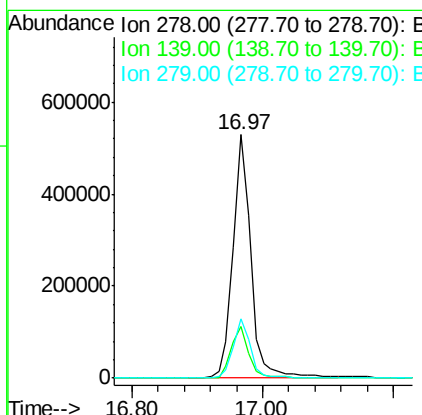
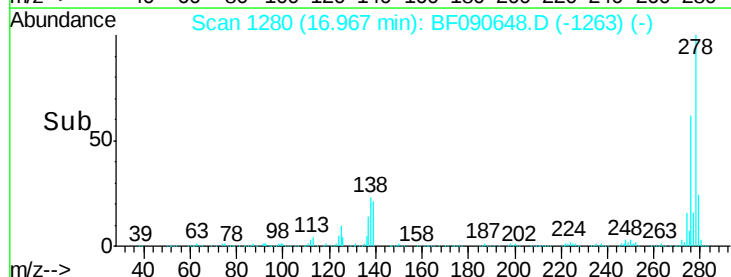
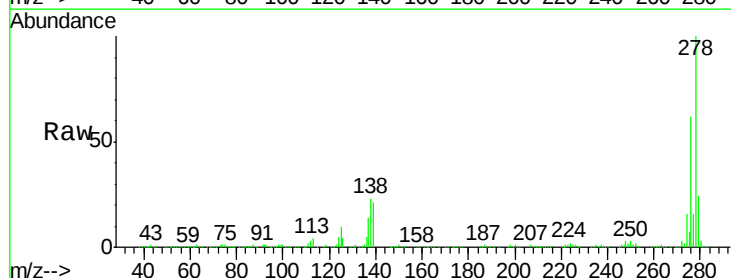
Manual Integrations
APPROVED

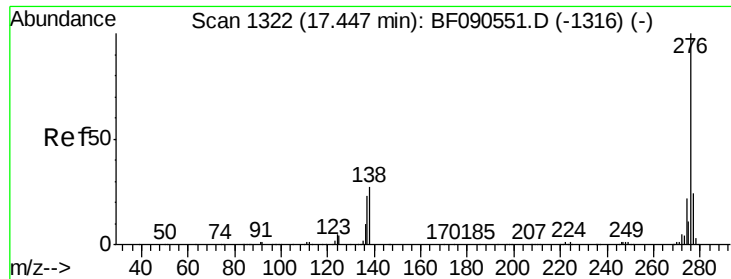
Sohil
10/20/2016 10:36:49 AM



#90
Dibenzo(a,h)anthracene
Concen: 35.50 ng
RT: 16.97 min Scan# 1280
Delta R.T. -0.00 min
Lab File: BF090648.D
Acq: 19 Oct 2016 15:31

Tgt Ion:278 Resp: 1004343
Ion Ratio Lower Upper
278 100
139 21.3 16.6 25.0
279 24.5 19.1 28.7





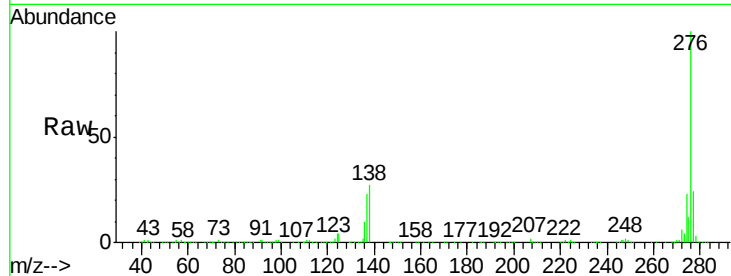
#91
 Benzo(a,h,i)perylene
 Concen: 33.41 ng
 RT: 17.39 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: BF090648.D
 Acq: 19 Oct 2016 15:31

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGSMSD

Tot Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	24.0	18.8	28.2
138	26.8	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 10/20/2016 10:36:49 AM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

