

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040115\
 Data File : BF078163.D
 Acq On : 1 Apr 2015 20:31
 Operator : TP/IZ
 Sample : G1614-04
 Misc : LOO-SOIL-20PPM
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Manual Integrations
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apatel
 4/2/2015 5:50:57 PM

Quant Time: Apr 02 13:48:42 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 02 13:21:29 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	33795	20.00	ng	0.00
21) Naphthalene-d8	8.59	136	140439	20.00	ng	0.00
38) Acenaphthene-d10	10.76	164	71017	20.00	ng	0.00
63) Phenanthrene-d10	12.59	188	137635	20.00	ng	0.00
75) Chrysene-d12	15.87	240	139888	20.00	ng	0.00
86) Perylene-d12	17.65	264	135123	20.00	ng	0.07

System Monitoring Compounds

5) 2-Fluorophenol	5.30	112	335774	163.82	ng	0.00
7) Phenol-d6	6.60	99	418287	162.84	ng	0.00
23) Nitrobenzene-d5	7.71	82	238872	103.10	ng	0.00
41) 2,4,6-Tribromophenol	11.74	330	107256	182.10	ng	0.00
44) 2-Fluorobiphenyl	9.94	172	521275	104.92	ng	0.00
78) Terphenyl-d14	14.59	244	613878	99.16	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.88	88	17184	18.54	ng	99
3) Pyridine	2.54	79	45038	18.55	ng	97
4) n-Nitrosodimethylamine	2.46	42	18030m	19.29	ng	
6) Aniline	6.61	93	40295	11.06	ng	# 40
8) 2-Chlorophenol	6.75	128	52954	21.85	ng	98
9) Benzaldehyde	6.46	77	38170	22.42	ng	94
10) Phenol	6.62	94	63178	20.53	ng	98
11) bis(2-Chloroethyl)ether	6.72	93	50701	22.91	ng	100
12) 1,3-Dichlorobenzene	6.93	146	54431	20.44	ng	98
13) 1,4-Dichlorobenzene	7.04	146	55880	20.85	ng	100
14) 1,2-Dichlorobenzene	7.22	146	53918	21.46	ng	98
15) Benzyl Alcohol	7.21	79	40401	22.38	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.39	45	63909	21.65	ng	100
17) 2-Methylphenol	7.37	107	41284	21.94	ng	98
18) Hexachloroethane	7.64	117	18317	20.27	ng	97
19) n-Nitroso-di-n-propylamine	7.54	70	33724	19.90	ng	# 85
20) 3+4-Methylphenols	7.56	107	54527	21.72	ng	98
22) Acetophenone	7.53	105	70972	21.69	ng	# 89
24) Nitrobenzene	7.73	77	49438	20.41	ng	# 81
25) Isophorone	8.04	82	91147	20.73	ng	98
26) 2-Nitrophenol	8.13	139	23322	20.21	ng	96
27) 2,4-Dimethylphenol	8.21	122	44734	20.84	ng	99
28) bis(2-Chloroethoxy)methane	8.33	93	59209	21.00	ng	100
29) 2,4-Dichlorophenol	8.44	162	41035	21.01	ng	99
30) 1,2,4-Trichlorobenzene	8.53	180	45571	20.35	ng	100
31) Naphthalene	8.62	128	148882	20.37	ng	99
32) Benzoic acid	8.32	122	16160	19.87	ng	97
33) 4-Chloroaniline	8.70	127	43488	14.34	ng	98
34) Hexachlorobutadiene	8.77	225	24647	20.05	ng	97
35) Caprolactam	9.12	113	12571	21.57	ng	# 87
36) 4-Chloro-3-methylphenol	9.32	107	43897	22.28	ng	95
37) 2-Methylnaphthalene	9.48	142	104710	21.10	ng	99
39) 1,2,4,5-Tetrachlorobenzene	9.69	216	45159	20.52	ng	99
40) Hexachlorocyclopentadiene	9.68	237	15769	22.04	ng	99

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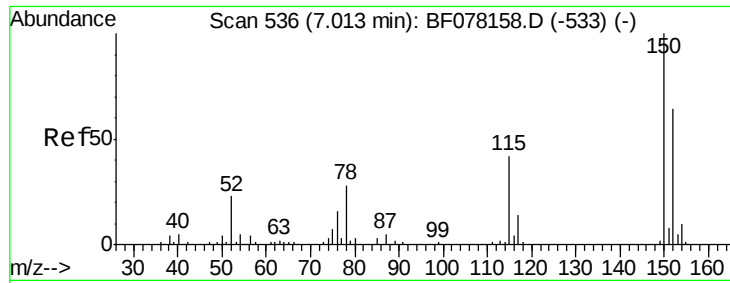
Manual Integrations
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 4/2/2015 5:50:57 PM

Quant Time: Apr 02 13:48:42 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.84	196	29939	21.57	nq	98
43) 2,4,5-Trichlorophenol	9.88	196	30430	20.99	nq	97
45) 1,1'-Biphenyl	10.06	154	122972	21.17	nq	100
46) 2-Chloronaphthalene	10.08	162	99261	21.72	nq	99
47) 2-Nitroaniline	10.21	65	23907	21.14	nq	91
48) Acenaphthylene	10.58	152	154006	20.87	nq	99
49) Dimethylphthalate	10.45	163	116556	21.85	nq	99
50) 2,6-Dinitrotoluene	10.52	165	23857	21.73	nq	# 53
51) Acenaphthene	10.80	154	88111	21.20	nq	99
52) 3-Nitroaniline	10.73	138	24344	19.50	nq	95
53) 2,4-Dinitrophenol	10.86	184	3941	19.55	nq	93
54) Dibenzofuran	11.01	168	145992	23.00	nq	98
55) 4-Nitrophenol	10.97	139	16106	19.68	nq	90
56) 2,4-Dinitrotoluene	11.02	165	31275	22.00	nq	97
57) Fluorene	11.44	166	113575	22.08	nq	99
58) 2,3,4,6-Tetrachlorophenol	11.17	232	24440	22.74	nq	100
59) Diethylphthalate	11.33	149	110229	21.43	nq	98
60) 4-Chlorophenyl-phenylether	11.45	204	52013	21.98	nq	# 70
61) 4-Nitroaniline	11.48	138	25045	19.85	nq	97
62) Azobenzene	11.64	77	106455	22.67	nq	98
64) 4,6-Dinitro-2-methylphenol	11.52	198	10403	21.07	nq	91
65) n-Nitrosodiphenylamine	11.61	169	95920	20.15	nq	98
66) 4-Bromophenyl-phenylether	12.05	248	31384	21.53	nq	97
67) Hexachlorobenzene	12.11	284	33419	20.92	nq	97
68) Atrazine	12.28	200	29576	21.45	nq	97
69) Pentachlorophenol	12.37	266	9469	19.83	nq	95
70) Phenanthrene	12.63	178	166388	20.90	nq	98
71) Anthracene	12.68	178	169621	21.62	nq	100
72) Carbazole	12.90	167	156255	21.25	nq	99
73) Di-n-butylphthalate	13.36	149	174551	20.96	nq	99
74) Fluoranthene	14.09	202	178061	21.21	nq	96
76) Benzidine	14.28	184	103302	19.18	nq	98
77) Pyrene	14.37	202	191514	21.81	nq	99
79) Butylbenzylphthalate	15.21	149	69605	20.80	nq	98
80) Benzo(a)anthracene	15.86	228	174817	21.00	nq	100
81) 3,3'-Dichlorobenzidine	15.85	252	31863	11.43	nq	# 95
82) Chrysene	15.91	228	166485	21.29	nq	100
83) Bis(2-ethylhexyl)phthalate	15.95	149	111978	21.33	nq	99
84) Di-n-octyl phthalate	16.76	149	178527	20.71	nq	# 100
85) Indeno(1,2,3-cd)pyrene	18.98	276	181354	20.44	nq	# 85
87) Benzo(b)fluoranthene	17.20	252	168343	20.16	nq	99
88) Benzo(k)fluoranthene	17.22	252	157687m	21.25	nq	
89) Benzo(a)pyrene	17.59	252	159126	21.83	nq	98
90) Dibenzo(a,h)anthracene	19.01	278	146593	20.09	nq	98
91) Benzo(g,h,i)perylene	19.37	276	152379	20.83	nq	98

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



#1

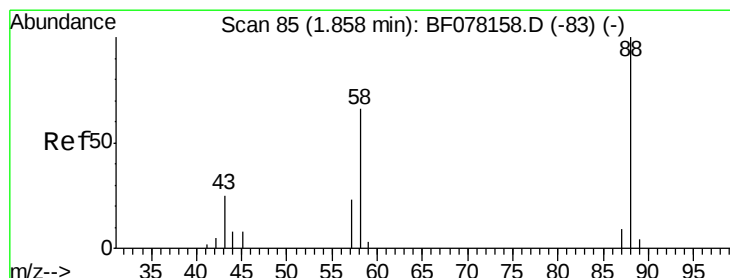
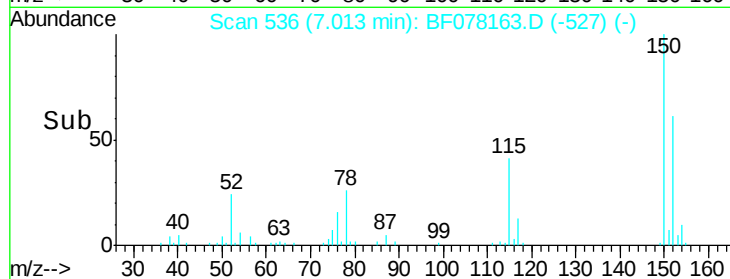
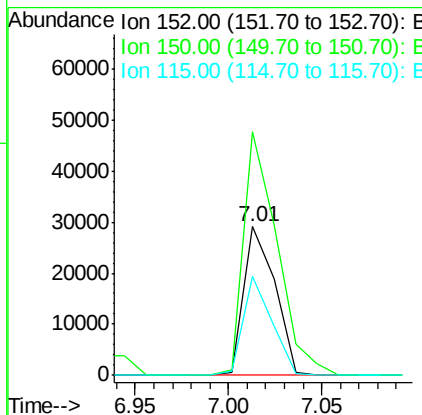
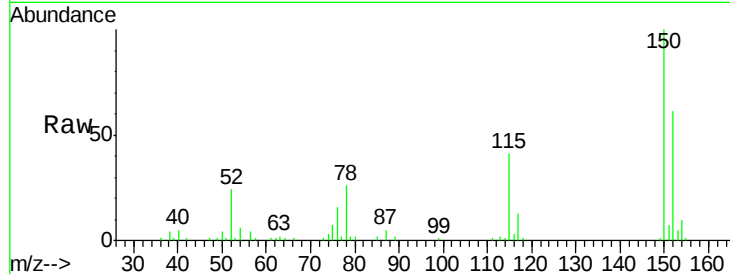
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.01 min Scan# 536
Delta R.T. -0.00 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.6	125.9	188.9
115	66.6	52.7	79.1

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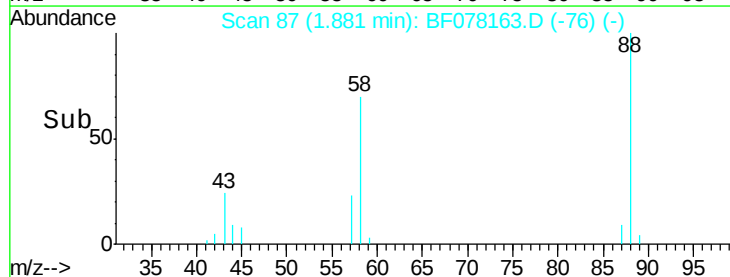
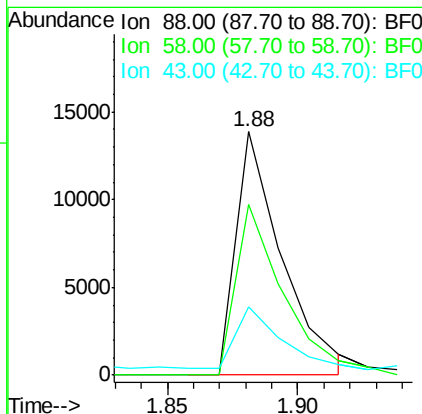
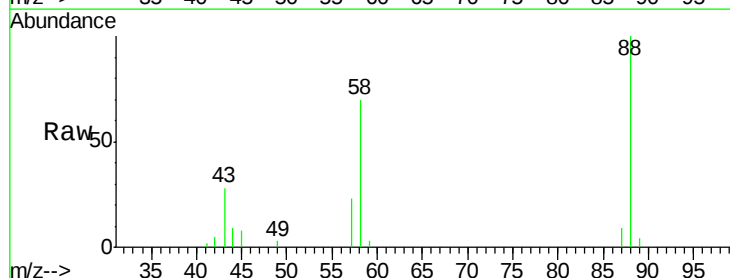
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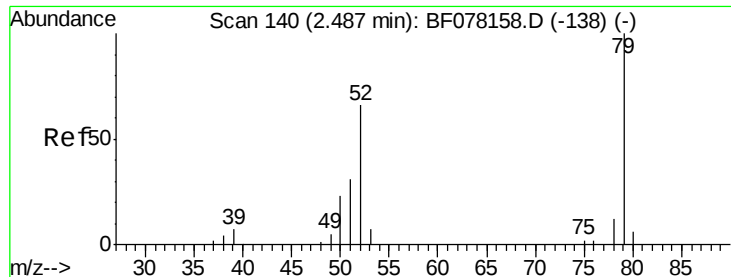


#2

1,4-Dioxane
Concen: 18.54 ng
RT: 1.88 min Scan# 87
Delta R.T. 0.02 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

Tgt Ion	Ratio	Lower	Upper
88	100		
58	71.1	56.9	85.3
43	25.2	21.4	32.2





#3

Pvridine

Concen: 18.55 ng

RT: 2.54 min Scan# 145

Delta R.T. 0.06 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Instrument :

BNA_F

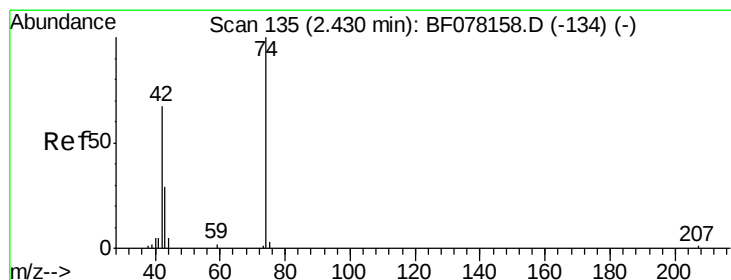
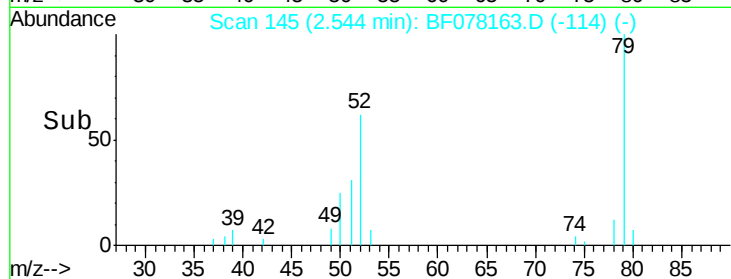
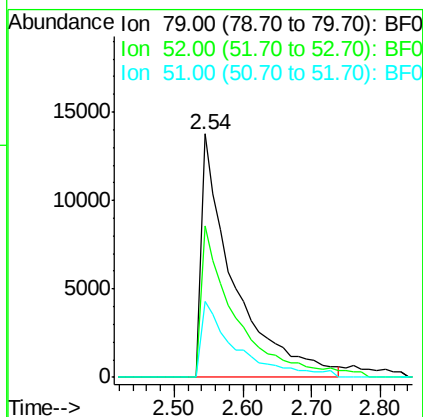
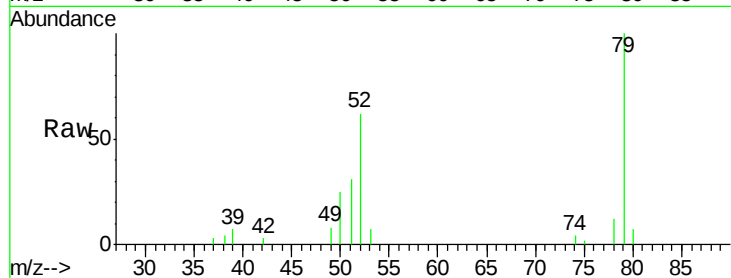
ClientSampleId :

LOQ-SOIL2015-02

Tot Ion:	79	Resp:	45038
Ion	Ratio	Lower	Upper
79	100		
52	61.9	52.4	78.6
51	31.1	24.9	37.3

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 19.29 ng m

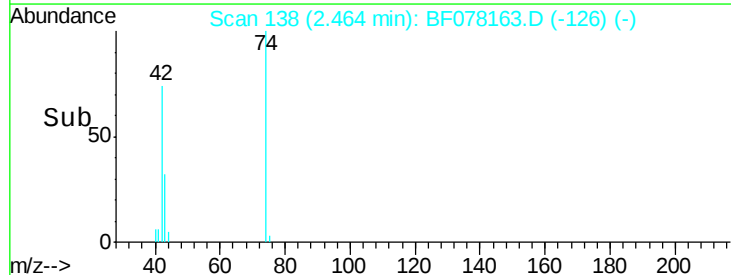
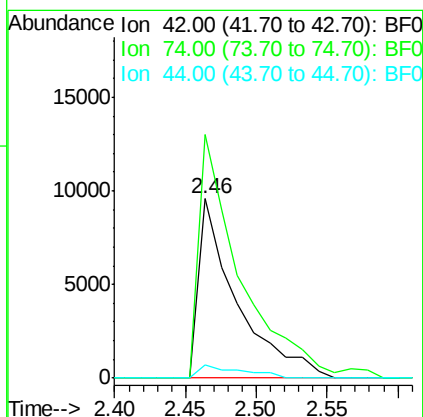
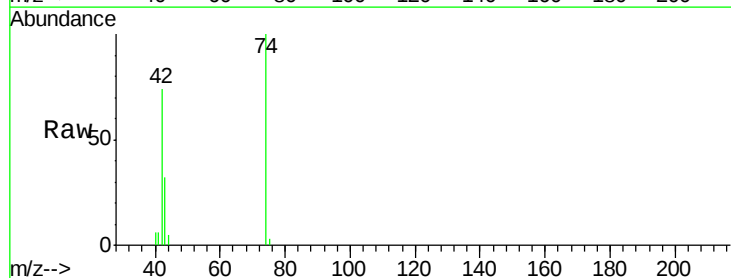
RT: 2.46 min Scan# 138

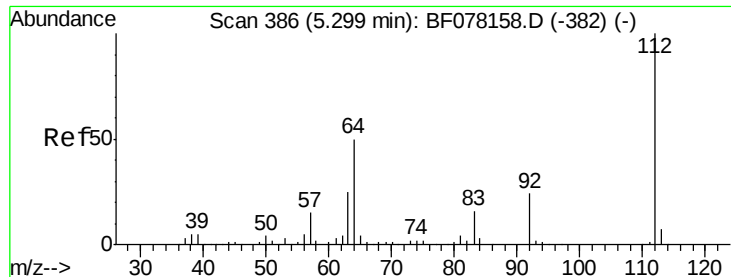
Delta R.T. 0.04 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Tgt Ion:	42	Resp:	18030
Ion	Ratio	Lower	Upper
42	100		
74	135.7	118.7	178.1
44	7.1	5.9	8.9





#5

2-Fluorophenol

Concen: 163.82 ng

RT: 5.30 min Scan# 386

Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Instrument :

BNA_F

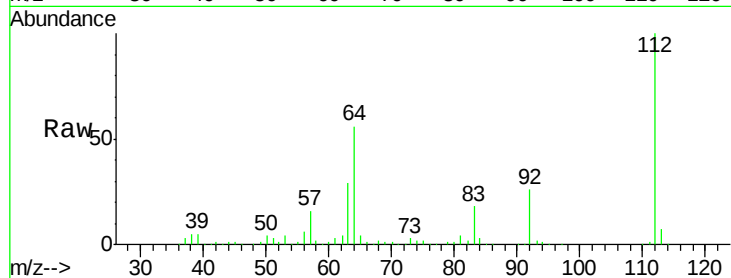
ClientSampleId :

LOQ-SOIL2015-02

Tot Ion:	112	Resp:	335774
Ion Ratio	Lower	Upper	
112	100		
64	55.6	39.9	59.9
63	28.7	20.2	30.4

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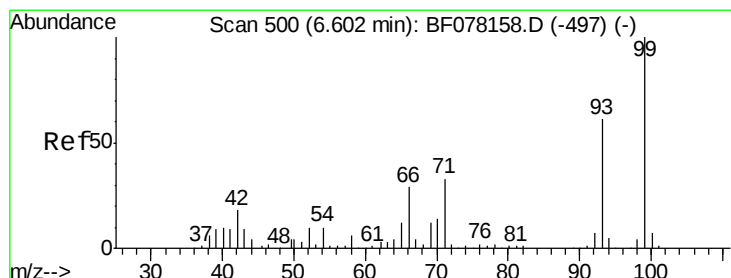
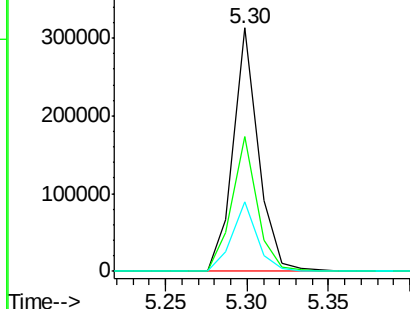
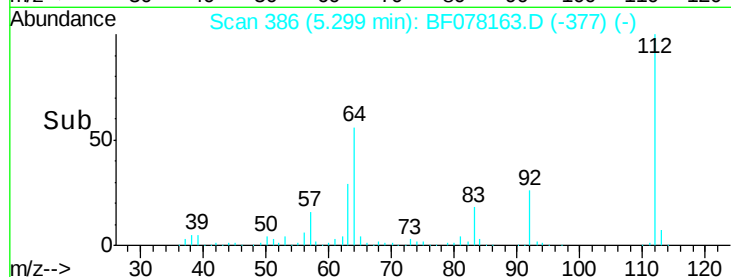
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 11.06 ng

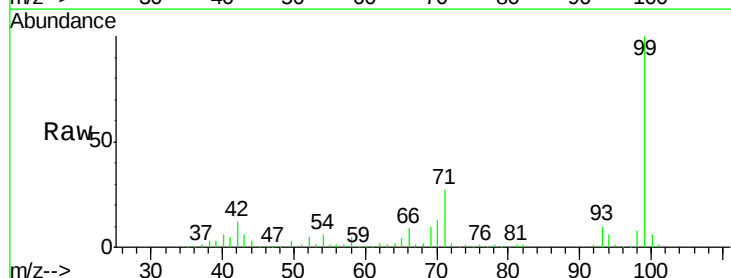
RT: 6.61 min Scan# 501

Delta R.T. 0.01 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

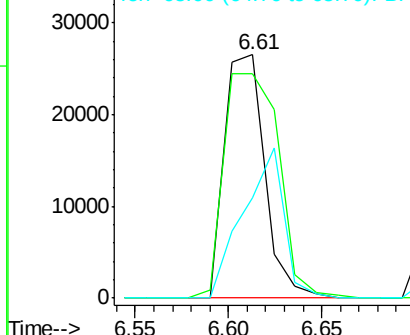
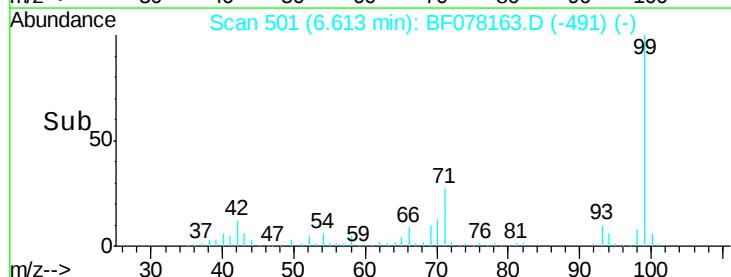
Tgt Ion:	93	Resp:	40295
Ion Ratio	Lower	Upper	
93	100		
66	92.3	38.0	57.0#
65	41.1	16.3	24.5#



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 162.84 ng

RT: 6.60 min Scan# 500

Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Instrument :

BNA_F

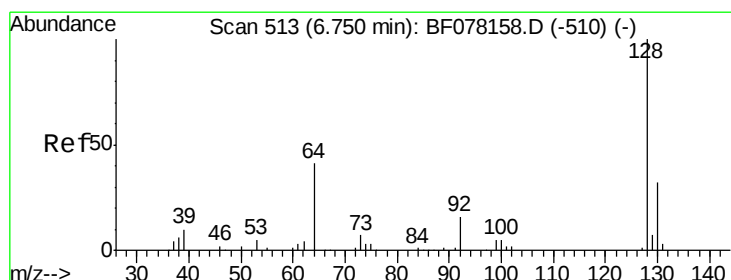
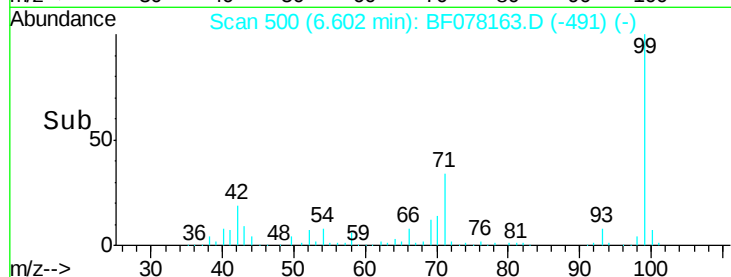
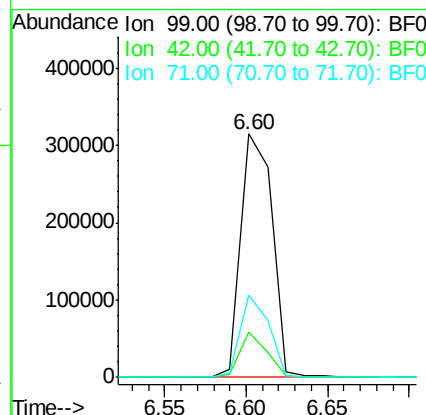
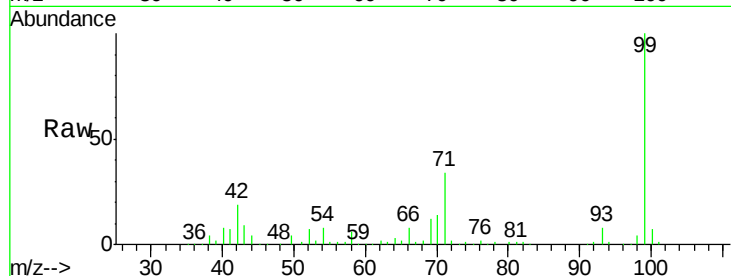
ClientSampleId :

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Tot Ion:	99	Resp:	418287
Ion Ratio	Lower	Upper	
99	100		
42	18.7	14.8	22.2
71	33.6	26.6	39.8

Manual Integrations
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#8

2-Chlorophenol

Concen: 21.85 ng

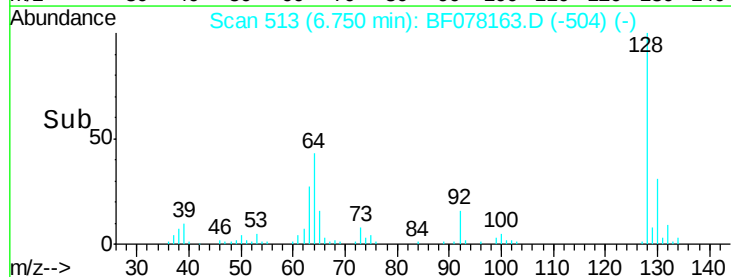
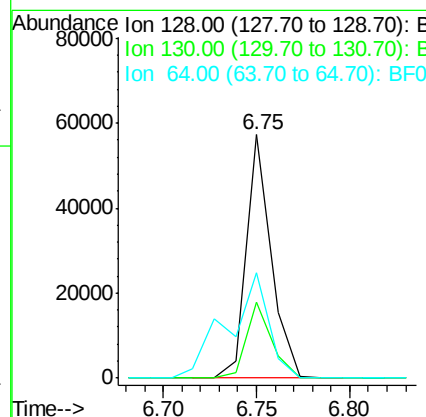
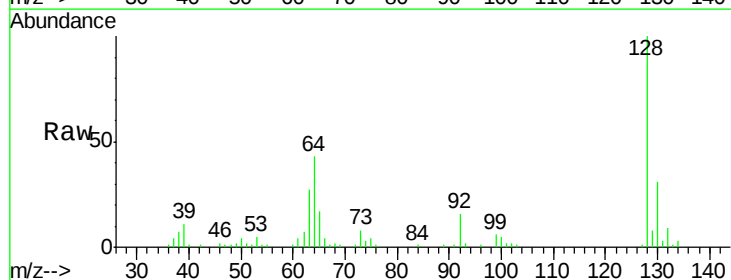
RT: 6.75 min Scan# 513

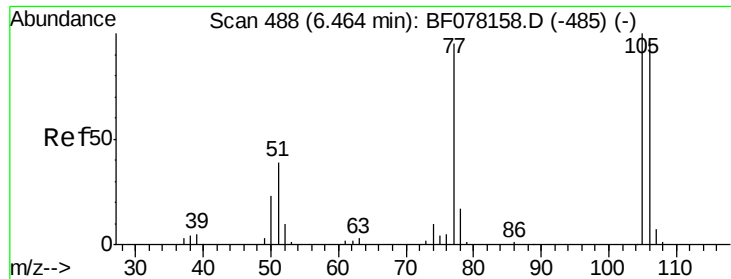
Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Tgt Ion:	128	Resp:	52954
Ion Ratio	Lower	Upper	
128	100		
130	31.1	12.3	52.3
64	43.1	23.8	63.8





#9

Benzaldehyde

Concen: 22.42 ng

RT: 6.46 min Scan# 488

Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

Tot Ion: 77 Resp: 38170

Ion Ratio Lower Upper

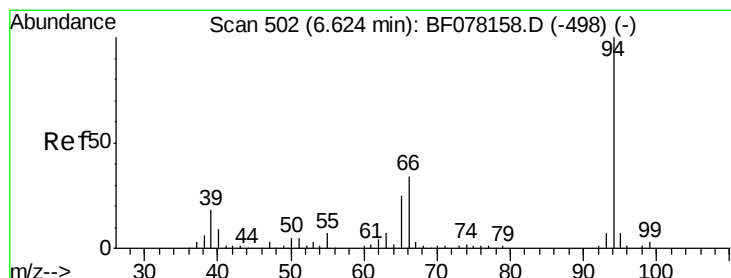
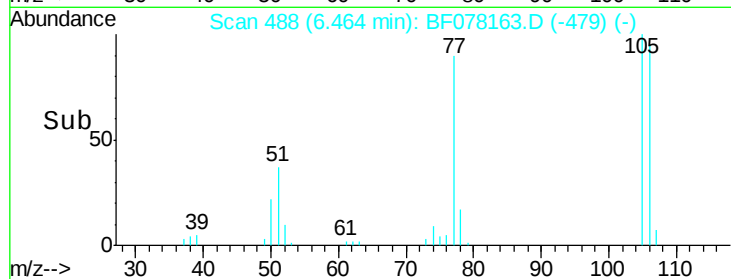
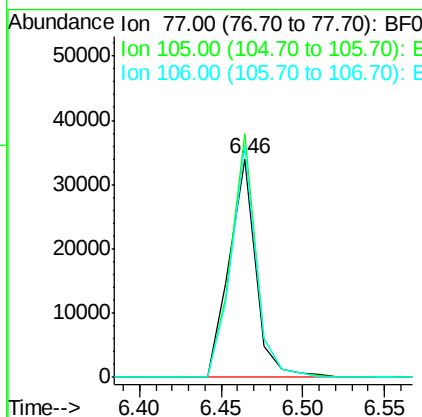
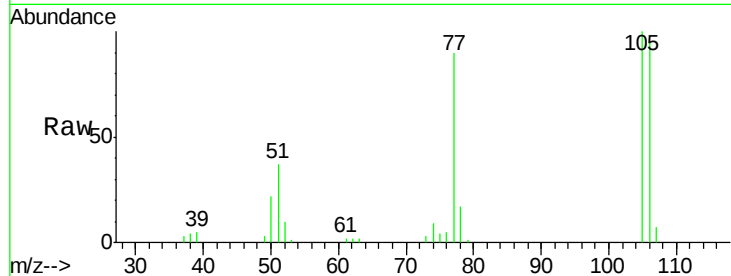
77 100

105 111.4 85.4 125.4

106 106.2 80.8 120.8

Manual Integrations
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#10

Phenol

Concen: 20.53 ng

RT: 6.62 min Scan# 502

Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

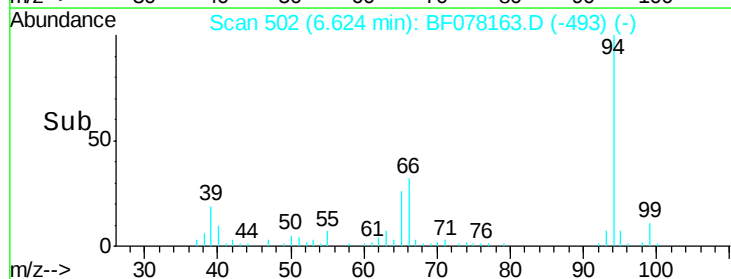
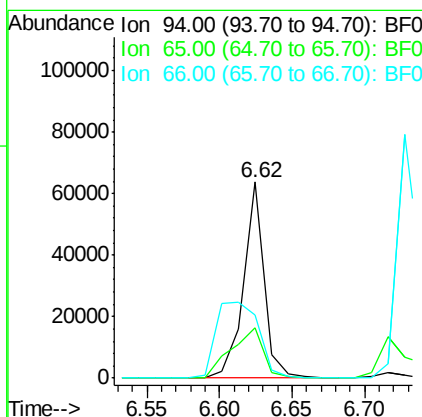
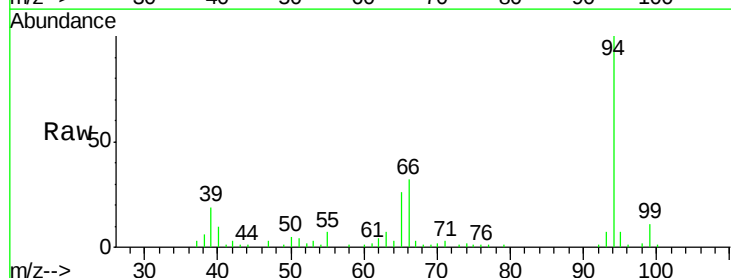
Tgt Ion: 94 Resp: 63178

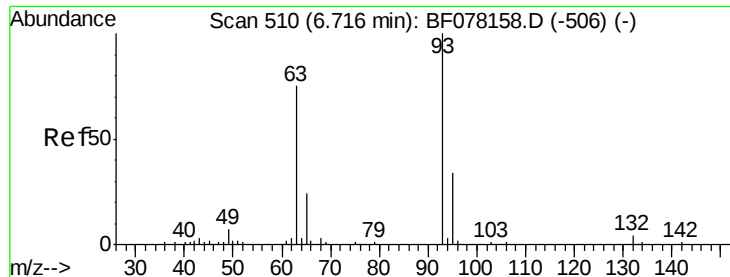
Ion Ratio Lower Upper

94 100

65 25.6 4.9 44.9

66 32.2 13.8 53.8





#11

bis(2-Chloroethyl)ether

Concen: 22.91 ng

RT: 6.72 min Scan# 510

Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Instrument :

BNA_F

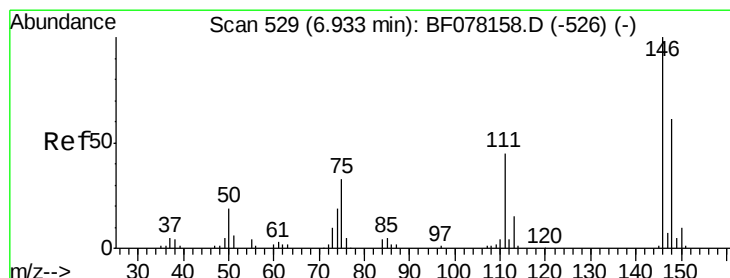
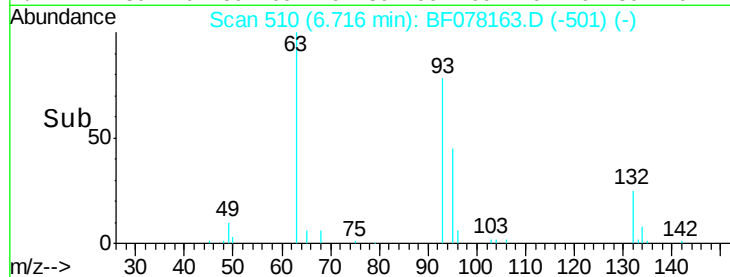
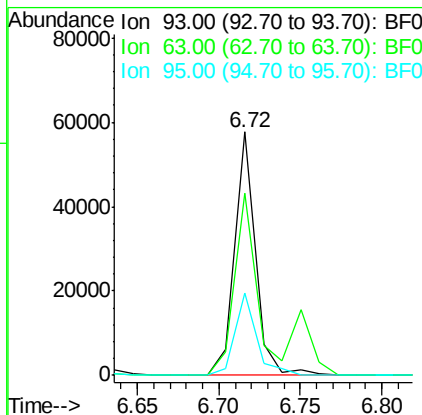
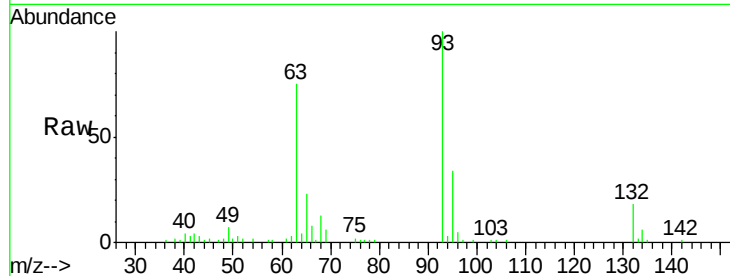
ClientSampleId :

LOQ-SOIL2015-02

Tot Ion:	93	Resp:	50701
Ion Ratio	Lower	Upper	
93	100		
63	74.9	54.6	94.6
95	33.7	13.6	53.6

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#12

1,3-Dichlorobenzene

Concen: 20.44 ng

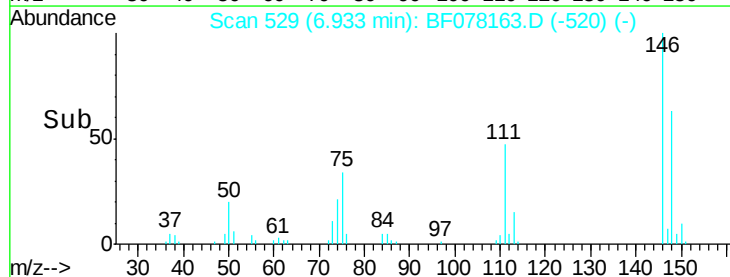
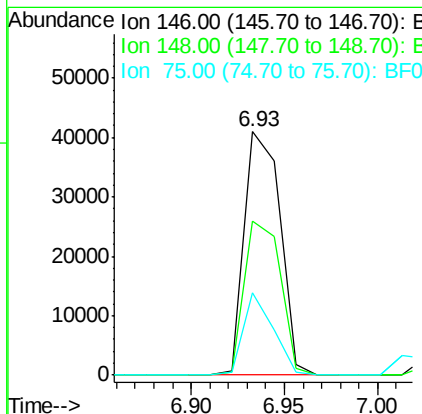
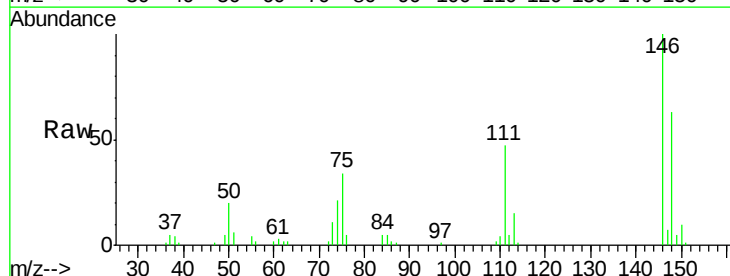
RT: 6.93 min Scan# 529

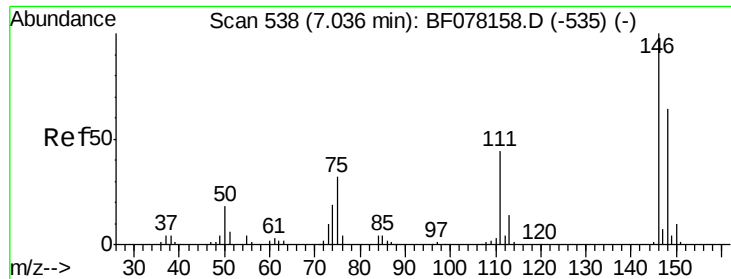
Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Tgt Ion:	146	Resp:	54431
Ion Ratio	Lower	Upper	
146	100		
148	63.1	49.1	73.7
75	34.1	26.6	40.0





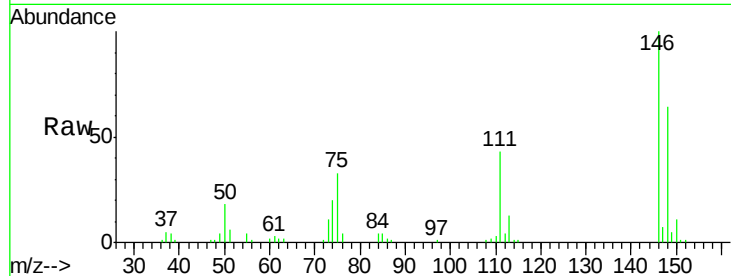
#13
 1,4-Dichlorobenzene
 Concen: 20.85 ng
 RT: 7.04 min Scan# 538
 Delta R.T. -0.00 min
 Lab File: BF078163.D
 Acq: 1 Apr 2015 20:31

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

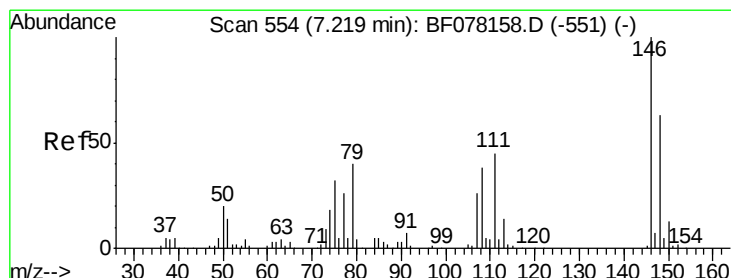
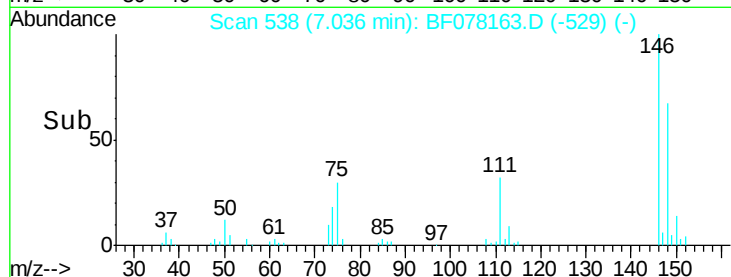
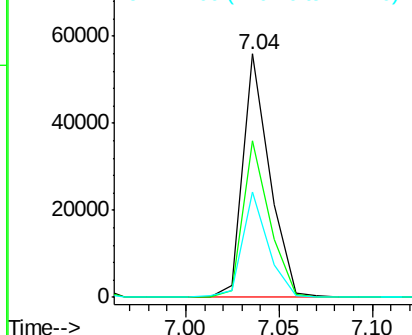
Tot Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.4	77.0
111	43.2	35.0	52.4

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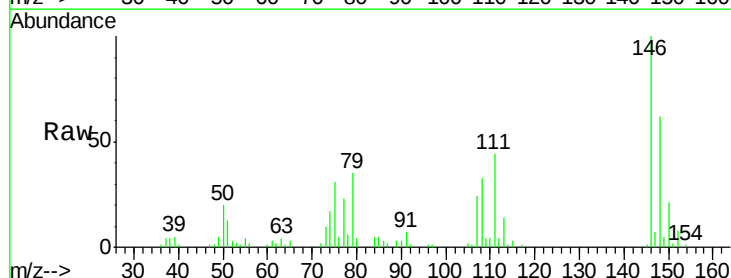


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

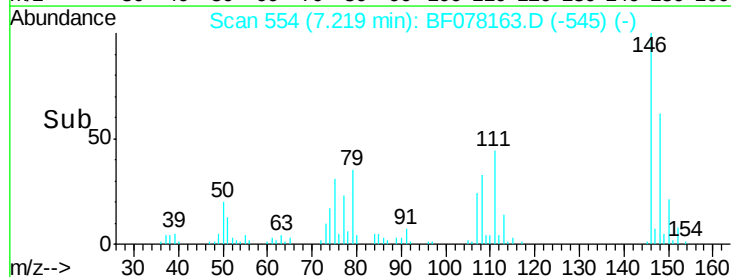
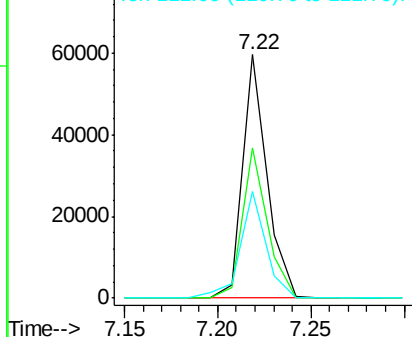


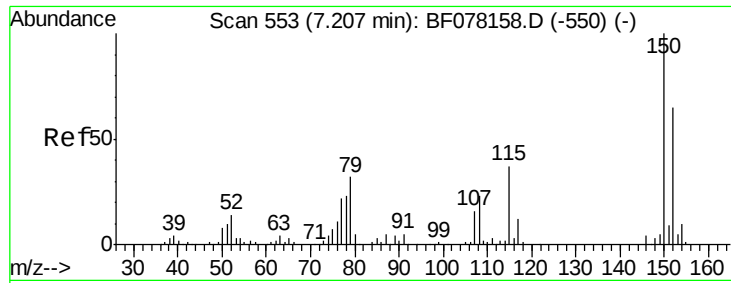
#14
 1,2-Dichlorobenzene
 Concen: 21.46 ng
 RT: 7.22 min Scan# 554
 Delta R.T. -0.00 min
 Lab File: BF078163.D
 Acq: 1 Apr 2015 20:31

Tgt Ion	Ratio	Lower	Upper
146	100		
148	61.8	50.2	75.4
111	43.8	36.1	54.1



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





#15

Benzyl Alcohol

Concen: 22.38 ng

RT: 7.21 min Scan# 553

Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Instrument :

BNA_F

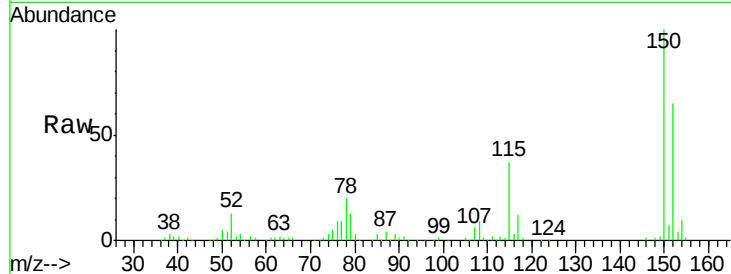
ClientSampleId :

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Tot Ion	Ratio	Lower	Upper
79	100		
108	69.4	57.6	86.4
77	70.5	53.5	80.3

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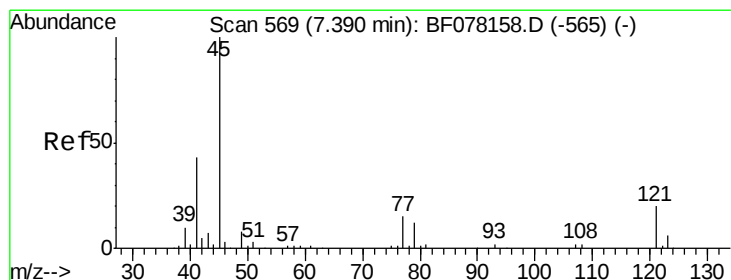
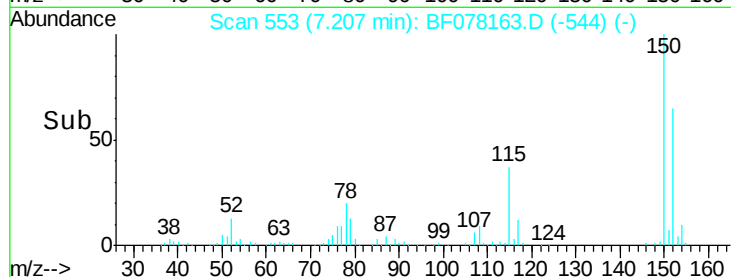
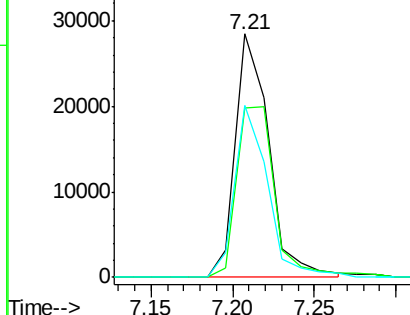
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Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-chloropropane)

Concen: 21.65 ng

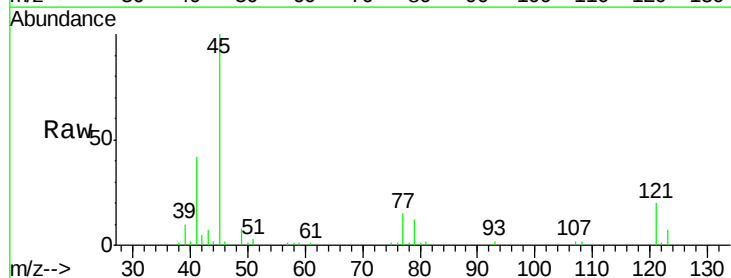
RT: 7.39 min Scan# 569

Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

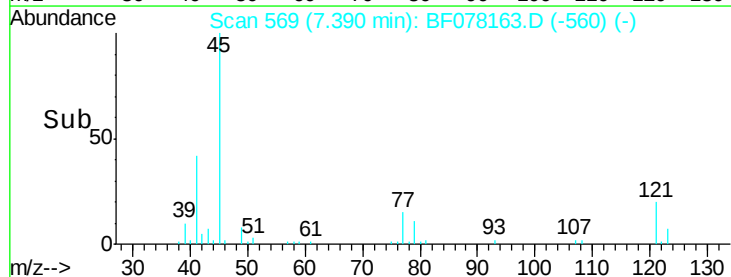
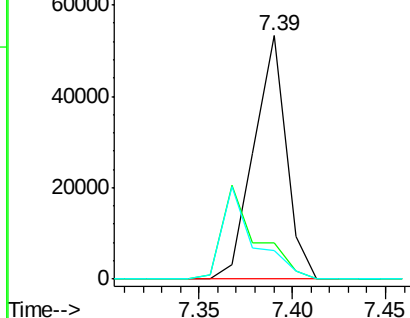
Tgt Ion	Ratio	Lower	Upper
45	100		
77	14.6	0.0	34.5
79	11.9	0.0	31.9

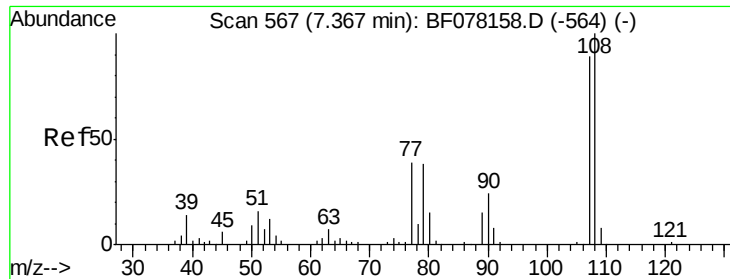


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





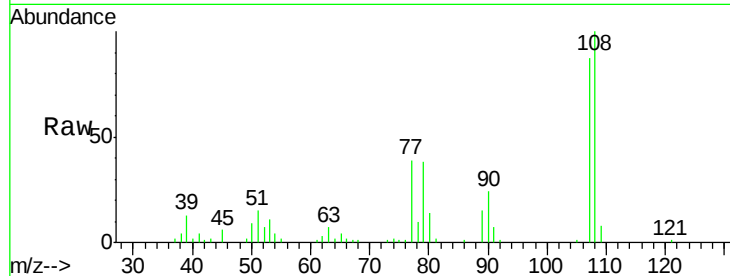
#17
2-Methylphenol
Concen: 21.94 ng
RT: 7.37 min Scan# 567
Delta R.T. -0.00 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

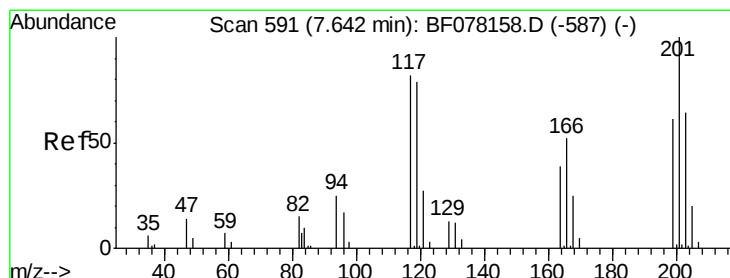
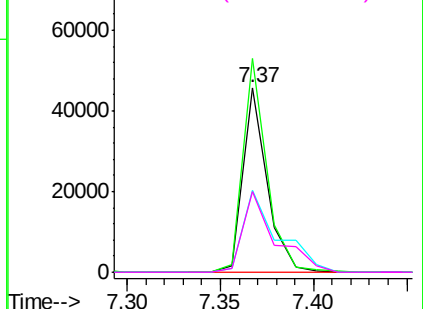
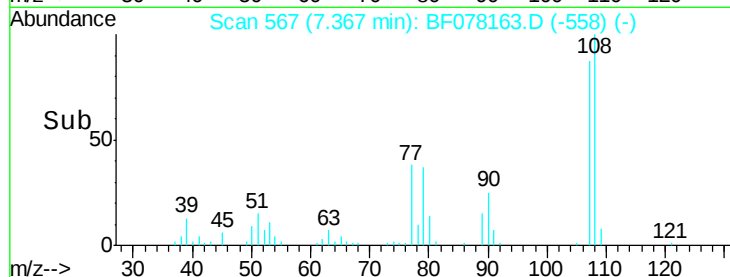
Tot Ion:	107	Resp:	41284
Ion Ratio	Lower	Upper	
107	100		
108	115.5	90.3	135.5
77	44.6	35.5	53.3
79	44.0	34.2	51.4

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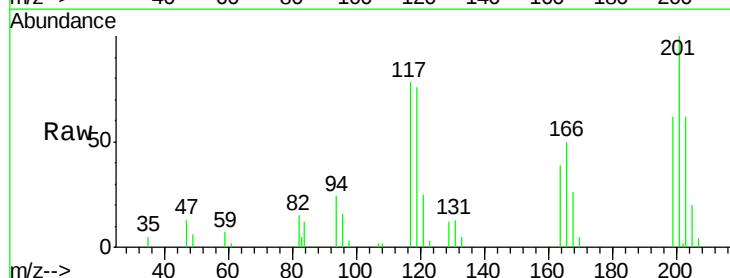


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

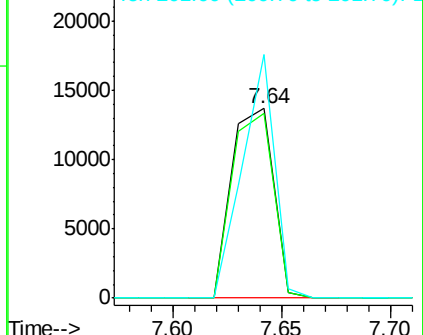
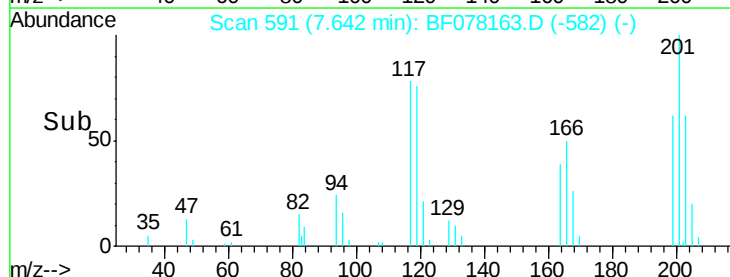


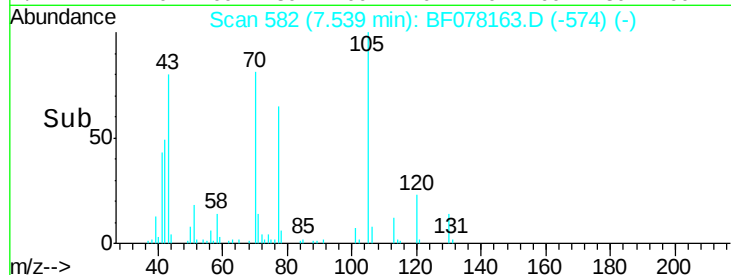
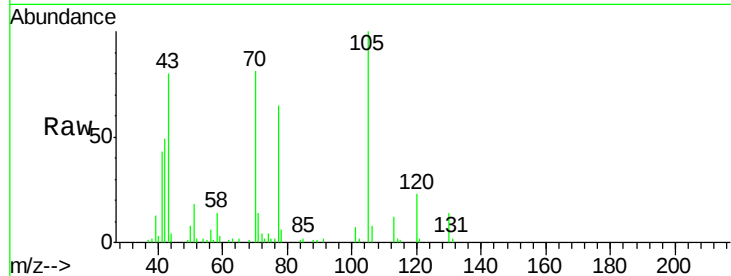
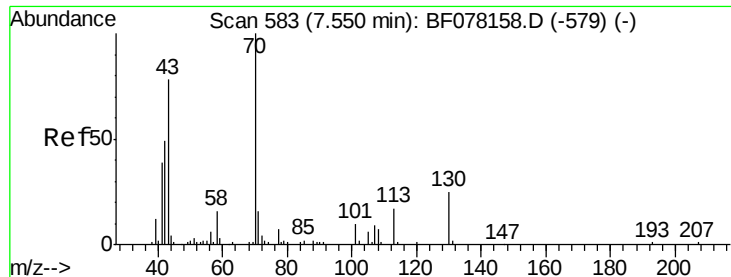
#18
Hexachloroethane
Concen: 20.27 ng
RT: 7.64 min Scan# 591
Delta R.T. -0.00 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

Tgt Ion:	117	Resp:	18317
Ion Ratio	Lower	Upper	
117	100		
119	97.3	77.0	115.6
201	128.5	98.1	147.1



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





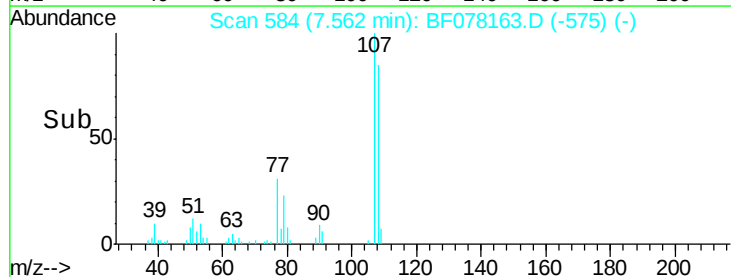
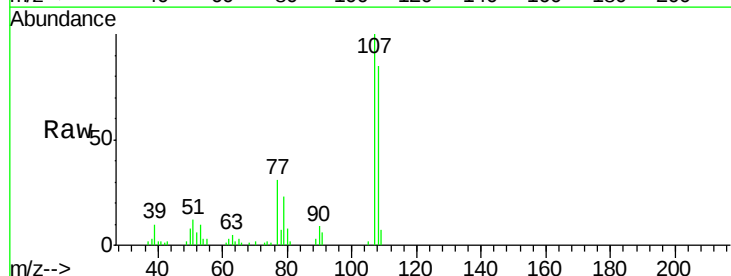
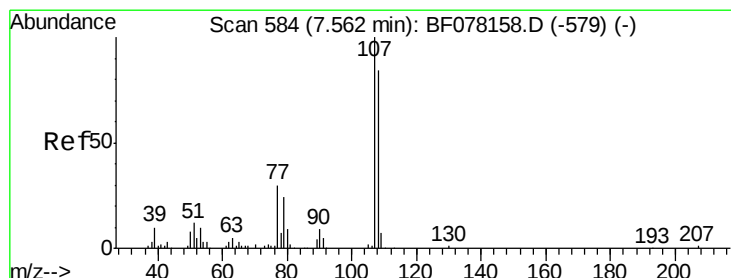
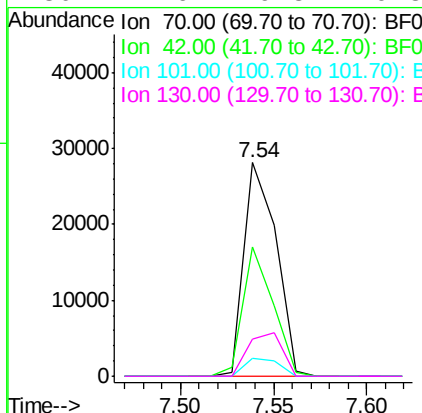
#19
n-Nitroso-di-n-propylamine
Concen: 19.90 ng
RT: 7.54 min Scan# 582
Delta R.T. -0.01 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	60.7	38.9	58.3#	
101	8.5	8.3	12.5	
130	17.6	19.8	29.8#	

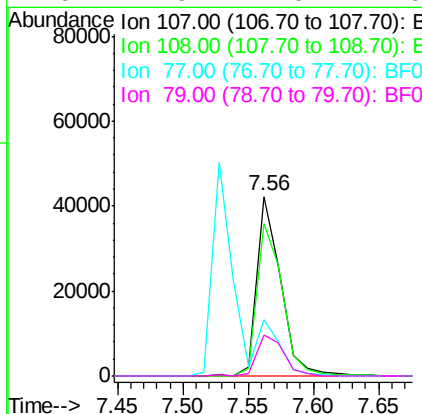
Manual Integrations
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#20
3+4-Methylphenols
Concen: 21.72 ng
RT: 7.56 min Scan# 584
Delta R.T. -0.00 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	85.3	64.4	104.4	
77	31.2	9.7	49.7	
79	22.9	4.0	44.0	





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.59 min Scan# 674

Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Instrument :

BNA_F

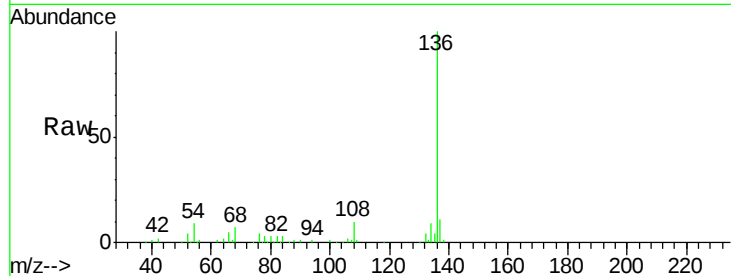
ClientSampleId :

LOQ-SOIL2015-02

Tot Ion	Ratio	Resp	Lower	Upper
136	100	140439		
137	10.9		9.0	13.4
54	8.5		7.0	10.6
68	6.6		5.4	8.2

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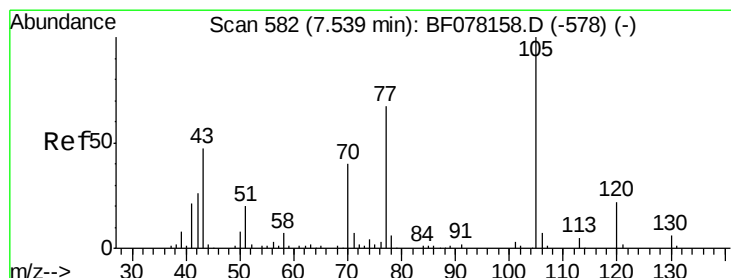
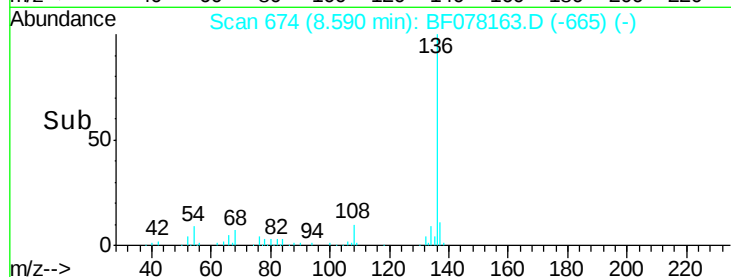
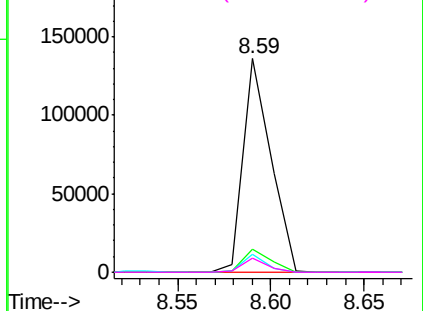
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 21.69 ng

RT: 7.53 min Scan# 581

Delta R.T. -0.01 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	70972		
71	0.0		5.5	8.3#
51	27.5		16.0	24.0#
120	20.5		17.8	26.6

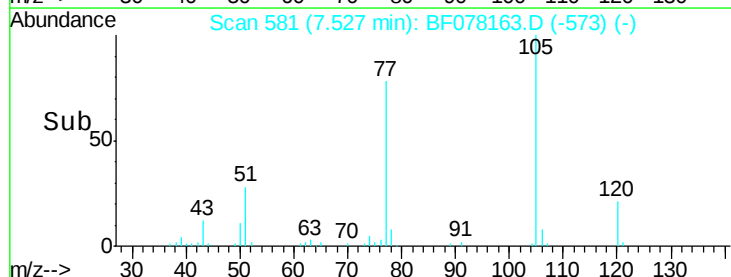
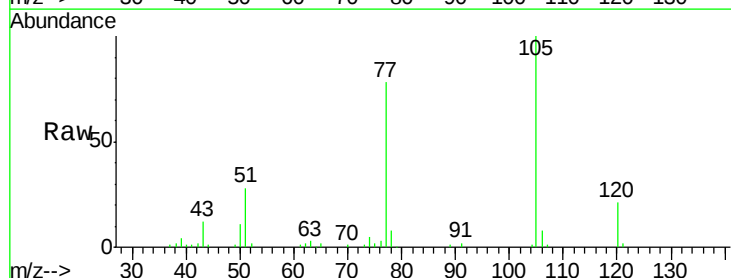
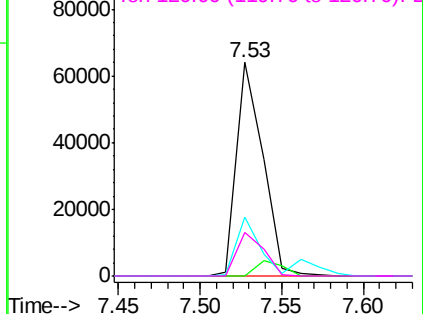
Abundance

Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 103.10 ng

RT: 7.71 min Scan# 597

Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Instrument :

BNA_F

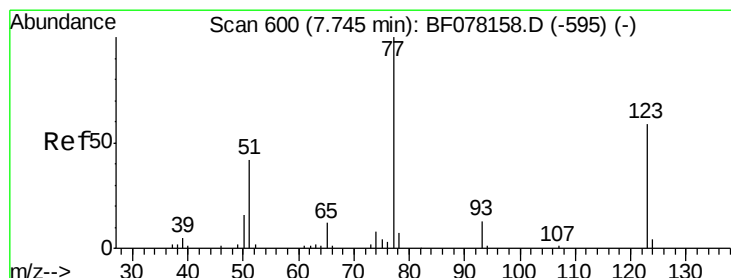
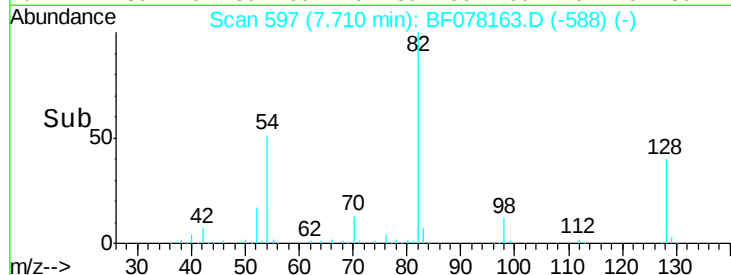
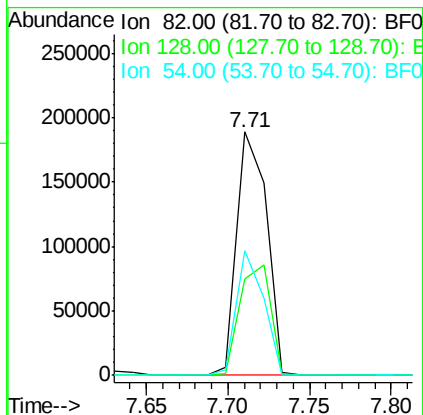
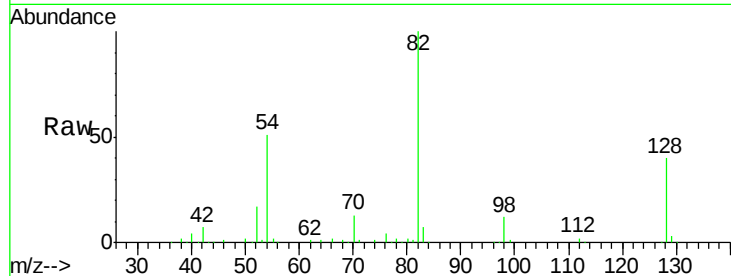
ClientSampleId :

LOQ-SOIL2015-02

Tot Ion:	82	Resp:	238872
Ion Ratio		Lower	Upper
82	100		
128	39.6	31.8	47.8
54	51.3	41.5	62.3

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#24

Nitrobenzene

Concen: 20.41 ng

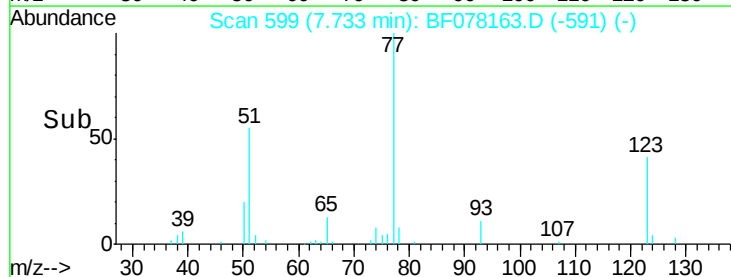
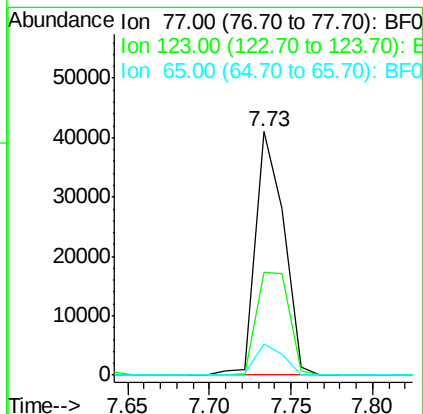
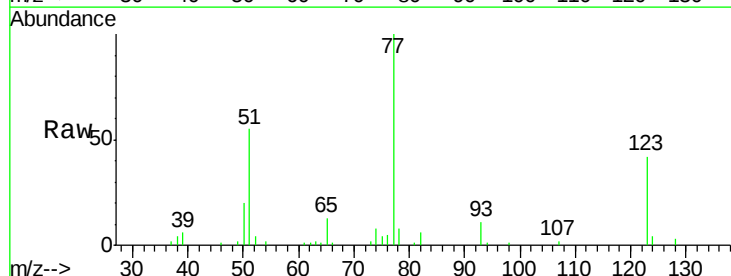
RT: 7.73 min Scan# 599

Delta R.T. -0.01 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Tgt Ion:	77	Resp:	49438
Ion Ratio		Lower	Upper
77	100		
123	42.1	46.9	70.3#
65	12.8	9.5	14.3





#25

Isophorone

Concen: 20.73 ng

RT: 8.04 min Scan# 626

Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Instrument :

BNA_F

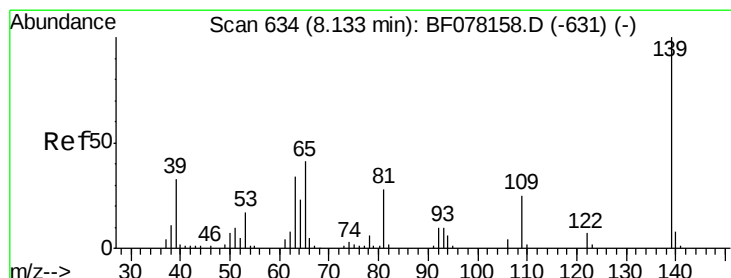
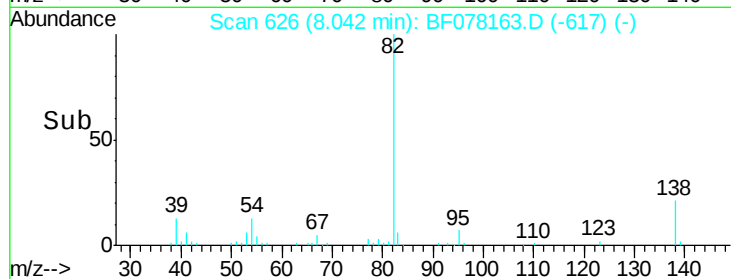
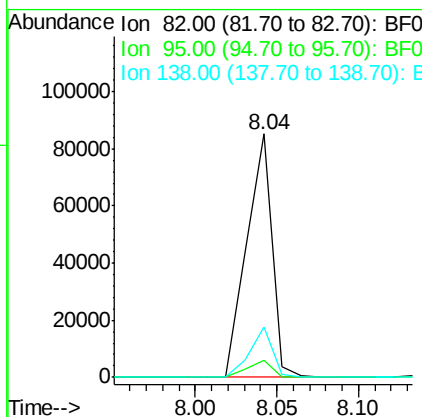
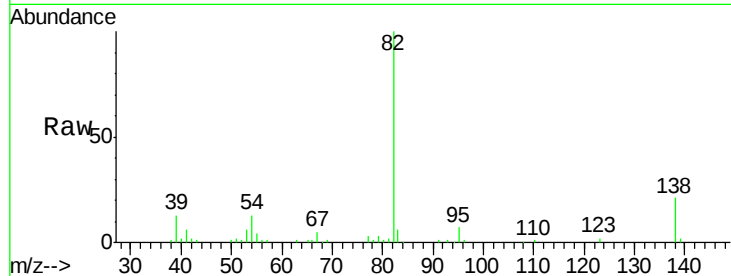
ClientSampleId :

LOQ-SOIL2015-02

Tot Ion:	82	Resp:	91147
Ion Ratio	Lower	Upper	
82	100		
95	6.9	5.7	8.5
138	20.6	15.8	23.8

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#26

2-Nitrophenol

Concen: 20.21 ng

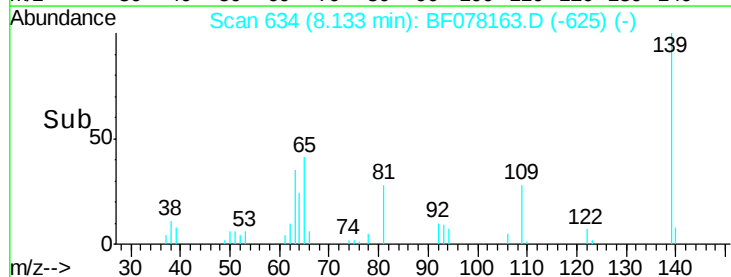
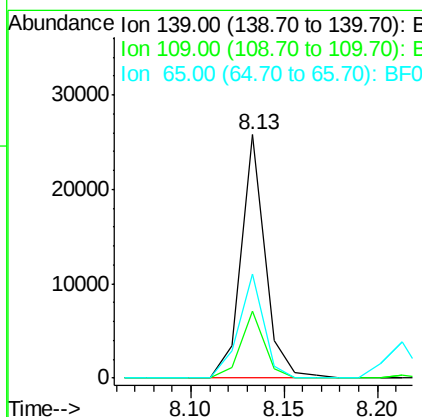
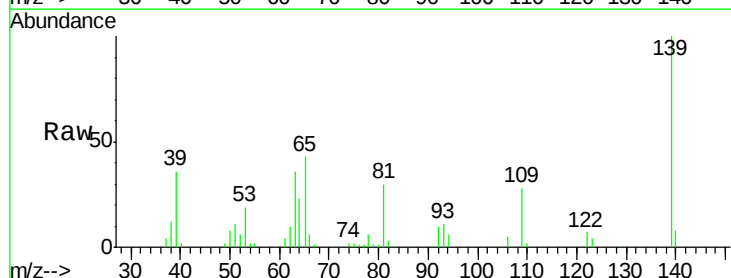
RT: 8.13 min Scan# 634

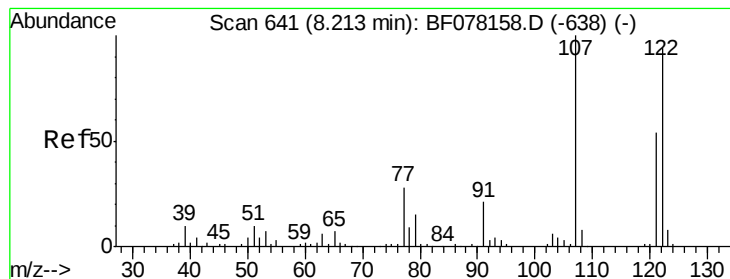
Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Tgt Ion:	139	Resp:	23322
Ion Ratio	Lower	Upper	
139	100		
109	27.5	19.8	29.8
65	42.7	32.7	49.1





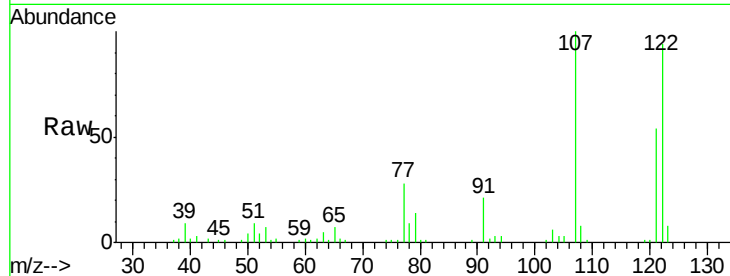
#27
2,4-Dimethylphenol
Concen: 20.84 ng
RT: 8.21 min Scan# 641
Delta R.T. -0.00 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

Instrument :
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ClientSampleId :
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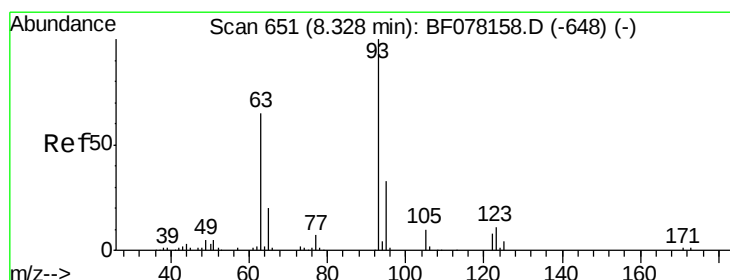
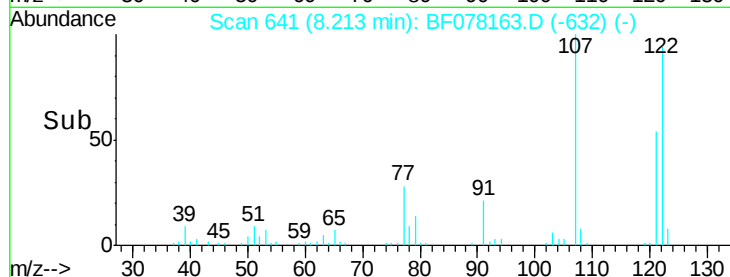
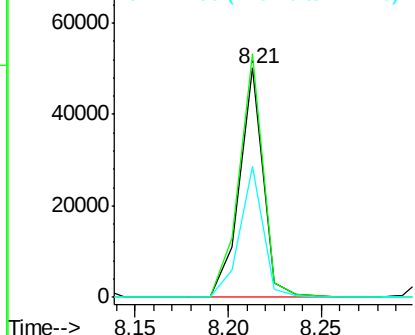
Tot Ion	Ion	Ratio	Resp	Lower	Upper
122	100		44734		
107	106.3	84.6	127.0		
121	57.0	46.0	69.0		

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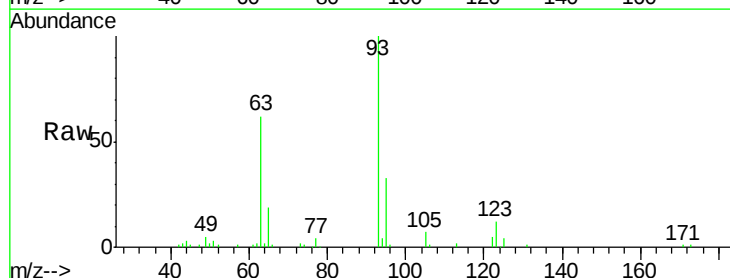


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

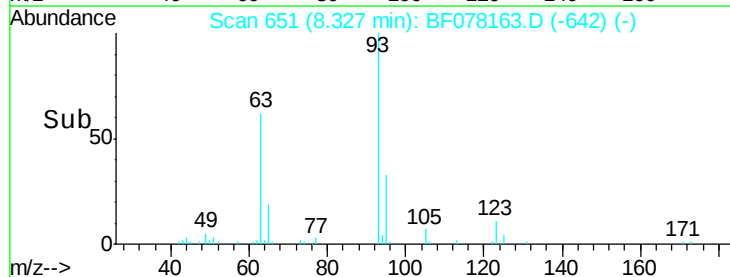
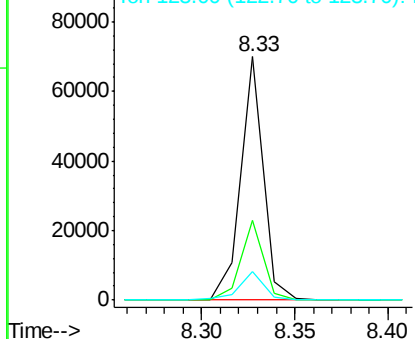


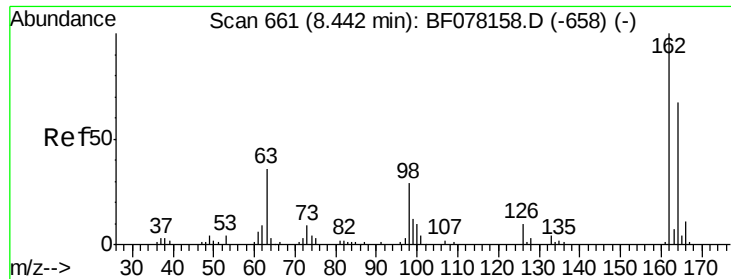
#28
bis(2-Chloroethoxy)methane
Concen: 21.00 ng
RT: 8.33 min Scan# 651
Delta R.T. -0.00 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100		59209		
95	32.6	26.3	39.5		
123	11.6	9.1	13.7		



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





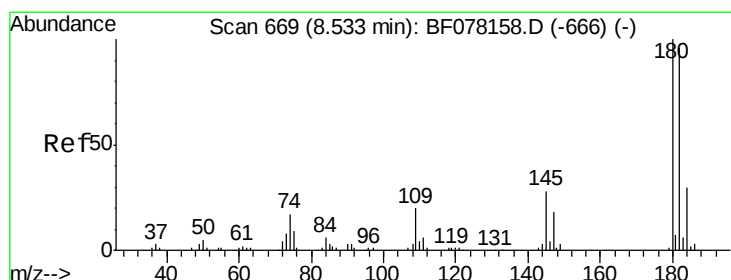
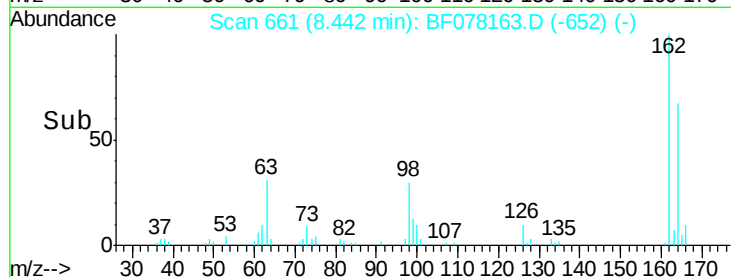
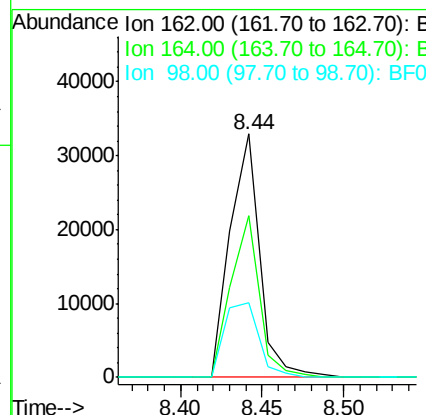
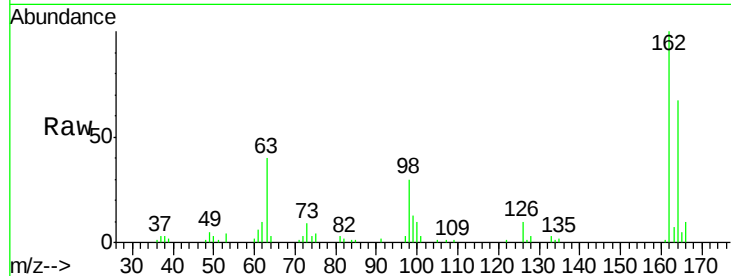
#29
 2,4-Dichlorophenol
 Concen: 21.01 ng
 RT: 8.44 min Scan# 661
 Delta R.T. -0.00 min
 Lab File: BF078163.D
 Acq: 1 Apr 2015 20:31

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
162	100	41035		
164	66.6	47.0	87.0	
98	30.4	9.2	49.2	

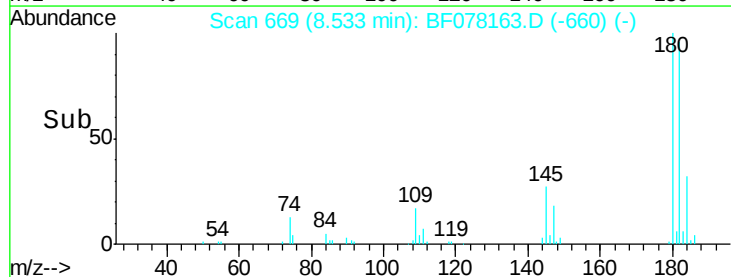
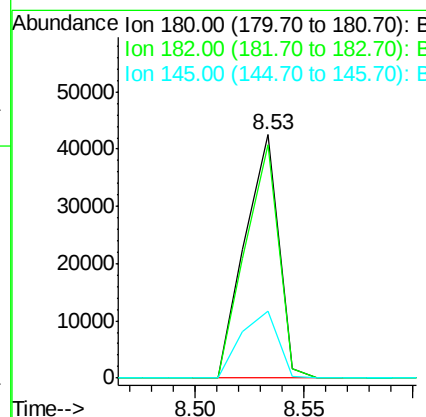
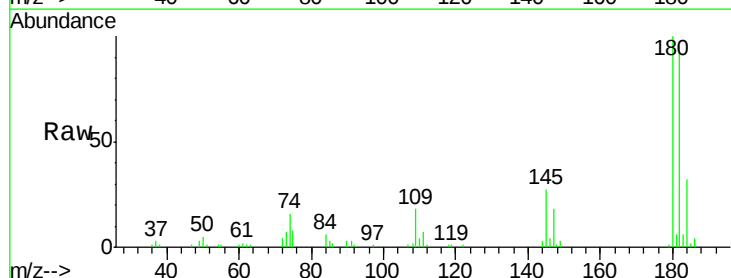
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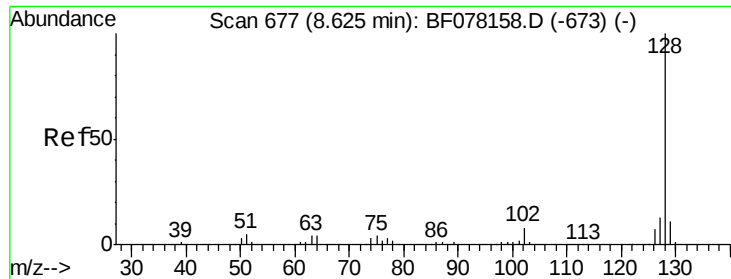
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#30
 1,2,4-Trichlorobenzene
 Concen: 20.35 ng
 RT: 8.53 min Scan# 669
 Delta R.T. -0.00 min
 Lab File: BF078163.D
 Acq: 1 Apr 2015 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	45571		
182	96.0	76.9	115.3	
145	27.3	22.5	33.7	





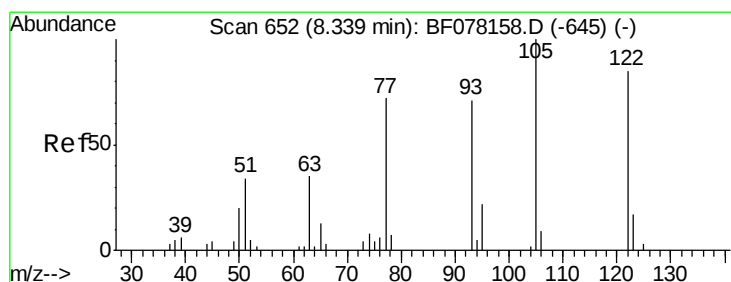
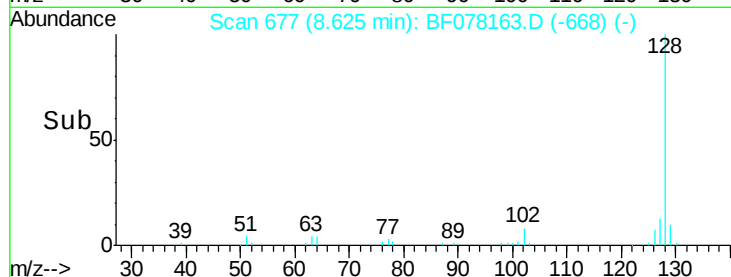
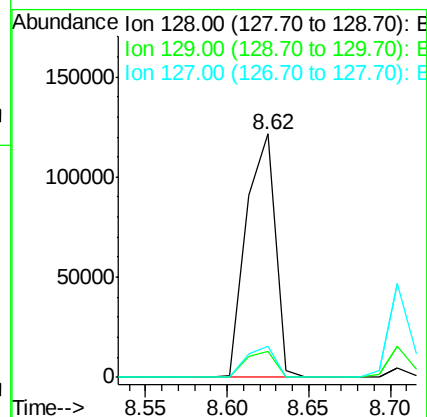
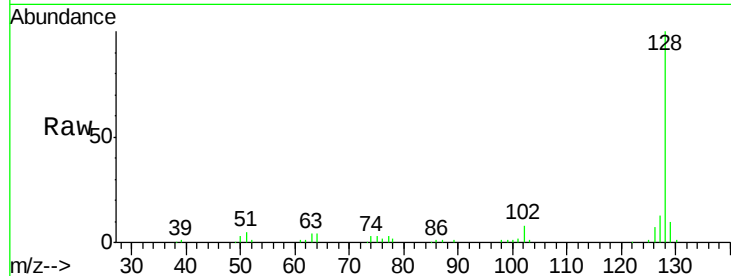
#31
Naphthalene
Concen: 20.37 ng
RT: 8.62 min Scan# 677
Delta R.T. -0.00 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	148882		
129	10.4		8.6	12.8
127	12.7		10.7	16.1

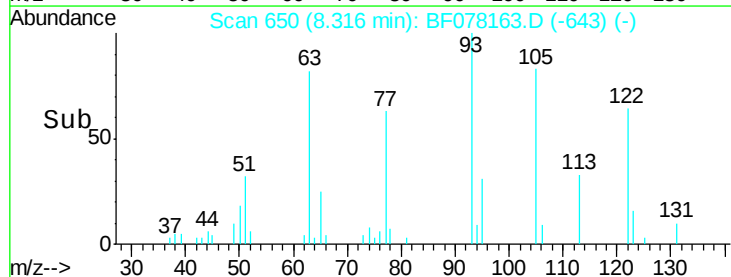
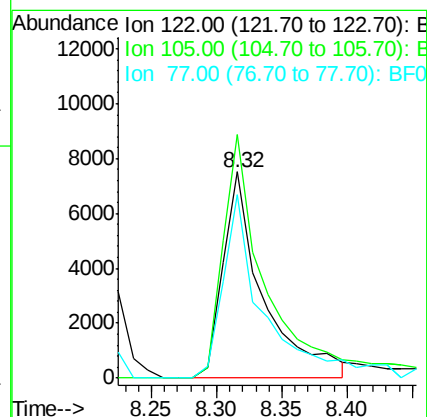
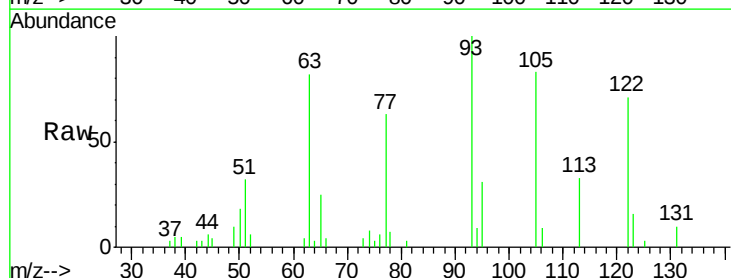
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#32
Benzoic acid
Concen: 19.87 ng
RT: 8.32 min Scan# 650
Delta R.T. -0.02 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	16160		
105	118.1		96.1	136.1
77	89.0		64.1	104.1





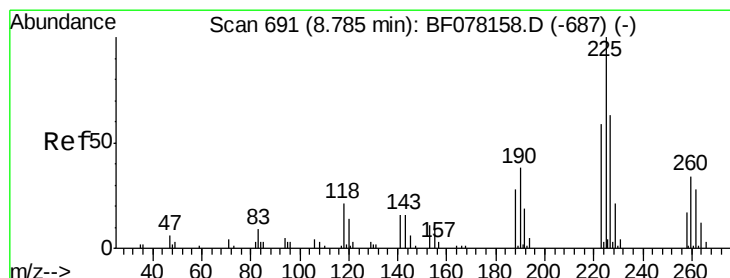
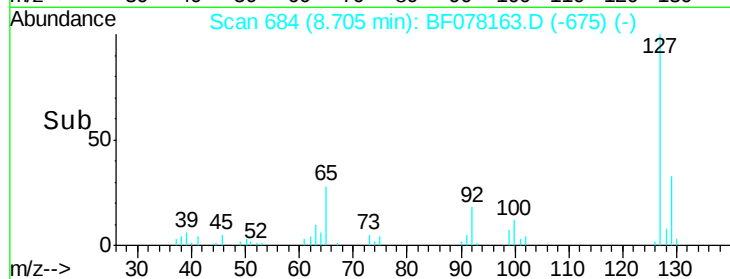
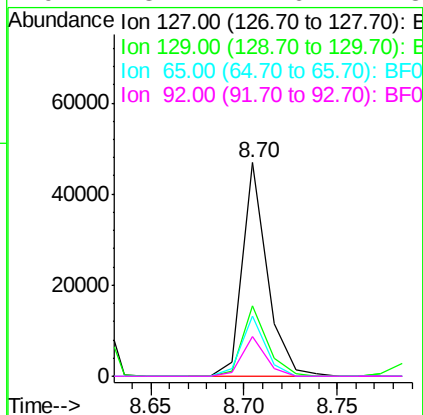
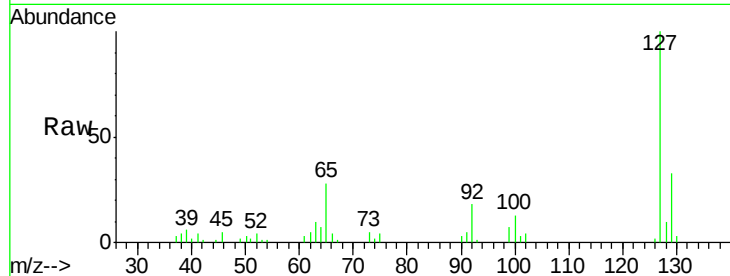
#33
4-Chloroaniline
Concen: 14.34 ng
RT: 8.70 min Scan# 684
Delta R.T. -0.00 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

Instrument :
BNA_F
ClientSampleId :
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Tot Ion:	127	Resp:	43488
Ion Ratio	Lower	Upper	
127	100		
129	33.0	25.5	38.3
65	28.2	21.7	32.5
92	18.4	14.6	21.8

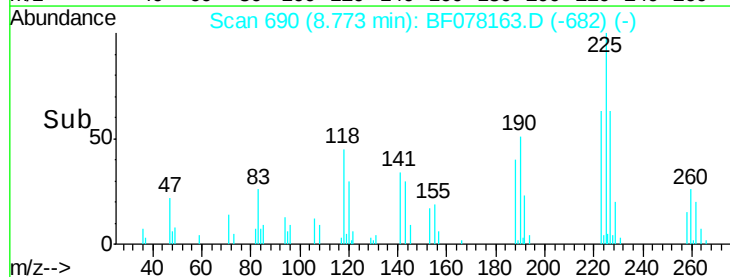
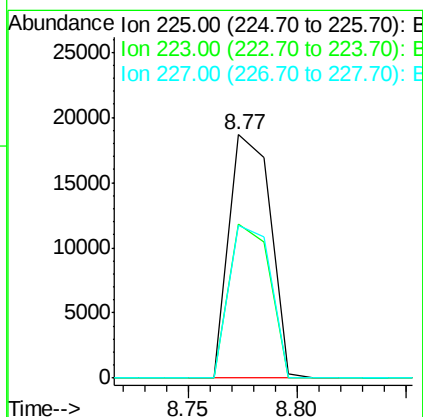
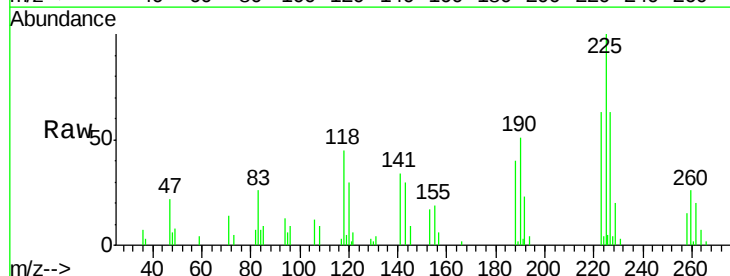
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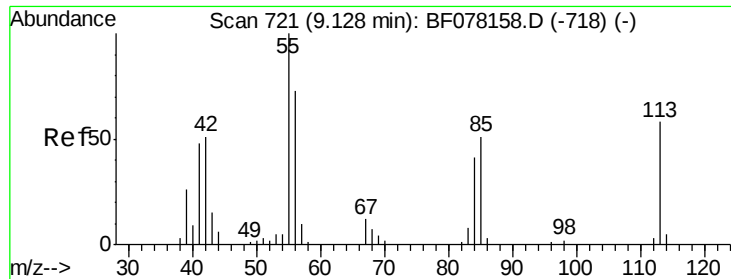
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#34
Hexachlorobutadiene
Concen: 20.05 ng
RT: 8.77 min Scan# 690
Delta R.T. -0.01 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

Tgt Ion:	225	Resp:	24647
Ion Ratio	Lower	Upper	
225	100		
223	63.2	47.5	71.3
227	62.9	50.2	75.2





#35

Caprolactam

Concen: 21.57 ng

RT: 9.12 min Scan# 720

Delta R.T. -0.01 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Instrument :

BNA_F

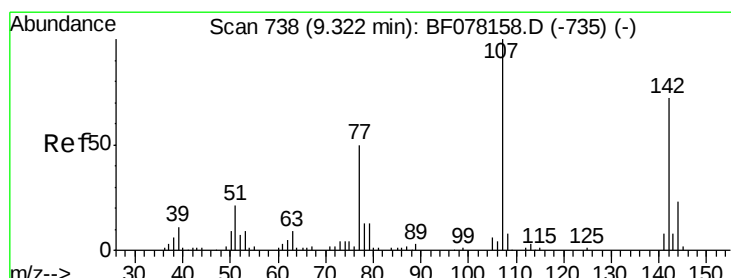
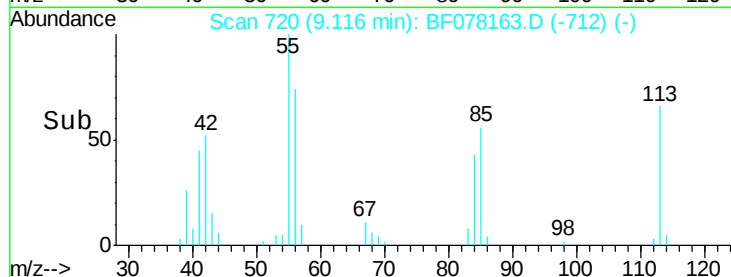
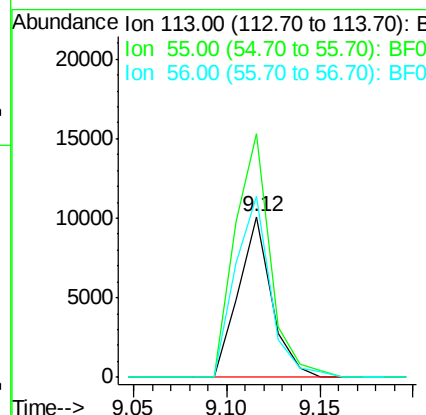
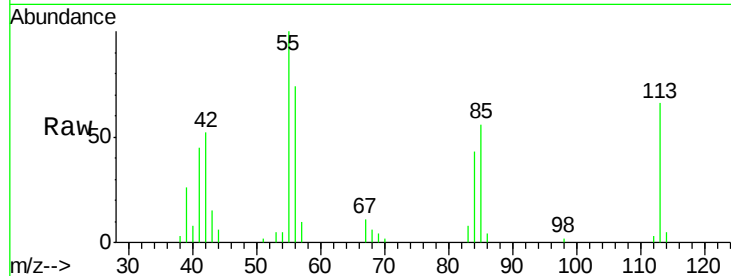
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Tot Ion:113 Resp: 12571
 Ion Ratio Lower Upper
 113 100
 55 151.7 151.9 191.9#
 56 112.5 106.1 146.1

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#36

4-Chloro-3-methylphenol

Concen: 22.28 ng

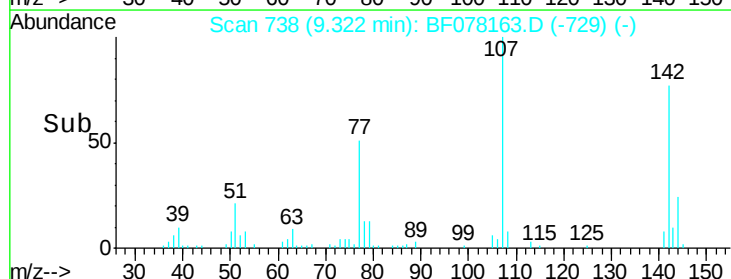
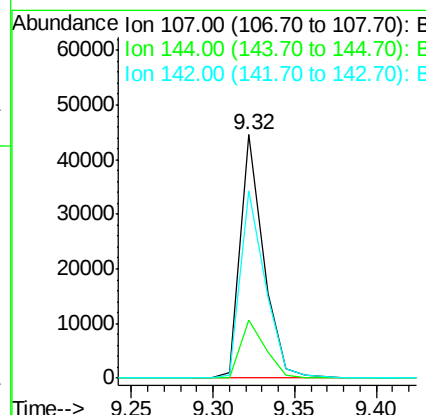
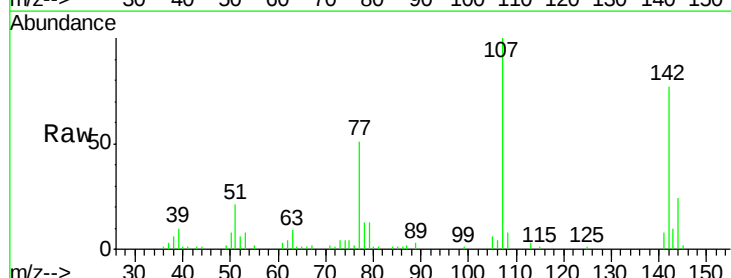
RT: 9.32 min Scan# 738

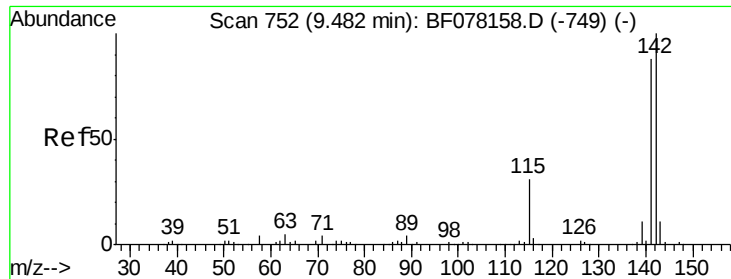
Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Tgt Ion:107 Resp: 43897
 Ion Ratio Lower Upper
 107 100
 144 24.0 18.2 27.2
 142 76.8 58.0 87.0





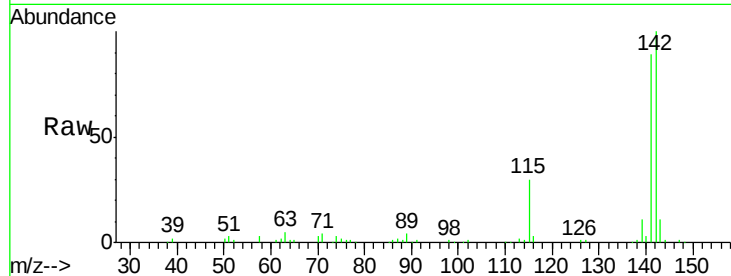
#37
 2-Methylnaphthalene
 Concen: 21.10 ng
 RT: 9.48 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: BF078163.D
 Acq: 1 Apr 2015 20:31

Instrument :
 BNA_F
 ClientSampleId :
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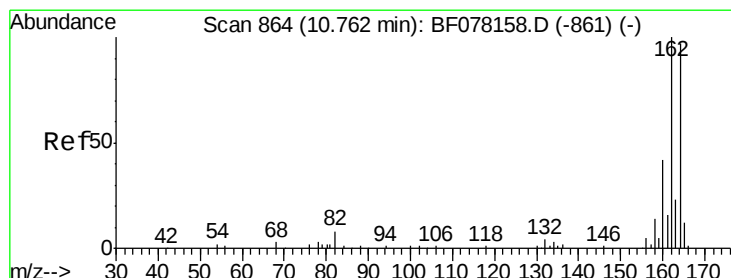
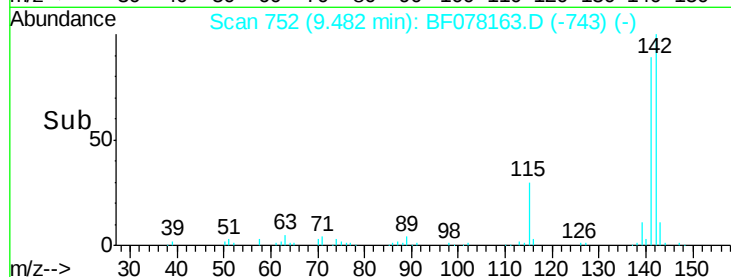
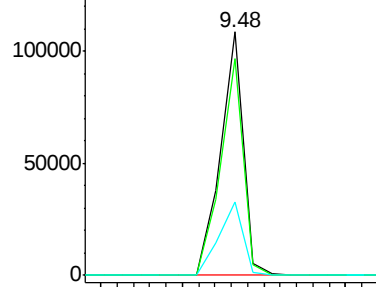
Tot Ion	Ratio	Lower	Upper
142	100		
141	89.1	70.3	105.5
115	29.9	24.6	37.0

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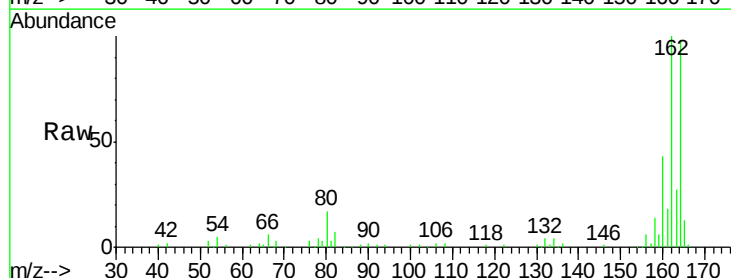


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

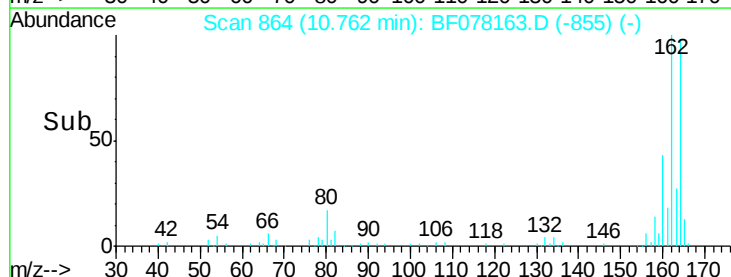
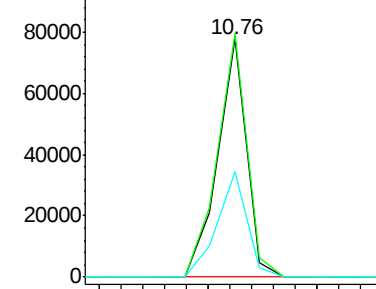


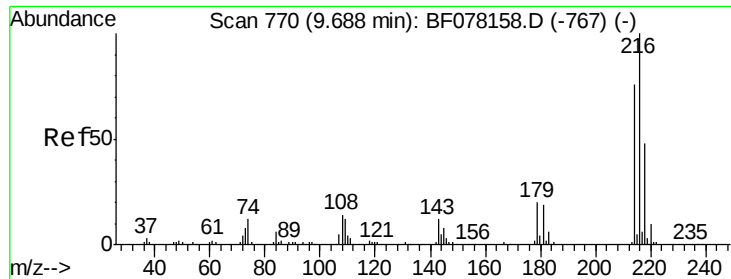
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.76 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: BF078163.D
 Acq: 1 Apr 2015 20:31

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.1	82.2	123.2
160	43.9	34.7	52.1



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





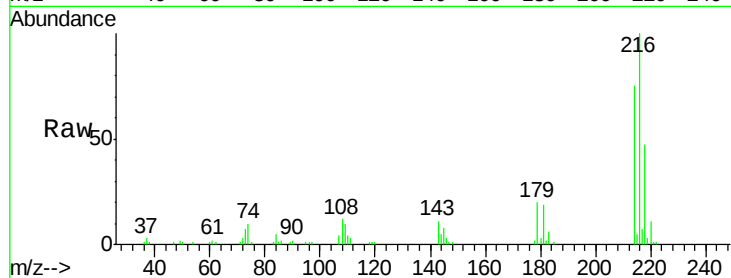
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 20.52 ng
 RT: 9.69 min Scan# 770
 Delta R.T. -0.00 min
 Lab File: BF078163.D
 Acq: 1 Apr 2015 20:31

Instrument :
 BNA_F
 ClientSampleId :
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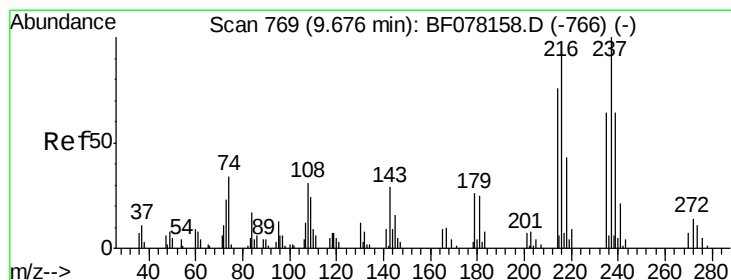
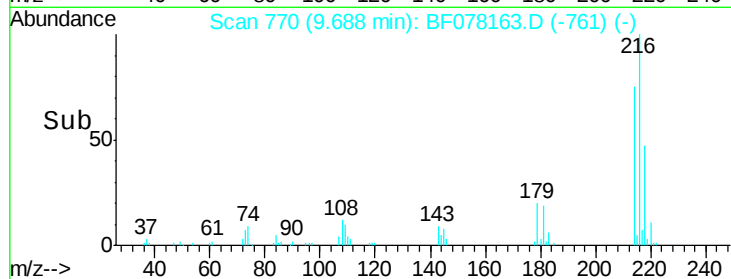
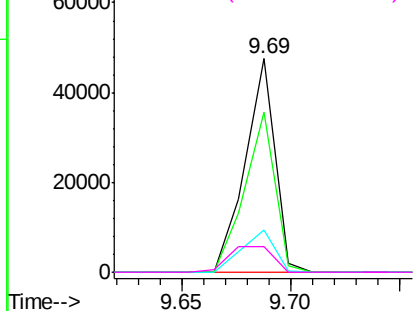
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Tot Ion:	216	Resp:	45159
Ion Ratio		Lower	Upper
216	100		
214	76.6	62.0	93.0
179	21.4	17.3	25.9
108	18.3	14.6	21.8

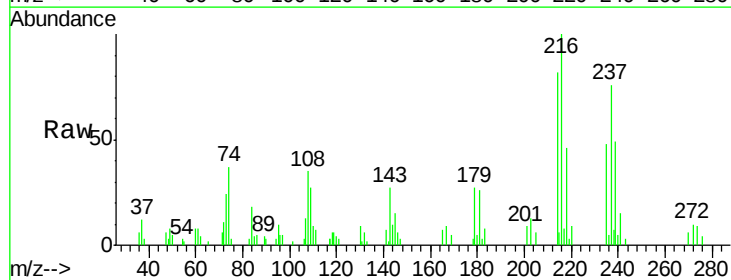


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

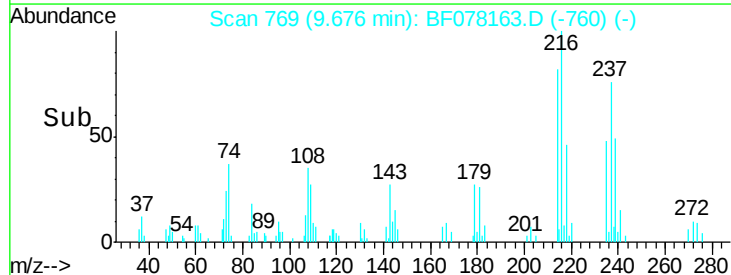
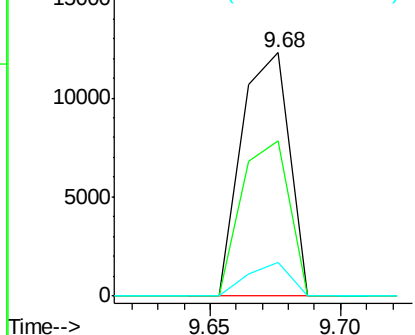


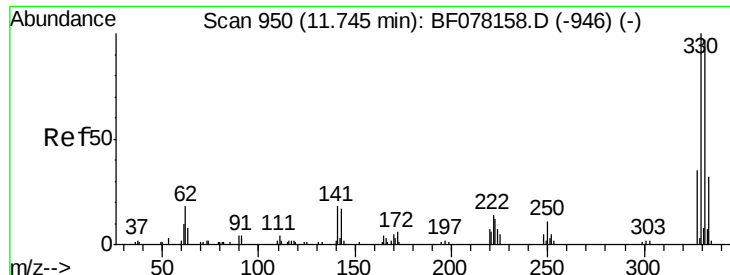
#40
 Hexachlorocyclopentadiene
 Concen: 22.04 ng
 RT: 9.68 min Scan# 769
 Delta R.T. 0.00 min
 Lab File: BF078163.D
 Acq: 1 Apr 2015 20:31

Tgt Ion:	237	Resp:	15769
Ion Ratio		Lower	Upper
237	100		
235	63.6	44.1	84.1
272	13.6	0.0	34.4



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





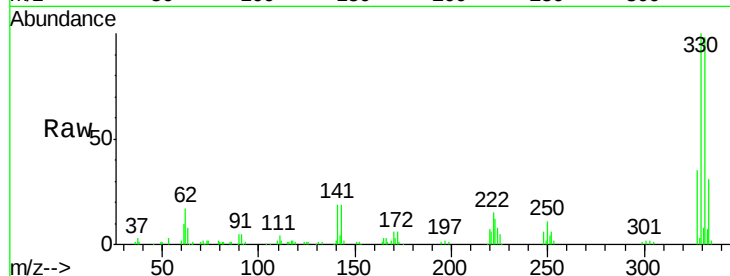
#41
 2,4,6-Tribromophenol
 Concen: 182.10 ng
 RT: 11.74 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: BF078163.D
 Acq: 1 Apr 2015 20:31

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

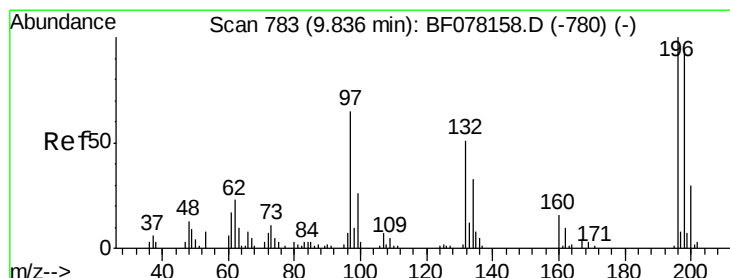
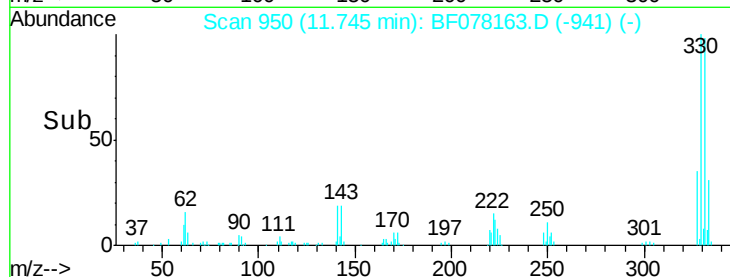
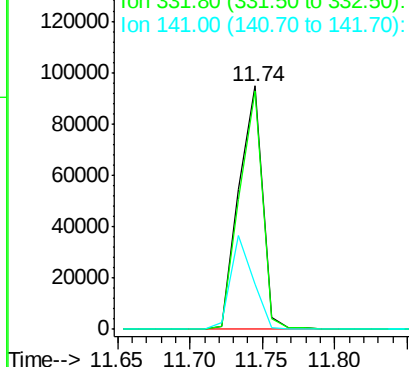
Tot Ion	Ratio	Resp	Lower	Upper
330	100	107256		
332	96.0		78.6	117.8
141	36.8		31.2	46.8

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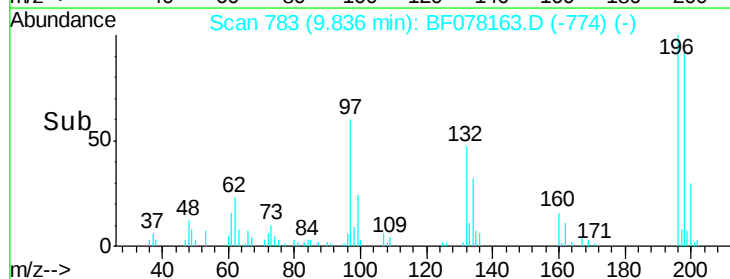
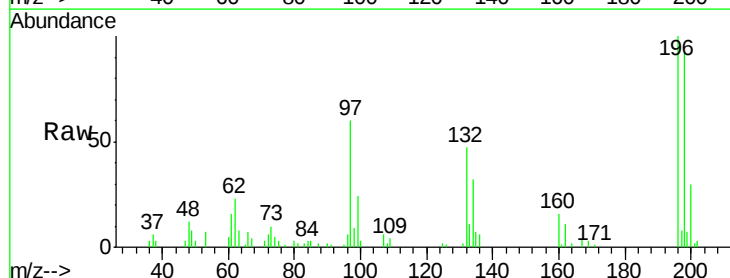
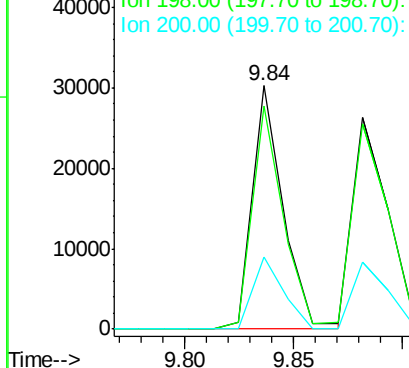
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

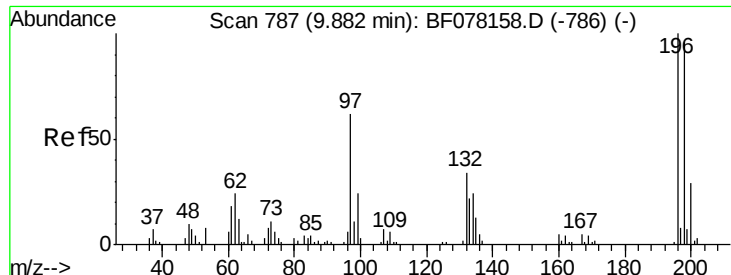


#42
 2,4,6-Trichlorophenol
 Concen: 21.57 ng
 RT: 9.84 min Scan# 783
 Delta R.T. -0.00 min
 Lab File: BF078163.D
 Acq: 1 Apr 2015 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	29939		
198	91.7		75.4	113.2
200	29.7		24.0	36.0

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





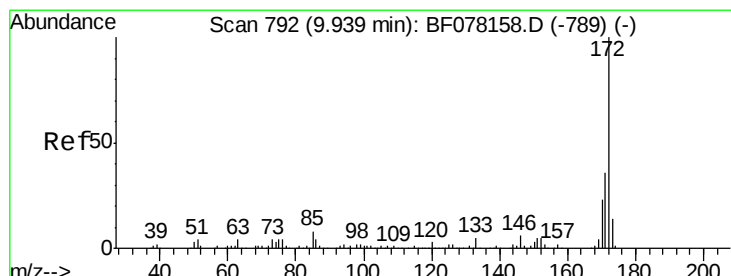
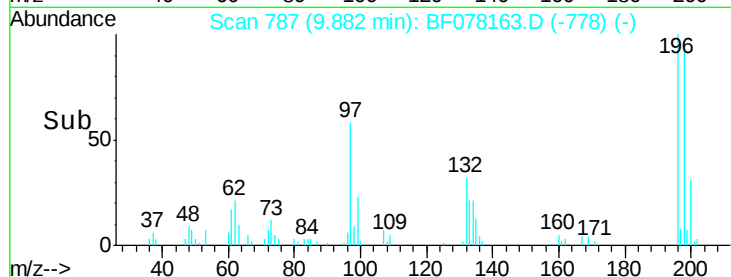
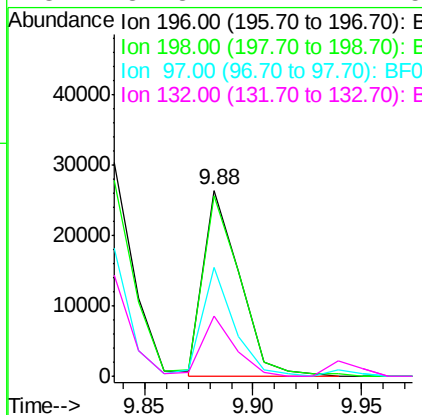
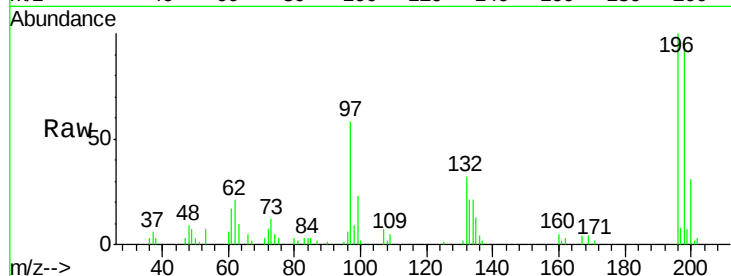
#43
 2,4,5-Trichlorophenol
 Concen: 20.99 ng
 RT: 9.88 min Scan# 787
 Delta R.T. -0.00 min
 Lab File: BF078163.D
 Acq: 1 Apr 2015 20:31

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
196	100		30430		
198	97.1	76.6	115.0		
97	58.3	50.6	75.8		
132	32.3	27.7	41.5		

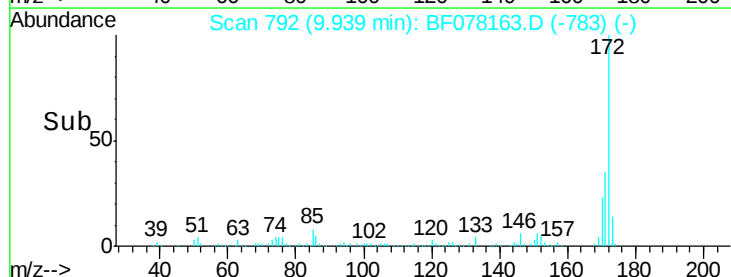
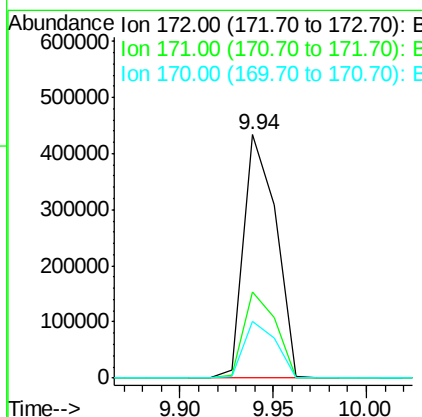
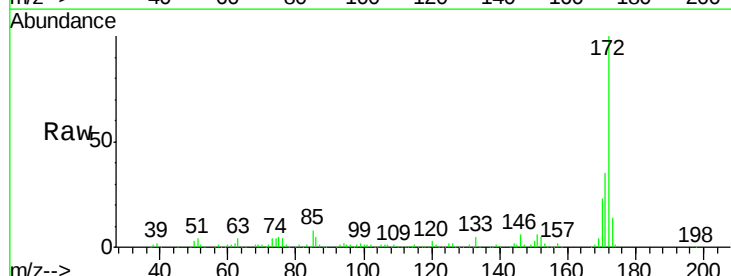
Manual Integrations
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apatel
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#44
 2-Fluorobiphenyl
 Concen: 104.92 ng
 RT: 9.94 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: BF078163.D
 Acq: 1 Apr 2015 20:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
172	100		521275		
171	35.5	28.6	42.8		
170	23.3	18.5	27.7		





#45

1,1'-Biphenyl

Concen: 21.17 ng

RT: 10.06 min Scan# 803

Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Instrument :

BNA_F

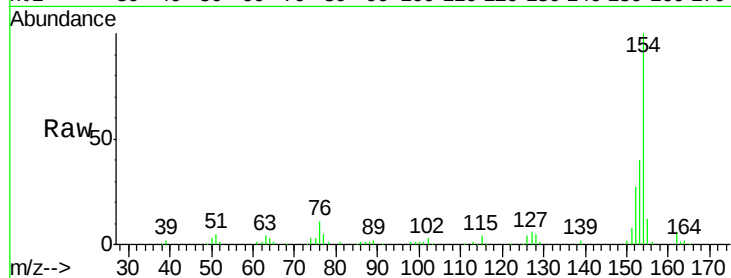
ClientSampleId :

LOQ-SOIL2015-02

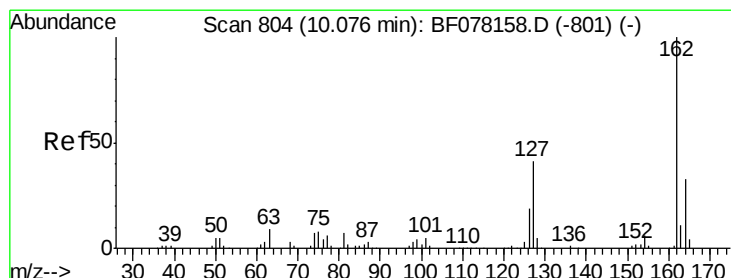
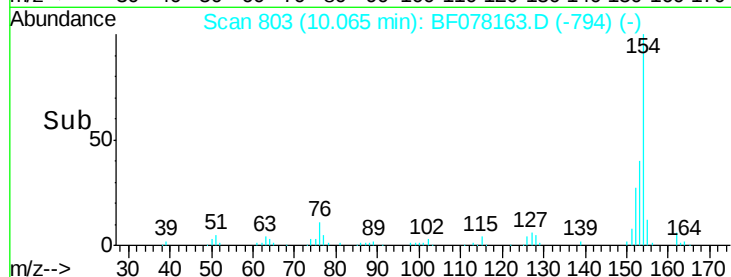
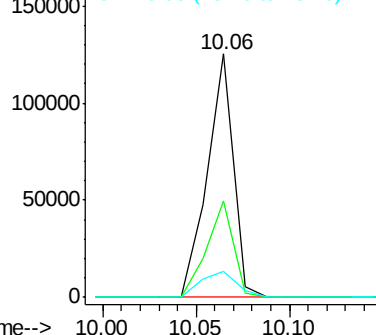
Tot Ion:	154	Resp:	122972
Ion Ratio	Lower	Upper	
154	100		
153	39.7	20.0	60.0
76	10.8	0.0	30.6

Manual Integrations
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 21.72 ng

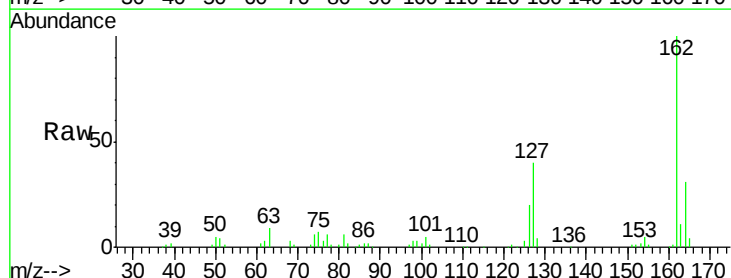
RT: 10.08 min Scan# 804

Delta R.T. -0.00 min

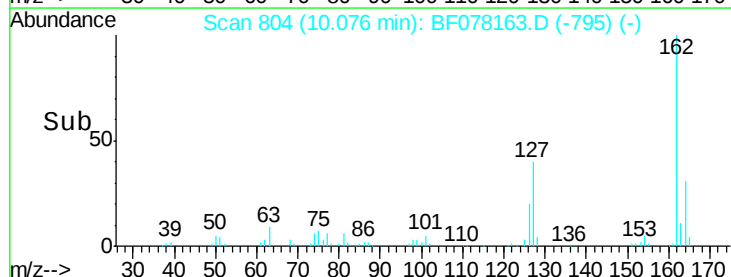
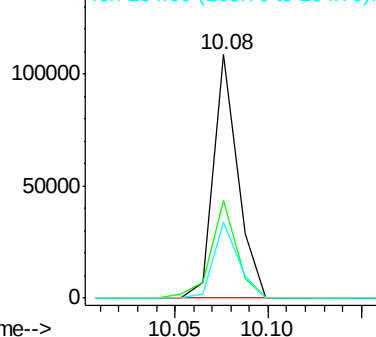
Lab File: BF078163.D

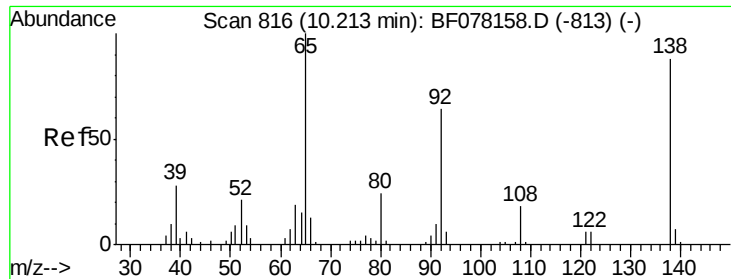
Acq: 1 Apr 2015 20:31

Tgt Ion:	162	Resp:	99261
Ion Ratio	Lower	Upper	
162	100		
127	40.3	32.6	49.0
164	31.4	26.0	39.0



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





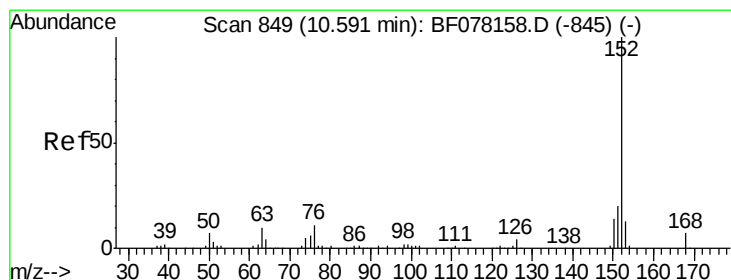
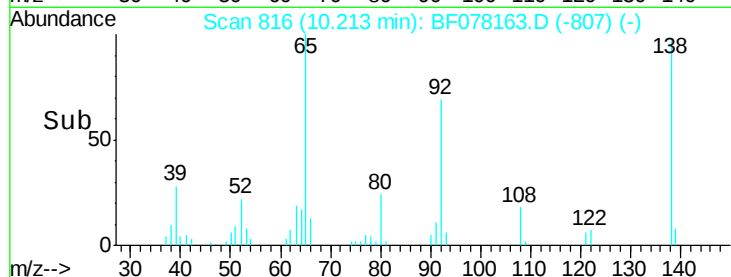
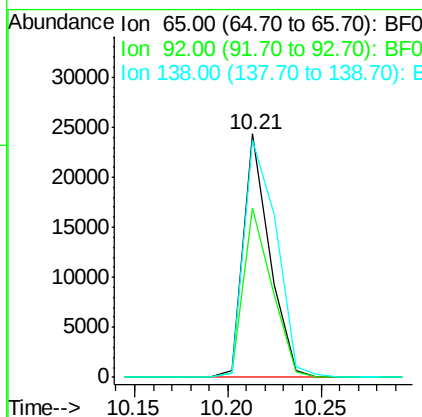
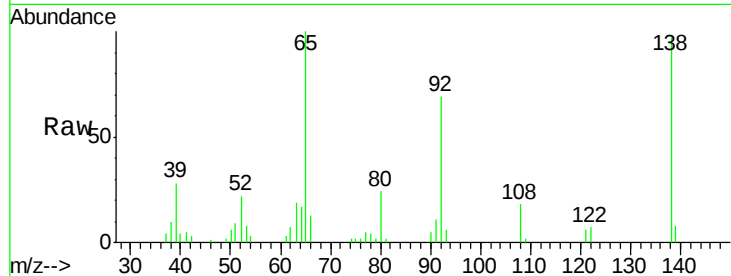
#47
2-Nitroaniline
Concen: 21.14 ng
RT: 10.21 min Scan# 816
Delta R.T. -0.00 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tot Ion	Ratio	Lower	Upper
65	100		
92	69.4	51.3	76.9
138	97.2	70.4	105.6

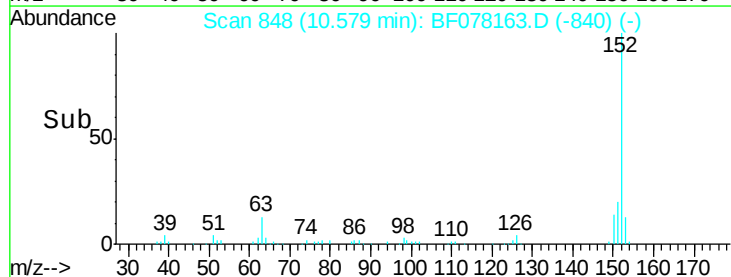
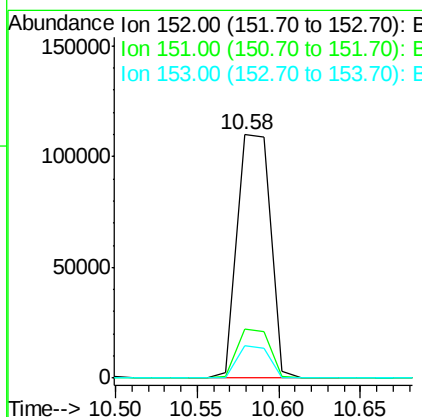
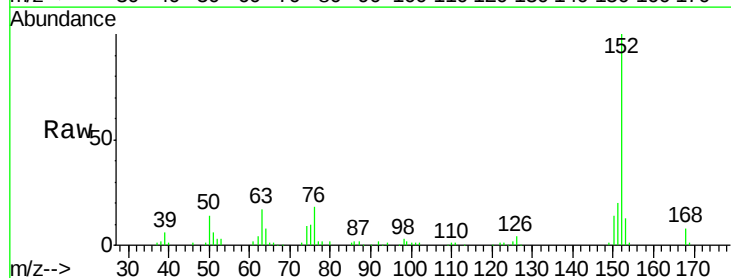
Manual Integrations
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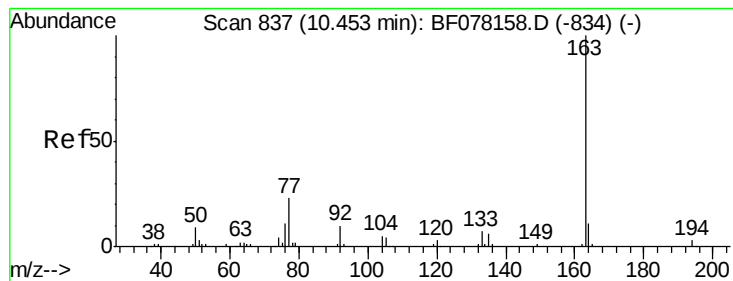
apatel
4/2/2015 5:50:57 PM



#48
Acenaphthylene
Concen: 20.87 ng
RT: 10.58 min Scan# 848
Delta R.T. -0.01 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.7	23.5
153	13.2	10.2	15.2





#49

Dimethylphthalate

Concen: 21.85 ng

RT: 10.45 min Scan# 837

Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Instrument :

BNA_F

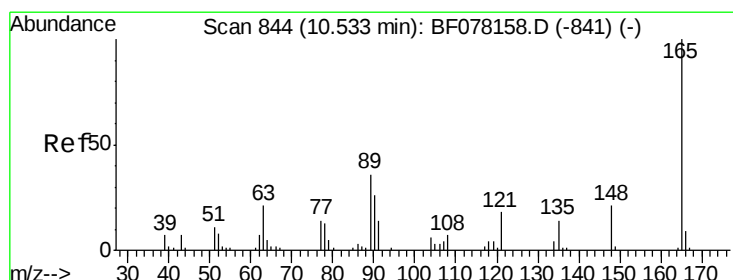
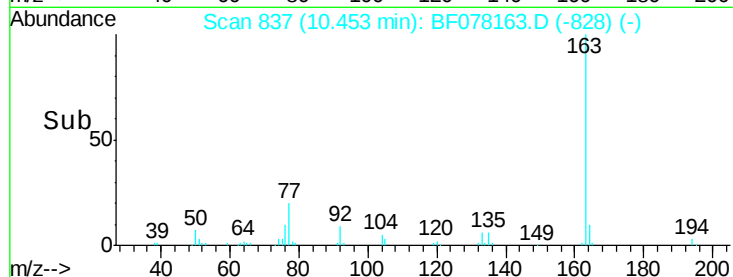
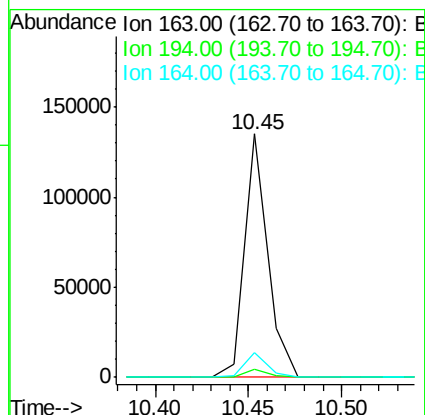
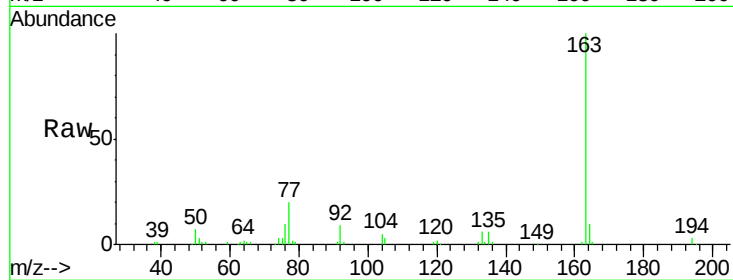
ClientSampleId :

LOQ-SOIL2015-02

Tot Ion:	163	Resp:	116556
Ion Ratio	Lower	Upper	
163	100		
194	3.2	2.3	3.5
164	10.4	8.6	13.0

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#50

2,6-Dinitrotoluene

Concen: 21.73 ng

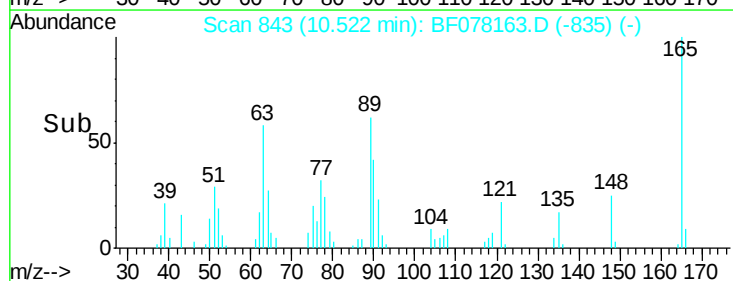
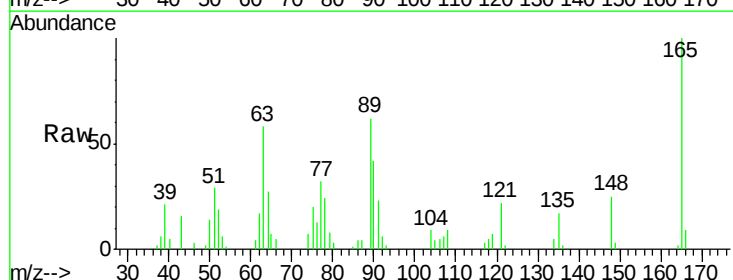
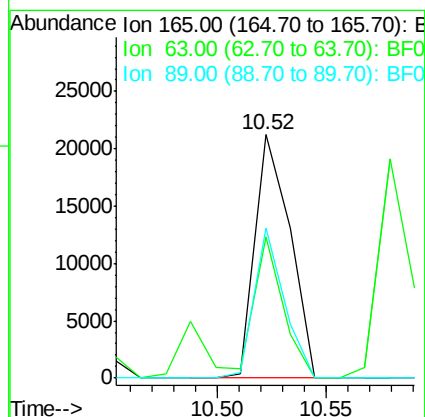
RT: 10.52 min Scan# 843

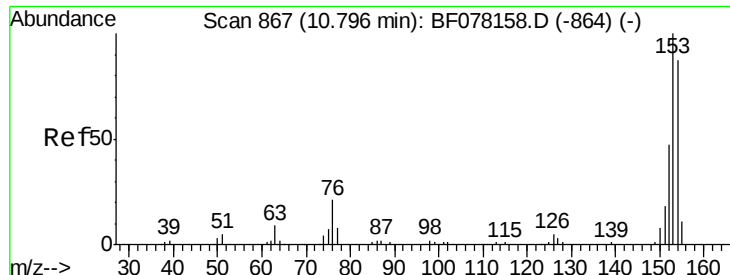
Delta R.T. -0.01 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Tgt Ion:	165	Resp:	23857
Ion Ratio	Lower	Upper	
165	100		
63	57.8	24.1	36.1#
89	61.6	28.9	43.3#





#51

Acenaphthene

Concen: 21.20 ng

RT: 10.80 min Scan# 867

Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Instrument :

BNA_F

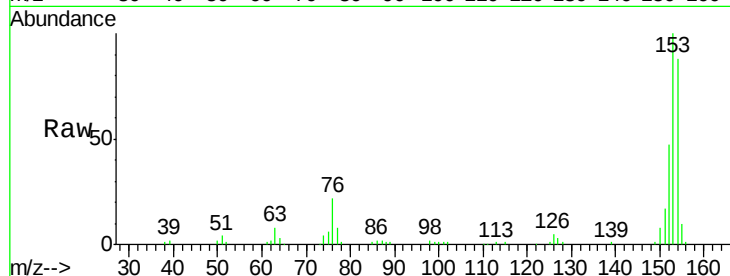
ClientSampleId :

LOQ-SOIL2015-02

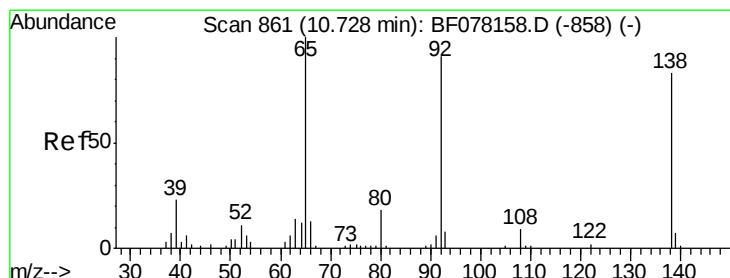
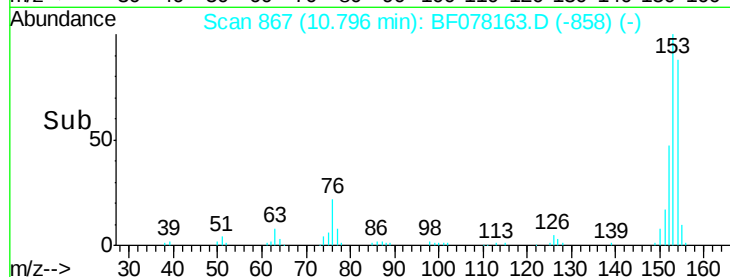
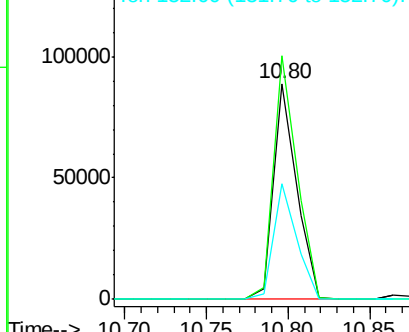
Tot Ion:	154	Resp:	88111
Ion Ratio	Lower	Upper	
154	100		
153	113.0	91.4	137.2
152	53.4	43.0	64.6

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



#52

3-Nitroaniline

Concen: 19.50 ng

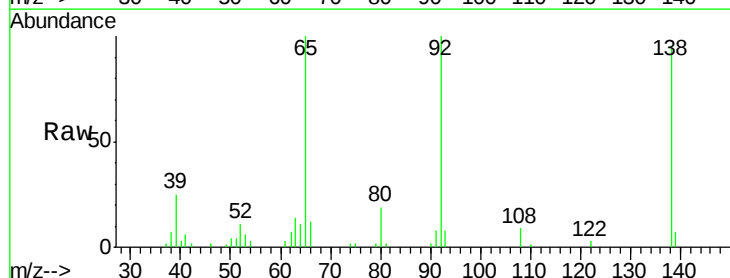
RT: 10.73 min Scan# 861

Delta R.T. -0.00 min

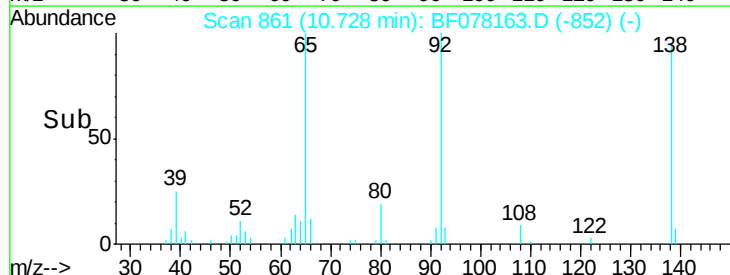
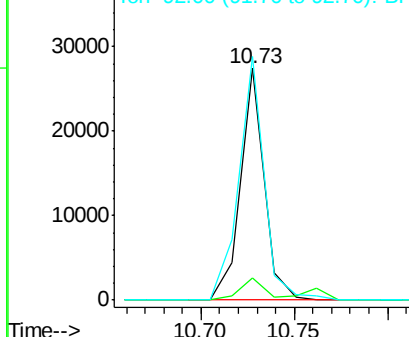
Lab File: BF078163.D

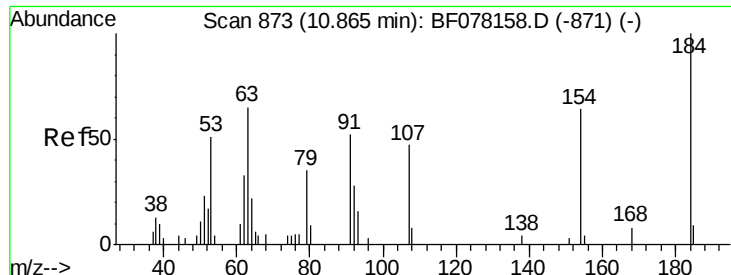
Acq: 1 Apr 2015 20:31

Tgt Ion:	138	Resp:	24344
Ion Ratio	Lower	Upper	
138	100		
108	9.8	8.2	12.4
92	105.1	88.4	132.6



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





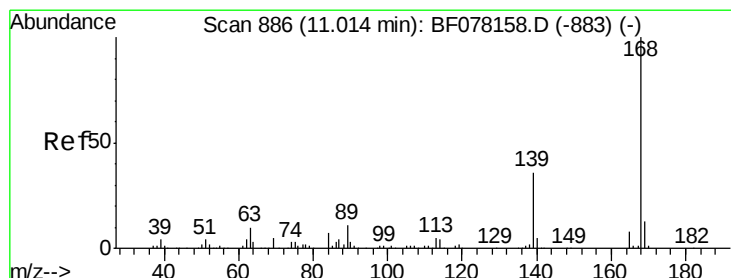
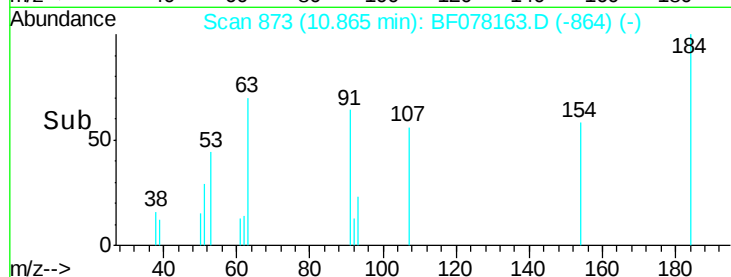
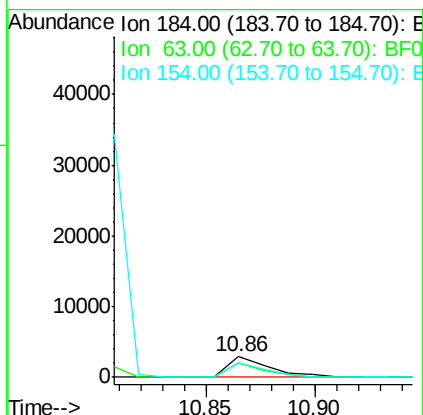
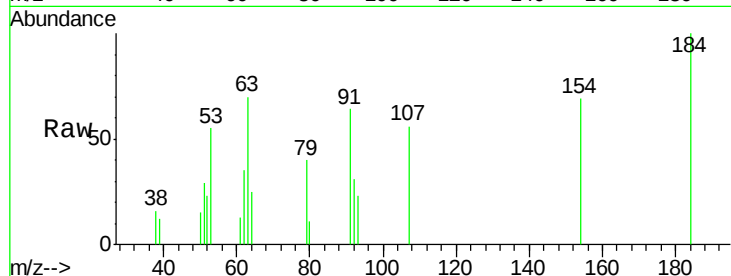
#53
2,4-Dinitrophenol
Concen: 19.55 ng
RT: 10.86 min Scan# 873
Delta R.T. 0.00 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tot Ion	Ratio	Lower	Upper
184	100		
63	70.2	51.9	77.9
154	69.3	51.0	76.4

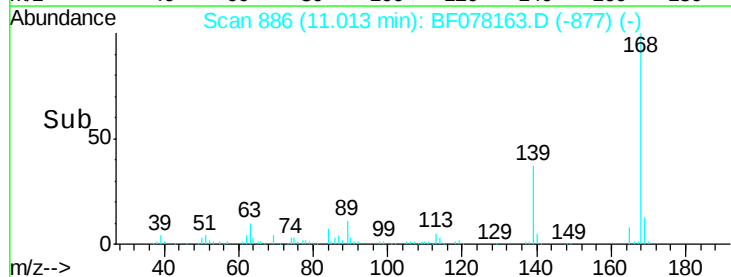
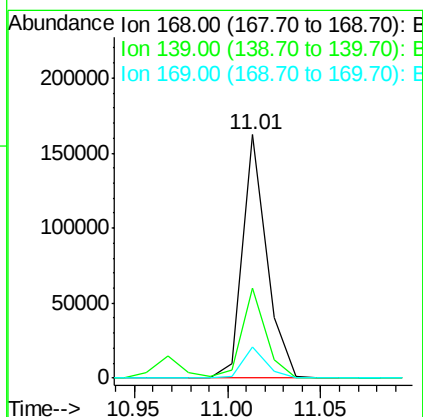
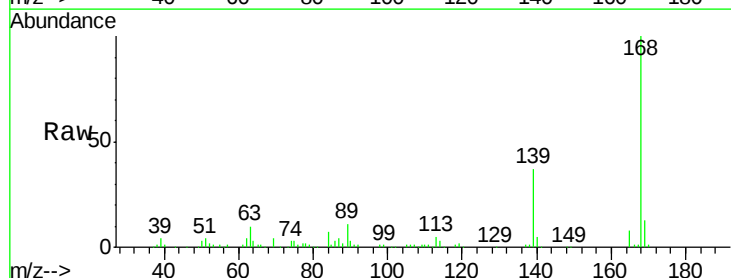
Manual Integrations
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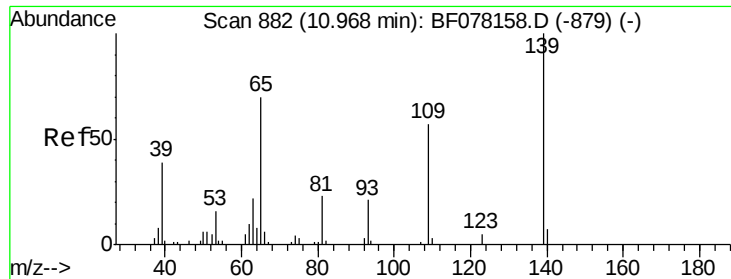
apatel
4/2/2015 5:50:57 PM



#54
Dibenzofuran
Concen: 23.00 ng
RT: 11.01 min Scan# 886
Delta R.T. -0.00 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

Tgt Ion	Ratio	Lower	Upper
168	100		
139	37.2	31.0	46.4
169	12.6	10.7	16.1





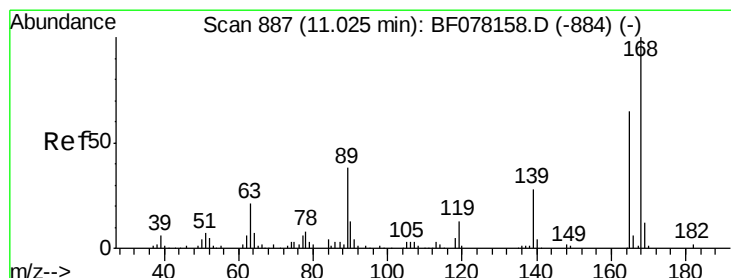
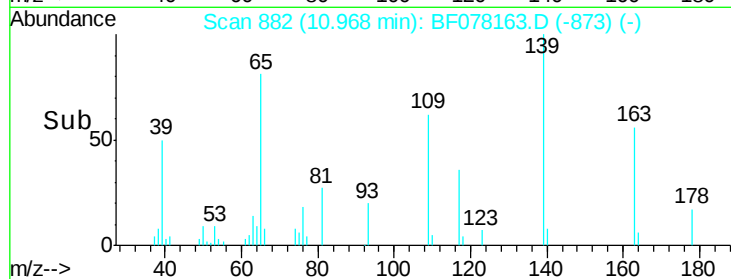
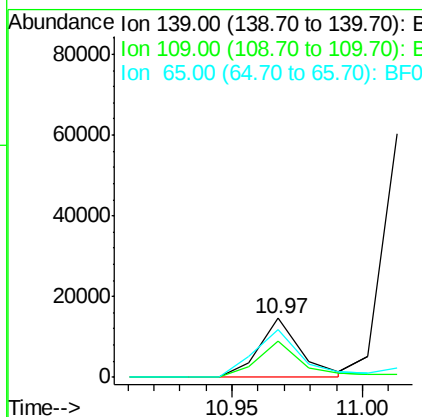
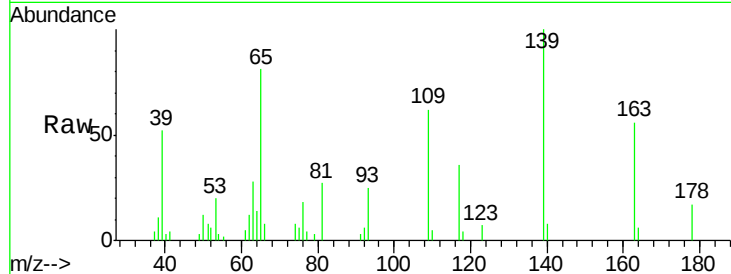
#55
4-Nitrophenol
Concen: 19.68 ng
RT: 10.97 min Scan# 882
Delta R.T. 0.00 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tot Ion	Ratio	Resp	Lower	Upper
139	100	16106		
109	61.7	36.7	76.7	
65	80.8	49.9	89.9	

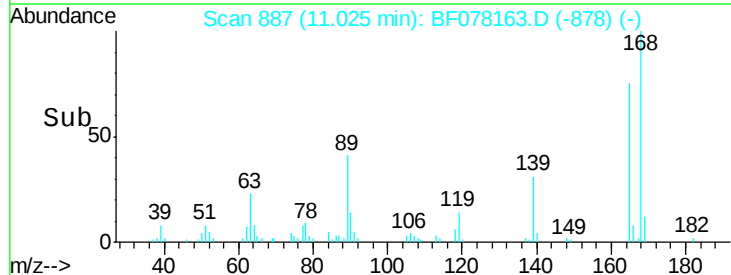
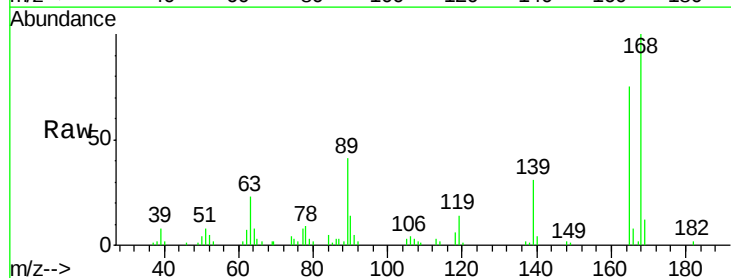
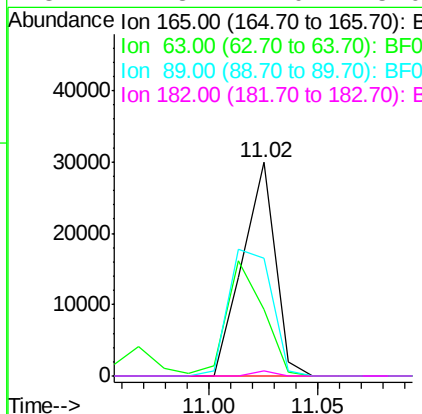
Manual Integrations
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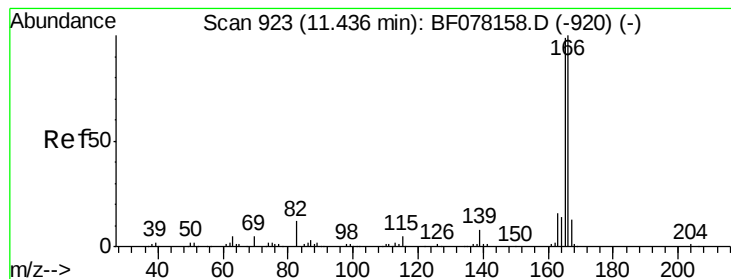
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#56
2,4-Dinitrotoluene
Concen: 22.00 ng
RT: 11.02 min Scan# 887
Delta R.T. -0.00 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	31275		
63	31.3	26.5	39.7	
89	55.4	46.4	69.6	
182	2.3	2.0	3.0	





#57

Fluorene

Concen: 22.08 ng

RT: 11.44 min Scan# 923

Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Instrument :

BNA_F

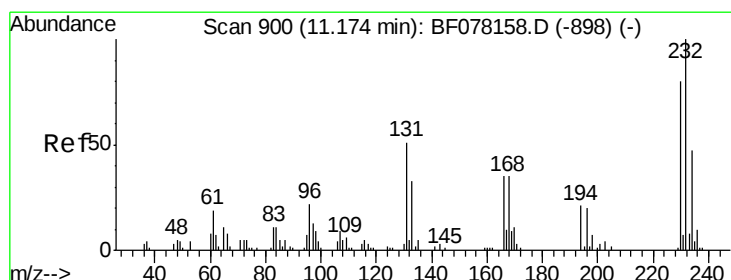
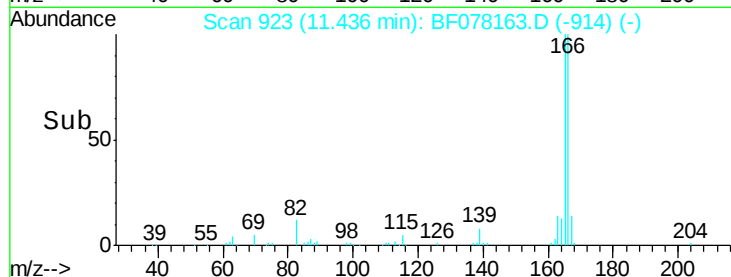
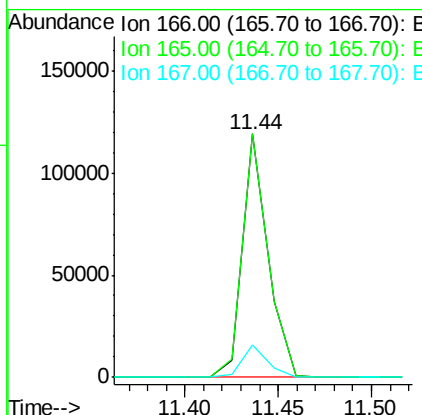
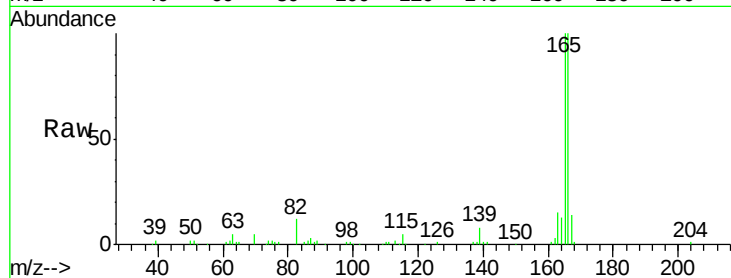
ClientSampleId :

LOQ-SOIL2015-02

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Tot Ion:	166	Resp:	113575
Ion Ratio	Lower	Upper	
166	100		
165	100.0	78.9	118.3
167	13.6	10.7	16.1



#58

2,3,4,6-Tetrachlorophenol

Concen: 22.74 ng

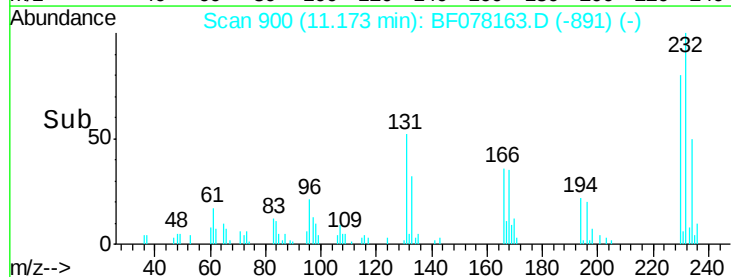
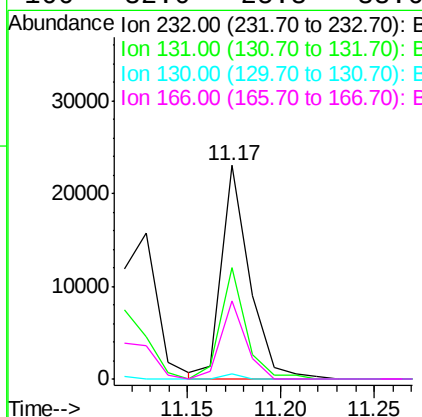
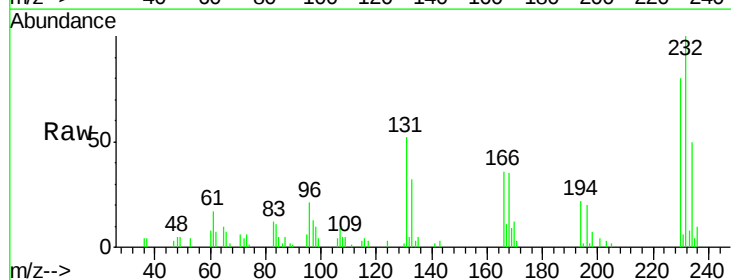
RT: 11.17 min Scan# 900

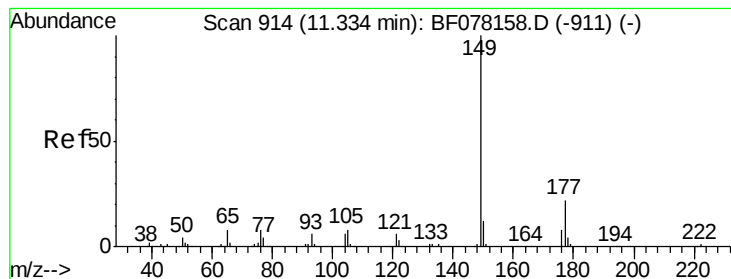
Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Tgt Ion:	232	Resp:	24440
Ion Ratio	Lower	Upper	
232	100		
131	47.0	37.8	56.8
130	1.6	1.5	2.3
166	32.0	25.8	38.6





#59

Diethylphthalate

Concen: 21.43 ng

RT: 11.33 min Scan# 914

Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Instrument :

BNA_F

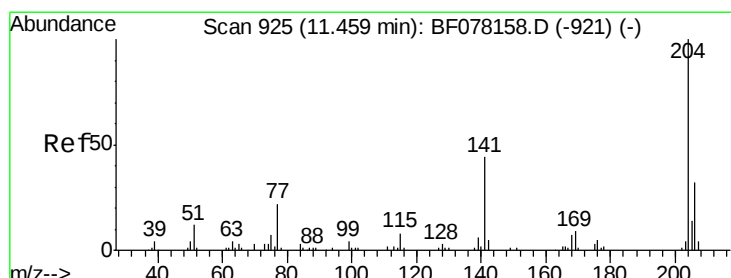
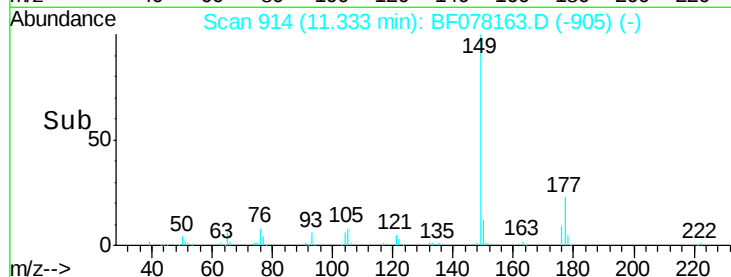
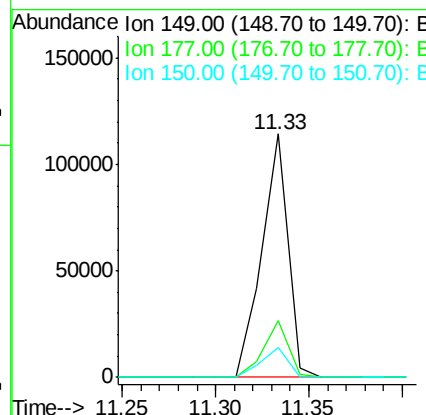
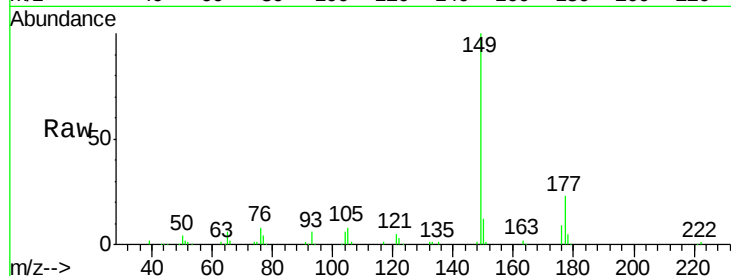
ClientSampleId :

LOQ-SOIL2015-02

Tot Ion:	149	Resp:	110229
Ion Ratio	Lower	Upper	
149	100		
177	23.0	17.4	26.2
150	12.1	9.4	14.2

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#60

4-Chlorophenyl-phenylether

Concen: 21.98 ng

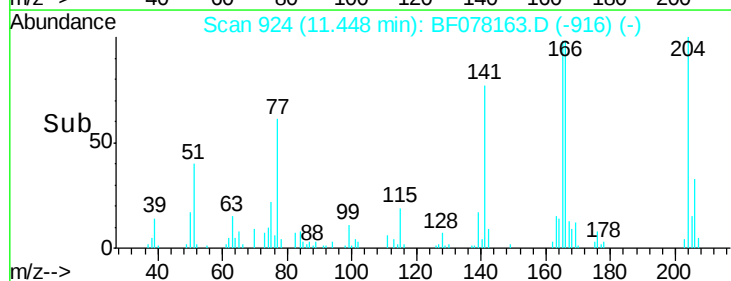
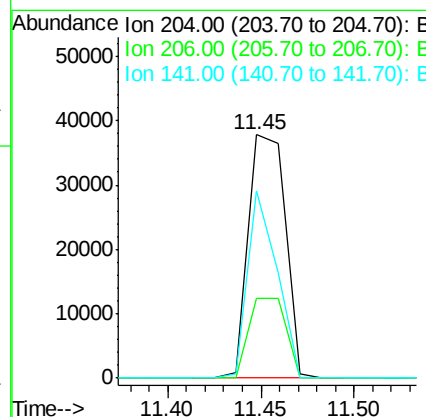
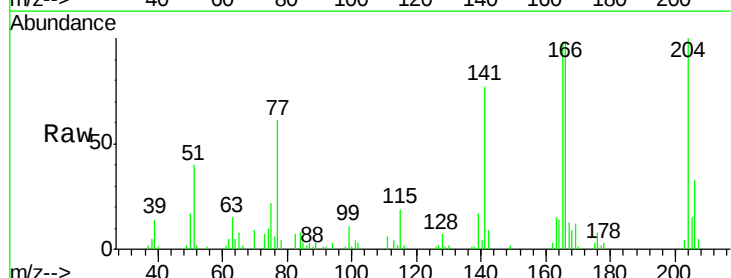
RT: 11.45 min Scan# 924

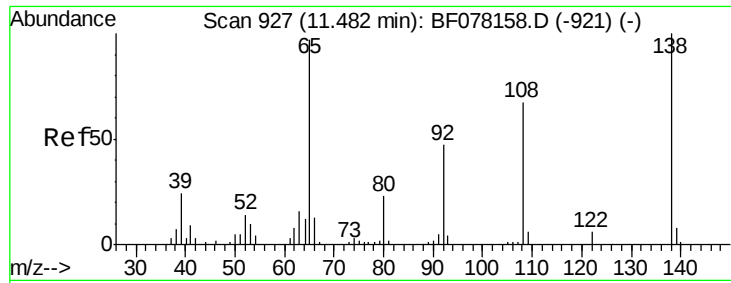
Delta R.T. -0.01 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Tgt Ion:	204	Resp:	52013
Ion Ratio	Lower	Upper	
204	100		
206	32.6	25.6	38.4
141	77.0	35.4	53.0#





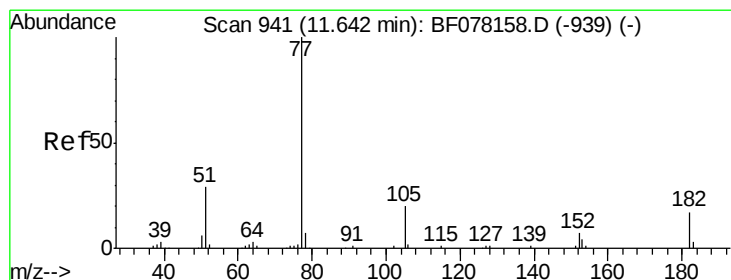
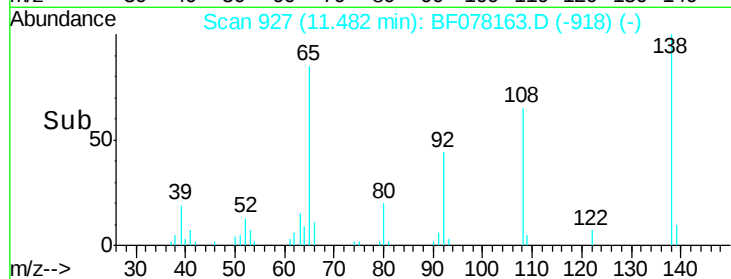
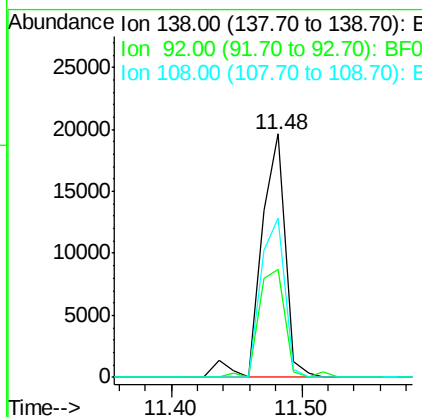
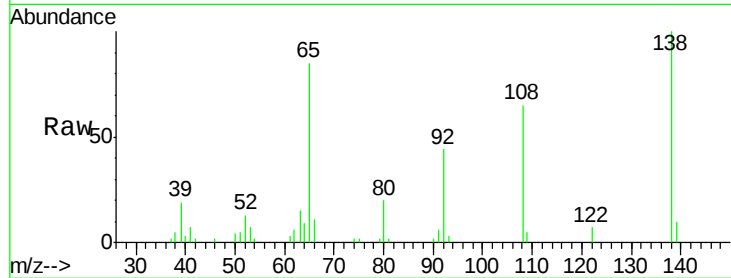
#61
4-Nitroaniline
Concen: 19.85 ng
RT: 11.48 min Scan# 927
Delta R.T. -0.00 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tot Ion	Ratio	Lower	Upper
138	100		
92	44.3	27.3	67.3
108	65.4	47.2	87.2

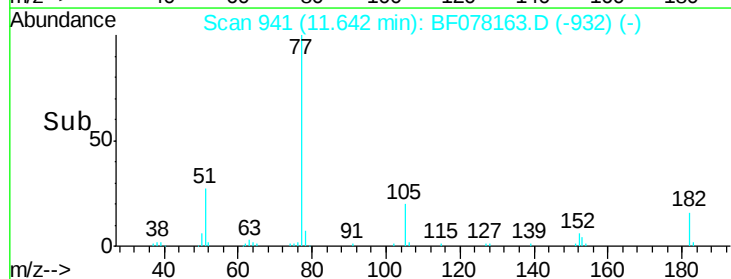
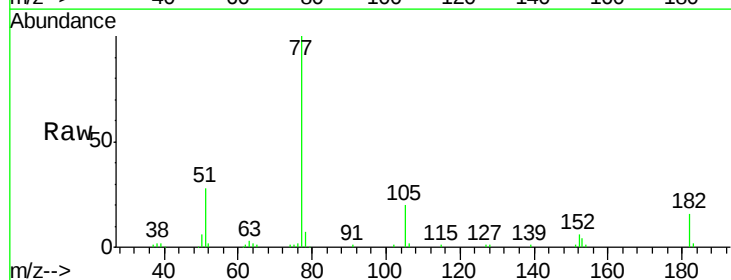
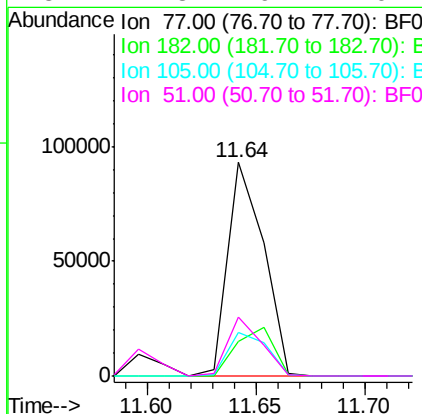
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#62
Azobenzene
Concen: 22.67 ng
RT: 11.64 min Scan# 941
Delta R.T. -0.00 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

Tgt Ion	Ratio	Lower	Upper
77	100		
182	16.3	0.0	36.8
105	20.5	0.3	40.3
51	27.8	9.1	49.1





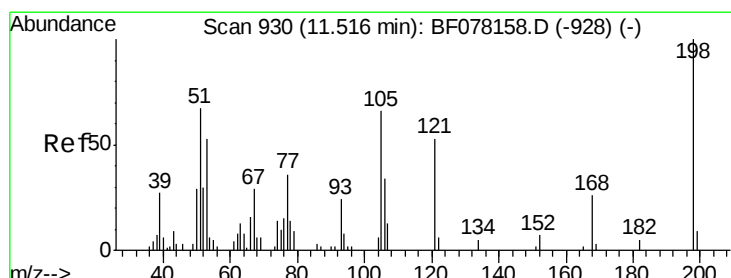
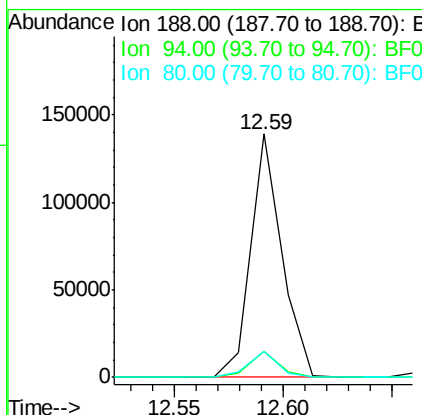
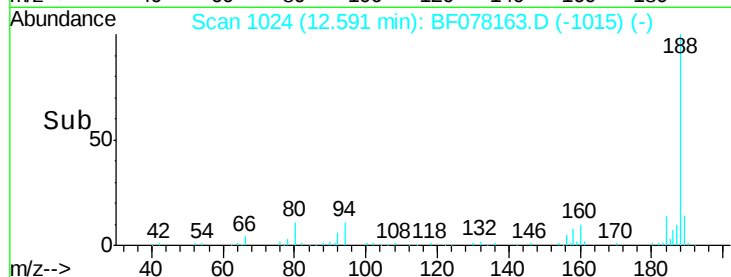
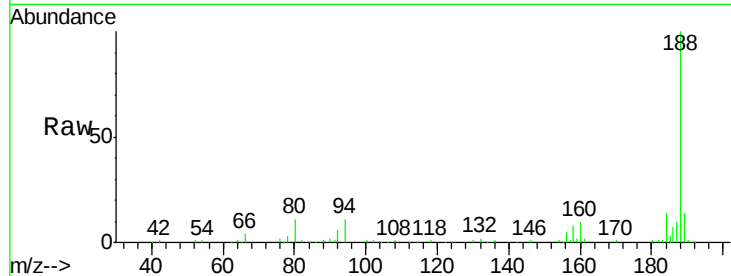
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.59 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.7	9.0	13.4
80	10.7	9.5	14.3

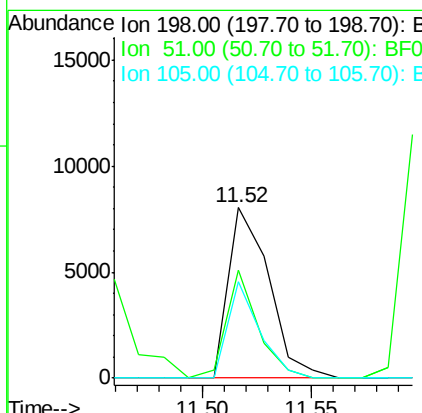
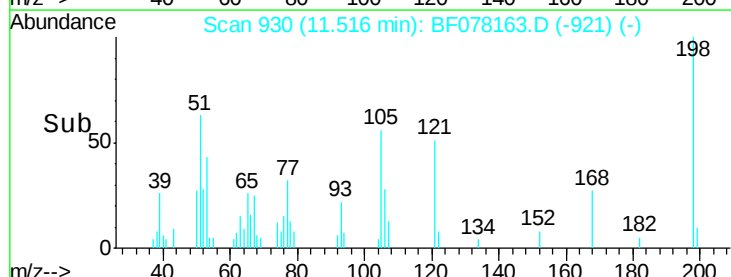
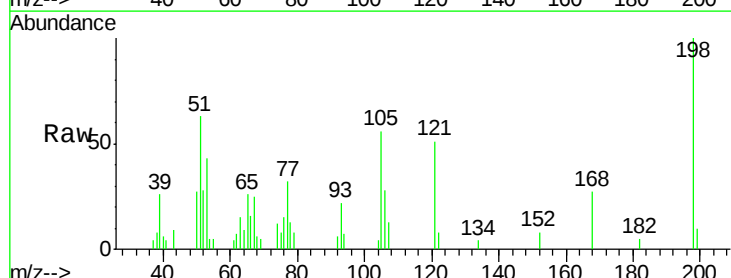
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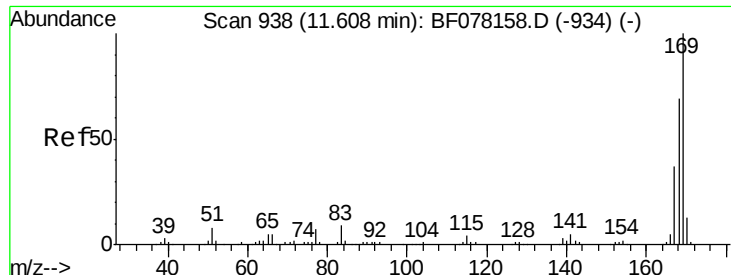
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#64
4,6-Dinitro-2-methylphenol
Concen: 21.07 ng
RT: 11.52 min Scan# 930
Delta R.T. 0.00 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

Tgt Ion	Ratio	Resp Lower	Upper
198	100		
51	63.4	48.6	88.6
105	56.5	45.8	85.8





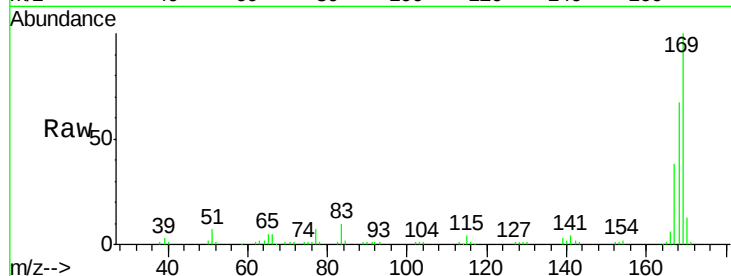
#65
n-Nitrosodiphenylamine
Concen: 20.15 ng
RT: 11.61 min Scan# 938
Delta R.T. -0.00 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

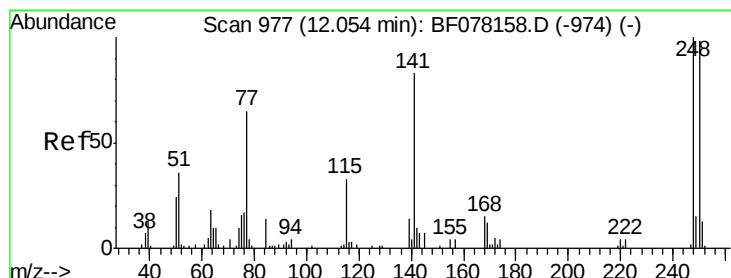
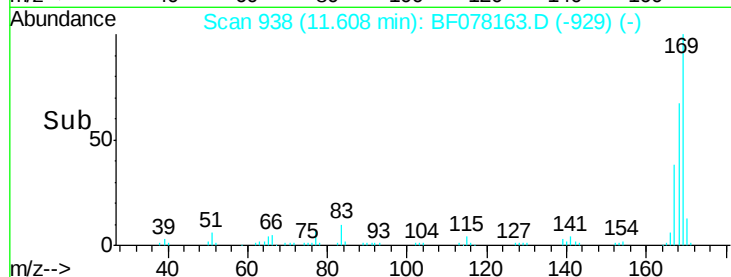
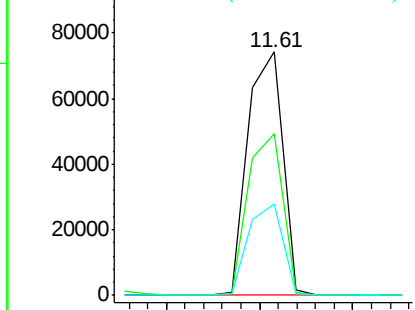
Tot Ion	Ratio	Resp	Lower	Upper
169	100			
168	66.6	55.0	82.4	
167	37.7	29.3	43.9	

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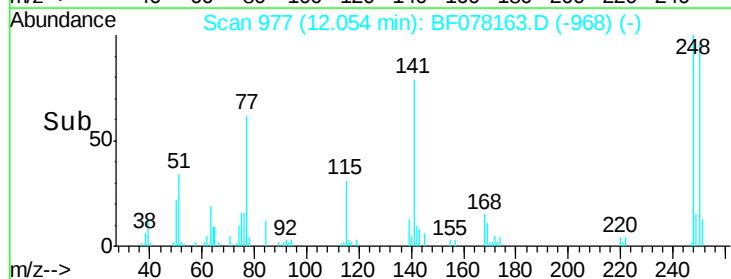
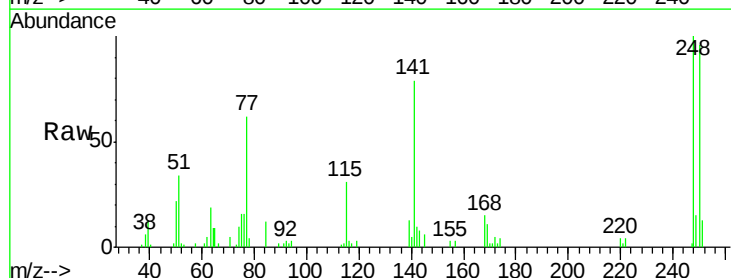
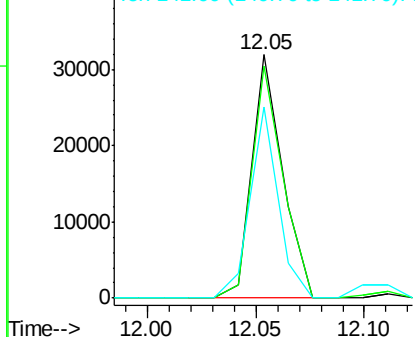
Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E



#66
4-Bromophenyl-phenylether
Concen: 21.53 ng
RT: 12.05 min Scan# 977
Delta R.T. -0.00 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
248	100			
250	95.6	78.2	117.2	
141	78.6	66.4	99.6	

Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 20.92 ng

RT: 12.11 min Scan# 982

Delta R.T. -0.00 min

Lab File: BF078163.D

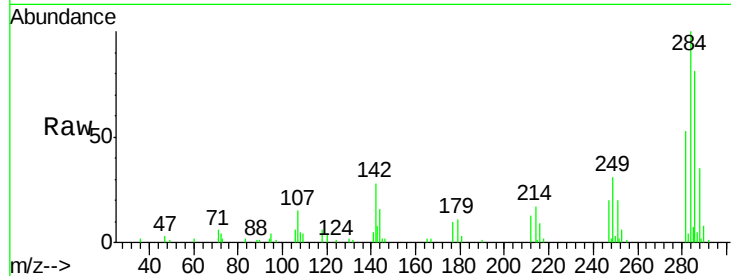
Acq: 1 Apr 2015 20:31

Instrument :

BNA_F

ClientSampleId :

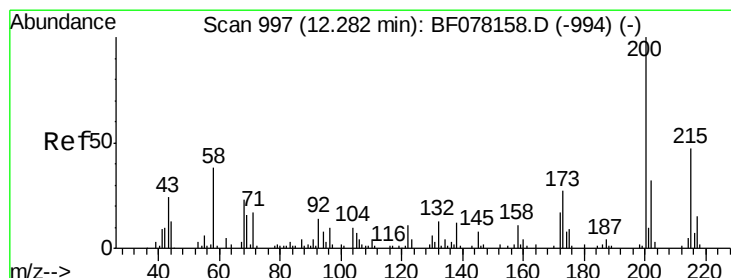
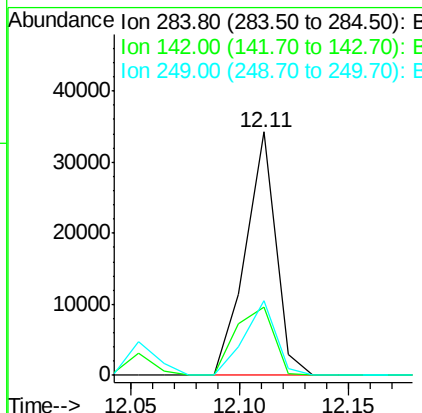
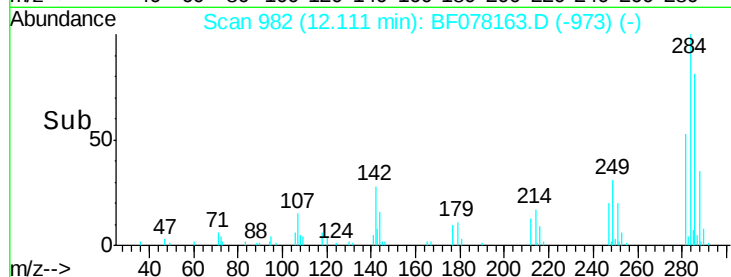
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Tot Ion:	284	Resp:	33419
Ion Ratio	Lower	Upper	
284	100		
142	27.8	24.5	36.7
249	30.5	24.8	37.2

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#68

Atrazine

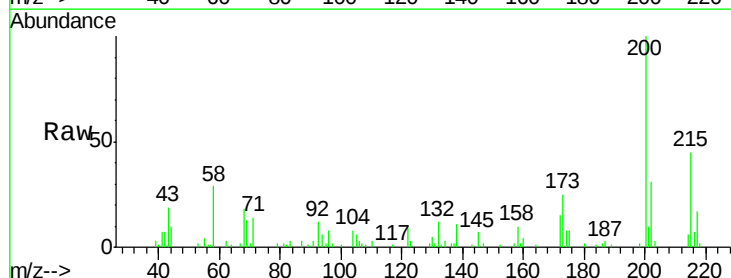
Concen: 21.45 ng

RT: 12.28 min Scan# 997

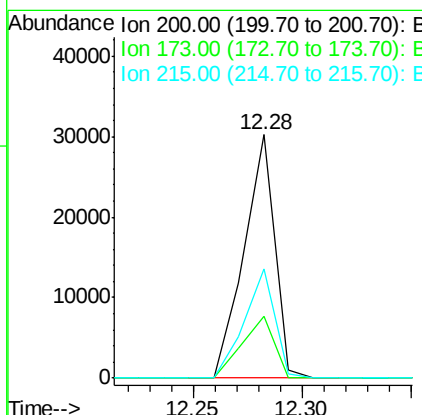
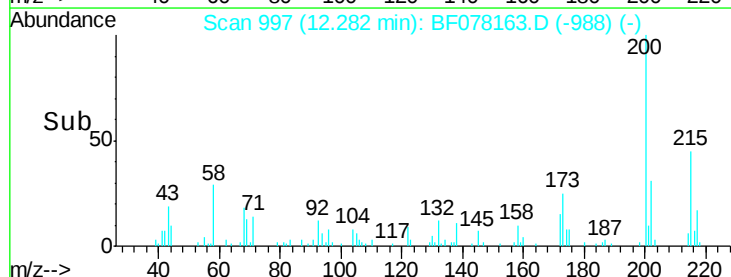
Delta R.T. -0.00 min

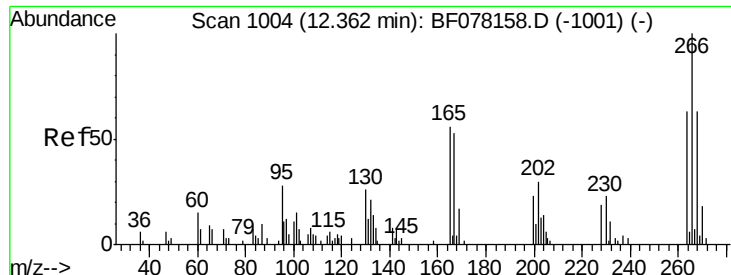
Lab File: BF078163.D

Acq: 1 Apr 2015 20:31



Tgt Ion:	200	Resp:	29576
Ion Ratio	Lower	Upper	
200	100		
173	25.2	6.9	46.9
215	44.9	27.1	67.1





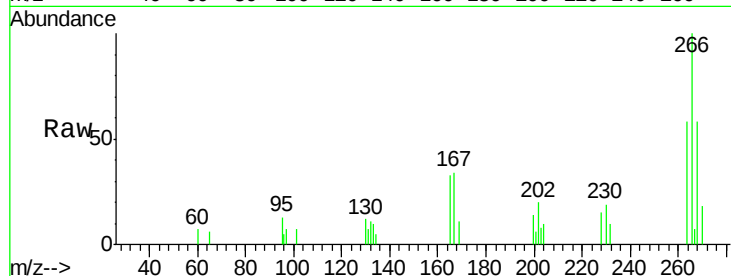
#69
 Pentachlorophenol
 Concen: 19.83 ng
 RT: 12.37 min Scan# 1005
 Delta R.T. 0.01 min
 Lab File: BF078163.D
 Acq: 1 Apr 2015 20:31

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

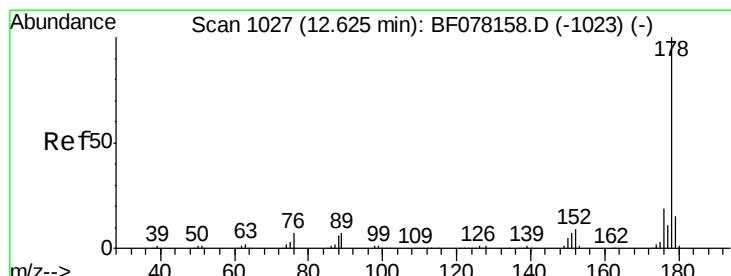
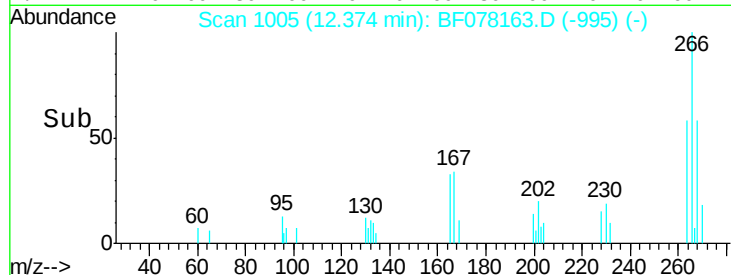
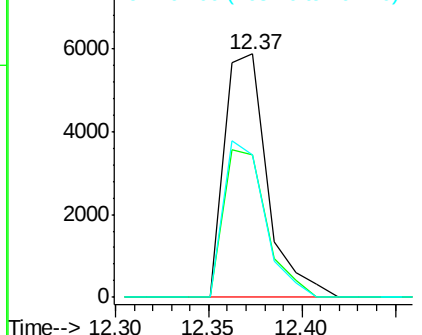
Tot Ion	Ratio	Lower	Upper
266	100		
268	58.5	50.1	75.1
264	58.4	50.0	75.0

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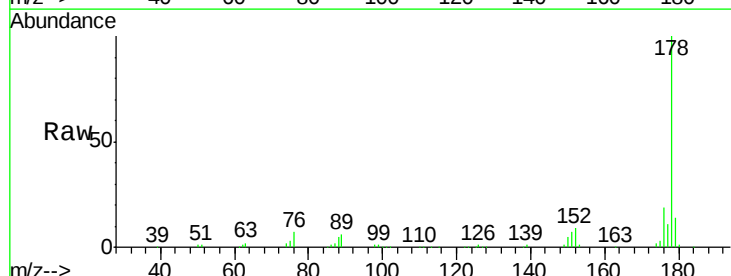


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

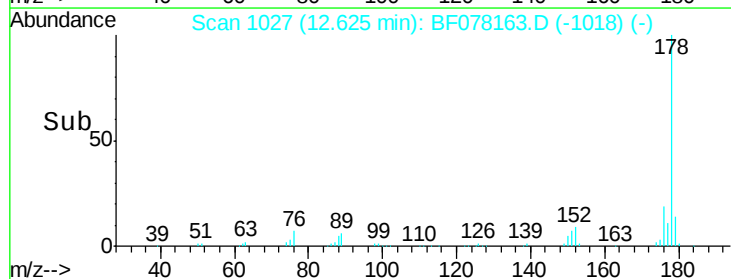
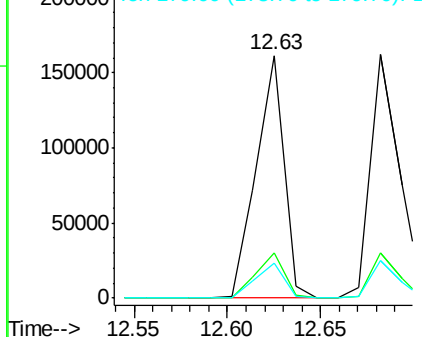


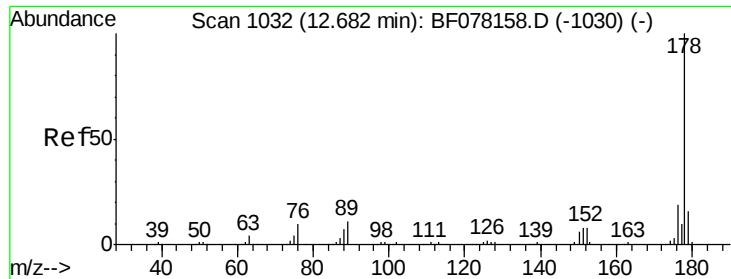
#70
 Phenanthrene
 Concen: 20.90 ng
 RT: 12.63 min Scan# 1027
 Delta R.T. -0.00 min
 Lab File: BF078163.D
 Acq: 1 Apr 2015 20:31

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.0
179	14.4	12.2	18.2



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: 21.62 ng

RT: 12.68 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Instrument :

BNA_F

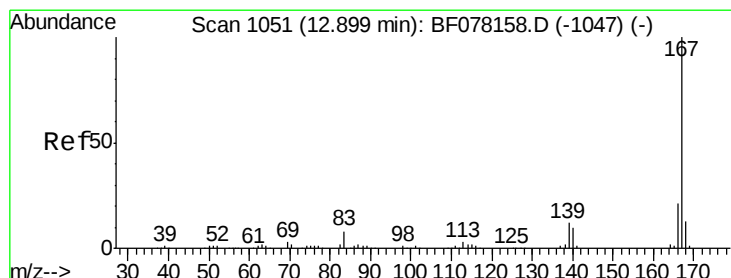
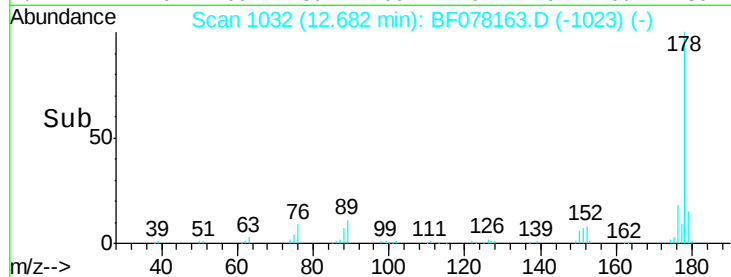
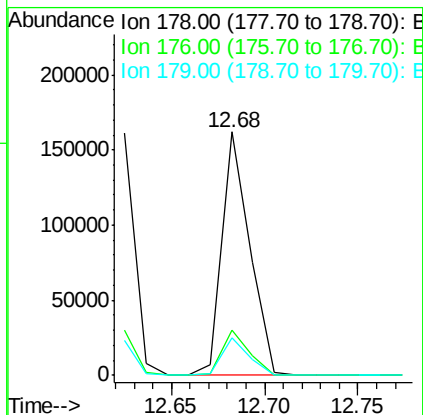
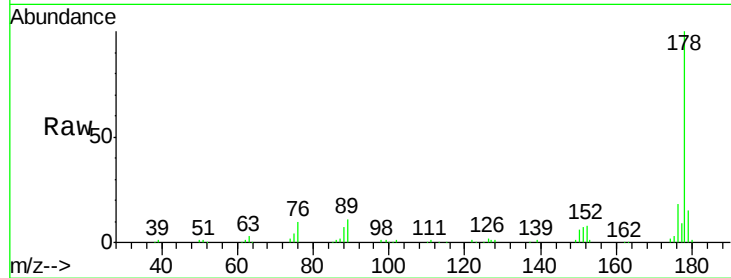
ClientSampleId :

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Tot Ion:	178	Resp:	169621
Ion Ratio	Lower	Upper	
178	100		
176	18.5	14.8	22.2
179	15.3	12.4	18.6

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#72

Carbazole

Concen: 21.25 ng

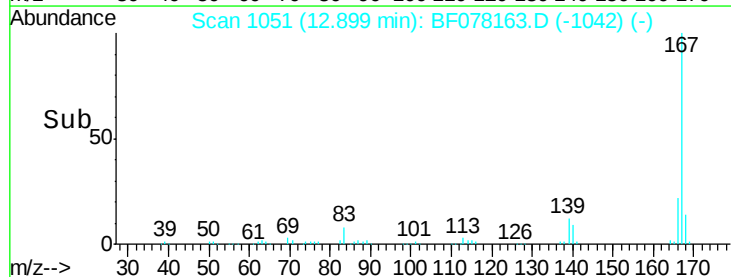
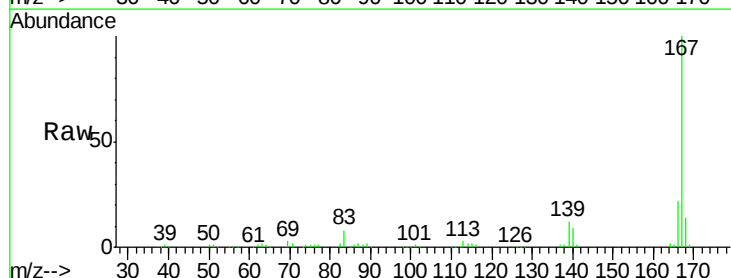
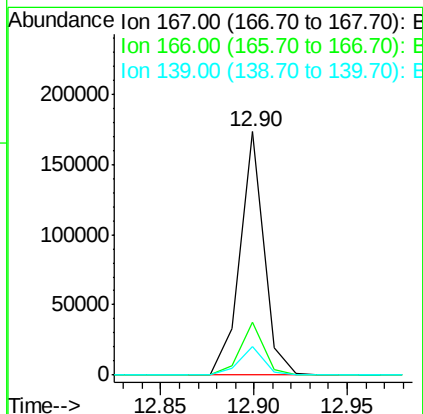
RT: 12.90 min Scan# 1051

Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Tgt Ion:	167	Resp:	156255
Ion Ratio	Lower	Upper	
167	100		
166	21.5	16.8	25.2
139	11.8	10.0	15.0





#73

Di-n-butylphthalate

Concen: 20.96 ng

RT: 13.36 min Scan# 1091

Delta R.T. -0.00 min

Lab File: BF078163.D

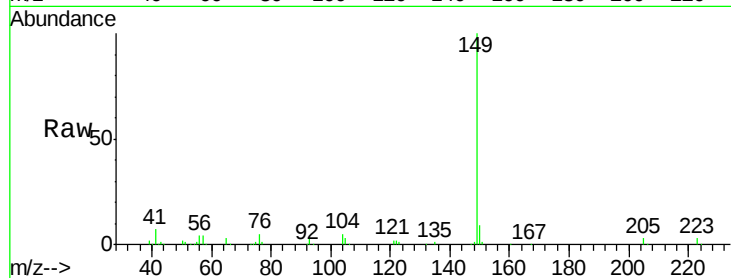
Acq: 1 Apr 2015 20:31

Instrument :

BNA_F

ClientSampleId :

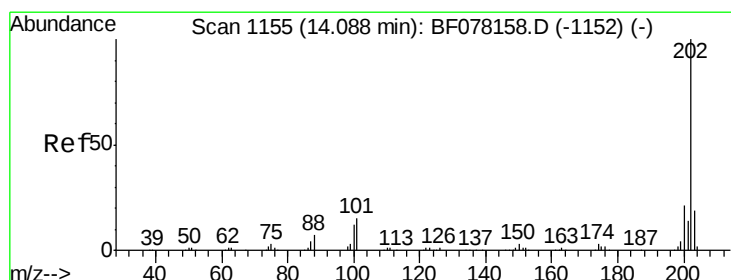
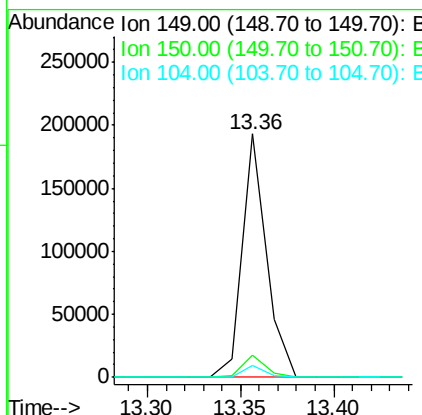
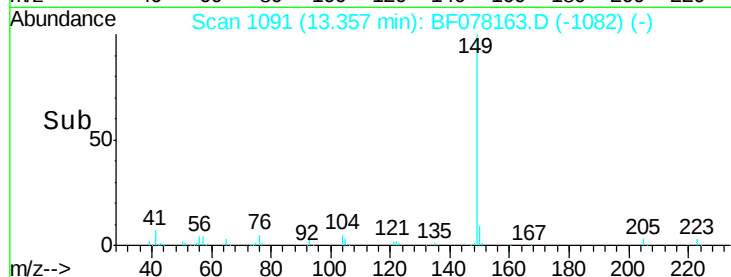
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Tot Ion:	149	Resp:	174551
Ion Ratio	Lower	Upper	
149	100		
150	9.0	7.1	10.7
104	5.0	3.8	5.6

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#74

Fluoranthene

Concen: 21.21 ng

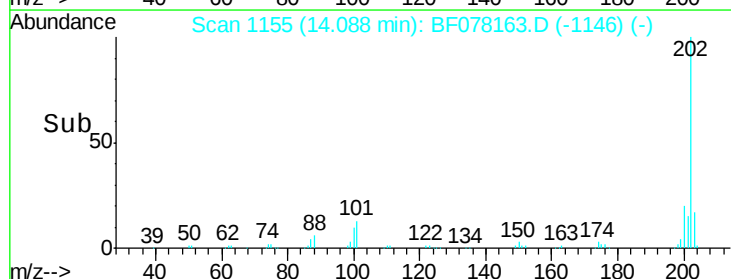
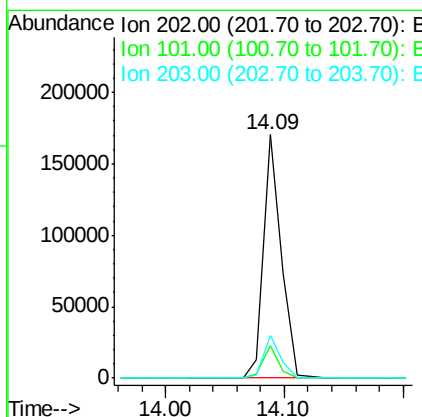
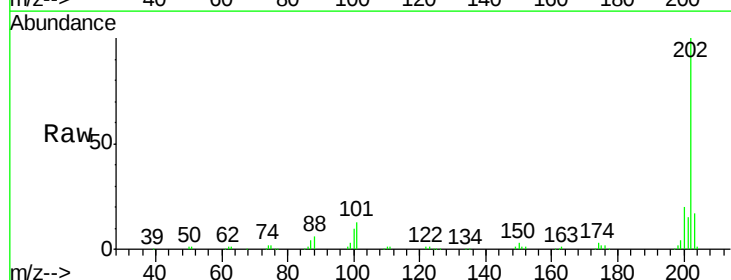
RT: 14.09 min Scan# 1155

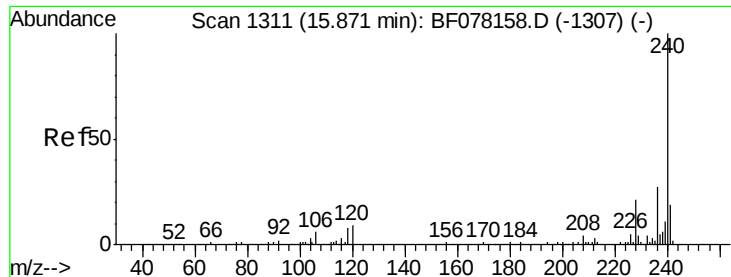
Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Tgt Ion:	202	Resp:	178061
Ion Ratio	Lower	Upper	
202	100		
101	13.2	0.0	35.2
203	17.4	0.0	38.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.87 min Scan# 1311

Delta R.T. -0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Instrument :

BNA_F

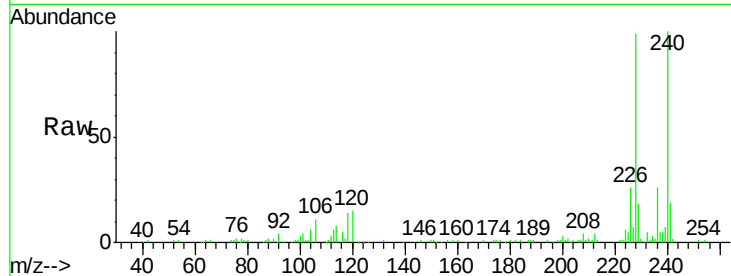
ClientSampleId :

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Tot Ion:	240	Resp:	139888
Ion Ratio	Lower	Upper	
240	100		
120	15.3	7.1	10.7#
236	25.8	21.4	32.2

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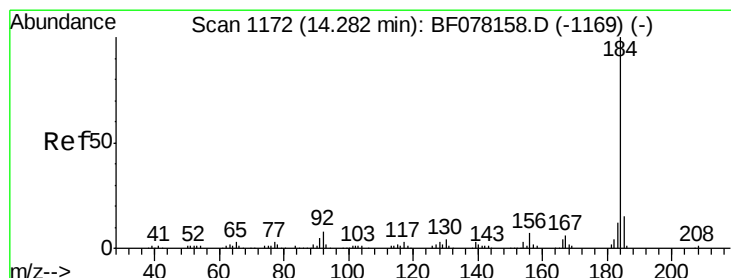
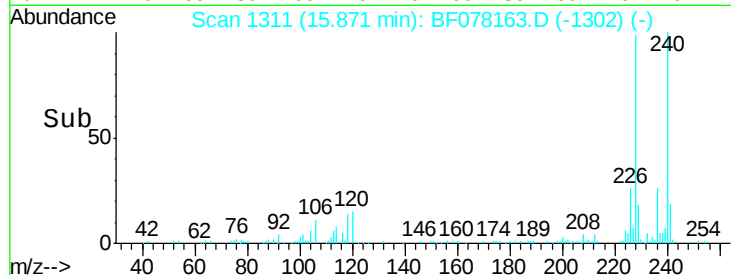
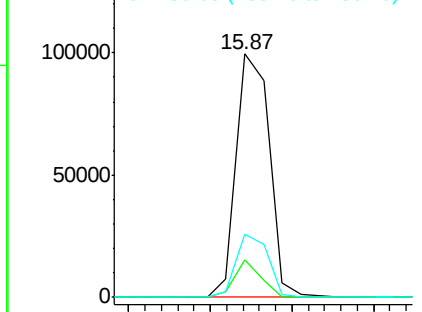
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 19.18 ng

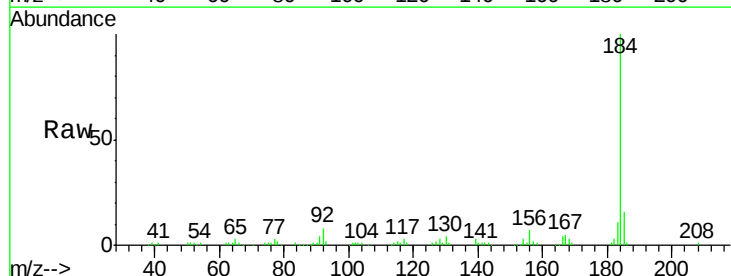
RT: 14.28 min Scan# 1172

Delta R.T. 0.00 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

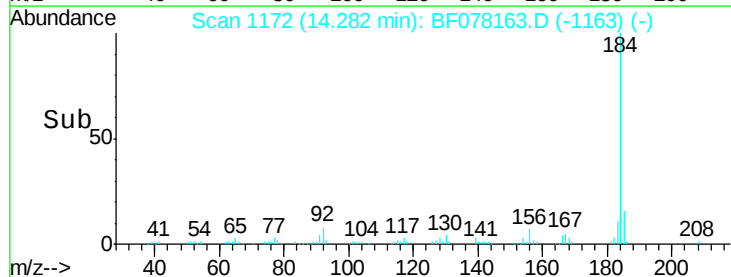
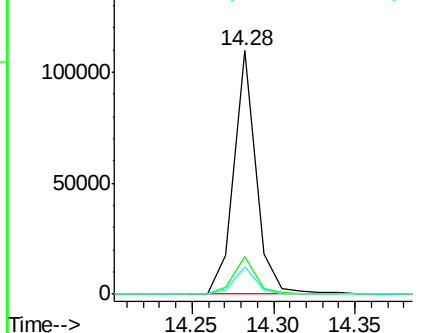
Tgt Ion:	184	Resp:	103302
Ion Ratio	Lower	Upper	
184	100		
185	15.7	12.2	18.2
183	11.1	9.5	14.3

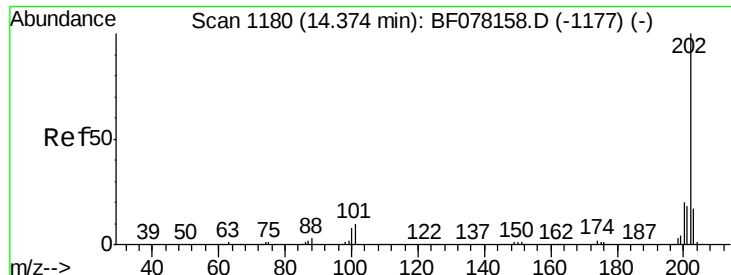


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





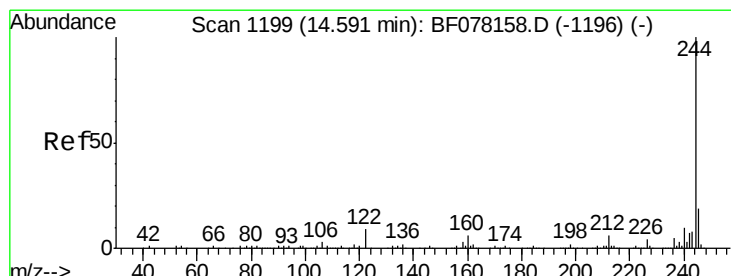
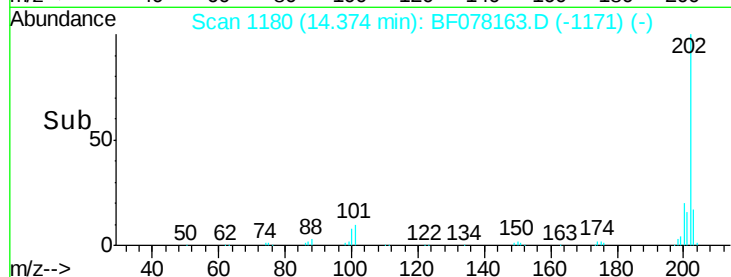
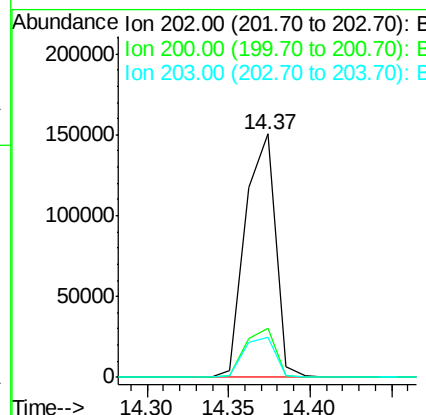
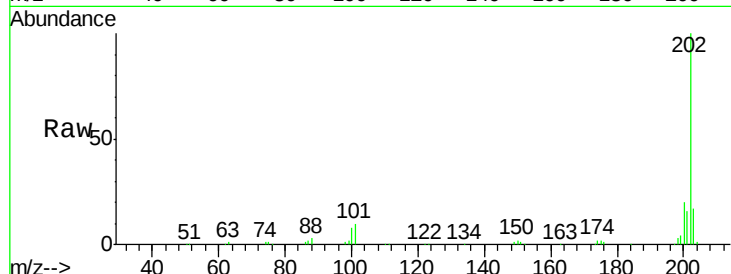
#77
 Pvrene
 Concen: 21.81 ng
 RT: 14.37 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: BF078163.D
 Acq: 1 Apr 2015 20:31

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.2	16.3	24.5
203	16.6	13.8	20.6

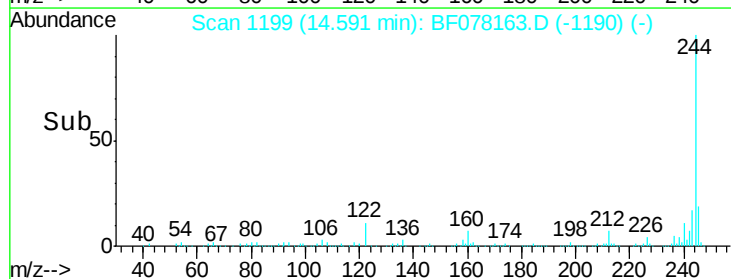
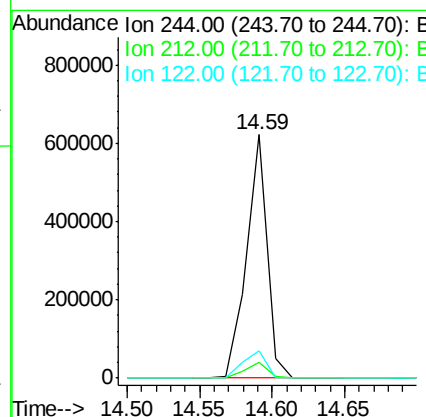
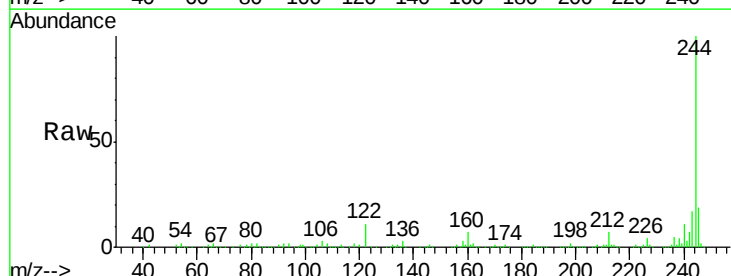
Manual Integrations
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#78
 Terphenyl-d14
 Concen: 99.16 ng
 RT: 14.59 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: BF078163.D
 Acq: 1 Apr 2015 20:31

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.6	5.0	7.4
122	11.2	7.1	10.7





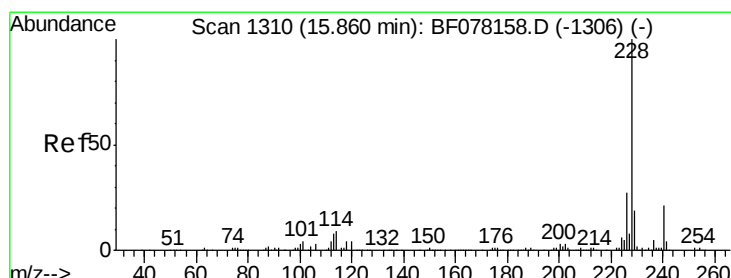
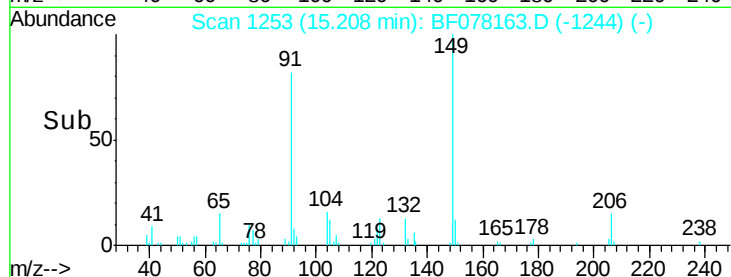
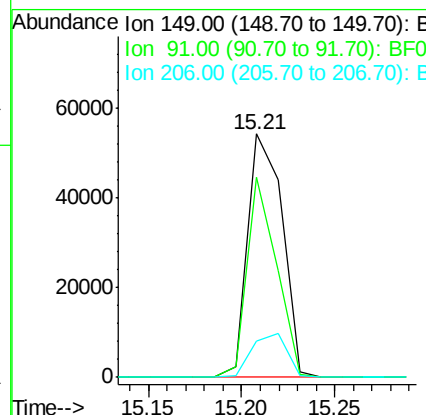
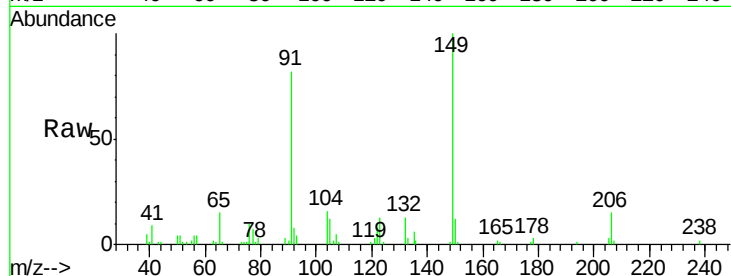
#79
Butylbenzylphthalate
Concen: 20.80 ng
RT: 15.21 min Scan# 1253
Delta R.T. -0.00 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tot Ion	Ratio	Resp	Lower	Upper
149	100	69605		
91	82.4	64.2	96.2	
206	15.1	12.6	18.8	

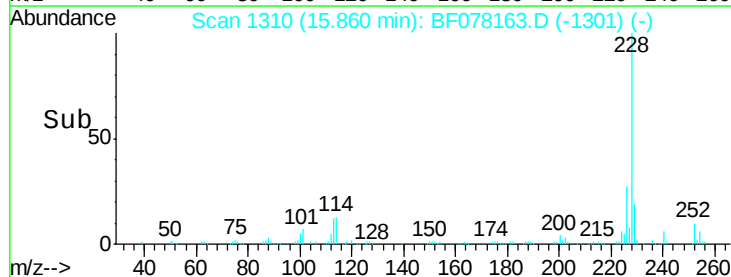
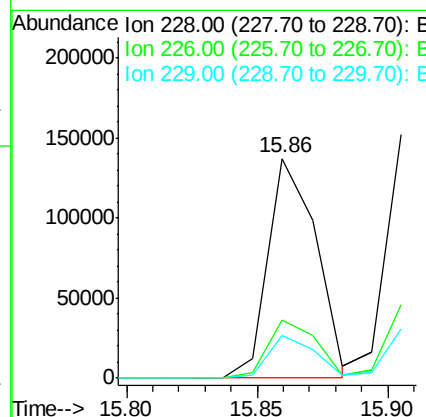
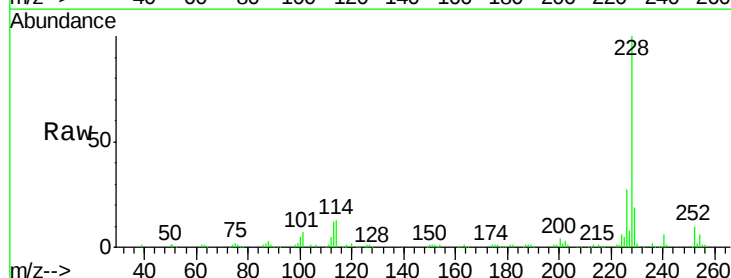
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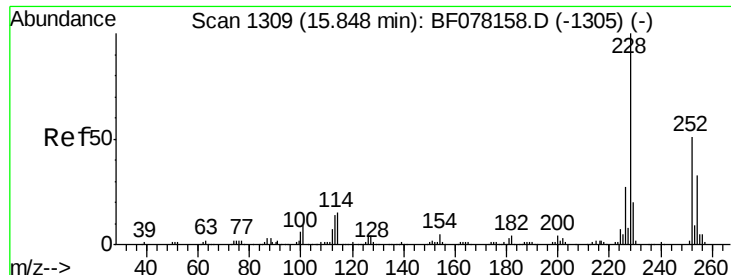
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#80
Benzo(a)anthracene
Concen: 21.00 ng
RT: 15.86 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	174817		
226	26.6	21.3	31.9	
229	19.5	15.4	23.2	





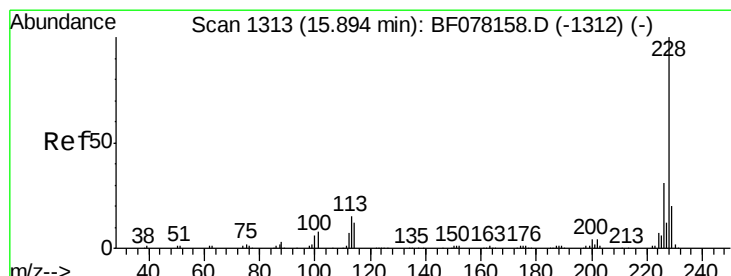
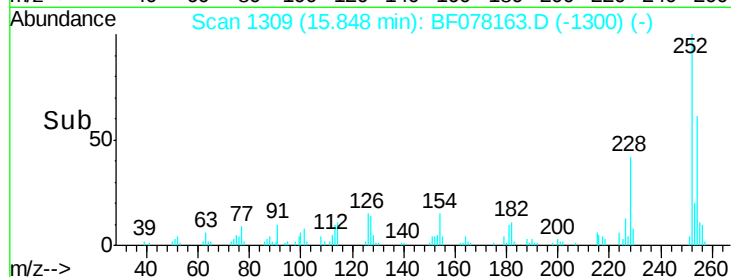
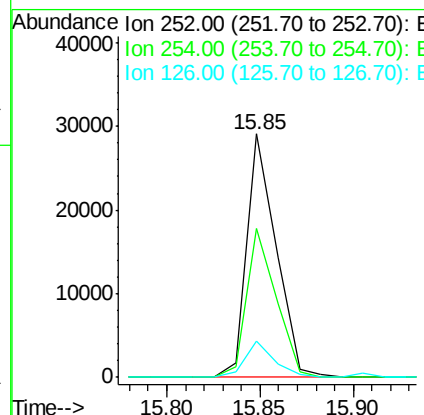
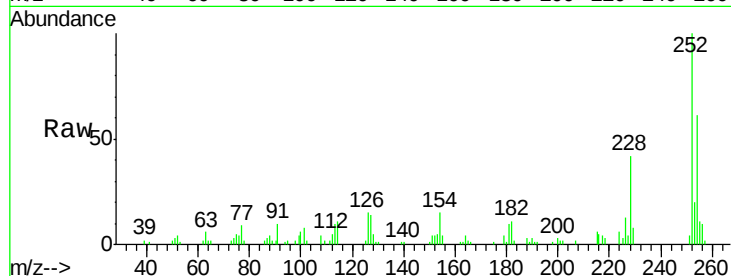
#81
 3,3'-Dichlorobenzidine
 Concen: 11.43 ng
 RT: 15.85 min Scan# 1309
 Delta R.T. -0.00 min
 Lab File: BF078163.D
 Acq: 1 Apr 2015 20:31

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Tot Ion	Ratio	Resp	Lower	Upper
252	100	31863		
254	61.3	51.2	76.8	
126	14.9	6.3	9.5	

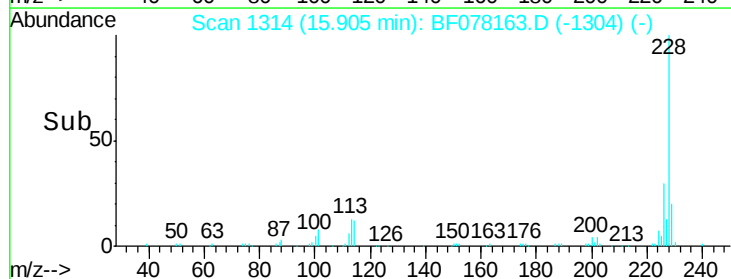
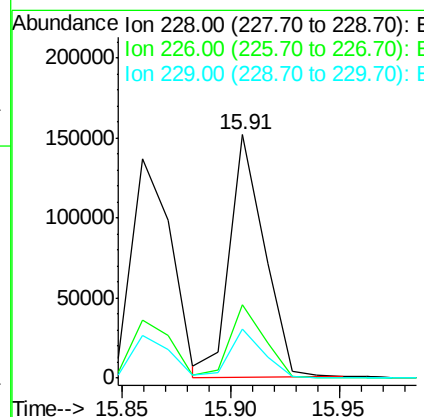
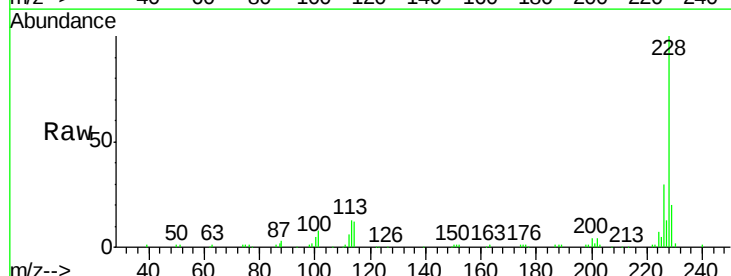
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#82
 Chrysene
 Concen: 21.29 ng
 RT: 15.91 min Scan# 1314
 Delta R.T. 0.01 min
 Lab File: BF078163.D
 Acq: 1 Apr 2015 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	166485		
226	30.3	24.2	36.4	
229	20.2	15.8	23.8	





#83

Bis(2-ethylhexyl)phthalate

Concen: 21.33 ng

RT: 15.95 min Scan# 1318

Delta R.T. 0.01 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

Tot Ion:149 Resp: 111978

Ion Ratio Lower Upper

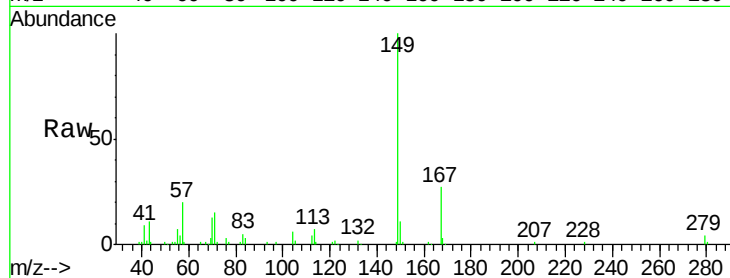
149 100

167 27.0 22.2 33.2

279 3.9 3.2 4.8

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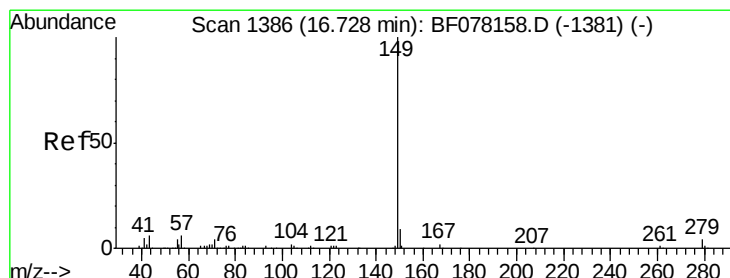
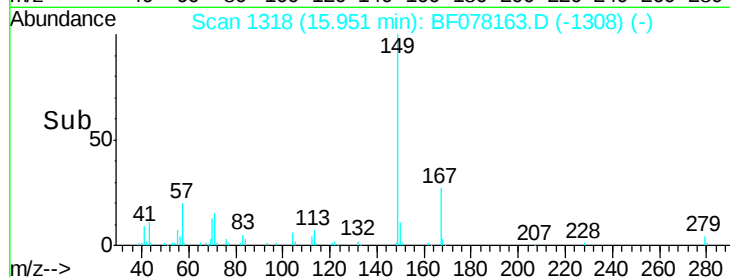
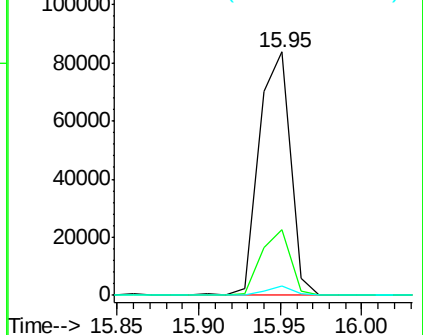
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 20.71 ng

RT: 16.76 min Scan# 1389

Delta R.T. 0.03 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

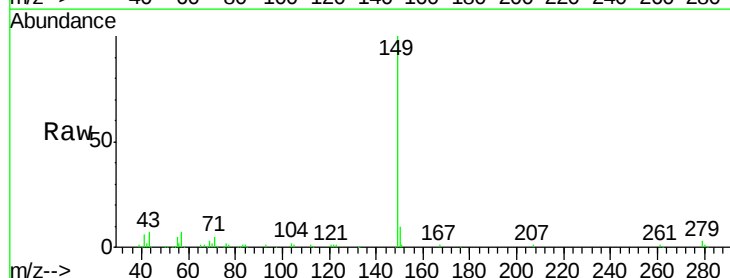
Tgt Ion:149 Resp: 178527

Ion Ratio Lower Upper

149 100

167 1.5 0.0 0.0#

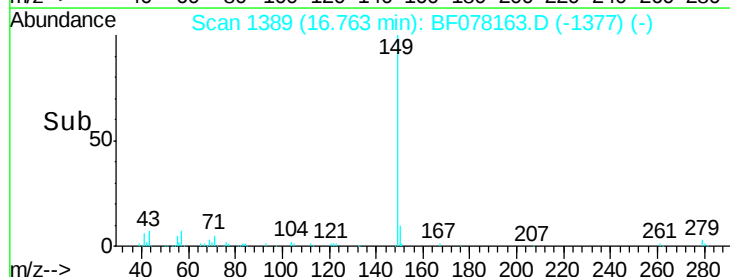
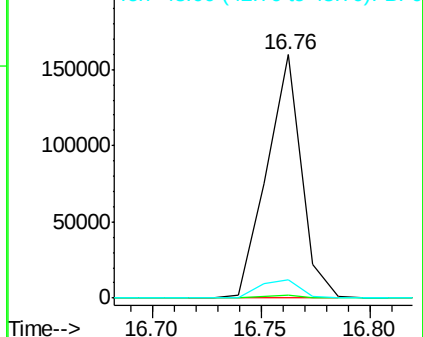
43 9.0 0.0 0.0#

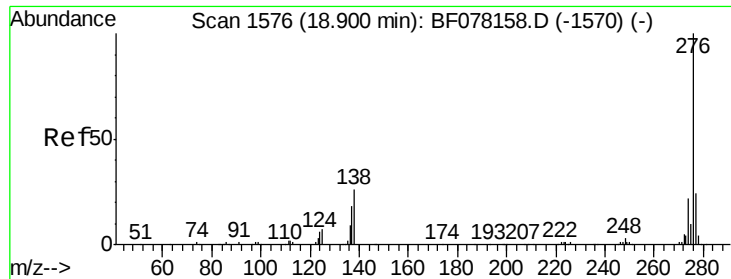


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0





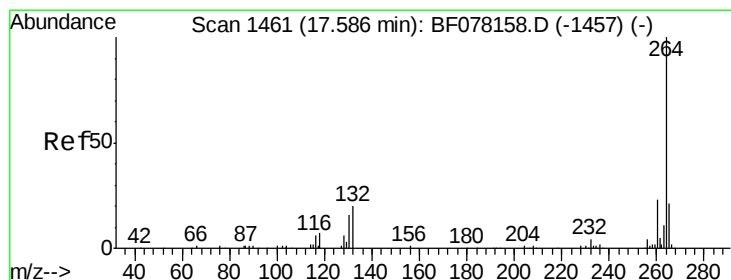
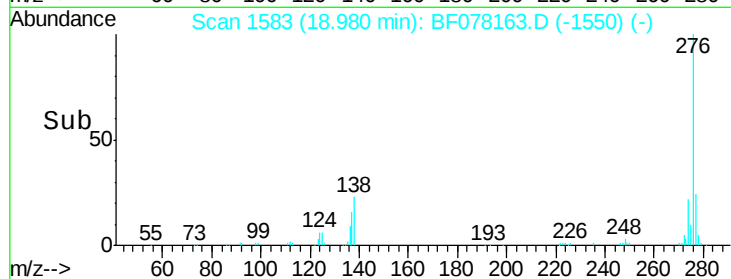
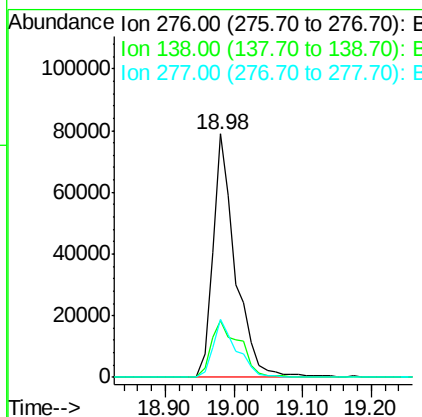
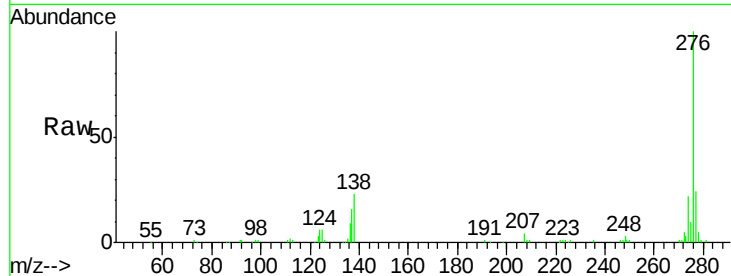
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 20.44 ng
 RT: 18.98 min Scan# 1583
 Delta R.T. 0.08 min
 Lab File: BF078163.D
 Acq: 1 Apr 2015 20:31

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Tot Ion	Ratio	Resp	Lower	Upper
276	100			
138	29.7	16.9	25.3	#
277	24.9	15.8	23.6	#

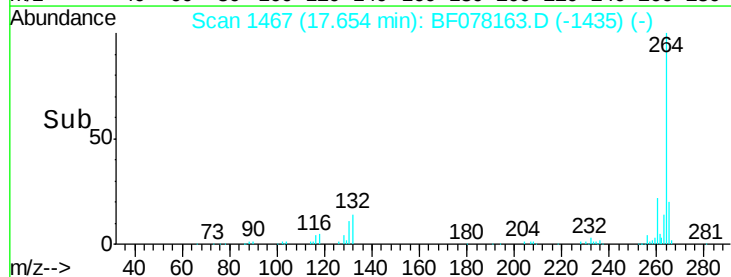
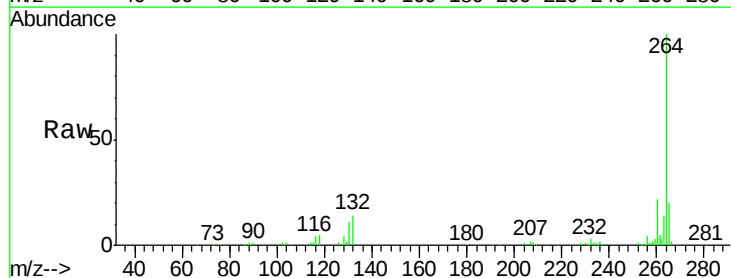
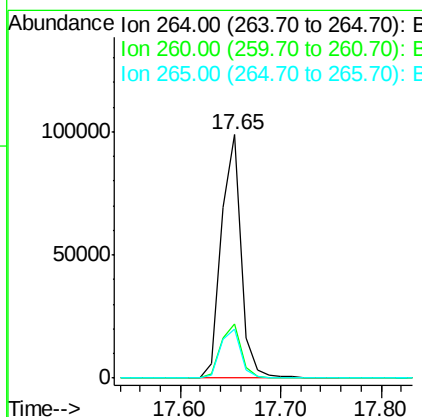
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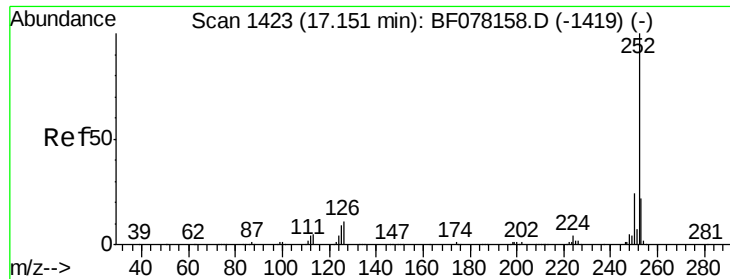
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.65 min Scan# 1467
 Delta R.T. 0.07 min
 Lab File: BF078163.D
 Acq: 1 Apr 2015 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
264	100			
260	22.0	18.6	27.8	
265	20.0	17.0	25.6	





#87

Benzo(b)fluoranthene

Concen: 20.16 ng

RT: 17.20 min Scan# 1427

Delta R.T. 0.05 min

Lab File: BF078163.D

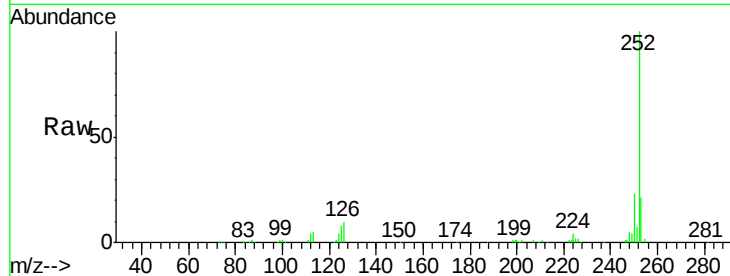
Acq: 1 Apr 2015 20:31

Instrument :

BNA_F

ClientSampleId :

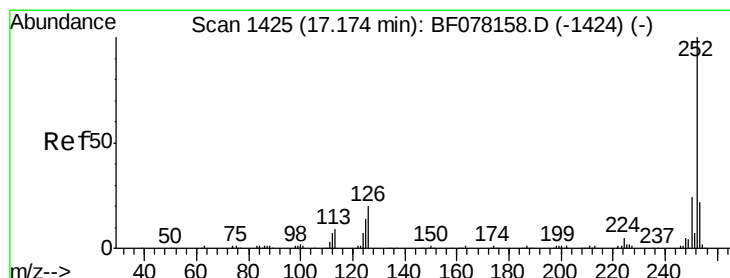
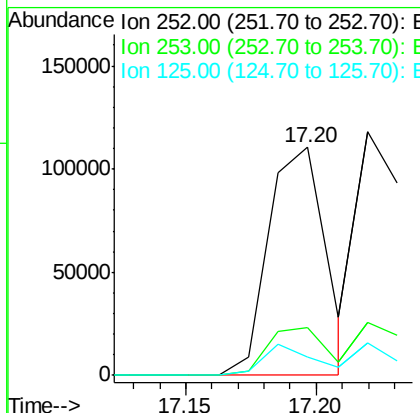
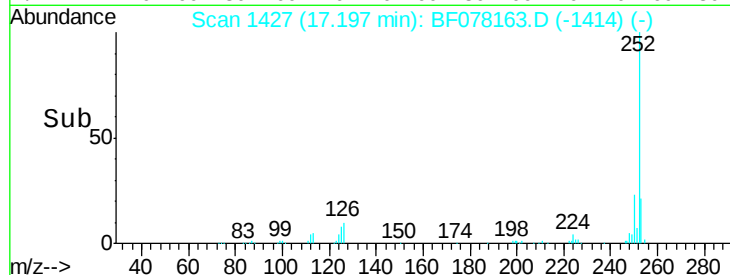
LOQ-SOIL2015-02



Tot Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.2	25.8
125	8.3	7.0	10.4

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#88

Benzo(k)fluoranthene

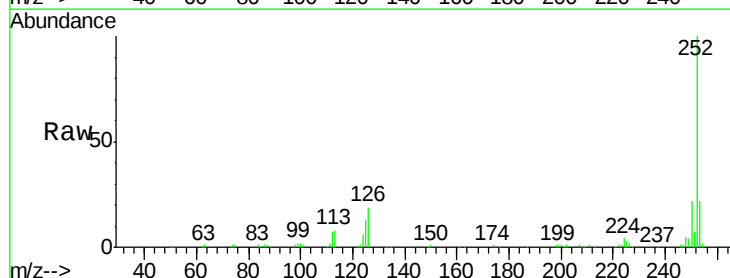
Concen: 21.25 ng m

RT: 17.22 min Scan# 1429

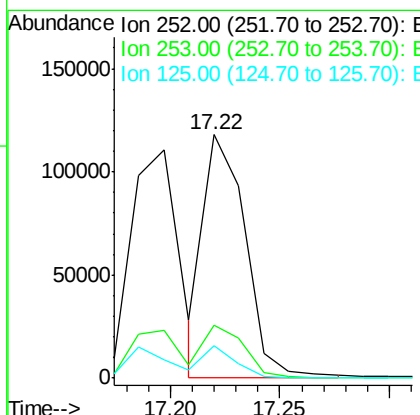
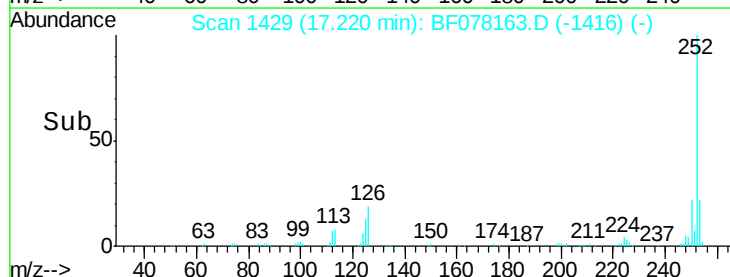
Delta R.T. 0.05 min

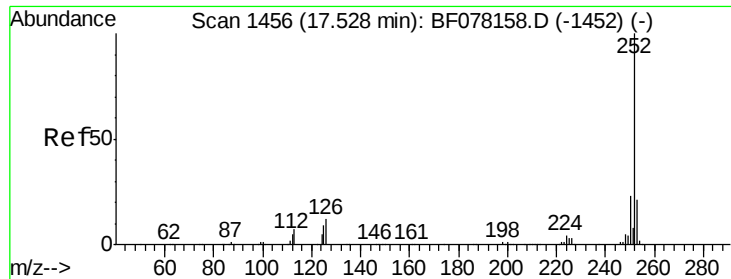
Lab File: BF078163.D

Acq: 1 Apr 2015 20:31



Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	13.2	11.6	17.4





#89

Benzo(a)pyrene

Concen: 21.83 ng

RT: 17.59 min Scan# 1461

Delta R.T. 0.06 min

Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Instrument :

BNA_F

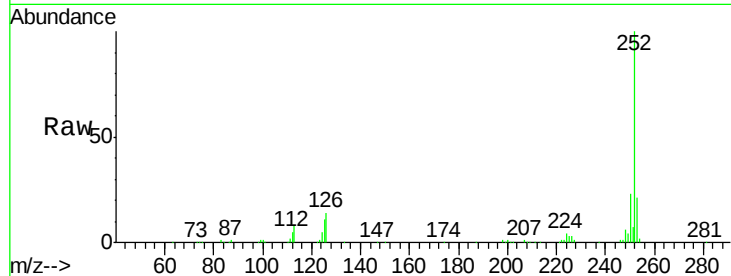
ClientSampleId :

LOQ-SOIL2015-02

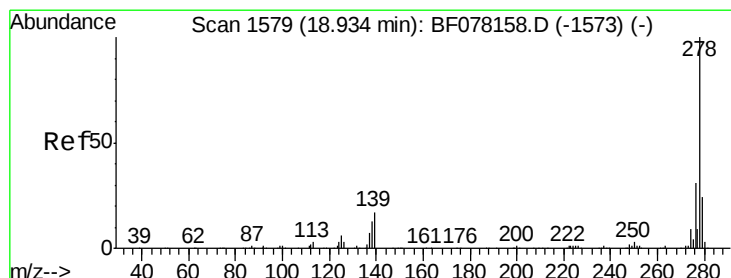
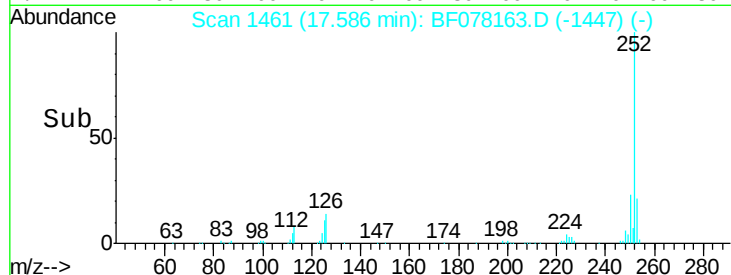
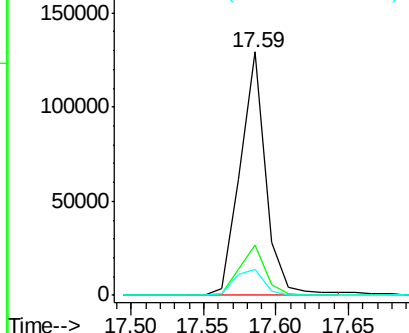
Tot Ion:	252	Resp:	159126
Ion Ratio	Lower	Upper	
252	100		
253	20.7	16.8	25.2
125	10.8	7.4	11.0

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



#90

Dibenzo(a,h)anthracene

Concen: 20.09 ng

RT: 19.01 min Scan# 1586

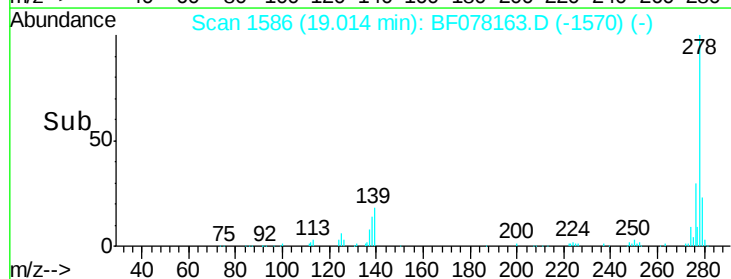
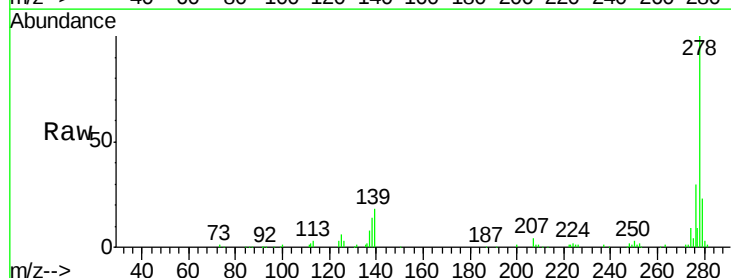
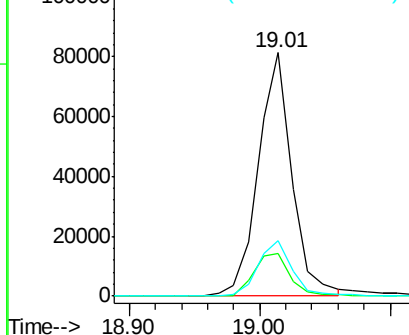
Delta R.T. 0.08 min

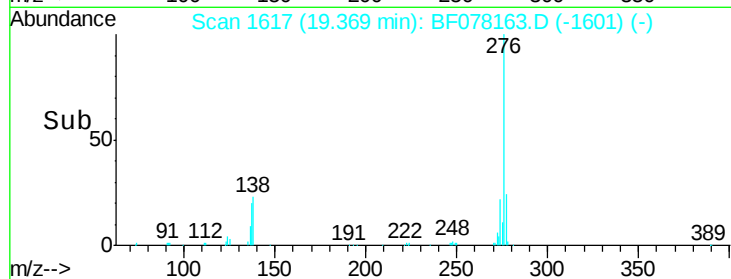
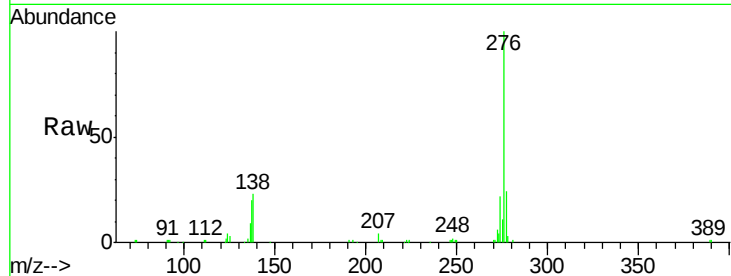
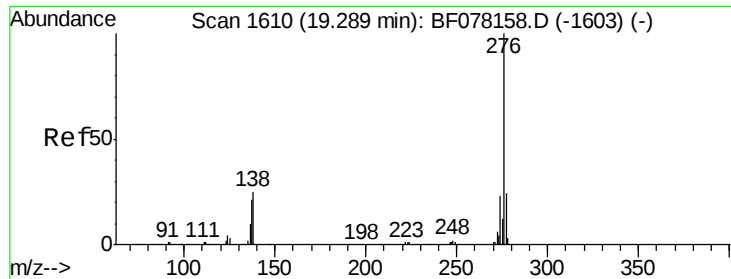
Lab File: BF078163.D

Acq: 1 Apr 2015 20:31

Tgt Ion:	278	Resp:	146593
Ion Ratio	Lower	Upper	
278	100		
139	17.7	13.6	20.4
279	22.9	19.0	28.6

Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91
Benzo(a,h,i)perylene
Concen: 20.83 ng
RT: 19.37 min Scan# 1617
Delta R.T. 0.08 min
Lab File: BF078163.D
Acq: 1 Apr 2015 20:31

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	24.4	19.0	28.4
138	23.2	19.9	29.9

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