

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080715\
 Data File : BF080947.D
 Acq On : 8 Aug 2015 3:40
 Operator : TP/UM
 Sample : G3212-01MS
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-5MS

Manual Integrations
 APPROVED

MMDadoda
 8/10/2015 7:20:33 PM

Quant Time: Aug 08 04:37:32 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	46799	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	192107	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	93516	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	196230	20.00	ng	0.01
75) Chrysene-d12	13.96	240	125206	20.00	ng	0.00
86) Perylene-d12	15.37	264	110905	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.41	112	374302	130.68	ng	0.03
7) Phenol-d6	6.45	99	495322	126.20	ng	0.01
23) Nitrobenzene-d5	7.38	82	299844	73.83	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	108077	105.20	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	457901	68.93	ng	0.00
78) Terphenyl-d14	12.91	244	412309	68.02	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.37	88	38665	28.46	ng	97
3) Pyridine	3.09	79	104605	27.15	ng	97
4) n-Nitrosodimethylamine	3.02	42	60116	30.57	ng	95
6) Aniline	6.48	93	78238	13.57	ng	# 54
8) 2-Chlorophenol	6.60	128	97374	29.38	ng	93
9) Benzaldehyde	6.35	77	94799	35.83	ng	97
10) Phenol	6.46	94	111099	23.86	ng	# 45
11) bis(2-Chloroethyl)ether	6.54	93	102107	29.37	ng	96
12) 1,3-Dichlorobenzene	6.75	146	108833m	30.94	ng	
13) 1,4-Dichlorobenzene	6.83	146	117205	32.07	ng	97
14) 1,2-Dichlorobenzene	6.98	146	90248	27.31	ng	96
15) Benzyl Alcohol	6.96	79	104295	32.47	ng	92
16) 2,2'-oxybis(1-Chloropropan	7.09	45	186215	26.62	ng	97
17) 2-Methylphenol	7.08	107	82979	29.33	ng	# 93
18) Hexachloroethane	7.32	117	38237	27.30	ng	96
19) n-Nitroso-di-n-propylamine	7.23	70	77779	27.11	ng	95
20) 3+4-Methylphenols	7.23	107	104477	29.40	ng	# 78
22) Acetophenone	7.22	105	161858	34.39	ng	# 91
24) Nitrobenzene	7.39	77	104806	25.06	ng	96
25) Isophorone	7.64	82	219865	28.15	ng	98
26) 2-Nitrophenol	7.71	139	48751	27.71	ng	87
27) 2,4-Dimethylphenol	7.76	122	87073	26.43	ng	92
28) bis(2-Chloroethoxy)methane	7.85	93	122357	26.10	ng	98
29) 2,4-Dichlorophenol	7.96	162	85211	31.48	ng	91
30) 1,2,4-Trichlorobenzene	8.04	180	104308	35.25	ng	98
31) Naphthalene	8.12	128	312078	29.47	ng	100
32) Benzoic acid	7.82	122	5682	2.88	ng	88
33) 4-Chloroaniline	8.17	127	38888	9.04	ng	95
34) Hexachlorobutadiene	8.24	225	44788	25.44	ng	99
35) Caprolactam	8.53	113	35468	36.42	ng	# 71
36) 4-Chloro-3-methylphenol	8.66	107	94660	28.66	ng	96
37) 2-Methylnaphthalene	8.81	142	176243	26.15	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.98	216	107905	37.43	ng	98
40) Hexachlorocyclopentadiene	8.97	237	31441	19.99	ng	98

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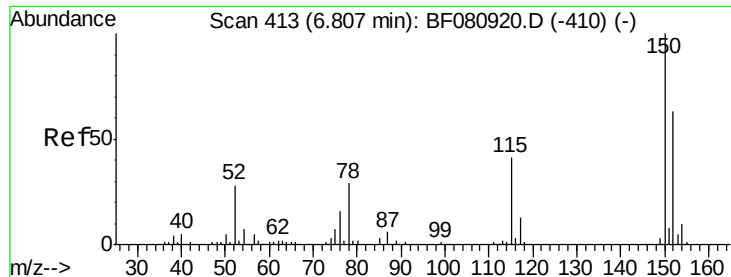
Manual Integrations
 APPROVED

MMDadoda
 8/10/2015 7:20:33 PM

Quant Time: Aug 08 04:37:32 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)
42) 2,4,6-Trichlorophenol	9.09	196	65463	30.98	nq	98
43) 2,4,5-Trichlorophenol	9.13	196	60776	28.54	nq	# 73
45) 1,1'-Biphenyl	9.28	154	330392	41.17	nq	99
46) 2-Chloronaphthalene	9.30	162	186980	29.88	nq	98
47) 2-Nitroaniline	9.39	65	68682	27.37	nq	93
48) Acenaphthylene	9.71	152	311955	28.68	nq	100
49) Dimethylphthalate	9.57	163	287810	37.05	nq	100
50) 2,6-Dinitrotoluene	9.64	165	45627	28.43	nq	# 48
51) Acenaphthene	9.88	154	186285	27.96	nq	99
52) 3-Nitroaniline	9.80	138	35325	17.85	nq	99
53) 2,4-Dinitrophenol	9.90	184	9650	15.28	nq	91
54) Dibenzofuran	10.05	168	257900	28.63	nq	97
55) 4-Nitrophenol	9.97	139	82617	55.79	nq	# 53
56) 2,4-Dinitrotoluene	10.03	165	58266	27.13	nq	88
57) Fluorene	10.40	166	225889	32.41	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.18	232	44334	26.31	nq	# 89
59) Diethylphthalate	10.28	149	217880	26.95	nq	95
60) 4-Chlorophenyl-phenylether	10.38	204	87128	25.66	nq	93
61) 4-Nitroaniline	10.42	138	58960	28.96	nq	88
62) Azobenzene	10.54	77	257430	28.47	nq	98
64) 4,6-Dinitro-2-methylphenol	10.44	198	14701	12.09	nq	94
65) n-Nitrosodiphenylamine	10.51	169	183522	26.92	nq	99
66) 4-Bromophenyl-phenylether	10.88	248	54491	26.22	nq	93
67) Hexachlorobenzene	10.94	284	62794	27.18	nq	# 90
68) Atrazine	11.04	200	62883	31.46	nq	97
69) Pentachlorophenol	11.14	266	78348	58.31	nq	98
70) Phenanthrene	11.36	178	378473	34.06	nq	98
71) Anthracene	11.40	178	280465	25.50	nq	99
72) Carbazole	11.56	167	301490	28.15	nq	98
73) Di-n-butylphthalate	11.89	149	340994	25.46	nq	100
74) Fluoranthene	12.53	202	393337	32.75	nq	97
76) Benzidine	12.67	184	221137	41.50	nq	96
77) Pyrene	12.76	202	383908	41.51	nq	98
79) Butylbenzylphthalate	13.39	149	149044	33.43	nq	# 86
80) Benzo(a)anthracene	13.95	228	270582	34.21	nq	99
81) 3,3'-Dichlorobenzidine	13.92	252	168965	58.73	nq	# 97
82) Chrysene	13.99	228	213936	28.25	nq	99
83) Bis(2-ethylhexyl)phthalate	13.95	149	211461	34.08	nq	# 97
84) Di-n-octyl phthalate	14.56	149	311022	29.57	nq	97
85) Indeno(1,2,3-cd)pyrene	16.73	276	200119	27.77	nq	99
87) Benzo(b)fluoranthene	14.97	252	248750m	32.25	nq	
88) Benzo(k)fluoranthene	14.99	252	194445m	28.82	nq	
89) Benzo(a)pyrene	15.31	252	221389	33.40	nq	# 97
90) Dibenzo(a,h)anthracene	16.74	278	166532	28.41	nq	99
91) Benzo(g,h,i)perylene	17.14	276	157420	27.61	nq	# 94

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



#1

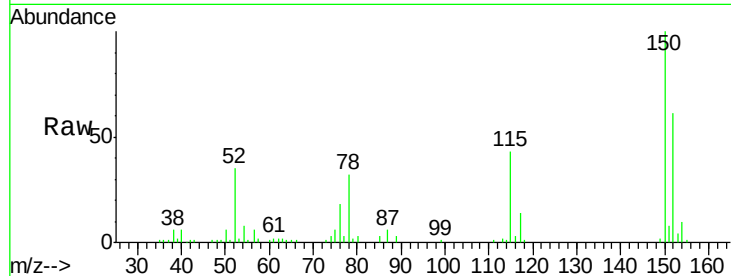
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. 0.00 min
Lab File: BF080947.D
Acq: 8 Aug 2015 3:40

Instrument :
BNA_F
ClientSampleId :
SOIL-5MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	165.2	127.4	191.2
115	71.4	52.6	78.8

Manual Integrations
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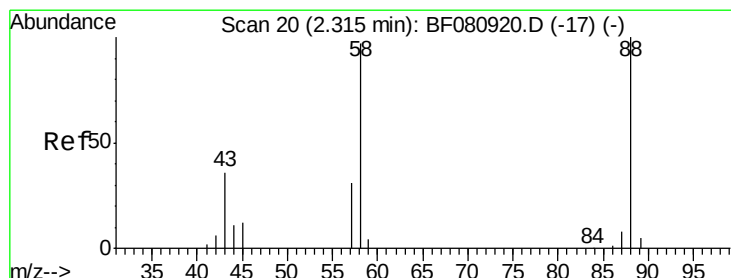
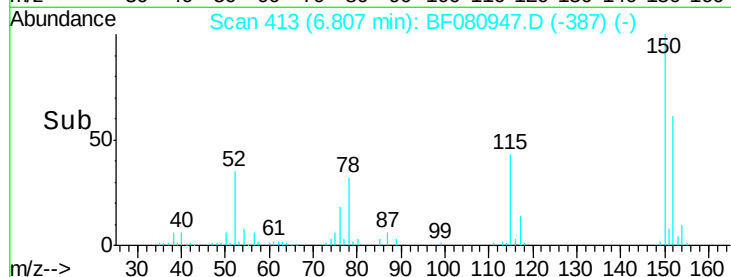
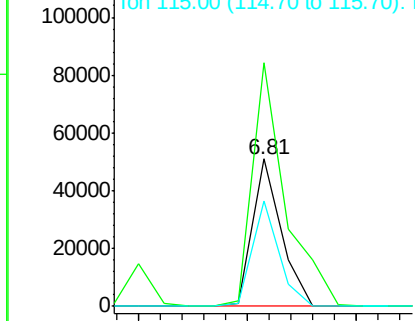


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

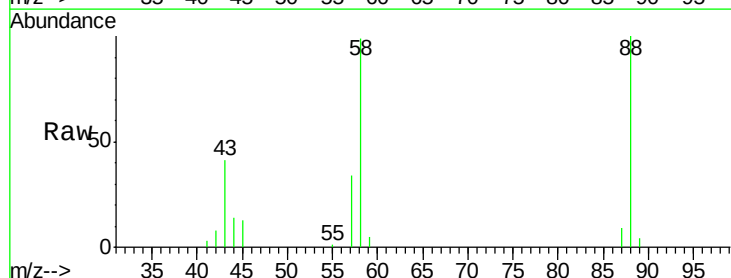
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 28.46 ng
RT: 2.37 min Scan# 25
Delta R.T. 0.06 min
Lab File: BF080947.D
Acq: 8 Aug 2015 3:40

Tgt Ion	Ratio	Lower	Upper
88	100		
58	100.6	79.3	118.9
43	39.8	28.3	42.5

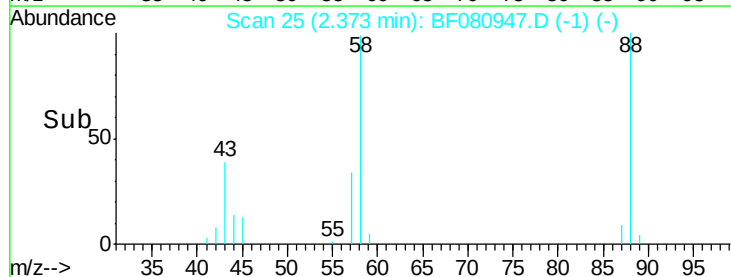
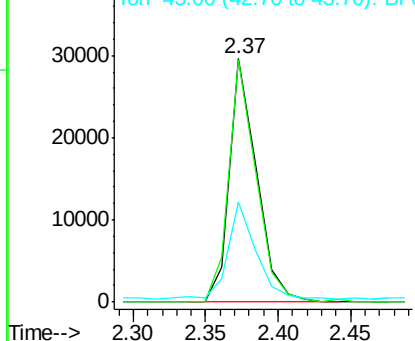


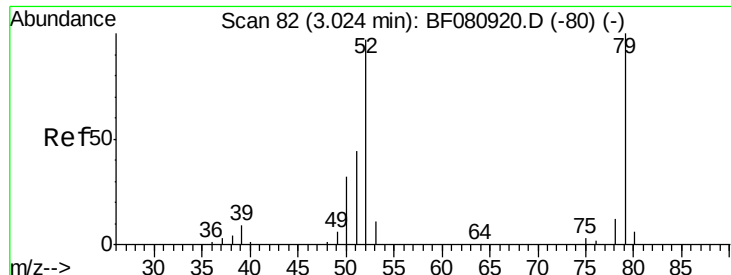
Abundance

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: 27.15 ng

RT: 3.09 min Scan# 88

Delta R.T. 0.07 min

Lab File: BF080947.D

Acq: 8 Aug 2015 3:40

Instrument :

BNA_F

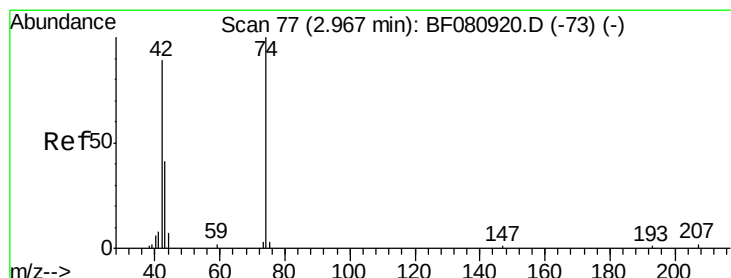
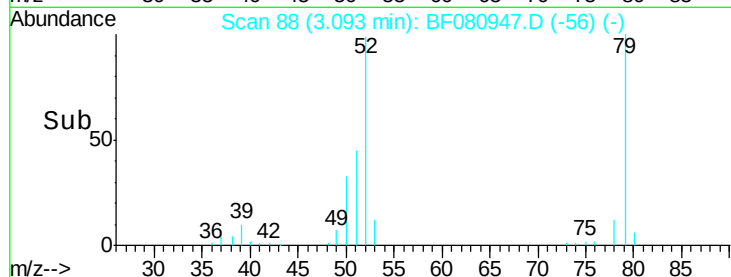
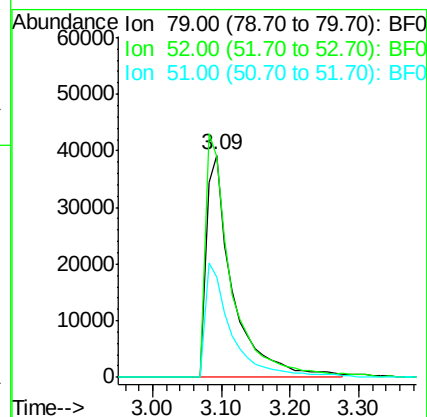
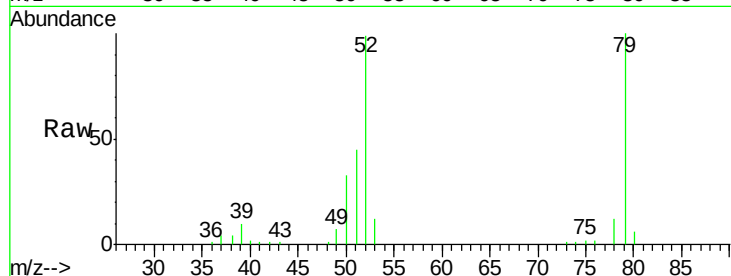
ClientSampleId :

SOIL-5MS

Tot Ion:	79	Resp:	104605
Ion Ratio	Lower	Upper	
79	100		
52	99.1	77.2	115.8
51	45.3	35.0	52.4

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#4

n-Nitrosodimethylamine

Concen: 30.57 ng

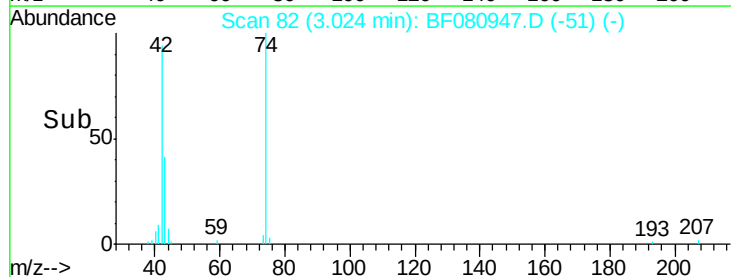
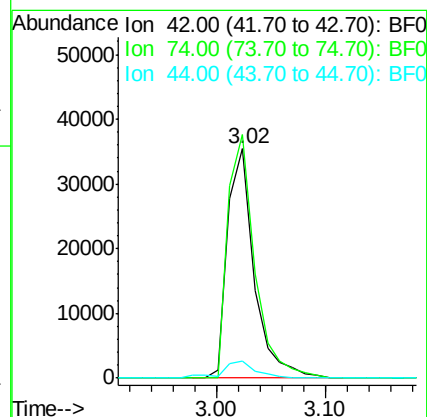
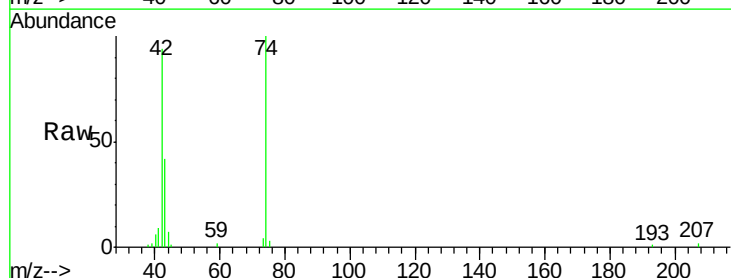
RT: 3.02 min Scan# 82

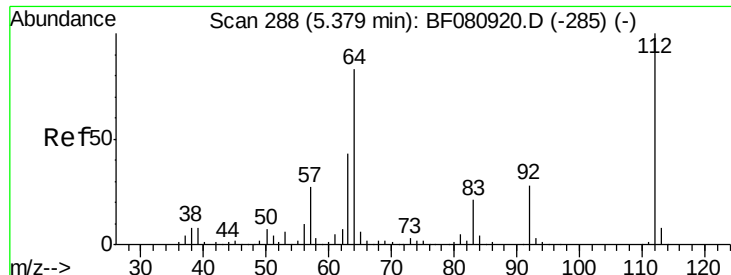
Delta R.T. 0.06 min

Lab File: BF080947.D

Acq: 8 Aug 2015 3:40

Tgt Ion:	42	Resp:	60116
Ion Ratio	Lower	Upper	
42	100		
74	106.4	89.8	134.8
44	7.5	6.5	9.7





#5

2-Fluorophenol

Concen: 130.68 ng

RT: 5.41 min Scan# 291

Delta R.T. 0.03 min

Lab File: BF080947.D

Acq: 8 Aug 2015 3:40

Instrument :

BNA_F

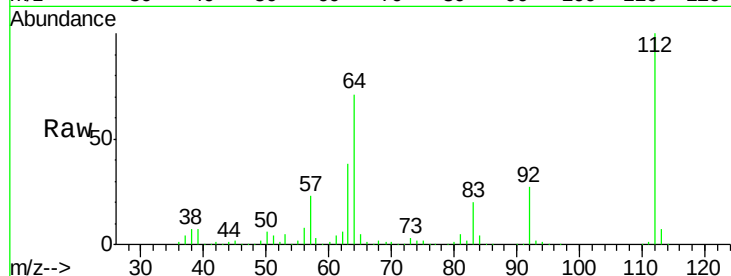
ClientSampleId :

SOIL-5MS

Tot Ion:	112	Resp:	374302
Ion Ratio	Lower	Upper	
112	100		
64	70.7	66.1	99.1
63	37.7	34.6	52.0

Manual Integrations
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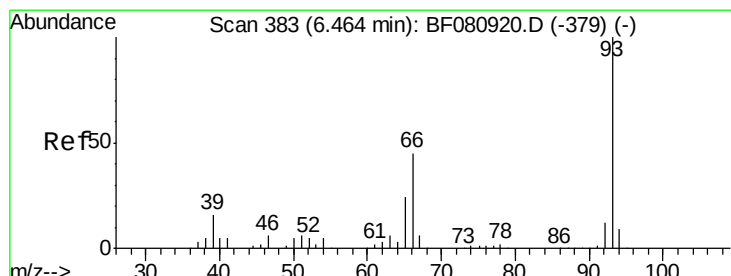
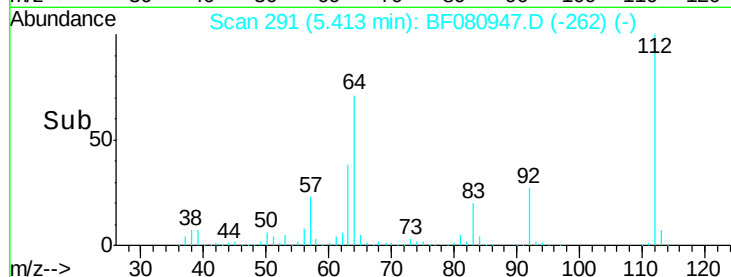
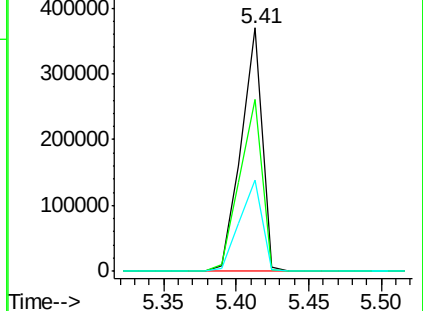
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Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 13.57 ng

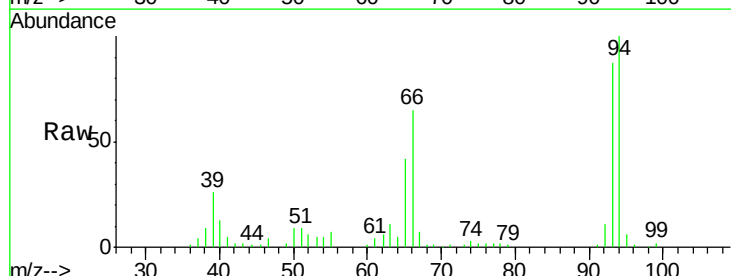
RT: 6.48 min Scan# 384

Delta R.T. 0.01 min

Lab File: BF080947.D

Acq: 8 Aug 2015 3:40

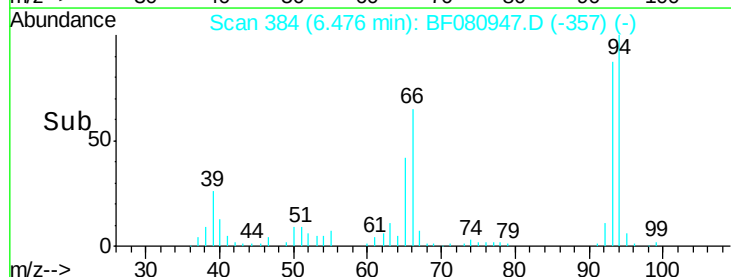
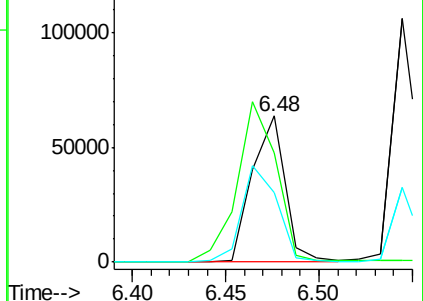
Tgt Ion:	93	Resp:	78238
Ion Ratio	Lower	Upper	
93	100		
66	74.6	36.2	54.4#
65	47.8	19.0	28.4#

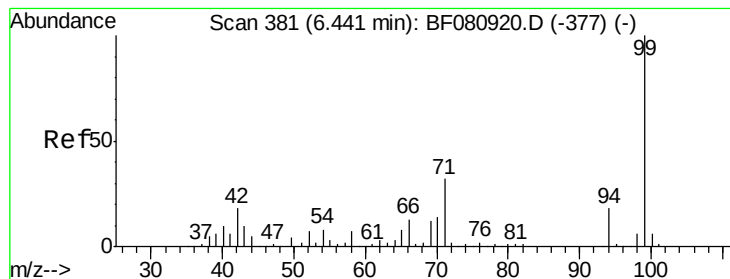


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 126.20 ng

RT: 6.45 min Scan# 382

Delta R.T. 0.01 min

Lab File: BF080947.D

Acq: 8 Aug 2015 3:40

Instrument :

BNA_F

ClientSampleId :

SOIL-5MS

Tot Ion: 99 Resp: 495322

Ion Ratio Lower Upper

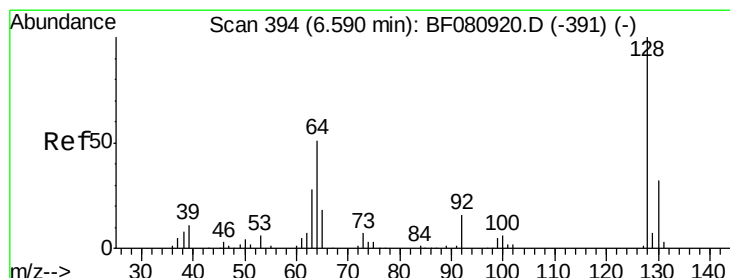
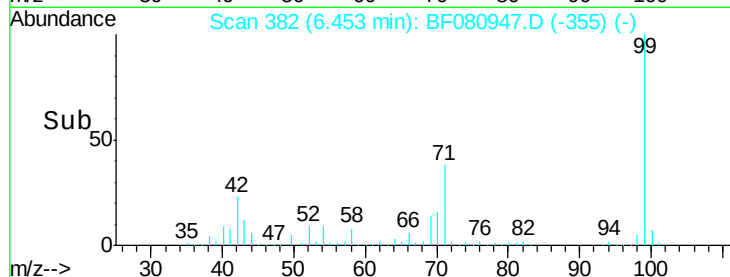
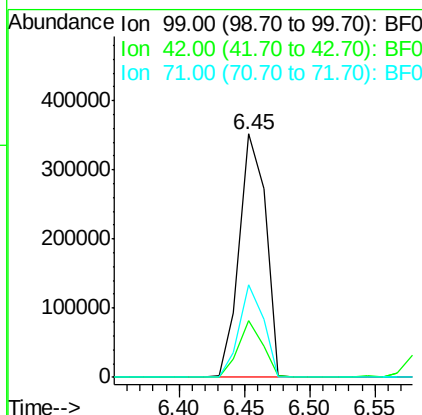
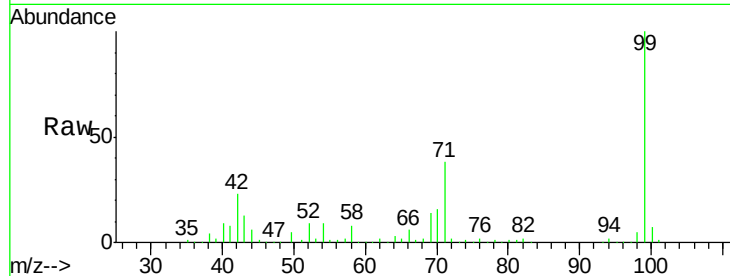
99 100

42 23.5 14.4 21.6#

71 38.1 25.8 38.8

Manual Integrations
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#8

2-Chlorophenol

Concen: 29.38 ng

RT: 6.60 min Scan# 395

Delta R.T. 0.01 min

Lab File: BF080947.D

Acq: 8 Aug 2015 3:40

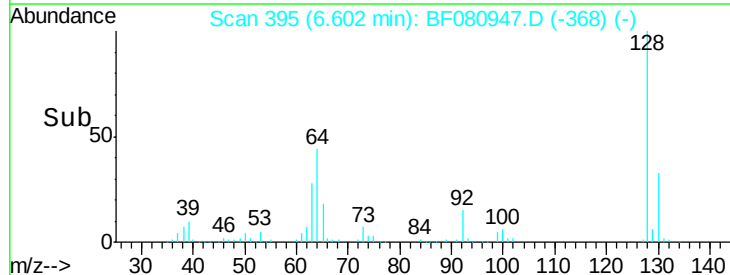
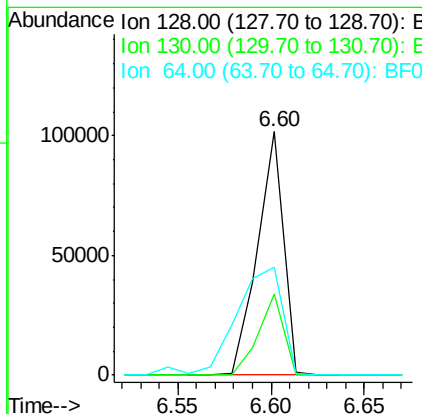
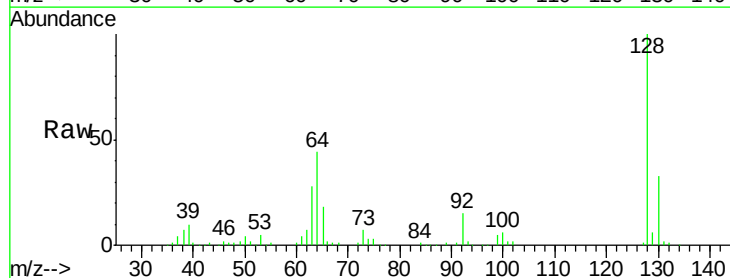
Tgt Ion: 128 Resp: 97374

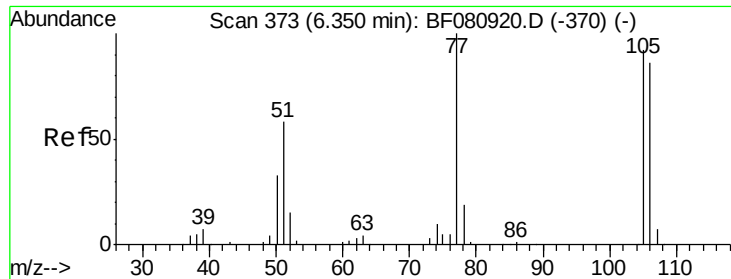
Ion Ratio Lower Upper

128 100

130 33.1 12.4 52.4

64 44.2 32.1 72.1





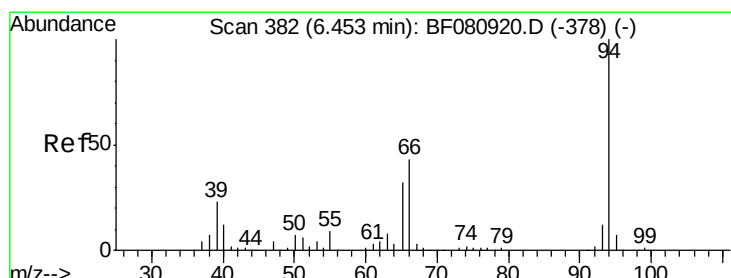
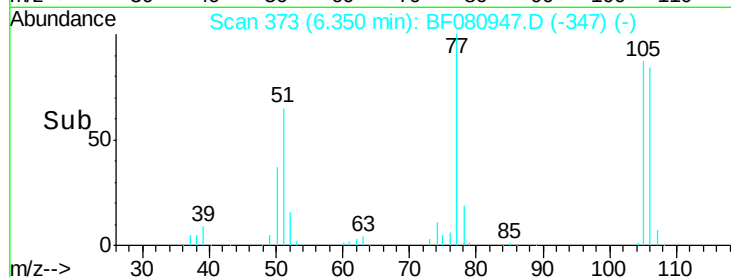
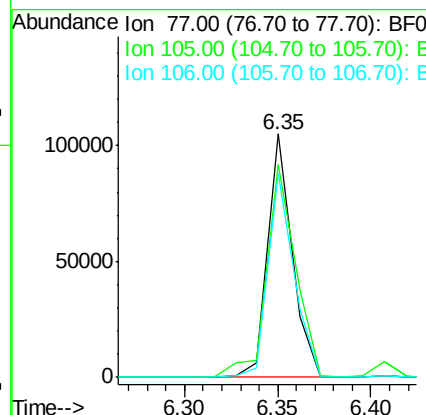
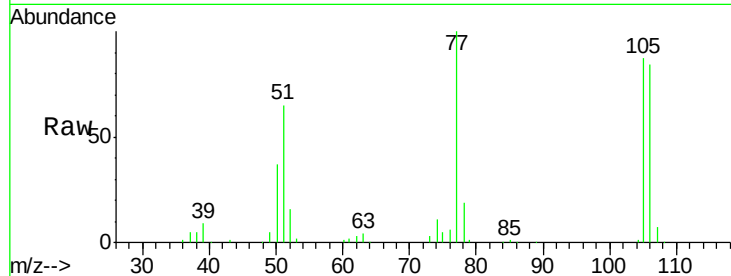
#9
Benzaldehyde
Concen: 35.83 ng
RT: 6.35 min Scan# 373
Delta R.T. 0.00 min
Lab File: BF080947.D
Acq: 8 Aug 2015 3:40

Instrument :
BNA_F
ClientSampled :
SOIL-5MS

Tot Ion	Ratio	Lower	Upper
77	100		
105	87.3	71.6	111.6
106	83.6	65.7	105.7

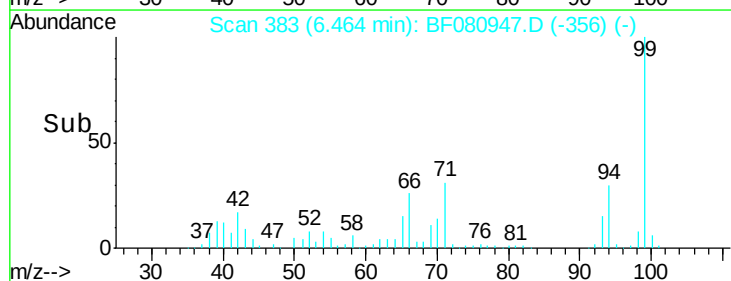
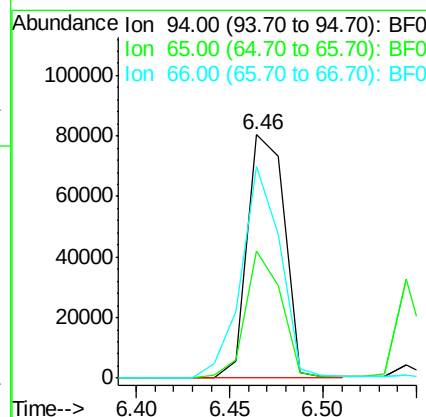
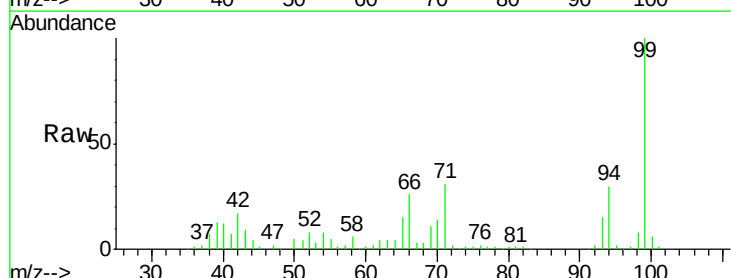
Manual Integrations
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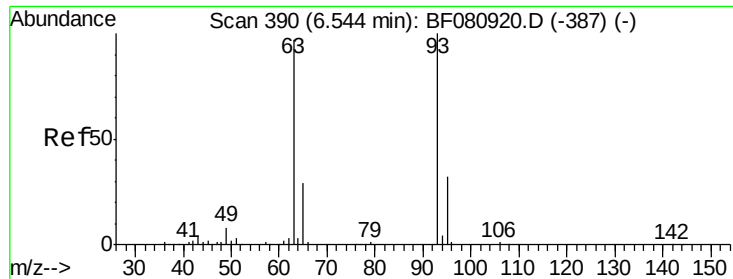
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#10
Phenol
Concen: 23.86 ng
RT: 6.46 min Scan# 383
Delta R.T. 0.01 min
Lab File: BF080947.D
Acq: 8 Aug 2015 3:40

Tgt Ion	Ratio	Lower	Upper
94	100		
65	52.0	11.8	51.8#
66	86.8	22.9	62.9#





#11

bis(2-Chloroethyl)ether

Concen: 29.37 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.00 min

Lab File: BF080947.D

Acq: 8 Aug 2015 3:40

Instrument :

BNA_F

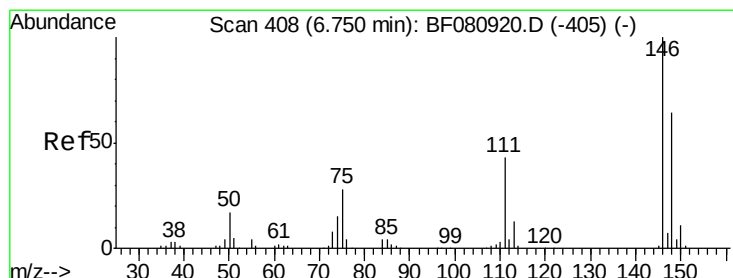
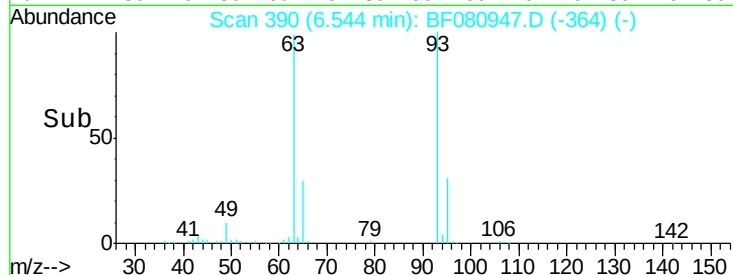
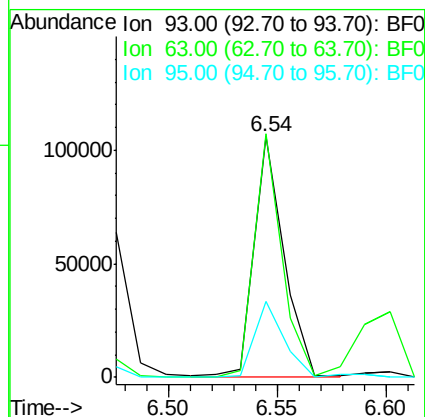
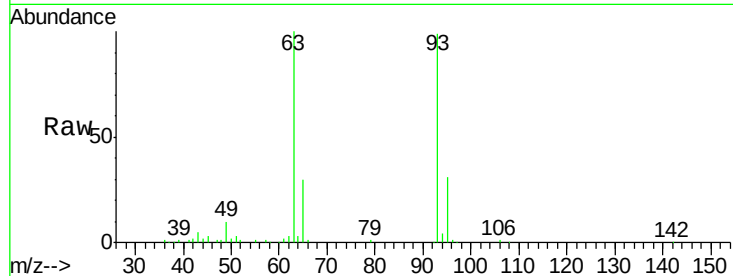
ClientSampled :

SOIL-5MS

Tot Ion:	93	Resp:	102107
Ion Ratio	Lower	Upper	
93	100		
63	101.0	76.7	116.7
95	31.3	12.3	52.3

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#12

1,3-Dichlorobenzene

Concen: 30.94 ng m

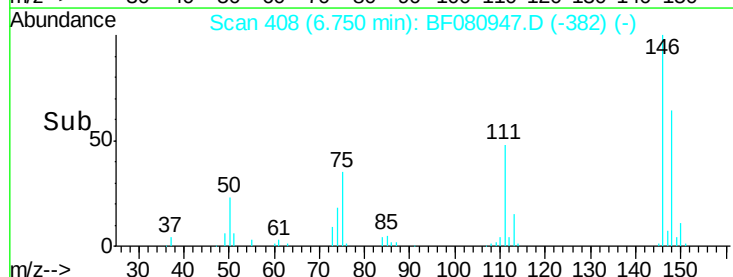
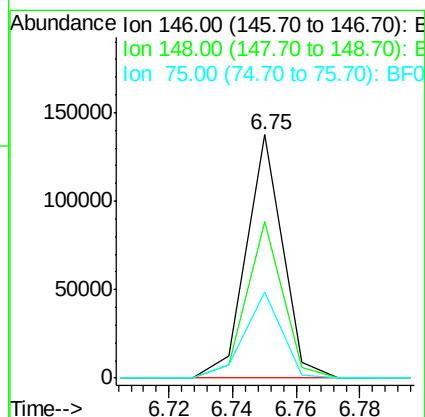
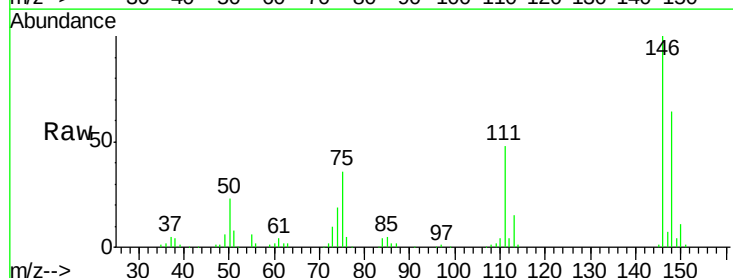
RT: 6.75 min Scan# 408

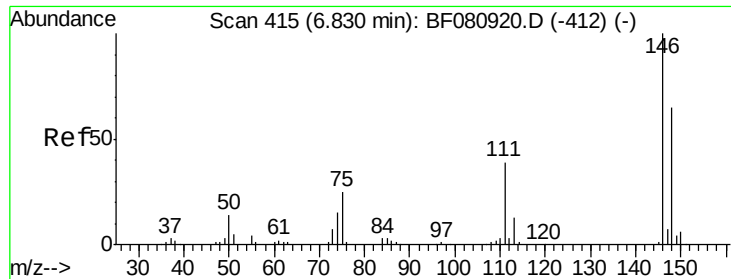
Delta R.T. 0.00 min

Lab File: BF080947.D

Acq: 8 Aug 2015 3:40

Tgt Ion:	146	Resp:	108833
Ion Ratio	Lower	Upper	
146	100		
148	64.1	51.4	77.0
75	35.6	22.2	33.4#





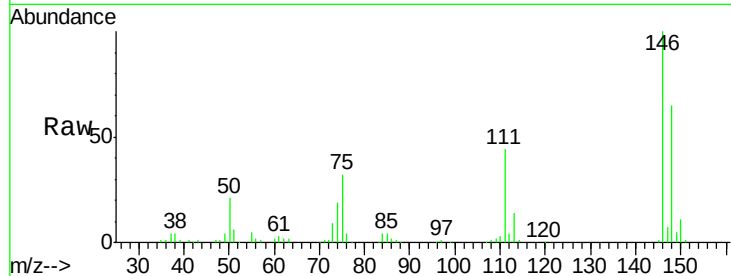
#13
 1,4-Dichlorobenzene
 Concen: 32.07 ng
 RT: 6.83 min Scan# 415
 Delta R.T. 0.00 min
 Lab File: BF080947.D
 Acq: 8 Aug 2015 3:40

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-5MS

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.6	52.2	78.4
111	43.8	31.5	47.3

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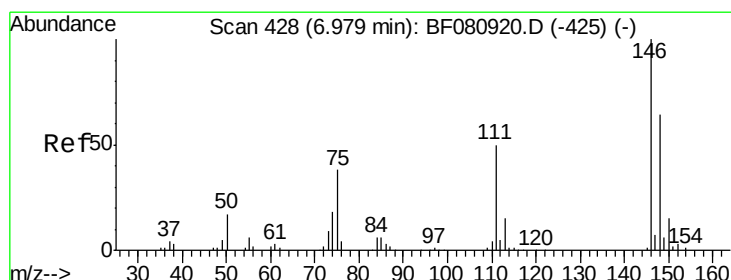
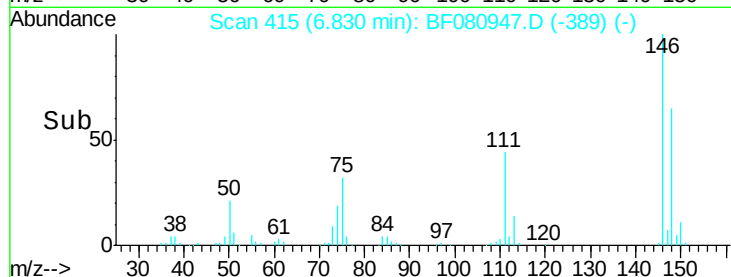
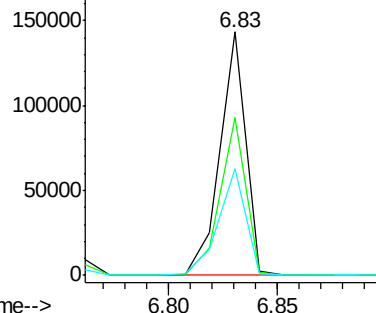


Abundance

Ion 146.00 (145.70 to 146.70): E

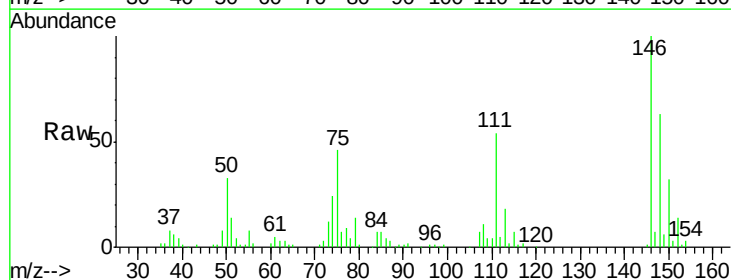
Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14
 1,2-Dichlorobenzene
 Concen: 27.31 ng
 RT: 6.98 min Scan# 428
 Delta R.T. 0.00 min
 Lab File: BF080947.D
 Acq: 8 Aug 2015 3:40

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.6	51.1	76.7
111	54.3	40.0	60.0

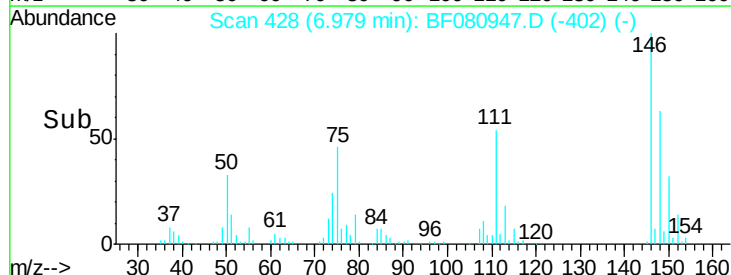
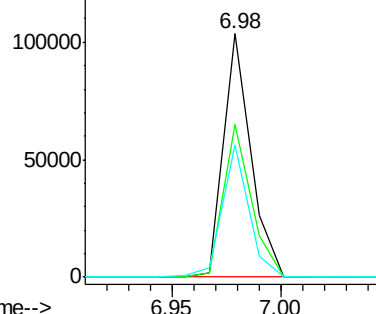


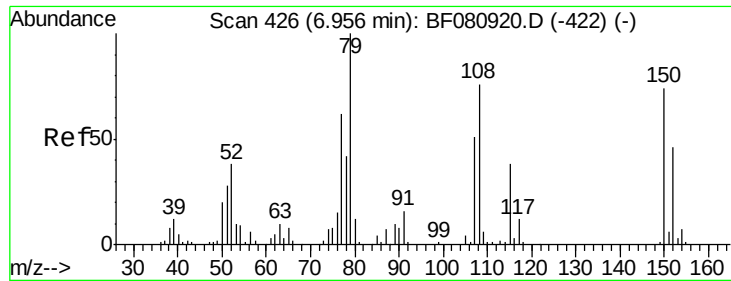
Abundance

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





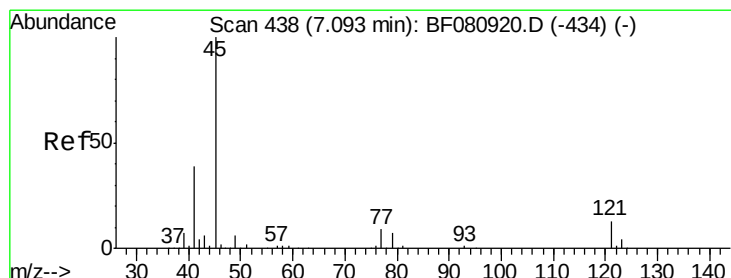
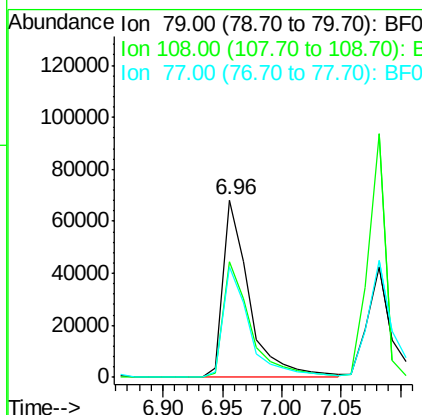
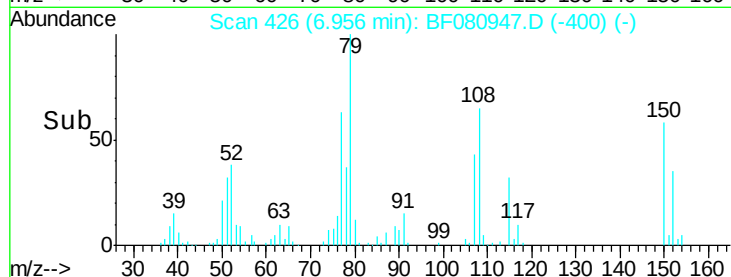
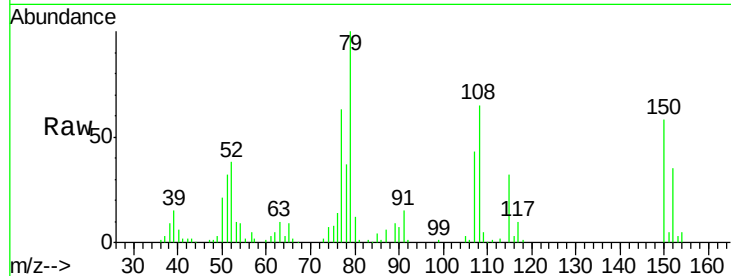
#15
Benzyl Alcohol
Concen: 32.47 ng
RT: 6.96 min Scan# 426
Delta R.T. 0.00 min
Lab File: BF080947.D
Acq: 8 Aug 2015 3:40

Instrument :
BNA_F
ClientSampleId :
SOIL-5MS

Tot Ion	Ratio	Lower	Upper
79	100		
108	65.2	60.9	91.3
77	62.7	49.4	74.0

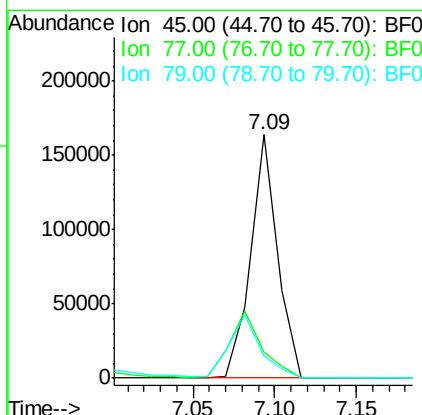
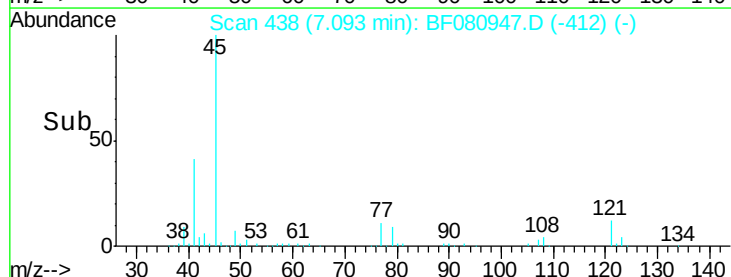
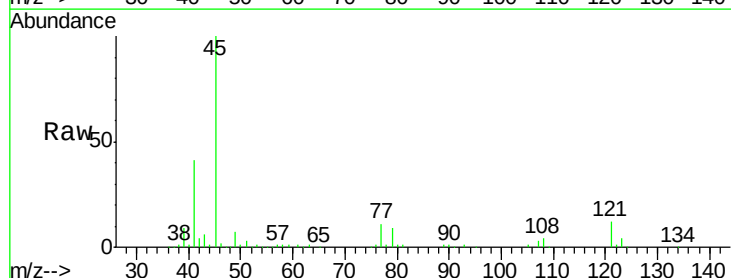
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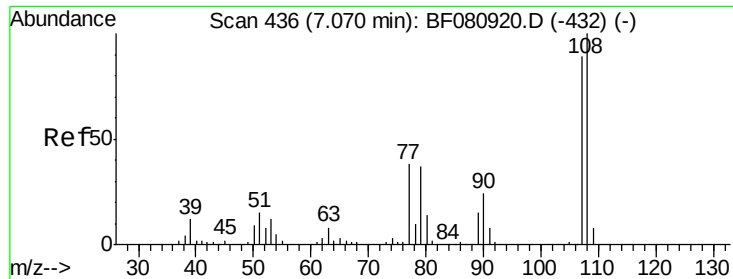
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#16
2,2'-oxybis(1-chloropropane)
Concen: 26.62 ng
RT: 7.09 min Scan# 438
Delta R.T. 0.00 min
Lab File: BF080947.D
Acq: 8 Aug 2015 3:40

Tgt Ion	Ratio	Lower	Upper
45	100		
77	10.9	0.0	29.6
79	8.9	0.0	27.7





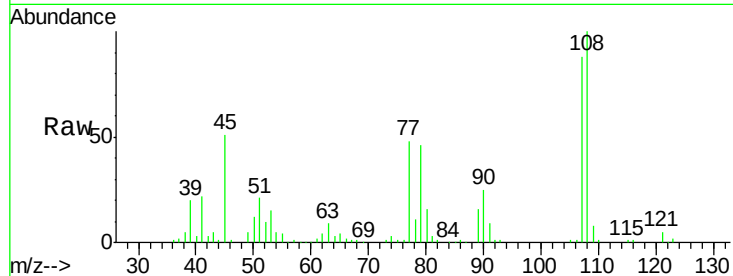
#17
2-Methylphenol
Concen: 29.33 ng
RT: 7.08 min Scan# 437
Delta R.T. 0.01 min
Lab File: BF080947.D
Acq: 8 Aug 2015 3:40

Instrument :
BNA_F
ClientSampleId :
SOIL-5MS

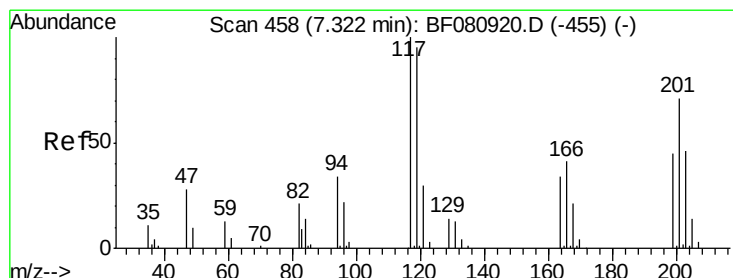
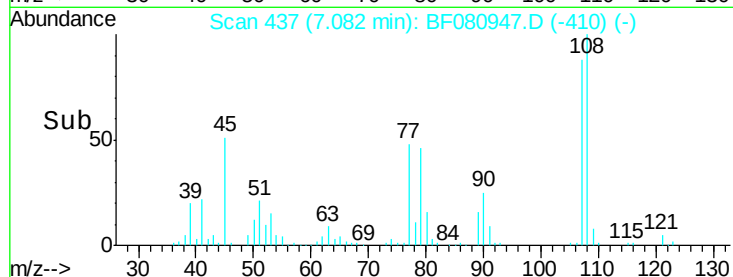
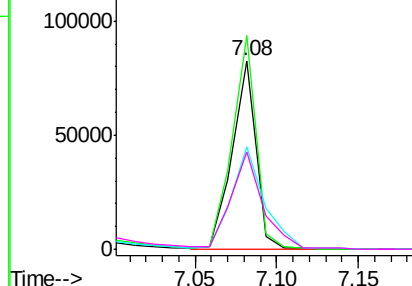
Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	107	100			
108	108	113.3	90.3	135.5	
77	77	54.4	34.6	51.8	
79	79	51.6	33.6	50.4	

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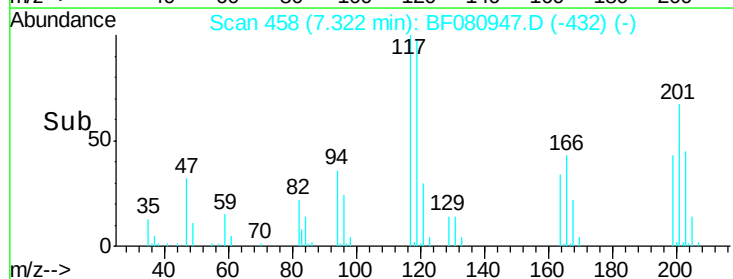
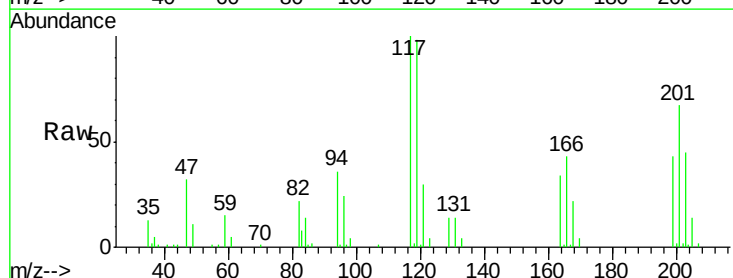
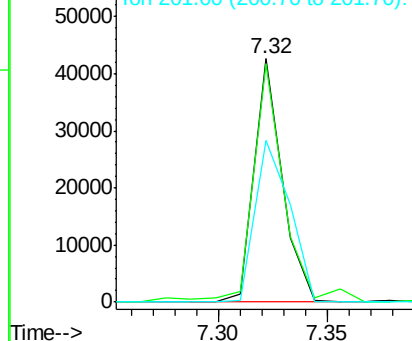
Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

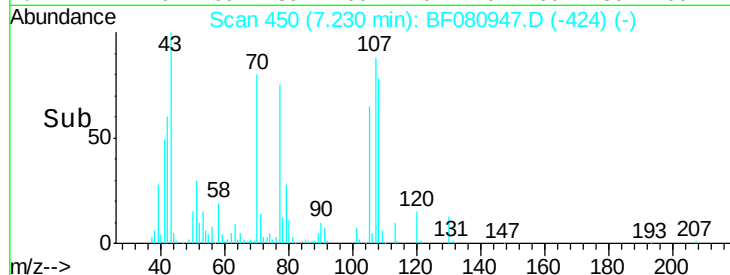
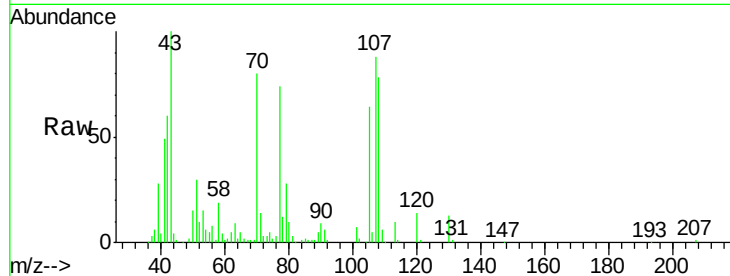
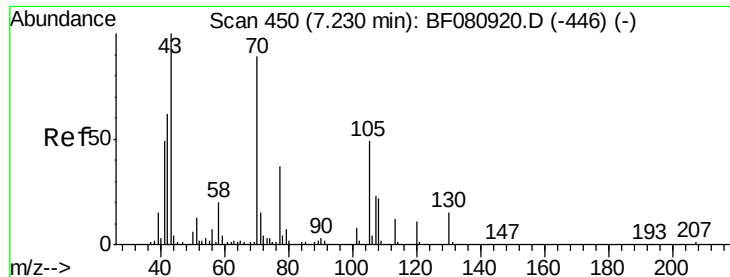


#18
Hexachloroethane
Concen: 27.30 ng
RT: 7.32 min Scan# 458
Delta R.T. 0.00 min
Lab File: BF080947.D
Acq: 8 Aug 2015 3:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	117	100			
119	119	98.2	76.3	114.5	
201	201	66.7	57.0	85.6	

Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





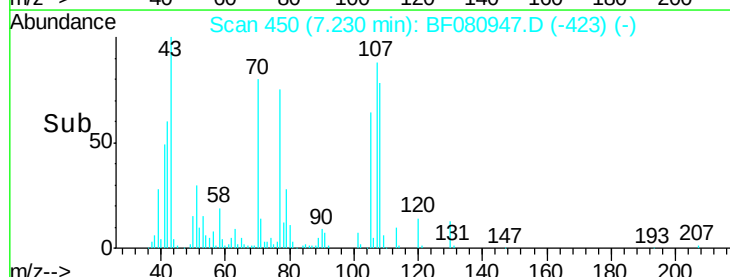
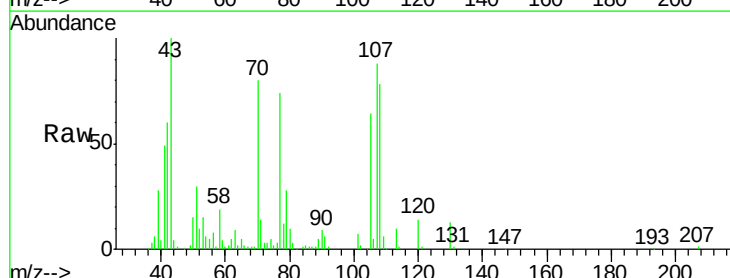
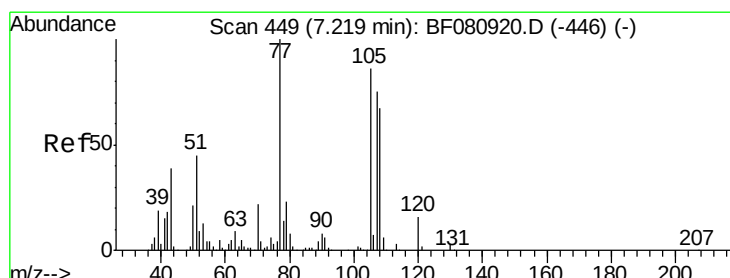
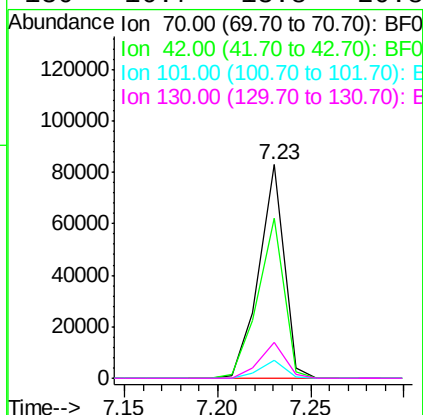
#19
n-Nitroso-di-n-propylamine
Concen: 27.11 ng
RT: 7.23 min Scan# 450
Delta R.T. 0.00 min
Lab File: BF080947.D
Acq: 8 Aug 2015 3:40

Instrument :
BNA_F
ClientSampleId :
SOIL-5MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100		77779		
42	74.7	55.7	83.5		
101	8.6	7.0	10.6		
130	16.7	13.8	20.8		

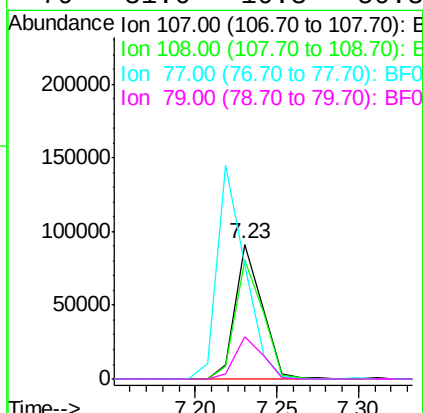
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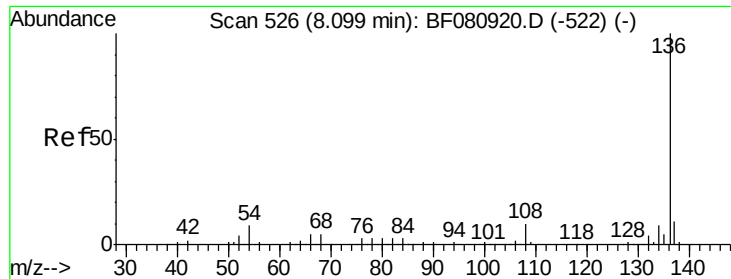
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#20
3+4-Methylphenols
Concen: 29.40 ng
RT: 7.23 min Scan# 450
Delta R.T. 0.01 min
Lab File: BF080947.D
Acq: 8 Aug 2015 3:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		104477		
108	88.5	69.2	109.2		
77	84.8	113.0	153.0#		
79	31.6	10.3	50.3		





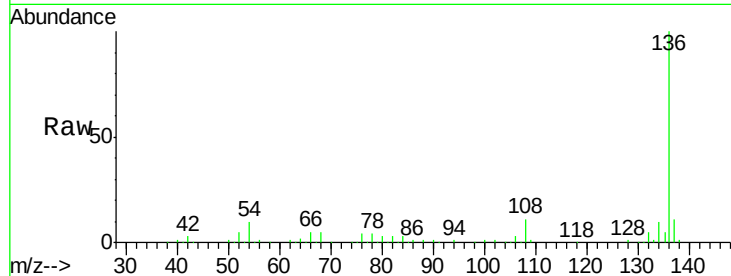
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 526
Delta R.T. 0.00 min
Lab File: BF080947.D
Acq: 8 Aug 2015 3:40

Instrument :
BNA_F
ClientSampleId :
SOIL-5MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		192107		
137	11.0	8.5	12.7		
54	10.1	7.1	10.7		
68	5.0	3.8	5.8		

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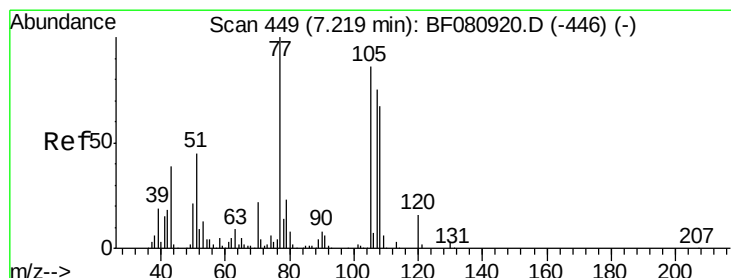
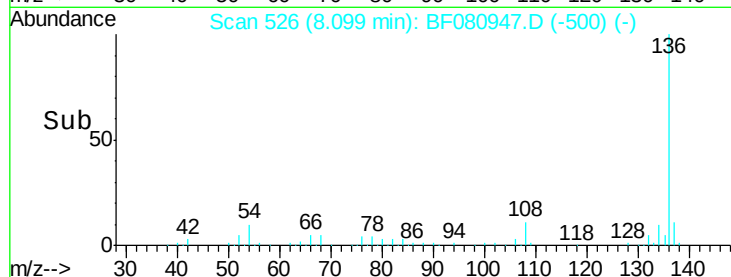
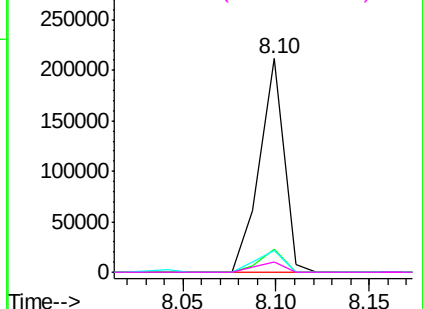


Abundance Ion 136.00 (135.70 to 136.70): E

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: 34.39 ng
RT: 7.22 min Scan# 449
Delta R.T. 0.00 min
Lab File: BF080947.D
Acq: 8 Aug 2015 3:40

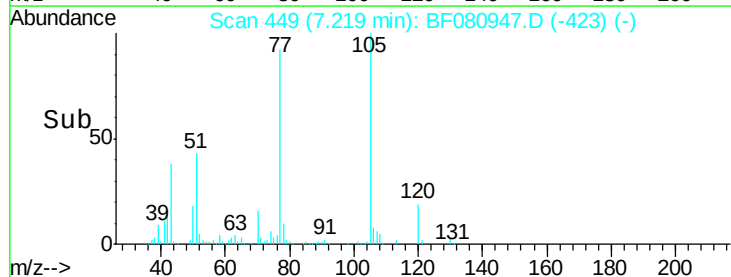
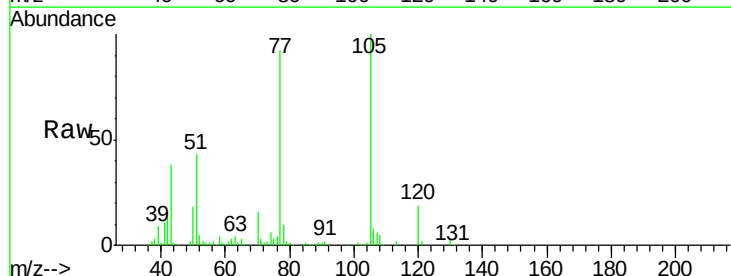
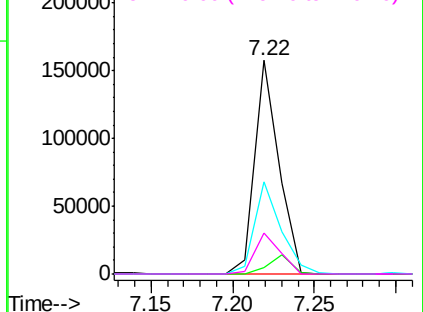
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		161858		
71	2.9	3.3	4.9#		
51	43.1	41.8	62.6		
120	19.0	15.1	22.7		

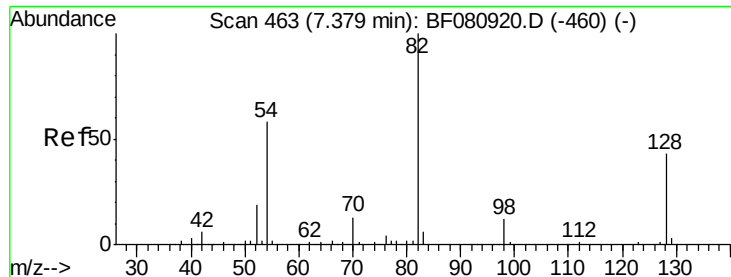
Abundance Ion 105.00 (104.70 to 105.70): E

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





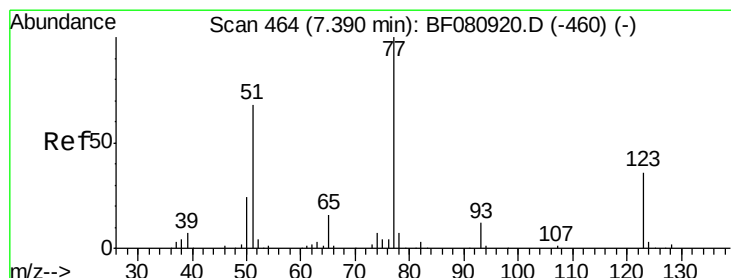
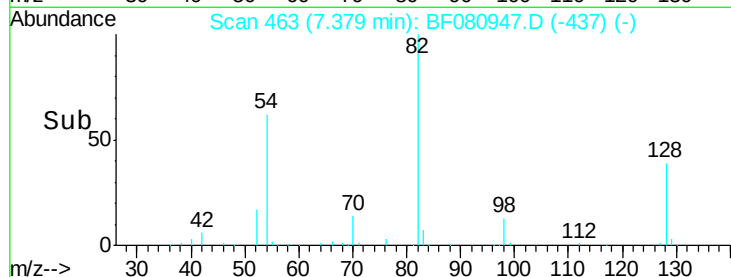
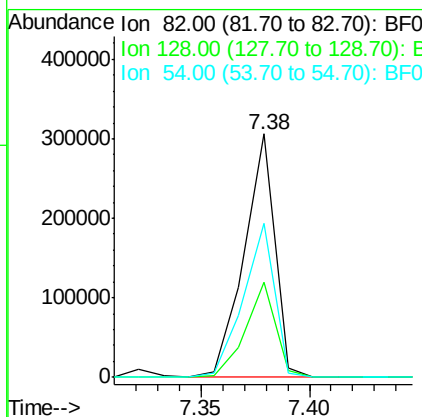
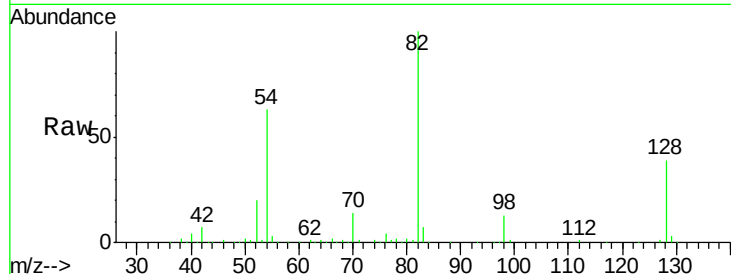
#23
 Nitrobenzene-d5
 Concen: 73.83 ng
 RT: 7.38 min Scan# 463
 Delta R.T. 0.00 min
 Lab File: BF080947.D
 Acq: 8 Aug 2015 3:40

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-5MS

Tot Ion:	82	Resp:	299844
Ion Ratio	Lower	Upper	
82	100		
128	39.1	34.1	51.1
54	63.1	46.5	69.7

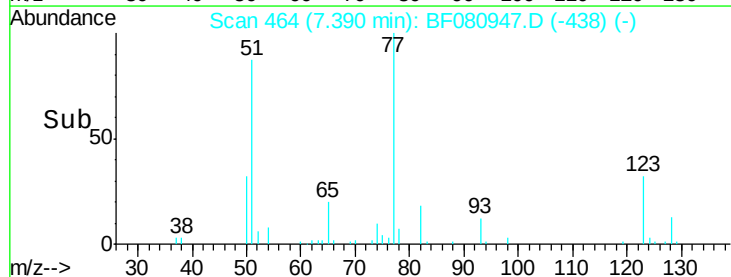
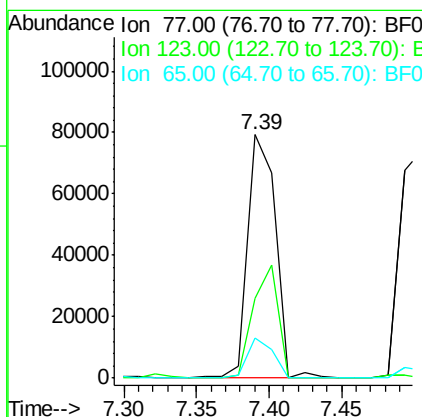
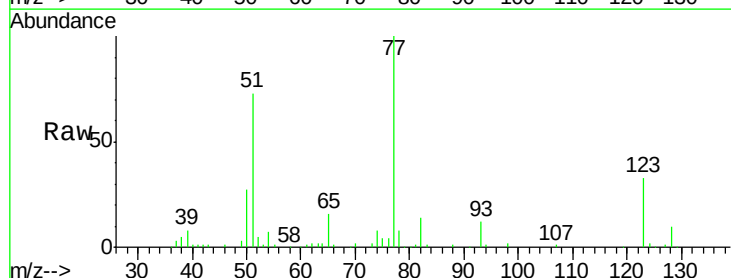
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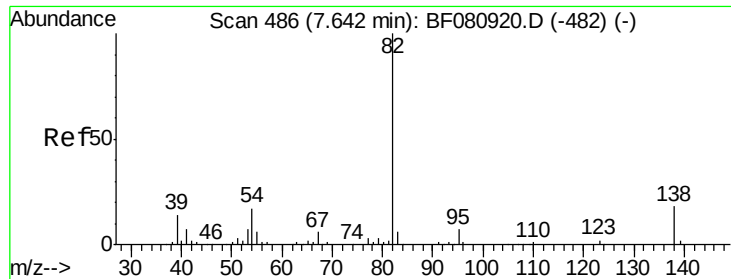
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#24
 Nitrobenzene
 Concen: 25.06 ng
 RT: 7.39 min Scan# 464
 Delta R.T. 0.00 min
 Lab File: BF080947.D
 Acq: 8 Aug 2015 3:40

Tgt Ion:	77	Resp:	104806
Ion Ratio	Lower	Upper	
77	100		
123	32.9	28.7	43.1
65	16.4	12.5	18.7





#25

Isophorone

Concen: 28.15 ng

RT: 7.64 min Scan# 486

Delta R.T. 0.00 min

Lab File: BF080947.D

Acq: 8 Aug 2015 3:40

Instrument :

BNA_F

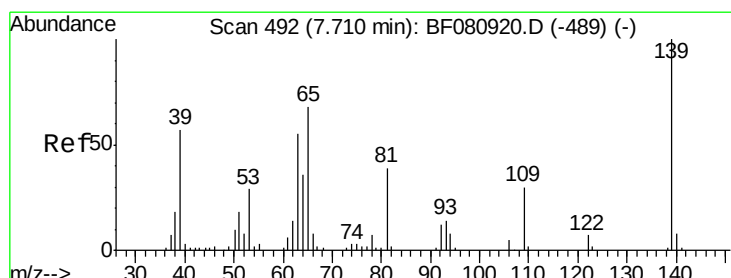
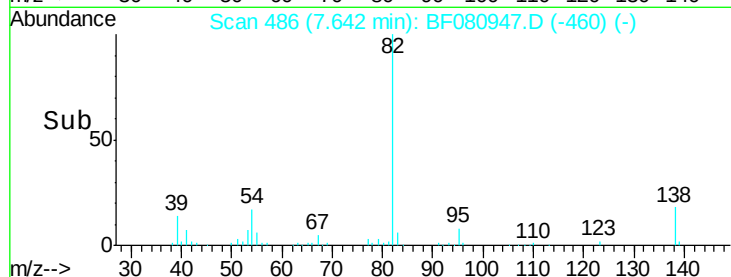
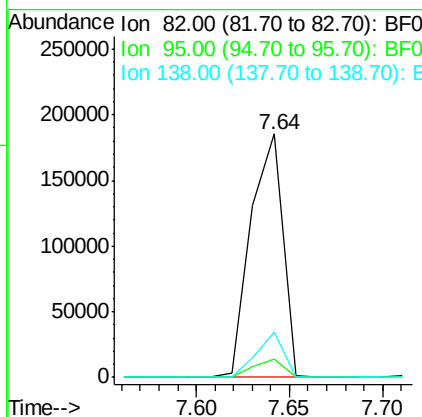
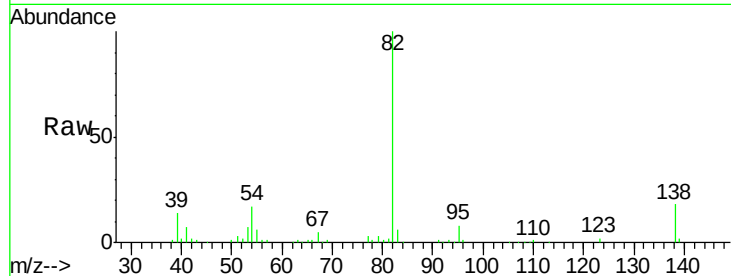
ClientSampled :

SOIL-5MS

Tot Ion:	82	Resp:	219865
Ion Ratio	Lower	Upper	
82	100		
95	7.6	5.8	8.6
138	18.5	14.1	21.1

Manual Integrations
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#26

2-Nitrophenol

Concen: 27.71 ng

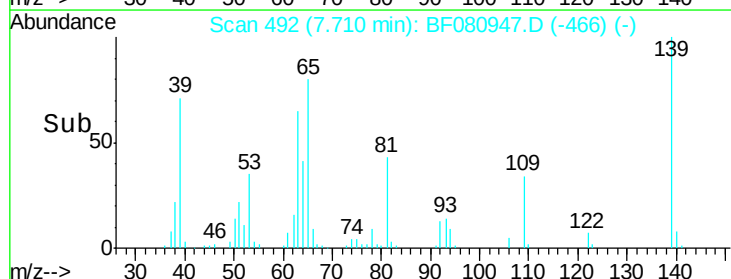
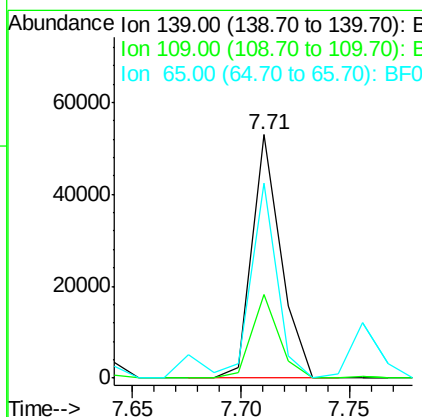
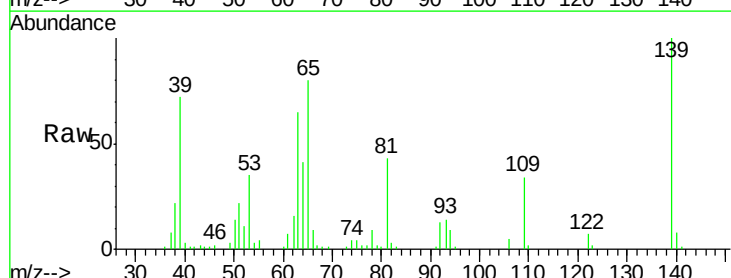
RT: 7.71 min Scan# 492

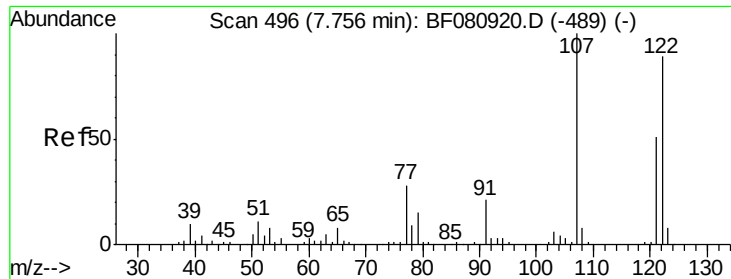
Delta R.T. 0.00 min

Lab File: BF080947.D

Acq: 8 Aug 2015 3:40

Tgt Ion:	139	Resp:	48751
Ion Ratio	Lower	Upper	
139	100		
109	34.4	24.1	36.1
65	80.3	54.0	81.0





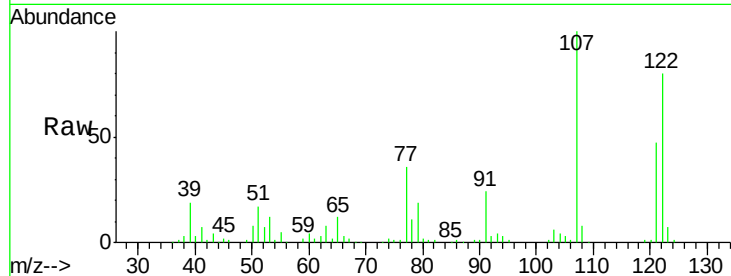
#27
 2,4-Dimethylphenol
 Concen: 26.43 ng
 RT: 7.76 min Scan# 496
 Delta R.T. 0.00 min
 Lab File: BF080947.D
 Acq: 8 Aug 2015 3:40

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-5MS

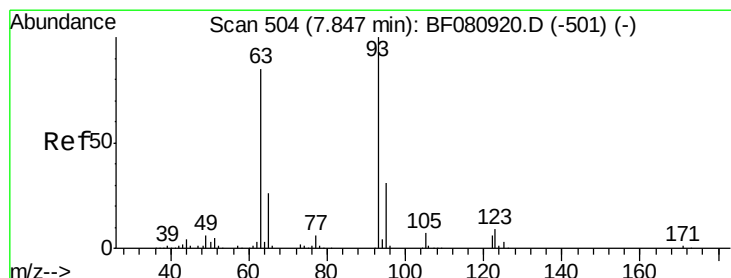
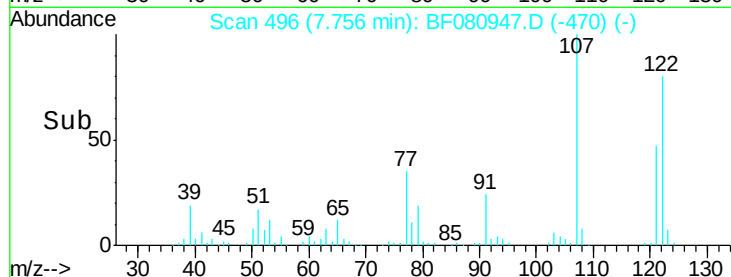
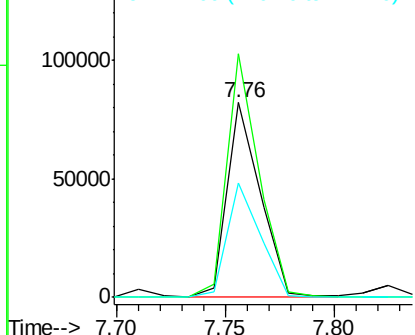
Tot Ion	Ratio	Resp	Lower	Upper
122	100	87073		
107	124.9	90.2	135.4	
121	58.5	46.0	69.0	

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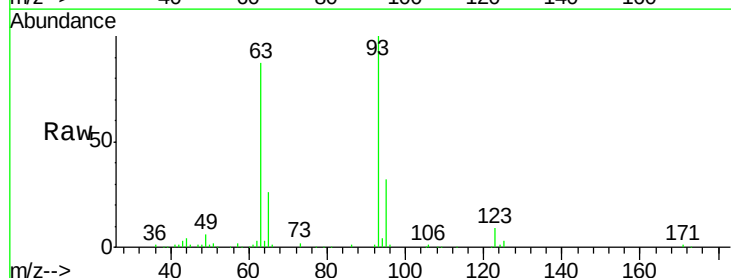


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

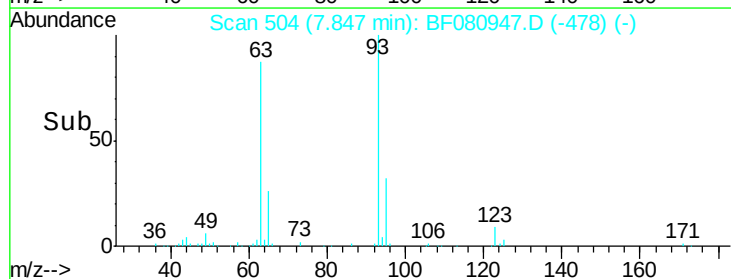
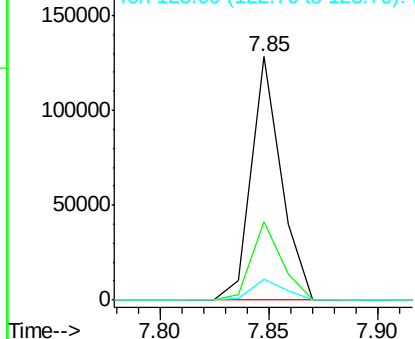


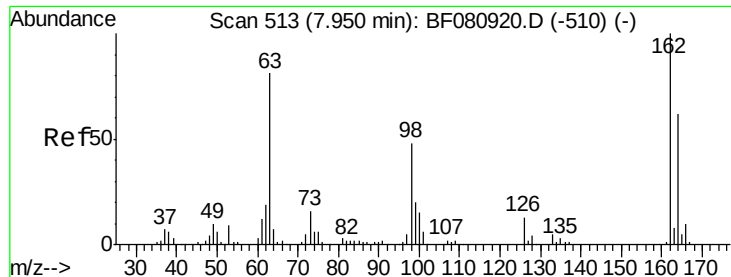
#28
 bis(2-Chloroethoxy)methane
 Concen: 26.10 ng
 RT: 7.85 min Scan# 504
 Delta R.T. 0.00 min
 Lab File: BF080947.D
 Acq: 8 Aug 2015 3:40

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	122357		
95	32.5	25.0	37.4	
123	8.7	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





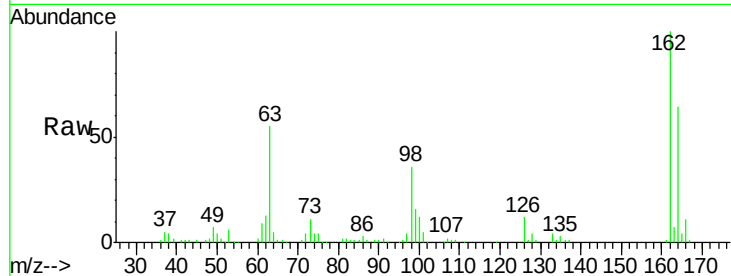
#29
 2,4-Dichlorophenol
 Concen: 31.48 ng
 RT: 7.96 min Scan# 514
 Delta R.T. 0.01 min
 Lab File: BF080947.D
 Acq: 8 Aug 2015 3:40

Instrument :
 BNA_F
 ClientSampled :
 SOIL-5MS

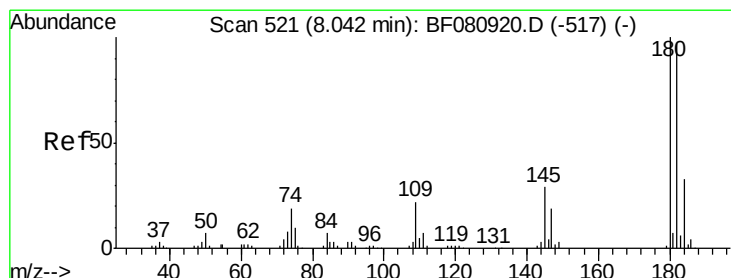
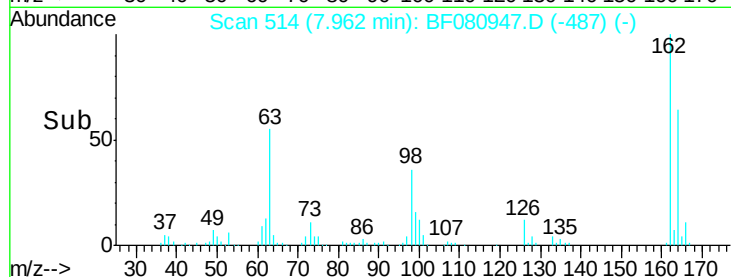
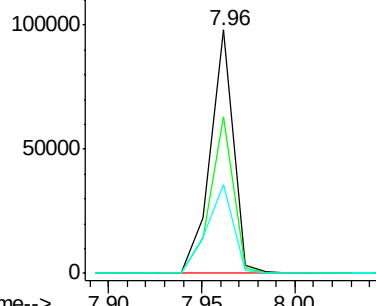
Tot Ion:	162	Resp:	85211
Ion Ratio	Lower	Upper	
162	100		
164	64.1	42.3	82.3
98	36.3	27.7	67.7

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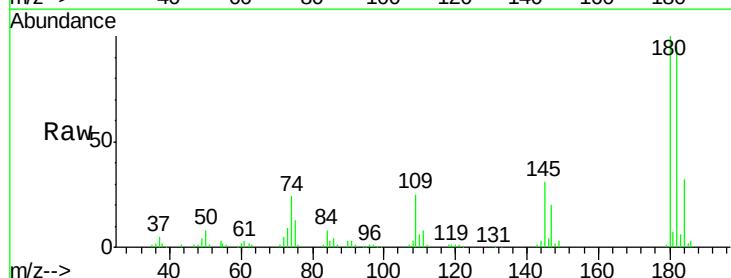


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

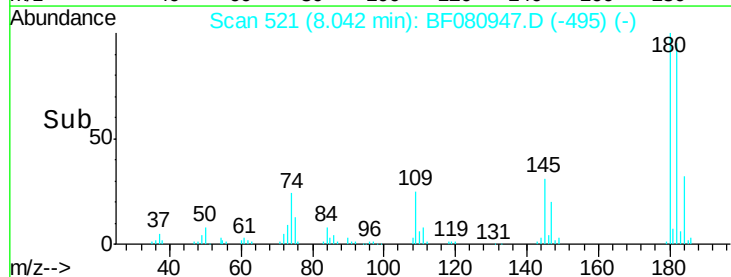
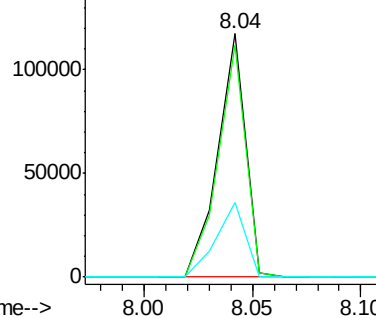


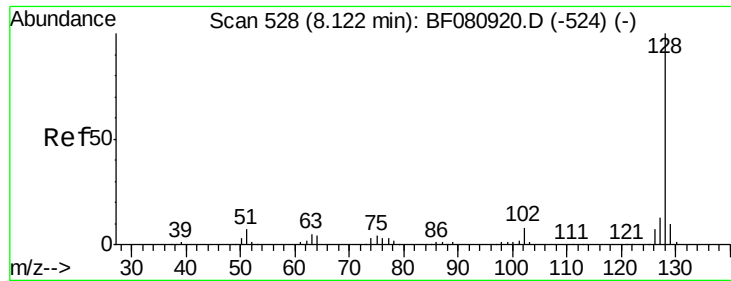
#30
 1,2,4-Trichlorobenzene
 Concen: 35.25 ng
 RT: 8.04 min Scan# 521
 Delta R.T. 0.00 min
 Lab File: BF080947.D
 Acq: 8 Aug 2015 3:40

Tgt Ion:	180	Resp:	104308
Ion Ratio	Lower	Upper	
180	100		
182	95.4	77.4	116.0
145	30.8	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





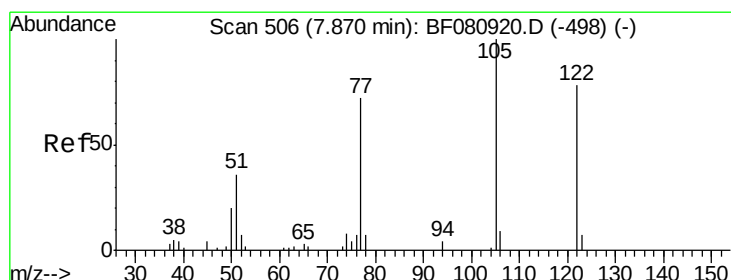
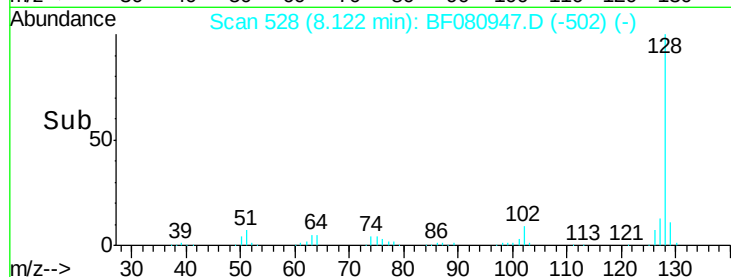
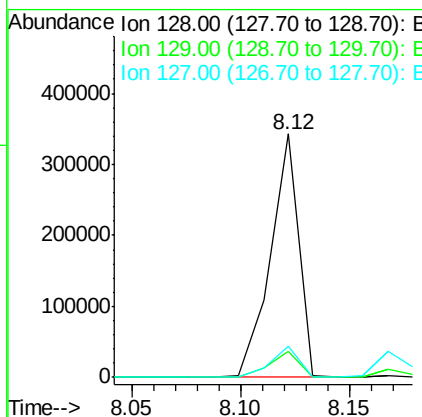
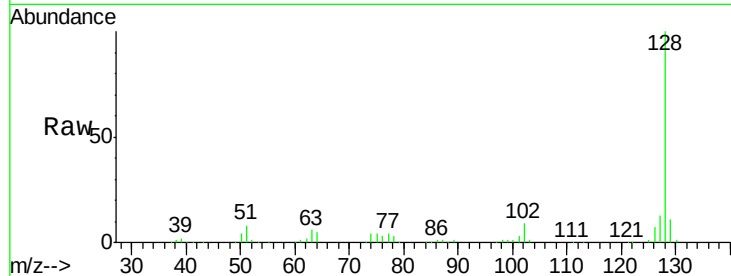
#31
Naphthalene
Concen: 29.47 ng
RT: 8.12 min Scan# 528
Delta R.T. 0.00 min
Lab File: BF080947.D
Acq: 8 Aug 2015 3:40

Instrument :
BNA_F
ClientSampleId :
SOIL-5MS

Tot Ion	Ratio	Resp Lower	Upper
128	100		
129	10.5	8.4	12.6
127	13.0	10.5	15.7

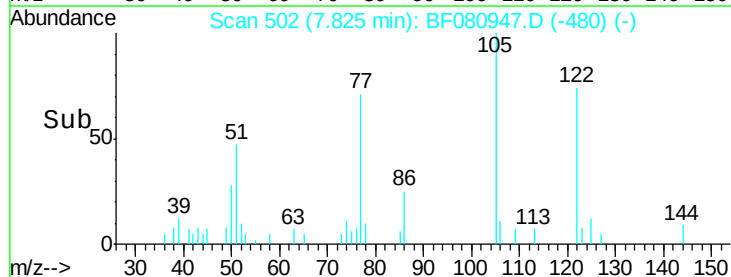
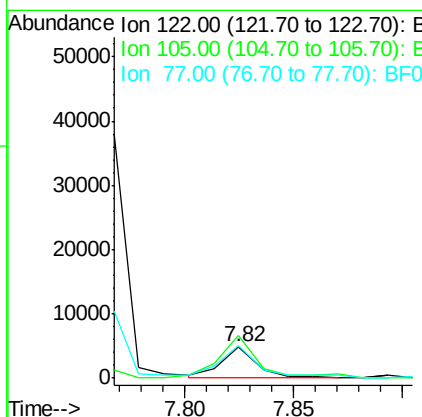
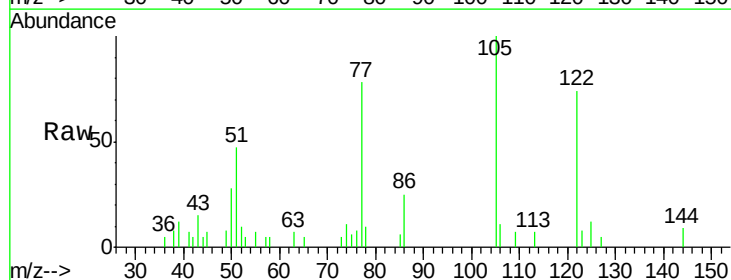
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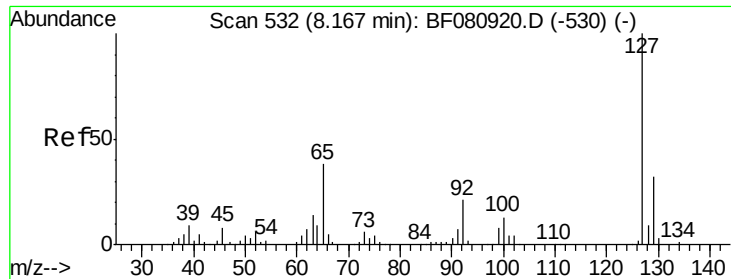
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#32
Benzoic acid
Concen: 2.88 ng
RT: 7.82 min Scan# 502
Delta R.T. -0.05 min
Lab File: BF080947.D
Acq: 8 Aug 2015 3:40

Tgt Ion	Ratio	Resp Lower	Upper
122	100		
105	135.1	103.6	143.6
77	105.0	70.4	110.4





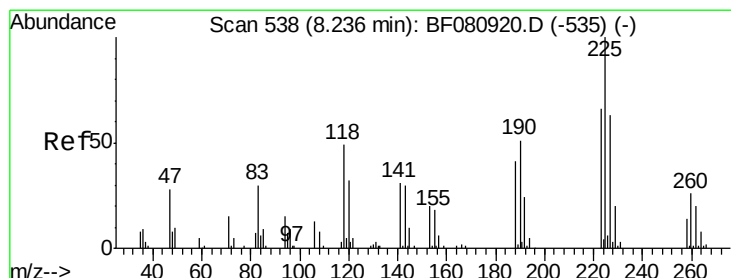
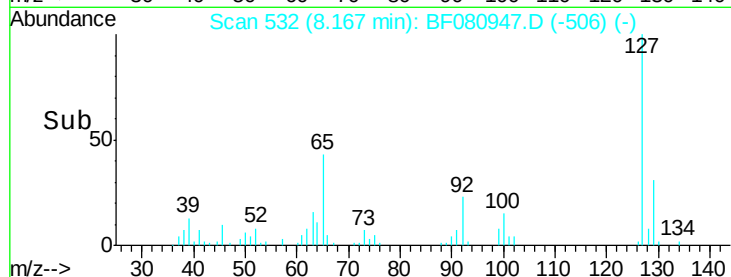
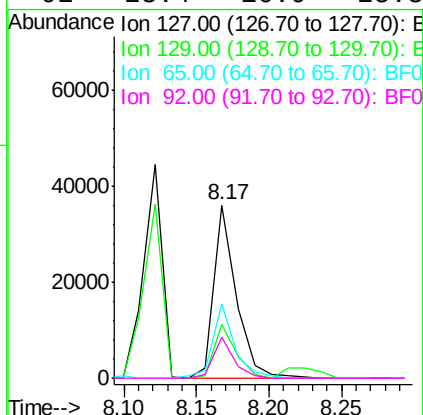
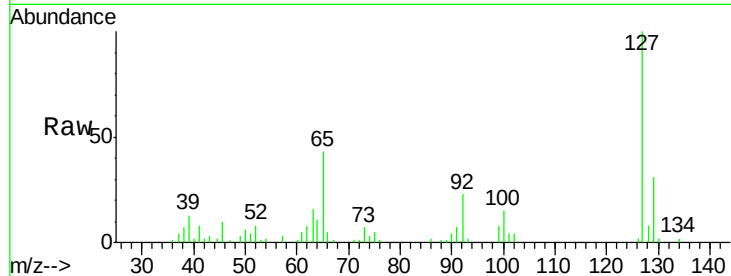
#33
4-Chloroaniline
Concen: 9.04 ng
RT: 8.17 min Scan# 532
Delta R.T. 0.00 min
Lab File: BF080947.D
Acq: 8 Aug 2015 3:40

Instrument :
BNA_F
ClientSampleId :
SOIL-5MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	30.9	25.9	38.9		
65	42.7	30.6	45.8		
92	23.4	16.9	25.3		

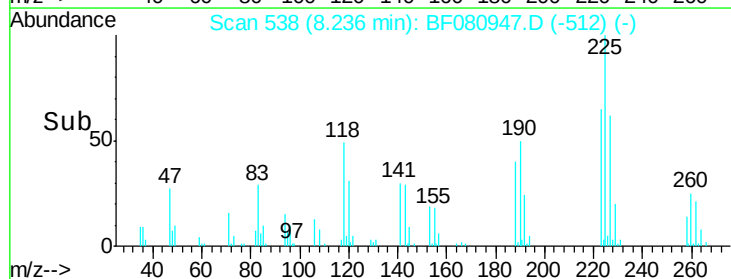
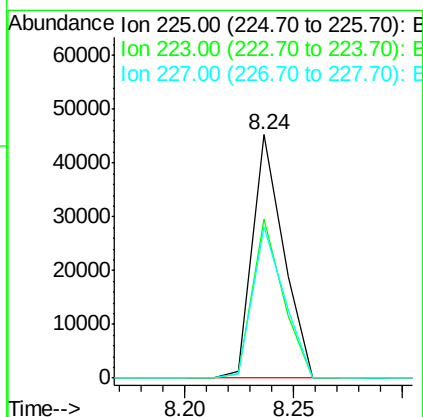
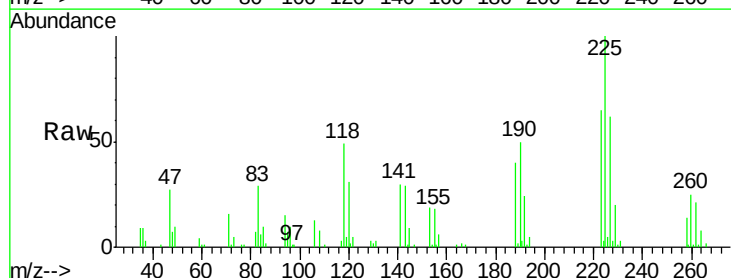
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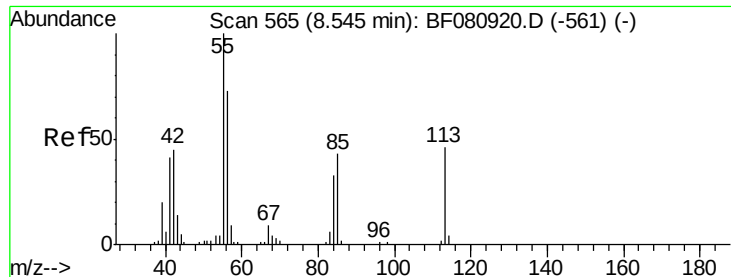
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#34
Hexachlorobutadiene
Concen: 25.44 ng
RT: 8.24 min Scan# 538
Delta R.T. 0.00 min
Lab File: BF080947.D
Acq: 8 Aug 2015 3:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	65.2	52.5	78.7		
227	62.1	50.3	75.5		





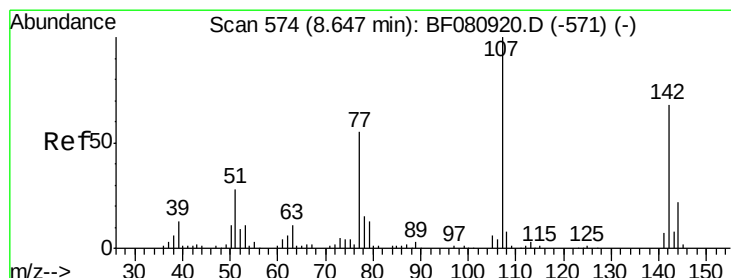
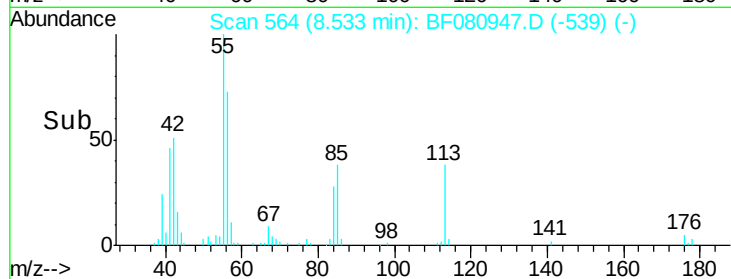
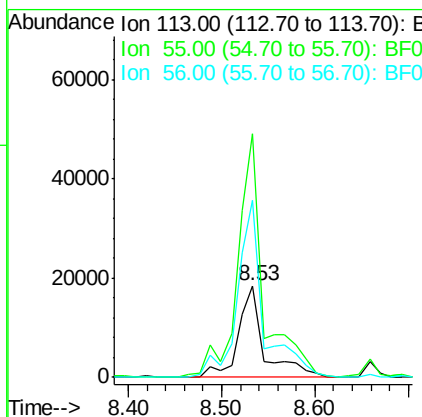
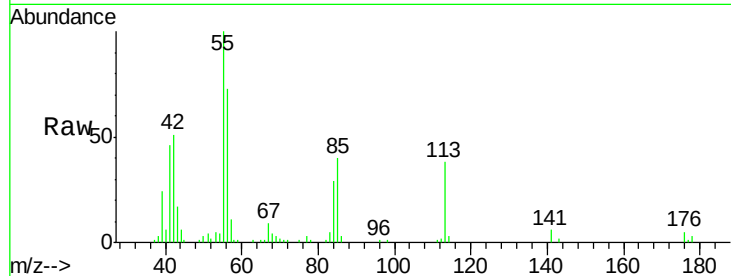
#35
 Caprolactam
 Concen: 36.42 ng
 RT: 8.53 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: BF080947.D
 Acq: 8 Aug 2015 3:40

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-5MS

Tot Ion	Ratio	Lower	Upper
113	100		
55	264.9	196.4	236.4#
56	192.2	137.9	177.9#

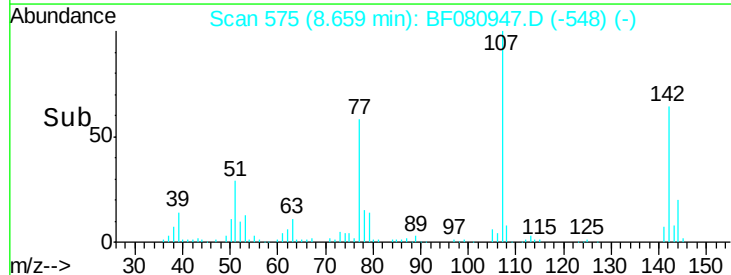
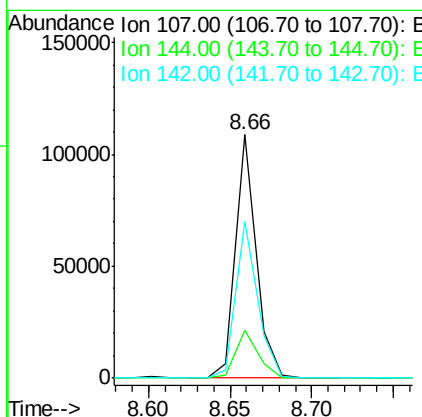
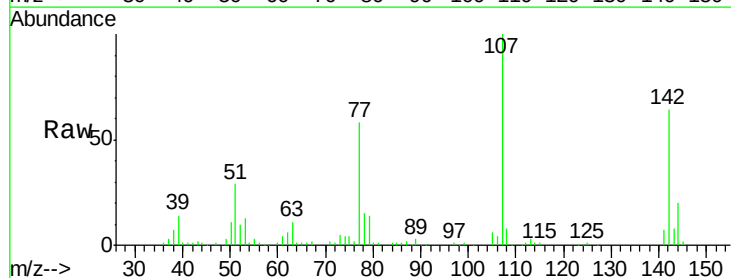
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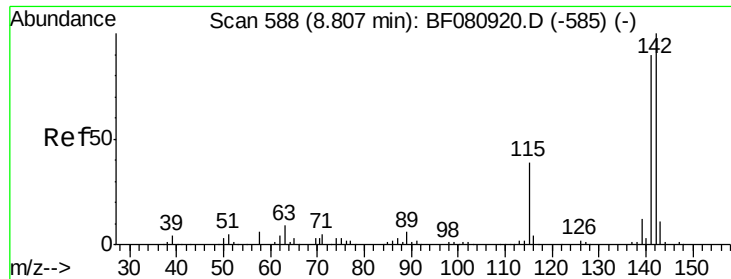
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#36
 4-Chloro-3-methylphenol
 Concen: 28.66 ng
 RT: 8.66 min Scan# 575
 Delta R.T. 0.01 min
 Lab File: BF080947.D
 Acq: 8 Aug 2015 3:40

Tgt Ion	Ratio	Lower	Upper
107	100		
144	19.7	17.3	25.9
142	64.4	54.4	81.6





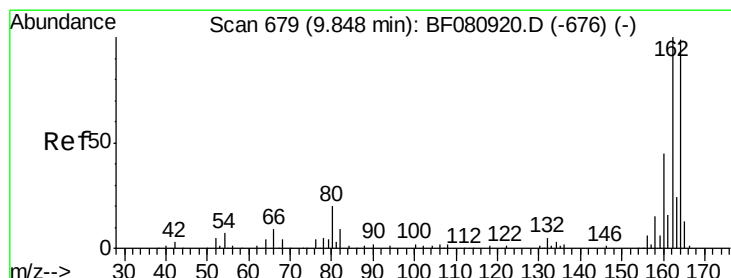
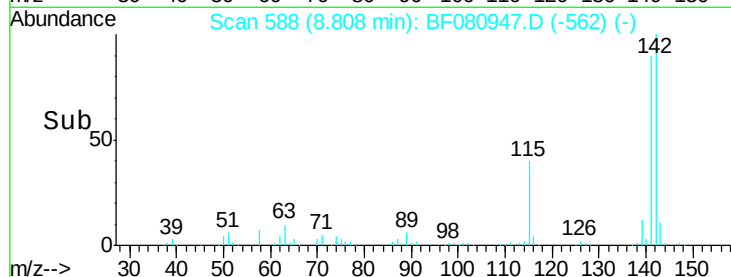
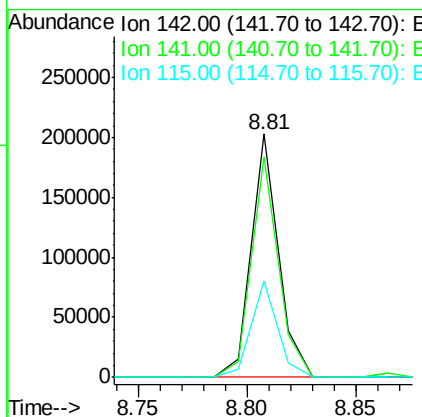
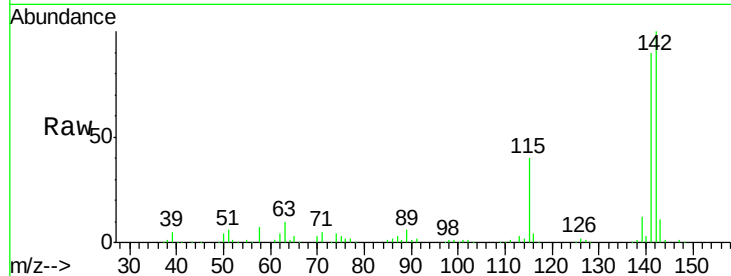
#37
2-Methylnaphthalene
Concen: 26.15 ng
RT: 8.81 min Scan# 588
Delta R.T. 0.00 min
Lab File: BF080947.D
Acq: 8 Aug 2015 3:40

Instrument :
BNA_F
ClientSampled :
SOIL-5MS

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.4	71.7	107.5
115	39.5	30.9	46.3

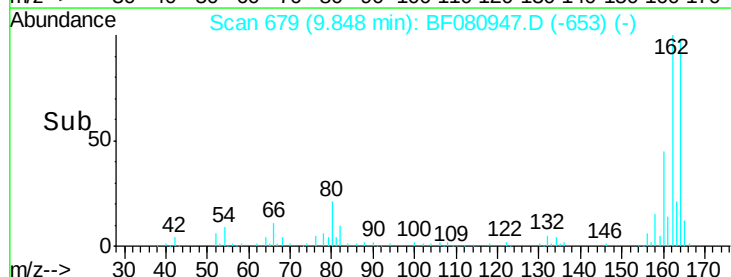
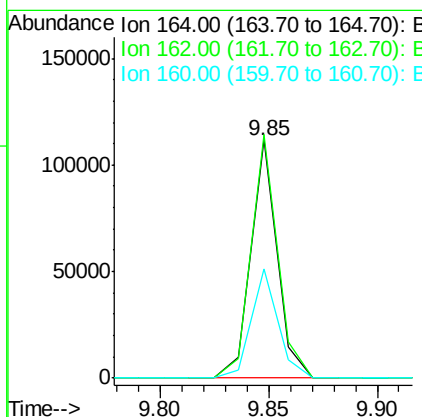
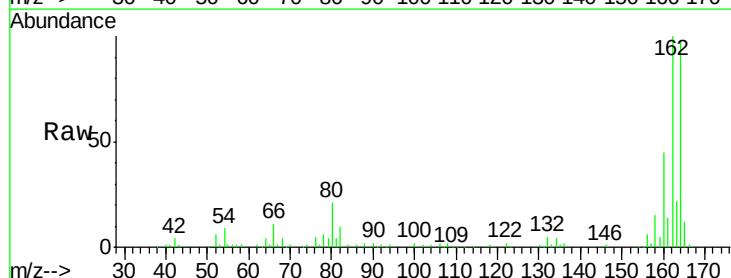
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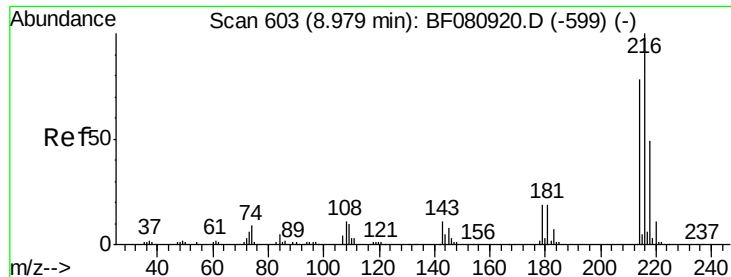
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 679
Delta R.T. 0.00 min
Lab File: BF080947.D
Acq: 8 Aug 2015 3:40

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.2	80.5	120.7
160	46.0	36.6	54.8





#39

1,2,4,5-Tetrachlorobenzene

Concen: 37.43 ng

RT: 8.98 min Scan# 603

Delta R.T. 0.00 min

Lab File: BF080947.D

Acq: 8 Aug 2015 3:40

Instrument :

BNA_F

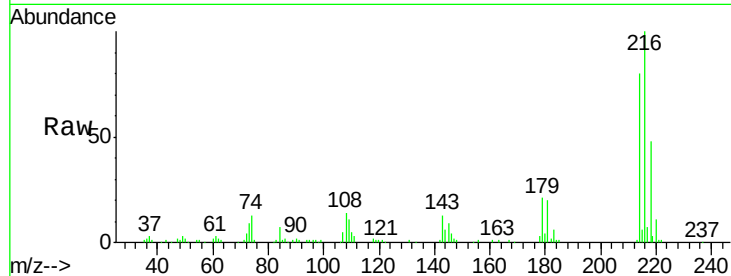
ClientSampleId :

SOIL-5MS

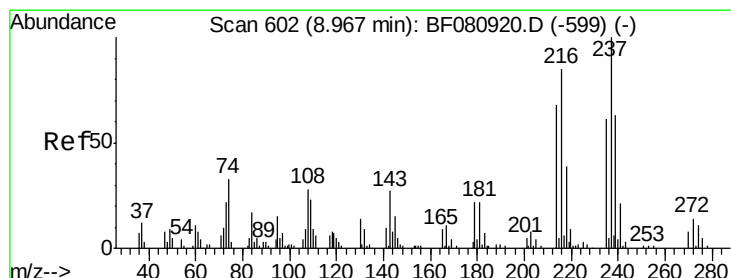
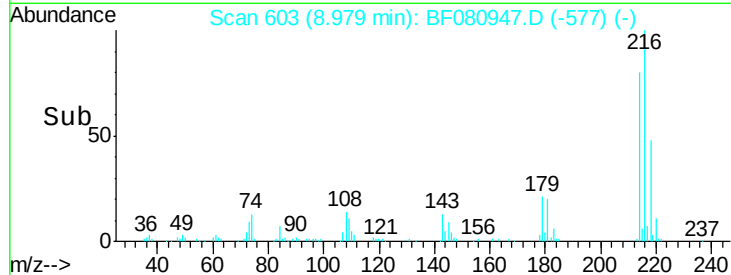
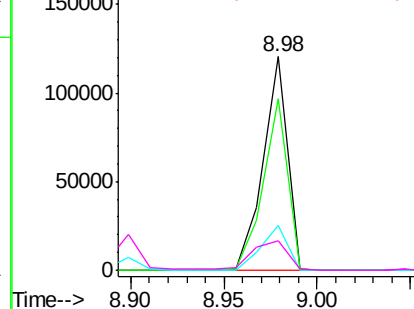
Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100				
214	80.2		63.0	94.4	
179	22.7		17.2	25.8	
108	20.2		16.1	24.1	

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



#40

Hexachlorocyclopentadiene

Concen: 19.99 ng

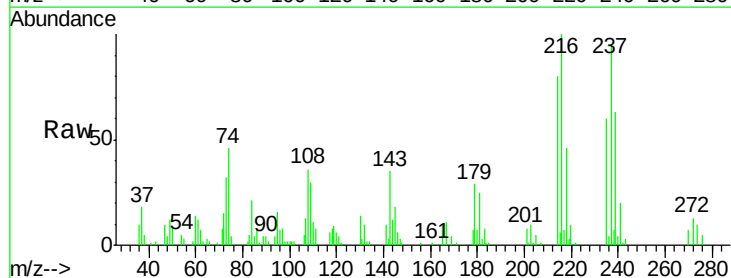
RT: 8.97 min Scan# 602

Delta R.T. 0.00 min

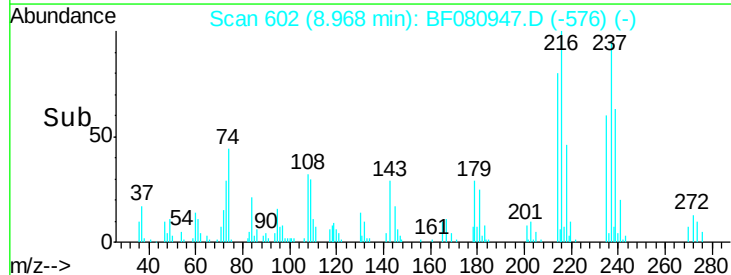
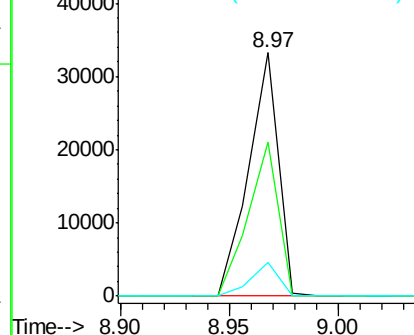
Lab File: BF080947.D

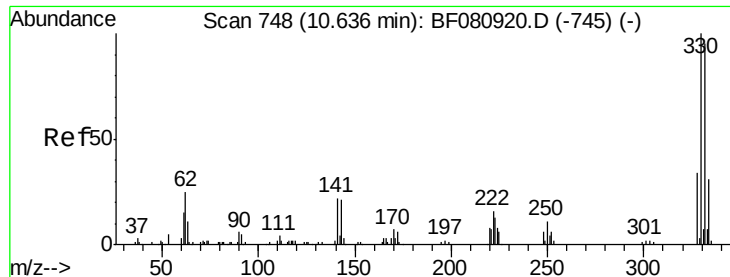
Acq: 8 Aug 2015 3:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100				
235	63.4		41.3	81.3	
272	13.8		0.0	33.6	



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





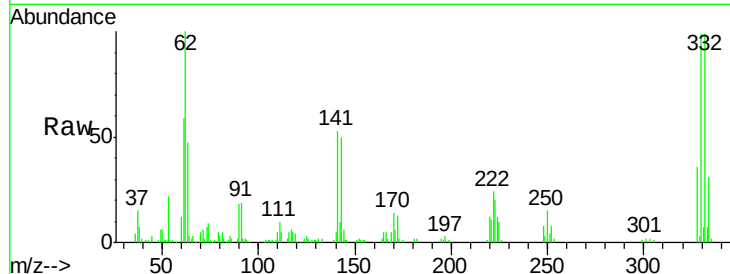
#41
 2,4,6-Tribromophenol
 Concen: 105.20 ng
 RT: 10.64 min Scan# 748
 Delta R.T. 0.00 min
 Lab File: BF080947.D
 Acq: 8 Aug 2015 3:40

Instrument :
 BNA_F
 ClientSampled :
 SOIL-5MS

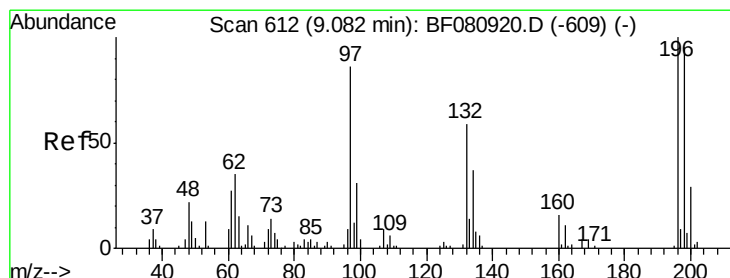
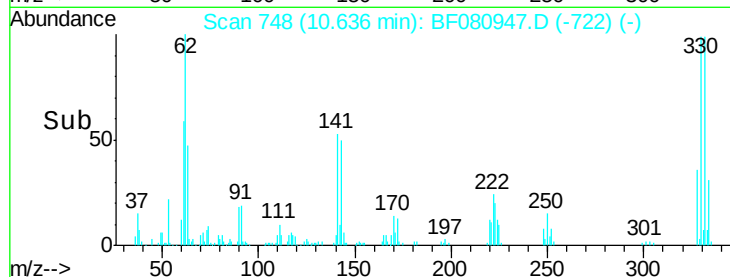
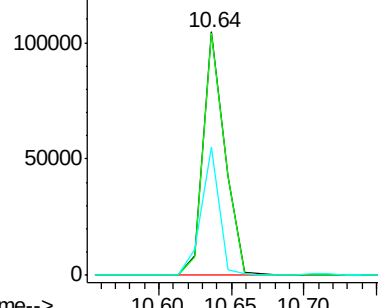
Tot Ion	Ratio	Resp	Lower	Upper
330	100	108077		
332	99.0	76.2	114.4	
141	44.4	27.8	41.8#	

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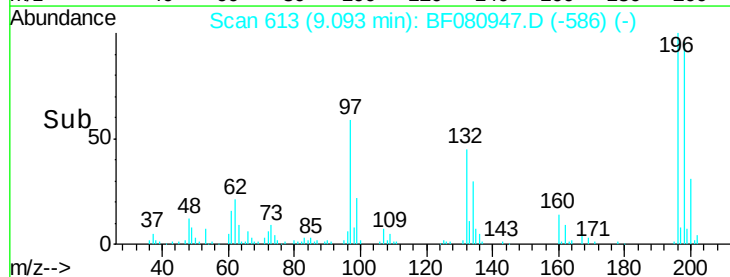
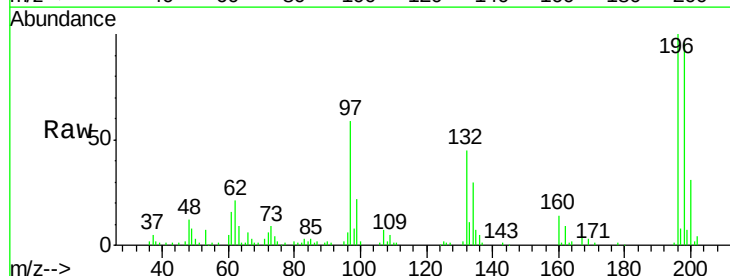
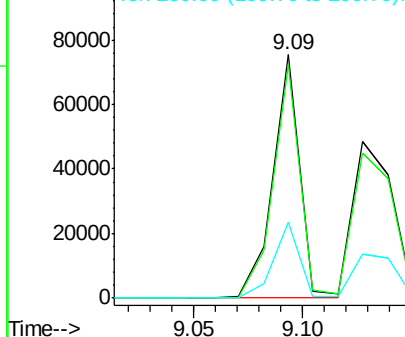
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

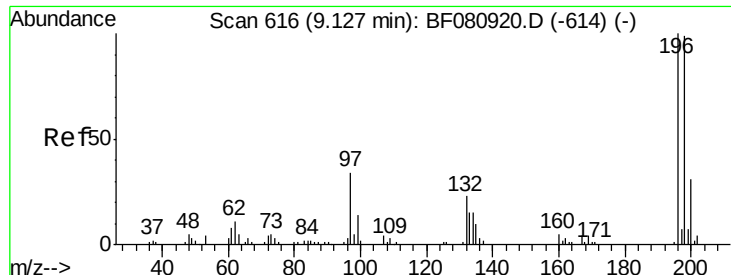


#42
 2,4,6-Trichlorophenol
 Concen: 30.98 ng
 RT: 9.09 min Scan# 613
 Delta R.T. 0.01 min
 Lab File: BF080947.D
 Acq: 8 Aug 2015 3:40

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	65463		
198	95.8	75.9	113.9	
200	31.2	23.1	34.7	

Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E





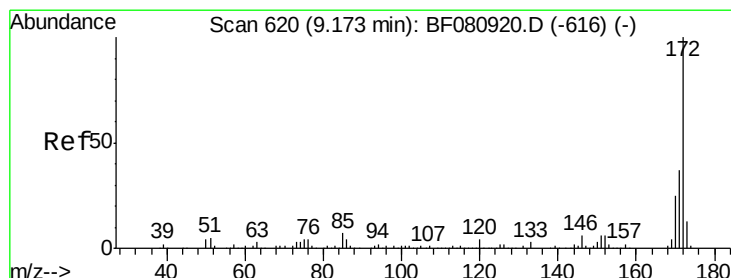
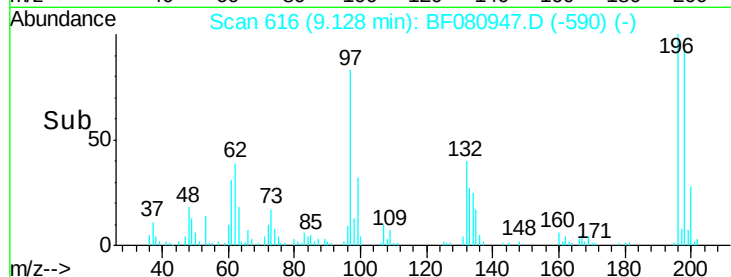
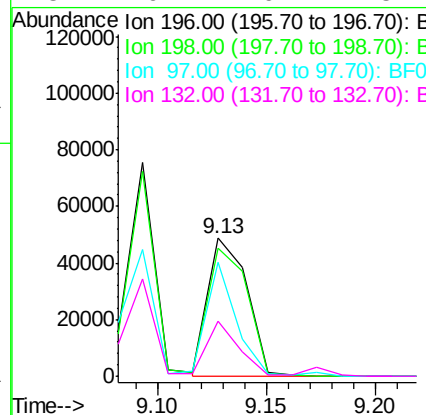
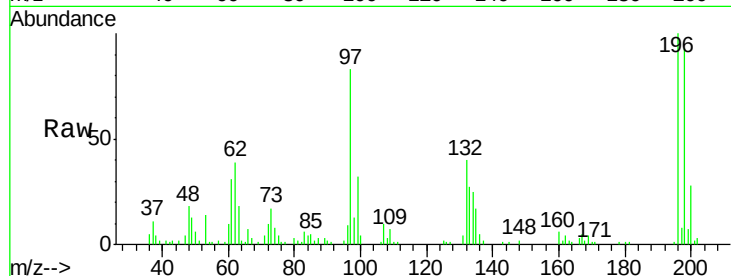
#43
 2,4,5-Trichlorophenol
 Concen: 28.54 ng
 RT: 9.13 min Scan# 616
 Delta R.T. 0.00 min
 Lab File: BF080947.D
 Acq: 8 Aug 2015 3:40

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-5MS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	60776		
198	92.8	78.9	118.3	
97	82.8	29.1	43.7	
132	40.4	19.1	28.7	

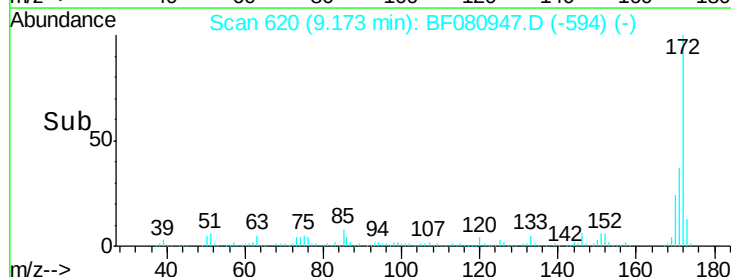
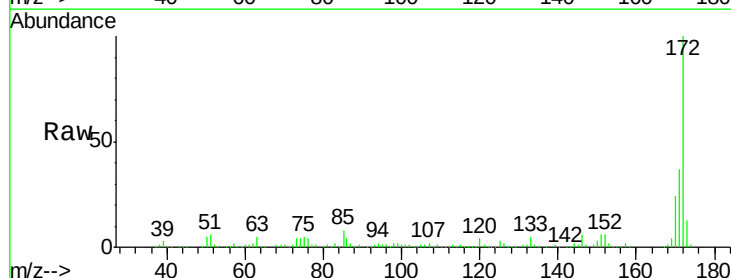
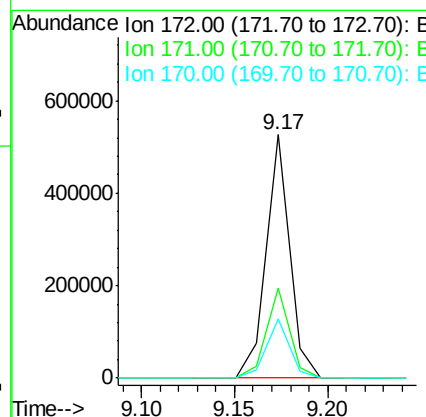
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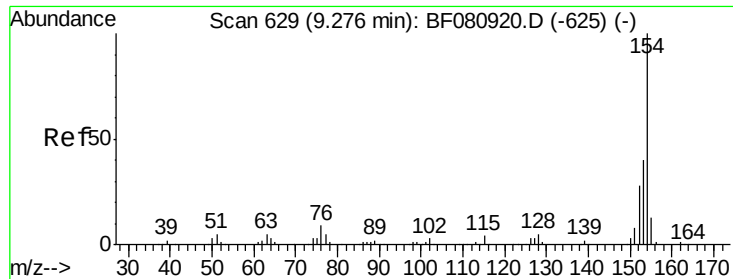
MMDadoda
 8/10/2015 7:20:33 PM



#44
 2-Fluorobiphenyl
 Concen: 68.93 ng
 RT: 9.17 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: BF080947.D
 Acq: 8 Aug 2015 3:40

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	457901		
171	36.9	29.4	44.0	
170	24.2	19.7	29.5	





#45

1,1'-Biphenyl

Concen: 41.17 ng

RT: 9.28 min Scan# 629

Delta R.T. 0.00 min

Lab File: BF080947.D

Acq: 8 Aug 2015 3:40

Instrument :

BNA_F

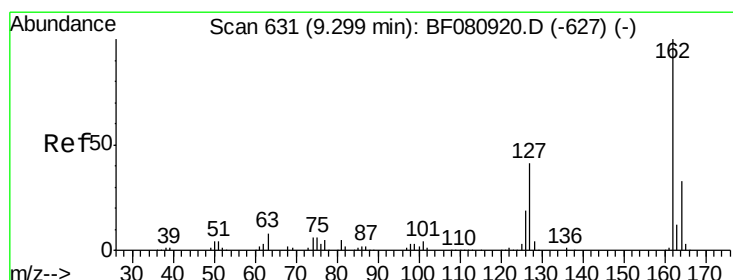
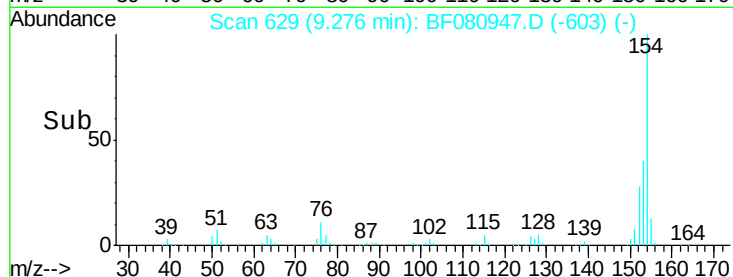
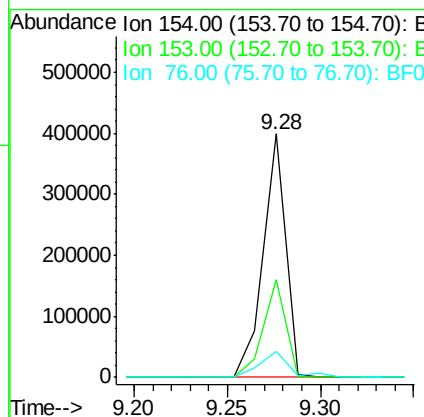
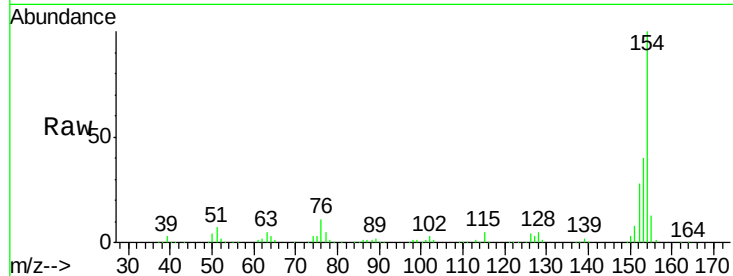
ClientSampled :

SOIL-5MS

Tot Ion:	154	Resp:	330392
Ion Ratio	Lower	Upper	
154	100		
153	40.1	20.1	60.1
76	10.8	0.0	29.3

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#46

2-Chloronaphthalene

Concen: 29.88 ng

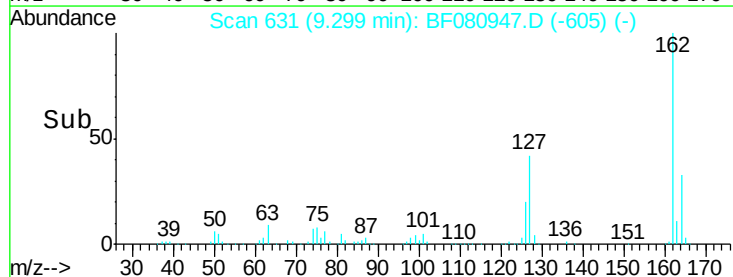
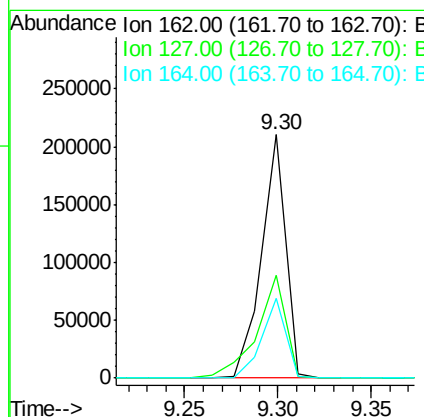
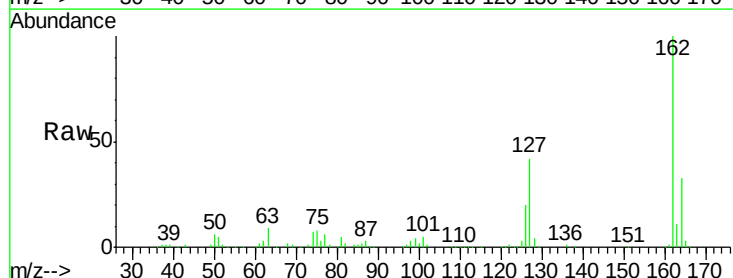
RT: 9.30 min Scan# 631

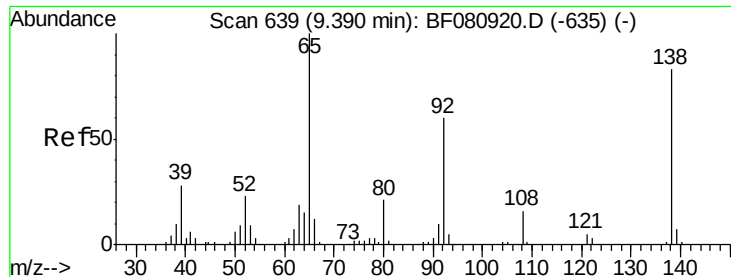
Delta R.T. 0.00 min

Lab File: BF080947.D

Acq: 8 Aug 2015 3:40

Tgt Ion:	162	Resp:	186980
Ion Ratio	Lower	Upper	
162	100		
127	42.5	32.5	48.7
164	32.9	26.2	39.4





#47

2-Nitroaniline

Concen: 27.37 ng

RT: 9.39 min Scan# 639

Delta R.T. 0.00 min

Lab File: BF080947.D

Acq: 8 Aug 2015 3:40

Instrument :

BNA_F

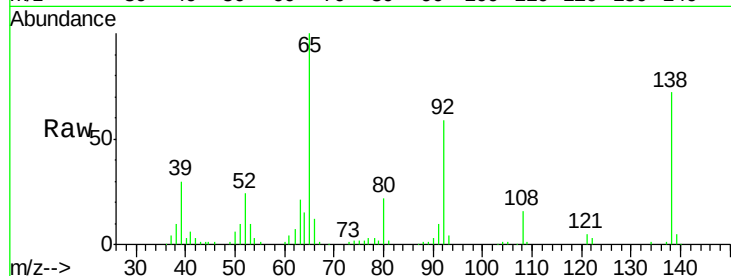
ClientSampleId :

SOIL-5MS

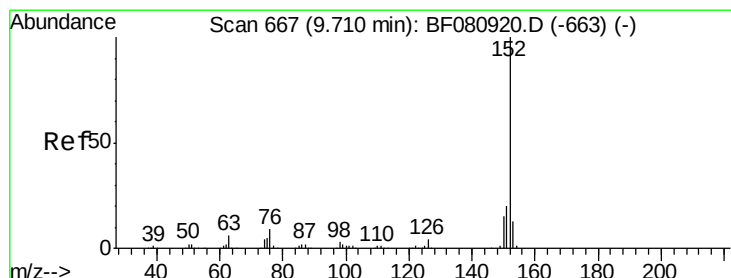
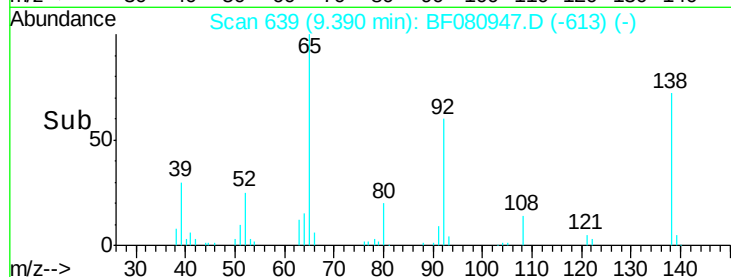
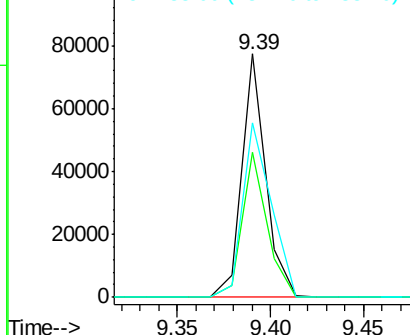
Tot Ion:	65	Resp:	68682
Ion Ratio	Lower	Upper	
65	100		
92	59.4	48.0	72.0
138	71.7	66.1	99.1

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Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): E



#48

Acenaphthylene

Concen: 28.68 ng

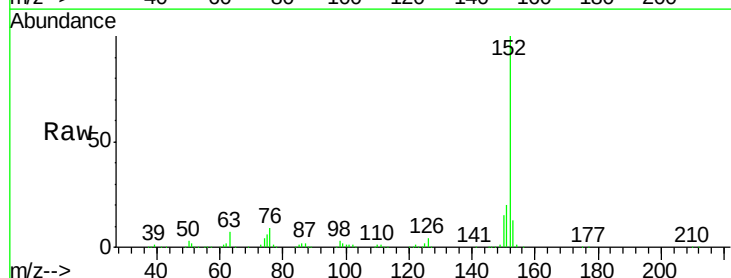
RT: 9.71 min Scan# 667

Delta R.T. 0.00 min

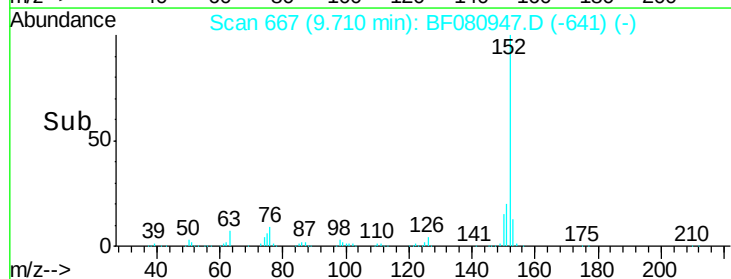
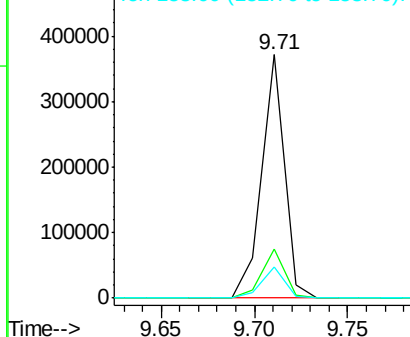
Lab File: BF080947.D

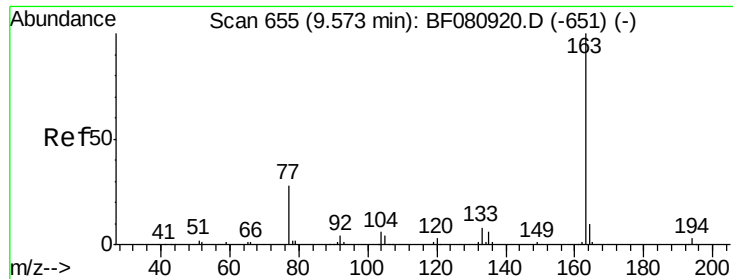
Acq: 8 Aug 2015 3:40

Tgt Ion:	152	Resp:	311955
Ion Ratio	Lower	Upper	
152	100		
151	20.4	16.3	24.5
153	12.8	10.5	15.7



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





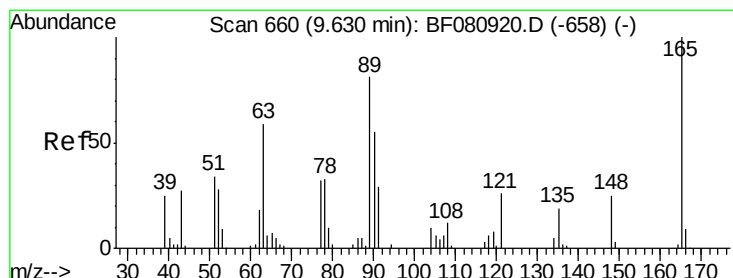
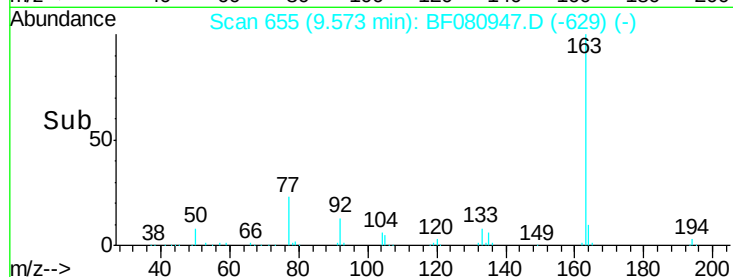
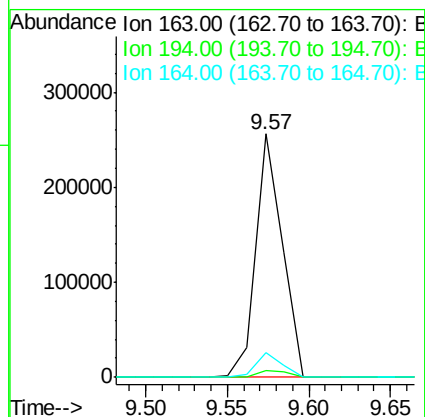
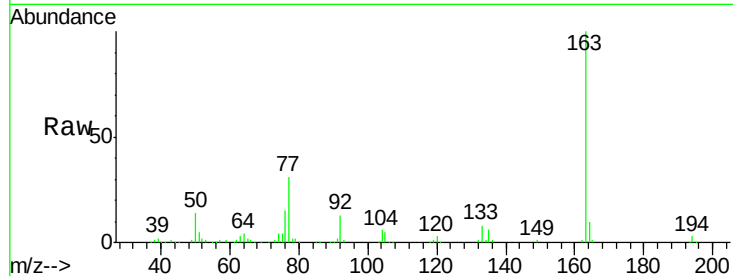
#49
Dimethylphthalate
Concen: 37.05 ng
RT: 9.57 min Scan# 655
Delta R.T. 0.00 min
Lab File: BF080947.D
Acq: 8 Aug 2015 3:40

Instrument :
BNA_F
ClientSampleId :
SOIL-5MS

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.0	2.4	3.6
164	10.3	8.2	12.4

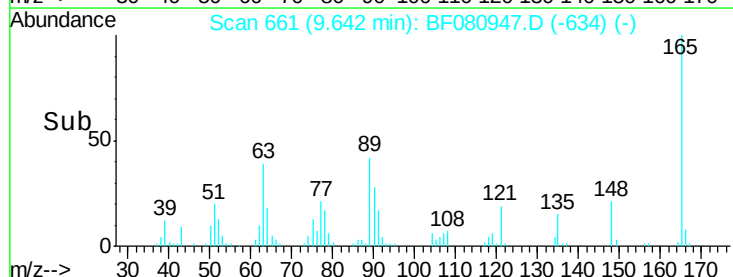
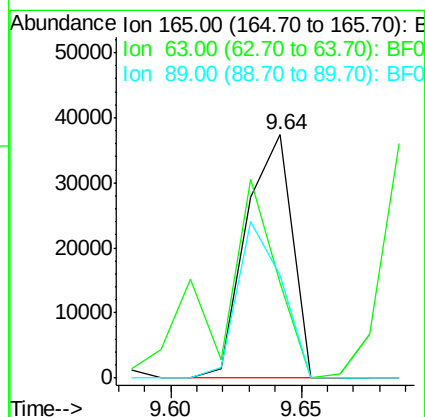
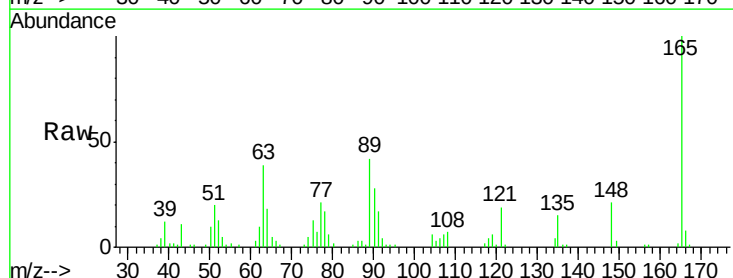
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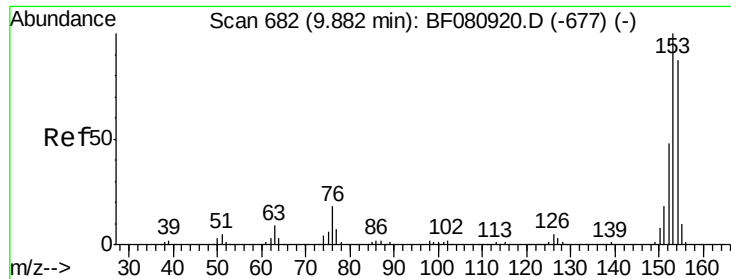
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#50
2,6-Dinitrotoluene
Concen: 28.43 ng
RT: 9.64 min Scan# 661
Delta R.T. 0.01 min
Lab File: BF080947.D
Acq: 8 Aug 2015 3:40

Tgt Ion	Ratio	Resp Lower	Upper
165	100		
63	39.3	77.6	116.4#
89	42.0	64.5	96.7#





#51

Acenaphthene

Concen: 27.96 ng

RT: 9.88 min Scan# 682

Delta R.T. 0.00 min

Lab File: BF080947.D

Acq: 8 Aug 2015 3:40

Instrument :

BNA_F

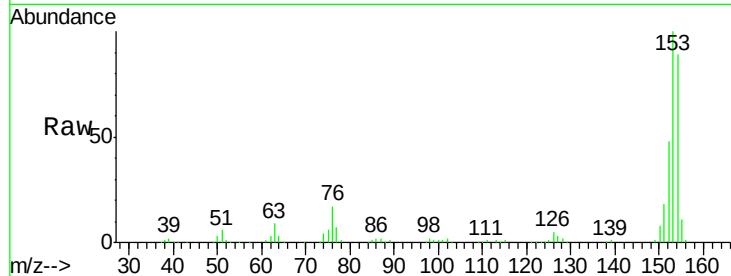
ClientSampleId :

SOIL-5MS

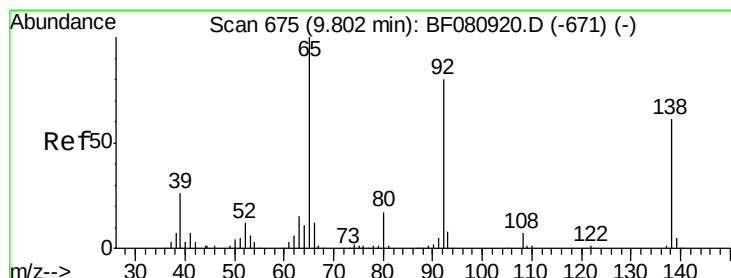
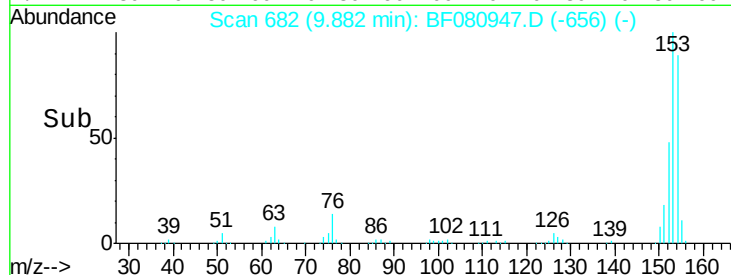
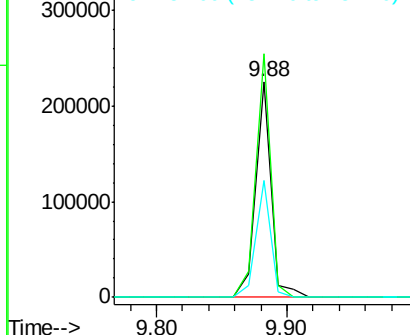
Tot Ion:	154	Resp:	186285
Ion Ratio	Lower	Upper	
154	100		
153	113.0	91.4	137.2
152	54.1	44.2	66.4

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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: 17.85 ng

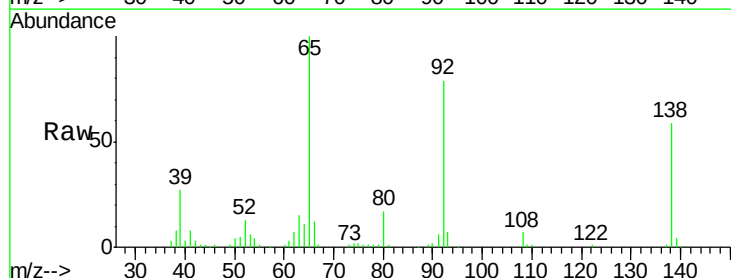
RT: 9.80 min Scan# 675

Delta R.T. 0.00 min

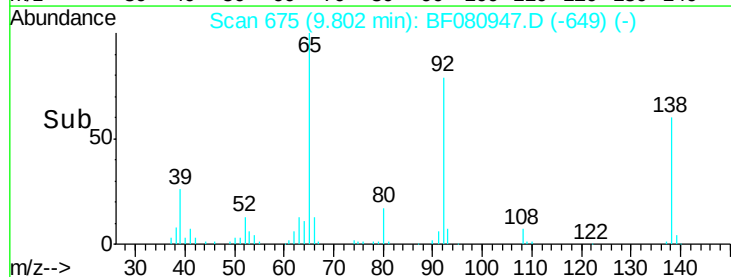
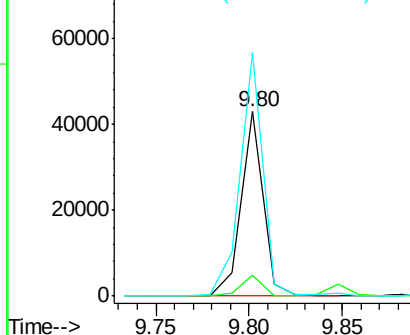
Lab File: BF080947.D

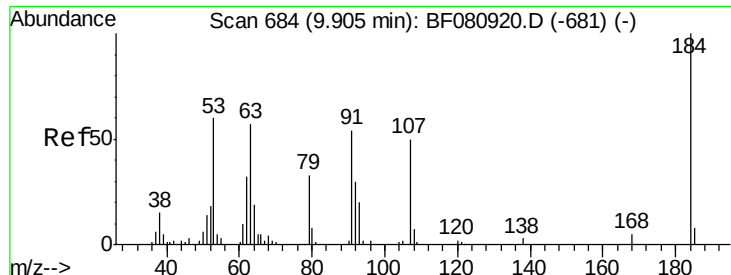
Acq: 8 Aug 2015 3:40

Tgt Ion:	138	Resp:	35325
Ion Ratio	Lower	Upper	
138	100		
108	11.3	8.7	13.1
92	132.2	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





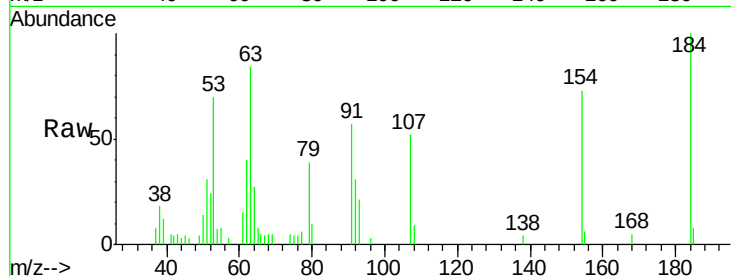
#53
2,4-Dinitrophenol
Concen: 15.28 ng
RT: 9.90 min Scan# 684
Delta R.T. 0.00 min
Lab File: BF080947.D
Acq: 8 Aug 2015 3:40

Instrument :
BNA_F
ClientSampleId :
SOIL-5MS

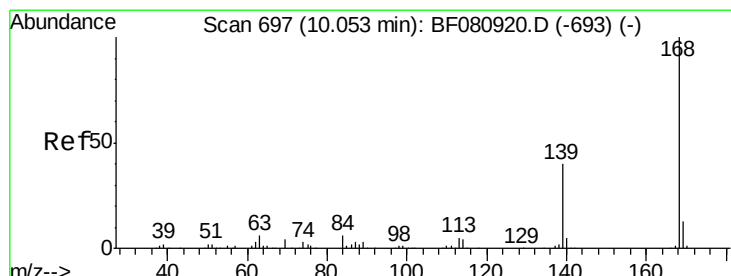
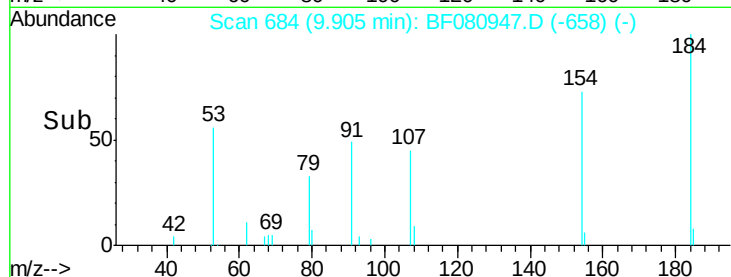
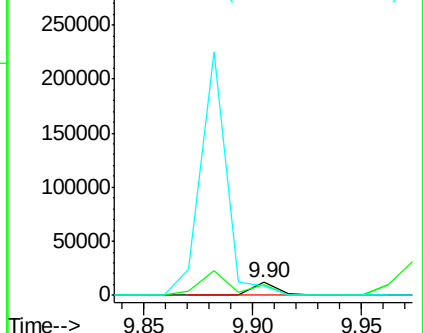
Tot Ion	Ratio	Lower	Upper
184	100		
63	84.1	59.7	89.5
154	73.0	53.8	80.8

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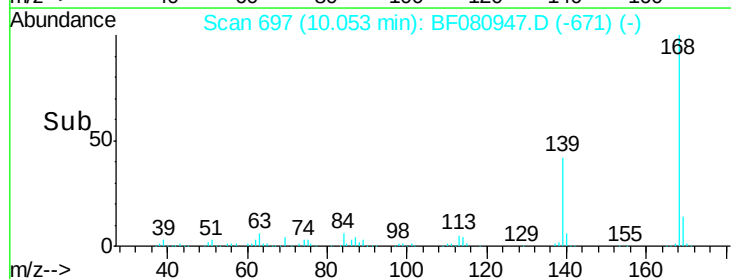
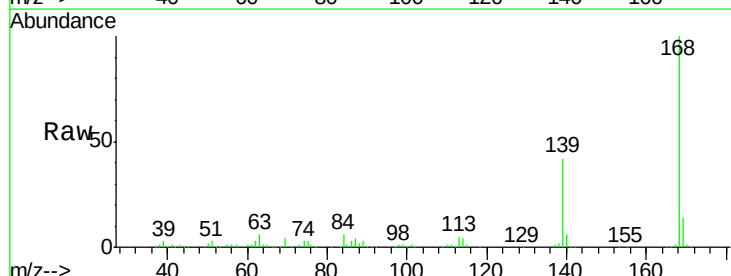
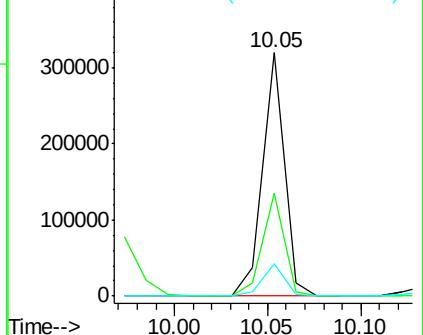
Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

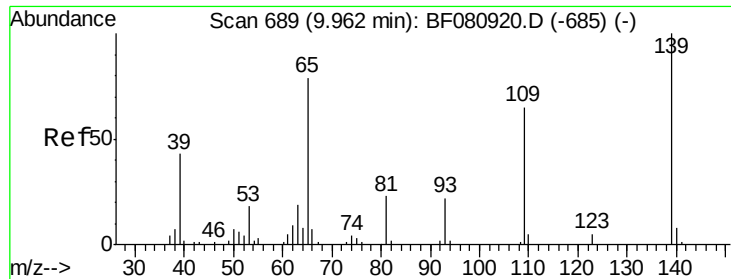


#54
Dibenzofuran
Concen: 28.63 ng
RT: 10.05 min Scan# 697
Delta R.T. 0.00 min
Lab File: BF080947.D
Acq: 8 Aug 2015 3:40

Tgt Ion	Ratio	Lower	Upper
168	100		
139	42.4	31.9	47.9
169	13.5	10.6	15.8

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





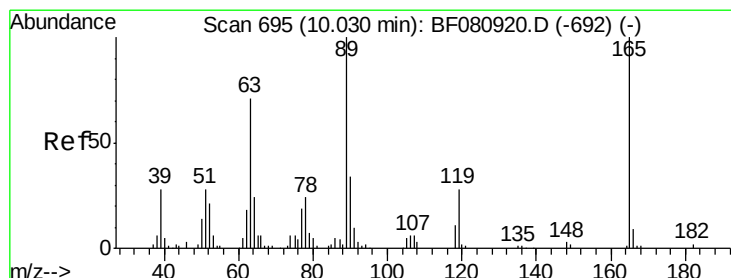
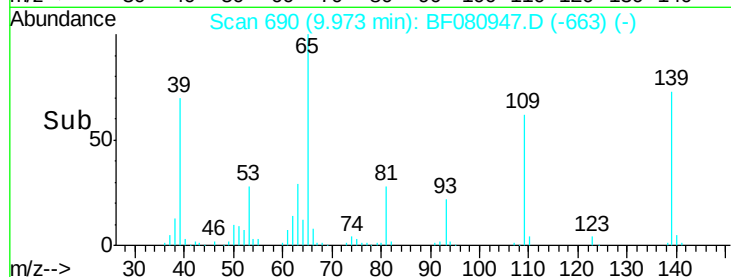
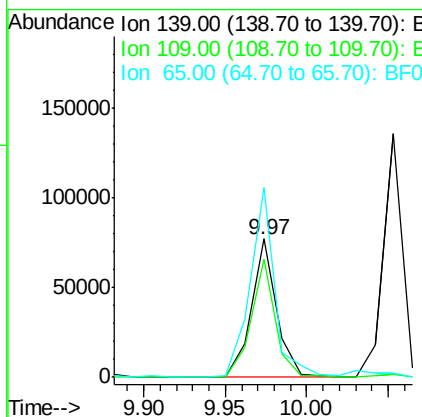
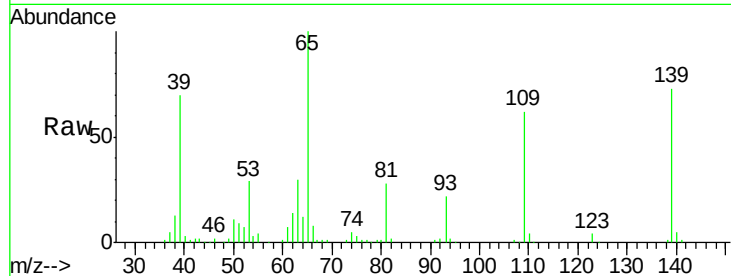
#55
4-Nitrophenol
Concen: 55.79 ng
RT: 9.97 min Scan# 690
Delta R.T. 0.01 min
Lab File: BF080947.D
Acq: 8 Aug 2015 3:40

Instrument :
BNA_F
ClientSampleId :
SOIL-5MS

Tot Ion	Ratio	Resp	Lower	Upper
139	100			
109	85.0	44.7	84.7#	
65	136.7	59.5	99.5#	

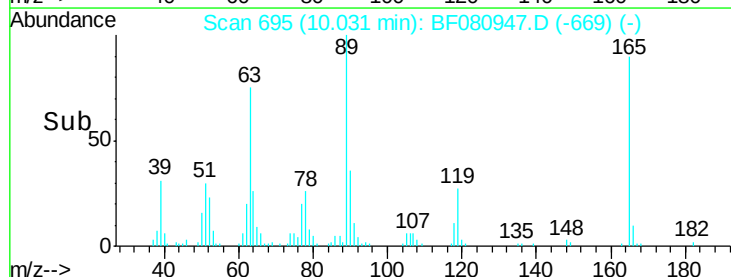
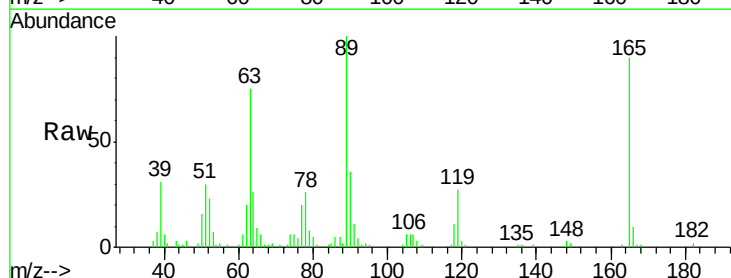
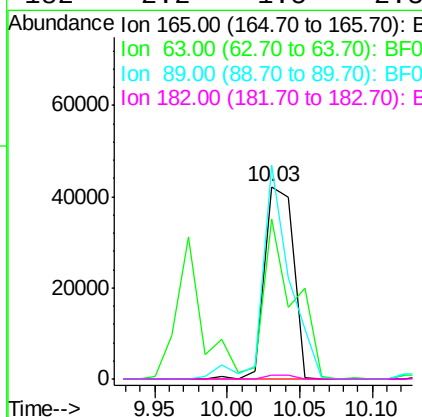
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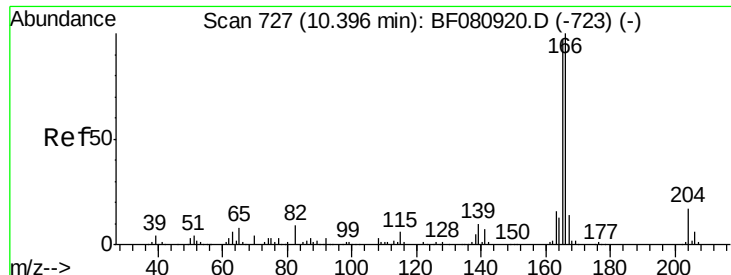
MMDadoda
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#56
2,4-Dinitrotoluene
Concen: 27.13 ng
RT: 10.03 min Scan# 695
Delta R.T. 0.00 min
Lab File: BF080947.D
Acq: 8 Aug 2015 3:40

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	83.0	56.7	85.1	
89	111.0	80.4	120.6	
182	2.2	1.5	2.3	





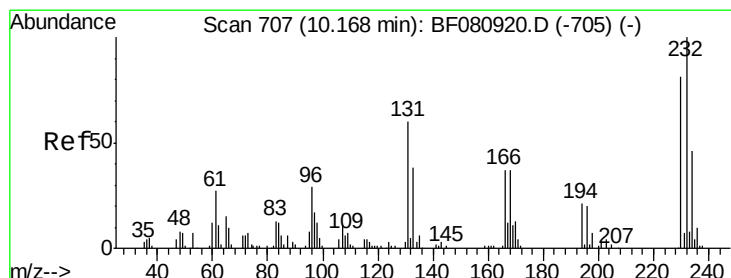
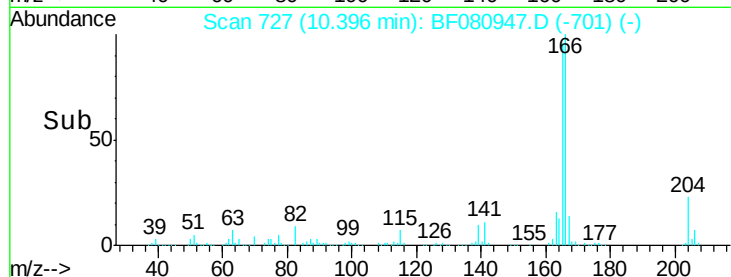
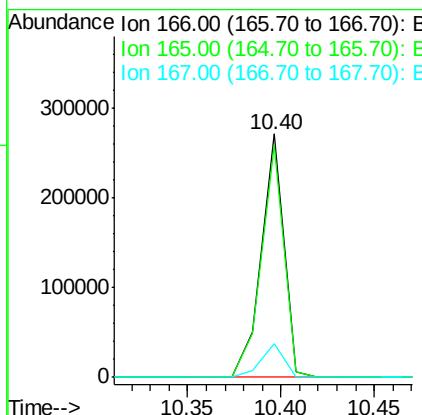
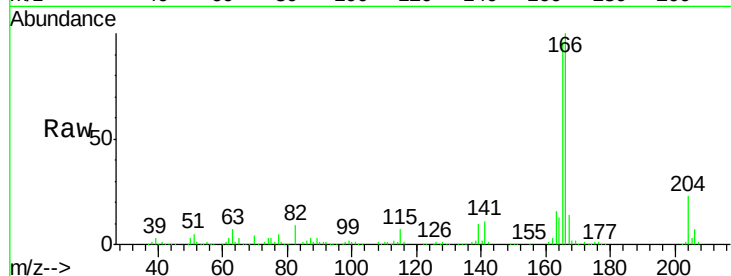
#57
 Fluorene
 Concen: 32.41 ng
 RT: 10.40 min Scan# 727
 Delta R.T. 0.00 min
 Lab File: BF080947.D
 Acq: 8 Aug 2015 3:40

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-5MS

Tot Ion	Ratio	Resp	Lower	Upper
166	100	225889		
165	95.6	77.2	115.8	
167	13.6	10.8	16.2	

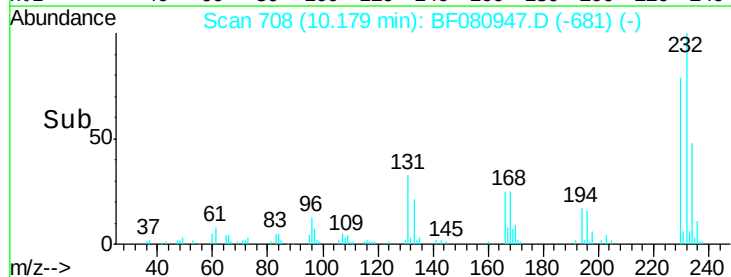
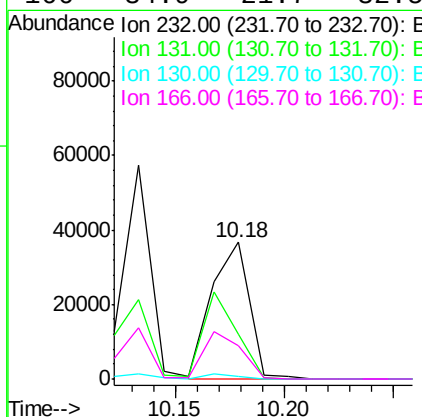
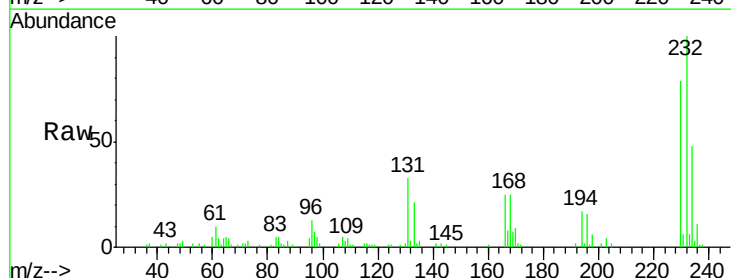
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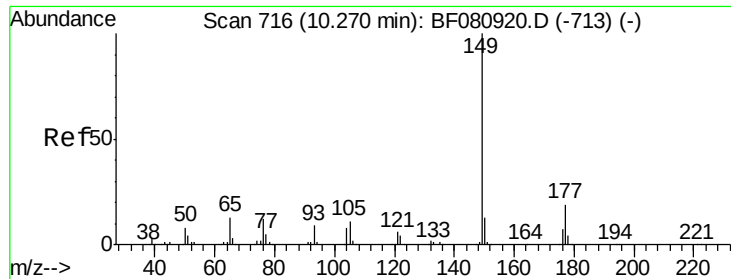
MMDadoda
 8/10/2015 7:20:33 PM



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 26.31 ng
 RT: 10.18 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: BF080947.D
 Acq: 8 Aug 2015 3:40

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	44334		
131	55.4	39.4	59.2	
130	3.0	2.1	3.1	
166	34.9	21.7	32.5#	





#59

Diethylphthalate

Concen: 26.95 ng

RT: 10.28 min Scan# 717

Delta R.T. 0.01 min

Lab File: BF080947.D

Acq: 8 Aug 2015 3:40

Instrument :

BNA_F

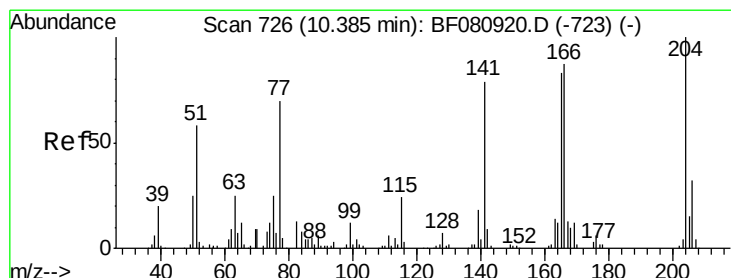
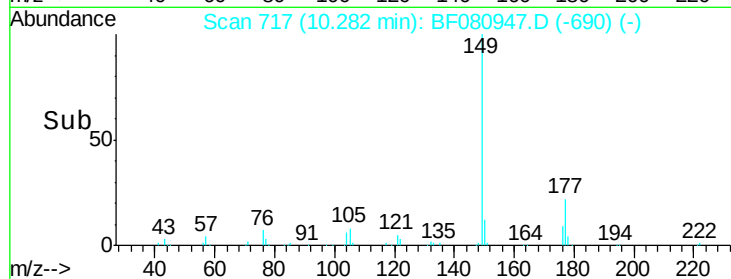
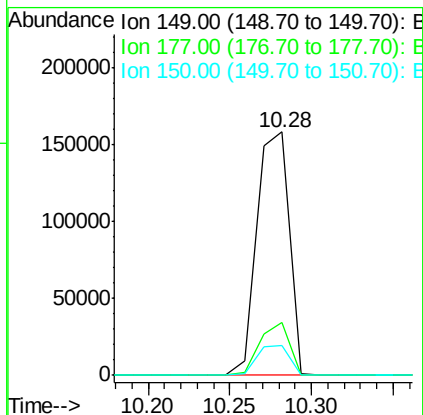
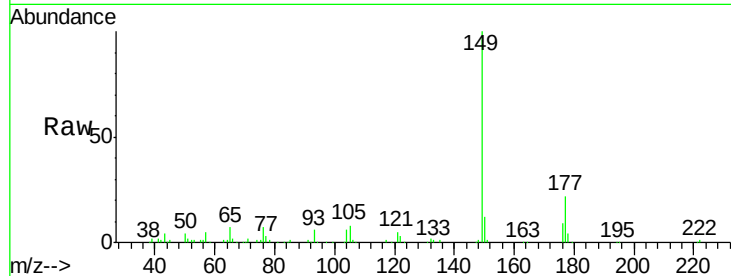
ClientSampleId :

SOIL-5MS

Tot Ion:	149	Resp:	217880
Ion Ratio	Lower	Upper	
149	100		
177	21.7	15.0	22.4
150	12.3	10.4	15.6

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#60

4-Chlorophenyl-phenylether

Concen: 25.66 ng

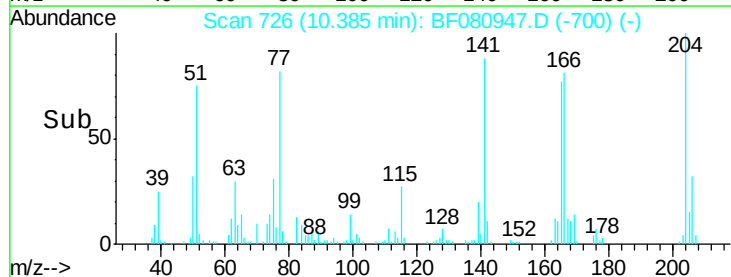
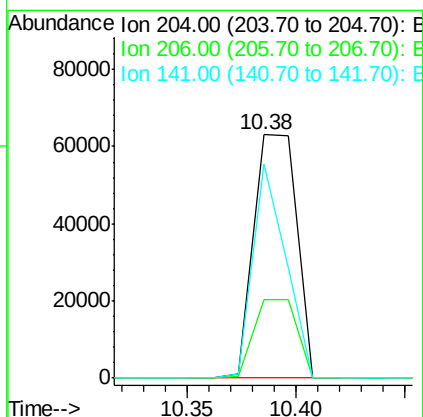
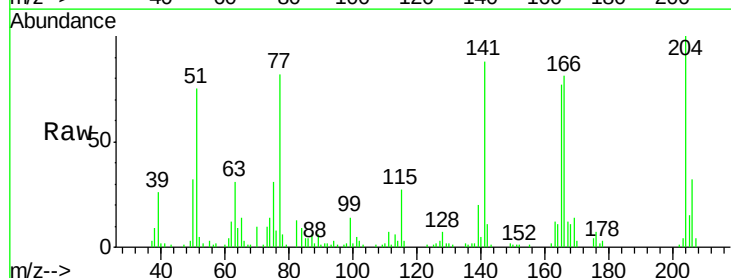
RT: 10.38 min Scan# 726

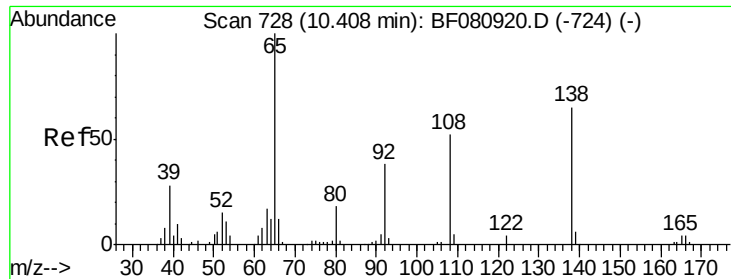
Delta R.T. 0.00 min

Lab File: BF080947.D

Acq: 8 Aug 2015 3:40

Tgt Ion:	204	Resp:	87128
Ion Ratio	Lower	Upper	
204	100		
206	32.3	25.5	38.3
141	87.8	63.4	95.0





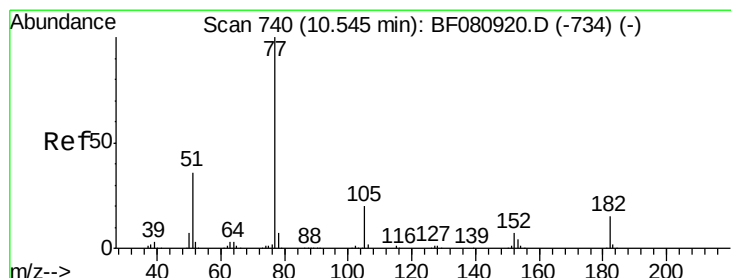
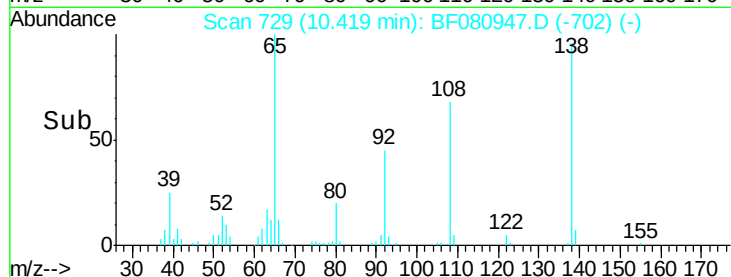
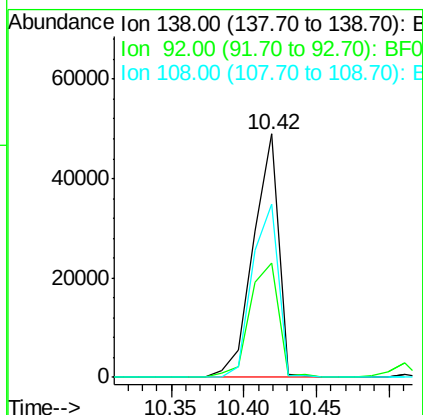
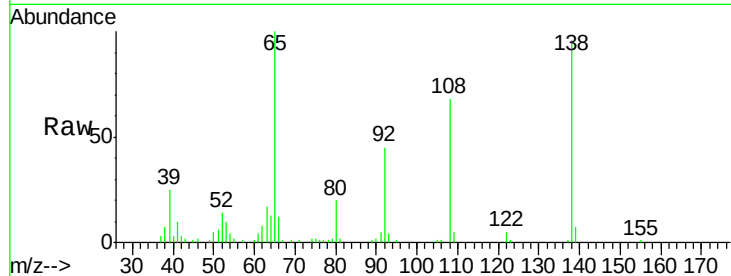
#61
4-Nitroaniline
Concen: 28.96 ng
RT: 10.42 min Scan# 729
Delta R.T. 0.01 min
Lab File: BF080947.D
Acq: 8 Aug 2015 3:40

Instrument :
BNA_F
ClientSampleId :
SOIL-5MS

Tot Ion	Ratio	Resp	Lower	Upper
138	100	58960		
92	47.2	38.1	78.1	
108	71.2	59.9	99.9	

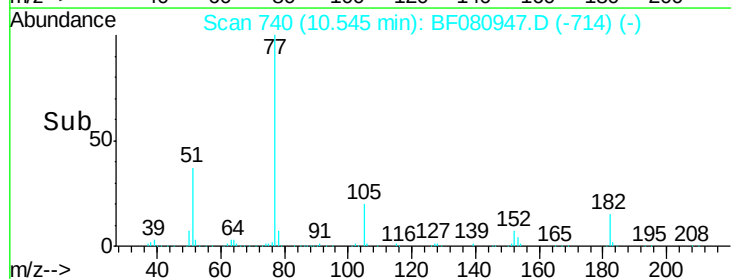
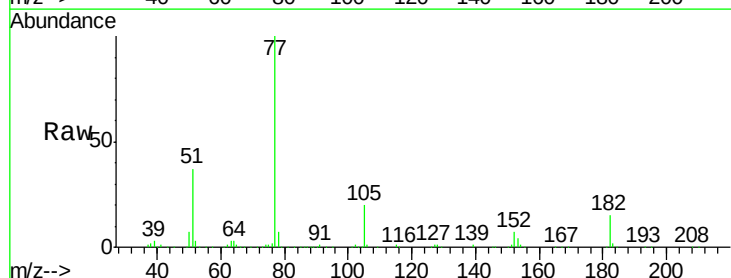
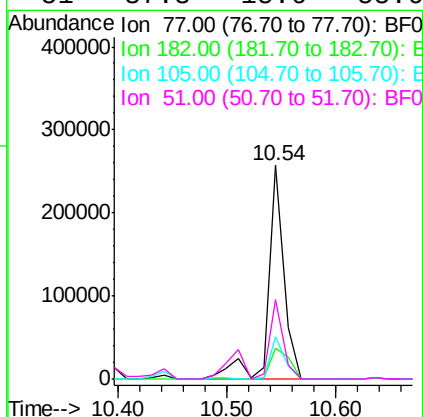
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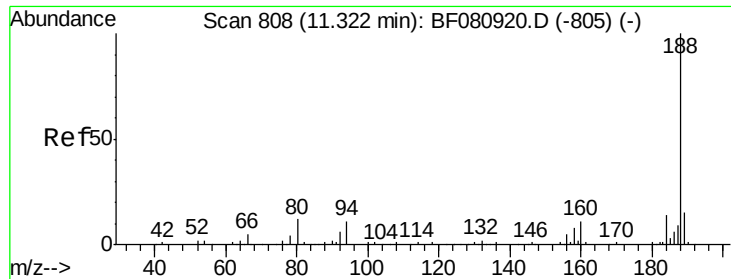
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#62
Azobenzene
Concen: 28.47 ng
RT: 10.54 min Scan# 740
Delta R.T. 0.00 min
Lab File: BF080947.D
Acq: 8 Aug 2015 3:40

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	257430		
182	14.6	0.0	35.5	
105	19.8	0.5	40.5	
51	37.3	15.6	55.6	





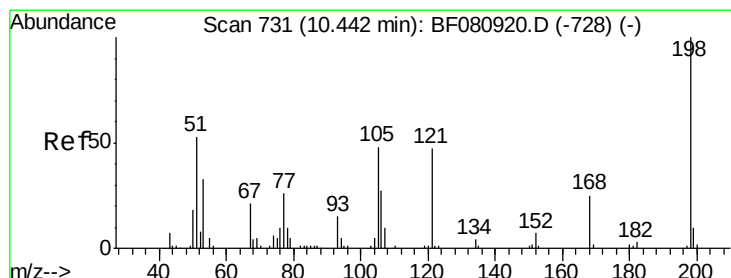
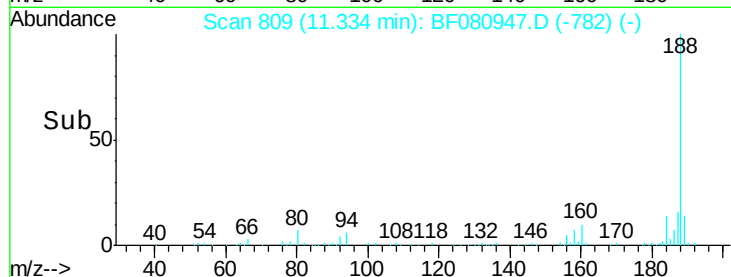
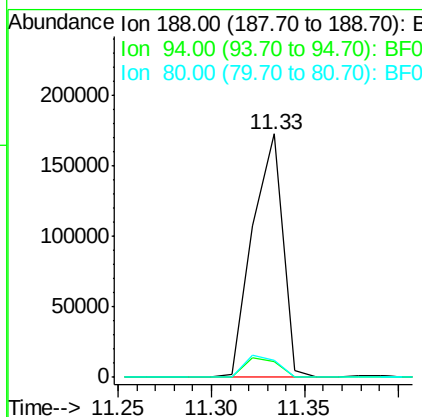
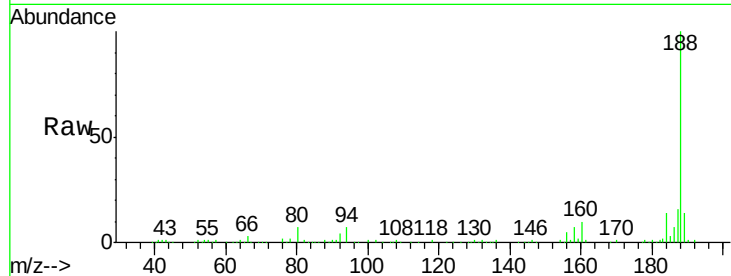
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.33 min Scan# 809
 Delta R.T. 0.01 min
 Lab File: BF080947.D
 Acq: 8 Aug 2015 3:40

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-5MS

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	6.6	8.8	13.2#
80	6.9	9.5	14.3#

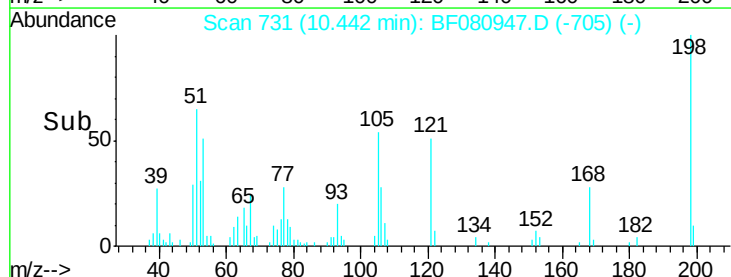
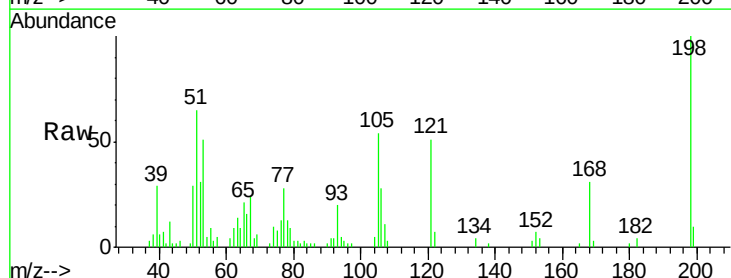
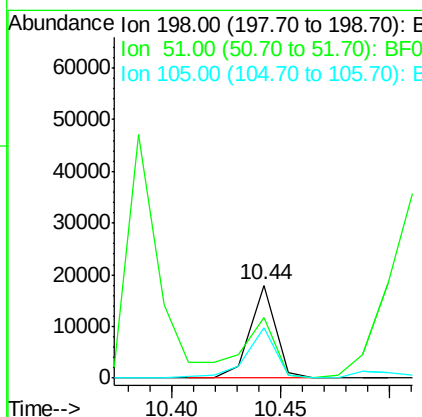
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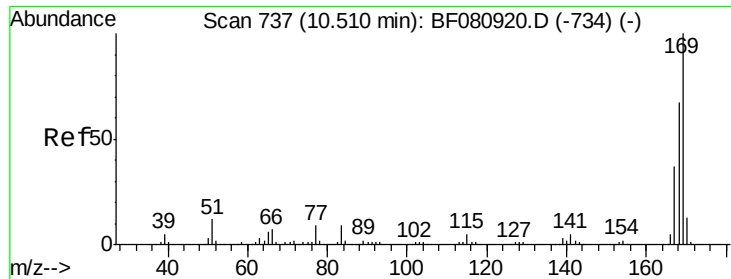
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#64
 4,6-Dinitro-2-methylphenol
 Concen: 12.09 ng
 RT: 10.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: BF080947.D
 Acq: 8 Aug 2015 3:40

Tgt Ion	Ratio	Resp Lower	Upper
198	100		
51	65.1	40.3	80.3
105	53.6	29.6	69.6





#65

n-Nitrosodiphenylamine

Concen: 26.92 ng

RT: 10.51 min Scan# 737

Delta R.T. 0.00 min

Lab File: BF080947.D

Acq: 8 Aug 2015 3:40

Instrument :

BNA_F

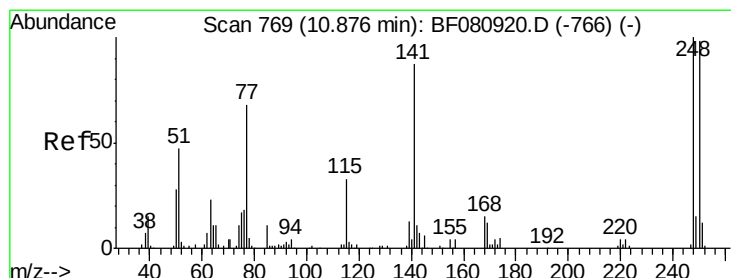
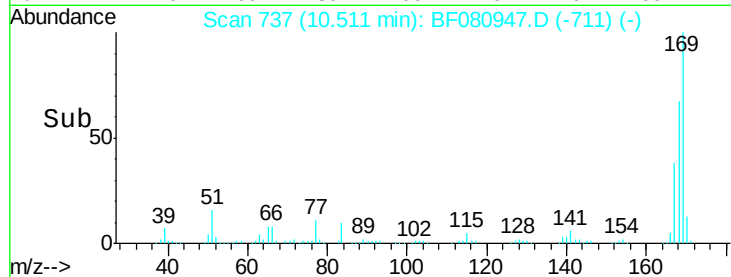
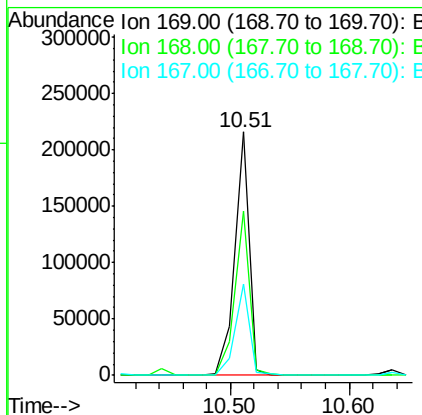
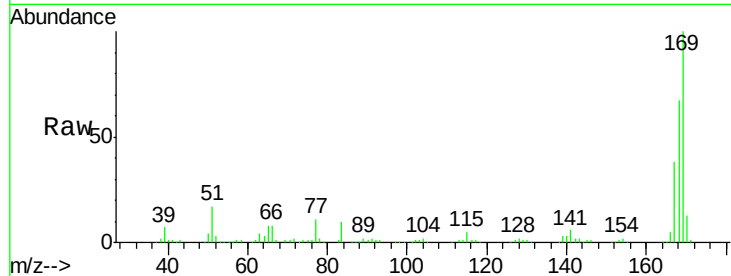
ClientSampleId :

SOIL-5MS

Tot Ion:	169	Resp:	183522
Ion Ratio	Lower	Upper	
169	100		
168	67.5	53.7	80.5
167	37.6	29.3	43.9

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#66

4-Bromophenyl-phenylether

Concen: 26.22 ng

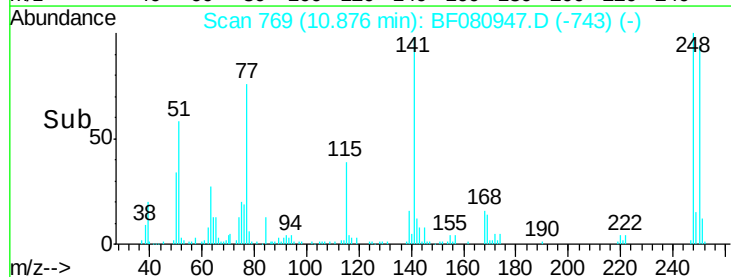
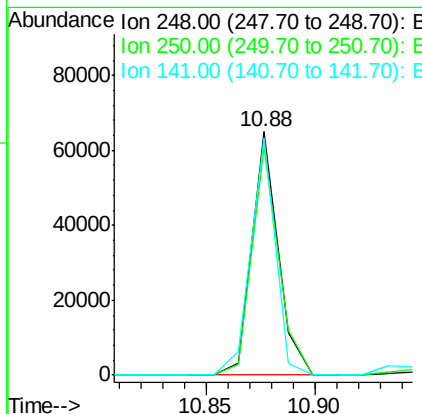
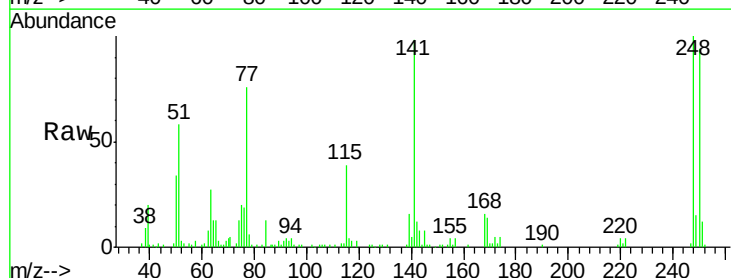
RT: 10.88 min Scan# 769

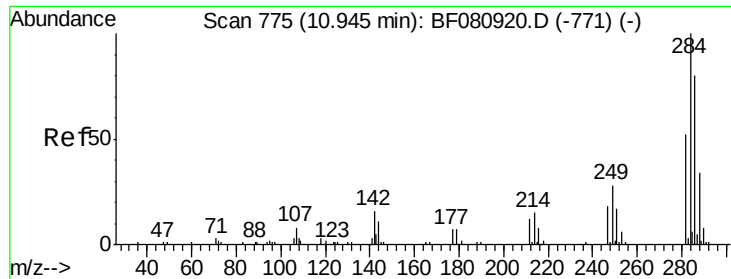
Delta R.T. 0.00 min

Lab File: BF080947.D

Acq: 8 Aug 2015 3:40

Tgt Ion:	248	Resp:	54491
Ion Ratio	Lower	Upper	
248	100		
250	94.0	78.1	117.1
141	97.7	69.6	104.4





#67

Hexachlorobenzene

Concen: 27.18 ng

RT: 10.94 min Scan# 775

Delta R.T. 0.00 min

Lab File: BF080947.D

Acq: 8 Aug 2015 3:40

Instrument :

BNA_F

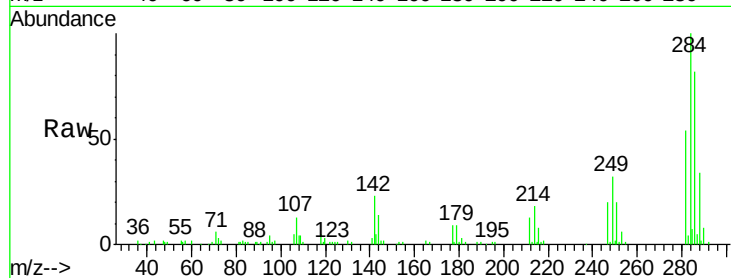
ClientSampleId :

SOIL-5MS

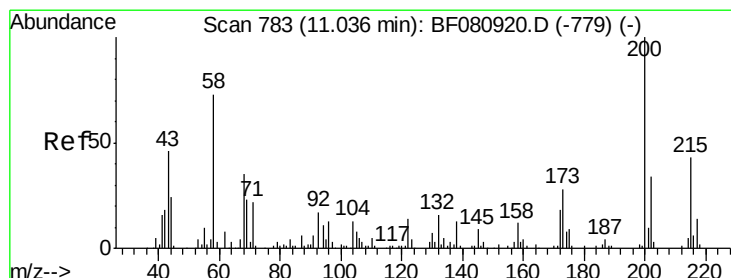
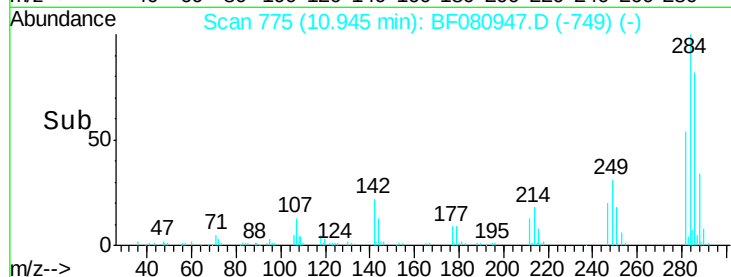
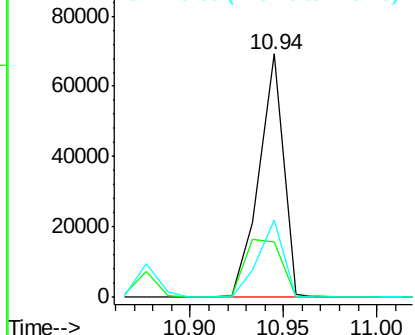
Tot Ion:	284	Resp:	62794
Ion Ratio	Lower	Upper	
284	100		
142	22.7	12.8	19.2#
249	31.9	22.5	33.7

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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: 31.46 ng

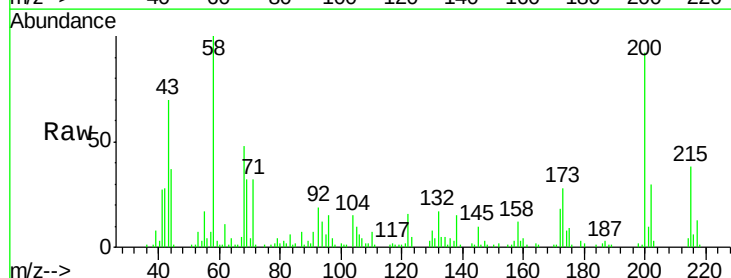
RT: 11.04 min Scan# 783

Delta R.T. 0.00 min

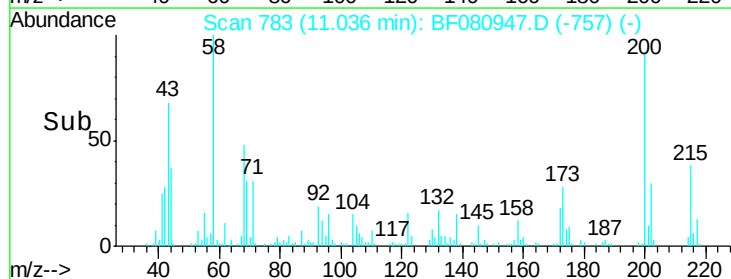
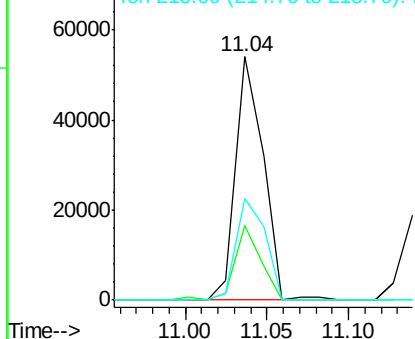
Lab File: BF080947.D

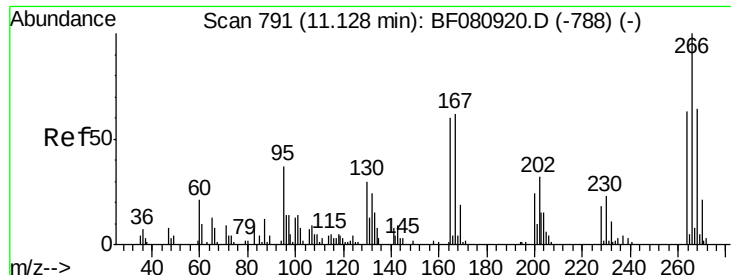
Acq: 8 Aug 2015 3:40

Tgt Ion:	200	Resp:	62883
Ion Ratio	Lower	Upper	
200	100		
173	30.7	8.4	48.4
215	41.5	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





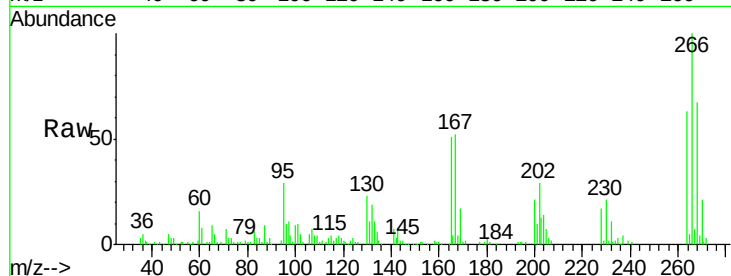
#69
 Pentachlorophenol
 Concen: 58.31 ng
 RT: 11.14 min Scan# 792
 Delta R.T. 0.01 min
 Lab File: BF080947.D
 Acq: 8 Aug 2015 3:40

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-5MS

Tot Ion	Ratio	Resp	Lower	Upper
266	100	78348		
268	66.8	51.6	77.4	
264	62.8	50.1	75.1	

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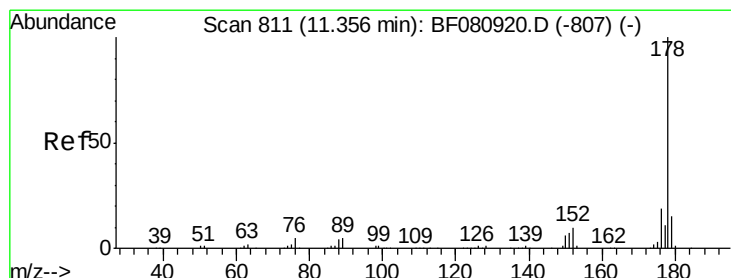
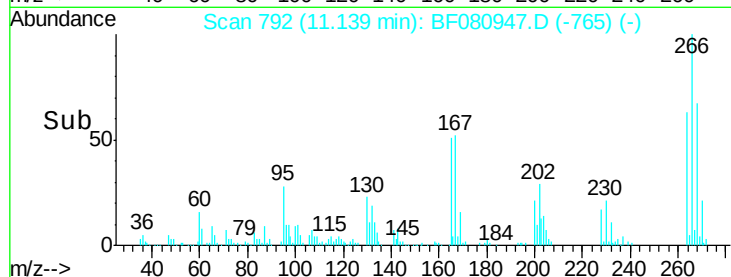
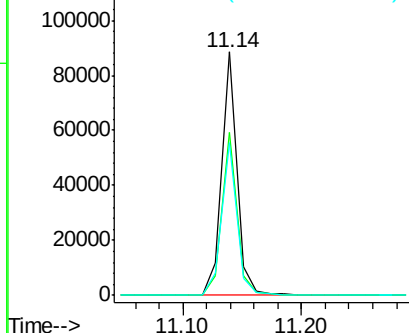


Abundance

Ion 265.70 (265.40 to 266.40): E

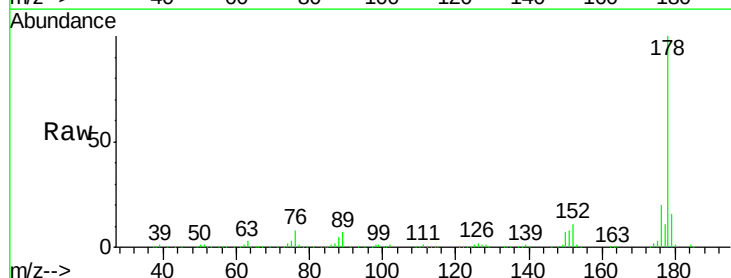
Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#70
 Phenanthrene
 Concen: 34.06 ng
 RT: 11.36 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: BF080947.D
 Acq: 8 Aug 2015 3:40

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	378473		
176	20.4	15.6	23.4	
179	15.6	11.9	17.9	

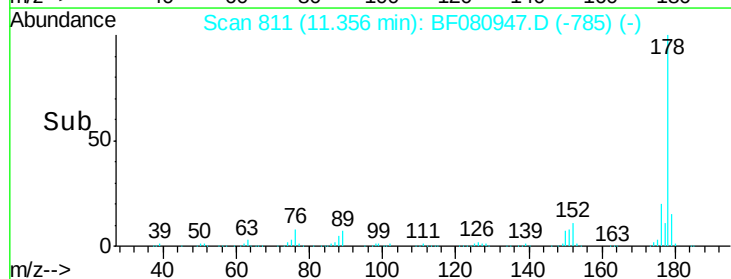
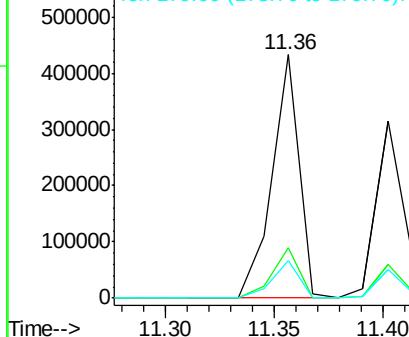


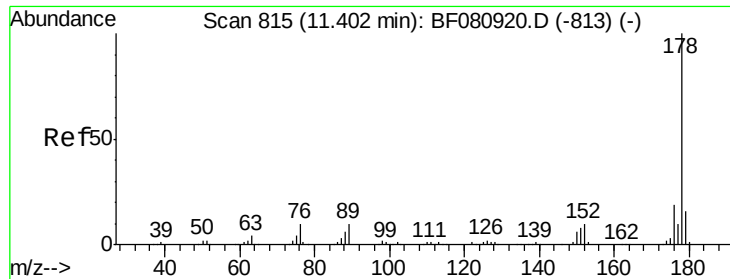
Abundance

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





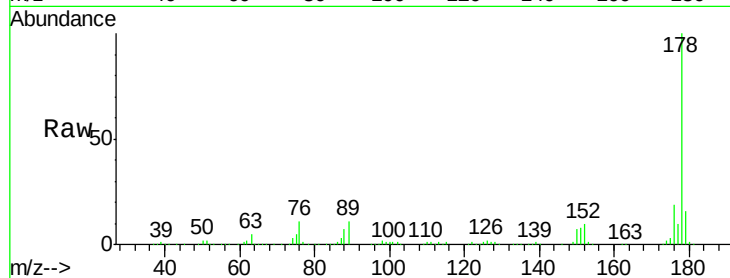
#71
 Anthracene
 Concen: 25.50 ng
 RT: 11.40 min Scan# 815
 Delta R.T. 0.00 min
 Lab File: BF080947.D
 Acq: 8 Aug 2015 3:40

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-5MS

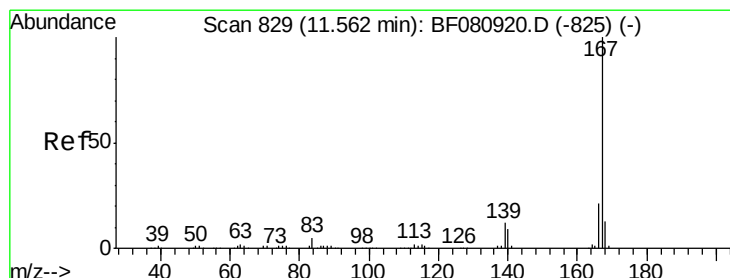
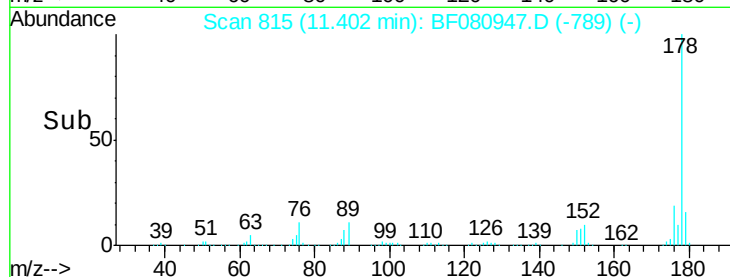
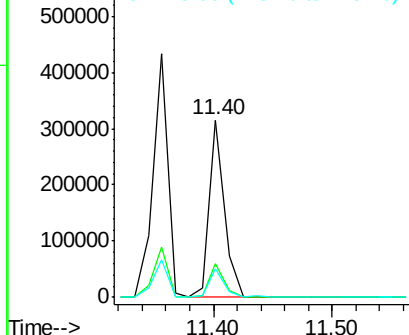
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.5	23.3
179	15.8	12.6	18.8

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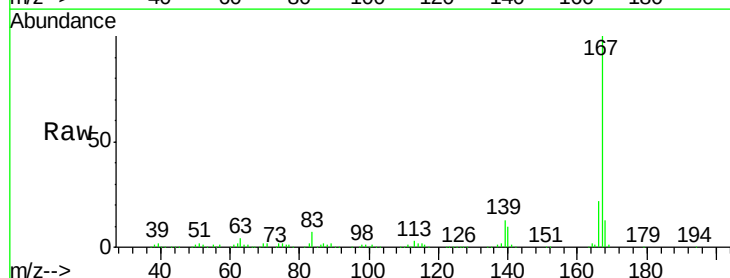


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

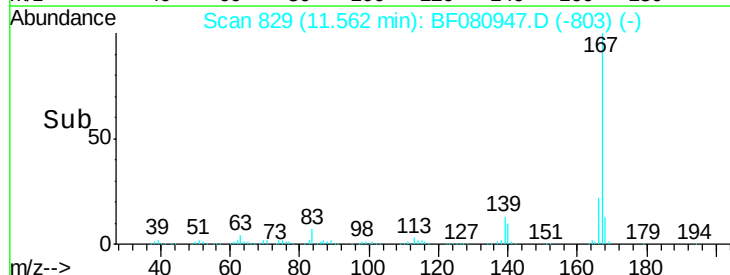
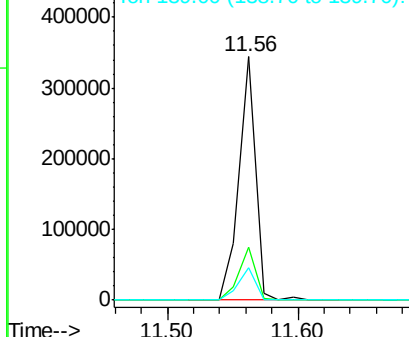


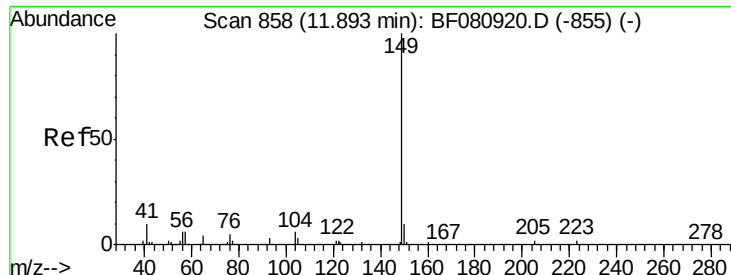
#72
 Carbazole
 Concen: 28.15 ng
 RT: 11.56 min Scan# 829
 Delta R.T. 0.00 min
 Lab File: BF080947.D
 Acq: 8 Aug 2015 3:40

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.1	25.7
139	13.3	9.2	13.8



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 25.46 ng

RT: 11.89 min Scan# 858

Delta R.T. 0.00 min

Lab File: BF080947.D

Acq: 8 Aug 2015 3:40

Instrument :

BNA_F

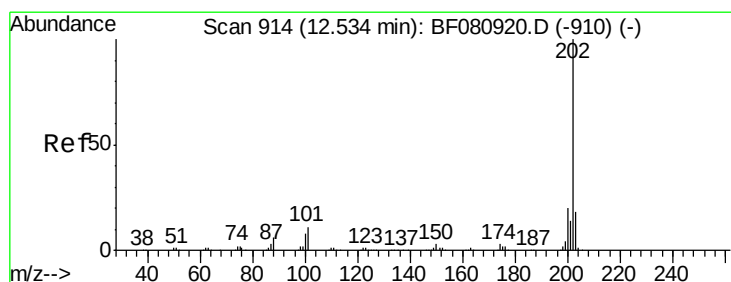
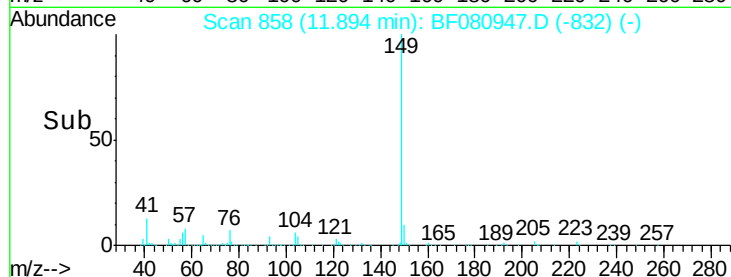
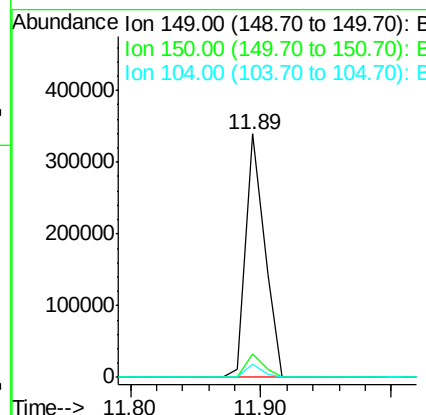
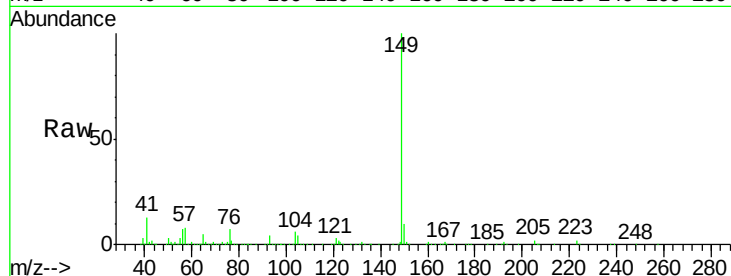
ClientSampleId :

SOIL-5MS

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Tot Ion	Ratio	Resp	Lower	Upper
149	100			
150	9.6	7.6	11.4	
104	5.6	4.4	6.6	



#74

Fluoranthene

Concen: 32.75 ng

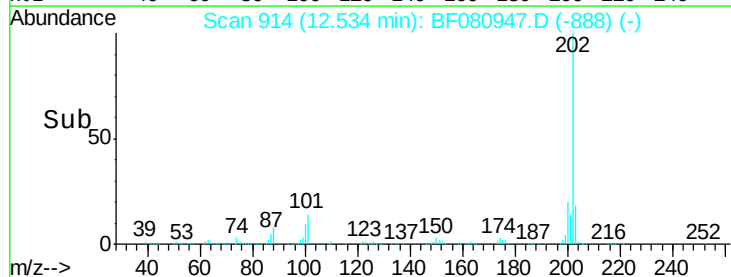
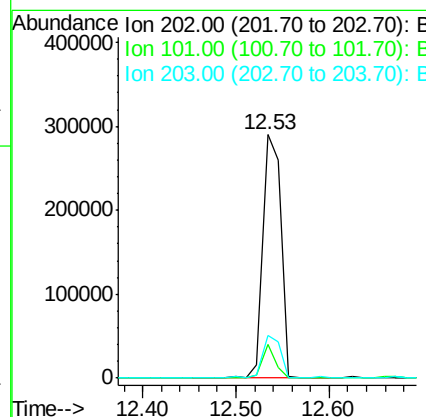
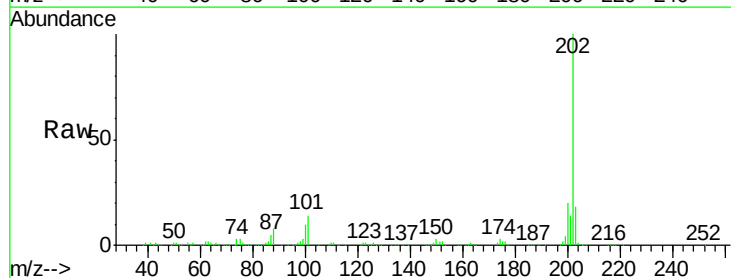
RT: 12.53 min Scan# 914

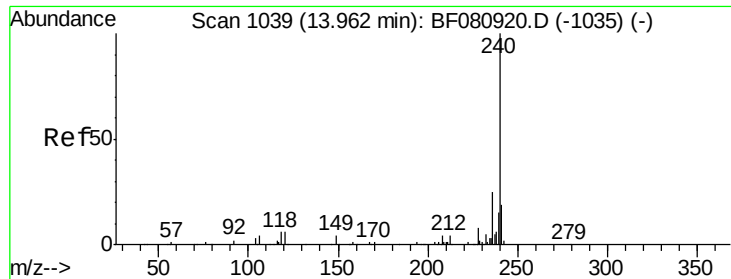
Delta R.T. 0.00 min

Lab File: BF080947.D

Acq: 8 Aug 2015 3:40

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
101	13.6	0.0	30.5	
203	17.7	0.0	37.7	





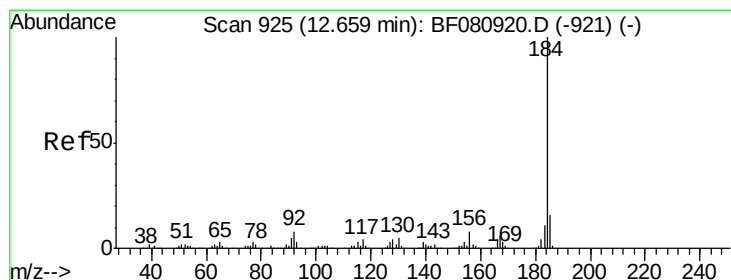
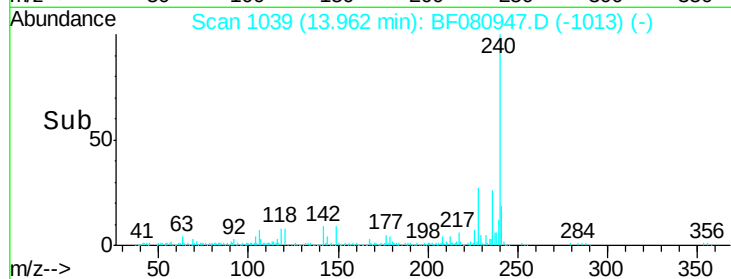
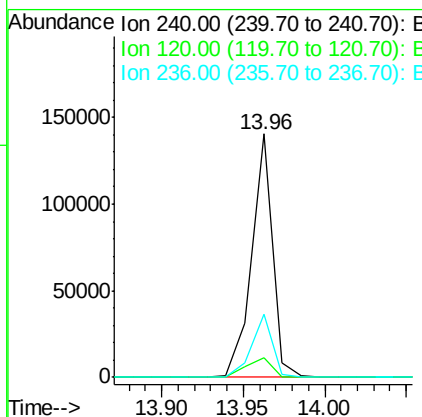
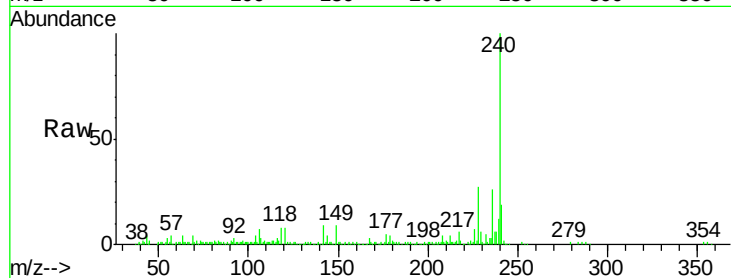
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.96 min Scan# 1039
Delta R.T. 0.00 min
Lab File: BF080947.D
Acq: 8 Aug 2015 3:40

Instrument :
BNA_F
ClientSampleId :
SOIL-5MS

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.2	5.2	7.8#
236	25.9	20.2	30.4

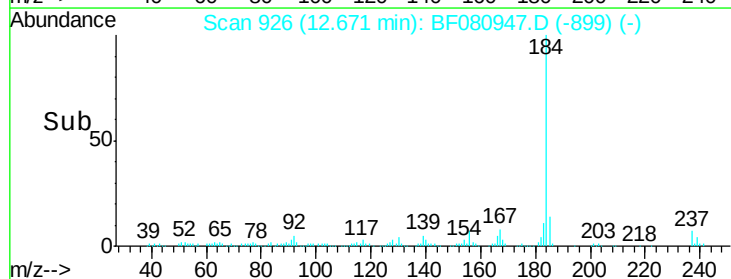
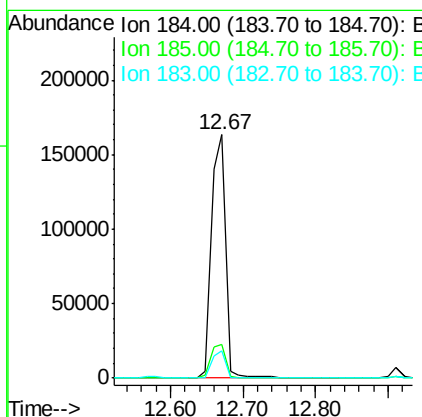
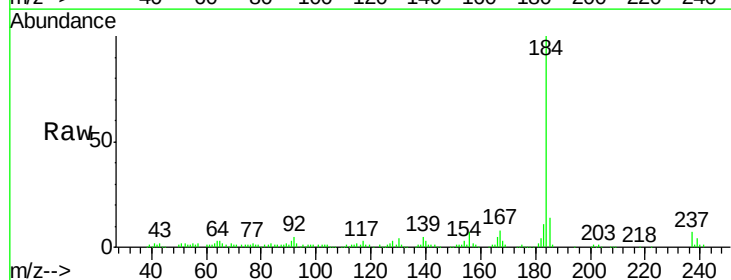
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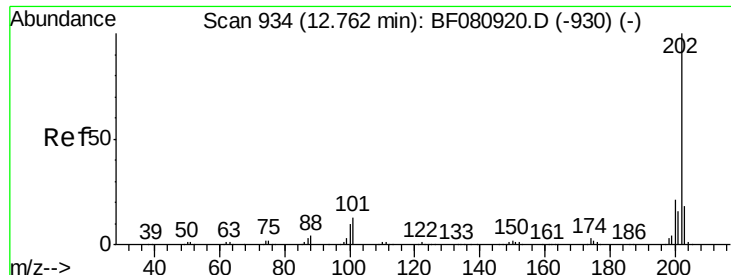
MMDadoda
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#76
Benzidine
Concen: 41.50 ng
RT: 12.67 min Scan# 926
Delta R.T. 0.01 min
Lab File: BF080947.D
Acq: 8 Aug 2015 3:40

Tgt Ion	Ratio	Lower	Upper
184	100		
185	13.6	13.0	19.4
183	11.0	8.7	13.1





#77

Pvrene

Concen: 41.51 ng

RT: 12.76 min Scan# 934

Delta R.T. 0.00 min

Lab File: BF080947.D

Acq: 8 Aug 2015 3:40

Instrument :

BNA_F

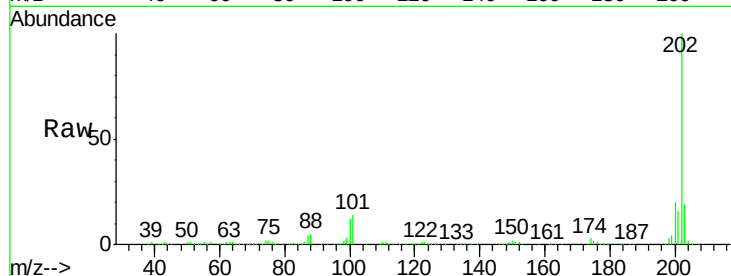
ClientSampled :

SOIL-5MS

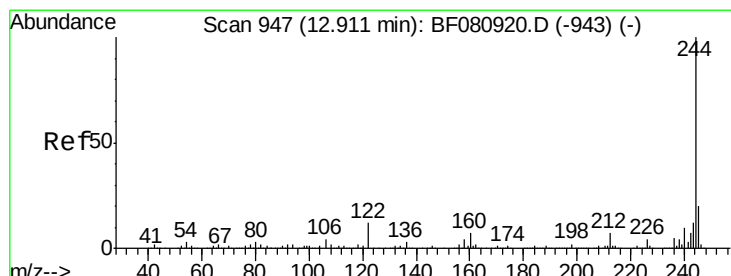
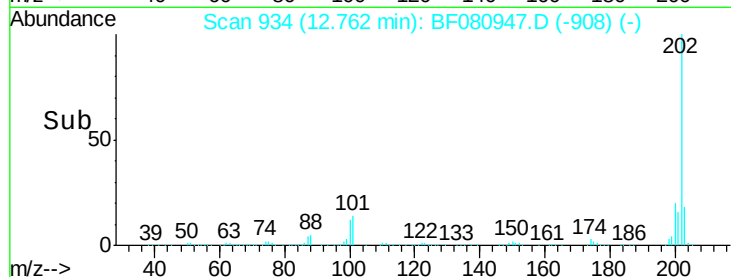
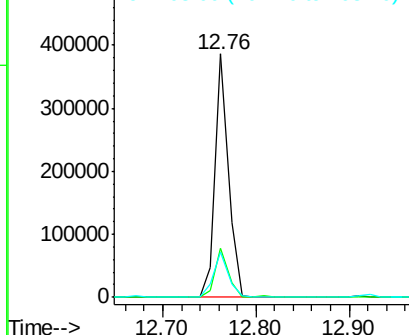
Tot Ion:	202	Resp:	383908
Ion Ratio		Lower	Upper
202	100		
200	20.1	16.6	24.8
203	18.5	14.2	21.2

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 68.02 ng

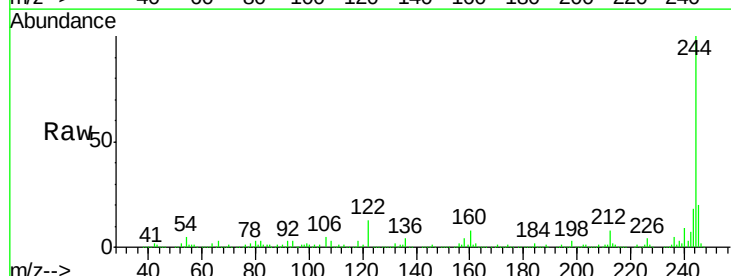
RT: 12.91 min Scan# 947

Delta R.T. 0.00 min

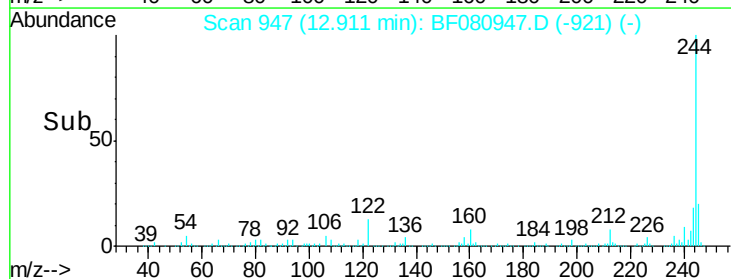
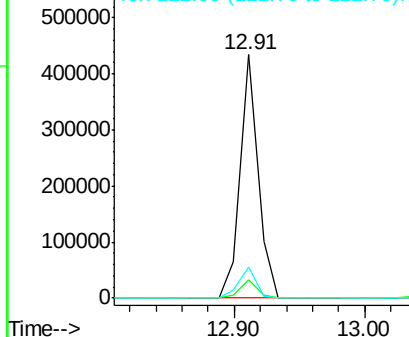
Lab File: BF080947.D

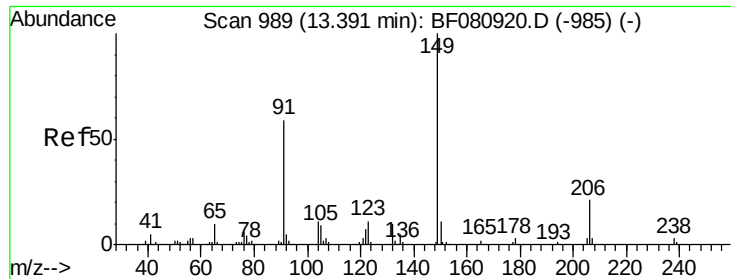
Acq: 8 Aug 2015 3:40

Tgt Ion:	244	Resp:	412309
Ion Ratio		Lower	Upper
244	100		
212	7.6	5.8	8.8
122	12.8	9.4	14.2



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





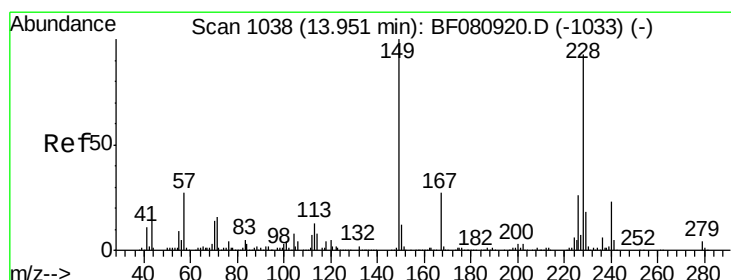
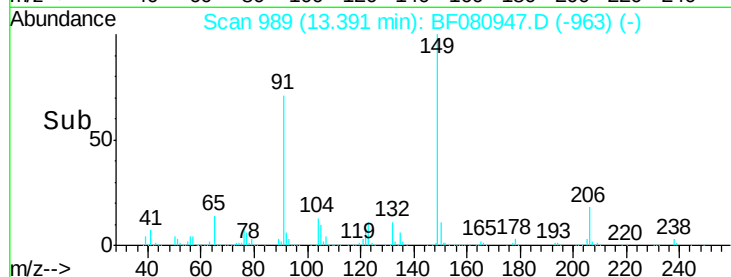
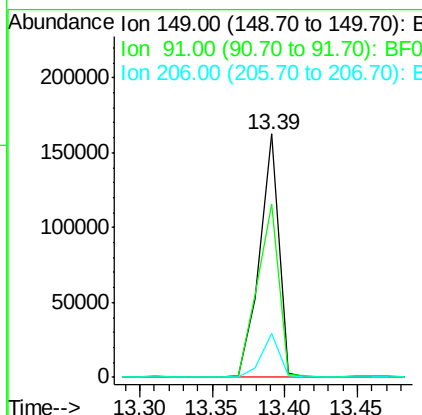
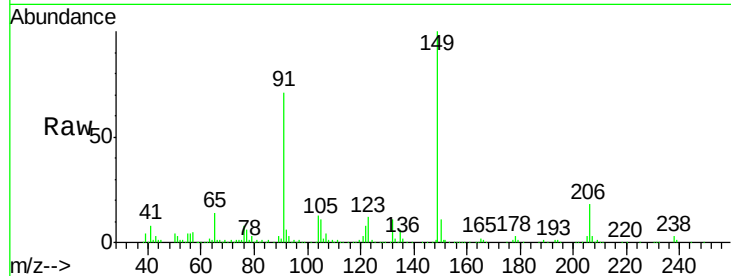
#79
Butylbenzylphthalate
Concen: 33.43 ng
RT: 13.39 min Scan# 989
Delta R.T. 0.00 min
Lab File: BF080947.D
Acq: 8 Aug 2015 3:40

Instrument :
BNA_F
ClientSampleId :
SOIL-5MS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	149044		
91	71.4	47.2	70.8	
206	18.0	16.5	24.7	

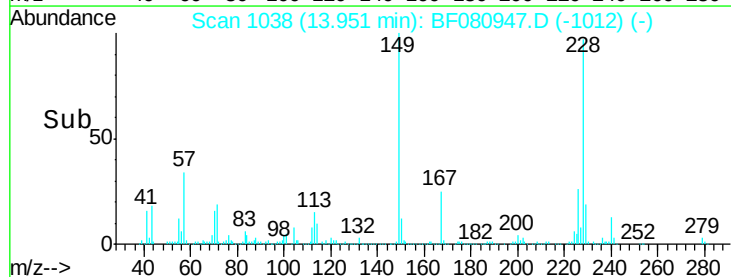
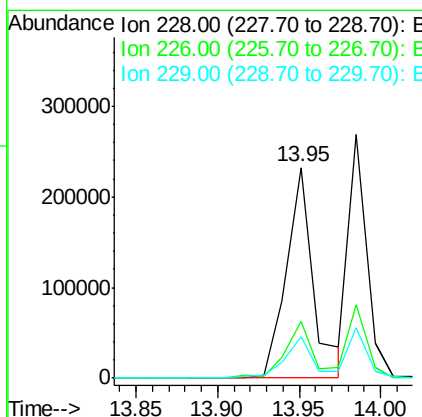
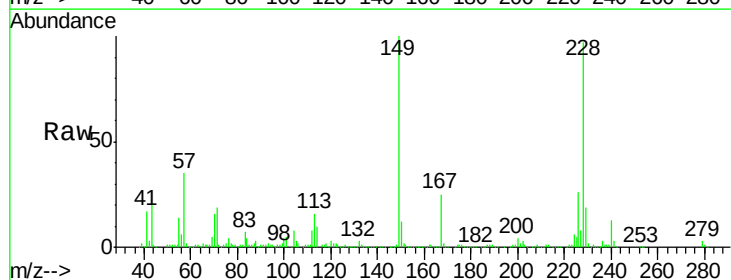
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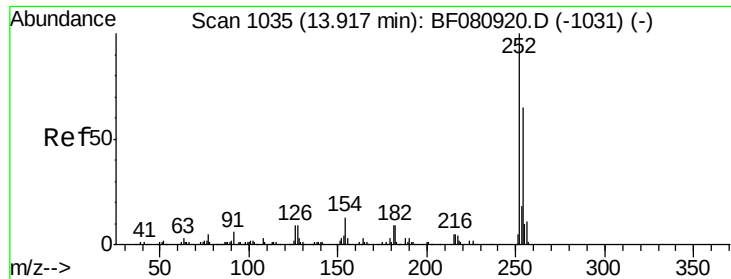
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#80
Benzo(a)anthracene
Concen: 34.21 ng
RT: 13.95 min Scan# 1038
Delta R.T. 0.00 min
Lab File: BF080947.D
Acq: 8 Aug 2015 3:40

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	270582		
226	27.1	22.2	33.2	
229	19.6	15.8	23.6	





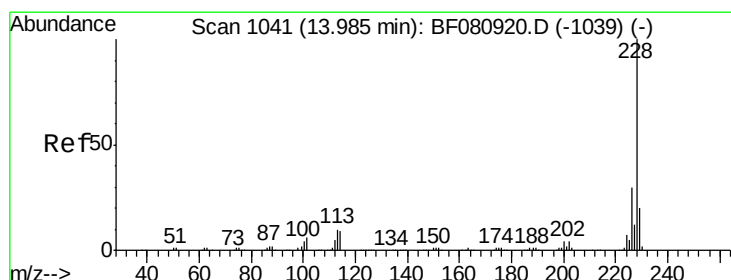
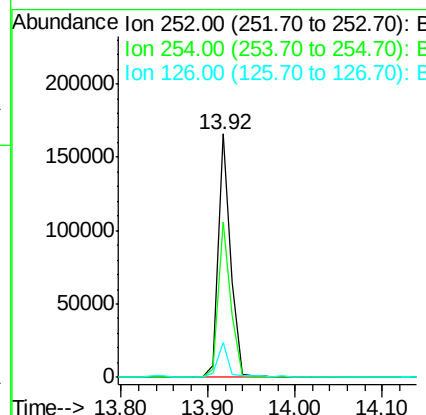
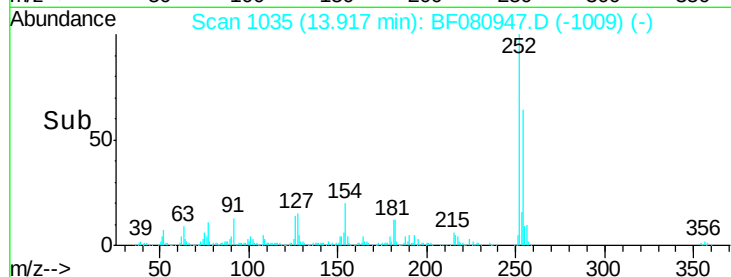
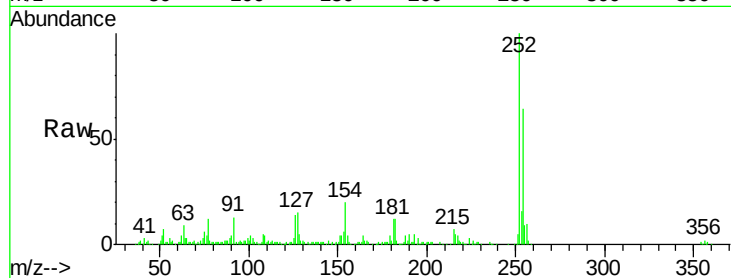
#81
 3,3'-Dichlorobenzidine
 Concen: 58.73 ng
 RT: 13.92 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: BF080947.D
 Acq: 8 Aug 2015 3:40

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-5MS

Tot Ion	Ratio	Resp	Lower	Upper
252	100	168965		
254	63.9	51.7	77.5	
126	14.3	7.1	10.7	

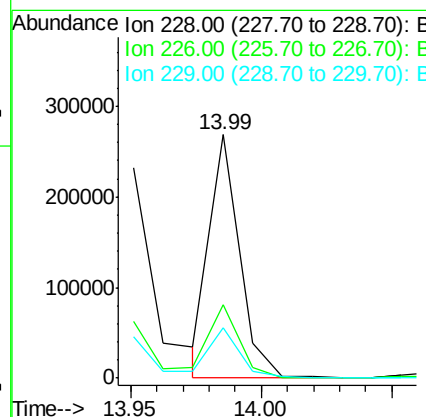
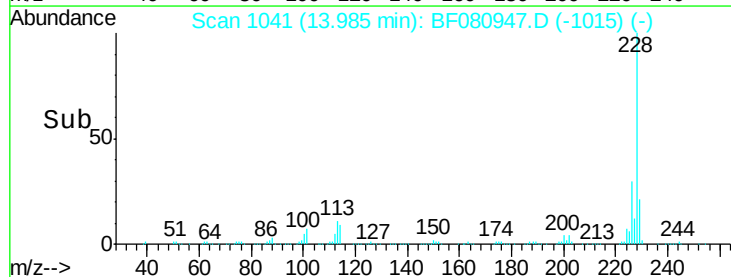
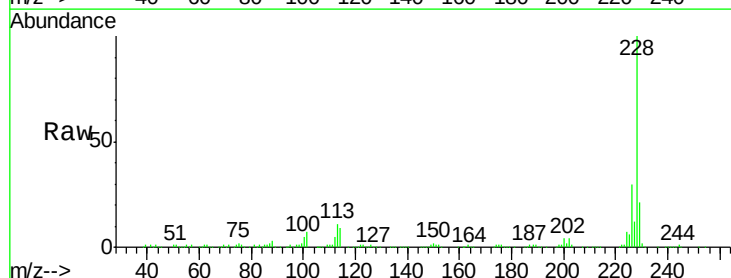
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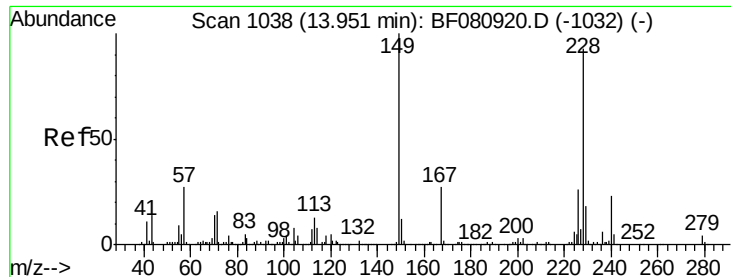
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#82
 Chrysene
 Concen: 28.25 ng
 RT: 13.99 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: BF080947.D
 Acq: 8 Aug 2015 3:40

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	213936		
226	30.3	23.9	35.9	
229	20.7	15.8	23.6	





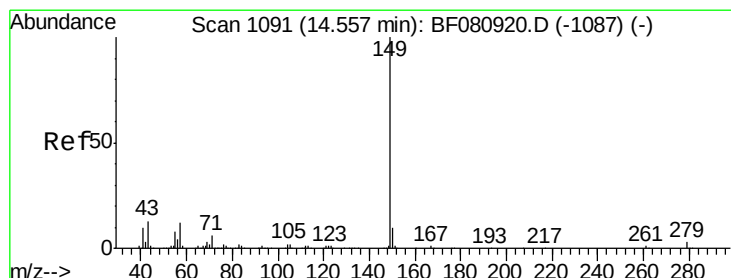
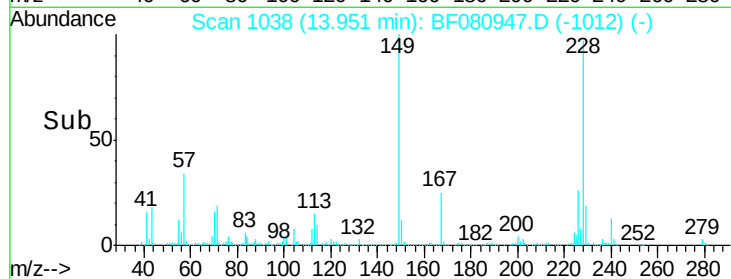
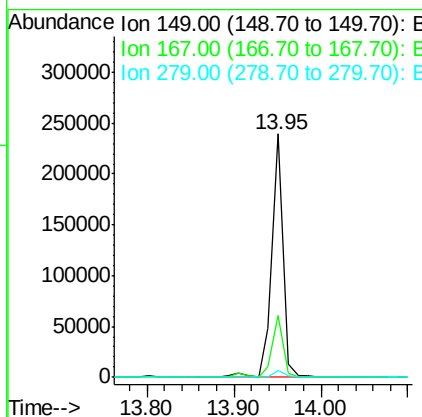
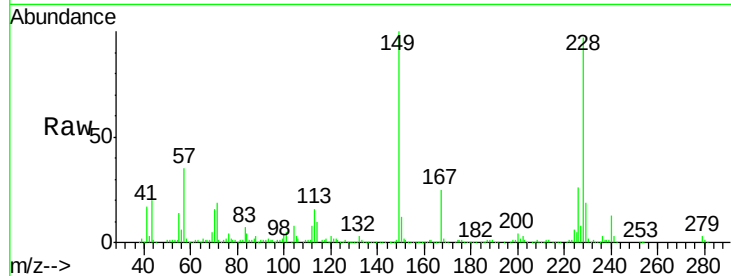
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 34.08 ng
 RT: 13.95 min Scan# 1038
 Delta R.T. 0.00 min
 Lab File: BF080947.D
 Acq: 8 Aug 2015 3:40

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-5MS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	211461		
167	25.2	21.4	32.0	
279	2.7	2.9	4.3#	

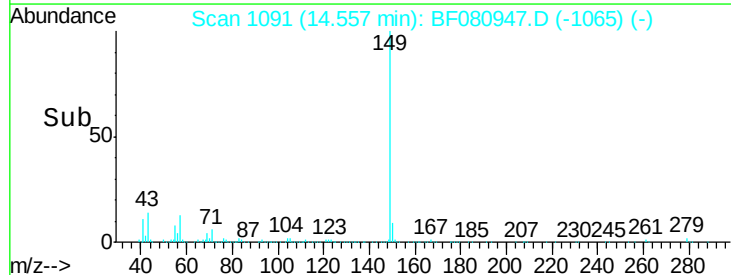
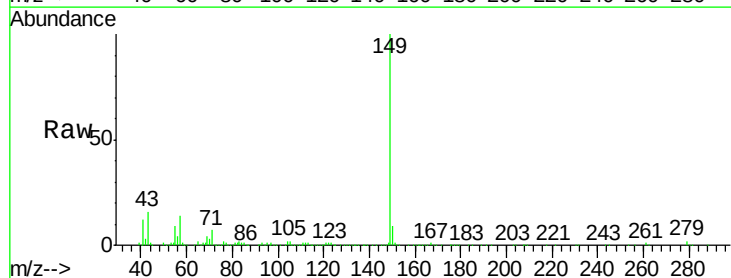
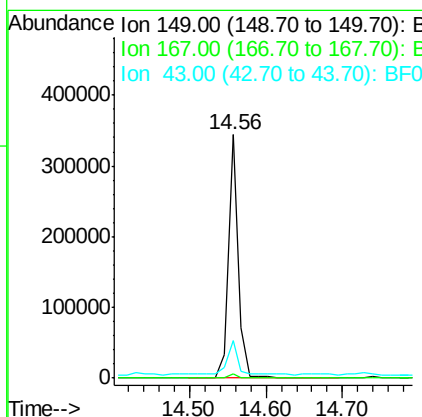
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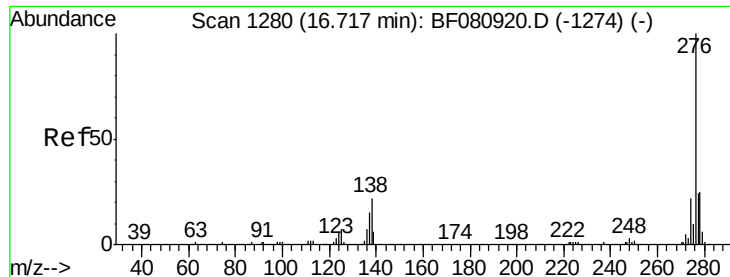
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#84
 Di-n-octyl phthalate
 Concen: 29.57 ng
 RT: 14.56 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: BF080947.D
 Acq: 8 Aug 2015 3:40

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	311022		
167	1.6	1.1	1.7	
43	15.2	11.0	16.4	





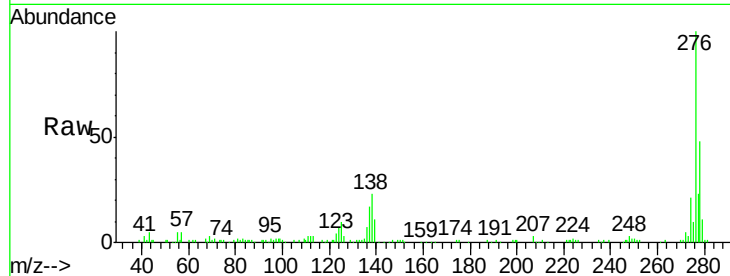
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 27.77 ng
 RT: 16.73 min Scan# 1281
 Delta R.T. 0.01 min
 Lab File: BF080947.D
 Acq: 8 Aug 2015 3:40

Instrument :
 BNA_F
 ClientSampled :
 SOIL-5MS

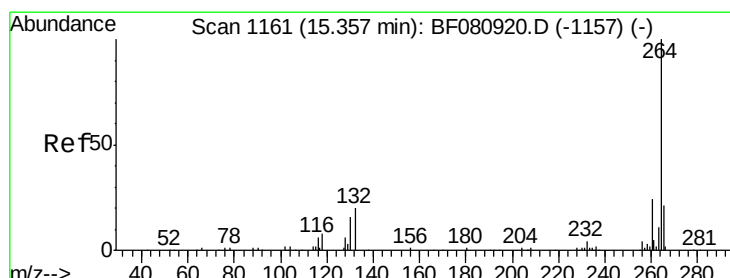
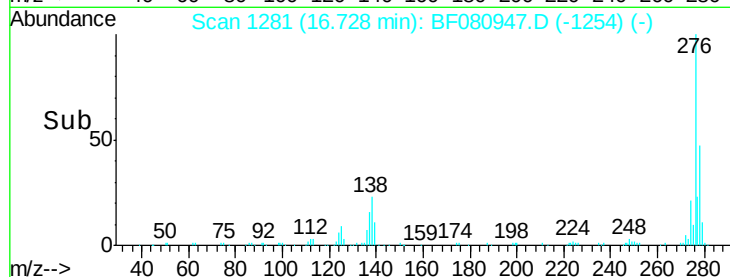
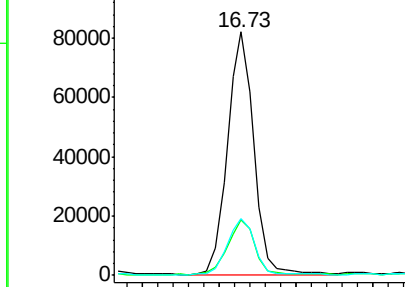
Tot Ion	Ratio	Resp	Lower	Upper
276	100	200119		
138	24.4	19.9	29.9	
277	25.0	19.7	29.5	

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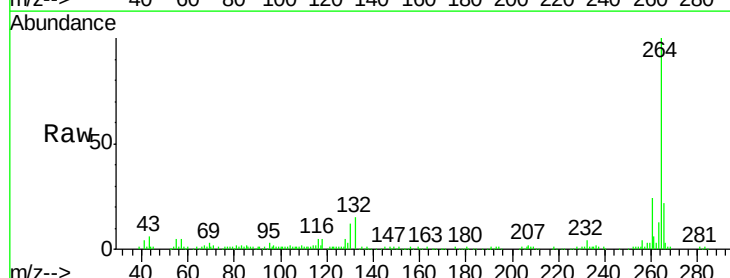


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

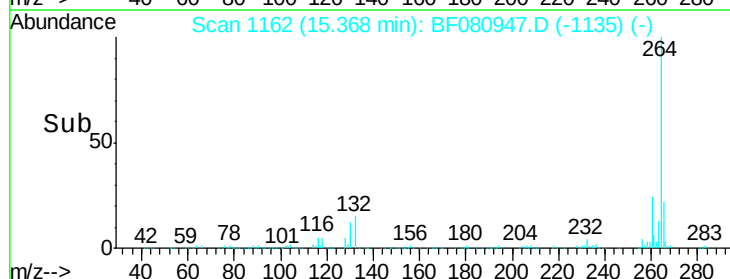
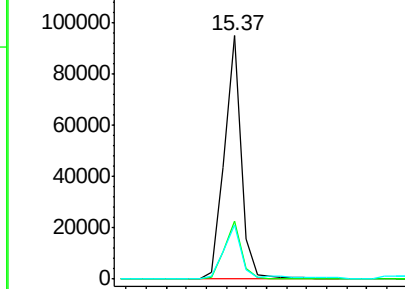


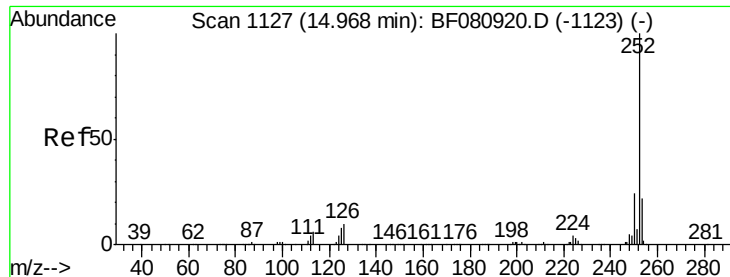
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.37 min Scan# 1162
 Delta R.T. 0.01 min
 Lab File: BF080947.D
 Acq: 8 Aug 2015 3:40

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	110905		
260	23.8	19.4	29.0	
265	22.4	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: 32.25 ng m

RT: 14.97 min Scan# 1127

Delta R.T. 0.00 min

Lab File: BF080947.D

Acq: 8 Aug 2015 3:40

Instrument :

BNA_F

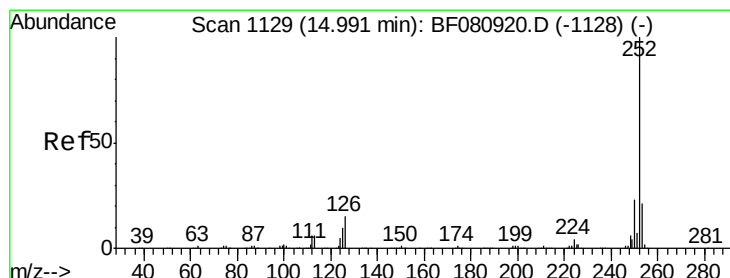
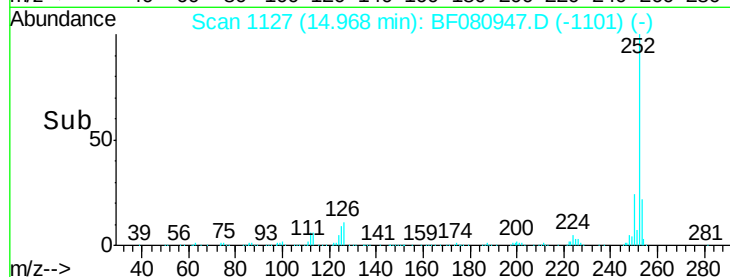
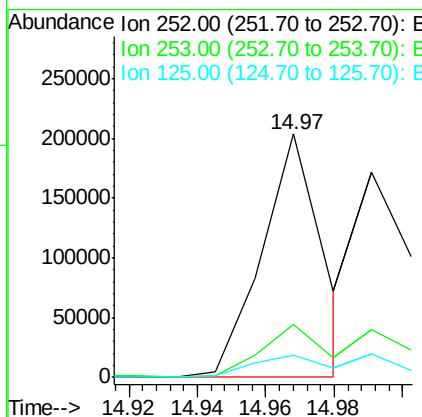
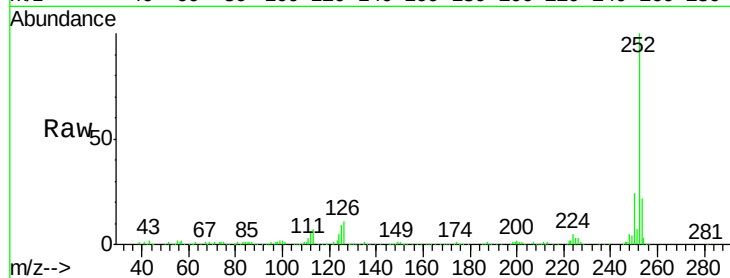
ClientSampled :

SOIL-5MS

Tot Ion:	252	Resp:	248750
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.6	26.4
125	9.2	6.1	9.1#

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#88

Benzo(k)fluoranthene

Concen: 28.82 ng m

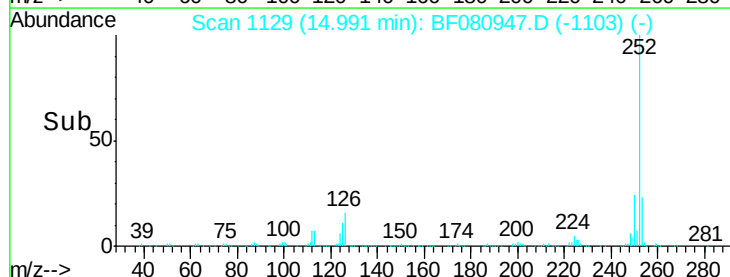
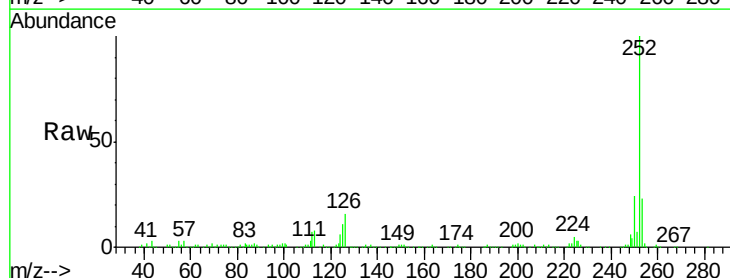
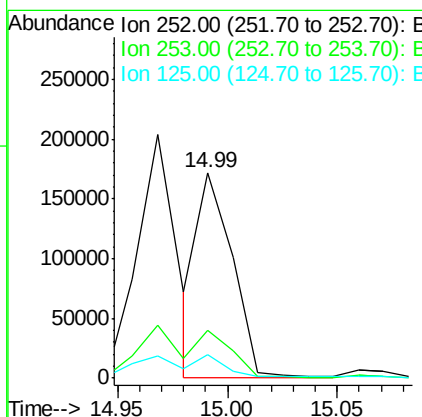
RT: 14.99 min Scan# 1129

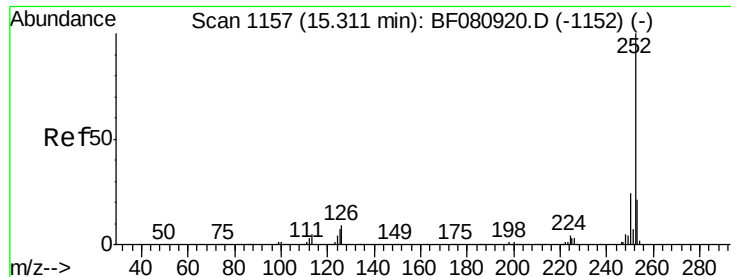
Delta R.T. 0.00 min

Lab File: BF080947.D

Acq: 8 Aug 2015 3:40

Tgt Ion:	252	Resp:	194445
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.4	26.2
125	11.3	9.0	13.6





#89

Benzo(a)pyrene

Concen: 33.40 ng

RT: 15.31 min Scan# 1157

Delta R.T. 0.00 min

Lab File: BF080947.D

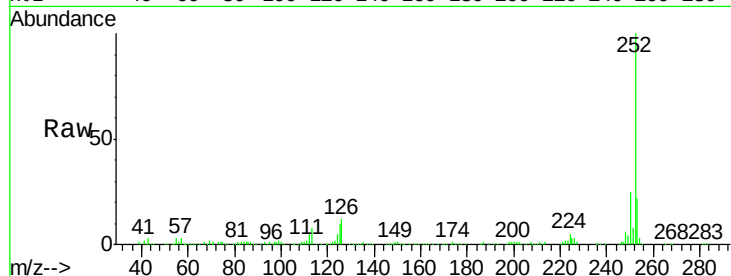
Acq: 8 Aug 2015 3:40

Instrument :

BNA_F

ClientSampleId :

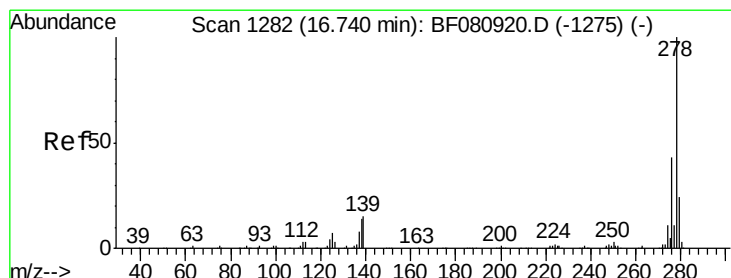
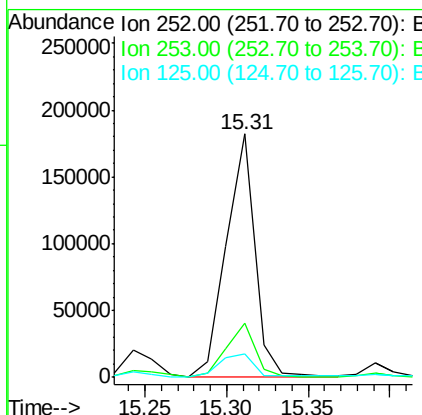
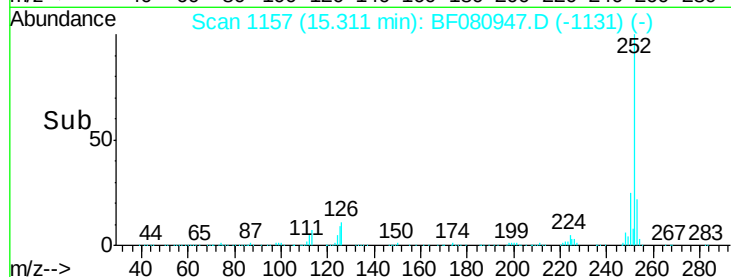
SOIL-5MS



Tot Ion	Ratio	Resp	Lower	Upper
252	100			
253	22.1	16.9	25.3	
125	9.6	5.8	8.8#	

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#90

Dibenzo(a,h)anthracene

Concen: 28.41 ng

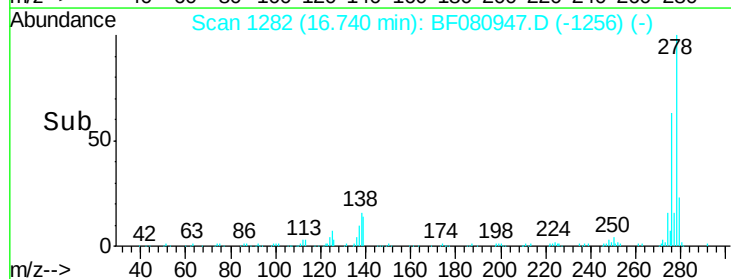
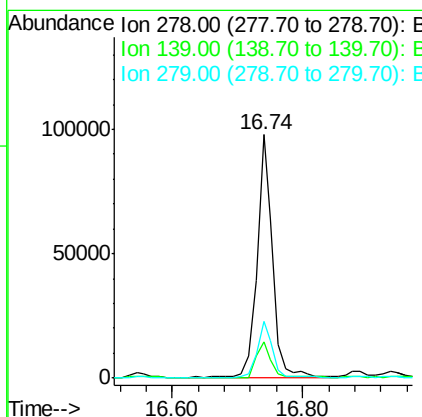
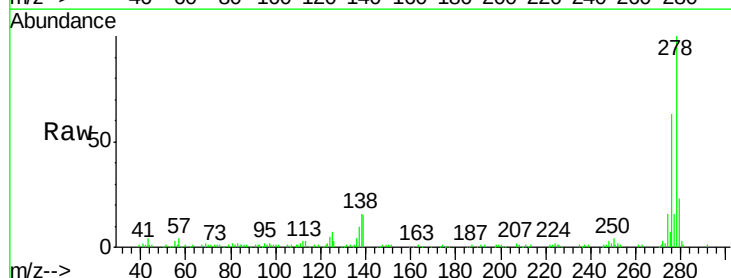
RT: 16.74 min Scan# 1282

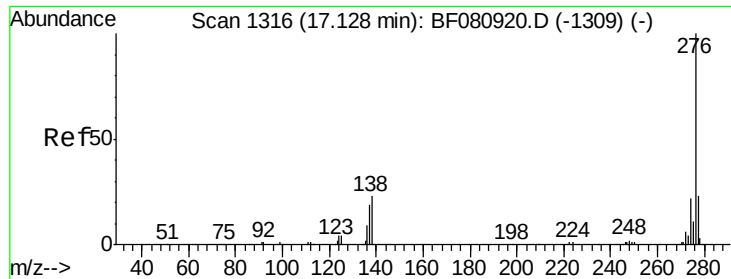
Delta R.T. 0.00 min

Lab File: BF080947.D

Acq: 8 Aug 2015 3:40

Tgt Ion	Ratio	Resp	Lower	Upper
278	100			
139	14.8	11.9	17.9	
279	23.3	19.0	28.6	





#91
 Benzo(a,h,i)perylene
 Concen: 27.61 ng
 RT: 17.14 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: BF080947.D
 Acq: 8 Aug 2015 3:40

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-5MS

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.1	18.6	28.0
138	17.8	18.4	27.6

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