

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080715\
 Data File : BF080948.D
 Acq On : 8 Aug 2015 4:10
 Operator : TP/UM
 Sample : G3212-01MSD
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-5MSD

Manual Integrations
 APPROVED

MMDadoda
 8/10/2015 7:20:40 PM

Quant Time: Aug 08 04:42:11 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 08 01:33:05 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	47525	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	210107	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	97105	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	189452	20.00	ng	0.01
75) Chrysene-d12	13.96	240	139144	20.00	ng	0.00
86) Perylene-d12	15.37	264	130249	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	367784	126.44	ng	0.03
7) Phenol-d6	6.46	99	570168	143.05	ng	0.02
23) Nitrobenzene-d5	7.38	82	322242	72.55	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	130329	122.17	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	464973	67.41	ng	0.00
78) Terphenyl-d14	12.91	244	469905	69.76	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	2.38	88	49126	35.61	ng	95
3) Pyridine	3.09	79	115696	29.57	ng	95
4) n-Nitrosodimethylamine	3.04	42	74294	37.20	ng	96
6) Aniline	6.48	93	66889	11.42	ng	# 1
8) 2-Chlorophenol	6.60	128	123612	36.73	ng	99
9) Benzaldehyde	6.35	77	108723	40.47	ng	96
10) Phenol	6.48	94	175349	37.08	ng	93
11) bis(2-Chloroethyl)ether	6.54	93	113972	32.28	ng	92
12) 1,3-Dichlorobenzene	6.75	146	120913	33.85	ng	# 94
13) 1,4-Dichlorobenzene	6.83	146	134008	36.10	ng	96
14) 1,2-Dichlorobenzene	6.98	146	110536	32.94	ng	96
15) Benzyl Alcohol	6.97	79	190337	58.35	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.09	45	237372	33.41	ng	92
17) 2-Methylphenol	7.08	107	106990	37.24	ng	# 93
18) Hexachloroethane	7.32	117	45930	32.30	ng	97
19) n-Nitroso-di-n-propylamine	7.23	70	92647	31.80	ng	94
20) 3+4-Methylphenols	7.23	107	133769	37.06	ng	94
22) Acetophenone	7.22	105	223105	43.34	ng	# 89
24) Nitrobenzene	7.40	77	138212	30.22	ng	# 81
25) Isophorone	7.64	82	263713	30.87	ng	96
26) 2-Nitrophenol	7.71	139	53507	27.80	ng	# 83
27) 2,4-Dimethylphenol	7.76	122	108998	30.25	ng	92
28) bis(2-Chloroethoxy)methane	7.85	93	139086	27.12	ng	98
29) 2,4-Dichlorophenol	7.96	162	99569	33.63	ng	95
30) 1,2,4-Trichlorobenzene	8.04	180	143623	44.38	ng	97
31) Naphthalene	8.12	128	381721	32.96	ng	99
32) Benzoic acid	7.84	122	6369	2.95	ng	94
33) 4-Chloroaniline	8.17	127	35125	7.46	ng	96
34) Hexachlorobutadiene	8.24	225	56655	29.42	ng	99
35) Caprolactam	8.53	113	41913	39.35	ng	# 67
36) 4-Chloro-3-methylphenol	8.66	107	107486	29.75	ng	95
37) 2-Methylnaphthalene	8.81	142	208102	28.23	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.98	216	124169	41.48	ng	98
40) Hexachlorocyclopentadiene	8.97	237	36137	22.12	ng	98

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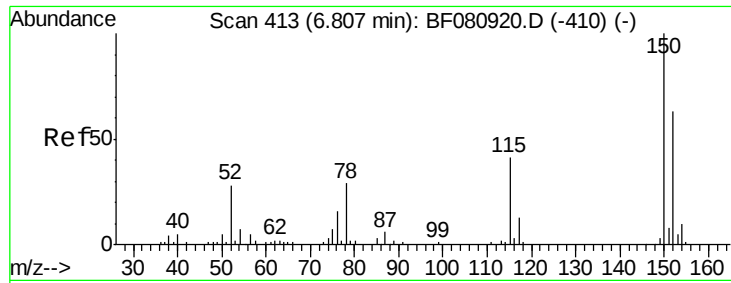
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.09	196	78239	35.66	nq	99
43) 2,4,5-Trichlorophenol	9.14	196	75870	34.32	nq	97
45) 1,1'-Biphenyl	9.28	154	346709	41.60	nq	99
46) 2-Chloronaphthalene	9.30	162	209612	32.26	nq	96
47) 2-Nitroaniline	9.39	65	80631	30.95	nq	90
48) Acenaphthylene	9.71	152	351404	31.11	nq	100
49) Dimethylphthalate	9.58	163	396533	49.16	nq	98
50) 2,6-Dinitrotoluene	9.64	165	60985	36.60	nq	# 56
51) Acenaphthene	9.88	154	201830	29.17	nq	99
52) 3-Nitroaniline	9.80	138	35992	17.52	nq	92
53) 2,4-Dinitrophenol	9.90	184	8151	13.57	nq	# 84
54) Dibenzofuran	10.05	168	306640	32.78	nq	99
55) 4-Nitrophenol	9.98	139	115221	74.92	nq	97
56) 2,4-Dinitrotoluene	10.04	165	82815	37.14	nq	# 65
57) Fluorene	10.40	166	258853	35.77	nq	100
58) 2,3,4,6-Tetrachlorophenol	10.18	232	59292	33.89	nq	95
59) Diethylphthalate	10.28	149	276780	32.96	nq	96
60) 4-Chlorophenyl-phenylether	10.40	204	112261	31.84	nq	# 73
61) 4-Nitroaniline	10.42	138	63169	29.88	nq	98
62) Azobenzene	10.54	77	319997	34.08	nq	98
64) 4,6-Dinitro-2-methylphenol	10.44	198	15330	13.06	nq	# 74
65) n-Nitrosodiphenylamine	10.51	169	233650	35.50	nq	100
66) 4-Bromophenyl-phenylether	10.88	248	62154	30.98	nq	90
67) Hexachlorobenzene	10.94	284	76055	34.09	nq	# 88
68) Atrazine	11.05	200	84971	44.03	nq	92
69) Pentachlorophenol	11.14	266	80827	62.31	nq	99
70) Phenanthrene	11.36	178	468809	43.70	nq	99
71) Anthracene	11.40	178	354729	33.40	nq	100
72) Carbazole	11.56	167	324217	31.35	nq	# 97
73) Di-n-butylphthalate	11.89	149	461146	35.67	nq	100
74) Fluoranthene	12.55	202	752300	64.87	nq	98
76) Benzidine	12.67	184	268640	52.48	nq	97
77) Pyrene	12.77	202	656093	63.83	nq	99
79) Butylbenzylphthalate	13.39	149	187521	37.84	nq	# 82
80) Benzo(a)anthracene	13.95	228	399108	45.41	nq	99
81) 3,3'-Dichlorobenzidine	13.92	252	192992	60.36	nq	# 97
82) Chrysene	13.99	228	343096	40.77	nq	99
83) Bis(2-ethylhexyl)phthalate	13.95	149	256030	37.13	nq	# 98
84) Di-n-octyl phthalate	14.56	149	370727	31.71	nq	# 98
85) Indeno(1,2,3-cd)pyrene	16.73	276	257915	32.20	nq	98
87) Benzo(b)fluoranthene	14.97	252	368122m	40.64	nq	
88) Benzo(k)fluoranthene	15.00	252	323579m	40.84	nq	
89) Benzo(a)pyrene	15.31	252	319462	41.04	nq	# 95
90) Dibenzo(a,h)anthracene	16.75	278	203976	29.63	nq	98
91) Benzo(g,h,i)perylene	17.14	276	198884	29.70	nq	97

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



#1

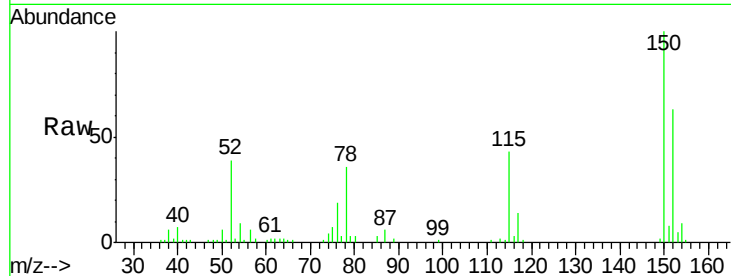
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. 0.00 min
Lab File: BF080948.D
Acq: 8 Aug 2015 4:10

Instrument :
BNA_F
ClientSampleId :
SOIL-5MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.7	127.4	191.2
115	69.0	52.6	78.8

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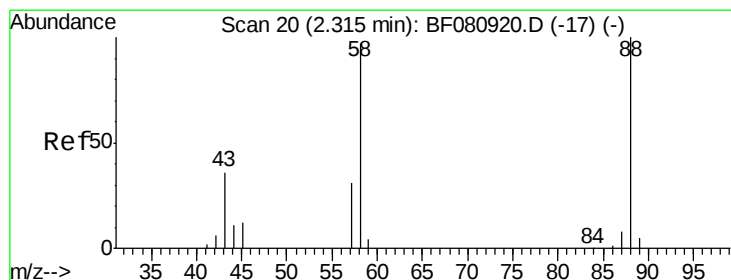
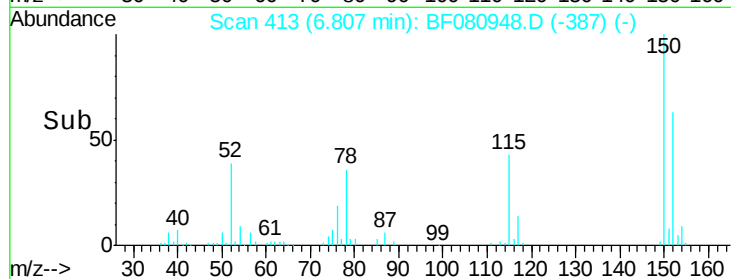
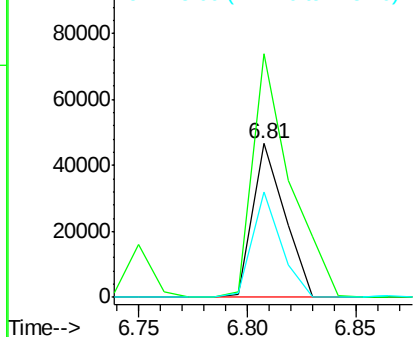


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

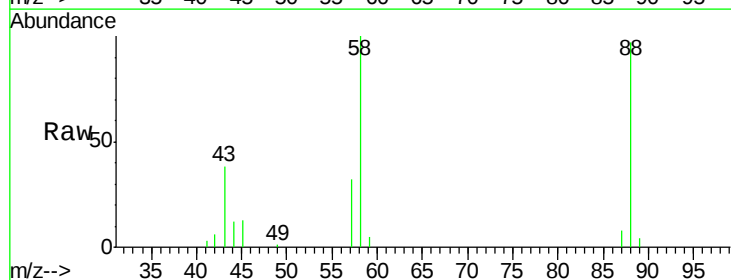
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 35.61 ng
RT: 2.38 min Scan# 26
Delta R.T. 0.07 min
Lab File: BF080948.D
Acq: 8 Aug 2015 4:10

Tgt Ion	Ratio	Lower	Upper
88	100		
58	103.0	79.3	118.9
43	40.7	28.3	42.5

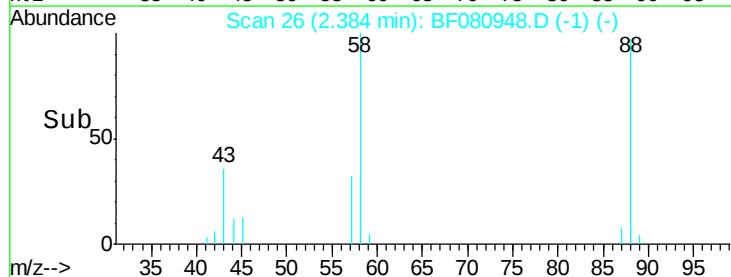
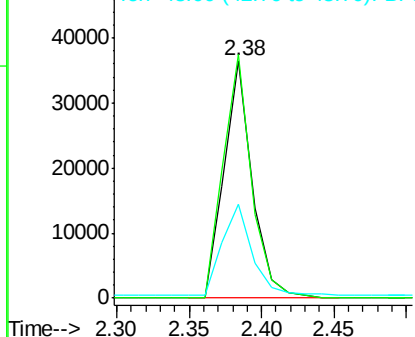


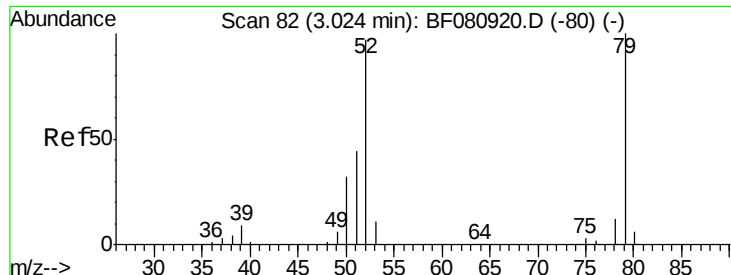
Abundance

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

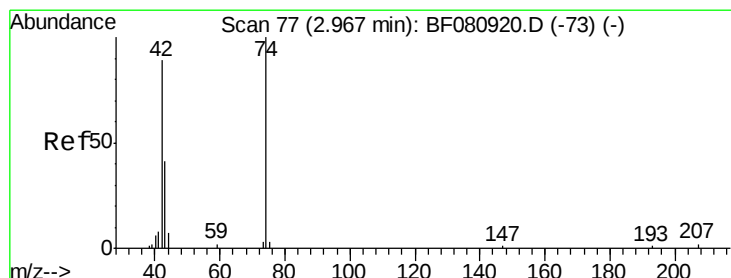
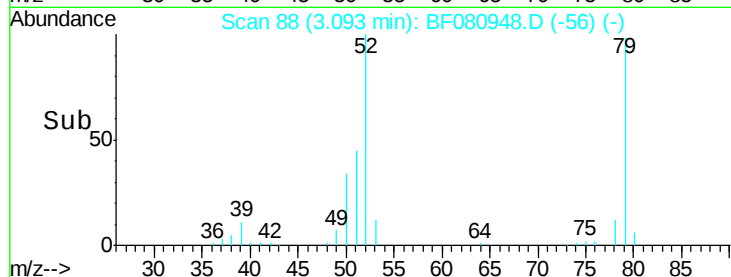
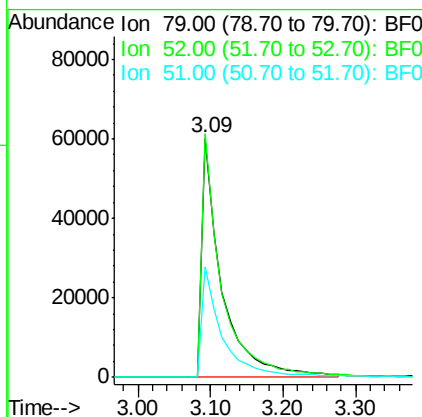
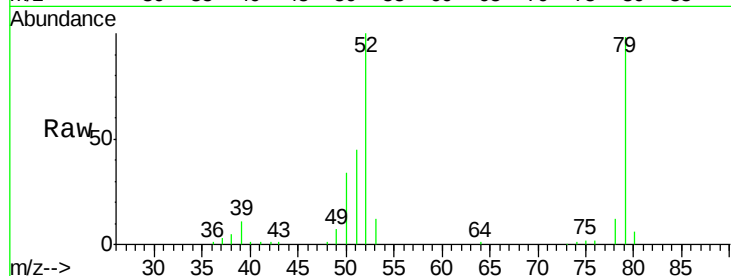
Pvridine
Concen: 29.57 ng
RT: 3.09 min Scan# 88
Delta R.T. 0.07 min
Lab File: BF080948.D
Acq: 8 Aug 2015 4:10

Instrument :
BNA_F
ClientSampleId :
SOIL-5MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	100				
52	102.1	77.2	115.8		
51	46.2	35.0	52.4		

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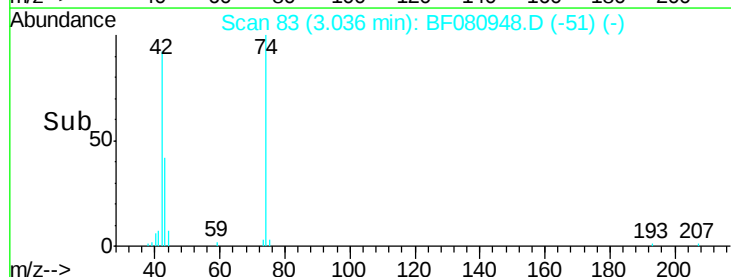
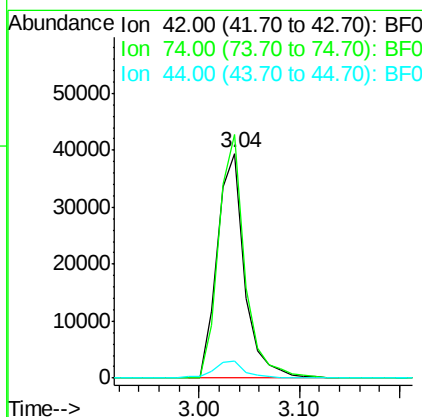
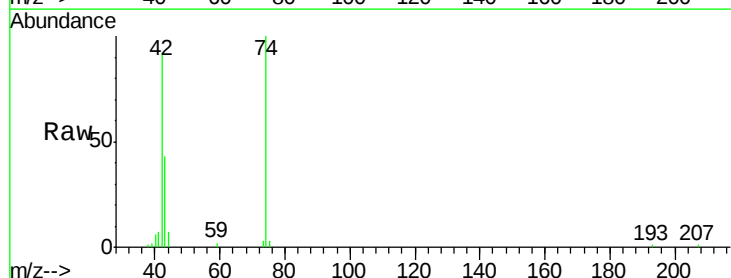
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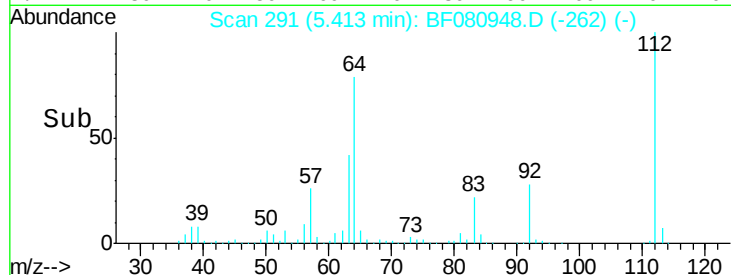
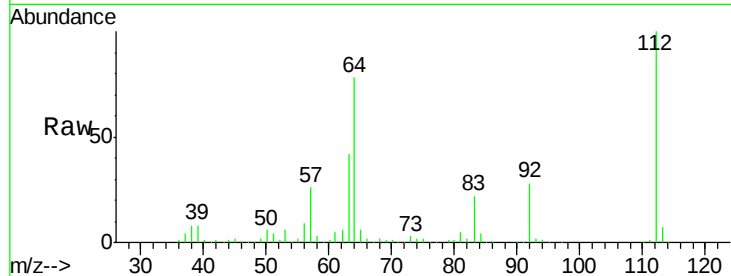
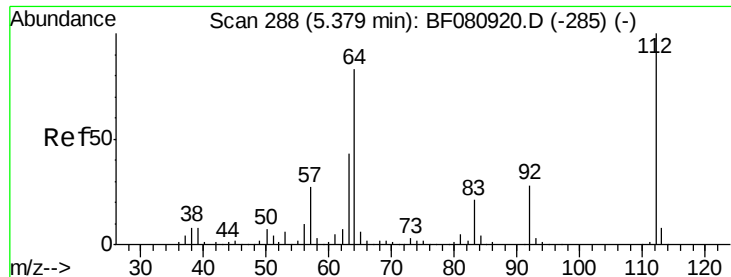


#4

n-Nitrosodimethylamine
Concen: 37.20 ng
RT: 3.04 min Scan# 83
Delta R.T. 0.07 min
Lab File: BF080948.D
Acq: 8 Aug 2015 4:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
42	100				
74	108.2	89.8	134.8		
44	7.8	6.5	9.7		





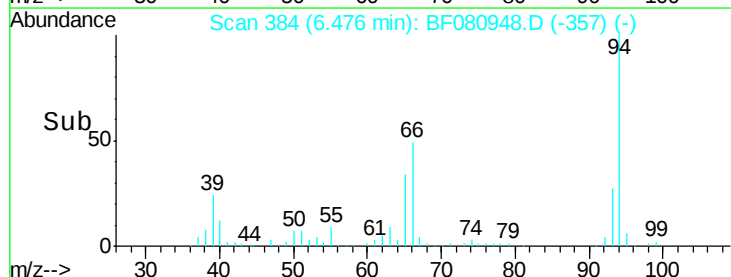
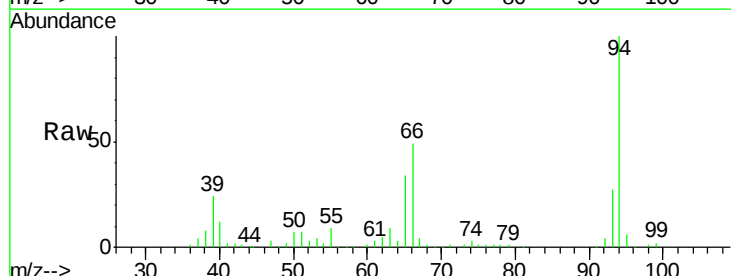
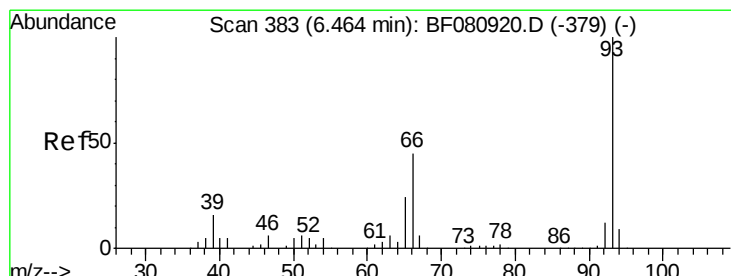
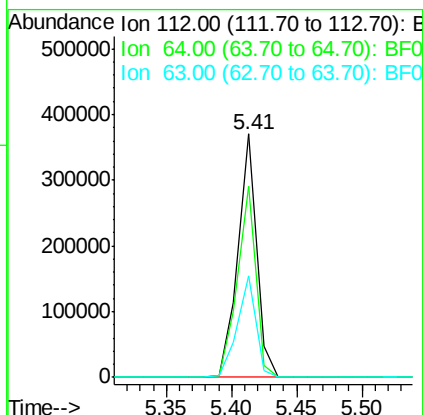
#5
2-Fluorophenol
Concen: 126.44 ng
RT: 5.41 min Scan# 291
Delta R.T. 0.03 min
Lab File: BF080948.D
Acq: 8 Aug 2015 4:10

Tot Ion	Ratio	Resp Lower	Upper
112	100		
64	78.4	66.1	99.1
63	41.9	34.6	52.0

Instrument :
BNA_F
ClientSampleId :
SOIL-5MSD

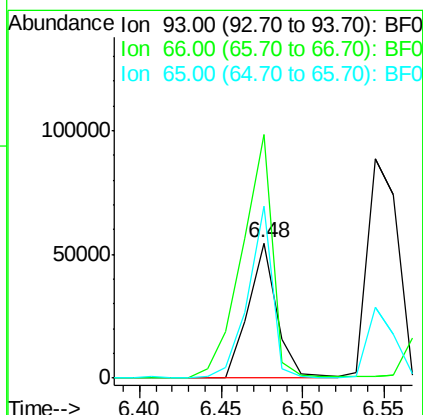
Manual Integrations
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#6
Aniline
Concen: 11.42 ng
RT: 6.48 min Scan# 384
Delta R.T. 0.01 min
Lab File: BF080948.D
Acq: 8 Aug 2015 4:10

Tgt Ion	Ratio	Resp Lower	Upper
93	100		
66	179.9	36.2	54.4#
65	126.7	19.0	28.4#





#7

Phenol-d6

Concen: 143.05 ng

RT: 6.46 min Scan# 383

Delta R.T. 0.02 min

Lab File: BF080948.D

Acq: 8 Aug 2015 4:10

Instrument :

BNA_F

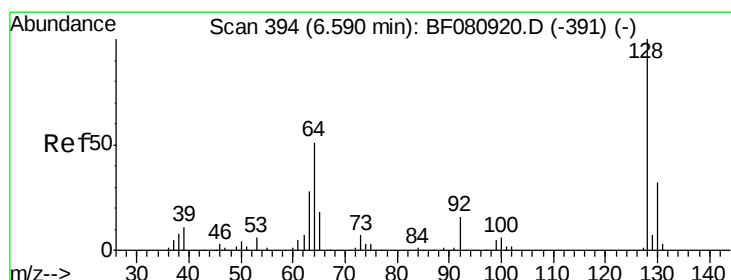
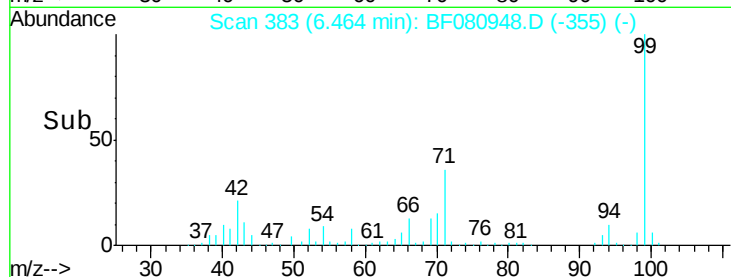
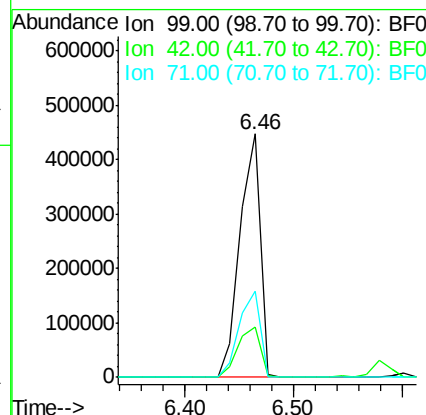
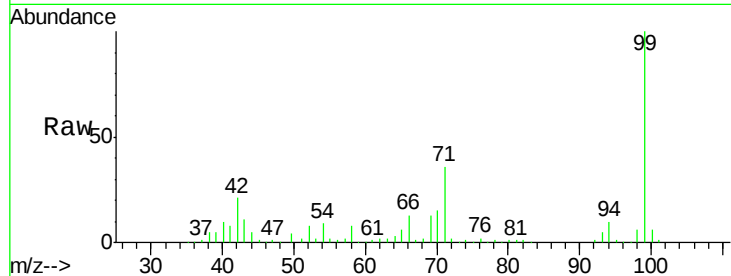
ClientSampleId :

SOIL-5MSD

Tot Ion:	99	Resp:	570168
Ion Ratio	Lower	Upper	
99	100		
42	20.6	14.4	21.6
71	35.6	25.8	38.8

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#8

2-Chlorophenol

Concen: 36.73 ng

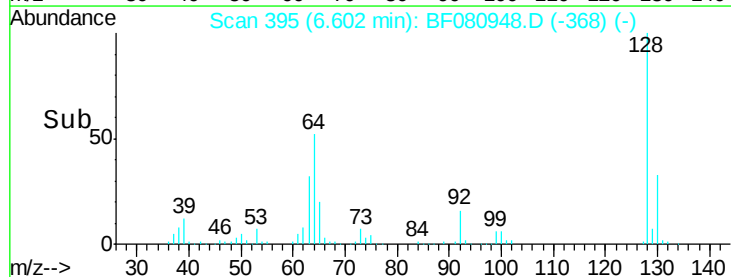
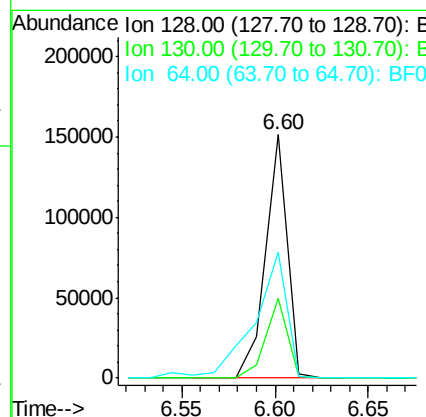
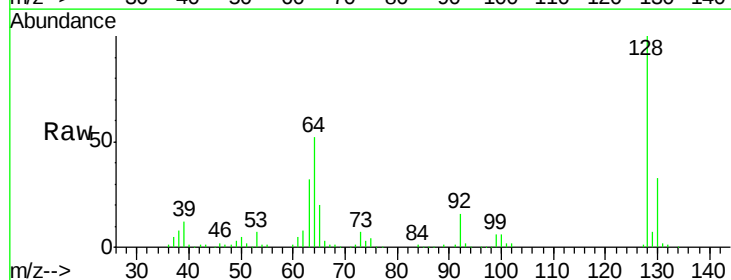
RT: 6.60 min Scan# 395

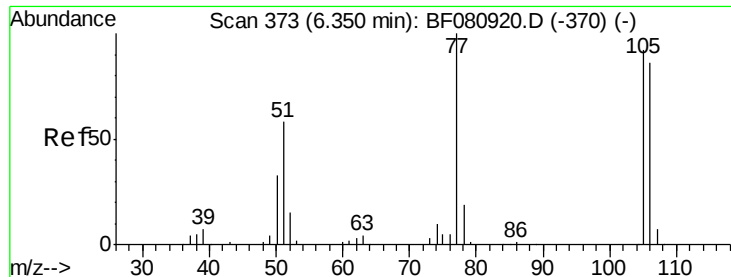
Delta R.T. 0.01 min

Lab File: BF080948.D

Acq: 8 Aug 2015 4:10

Tgt Ion:	128	Resp:	123612
Ion Ratio	Lower	Upper	
128	100		
130	32.6	12.4	52.4
64	51.6	32.1	72.1





#9

Benzaldehyde

Concen: 40.47 ng

RT: 6.35 min Scan# 373

Delta R.T. 0.00 min

Lab File: BF080948.D

Acq: 8 Aug 2015 4:10

Instrument :

BNA_F

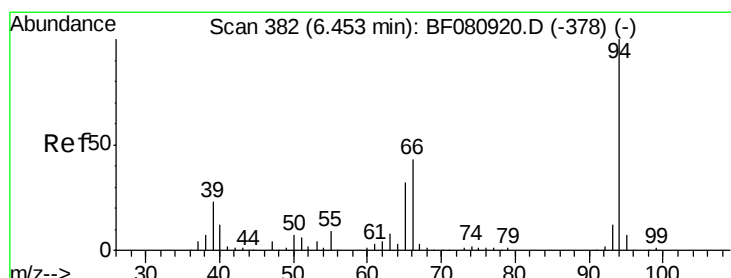
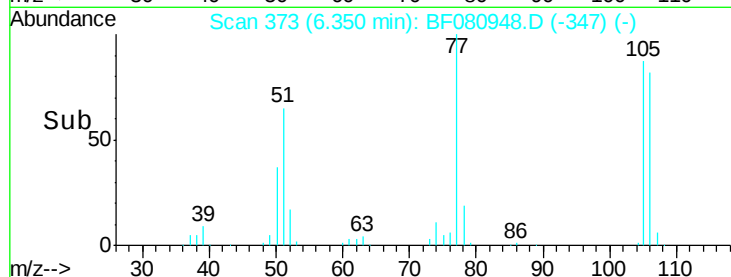
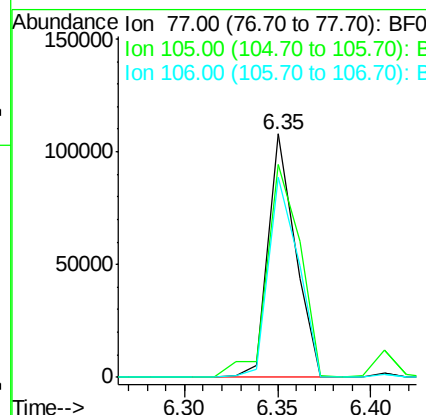
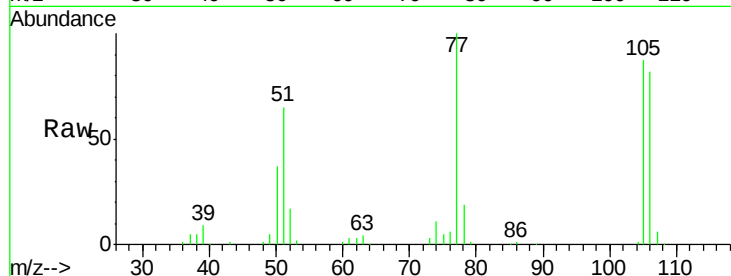
ClientSampleId :

SOIL-5MSD

Tot Ion:	77	Resp:	108723
Ion Ratio	Lower	Upper	
77	100		
105	87.3	71.6	111.6
106	82.1	65.7	105.7

Manual Integrations
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#10

Phenol

Concen: 37.08 ng

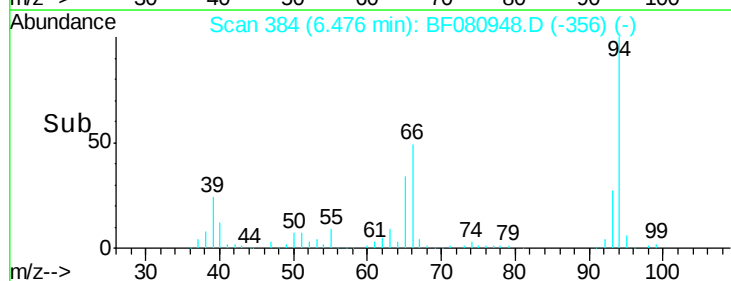
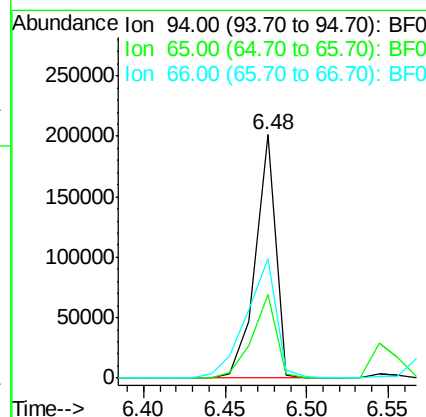
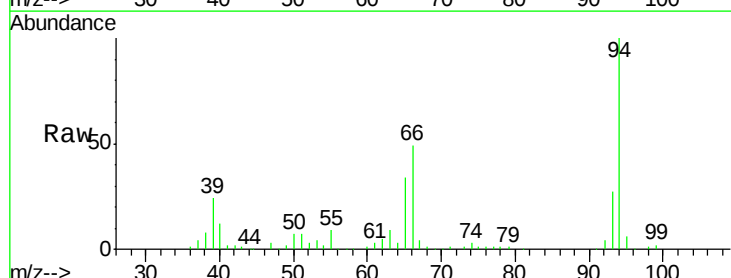
RT: 6.48 min Scan# 384

Delta R.T. 0.02 min

Lab File: BF080948.D

Acq: 8 Aug 2015 4:10

Tgt Ion:	94	Resp:	175349
Ion Ratio	Lower	Upper	
94	100		
65	34.4	11.8	51.8
66	48.8	22.9	62.9





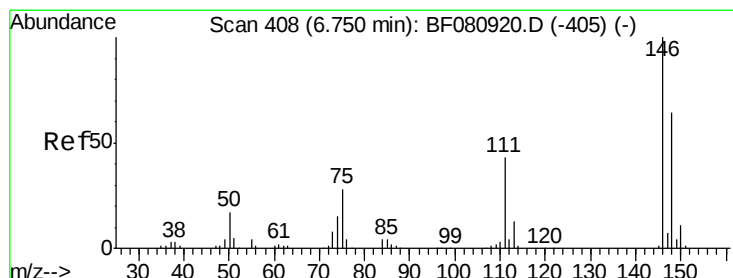
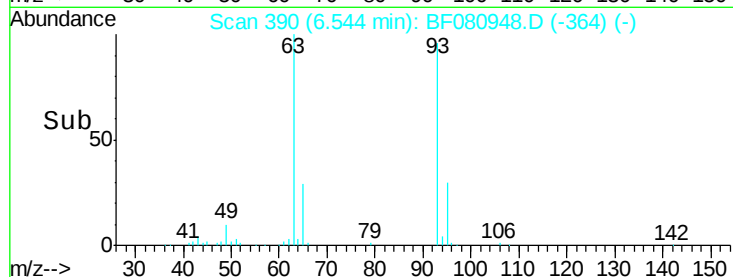
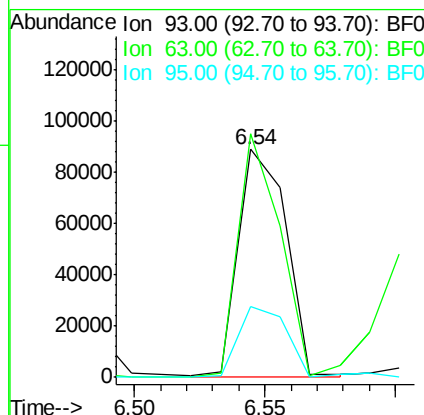
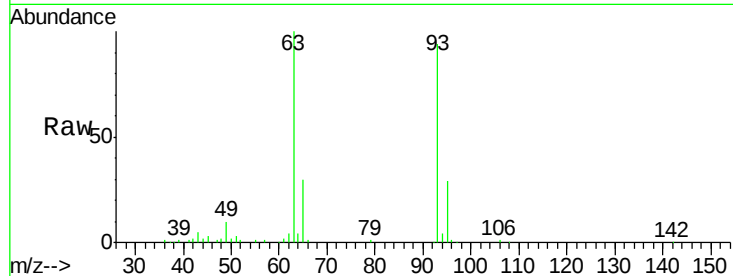
#11
bis(2-Chloroethyl)ether
Concen: 32.28 ng
RT: 6.54 min Scan# 390
Delta R.T. 0.00 min
Lab File: BF080948.D
Acq: 8 Aug 2015 4:10

Instrument :
BNA_F
ClientSampleId :
SOIL-5MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	106.9	76.7	116.7
95	31.4	12.3	52.3

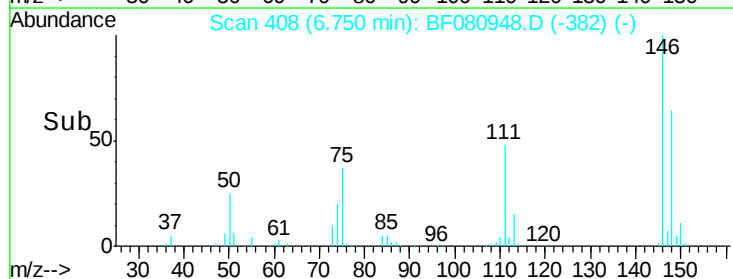
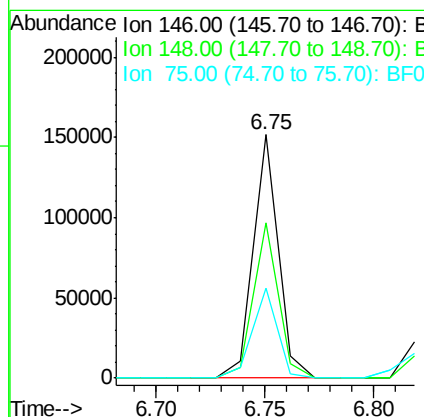
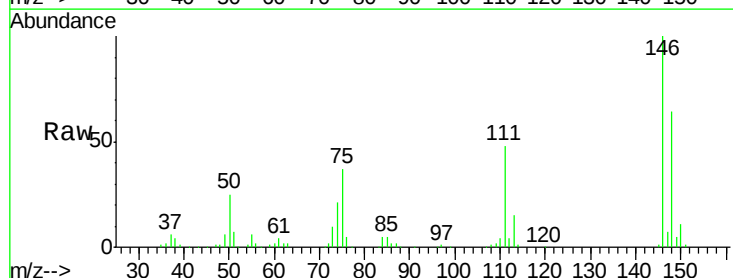
Manual Integrations
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#12
1,3-Dichlorobenzene
Concen: 33.85 ng
RT: 6.75 min Scan# 408
Delta R.T. 0.00 min
Lab File: BF080948.D
Acq: 8 Aug 2015 4:10

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.4	77.0
75	37.2	22.2	33.4





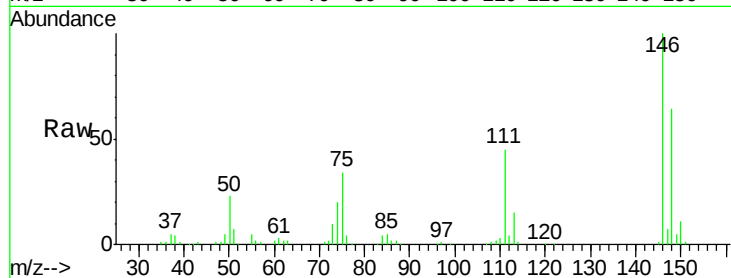
#13
 1,4-Dichlorobenzene
 Concen: 36.10 ng
 RT: 6.83 min Scan# 415
 Delta R.T. 0.00 min
 Lab File: BF080948.D
 Acq: 8 Aug 2015 4:10

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-5MSD

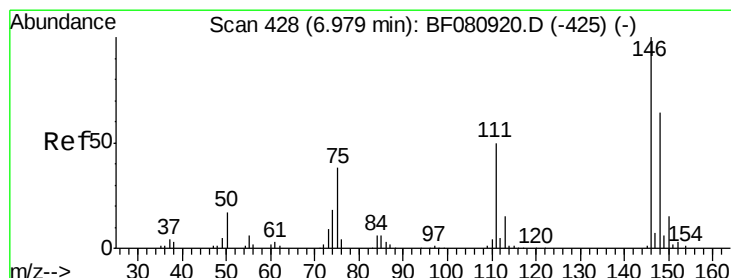
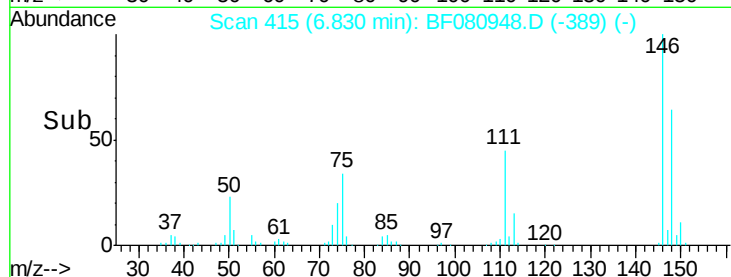
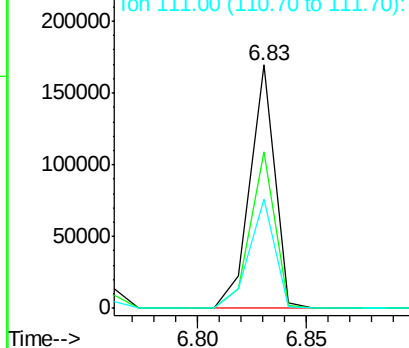
Tot Ion	Ratio	Lower	Upper
146	100		
148	64.2	52.2	78.4
111	45.0	31.5	47.3

Manual Integrations
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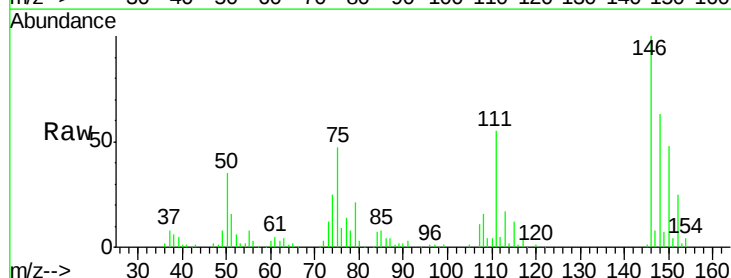


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

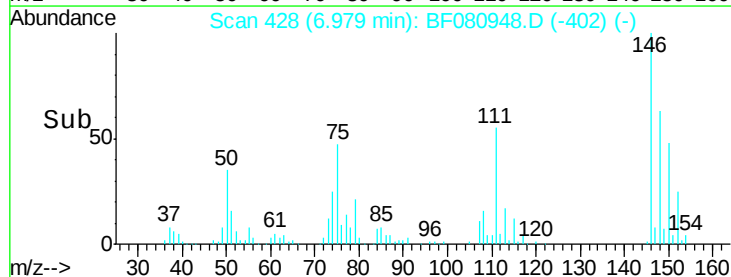
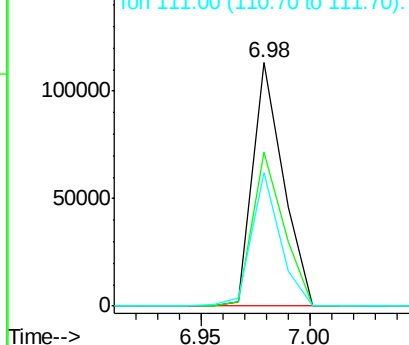


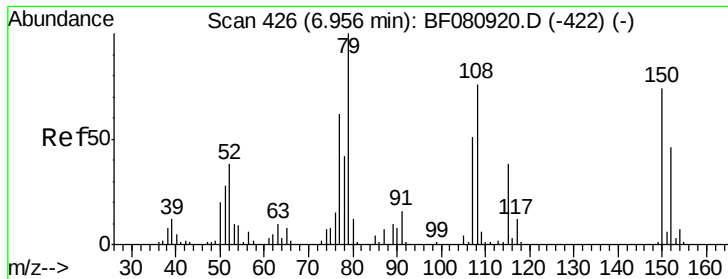
#14
 1,2-Dichlorobenzene
 Concen: 32.94 ng
 RT: 6.98 min Scan# 428
 Delta R.T. 0.00 min
 Lab File: BF080948.D
 Acq: 8 Aug 2015 4:10

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.2	51.1	76.7
111	54.9	40.0	60.0



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E





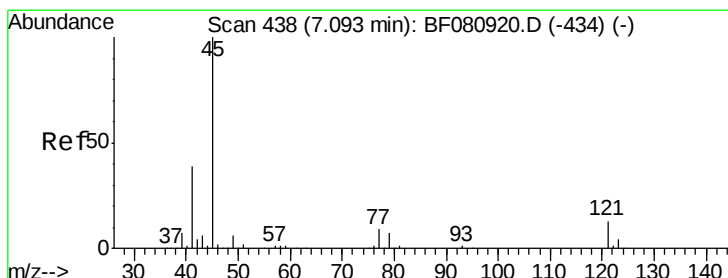
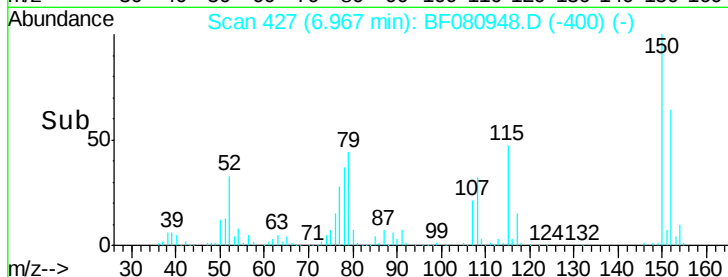
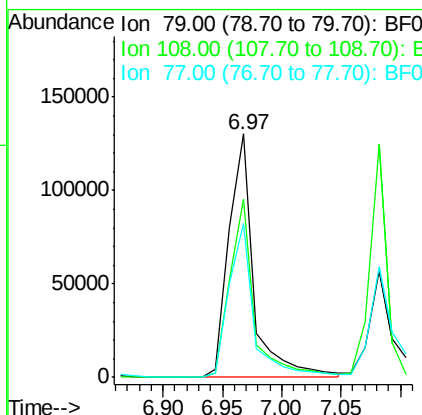
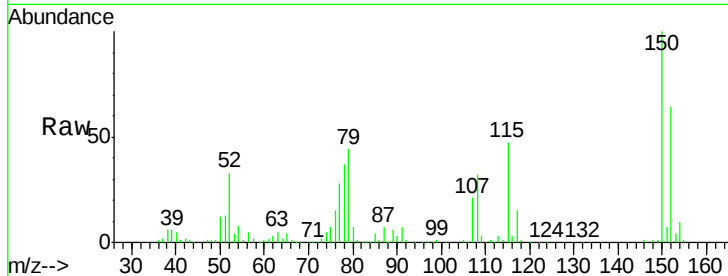
#15
Benzyl Alcohol
Concen: 58.35 ng
RT: 6.97 min Scan# 427
Delta R.T. 0.01 min
Lab File: BF080948.D
Acq: 8 Aug 2015 4:10

Instrument :
BNA_F
ClientSampleId :
SOIL-5MSD

Tot Ion	Ratio	Resp	Lower	Upper
79	100	190337		
108	73.1	60.9	91.3	
77	63.3	49.4	74.0	

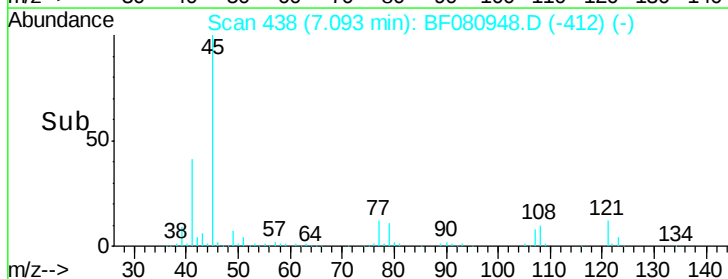
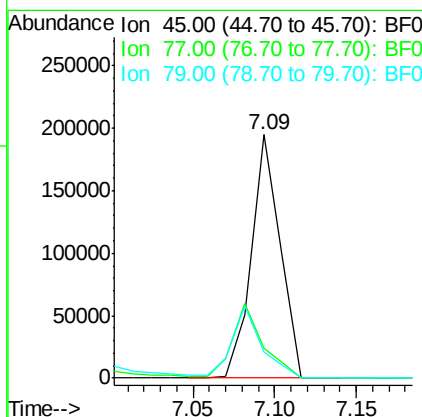
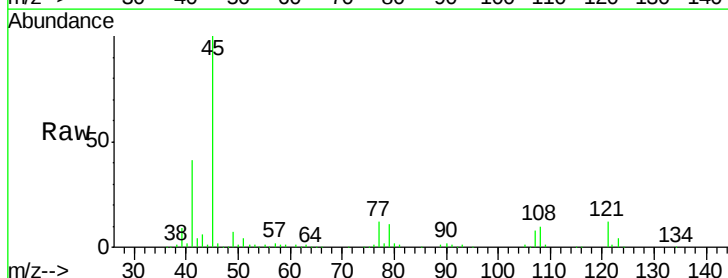
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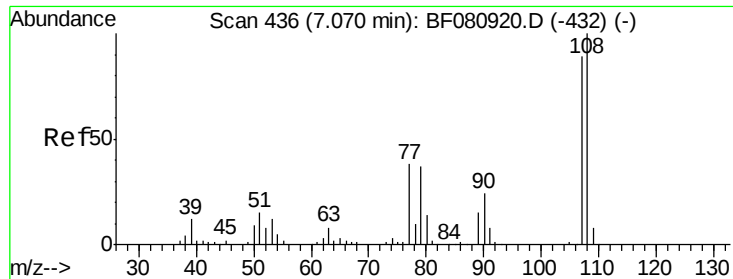
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 33.41 ng
RT: 7.09 min Scan# 438
Delta R.T. 0.00 min
Lab File: BF080948.D
Acq: 8 Aug 2015 4:10

Tgt Ion	Ratio	Resp	Lower	Upper
45	100	237372		
77	12.5	0.0	29.6	
79	10.6	0.0	27.7	





#17

2-Methylphenol

Concen: 37.24 ng

RT: 7.08 min Scan# 437

Delta R.T. 0.01 min

Lab File: BF080948.D

Acq: 8 Aug 2015 4:10

Instrument :

BNA_F

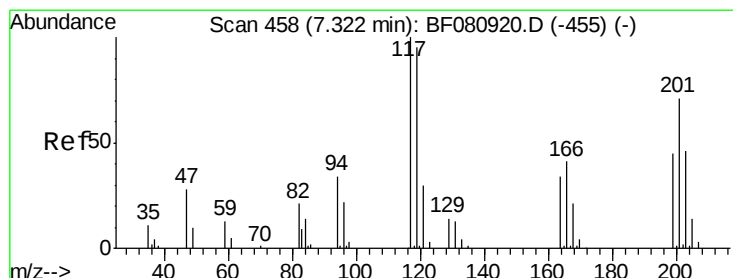
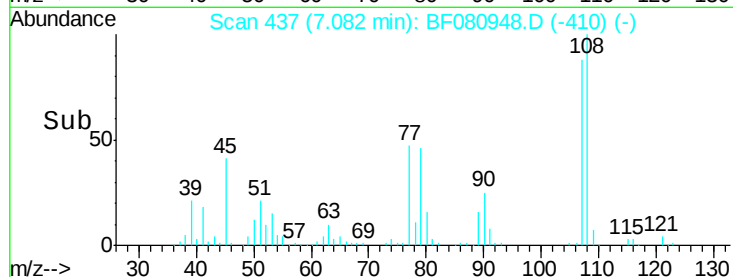
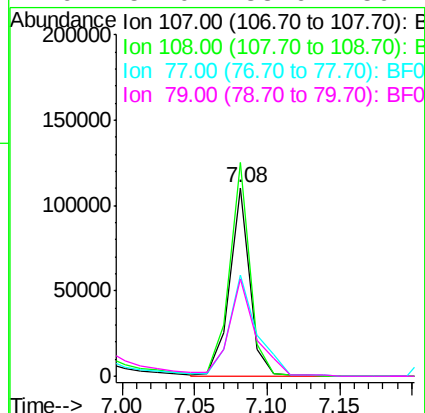
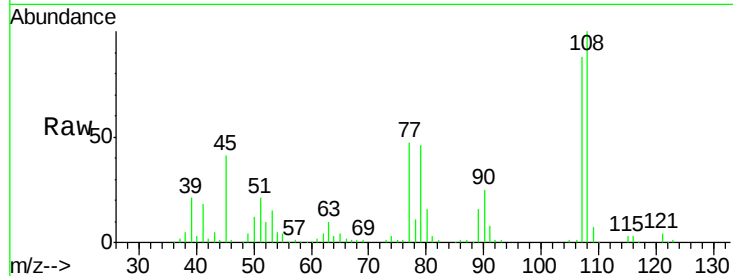
ClientSampled :

SOIL-5MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	113.4	90.3	135.5	
77	53.8	34.6	51.8	
79	52.0	33.6	50.4	

Manual Integrations
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#18

Hexachloroethane

Concen: 32.30 ng

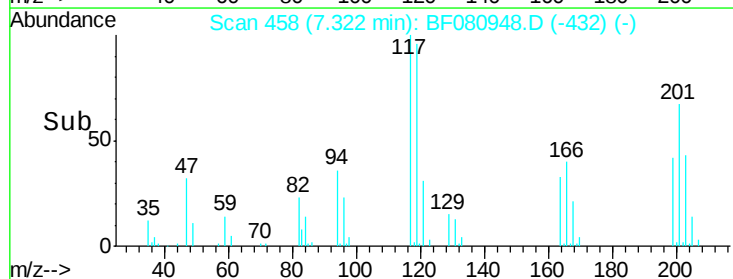
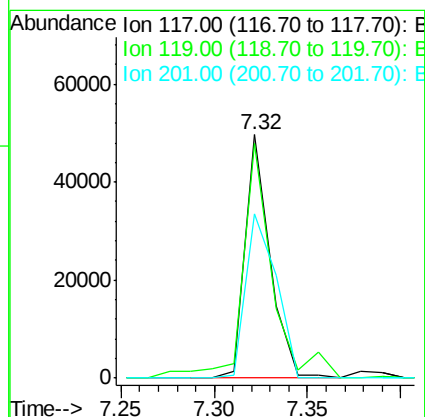
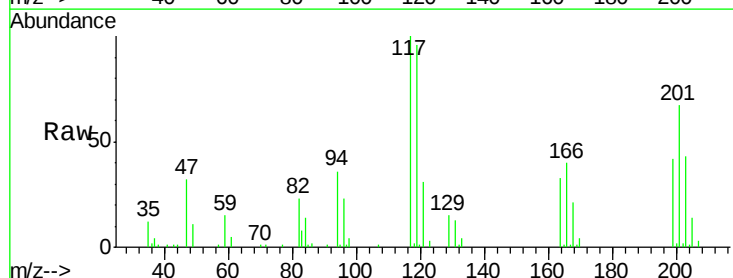
RT: 7.32 min Scan# 458

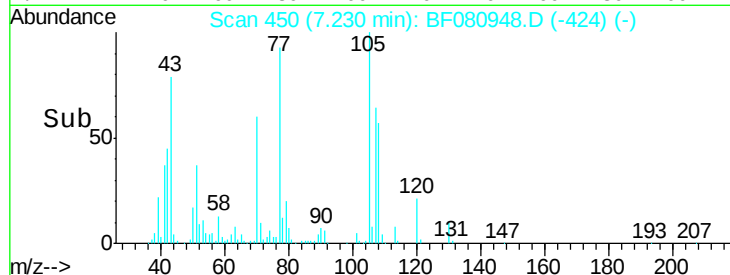
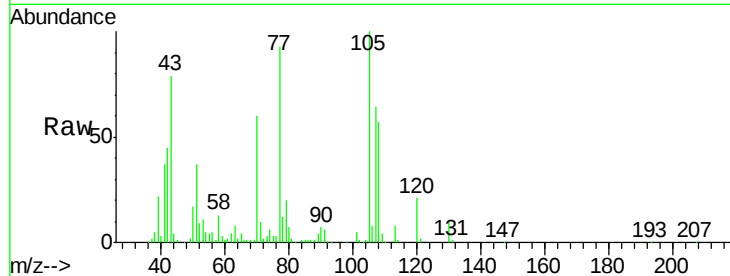
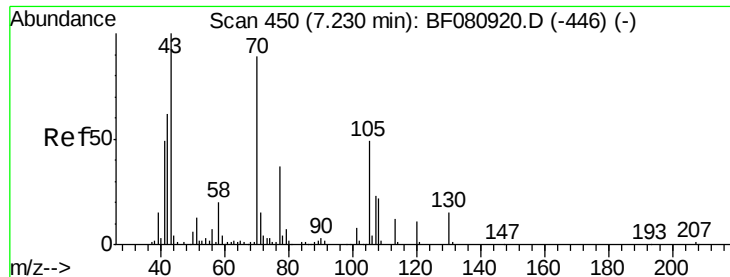
Delta R.T. 0.00 min

Lab File: BF080948.D

Acq: 8 Aug 2015 4:10

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.4	76.3	114.5	
201	67.4	57.0	85.6	





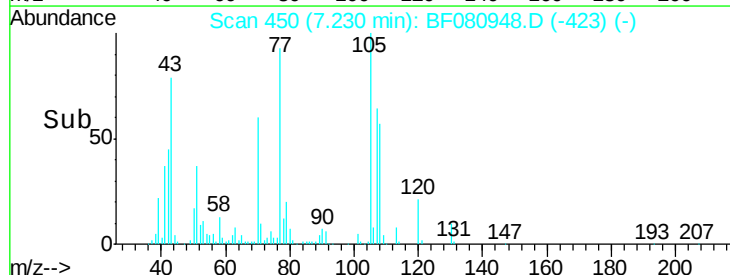
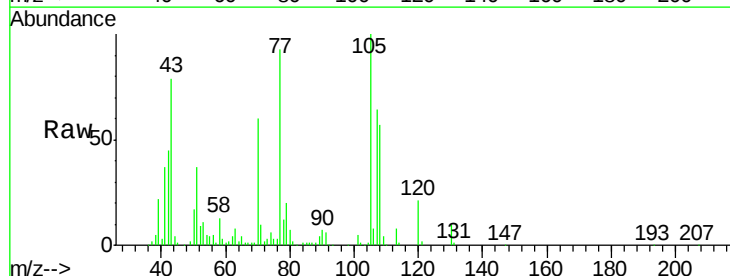
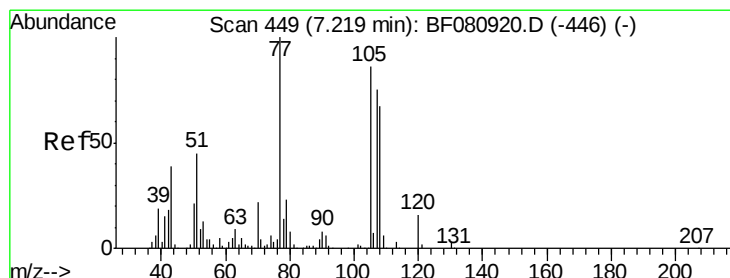
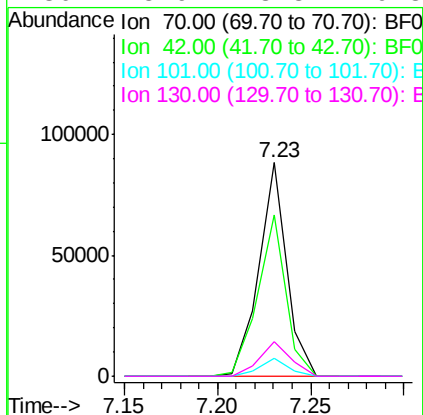
#19
n-Nitroso-di-n-propylamine
Concen: 31.80 ng
RT: 7.23 min Scan# 450
Delta R.T. 0.00 min
Lab File: BF080948.D
Acq: 8 Aug 2015 4:10

Instrument :
BNA_F
ClientSampleId :
SOIL-5MSD

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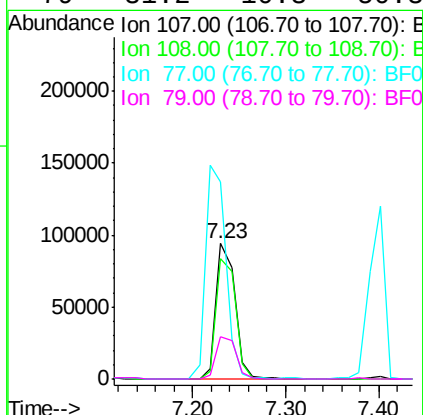
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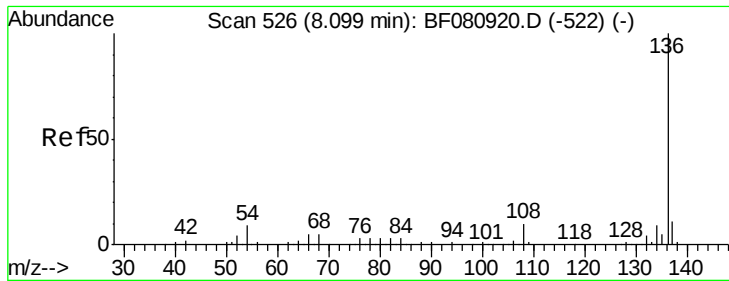
Tot Ion	Ratio	Lower	Upper
70	100		
42	75.7	55.7	83.5
101	8.2	7.0	10.6
130	15.9	13.8	20.8



#20
3+4-Methylphenols
Concen: 37.06 ng
RT: 7.23 min Scan# 450
Delta R.T. 0.01 min
Lab File: BF080948.D
Acq: 8 Aug 2015 4:10

Tgt Ion	Ratio	Lower	Upper
107	100		
108	88.4	69.2	109.2
77	144.9	113.0	153.0
79	31.2	10.3	50.3





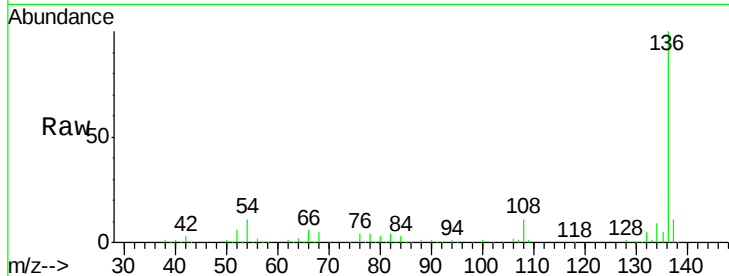
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 526
Delta R.T. 0.00 min
Lab File: BF080948.D
Acq: 8 Aug 2015 4:10

Instrument :
BNA_F
ClientSampleId :
SOIL-5MSD

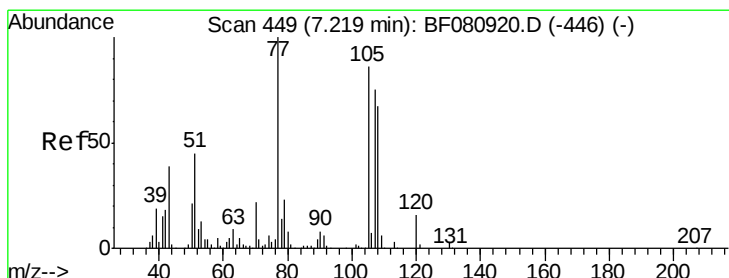
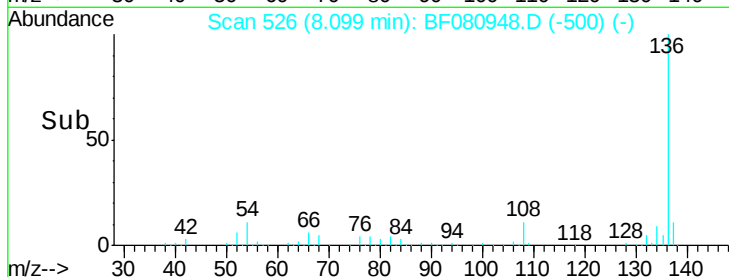
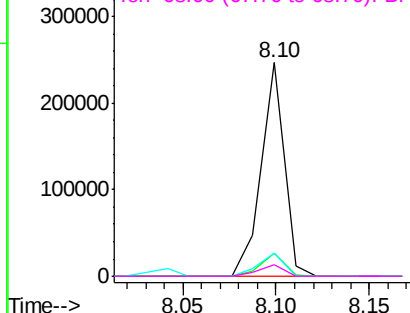
Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.6	8.5	12.7
54	10.6	7.1	10.7
68	5.2	3.8	5.8

Manual Integrations
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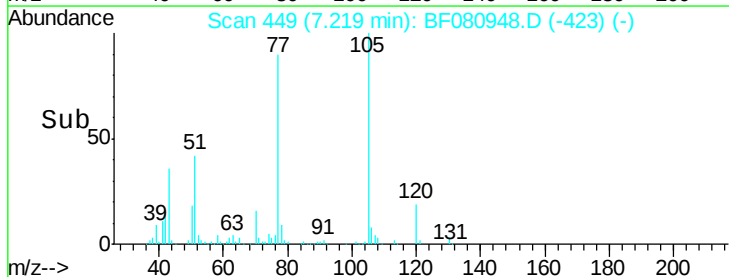
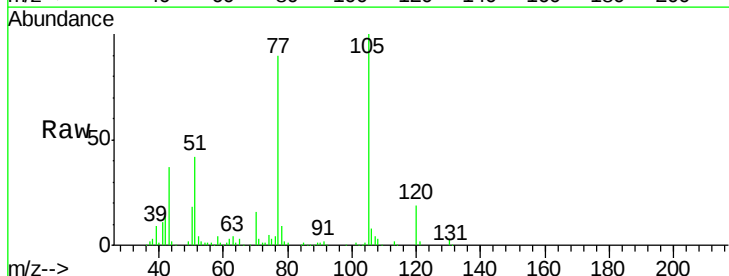
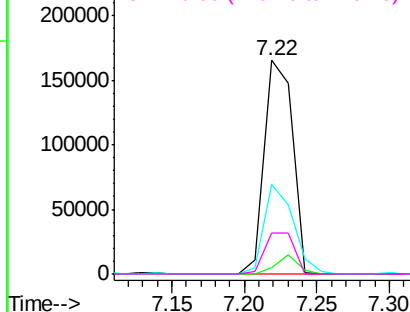
Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

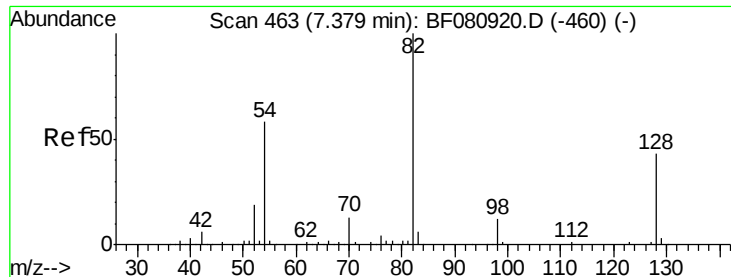


#22
Acetophenone
Concen: 43.34 ng
RT: 7.22 min Scan# 449
Delta R.T. 0.00 min
Lab File: BF080948.D
Acq: 8 Aug 2015 4:10

Tgt Ion	Ratio	Resp Lower	Upper
105	100		
71	2.8	3.3	4.9#
51	41.7	41.8	62.6#
120	19.5	15.1	22.7

Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF0
Ion 51.00 (50.70 to 51.70): BF0
Ion 120.00 (119.70 to 120.70): E





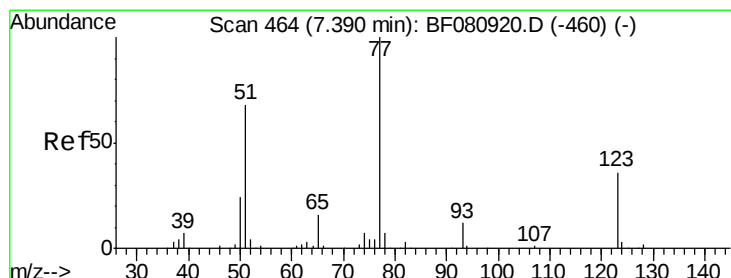
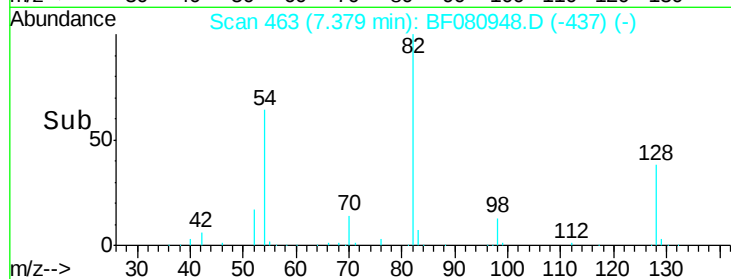
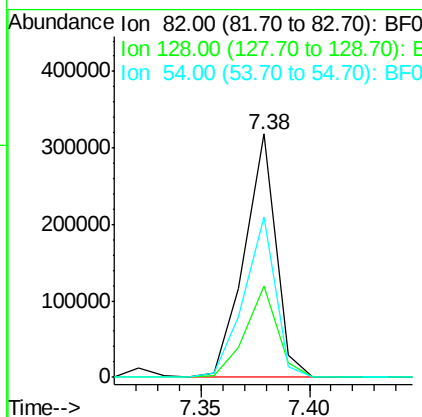
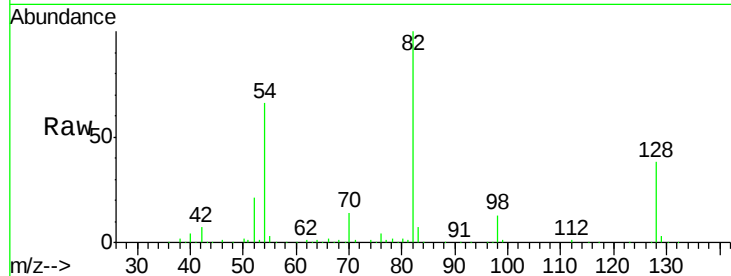
#23
Nitrobenzene-d5
Concen: 72.55 ng
RT: 7.38 min Scan# 463
Delta R.T. 0.00 min
Lab File: BF080948.D
Acq: 8 Aug 2015 4:10

Instrument :
BNA_F
ClientSampleId :
SOIL-5MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	37.6	34.1	51.1
54	66.1	46.5	69.7

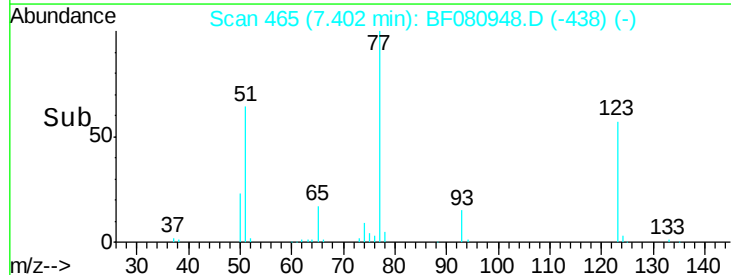
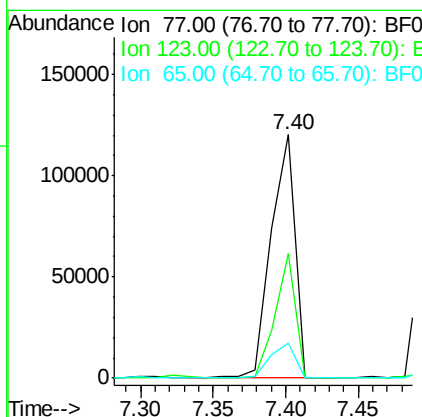
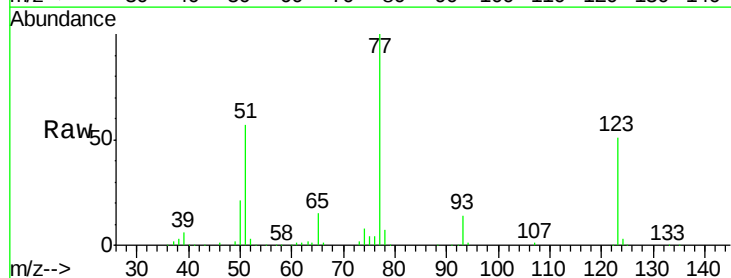
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#24
Nitrobenzene
Concen: 30.22 ng
RT: 7.40 min Scan# 465
Delta R.T. 0.01 min
Lab File: BF080948.D
Acq: 8 Aug 2015 4:10

Tgt Ion	Ratio	Lower	Upper
77	100		
123	51.3	28.7	43.1#
65	14.6	12.5	18.7





#25

Isophorone

Concen: 30.87 ng

RT: 7.64 min Scan# 486

Delta R.T. 0.00 min

Lab File: BF080948.D

Acq: 8 Aug 2015 4:10

Instrument :

BNA_F

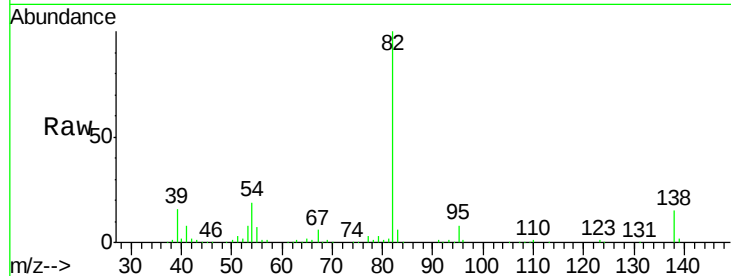
ClientSampleId :

SOIL-5MSD

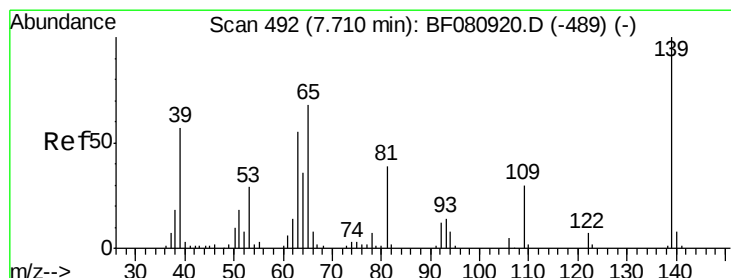
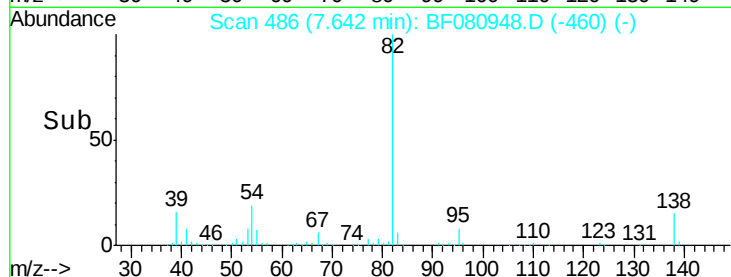
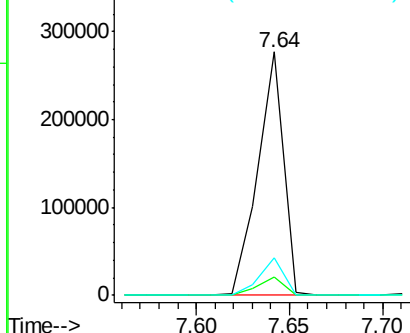
Tot Ion:	82	Resp:	263713
Ion Ratio	Lower	Upper	
82	100		
95	7.5	5.8	8.6
138	15.4	14.1	21.1

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Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 27.80 ng

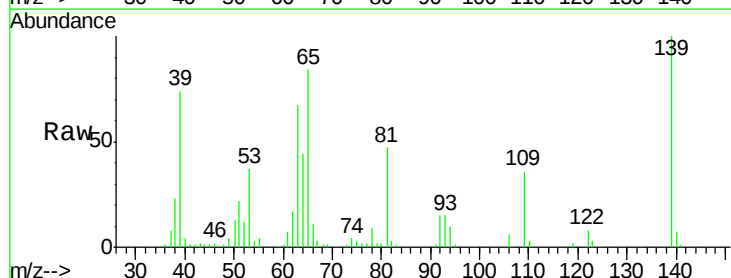
RT: 7.71 min Scan# 492

Delta R.T. 0.00 min

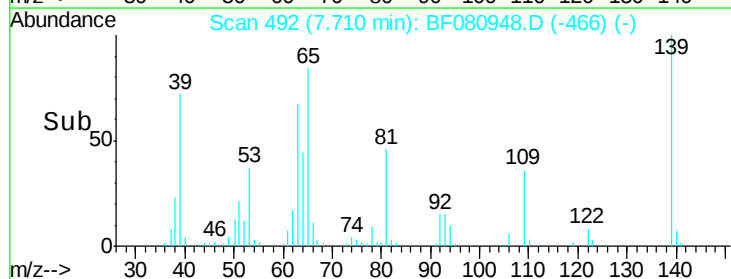
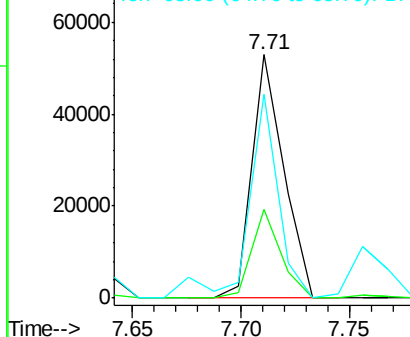
Lab File: BF080948.D

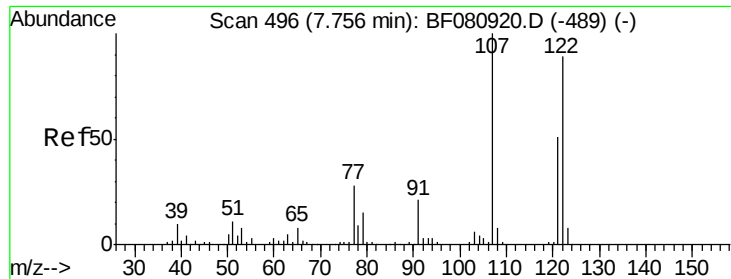
Acq: 8 Aug 2015 4:10

Tgt Ion:	139	Resp:	53507
Ion Ratio	Lower	Upper	
139	100		
109	36.2	24.1	36.1#
65	83.6	54.0	81.0#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0





#27

2,4-Dimethylphenol

Concen: 30.25 ng

RT: 7.76 min Scan# 496

Delta R.T. 0.00 min

Lab File: BF080948.D

Acq: 8 Aug 2015 4:10

Instrument :

BNA_F

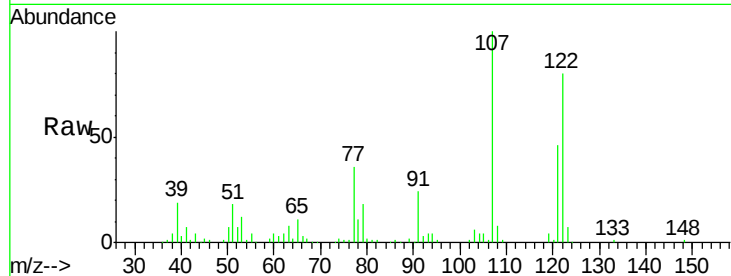
ClientSampleId :

SOIL-5MSD

Tot Ion:	122	Resp:	108998
Ion Ratio	Lower	Upper	
122	100		
107	124.8	90.2	135.4
121	57.9	46.0	69.0

Manual Integrations
APPROVED

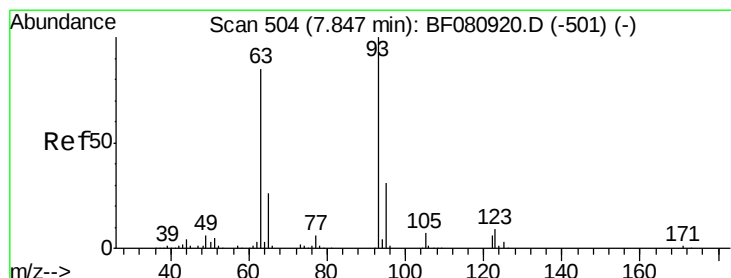
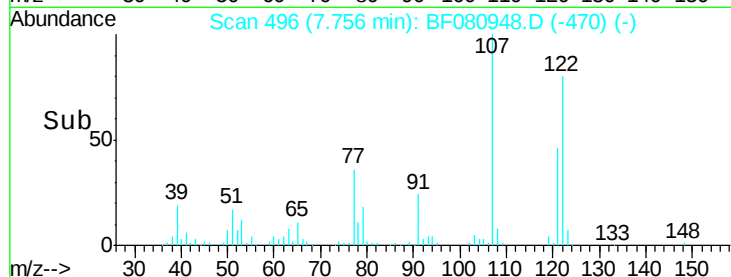
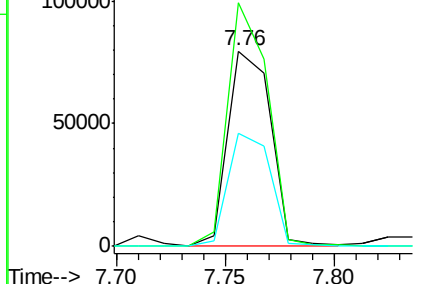
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Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 27.12 ng

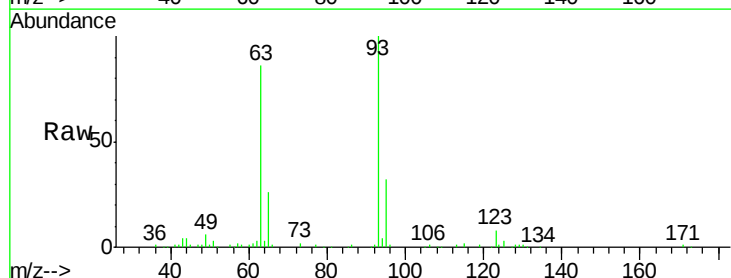
RT: 7.85 min Scan# 504

Delta R.T. 0.00 min

Lab File: BF080948.D

Acq: 8 Aug 2015 4:10

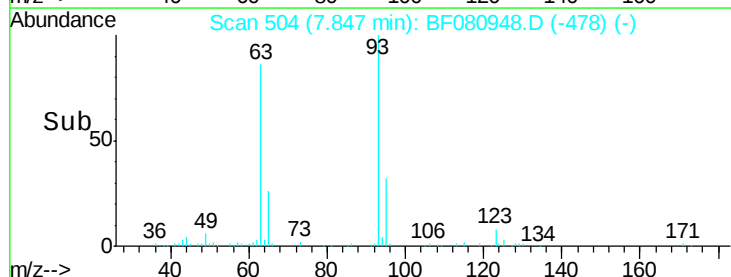
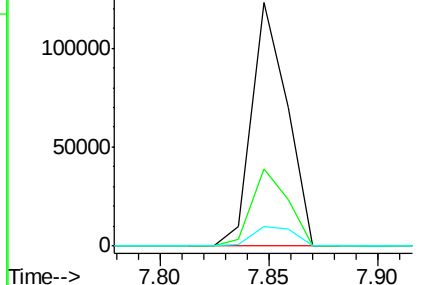
Tgt Ion:	93	Resp:	139086
Ion Ratio	Lower	Upper	
93	100		
95	31.8	25.0	37.4
123	8.2	7.4	11.0



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





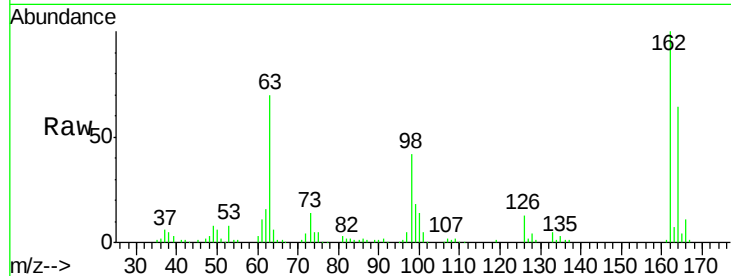
#29
 2,4-Dichlorophenol
 Concen: 33.63 ng
 RT: 7.96 min Scan# 514
 Delta R.T. 0.01 min
 Lab File: BF080948.D
 Acq: 8 Aug 2015 4:10

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-5MSD

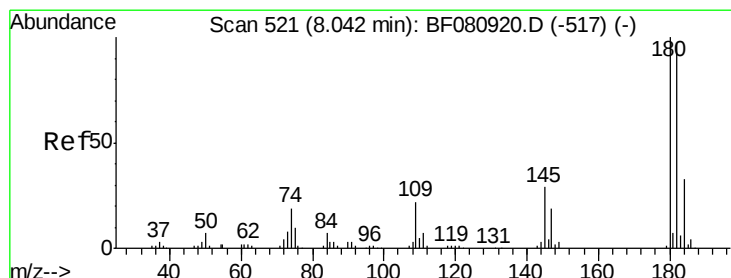
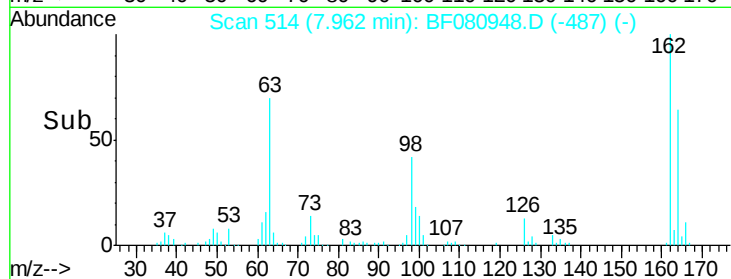
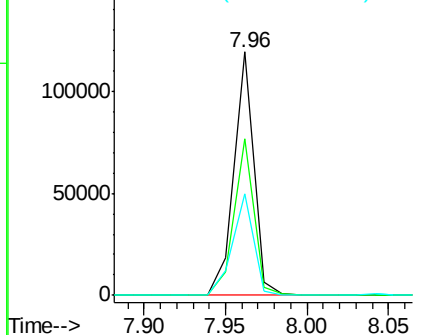
Tot Ion:	162	Resp:	99569
Ion Ratio	Lower	Upper	
162	100		
164	64.4	42.3	82.3
98	42.0	27.7	67.7

Manual Integrations
 APPROVED

MMDadoda
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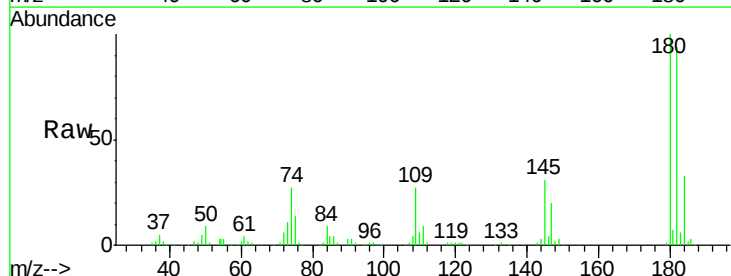


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

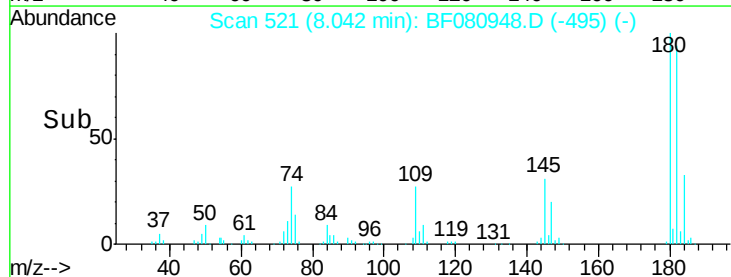
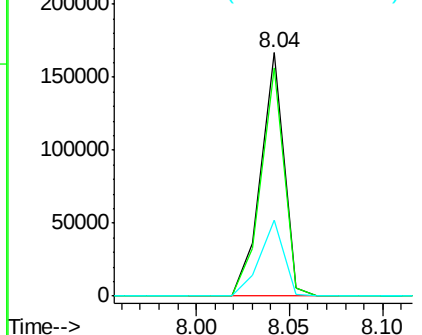


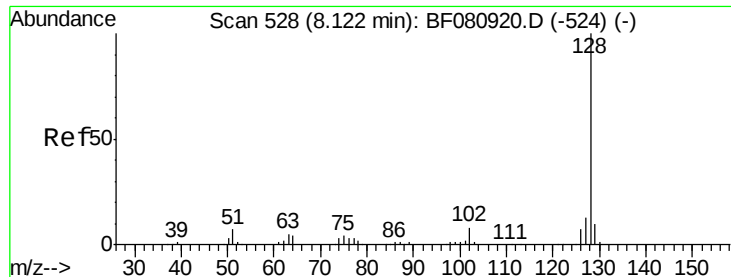
#30
 1,2,4-Trichlorobenzene
 Concen: 44.38 ng
 RT: 8.04 min Scan# 521
 Delta R.T. 0.00 min
 Lab File: BF080948.D
 Acq: 8 Aug 2015 4:10

Tgt Ion:	180	Resp:	143623
Ion Ratio	Lower	Upper	
180	100		
182	94.0	77.4	116.0
145	31.2	23.2	34.8



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E





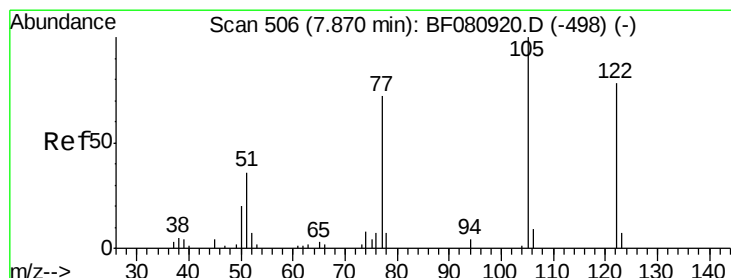
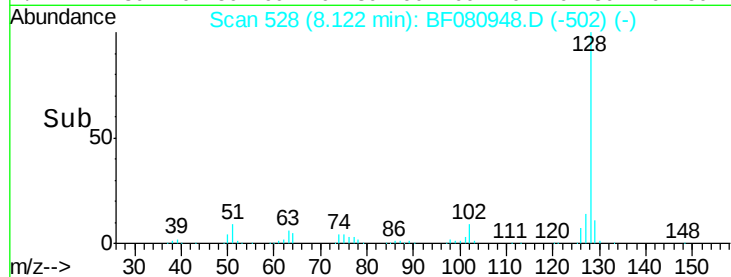
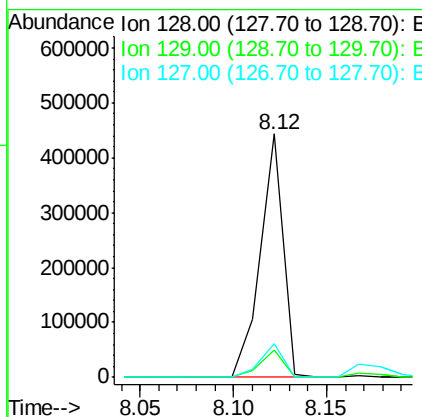
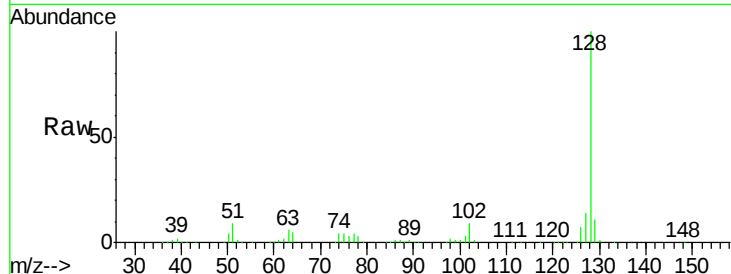
#31
Naphthalene
Concen: 32.96 ng
RT: 8.12 min Scan# 528
Delta R.T. 0.00 min
Lab File: BF080948.D
Acq: 8 Aug 2015 4:10

Instrument :
BNA_F
ClientSampleId :
SOIL-5MSD

Tot Ion:	128	Resp:	381721
Ion Ratio		Lower	Upper
128	100		
129	11.0	8.4	12.6
127	13.7	10.5	15.7

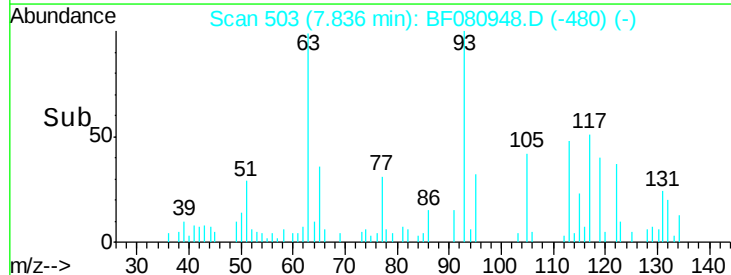
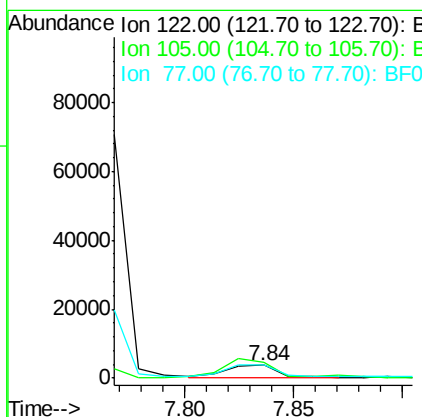
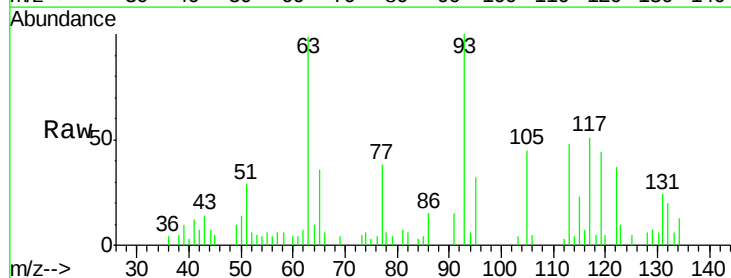
Manual Integrations
APPROVED

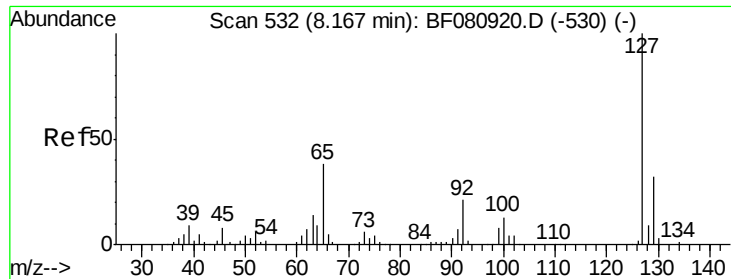
MMDadoda
8/10/2015 7:20:40 PM



#32
Benzoic acid
Concen: 2.95 ng
RT: 7.84 min Scan# 503
Delta R.T. -0.03 min
Lab File: BF080948.D
Acq: 8 Aug 2015 4:10

Tgt Ion:	122	Resp:	6369
Ion Ratio		Lower	Upper
122	100		
105	122.1	103.6	143.6
77	102.4	70.4	110.4





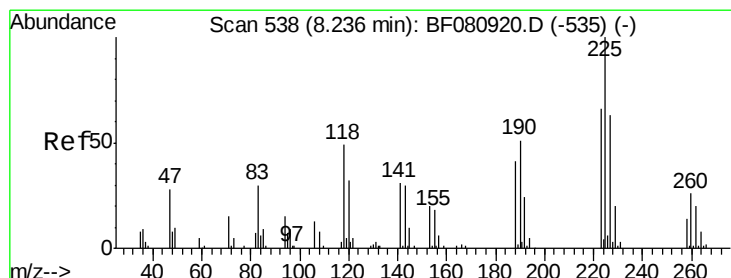
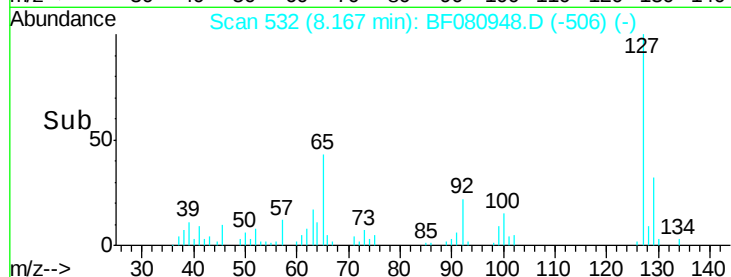
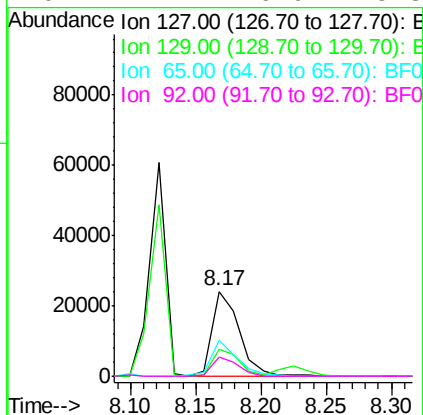
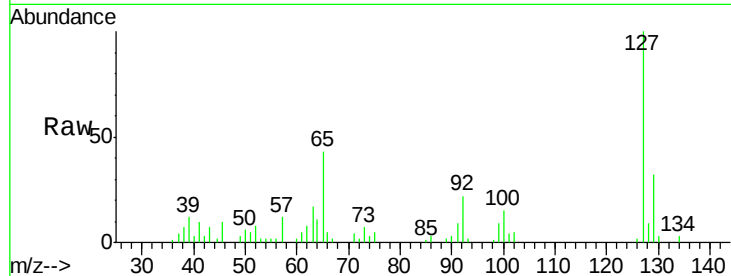
#33
4-Chloroaniline
Concen: 7.46 ng
RT: 8.17 min Scan# 532
Delta R.T. 0.00 min
Lab File: BF080948.D
Acq: 8 Aug 2015 4:10

Instrument :
BNA_F
ClientSampleId :
SOIL-5MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.1		25.9	38.9	
65	43.0		30.6	45.8	
92	22.1		16.9	25.3	

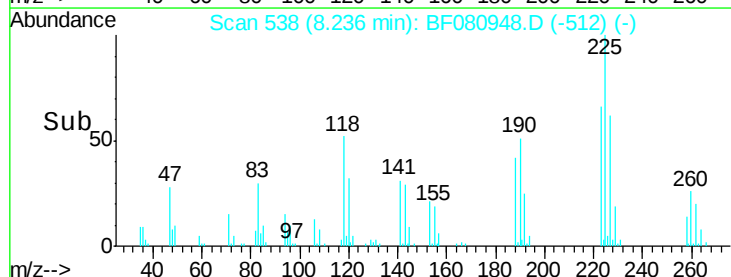
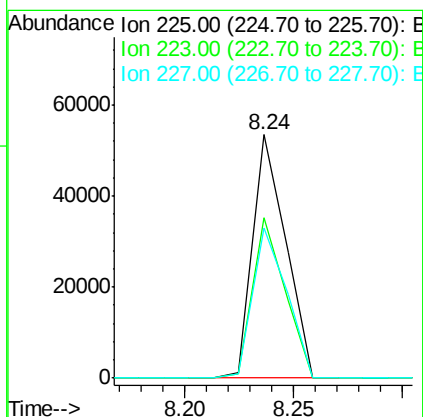
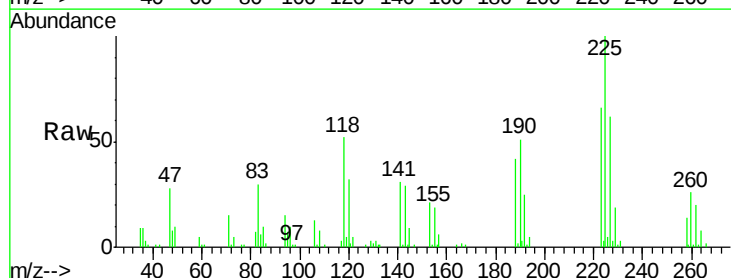
Manual Integrations
APPROVED

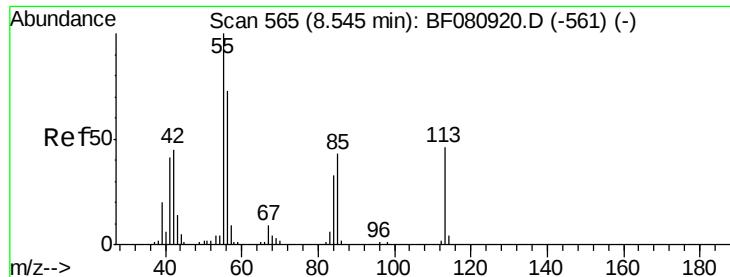
MMDadoda
8/10/2015 7:20:40 PM



#34
Hexachlorobutadiene
Concen: 29.42 ng
RT: 8.24 min Scan# 538
Delta R.T. 0.00 min
Lab File: BF080948.D
Acq: 8 Aug 2015 4:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	65.7		52.5	78.7	
227	61.7		50.3	75.5	





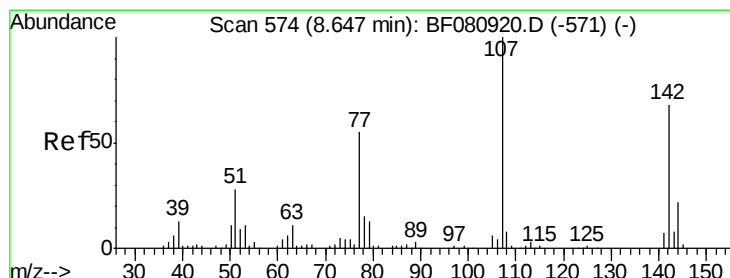
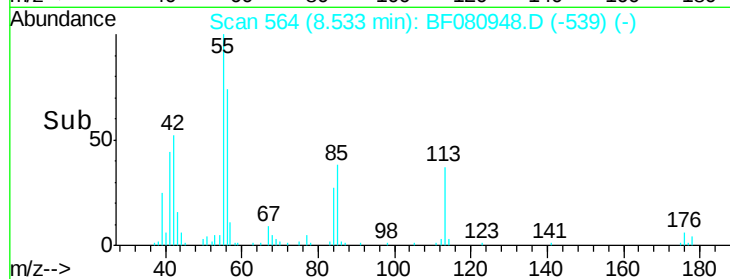
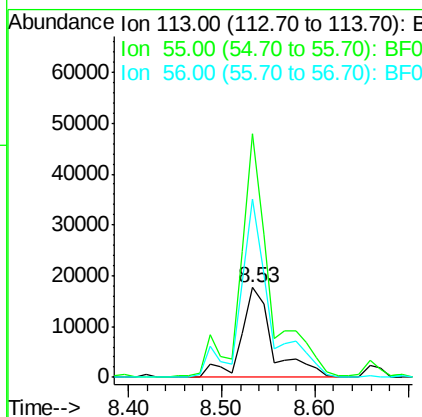
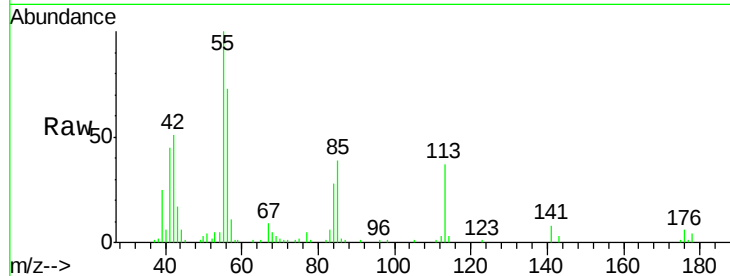
#35
Caprolactam
Concen: 39.35 ng
RT: 8.53 min Scan# 564
Delta R.T. -0.01 min
Lab File: BF080948.D
Acq: 8 Aug 2015 4:10

Instrument :
BNA_F
ClientSampleId :
SOIL-5MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
113	100				
55	271.7	196.4	236.4#		
56	198.9	137.9	177.9#		

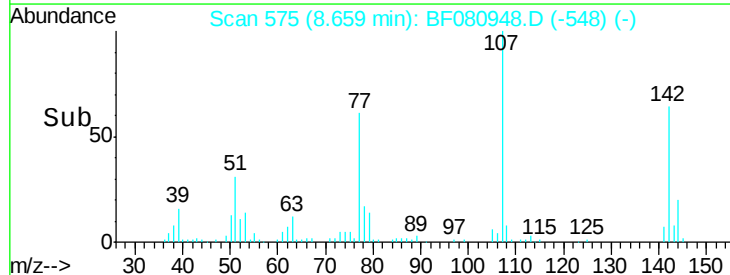
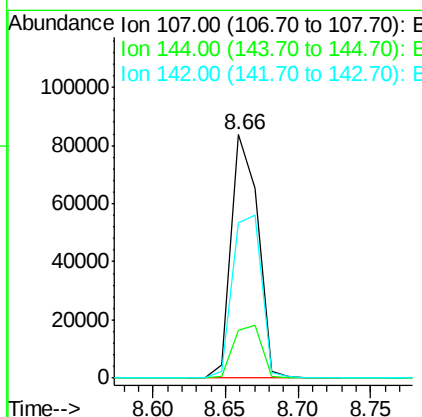
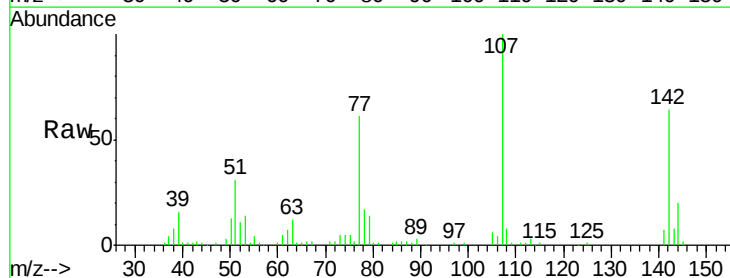
Manual Integrations
APPROVED

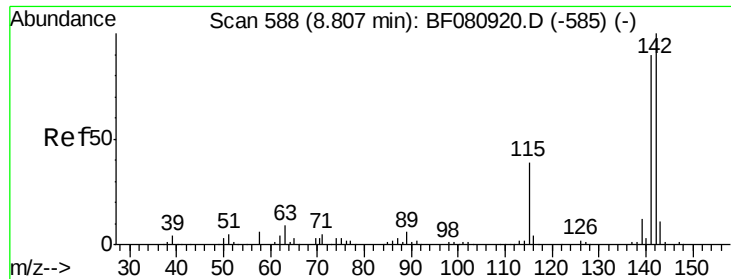
MMDadoda
8/10/2015 7:20:40 PM



#36
4-Chloro-3-methylphenol
Concen: 29.75 ng
RT: 8.66 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF080948.D
Acq: 8 Aug 2015 4:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
144	19.6	17.3	25.9		
142	63.9	54.4	81.6		





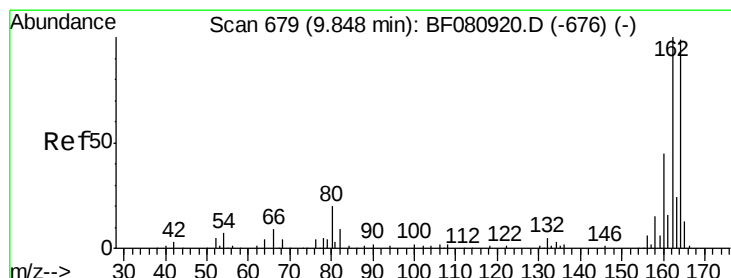
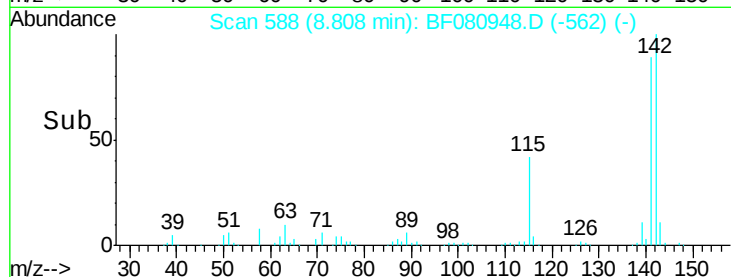
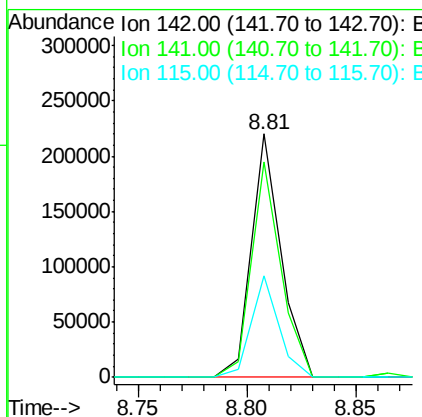
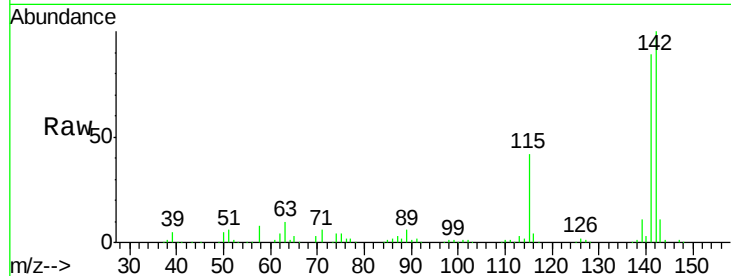
#37
2-Methylnaphthalene
Concen: 28.23 ng
RT: 8.81 min Scan# 588
Delta R.T. 0.00 min
Lab File: BF080948.D
Acq: 8 Aug 2015 4:10

Instrument :
BNA_F
ClientSampleId :
SOIL-5MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.8	71.7	107.5
115	41.7	30.9	46.3

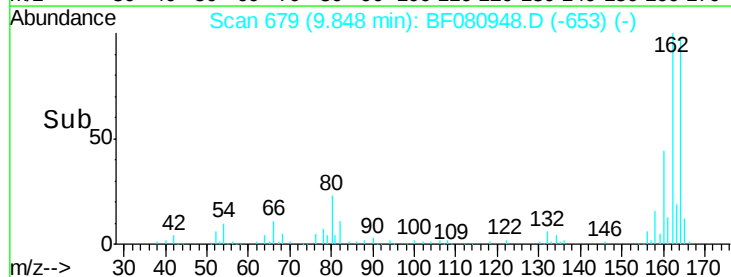
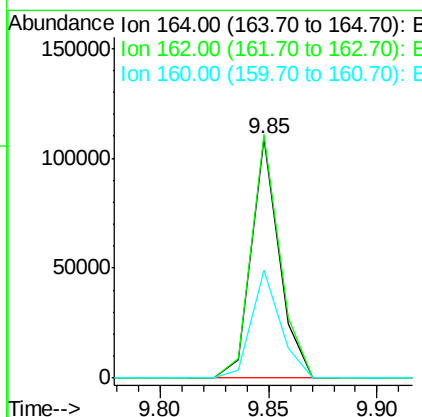
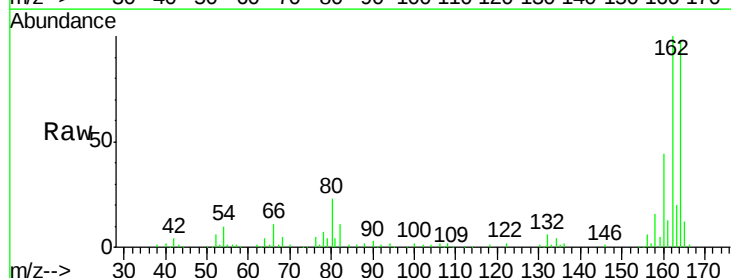
Manual Integrations
APPROVED

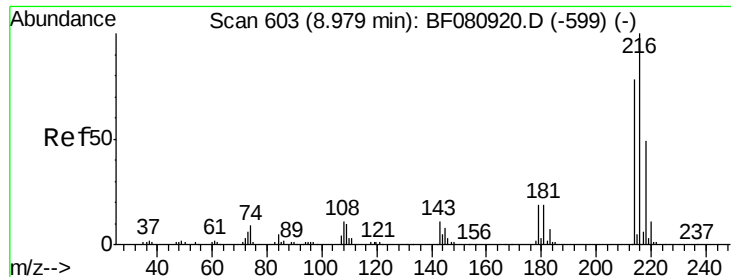
MMDadoda
8/10/2015 7:20:40 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 679
Delta R.T. 0.00 min
Lab File: BF080948.D
Acq: 8 Aug 2015 4:10

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.7	80.5	120.7
160	44.9	36.6	54.8





#39

1,2,4,5-Tetrachlorobenzene

Concen: 41.48 ng

RT: 8.98 min Scan# 603

Delta R.T. 0.00 min

Lab File: BF080948.D

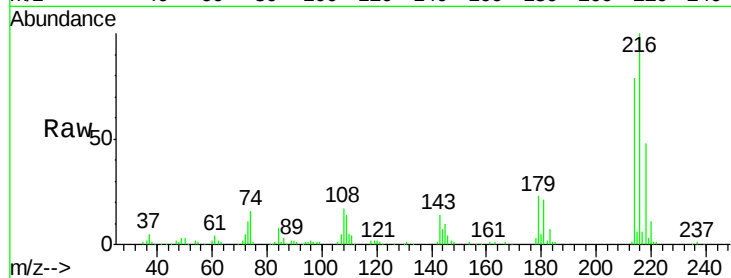
Acq: 8 Aug 2015 4:10

Instrument :

BNA_F

ClientSampleId :

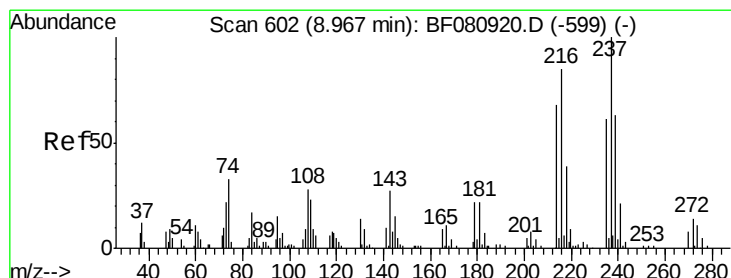
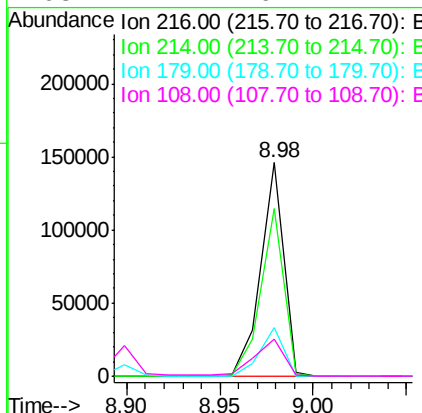
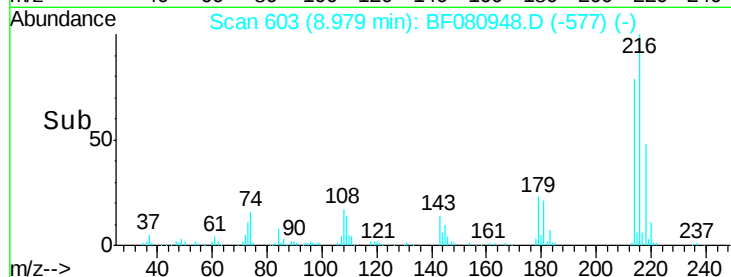
SOIL-5MSD



Tot Ion	Ratio	Resp	Lower	Upper
216	100			
214	78.9	63.0	94.4	
179	23.6	17.2	25.8	
108	22.4	16.1	24.1	

Manual Integrations
APPROVED

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8/10/2015 7:20:40 PM



#40

Hexachlorocyclopentadiene

Concen: 22.12 ng

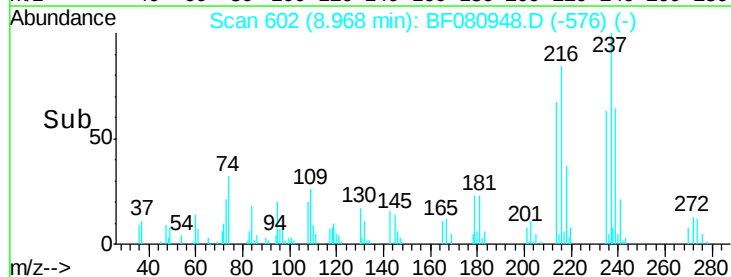
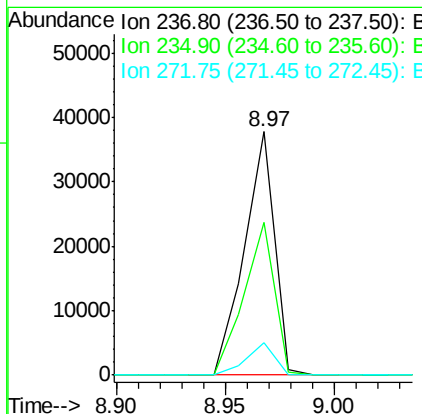
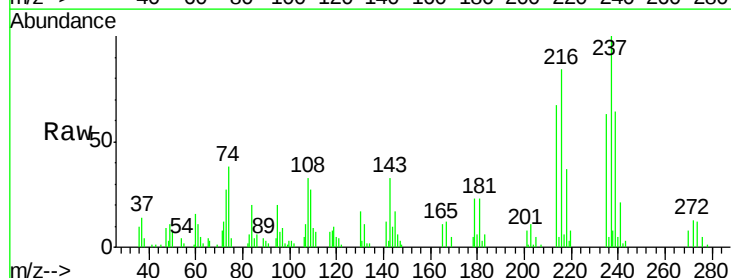
RT: 8.97 min Scan# 602

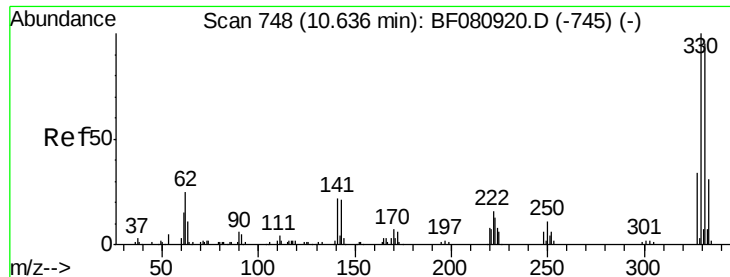
Delta R.T. 0.00 min

Lab File: BF080948.D

Acq: 8 Aug 2015 4:10

Tgt Ion	Ratio	Resp	Lower	Upper
237	100			
235	62.9	41.3	81.3	
272	13.4	0.0	33.6	





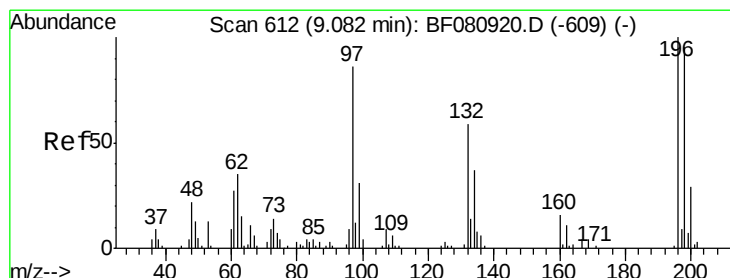
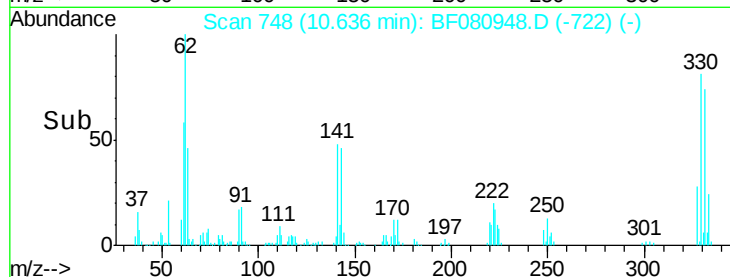
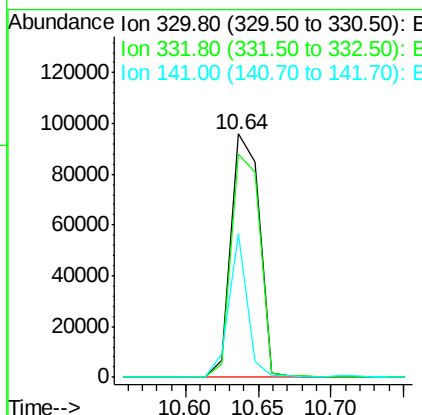
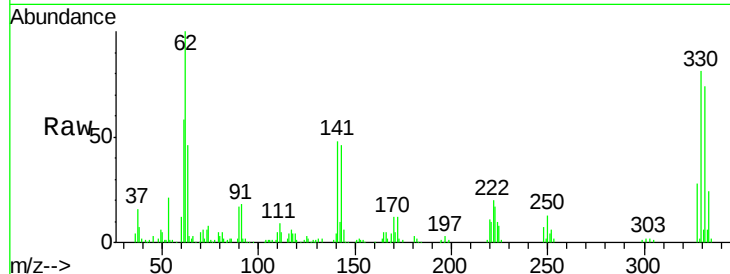
#41
 2,4,6-Tribromophenol
 Concen: 122.17 ng
 RT: 10.64 min Scan# 748
 Delta R.T. 0.00 min
 Lab File: BF080948.D
 Acq: 8 Aug 2015 4:10

Instrument :
 BNA_F
 ClientSampled :
 SOIL-5MSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100	130329		
332	93.1	76.2	114.4	
141	38.6	27.8	41.8	

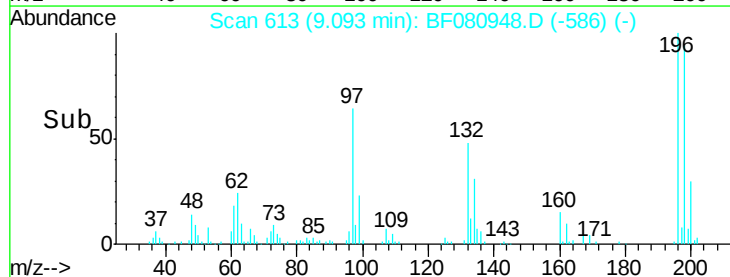
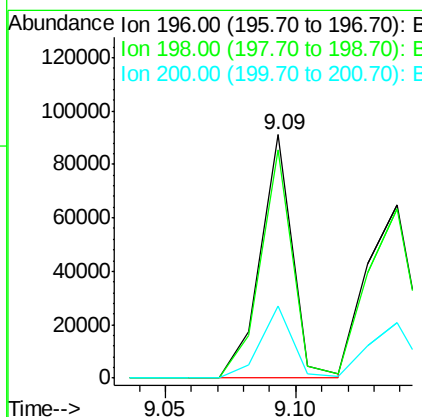
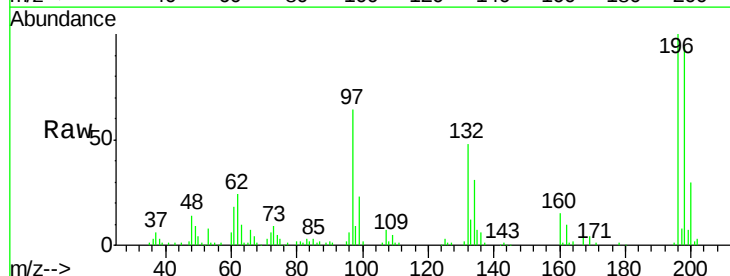
Manual Integrations
 APPROVED

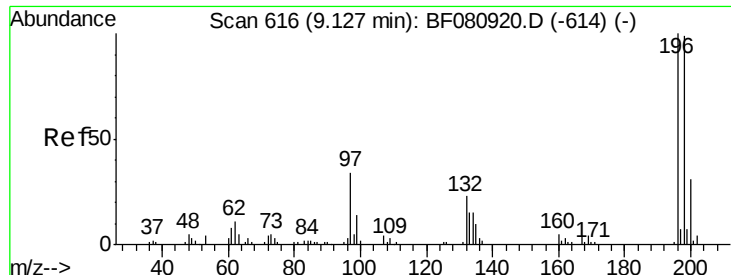
MMDadoda
 8/10/2015 7:20:40 PM



#42
 2,4,6-Trichlorophenol
 Concen: 35.66 ng
 RT: 9.09 min Scan# 613
 Delta R.T. 0.01 min
 Lab File: BF080948.D
 Acq: 8 Aug 2015 4:10

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	78239		
198	93.9	75.9	113.9	
200	29.9	23.1	34.7	





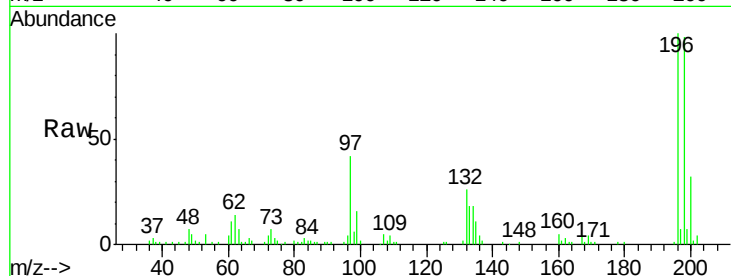
#43
 2,4,5-Trichlorophenol
 Concen: 34.32 ng
 RT: 9.14 min Scan# 617
 Delta R.T. 0.01 min
 Lab File: BF080948.D
 Acq: 8 Aug 2015 4:10

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-5MSD

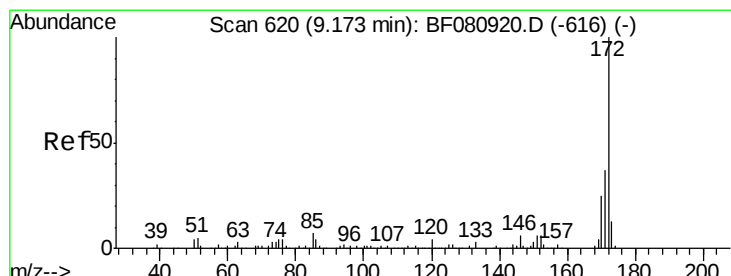
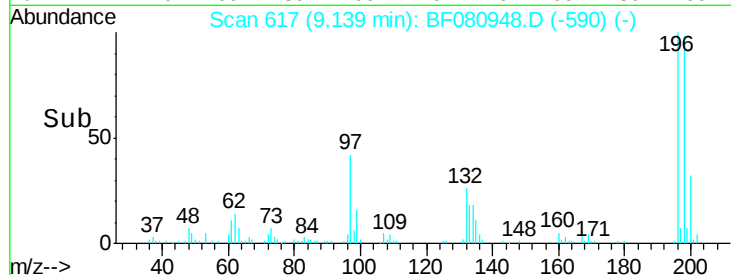
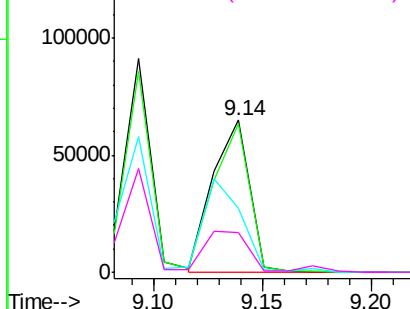
Tot Ion	Ion	Ratio	Resp	Lower	Upper
196	100		75870		
198	97.9	78.9	118.3		
97	42.1	29.1	43.7		
132	26.0	19.1	28.7		

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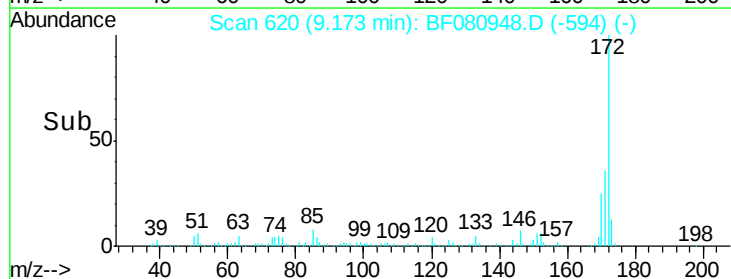
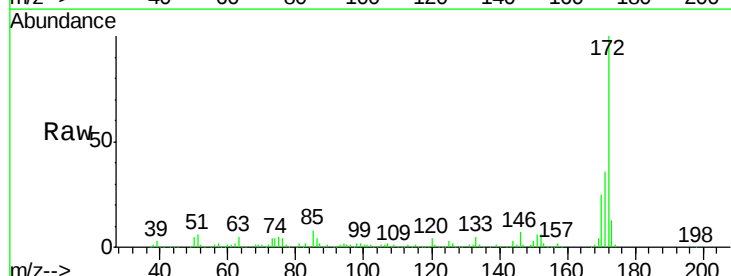
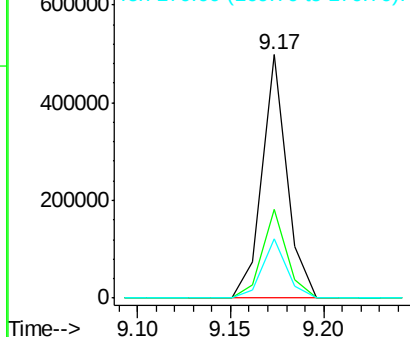
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

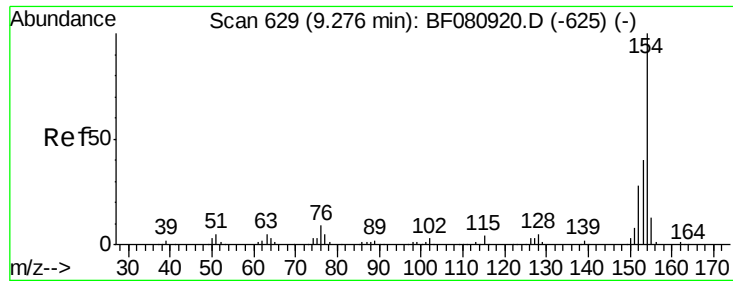


#44
 2-Fluorobiphenyl
 Concen: 67.41 ng
 RT: 9.17 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: BF080948.D
 Acq: 8 Aug 2015 4:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
172	100		464973		
171	36.3	29.4	44.0		
170	24.6	19.7	29.5		

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: 41.60 ng

RT: 9.28 min Scan# 629

Delta R.T. 0.00 min

Lab File: BF080948.D

Acq: 8 Aug 2015 4:10

Instrument :

BNA_F

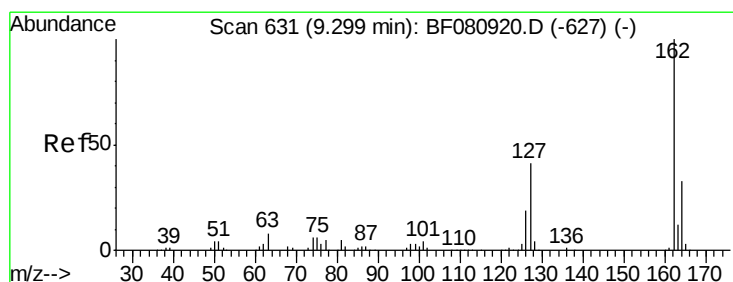
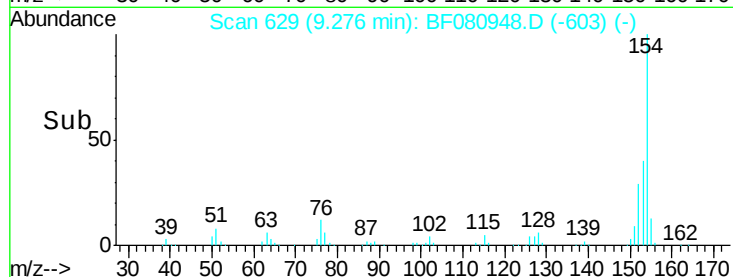
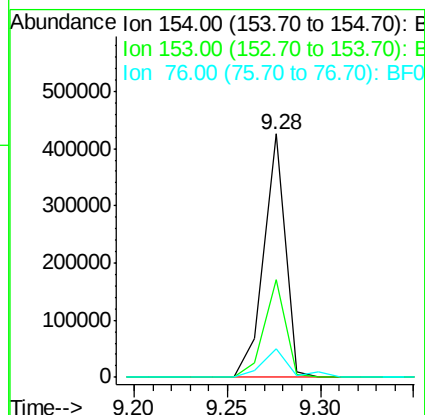
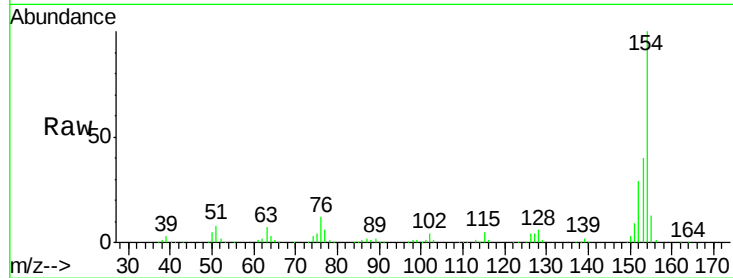
ClientSampled :

SOIL-5MSD

Tot Ion:	154	Resp:	346709
Ion Ratio	Lower	Upper	
154	100		
153	40.2	20.1	60.1
76	11.9	0.0	29.3

Manual Integrations
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#46

2-Chloronaphthalene

Concen: 32.26 ng

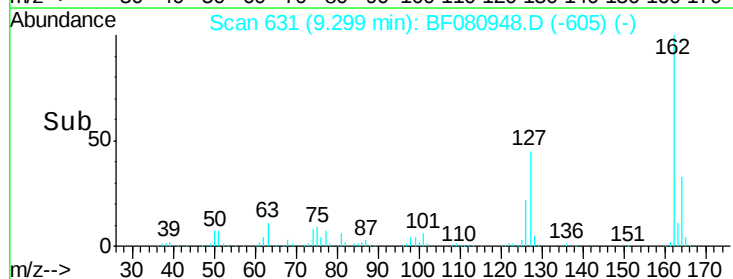
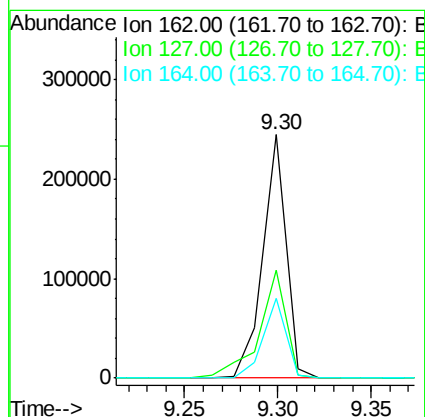
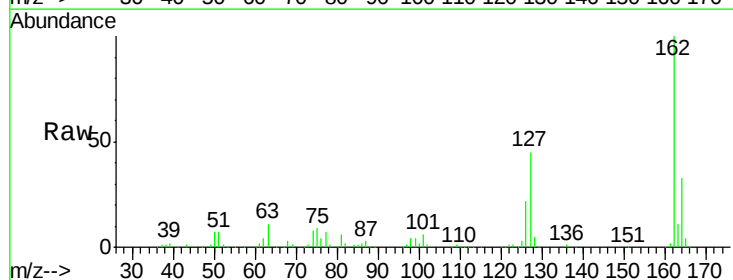
RT: 9.30 min Scan# 631

Delta R.T. 0.00 min

Lab File: BF080948.D

Acq: 8 Aug 2015 4:10

Tgt Ion:	162	Resp:	209612
Ion Ratio	Lower	Upper	
162	100		
127	44.5	32.5	48.7
164	32.6	26.2	39.4





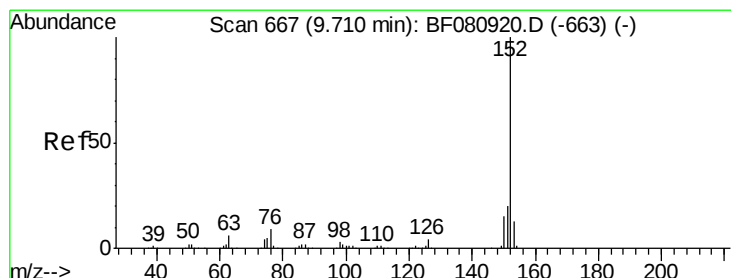
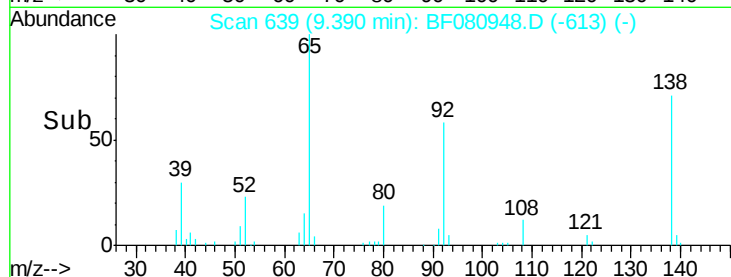
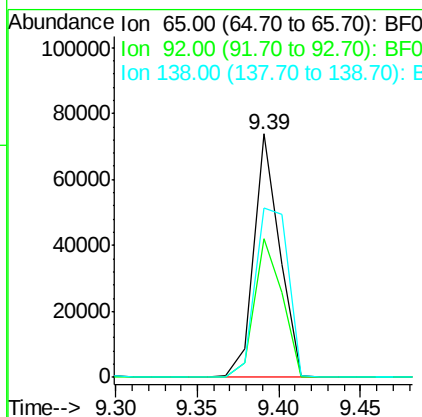
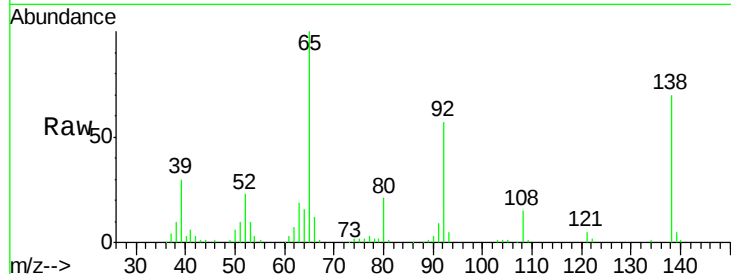
#47
2-Nitroaniline
Concen: 30.95 ng
RT: 9.39 min Scan# 639
Delta R.T. 0.00 min
Lab File: BF080948.D
Acq: 8 Aug 2015 4:10

Instrument :
BNA_F
ClientSampleId :
SOIL-5MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	80631		
92	57.0		48.0	72.0
138	69.7		66.1	99.1

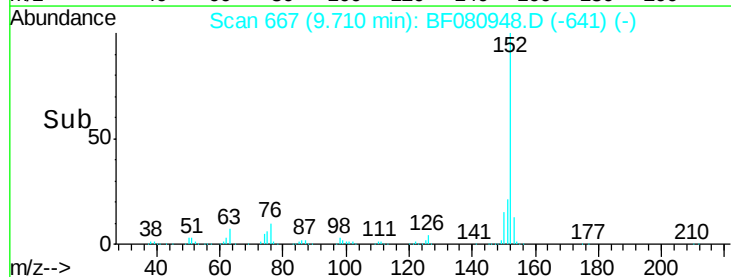
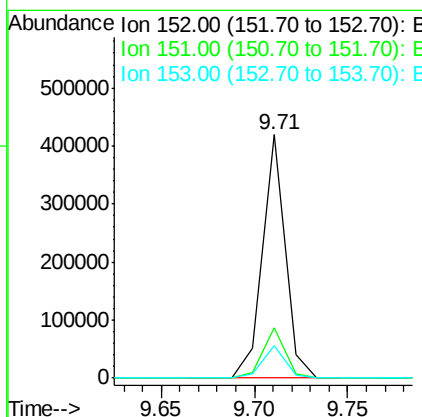
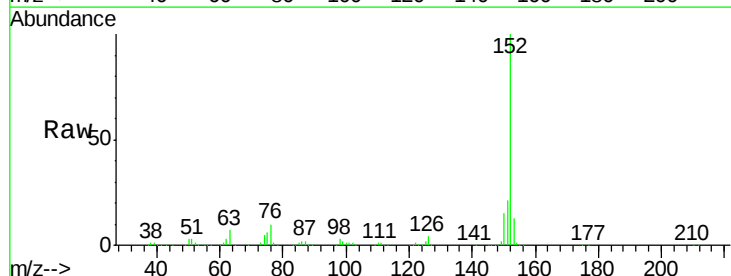
Manual Integrations
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#48
Acenaphthylene
Concen: 31.11 ng
RT: 9.71 min Scan# 667
Delta R.T. 0.00 min
Lab File: BF080948.D
Acq: 8 Aug 2015 4:10

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	351404		
151	20.5		16.3	24.5
153	13.4		10.5	15.7





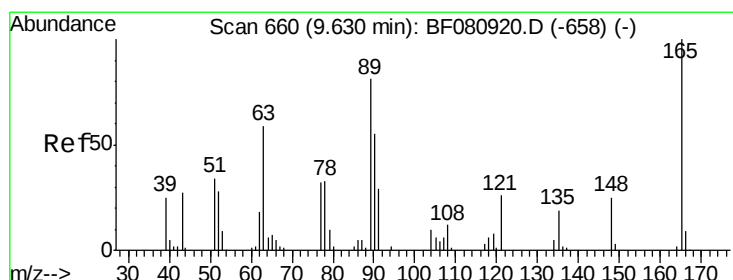
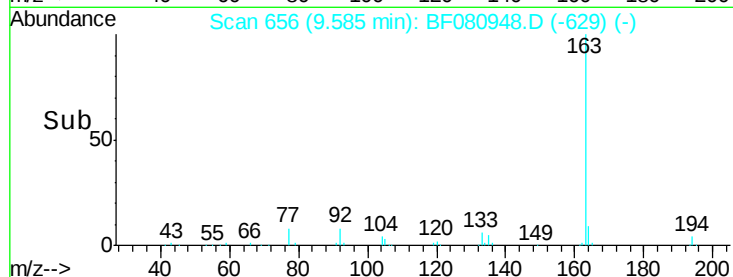
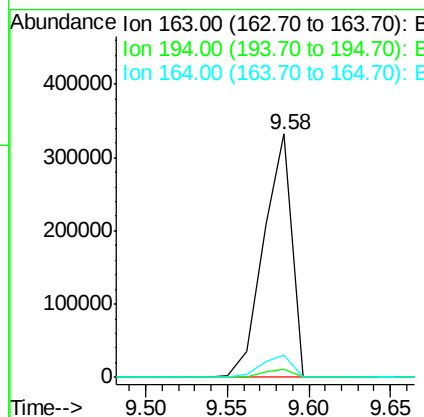
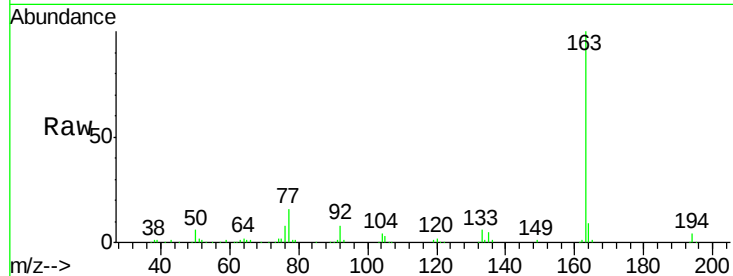
#49
Dimethylphthalate
Concen: 49.16 ng
RT: 9.58 min Scan# 656
Delta R.T. 0.01 min
Lab File: BF080948.D
Acq: 8 Aug 2015 4:10

Instrument :
BNA_F
ClientSampleId :
SOIL-5MSD

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.6	2.4	3.6
164	9.3	8.2	12.4

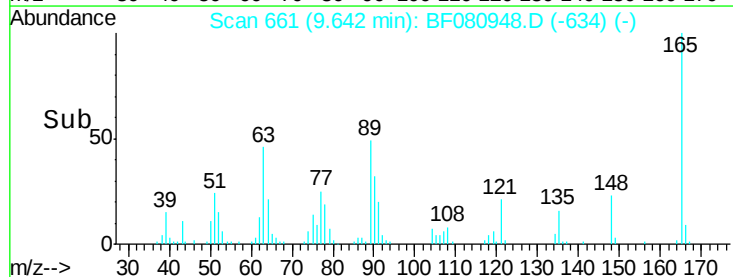
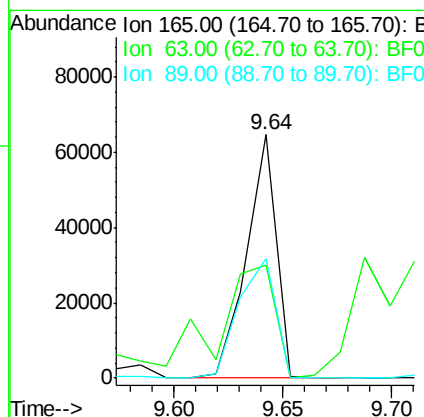
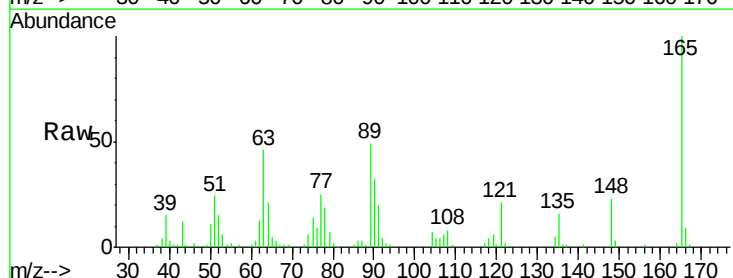
Manual Integrations
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#50
2,6-Dinitrotoluene
Concen: 36.60 ng
RT: 9.64 min Scan# 661
Delta R.T. 0.01 min
Lab File: BF080948.D
Acq: 8 Aug 2015 4:10

Tgt Ion	Ratio	Resp Lower	Upper
165	100		
63	46.5	77.6	116.4#
89	49.0	64.5	96.7#





#51

Acenaphthene

Concen: 29.17 ng

RT: 9.88 min Scan# 682

Delta R.T. 0.00 min

Lab File: BF080948.D

Acq: 8 Aug 2015 4:10

Instrument :

BNA_F

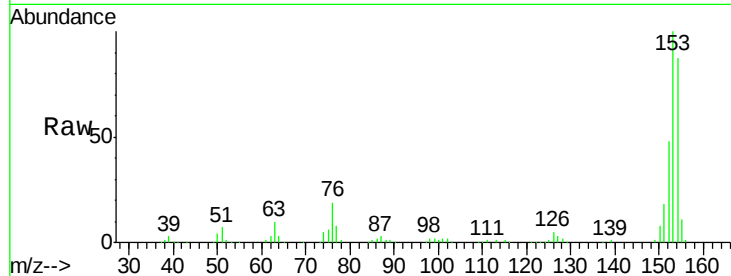
ClientSampleId :

SOIL-5MSD

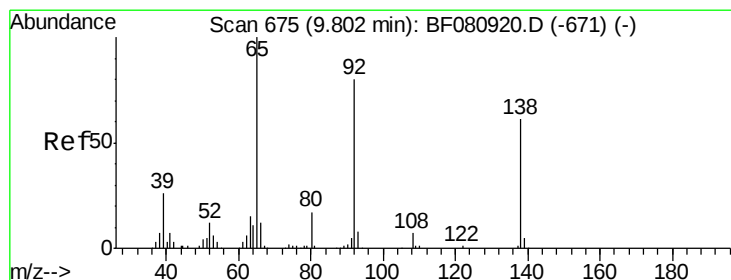
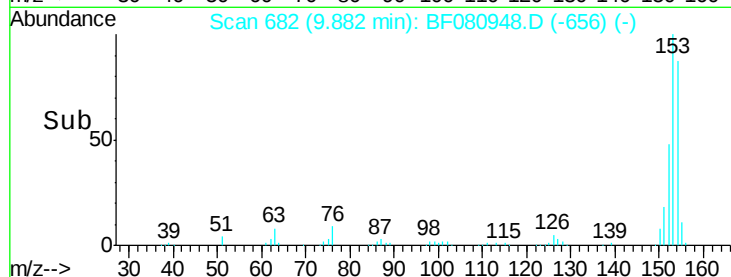
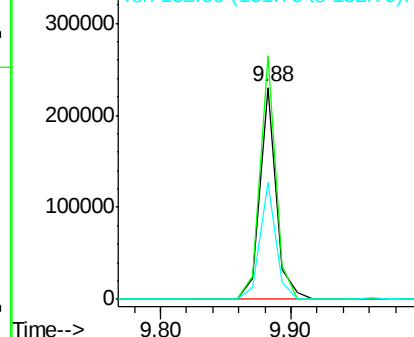
Tot Ion:	154	Resp:	201830
Ion Ratio	Lower	Upper	
154	100		
153	114.9	91.4	137.2
152	54.9	44.2	66.4

Manual Integrations
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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: 17.52 ng

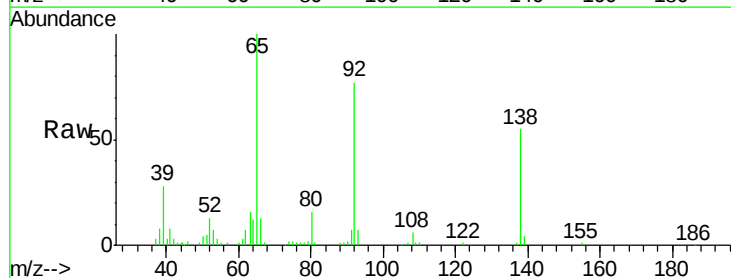
RT: 9.80 min Scan# 675

Delta R.T. 0.00 min

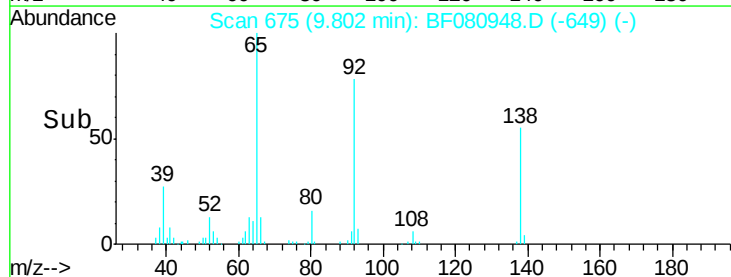
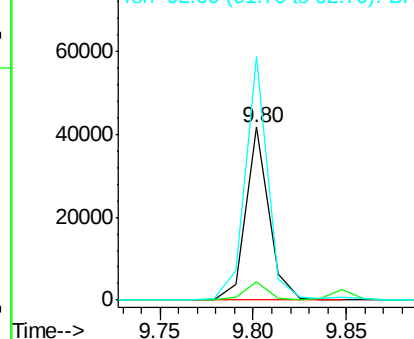
Lab File: BF080948.D

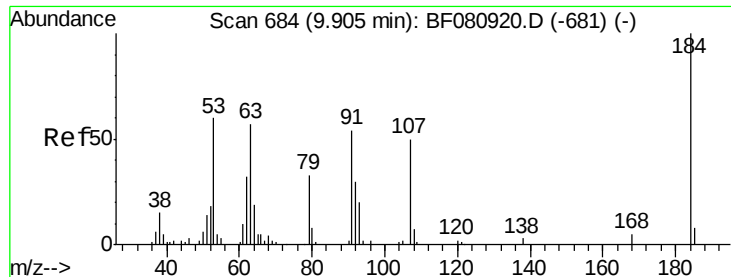
Acq: 8 Aug 2015 4:10

Tgt Ion:	138	Resp:	35992
Ion Ratio	Lower	Upper	
138	100		
108	10.8	8.7	13.1
92	140.7	104.4	156.6



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





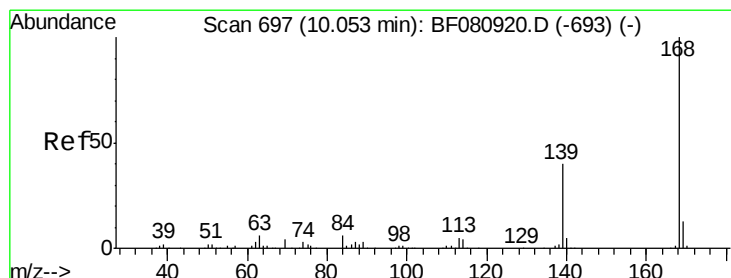
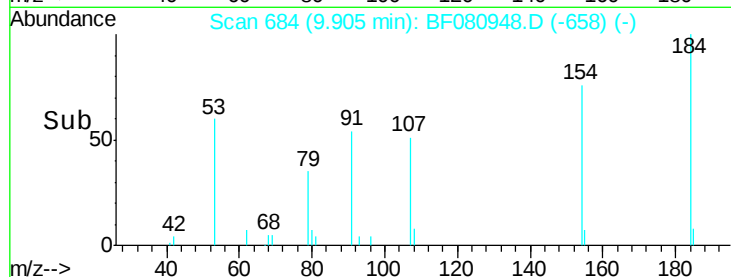
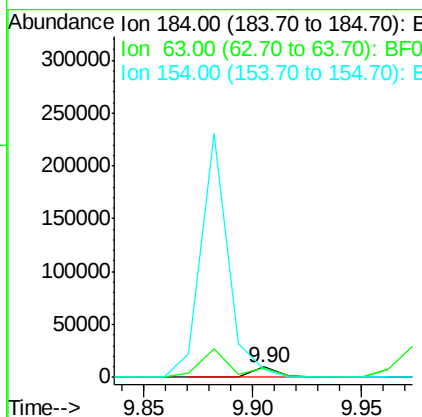
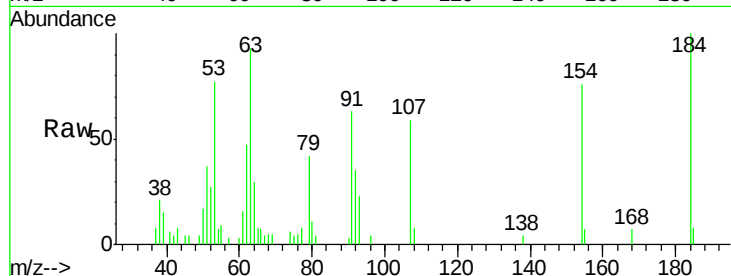
#53
 2,4-Dinitrophenol
 Concen: 13.57 ng
 RT: 9.90 min Scan# 684
 Delta R.T. 0.00 min
 Lab File: BF080948.D
 Acq: 8 Aug 2015 4:10

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-5MSD

Tot Ion	Ratio	Lower	Upper
184	100		
63	93.1	59.7	89.5#
154	75.8	53.8	80.8

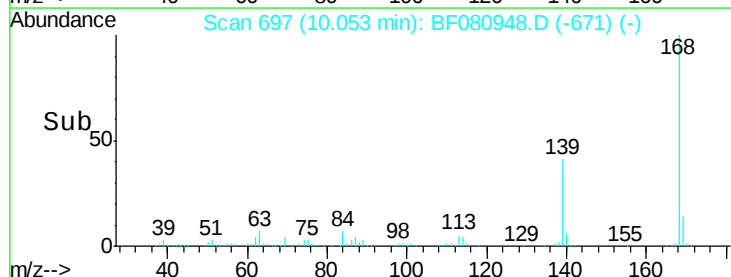
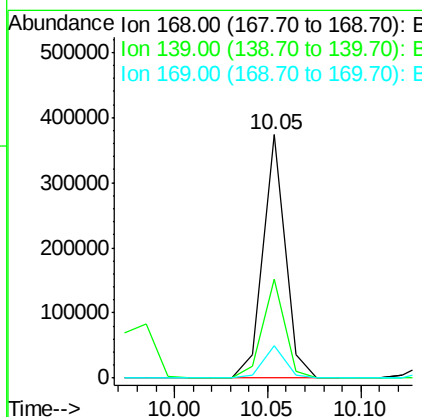
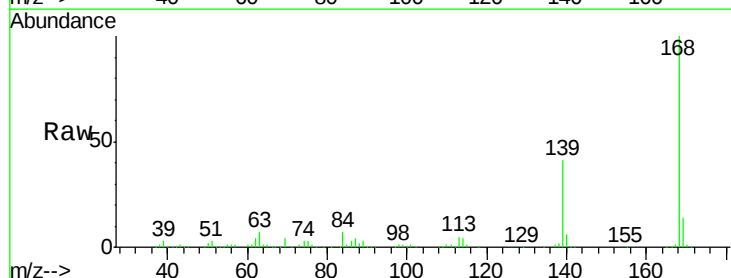
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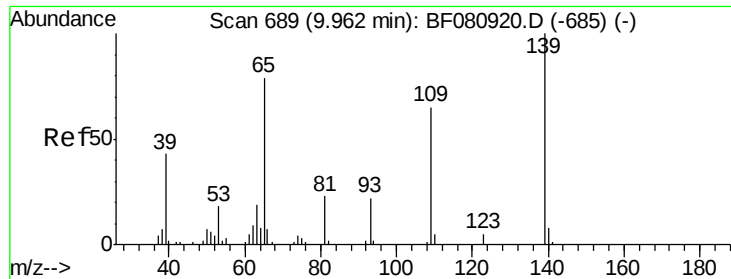
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#54
 Dibenzofuran
 Concen: 32.78 ng
 RT: 10.05 min Scan# 697
 Delta R.T. 0.00 min
 Lab File: BF080948.D
 Acq: 8 Aug 2015 4:10

Tgt Ion	Ratio	Lower	Upper
168	100		
139	40.6	31.9	47.9
169	13.5	10.6	15.8





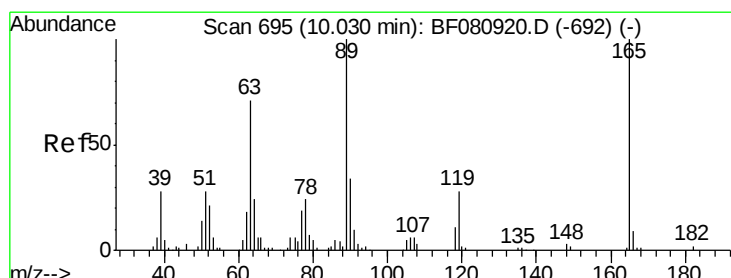
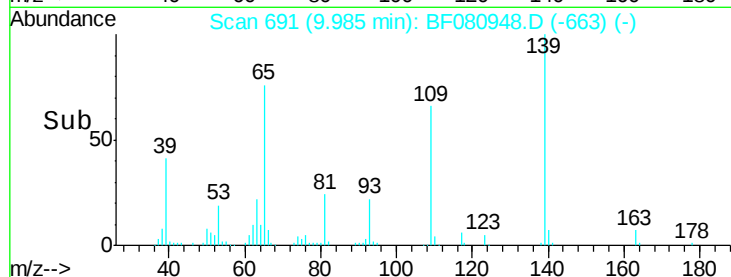
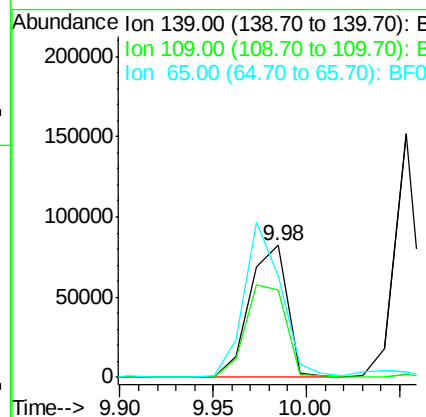
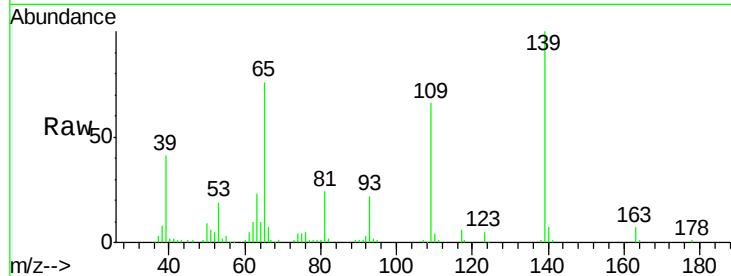
#55
4-Nitrophenol
Concen: 74.92 ng
RT: 9.98 min Scan# 691
Delta R.T. 0.02 min
Lab File: BF080948.D
Acq: 8 Aug 2015 4:10

Instrument :
BNA_F
ClientSampled :
SOIL-5MSD

Tot Ion	Ratio	Resp	Lower	Upper
139	100	115221		
109	65.9	44.7	84.7	
65	76.4	59.5	99.5	

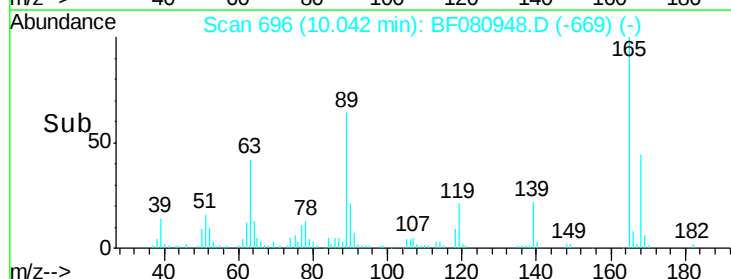
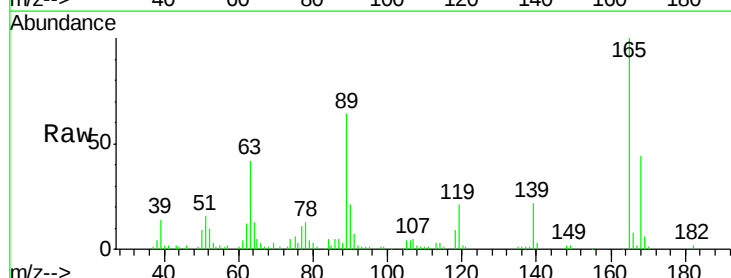
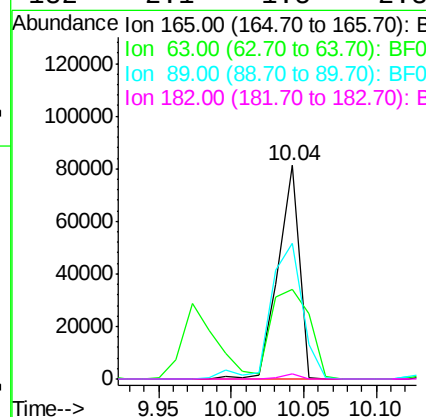
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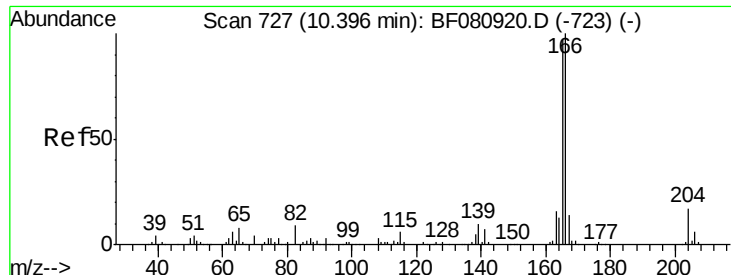
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#56
2,4-Dinitrotoluene
Concen: 37.14 ng
RT: 10.04 min Scan# 696
Delta R.T. 0.01 min
Lab File: BF080948.D
Acq: 8 Aug 2015 4:10

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	82815		
63	42.2	56.7	85.1#	
89	63.8	80.4	120.6#	
182	2.1	1.5	2.3	





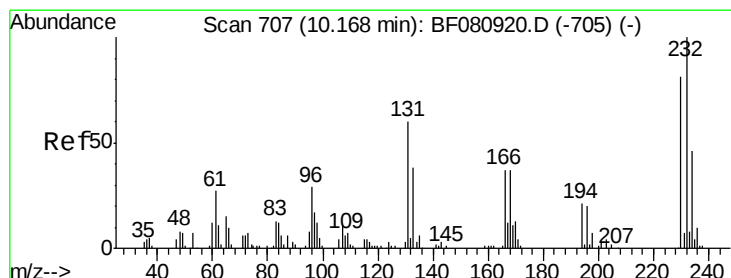
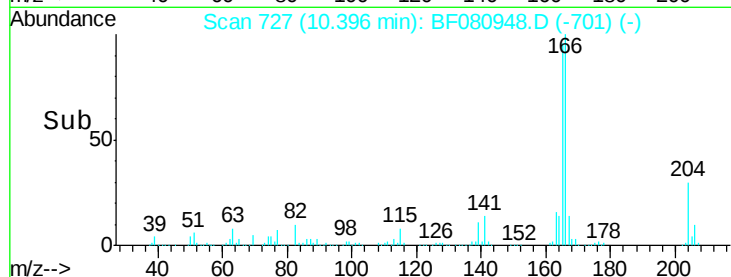
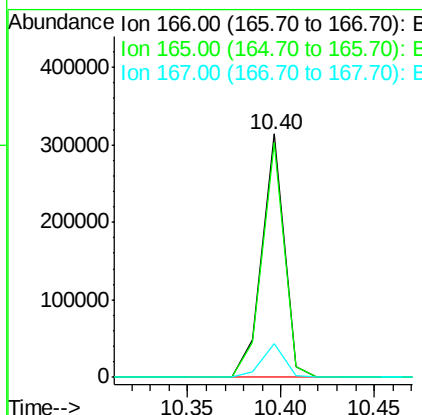
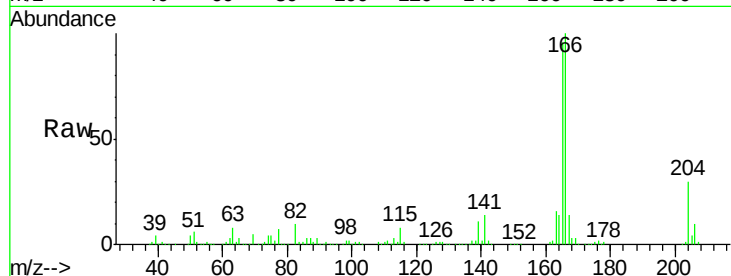
#57
 Fluorene
 Concen: 35.77 ng
 RT: 10.40 min Scan# 727
 Delta R.T. 0.00 min
 Lab File: BF080948.D
 Acq: 8 Aug 2015 4:10

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-5MSD

Tot Ion	Ratio	Resp	Lower	Upper
166	100	258853		
165	96.2	77.2	115.8	
167	13.6	10.8	16.2	

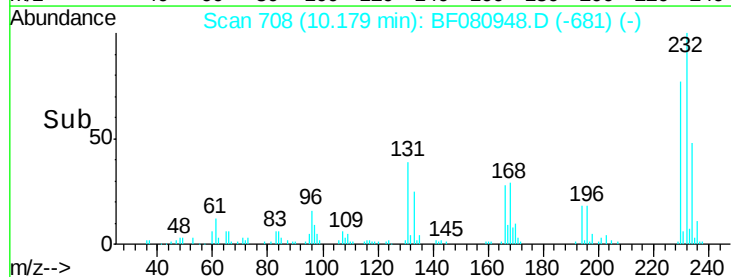
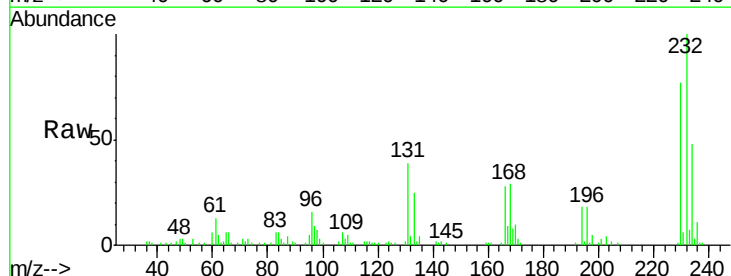
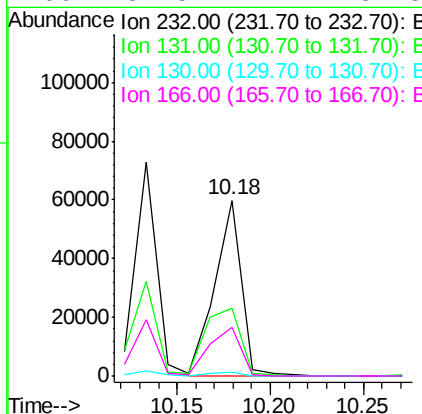
Manual Integrations
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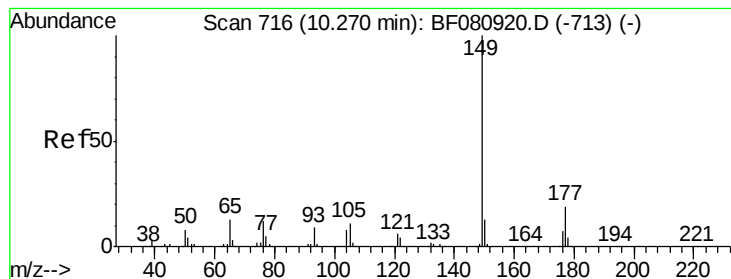
MMDadoda
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#58
 2,3,4,6-Tetrachlorophenol
 Concen: 33.89 ng
 RT: 10.18 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: BF080948.D
 Acq: 8 Aug 2015 4:10

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	59292		
131	51.3	39.4	59.2	
130	2.4	2.1	3.1	
166	32.5	21.7	32.5	





#59

Diethylphthalate

Concen: 32.96 ng

RT: 10.28 min Scan# 717

Delta R.T. 0.01 min

Lab File: BF080948.D

Acq: 8 Aug 2015 4:10

Instrument :

BNA_F

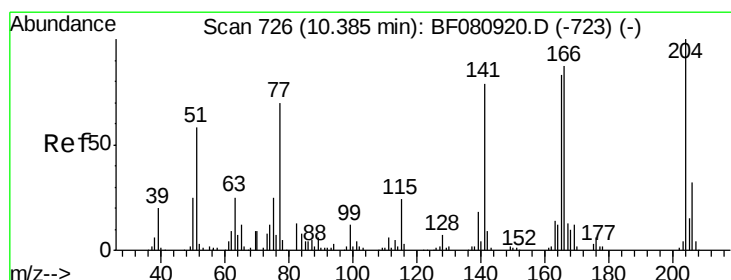
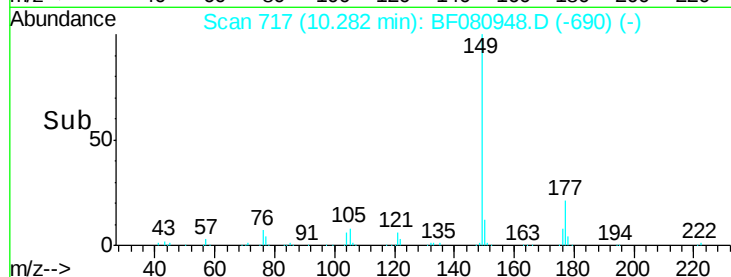
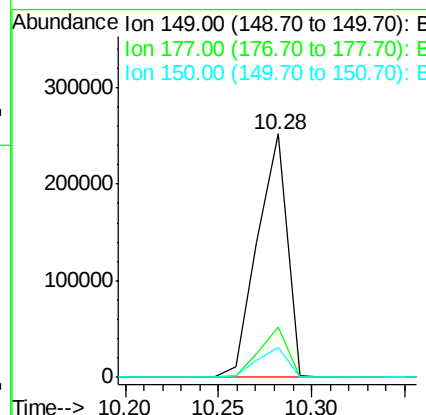
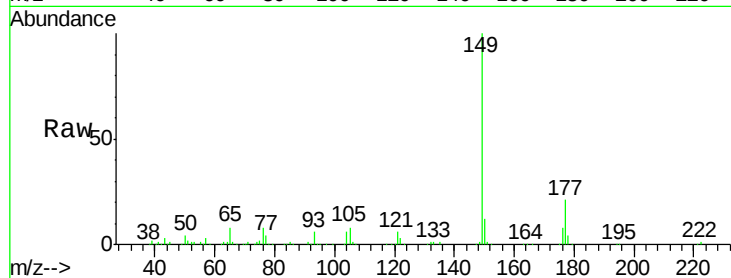
ClientSampleId :

SOIL-5MSD

Tot Ion:	149	Resp:	276780
Ion Ratio	Lower	Upper	
149	100		
177	20.9	15.0	22.4
150	12.3	10.4	15.6

Manual Integrations
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#60

4-Chlorophenyl-phenylether

Concen: 31.84 ng

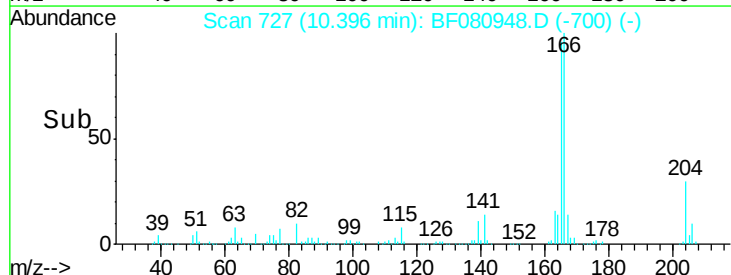
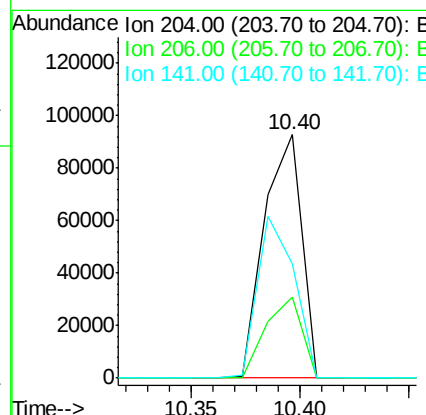
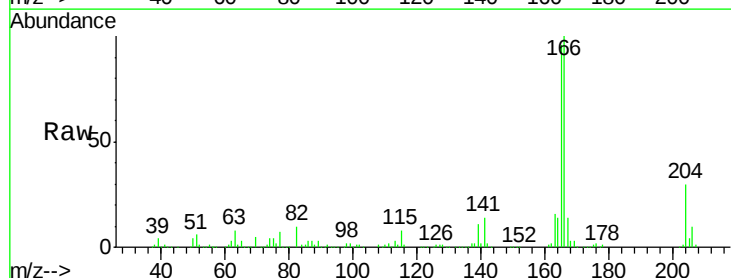
RT: 10.40 min Scan# 727

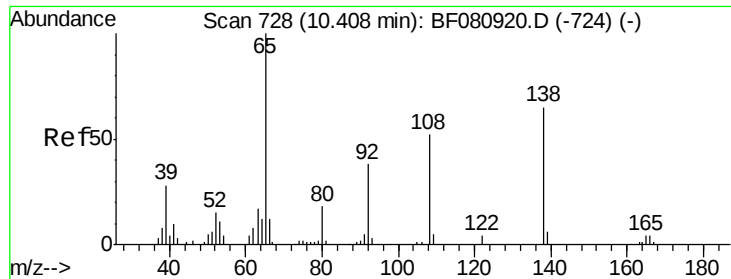
Delta R.T. 0.01 min

Lab File: BF080948.D

Acq: 8 Aug 2015 4:10

Tgt Ion:	204	Resp:	112261
Ion Ratio	Lower	Upper	
204	100		
206	33.0	25.5	38.3
141	47.0	63.4	95.0#





#61

4-Nitroaniline

Concen: 29.88 ng

RT: 10.42 min Scan# 729

Delta R.T. 0.01 min

Lab File: BF080948.D

Acq: 8 Aug 2015 4:10

Instrument :

BNA_F

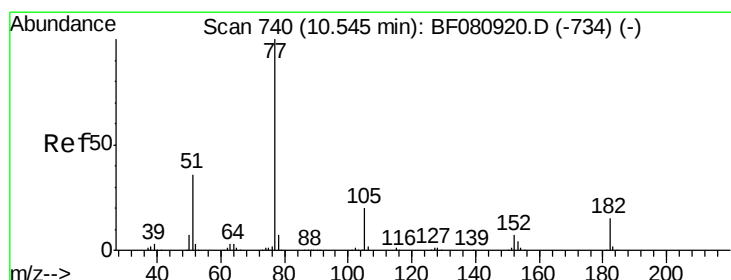
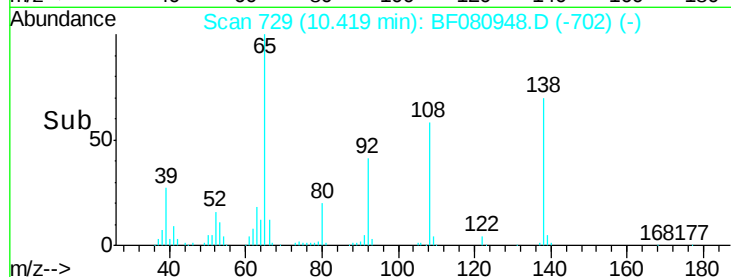
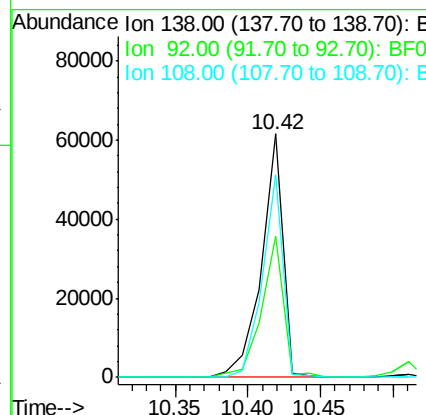
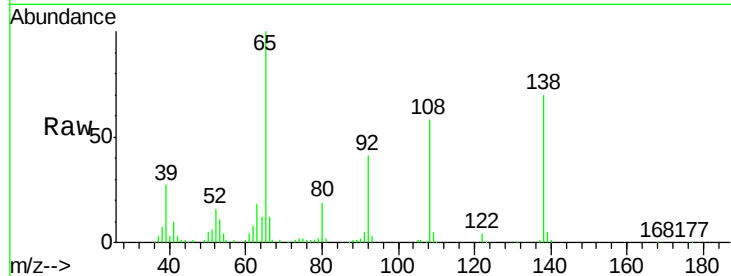
ClientSampleId :

SOIL-5MSD

Tot Ion:	138	Resp:	63169
Ion Ratio	Lower	Upper	
138	100		
92	58.2	38.1	78.1
108	83.2	59.9	99.9

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#62

Azobenzene

Concen: 34.08 ng

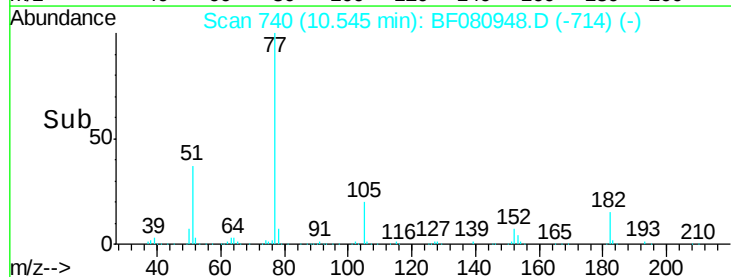
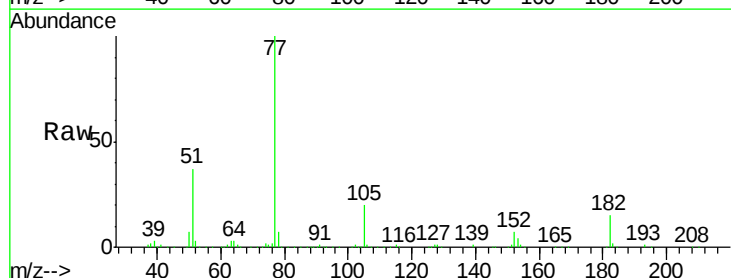
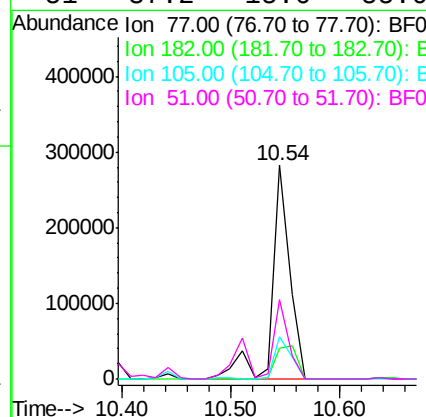
RT: 10.54 min Scan# 740

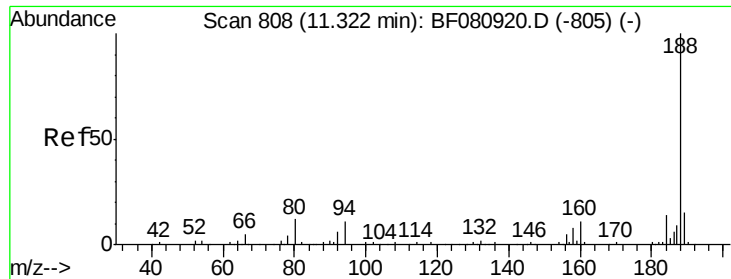
Delta R.T. 0.00 min

Lab File: BF080948.D

Acq: 8 Aug 2015 4:10

Tgt Ion:	77	Resp:	319997
Ion Ratio	Lower	Upper	
77	100		
182	14.6	0.0	35.5
105	19.8	0.5	40.5
51	37.2	15.6	55.6





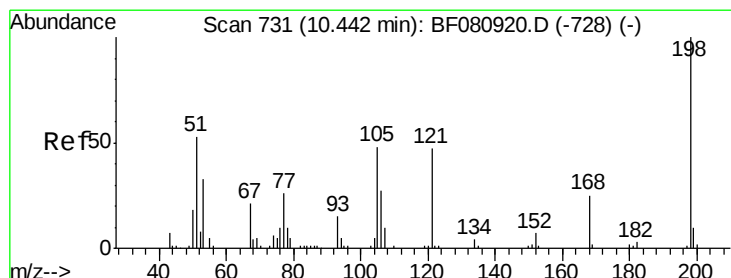
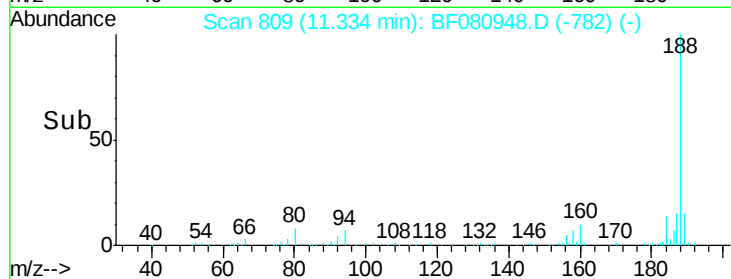
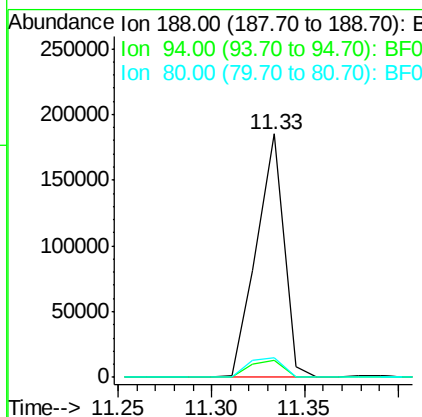
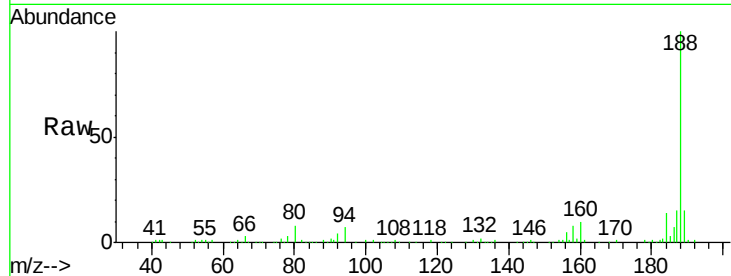
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 809
Delta R.T. 0.01 min
Lab File: BF080948.D
Acq: 8 Aug 2015 4:10

Instrument :
BNA_F
ClientSampled :
SOIL-5MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	7.2	8.8	13.2#
80	7.9	9.5	14.3#

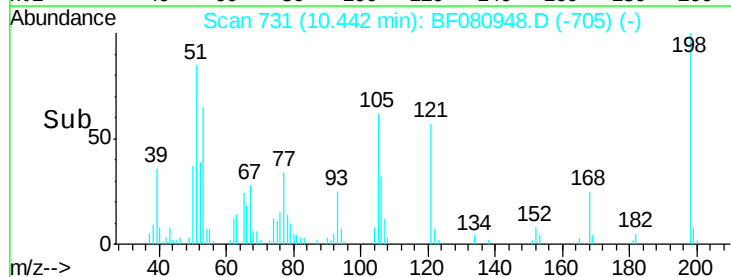
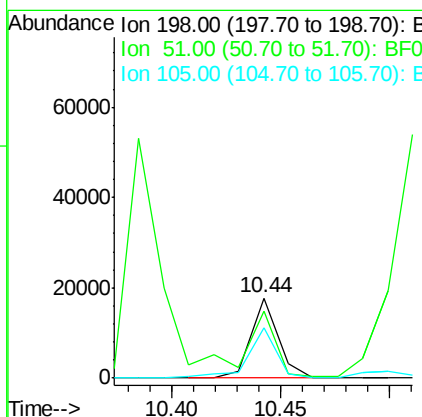
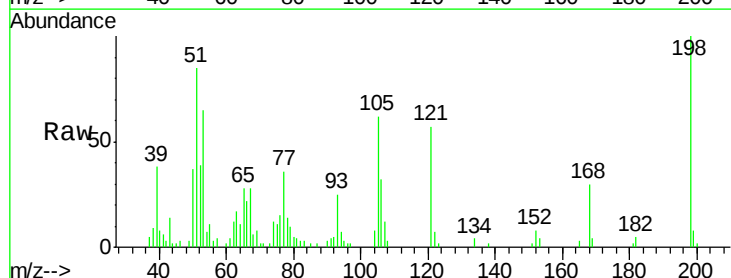
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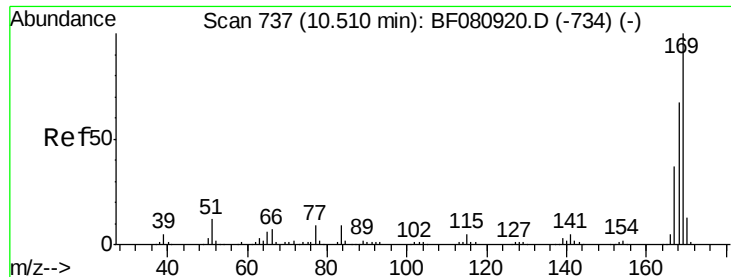
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#64
4,6-Dinitro-2-methylphenol
Concen: 13.06 ng
RT: 10.44 min Scan# 731
Delta R.T. 0.00 min
Lab File: BF080948.D
Acq: 8 Aug 2015 4:10

Tgt Ion	Ratio	Resp Lower	Resp Upper
198	100		
51	84.6	40.3	80.3#
105	62.2	29.6	69.6





#65

n-Nitrosodiphenylamine

Concen: 35.50 ng

RT: 10.51 min Scan# 737

Delta R.T. 0.00 min

Lab File: BF080948.D

Acq: 8 Aug 2015 4:10

Instrument :

BNA_F

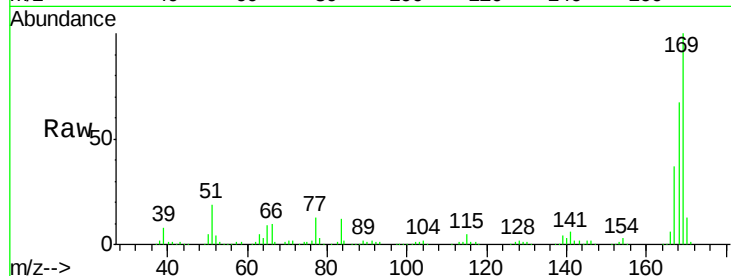
ClientSampleId :

SOIL-5MSD

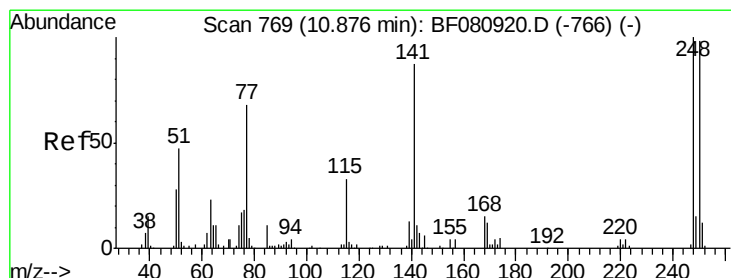
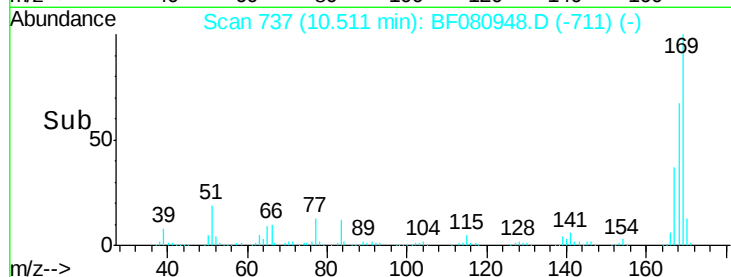
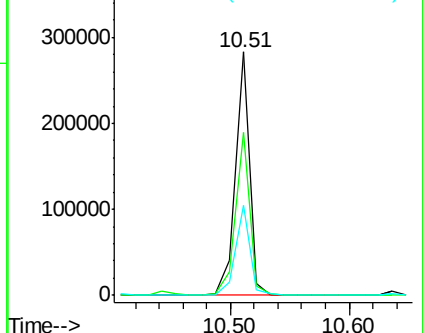
Tot Ion:	169	Resp:	233650
Ion Ratio	Lower	Upper	
169	100		
168	67.0	53.7	80.5
167	36.9	29.3	43.9

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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



#66

4-Bromophenyl-phenylether

Concen: 30.98 ng

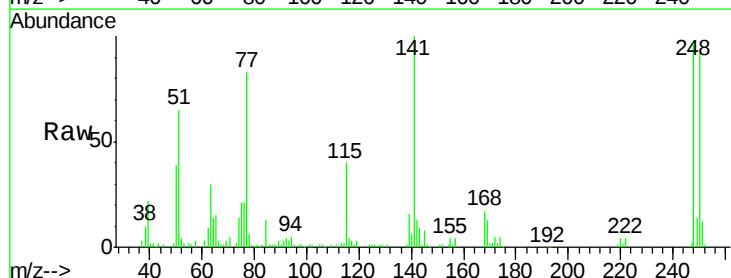
RT: 10.88 min Scan# 769

Delta R.T. 0.00 min

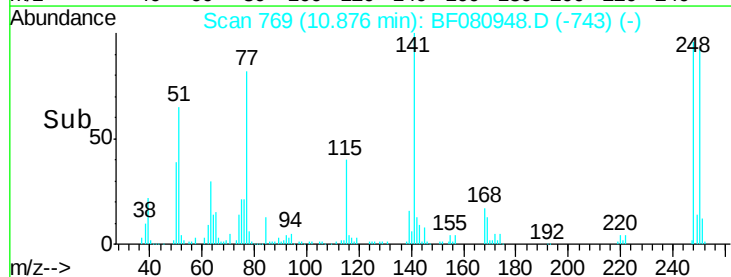
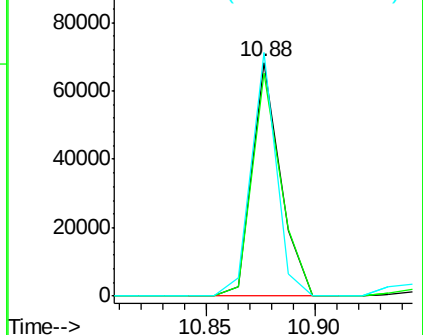
Lab File: BF080948.D

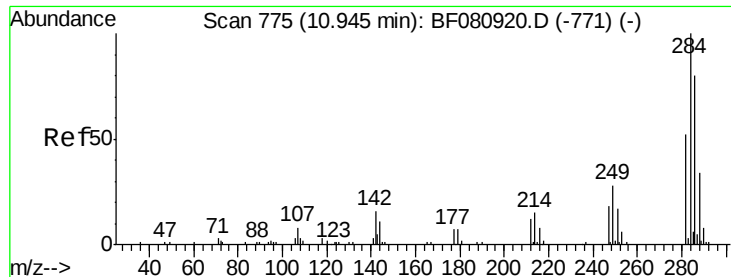
Acq: 8 Aug 2015 4:10

Tgt Ion:	248	Resp:	62154
Ion Ratio	Lower	Upper	
248	100		
250	95.3	78.1	117.1
141	104.1	69.6	104.4



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





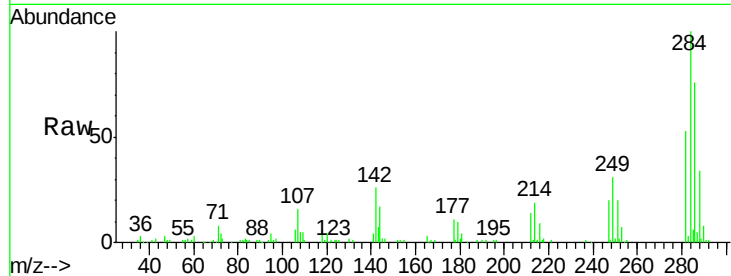
#67
Hexachlorobenzene
Concen: 34.09 ng
RT: 10.94 min Scan# 775
Delta R.T. 0.00 min
Lab File: BF080948.D
Acq: 8 Aug 2015 4:10

Instrument :
BNA_F
ClientSampleId :
SOIL-5MSD

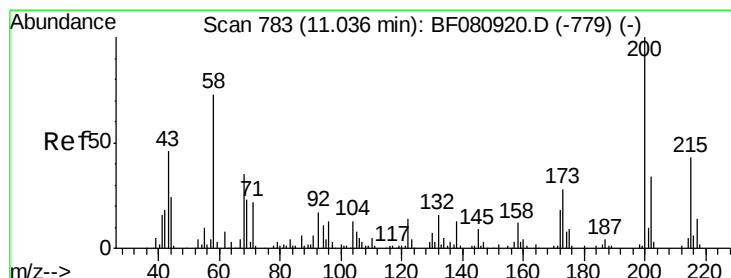
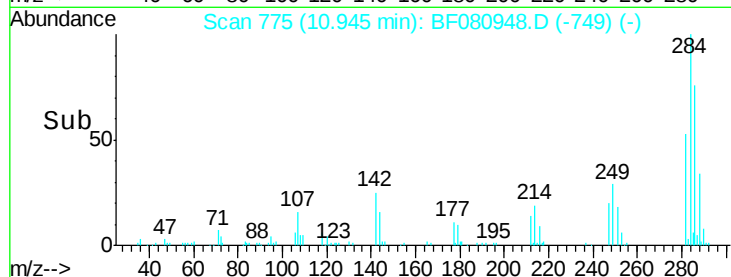
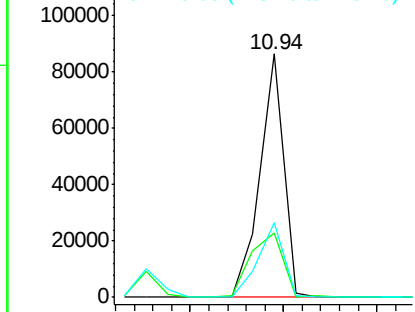
Tot Ion	Ratio	Resp Lower	Upper
284	100		
142	26.4	12.8	19.2#
249	30.6	22.5	33.7

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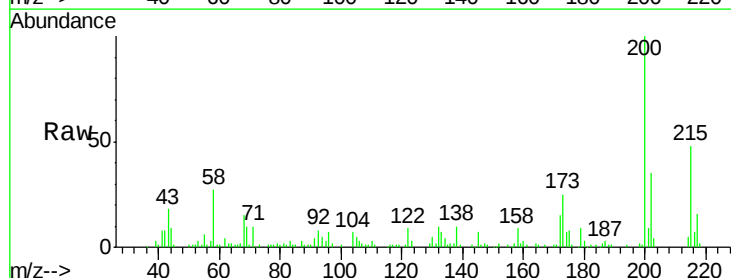


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

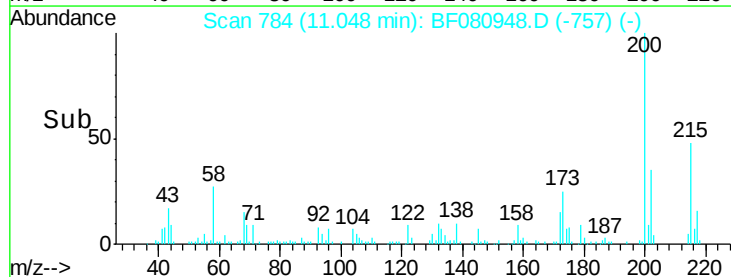
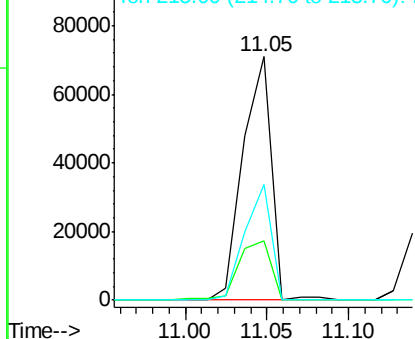


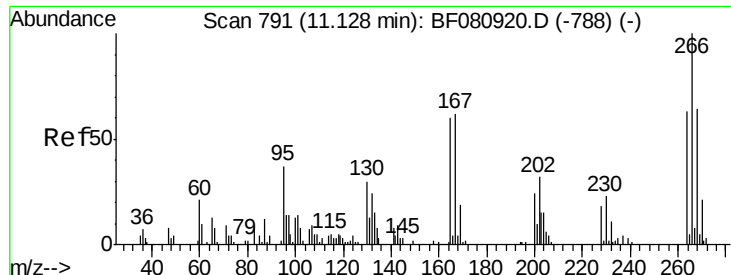
#68
Atrazine
Concen: 44.03 ng
RT: 11.05 min Scan# 784
Delta R.T. 0.01 min
Lab File: BF080948.D
Acq: 8 Aug 2015 4:10

Tgt Ion	Ratio	Resp Lower	Upper
200	100		
173	24.6	8.4	48.4
215	47.7	22.7	62.7



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E





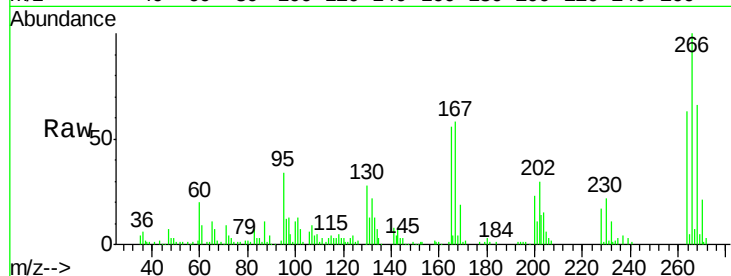
#69
 Pentachlorophenol
 Concen: 62.31 ng
 RT: 11.14 min Scan# 792
 Delta R.T. 0.01 min
 Lab File: BF080948.D
 Acq: 8 Aug 2015 4:10

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-5MSD

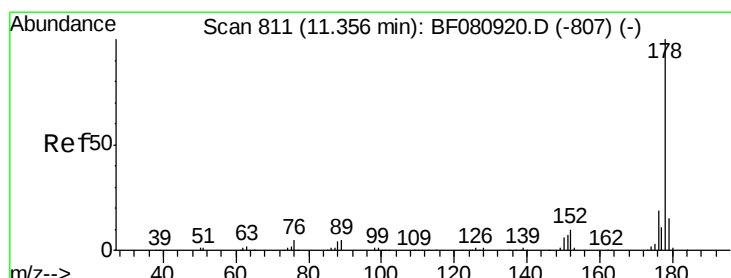
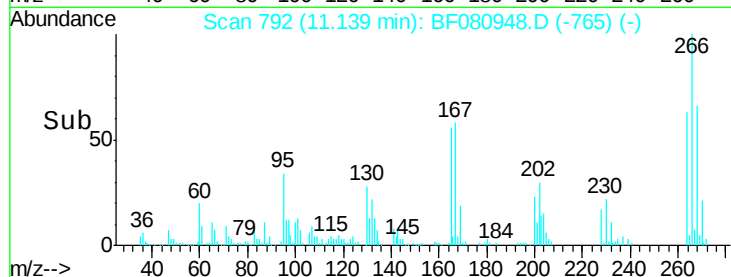
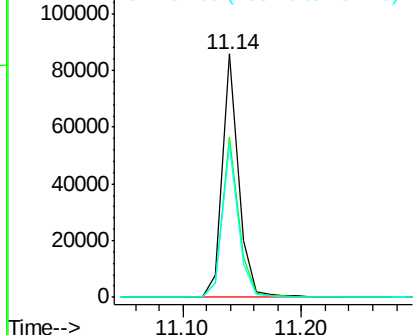
Tot Ion	Ratio	Resp	Lower	Upper
266	100	80827		
268	65.7		51.6	77.4
264	62.6		50.1	75.1

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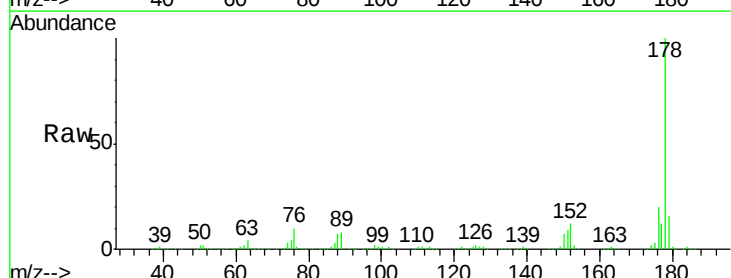


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

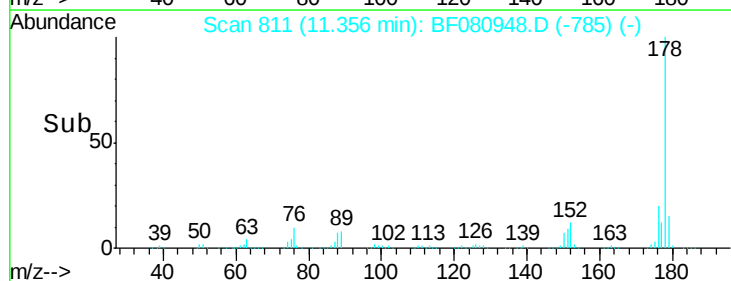
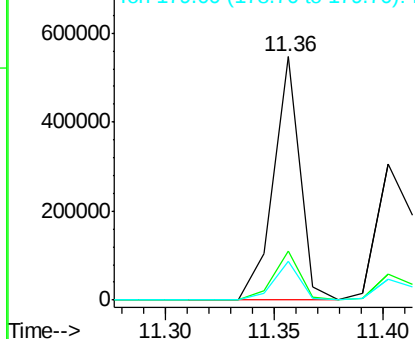


#70
 Phenanthrene
 Concen: 43.70 ng
 RT: 11.36 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: BF080948.D
 Acq: 8 Aug 2015 4:10

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	468809		
176	19.9		15.6	23.4
179	15.7		11.9	17.9



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





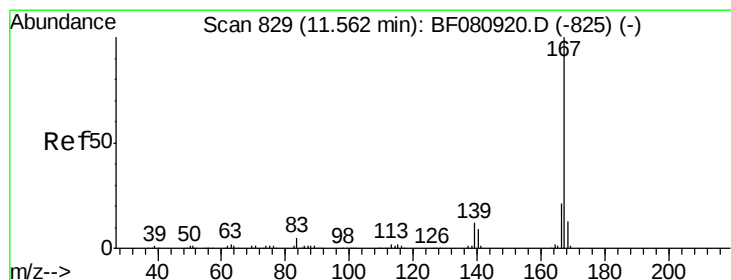
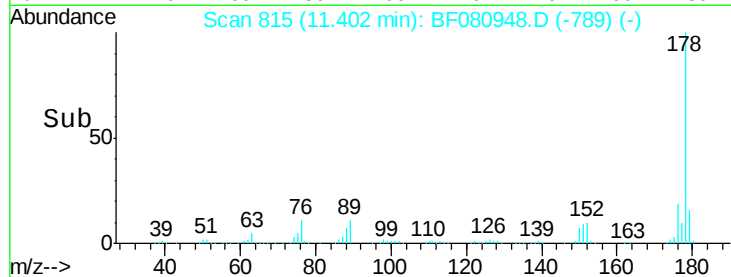
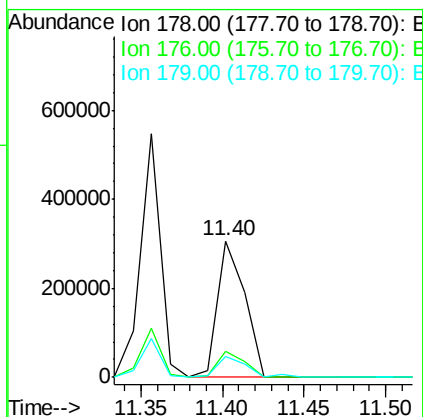
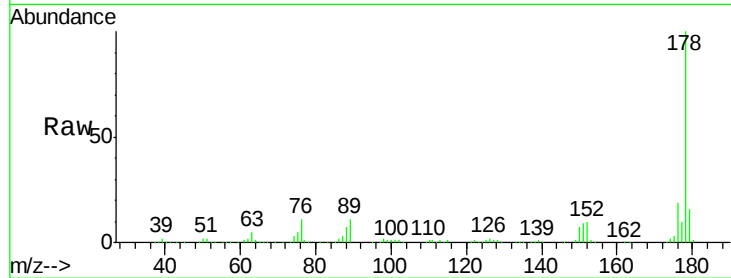
#71
 Anthracene
 Concen: 33.40 ng
 RT: 11.40 min Scan# 815
 Delta R.T. 0.00 min
 Lab File: BF080948.D
 Acq: 8 Aug 2015 4:10

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-5MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.5	23.3
179	15.7	12.6	18.8

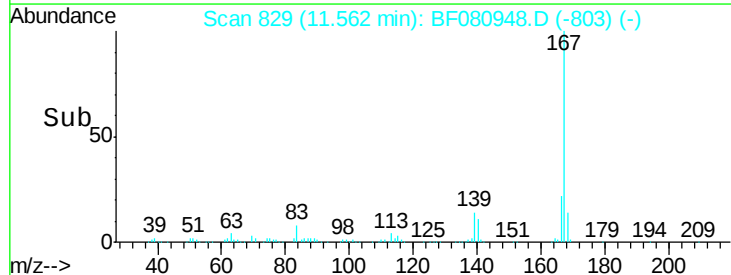
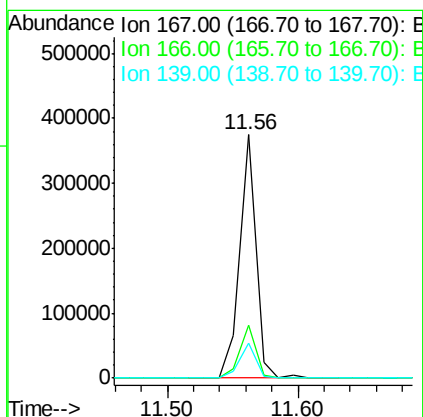
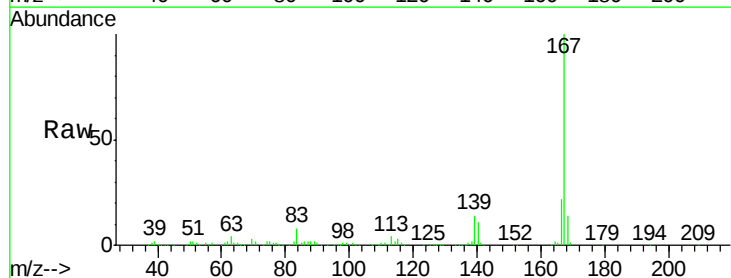
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#72
 Carbazole
 Concen: 31.35 ng
 RT: 11.56 min Scan# 829
 Delta R.T. 0.00 min
 Lab File: BF080948.D
 Acq: 8 Aug 2015 4:10

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.1	25.7
139	14.3	9.2	13.8





#73

Di-n-butylphthalate

Concen: 35.67 ng

RT: 11.89 min Scan# 858

Delta R.T. 0.00 min

Lab File: BF080948.D

Acq: 8 Aug 2015 4:10

Instrument :

BNA_F

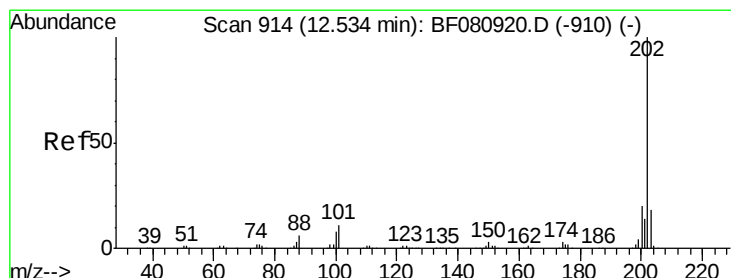
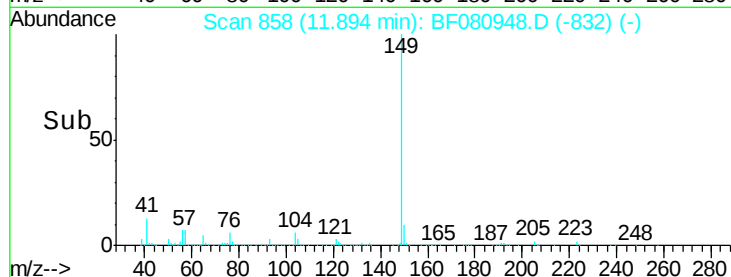
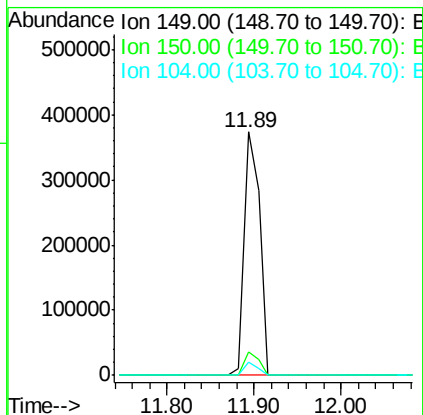
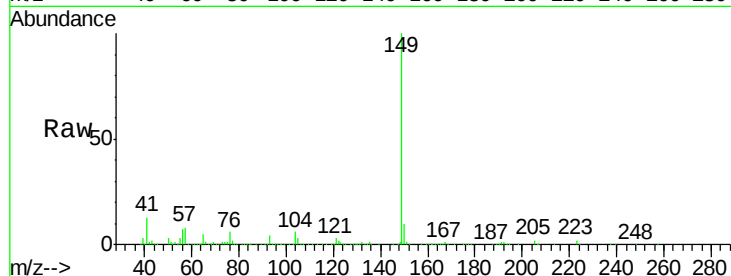
ClientSampleID :

SOIL-5MSD

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Tot Ion:	149	Resp:	461146
Ion Ratio	Lower	Upper	
149	100		
150	9.5	7.6	11.4
104	5.7	4.4	6.6



#74

Fluoranthene

Concen: 64.87 ng

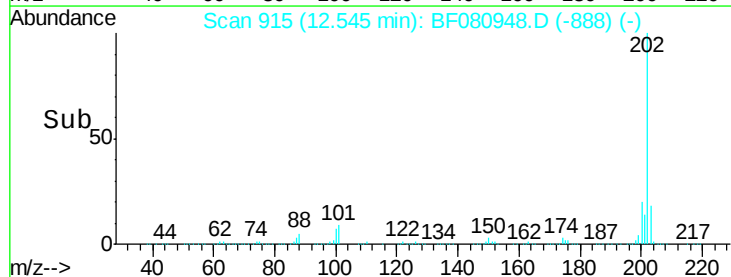
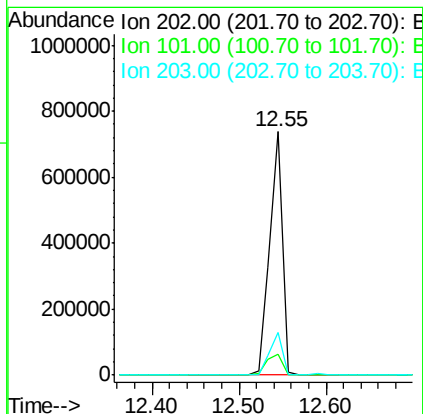
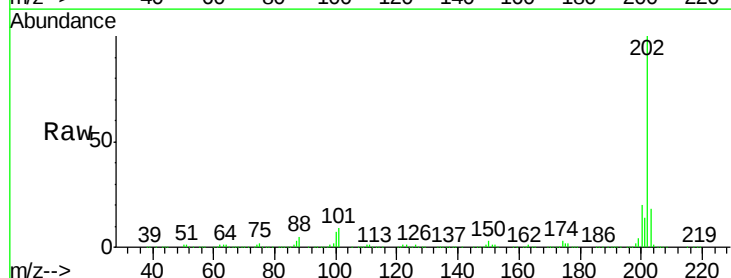
RT: 12.55 min Scan# 915

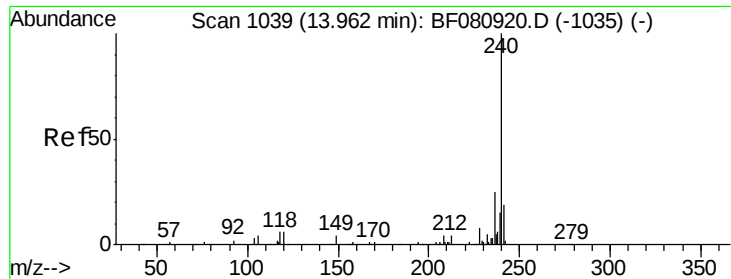
Delta R.T. 0.01 min

Lab File: BF080948.D

Acq: 8 Aug 2015 4:10

Tgt Ion:	202	Resp:	752300
Ion Ratio	Lower	Upper	
202	100		
101	8.7	0.0	30.5
203	17.7	0.0	37.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.96 min Scan# 1039

Delta R.T. 0.00 min

Lab File: BF080948.D

Acq: 8 Aug 2015 4:10

Instrument :

BNA_F

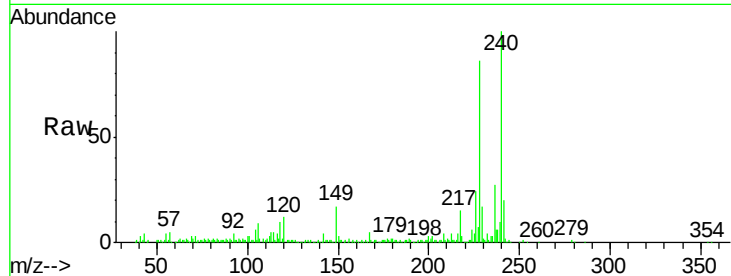
ClientSampleId :

SOIL-5MSD

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.8	5.2	7.8#
236	26.6	20.2	30.4

Manual Integrations
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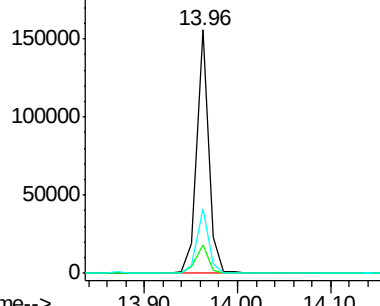
MMDadoda
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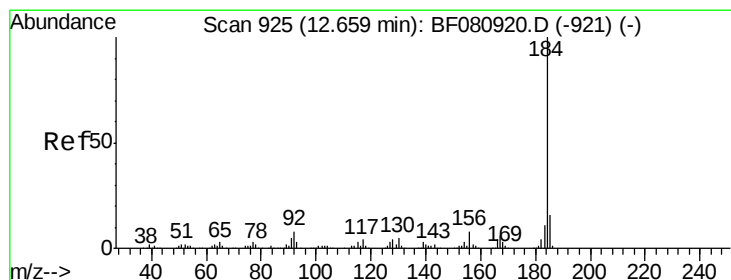
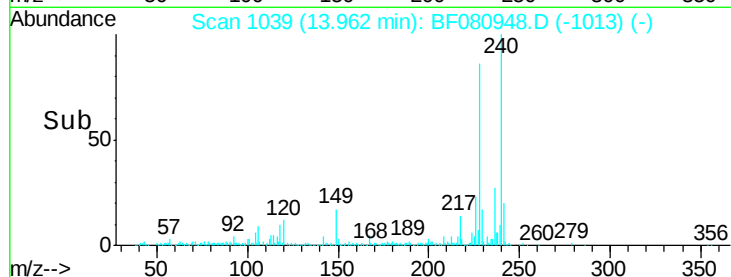
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#76

Benzidine

Concen: 52.48 ng

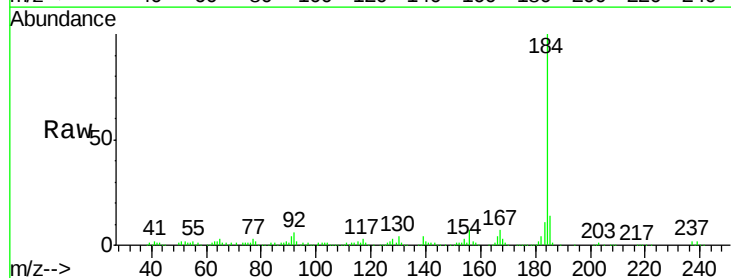
RT: 12.67 min Scan# 926

Delta R.T. 0.01 min

Lab File: BF080948.D

Acq: 8 Aug 2015 4:10

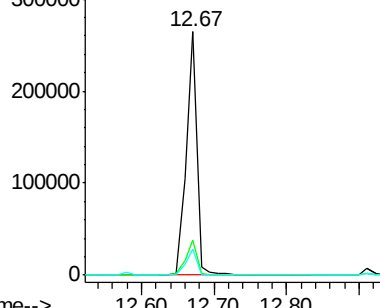
Tgt Ion	Ratio	Lower	Upper
184	100		
185	14.2	13.0	19.4
183	10.8	8.7	13.1



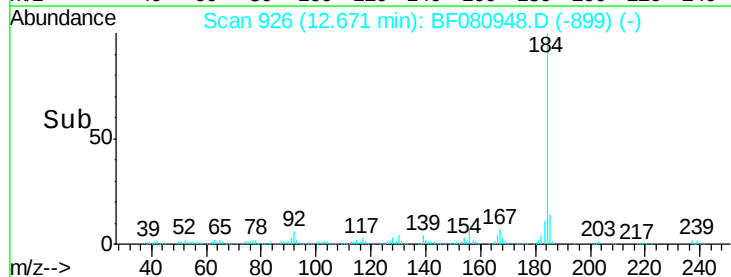
Abundance Ion 184.00 (183.70 to 184.70): E

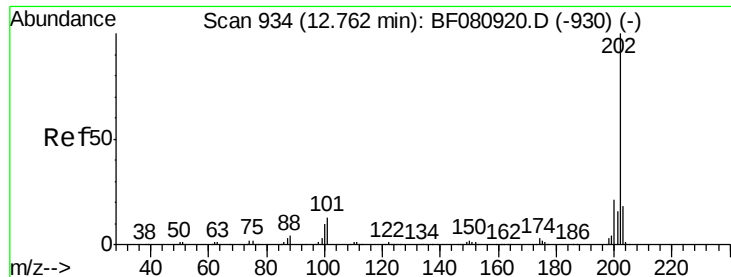
Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



Time-->





#77

Pvrene

Concen: 63.83 ng

RT: 12.77 min Scan# 935

Delta R.T. 0.01 min

Lab File: BF080948.D

Acq: 8 Aug 2015 4:10

Instrument :

BNA_F

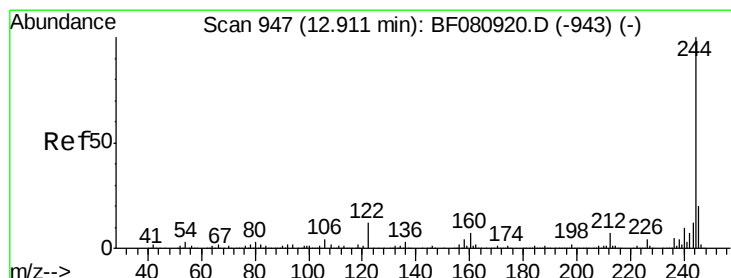
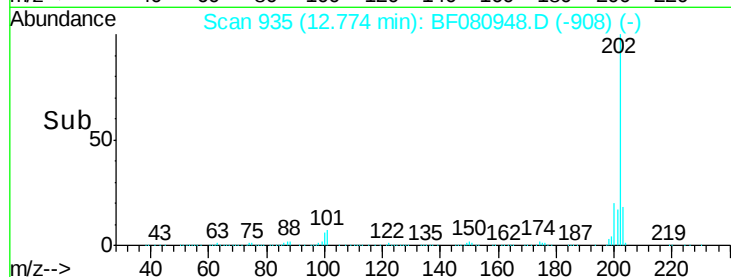
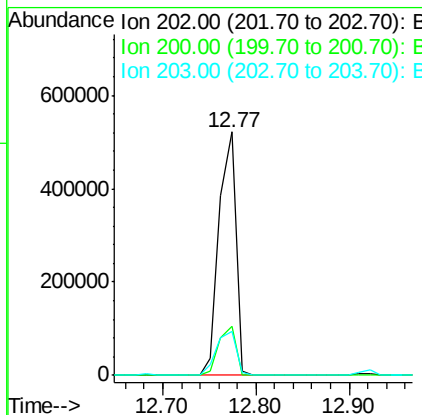
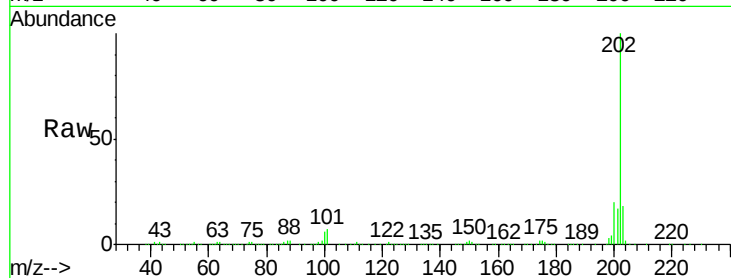
ClientSampleId :

SOIL-5MSD

Tot Ion:	202	Resp:	656093
Ion Ratio		Lower	Upper
202	100		
200	20.2	16.6	24.8
203	17.8	14.2	21.2

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#78

Terphenyl-d14

Concen: 69.76 ng

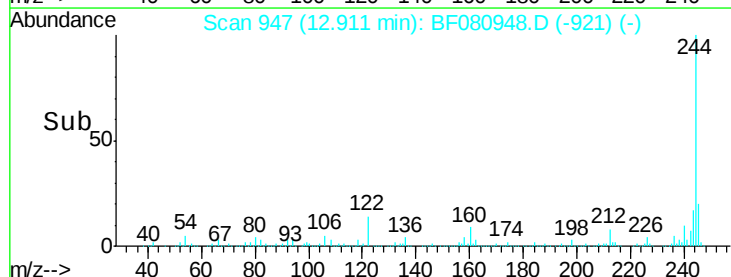
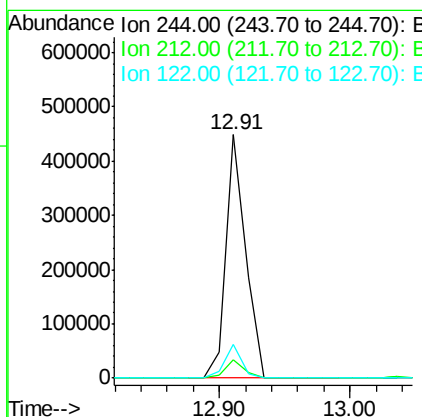
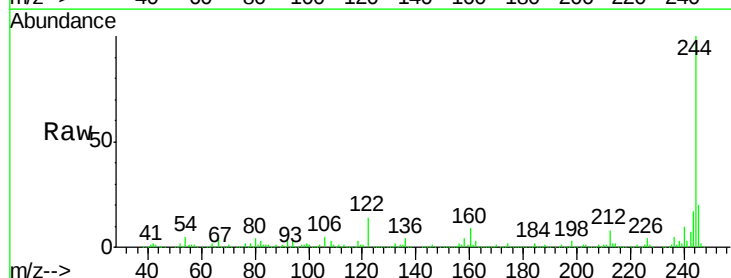
RT: 12.91 min Scan# 947

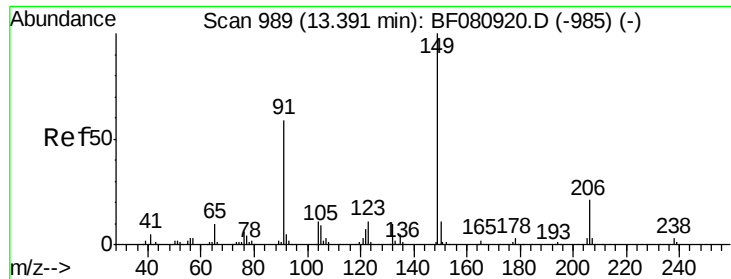
Delta R.T. 0.00 min

Lab File: BF080948.D

Acq: 8 Aug 2015 4:10

Tgt Ion:	244	Resp:	469905
Ion Ratio		Lower	Upper
244	100		
212	7.7	5.8	8.8
122	13.8	9.4	14.2





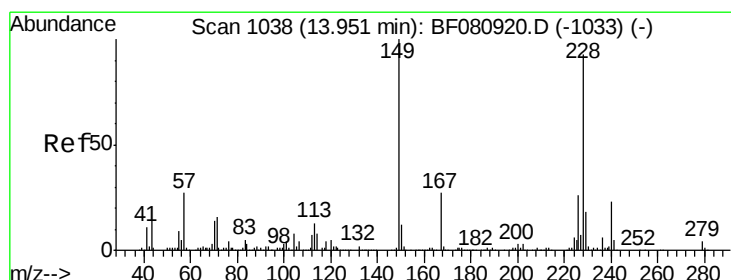
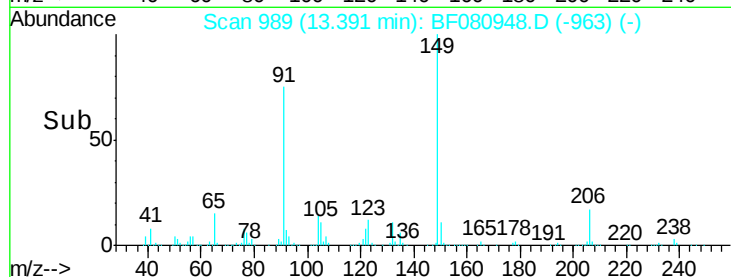
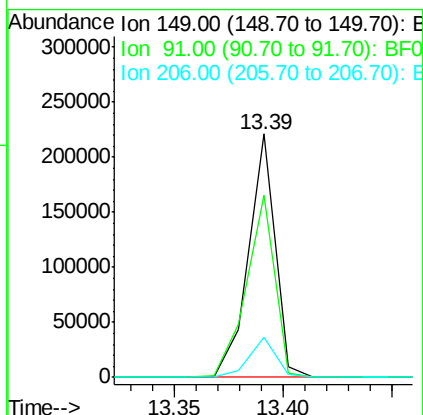
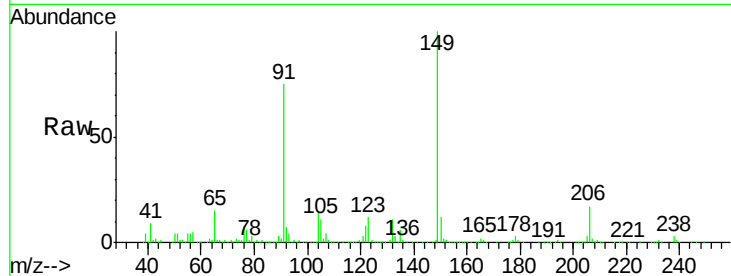
#79
Butylbenzylphthalate
Concen: 37.84 ng
RT: 13.39 min Scan# 989
Delta R.T. 0.00 min
Lab File: BF080948.D
Acq: 8 Aug 2015 4:10

Instrument :
BNA_F
ClientSampleId :
SOIL-5MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
149	100		187521		
91	74.8	47.2	70.8#		
206	16.7	16.5	24.7		

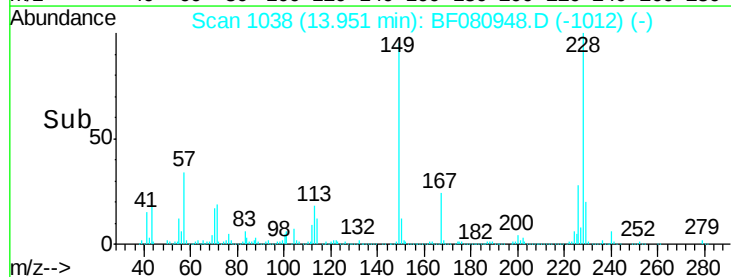
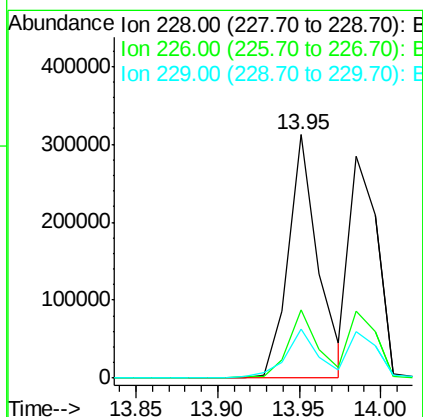
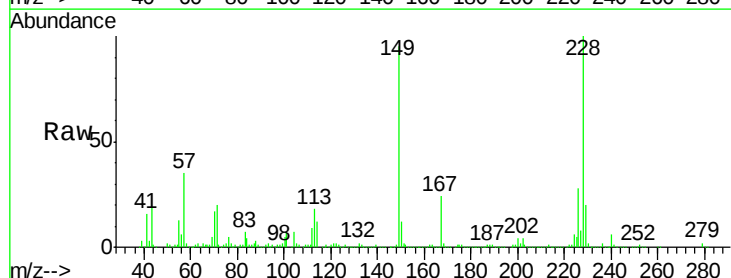
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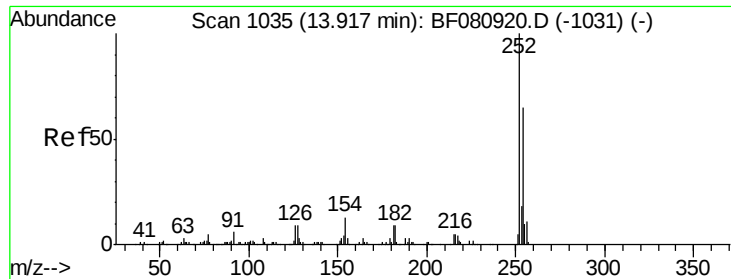
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#80
Benzo(a)anthracene
Concen: 45.41 ng
RT: 13.95 min Scan# 1038
Delta R.T. 0.00 min
Lab File: BF080948.D
Acq: 8 Aug 2015 4:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
228	100		399108		
226	27.9	22.2	33.2		
229	20.1	15.8	23.6		





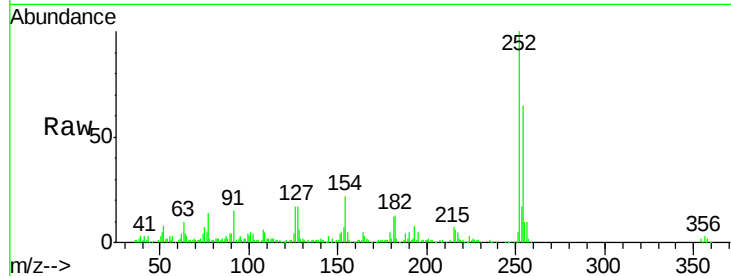
#81
 3,3'-Dichlorobenzidine
 Concen: 60.36 ng
 RT: 13.92 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: BF080948.D
 Acq: 8 Aug 2015 4:10

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-5MSD

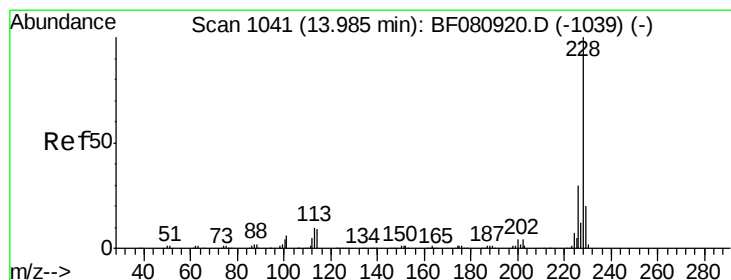
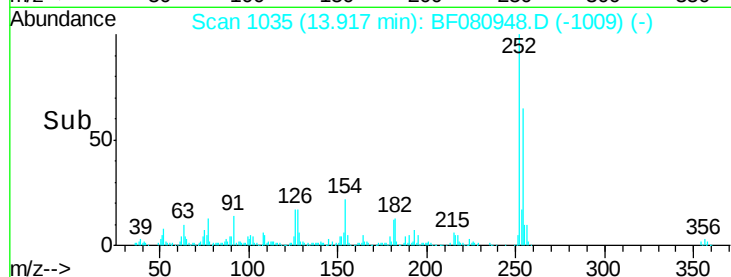
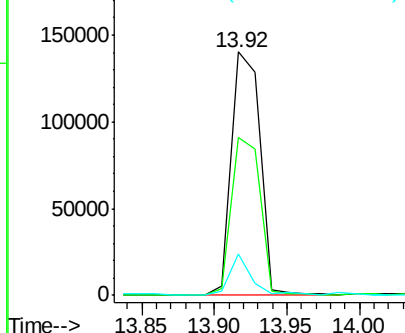
Tot Ion	Ratio	Resp Lower	Upper
252	100		
254	64.8	51.7	77.5
126	16.9	7.1	10.7

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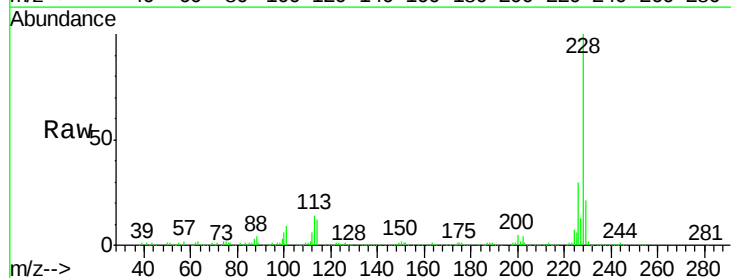


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

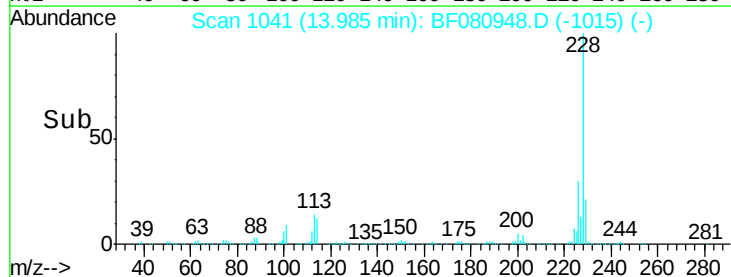
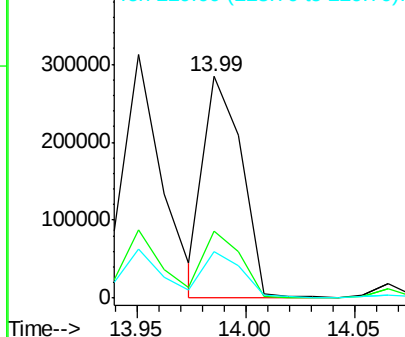


#82
 Chrysene
 Concen: 40.77 ng
 RT: 13.99 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: BF080948.D
 Acq: 8 Aug 2015 4:10

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	30.3	23.9	35.9
229	20.9	15.8	23.6



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 37.13 ng

RT: 13.95 min Scan# 1038

Delta R.T. 0.00 min

Lab File: BF080948.D

Acq: 8 Aug 2015 4:10

Instrument :

BNA_F

ClientSampleId :

SOIL-5MSD

Tot Ion:149 Resp: 256030

Ion Ratio Lower Upper

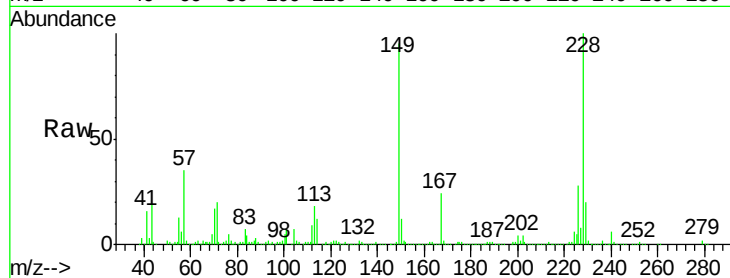
149 100

167 25.5 21.4 32.0

279 2.5 2.9 4.3#

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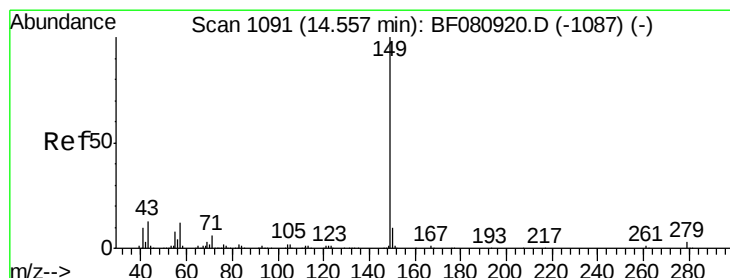
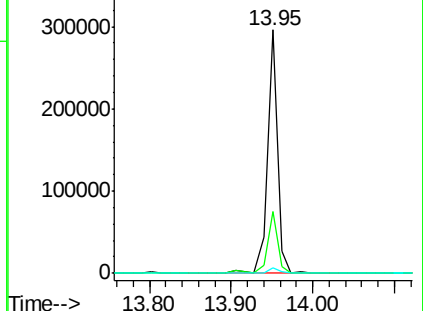
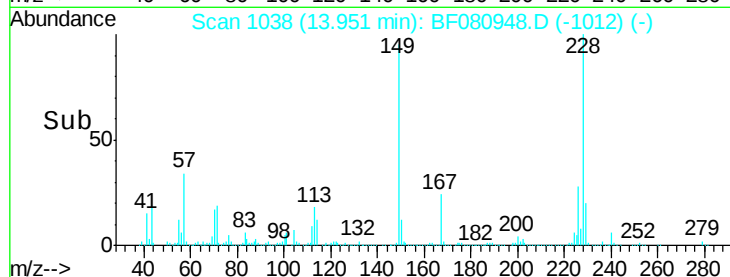
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 31.71 ng

RT: 14.56 min Scan# 1091

Delta R.T. 0.00 min

Lab File: BF080948.D

Acq: 8 Aug 2015 4:10

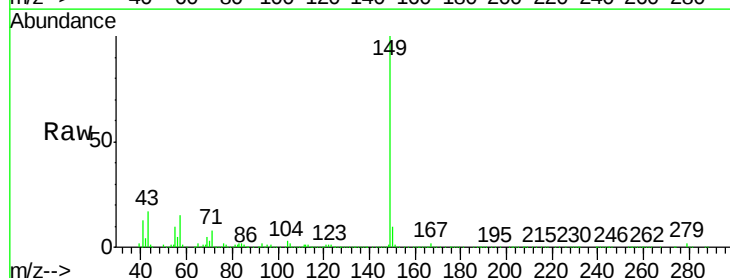
Tgt Ion:149 Resp: 370727

Ion Ratio Lower Upper

149 100

167 1.8 1.1 1.7#

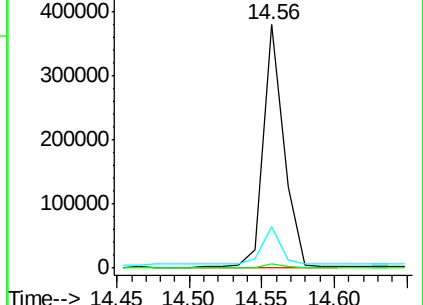
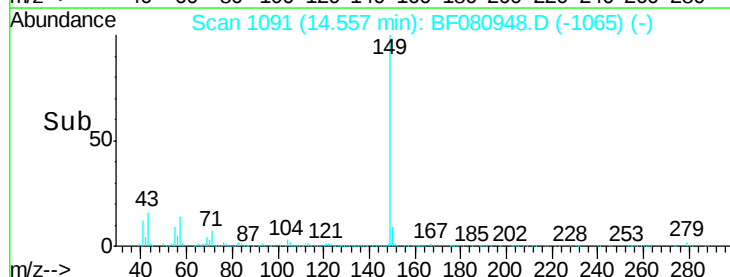
43 14.6 11.0 16.4

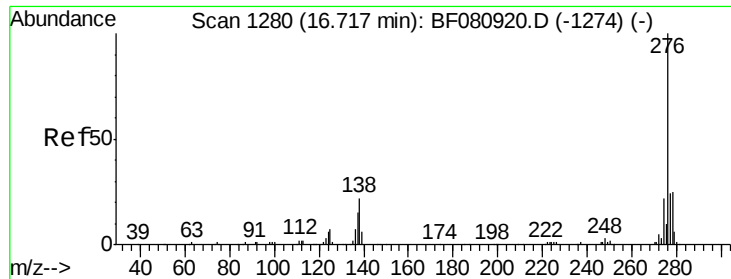


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0





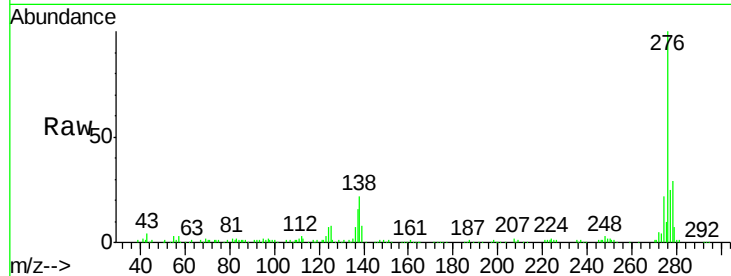
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 32.20 ng
 RT: 16.73 min Scan# 1281
 Delta R.T. 0.01 min
 Lab File: BF080948.D
 Acq: 8 Aug 2015 4:10

Instrument :
 BNA_F
 ClientSampled :
 SOIL-5MSD

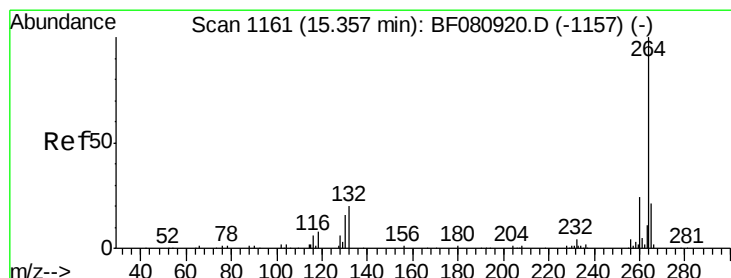
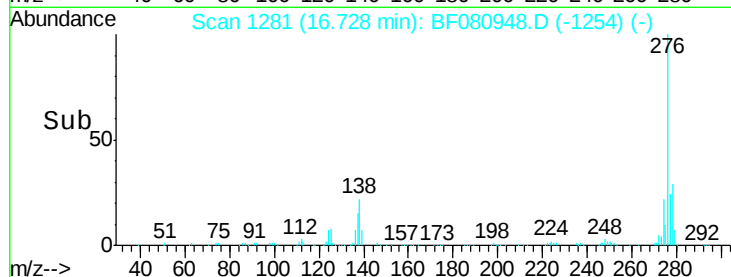
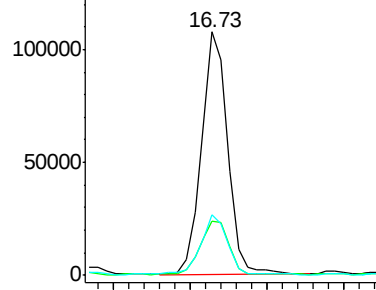
Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	25.3	19.9	29.9
277	25.9	19.7	29.5

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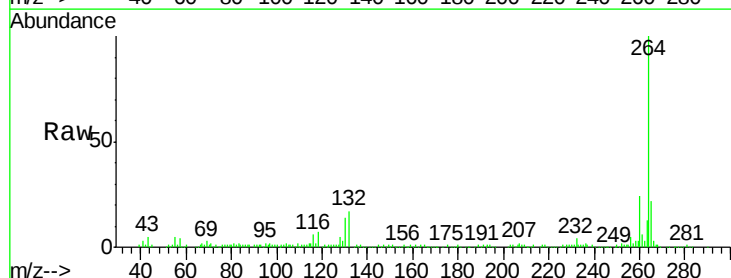


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

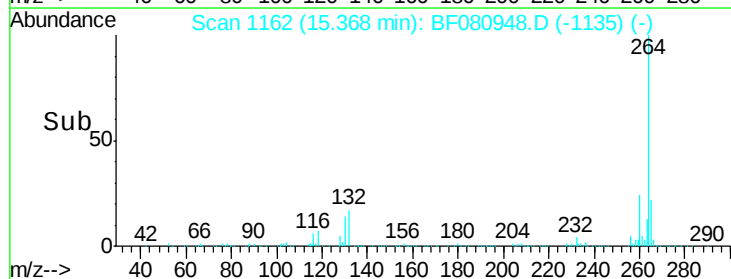
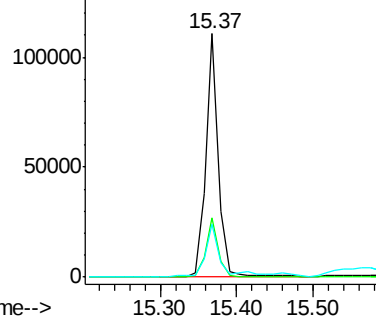


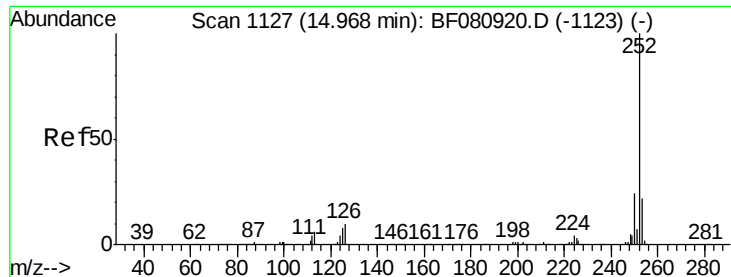
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.37 min Scan# 1162
 Delta R.T. 0.01 min
 Lab File: BF080948.D
 Acq: 8 Aug 2015 4:10

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	24.4	19.4	29.0
265	22.0	17.0	25.4



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 40.64 ng m

RT: 14.97 min Scan# 1127

Delta R.T. 0.00 min

Lab File: BF080948.D

Acq: 8 Aug 2015 4:10

Instrument :

BNA_F

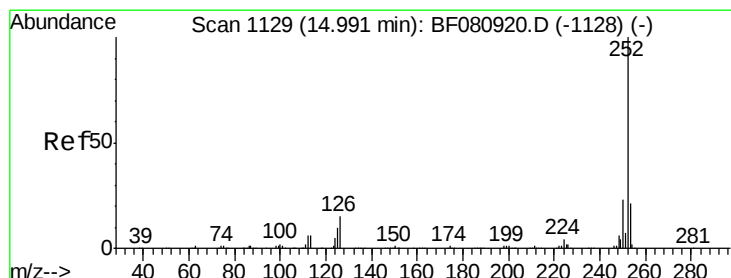
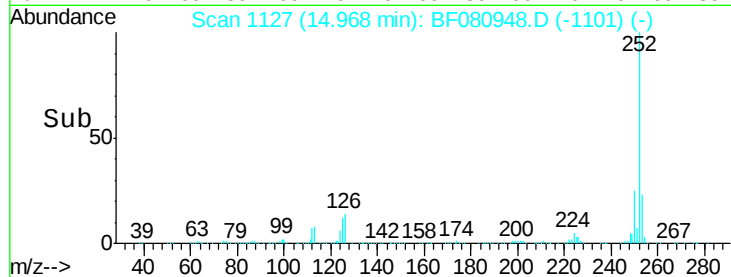
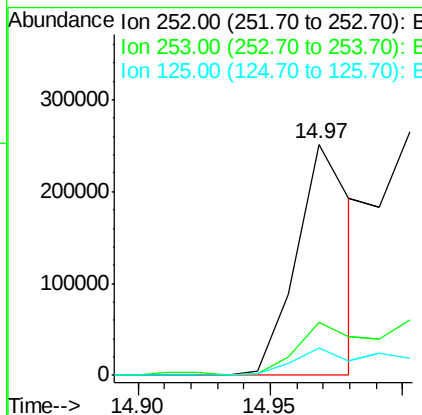
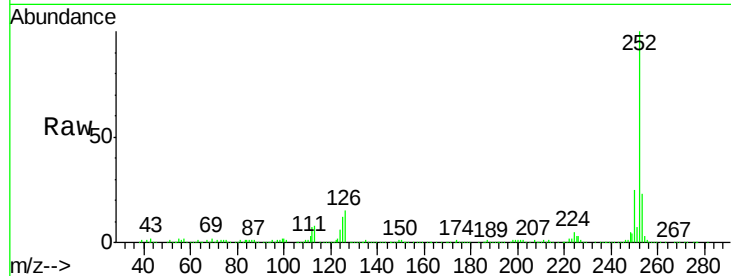
ClientSampleId :

SOIL-5MSD

Tot Ion:	252	Resp:	368122
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.6	26.4
125	12.0	6.1	9.1#

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#88

Benzo(k)fluoranthene

Concen: 40.84 ng m

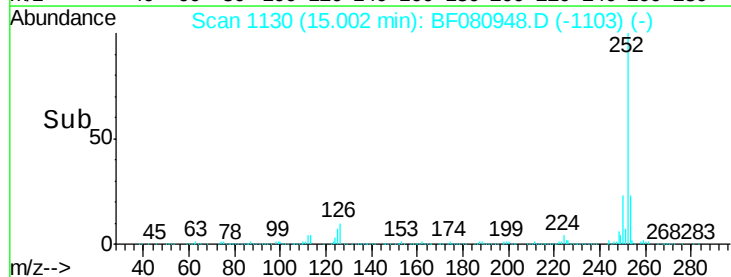
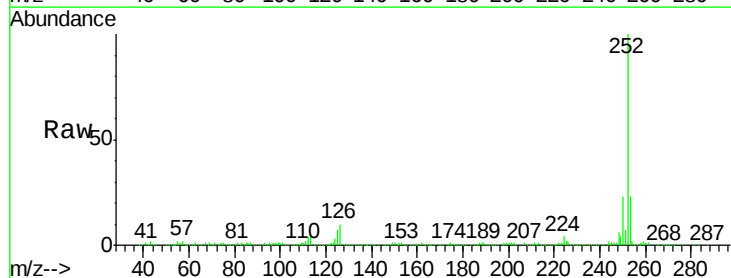
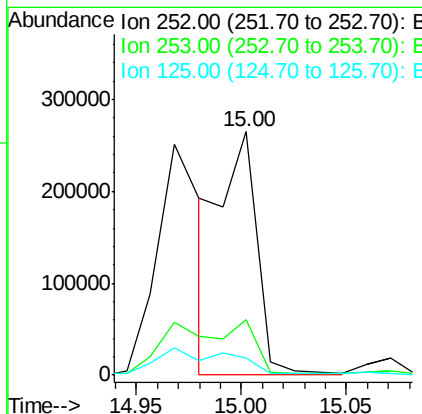
RT: 15.00 min Scan# 1130

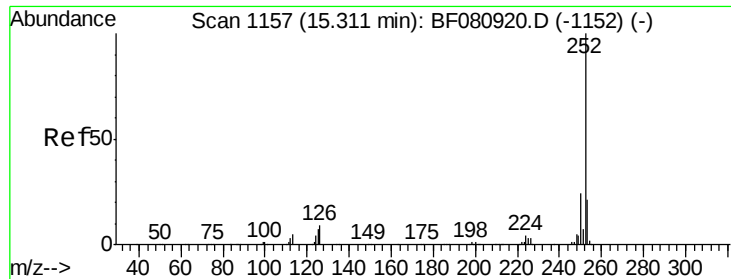
Delta R.T. 0.01 min

Lab File: BF080948.D

Acq: 8 Aug 2015 4:10

Tgt Ion:	252	Resp:	323579
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.4	26.2
125	7.1	9.0	13.6#





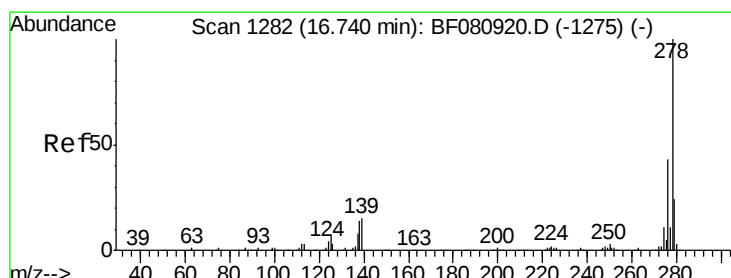
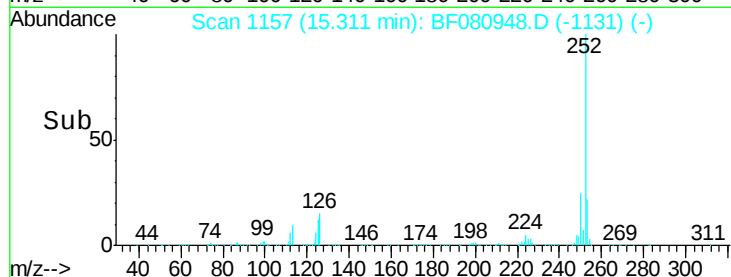
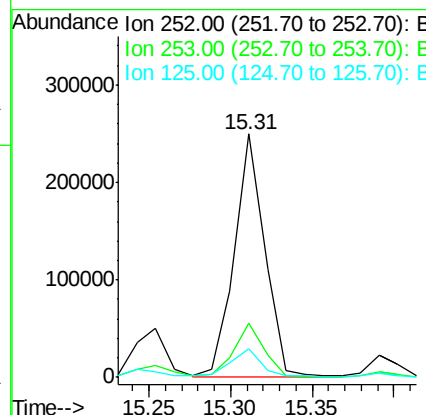
#89
Benzo(a)pyrene
Concen: 41.04 ng
RT: 15.31 min Scan# 1157
Delta R.T. 0.00 min
Lab File: BF080948.D
Acq: 8 Aug 2015 4:10

Instrument :
BNA_F
ClientSampleId :
SOIL-5MSD

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
253	22.4	16.9	25.3	
125	11.8	5.8	8.8	

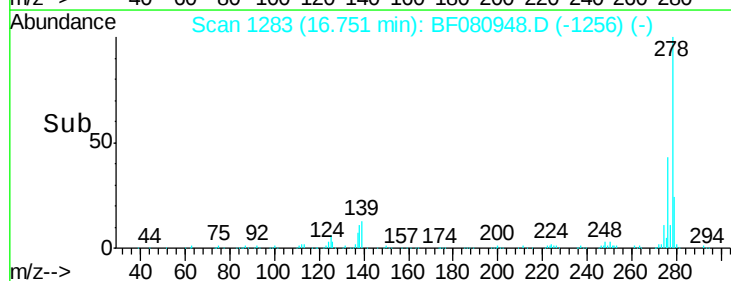
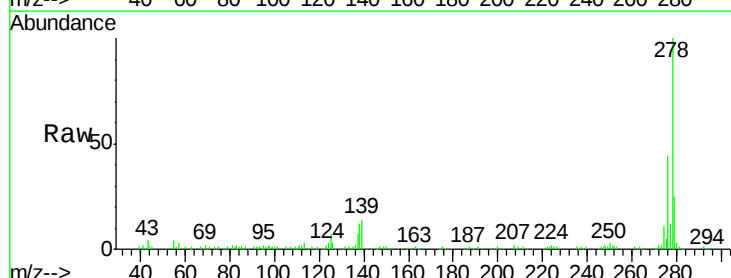
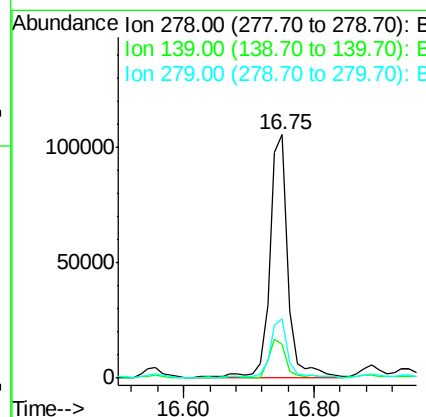
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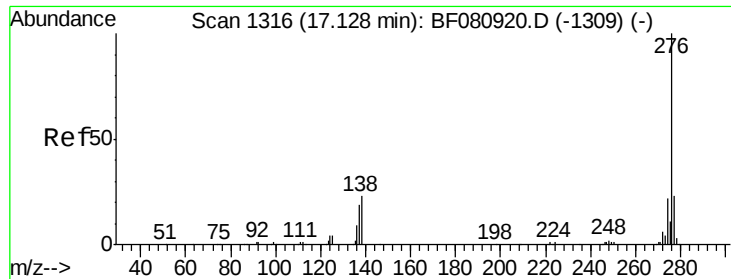
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#90
Dibenzo(a,h)anthracene
Concen: 29.63 ng
RT: 16.75 min Scan# 1283
Delta R.T. 0.01 min
Lab File: BF080948.D
Acq: 8 Aug 2015 4:10

Tgt Ion	Ratio	Resp	Lower	Upper
278	100			
139	13.6	11.9	17.9	
279	24.5	19.0	28.6	





#91
 Benzo(a,h,i)perylene
 Concen: 29.70 ng
 RT: 17.14 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: BF080948.D
 Acq: 8 Aug 2015 4:10

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-5MSD

Tot Ion:	276	Resp:	198884
Ion Ratio	Lower	Upper	
276	100		
277	23.8	18.6	28.0
138	20.7	18.4	27.6

Manual Integrations
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