

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081115\
 Data File : BF080971.D
 Acq On : 11 Aug 2015 20:08
 Operator : UM/IZ
 Sample : G3212-02MS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MS

Manual Integrations
 APPROVED

apatel
 8/12/2015 8:34:36 AM

Quant Time: Aug 12 05:41:44 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	6.78	152	63167	20.00	ng	-0.02
21) Naphthalene-d8	8.08	136	295127	20.00	ng	-0.02
38) Acenaphthene-d10	9.82	164	136999	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	261157	20.00	ng	-0.02
75) Chrysene-d12	13.93	240	224898	20.00	ng	-0.03
86) Perylene-d12	15.32	264	175237	20.00	ng	-0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	413281	106.90	ng	0.02
7) Phenol-d6	6.43	99	481825	90.95	ng	-0.01
23) Nitrobenzene-d5	7.36	82	379368	60.80	ng	-0.02
41) 2,4,6-Tribromophenol	10.61	330	154648	102.75	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	632410	64.99	ng	-0.02
78) Terphenyl-d14	12.89	244	729145	66.97	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.52	88	54851	29.91	ng	# 80
3) Pyridine	3.20	79	92225m	17.73	ng	
4) n-Nitrosodimethylamine	3.12	42	83313	31.38	ng	87
6) Aniline	6.45	93	50857	6.53	ng	# 80
8) 2-Chlorophenol	6.58	128	123753	27.66	ng	96
9) Benzaldehyde	6.33	77	85490	23.94	ng	87
10) Phenol	6.44	94	165172	26.28	ng	91
11) bis(2-Chloroethyl)ether	6.53	93	136947m	29.18	ng	
12) 1,3-Dichlorobenzene	6.73	146	123286m	25.97	ng	
13) 1,4-Dichlorobenzene	6.81	146	126907	25.72	ng	95
14) 1,2-Dichlorobenzene	6.96	146	114472	25.67	ng	96
15) Benzyl Alcohol	6.93	79	115549	26.65	ng	90
16) 2,2'-oxybis(1-Chloropropan	7.07	45	266387	28.21	ng	97
17) 2-Methylphenol	7.05	107	107388	28.12	ng	# 89
18) Hexachloroethane	7.30	117	48949	25.90	ng	98
19) n-Nitroso-di-n-propylamine	7.21	70	103103	26.63	ng	92
20) 3+4-Methylphenols	7.21	107	134204	27.98	ng	90
22) Acetophenone	7.21	105	240119	33.21	ng	# 88
24) Nitrobenzene	7.37	77	143901	22.40	ng	98
25) Isophorone	7.62	82	338494	28.21	ng	99
26) 2-Nitrophenol	7.69	139	76725	28.38	ng	95
27) 2,4-Dimethylphenol	7.73	122	151584	29.95	ng	95
28) bis(2-Chloroethoxy)methane	7.82	93	184653	25.63	ng	98
29) 2,4-Dichlorophenol	7.93	162	112184	26.98	ng	96
30) 1,2,4-Trichlorobenzene	8.02	180	122921	27.04	ng	99
31) Naphthalene	8.09	128	401762	24.70	ng	99
32) Benzoic acid	7.82	122	40167	13.26	ng	89
33) 4-Chloroaniline	8.14	127	34591	5.23	ng	96
34) Hexachlorobutadiene	8.21	225	68893	25.47	ng	98
35) Caprolactam	8.51	113	34517m	23.07	ng	
36) 4-Chloro-3-methylphenol	8.64	107	125750	24.78	ng	98
37) 2-Methylnaphthalene	8.78	142	247328	23.88	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.96	216	145793	34.52	ng	98
40) Hexachlorocyclopentadiene	8.94	237	151208	65.61	ng	100

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Manual Integrations
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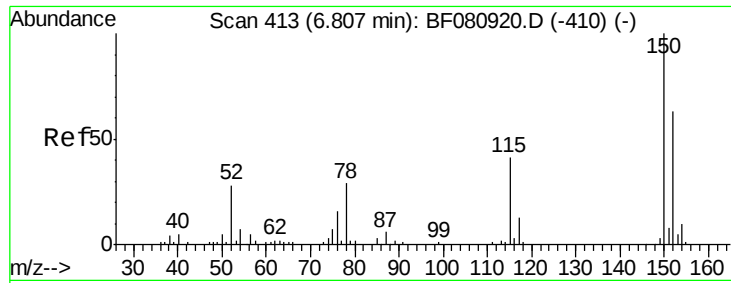
apatel
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) 2,4,6-Trichlorophenol	9.07	196	77983	25.19	ng	99
43) 2,4,5-Trichlorophenol	9.10	196	88232	28.29	ng #	84
45) 1,1'-Biphenyl	9.25	154	429611	36.54	ng	99
46) 2-Chloronaphthalene	9.28	162	227414	24.81	ng	99
47) 2-Nitroaniline	9.37	65	91730	24.96	ng	92
48) Acenaphthylene	9.69	152	425374	26.69	ng	99
49) Dimethylphthalate	9.55	163	286952	25.21	ng	100
50) 2,6-Dinitrotoluene	9.61	165	59813	25.44	ng	95
51) Acenaphthene	9.86	154	283865	29.08	ng	99
52) 3-Nitroaniline	9.78	138	23109	7.97	ng	81
53) 2,4-Dinitrophenol	9.88	184	47846	37.07	ng #	78
54) Dibenzofuran	10.03	168	368057	27.89	ng	99
55) 4-Nitrophenol	9.95	139	119056	54.87	ng #	75
56) 2,4-Dinitrotoluene	10.02	165	86781	27.59	ng #	65
57) Fluorene	10.37	166	322236	31.56	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.14	232	65130m	26.38	ng	
59) Diethylphthalate	10.26	149	301895	25.49	ng	96
60) 4-Chlorophenyl-phenylether	10.36	204	127721	25.67	ng	99
61) 4-Nitroaniline	10.40	138	76008	25.49	ng	93
62) Azobenzene	10.52	77	373177	28.17	ng	99
64) 4,6-Dinitro-2-methylphenol	10.42	198	40172	24.82	ng	92
65) n-Nitrosodiphenylamine	10.49	169	281248	31.00	ng	99
66) 4-Bromophenyl-phenylether	10.85	248	84210	30.44	ng	94
67) Hexachlorobenzene	10.91	284	80736	26.25	ng #	60
68) Atrazine	11.01	200	85034	31.97	ng	98
69) Pentachlorophenol	11.10	266	102975	57.59	ng	96
70) Phenanthrene	11.32	178	373643	25.27	ng	98
71) Anthracene	11.38	178	447176	30.54	ng	99
72) Carbazole	11.53	167	375382	26.33	ng #	97
73) Di-n-butylphthalate	11.87	149	528909	29.67	ng	99
74) Fluoranthene	12.51	202	473027	29.59	ng	96
76) Benzidine	12.62	184	121575	10.81	ng	97
77) Pyrene	12.73	202	449340	27.05	ng	99
79) Butylbenzylphthalate	13.36	149	216464	27.03	ng #	73
80) Benzo(a)anthracene	13.92	228	390889	27.52	ng	99
81) 3,3'-Dichlorobenzidine	13.88	252	58014	11.23	ng #	99
82) Chrysene	13.95	228	333714	24.53	ng	99
83) Bis(2-ethylhexyl)phthalate	13.92	149	284386	25.52	ng #	94
84) Di-n-octyl phthalate	14.52	149	479469	25.38	ng	99
85) Indeno(1,2,3-cd)pyrene	16.66	276	296101	22.87	ng	98
87) Benzo(b)fluoranthene	14.93	252	399518m	32.79	ng	
88) Benzo(k)fluoranthene	14.96	252	292323m	27.42	ng	
89) Benzo(a)pyrene	15.27	252	319148	30.47	ng #	97
90) Dibenzo(a,h)anthracene	16.68	278	253713	27.39	ng	97
91) Benzo(g,h,i)perylene	17.07	276	228453	25.36	ng #	93

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 411

Delta R.T. -0.02 min

Lab File: BF080971.D

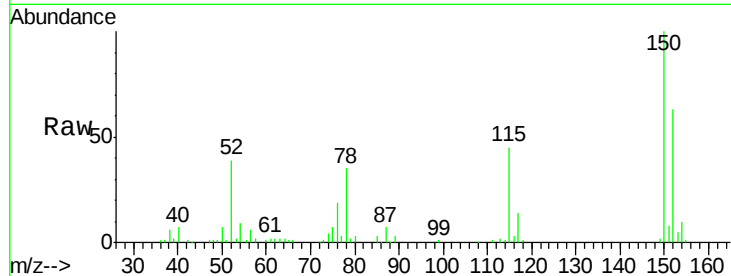
Acq: 11 Aug 2015 20:08

Instrument :

BNA_F

ClientSampleId :

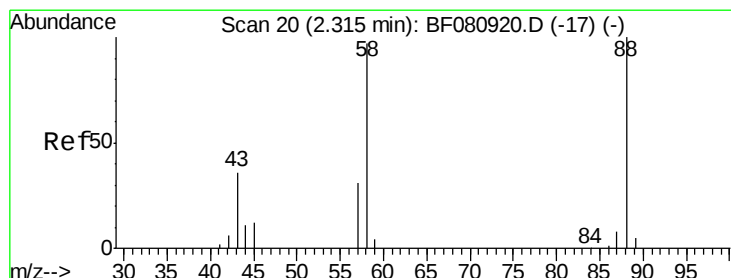
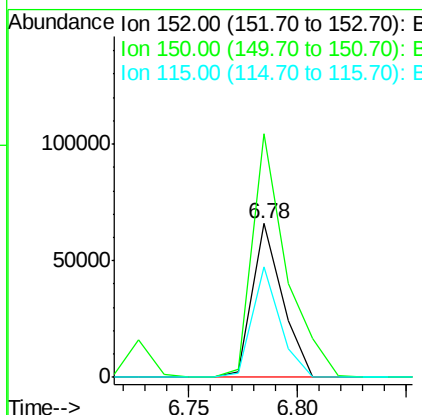
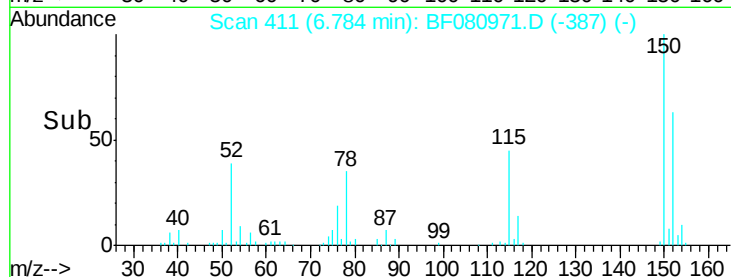
SOIL-2MS



Tgt Ion:	152	Resp:	63167
Ion Ratio	Lower	Upper	
152	100		
150	158.6	127.4	191.2
115	71.6	52.6	78.8

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#2

1,4-Dioxane

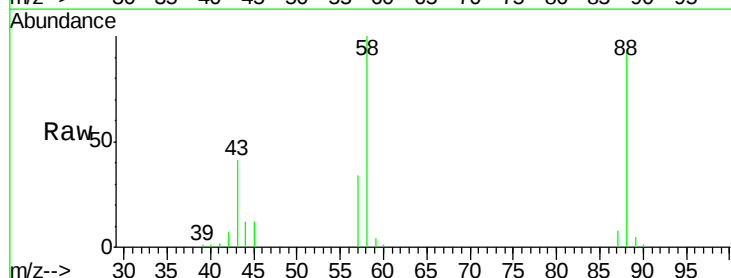
Concen: 29.91 ng

RT: 2.52 min Scan# 38

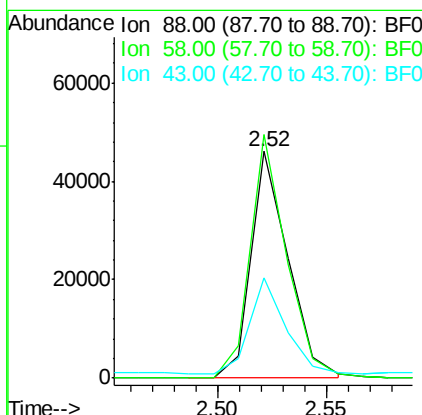
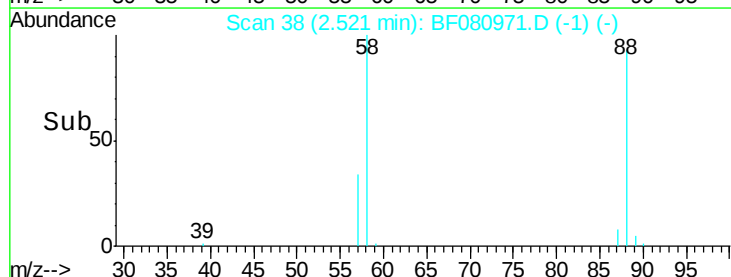
Delta R.T. 0.21 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08



Tgt Ion:	88	Resp:	54851
Ion Ratio	Lower	Upper	
88	100		
58	105.1	79.3	118.9
43	0.0	28.3	42.5#





#3

Pyridine

Concen: 17.73 ng m

RT: 3.20 min Scan# 97

Delta R.T. 0.17 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

Instrument :

BNA_F

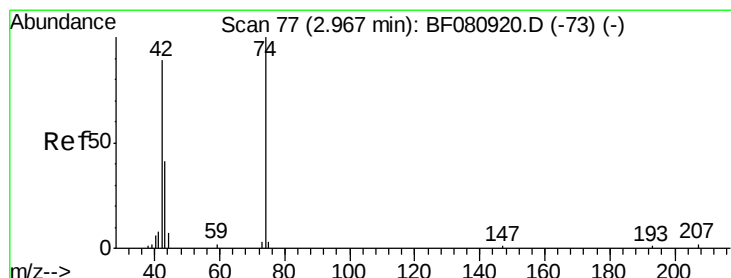
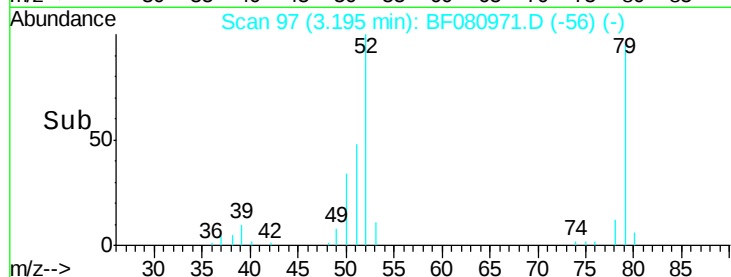
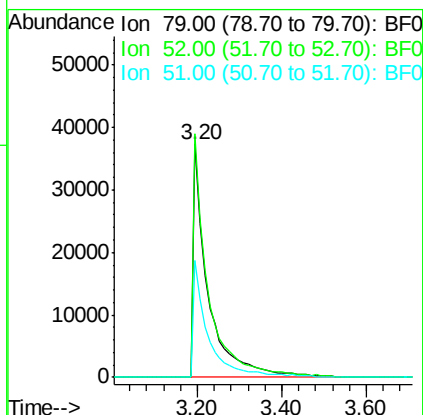
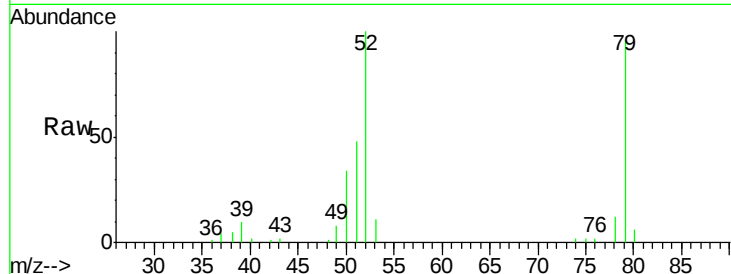
ClientSampleId :

SOIL-2MS

Tgt Ion:	79	Resp:	92225
Ion	Ratio	Lower	Upper
79	100		
52	104.4	77.2	115.8
51	50.1	35.0	52.4

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 31.38 ng

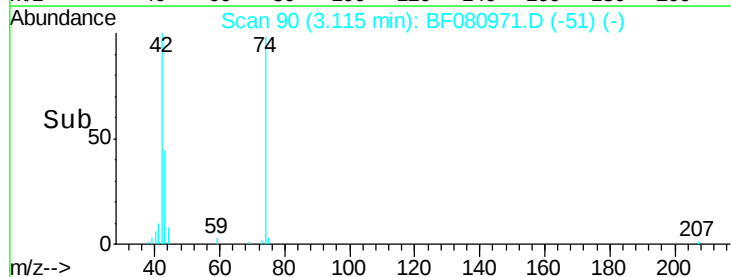
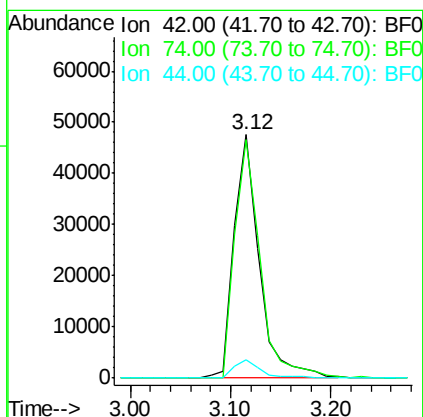
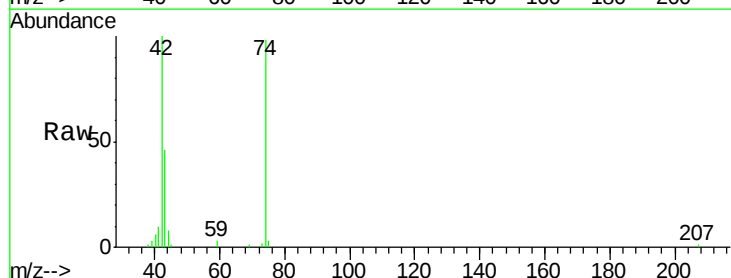
RT: 3.12 min Scan# 90

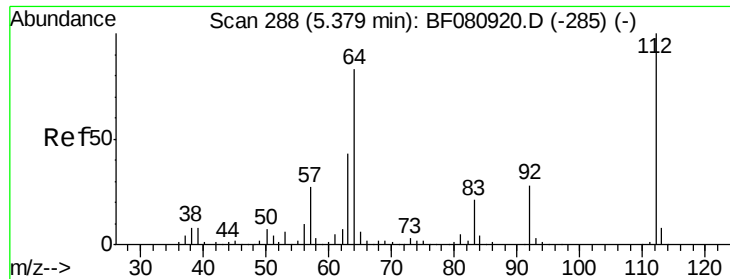
Delta R.T. 0.15 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

Tgt Ion:	42	Resp:	83313
Ion	Ratio	Lower	Upper
42	100		
74	98.0	89.8	134.8
44	7.7	6.5	9.7





#5

2-Fluorophenol

Concen: 106.90 ng

RT: 5.40 min Scan# 290

Delta R.T. 0.02 min

Lab File: BF080971.D

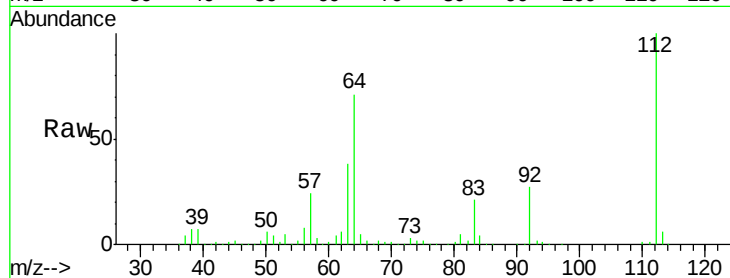
Acq: 11 Aug 2015 20:08

Instrument :

BNA_F

ClientSampleId :

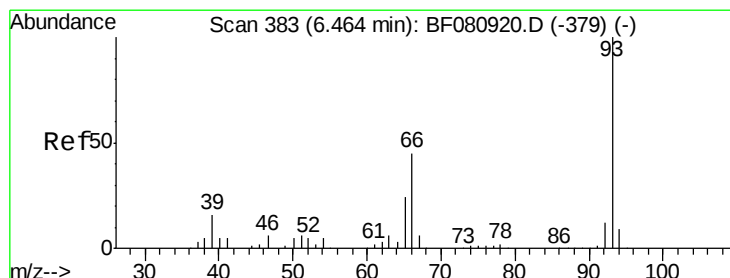
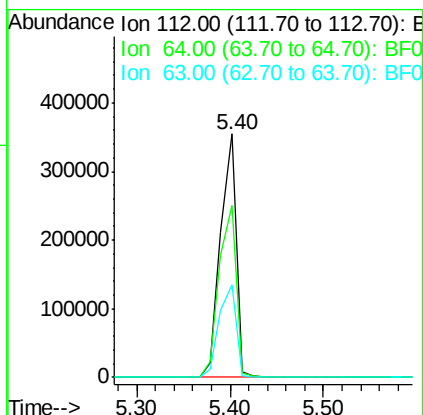
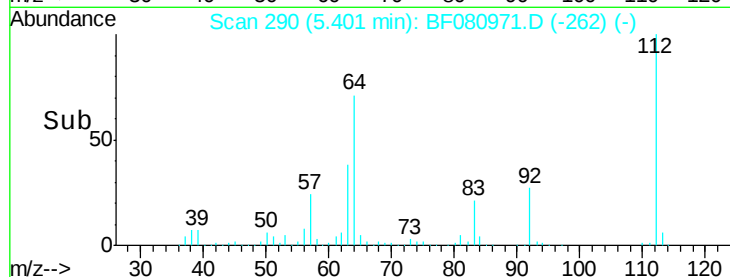
SOIL-2MS



Tgt Ion:	112	Resp:	413281
Ion Ratio	Lower	Upper	
112	100		
64	70.8	66.1	99.1
63	38.0	34.6	52.0

Manual Integrations
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#6

Aniline

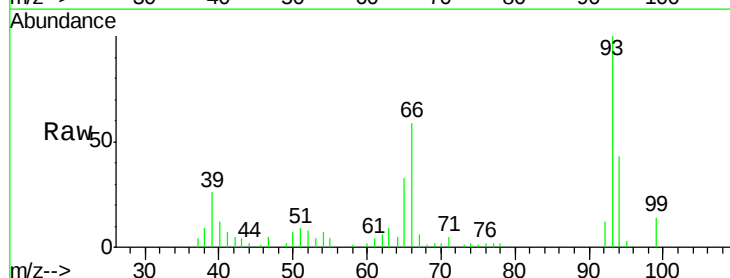
Concen: 6.53 ng

RT: 6.45 min Scan# 382

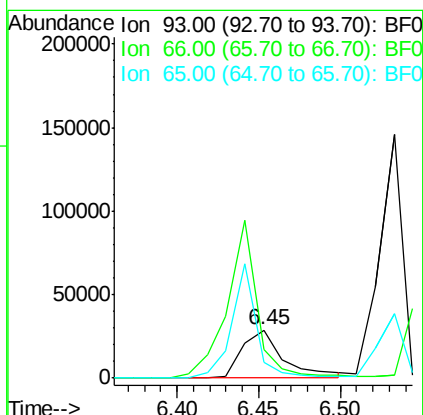
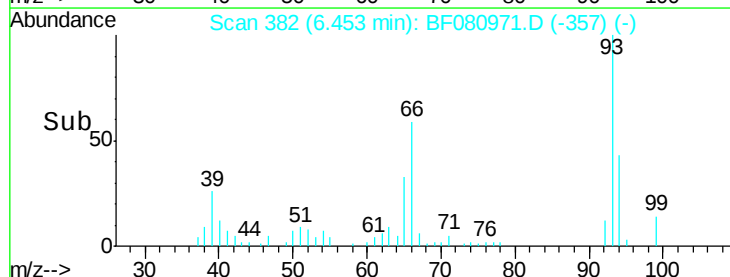
Delta R.T. -0.01 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08



Tgt Ion:	93	Resp:	50857
Ion Ratio	Lower	Upper	
93	100		
66	59.4	36.2	54.4#
65	32.8	19.0	28.4#





#7

Phenol-d6

Concen: 90.95 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

Instrument :

BNA_F

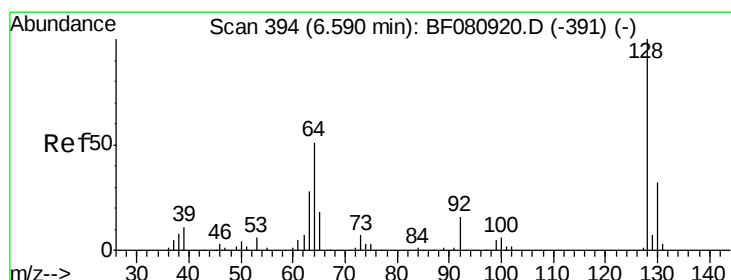
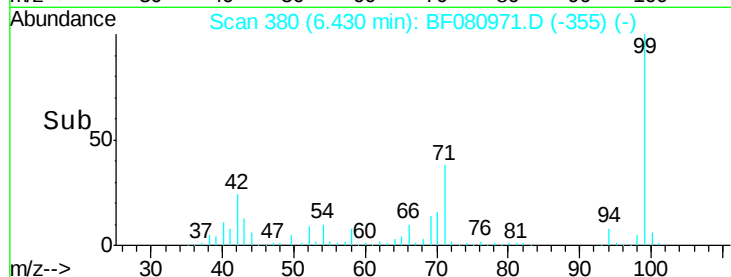
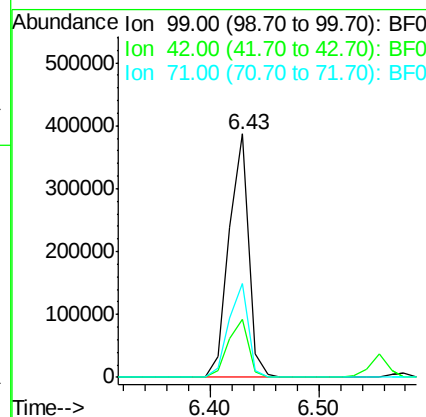
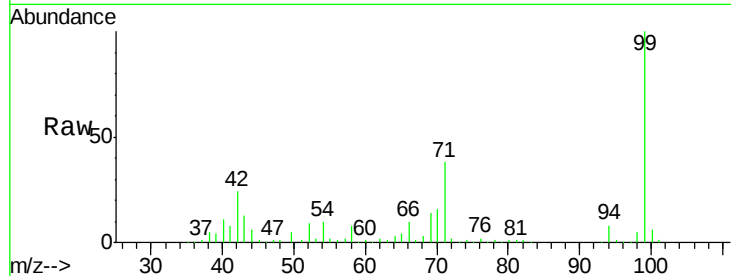
ClientSampleId :

SOIL-2MS

Tgt Ion:	99	Resp:	481825
Ion Ratio	Lower	Upper	
99	100		
42	24.1	14.4	21.6#
71	38.5	25.8	38.8

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#8

2-Chlorophenol

Concen: 27.66 ng

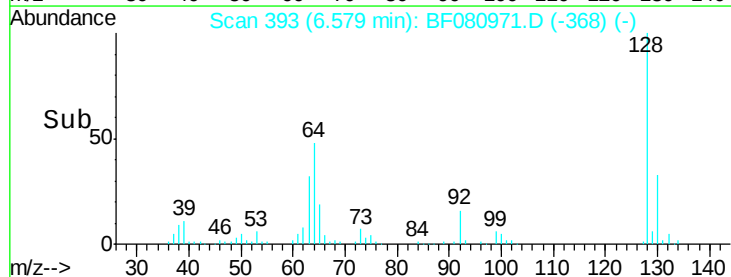
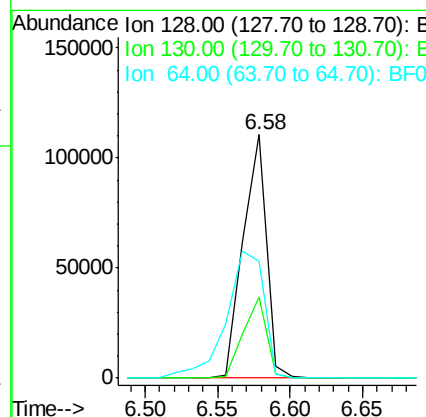
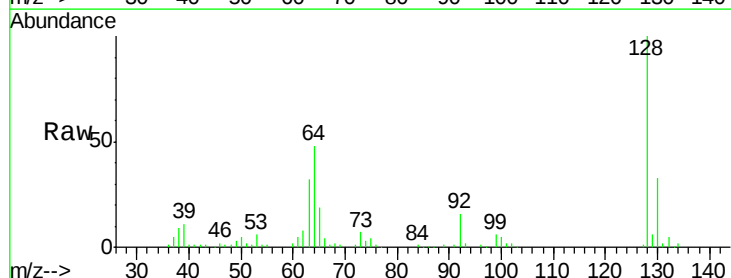
RT: 6.58 min Scan# 393

Delta R.T. -0.01 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

Tgt Ion:	128	Resp:	123753
Ion Ratio	Lower	Upper	
128	100		
130	33.1	12.4	52.4
64	48.1	32.1	72.1





#9

Benzaldehyde

Concen: 23.94 ng

RT: 6.33 min Scan# 371

Delta R.T. -0.02 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

Instrument :

BNA_F

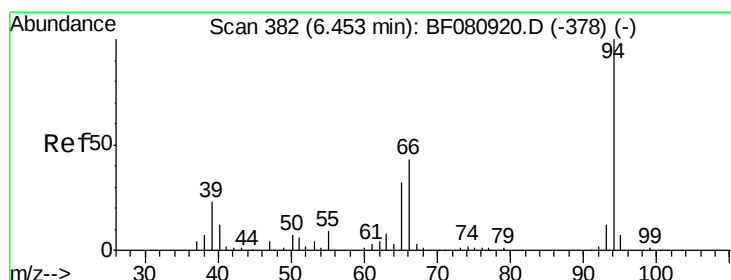
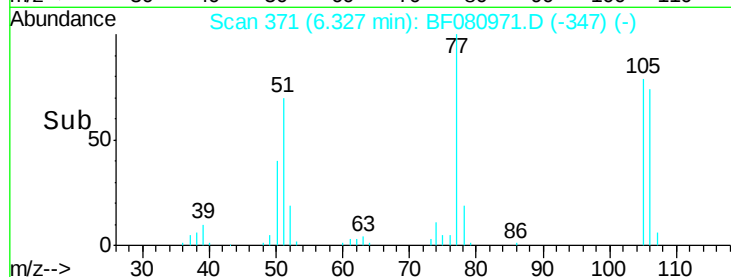
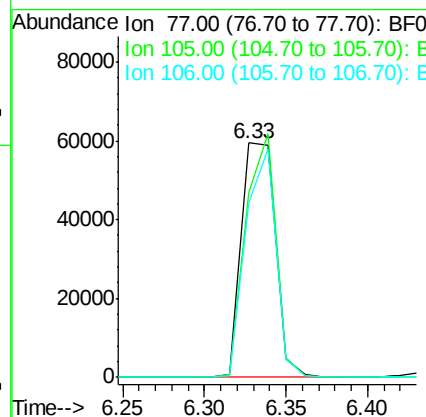
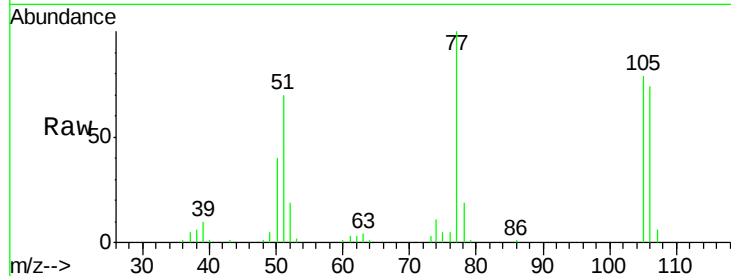
ClientSampleId :

SOIL-2MS

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Tgt Ion:	77	Resp:	85490
Ion	Ratio	Lower	Upper
77	100		
105	79.0	71.6	111.6
106	74.1	65.7	105.7



#10

Phenol

Concen: 26.28 ng

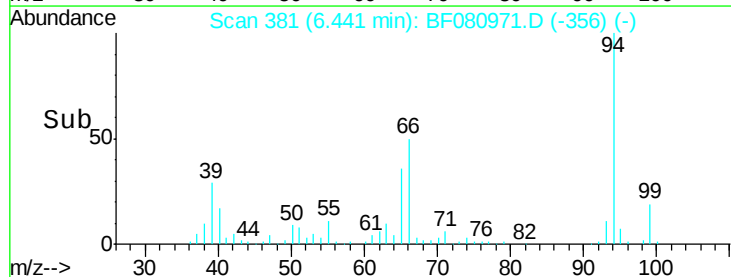
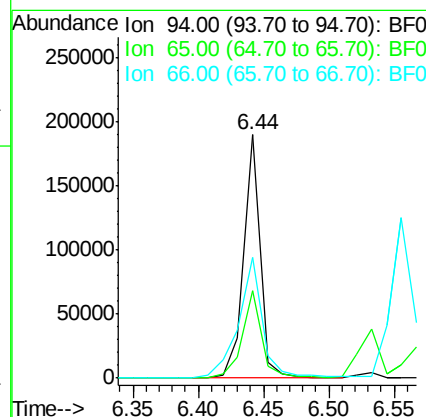
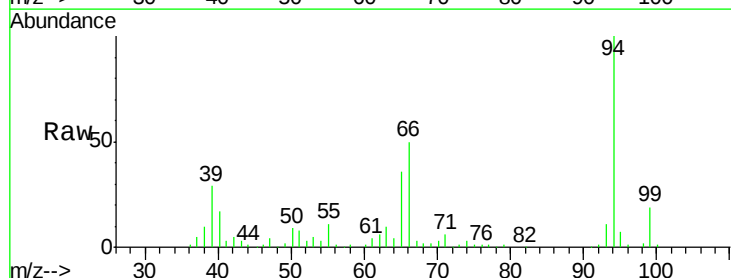
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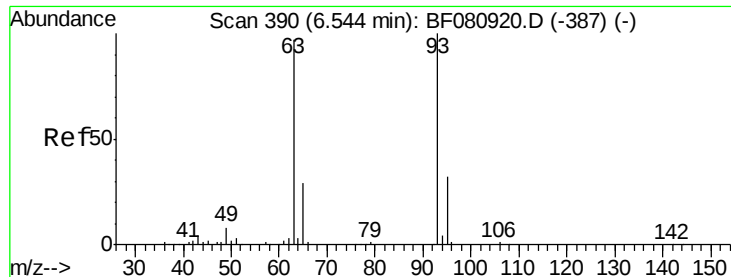
Delta R.T. -0.01 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

Tgt Ion:	94	Resp:	165172
Ion	Ratio	Lower	Upper
94	100		
65	36.0	11.8	51.8
66	49.9	22.9	62.9





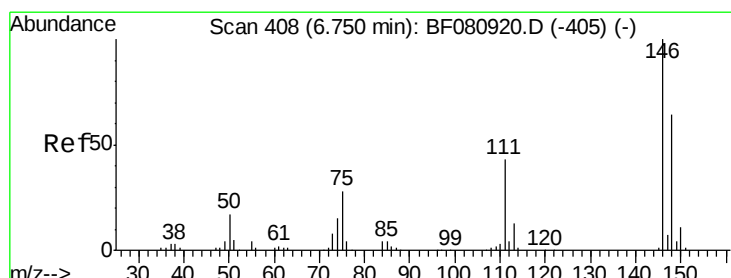
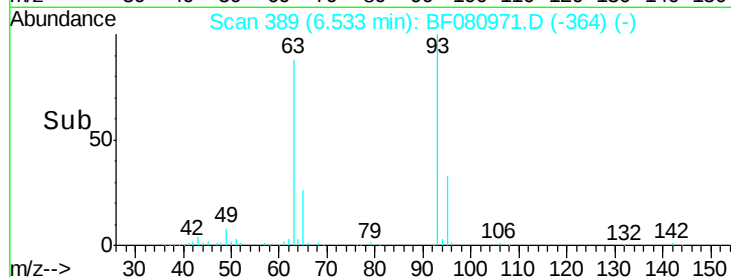
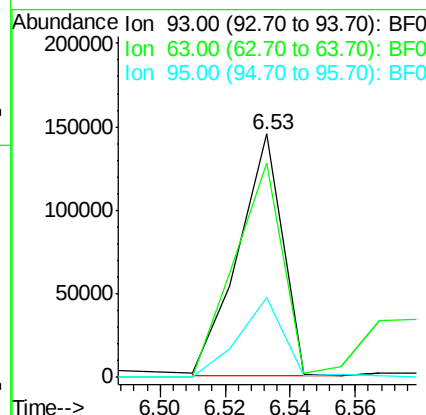
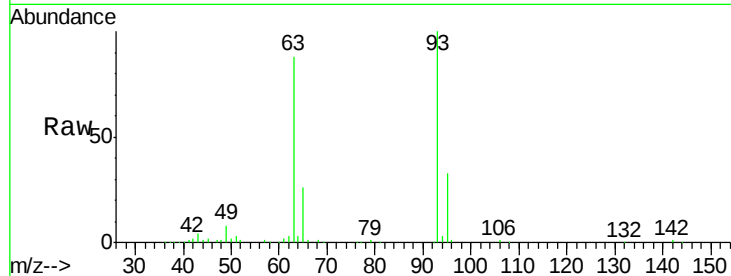
#11
bis(2-Chloroethyl)ether
Concen: 29.18 ng m
RT: 6.53 min Scan# 389
Delta R.T. -0.01 min
Lab File: BF080971.D
Acq: 11 Aug 2015 20:08

Instrument :
BNA_F
ClientSampleId :
SOIL-2MS

Tgt Ion	Ratio	Lower	Upper
93	100		
63	87.7	76.7	116.7
95	32.5	12.3	52.3

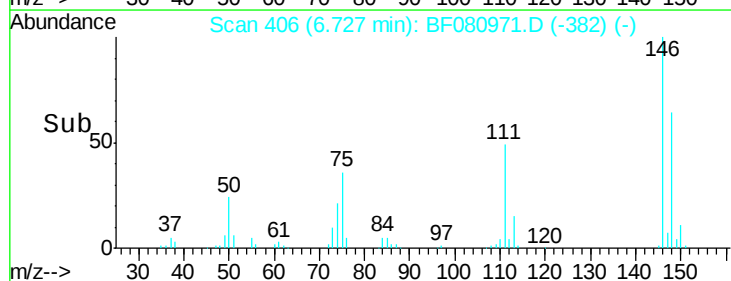
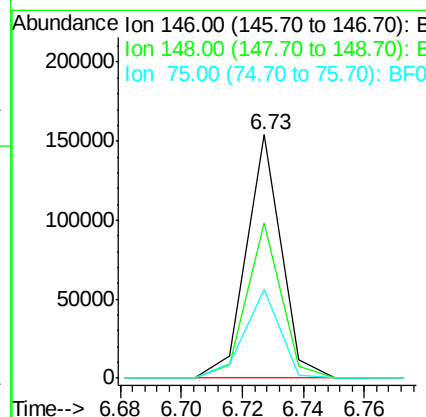
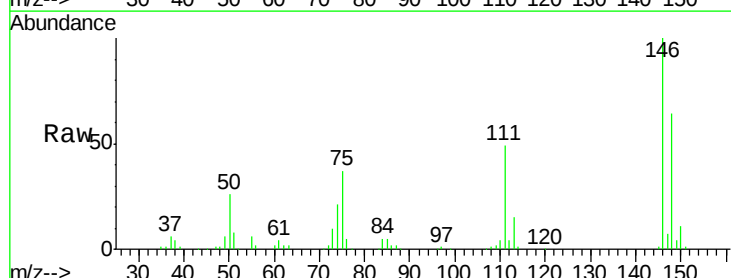
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#12
1,3-Dichlorobenzene
Concen: 25.97 ng m
RT: 6.73 min Scan# 406
Delta R.T. -0.02 min
Lab File: BF080971.D
Acq: 11 Aug 2015 20:08

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.4	77.0
75	36.6	22.2	33.4





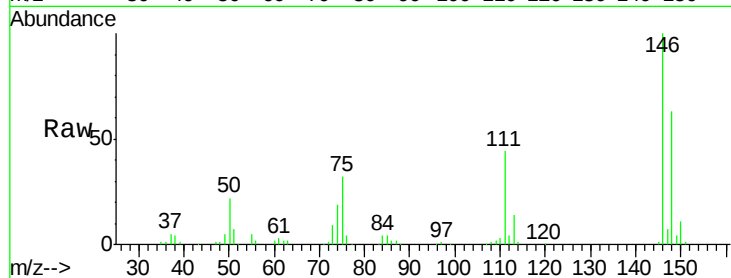
#13
 1,4-Dichlorobenzene
 Concen: 25.72 ng
 RT: 6.81 min Scan# 413
 Delta R.T. -0.02 min
 Lab File: BF080971.D
 Acq: 11 Aug 2015 20:08

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MS

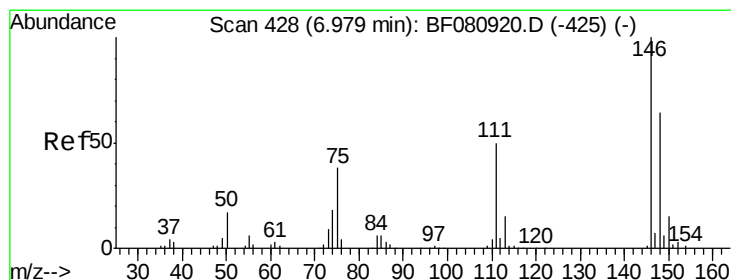
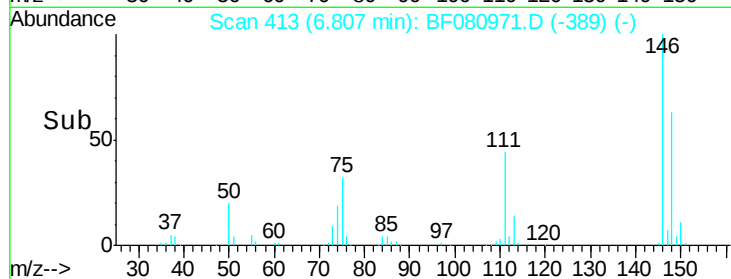
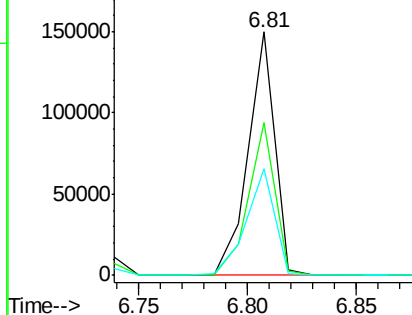
Tgt Ion	Ratio	Resp	Lower	Upper
146	100	126907		
148	62.9	52.2	78.4	
111	44.0	31.5	47.3	

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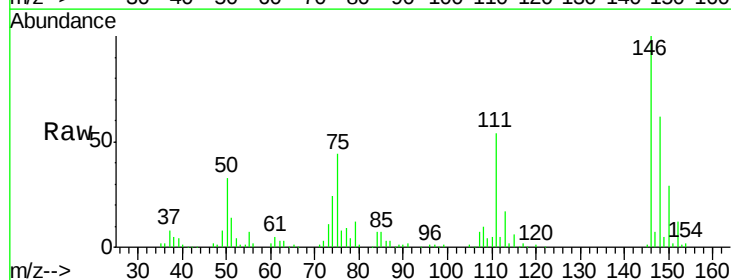


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

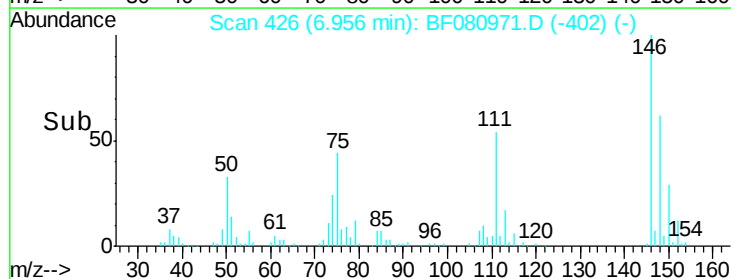
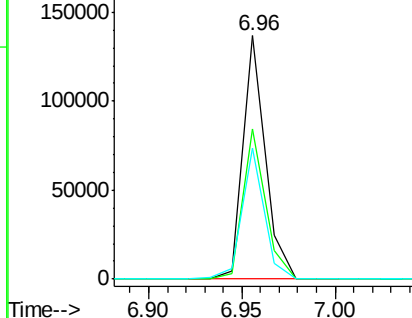


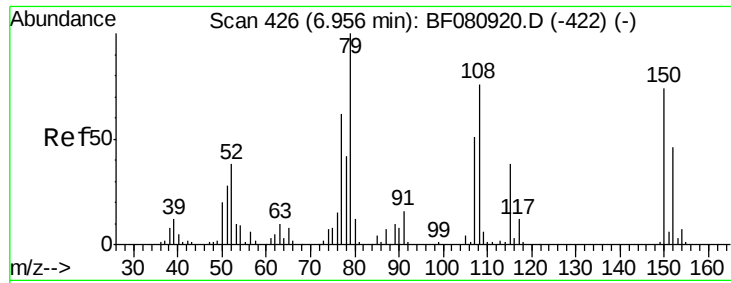
#14
 1,2-Dichlorobenzene
 Concen: 25.67 ng
 RT: 6.96 min Scan# 426
 Delta R.T. -0.02 min
 Lab File: BF080971.D
 Acq: 11 Aug 2015 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	114472		
148	61.6	51.1	76.7	
111	53.8	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





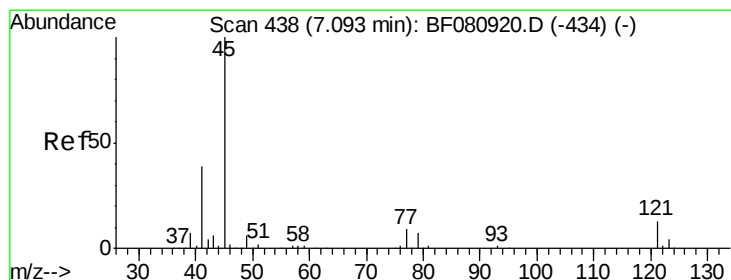
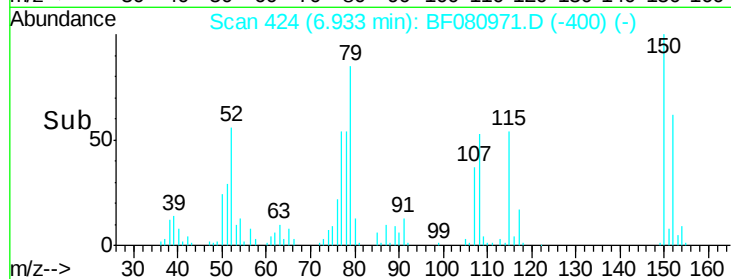
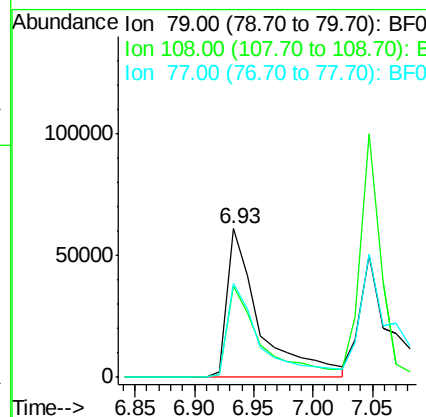
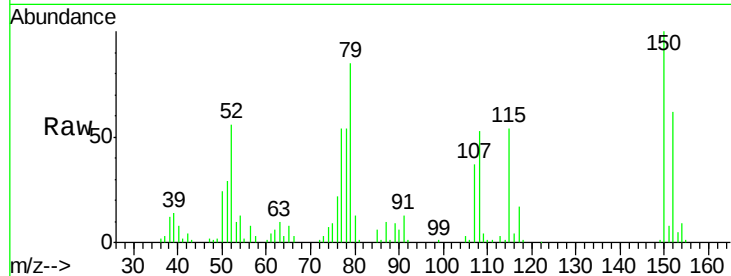
#15
Benzyl Alcohol
Concen: 26.65 ng
RT: 6.93 min Scan# 424
Delta R.T. -0.02 min
Lab File: BF080971.D
Acq: 11 Aug 2015 20:08

Instrument :
BNA_F
ClientSampleId :
SOIL-2MS

Tgt Ion	Ratio	Resp Lower	Resp Upper
79	100		
108	61.8	60.9	91.3
77	63.0	49.4	74.0

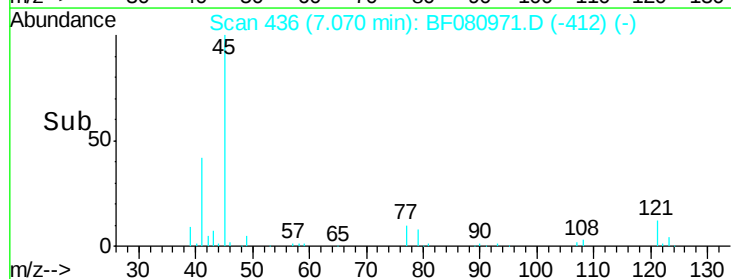
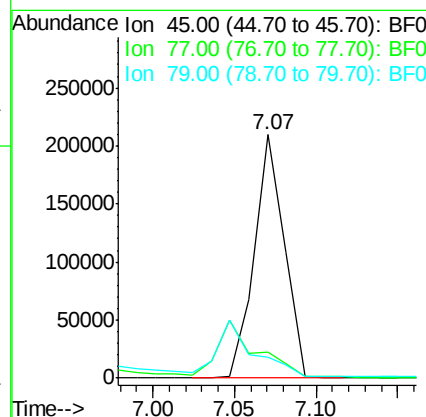
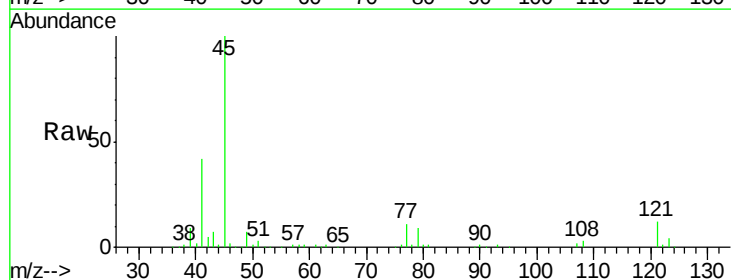
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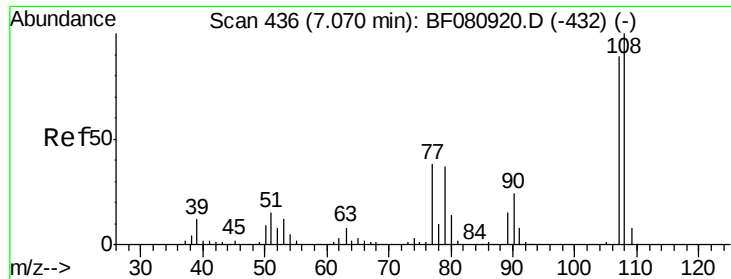
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 28.21 ng
RT: 7.07 min Scan# 436
Delta R.T. -0.02 min
Lab File: BF080971.D
Acq: 11 Aug 2015 20:08

Tgt Ion	Ratio	Resp Lower	Resp Upper
45	100		
77	10.5	0.0	29.6
79	8.6	0.0	27.7





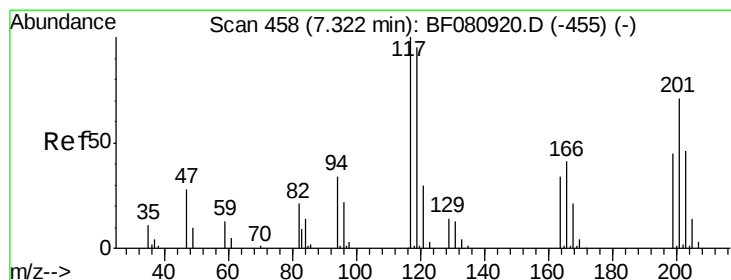
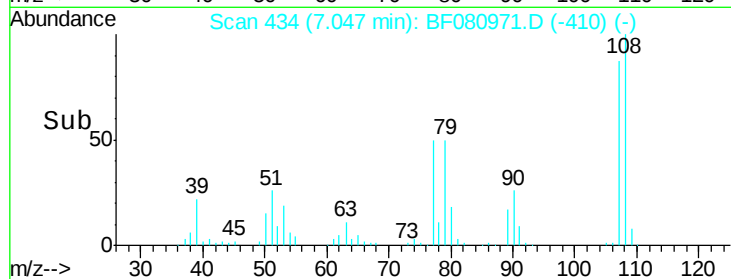
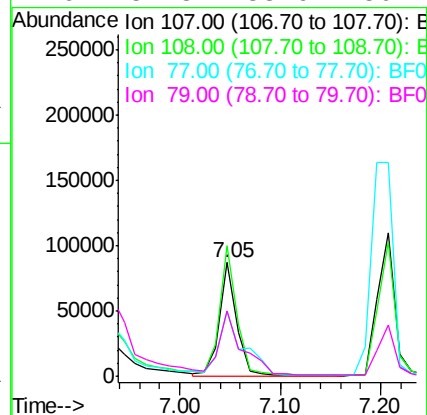
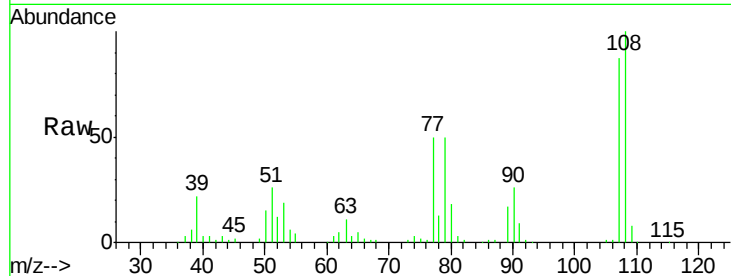
#17
2-Methylphenol
Concen: 28.12 ng
RT: 7.05 min Scan# 434
Delta R.T. -0.02 min
Lab File: BF080971.D
Acq: 11 Aug 2015 20:08

Instrument :
BNA_F
ClientSampleId :
SOIL-2MS

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	107388		
108	114.8	90.3	135.5	
77	57.9	34.6	51.8	
79	57.8	33.6	50.4	

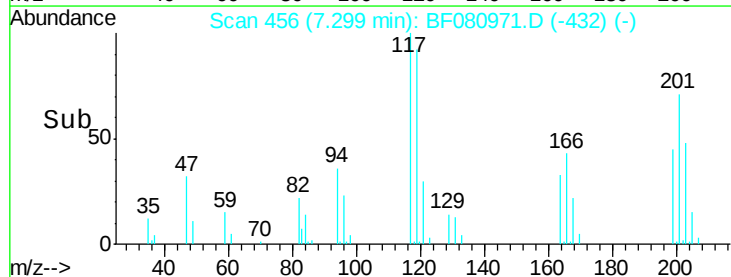
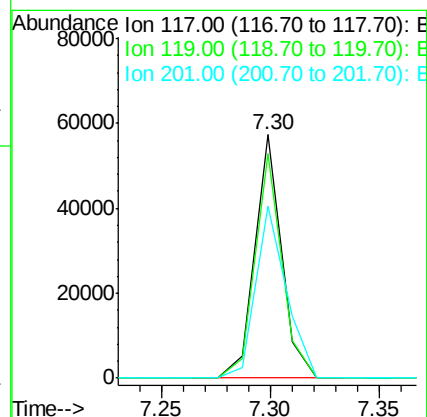
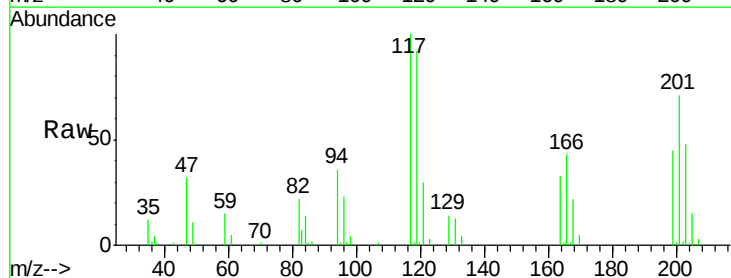
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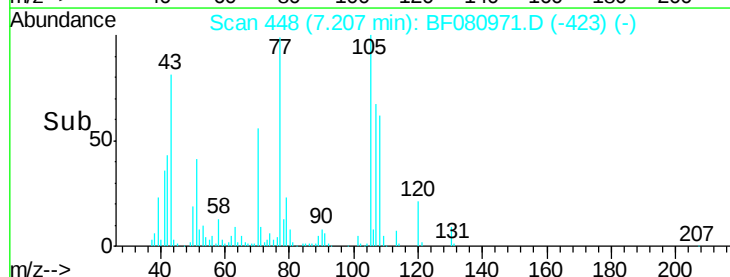
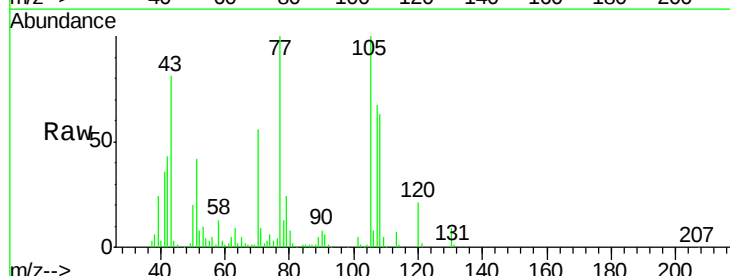
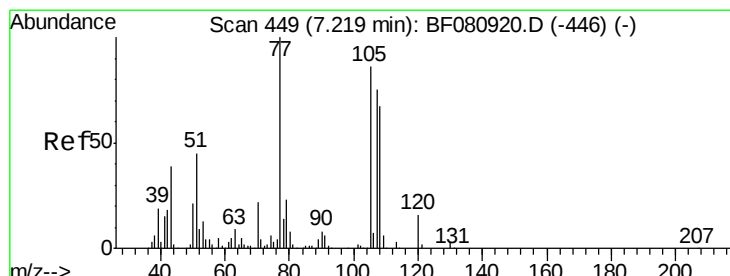
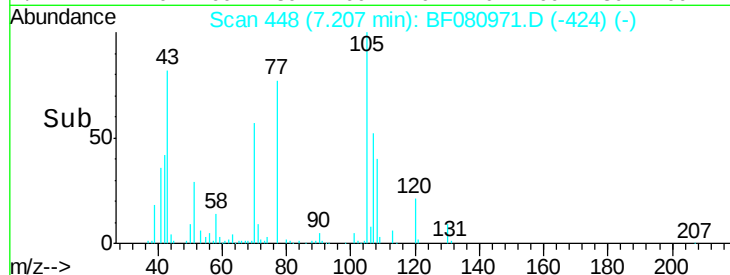
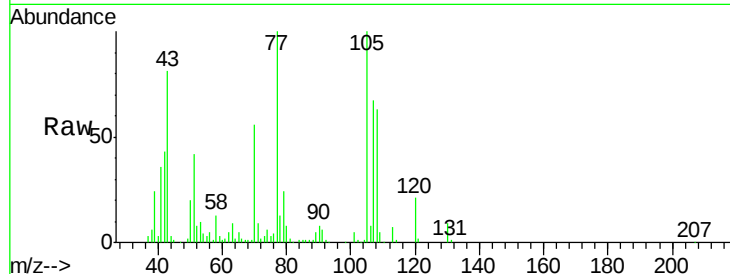
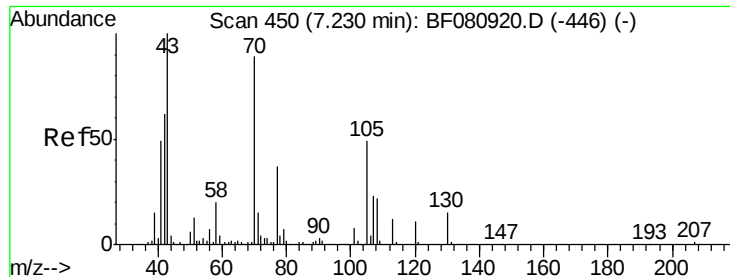
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#18
Hexachloroethane
Concen: 25.90 ng
RT: 7.30 min Scan# 456
Delta R.T. -0.02 min
Lab File: BF080971.D
Acq: 11 Aug 2015 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	48949		
119	92.1	76.3	114.5	
201	70.8	57.0	85.6	

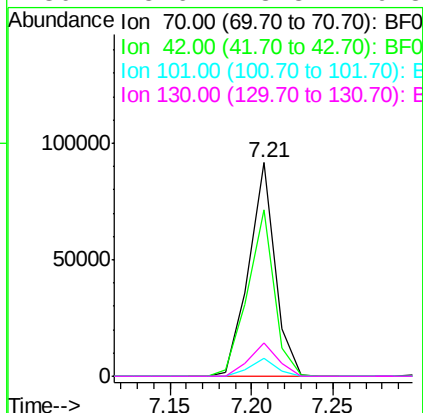




#19
n-Nitroso-di-n-propylamine
Concen: 26.63 ng
RT: 7.21 min Scan# 448
Delta R.T. -0.02 min
Lab File: BF080971.D
Acq: 11 Aug 2015 20:08

Instrument :
BNA_F
ClientSampleId :
SOIL-2MS

Tgt Ion	Ratio	Lower	Upper
70	100		
42	77.8	55.7	83.5
101	8.3	7.0	10.6
130	15.6	13.8	20.8

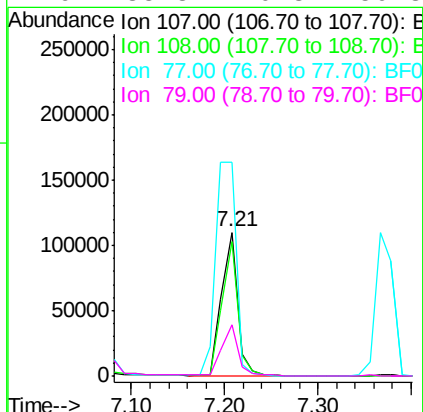


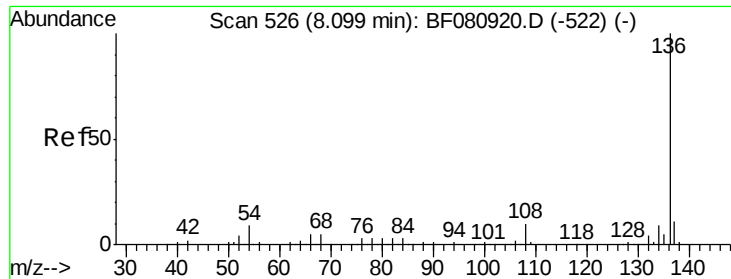
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#20
3+4-Methylphenols
Concen: 27.98 ng
RT: 7.21 min Scan# 448
Delta R.T. -0.01 min
Lab File: BF080971.D
Acq: 11 Aug 2015 20:08

Tgt Ion	Ratio	Lower	Upper
107	100		
108	93.3	69.2	109.2
77	148.4	113.0	153.0
79	35.8	10.3	50.3





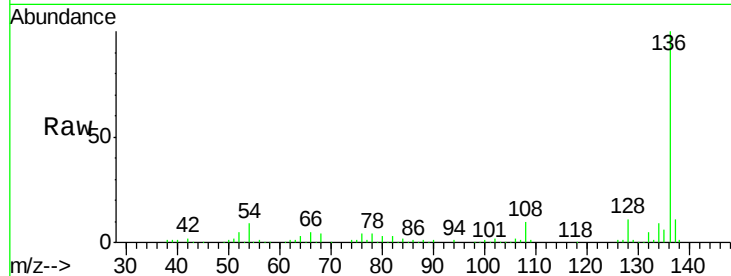
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.08 min Scan# 524
Delta R.T. -0.02 min
Lab File: BF080971.D
Acq: 11 Aug 2015 20:08

Instrument :
BNA_F
ClientSampleId :
SOIL-2MS

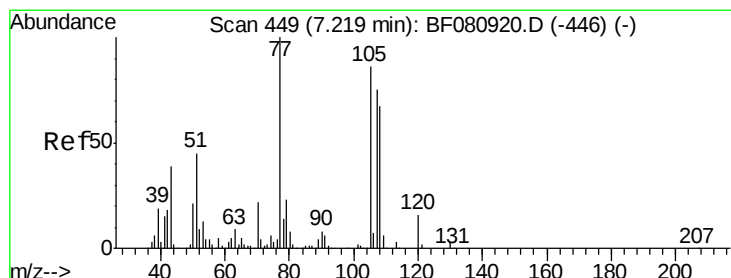
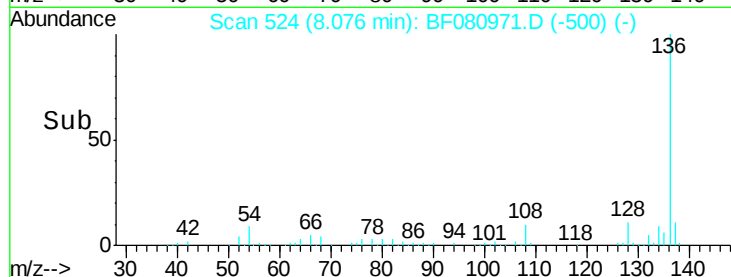
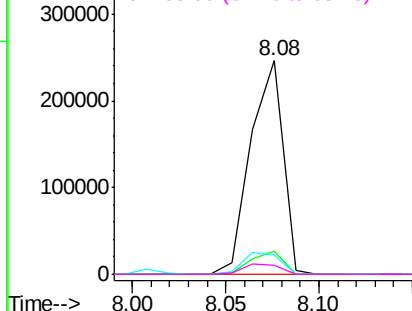
Tgt Ion	Ratio	Resp	Lower	Upper
136	100	295127		
137	10.6	8.5	12.7	
54	8.9	7.1	10.7	
68	4.3	3.8	5.8	

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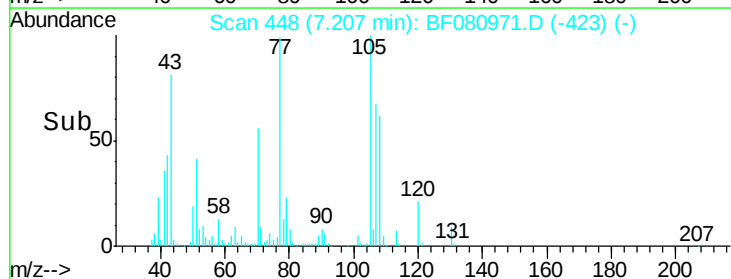
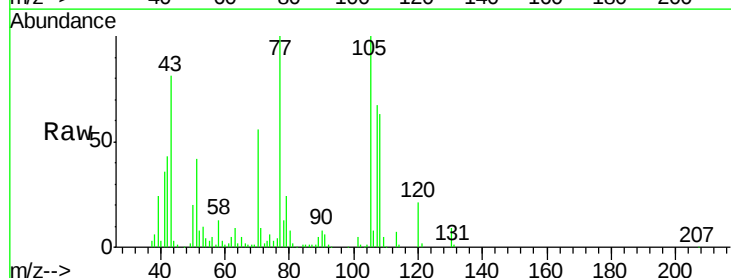
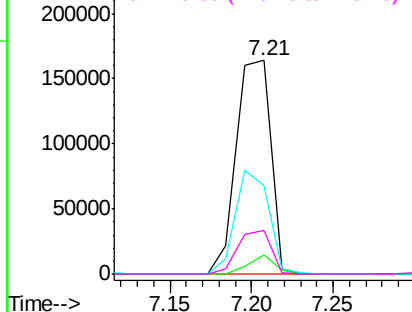
Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0



#22
Acetophenone
Concen: 33.21 ng
RT: 7.21 min Scan# 448
Delta R.T. -0.01 min
Lab File: BF080971.D
Acq: 11 Aug 2015 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	240119		
71	9.1	3.3	4.9#	
51	41.6	41.8	62.6#	
120	20.5	15.1	22.7	

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





#23

Nitrobenzene-d5

Concen: 60.80 ng

RT: 7.36 min Scan# 461

Delta R.T. -0.02 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

Instrument :

BNA_F

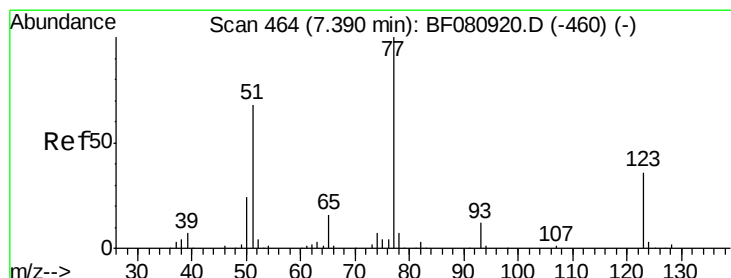
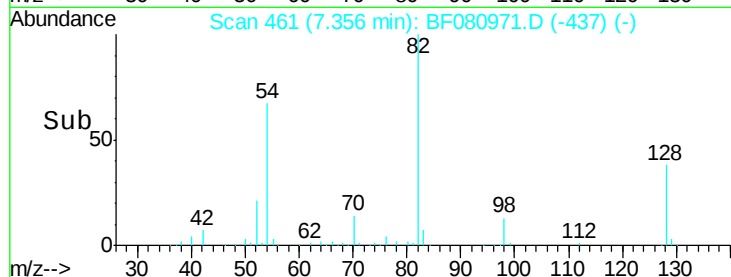
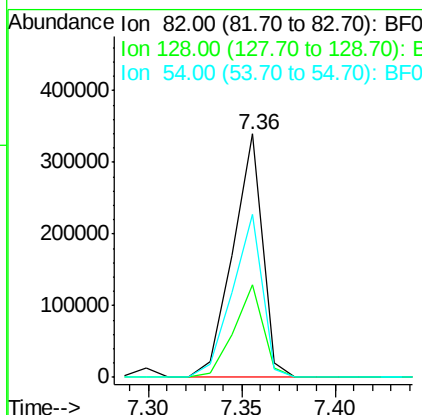
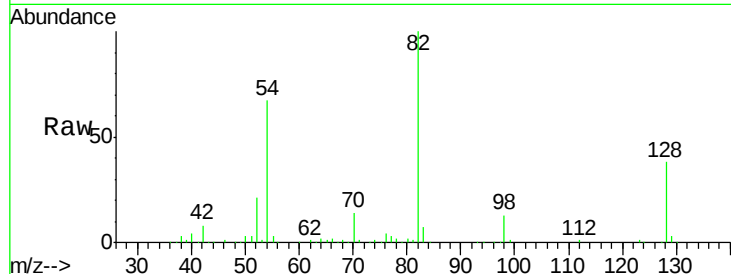
ClientSampleId :

SOIL-2MS

Tgt Ion:	82	Resp:	379368
Ion Ratio	Lower	Upper	
82	100		
128	37.8	34.1	51.1
54	66.9	46.5	69.7

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#24

Nitrobenzene

Concen: 22.40 ng

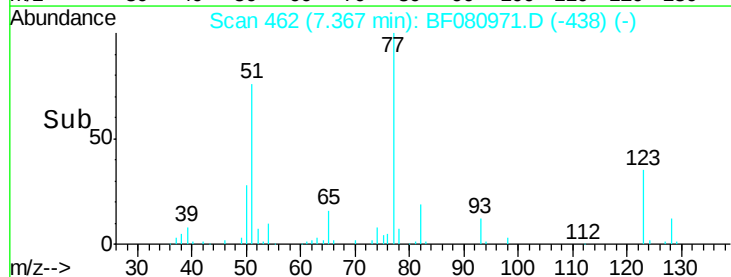
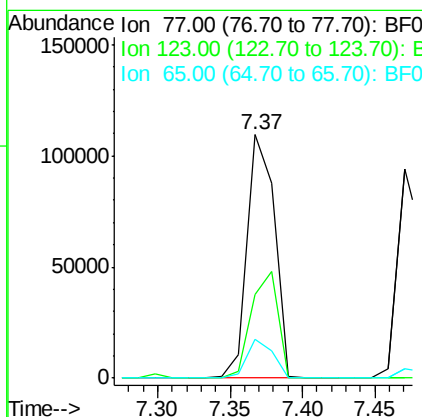
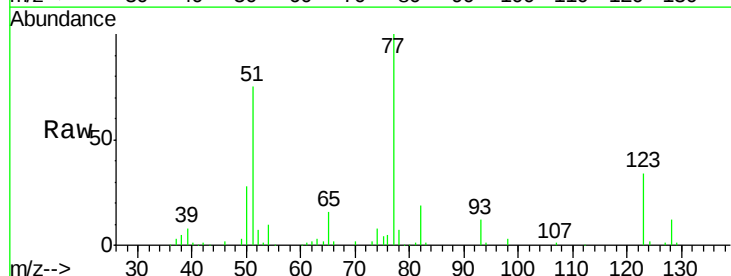
RT: 7.37 min Scan# 462

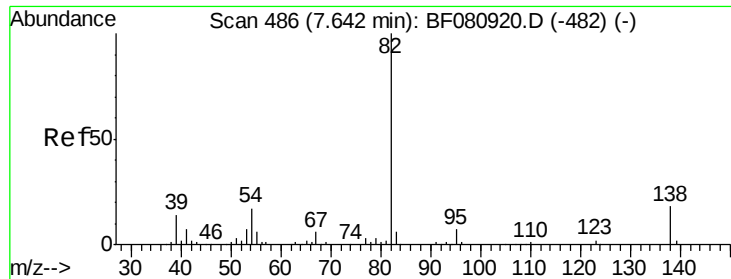
Delta R.T. -0.02 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

Tgt Ion:	77	Resp:	143901
Ion Ratio	Lower	Upper	
77	100		
123	34.3	28.7	43.1
65	15.9	12.5	18.7





#25

Isophorone

Concen: 28.21 ng

RT: 7.62 min Scan# 484

Delta R.T. -0.02 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

Instrument :

BNA_F

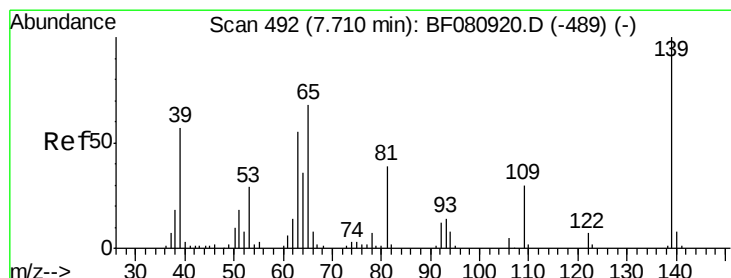
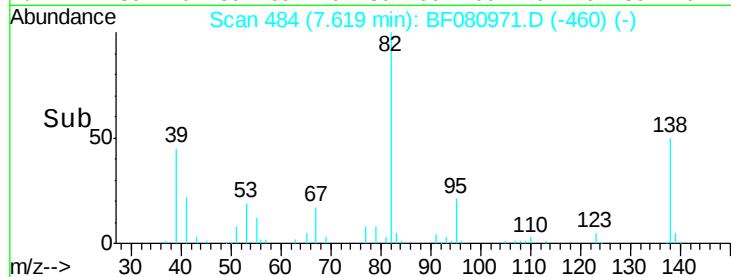
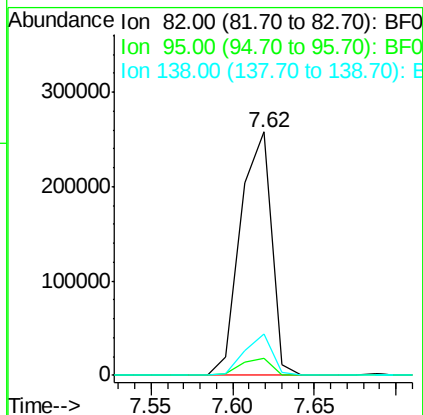
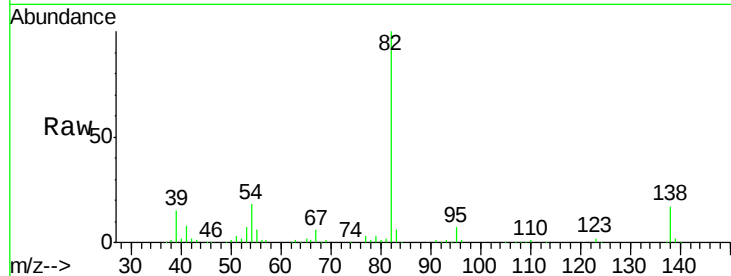
ClientSampled :

SOIL-2MS

Tgt Ion:	82	Resp:	338494
Ion Ratio		Lower	Upper
82	100		
95	7.2	5.8	8.6
138	17.1	14.1	21.1

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#26

2-Nitrophenol

Concen: 28.38 ng

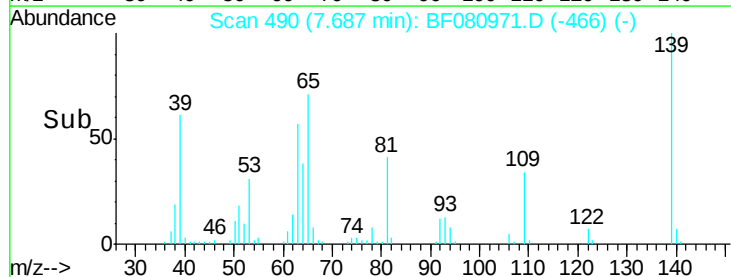
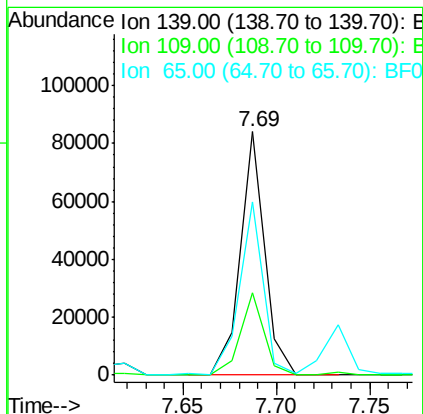
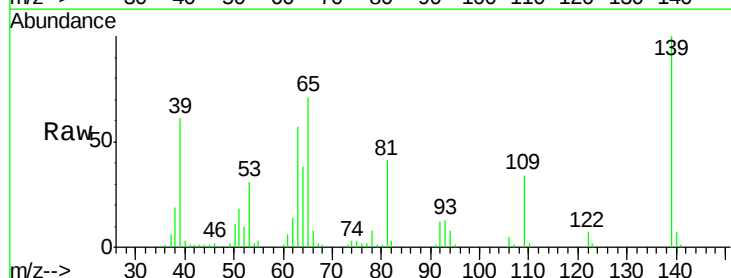
RT: 7.69 min Scan# 490

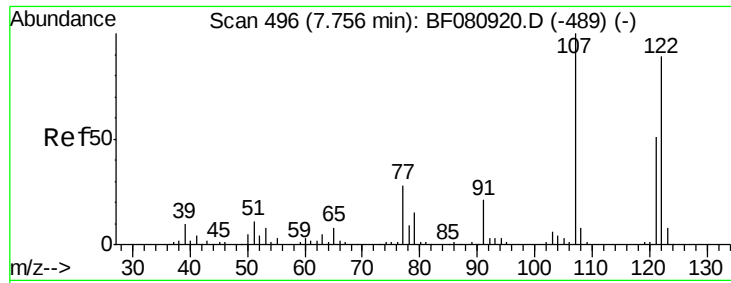
Delta R.T. -0.02 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

Tgt Ion:	139	Resp:	76725
Ion Ratio		Lower	Upper
139	100		
109	34.0	24.1	36.1
65	71.1	54.0	81.0





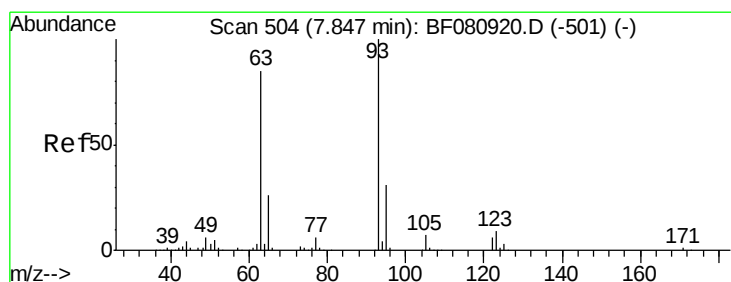
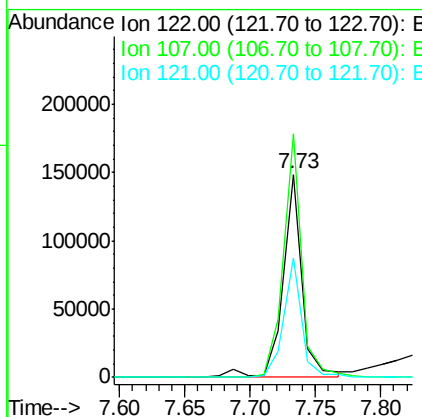
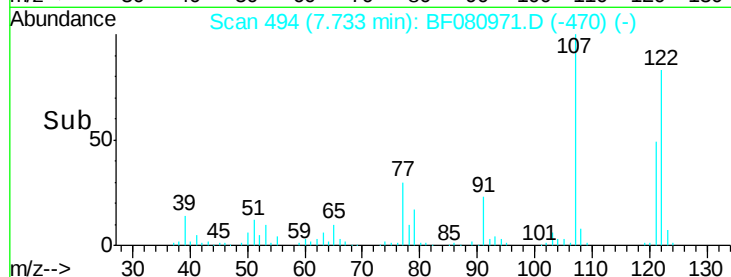
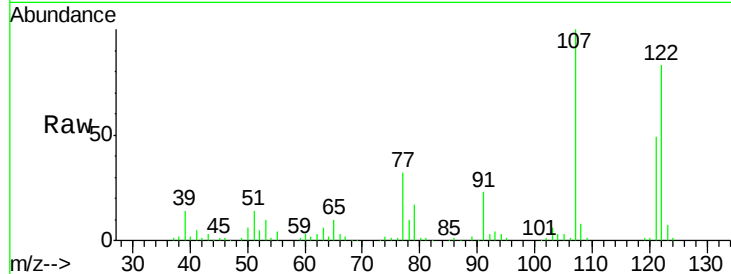
#27
 2,4-Dimethylphenol
 Concen: 29.95 ng
 RT: 7.73 min Scan# 494
 Delta R.T. -0.02 min
 Lab File: BF080971.D
 Acq: 11 Aug 2015 20:08

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MS

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	151584		
107	119.9	90.2	135.4	
121	58.7	46.0	69.0	

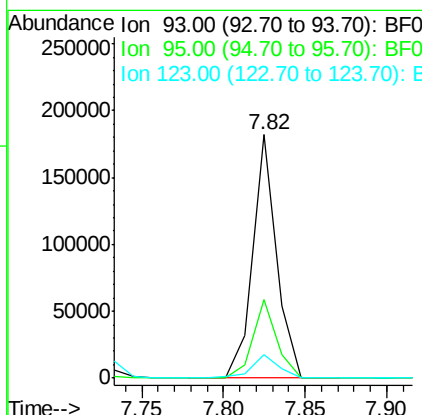
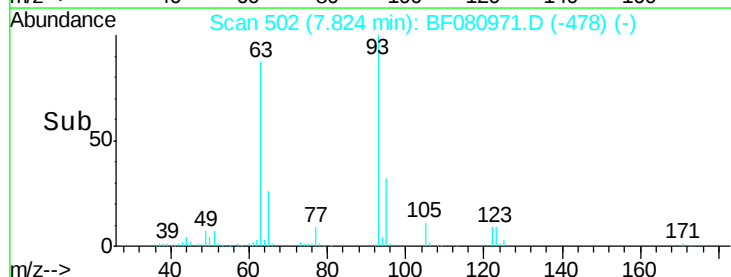
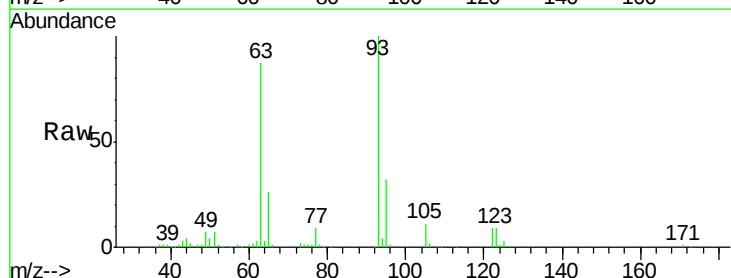
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#28
 bis(2-Chloroethoxy)methane
 Concen: 25.63 ng
 RT: 7.82 min Scan# 502
 Delta R.T. -0.02 min
 Lab File: BF080971.D
 Acq: 11 Aug 2015 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	184653		
95	32.2	25.0	37.4	
123	9.4	7.4	11.0	





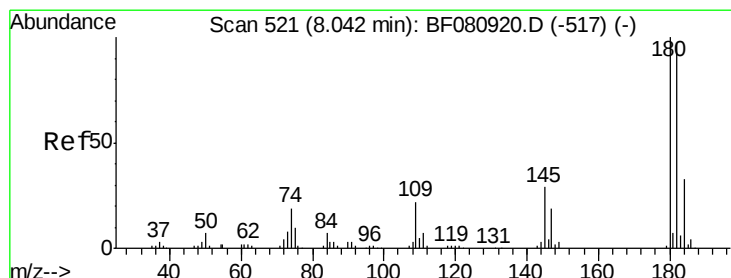
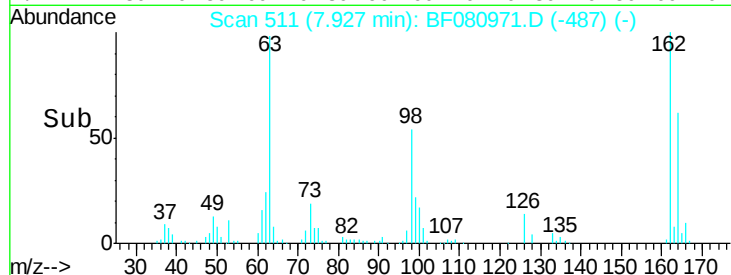
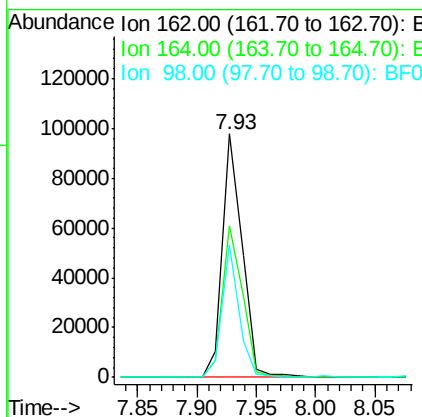
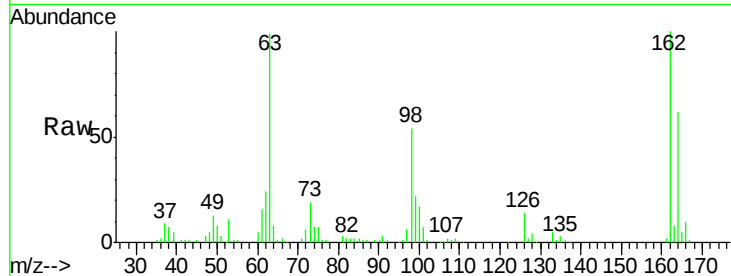
#29
 2,4-Dichlorophenol
 Concen: 26.98 ng
 RT: 7.93 min Scan# 511
 Delta R.T. -0.02 min
 Lab File: BF080971.D
 Acq: 11 Aug 2015 20:08

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MS

Tgt Ion:	162	Resp:	112184
Ion Ratio	Lower	Upper	
162	100		
164	62.5	42.3	82.3
98	54.1	27.7	67.7

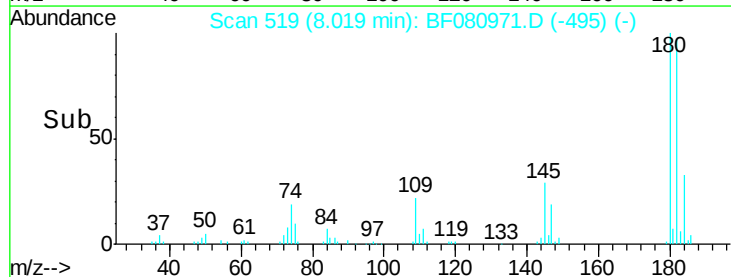
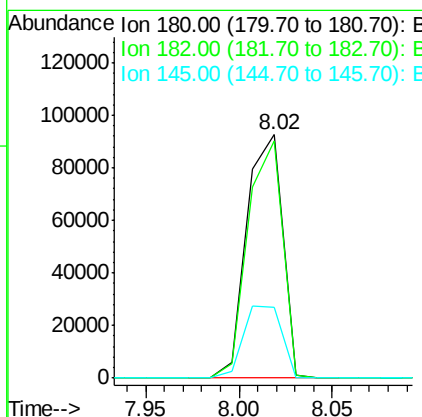
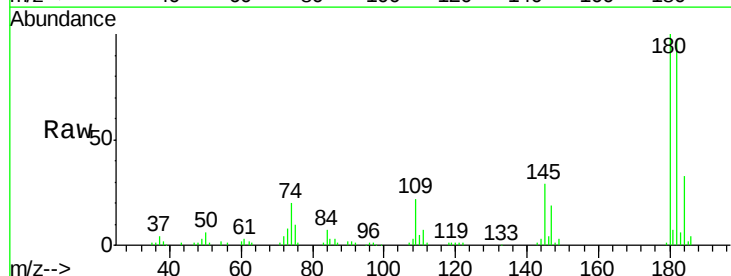
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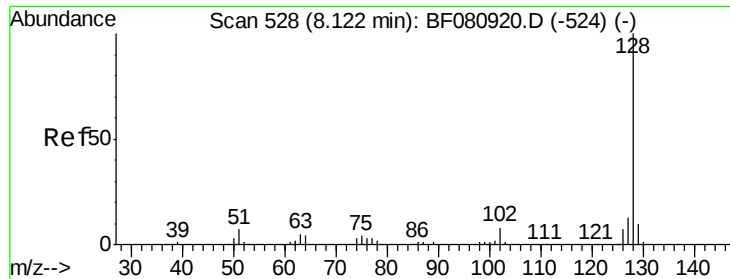
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#30
 1,2,4-Trichlorobenzene
 Concen: 27.04 ng
 RT: 8.02 min Scan# 519
 Delta R.T. -0.02 min
 Lab File: BF080971.D
 Acq: 11 Aug 2015 20:08

Tgt Ion:	180	Resp:	122921
Ion Ratio	Lower	Upper	
180	100		
182	97.4	77.4	116.0
145	29.0	23.2	34.8





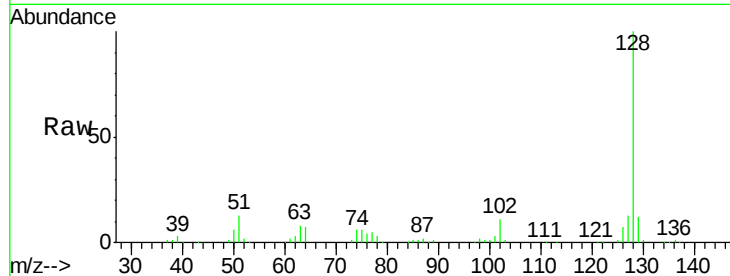
#31
Naphthalene
Concen: 24.70 ng
RT: 8.09 min Scan# 525
Delta R.T. -0.03 min
Lab File: BF080971.D
Acq: 11 Aug 2015 20:08

Instrument :
BNA_F
ClientSampleId :
SOIL-2MS

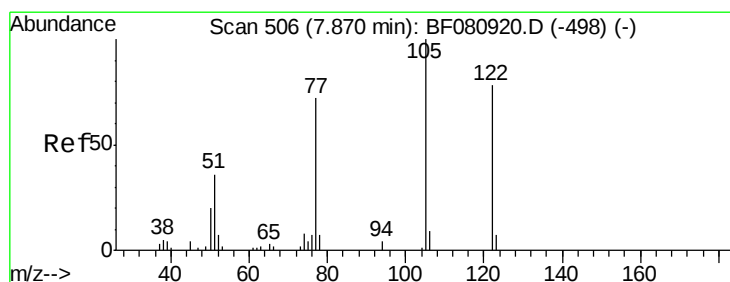
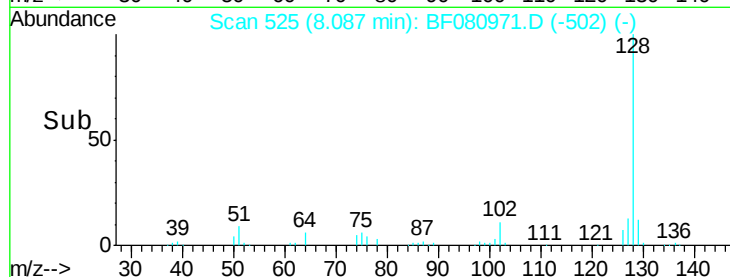
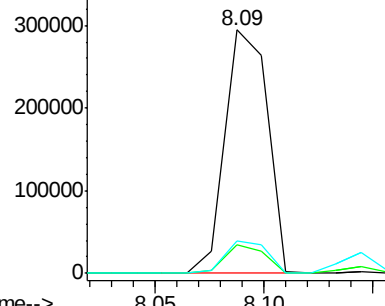
Tgt Ion:	128	Resp:	401762
Ion Ratio		Lower	Upper
128	100		
129	11.6	8.4	12.6
127	13.2	10.5	15.7

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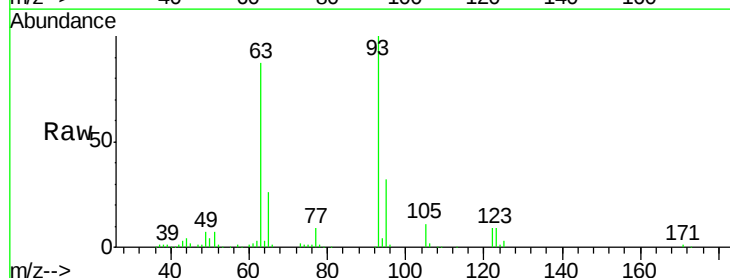


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

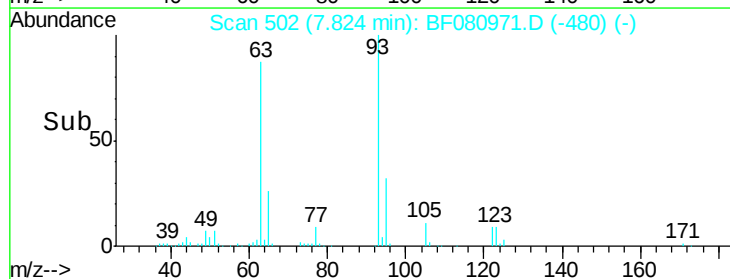
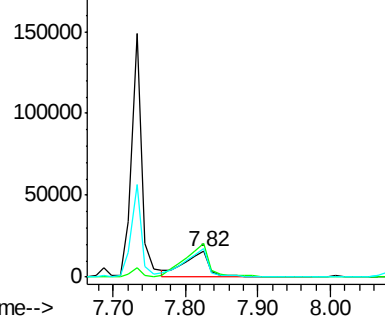


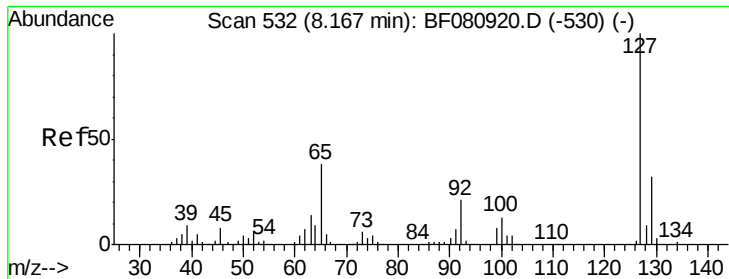
#32
Benzoic acid
Concen: 13.26 ng
RT: 7.82 min Scan# 502
Delta R.T. -0.05 min
Lab File: BF080971.D
Acq: 11 Aug 2015 20:08

Tgt Ion:	122	Resp:	40167
Ion Ratio		Lower	Upper
122	100		
105	128.8	103.6	143.6
77	108.5	70.4	110.4



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0





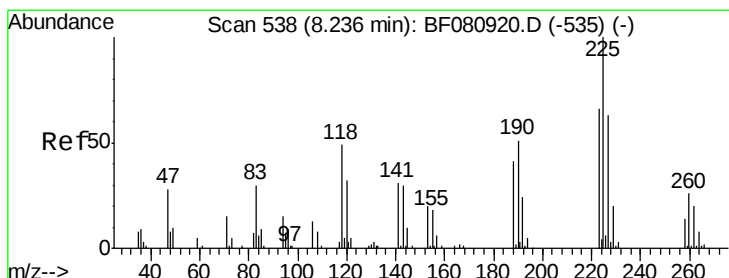
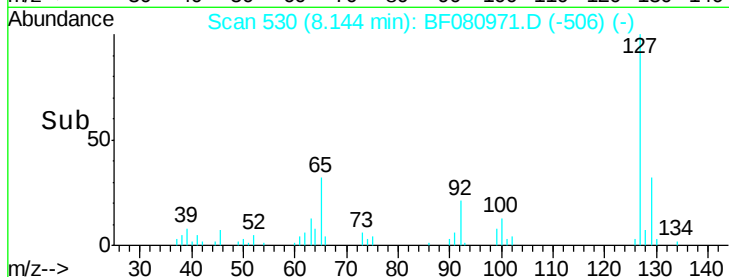
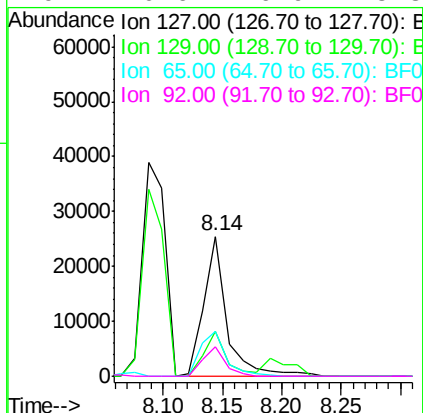
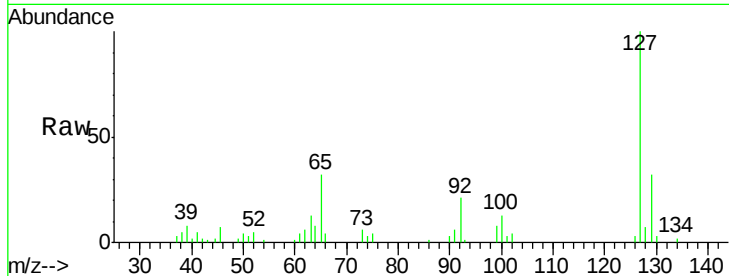
#33
4-Chloroaniline
Concen: 5.23 ng
RT: 8.14 min Scan# 530
Delta R.T. -0.02 min
Lab File: BF080971.D
Acq: 11 Aug 2015 20:08

Instrument :
BNA_F
ClientSampleId :
SOIL-2MS

Tgt Ion	Ratio	Resp	Lower	Upper
127	100	34591		
129	32.2	25.9	38.9	
65	32.3	30.6	45.8	
92	20.6	16.9	25.3	

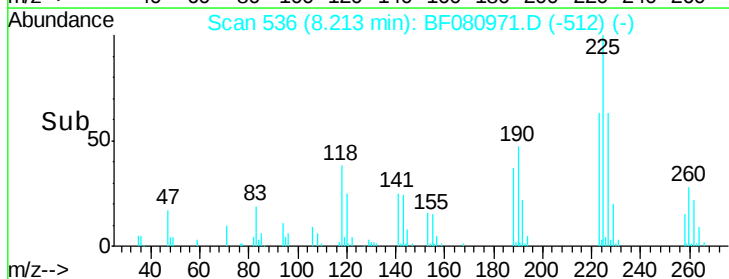
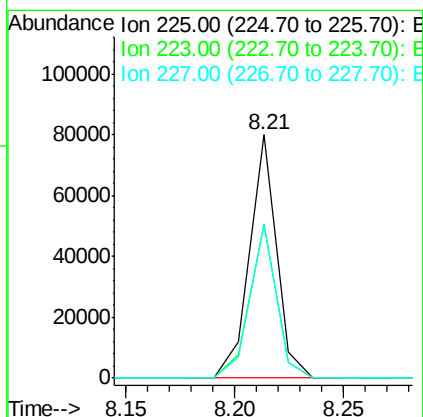
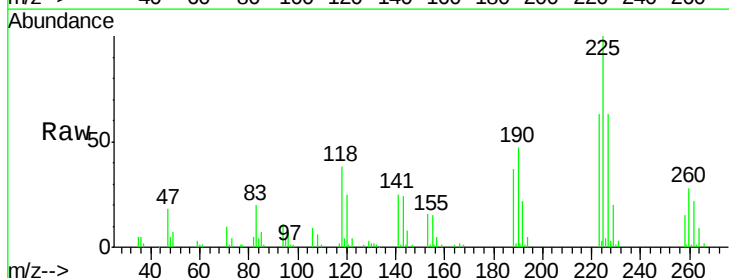
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#34
Hexachlorobutadiene
Concen: 25.47 ng
RT: 8.21 min Scan# 536
Delta R.T. -0.02 min
Lab File: BF080971.D
Acq: 11 Aug 2015 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	68893		
223	63.2	52.5	78.7	
227	63.0	50.3	75.5	





#35

Caprolactam

Concen: 23.07 ng m

RT: 8.51 min Scan# 562

Delta R.T. -0.03 min

Lab File: BF080971.D

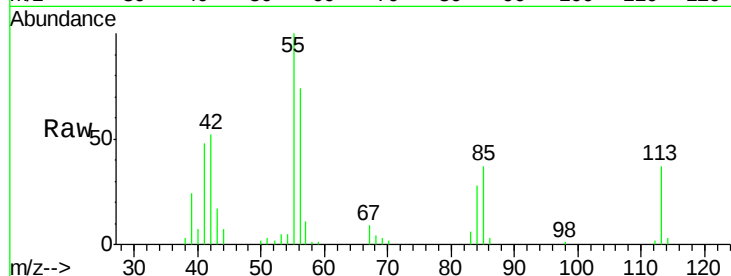
Acq: 11 Aug 2015 20:08

Instrument :

BNA_F

ClientSampleId :

SOIL-2MS



Tgt Ion:113 Resp: 34517

Ion Ratio Lower Upper

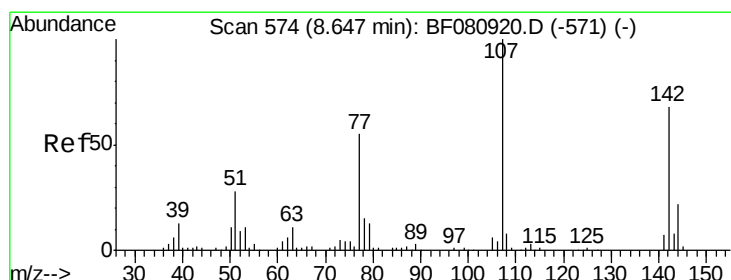
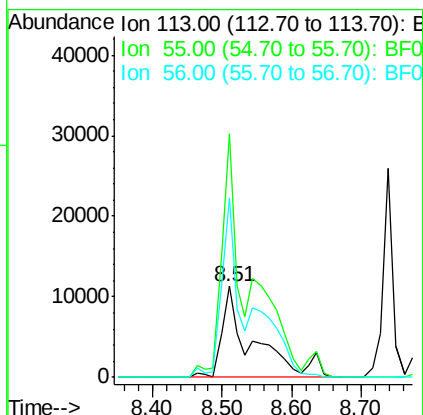
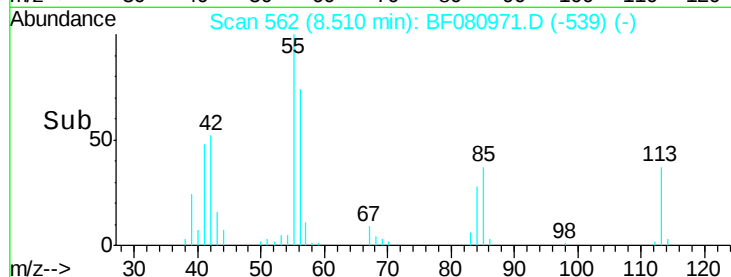
113 100

55 268.5 196.4 236.4#

56 197.8 137.9 177.9#

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#36

4-Chloro-3-methylphenol

Concen: 24.78 ng

RT: 8.64 min Scan# 573

Delta R.T. -0.01 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

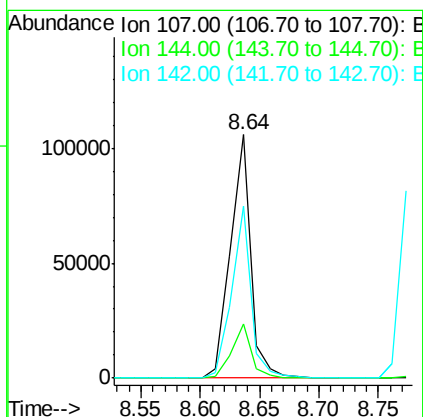
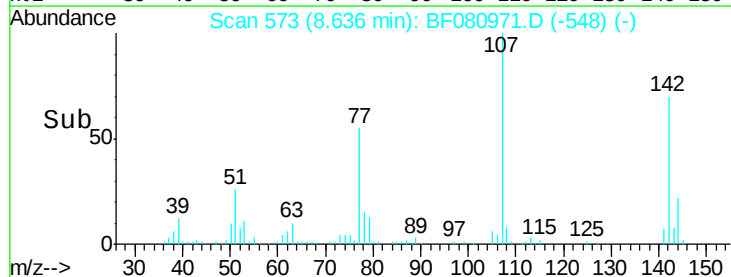
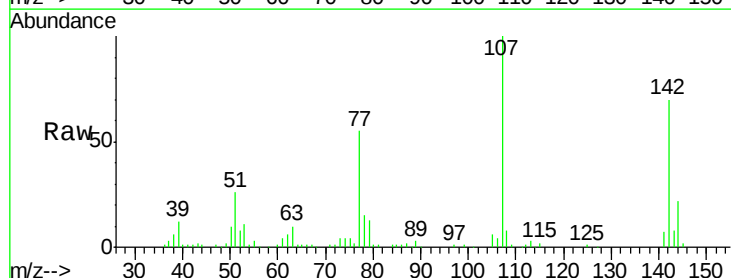
Tgt Ion:107 Resp: 125750

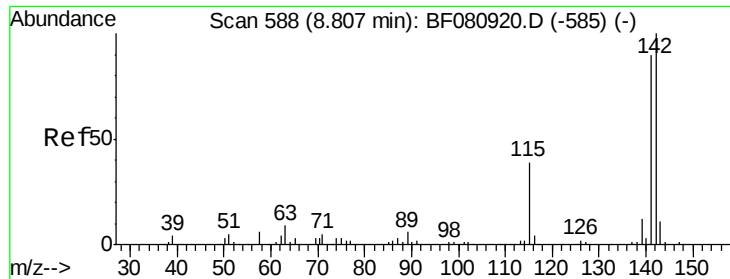
Ion Ratio Lower Upper

107 100

144 22.1 17.3 25.9

142 70.4 54.4 81.6





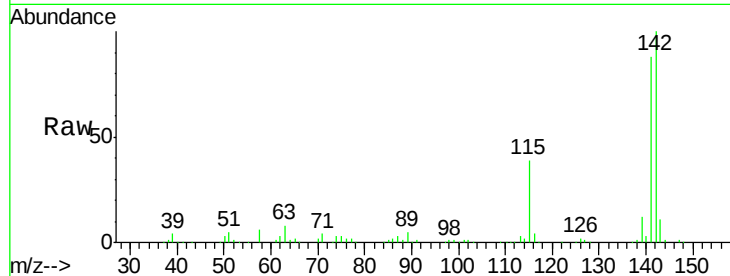
#37
 2-Methylnaphthalene
 Concen: 23.88 ng
 RT: 8.78 min Scan# 586
 Delta R.T. -0.02 min
 Lab File: BF080971.D
 Acq: 11 Aug 2015 20:08

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MS

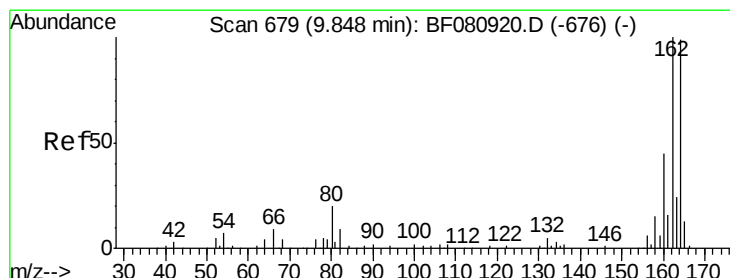
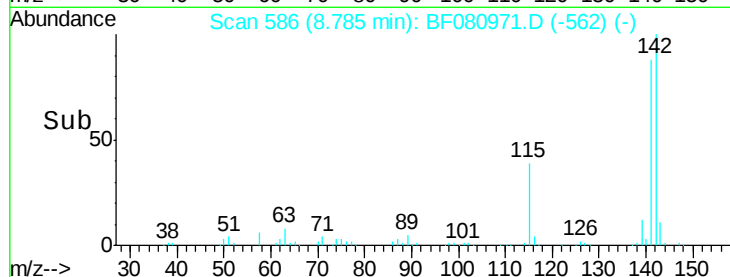
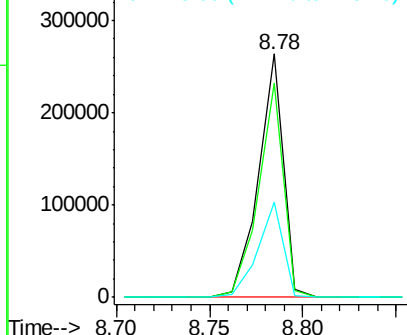
Tgt Ion	Ratio	Resp	Lower	Upper
142	100	247328		
141	88.1	71.7	107.5	
115	39.3	30.9	46.3	

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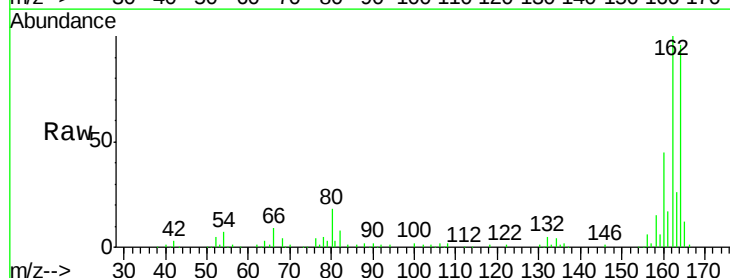


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

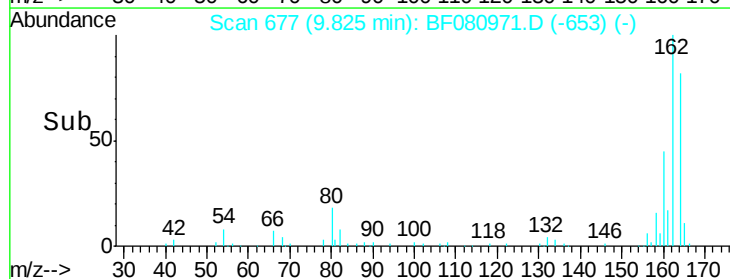
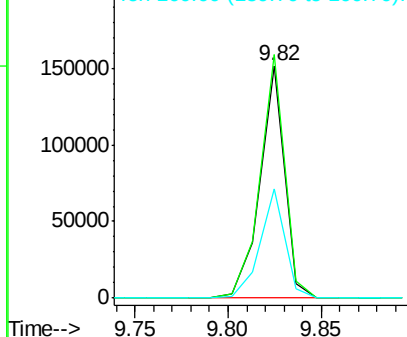


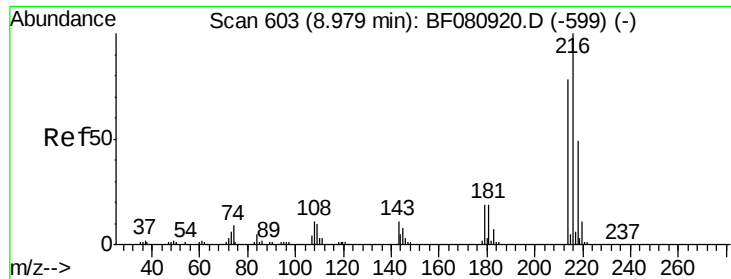
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.82 min Scan# 677
 Delta R.T. -0.02 min
 Lab File: BF080971.D
 Acq: 11 Aug 2015 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	136999		
162	104.6	80.5	120.7	
160	46.7	36.6	54.8	



Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 34.52 ng

RT: 8.96 min Scan# 601

Delta R.T. -0.02 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

Instrument :

BNA_F

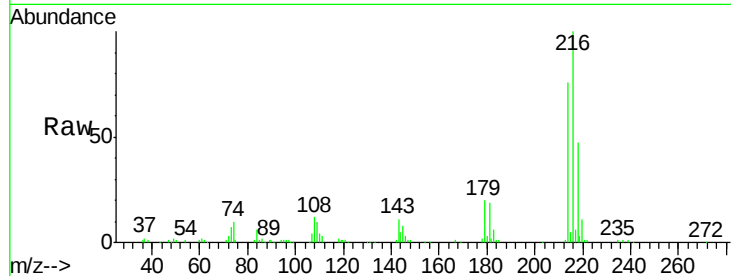
ClientSampleId :

SOIL-2MS

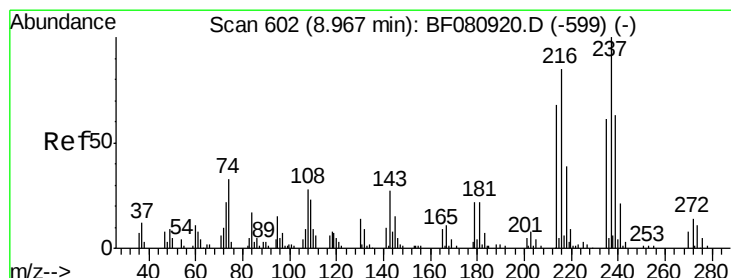
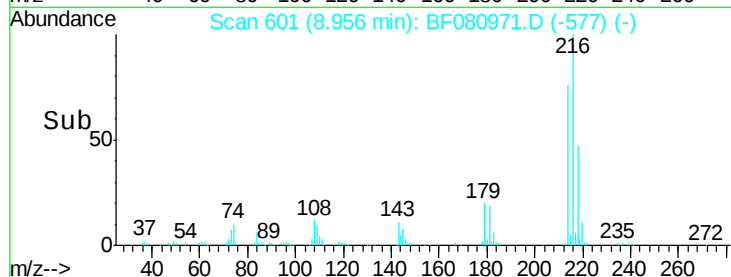
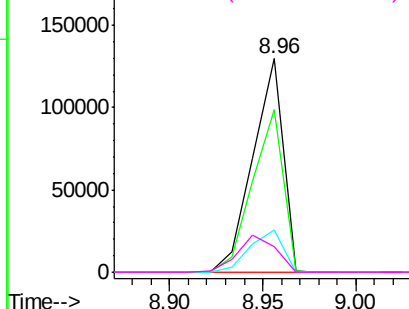
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Tgt Ion	Ratio	Resp	Lower	Upper
216	100	145793		
214	77.0	63.0	94.4	
179	21.5	17.2	25.8	
108	21.7	16.1	24.1	



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: 65.61 ng

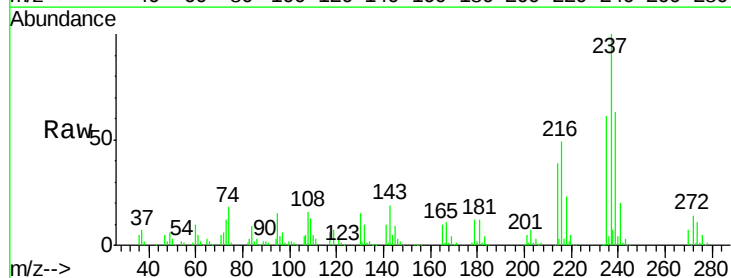
RT: 8.94 min Scan# 600

Delta R.T. -0.02 min

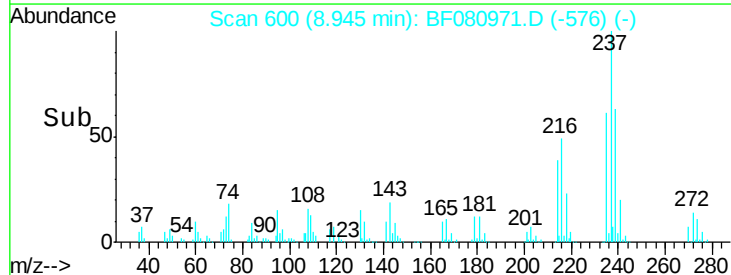
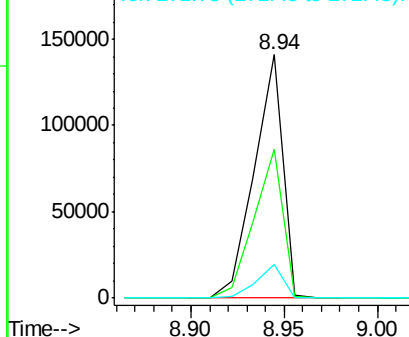
Lab File: BF080971.D

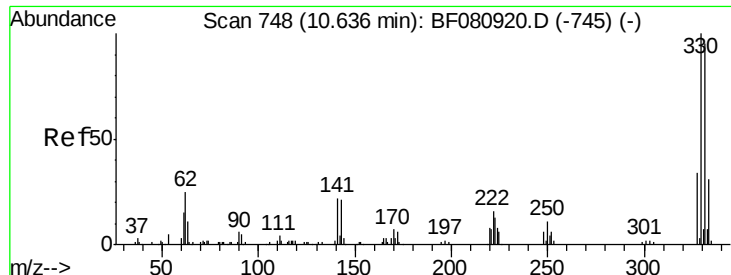
Acq: 11 Aug 2015 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	151208		
235	61.4	41.3	81.3	
272	13.7	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





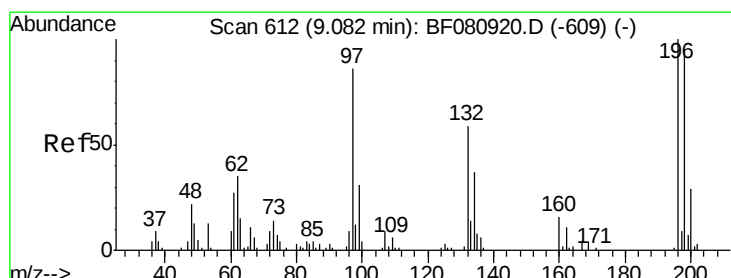
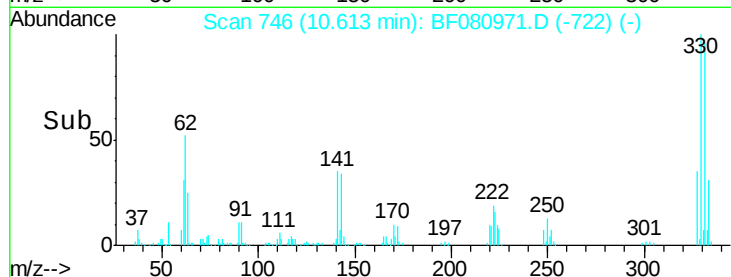
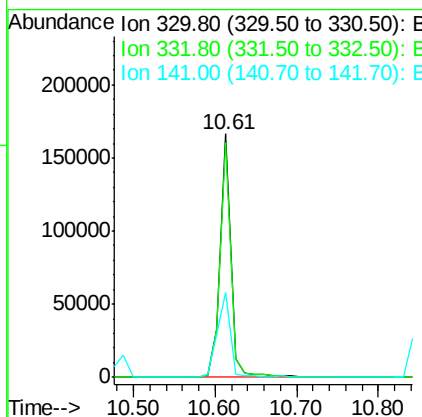
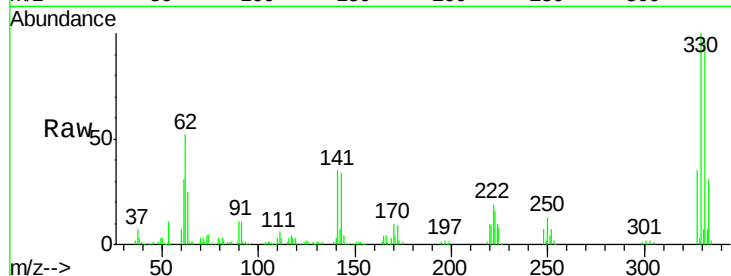
#41
 2,4,6-Tribromophenol
 Concen: 102.75 ng
 RT: 10.61 min Scan# 746
 Delta R.T. -0.02 min
 Lab File: BF080971.D
 Acq: 11 Aug 2015 20:08

Instrument :
 BNA_F
 ClientSampled :
 SOIL-2MS

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	154648		
332	97.2	76.2	114.4	
141	42.1	27.8	41.8#	

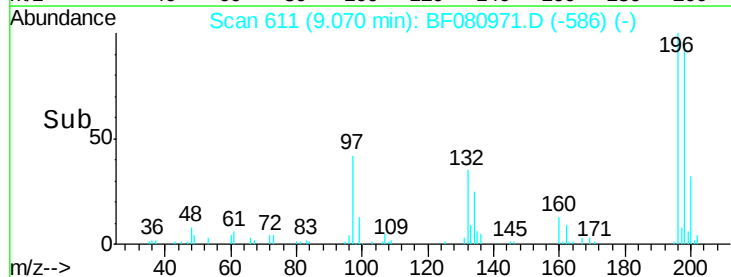
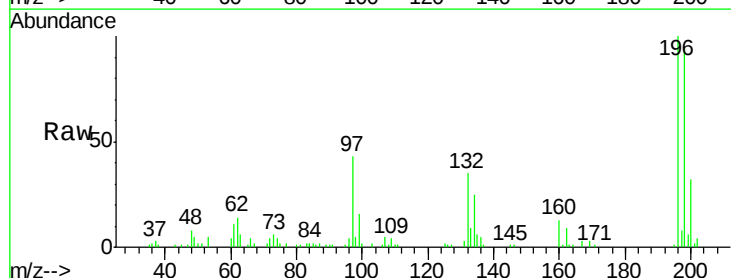
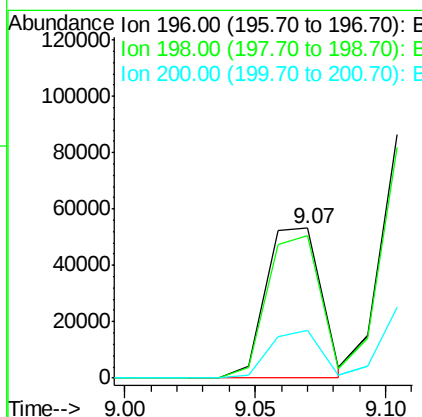
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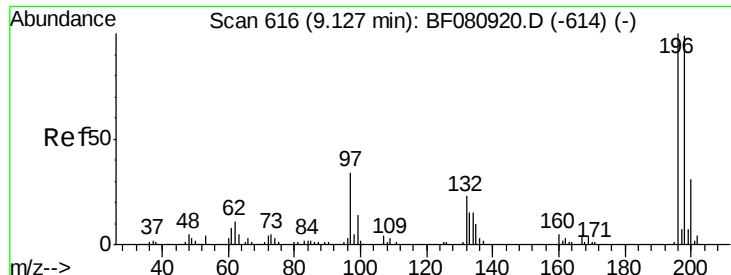
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#42
 2,4,6-Trichlorophenol
 Concen: 25.19 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: BF080971.D
 Acq: 11 Aug 2015 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	77983		
198	94.9	75.9	113.9	
200	31.5	23.1	34.7	





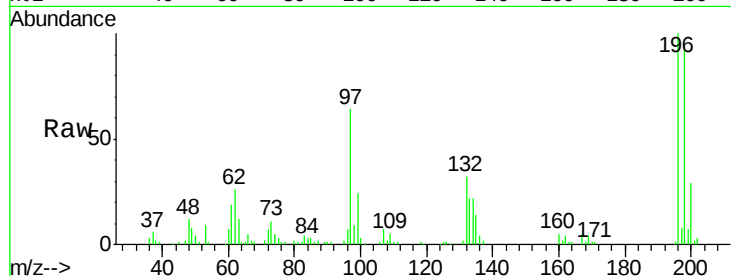
#43
 2,4,5-Trichlorophenol
 Concen: 28.29 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.02 min
 Lab File: BF080971.D
 Acq: 11 Aug 2015 20:08

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MS

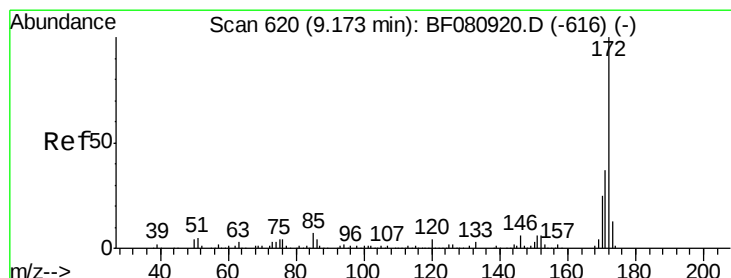
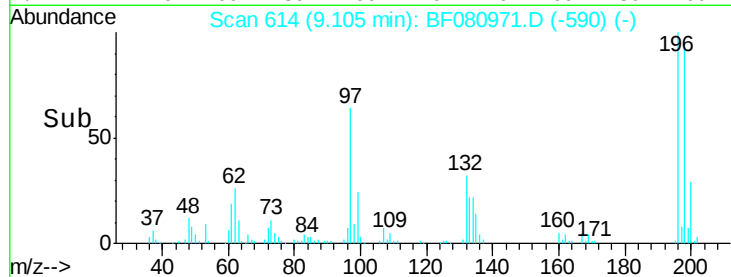
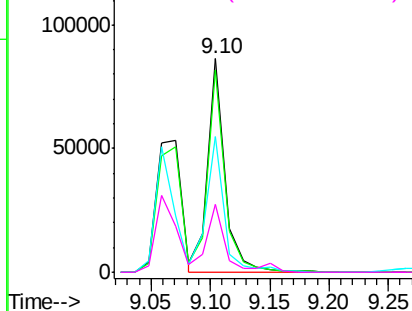
Tgt Ion	Ratio	Resp	Lower	Upper
196	100	88232		
198	94.6	78.9	118.3	
97	63.6	29.1	43.7#	
132	32.1	19.1	28.7#	

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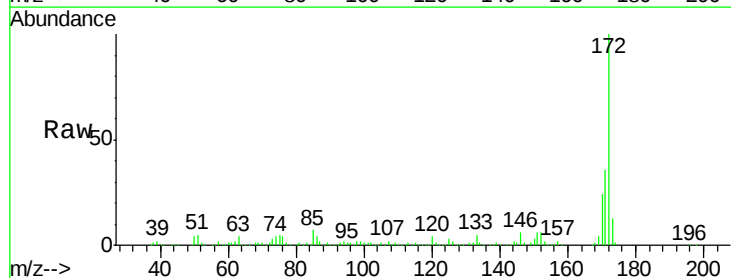


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

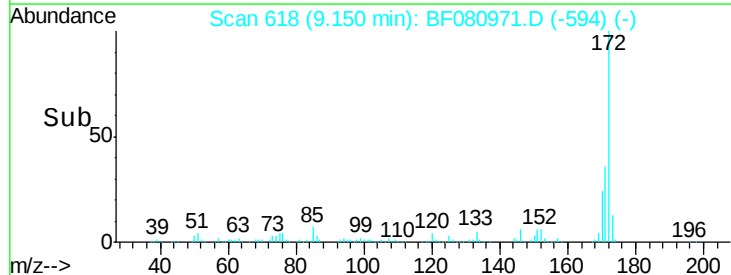
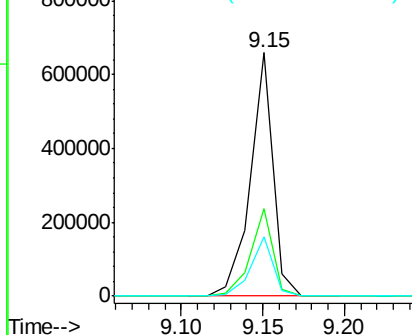


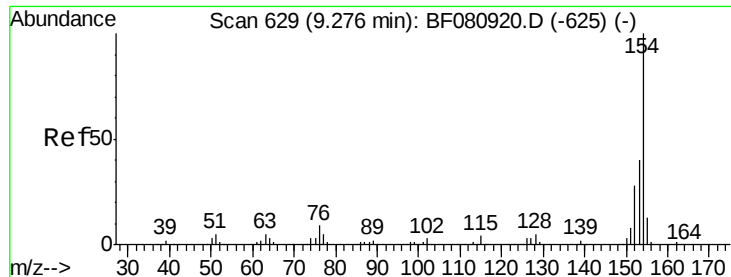
#44
 2-Fluorobiphenyl
 Concen: 64.99 ng
 RT: 9.15 min Scan# 618
 Delta R.T. -0.02 min
 Lab File: BF080971.D
 Acq: 11 Aug 2015 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	632410		
171	36.1	29.4	44.0	
170	24.2	19.7	29.5	



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





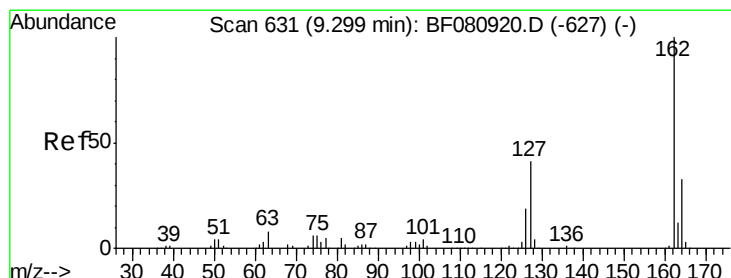
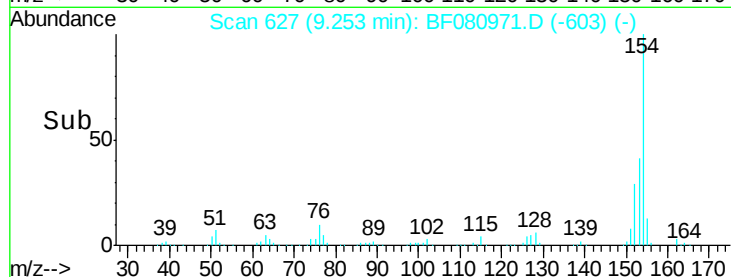
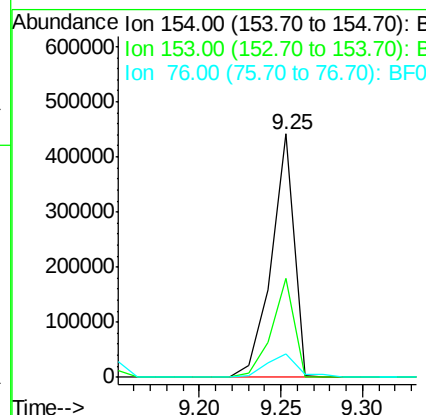
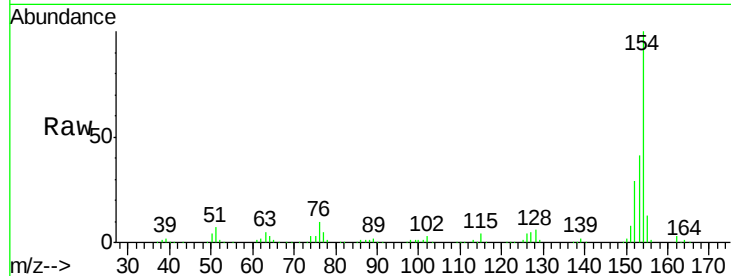
#45
 1,1'-Biphenyl
 Concen: 36.54 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.02 min
 Lab File: BF080971.D
 Acq: 11 Aug 2015 20:08

Instrument :
 BNA_F
 ClientSampled :
 SOIL-2MS

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	429611		
153	40.7	20.1	60.1	
76	9.6	0.0	29.3	

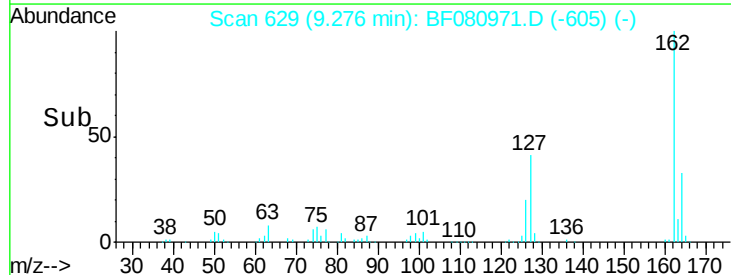
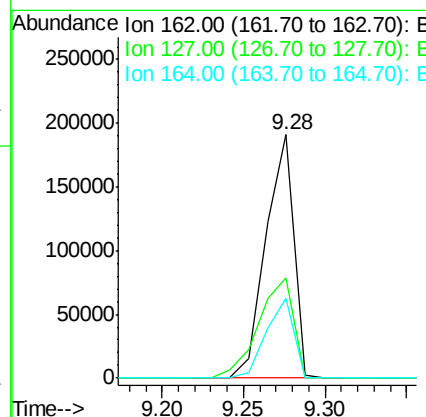
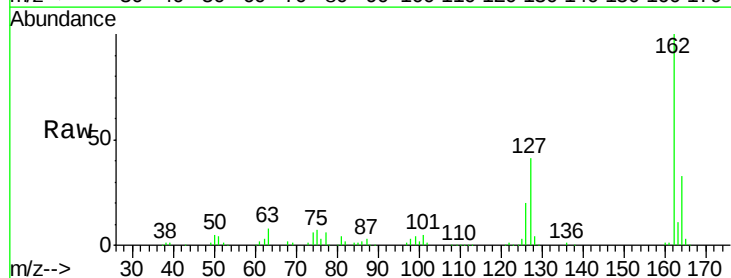
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#46
 2-Chloronaphthalene
 Concen: 24.81 ng
 RT: 9.28 min Scan# 629
 Delta R.T. -0.02 min
 Lab File: BF080971.D
 Acq: 11 Aug 2015 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	227414		
127	41.2	32.5	48.7	
164	32.6	26.2	39.4	





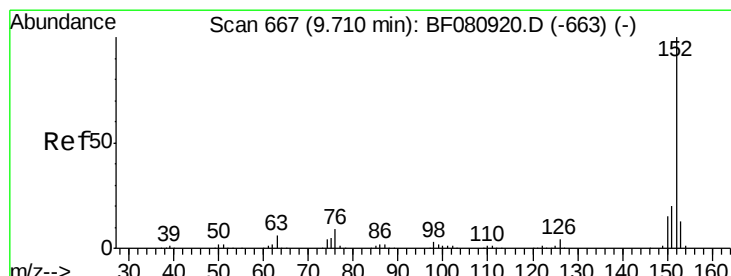
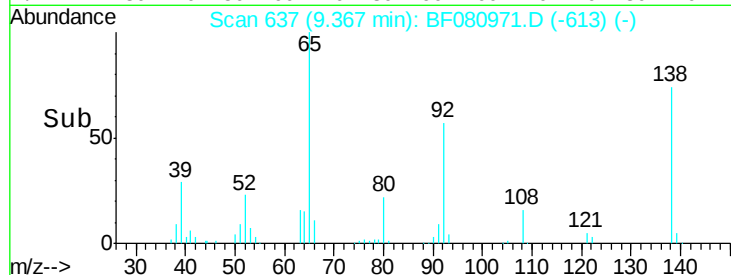
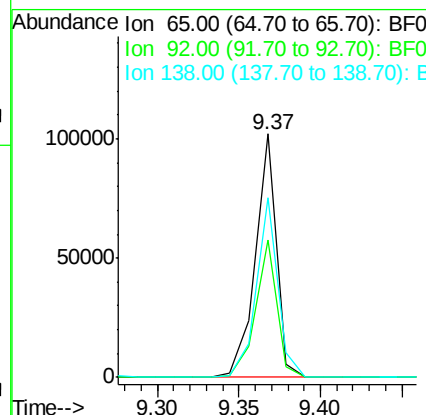
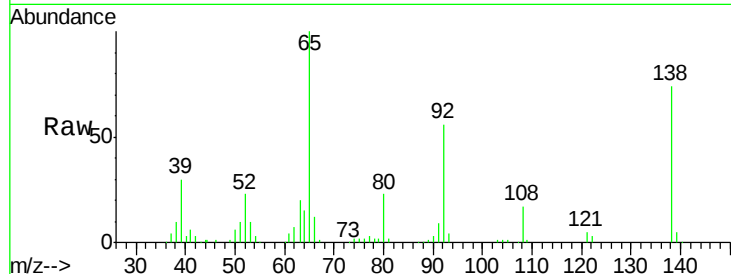
#47
 2-Nitroaniline
 Concen: 24.96 ng
 RT: 9.37 min Scan# 637
 Delta R.T. -0.02 min
 Lab File: BF080971.D
 Acq: 11 Aug 2015 20:08

Instrument :
 BNA_F
 ClientSampled :
 SOIL-2MS

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	91730		
92	56.3	48.0	72.0	
138	73.7	66.1	99.1	

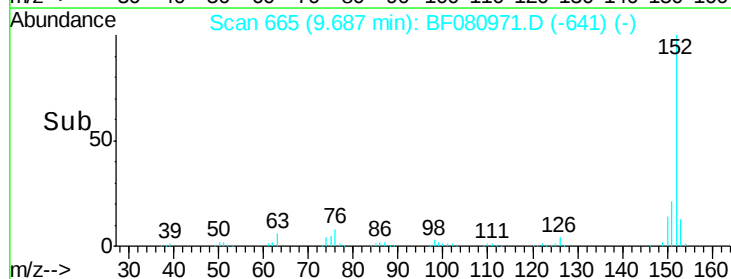
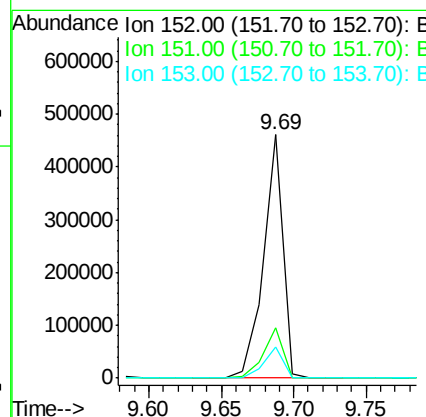
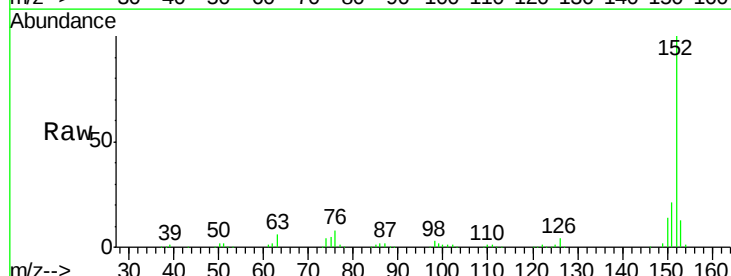
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#48
 Acenaphthylene
 Concen: 26.69 ng
 RT: 9.69 min Scan# 665
 Delta R.T. -0.02 min
 Lab File: BF080971.D
 Acq: 11 Aug 2015 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	425374		
151	20.6	16.3	24.5	
153	12.7	10.5	15.7	





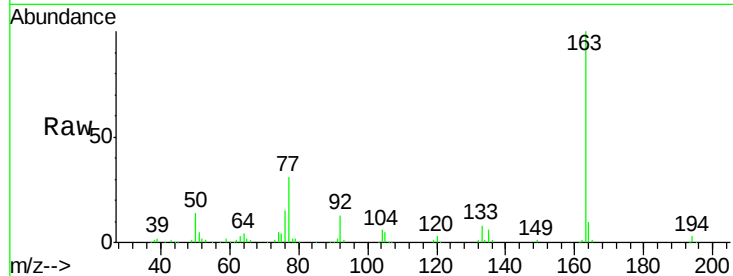
#49
Dimethylphthalate
Concen: 25.21 ng
RT: 9.55 min Scan# 653
Delta R.T. -0.02 min
Lab File: BF080971.D
Acq: 11 Aug 2015 20:08

Instrument :
BNA_F
ClientSampleId :
SOIL-2MS

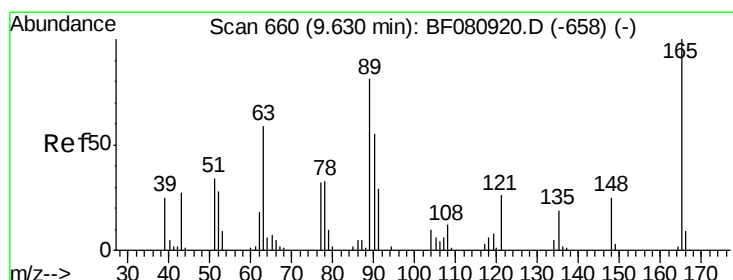
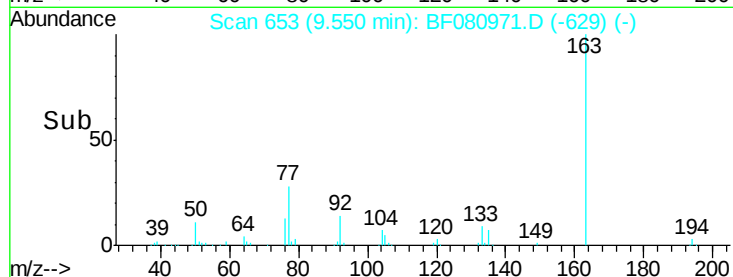
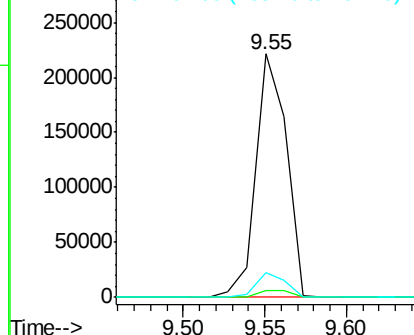
Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.0	2.4	3.6
164	10.3	8.2	12.4

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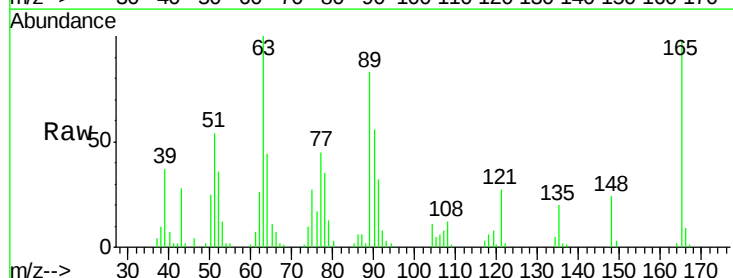


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

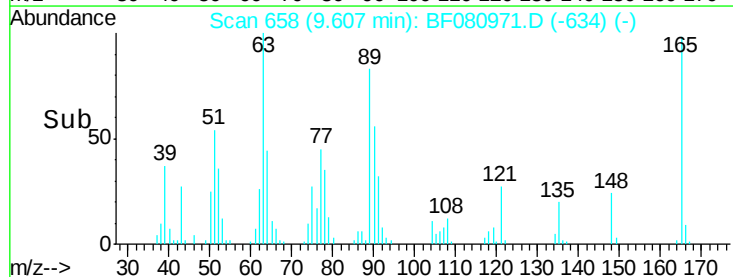
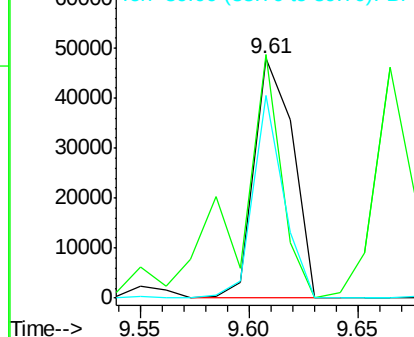


#50
2,6-Dinitrotoluene
Concen: 25.44 ng
RT: 9.61 min Scan# 658
Delta R.T. -0.02 min
Lab File: BF080971.D
Acq: 11 Aug 2015 20:08

Tgt Ion	Ratio	Resp Lower	Resp Upper
165	100		
63	101.8	77.6	116.4
89	84.9	64.5	96.7



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0





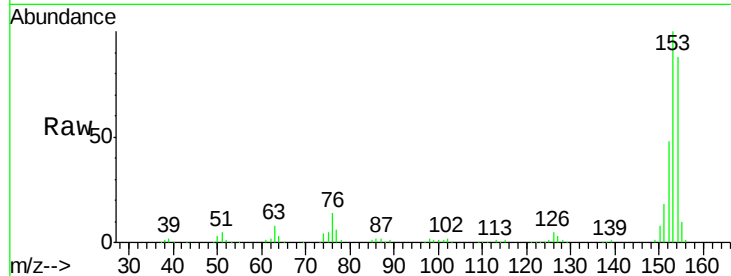
#51
Acenaphthene
Concen: 29.08 ng
RT: 9.86 min Scan# 680
Delta R.T. -0.02 min
Lab File: BF080971.D
Acq: 11 Aug 2015 20:08

Instrument :
BNA_F
ClientSampleId :
SOIL-2MS

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	283865		
153	114.1	91.4	137.2	
152	54.5	44.2	66.4	

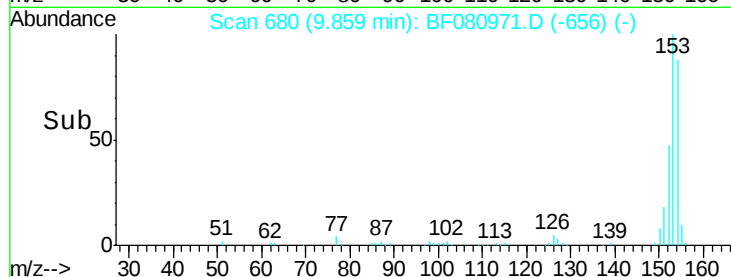
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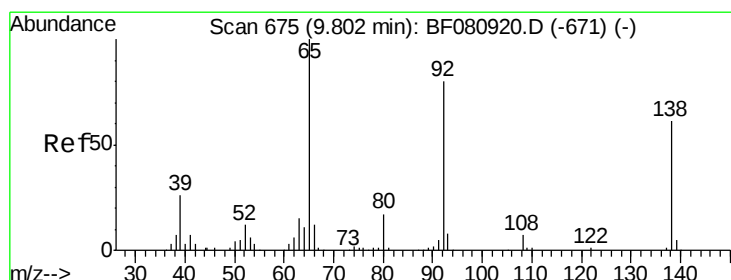


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

9.86

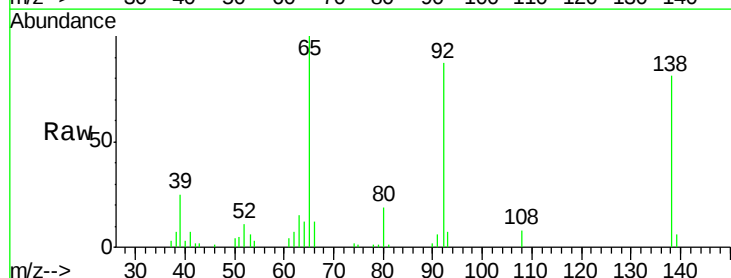


Time-->



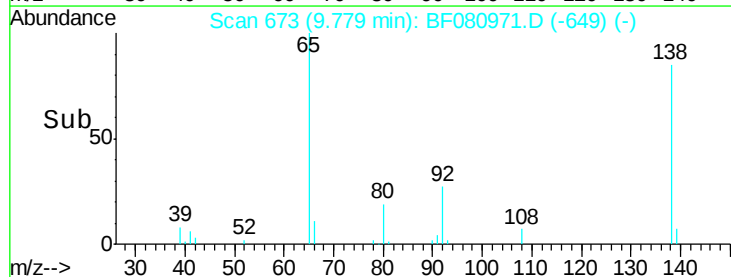
#52
3-Nitroaniline
Concen: 7.97 ng
RT: 9.78 min Scan# 673
Delta R.T. -0.02 min
Lab File: BF080971.D
Acq: 11 Aug 2015 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	23109		
108	9.8	8.7	13.1	
92	107.0	104.4	156.6	

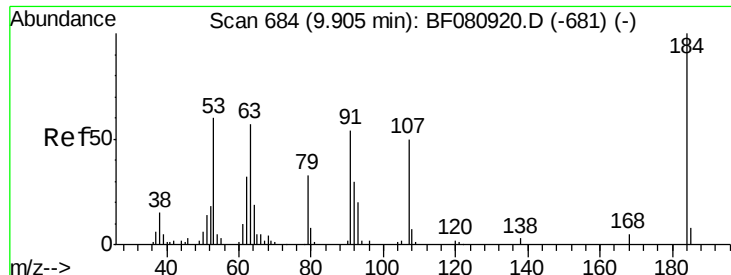


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF0

9.78



Time-->



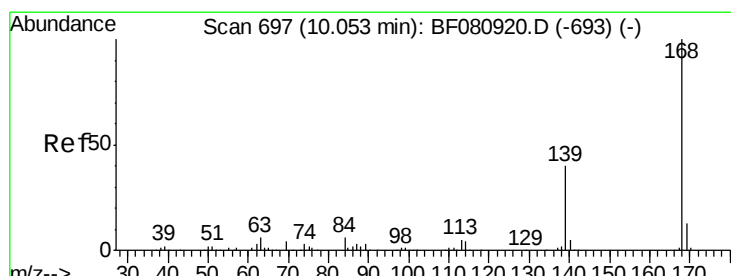
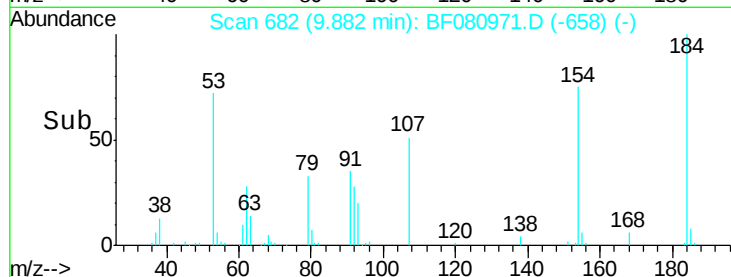
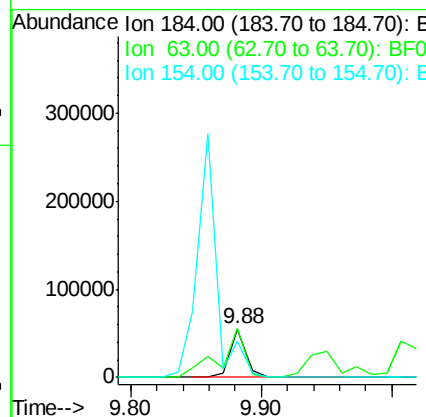
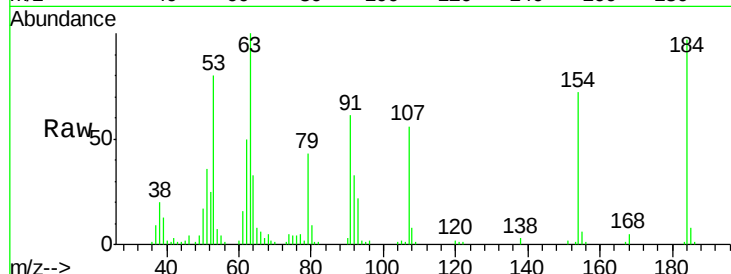
#53
2,4-Dinitrophenol
Concen: 37.07 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.02 min
Lab File: BF080971.D
Acq: 11 Aug 2015 20:08

Instrument :
BNA_F
ClientSampleId :
SOIL-2MS

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	47846		
63	103.5	59.7	89.5#	
154	74.8	53.8	80.8	

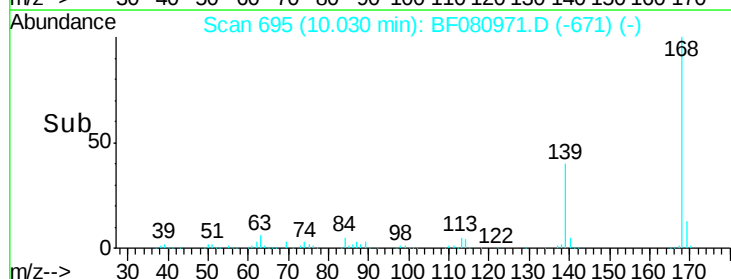
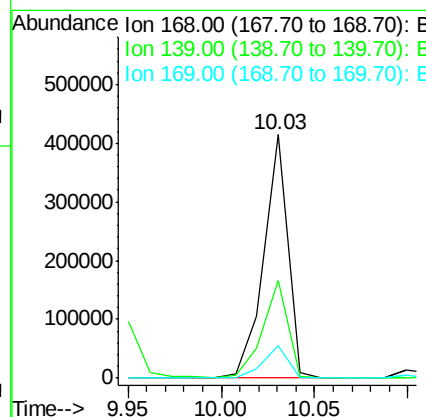
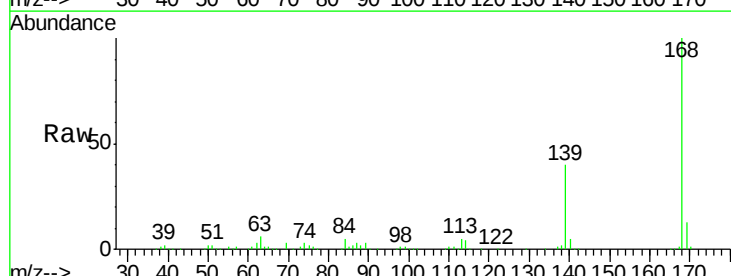
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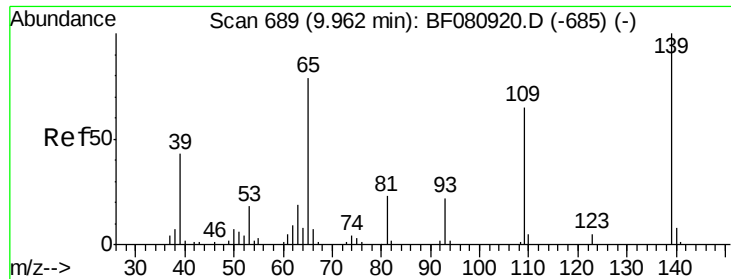
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#54
Dibenzofuran
Concen: 27.89 ng
RT: 10.03 min Scan# 695
Delta R.T. -0.02 min
Lab File: BF080971.D
Acq: 11 Aug 2015 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	368057		
139	40.4	31.9	47.9	
169	13.3	10.6	15.8	





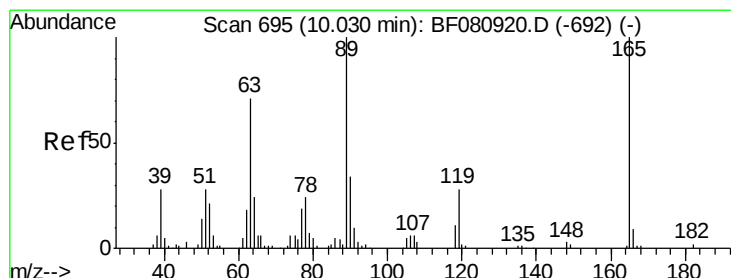
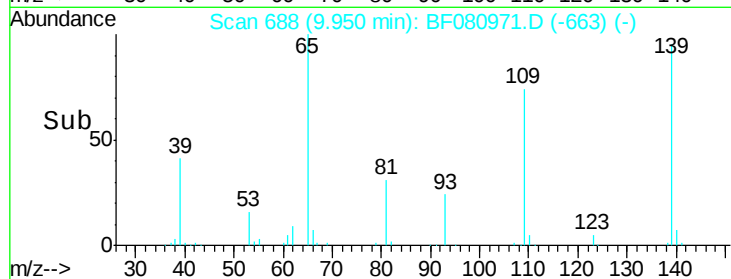
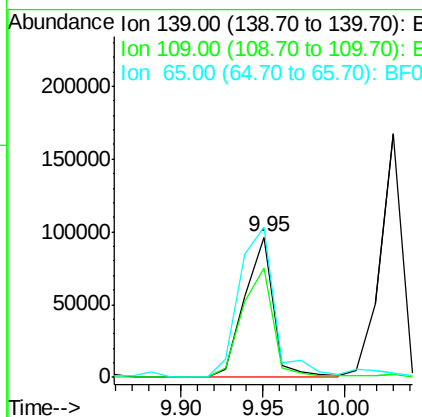
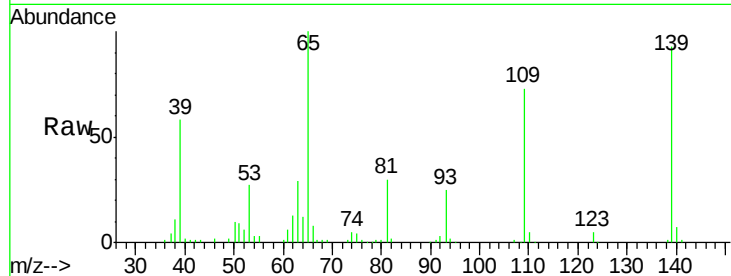
#55
 4-Nitrophenol
 Concen: 54.87 ng
 RT: 9.95 min Scan# 688
 Delta R.T. -0.01 min
 Lab File: BF080971.D
 Acq: 11 Aug 2015 20:08

Instrument :
 BNA_F
 ClientSampled :
 SOIL-2MS

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	119056		
109	77.7	44.7	84.7	
65	107.0	59.5	99.5	

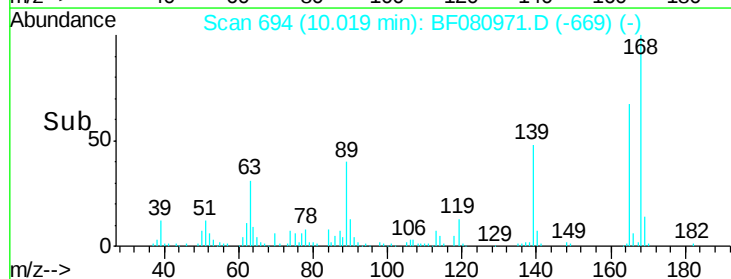
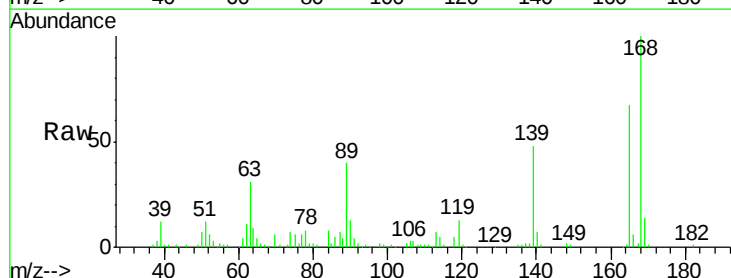
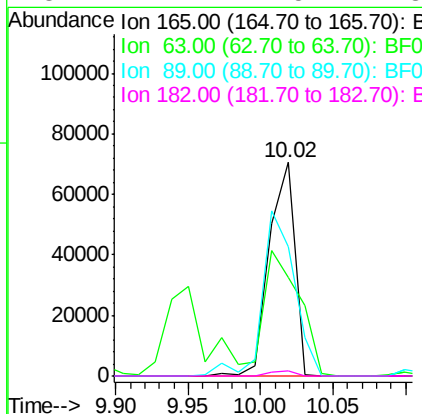
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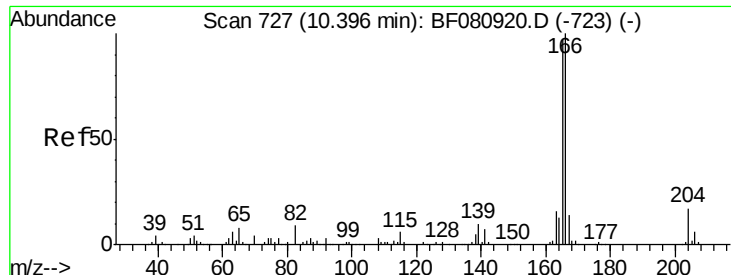
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#56
 2,4-Dinitrotoluene
 Concen: 27.59 ng
 RT: 10.02 min Scan# 694
 Delta R.T. -0.01 min
 Lab File: BF080971.D
 Acq: 11 Aug 2015 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	86781		
63	46.4	56.7	85.1	#
89	60.6	80.4	120.6	#
182	2.2	1.5	2.3	





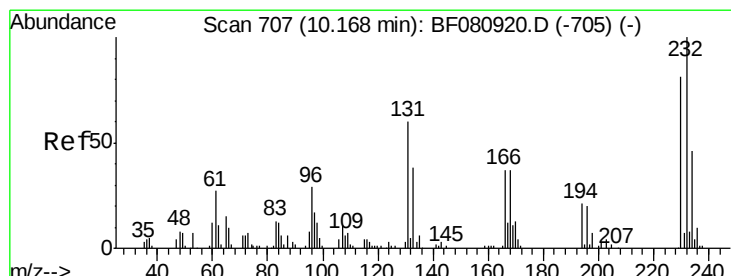
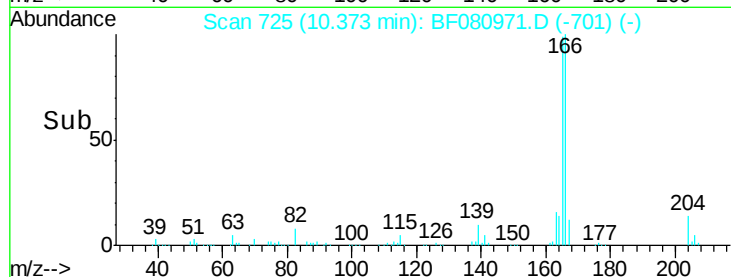
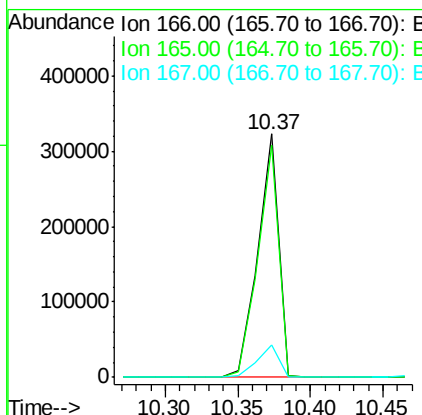
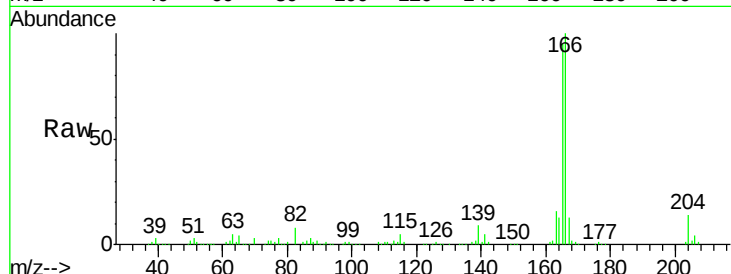
#57
Fluorene
 Concen: 31.56 ng
 RT: 10.37 min Scan# 725
 Delta R.T. -0.02 min
 Lab File: BF080971.D
 Acq: 11 Aug 2015 20:08

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MS

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	322236		
165	95.2	77.2	115.8	
167	13.4	10.8	16.2	

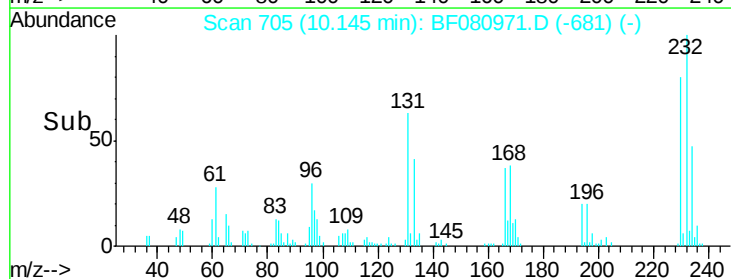
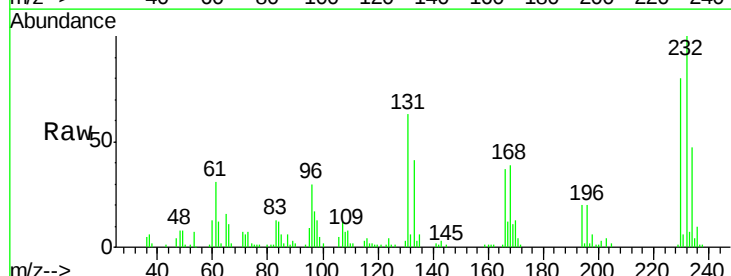
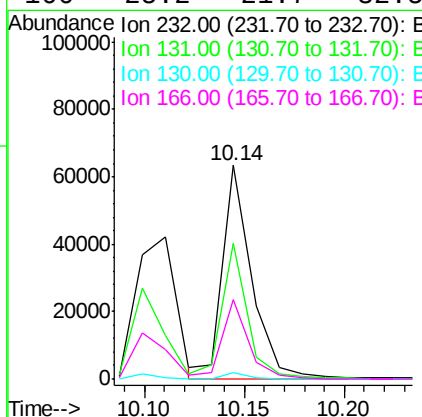
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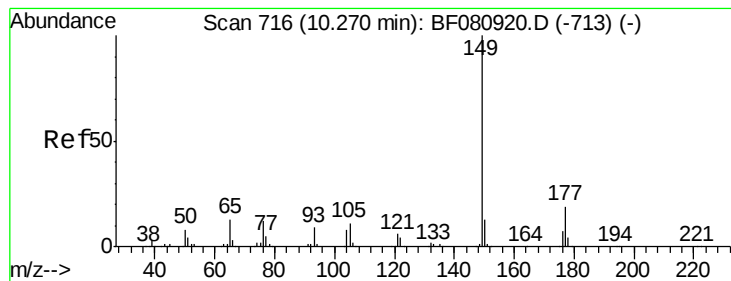
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#58
2,3,4,6-Tetrachlorophenol
 Concen: 26.38 ng m
 RT: 10.14 min Scan# 705
 Delta R.T. -0.02 min
 Lab File: BF080971.D
 Acq: 11 Aug 2015 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	65130		
131	44.9	39.4	59.2	
130	2.2	2.1	3.1	
166	25.2	21.7	32.5	





#59

Diethylphthalate

Concen: 25.49 ng

RT: 10.26 min Scan# 715

Delta R.T. -0.01 min

Lab File: BF080971.D

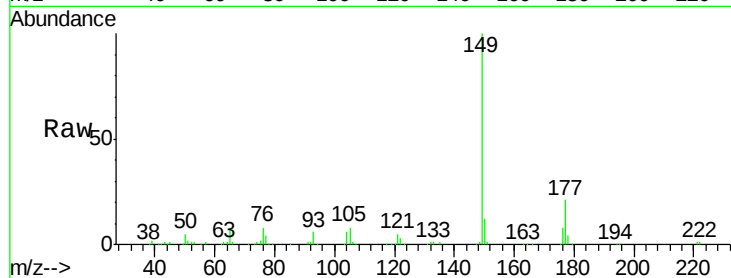
Acq: 11 Aug 2015 20:08

Instrument :

BNA_F

ClientSampleId :

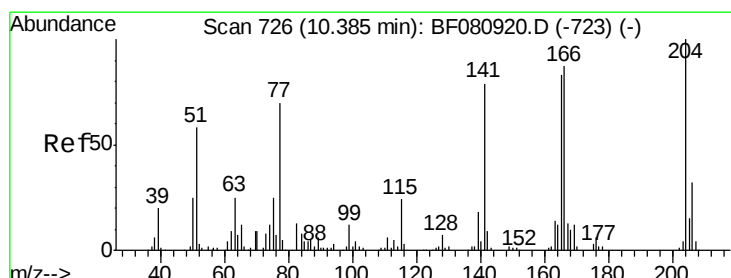
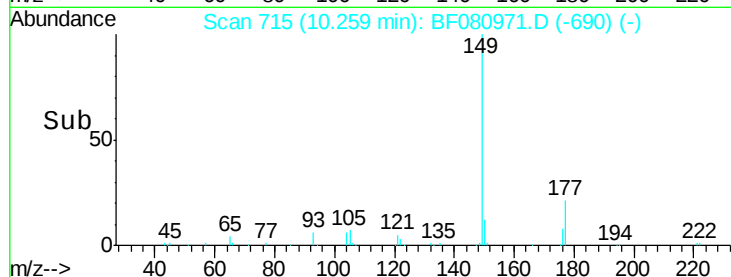
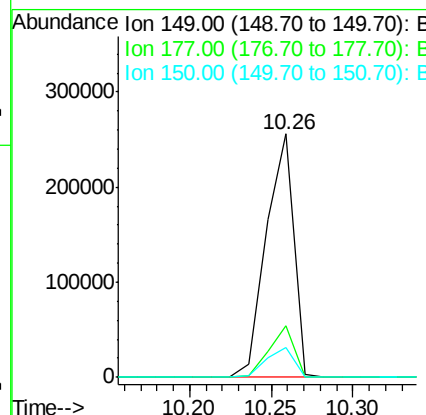
SOIL-2MS



Tgt Ion:	149	Resp:	301895
Ion Ratio	Lower	Upper	
149	100		
177	21.1	15.0	22.4
150	12.0	10.4	15.6

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#60

4-Chlorophenyl-phenylether

Concen: 25.67 ng

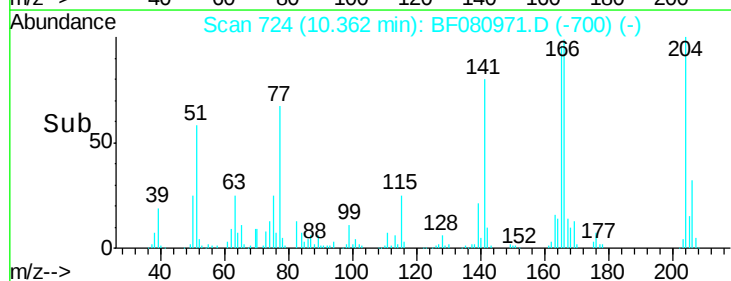
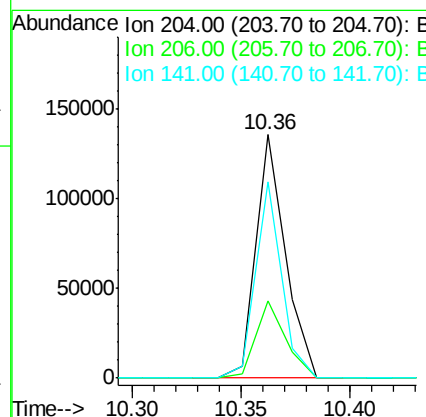
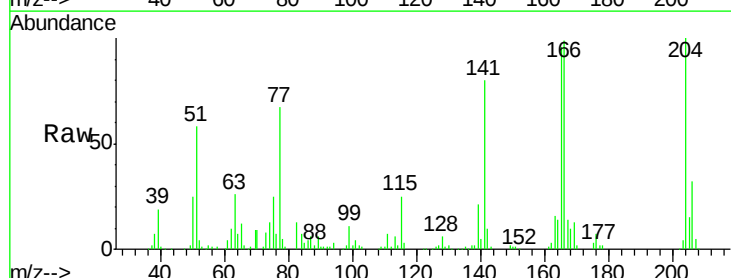
RT: 10.36 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

Tgt Ion:	204	Resp:	127721
Ion Ratio	Lower	Upper	
204	100		
206	31.8	25.5	38.3
141	80.5	63.4	95.0





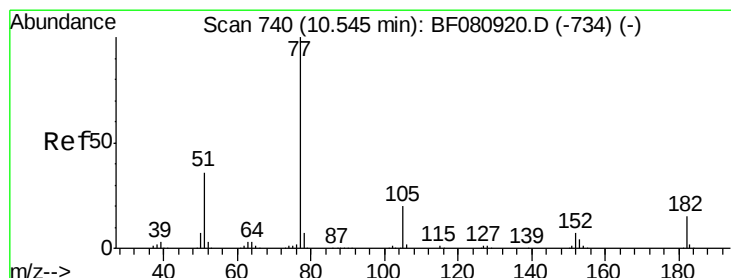
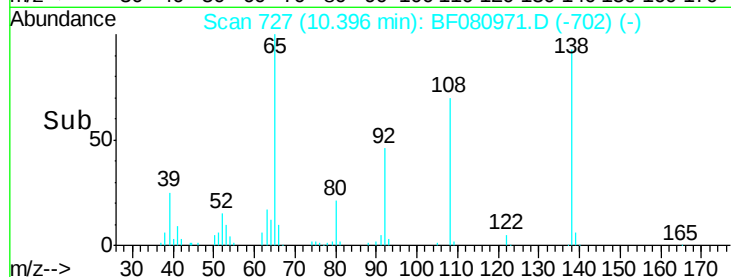
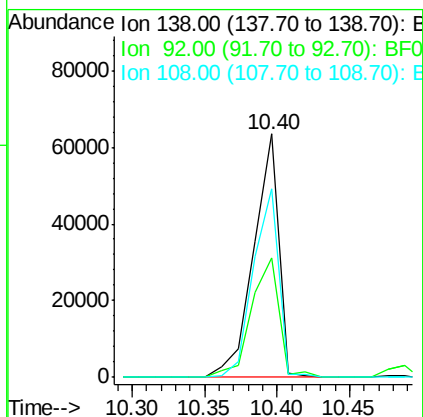
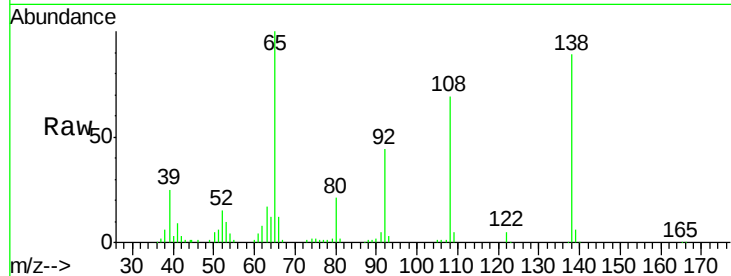
#61
4-Nitroaniline
Concen: 25.49 ng
RT: 10.40 min Scan# 727
Delta R.T. -0.01 min
Lab File: BF080971.D
Acq: 11 Aug 2015 20:08

Instrument :
BNA_F
ClientSampleId :
SOIL-2MS

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	76008		
92	49.1	38.1	78.1	
108	77.5	59.9	99.9	

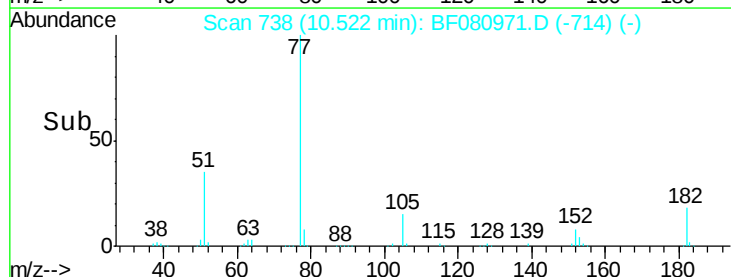
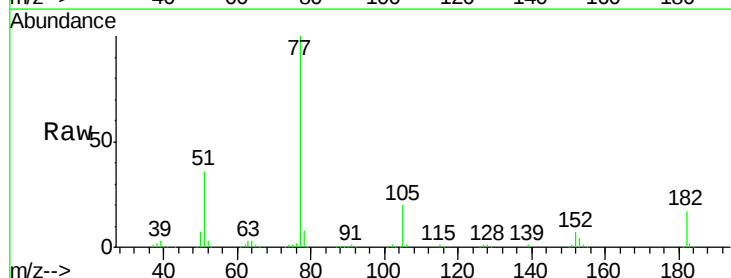
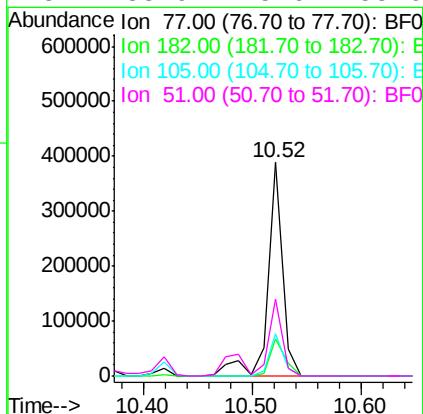
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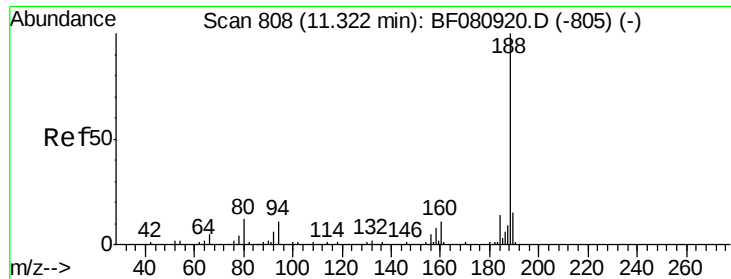
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#62
Azobenzene
Concen: 28.17 ng
RT: 10.52 min Scan# 738
Delta R.T. -0.02 min
Lab File: BF080971.D
Acq: 11 Aug 2015 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	373177		
182	17.2	0.0	35.5	
105	20.0	0.5	40.5	
51	35.9	15.6	55.6	





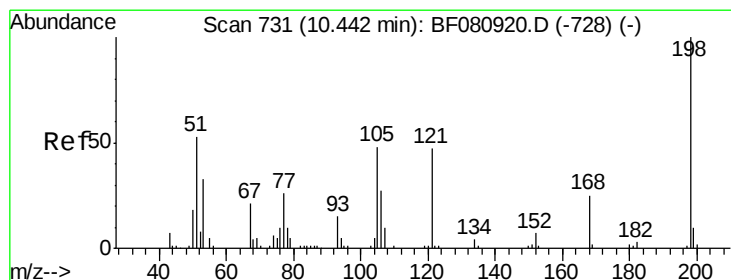
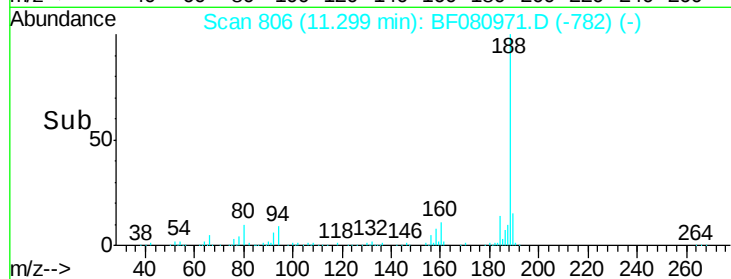
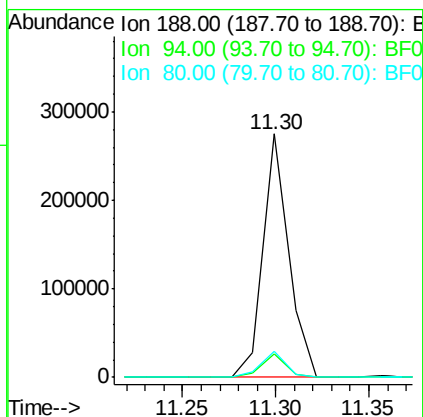
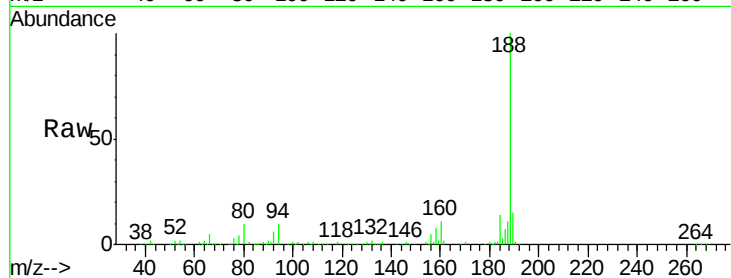
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 806
Delta R.T. -0.02 min
Lab File: BF080971.D
Acq: 11 Aug 2015 20:08

Instrument :
BNA_F
ClientSampleId :
SOIL-2MS

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	261157		
94	9.6	8.8	13.2	
80	10.4	9.5	14.3	

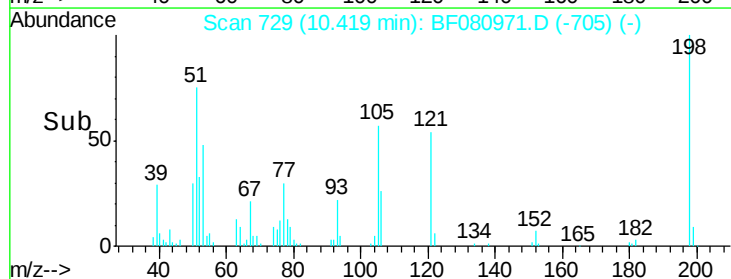
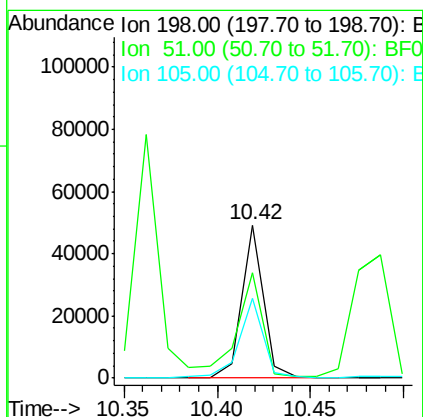
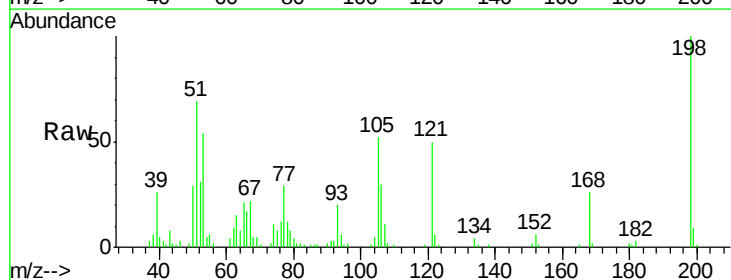
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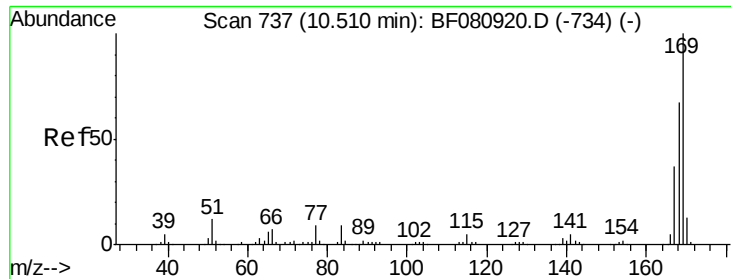
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#64
4,6-Dinitro-2-methylphenol
Concen: 24.82 ng
RT: 10.42 min Scan# 729
Delta R.T. -0.02 min
Lab File: BF080971.D
Acq: 11 Aug 2015 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	40172		
51	68.7	40.3	80.3	
105	52.4	29.6	69.6	





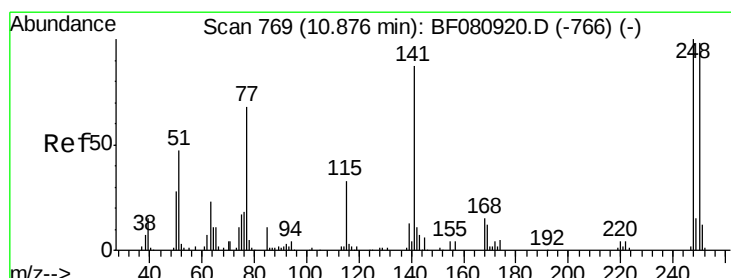
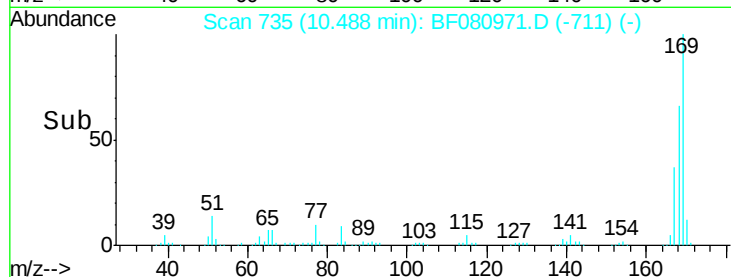
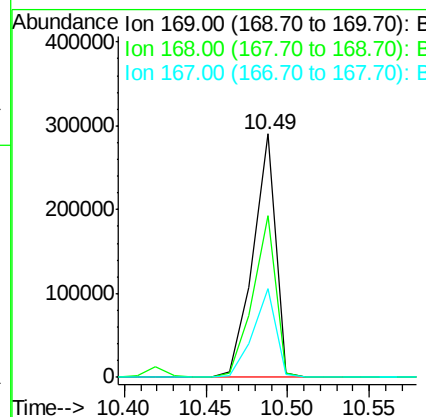
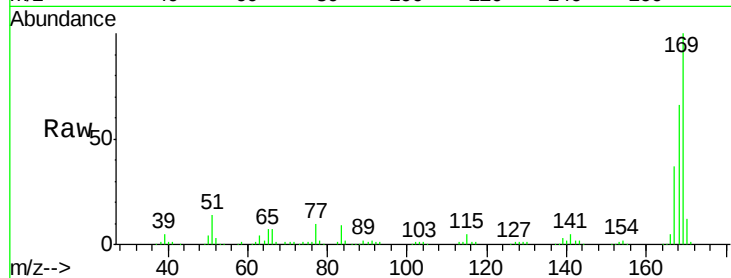
#65
n-Nitrosodiphenylamine
Concen: 31.00 ng
RT: 10.49 min Scan# 735
Delta R.T. -0.02 min
Lab File: BF080971.D
Acq: 11 Aug 2015 20:08

Instrument :
BNA_F
ClientSampleId :
SOIL-2MS

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	281248		
168	66.3	53.7	80.5	
167	36.6	29.3	43.9	

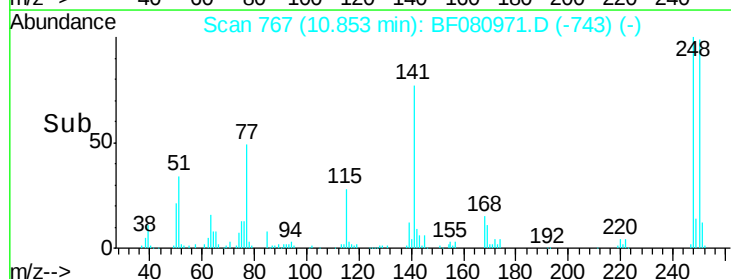
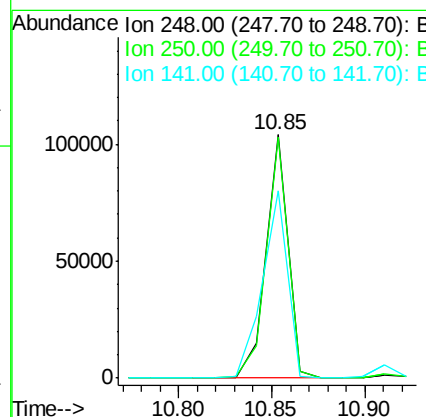
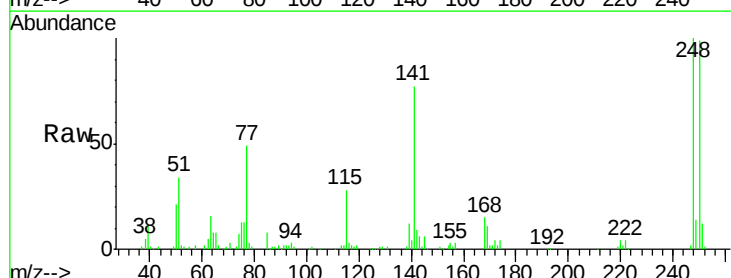
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#66
4-Bromophenyl-phenylether
Concen: 30.44 ng
RT: 10.85 min Scan# 767
Delta R.T. -0.02 min
Lab File: BF080971.D
Acq: 11 Aug 2015 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	84210		
250	98.8	78.1	117.1	
141	77.2	69.6	104.4	





#67

Hexachlorobenzene

Concen: 26.25 ng

RT: 10.91 min Scan# 772

Delta R.T. -0.03 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

Instrument :

BNA_F

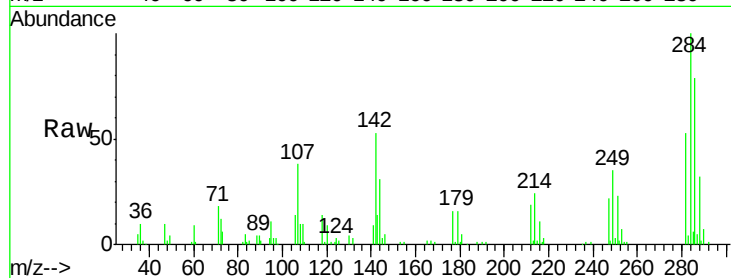
ClientSampleId :

SOIL-2MS

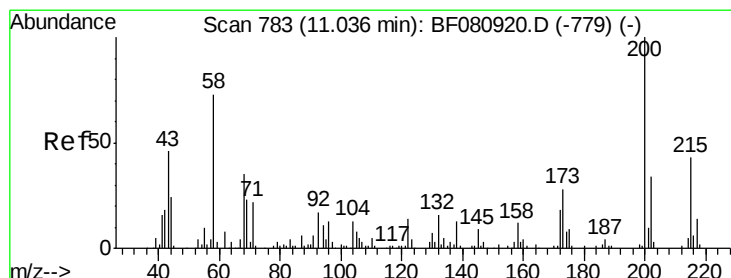
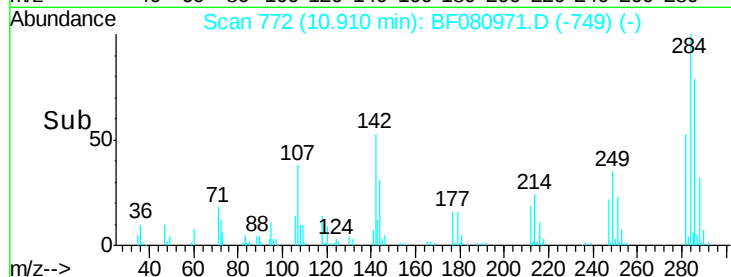
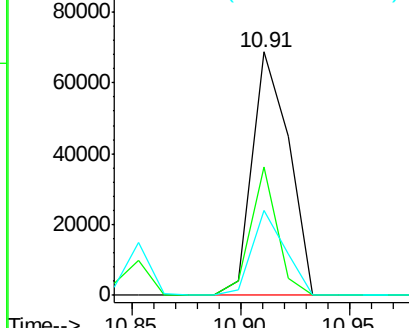
Tgt Ion:	284	Resp:	80736
Ion Ratio	Lower	Upper	
284	100		
142	52.8	12.8	19.2#
249	34.9	22.5	33.7#

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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: 31.97 ng

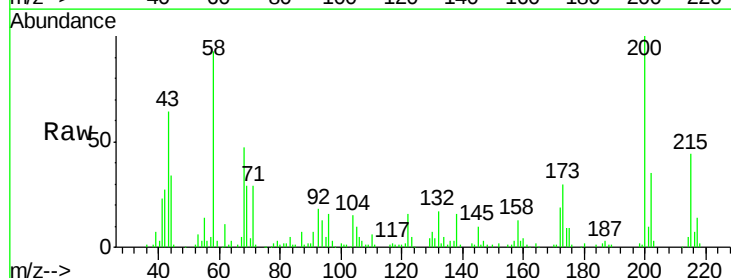
RT: 11.01 min Scan# 781

Delta R.T. -0.02 min

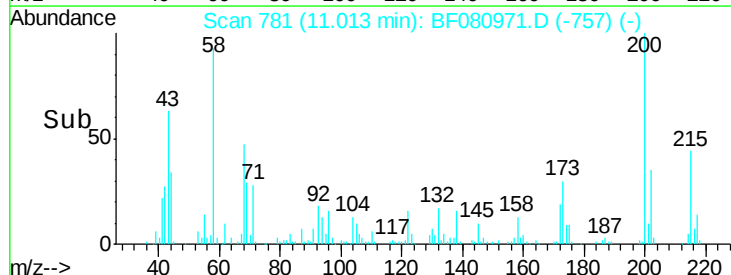
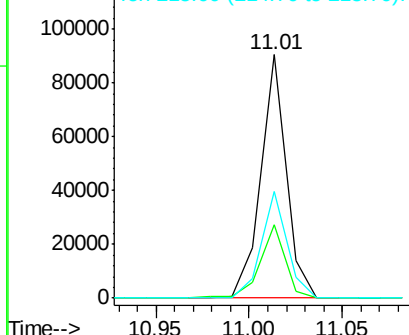
Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

Tgt Ion:	200	Resp:	85034
Ion Ratio	Lower	Upper	
200	100		
173	30.2	8.4	48.4
215	43.8	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





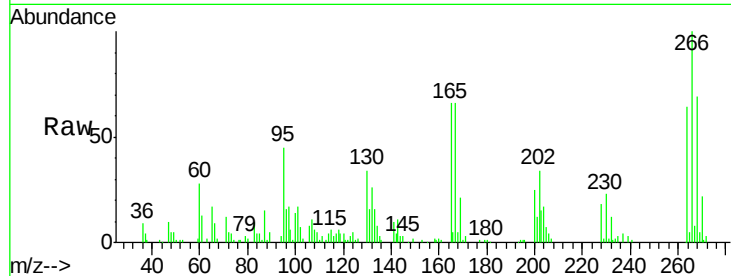
#69
 Pentachlorophenol
 Concen: 57.59 ng
 RT: 11.10 min Scan# 789
 Delta R.T. -0.02 min
 Lab File: BF080971.D
 Acq: 11 Aug 2015 20:08

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MS

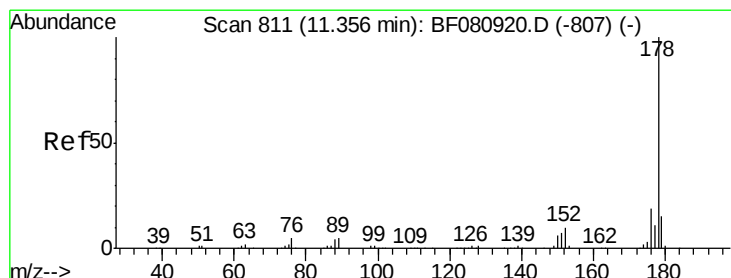
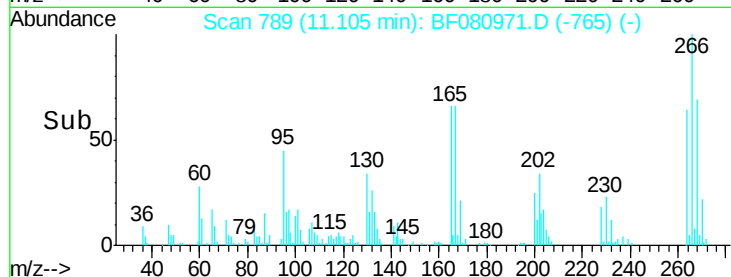
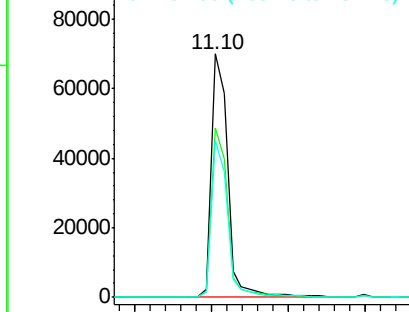
Tgt Ion	Ratio	Resp	Lower	Upper
266	100	102975		
268	69.3	51.6	77.4	
264	64.4	50.1	75.1	

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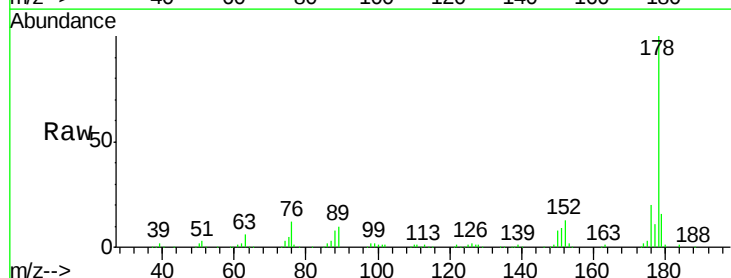


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

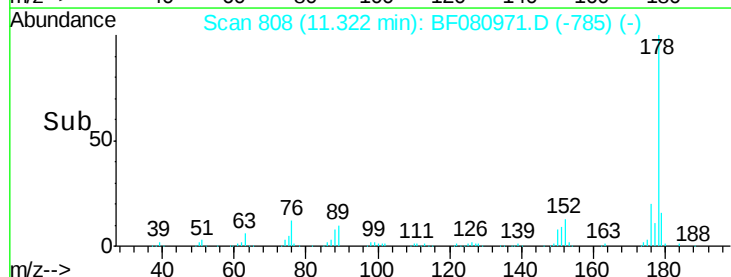
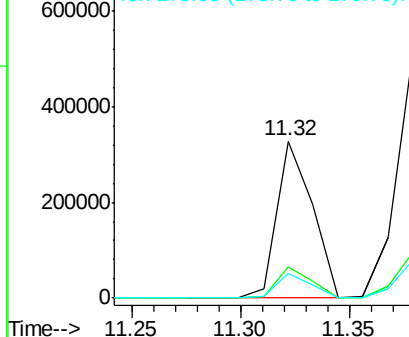


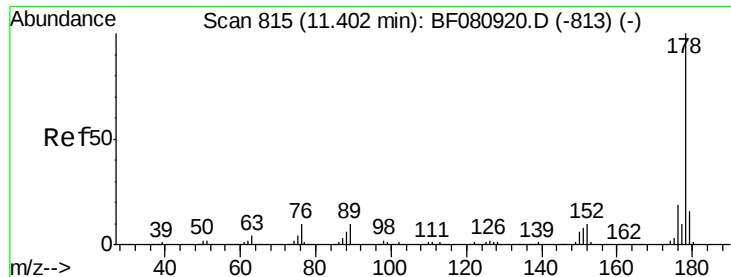
#70
 Phenanthrene
 Concen: 25.27 ng
 RT: 11.32 min Scan# 808
 Delta R.T. -0.03 min
 Lab File: BF080971.D
 Acq: 11 Aug 2015 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	373643		
176	20.0	15.6	23.4	
179	16.0	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





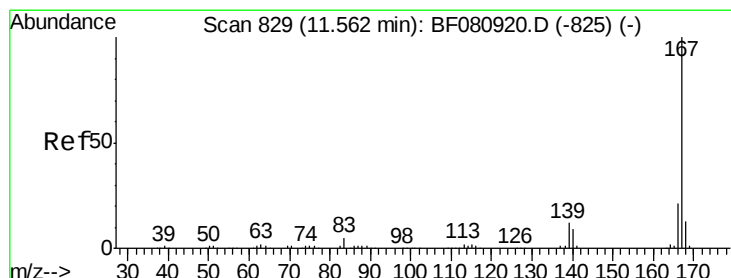
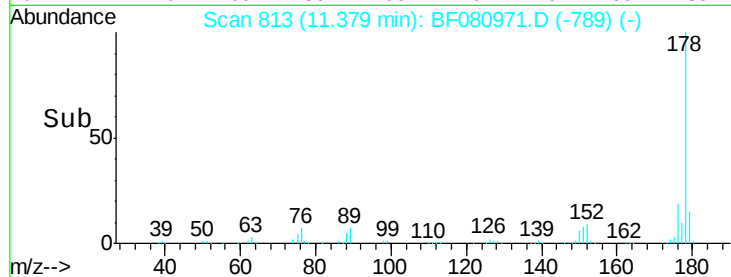
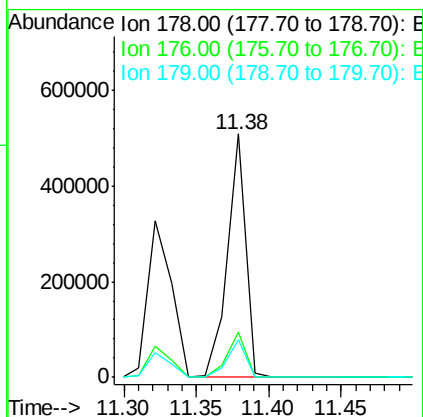
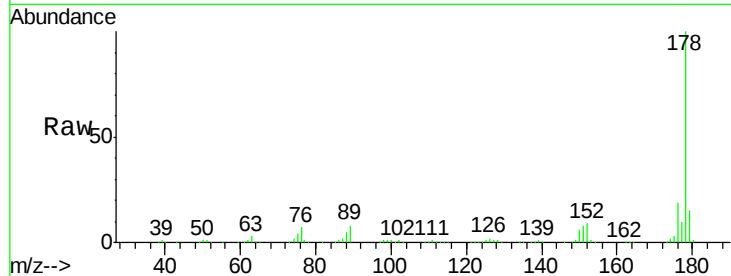
#71
 Anthracene
 Concen: 30.54 ng
 RT: 11.38 min Scan# 813
 Delta R.T. -0.02 min
 Lab File: BF080971.D
 Acq: 11 Aug 2015 20:08

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MS

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	447176		
176	18.7	15.5	23.3	
179	15.3	12.6	18.8	

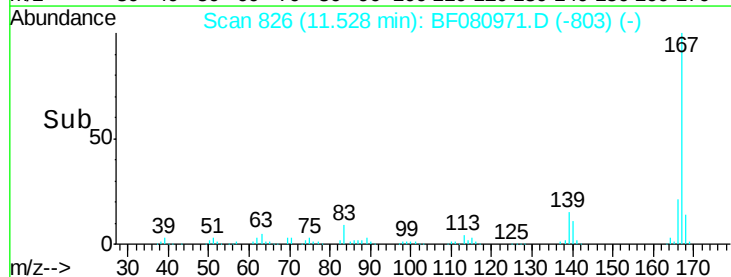
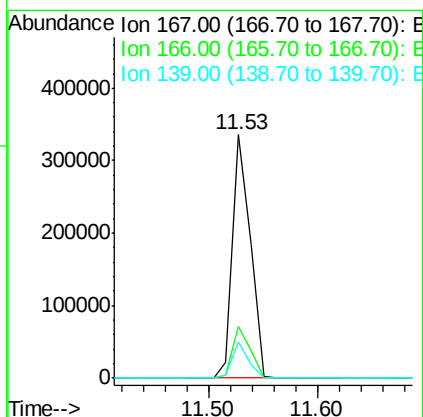
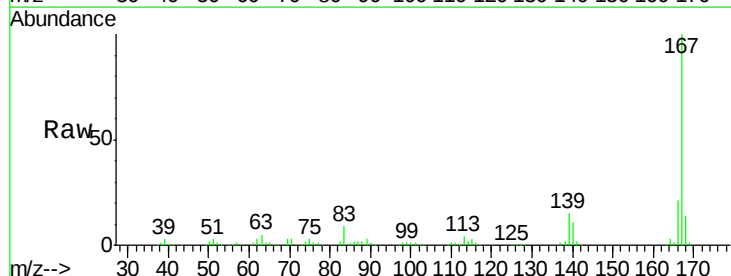
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#72
 Carbazole
 Concen: 26.33 ng
 RT: 11.53 min Scan# 826
 Delta R.T. -0.03 min
 Lab File: BF080971.D
 Acq: 11 Aug 2015 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
167	100	375382		
166	21.3	17.1	25.7	
139	15.0	9.2	13.8	





#73

Di-n-butylphthalate

Concen: 29.67 ng

RT: 11.87 min Scan# 856

Delta R.T. -0.02 min

Lab File: BF080971.D

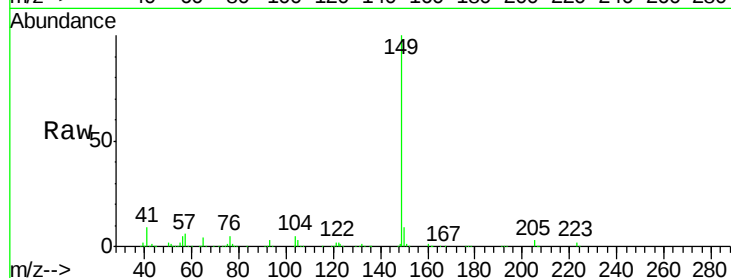
Acq: 11 Aug 2015 20:08

Instrument :

BNA_F

ClientSampleId :

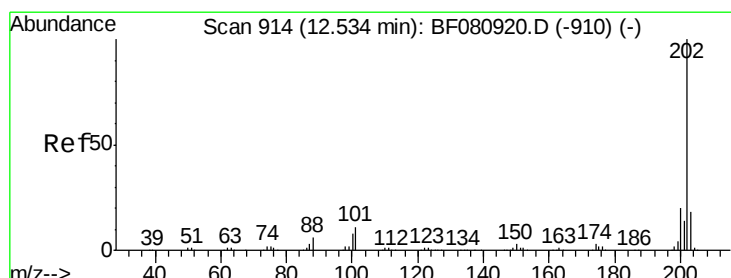
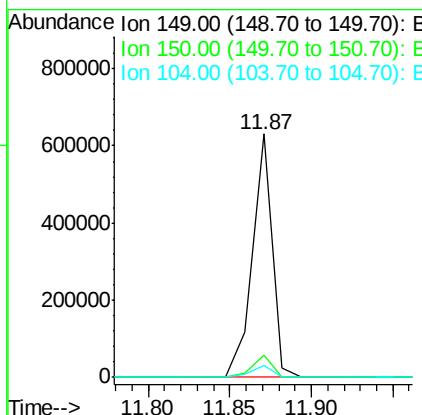
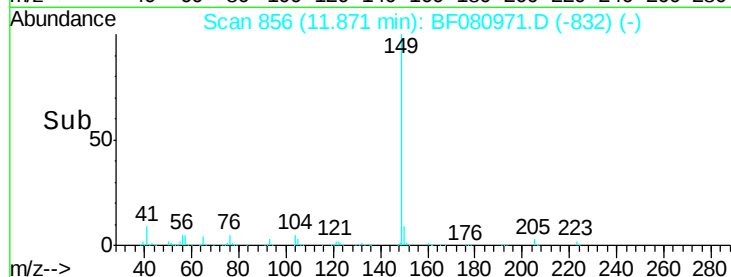
SOIL-2MS



Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
150	9.3	7.6	11.4	
104	5.1	4.4	6.6	

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#74

Fluoranthene

Concen: 29.59 ng

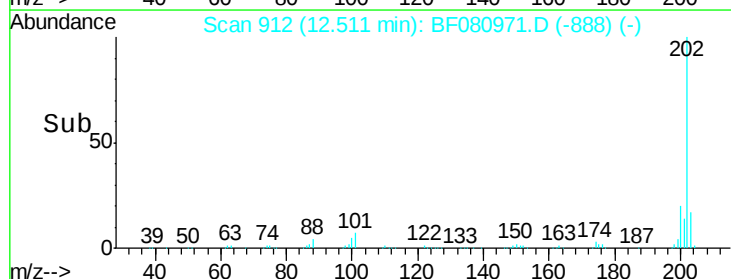
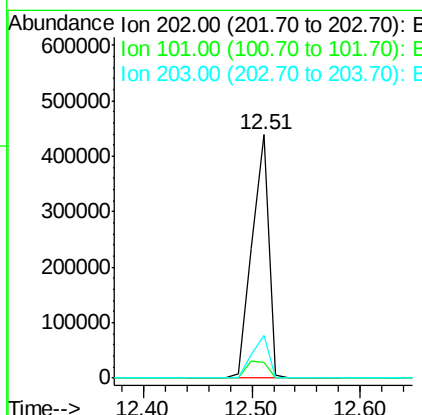
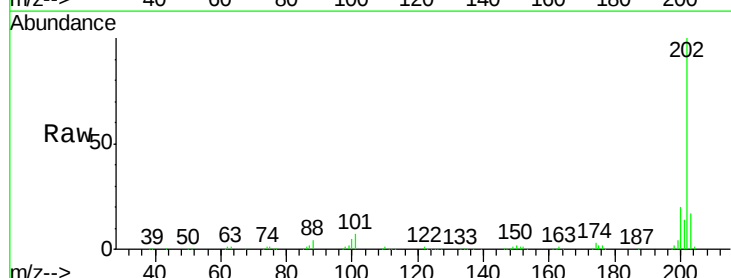
RT: 12.51 min Scan# 912

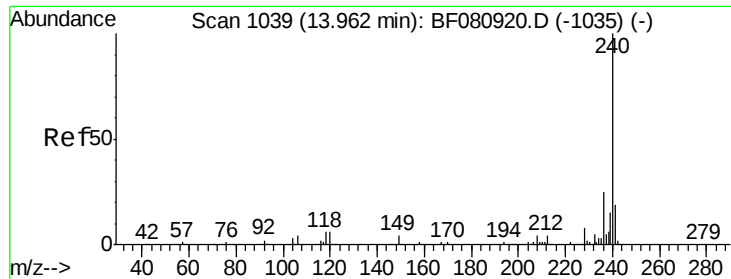
Delta R.T. -0.02 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
101	6.5	0.0	30.5	
203	17.5	0.0	37.7	





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 1036

Delta R.T. -0.03 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

Instrument :

BNA_F

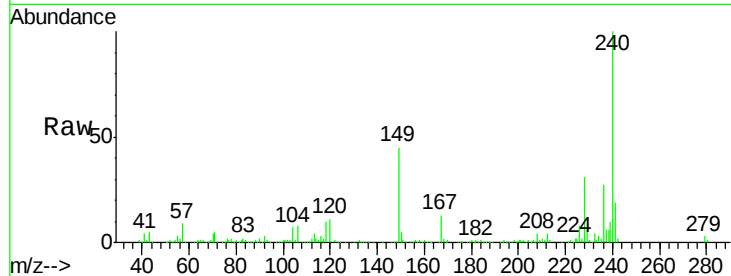
ClientSampleId :

SOIL-2MS

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	224898		
120	11.3	5.2	7.8#	
236	26.6	20.2	30.4	

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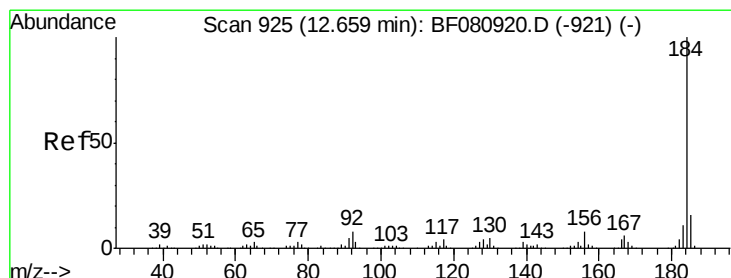
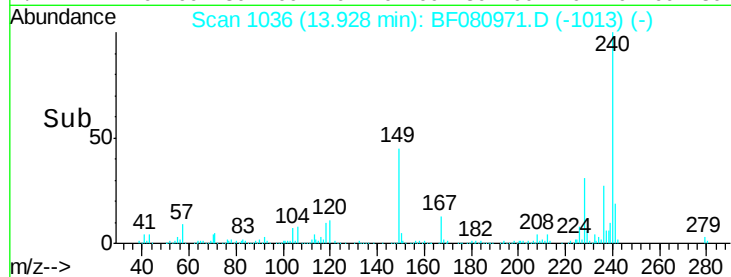
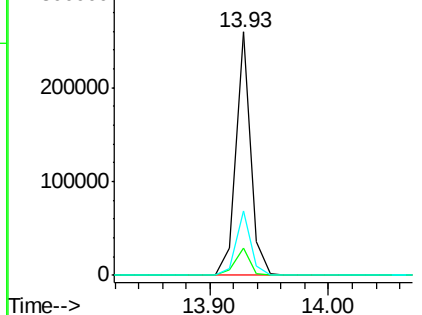
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 10.81 ng

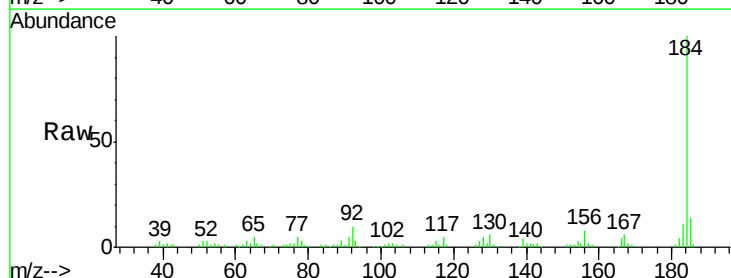
RT: 12.62 min Scan# 922

Delta R.T. -0.03 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

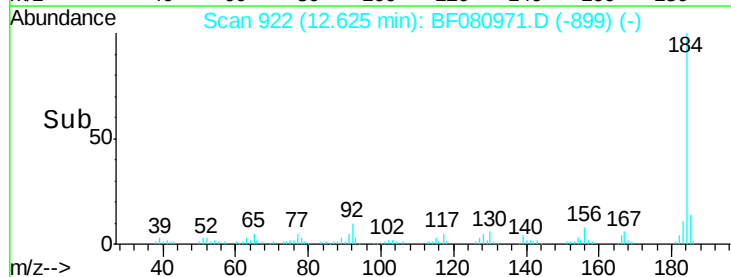
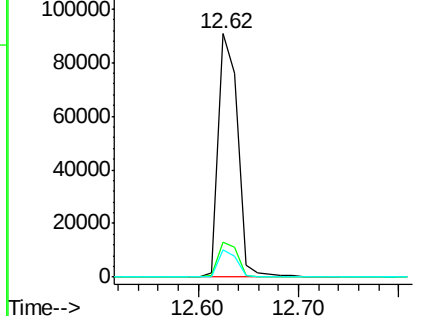
Tgt Ion	Ratio	Resp	Lower	Upper
184	100	121575		
185	14.5	13.0	19.4	
183	11.0	8.7	13.1	

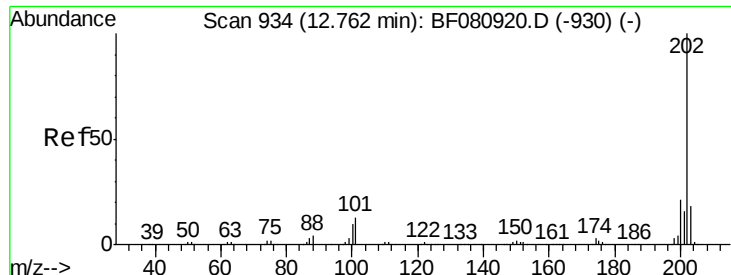


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





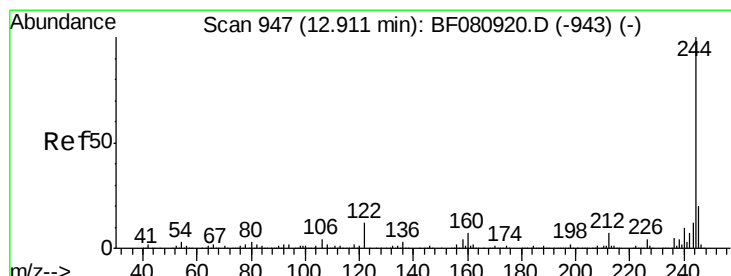
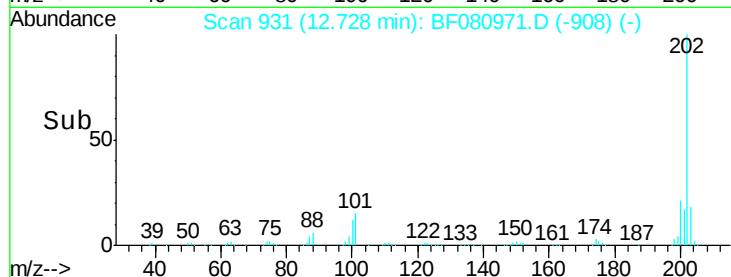
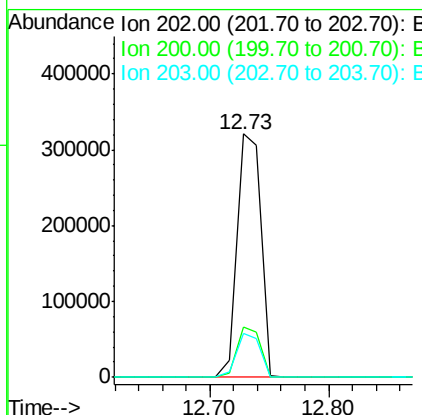
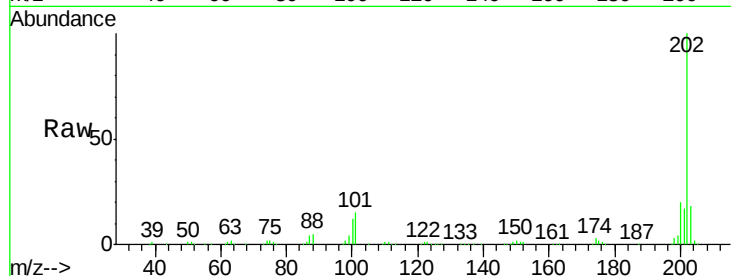
#77
 Pyrene
 Concen: 27.05 ng
 RT: 12.73 min Scan# 931
 Delta R.T. -0.03 min
 Lab File: BF080971.D
 Acq: 11 Aug 2015 20:08

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MS

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	449340		
200	20.4	16.6	24.8	
203	18.1	14.2	21.2	

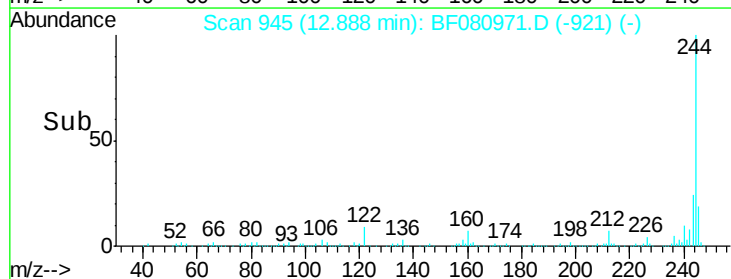
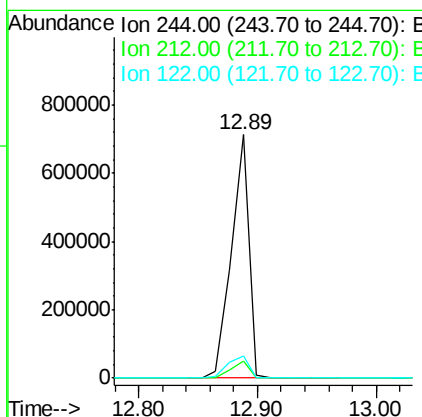
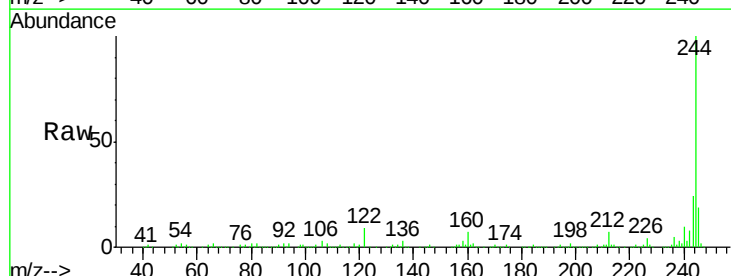
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#78
 Terphenyl-d14
 Concen: 66.97 ng
 RT: 12.89 min Scan# 945
 Delta R.T. -0.02 min
 Lab File: BF080971.D
 Acq: 11 Aug 2015 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	729145		
212	7.1	5.8	8.8	
122	9.3	9.4	14.2#	





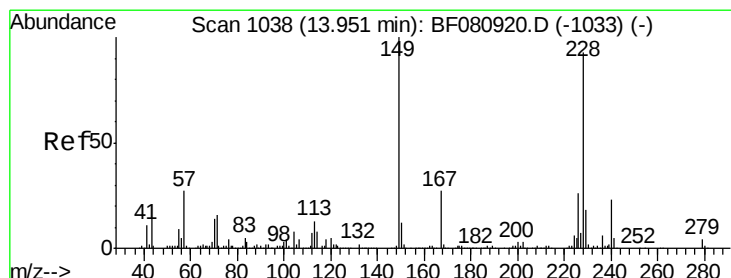
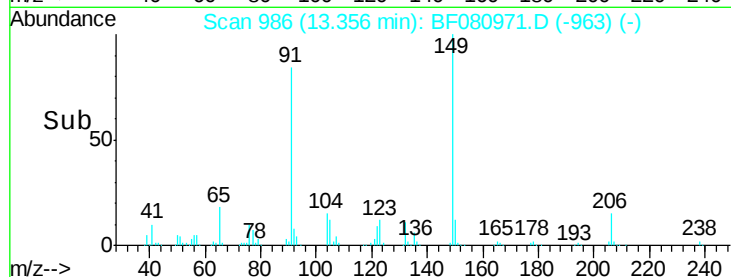
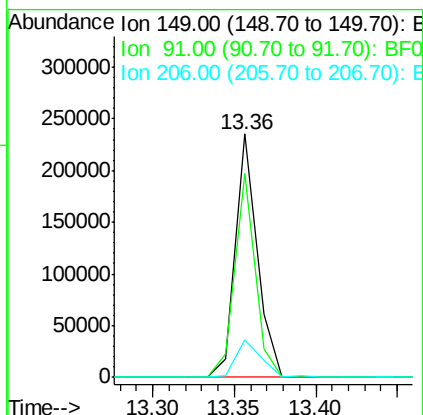
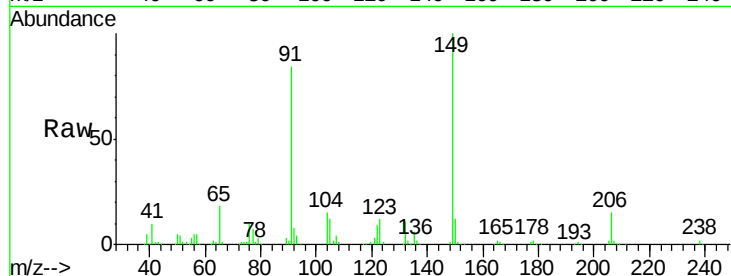
#79
Butylbenzylphthalate
Concen: 27.03 ng
RT: 13.36 min Scan# 986
Delta R.T. -0.03 min
Lab File: BF080971.D
Acq: 11 Aug 2015 20:08

Instrument :
BNA_F
ClientSampleId :
SOIL-2MS

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	216464		
91	83.7	47.2	70.8#	
206	15.4	16.5	24.7#	

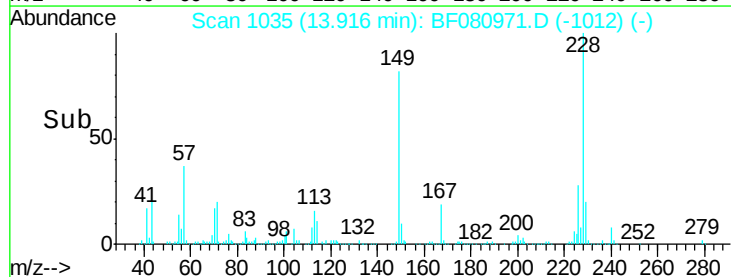
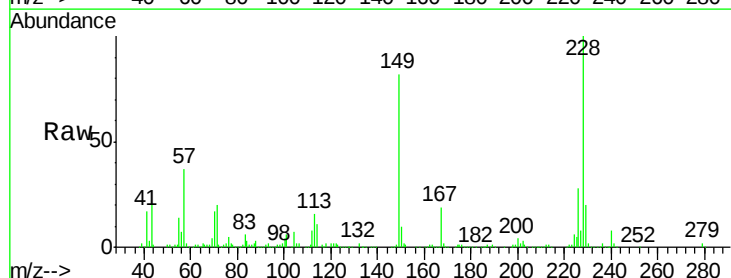
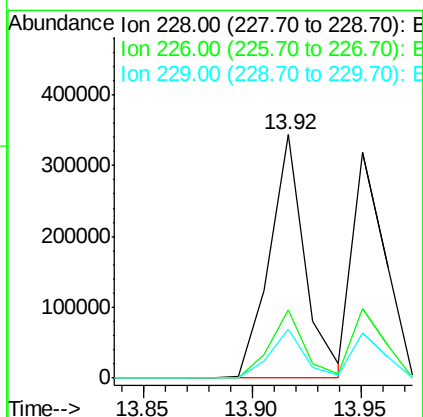
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#80
Benzo(a)anthracene
Concen: 27.52 ng
RT: 13.92 min Scan# 1035
Delta R.T. -0.03 min
Lab File: BF080971.D
Acq: 11 Aug 2015 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	390889		
226	28.1	22.2	33.2	
229	19.9	15.8	23.6	





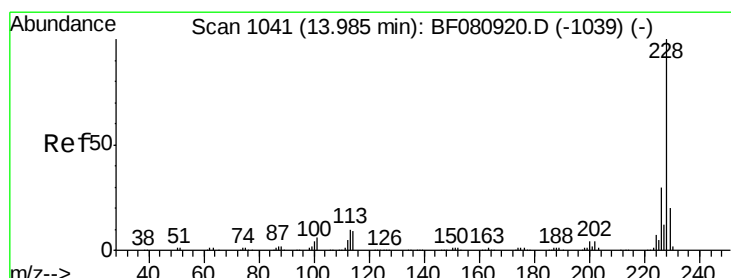
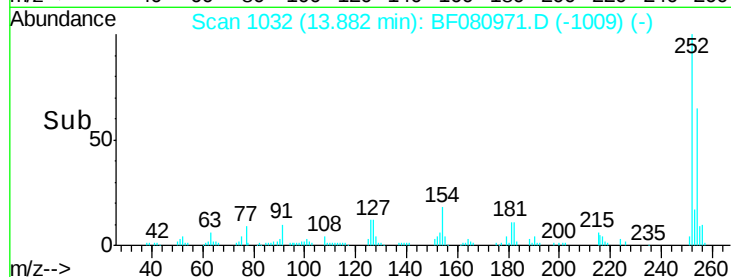
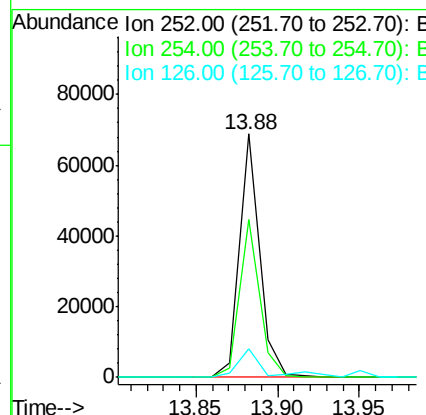
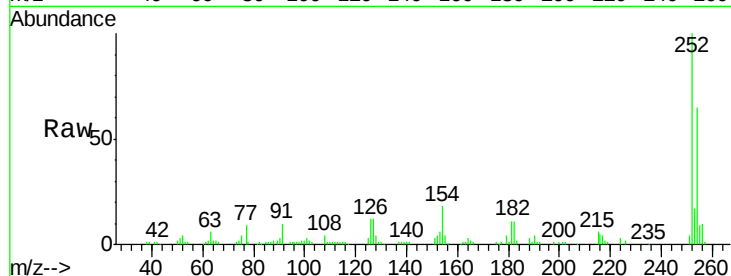
#81
 3,3'-Dichlorobenzidine
 Concen: 11.23 ng
 RT: 13.88 min Scan# 1032
 Delta R.T. -0.03 min
 Lab File: BF080971.D
 Acq: 11 Aug 2015 20:08

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MS

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
254	64.6	51.7	77.5
126	11.7	7.1	10.7

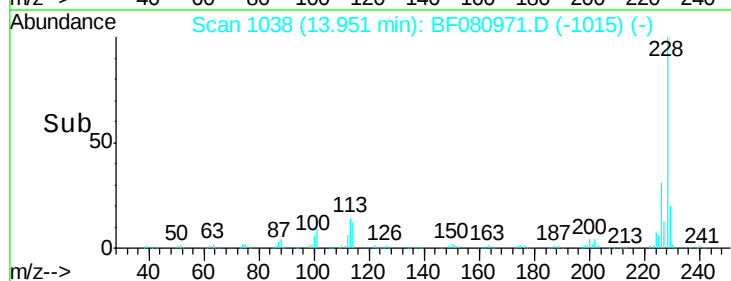
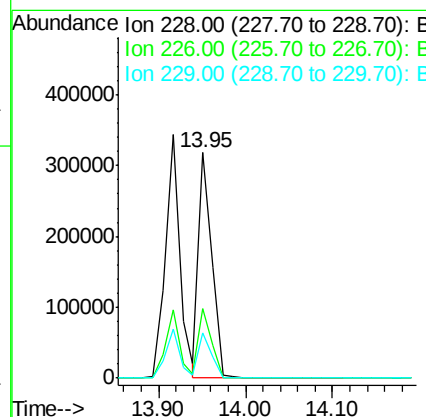
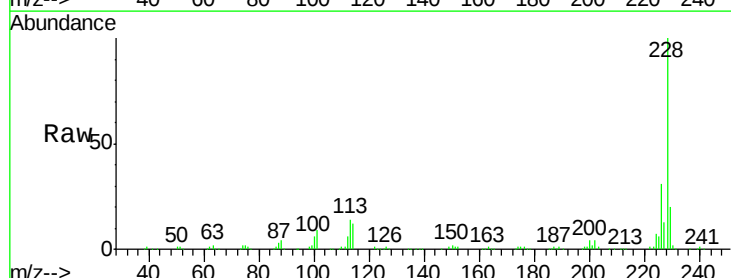
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#82
 Chrysene
 Concen: 24.53 ng
 RT: 13.95 min Scan# 1038
 Delta R.T. -0.03 min
 Lab File: BF080971.D
 Acq: 11 Aug 2015 20:08

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	31.0	23.9	35.9
229	19.8	15.8	23.6





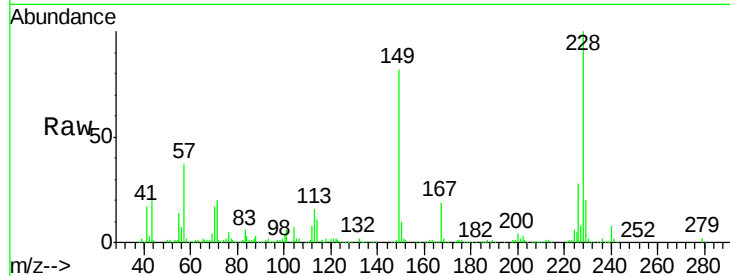
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 25.52 ng
 RT: 13.92 min Scan# 1035
 Delta R.T. -0.03 min
 Lab File: BF080971.D
 Acq: 11 Aug 2015 20:08

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MS

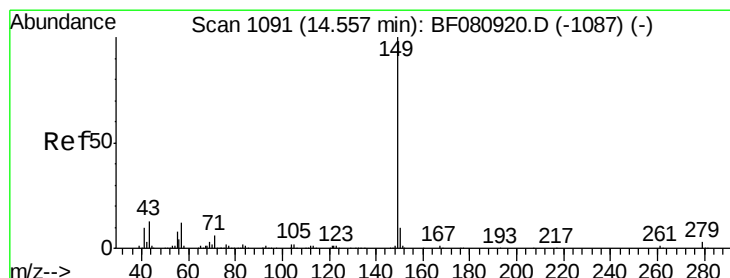
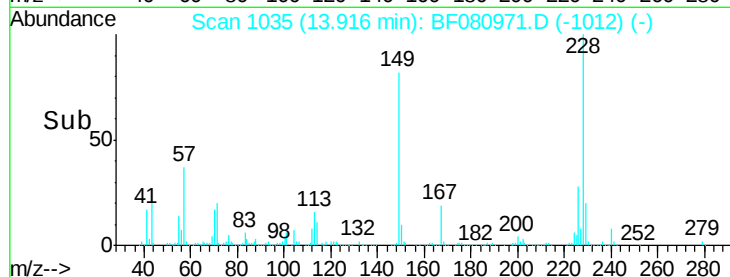
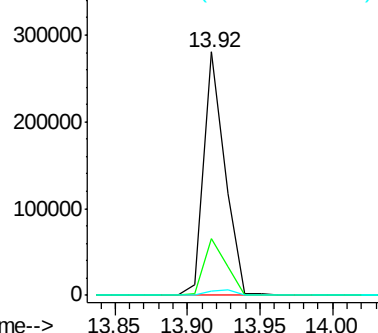
Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	23.6	21.4	32.0
279	1.8	2.9	4.3#

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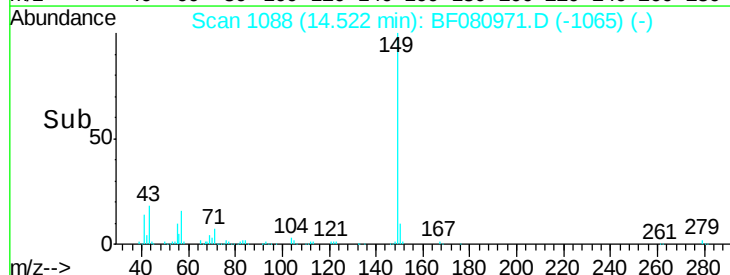
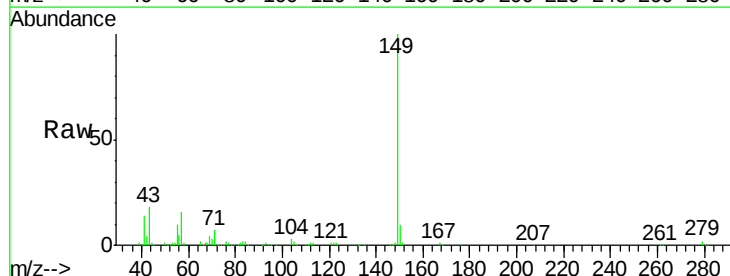
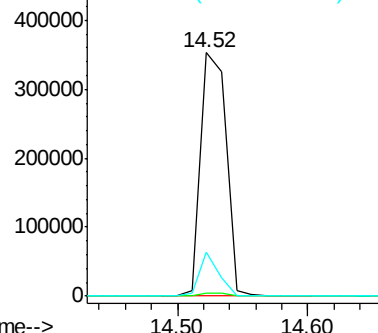
Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

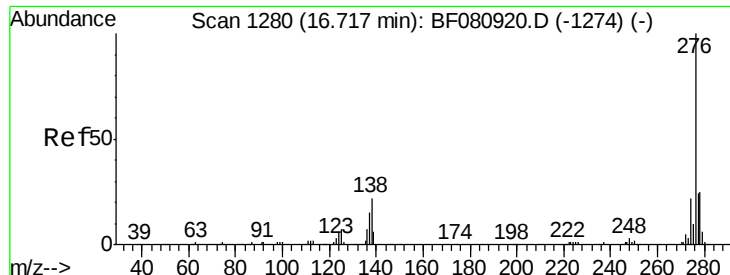


#84
 Di-n-octyl phthalate
 Concen: 25.38 ng
 RT: 14.52 min Scan# 1088
 Delta R.T. -0.03 min
 Lab File: BF080971.D
 Acq: 11 Aug 2015 20:08

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	1.4	1.1	1.7
43	13.9	11.0	16.4

Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 43.00 (42.70 to 43.70): BF0





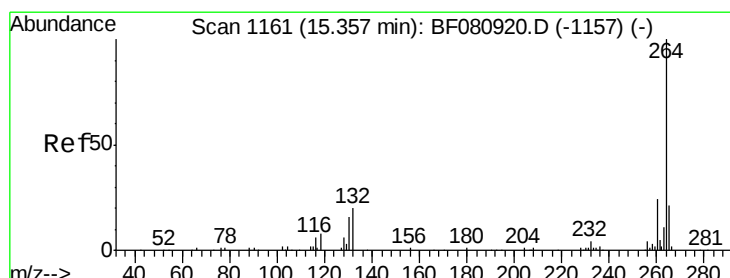
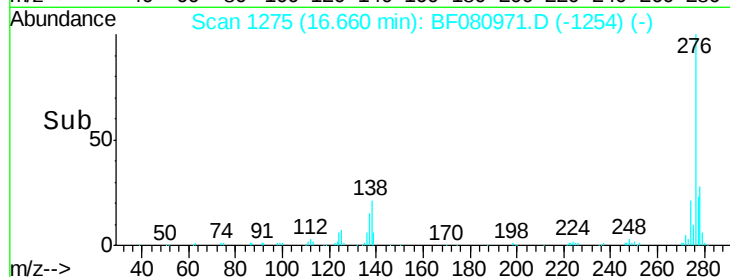
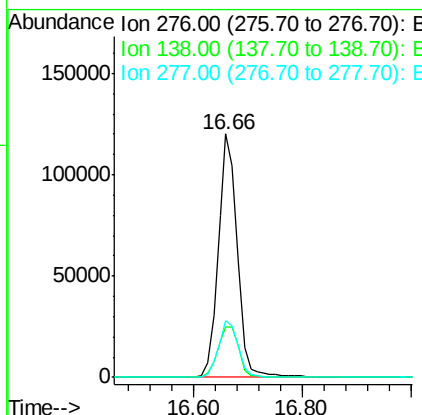
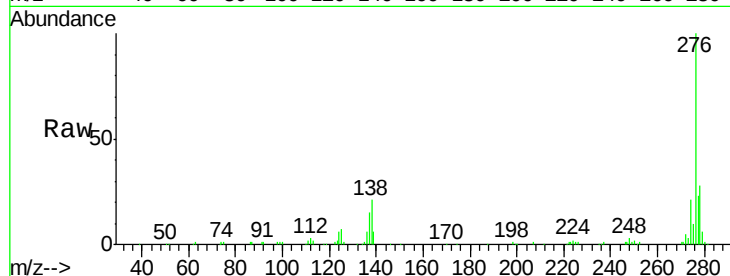
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 22.87 ng
 RT: 16.66 min Scan# 1275
 Delta R.T. -0.06 min
 Lab File: BF080971.D
 Acq: 11 Aug 2015 20:08

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MS

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	296101		
138	23.0	19.9	29.9	
277	24.1	19.7	29.5	

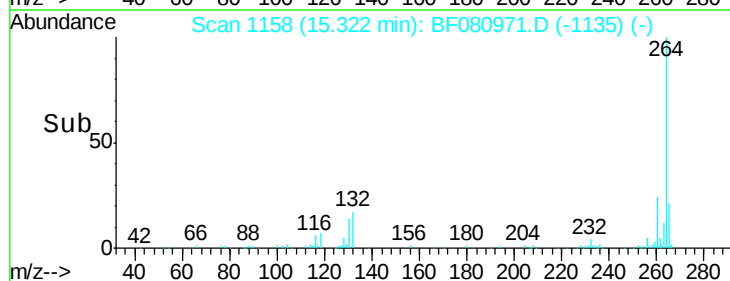
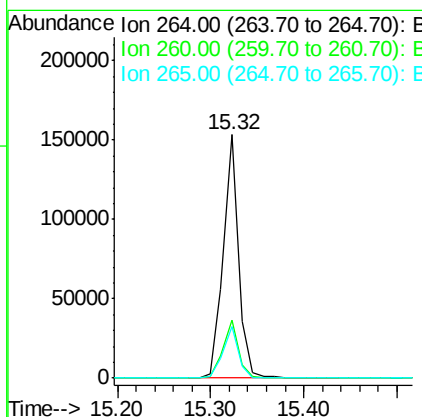
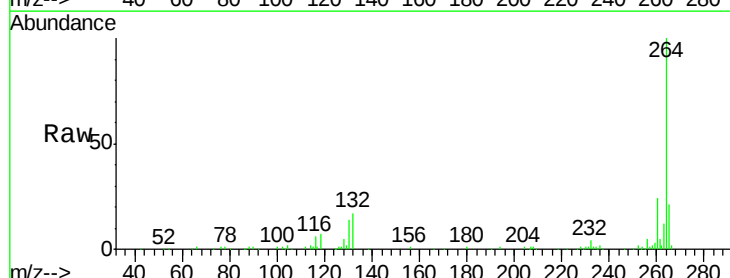
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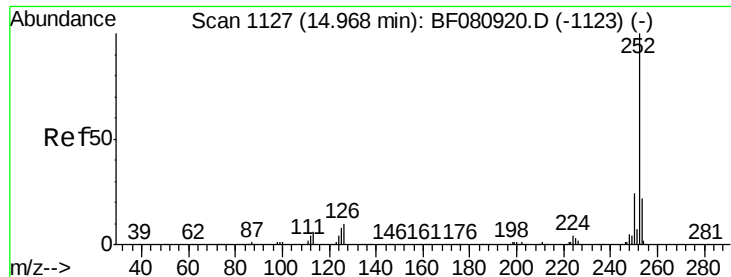
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.32 min Scan# 1158
 Delta R.T. -0.03 min
 Lab File: BF080971.D
 Acq: 11 Aug 2015 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	175237		
260	23.8	19.4	29.0	
265	21.0	17.0	25.4	





#87

Benzo(b)fluoranthene

Concen: 32.79 ng m

RT: 14.93 min Scan# 1124

Delta R.T. -0.03 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

Instrument :

BNA_F

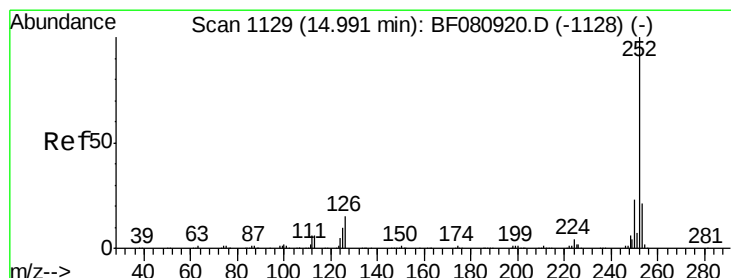
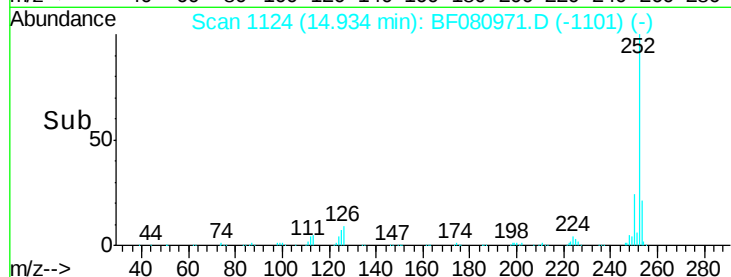
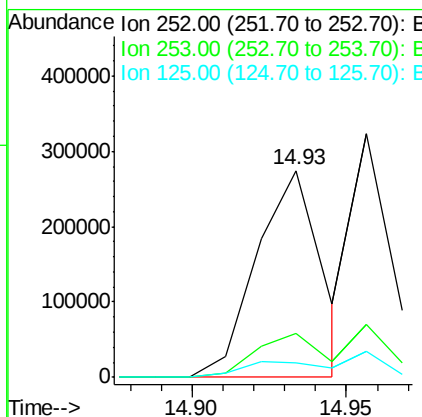
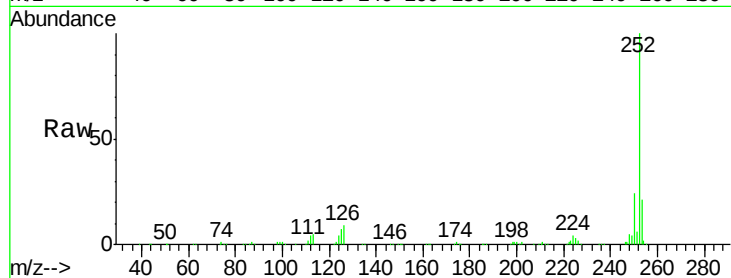
ClientSampleId :

SOIL-2MS

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	399518		
253	21.0	17.6	26.4	
125	7.2	6.1	9.1	

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#88

Benzo(k)fluoranthene

Concen: 27.42 ng m

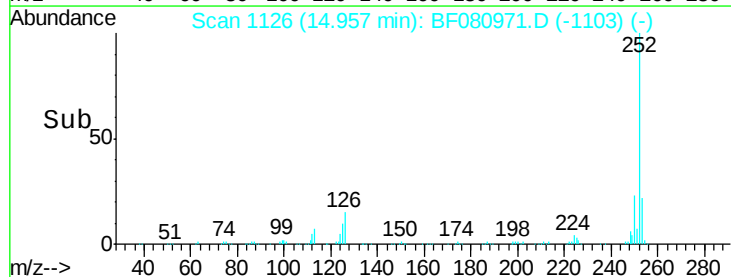
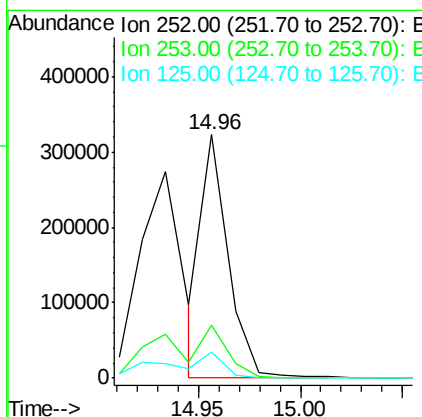
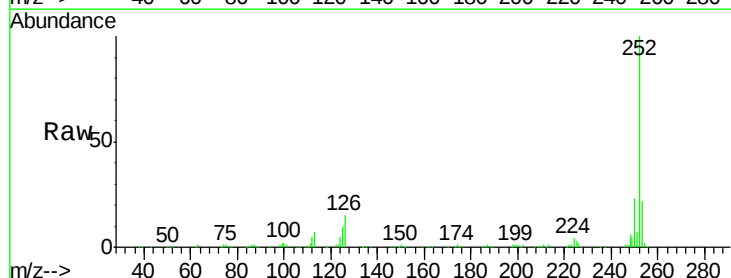
RT: 14.96 min Scan# 1126

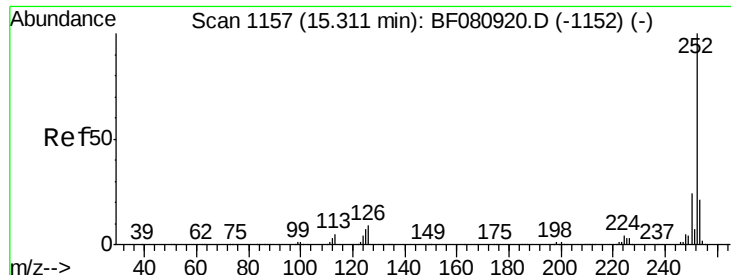
Delta R.T. -0.03 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	292323		
253	22.0	17.4	26.2	
125	10.5	9.0	13.6	





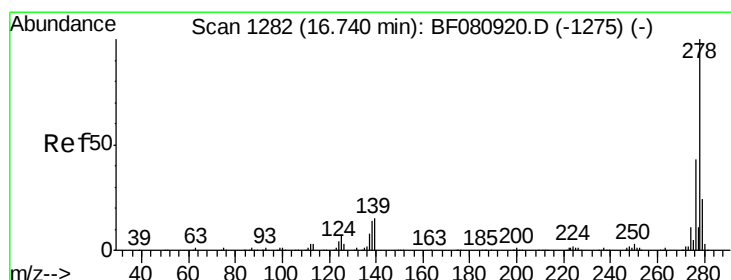
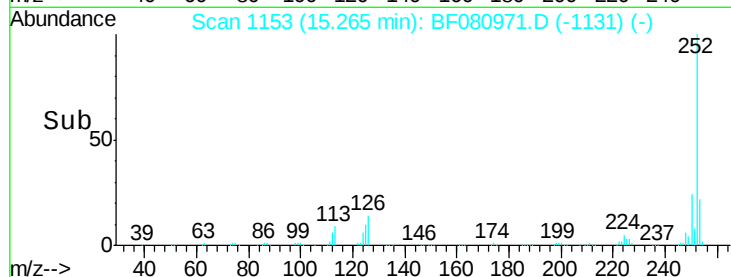
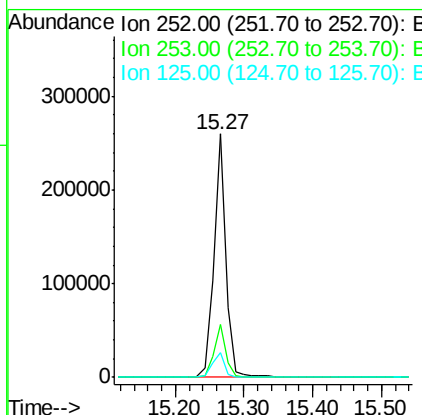
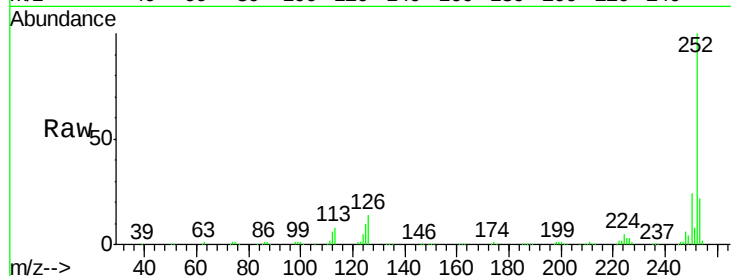
#89
Benzo(a)pyrene
Concen: 30.47 ng
RT: 15.27 min Scan# 1153
Delta R.T. -0.05 min
Lab File: BF080971.D
Acq: 11 Aug 2015 20:08

Instrument :
BNA_F
ClientSampleId :
SOIL-2MS

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	21.6	16.9	25.3
125	10.1	5.8	8.8

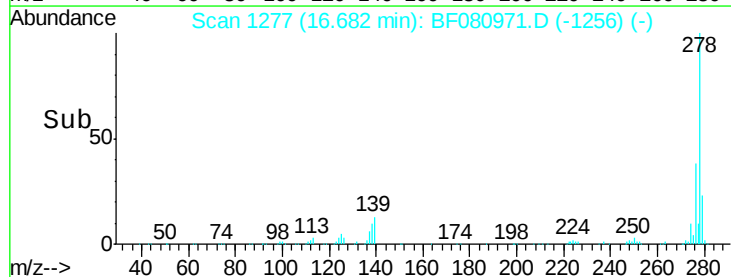
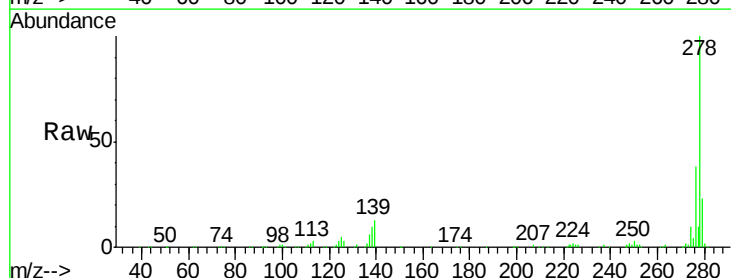
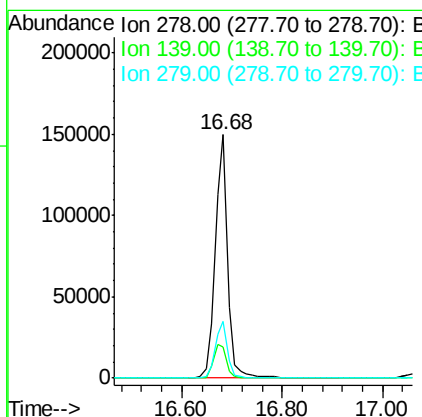
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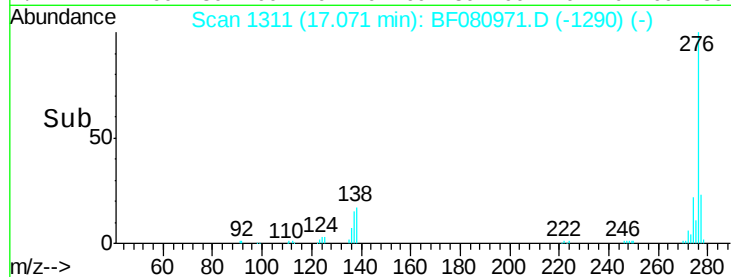
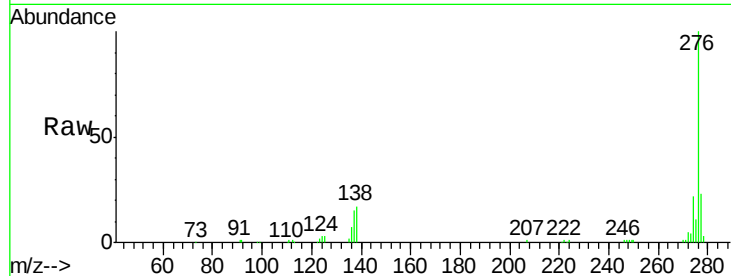
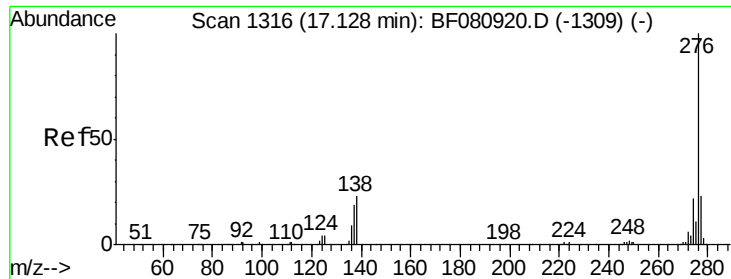
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#90
Dibenzo(a,h)anthracene
Concen: 27.39 ng
RT: 16.68 min Scan# 1277
Delta R.T. -0.06 min
Lab File: BF080971.D
Acq: 11 Aug 2015 20:08

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	12.8	11.9	17.9
279	23.4	19.0	28.6





#91

Benzo(g,h,i)perylene

Concen: 25.36 ng

RT: 17.07 min Scan# 1311

Delta R.T. -0.06 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

Tgt	Ion	Ratio	Resp	Lower	Upper
276	100		228453		
277	23.1	18.6	28.0		
138	16.8	18.4	27.6#		

Instrument :

BNA_F

ClientSampleId :

SOIL-2MS

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