

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081115\
 Data File : BF080972.D
 Acq On : 11 Aug 2015 20:40
 Operator : UM/IZ
 Sample : G3212-02MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MSD

Manual Integrations
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apatel
 8/12/2015 8:34:44 AM

Quant Time: Aug 12 05:43:21 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	70597	20.00	ng	-0.02
21) Naphthalene-d8	8.08	136	319328	20.00	ng	-0.02
38) Acenaphthene-d10	9.82	164	159903	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	317756	20.00	ng	-0.02
75) Chrysene-d12	13.93	240	253374	20.00	ng	-0.03
86) Perylene-d12	15.32	264	239315	20.00	ng	-0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	503493	116.53	ng	0.02
7) Phenol-d6	6.43	99	614208	103.73	ng	-0.01
23) Nitrobenzene-d5	7.36	82	433581	64.23	ng	-0.02
41) 2,4,6-Tribromophenol	10.61	330	168830	96.11	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	752387	66.24	ng	-0.02
78) Terphenyl-d14	12.89	244	813143	66.29	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.52	88	59111	28.84	ng	# 79
3) Pyridine	3.20	79	97886m	16.84	ng	
4) n-Nitrosodimethylamine	3.12	42	90160	30.39	ng	84
6) Aniline	6.45	93	62908	7.23	ng	# 76
8) 2-Chlorophenol	6.58	128	149722	29.95	ng	97
9) Benzaldehyde	6.33	77	110886	27.78	ng	94
10) Phenol	6.44	94	205816	29.30	ng	90
11) bis(2-Chloroethyl)ether	6.53	93	170002m	32.41	ng	
12) 1,3-Dichlorobenzene	6.73	146	148899m	28.06	ng	
13) 1,4-Dichlorobenzene	6.81	146	145816	26.45	ng	98
14) 1,2-Dichlorobenzene	6.96	146	136768	27.44	ng	96
15) Benzyl Alcohol	6.93	79	136393	28.15	ng	91
16) 2,2'-oxybis(1-Chloropropan	7.07	45	296819	28.13	ng	96
17) 2-Methylphenol	7.05	107	125124	29.32	ng	# 91
18) Hexachloroethane	7.30	117	58526	27.70	ng	97
19) n-Nitroso-di-n-propylamine	7.21	70	114265	26.40	ng	95
20) 3+4-Methylphenols	7.21	107	157413	29.36	ng	92
22) Acetophenone	7.21	105	278482	35.59	ng	# 86
24) Nitrobenzene	7.37	77	164991	23.74	ng	99
25) Isophorone	7.62	82	362096	27.89	ng	98
26) 2-Nitrophenol	7.69	139	83272	28.47	ng	97
27) 2,4-Dimethylphenol	7.73	122	160360	29.29	ng	94
28) bis(2-Chloroethoxy)methane	7.82	93	203266	26.08	ng	98
29) 2,4-Dichlorophenol	7.93	162	124702	27.71	ng	95
30) 1,2,4-Trichlorobenzene	8.02	180	131423	26.72	ng	98
31) Naphthalene	8.09	128	452745	25.72	ng	99
32) Benzoic acid	7.81	122	22455	6.85	ng	90
33) 4-Chloroaniline	8.14	127	38043	5.32	ng	95
34) Hexachlorobutadiene	8.21	225	79220	27.07	ng	98
35) Caprolactam	8.52	113	46813m	28.92	ng	
36) 4-Chloro-3-methylphenol	8.64	107	158100	28.79	ng	96
37) 2-Methylnaphthalene	8.78	142	294427	26.28	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.96	216	154475	31.34	ng	99
40) Hexachlorocyclopentadiene	8.94	237	175114	65.10	ng	100

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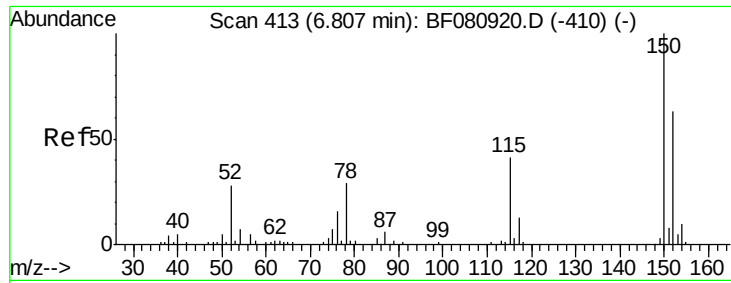
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.07	196	99099	27.43	ng	95
43) 2,4,5-Trichlorophenol	9.10	196	107323	29.48	ng #	83
45) 1,1'-Biphenyl	9.25	154	538675	39.25	ng	99
46) 2-Chloronaphthalene	9.28	162	309033	28.88	ng	99
47) 2-Nitroaniline	9.37	65	122504	28.56	ng	96
48) Acenaphthylene	9.69	152	523927	28.17	ng	100
49) Dimethylphthalate	9.56	163	374208	28.17	ng #	98
50) 2,6-Dinitrotoluene	9.62	165	82280	29.98	ng #	52
51) Acenaphthene	9.86	154	326241	28.64	ng	99
52) 3-Nitroaniline	9.78	138	32148	9.50	ng	86
53) 2,4-Dinitrophenol	9.88	184	36228	26.20	ng	89
54) Dibenzofuran	10.03	168	427273	27.74	ng	99
55) 4-Nitrophenol	9.95	139	136536	53.92	ng #	60
56) 2,4-Dinitrotoluene	10.02	165	108279	29.49	ng #	70
57) Fluorene	10.37	166	335062	28.12	ng	100
58) 2,3,4,6-Tetrachlorophenol	10.14	232	72039m	25.00	ng	
59) Diethylphthalate	10.26	149	393243	28.44	ng	96
60) 4-Chlorophenyl-phenylether	10.36	204	133816	23.05	ng	97
61) 4-Nitroaniline	10.40	138	76248	21.90	ng	95
62) Azobenzene	10.52	77	375702	24.30	ng	98
64) 4,6-Dinitro-2-methylphenol	10.42	198	29059	14.76	ng	79
65) n-Nitrosodiphenylamine	10.49	169	282036	25.55	ng	100
66) 4-Bromophenyl-phenylether	10.85	248	89747	26.67	ng	99
67) Hexachlorobenzene	10.92	284	106978	28.59	ng	97
68) Atrazine	11.01	200	109560	33.85	ng	96
69) Pentachlorophenol	11.12	266	139548	64.14	ng	98
70) Phenanthrene	11.32	178	486590	27.04	ng	99
71) Anthracene	11.38	178	512343	28.76	ng	100
72) Carbazole	11.54	167	471654	27.19	ng	100
73) Di-n-butylphthalate	11.87	149	611171	28.18	ng	99
74) Fluoranthene	12.51	202	549789	28.27	ng	97
76) Benzidine	12.64	184	136605	10.78	ng	96
77) Pyrene	12.74	202	569777	30.44	ng	99
79) Butylbenzylphthalate	13.36	149	263146	29.16	ng #	69
80) Benzo(a)anthracene	13.92	228	481153	30.06	ng	99
81) 3,3'-Dichlorobenzidine	13.88	252	78853	13.54	ng #	96
82) Chrysene	13.95	228	452039	29.50	ng	99
83) Bis(2-ethylhexyl)phthalate	13.92	149	346459	27.59	ng #	93
84) Di-n-octyl phthalate	14.53	149	639255	30.03	ng	98
85) Indeno(1,2,3-cd)pyrene	16.66	276	400463	27.46	ng	100
87) Benzo(b)fluoranthene	14.93	252	503308m	30.24	ng	
88) Benzo(k)fluoranthene	14.96	252	375330m	25.78	ng	
89) Benzo(a)pyrene	15.27	252	419062	29.30	ng #	95
90) Dibenzo(a,h)anthracene	16.68	278	337603	26.69	ng	100
91) Benzo(g,h,i)perylene	17.07	276	322460	26.21	ng	98

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



#1

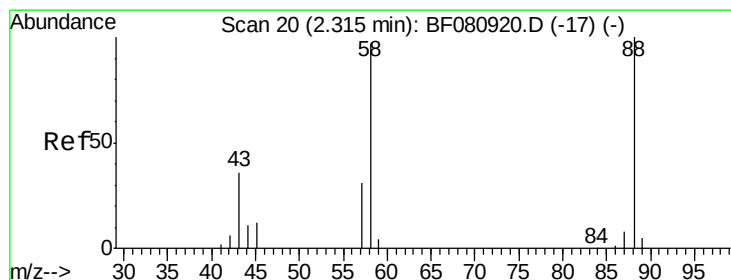
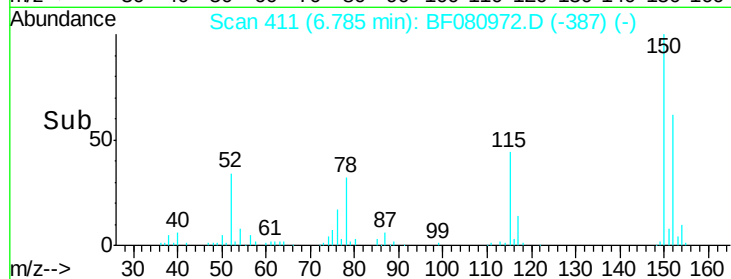
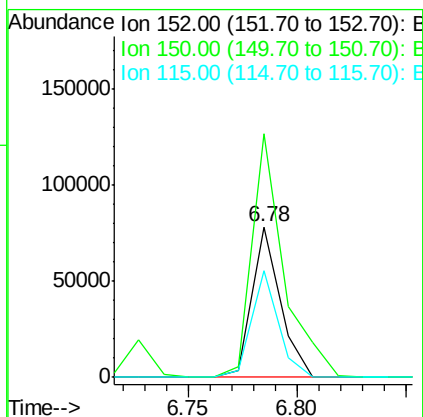
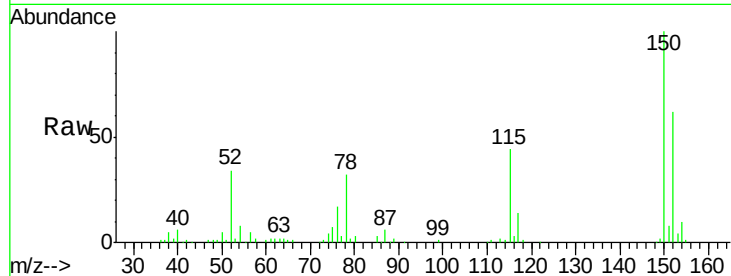
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 411
Delta R.T. -0.02 min
Lab File: BF080972.D
Acq: 11 Aug 2015 20:40

Instrument :
BNA_F
ClientSampleId :
SOIL-2MSD

Tgt Ion	Ratio	Lower	Upper
152	100		
150	162.1	127.4	191.2
115	70.8	52.6	78.8

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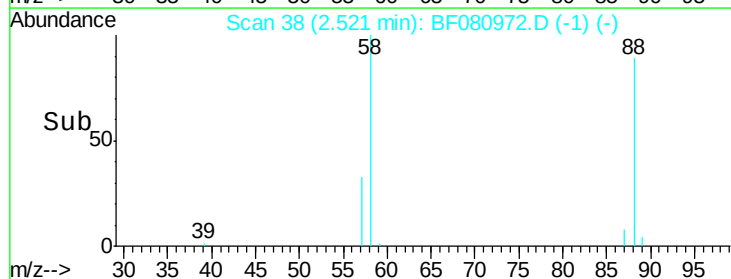
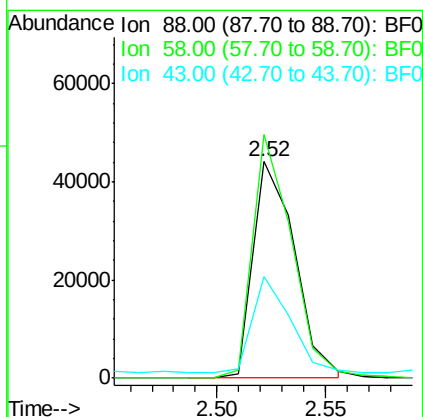
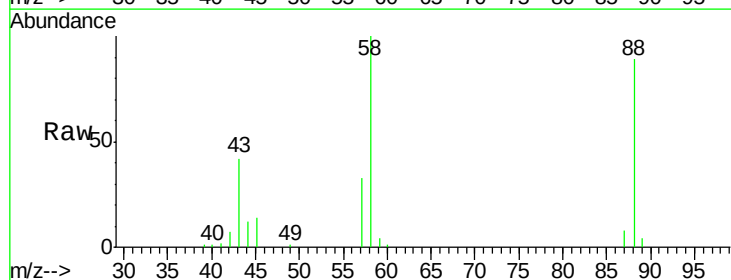
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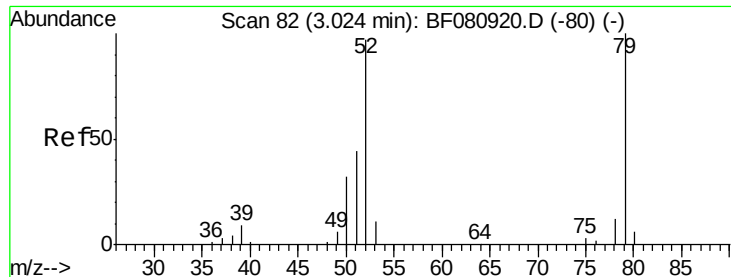


#2

1,4-Dioxane
Concen: 28.84 ng
RT: 2.52 min Scan# 38
Delta R.T. 0.21 min
Lab File: BF080972.D
Acq: 11 Aug 2015 20:40

Tgt Ion	Ratio	Lower	Upper
88	100		
58	105.3	79.3	118.9
43	0.0	28.3	42.5#





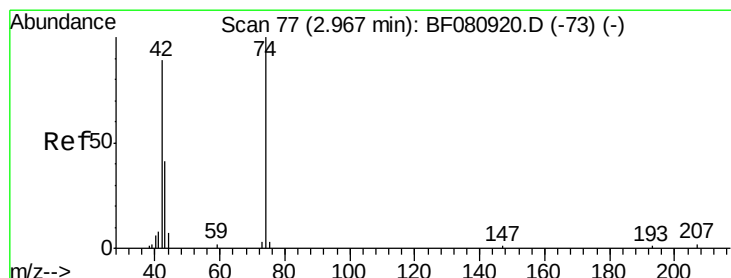
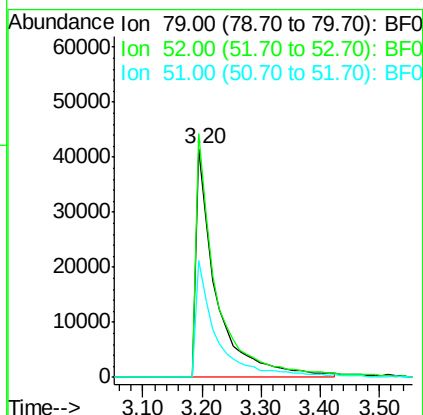
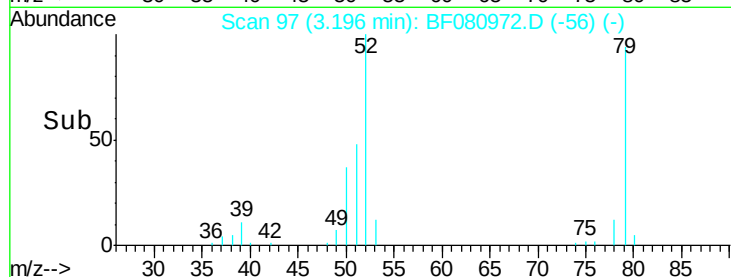
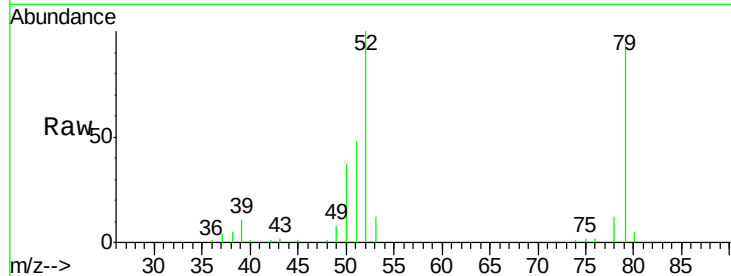
#3
 Pyridine
 Concen: 16.84 ng m
 RT: 3.20 min Scan# 97
 Delta R.T. 0.17 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MSD

Tgt Ion	Ratio	Lower	Upper
79	100		
52	106.4	77.2	115.8
51	51.0	35.0	52.4

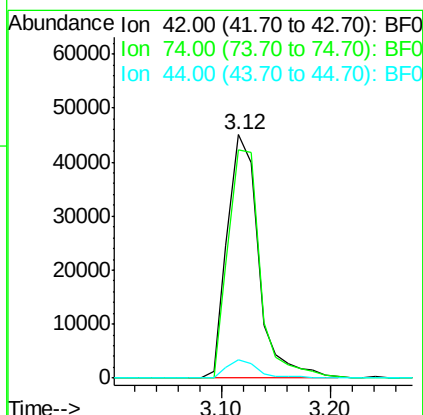
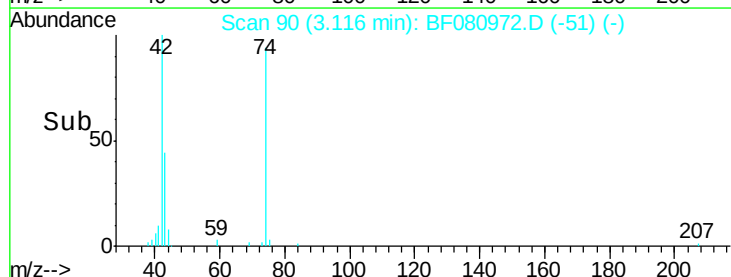
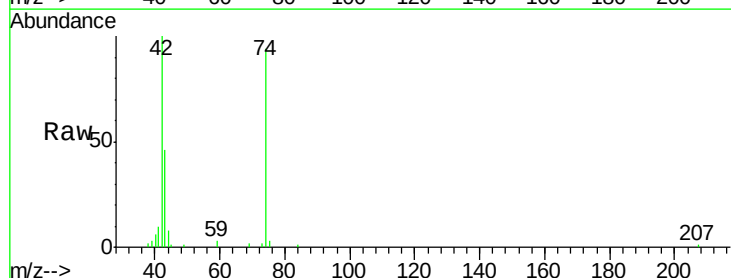
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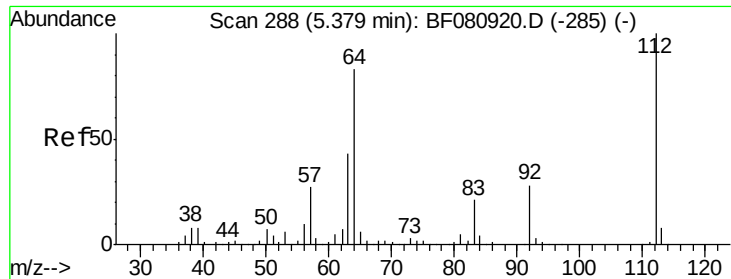
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#4
 n-Nitrosodimethylamine
 Concen: 30.39 ng
 RT: 3.12 min Scan# 90
 Delta R.T. 0.15 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Tgt Ion	Ratio	Lower	Upper
42	100		
74	94.0	89.8	134.8
44	7.5	6.5	9.7





#5

2-Fluorophenol

Concen: 116.53 ng

RT: 5.40 min Scan# 290

Delta R.T. 0.02 min

Lab File: BF080972.D

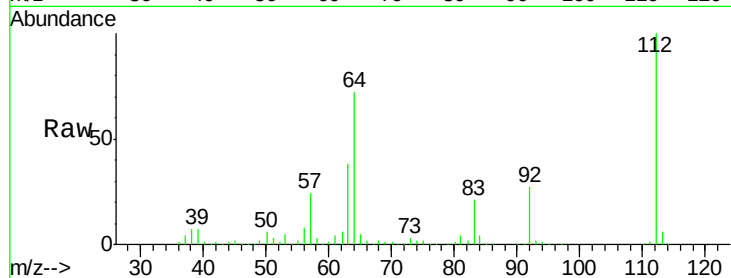
Acq: 11 Aug 2015 20:40

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ClientSampleId :

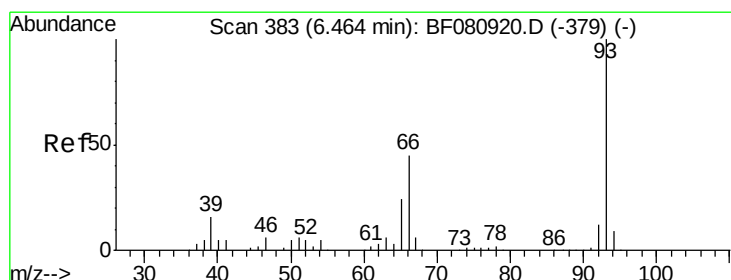
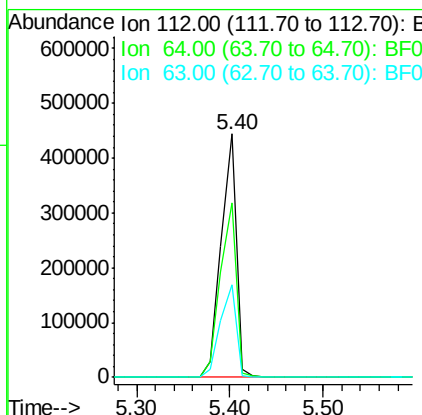
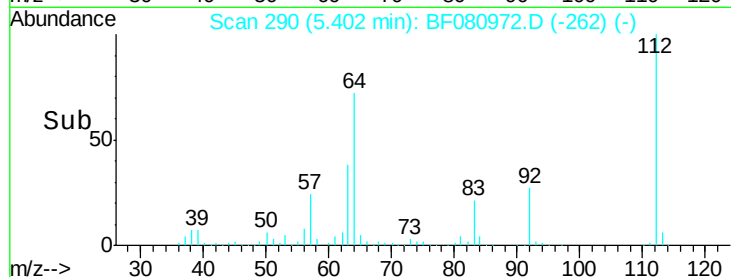
SOIL-2MSD



Tgt Ion:	112	Resp:	503493
Ion Ratio	Lower	Upper	
112	100		
64	71.9	66.1	99.1
63	38.1	34.6	52.0

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#6

Aniline

Concen: 7.23 ng

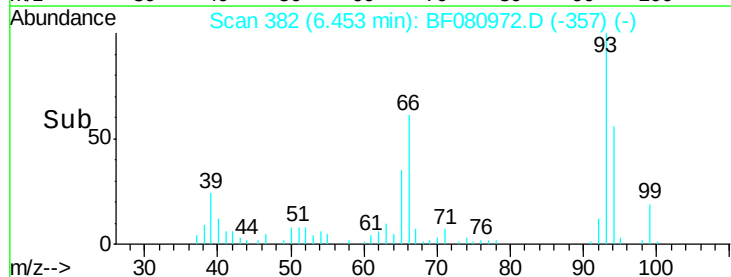
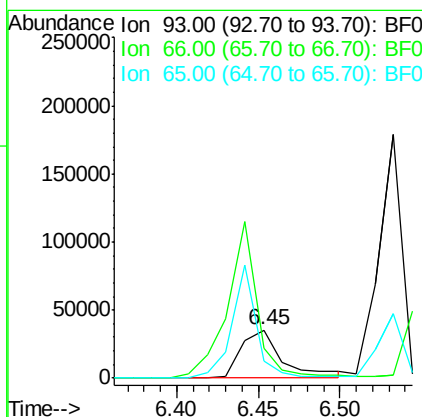
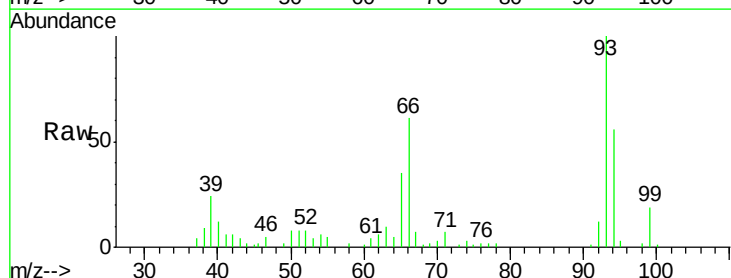
RT: 6.45 min Scan# 382

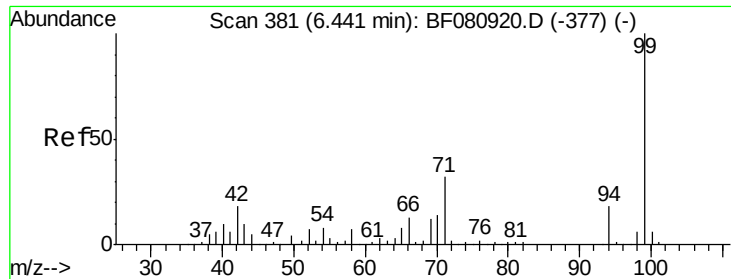
Delta R.T. -0.01 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

Tgt Ion:	93	Resp:	62908
Ion Ratio	Lower	Upper	
93	100		
66	60.8	36.2	54.4#
65	35.5	19.0	28.4#





#7

Phenol-d6

Concen: 103.73 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

Instrument :

BNA_F

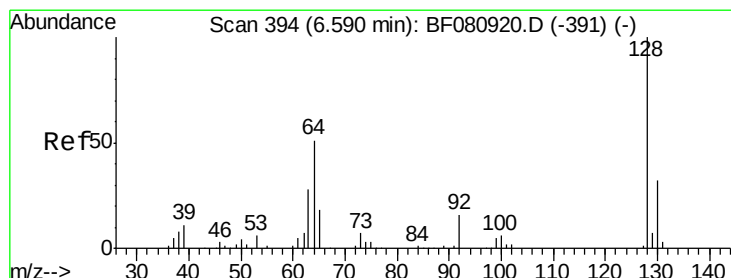
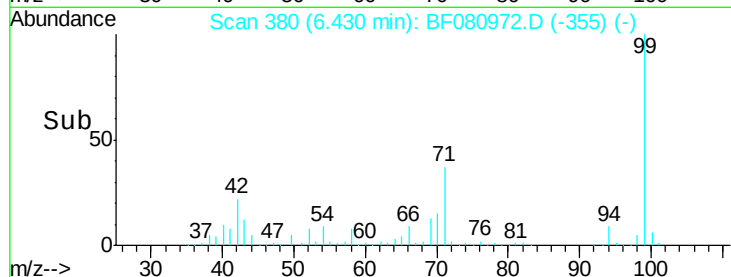
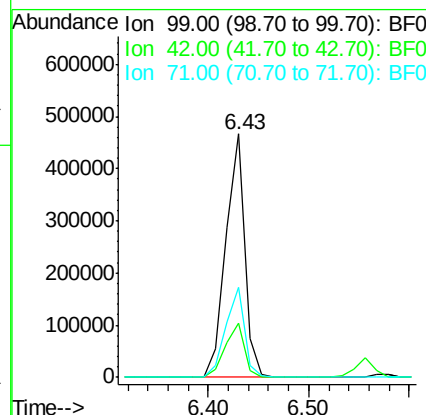
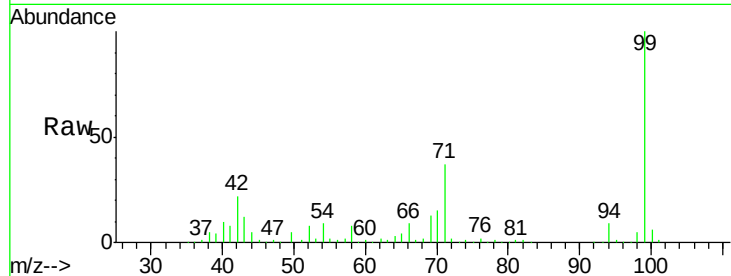
ClientSampleId :

SOIL-2MSD

Tgt Ion:	99	Resp:	614208
Ion Ratio	Lower	Upper	
99	100		
42	22.4	14.4	21.6#
71	36.8	25.8	38.8

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#8

2-Chlorophenol

Concen: 29.95 ng

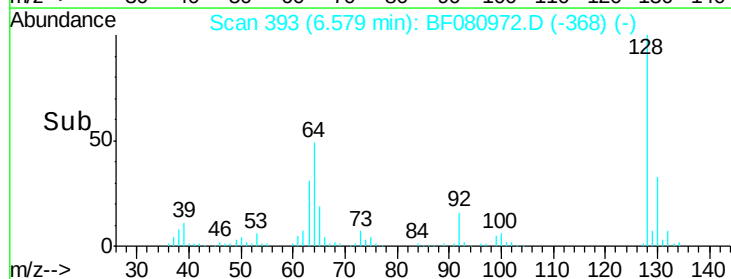
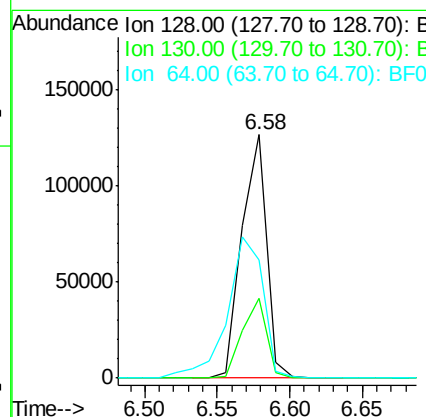
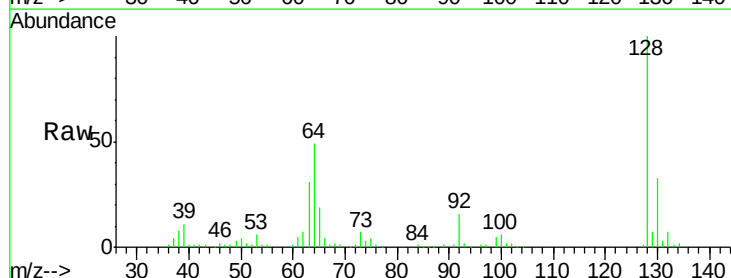
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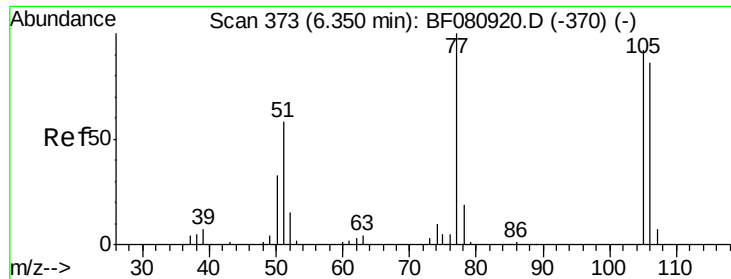
Delta R.T. -0.01 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

Tgt Ion:	128	Resp:	149722
Ion Ratio	Lower	Upper	
128	100		
130	32.9	12.4	52.4
64	48.6	32.1	72.1





#9

Benzaldehyde

Concen: 27.78 ng

RT: 6.33 min Scan# 371

Delta R.T. -0.02 min

Lab File: BF080972.D

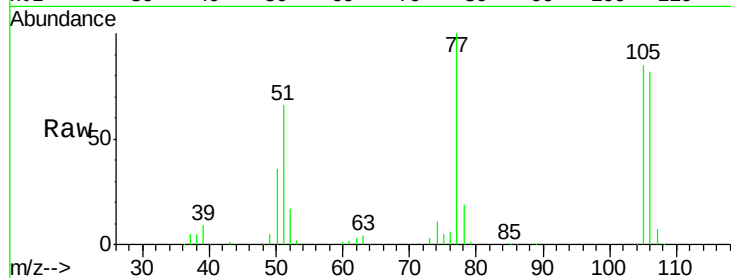
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Instrument :

BNA_F

ClientSampleId :

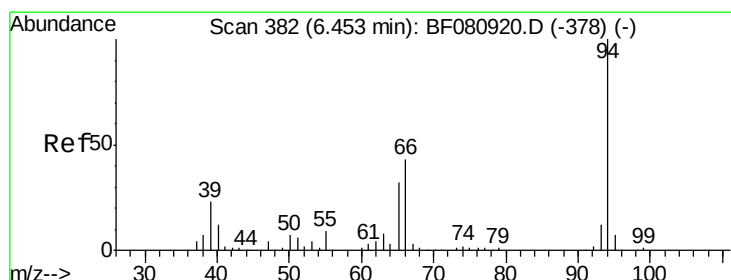
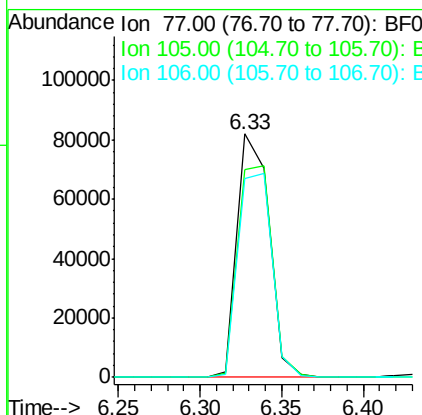
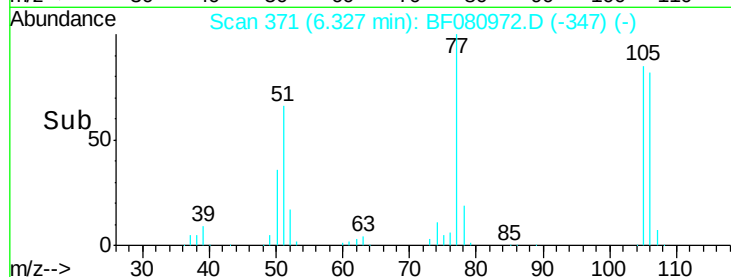
SOIL-2MSD



Tgt Ion:	77	Resp:	110886
Ion	Ratio	Lower	Upper
77	100		
105	85.4	71.6	111.6
106	81.6	65.7	105.7

Manual Integrations
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#10

Phenol

Concen: 29.30 ng

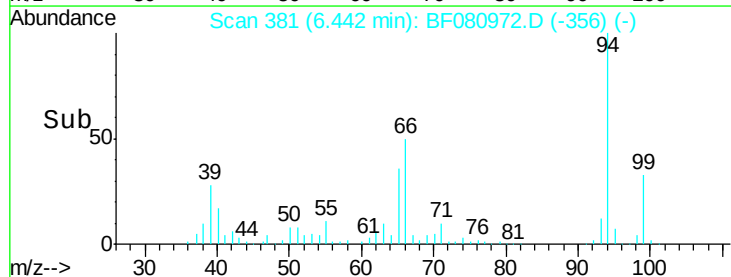
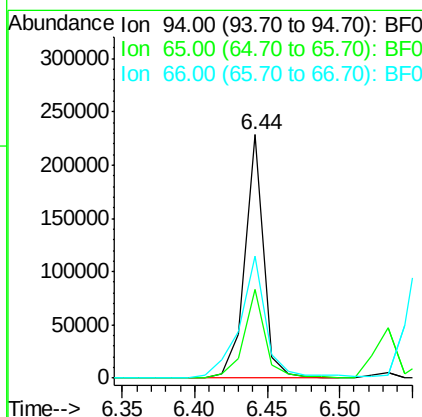
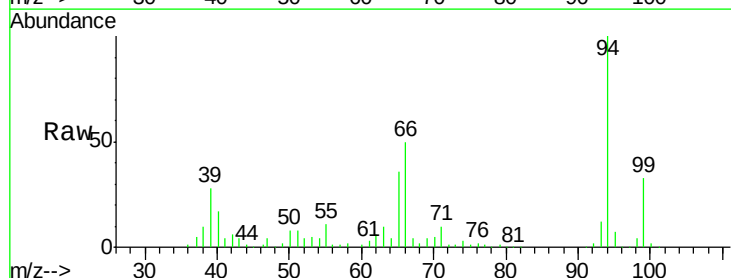
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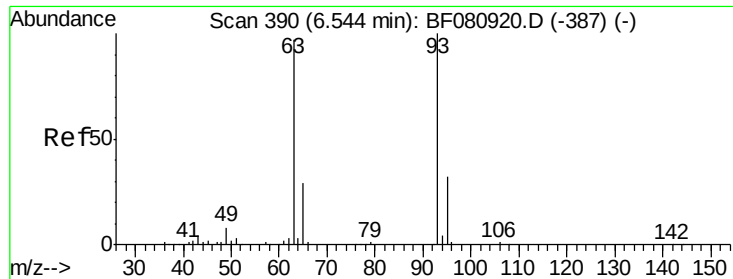
Delta R.T. -0.01 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

Tgt Ion:	94	Resp:	205816
Ion	Ratio	Lower	Upper
94	100		
65	36.5	11.8	51.8
66	50.2	22.9	62.9





#11

bis(2-Chloroethyl)ether

Concen: 32.41 ng m

RT: 6.53 min Scan# 389

Delta R.T. -0.01 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

Instrument :

BNA_F

ClientSampleId :

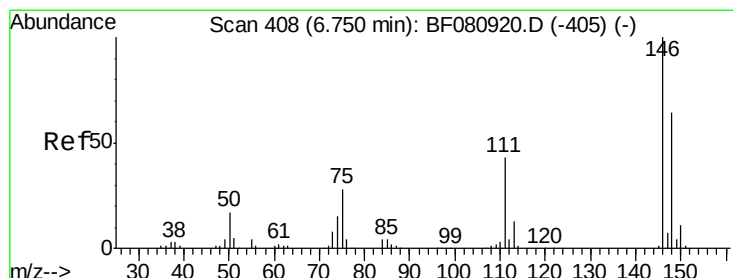
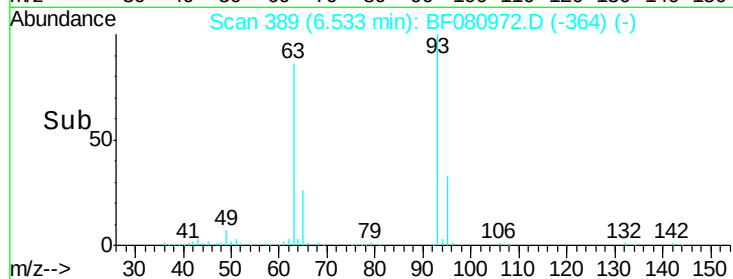
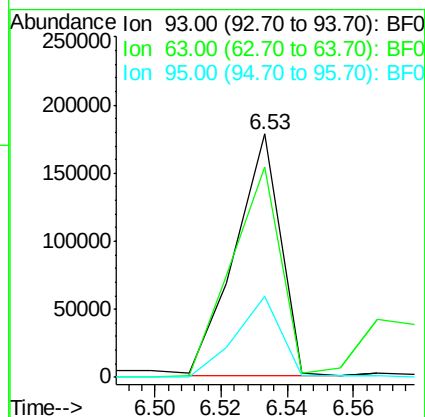
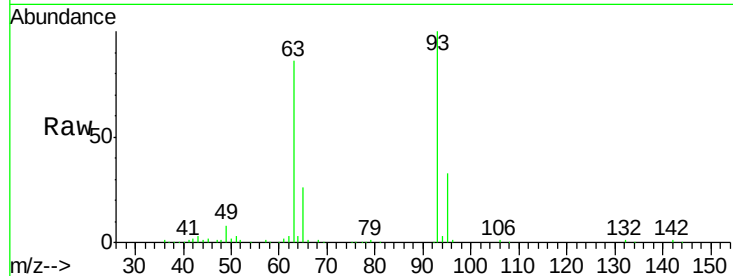
SOIL-2MSD

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Tgt Ion:	93	Resp:	170002
Ion Ratio	Lower	Upper	
93	100		
63	86.4	76.7	116.7
95	33.4	12.3	52.3



#12

1,3-Dichlorobenzene

Concen: 28.06 ng m

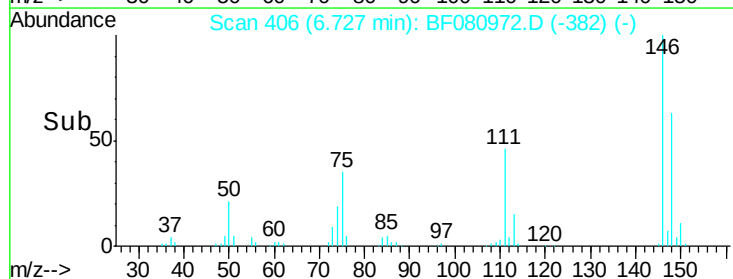
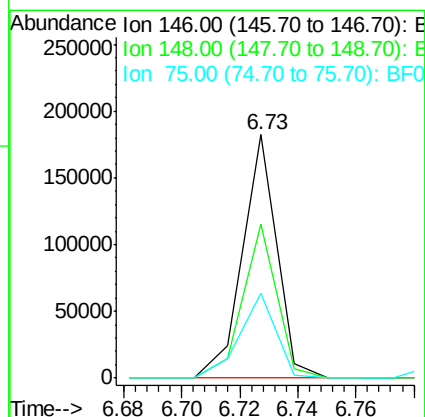
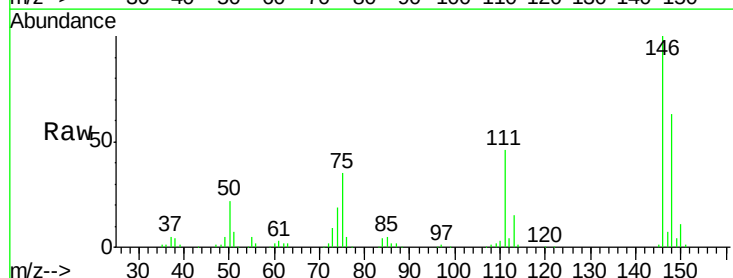
RT: 6.73 min Scan# 406

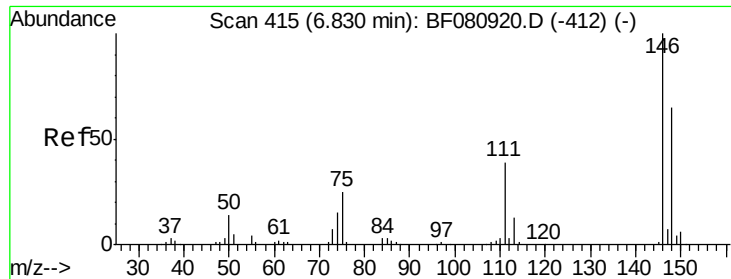
Delta R.T. -0.02 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

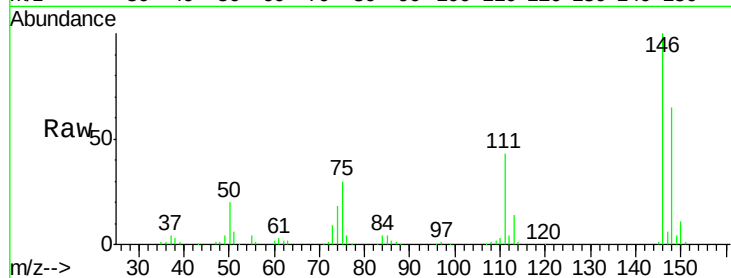
Tgt Ion:	146	Resp:	148899
Ion Ratio	Lower	Upper	
146	100		
148	63.3	51.4	77.0
75	34.9	22.2	33.4





#13
 1,4-Dichlorobenzene
 Concen: 26.45 ng
 RT: 6.81 min Scan# 413
 Delta R.T. -0.02 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

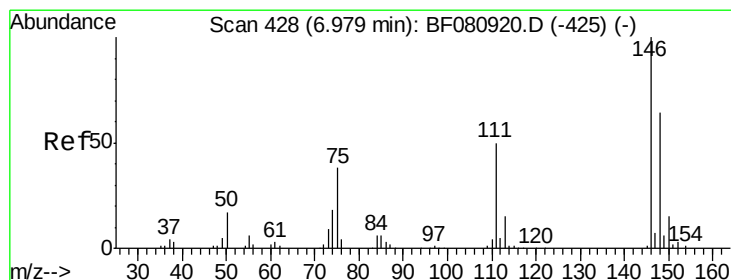
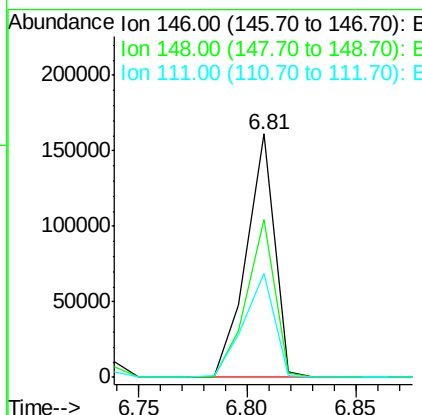
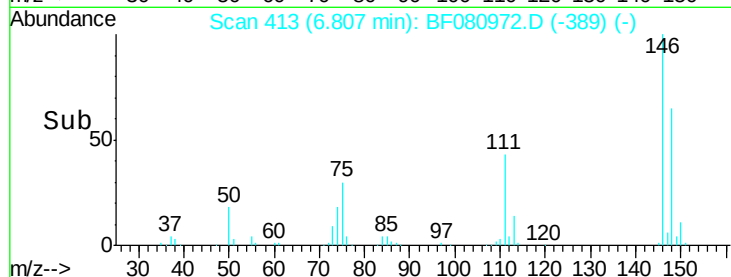
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MSD



Tgt Ion	Ratio	Resp	Lower	Upper
146	100	145816		
148	64.9	52.2	78.4	
111	43.0	31.5	47.3	

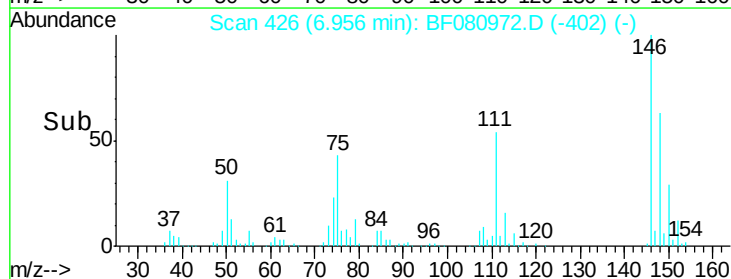
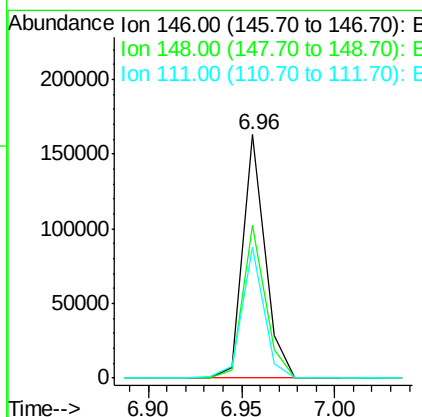
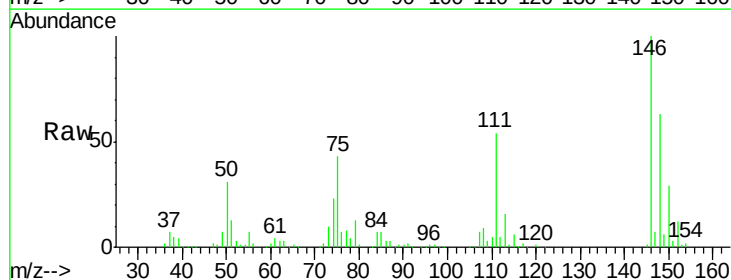
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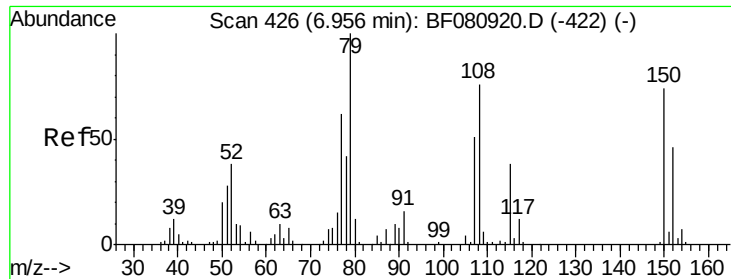
apatel
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#14
 1,2-Dichlorobenzene
 Concen: 27.44 ng
 RT: 6.96 min Scan# 426
 Delta R.T. -0.02 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	136768		
148	62.6	51.1	76.7	
111	54.0	40.0	60.0	





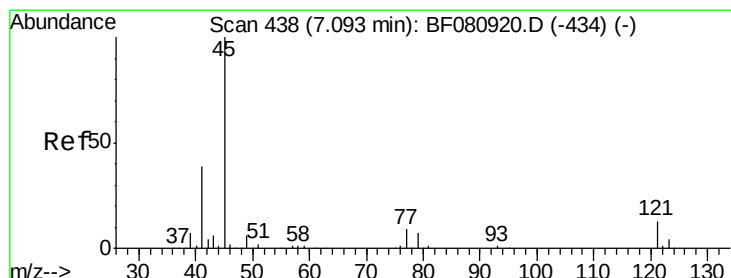
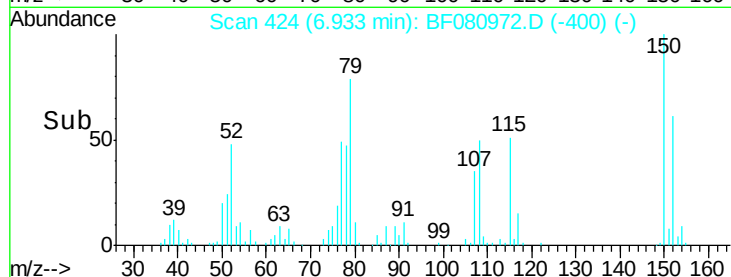
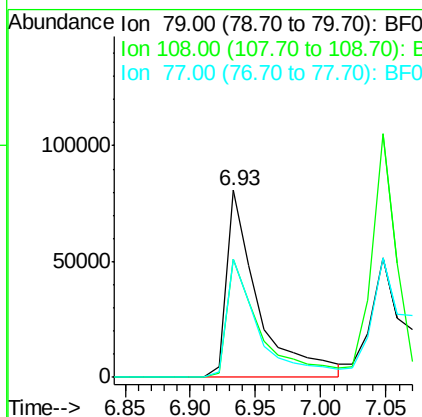
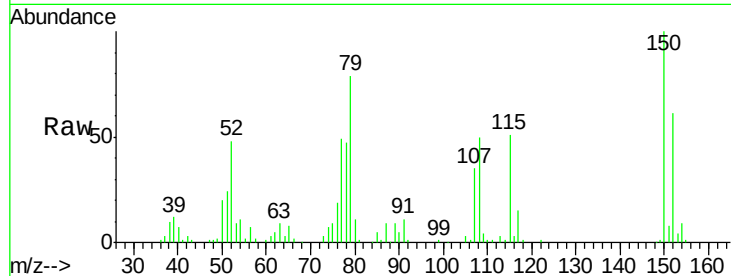
#15
Benzyl Alcohol
Concen: 28.15 ng
RT: 6.93 min Scan# 424
Delta R.T. -0.02 min
Lab File: BF080972.D
Acq: 11 Aug 2015 20:40

Instrument :
BNA_F
ClientSampleId :
SOIL-2MSD

Tgt Ion	Ratio	Resp	Lower	Upper
79	100	136393		
108	62.9	60.9	91.3	
77	62.8	49.4	74.0	

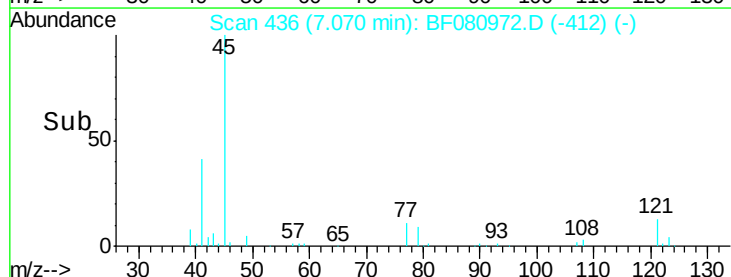
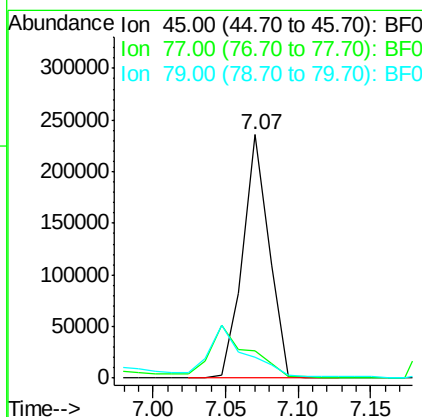
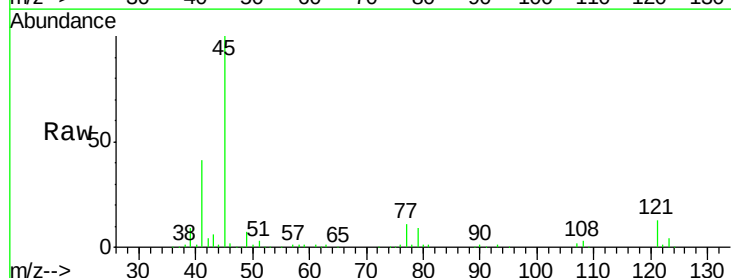
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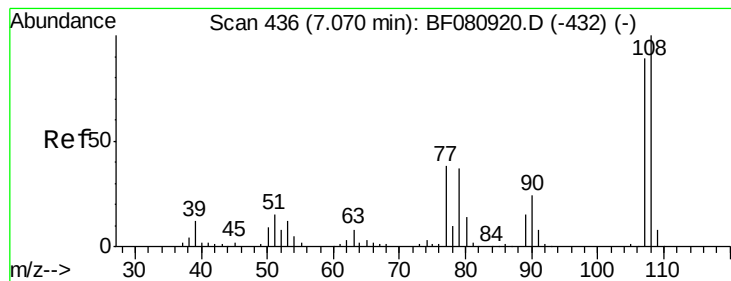
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 28.13 ng
RT: 7.07 min Scan# 436
Delta R.T. -0.02 min
Lab File: BF080972.D
Acq: 11 Aug 2015 20:40

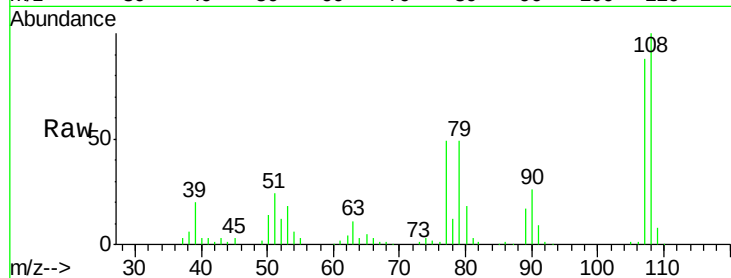
Tgt Ion	Ratio	Resp	Lower	Upper
45	100	296819		
77	11.3	0.0	29.6	
79	8.8	0.0	27.7	





#17
2-Methylphenol
Concen: 29.32 ng
RT: 7.05 min Scan# 434
Delta R.T. -0.02 min
Lab File: BF080972.D
Acq: 11 Aug 2015 20:40

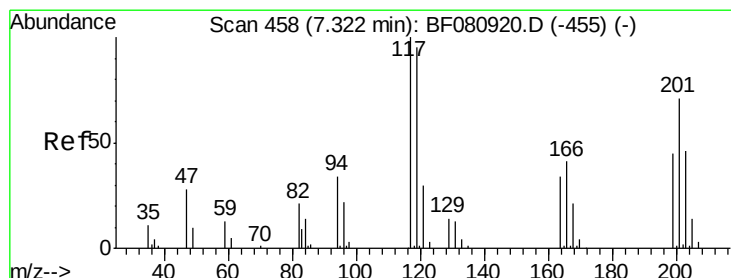
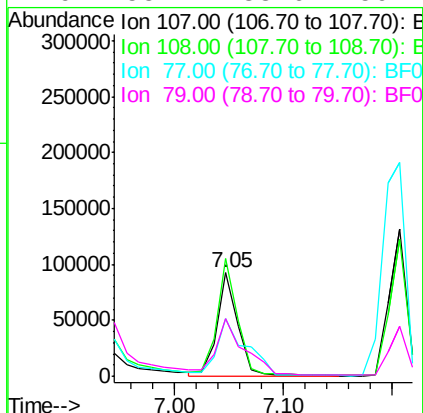
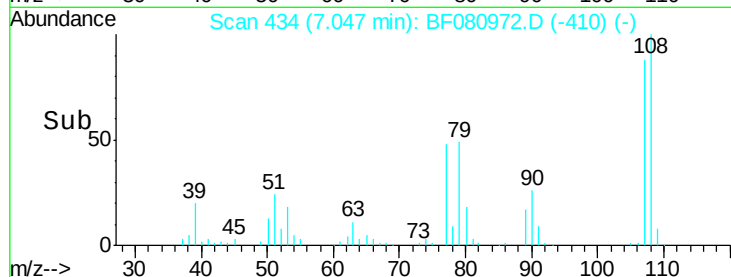
Instrument :
BNA_F
ClientSampleId :
SOIL-2MSD



Tgt Ion	Ratio	Resp Lower	Resp Upper
107	100		
108	113.5	90.3	135.5
77	55.4	34.6	51.8
79	55.4	33.6	50.4

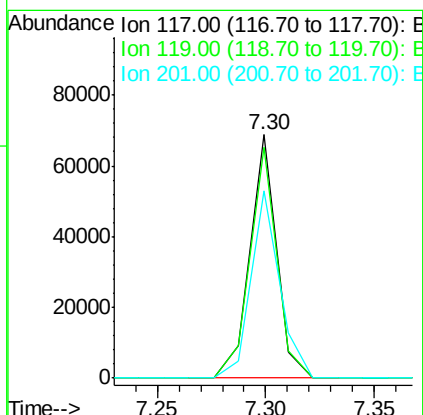
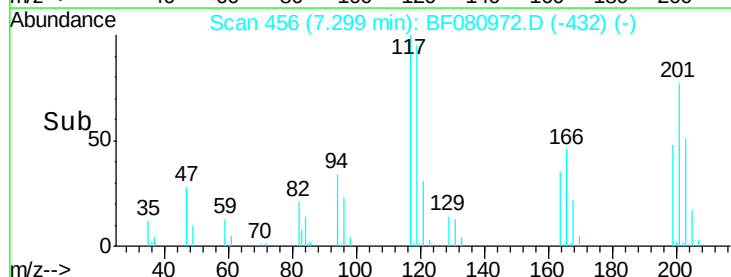
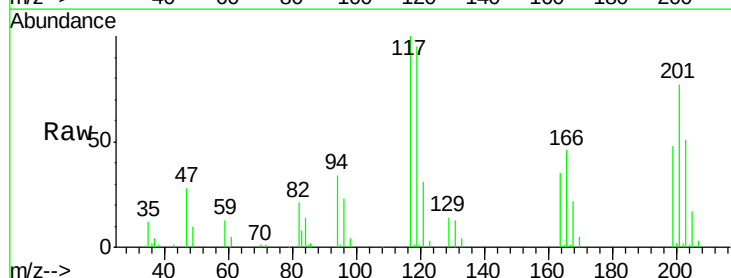
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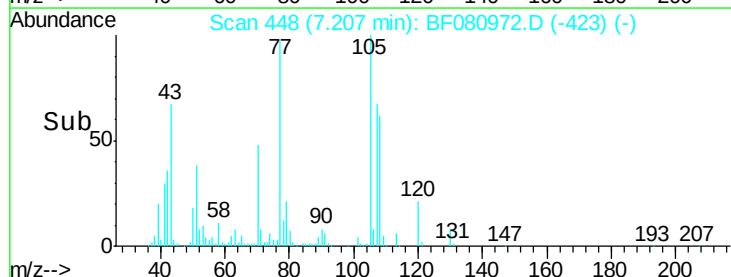
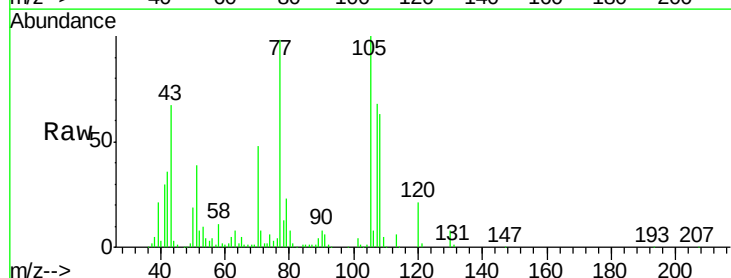
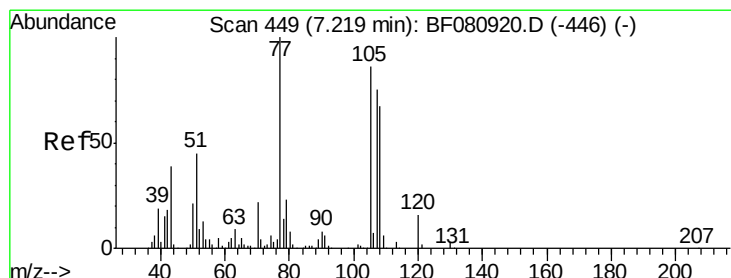
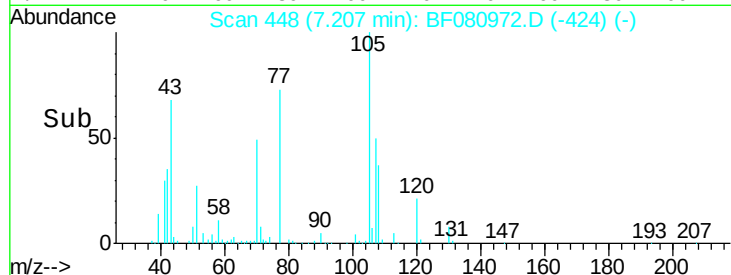
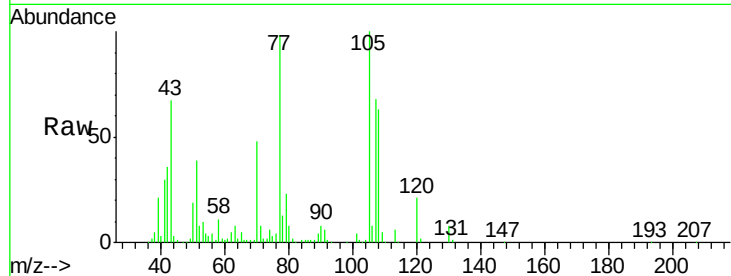
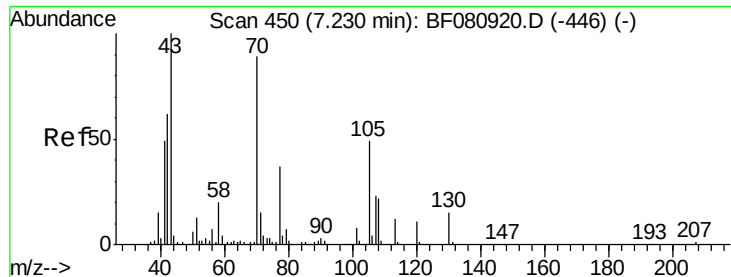
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#18
Hexachloroethane
Concen: 27.70 ng
RT: 7.30 min Scan# 456
Delta R.T. -0.02 min
Lab File: BF080972.D
Acq: 11 Aug 2015 20:40

Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
119	94.7	76.3	114.5
201	76.9	57.0	85.6





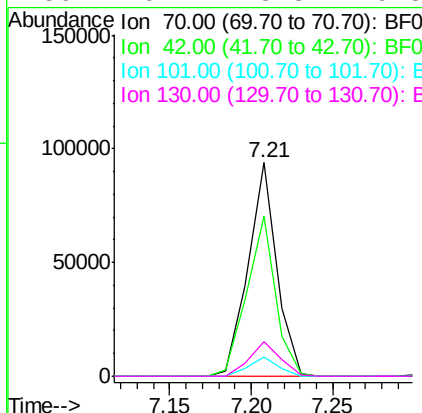
#19
n-Nitroso-di-n-propylamine
Concen: 26.40 ng
RT: 7.21 min Scan# 448
Delta R.T. -0.02 min
Lab File: BF080972.D
Acq: 11 Aug 2015 20:40

Instrument :
BNA_F
ClientSampleId :
SOIL-2MSD

Tgt Ion	Ratio	Resp	Lower	Upper
70	100	114265		
42	74.8	55.7	83.5	
101	8.8	7.0	10.6	
130	16.4	13.8	20.8	

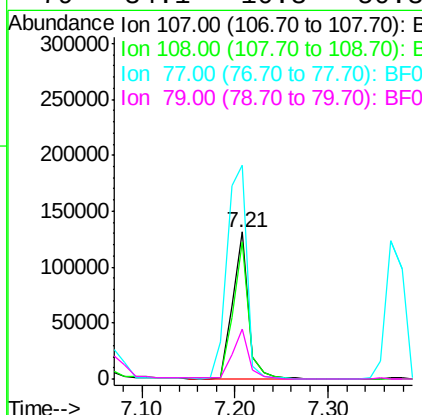
Manual Integrations
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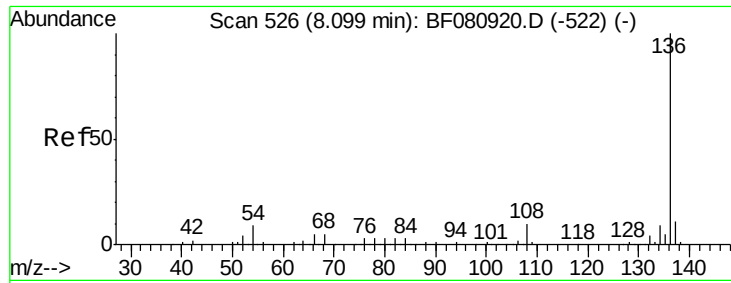
apatel
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#20
3+4-Methylphenols
Concen: 29.36 ng
RT: 7.21 min Scan# 448
Delta R.T. -0.01 min
Lab File: BF080972.D
Acq: 11 Aug 2015 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	157413		
108	93.2	69.2	109.2	
77	145.3	113.0	153.0	
79	34.1	10.3	50.3	





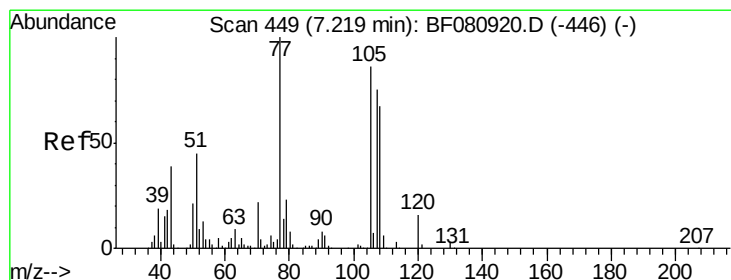
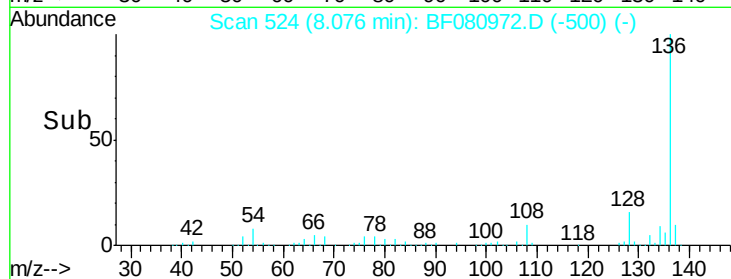
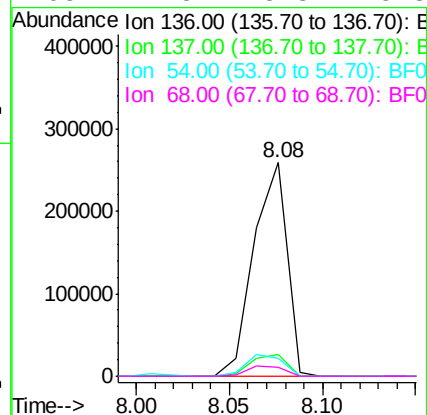
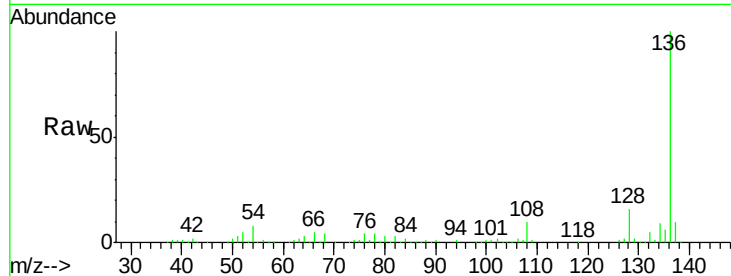
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.08 min Scan# 524
Delta R.T. -0.02 min
Lab File: BF080972.D
Acq: 11 Aug 2015 20:40

Instrument :
BNA_F
ClientSampleId :
SOIL-2MSD

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	319328		
137	10.1	8.5	12.7	
54	8.4	7.1	10.7	
68	4.3	3.8	5.8	

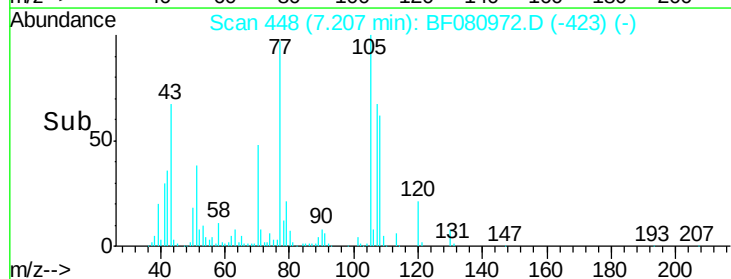
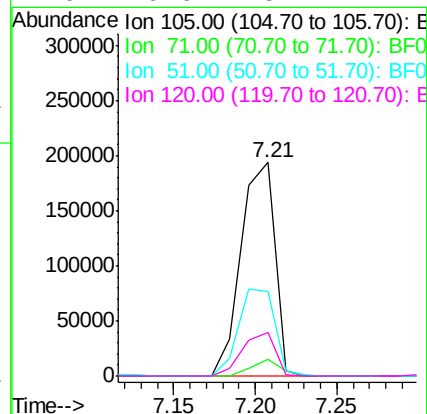
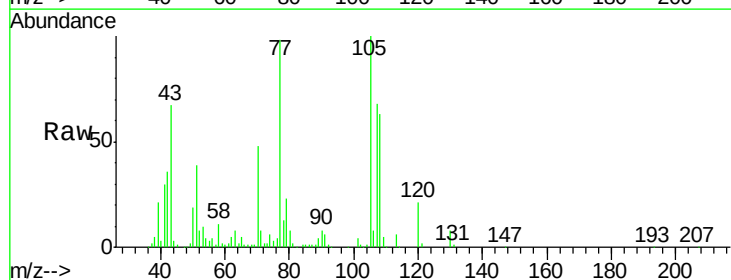
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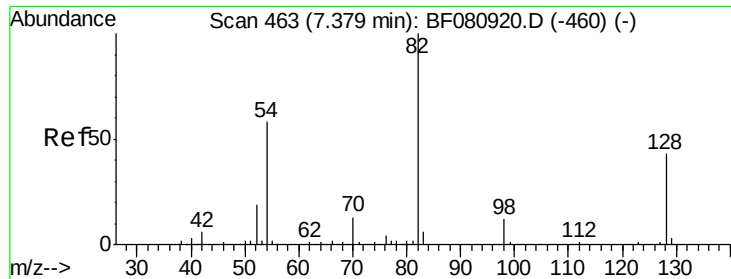
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#22
Acetophenone
Concen: 35.59 ng
RT: 7.21 min Scan# 448
Delta R.T. -0.01 min
Lab File: BF080972.D
Acq: 11 Aug 2015 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	278482		
71	7.9	3.3	4.9#	
51	39.4	41.8	62.6#	
120	20.6	15.1	22.7	





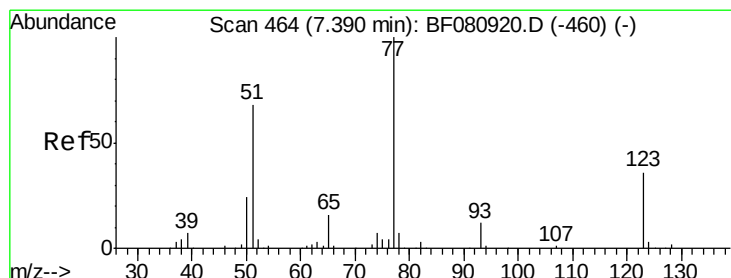
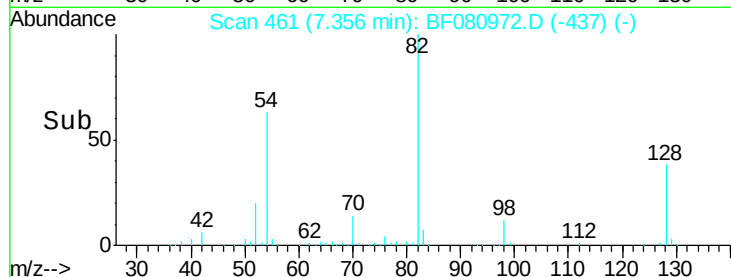
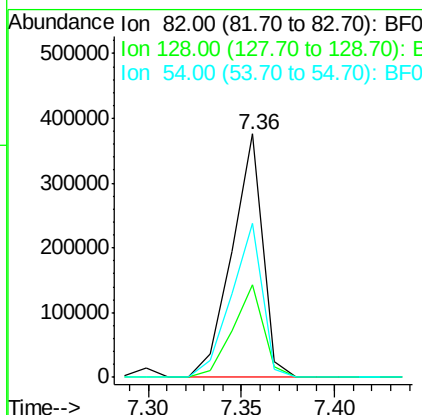
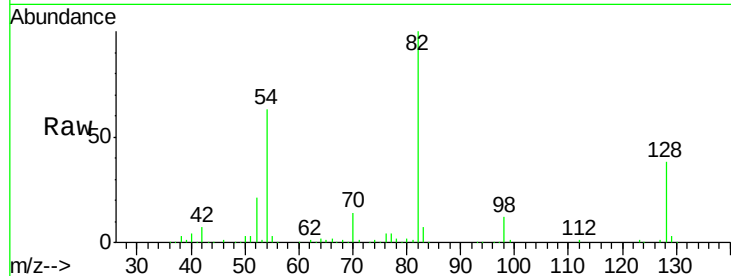
#23
 Nitrobenzene-d5
 Concen: 64.23 ng
 RT: 7.36 min Scan# 461
 Delta R.T. -0.02 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MSD

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	433581		
128	38.2	34.1	51.1	
54	63.2	46.5	69.7	

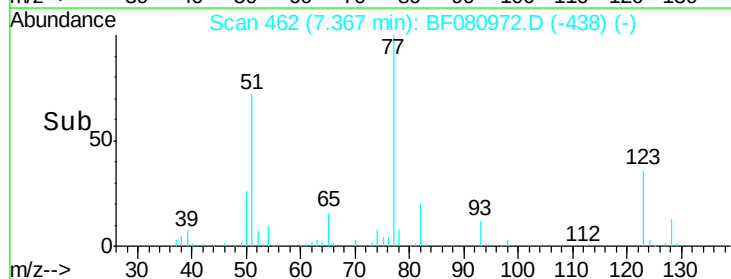
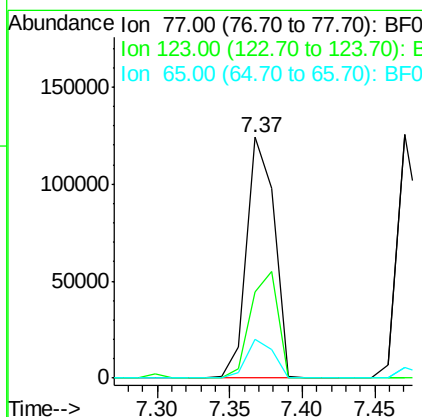
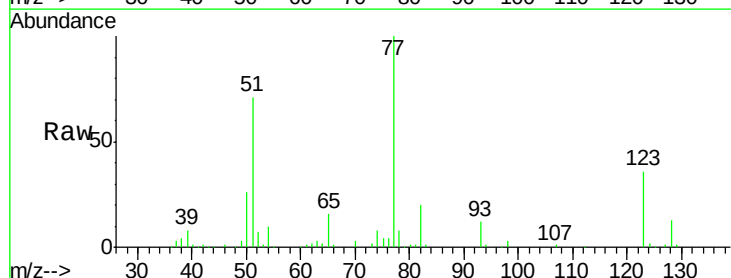
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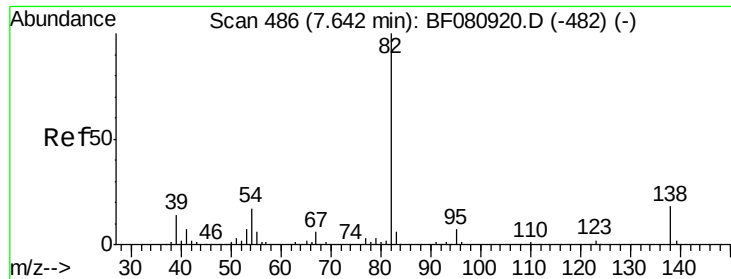
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#24
 Nitrobenzene
 Concen: 23.74 ng
 RT: 7.37 min Scan# 462
 Delta R.T. -0.02 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	164991		
123	35.7	28.7	43.1	
65	16.0	12.5	18.7	





#25

Isophorone

Concen: 27.89 ng

RT: 7.62 min Scan# 484

Delta R.T. -0.02 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

Instrument :

BNA_F

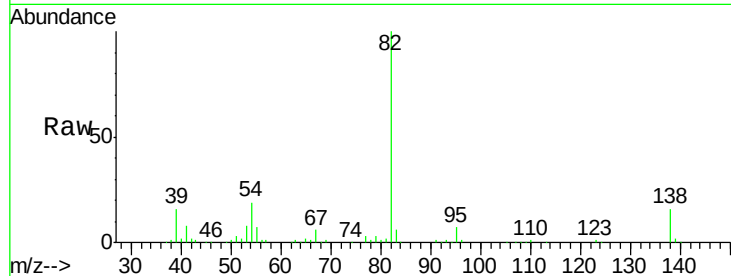
ClientSampleId :

SOIL-2MSD

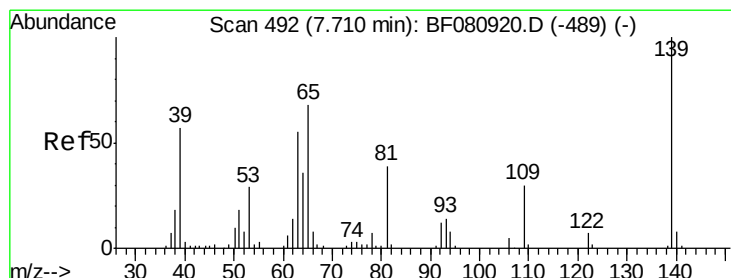
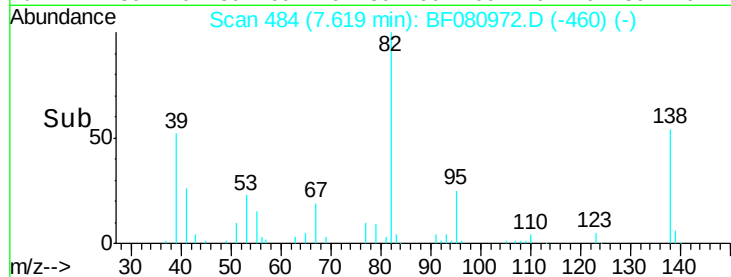
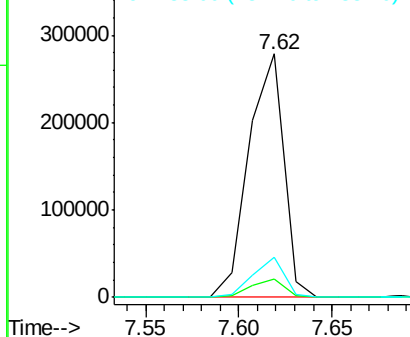
Tgt Ion:	82	Resp:	362096
Ion Ratio	Lower	Upper	
82	100		
95	7.5	5.8	8.6
138	16.2	14.1	21.1

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



#26

2-Nitrophenol

Concen: 28.47 ng

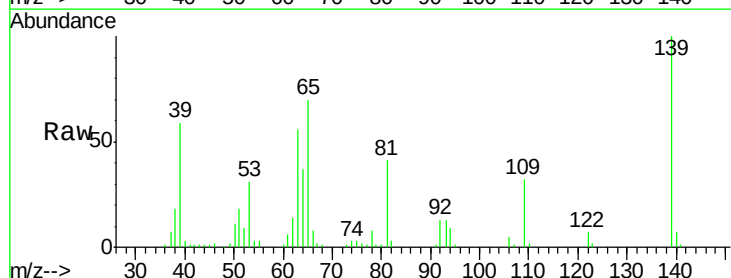
RT: 7.69 min Scan# 490

Delta R.T. -0.02 min

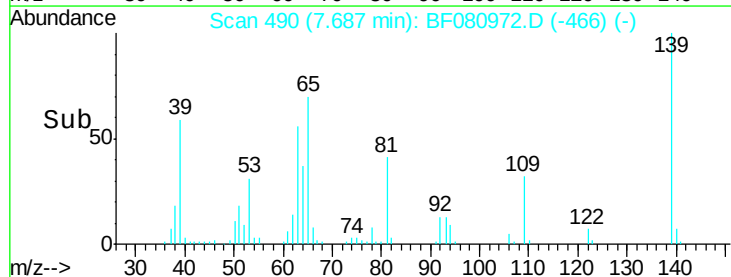
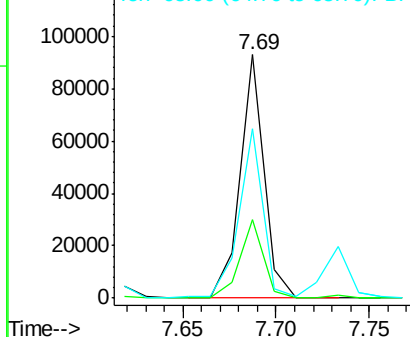
Lab File: BF080972.D

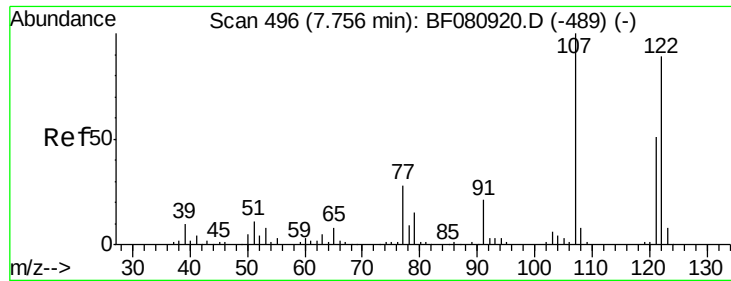
Acq: 11 Aug 2015 20:40

Tgt Ion:	139	Resp:	83272
Ion Ratio	Lower	Upper	
139	100		
109	32.5	24.1	36.1
65	69.8	54.0	81.0



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





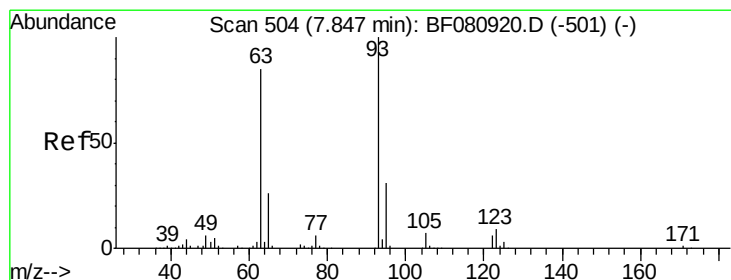
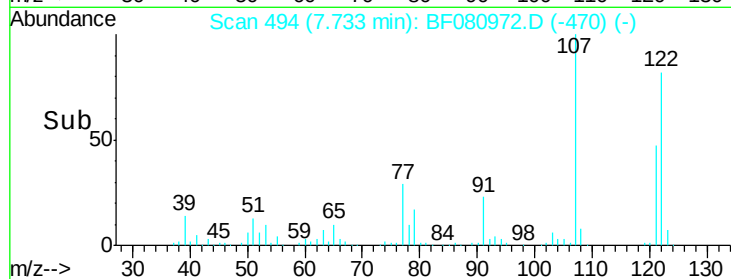
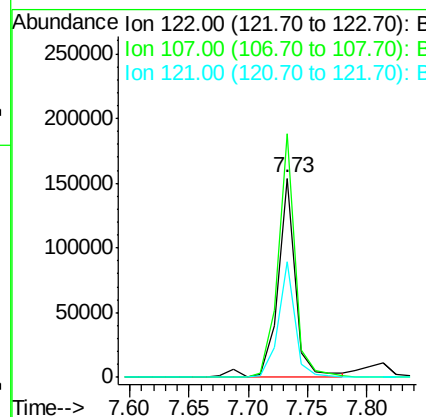
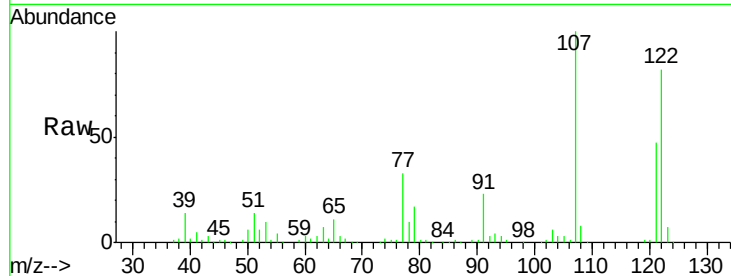
#27
2,4-Dimethylphenol
Concen: 29.29 ng
RT: 7.73 min Scan# 494
Delta R.T. -0.02 min
Lab File: BF080972.D
Acq: 11 Aug 2015 20:40

Instrument :
BNA_F
ClientSampleId :
SOIL-2MSD

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	160360		
107	122.3	90.2	135.4	
121	58.0	46.0	69.0	

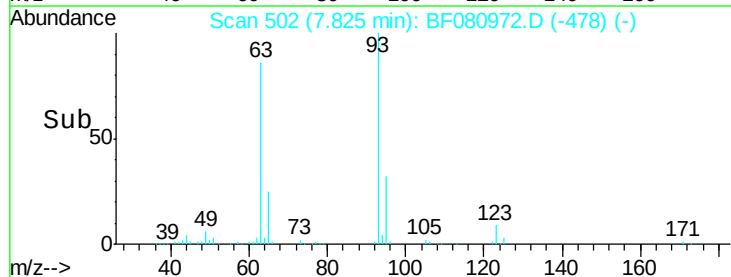
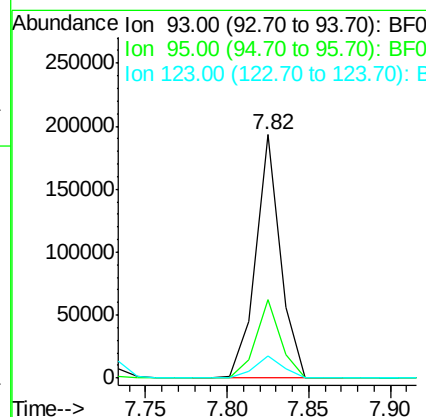
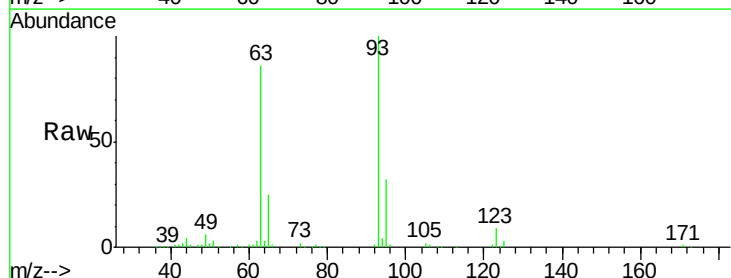
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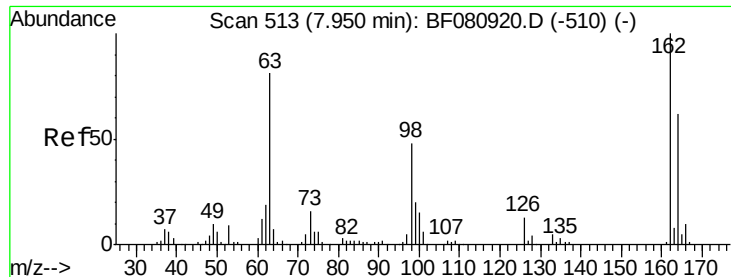
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#28
bis(2-Chloroethoxy)methane
Concen: 26.08 ng
RT: 7.82 min Scan# 502
Delta R.T. -0.02 min
Lab File: BF080972.D
Acq: 11 Aug 2015 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	203266		
95	32.2	25.0	37.4	
123	9.0	7.4	11.0	





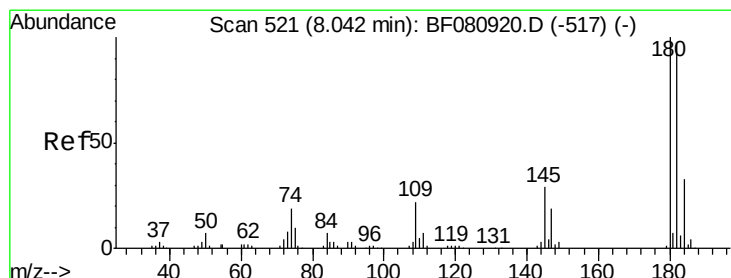
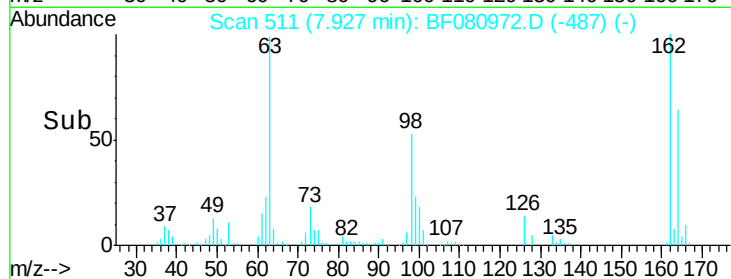
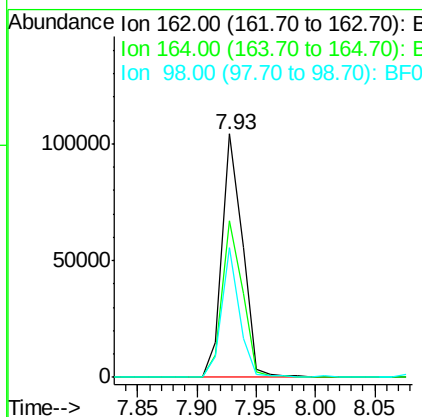
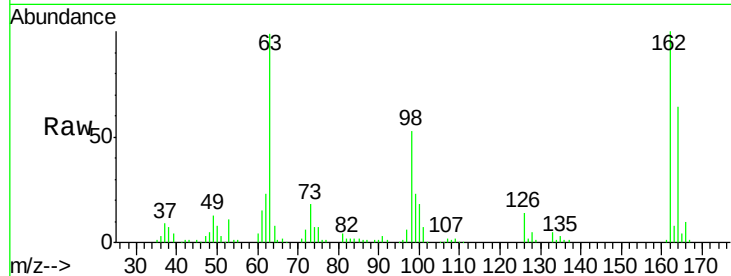
#29
 2,4-Dichlorophenol
 Concen: 27.71 ng
 RT: 7.93 min Scan# 511
 Delta R.T. -0.02 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Instrument :
 BNA_F
 ClientSampled :
 SOIL-2MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
162	100		
164	64.4	42.3	82.3
98	53.3	27.7	67.7

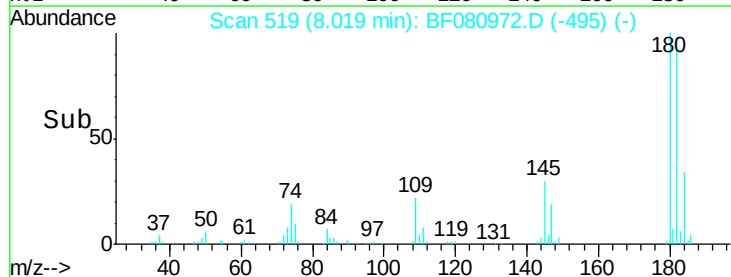
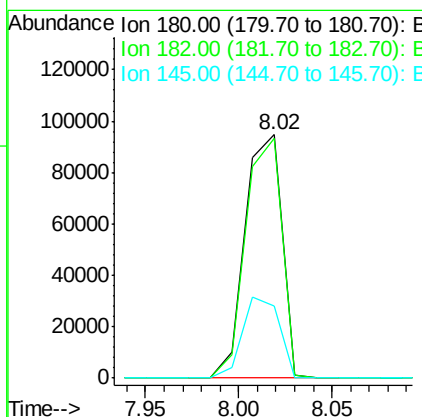
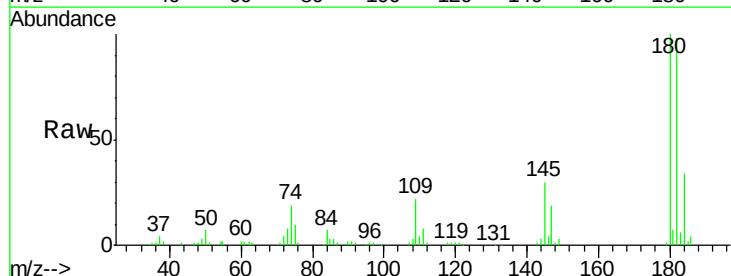
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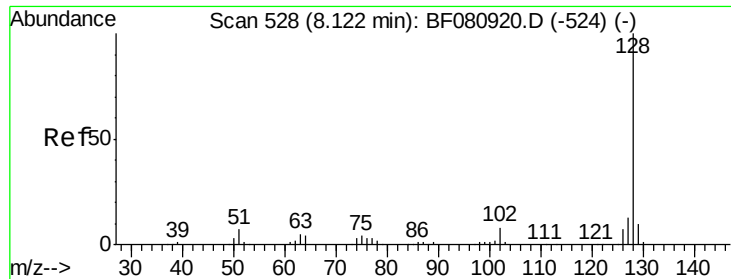
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#30
 1,2,4-Trichlorobenzene
 Concen: 26.72 ng
 RT: 8.02 min Scan# 519
 Delta R.T. -0.02 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	98.3	77.4	116.0
145	29.6	23.2	34.8





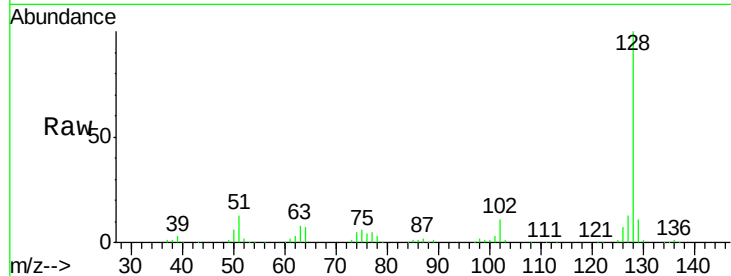
#31
Naphthalene
Concen: 25.72 ng
RT: 8.09 min Scan# 525
Delta R.T. -0.03 min
Lab File: BF080972.D
Acq: 11 Aug 2015 20:40

Instrument :
BNA_F
ClientSampleId :
SOIL-2MSD

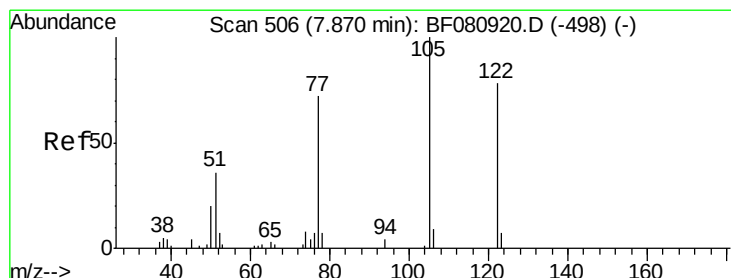
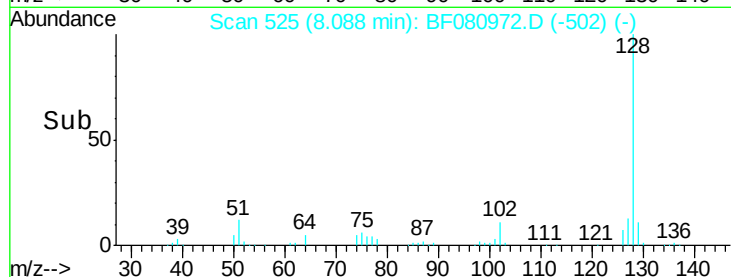
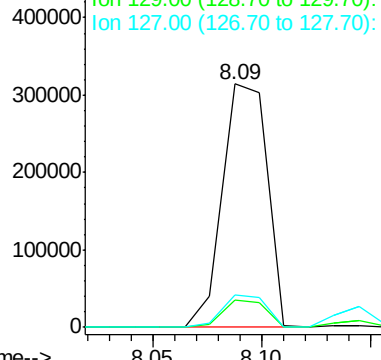
Tgt Ion	Ratio	Resp	Lower	Upper
128	100	452745		
129	11.3	8.4	12.6	
127	13.1	10.5	15.7	

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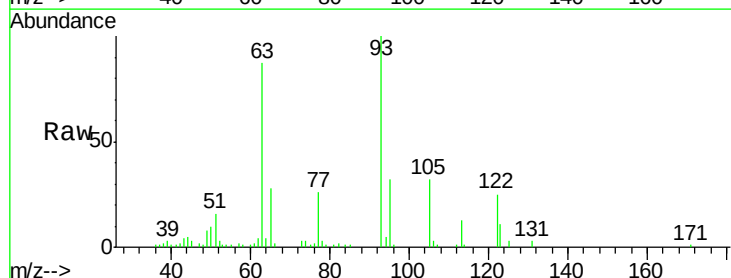


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

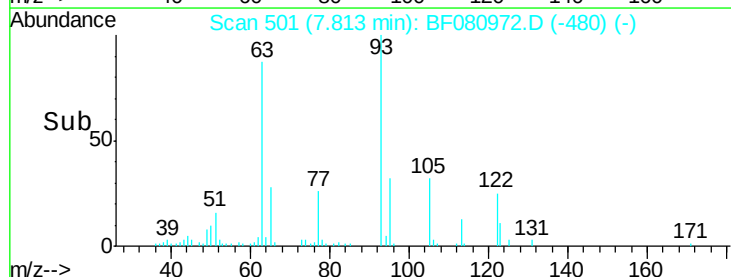
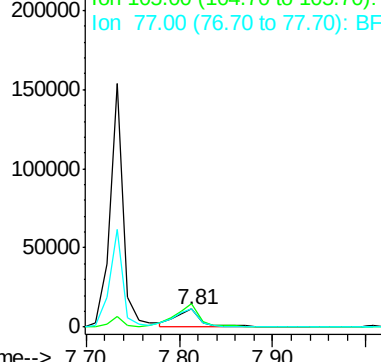


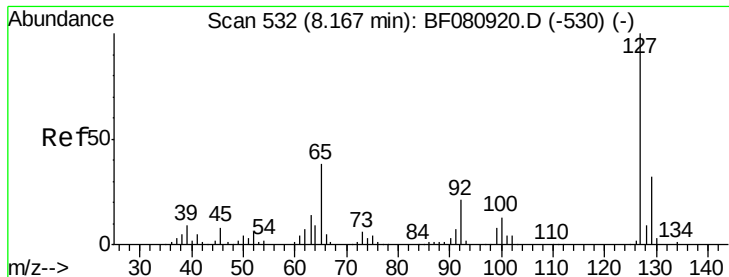
#32
Benzoic acid
Concen: 6.85 ng
RT: 7.81 min Scan# 501
Delta R.T. -0.06 min
Lab File: BF080972.D
Acq: 11 Aug 2015 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	22455		
105	130.1	103.6	143.6	
77	105.8	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





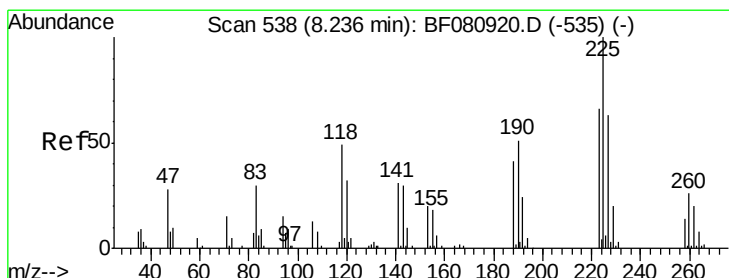
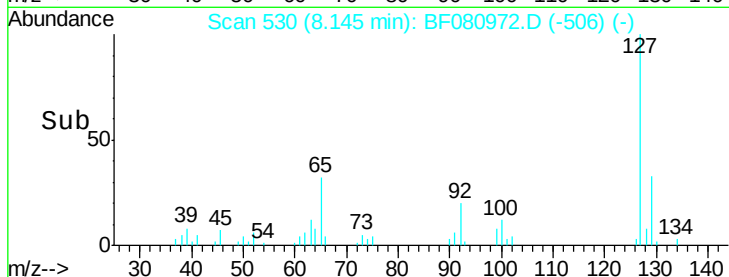
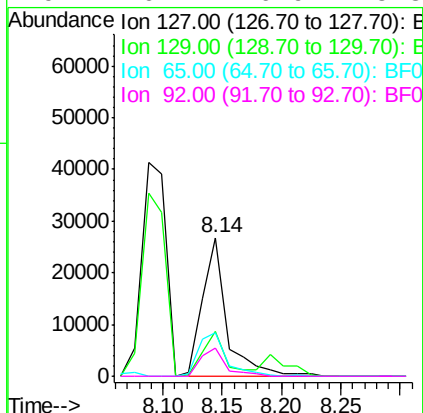
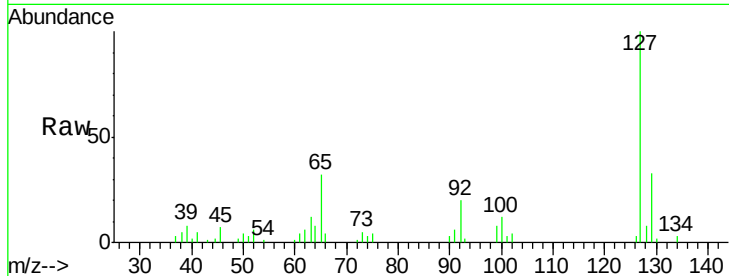
#33
4-Chloroaniline
Concen: 5.32 ng
RT: 8.14 min Scan# 530
Delta R.T. -0.02 min
Lab File: BF080972.D
Acq: 11 Aug 2015 20:40

Instrument :
BNA_F
ClientSampleId :
SOIL-2MSD

Tgt Ion	Ratio	Resp	Lower	Upper
127	100	38043		
129	32.5	25.9	38.9	
65	31.5	30.6	45.8	
92	20.1	16.9	25.3	

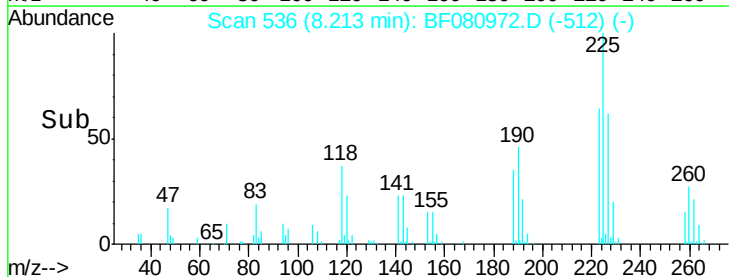
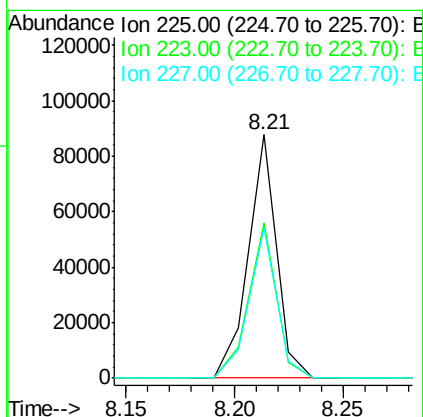
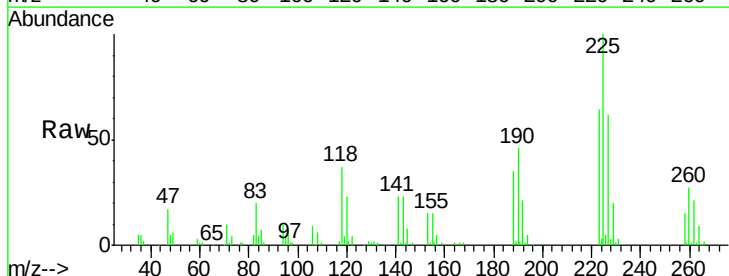
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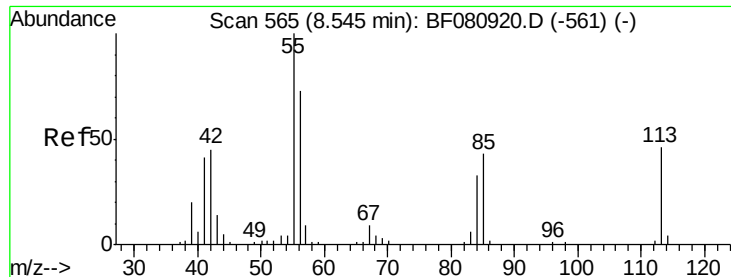
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#34
Hexachlorobutadiene
Concen: 27.07 ng
RT: 8.21 min Scan# 536
Delta R.T. -0.02 min
Lab File: BF080972.D
Acq: 11 Aug 2015 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	79220		
223	63.9	52.5	78.7	
227	61.8	50.3	75.5	





#35

Caprolactam

Concen: 28.92 ng m

RT: 8.52 min Scan# 563

Delta R.T. -0.02 min

Lab File: BF080972.D

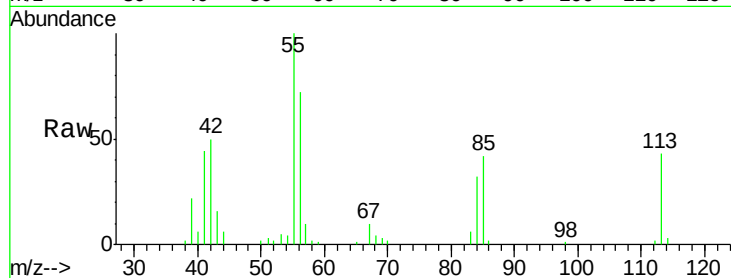
Acq: 11 Aug 2015 20:40

Instrument :

BNA_F

ClientSampleId :

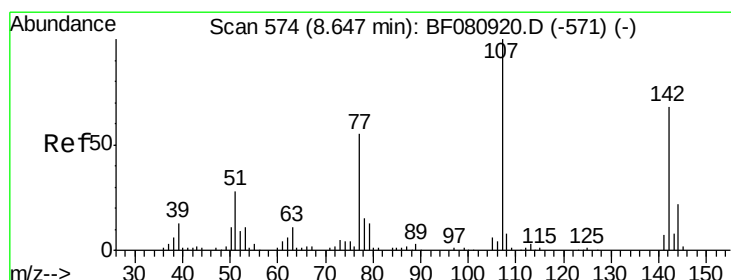
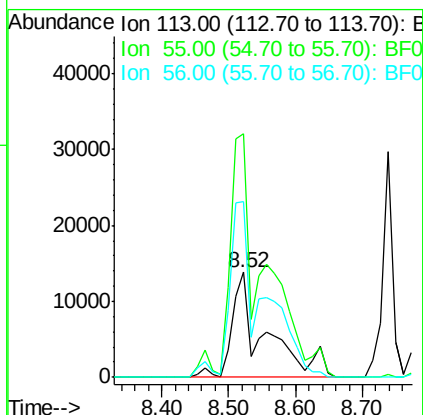
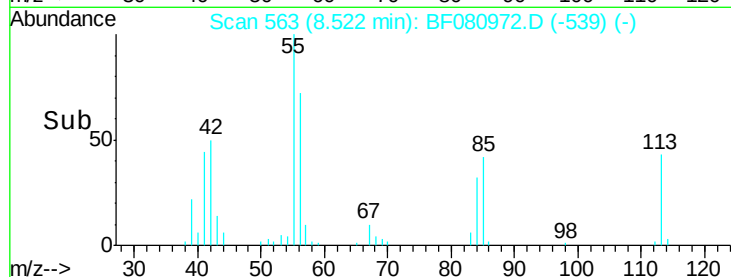
SOIL-2MSD



Tgt Ion:	113	Resp:	46813
Ion Ratio	Lower	Upper	
113	100		
55	232.2	196.4	236.4
56	168.1	137.9	177.9

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#36

4-Chloro-3-methylphenol

Concen: 28.79 ng

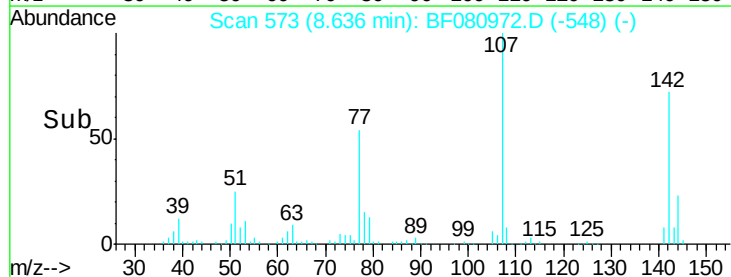
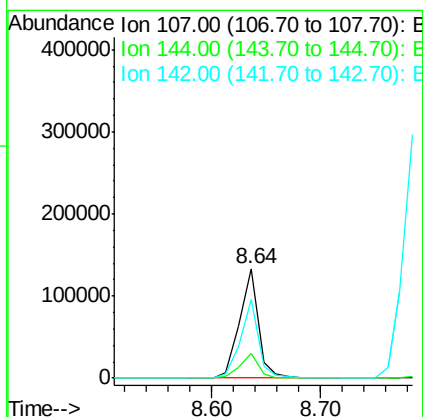
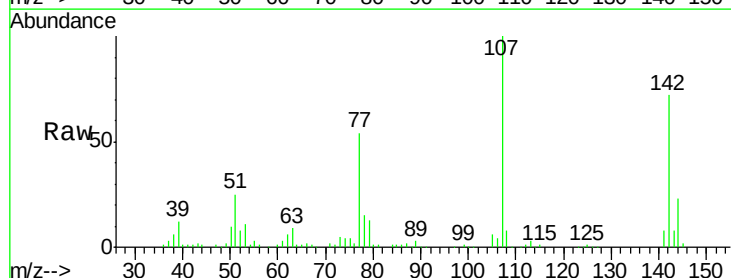
RT: 8.64 min Scan# 573

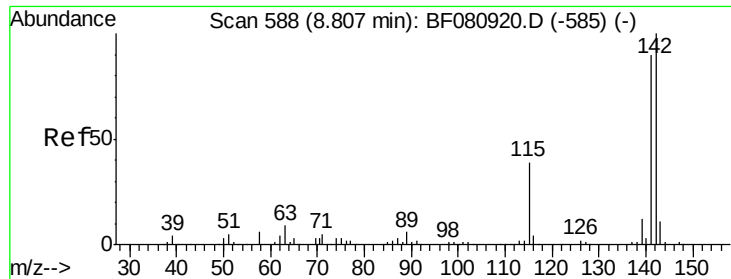
Delta R.T. -0.01 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

Tgt Ion:	107	Resp:	158100
Ion Ratio	Lower	Upper	
107	100		
144	22.7	17.3	25.9
142	71.6	54.4	81.6





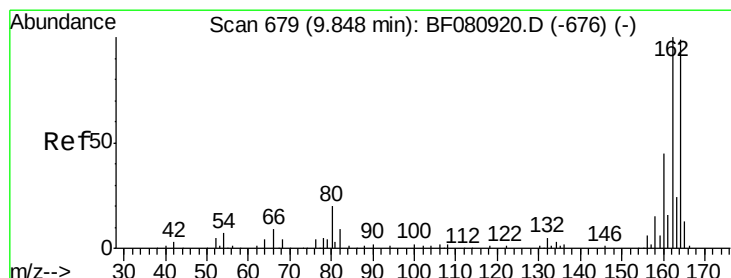
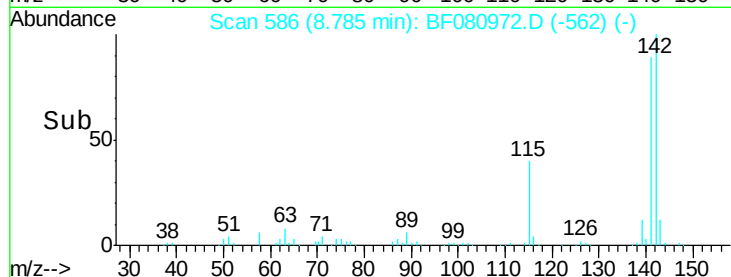
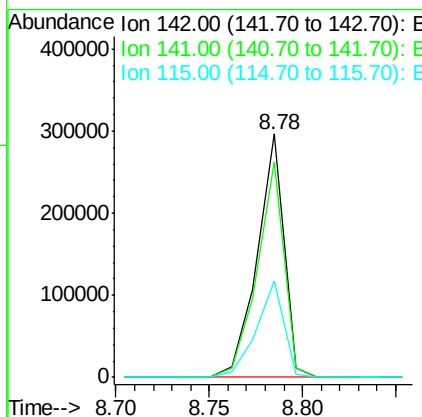
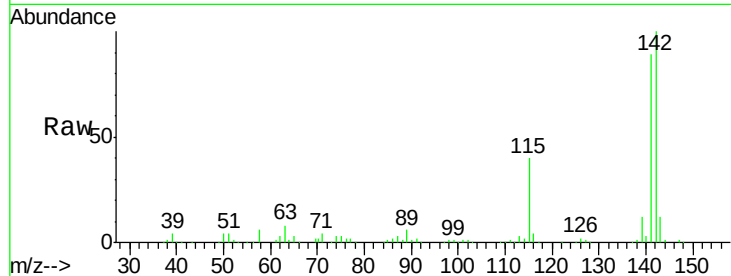
#37
 2-Methylnaphthalene
 Concen: 26.28 ng
 RT: 8.78 min Scan# 586
 Delta R.T. -0.02 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MSD

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	294427		
141	88.7	71.7	107.5	
115	39.8	30.9	46.3	

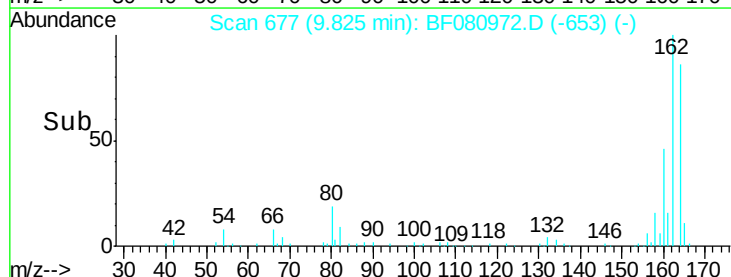
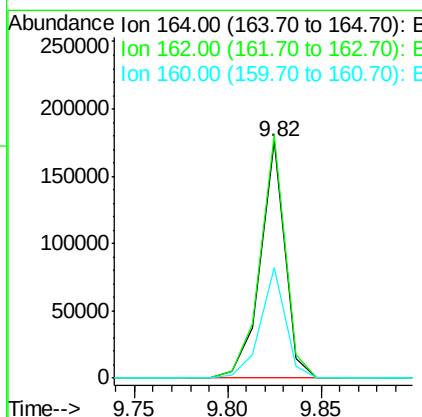
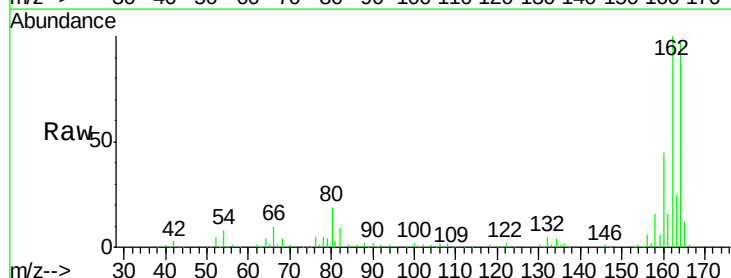
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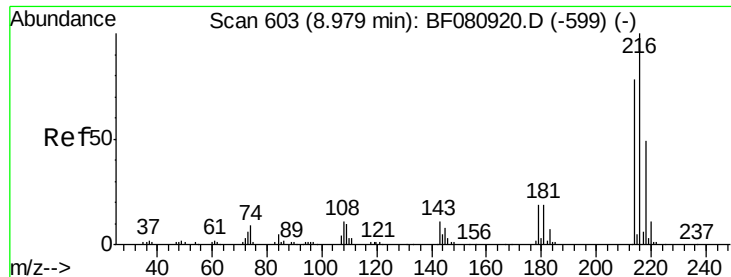
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.82 min Scan# 677
 Delta R.T. -0.02 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	159903		
162	102.7	80.5	120.7	
160	46.4	36.6	54.8	





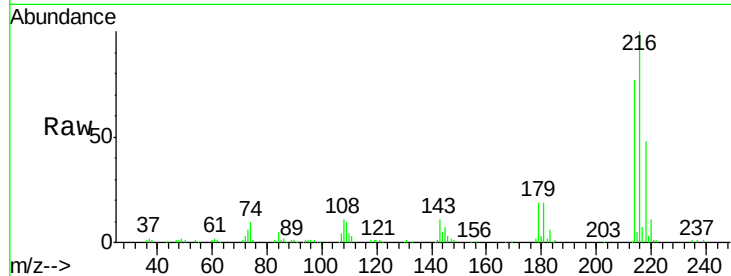
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 31.34 ng
 RT: 8.96 min Scan# 601
 Delta R.T. -0.02 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MSD

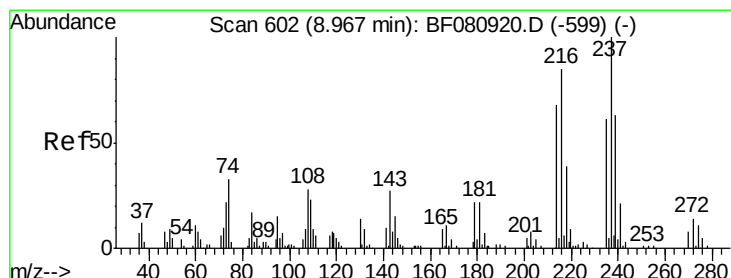
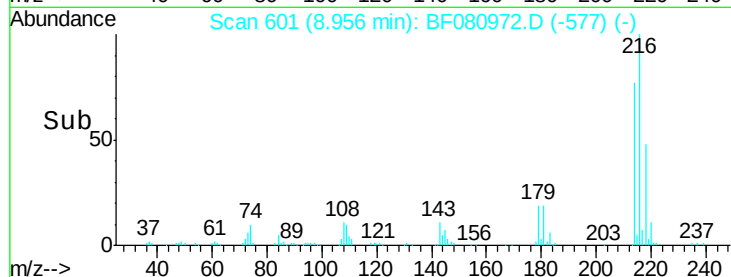
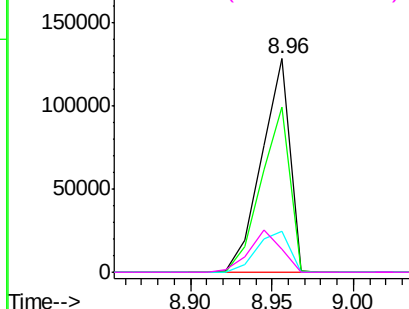
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Tgt Ion	Ratio	Resp	Lower	Upper
216	100	154475		
214	78.8	63.0	94.4	
179	21.8	17.2	25.8	
108	22.2	16.1	24.1	

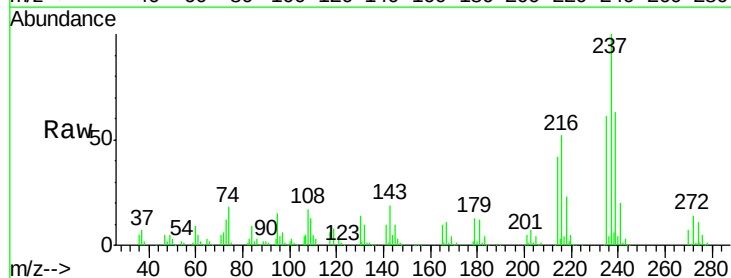


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

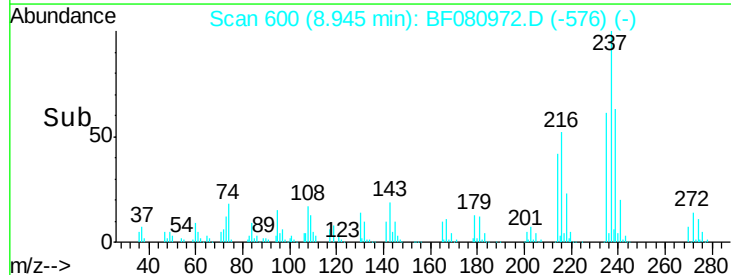
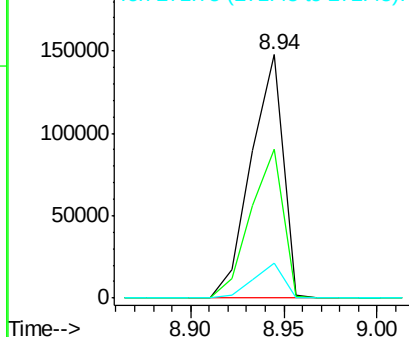


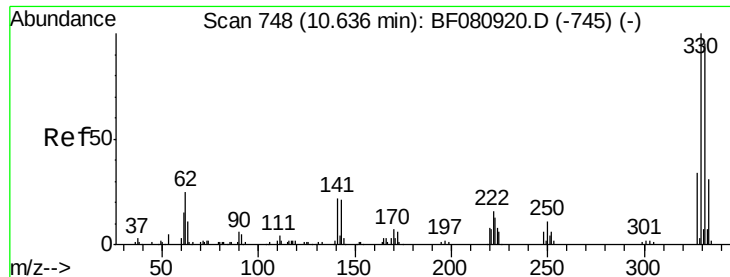
#40
 Hexachlorocyclopentadiene
 Concen: 65.10 ng
 RT: 8.94 min Scan# 600
 Delta R.T. -0.02 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	175114		
235	61.3	41.3	81.3	
272	14.1	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





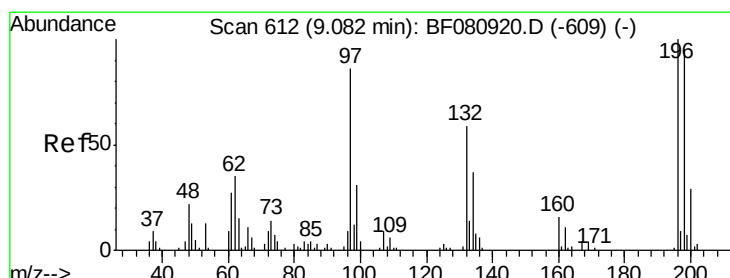
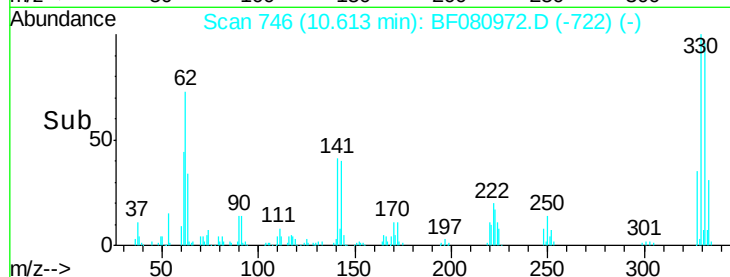
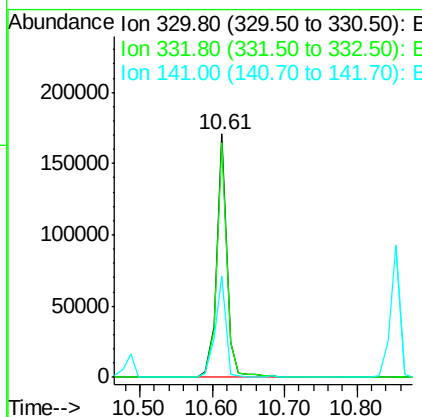
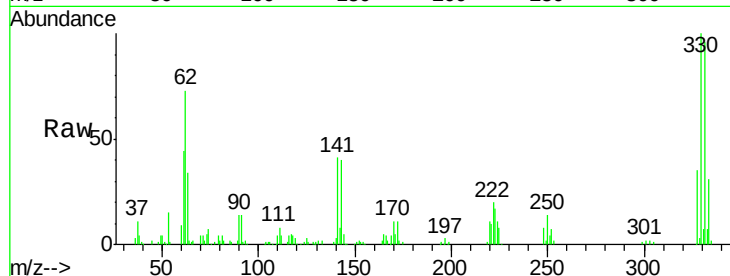
#41
 2,4,6-Tribromophenol
 Concen: 96.11 ng
 RT: 10.61 min Scan# 746
 Delta R.T. -0.02 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MSD

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	168830		
332	95.9	76.2	114.4	
141	43.5	27.8	41.8#	

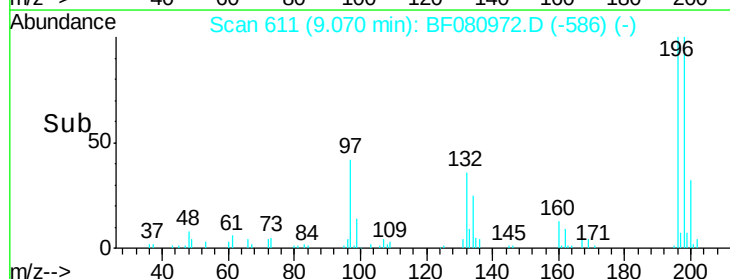
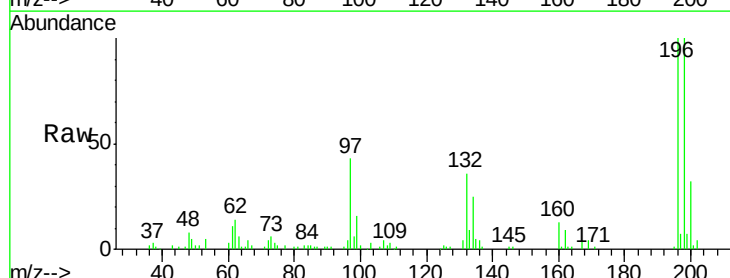
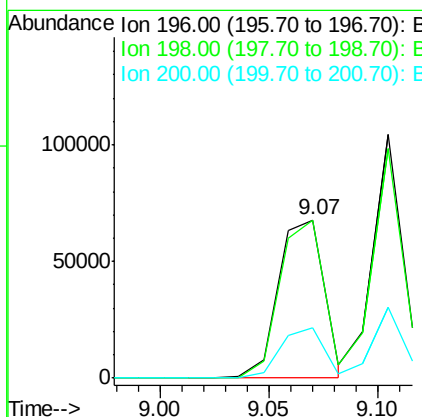
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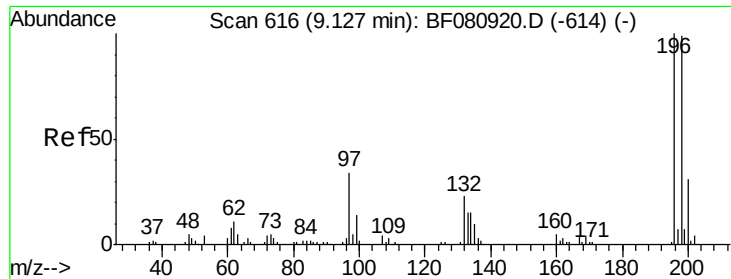
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#42
 2,4,6-Trichlorophenol
 Concen: 27.43 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	99099		
198	100.0	75.9	113.9	
200	31.5	23.1	34.7	





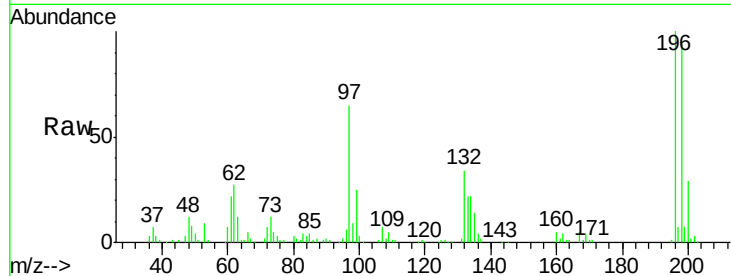
#43
 2,4,5-Trichlorophenol
 Concen: 29.48 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.02 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MSD

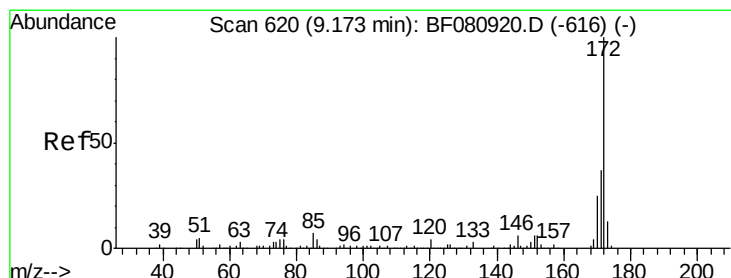
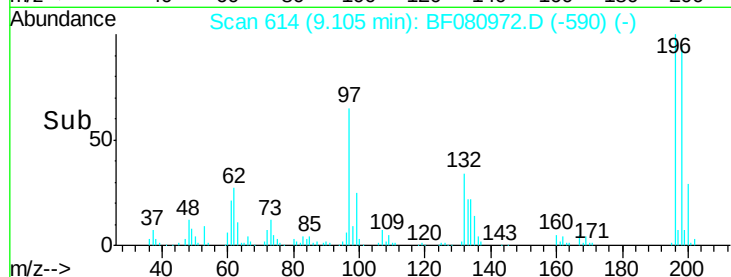
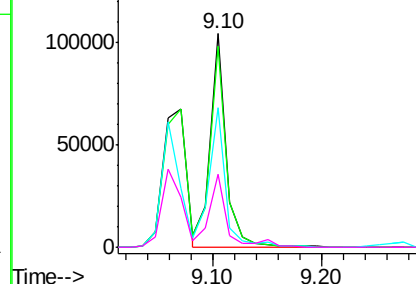
Tgt Ion	Ratio	Resp	Lower	Upper
196	100	107323		
198	94.3	78.9	118.3	
97	65.3	29.1	43.7#	
132	34.3	19.1	28.7#	

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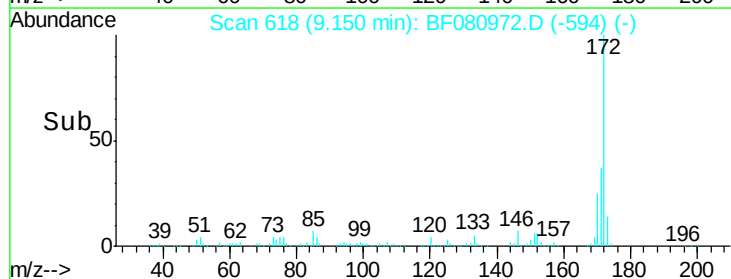
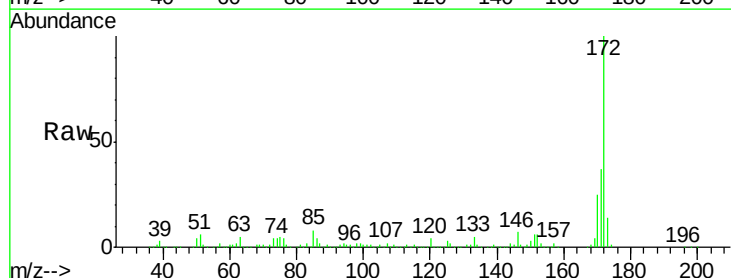
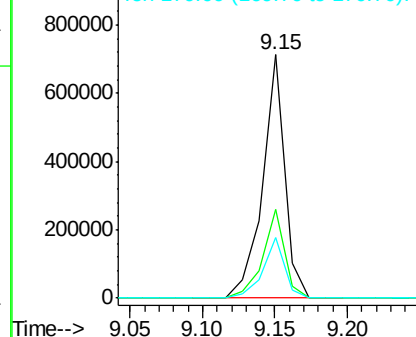
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

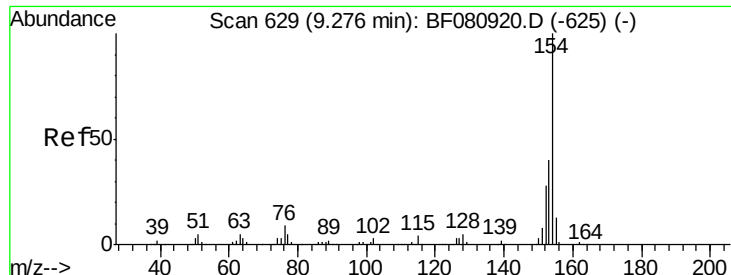


#44
 2-Fluorobiphenyl
 Concen: 66.24 ng
 RT: 9.15 min Scan# 618
 Delta R.T. -0.02 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	752387		
171	36.7	29.4	44.0	
170	24.9	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





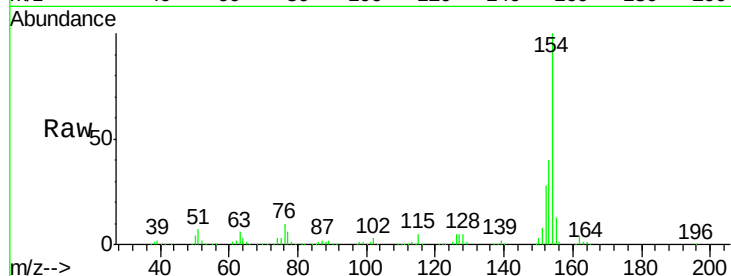
#45
 1,1'-Biphenyl
 Concen: 39.25 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.02 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MSD

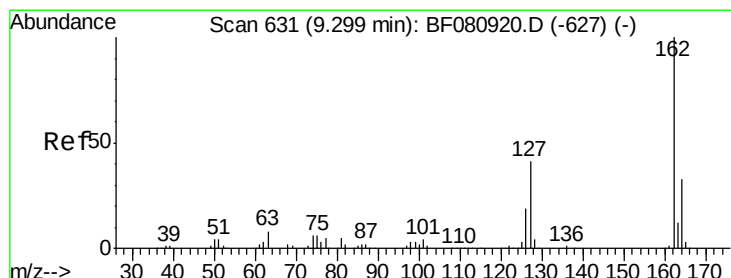
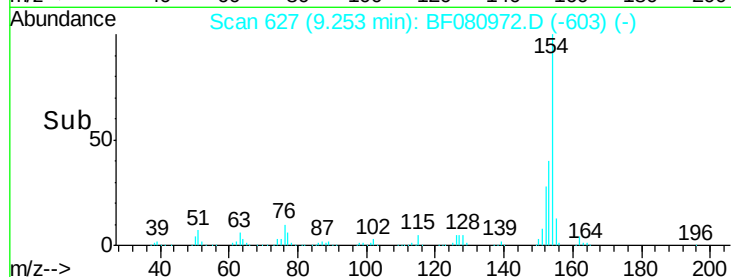
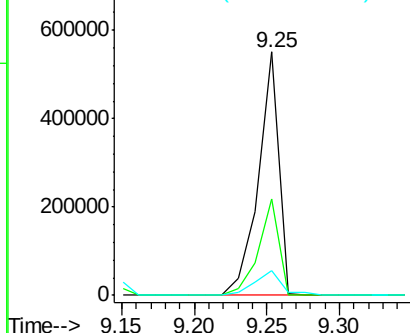
Tgt Ion:	154	Resp:	538675
Ion Ratio	Lower	Upper	
154	100		
153	39.8	20.1	60.1
76	10.4	0.0	29.3

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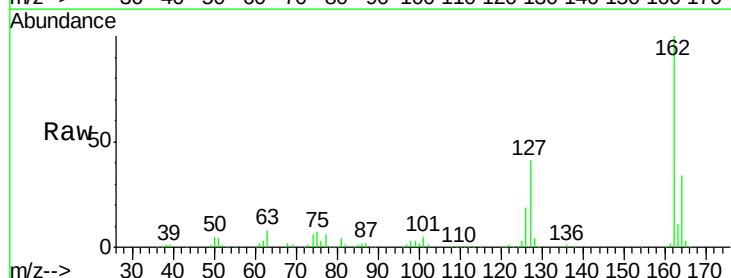


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): E

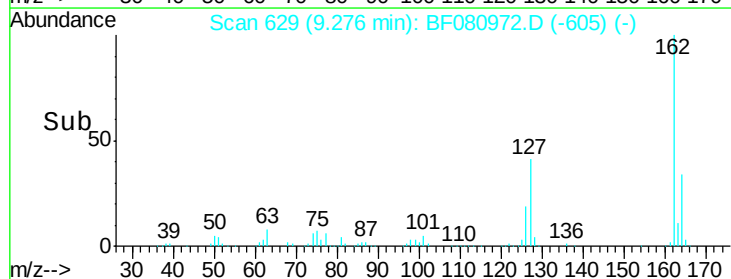
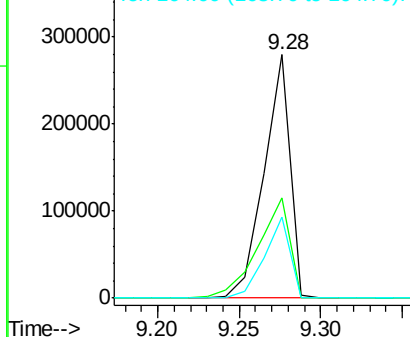


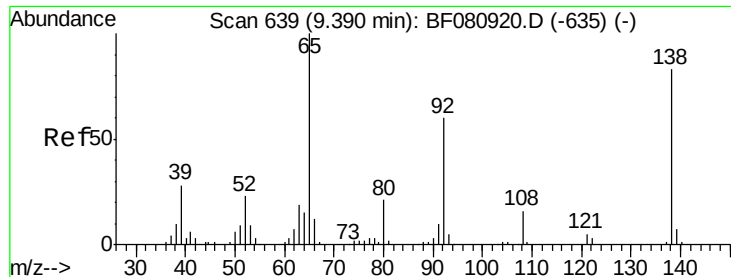
#46
 2-Chloronaphthalene
 Concen: 28.88 ng
 RT: 9.28 min Scan# 629
 Delta R.T. -0.02 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Tgt Ion:	162	Resp:	309033
Ion Ratio	Lower	Upper	
162	100		
127	40.9	32.5	48.7
164	33.5	26.2	39.4



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E





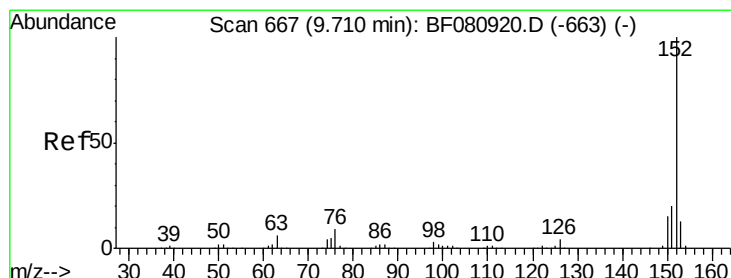
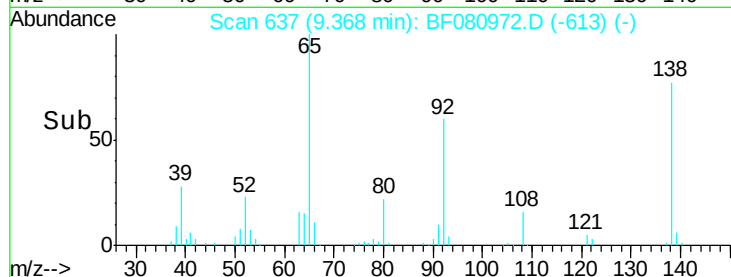
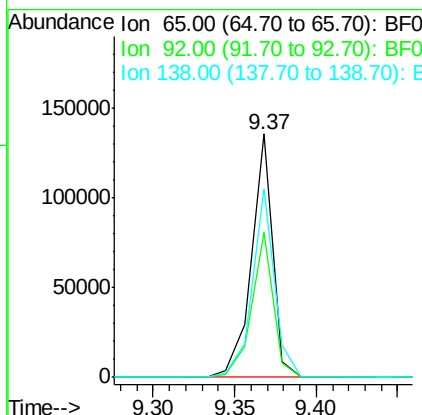
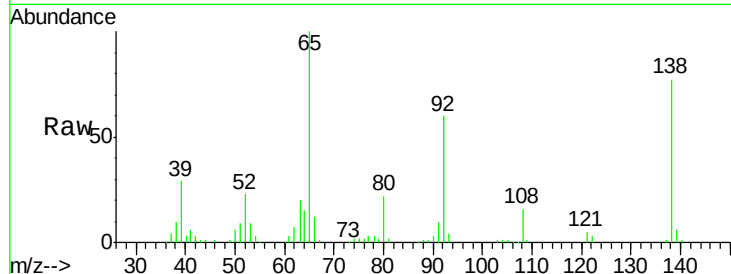
#47
 2-Nitroaniline
 Concen: 28.56 ng
 RT: 9.37 min Scan# 637
 Delta R.T. -0.02 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MSD

Tgt Ion:	65	Resp:	122504
Ion Ratio	Lower	Upper	
65	100		
92	59.7	48.0	72.0
138	77.2	66.1	99.1

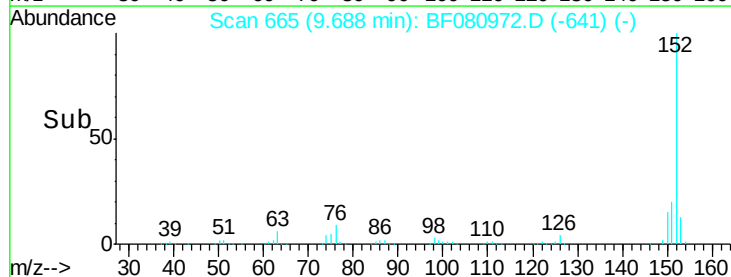
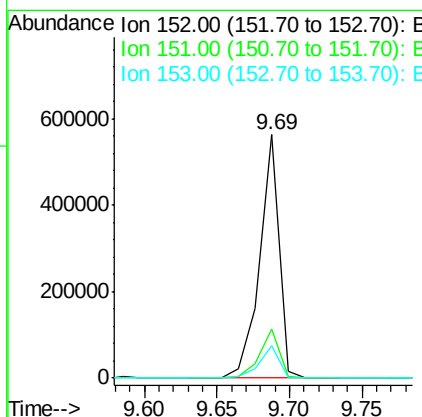
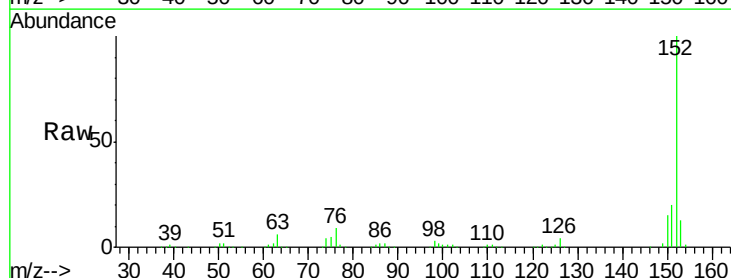
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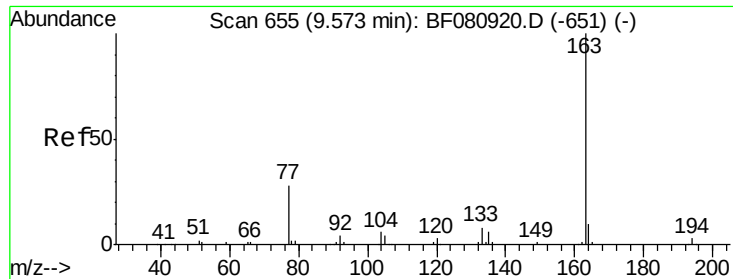
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#48
 Acenaphthylene
 Concen: 28.17 ng
 RT: 9.69 min Scan# 665
 Delta R.T. -0.02 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Tgt Ion:	152	Resp:	523927
Ion Ratio	Lower	Upper	
152	100		
151	20.3	16.3	24.5
153	13.3	10.5	15.7





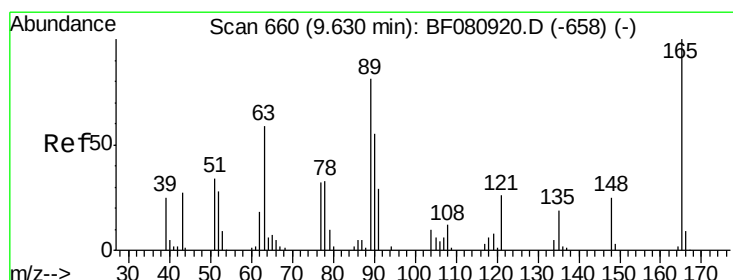
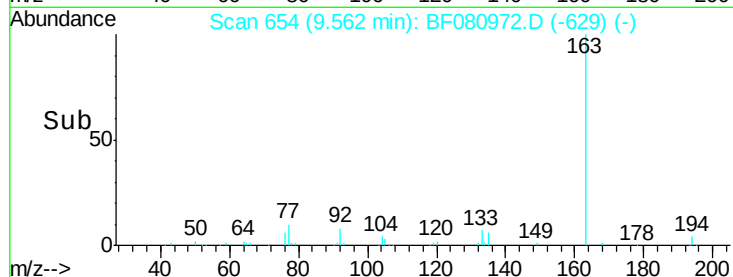
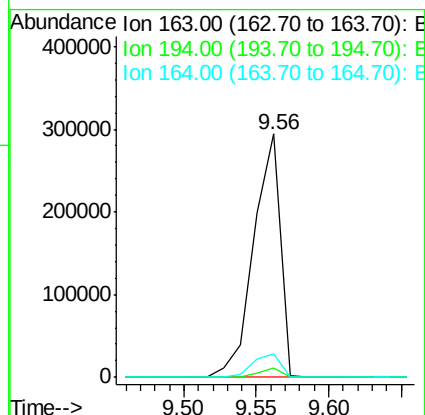
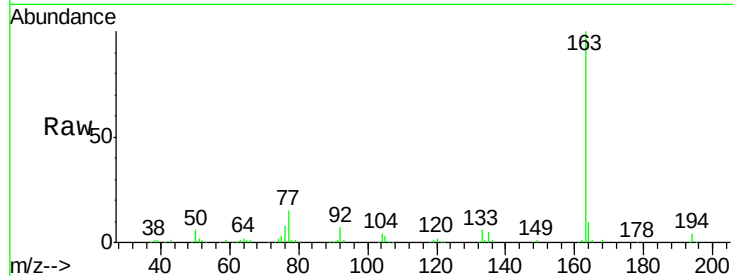
#49
Dimethylphthalate
Concen: 28.17 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.01 min
Lab File: BF080972.D
Acq: 11 Aug 2015 20:40

Instrument :
BNA_F
ClientSampleId :
SOIL-2MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.8	2.4	3.6#
164	9.6	8.2	12.4

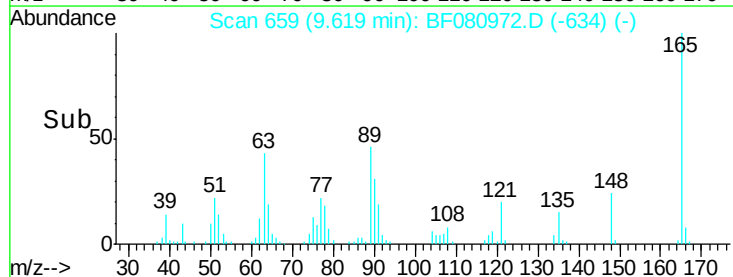
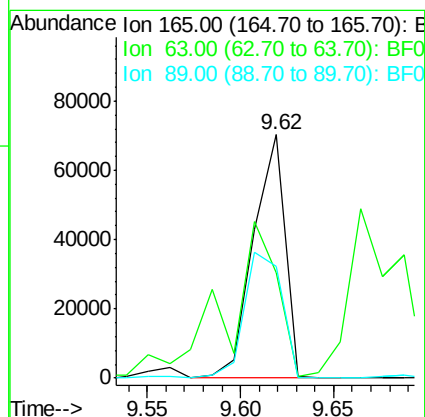
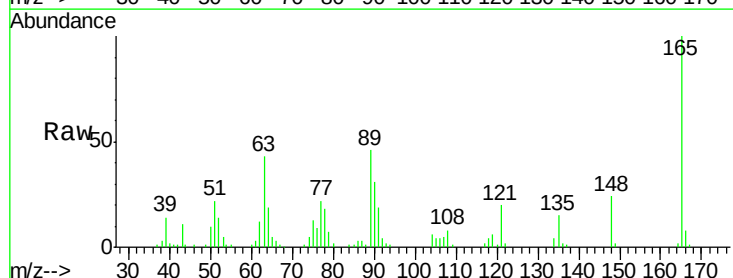
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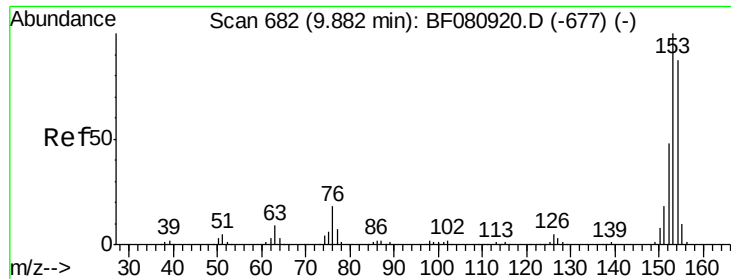
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#50
2,6-Dinitrotoluene
Concen: 29.98 ng
RT: 9.62 min Scan# 659
Delta R.T. -0.01 min
Lab File: BF080972.D
Acq: 11 Aug 2015 20:40

Tgt Ion	Ratio	Resp Lower	Resp Upper
165	100		
63	43.5	77.6	116.4#
89	45.8	64.5	96.7#





#51

Acenaphthene

Concen: 28.64 ng

RT: 9.86 min Scan# 680

Delta R.T. -0.02 min

Lab File: BF080972.D

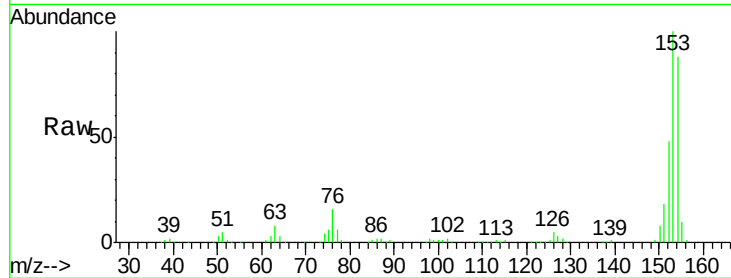
Acq: 11 Aug 2015 20:40

Instrument :

BNA_F

ClientSampleId :

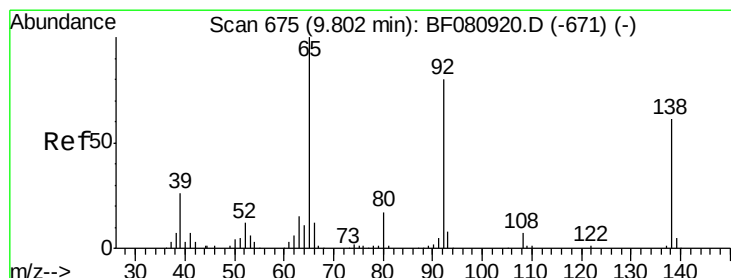
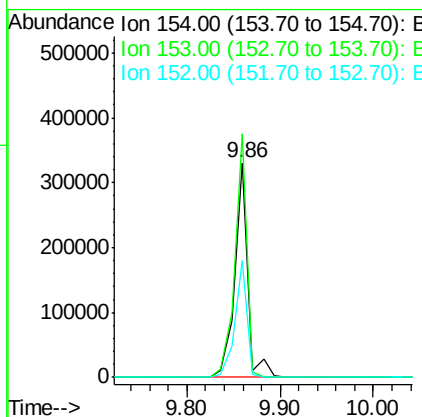
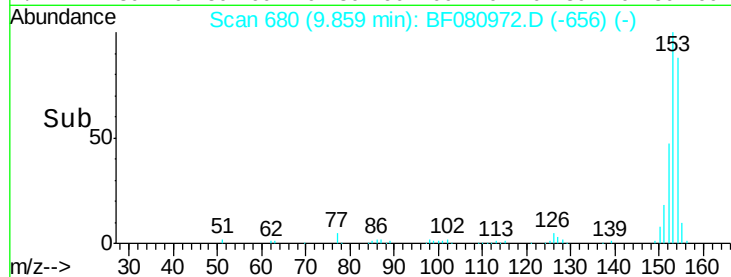
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Tgt Ion:	154	Resp:	326241
Ion Ratio	Lower	Upper	
154	100		
153	113.4	91.4	137.2
152	54.5	44.2	66.4

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#52

3-Nitroaniline

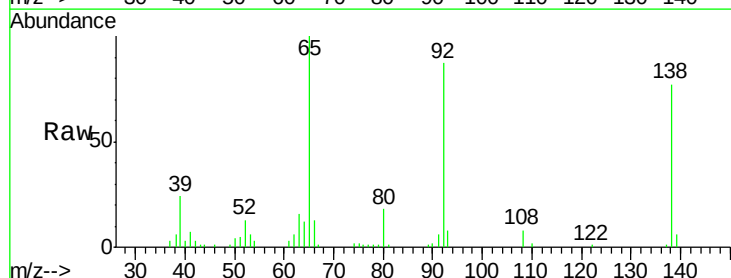
Concen: 9.50 ng

RT: 9.78 min Scan# 673

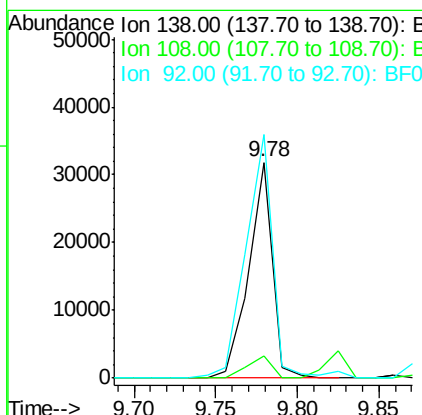
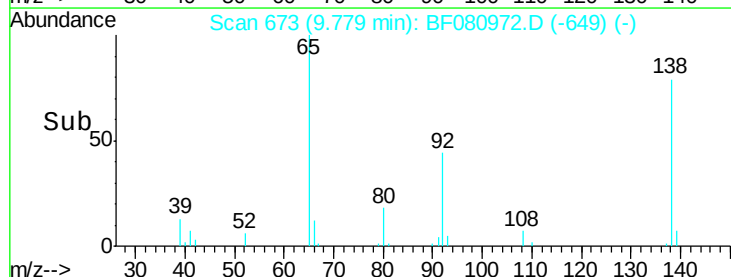
Delta R.T. -0.02 min

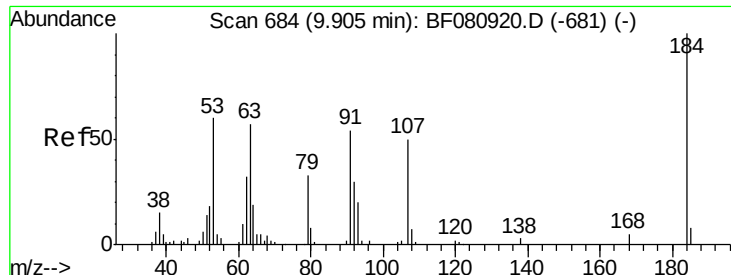
Lab File: BF080972.D

Acq: 11 Aug 2015 20:40



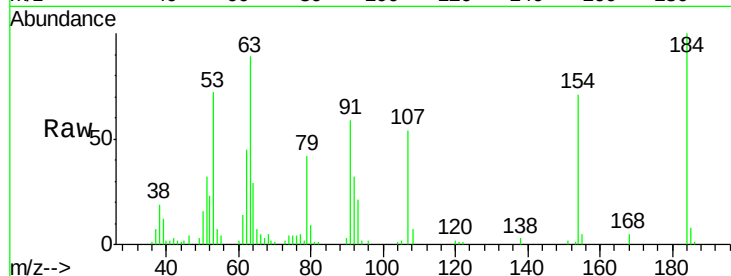
Tgt Ion:	138	Resp:	32148
Ion Ratio	Lower	Upper	
138	100		
108	10.2	8.7	13.1
92	112.7	104.4	156.6





#53
 2,4-Dinitrophenol
 Concen: 26.20 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.02 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

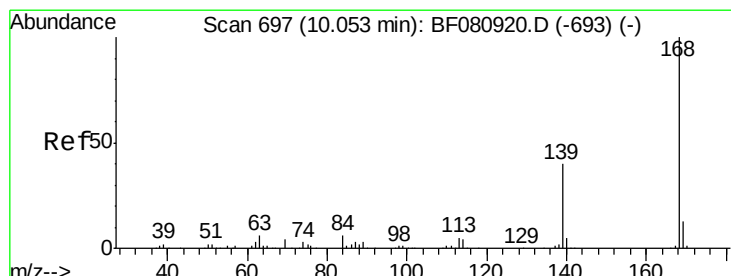
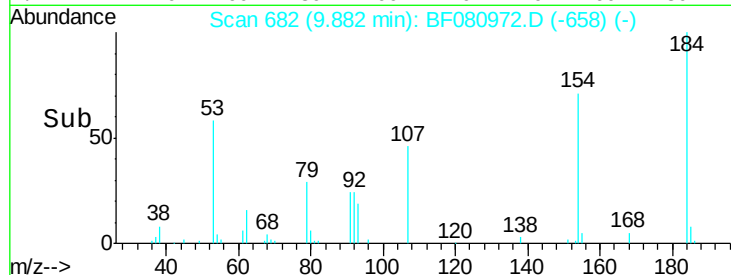
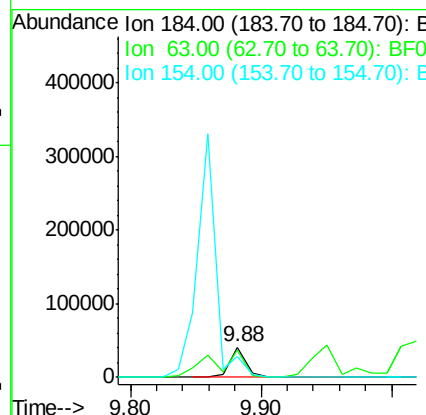
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MSD



Tgt Ion	Ratio	Resp	Lower	Upper
184	100	36228		
63	89.2	59.7	89.5	
154	70.7	53.8	80.8	

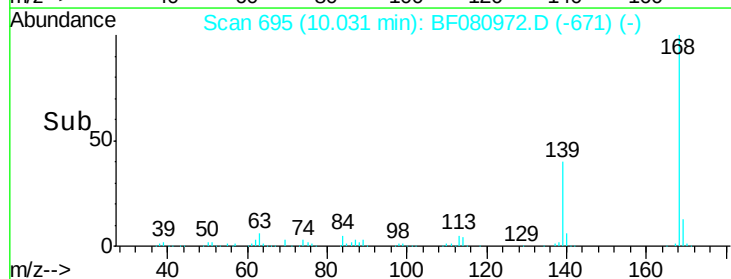
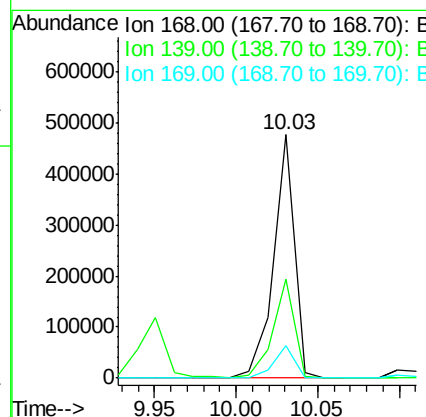
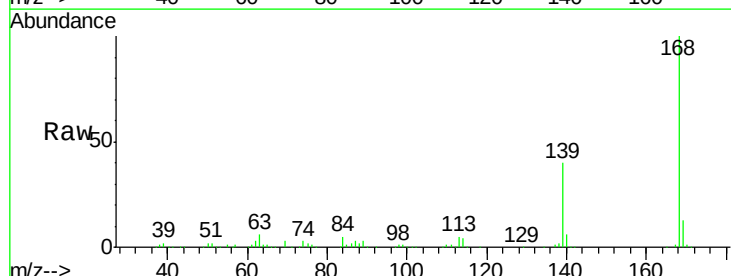
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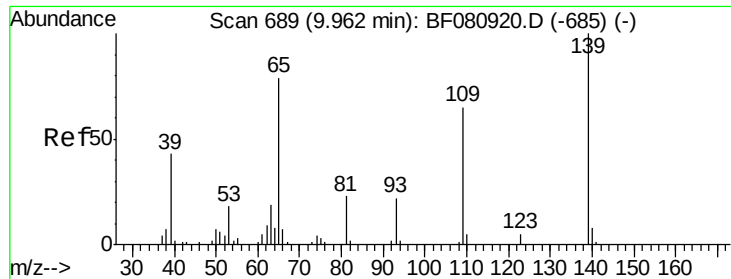
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#54
 Dibenzofuran
 Concen: 27.74 ng
 RT: 10.03 min Scan# 695
 Delta R.T. -0.02 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	427273		
139	40.4	31.9	47.9	
169	13.2	10.6	15.8	





#55

4-Nitrophenol

Concen: 53.92 ng

RT: 9.95 min Scan# 688

Delta R.T. -0.01 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

Instrument :

BNA_F

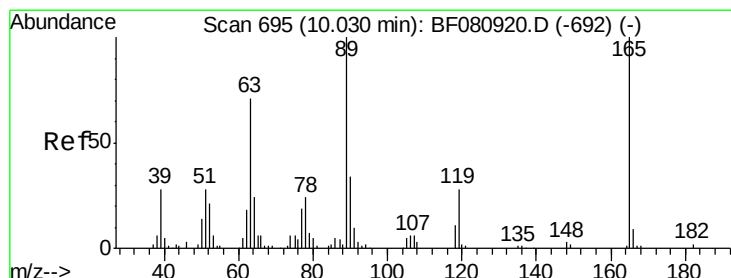
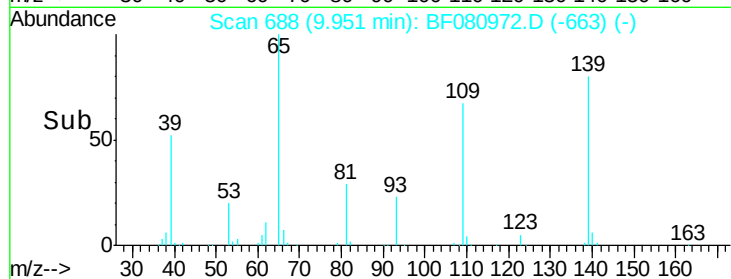
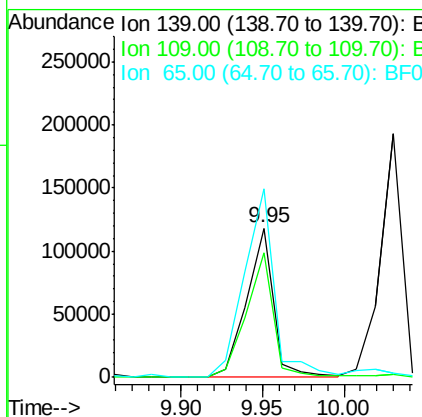
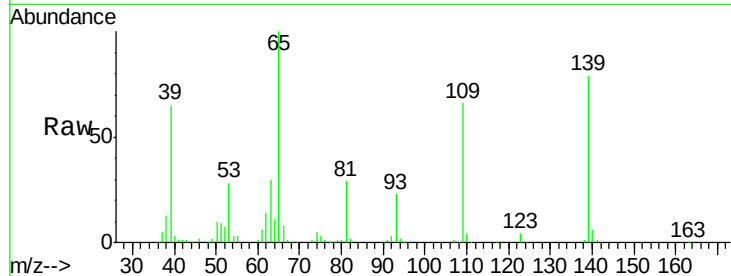
ClientSampled :

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Tgt Ion:	139	Resp:	136536
Ion Ratio	Lower	Upper	
139	100		
109	83.1	44.7	84.7
65	126.5	59.5	99.5#



#56

2,4-Dinitrotoluene

Concen: 29.49 ng

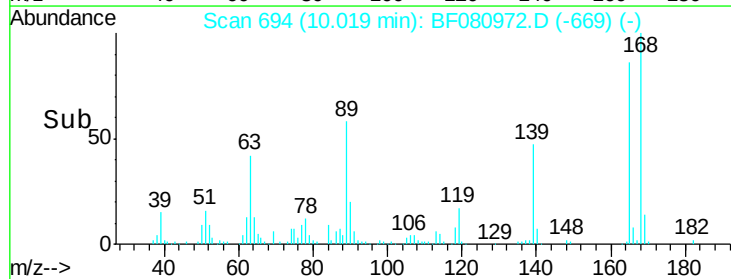
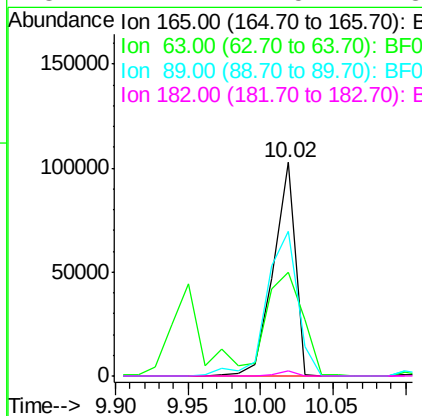
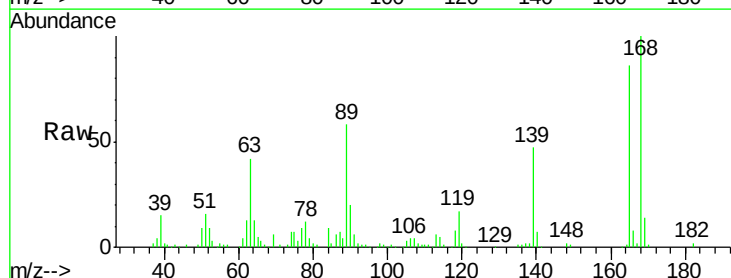
RT: 10.02 min Scan# 694

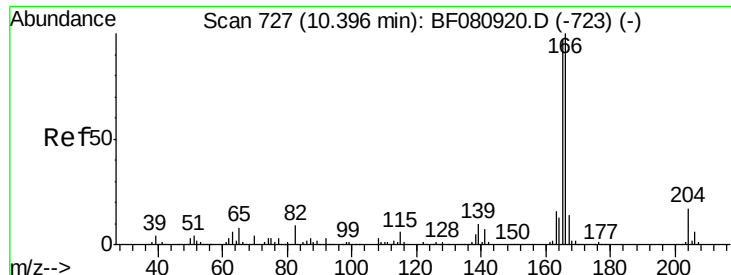
Delta R.T. -0.01 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

Tgt Ion:	165	Resp:	108279
Ion Ratio	Lower	Upper	
165	100		
63	48.6	56.7	85.1#
89	67.6	80.4	120.6#
182	2.2	1.5	2.3





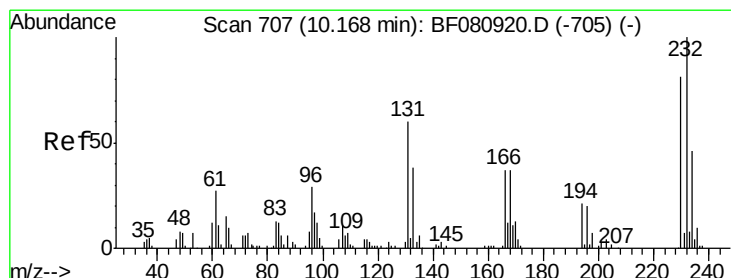
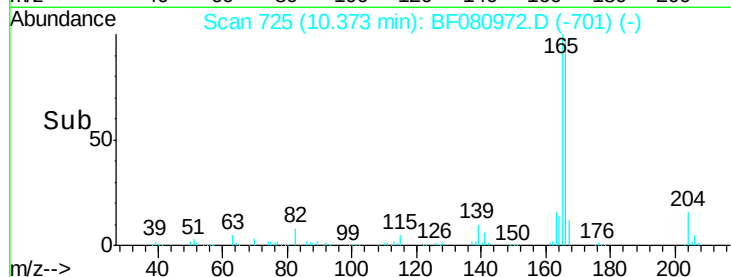
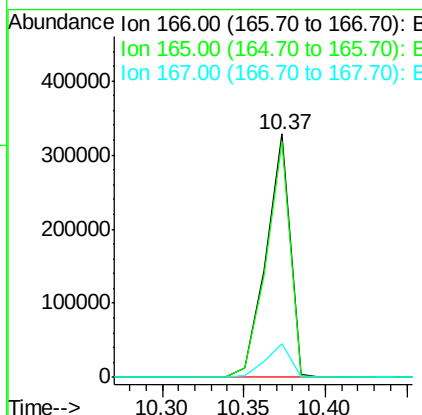
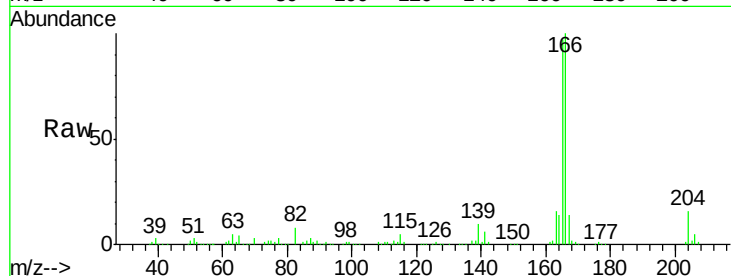
#57
 Fluorene
 Concen: 28.12 ng
 RT: 10.37 min Scan# 725
 Delta R.T. -0.02 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
166	100	335062		
165	96.8	77.2	115.8	
167	13.6	10.8	16.2	

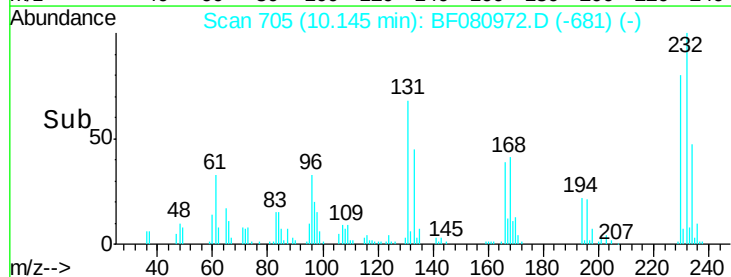
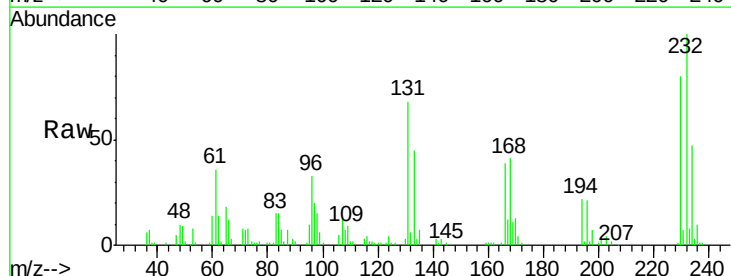
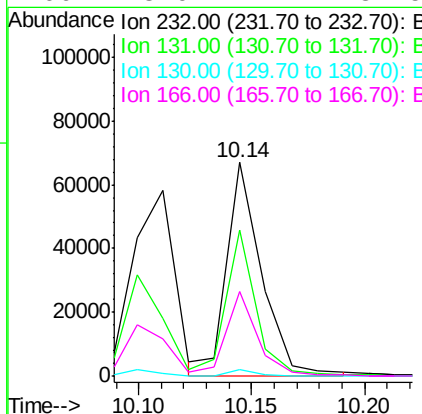
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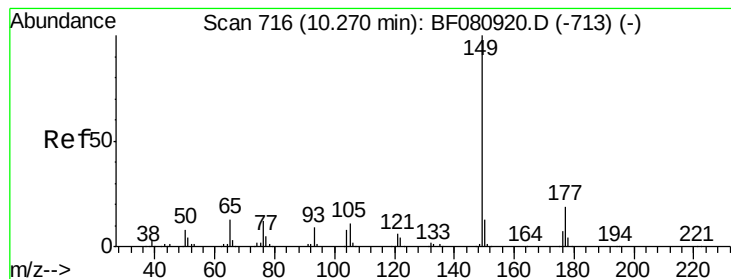
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#58
 2,3,4,6-Tetrachlorophenol
 Concen: 25.00 ng m
 RT: 10.14 min Scan# 705
 Delta R.T. -0.02 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	72039		
131	50.9	39.4	59.2	
130	2.9	2.1	3.1	
166	28.0	21.7	32.5	





#59

Diethylphthalate

Concen: 28.44 ng

RT: 10.26 min Scan# 715

Delta R.T. -0.01 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

Instrument :

BNA_F

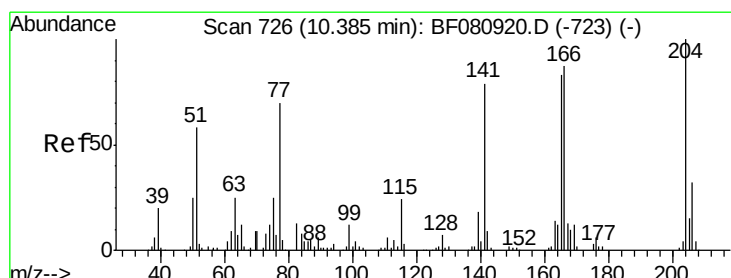
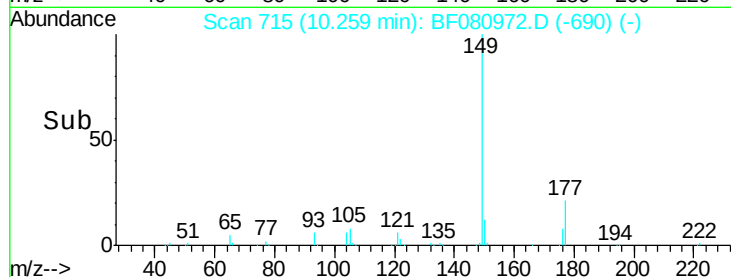
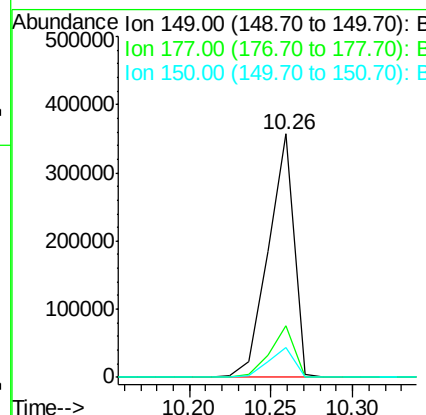
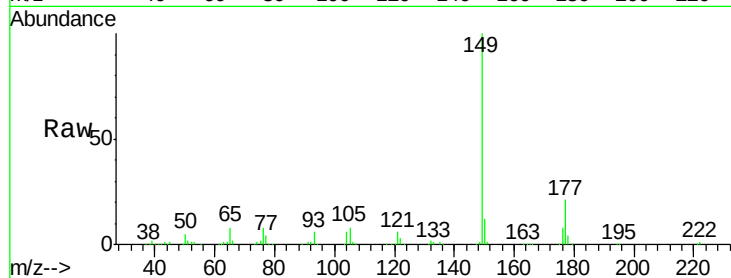
ClientSampleId :

SOIL-2MSD

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Tgt Ion:	149	Resp:	393243
Ion Ratio	Lower	Upper	
149	100		
177	21.1	15.0	22.4
150	12.1	10.4	15.6



#60

4-Chlorophenyl-phenylether

Concen: 23.05 ng

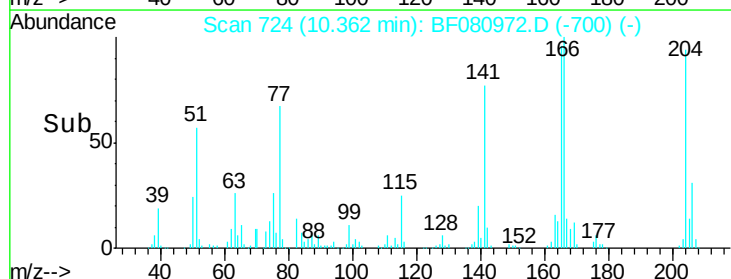
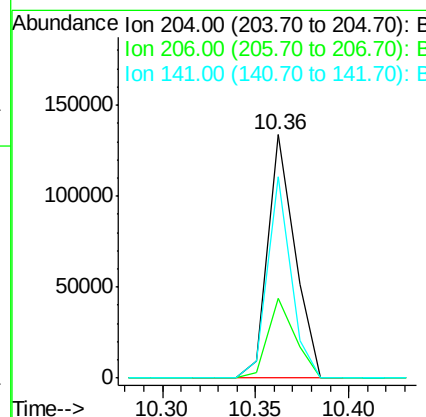
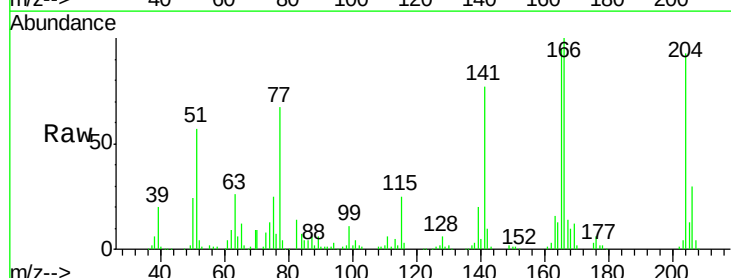
RT: 10.36 min Scan# 724

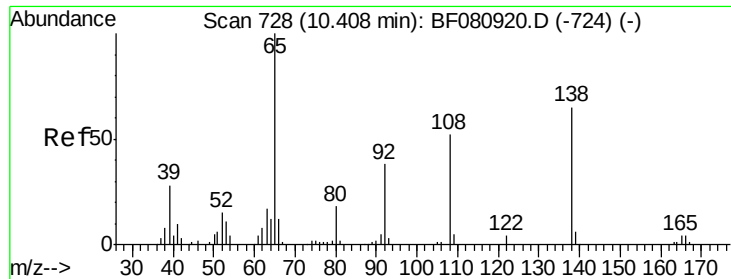
Delta R.T. -0.02 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

Tgt Ion:	204	Resp:	133816
Ion Ratio	Lower	Upper	
204	100		
206	32.6	25.5	38.3
141	82.5	63.4	95.0





#61

4-Nitroaniline

Concen: 21.90 ng

RT: 10.40 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF080972.D

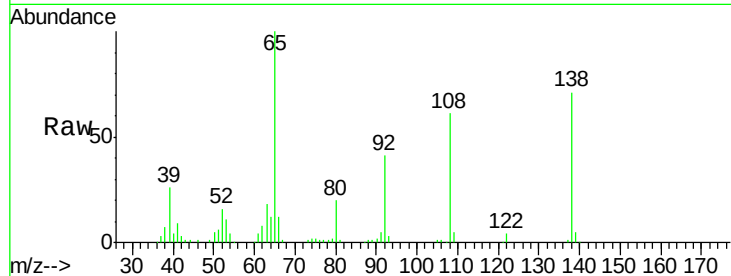
Acq: 11 Aug 2015 20:40

Instrument :

BNA_F

ClientSampleId :

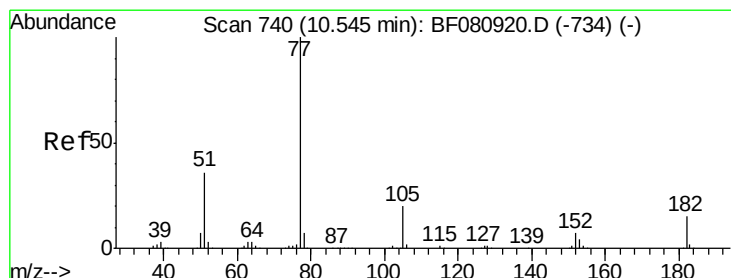
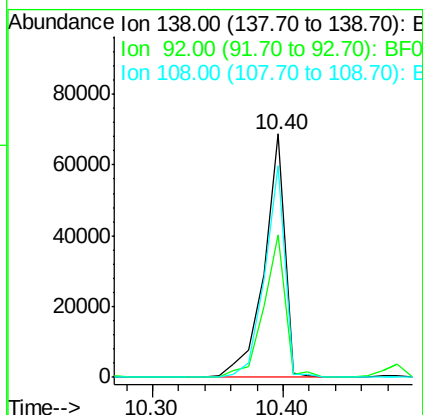
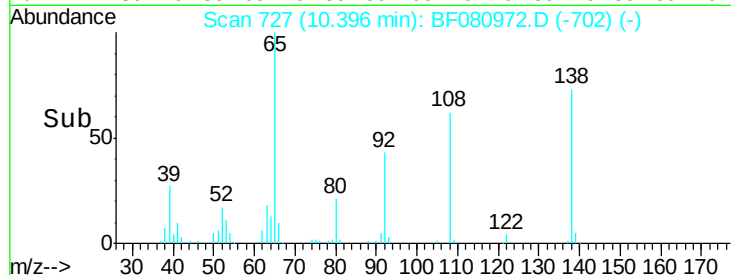
SOIL-2MSD



Tgt Ion:	138	Resp:	76248
Ion Ratio	Lower	Upper	
138	100		
92	58.4	38.1	78.1
108	87.0	59.9	99.9

Manual Integrations
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#62

Azobenzene

Concen: 24.30 ng

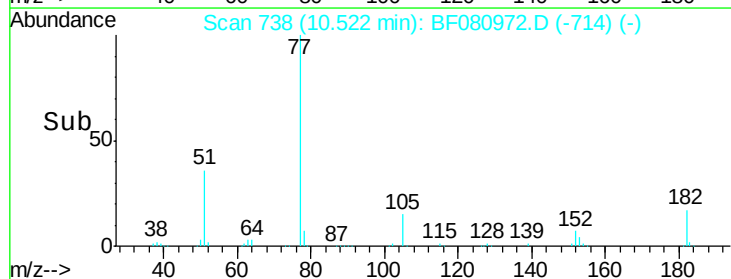
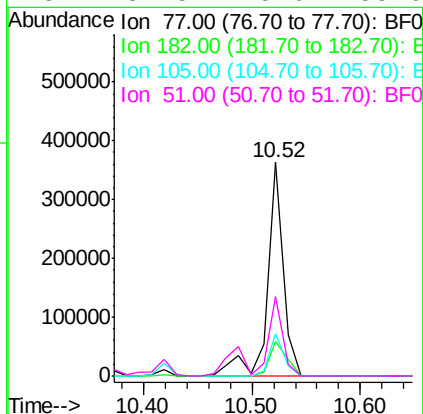
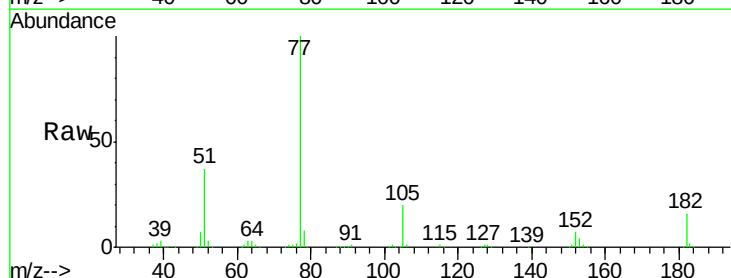
RT: 10.52 min Scan# 738

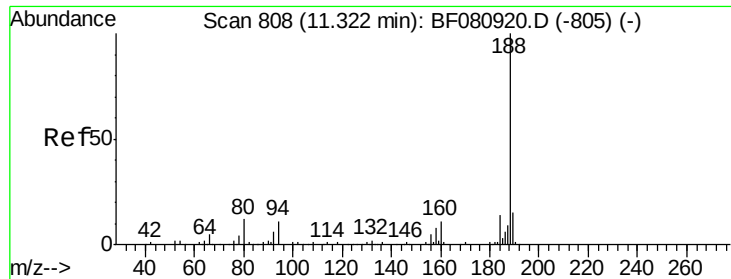
Delta R.T. -0.02 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

Tgt Ion:	77	Resp:	375702
Ion Ratio	Lower	Upper	
77	100		
182	16.4	0.0	35.5
105	19.9	0.5	40.5
51	37.5	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: BF080972.D

Acq: 11 Aug 2015 20:40

Instrument :

BNA_F

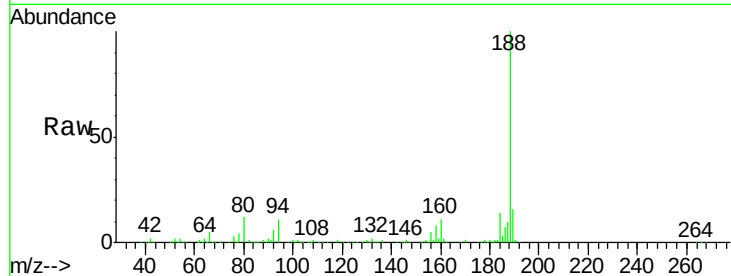
ClientSampleId :

SOIL-2MSD

Tgt Ion:	188	Resp:	317756
Ion Ratio	Lower	Upper	
188	100		
94	10.8	8.8	13.2
80	11.5	9.5	14.3

Manual Integrations
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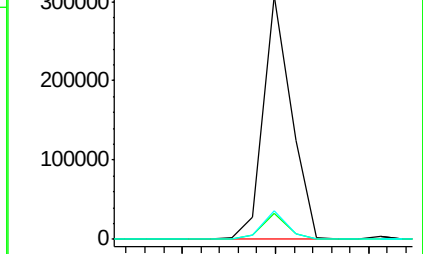
apatel
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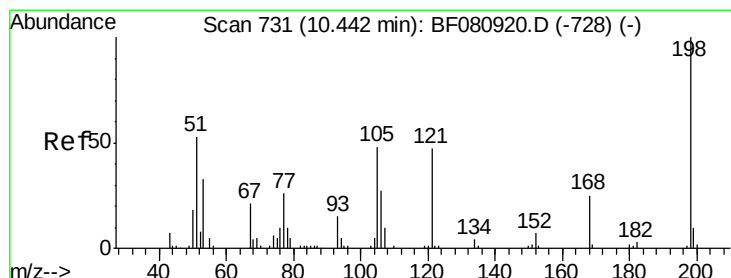
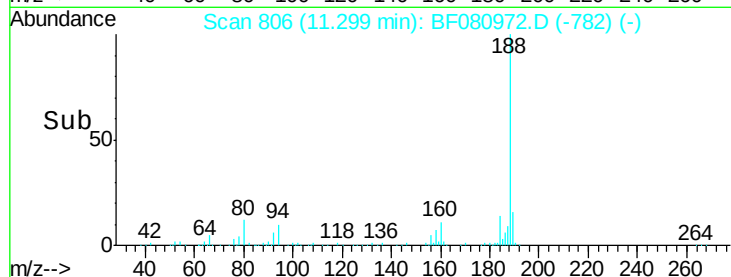
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 14.76 ng

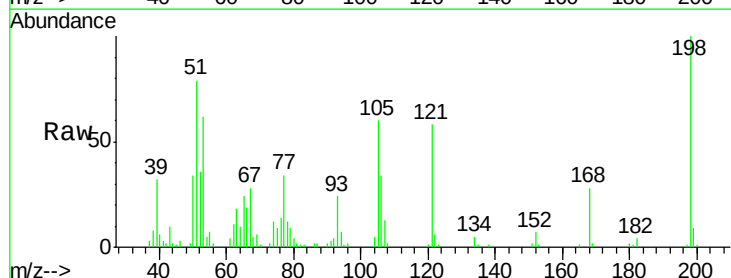
RT: 10.42 min Scan# 729

Delta R.T. -0.02 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

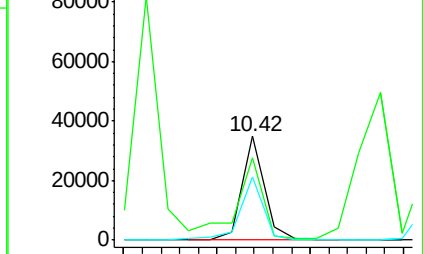
Tgt Ion:	198	Resp:	29059
Ion Ratio	Lower	Upper	
198	100		
51	79.0	40.3	80.3
105	60.3	29.6	69.6



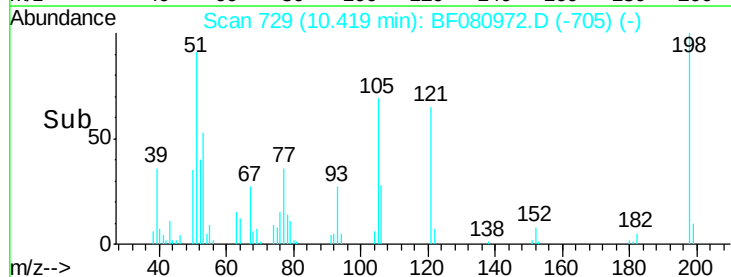
Abundance Ion 198.00 (197.70 to 198.70): E

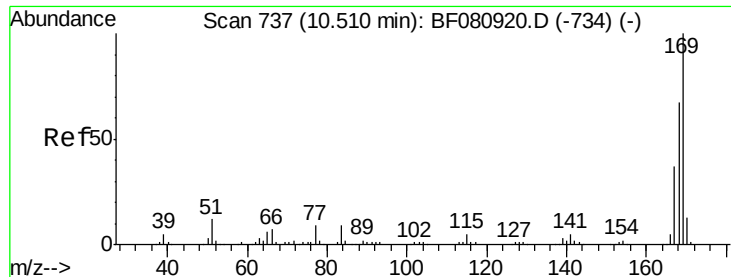
Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



Time-->





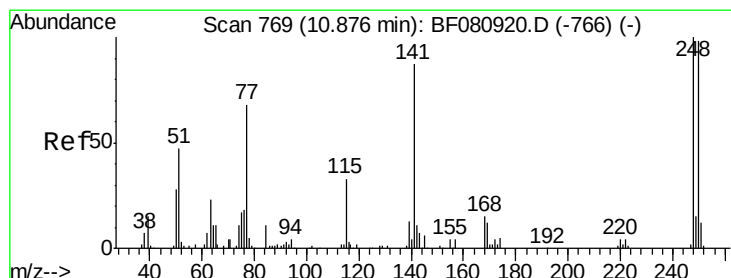
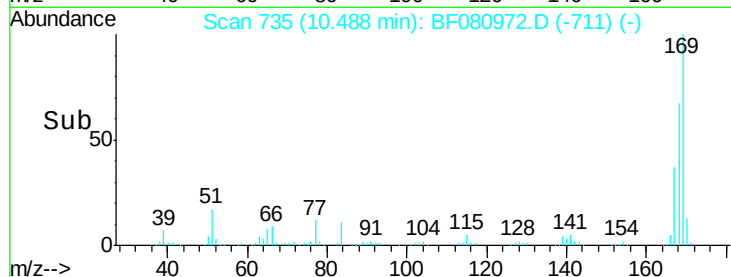
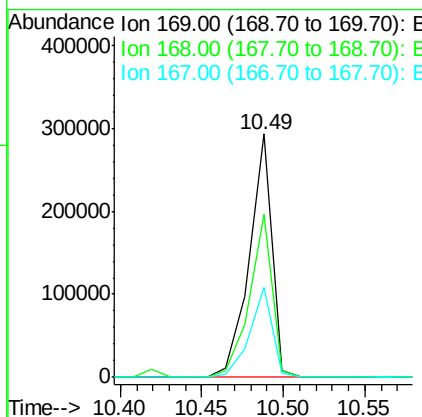
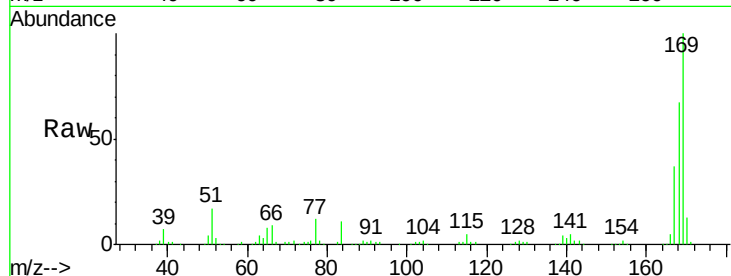
#65
n-Nitrosodiphenylamine
Concen: 25.55 ng
RT: 10.49 min Scan# 735
Delta R.T. -0.02 min
Lab File: BF080972.D
Acq: 11 Aug 2015 20:40

Instrument :
BNA_F
ClientSampleId :
SOIL-2MSD

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	282036		
168	67.2	53.7	80.5	
167	37.1	29.3	43.9	

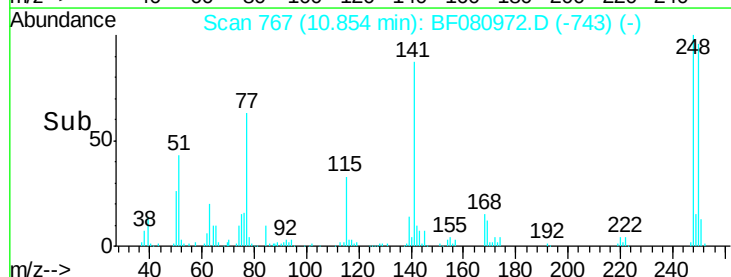
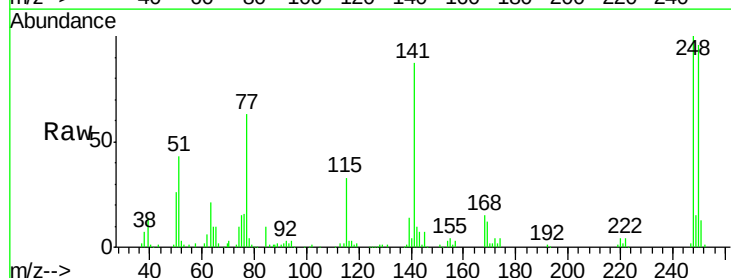
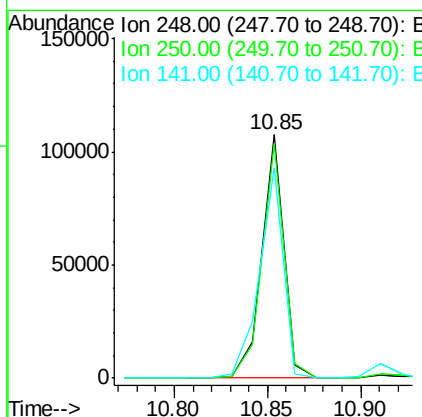
Manual Integrations
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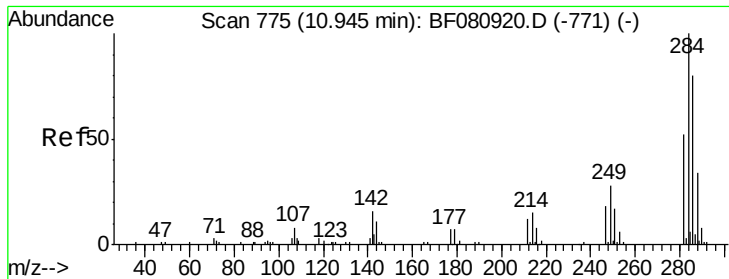
apatel
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#66
4-Bromophenyl-phenylether
Concen: 26.67 ng
RT: 10.85 min Scan# 767
Delta R.T. -0.02 min
Lab File: BF080972.D
Acq: 11 Aug 2015 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	89747		
250	96.2	78.1	117.1	
141	86.6	69.6	104.4	





#67

Hexachlorobenzene

Concen: 28.59 ng

RT: 10.92 min Scan# 773

Delta R.T. -0.02 min

Lab File: BF080972.D

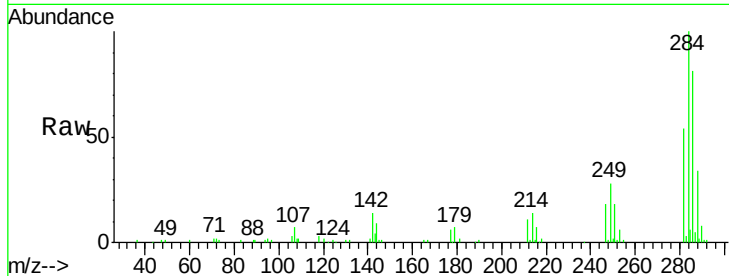
Acq: 11 Aug 2015 20:40

Instrument :

BNA_F

ClientSampleId :

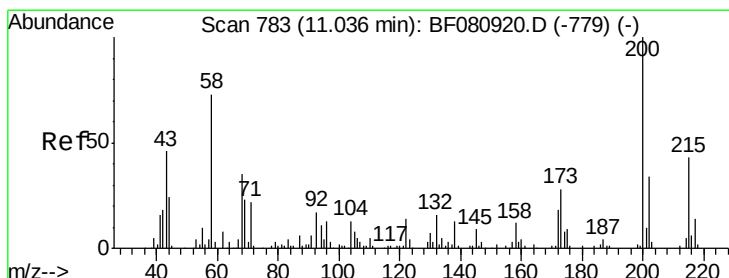
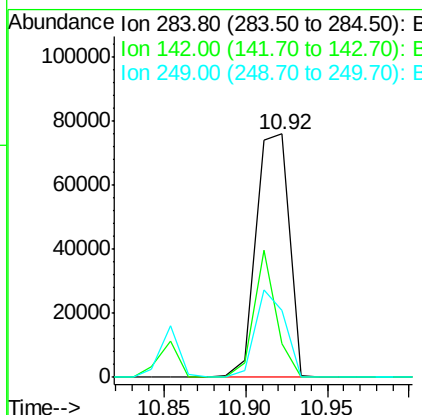
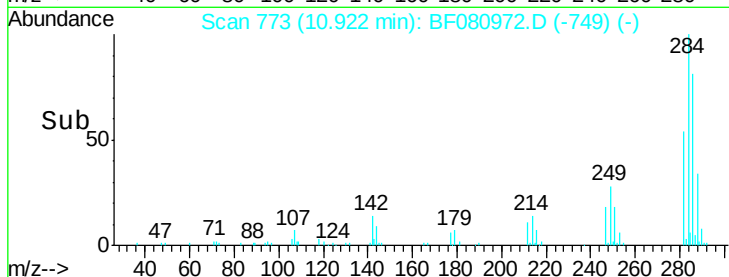
SOIL-2MSD



Tgt Ion:	284	Resp:	106978
Ion Ratio	Lower	Upper	
284	100		
142	13.6	12.8	19.2
249	27.7	22.5	33.7

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#68

Atrazine

Concen: 33.85 ng

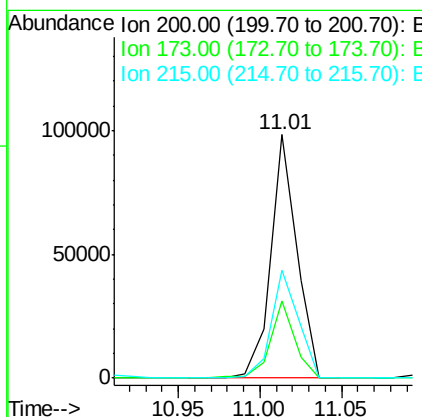
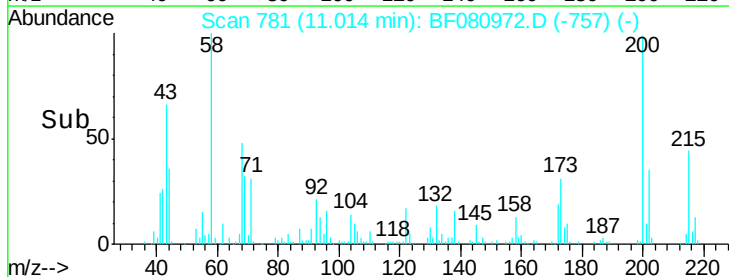
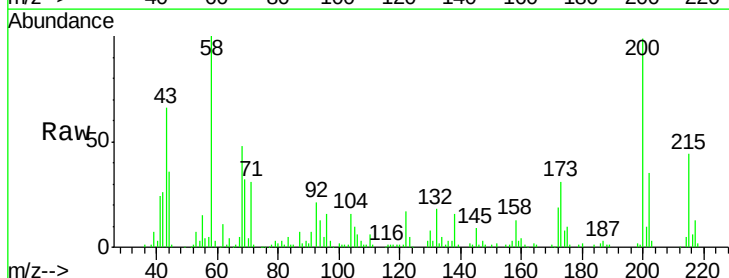
RT: 11.01 min Scan# 781

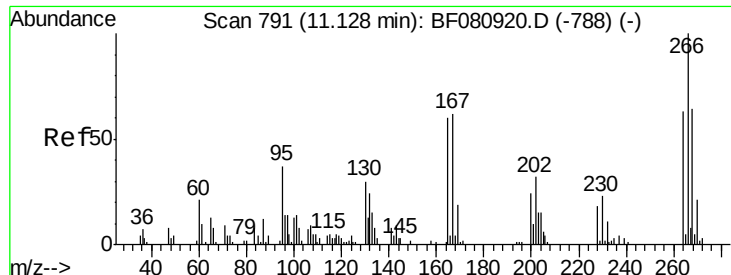
Delta R.T. -0.02 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

Tgt Ion:	200	Resp:	109560
Ion Ratio	Lower	Upper	
200	100		
173	31.7	8.4	48.4
215	44.5	22.7	62.7





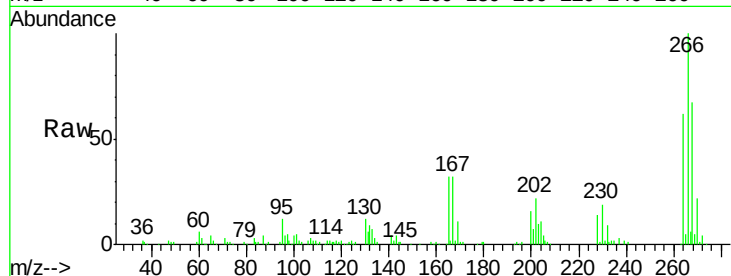
#69
 Pentachlorophenol
 Concen: 64.14 ng
 RT: 11.12 min Scan# 790
 Delta R.T. -0.01 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MSD

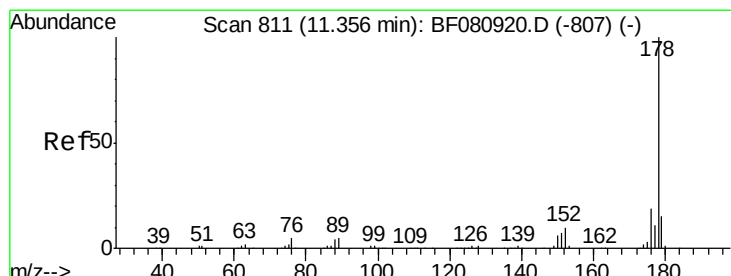
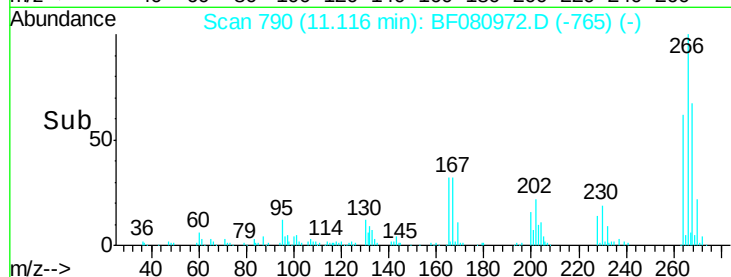
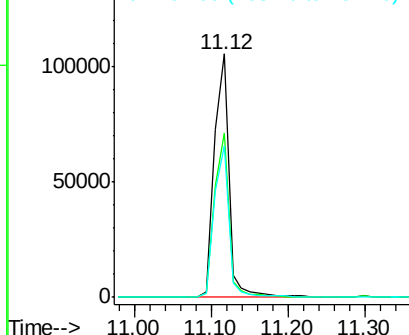
Tgt Ion	Ratio	Resp	Lower	Upper
266	100	139548		
268	67.4	51.6	77.4	
264	62.3	50.1	75.1	

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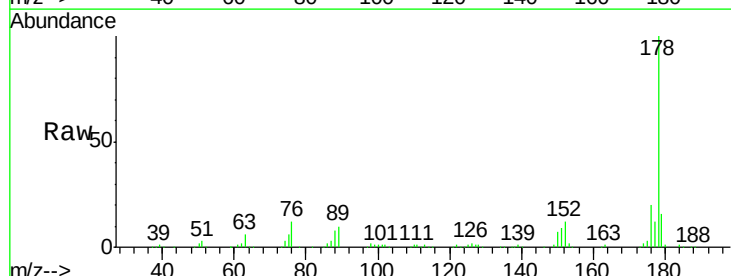


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

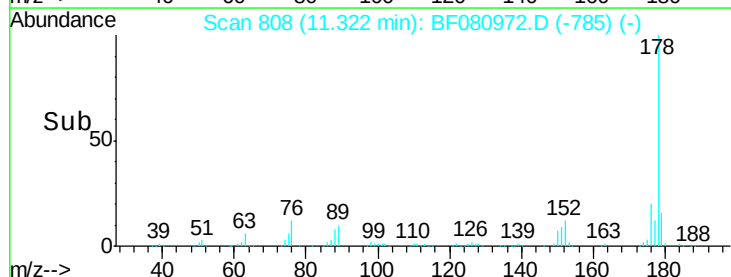
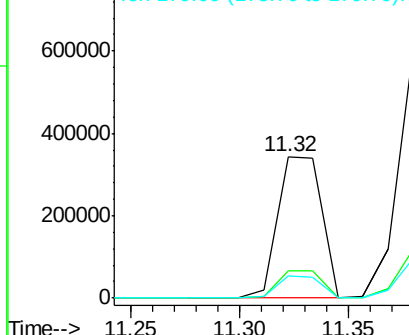


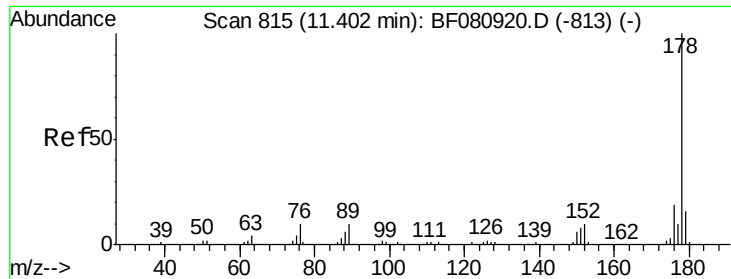
#70
 Phenanthrene
 Concen: 27.04 ng
 RT: 11.32 min Scan# 808
 Delta R.T. -0.03 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	486590		
176	19.5	15.6	23.4	
179	15.7	11.9	17.9	



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





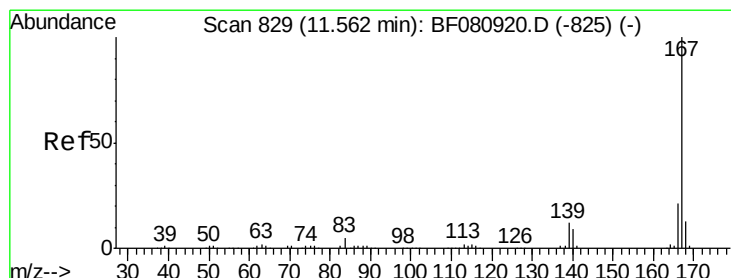
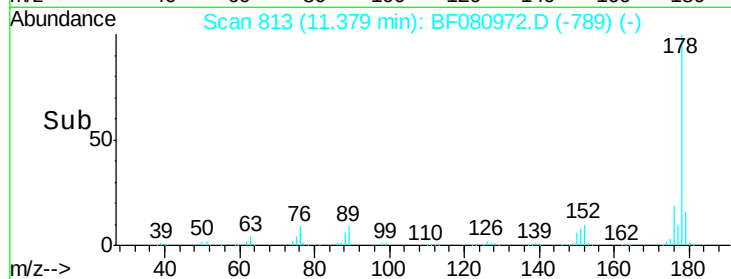
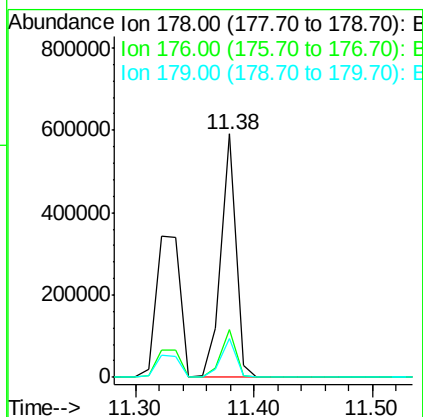
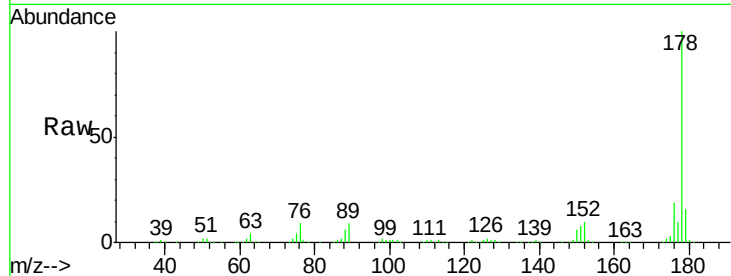
#71
 Anthracene
 Concen: 28.76 ng
 RT: 11.38 min Scan# 813
 Delta R.T. -0.02 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MSD

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	512343		
176	19.5	15.5	23.3	
179	15.8	12.6	18.8	

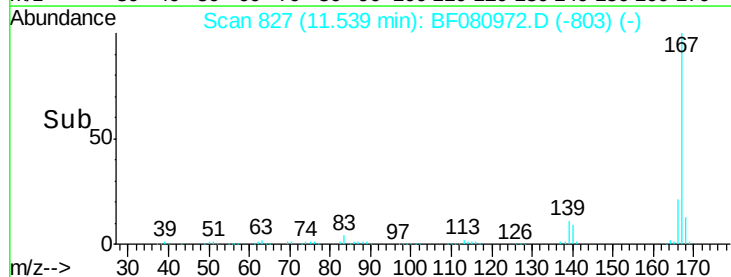
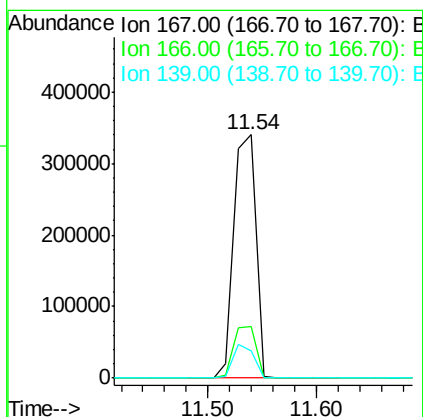
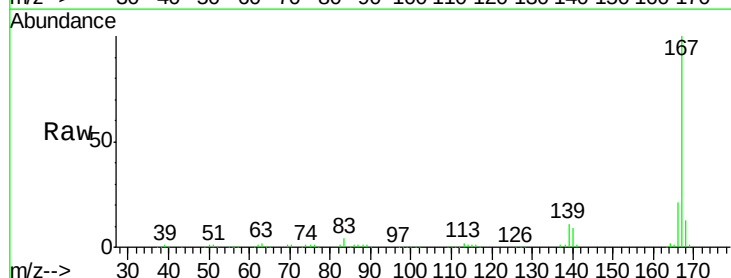
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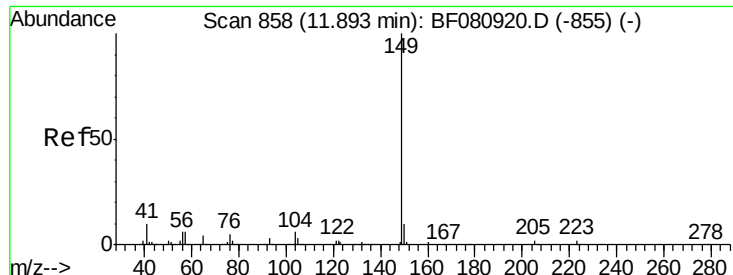
apatel
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#72
 Carbazole
 Concen: 27.19 ng
 RT: 11.54 min Scan# 827
 Delta R.T. -0.02 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
167	100	471654		
166	21.4	17.1	25.7	
139	11.2	9.2	13.8	





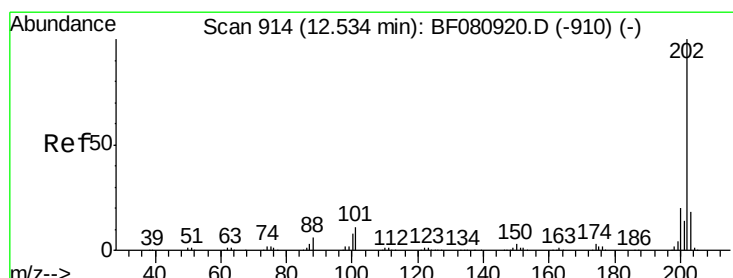
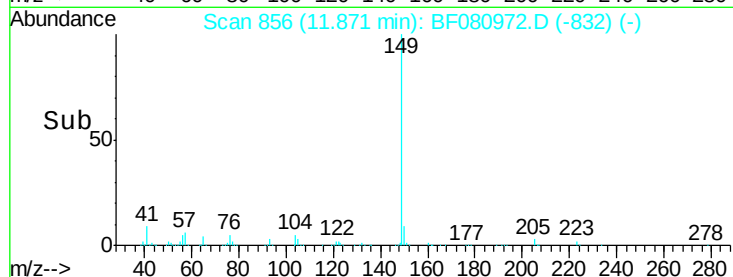
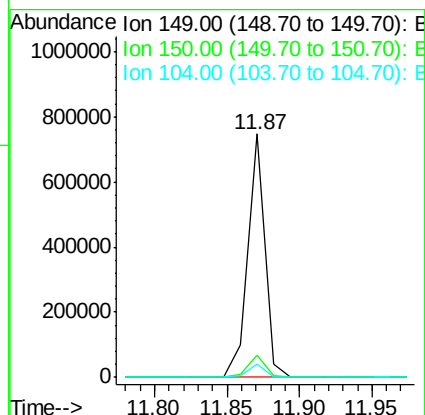
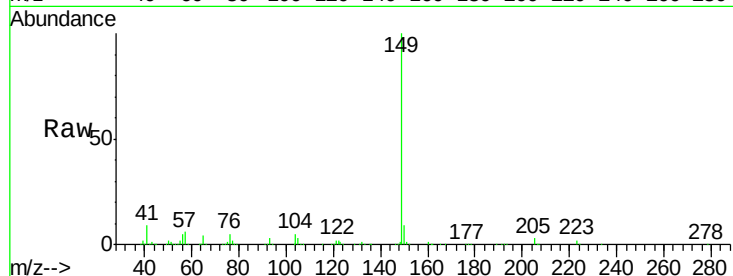
#73
Di-n-butylphthalate
Concen: 28.18 ng
RT: 11.87 min Scan# 856
Delta R.T. -0.02 min
Lab File: BF080972.D
Acq: 11 Aug 2015 20:40

Instrument :
BNA_F
ClientSampleId :
SOIL-2MSD

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	611171		
150	9.3	7.6	11.4	
104	5.2	4.4	6.6	

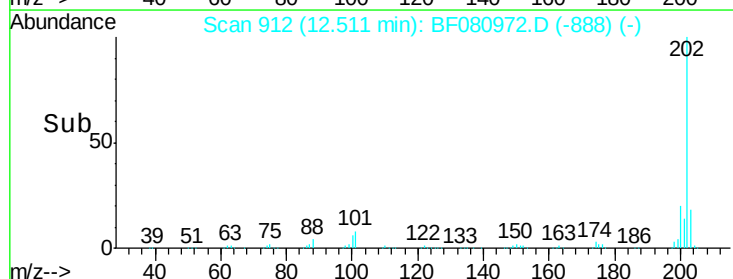
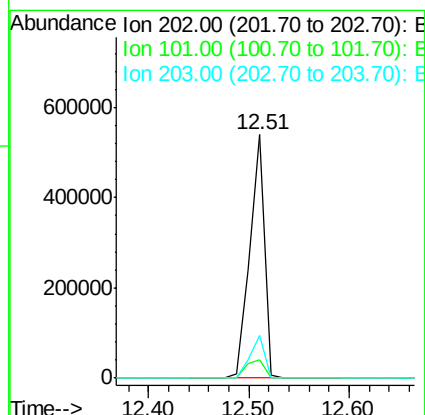
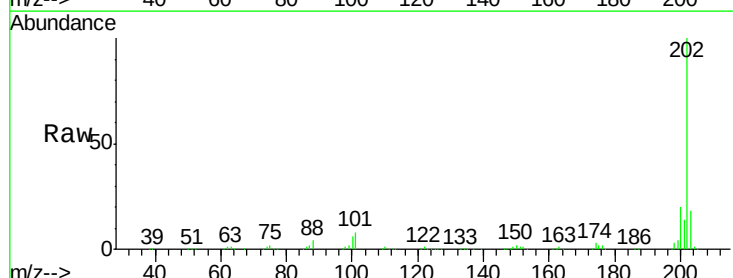
Manual Integrations
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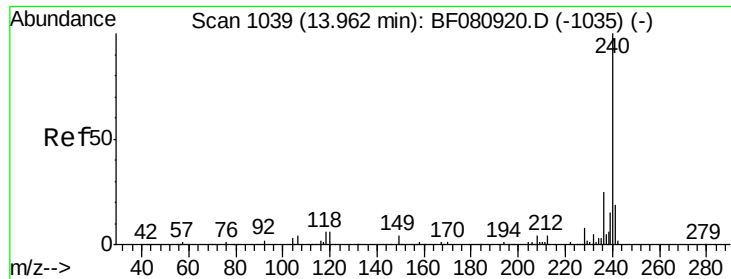
apatel
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#74
Fluoranthene
Concen: 28.27 ng
RT: 12.51 min Scan# 912
Delta R.T. -0.02 min
Lab File: BF080972.D
Acq: 11 Aug 2015 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	549789		
101	7.6	0.0	30.5	
203	17.6	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: BF080972.D

Acq: 11 Aug 2015 20:40

Instrument :

BNA_F

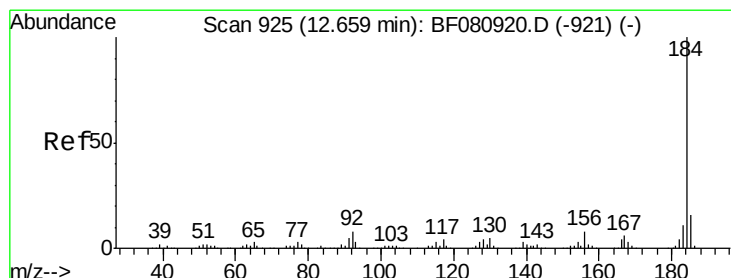
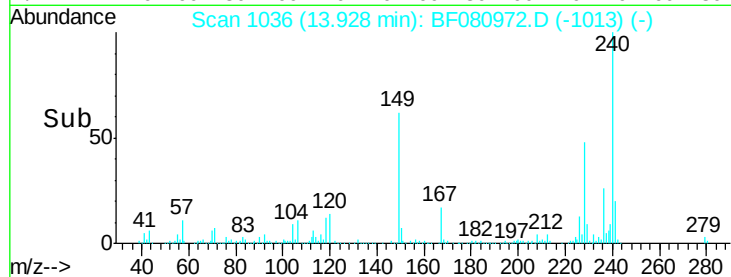
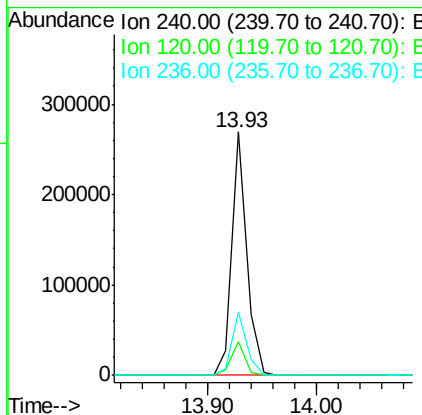
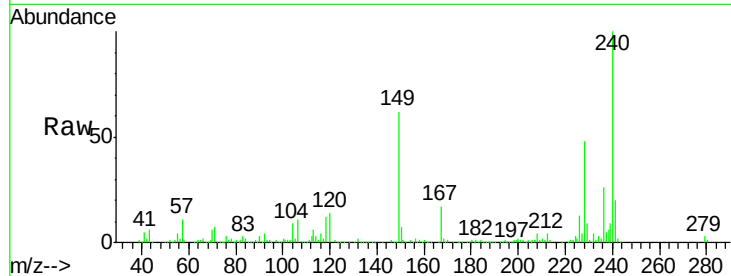
ClientSampleId :

SOIL-2MSD

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.0	5.2	7.8#
236	25.7	20.2	30.4

Manual Integrations
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#76

Benzidine

Concen: 10.78 ng

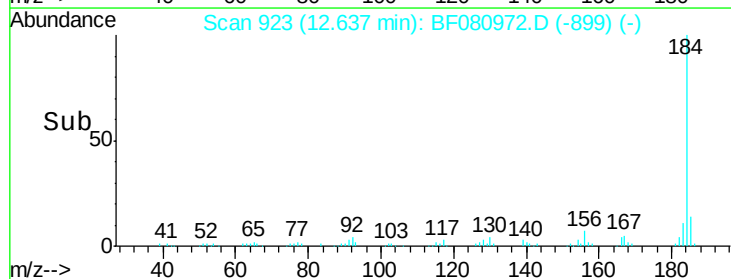
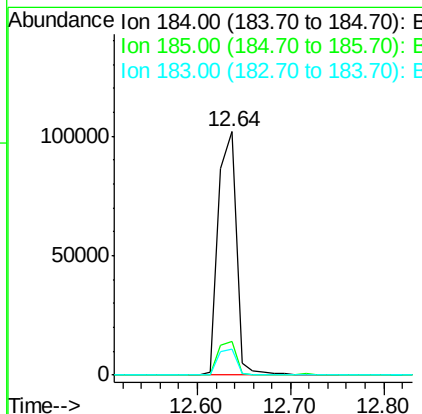
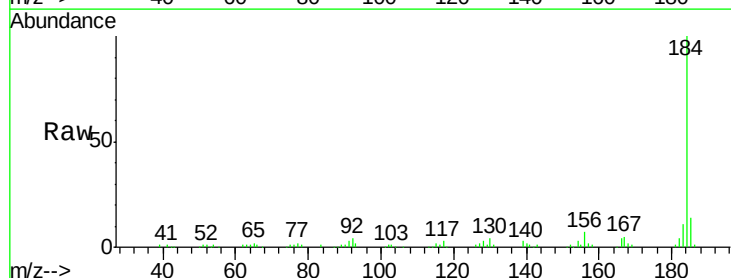
RT: 12.64 min Scan# 923

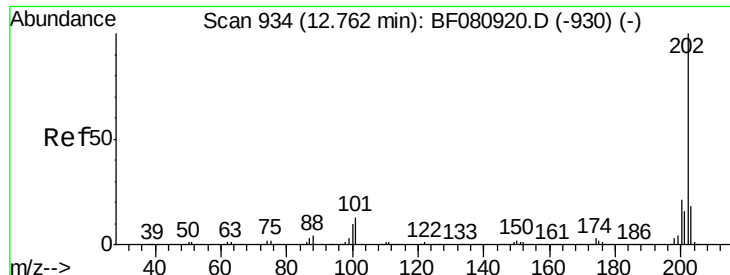
Delta R.T. -0.02 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

Tgt Ion	Ratio	Lower	Upper
184	100		
185	13.7	13.0	19.4
183	10.7	8.7	13.1





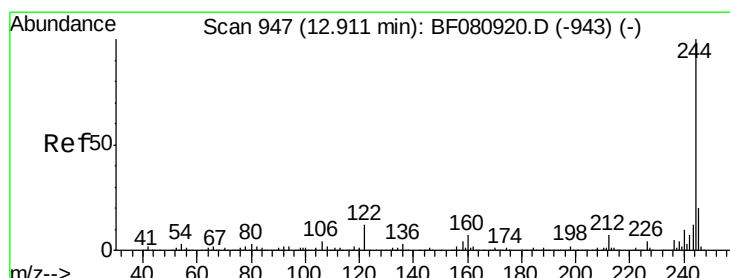
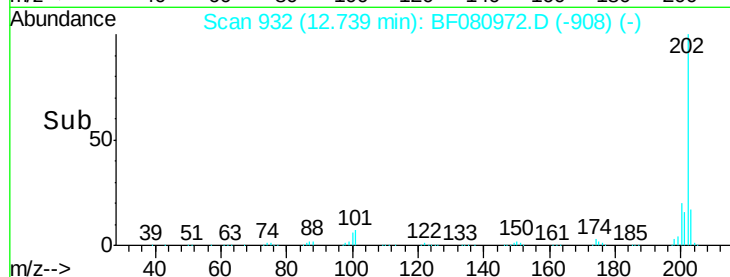
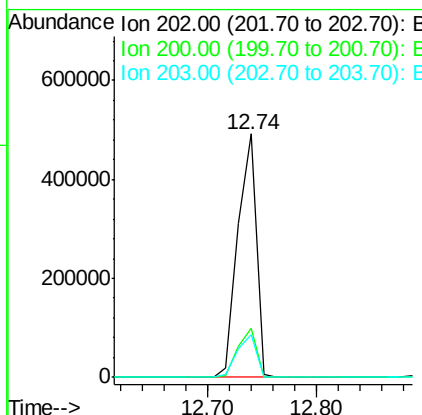
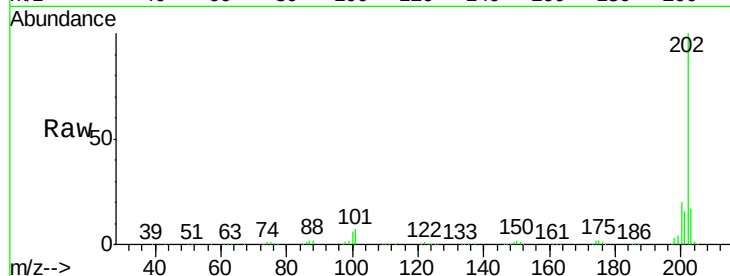
#77
Pyrene
 Concen: 30.44 ng
 RT: 12.74 min Scan# 932
 Delta R.T. -0.02 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MSD

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	20.2	16.6	24.8
203	17.4	14.2	21.2

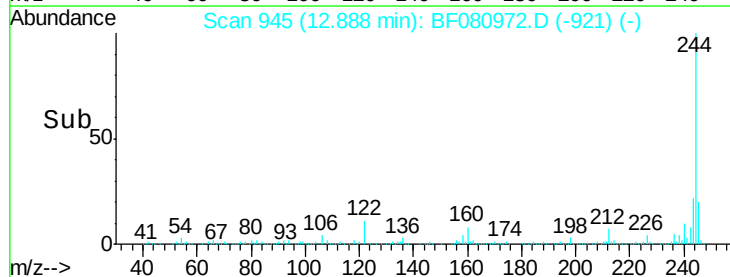
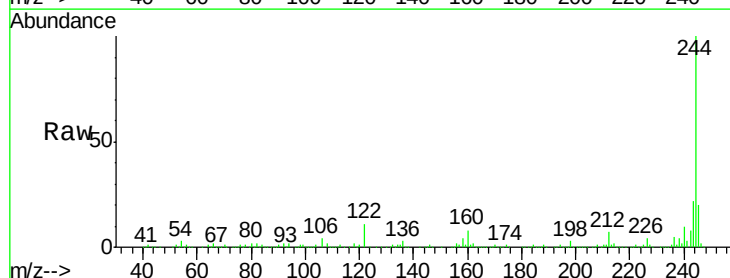
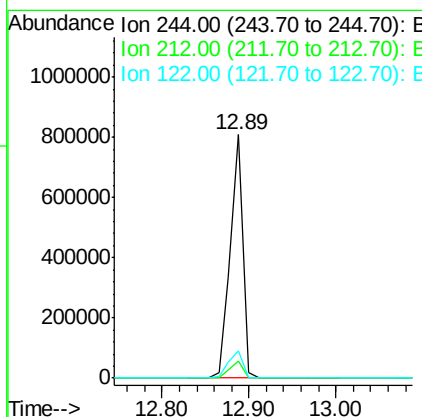
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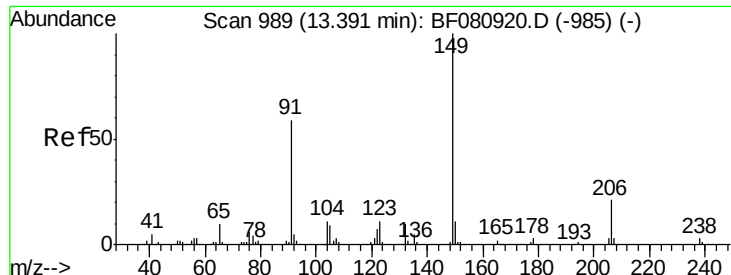
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#78
Terphenyl-d14
 Concen: 66.29 ng
 RT: 12.89 min Scan# 945
 Delta R.T. -0.02 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.2	5.8	8.8
122	11.0	9.4	14.2





#79

Butylbenzylphthalate

Concen: 29.16 ng

RT: 13.36 min Scan# 986

Delta R.T. -0.03 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

Instrument :

BNA_F

ClientSampleId :

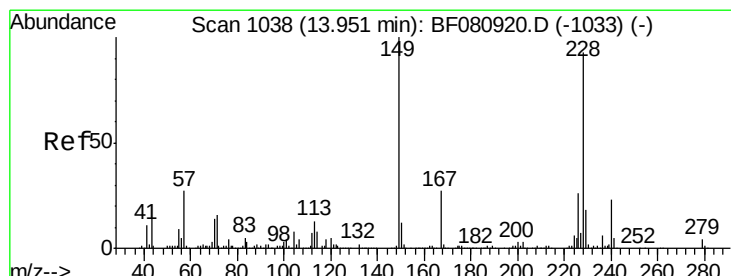
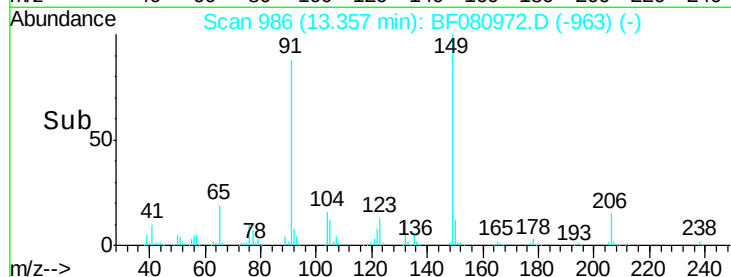
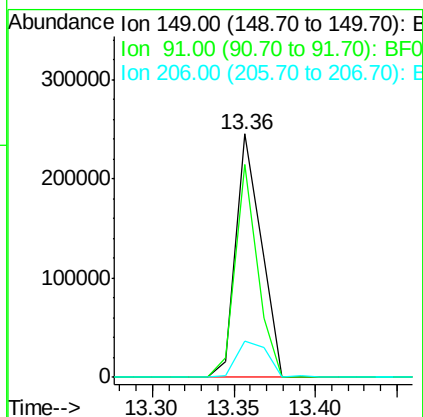
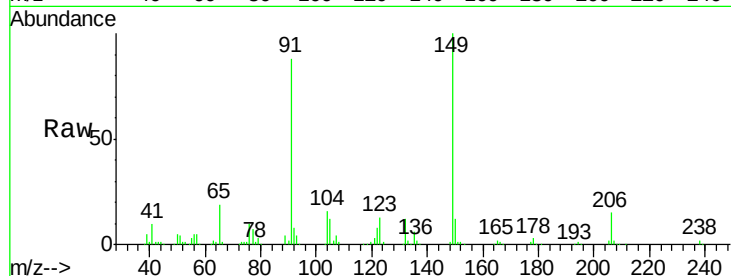
SOIL-2MSD

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Tgt	Ion	Resp	Lower	Upper
149	100			
91	87.7	47.2	70.8#	
206	15.1	16.5	24.7#	



#80

Benzo(a)anthracene

Concen: 30.06 ng

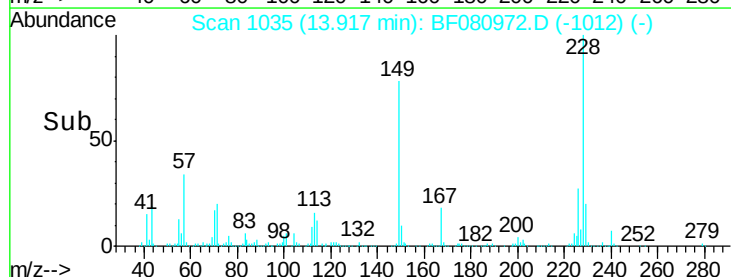
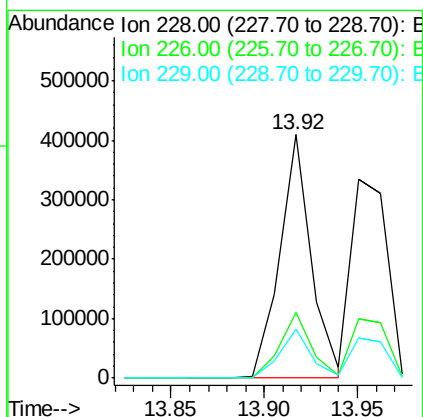
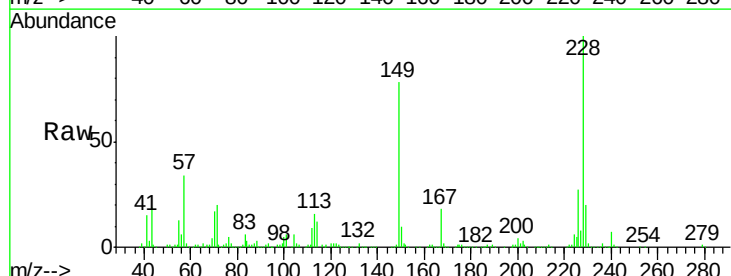
RT: 13.92 min Scan# 1035

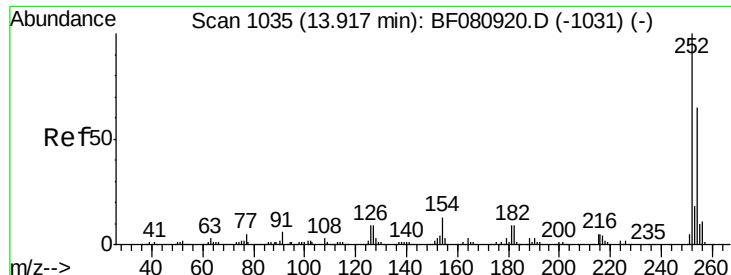
Delta R.T. -0.03 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

Tgt	Ion	Resp	Lower	Upper
228	100			
226	27.1	22.2	33.2	
229	20.0	15.8	23.6	





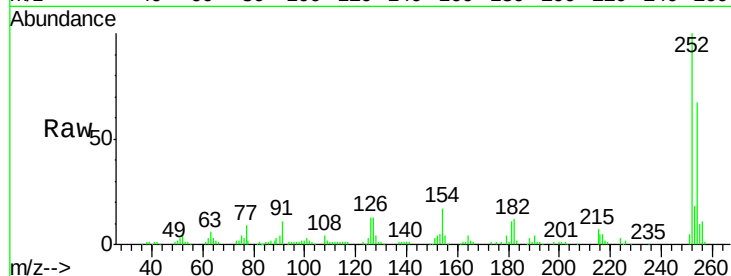
#81
 3,3'-Dichlorobenzidine
 Concen: 13.54 ng
 RT: 13.88 min Scan# 1032
 Delta R.T. -0.03 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MSD

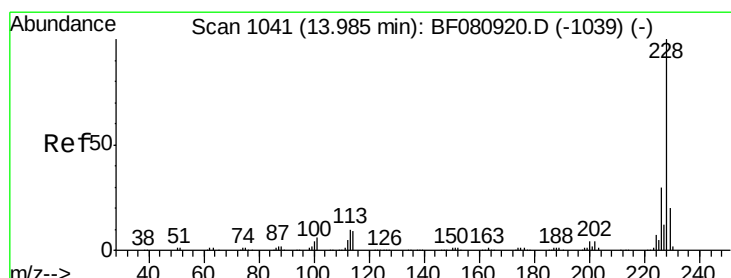
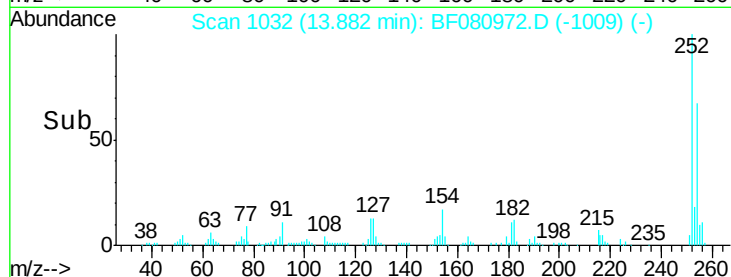
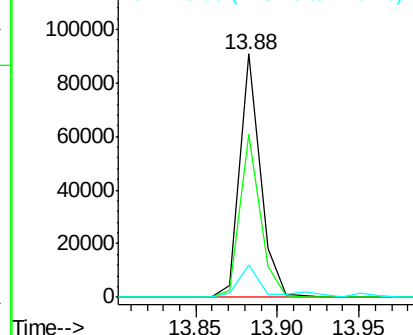
Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
254	66.8	51.7	77.5
126	13.2	7.1	10.7

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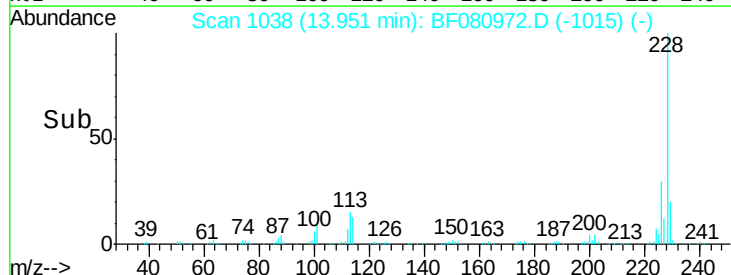
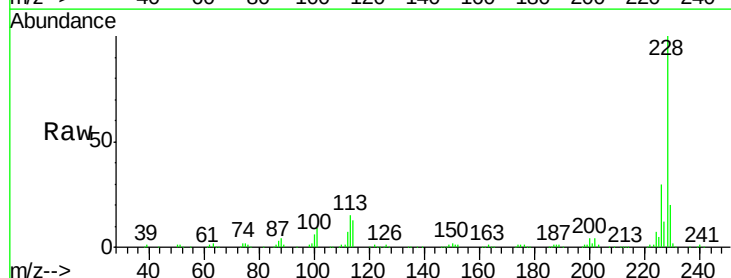
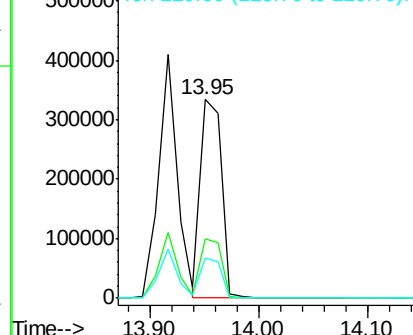
Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

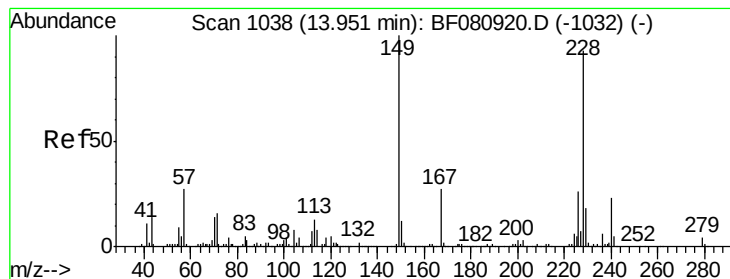


#82
 Chrysene
 Concen: 29.50 ng
 RT: 13.95 min Scan# 1038
 Delta R.T. -0.03 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	30.2	23.9	35.9
229	20.0	15.8	23.6

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





#83

Bis(2-ethylhexyl)phthalate

Concen: 27.59 ng

RT: 13.92 min Scan# 1035

Delta R.T. -0.03 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

Instrument :

BNA_F

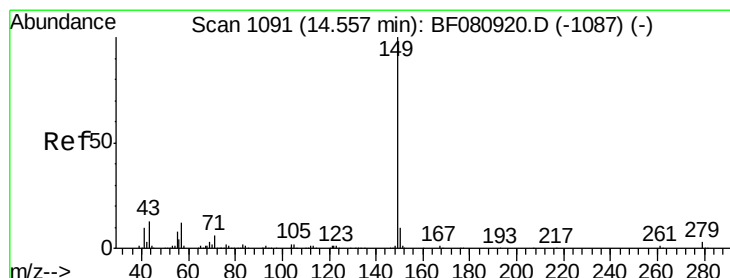
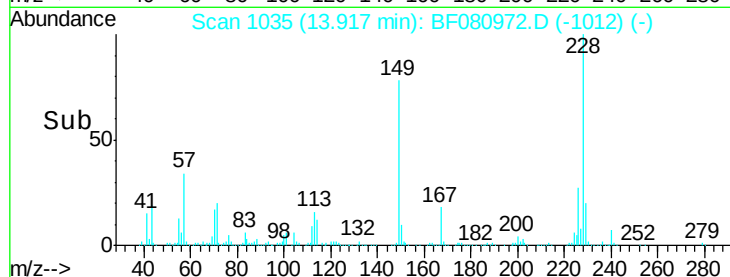
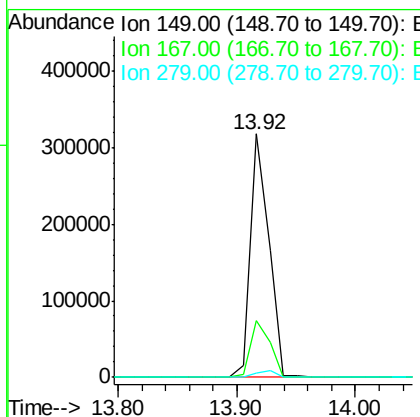
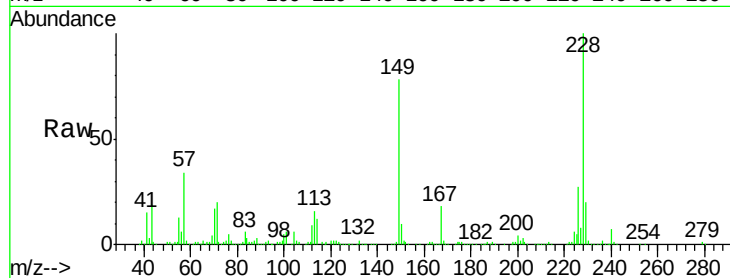
ClientSampleId :

SOIL-2MSD

Tgt Ion:	149	Resp:	346459
Ion Ratio		Lower	Upper
149	100		
167	23.3	21.4	32.0
279	1.7	2.9	4.3#

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#84

Di-n-octyl phthalate

Concen: 30.03 ng

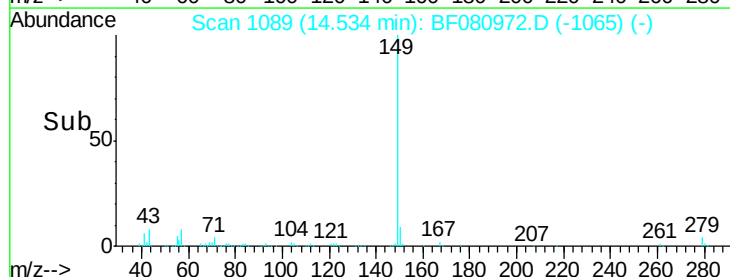
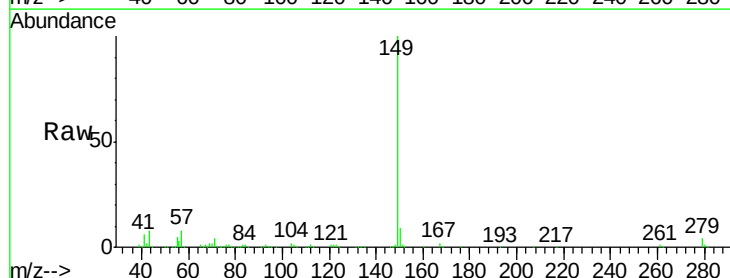
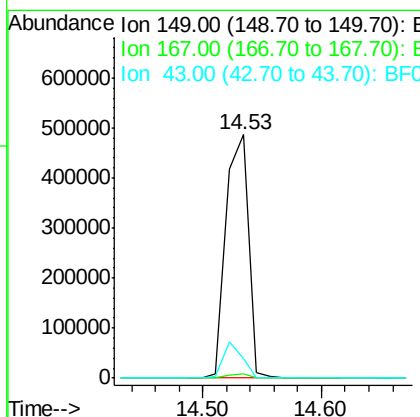
RT: 14.53 min Scan# 1089

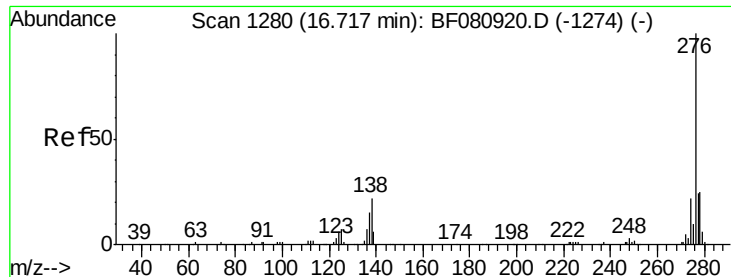
Delta R.T. -0.02 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

Tgt Ion:	149	Resp:	639255
Ion Ratio		Lower	Upper
149	100		
167	1.5	1.1	1.7
43	12.6	11.0	16.4





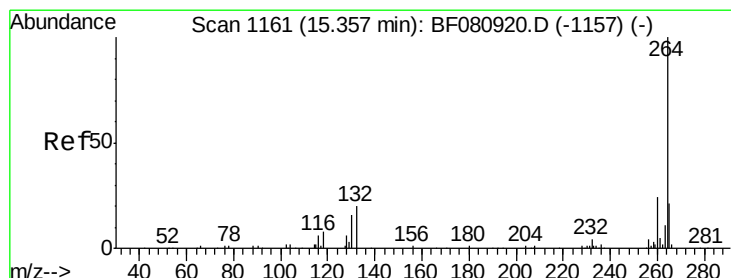
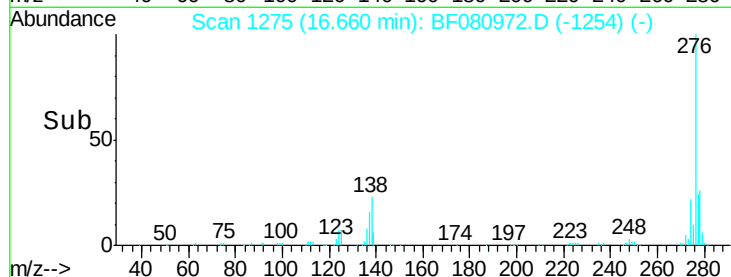
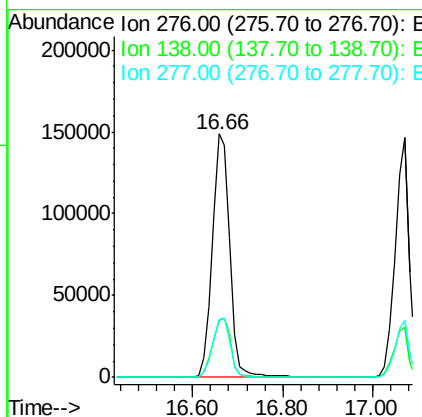
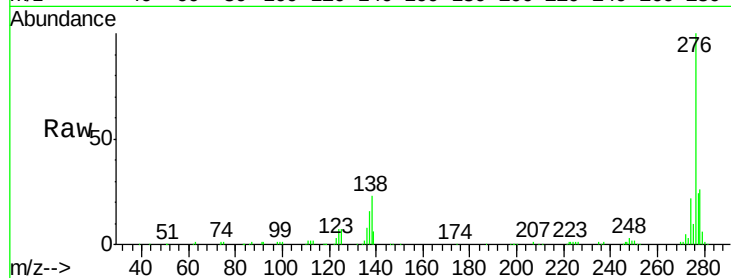
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 27.46 ng
 RT: 16.66 min Scan# 1275
 Delta R.T. -0.06 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2MSD

Tgt	Ion	Ratio	Resp	Lower	Upper
276	100		400463		
138	25.3		19.9	29.9	
277	24.6		19.7	29.5	

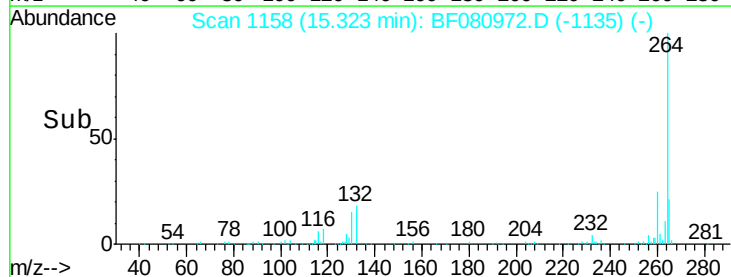
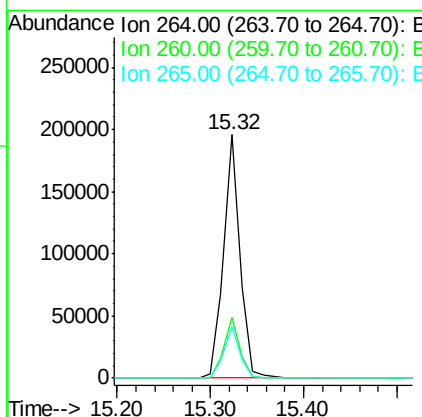
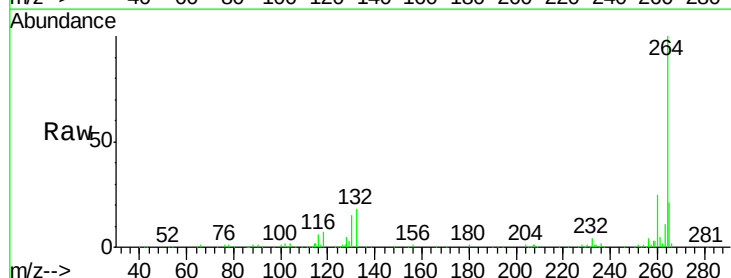
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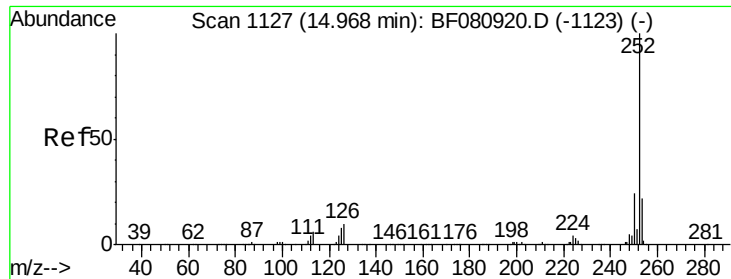
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.32 min Scan# 1158
 Delta R.T. -0.03 min
 Lab File: BF080972.D
 Acq: 11 Aug 2015 20:40

Tgt	Ion	Ratio	Resp	Lower	Upper
264	100		239315		
260	24.9		19.4	29.0	
265	21.3		17.0	25.4	





#87

Benzo(b)fluoranthene

Concen: 30.24 ng m

RT: 14.93 min Scan# 1124

Delta R.T. -0.03 min

Lab File: BF080972.D

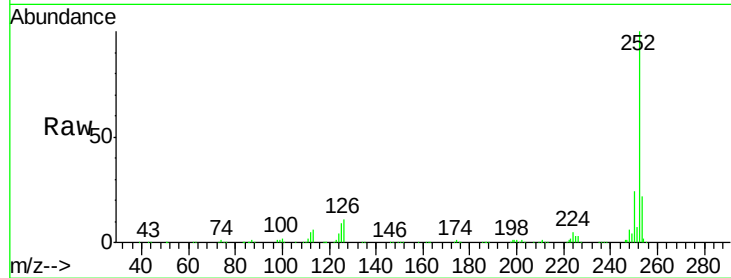
Acq: 11 Aug 2015 20:40

Instrument :

BNA_F

ClientSampleId :

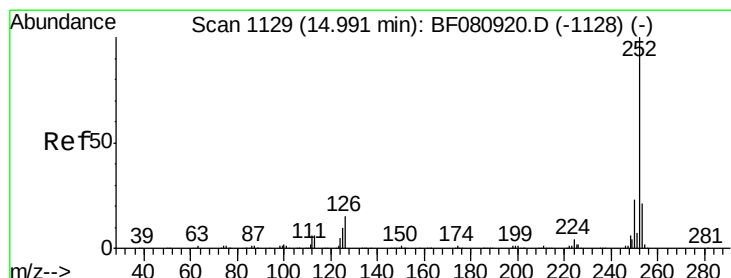
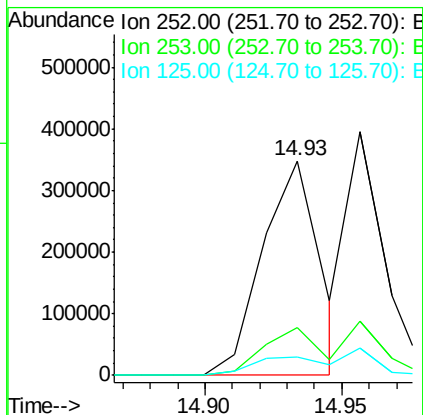
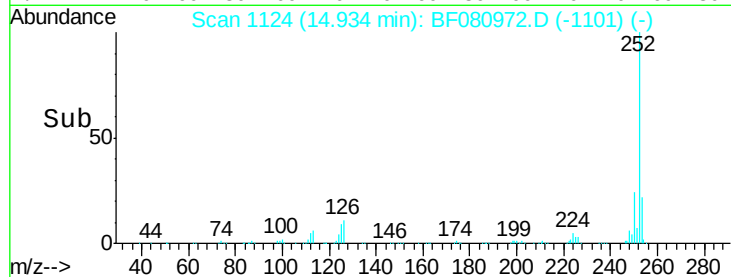
SOIL-2MSD



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	8.5	6.1	9.1

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#88

Benzo(k)fluoranthene

Concen: 25.78 ng m

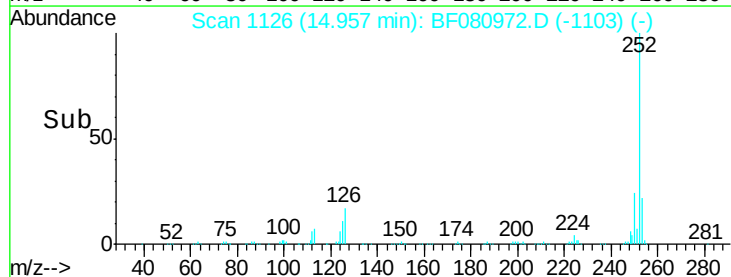
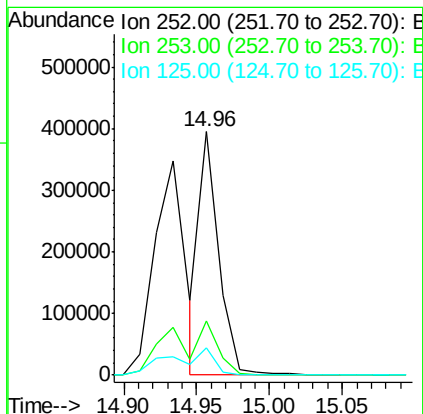
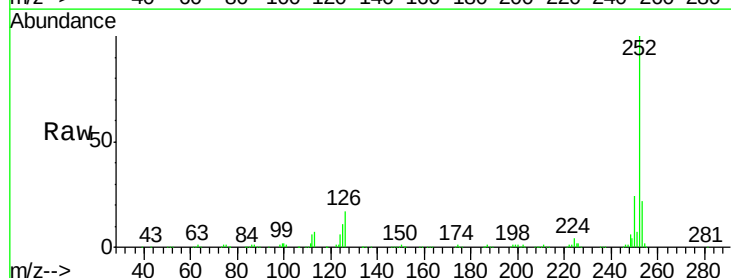
RT: 14.96 min Scan# 1126

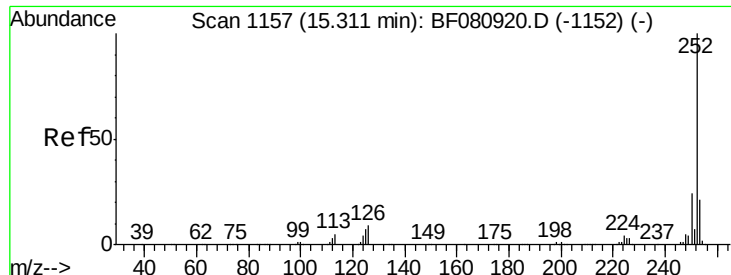
Delta R.T. -0.03 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	11.3	9.0	13.6





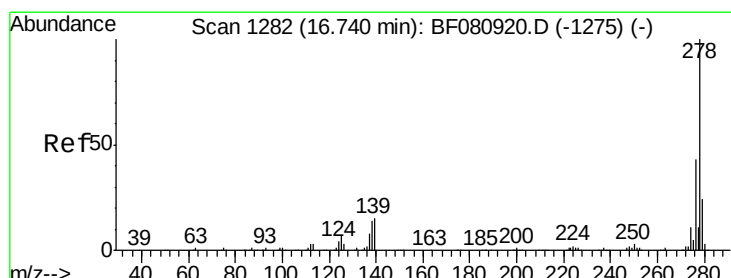
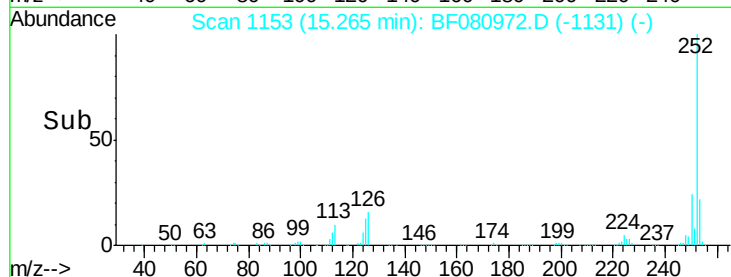
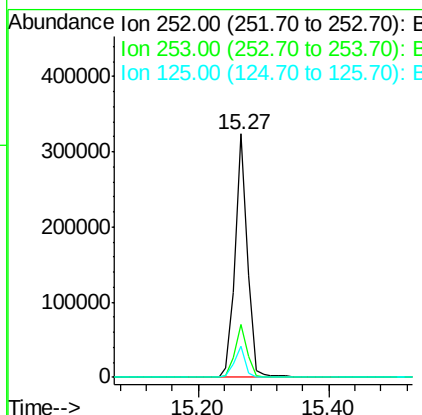
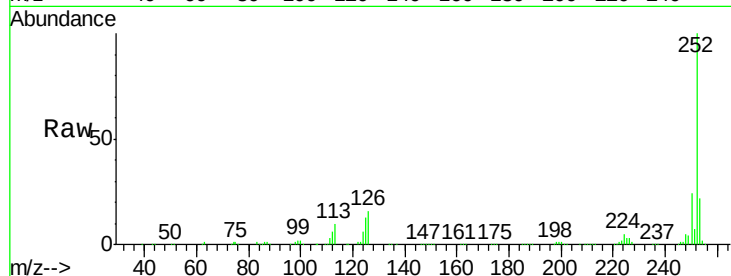
#89
Benzo(a)pyrene
Concen: 29.30 ng
RT: 15.27 min Scan# 1153
Delta R.T. -0.05 min
Lab File: BF080972.D
Acq: 11 Aug 2015 20:40

Instrument :
BNA_F
ClientSampleId :
SOIL-2MSD

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	21.8	16.9	25.3
125	12.8	5.8	8.8#

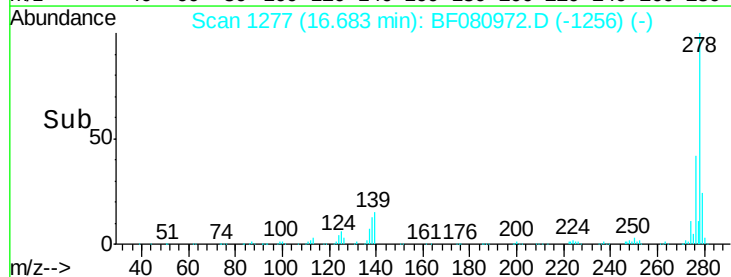
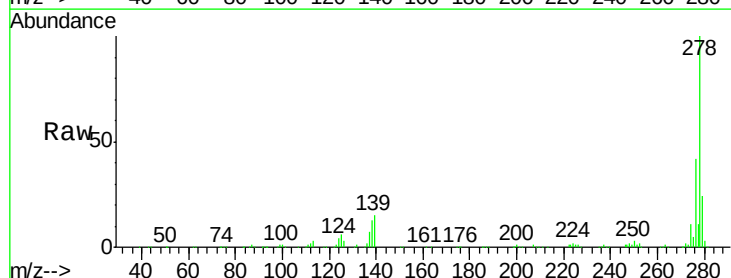
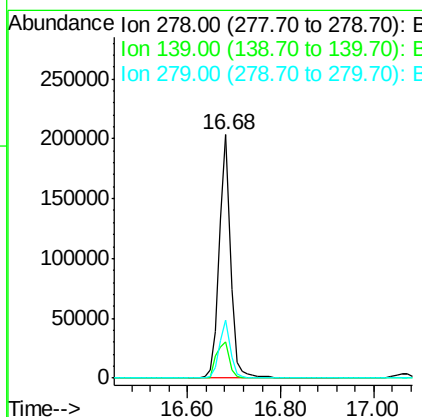
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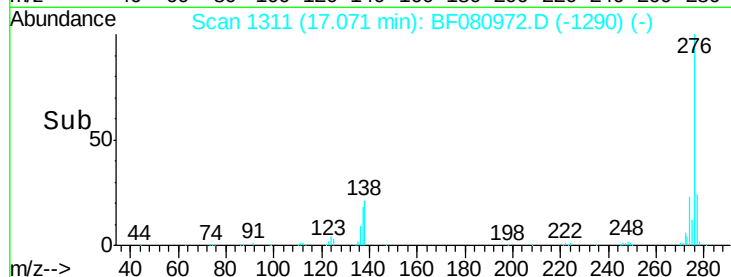
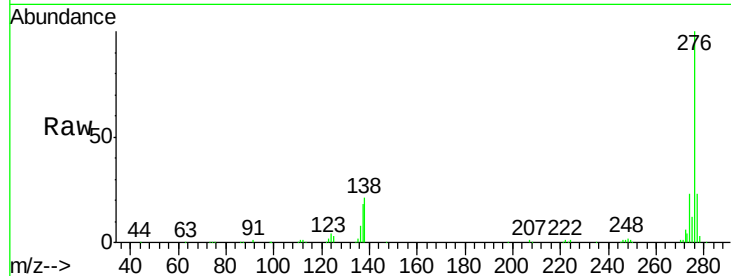
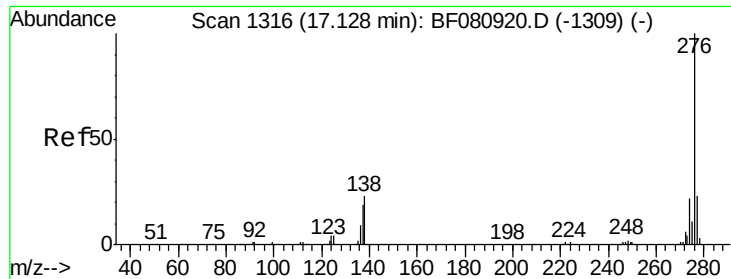
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#90
Dibenzo(a,h)anthracene
Concen: 26.69 ng
RT: 16.68 min Scan# 1277
Delta R.T. -0.06 min
Lab File: BF080972.D
Acq: 11 Aug 2015 20:40

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	14.7	11.9	17.9
279	24.0	19.0	28.6





#91

Benzo(g,h,i)perylene

Concen: 26.21 ng

RT: 17.07 min Scan# 1311

Delta R.T. -0.06 min

Lab File: BF080972.D

Acq: 11 Aug 2015 20:40

Instrument :

BNA_F

ClientSampleId :

SOIL-2MSD

Tgt Ion:	276	Resp:	322460
Ion Ratio	Lower	Upper	
276	100		
277	23.5	18.6	28.0
138	21.1	18.4	27.6

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