

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010215\
 Data File : BF076736.D
 Acq On : 2 Jan 2015 21:04
 Operator : IZ / TP
 Sample : G1001-04
 Misc : L00-SOIL-20PPM
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Quant Time: Jan 03 02:55:21 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121714.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 02 22:56:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	43212	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	173849	20.00	ng	0.00
38) Acenaphthene-d10	10.45	164	95995	20.00	ng	-0.01
63) Phenanthrene-d10	12.27	188	166804	20.00	ng	0.00
75) Chrysene-d12	15.50	240	161224	20.00	ng	-0.01
86) Perylene-d12	17.17	264	137947	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.89	112	312502	122.60	ng	0.01
7) Phenol-d6	6.31	99	407634	130.94	ng	0.00
23) Nitrobenzene-d5	7.42	82	235129	80.44	ng	0.00
41) 2,4,6-Tribromophenol	11.42	330	101973	125.69	ng	-0.01
44) 2-Fluorobiphenyl	9.66	172	485905	78.77	ng	0.00
78) Terphenyl-d14	14.25	244	510298	69.82	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.41	88	12616	11.58	ng	# 100
3) Pyridine	1.94	79	35598	12.98	ng	97
4) n-Nitrosodimethylamine	1.88	42	17554	13.23	ng	98
6) Aniline	6.29	93	54264	12.21	ng	# 85
8) 2-Chlorophenol	6.44	128	45271	15.51	ng	92
9) Benzaldehyde	6.14	77	33003	13.94	ng	99
10) Phenol	6.32	94	58604	15.51	ng	84
11) bis(2-Chloroethyl)ether	6.41	93	43334	15.93	ng	98
12) 1,3-Dichlorobenzene	6.63	146	47948	14.15	ng	97
13) 1,4-Dichlorobenzene	6.73	146	48688	14.19	ng	98
14) 1,2-Dichlorobenzene	6.92	146	48238	14.82	ng	96
15) Benzyl Alcohol	6.93	79	41734	15.48	ng	94
16) 2,2'-oxybis(1-Chloropropan	7.11	45	59116	15.00	ng	95
17) 2-Methylphenol	7.09	107	35490	14.80	ng	96
18) Hexachloroethane	7.34	117	18690	15.24	ng	# 75
19) n-Nitroso-di-n-propylamine	7.26	70	31648	13.92	ng	96
20) 3+4-Methylphenols	7.29	107	43841	13.54	ng	90
22) Acetophenone	7.24	105	67757	16.26	ng	# 95
24) Nitrobenzene	7.44	77	52823	17.43	ng	98
25) Isophorone	7.75	82	92996	16.51	ng	# 92
26) 2-Nitrophenol	7.84	139	22532	15.22	ng	# 89
27) 2,4-Dimethylphenol	7.93	122	39242	16.38	ng	95
28) bis(2-Chloroethoxy)methane	8.06	93	54205	16.39	ng	99
29) 2,4-Dichlorophenol	8.15	162	37769	16.04	ng	96
30) 1,2,4-Trichlorobenzene	8.24	180	38516	15.17	ng	98
31) Naphthalene	8.32	128	138763	16.11	ng	99
32) Benzoic acid	8.05	122	17146	15.60	ng	# 85
33) 4-Chloroaniline	8.42	127	48787	13.88	ng	98
34) Hexachlorobutadiene	8.49	225	23969	16.24	ng	93
35) Caprolactam	8.82	113	10981	16.17	ng	98
36) 4-Chloro-3-methylphenol	9.04	107	42340	16.16	ng	# 83
37) 2-Methylnaphthalene	9.18	142	92305	15.36	ng	94
39) 1,2,4,5-Tetrachlorobenzene	9.38	216	37298	15.80	ng	# 77
40) Hexachlorocyclopentadiene	9.37	237	14865	16.74	ng	91

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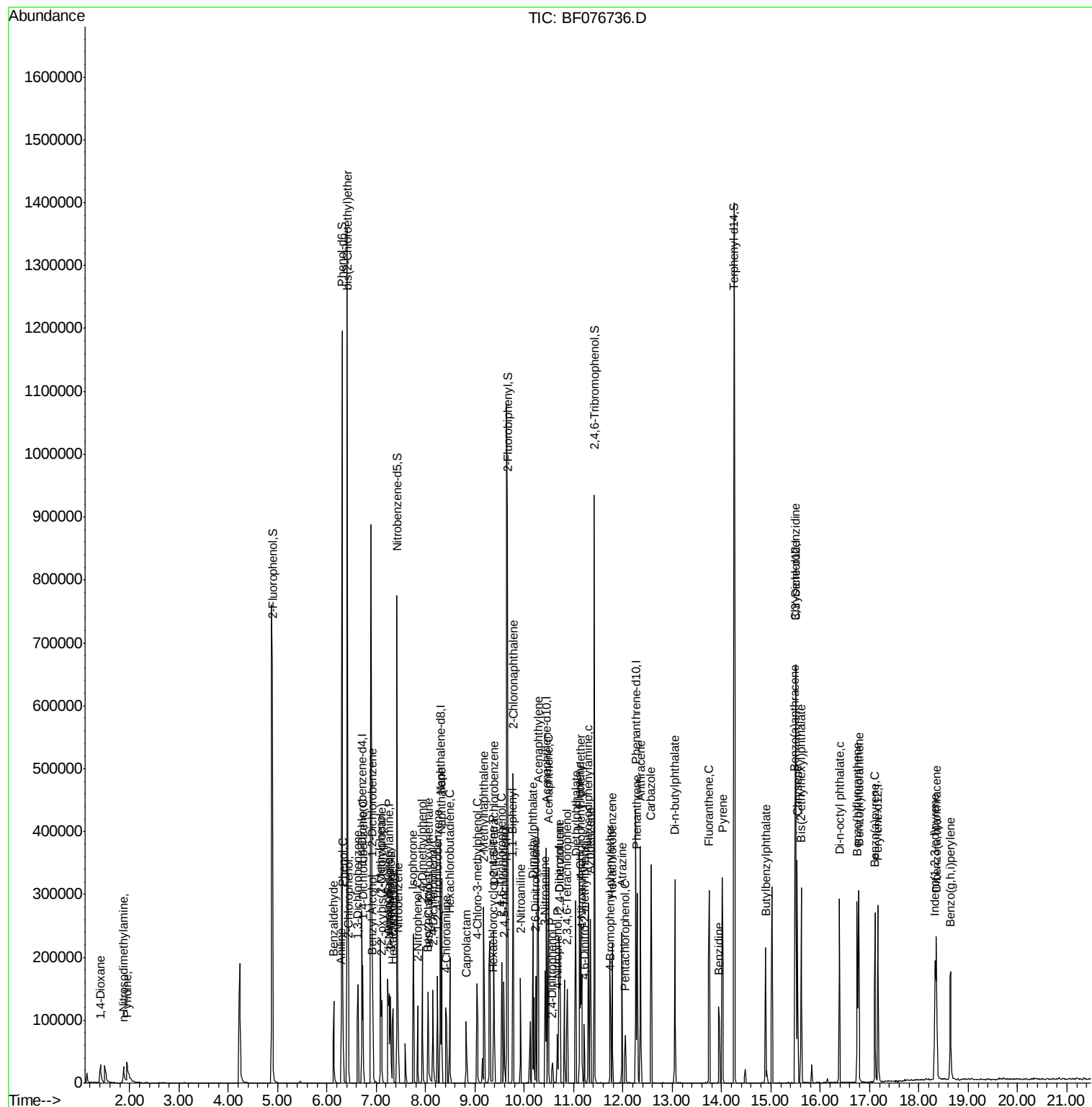
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42) 2,4,6-Trichlorophenol	9.54	196	25467	14.87	nq	99
43) 2,4,5-Trichlorophenol	9.59	196	26093	14.16	nq	97
45) 1,1'-Biphenyl	9.76	154	111363	15.62	nq	97
46) 2-Chloronaphthalene	9.77	162	89848	15.89	nq	97
47) 2-Nitroaniline	9.92	65	28586	16.61	nq	# 83
48) Acenaphthylene	10.28	152	157112	16.33	nq	99
49) Dimethylphthalate	10.17	163	118819	17.50	nq	99
50) 2,6-Dinitrotoluene	10.23	165	23047	16.56	nq	# 45
51) Acenaphthene	10.49	154	86706	15.93	nq	97
52) 3-Nitroaniline	10.42	138	25951	16.43	nq	81
53) 2,4-Dinitrophenol	10.57	184	5971	13.92	nq	94
54) Dibenzofuran	10.71	168	127722	16.22	nq	92
55) 4-Nitrophenol	10.68	139	15756m	13.01	nq	
56) 2,4-Dinitrotoluene	10.72	165	33769	18.21	nq	# 78
57) Fluorene	11.12	166	110165	16.66	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.87	232	20778	15.16	nq	# 100
59) Diethylphthalate	11.04	149	117104	16.88	nq	99
60) 4-Chlorophenyl-phenylether	11.14	204	48264	16.86	nq	# 85
61) 4-Nitroaniline	11.17	138	26291	15.83	nq	93
62) Azobenzene	11.34	77	99640	14.58	nq	92
64) 4,6-Dinitro-2-methylphenol	11.21	198	13028	12.49	nq	82
65) n-Nitrosodiphenylamine	11.29	169	90537	15.45	nq	95
66) 4-Bromophenyl-phenylether	11.75	248	27497	16.92	nq	# 67
67) Hexachlorobenzene	11.78	284	29648	15.63	nq	# 88
68) Atrazine	11.98	200	26962	15.40	nq	98
69) Pentachlorophenol	12.05	266	10967	11.81	nq	95
70) Phenanthrene	12.29	178	158068	15.71	nq	99
71) Anthracene	12.36	178	161888	16.40	nq	97
72) Carbazole	12.57	167	147706	15.42	nq	99
73) Di-n-butylphthalate	13.05	149	183249	15.58	nq	99
74) Fluoranthene	13.75	202	165992	16.15	nq	94
76) Benzidine	13.96	184	68194	10.15	nq	99
77) Pyrene	14.01	202	169973	15.07	nq	98
79) Butylbenzylphthalate	14.89	149	78775	14.61	nq	99
80) Benzo(a)anthracene	15.49	228	157528	15.69	nq	99
81) 3,3'-Dichlorobenzidine	15.50	252	36704	10.94	nq	# 98
82) Chrysene	15.53	228	148828	16.20	nq	98
83) Bis(2-ethylhexyl)phthalate	15.61	149	110443	13.54	nq	99
84) Di-n-octyl phthalate	16.39	149	186154	13.36	nq	100
85) Indeno(1,2,3-cd)pyrene	18.32	276	150749	14.95	nq	95
87) Benzo(b)fluoranthene	16.75	252	162847	17.89	nq	# 97
88) Benzo(k)fluoranthene	16.78	252	118995m	14.04	nq	
89) Benzo(a)pyrene	17.11	252	136938	16.86	nq	97
90) Dibenzo(a,h)anthracene	18.36	278	131460	16.33	nq	98
91) Benzo(g,h,i)perylene	18.64	276	128068	16.35	nq	94

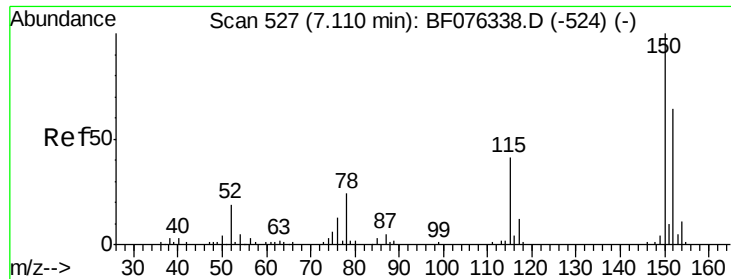
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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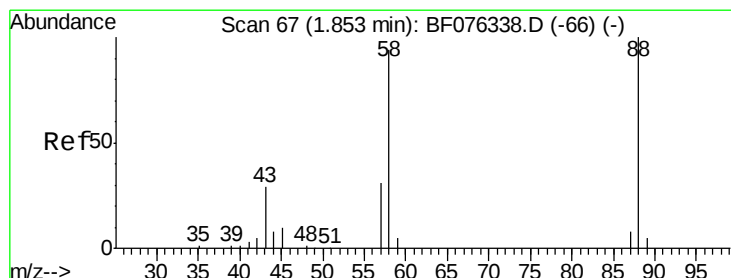
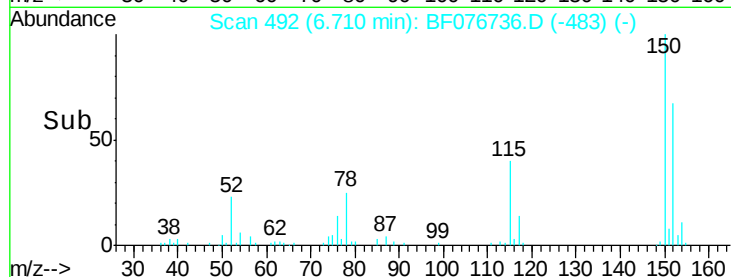
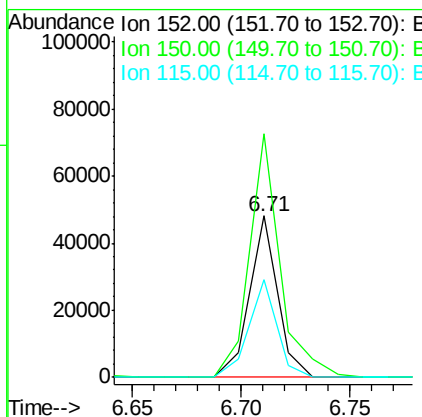
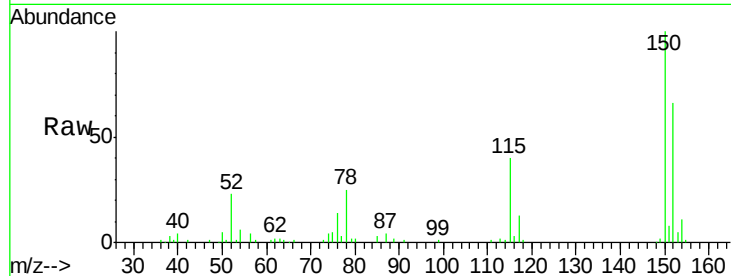


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.71 min Scan# 492
Delta R.T. 0.00 min
Lab File: BF076736.D
Acq: 2 Jan 2015 21:04

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

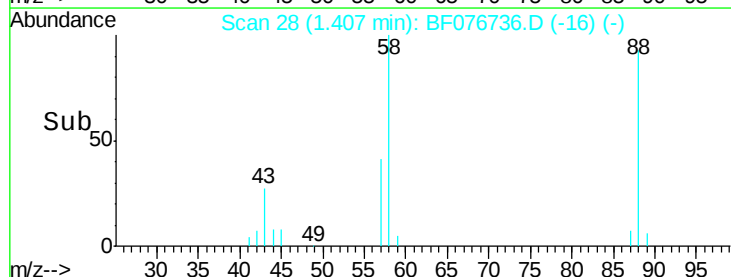
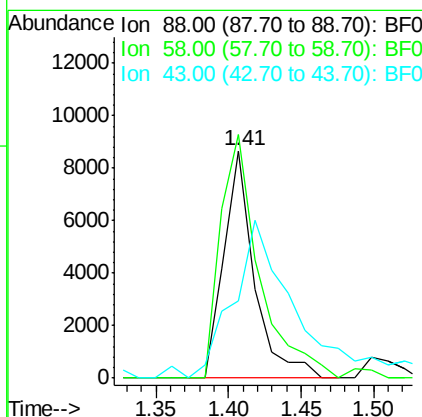
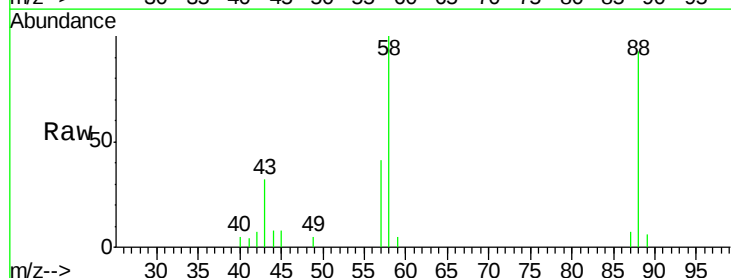
Tot Ion:152 Resp: 43212
Ion Ratio Lower Upper
152 100
150 151.0 125.2 187.8
115 60.3 51.4 77.0

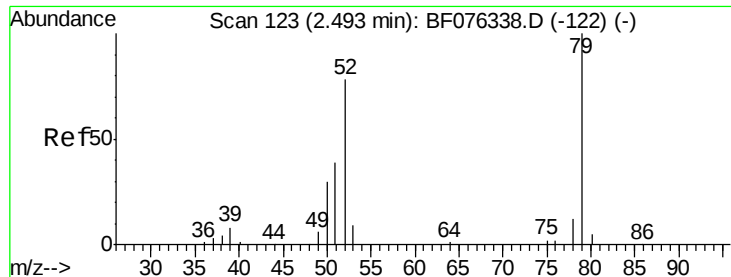


#2

1,4-Dioxane
Concen: 11.58 ng
RT: 1.41 min Scan# 28
Delta R.T. 0.03 min
Lab File: BF076736.D
Acq: 2 Jan 2015 21:04

Tgt Ion: 88 Resp: 12616
Ion Ratio Lower Upper
88 100
58 135.7 0.0 0.0#
43 154.2 0.0 0.0#





#3

Pvridine

Concen: 12.98 ng

RT: 1.94 min Scan# 75

Delta R.T. 0.06 min

Lab File: BF076736.D

Acq: 2 Jan 2015 21:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

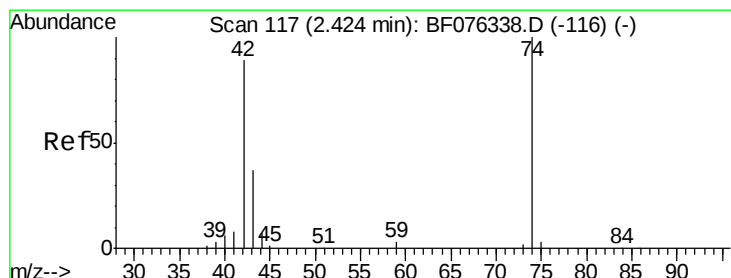
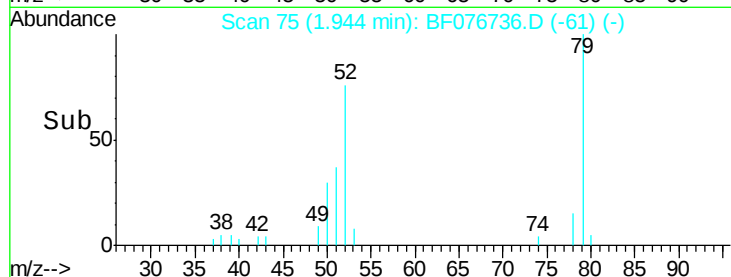
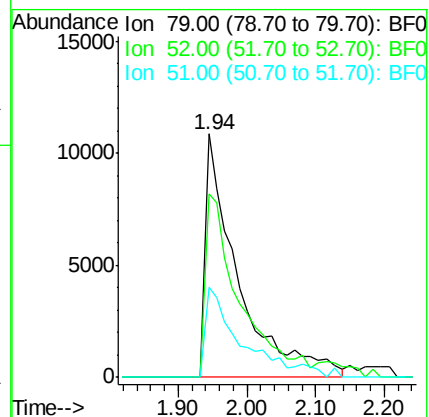
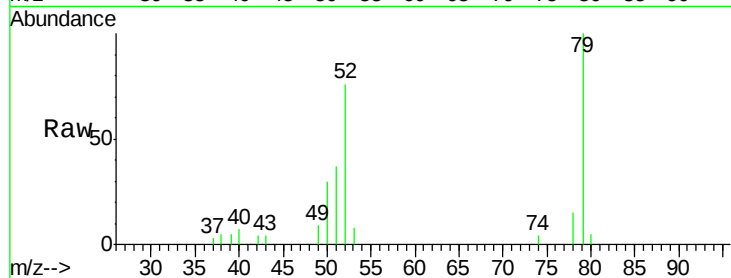
Tot Ion: 79 Resp: 35598

Ion Ratio Lower Upper

79 100

52 75.6 62.2 93.4

51 37.1 32.1 48.1



#4

n-Nitrosodimethylamine

Concen: 13.23 ng

RT: 1.88 min Scan# 69

Delta R.T. 0.03 min

Lab File: BF076736.D

Acq: 2 Jan 2015 21:04

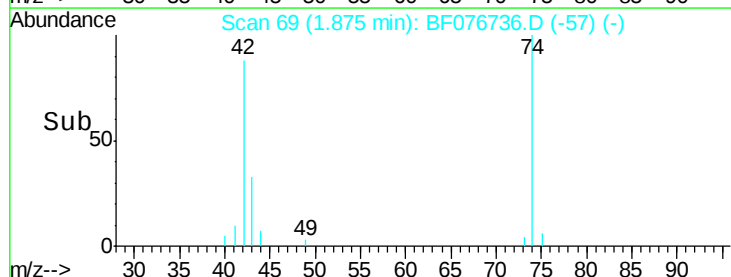
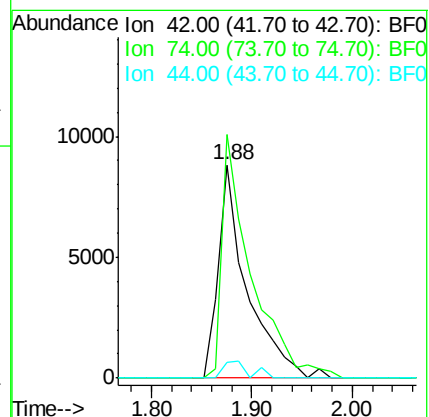
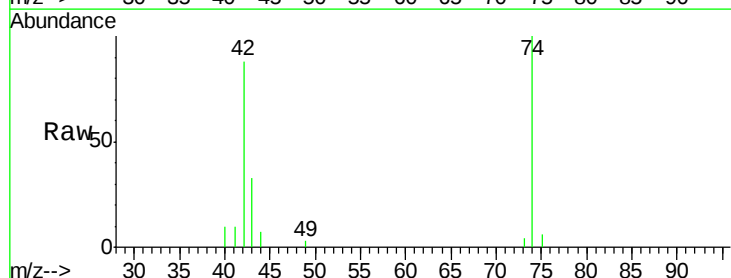
Tgt Ion: 42 Resp: 17554

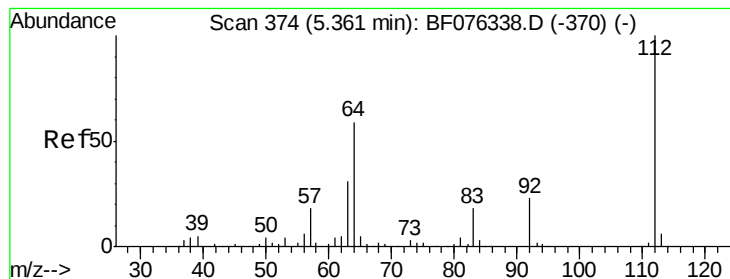
Ion Ratio Lower Upper

42 100

74 114.2 89.9 134.9

44 7.6 6.4 9.6





#5

2-Fluorophenol

Concen: 122.60 ng

RT: 4.89 min Scan# 333

Delta R.T. 0.01 min

Lab File: BF076736.D

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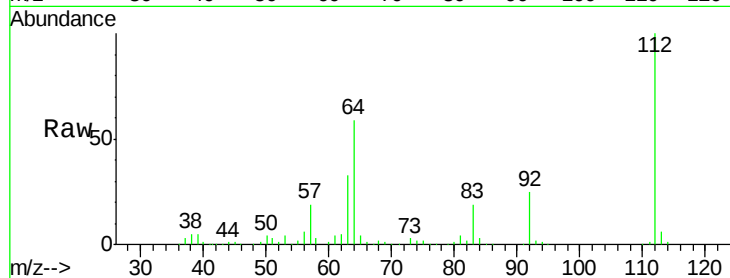
Tot Ion: 112 Resp: 312502

Ion Ratio Lower Upper

112 100

64 59.5 47.4 71.0

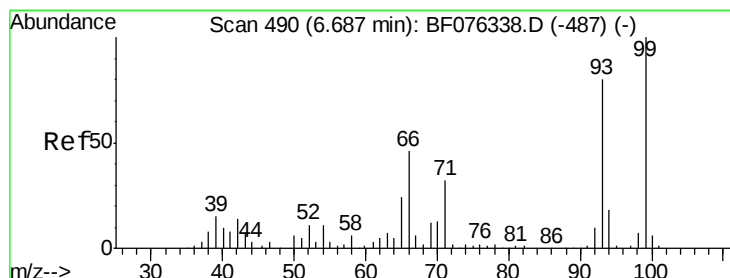
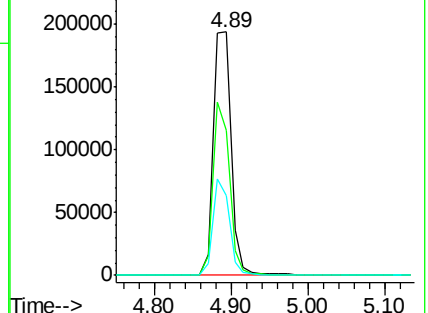
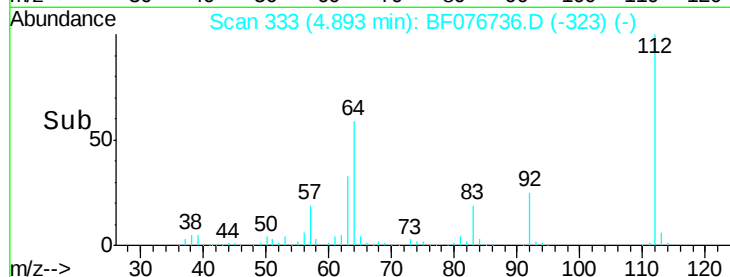
63 32.6 25.0 37.4



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: 12.21 ng

RT: 6.29 min Scan# 455

Delta R.T. 0.00 min

Lab File: BF076736.D

Acq: 2 Jan 2015 21:04

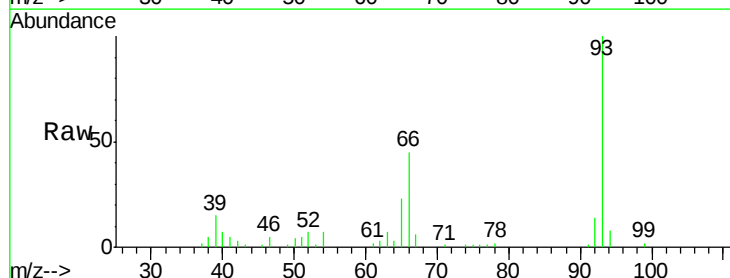
Tgt Ion: 93 Resp: 54264

Ion Ratio Lower Upper

93 100

66 45.3 45.7 68.5#

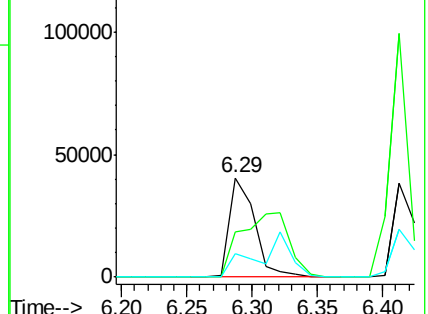
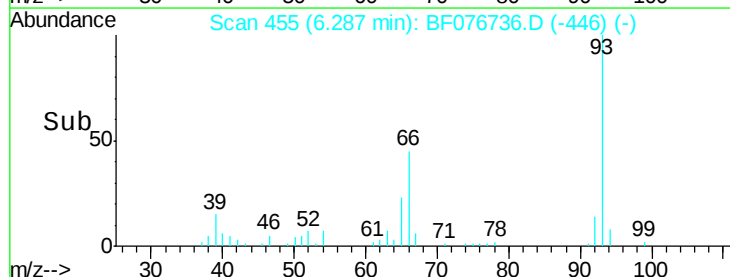
65 23.0 24.3 36.5#

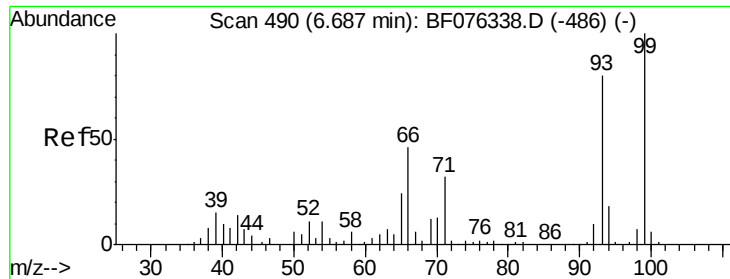


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 130.94 ng

RT: 6.31 min Scan# 457

Delta R.T. 0.00 min

Lab File: BF076736.D

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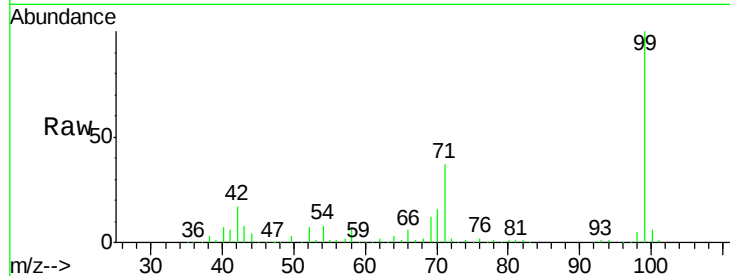
Tot Ion: 99 Resp: 407634

Ion Ratio Lower Upper

99 100

42 17.0 11.6 17.4

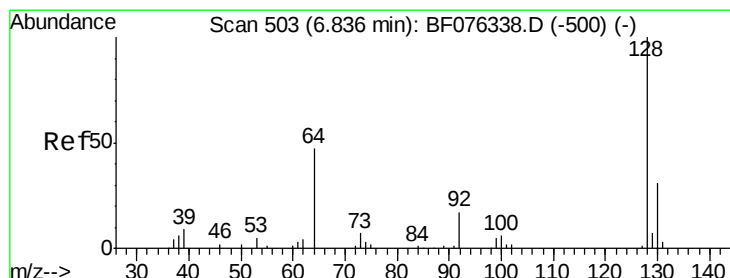
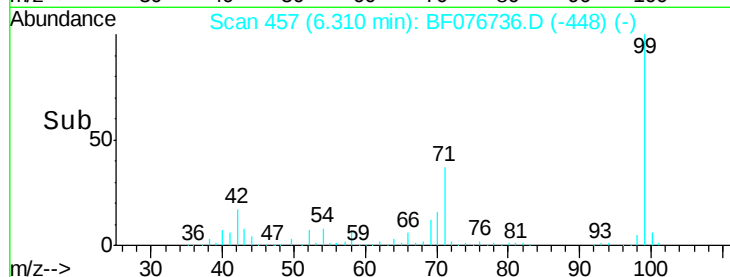
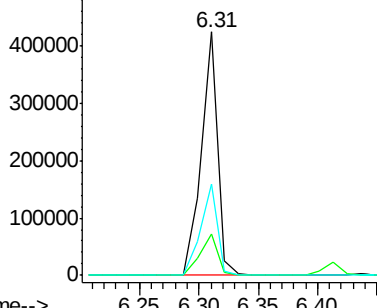
71 37.4 25.9 38.9



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 15.51 ng

RT: 6.44 min Scan# 468

Delta R.T. 0.00 min

Lab File: BF076736.D

Acq: 2 Jan 2015 21:04

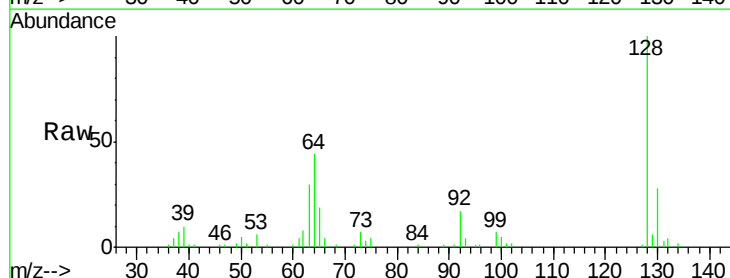
Tgt Ion: 128 Resp: 45271

Ion Ratio Lower Upper

128 100

130 28.3 11.3 51.3

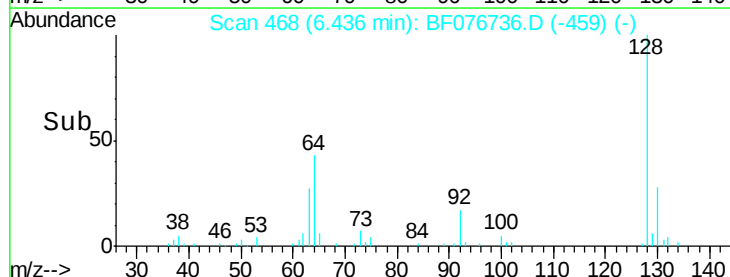
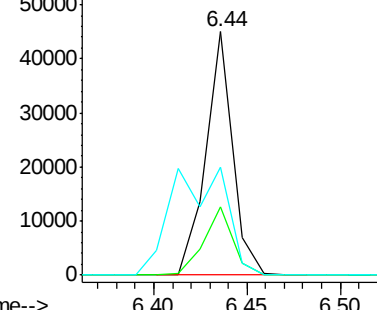
64 44.1 31.3 71.3

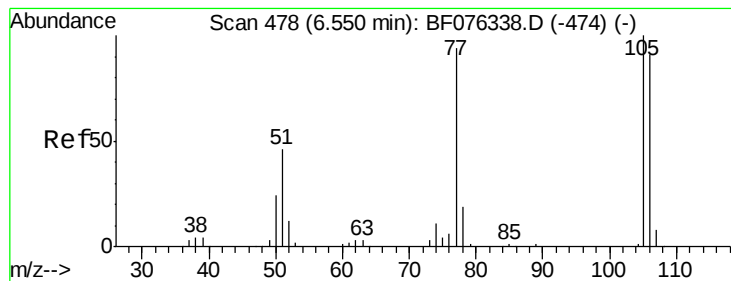


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 13.94 ng

RT: 6.14 min Scan# 442

Delta R.T. 0.00 min

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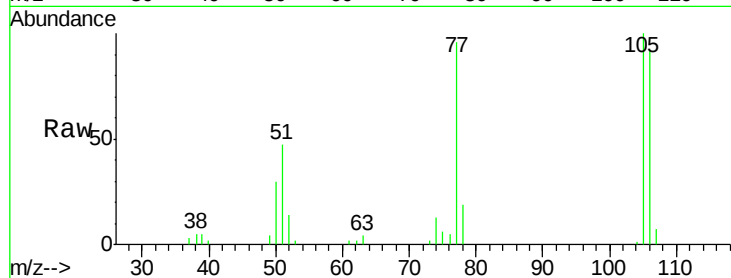
Tot Ion: 77 Resp: 33003

Ion Ratio Lower Upper

77 100

105 104.3 86.1 126.1

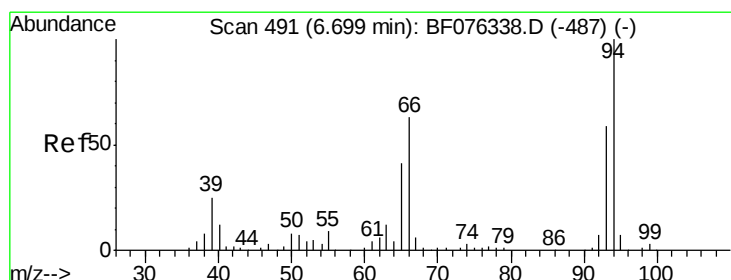
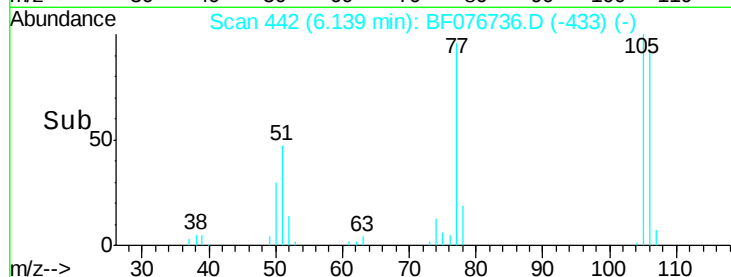
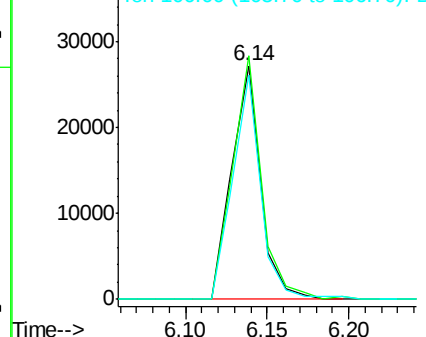
106 96.0 76.8 116.8



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 15.51 ng

RT: 6.32 min Scan# 458

Delta R.T. 0.00 min

Lab File: BF076736.D

Acq: 2 Jan 2015 21:04

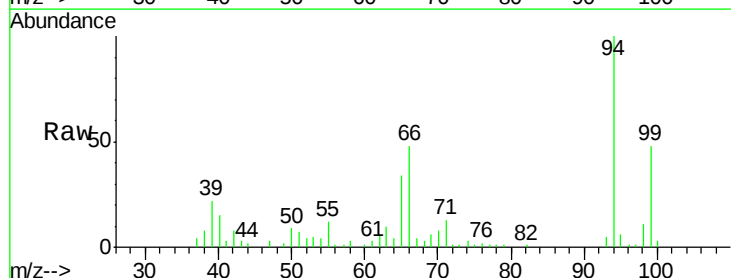
Tgt Ion: 94 Resp: 58604

Ion Ratio Lower Upper

94 100

65 34.0 21.5 61.5

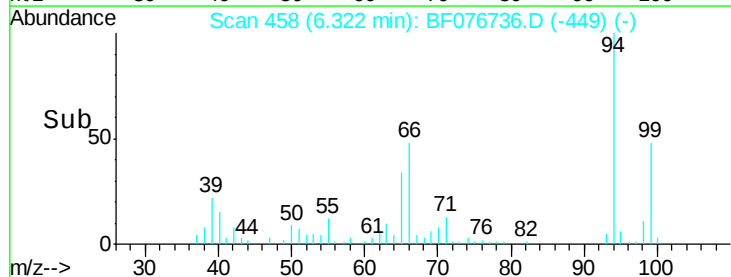
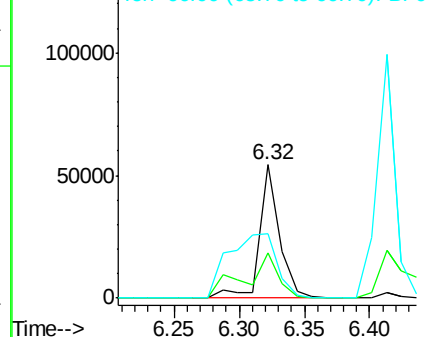
66 48.0 42.9 82.9

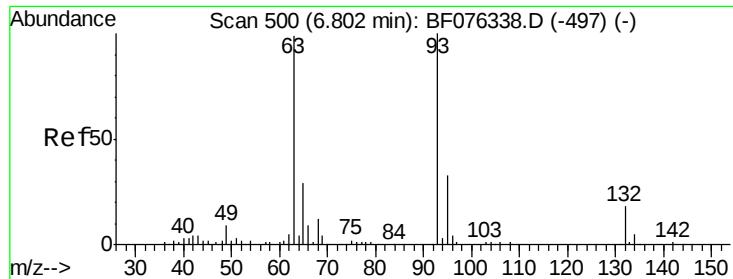


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 15.93 ng

RT: 6.41 min Scan# 466

Delta R.T. -0.01 min

Lab File: BF076736.D

Acq: 2 Jan 2015 21:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

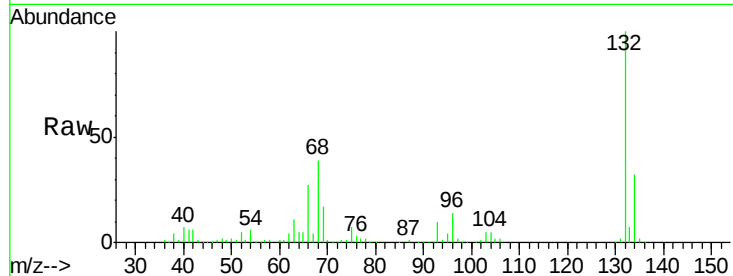
Tot Ion: 93 Resp: 43334

Ion Ratio Lower Upper

93 100

63 101.3 79.1 119.1

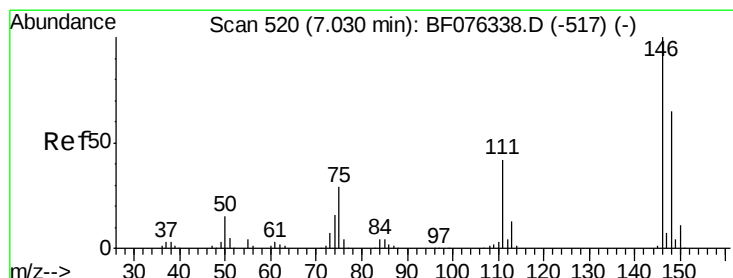
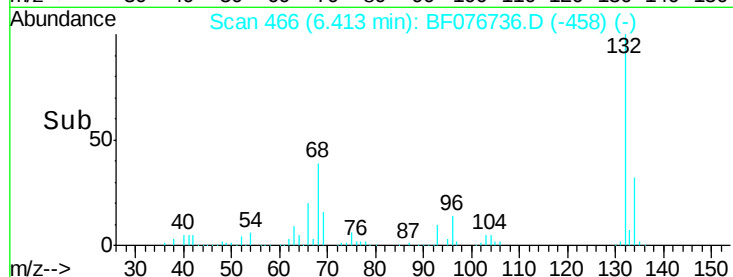
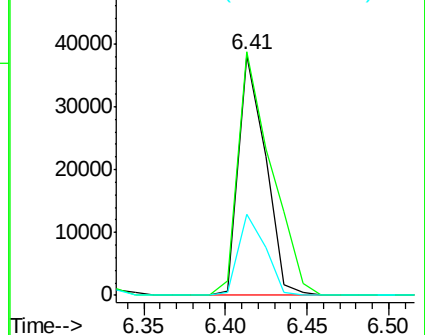
95 33.8 12.6 52.6



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0



#12

1,3-Dichlorobenzene

Concen: 14.15 ng

RT: 6.63 min Scan# 485

Delta R.T. 0.00 min

Lab File: BF076736.D

Acq: 2 Jan 2015 21:04

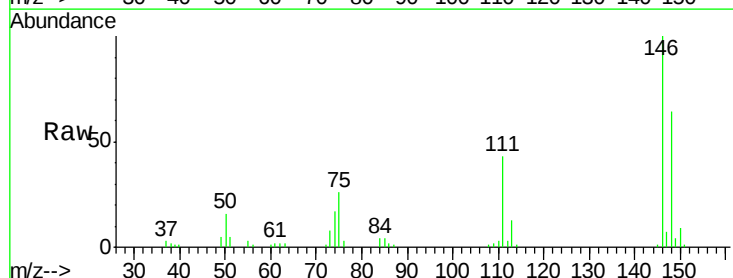
Tgt Ion: 146 Resp: 47948

Ion Ratio Lower Upper

146 100

148 63.7 52.2 78.2

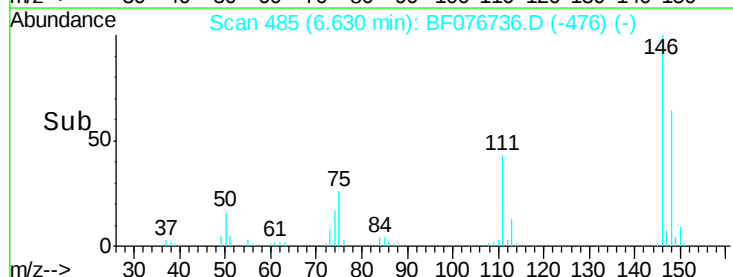
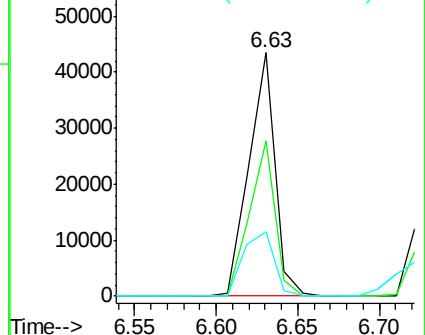
75 26.3 23.0 34.4

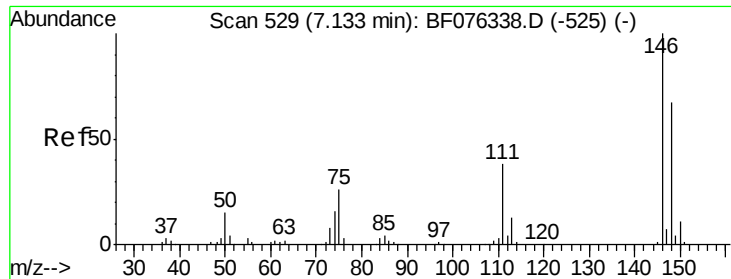


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0

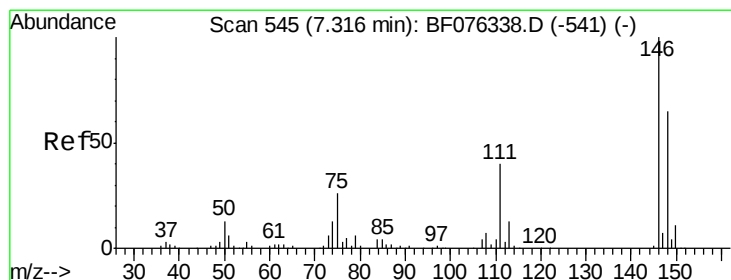
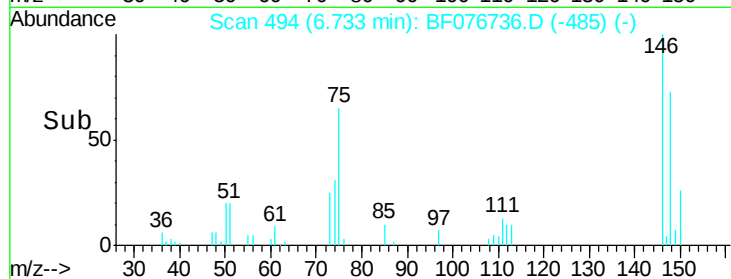
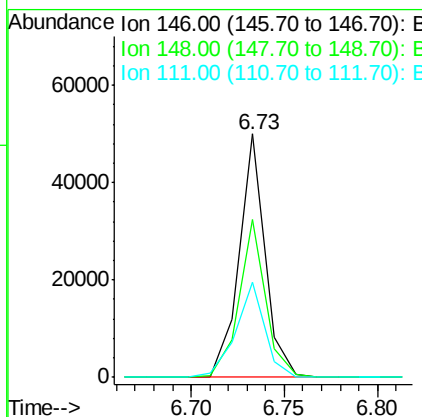
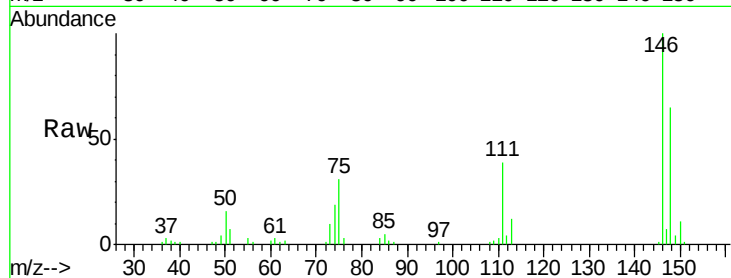




#13
 1,4-Dichlorobenzene
 Concen: 14.19 ng
 RT: 6.73 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: BF076736.D
 Acq: 2 Jan 2015 21:04

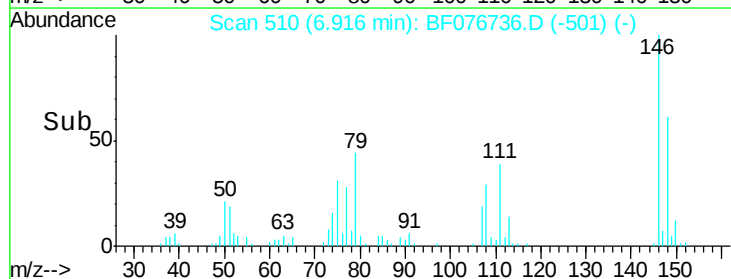
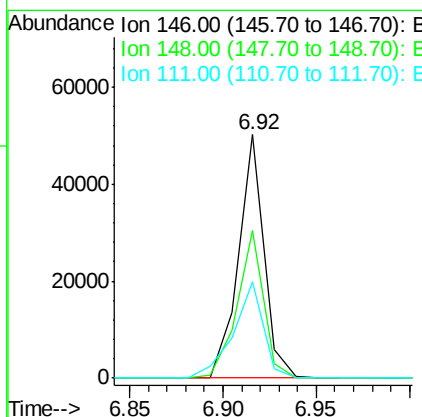
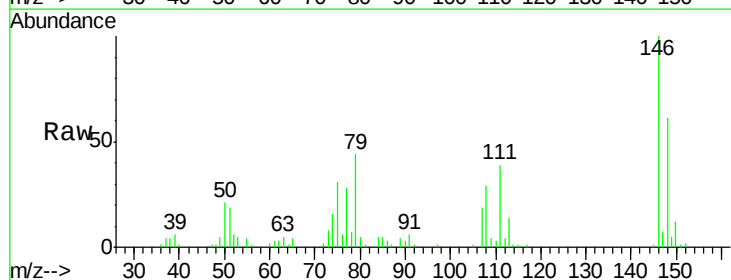
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

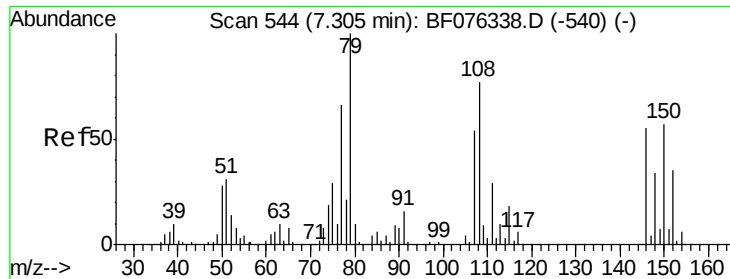
Tot Ion:146 Resp: 48688
 Ion Ratio Lower Upper
 146 100
 148 65.0 53.2 79.8
 111 39.2 30.7 46.1



#14
 1,2-Dichlorobenzene
 Concen: 14.82 ng
 RT: 6.92 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: BF076736.D
 Acq: 2 Jan 2015 21:04

Tgt Ion:146 Resp: 48238
 Ion Ratio Lower Upper
 146 100
 148 60.8 52.2 78.2
 111 39.4 32.2 48.2





#15

Benzyl Alcohol

Concen: 15.48 ng

RT: 6.93 min Scan# 511

Delta R.T. 0.00 min

Lab File: BF076736.D

Acq: 2 Jan 2015 21:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

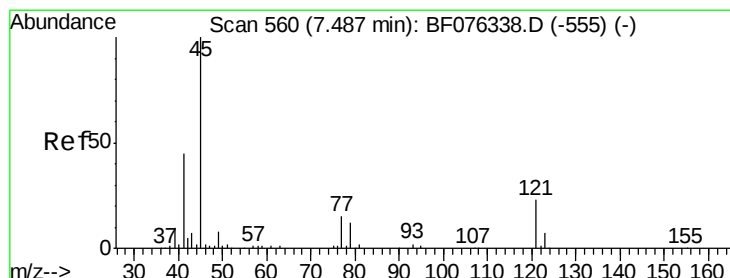
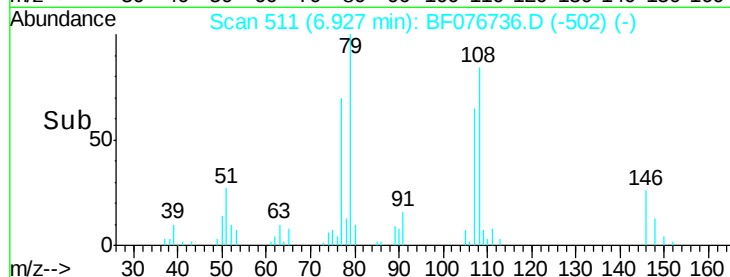
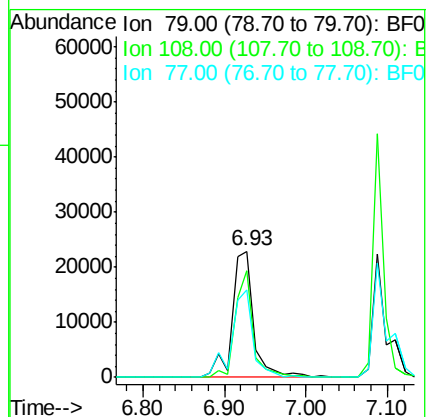
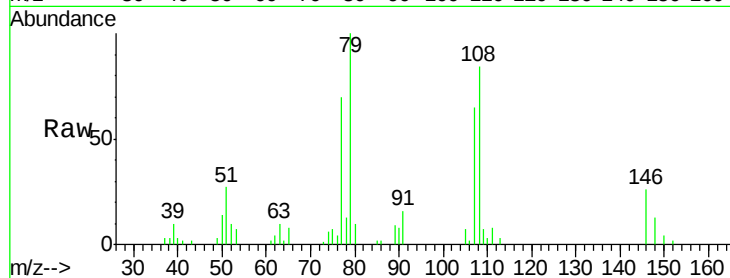
Tot Ion: 79 Resp: 41734

Ion Ratio Lower Upper

79 100

108 84.4 62.0 93.0

77 69.8 53.0 79.6



#16

2,2'-oxybis(1-Chloropropane)

Concen: 15.00 ng

RT: 7.11 min Scan# 527

Delta R.T. 0.00 min

Lab File: BF076736.D

Acq: 2 Jan 2015 21:04

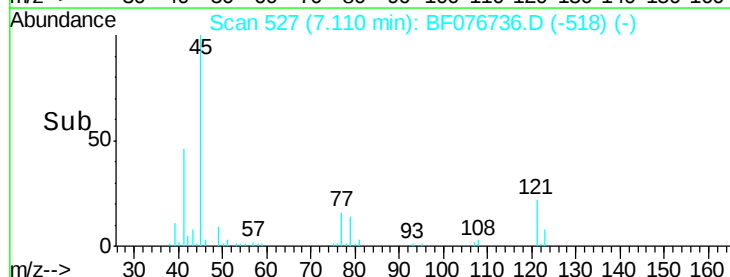
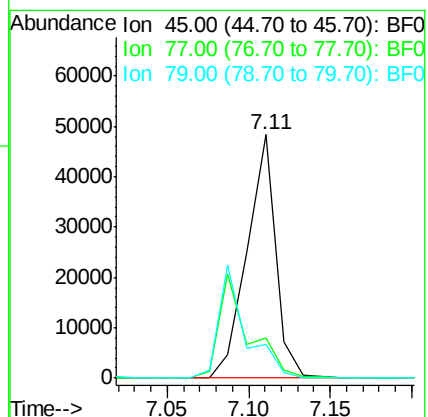
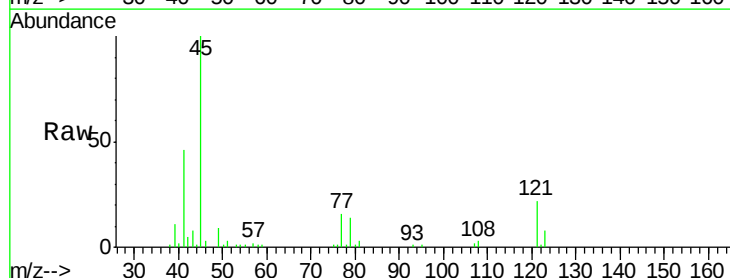
Tgt Ion: 45 Resp: 59116

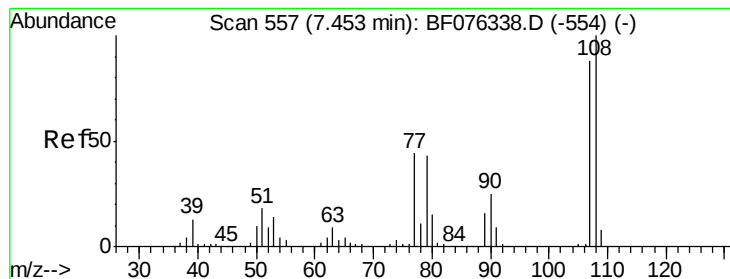
Ion Ratio Lower Upper

45 100

77 16.5 0.0 34.5

79 13.9 0.0 32.3

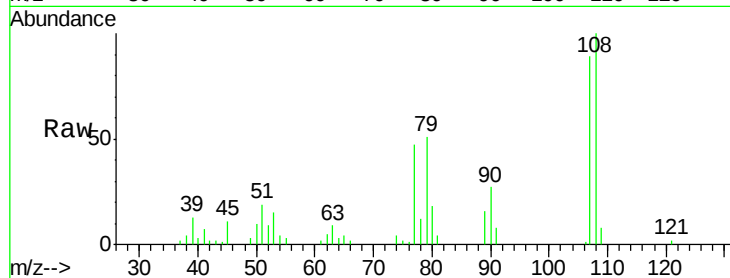




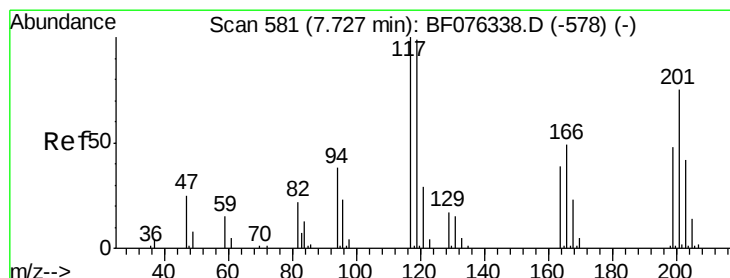
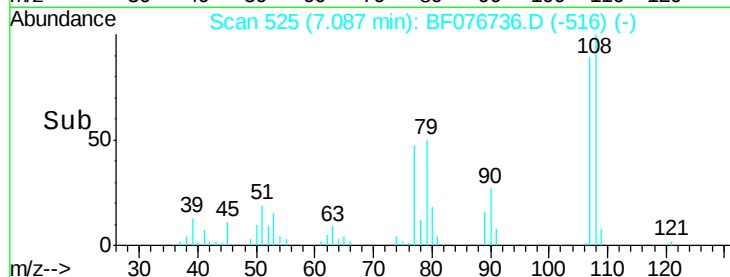
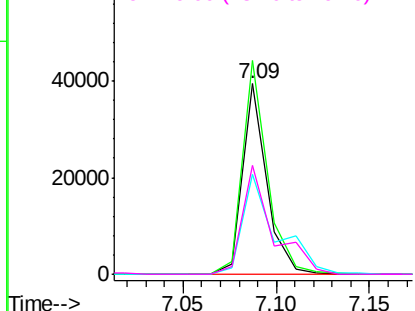
#17
2-Methylphenol
Concen: 14.80 ng
RT: 7.09 min Scan# 525
Delta R.T. 0.00 min
Lab File: BF076736.D
Acq: 2 Jan 2015 21:04

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tot Ion:107 Resp: 35490
Ion Ratio Lower Upper
107 100
108 112.3 90.6 135.8
77 52.7 40.1 60.1
79 57.0 38.6 57.8

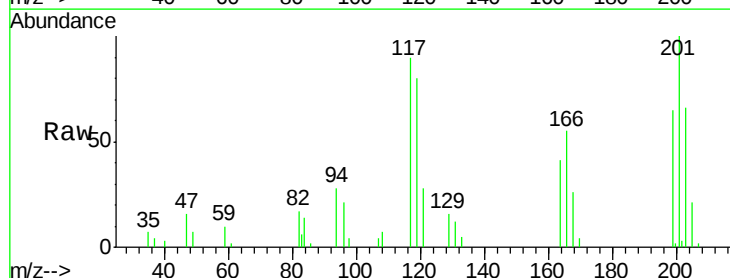


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

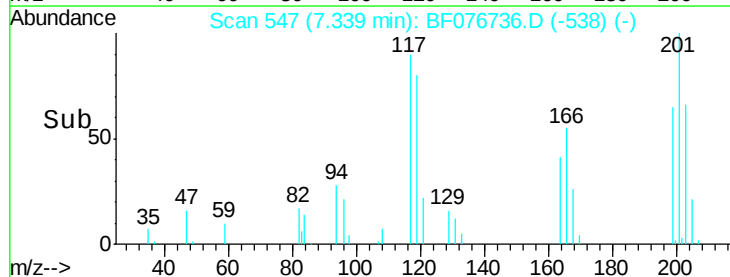
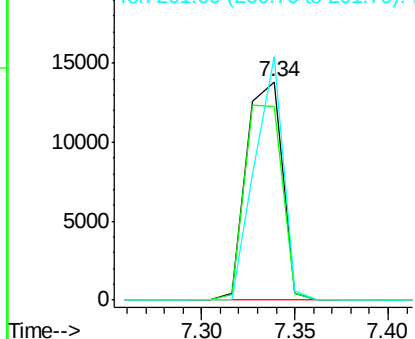


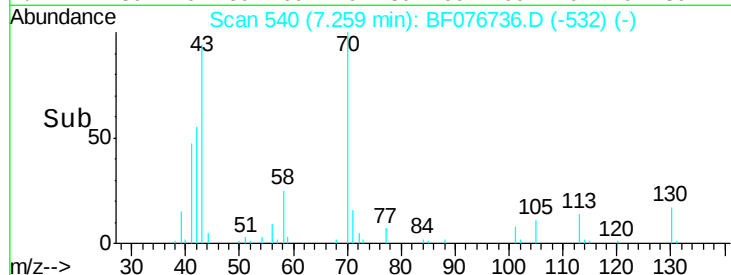
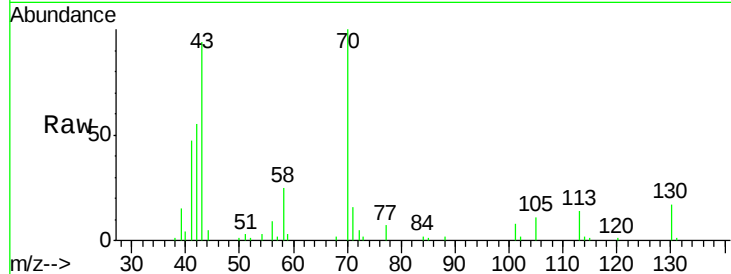
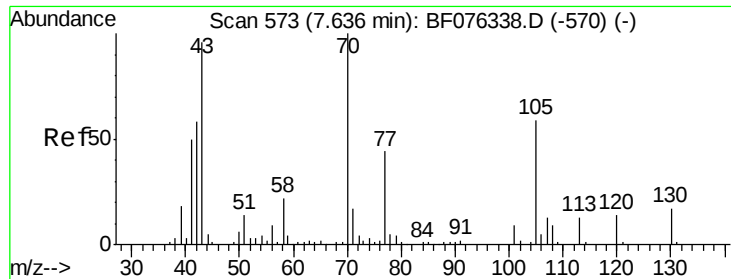
#18
Hexachloroethane
Concen: 15.24 ng
RT: 7.34 min Scan# 547
Delta R.T. 0.00 min
Lab File: BF076736.D
Acq: 2 Jan 2015 21:04

Tgt Ion:117 Resp: 18690
Ion Ratio Lower Upper
117 100
119 89.0 79.3 118.9
201 111.7 59.7 89.5#



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

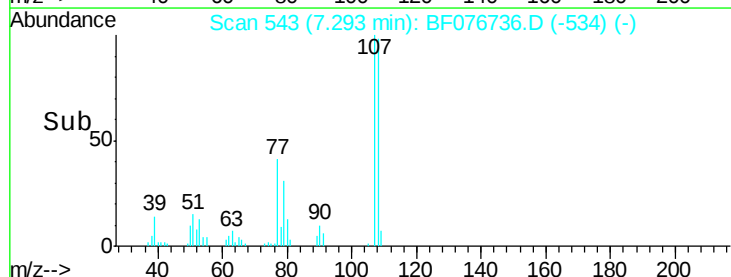
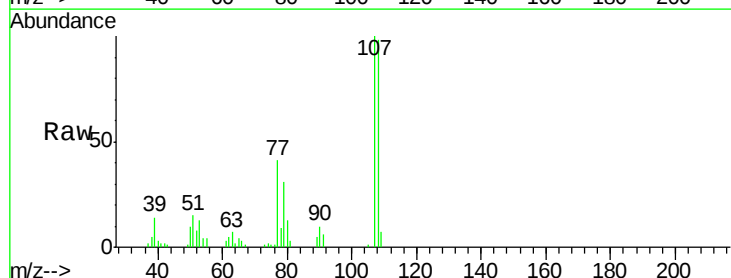
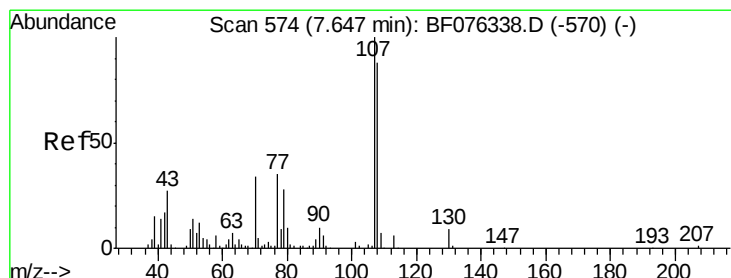
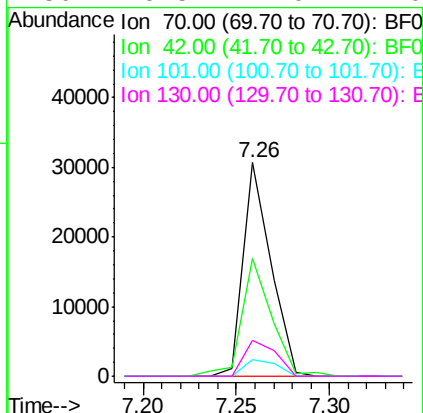




#19
n-Nitroso-di-n-propylamine
Concen: 13.92 ng
RT: 7.26 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF076736.D
Acq: 2 Jan 2015 21:04

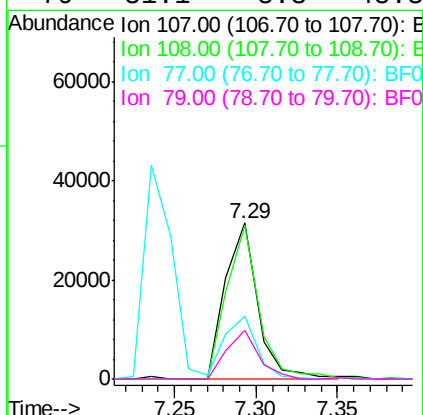
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

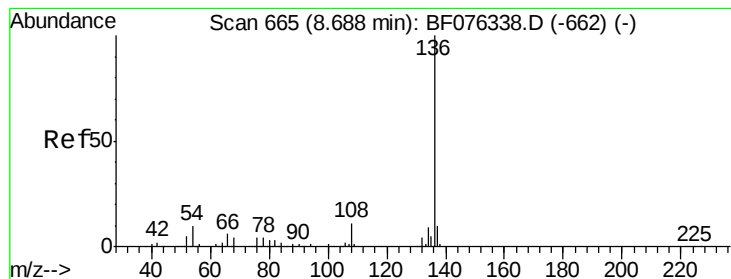
Tot Ion: 70 Resp: 31648
Ion Ratio Lower Upper
70 100
42 55.4 46.6 70.0
101 7.6 7.0 10.6
130 16.5 14.0 21.0



#20
3+4-Methylphenols
Concen: 13.54 ng
RT: 7.29 min Scan# 543
Delta R.T. 0.00 min
Lab File: BF076736.D
Acq: 2 Jan 2015 21:04

Tgt Ion: 107 Resp: 43841
Ion Ratio Lower Upper
107 100
108 98.3 67.5 107.5
77 40.7 15.2 55.2
79 31.1 8.3 48.3





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.30 min Scan# 631

Delta R.T. 0.00 min

Lab File: BF076736.D

Acq: 2 Jan 2015 21:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

Tot Ion:136 Resp: 173849

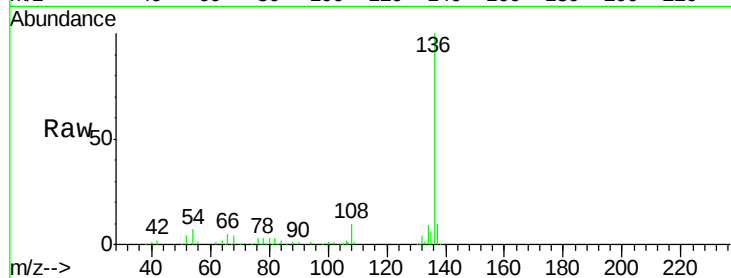
Ion Ratio Lower Upper

136 100

137 10.4 8.4 12.6

54 7.3 7.8 11.6#

68 4.2 3.4 5.2

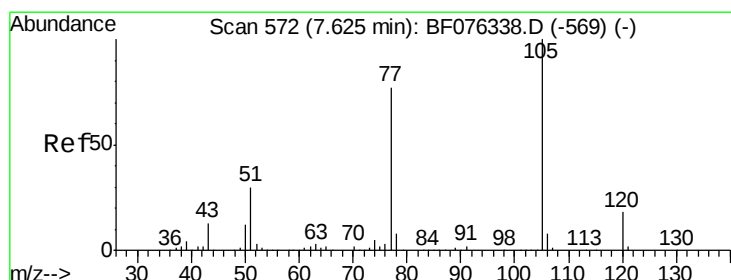
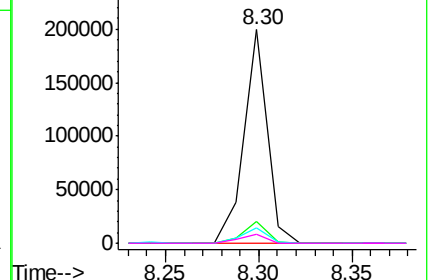
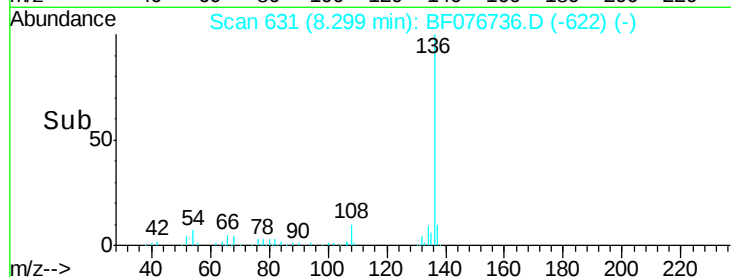


Abundance Ion 136.00 (135.70 to 136.70): E

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: 16.26 ng

RT: 7.24 min Scan# 538

Delta R.T. -0.01 min

Lab File: BF076736.D

Acq: 2 Jan 2015 21:04

Tgt Ion:105 Resp: 67757

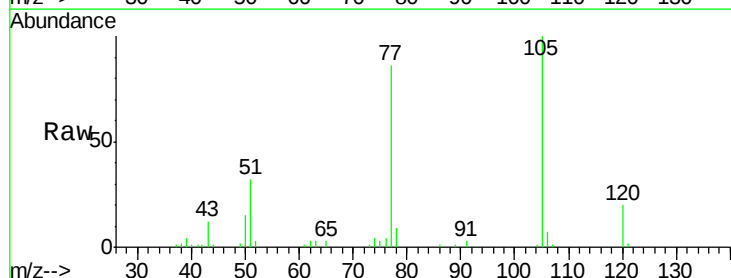
Ion Ratio Lower Upper

105 100

71 0.0 0.3 0.5#

51 32.4 23.8 35.8

120 20.2 14.6 22.0

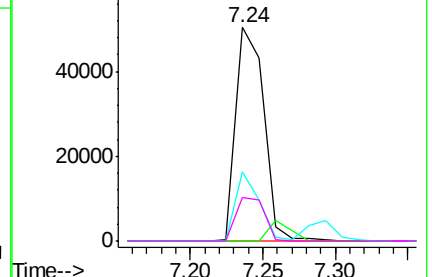
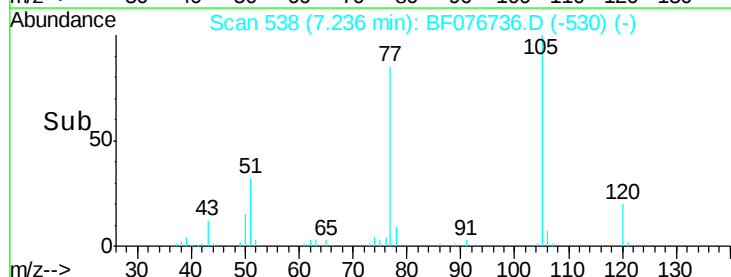


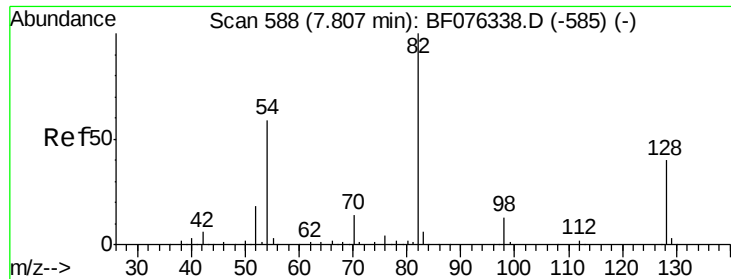
Abundance Ion 105.00 (104.70 to 105.70): E

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

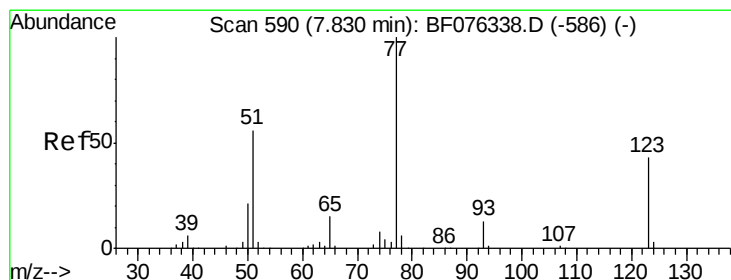
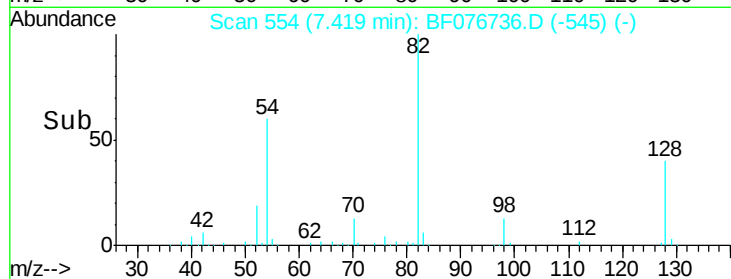
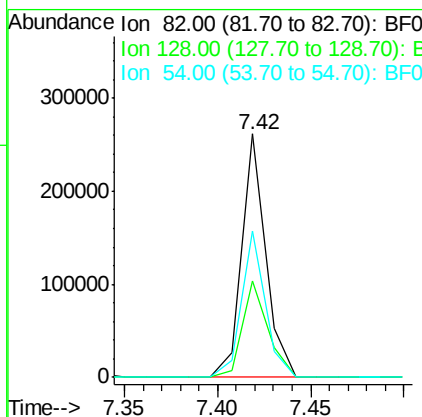
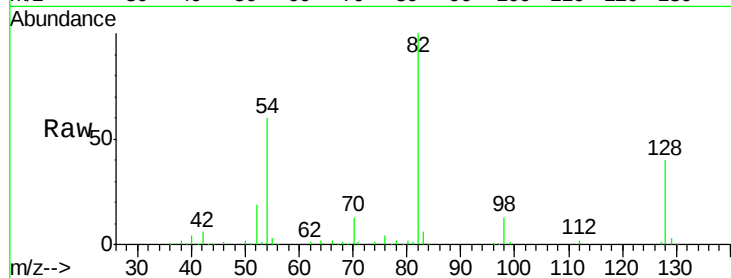




#23
 Nitrobenzene-d5
 Concen: 80.44 ng
 RT: 7.42 min Scan# 554
 Delta R.T. 0.00 min
 Lab File: BF076736.D
 Acq: 2 Jan 2015 21:04

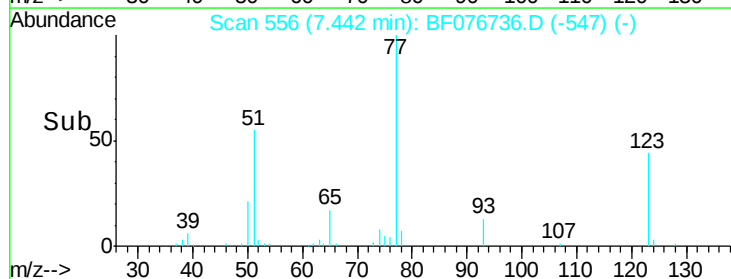
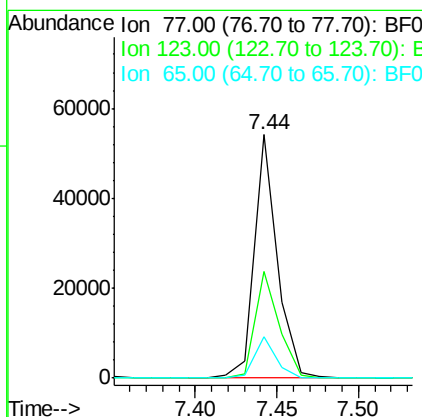
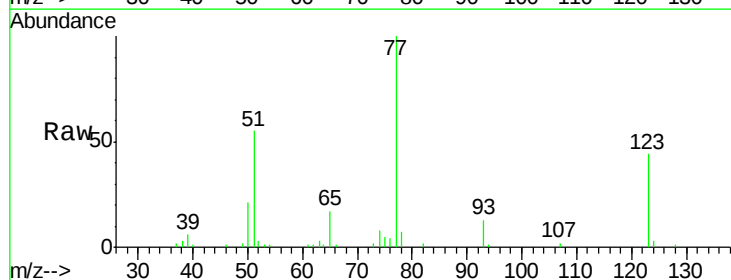
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

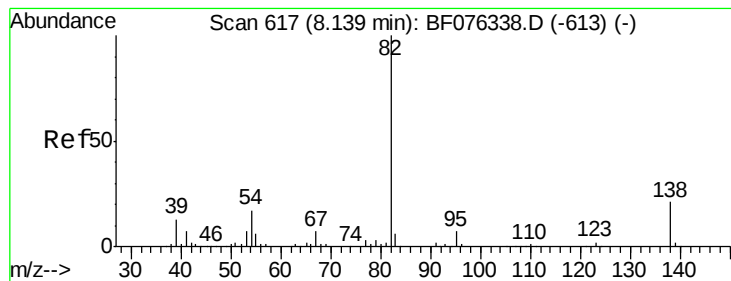
Tot Ion: 82 Resp: 235129
 Ion Ratio Lower Upper
 82 100
 128 39.8 31.9 47.9
 54 60.1 47.2 70.8



#24
 Nitrobenzene
 Concen: 17.43 ng
 RT: 7.44 min Scan# 556
 Delta R.T. 0.00 min
 Lab File: BF076736.D
 Acq: 2 Jan 2015 21:04

Tgt Ion: 77 Resp: 52823
 Ion Ratio Lower Upper
 77 100
 123 43.6 34.3 51.5
 65 17.0 12.2 18.2





#25

Isophorone

Concen: 16.51 ng

RT: 7.75 min Scan# 583

Delta R.T. -0.01 min

Lab File: BF076736.D

Acq: 2 Jan 2015 21:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

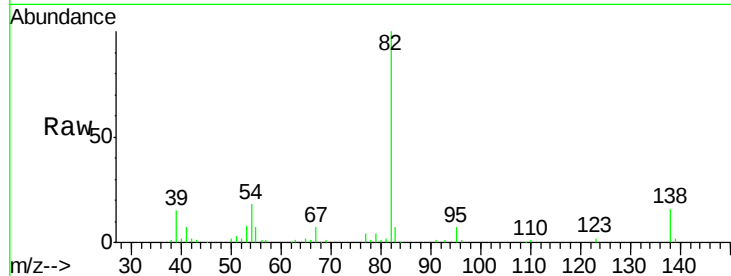
Tot Ion: 82 Resp: 92996

Ion Ratio Lower Upper

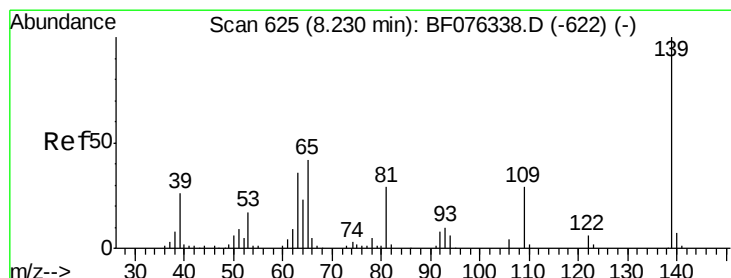
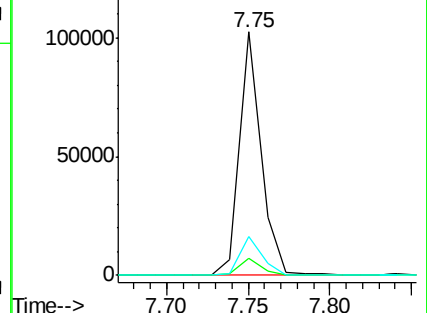
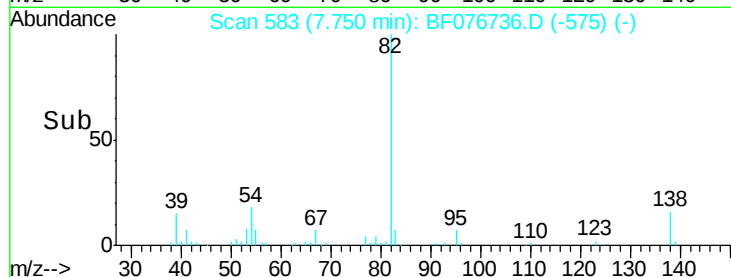
82 100

95 7.1 5.9 8.9

138 15.9 16.6 25.0#



Abundance Ion 82.00 (81.70 to 82.70): BF076736.D (-575) (-)



#26

2-Nitrophenol

Concen: 15.22 ng

RT: 7.84 min Scan# 591

Delta R.T. 0.00 min

Lab File: BF076736.D

Acq: 2 Jan 2015 21:04

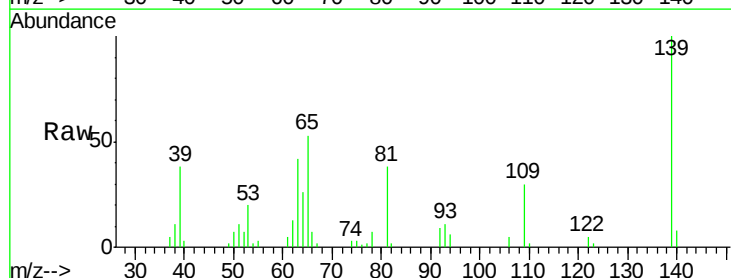
Tgt Ion: 139 Resp: 22532

Ion Ratio Lower Upper

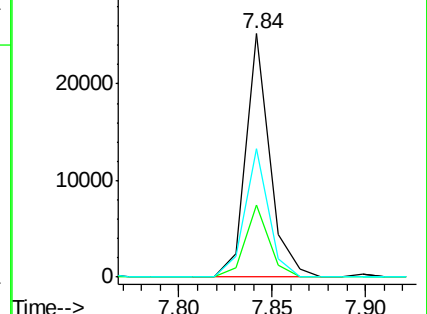
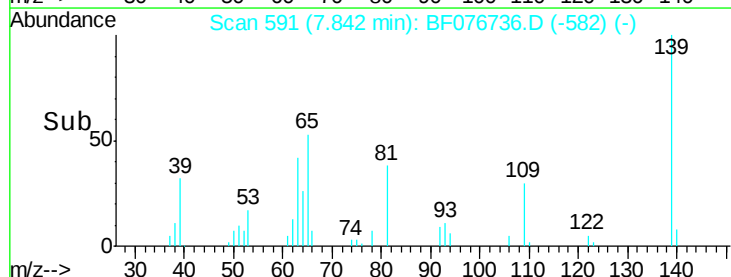
139 100

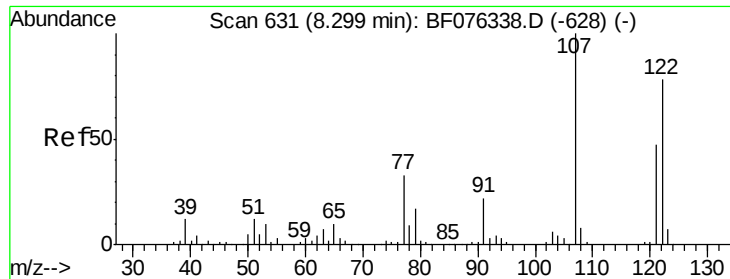
109 29.8 22.9 34.3

65 52.6 33.3 49.9#



Abundance Ion 139.00 (138.70 to 139.70): BF076736.D (-582) (-)

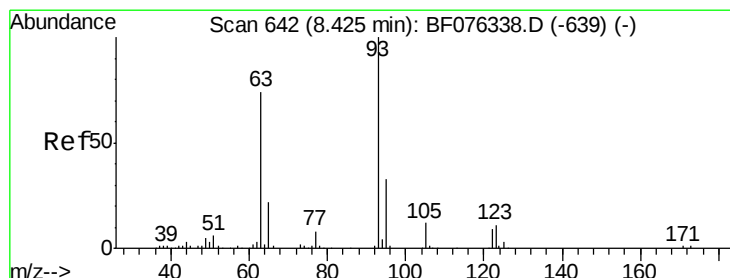
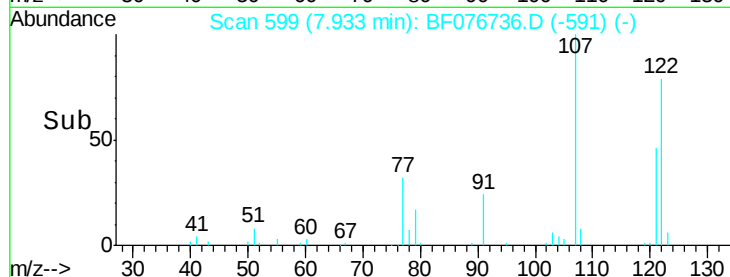
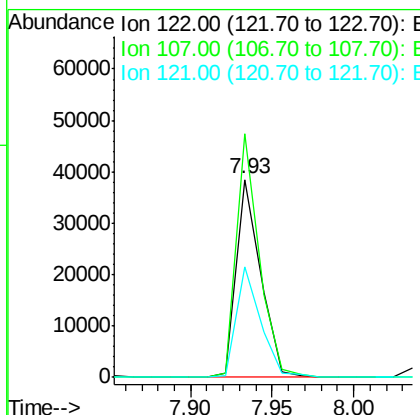
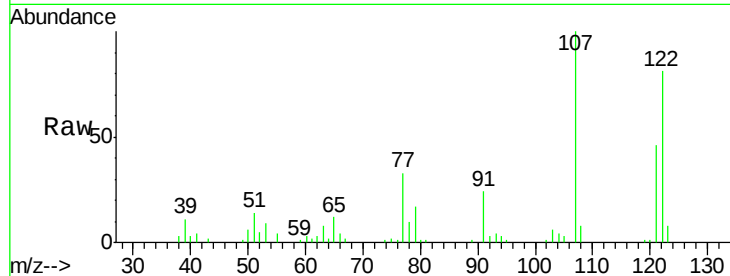




#27
 2,4-Dimethylphenol
 Concen: 16.38 ng
 RT: 7.93 min Scan# 599
 Delta R.T. -0.01 min
 Lab File: BF076736.D
 Acq: 2 Jan 2015 21:04

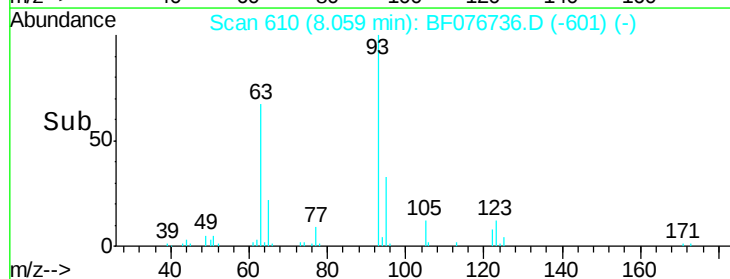
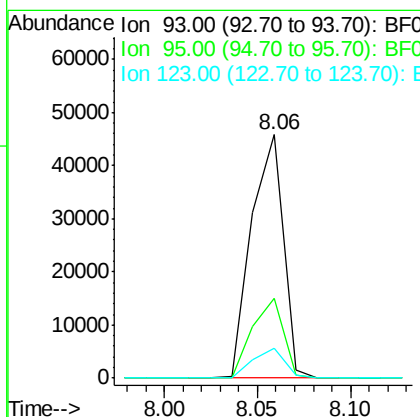
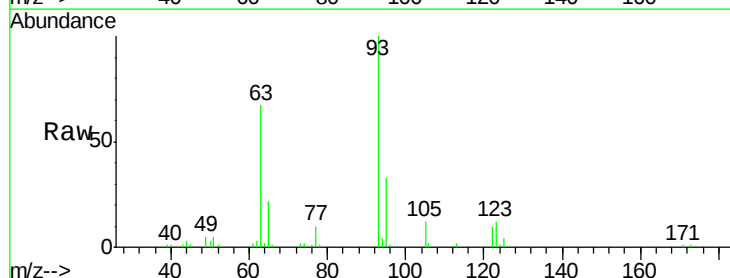
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

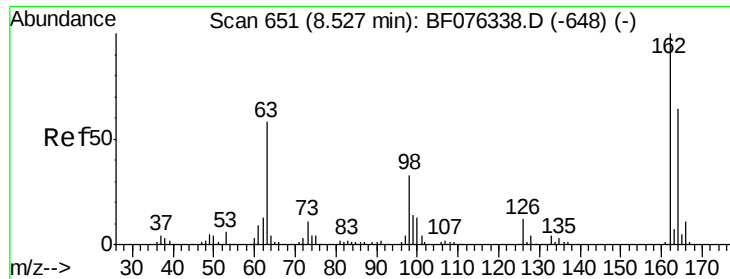
Tot Ion:122 Resp: 39242
 Ion Ratio Lower Upper
 122 100
 107 123.1 102.5 153.7
 121 56.0 47.8 71.8



#28
 bis(2-Chloroethoxy)methane
 Concen: 16.39 ng
 RT: 8.06 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: BF076736.D
 Acq: 2 Jan 2015 21:04

Tgt Ion: 93 Resp: 54205
 Ion Ratio Lower Upper
 93 100
 95 32.9 26.2 39.2
 123 12.4 9.1 13.7

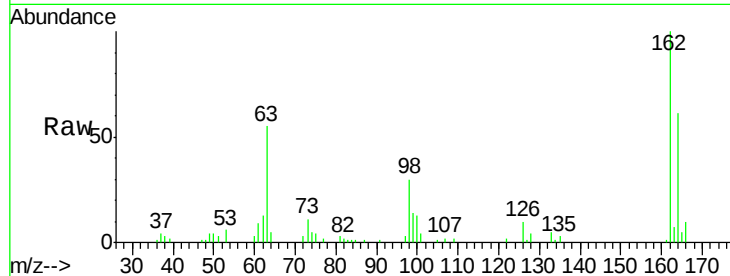




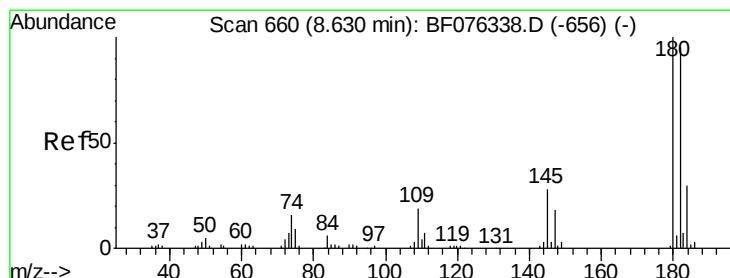
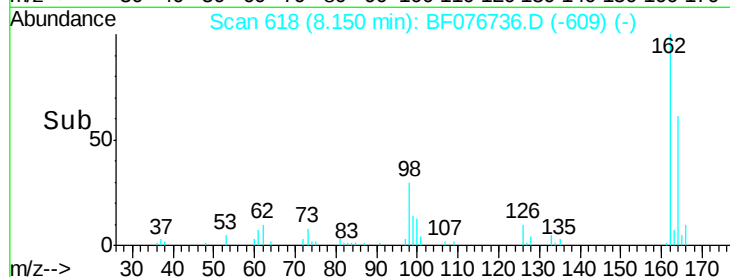
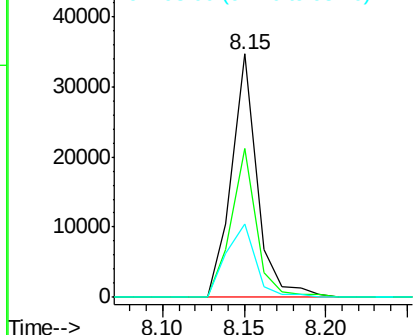
#29
 2,4-Dichlorophenol
 Concen: 16.04 ng
 RT: 8.15 min Scan# 618
 Delta R.T. 0.00 min
 Lab File: BF076736.D
 Acq: 2 Jan 2015 21:04

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Tot Ion:162 Resp: 37769
 Ion Ratio Lower Upper
 162 100
 164 61.3 44.0 84.0
 98 29.9 13.4 53.4

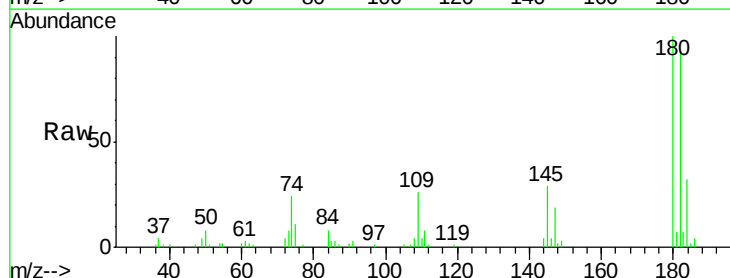


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

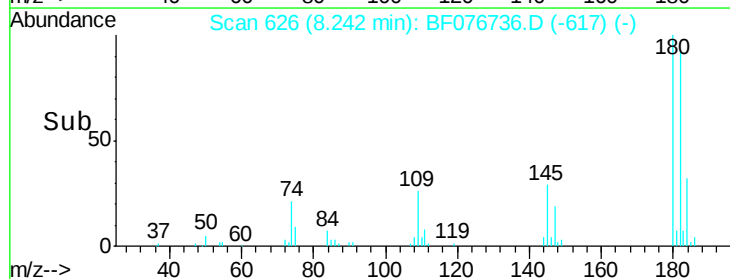
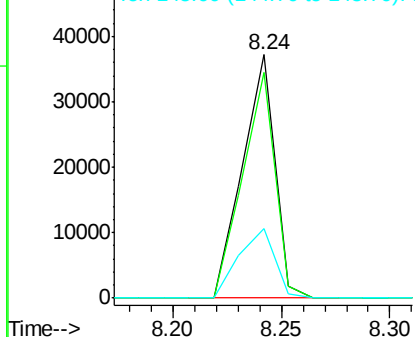


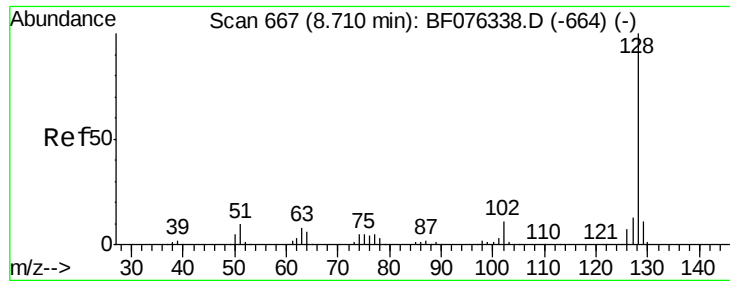
#30
 1,2,4-Trichlorobenzene
 Concen: 15.17 ng
 RT: 8.24 min Scan# 626
 Delta R.T. 0.00 min
 Lab File: BF076736.D
 Acq: 2 Jan 2015 21:04

Tgt Ion:180 Resp: 38516
 Ion Ratio Lower Upper
 180 100
 182 92.8 75.8 113.6
 145 28.7 22.4 33.6



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

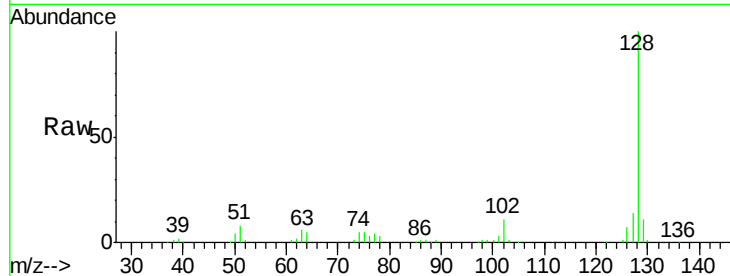




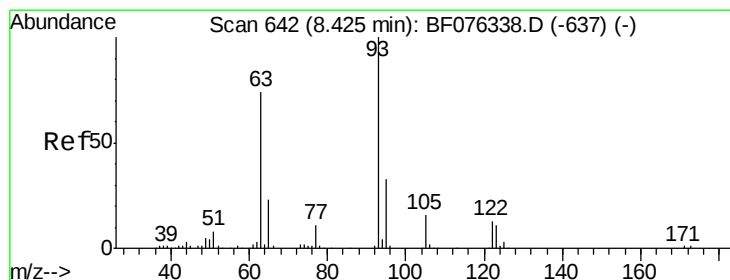
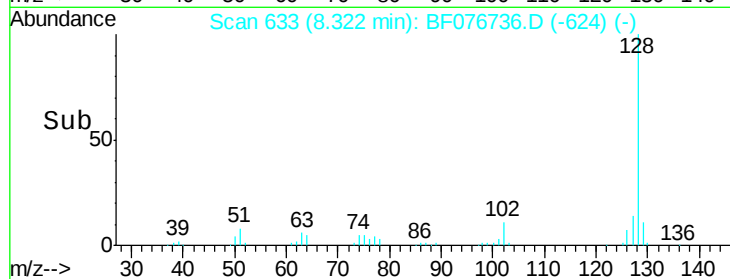
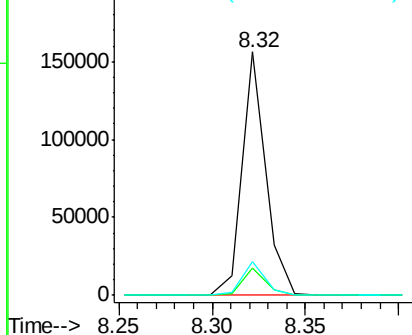
#31
Naphthalene
Concen: 16.11 ng
RT: 8.32 min Scan# 633
Delta R.T. 0.00 min
Lab File: BF076736.D
Acq: 2 Jan 2015 21:04

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tot Ion:128 Resp: 138763
Ion Ratio Lower Upper
128 100
129 11.2 9.1 13.7
127 13.6 10.2 15.2

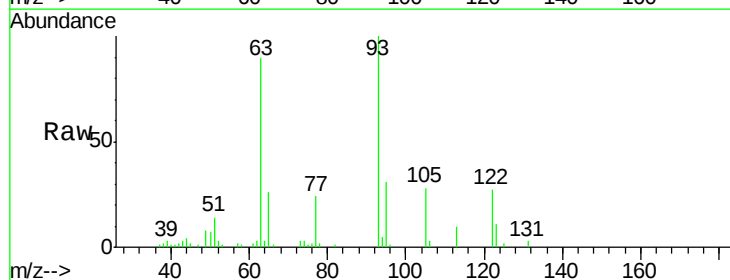


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

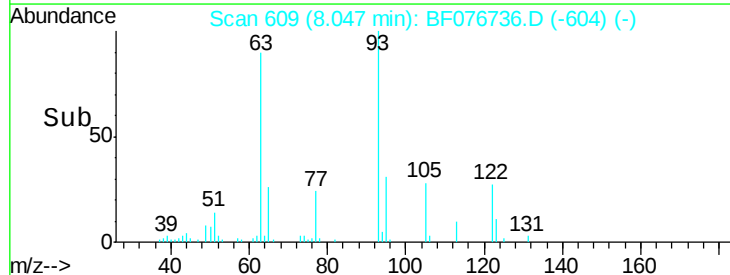
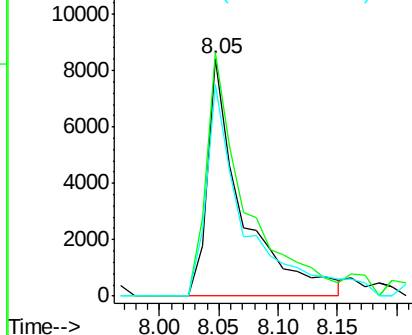


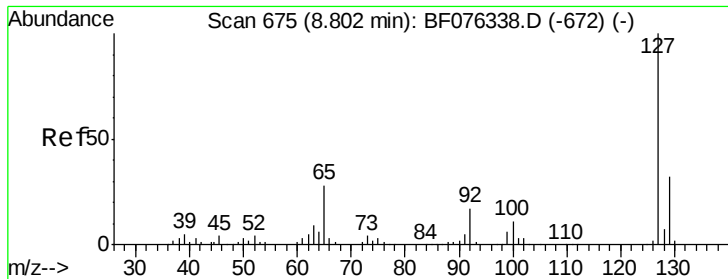
#32
Benzoic acid
Concen: 15.60 ng
RT: 8.05 min Scan# 609
Delta R.T. -0.05 min
Lab File: BF076736.D
Acq: 2 Jan 2015 21:04

Tgt Ion:122 Resp: 17146
Ion Ratio Lower Upper
122 100
105 102.6 110.2 150.2#
77 89.2 70.7 110.7



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

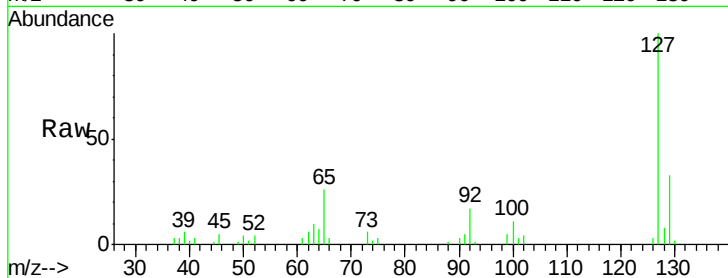




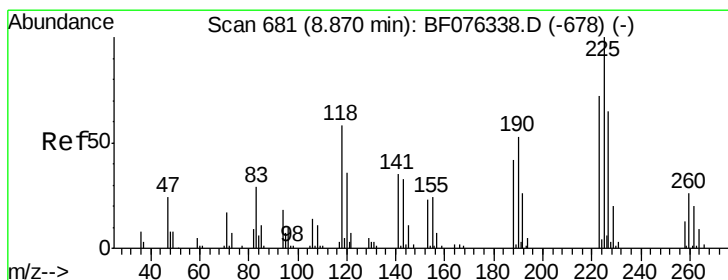
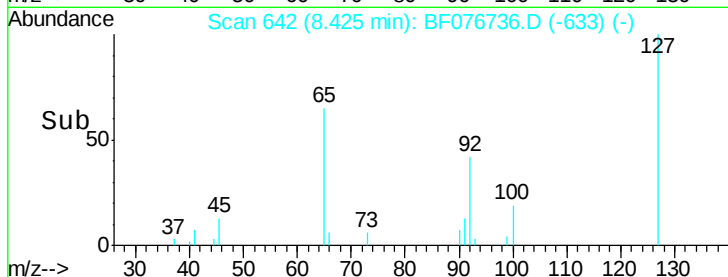
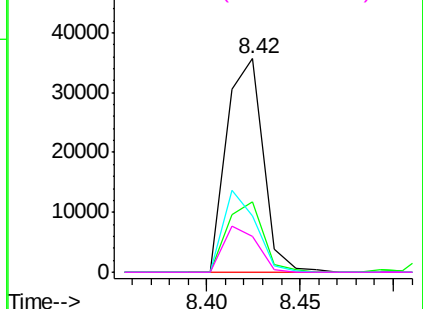
#33
4-Chloroaniline
Concen: 13.88 ng
RT: 8.42 min Scan# 642
Delta R.T. 0.00 min
Lab File: BF076736.D
Acq: 2 Jan 2015 21:04

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tot Ion:	127	Resp:	48787
Ion	Ratio	Lower	Upper
127	100		
129	32.7	25.6	38.4
65	26.2	22.1	33.1
92	16.9	13.6	20.4

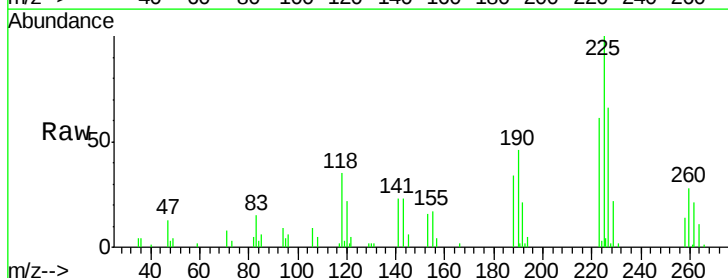


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

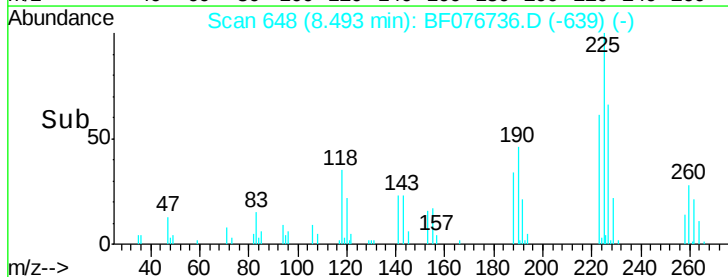
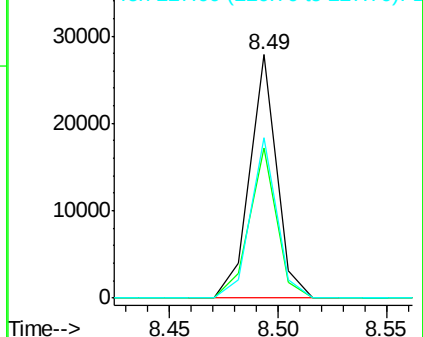


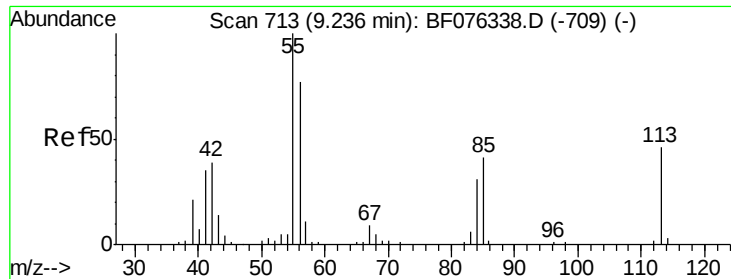
#34
Hexachlorobutadiene
Concen: 16.24 ng
RT: 8.49 min Scan# 648
Delta R.T. 0.00 min
Lab File: BF076736.D
Acq: 2 Jan 2015 21:04

Tgt Ion:	225	Resp:	23969
Ion	Ratio	Lower	Upper
225	100		
223	61.4	57.3	85.9
227	66.1	52.3	78.5



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

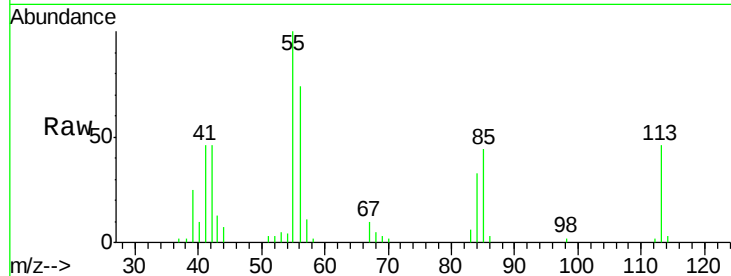




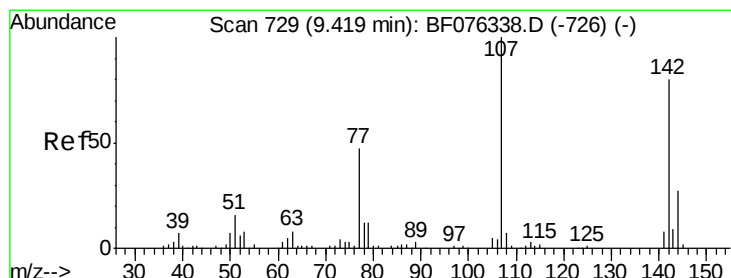
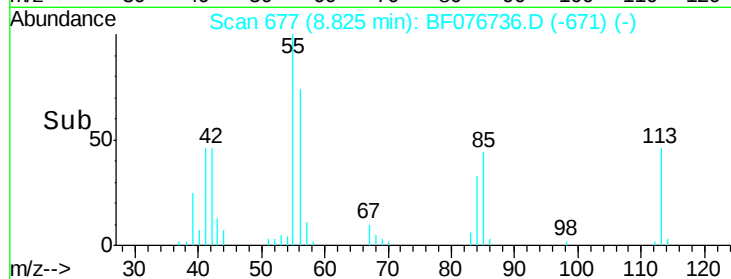
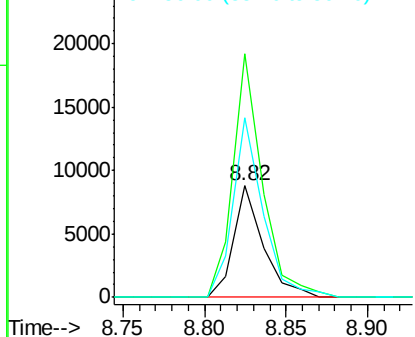
#35
Caprolactam
Concen: 16.17 ng
RT: 8.82 min Scan# 677
Delta R.T. -0.03 min
Lab File: BF076736.D
Acq: 2 Jan 2015 21:04

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tot Ion:113 Resp: 10981
Ion Ratio Lower Upper
113 100
55 218.7 199.5 239.5
56 161.5 148.4 188.4

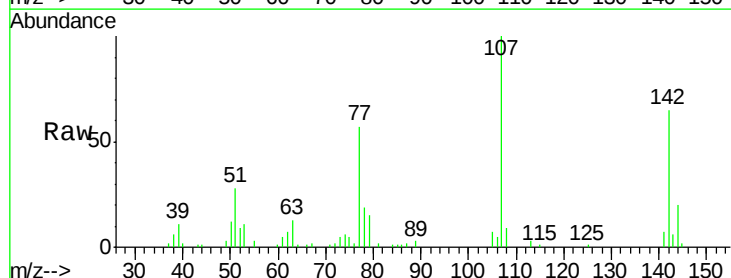


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF0
Ion 56.00 (55.70 to 56.70): BF0

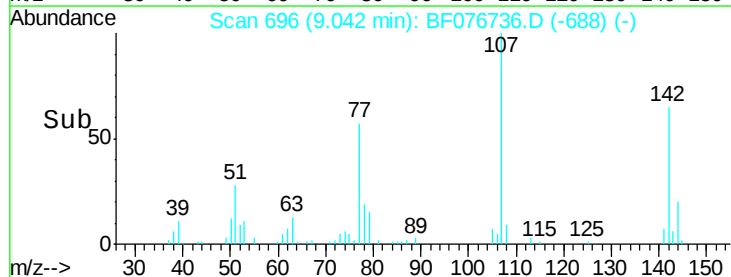
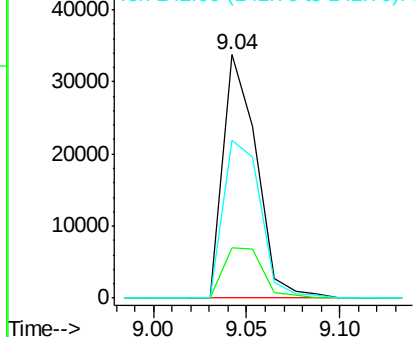


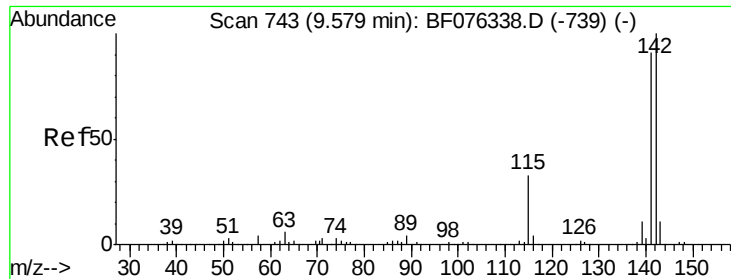
#36
4-Chloro-3-methylphenol
Concen: 16.16 ng
RT: 9.04 min Scan# 696
Delta R.T. -0.01 min
Lab File: BF076736.D
Acq: 2 Jan 2015 21:04

Tgt Ion:107 Resp: 42340
Ion Ratio Lower Upper
107 100
144 20.5 21.8 32.6#
142 64.8 64.4 96.6



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E

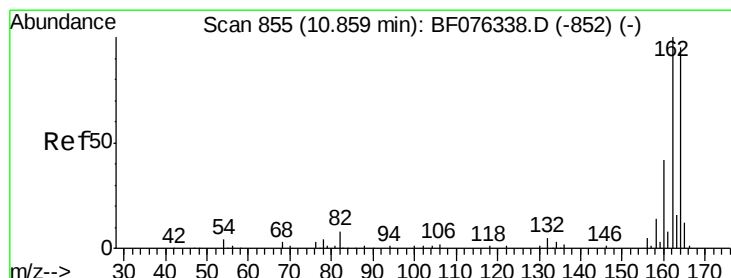
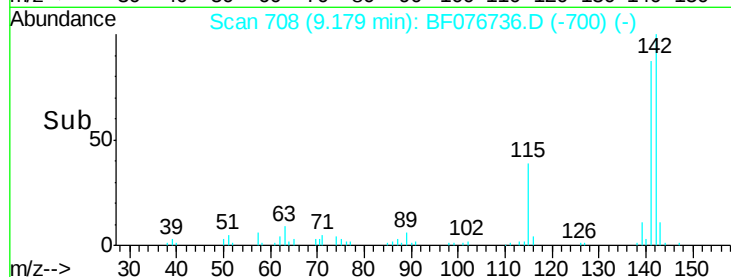
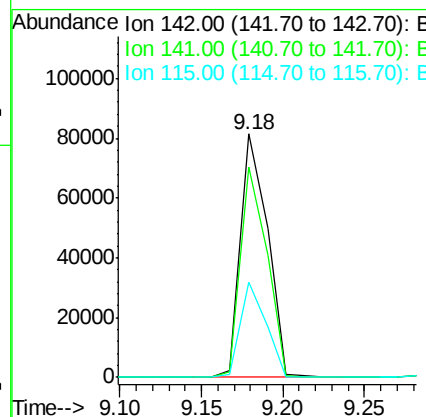
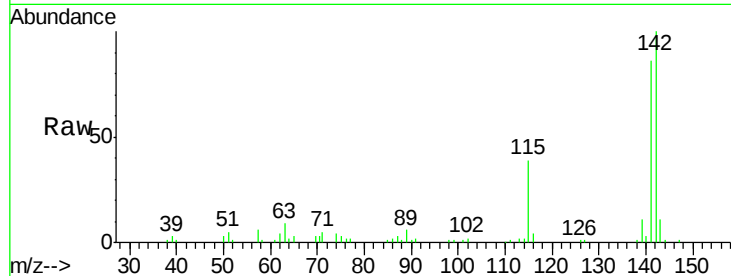




#37
2-Methylnaphthalene
Concen: 15.36 ng
RT: 9.18 min Scan# 708
Delta R.T. -0.01 min
Lab File: BF076736.D
Acq: 2 Jan 2015 21:04

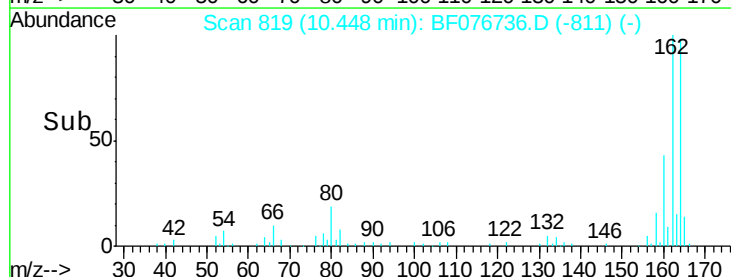
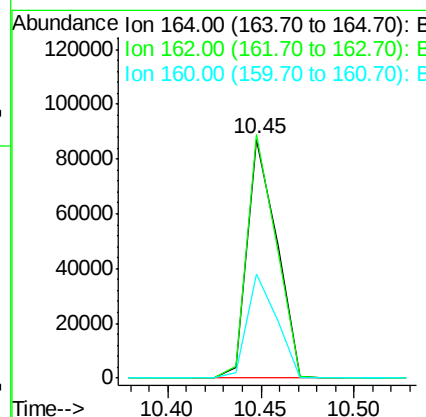
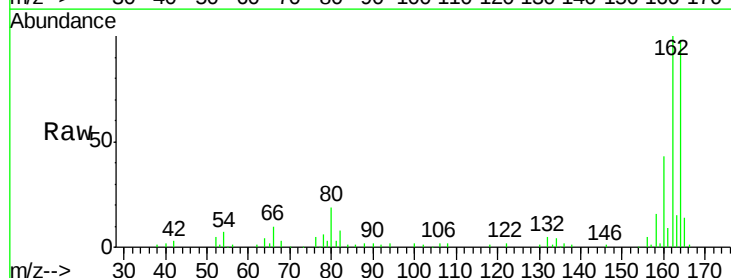
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

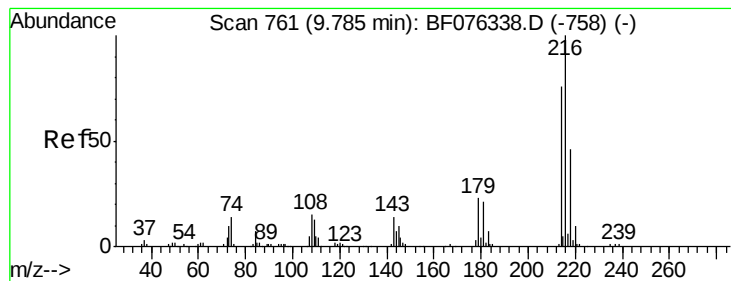
Tot Ion:142 Resp: 92305
Ion Ratio Lower Upper
142 100
141 86.3 72.4 108.6
115 39.3 26.5 39.7



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.45 min Scan# 819
Delta R.T. -0.01 min
Lab File: BF076736.D
Acq: 2 Jan 2015 21:04

Tgt Ion:164 Resp: 95995
Ion Ratio Lower Upper
164 100
162 102.0 84.2 126.2
160 43.6 35.5 53.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 15.80 ng

RT: 9.38 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF076736.D

Acq: 2 Jan 2015 21:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

Tot Ion:216 Resp: 37298

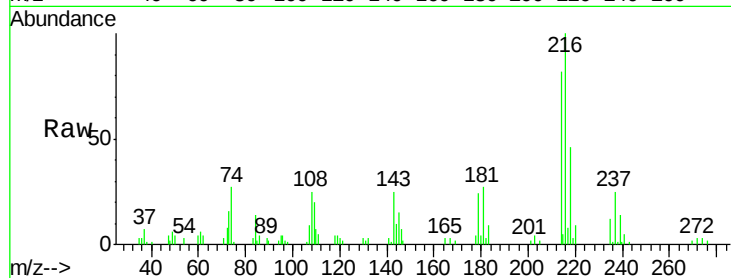
Ion Ratio Lower Upper

216 100

214 81.0 48.7 73.1#

179 23.1 14.5 21.7#

108 21.2 0.0 0.0#

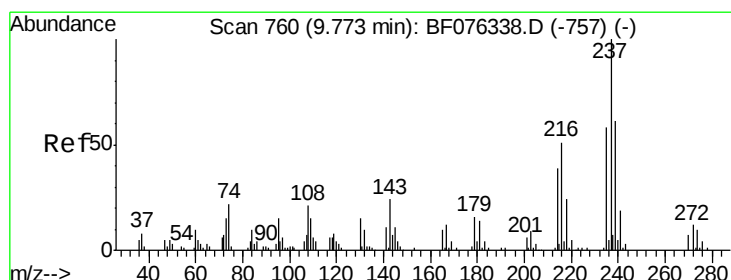
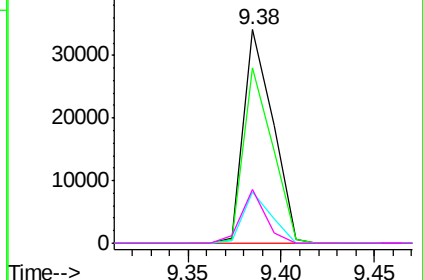
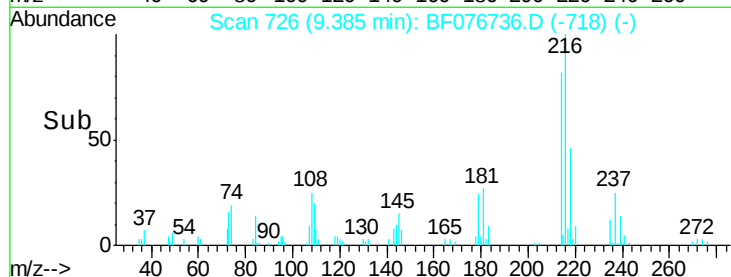


Abundance Ion 216.00 (215.70 to 216.70): E

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: 16.74 ng

RT: 9.37 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF076736.D

Acq: 2 Jan 2015 21:04

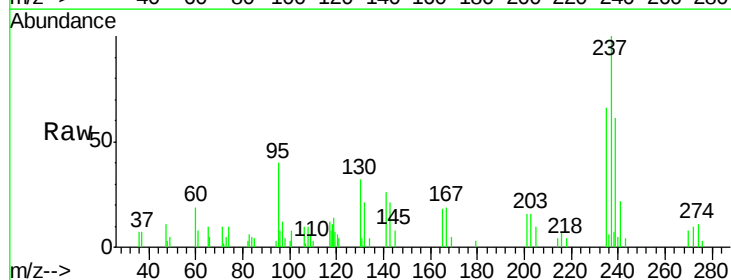
Tgt Ion:237 Resp: 14865

Ion Ratio Lower Upper

237 100

235 65.5 38.5 78.5

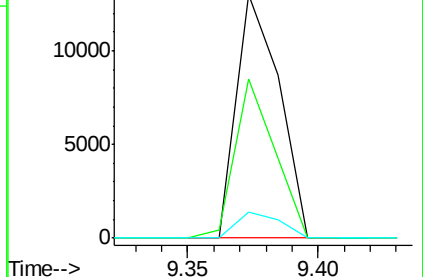
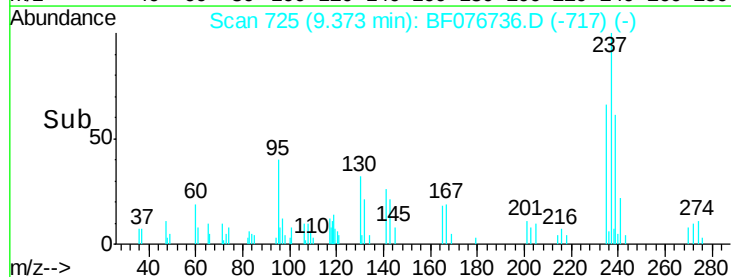
272 10.5 0.0 32.2

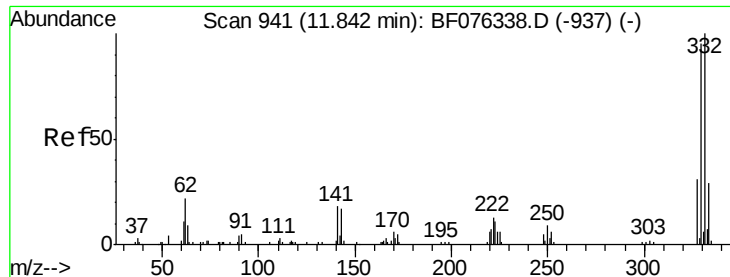


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





#41

2,4,6-Tribromophenol

Concen: 125.69 ng

RT: 11.42 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF076736.D

Acq: 2 Jan 2015 21:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

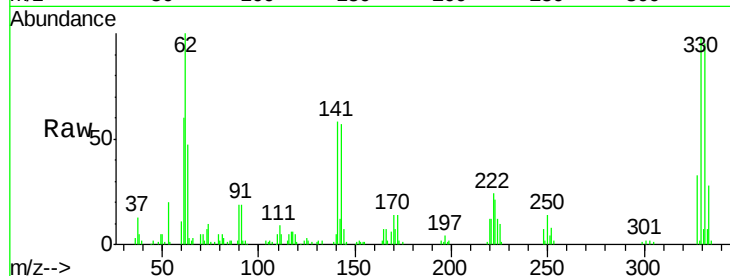
Tot Ion:330 Resp: 101973

Ion Ratio Lower Upper

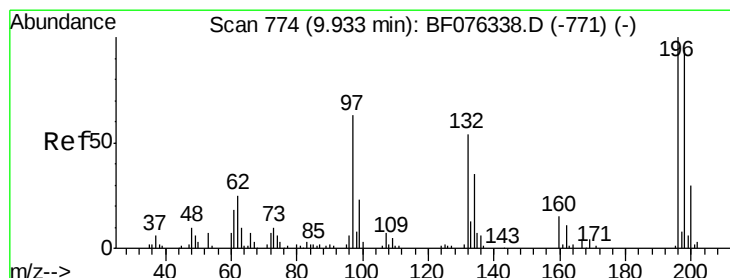
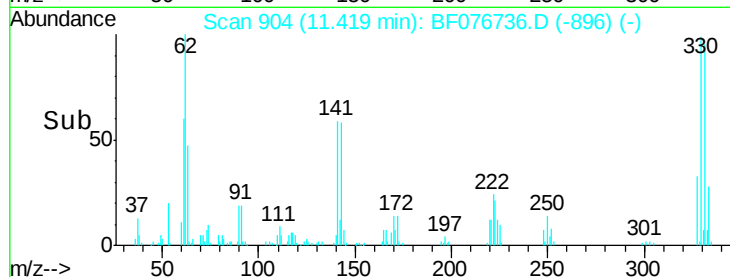
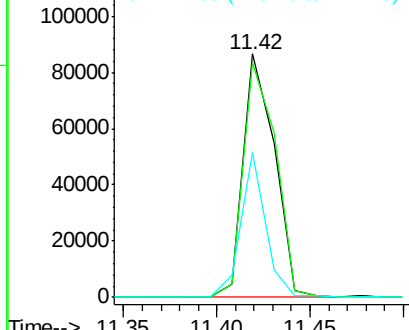
330 100

332 100.9 0.0 0.0#

141 47.1 0.0 0.0#



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: 14.87 ng

RT: 9.54 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF076736.D

Acq: 2 Jan 2015 21:04

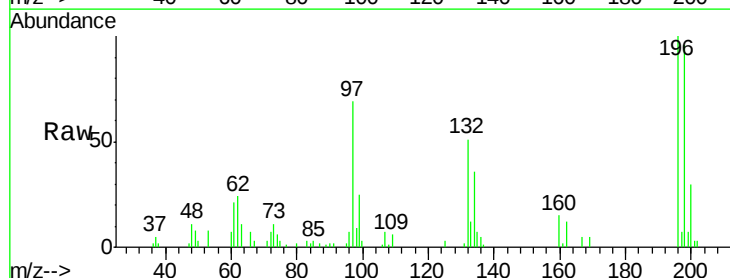
Tgt Ion:196 Resp: 25467

Ion Ratio Lower Upper

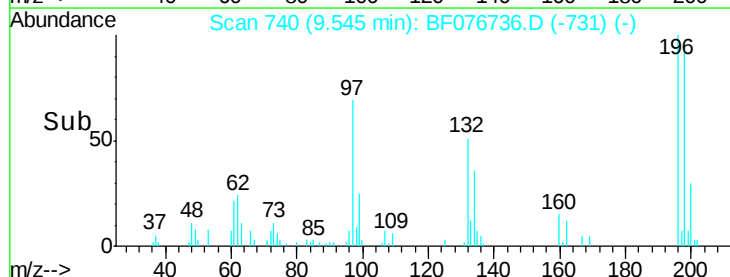
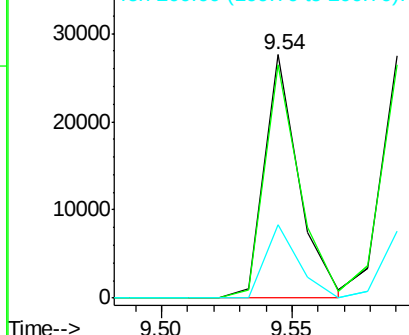
196 100

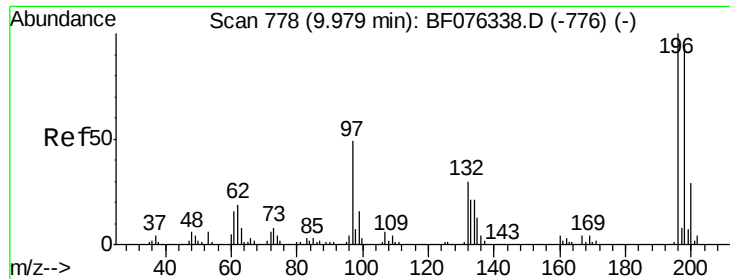
198 95.7 75.6 113.4

200 30.1 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

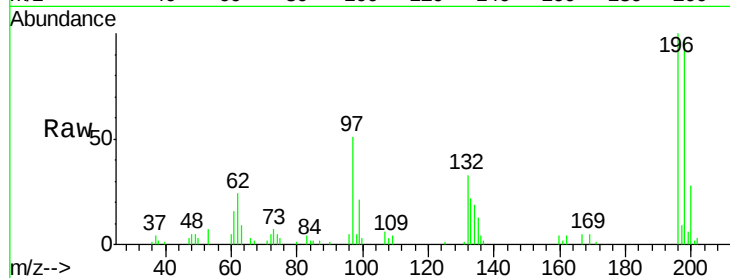




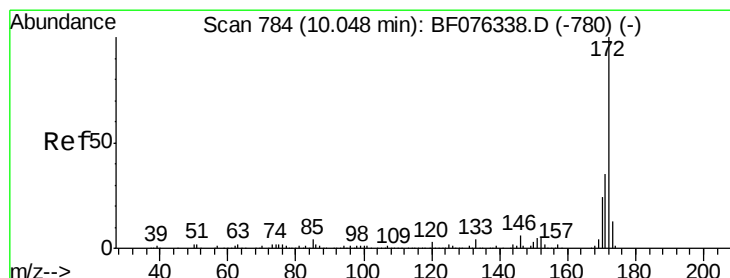
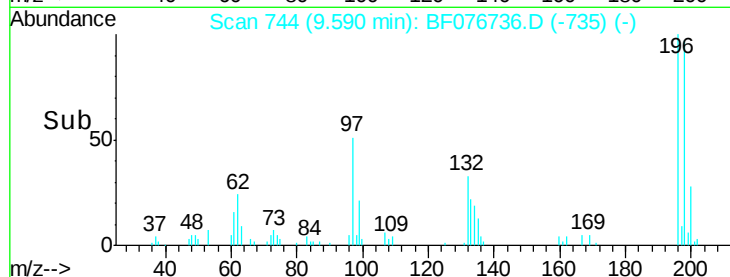
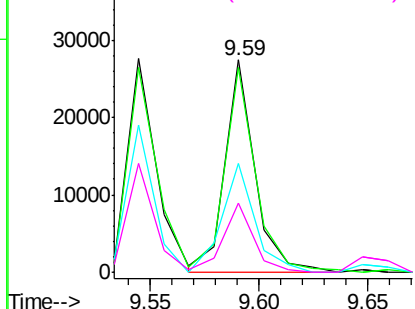
#43
 2,4,5-Trichlorophenol
 Concen: 14.16 ng
 RT: 9.59 min Scan# 744
 Delta R.T. 0.00 min
 Lab File: BF076736.D
 Acq: 2 Jan 2015 21:04

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Tot Ion:196 Resp: 26093
 Ion Ratio Lower Upper
 196 100
 198 96.6 75.2 112.8
 97 51.3 39.0 58.4
 132 32.6 24.4 36.6

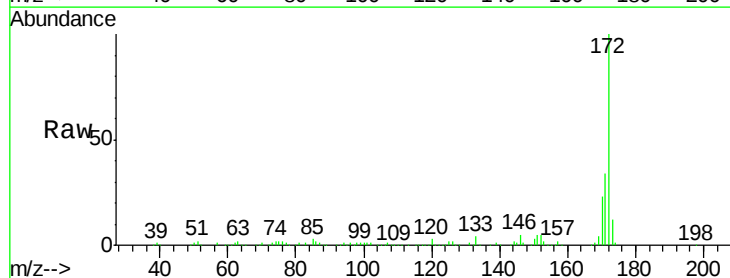


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

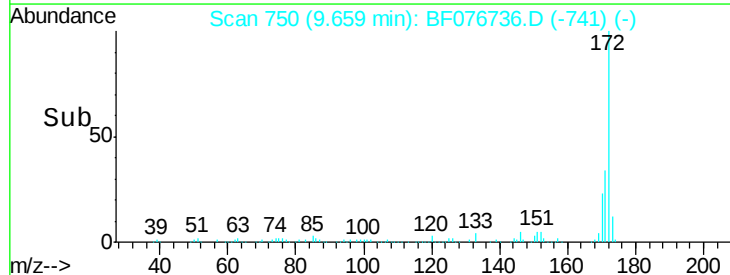
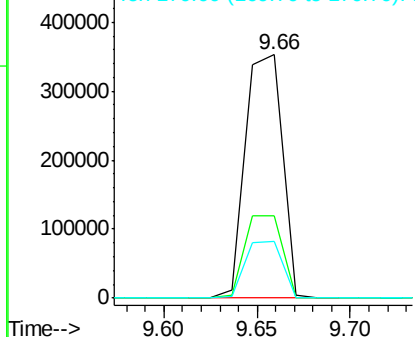


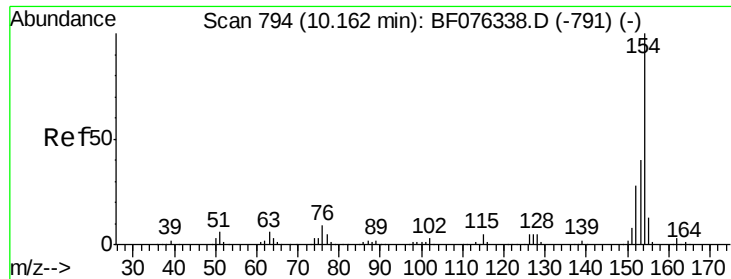
#44
 2-Fluorobiphenyl
 Concen: 78.77 ng
 RT: 9.66 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: BF076736.D
 Acq: 2 Jan 2015 21:04

Tgt Ion:172 Resp: 485905
 Ion Ratio Lower Upper
 172 100
 171 33.6 27.8 41.8
 170 23.3 19.0 28.4



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

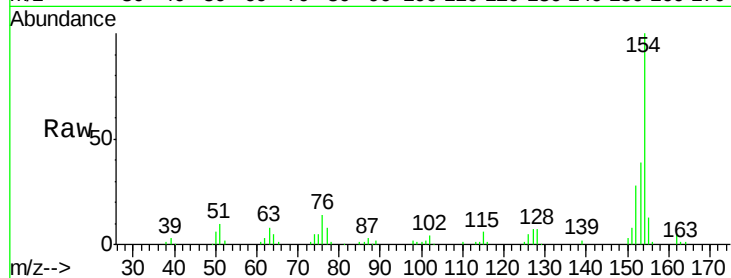




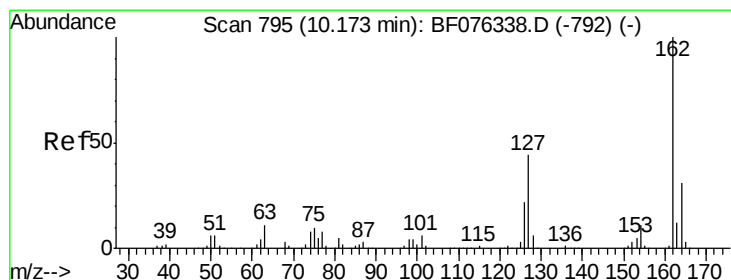
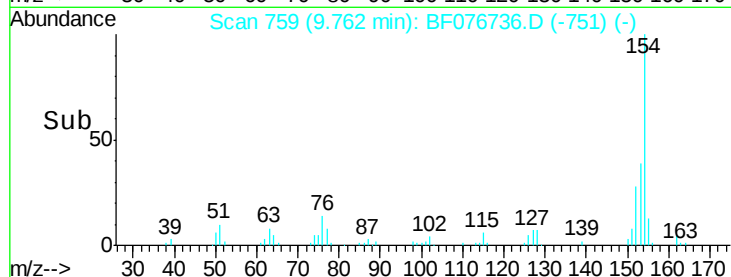
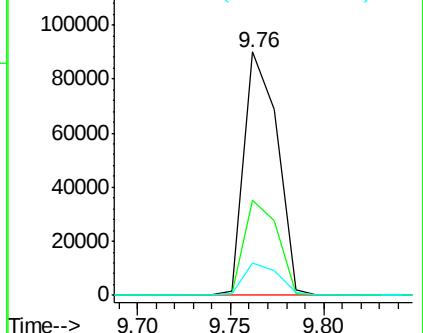
#45
 1,1'-Biphenyl
 Concen: 15.62 ng
 RT: 9.76 min Scan# 759
 Delta R.T. -0.01 min
 Lab File: BF076736.D
 Acq: 2 Jan 2015 21:04

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Tot Ion:154 Resp: 111363
 Ion Ratio Lower Upper
 154 100
 153 39.3 20.0 60.0
 76 13.5 0.0 29.4

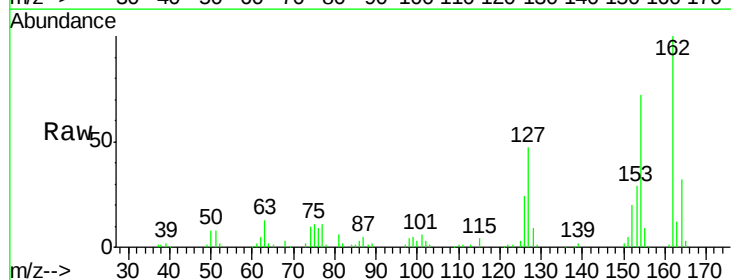


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BFO

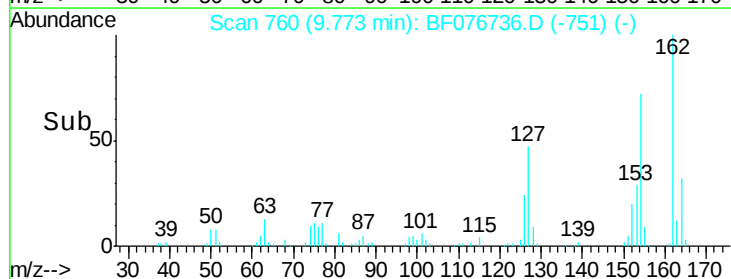
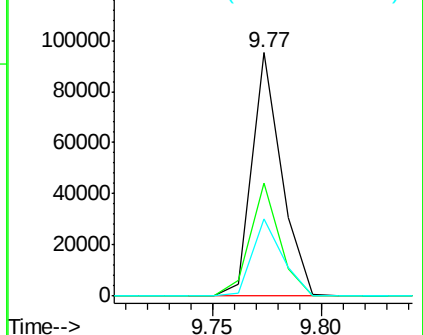


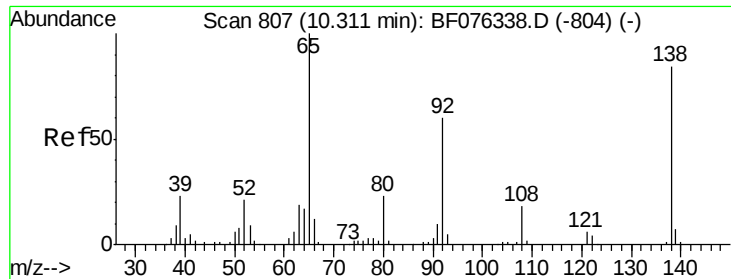
#46
 2-Chloronaphthalene
 Concen: 15.89 ng
 RT: 9.77 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: BF076736.D
 Acq: 2 Jan 2015 21:04

Tgt Ion:162 Resp: 89848
 Ion Ratio Lower Upper
 162 100
 127 46.6 35.2 52.8
 164 31.8 24.6 36.8



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

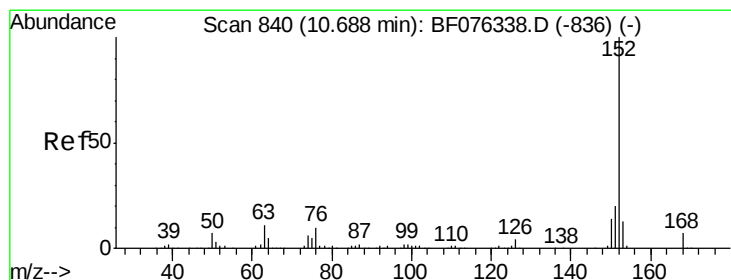
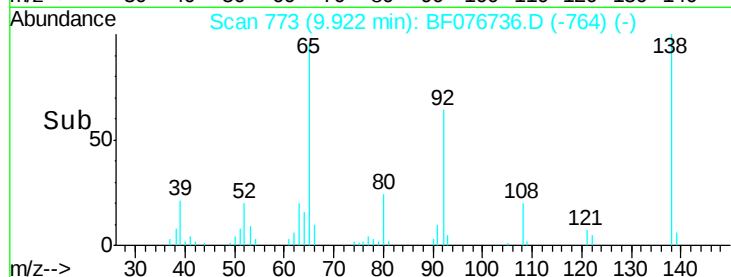
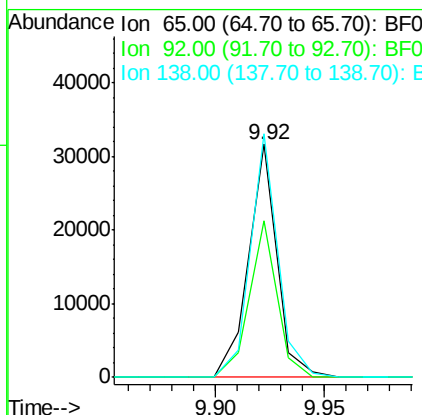
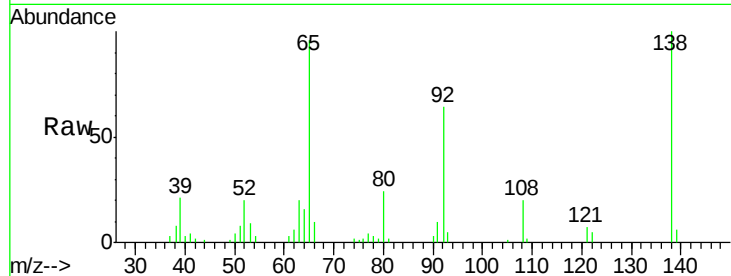




#47
2-Nitroaniline
Concen: 16.61 ng
RT: 9.92 min Scan# 773
Delta R.T. 0.00 min
Lab File: BF076736.D
Acq: 2 Jan 2015 21:04

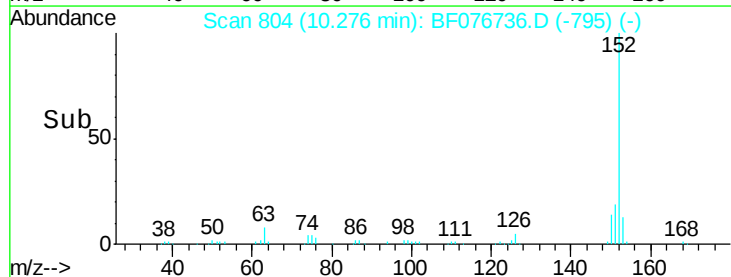
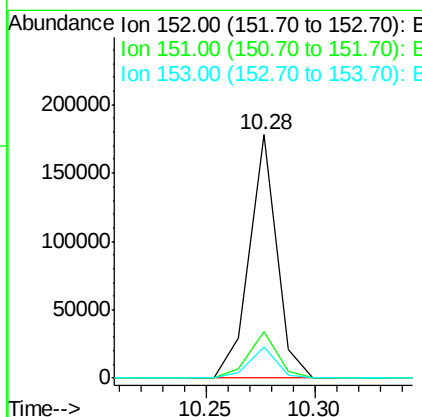
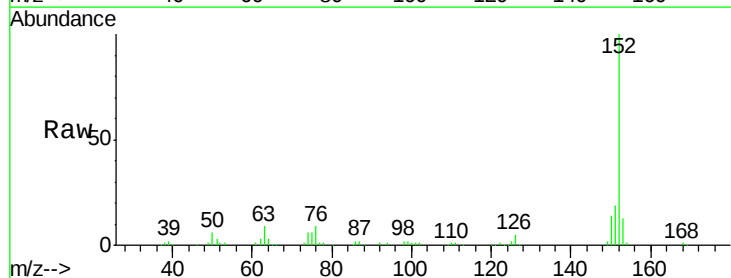
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

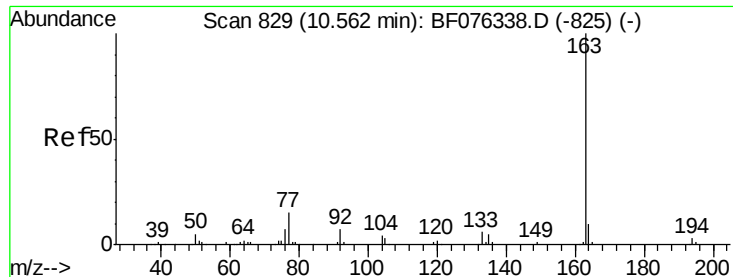
Tot Ion: 65 Resp: 28586
Ion Ratio Lower Upper
65 100
92 67.2 48.0 72.0
138 104.6 67.0 100.6#



#48
Acenaphthylene
Concen: 16.33 ng
RT: 10.28 min Scan# 804
Delta R.T. 0.00 min
Lab File: BF076736.D
Acq: 2 Jan 2015 21:04

Tgt Ion: 152 Resp: 157112
Ion Ratio Lower Upper
152 100
151 19.1 15.7 23.5
153 12.9 10.2 15.2

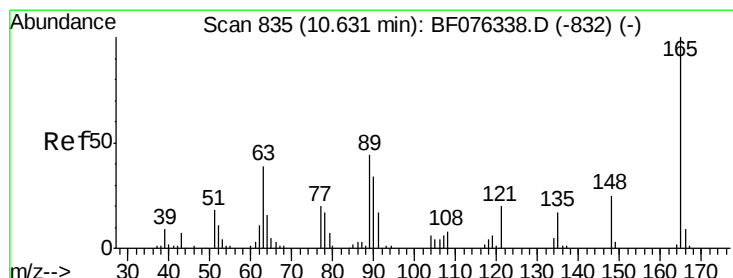
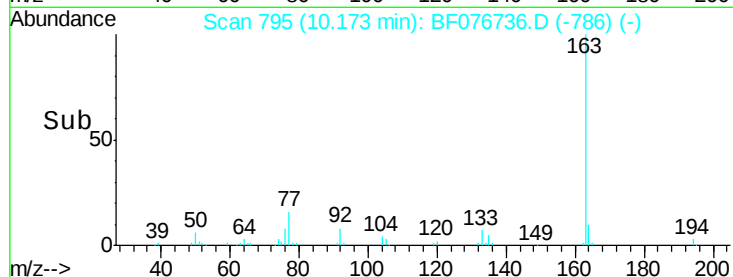
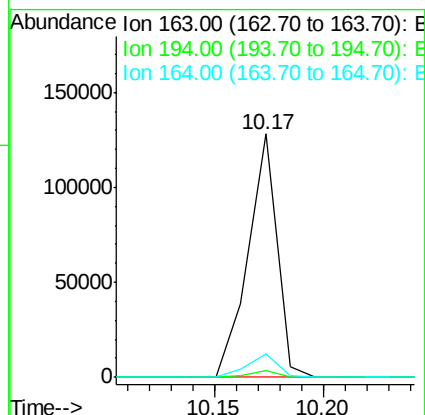
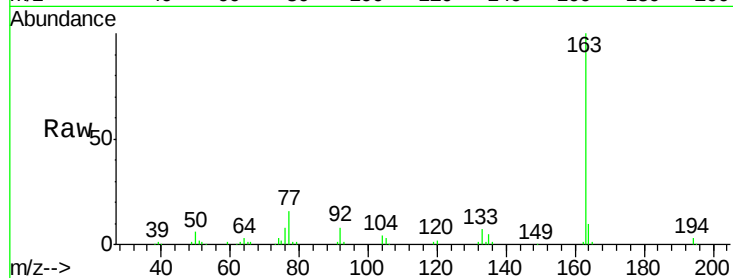




#49
Dimethylphthalate
Concen: 17.50 ng
RT: 10.17 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF076736.D
Acq: 2 Jan 2015 21:04

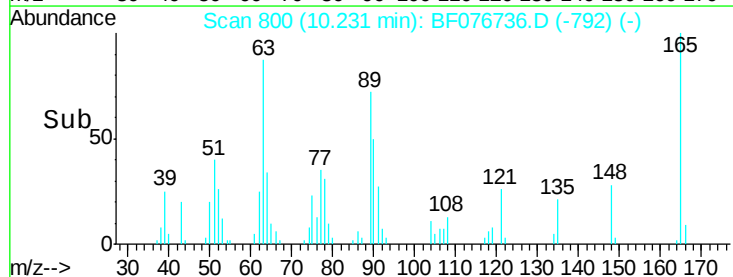
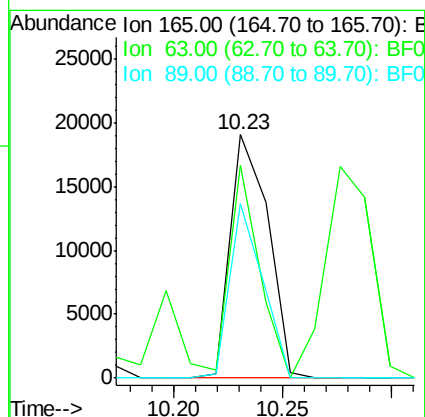
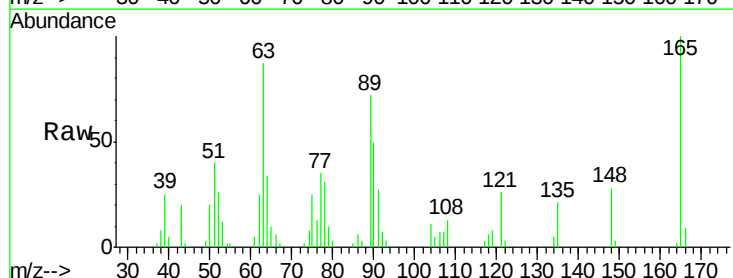
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

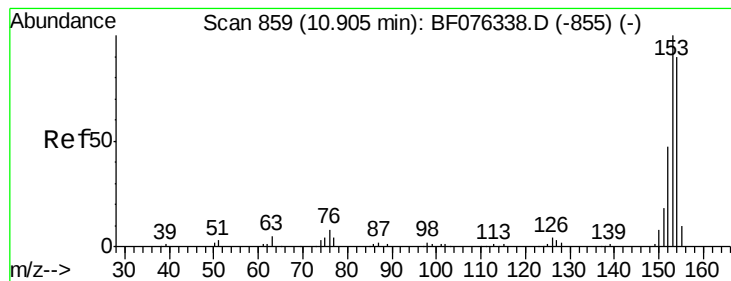
Tot Ion:163 Resp: 118819
Ion Ratio Lower Upper
163 100
194 2.7 2.6 4.0
164 9.7 7.7 11.5



#50
2,6-Dinitrotoluene
Concen: 16.56 ng
RT: 10.23 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF076736.D
Acq: 2 Jan 2015 21:04

Tgt Ion:165 Resp: 23047
Ion Ratio Lower Upper
165 100
63 87.5 35.0 52.6#
89 71.6 35.4 53.2#





#51

Acenaphthene

Concen: 15.93 ng

RT: 10.49 min Scan# 823

Delta R.T. 0.00 min

Lab File: BF076736.D

Acq: 2 Jan 2015 21:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

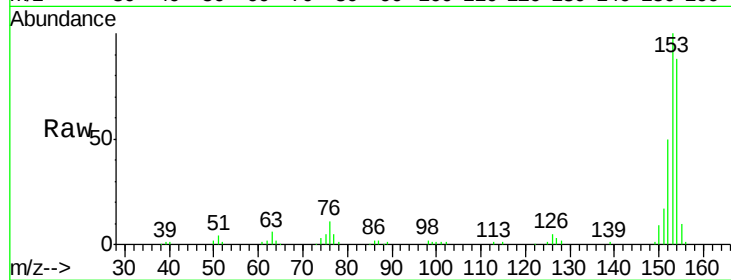
Tot Ion:154 Resp: 86706

Ion Ratio Lower Upper

154 100

153 113.8 89.4 134.0

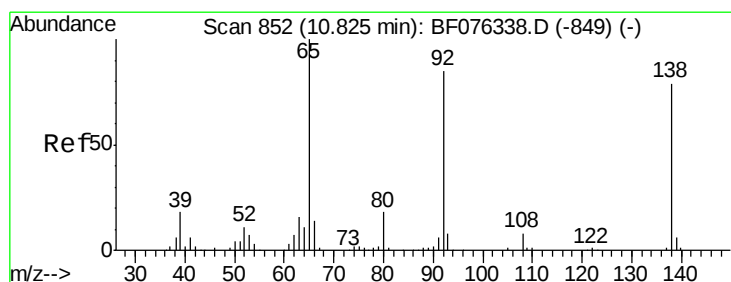
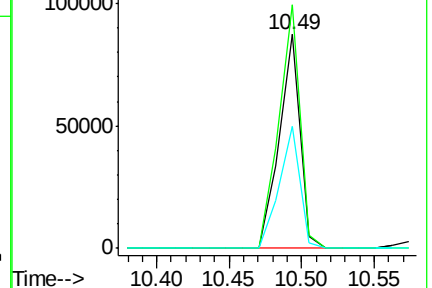
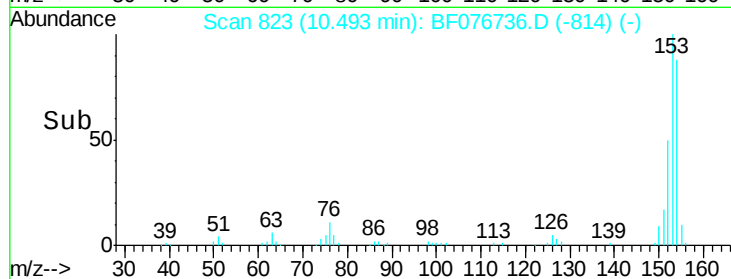
152 56.8 42.1 63.1



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: 16.43 ng

RT: 10.42 min Scan# 817

Delta R.T. -0.01 min

Lab File: BF076736.D

Acq: 2 Jan 2015 21:04

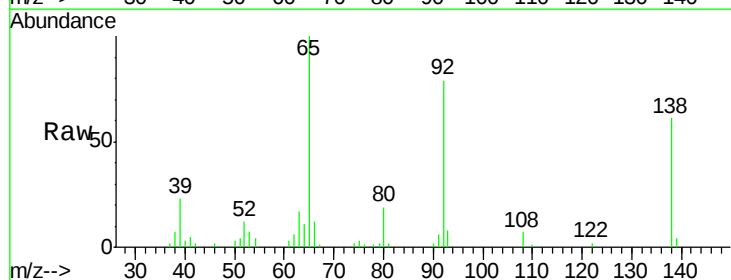
Tgt Ion:138 Resp: 25951

Ion Ratio Lower Upper

138 100

108 12.1 8.5 12.7

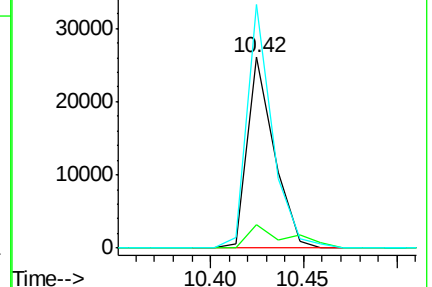
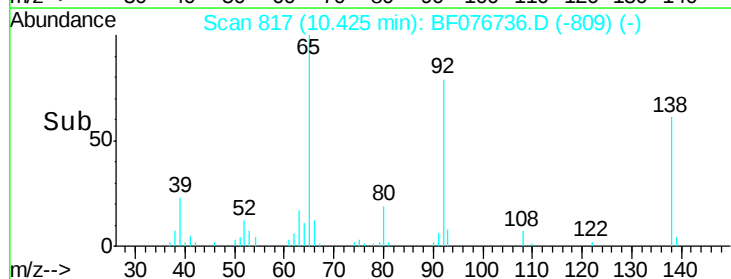
92 127.8 85.6 128.4

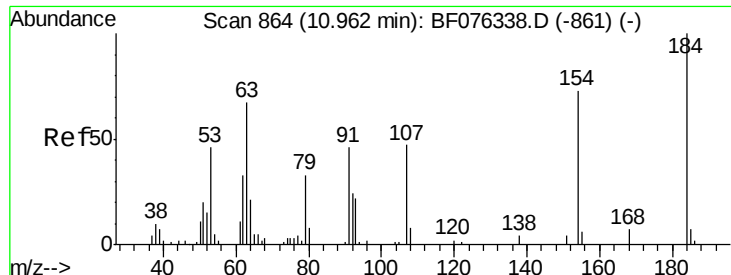


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

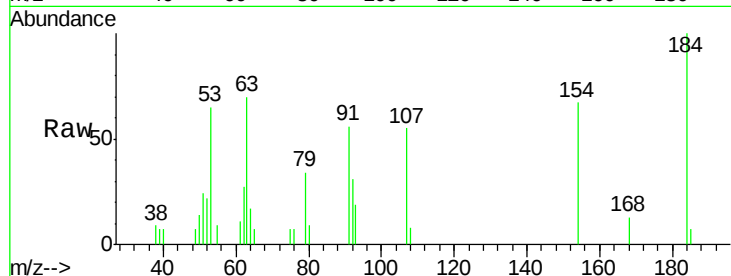




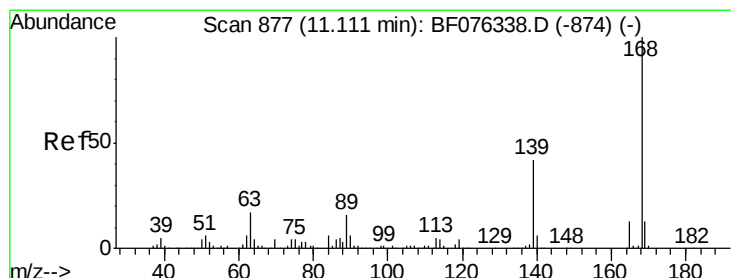
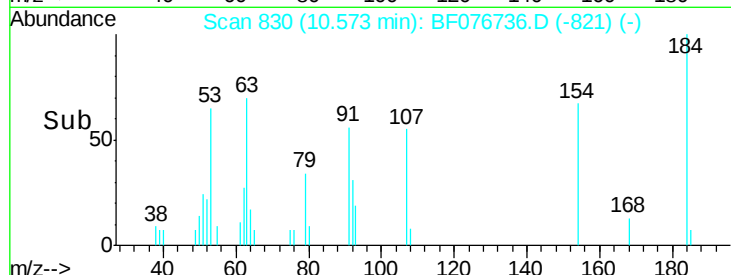
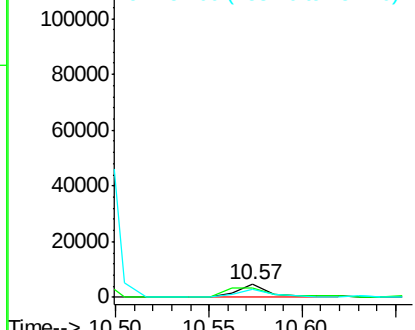
#53
2,4-Dinitrophenol
Concen: 13.92 ng
RT: 10.57 min Scan# 830
Delta R.T. 0.00 min
Lab File: BF076736.D
Acq: 2 Jan 2015 21:04

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tot Ion:184 Resp: 5971
Ion Ratio Lower Upper
184 100
63 69.6 53.4 80.0
154 66.5 58.5 87.7

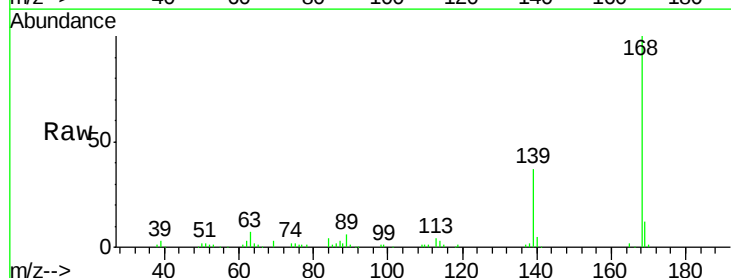


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

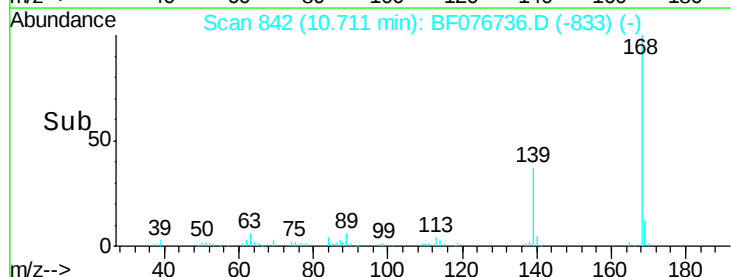
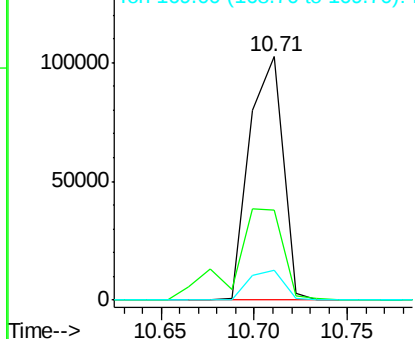


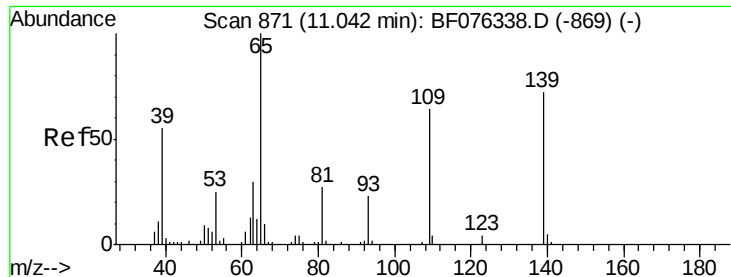
#54
Dibenzofuran
Concen: 16.22 ng
RT: 10.71 min Scan# 842
Delta R.T. 0.00 min
Lab File: BF076736.D
Acq: 2 Jan 2015 21:04

Tgt Ion:168 Resp: 127722
Ion Ratio Lower Upper
168 100
139 36.9 34.2 51.4
169 12.4 10.6 16.0



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

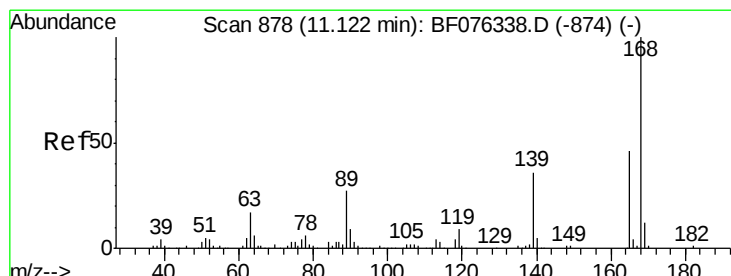
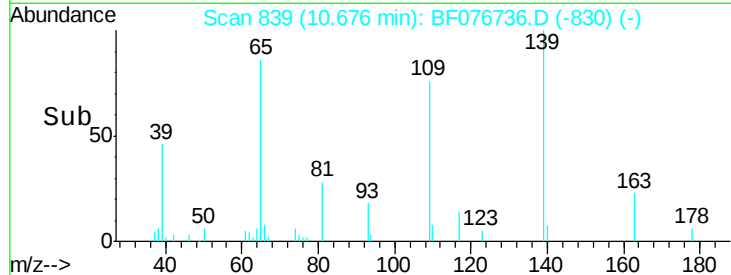
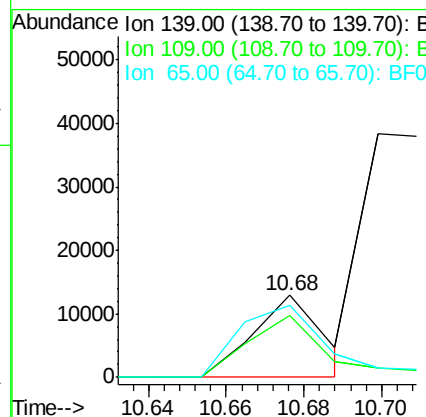
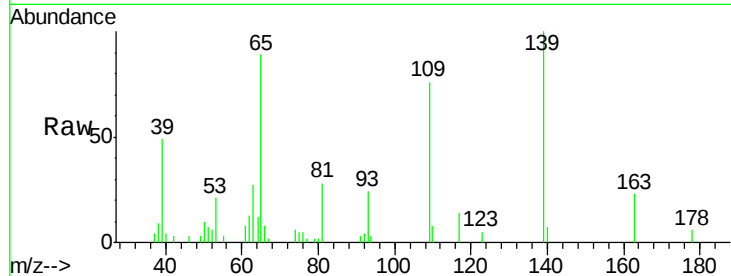




#55
4-Nitrophenol
Concen: 13.01 ng/mL
RT: 10.68 min Scan# 839
Delta R.T. 0.00 min
Lab File: BF076736.D
Acq: 2 Jan 2015 21:04

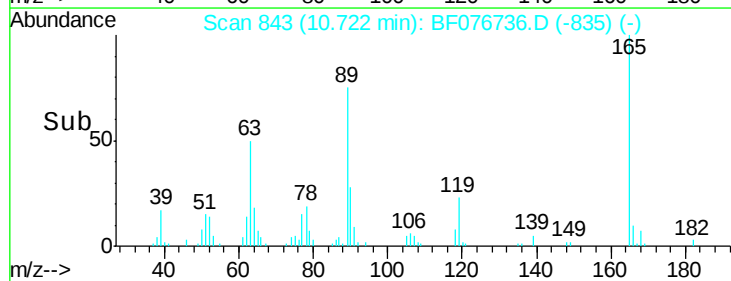
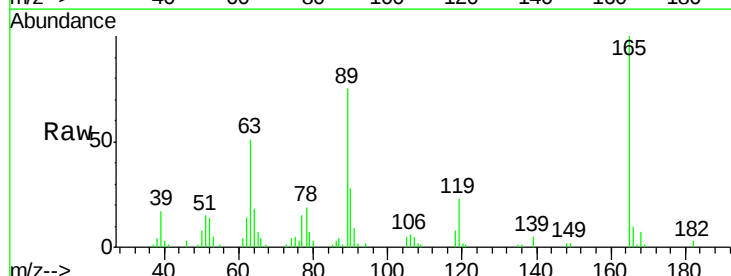
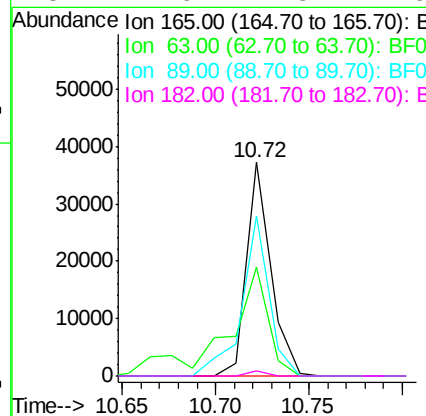
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

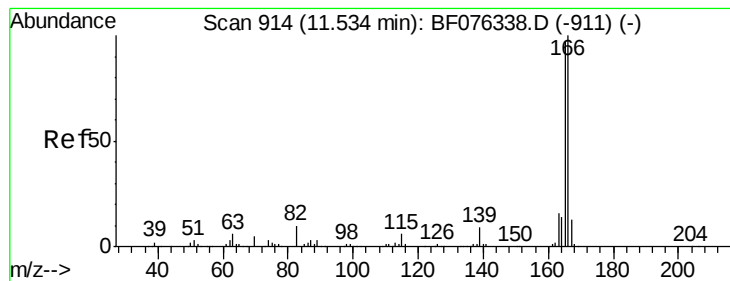
Tot Ion:139 Resp: 15756
Ion Ratio Lower Upper
139 100
109 76.1 69.1 109.1
65 88.7 119.8 159.8#



#56
2,4-Dinitrotoluene
Concen: 18.21 ng/mL
RT: 10.72 min Scan# 843
Delta R.T. -0.01 min
Lab File: BF076736.D
Acq: 2 Jan 2015 21:04

Tgt Ion:165 Resp: 33769
Ion Ratio Lower Upper
165 100
63 51.2 30.2 45.2#
89 74.9 46.8 70.2#
182 2.6 1.8 2.6





#57

Fluorene

Concen: 16.66 ng

RT: 11.12 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF076736.D

Acq: 2 Jan 2015 21:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

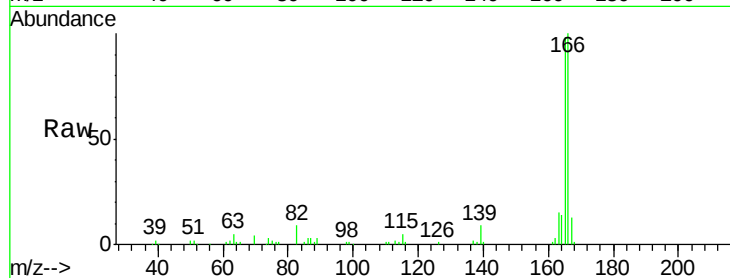
Tot Ion:166 Resp: 110165

Ion Ratio Lower Upper

166 100

165 98.0 77.9 116.9

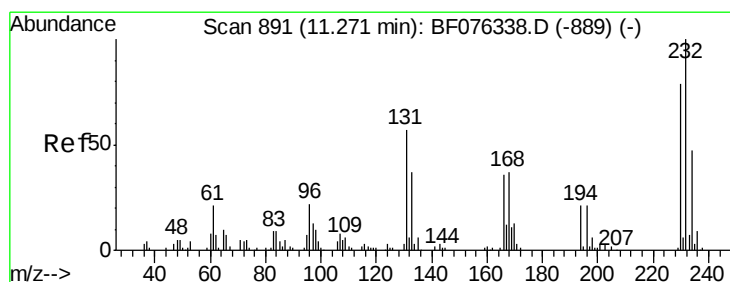
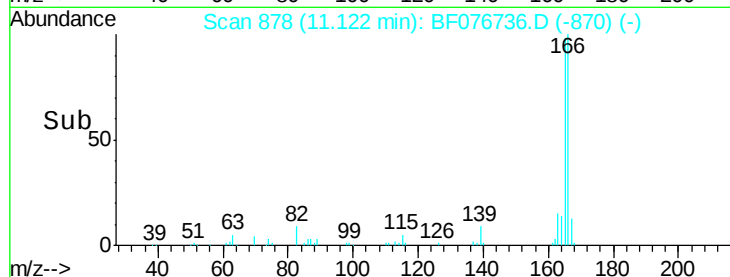
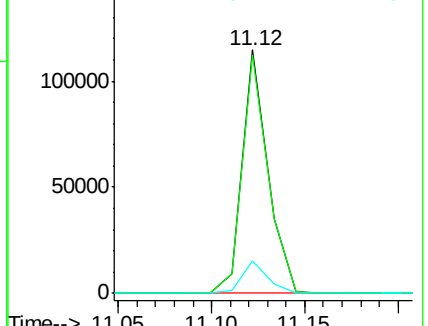
167 13.1 10.6 15.8



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 15.16 ng

RT: 10.87 min Scan# 856

Delta R.T. 0.00 min

Lab File: BF076736.D

Acq: 2 Jan 2015 21:04

Tgt Ion:232 Resp: 20778

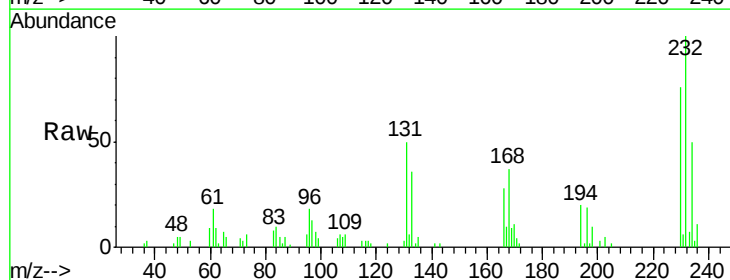
Ion Ratio Lower Upper

232 100

131 59.2 0.0 0.0#

130 2.2 0.0 0.0#

166 33.9 0.0 0.0#

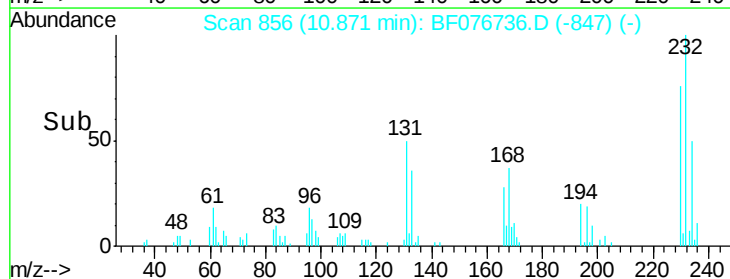
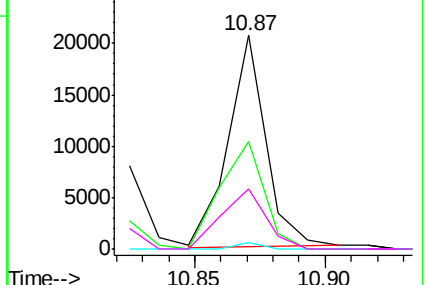


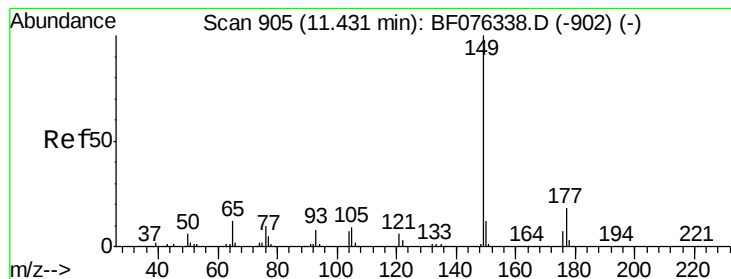
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 16.88 ng

RT: 11.04 min Scan# 871

Delta R.T. 0.00 min

Lab File: BF076736.D

Acq: 2 Jan 2015 21:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

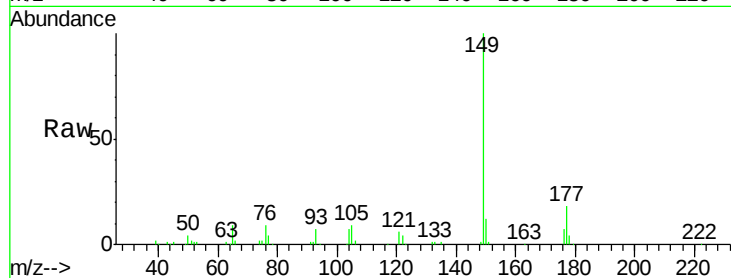
Tot Ion:149 Resp: 117104

Ion Ratio Lower Upper

149 100

177 18.2 14.7 22.1

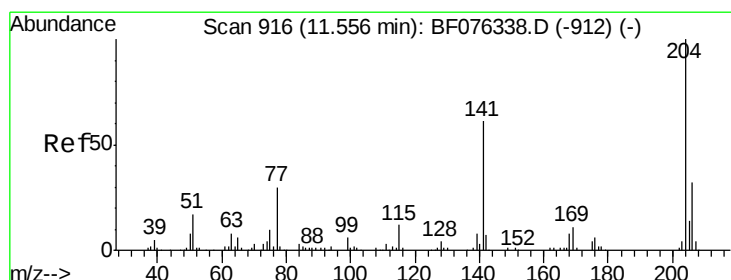
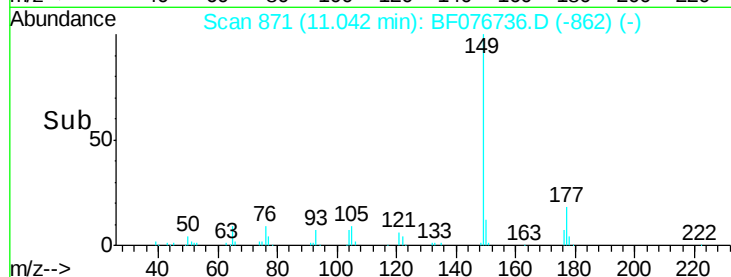
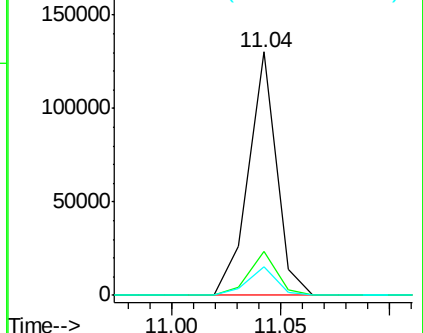
150 11.6 9.8 14.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 16.86 ng

RT: 11.14 min Scan# 880

Delta R.T. -0.01 min

Lab File: BF076736.D

Acq: 2 Jan 2015 21:04

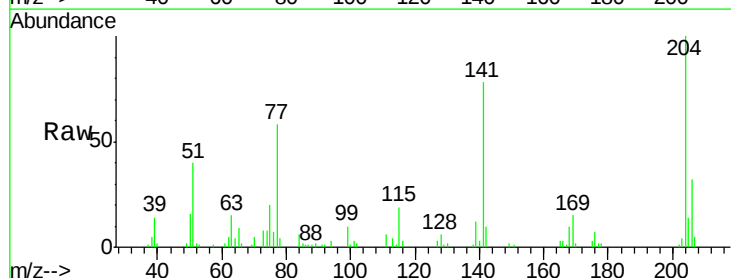
Tgt Ion:204 Resp: 48264

Ion Ratio Lower Upper

204 100

206 31.9 25.6 38.4

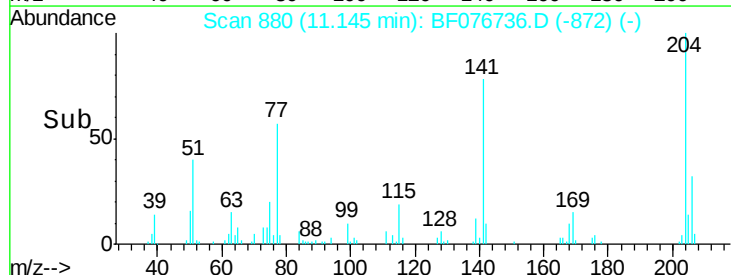
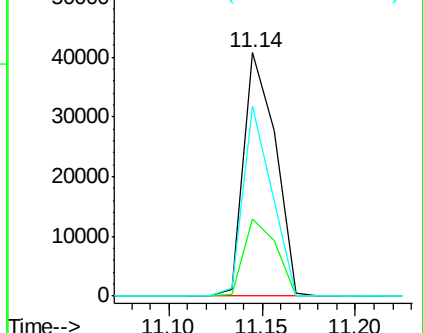
141 77.8 48.5 72.7#

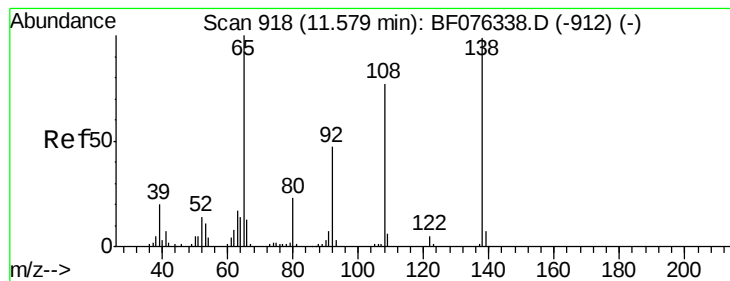


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 15.83 ng

RT: 11.17 min Scan# 882

Delta R.T. -0.01 min

Lab File: BF076736.D

Acq: 2 Jan 2015 21:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

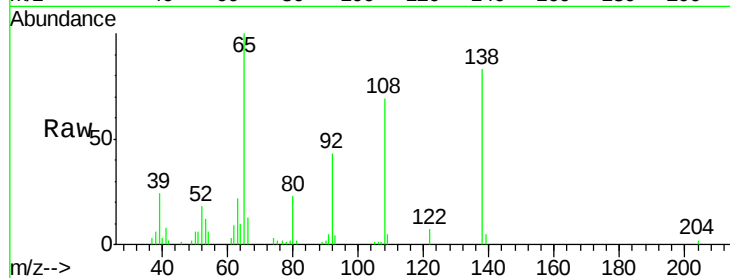
Tot Ion:138 Resp: 26291

Ion Ratio Lower Upper

138 100

92 52.3 27.7 67.7

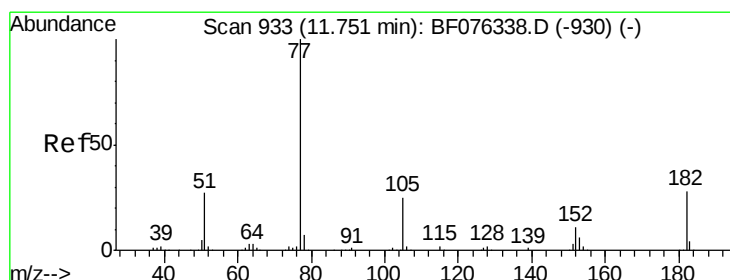
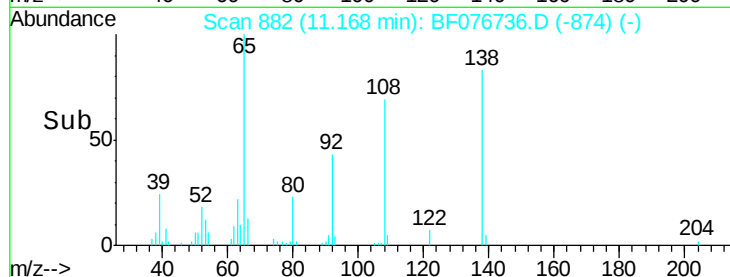
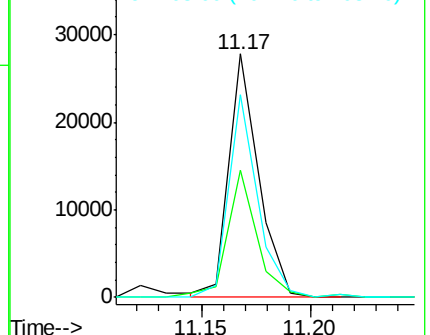
108 83.1 57.5 97.5



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 14.58 ng

RT: 11.34 min Scan# 897

Delta R.T. 0.00 min

Lab File: BF076736.D

Acq: 2 Jan 2015 21:04

Tgt Ion: 77 Resp: 99640

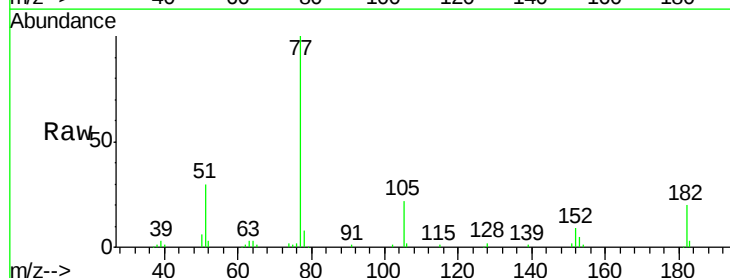
Ion Ratio Lower Upper

77 100

182 20.4 8.3 48.3

105 22.4 4.6 44.6

51 30.2 7.6 47.6

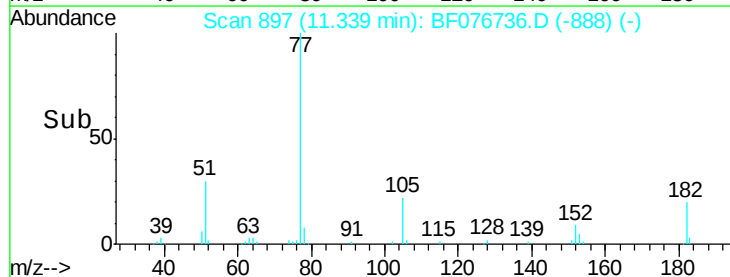
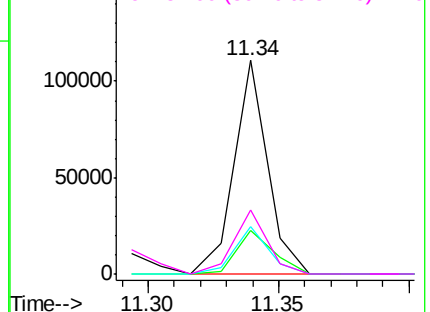


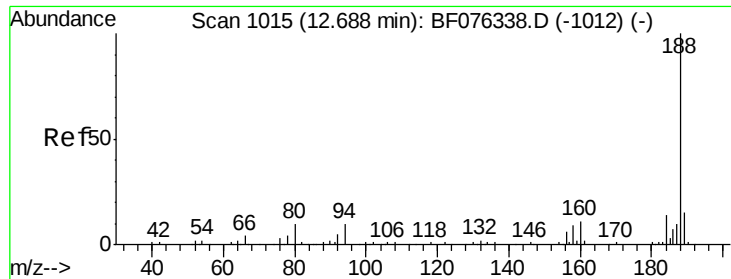
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

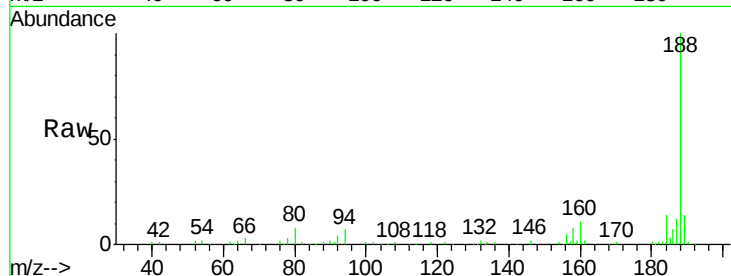




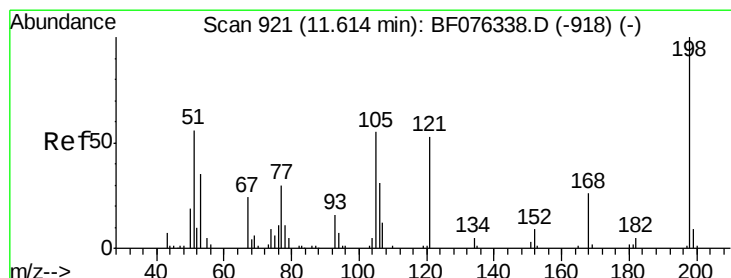
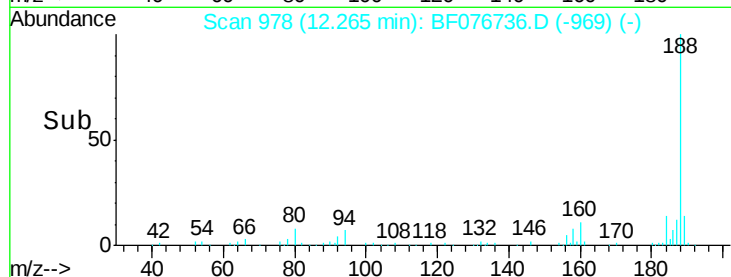
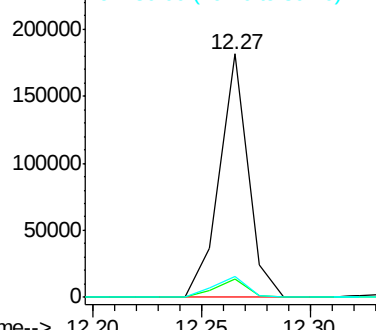
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.27 min Scan# 978
Delta R.T. 0.00 min
Lab File: BF076736.D
Acq: 2 Jan 2015 21:04

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tot Ion:188 Resp: 166804
Ion Ratio Lower Upper
188 100
94 7.3 7.9 11.9#
80 8.3 8.2 12.2

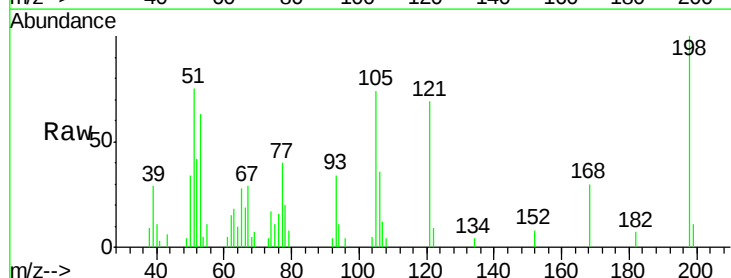


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

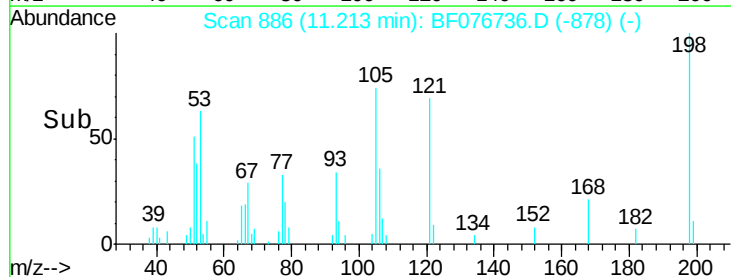
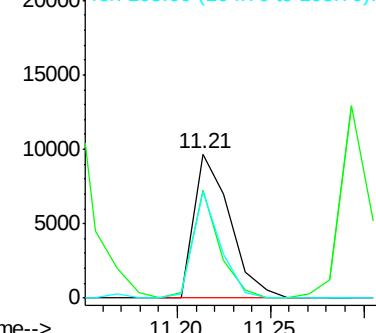


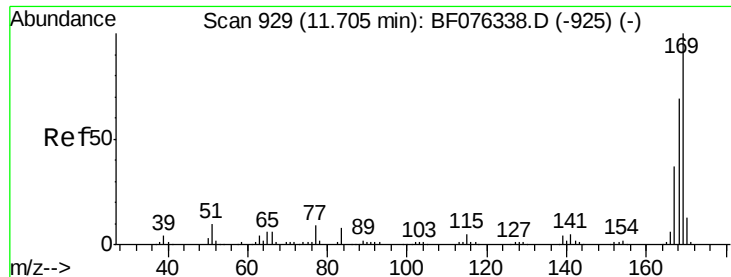
#64
4,6-Dinitro-2-methylphenol
Concen: 12.49 ng
RT: 11.21 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF076736.D
Acq: 2 Jan 2015 21:04

Tgt Ion:198 Resp: 13028
Ion Ratio Lower Upper
198 100
51 74.9 45.3 85.3
105 74.5 36.3 76.3



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

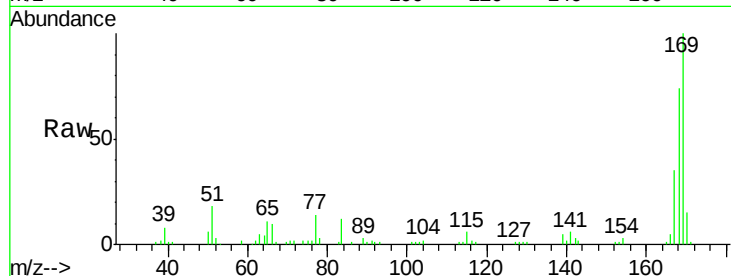




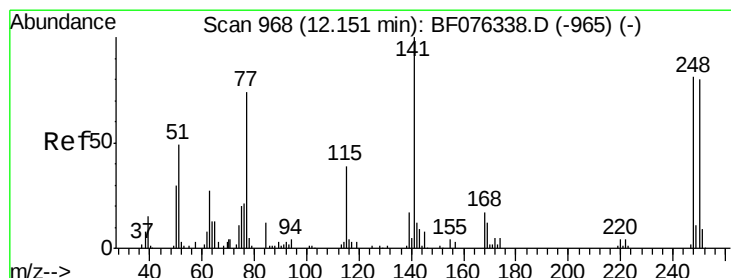
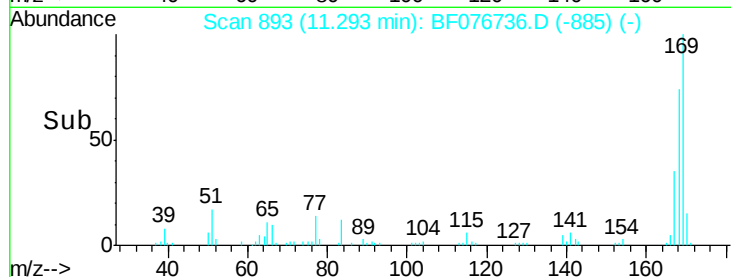
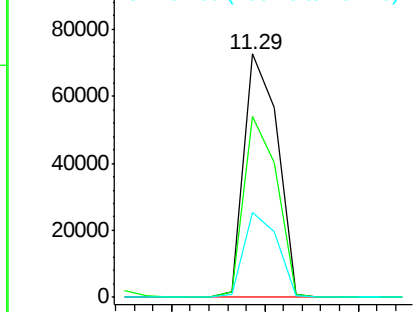
#65
n-Nitrosodiphenylamine
Concen: 15.45 ng
RT: 11.29 min Scan# 893
Delta R.T. -0.01 min
Lab File: BF076736.D
Acq: 2 Jan 2015 21:04

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tot Ion:169 Resp: 90537
Ion Ratio Lower Upper
169 100
168 74.1 55.2 82.8
167 34.8 29.5 44.3

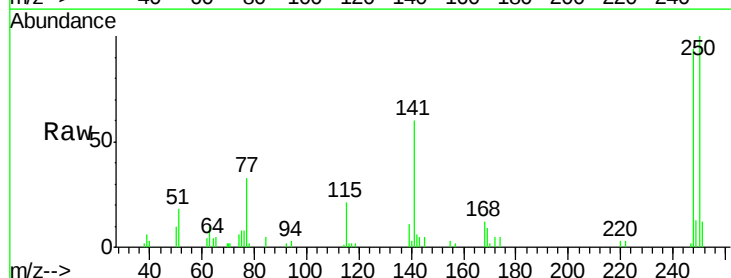


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

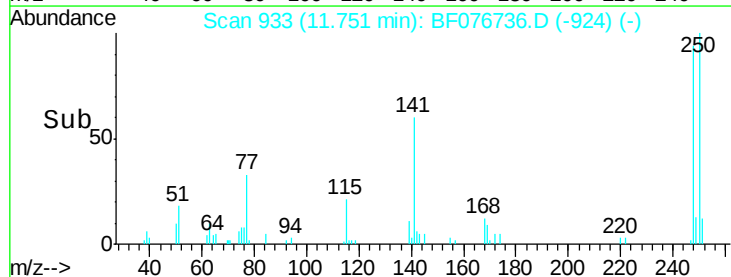
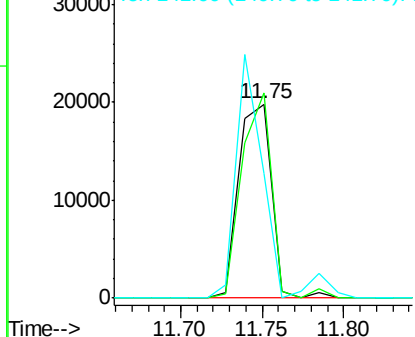


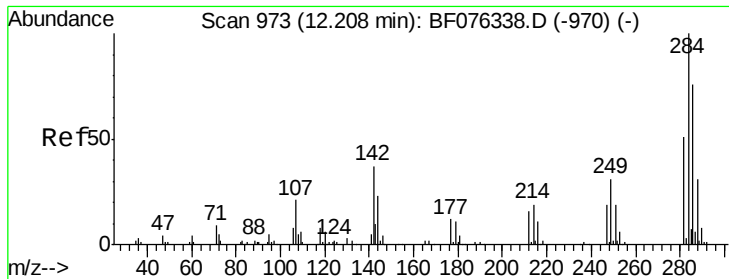
#66
4-Bromophenyl-phenylether
Concen: 16.92 ng
RT: 11.75 min Scan# 933
Delta R.T. 0.00 min
Lab File: BF076736.D
Acq: 2 Jan 2015 21:04

Tgt Ion:248 Resp: 27497
Ion Ratio Lower Upper
248 100
250 105.9 78.4 117.6
141 64.1 98.5 147.7#



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

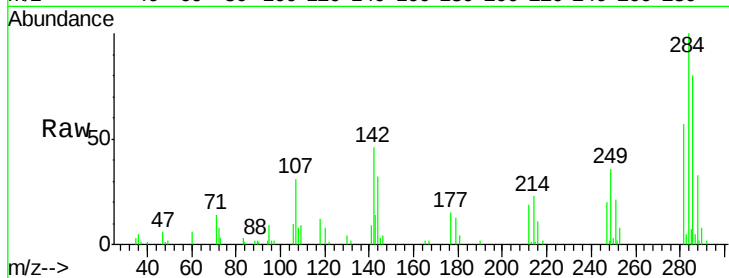




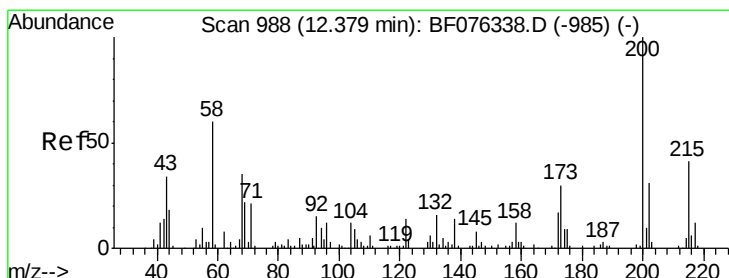
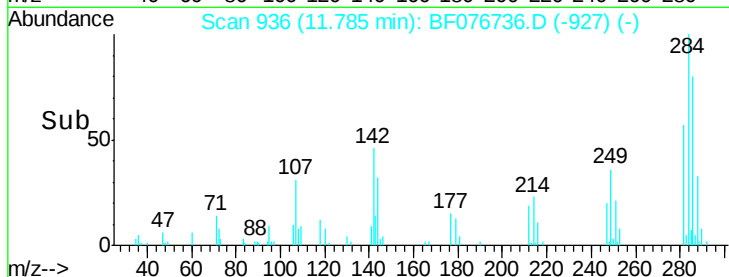
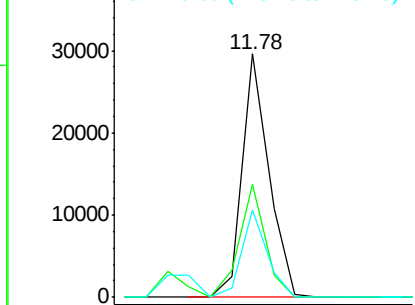
#67
Hexachlorobenzene
Concen: 15.63 ng
RT: 11.78 min Scan# 936
Delta R.T. 0.00 min
Lab File: BF076736.D
Acq: 2 Jan 2015 21:04

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tot Ion:284 Resp: 29648
Ion Ratio Lower Upper
284 100
142 46.4 30.0 45.0#
249 35.8 24.7 37.1

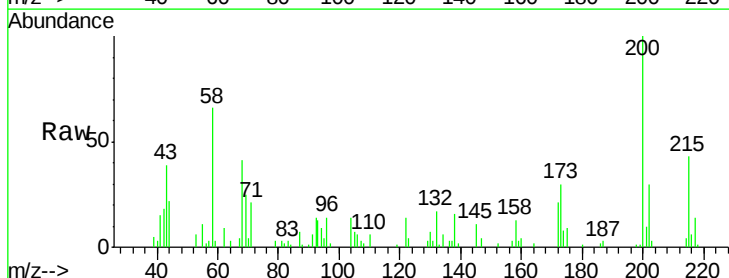


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

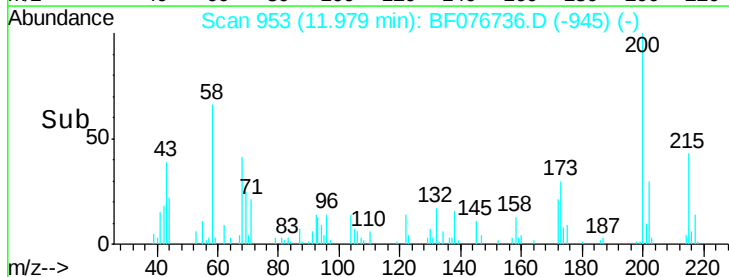
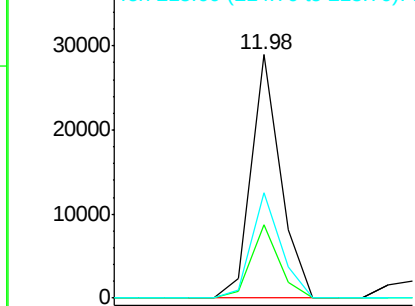


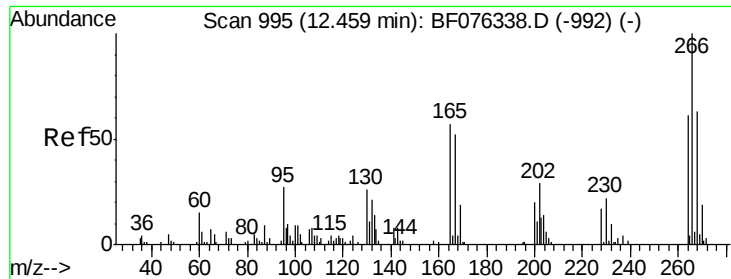
#68
Atrazine
Concen: 15.40 ng
RT: 11.98 min Scan# 953
Delta R.T. -0.01 min
Lab File: BF076736.D
Acq: 2 Jan 2015 21:04

Tgt Ion:200 Resp: 26962
Ion Ratio Lower Upper
200 100
173 29.9 10.0 50.0
215 43.0 21.4 61.4



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

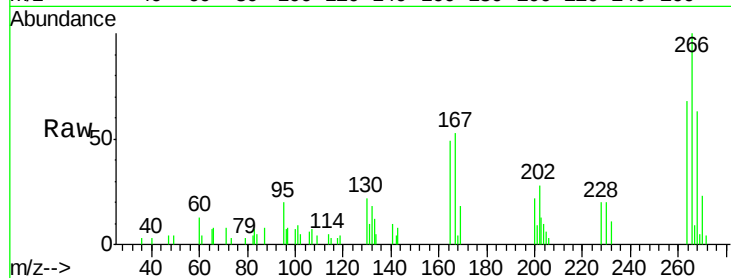




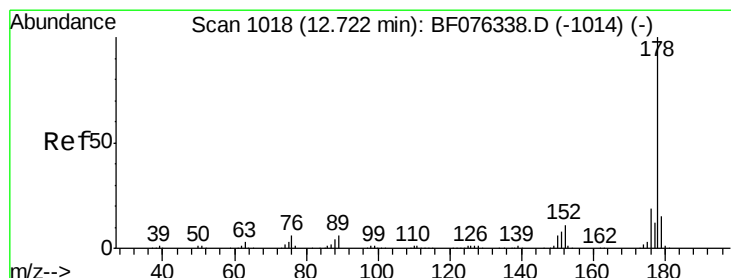
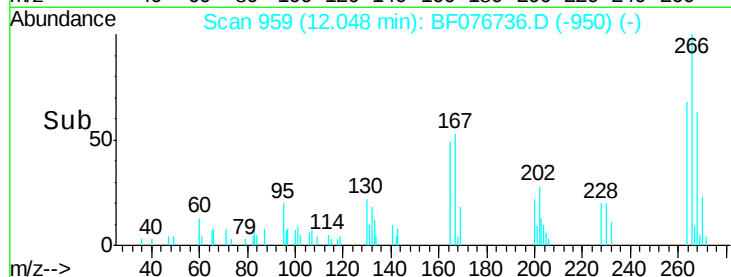
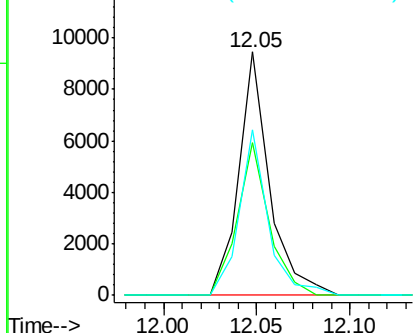
#69
 Pentachlorophenol
 Concen: 11.81 ng
 RT: 12.05 min Scan# 959
 Delta R.T. 0.00 min
 Lab File: BF076736.D
 Acq: 2 Jan 2015 21:04

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Tot Ion:266 Resp: 10967
 Ion Ratio Lower Upper
 266 100
 268 62.6 50.7 76.1
 264 67.9 48.7 73.1

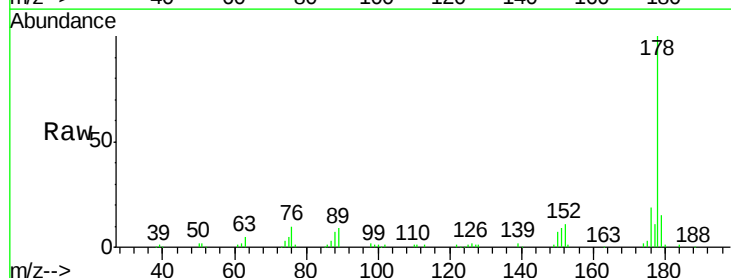


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

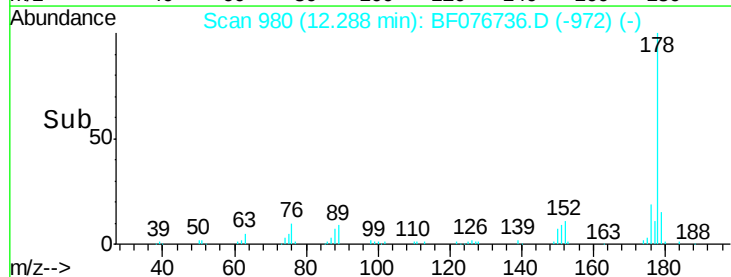
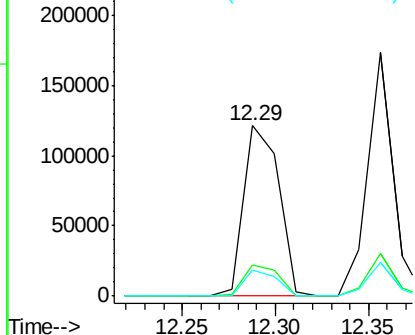


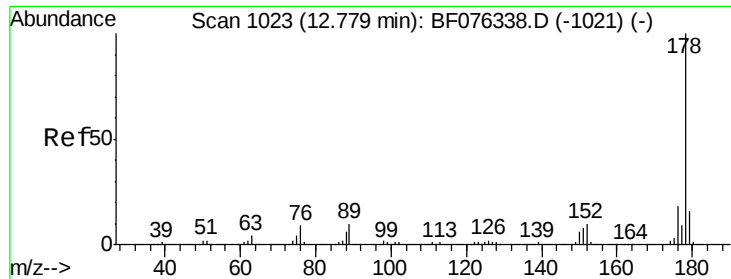
#70
 Phenanthrene
 Concen: 15.71 ng
 RT: 12.29 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: BF076736.D
 Acq: 2 Jan 2015 21:04

Tgt Ion:178 Resp: 158068
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.3 22.9
 179 14.9 12.2 18.4



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

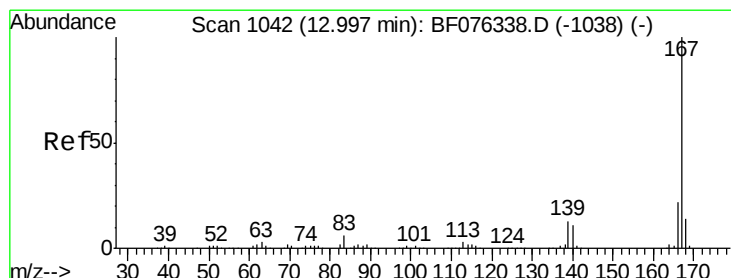
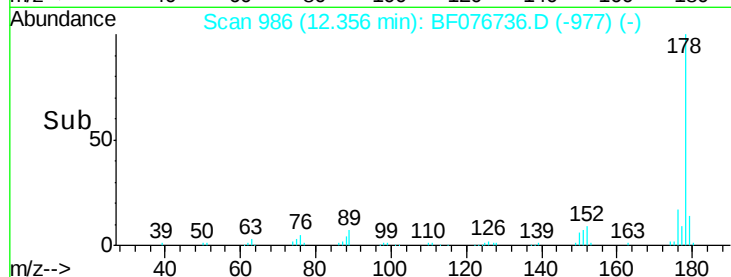
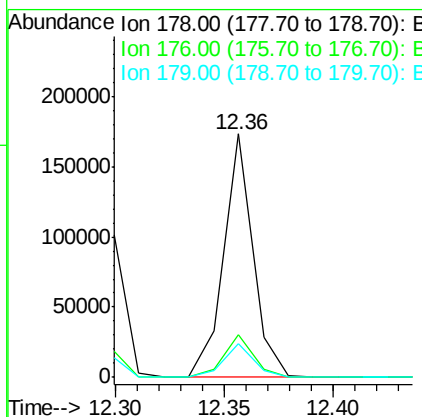
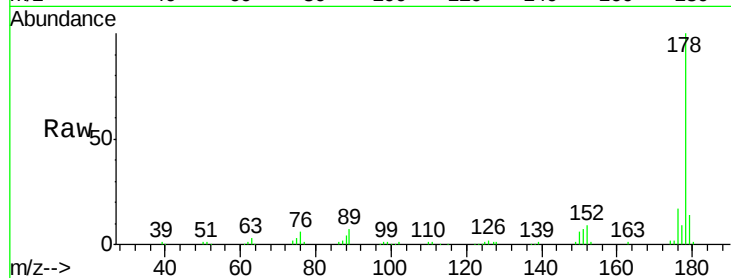




#71
 Anthracene
 Concen: 16.40 ng
 RT: 12.36 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: BF076736.D
 Acq: 2 Jan 2015 21:04

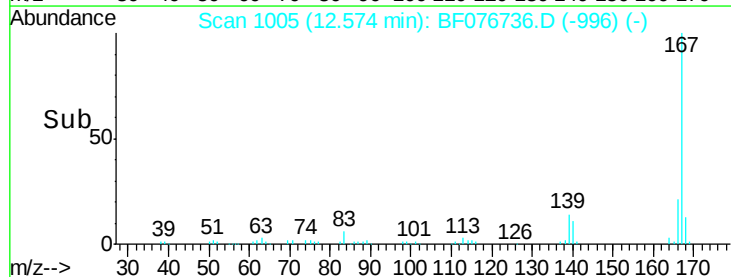
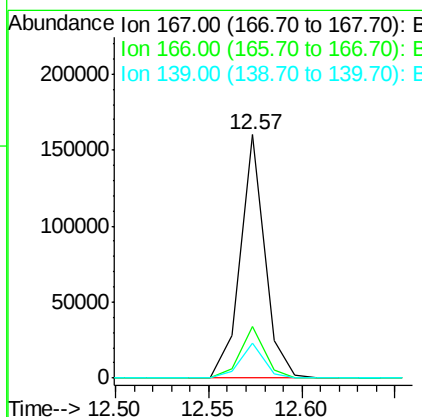
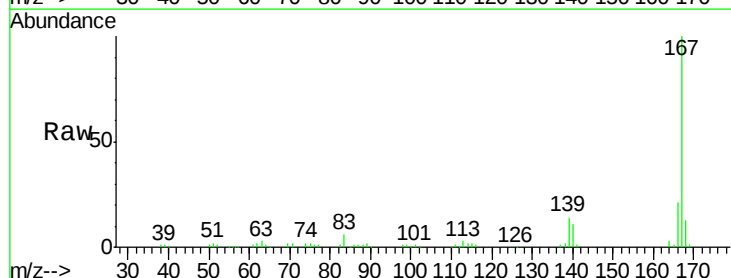
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

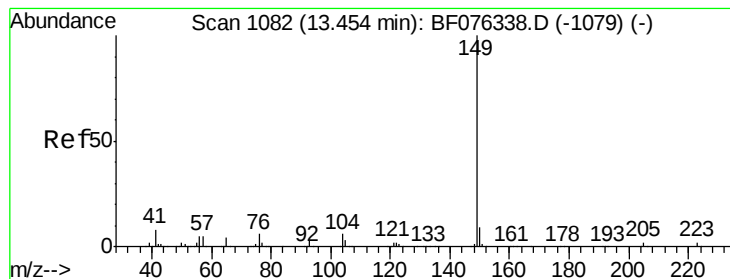
Tot Ion:178 Resp: 161888
 Ion Ratio Lower Upper
 178 100
 176 17.3 14.3 21.5
 179 14.0 12.7 19.1



#72
 Carbazole
 Concen: 15.42 ng
 RT: 12.57 min Scan# 1005
 Delta R.T. 0.00 min
 Lab File: BF076736.D
 Acq: 2 Jan 2015 21:04

Tgt Ion:167 Resp: 147706
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.4 26.2
 139 14.2 10.6 16.0





#73

Di-n-butylphthalate

Concen: 15.58 ng

RT: 13.05 min Scan# 1047

Delta R.T. 0.00 min

Lab File: BF076736.D

Acq: 2 Jan 2015 21:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

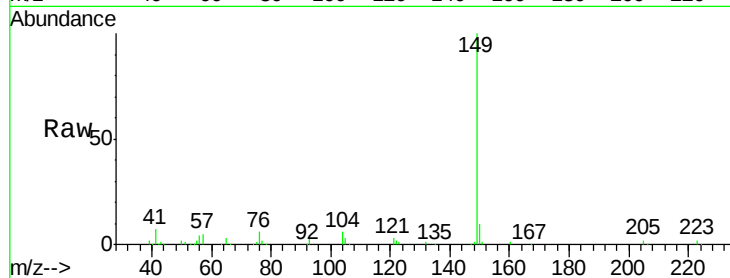
Tot Ion:149 Resp: 183249

Ion Ratio Lower Upper

149 100

150 9.5 7.1 10.7

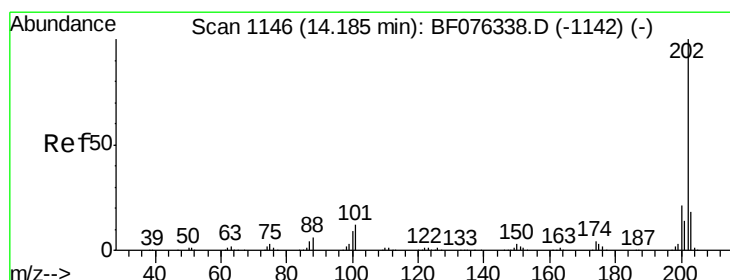
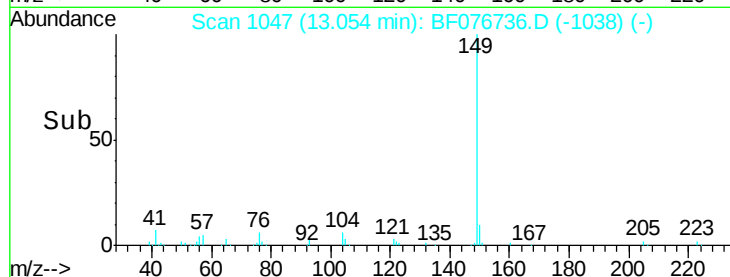
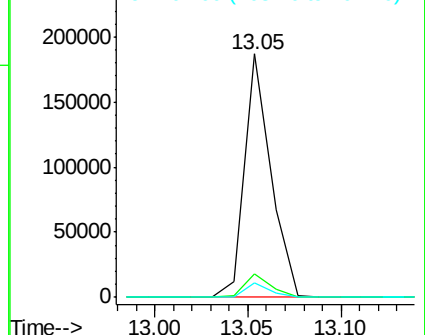
104 6.0 4.5 6.7



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 16.15 ng

RT: 13.75 min Scan# 1108

Delta R.T. 0.00 min

Lab File: BF076736.D

Acq: 2 Jan 2015 21:04

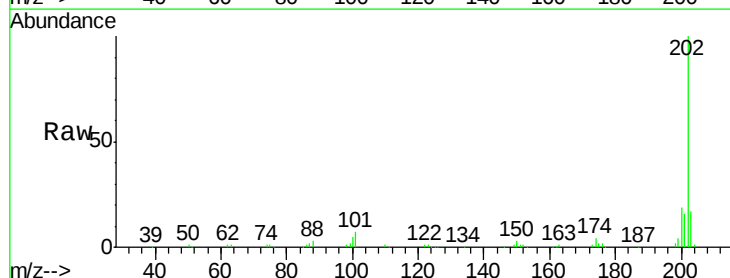
Tgt Ion:202 Resp: 165992

Ion Ratio Lower Upper

202 100

101 7.2 0.0 32.3

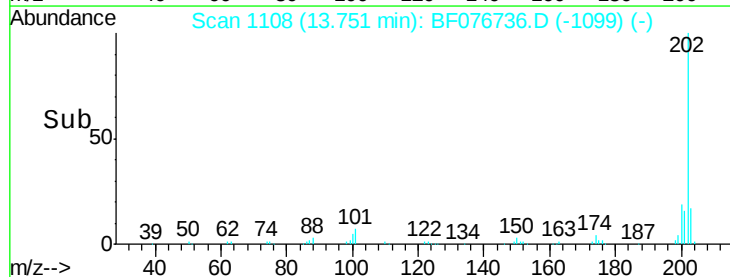
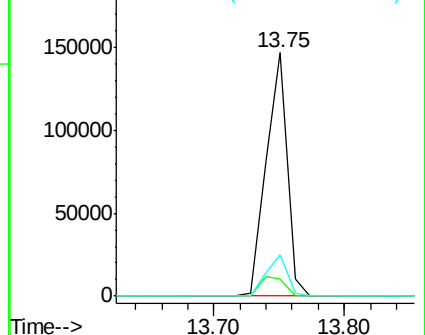
203 17.1 0.0 37.5

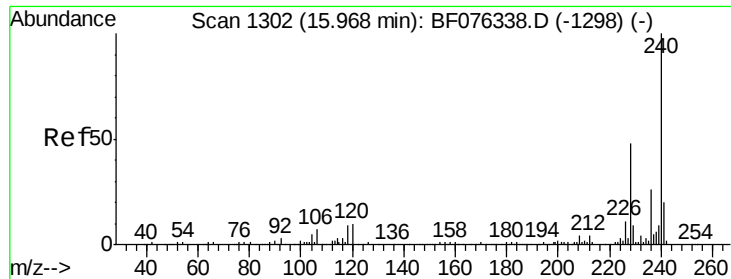


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

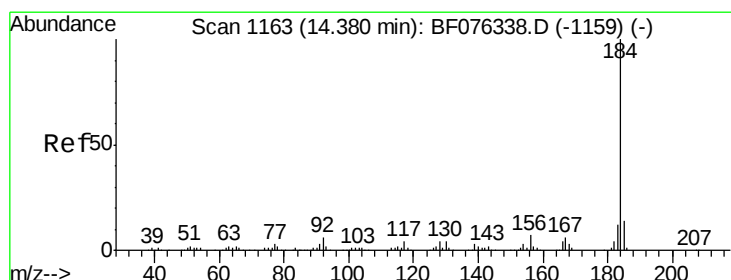
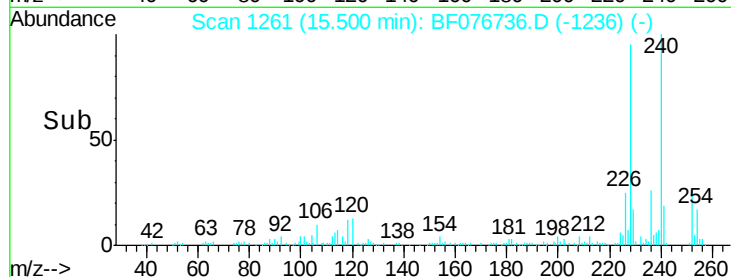
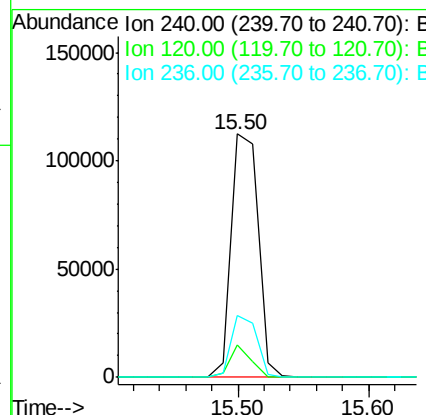
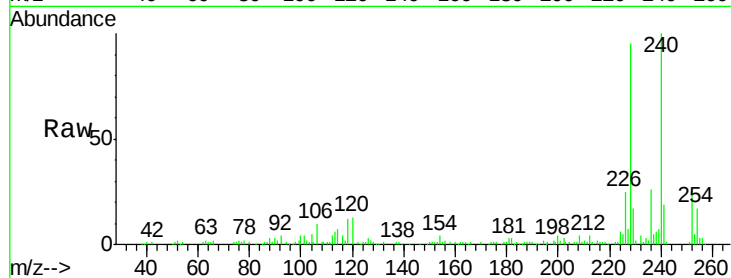




#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.50 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BF076736.D
Acq: 2 Jan 2015 21:04

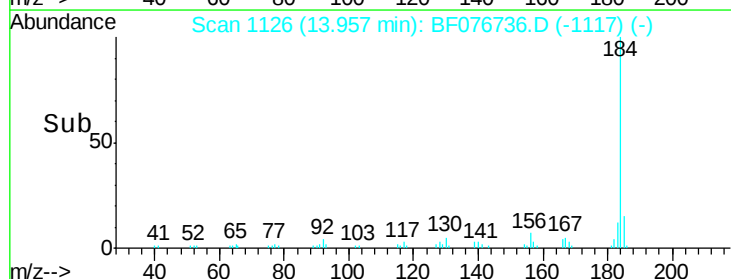
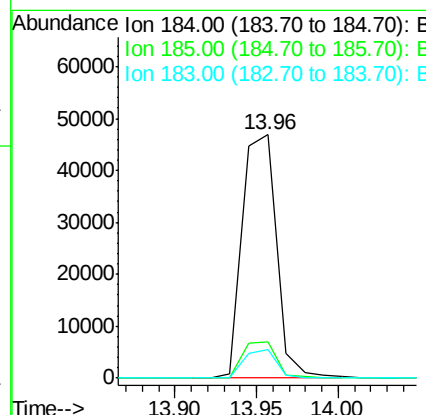
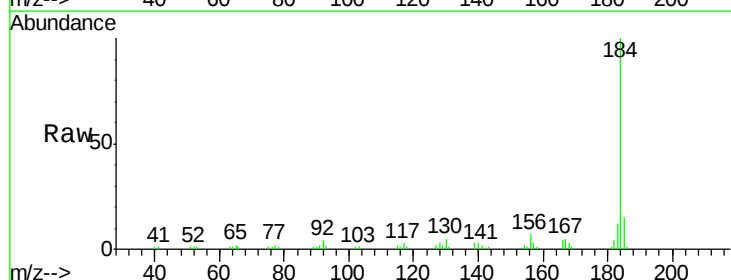
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

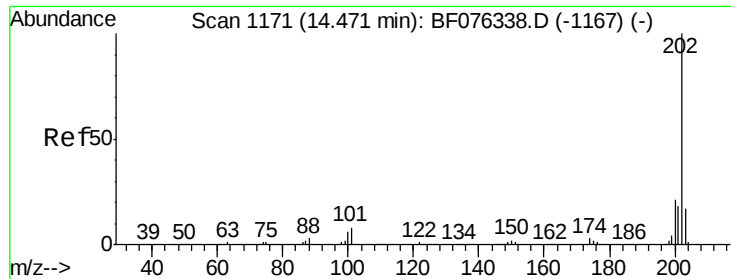
Tot Ion:240 Resp: 161224
Ion Ratio Lower Upper
240 100
120 13.3 8.0 12.0#
236 25.6 20.6 30.8



#76
Benzidine
Concen: 10.15 ng
RT: 13.96 min Scan# 1126
Delta R.T. 0.00 min
Lab File: BF076736.D
Acq: 2 Jan 2015 21:04

Tgt Ion:184 Resp: 68194
Ion Ratio Lower Upper
184 100
185 14.7 11.4 17.0
183 11.7 9.3 13.9

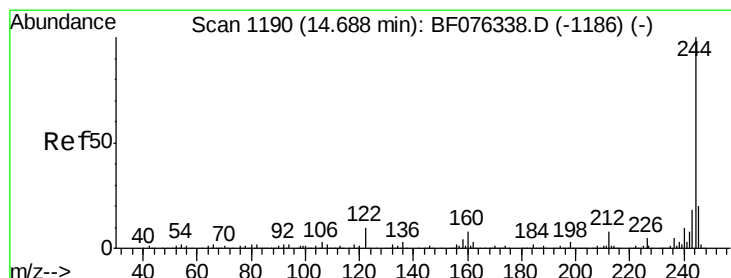
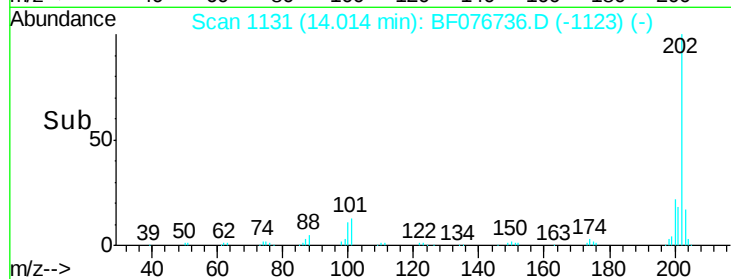
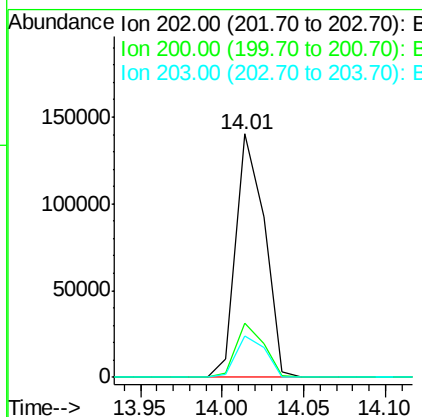
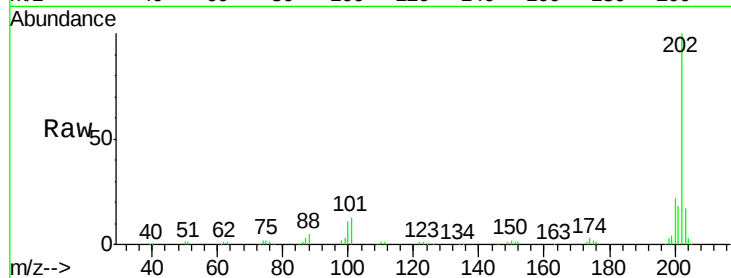




#77
 Pvrene
 Concen: 15.07 ng
 RT: 14.01 min Scan# 1131
 Delta R.T. -0.01 min
 Lab File: BF076736.D
 Acq: 2 Jan 2015 21:04

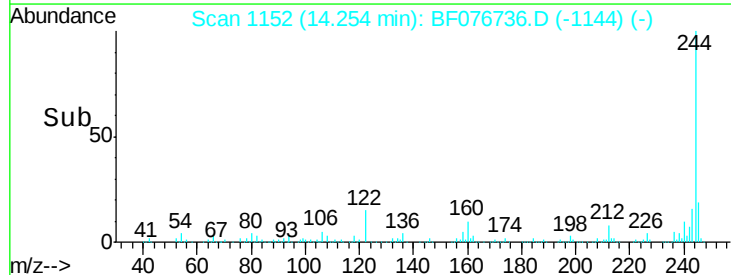
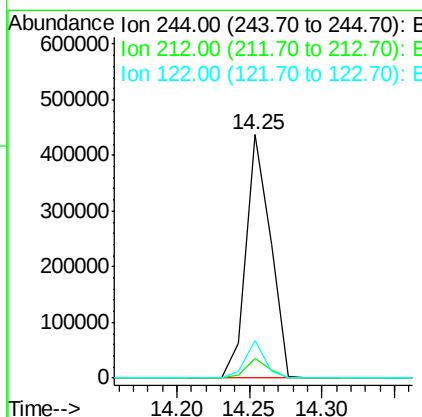
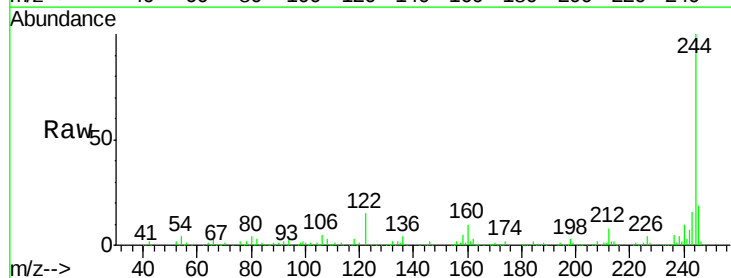
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

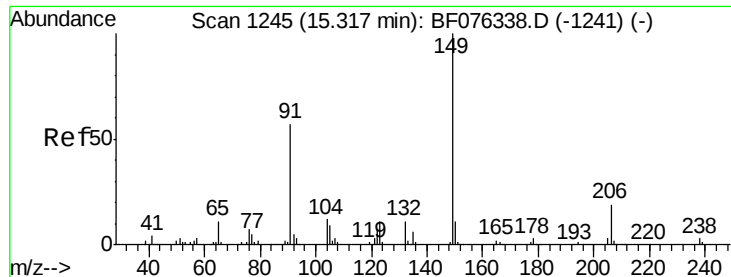
Tot Ion	Ratio	Lower	Upper
202	100		
200	22.1	16.8	25.2
203	17.1	13.5	20.3



#78
 Terphenyl-d14
 Concen: 69.82 ng
 RT: 14.25 min Scan# 1152
 Delta R.T. -0.01 min
 Lab File: BF076736.D
 Acq: 2 Jan 2015 21:04

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.2	9.2
122	15.2	8.2	12.2#

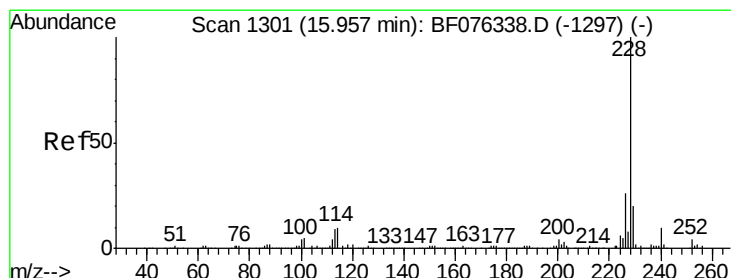
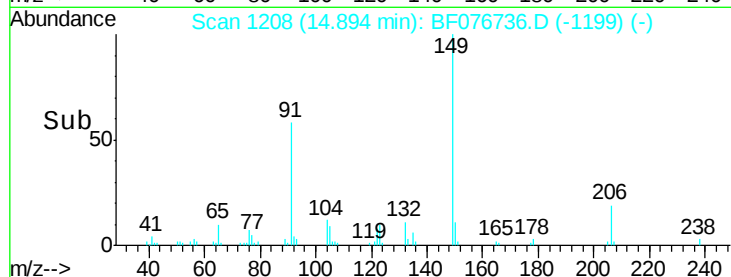
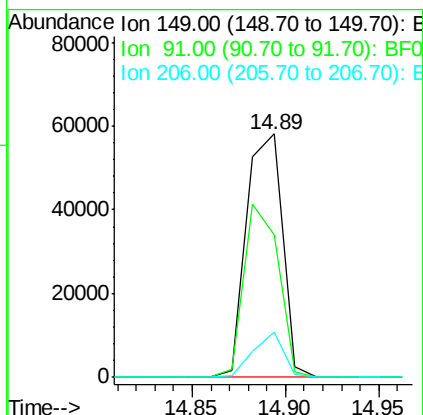
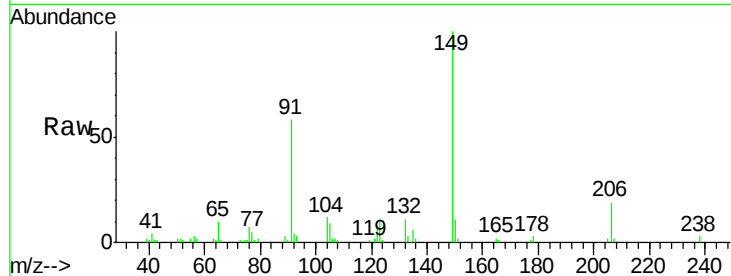




#79
Butylbenzylphthalate
Concen: 14.61 ng
RT: 14.89 min Scan# 1208
Delta R.T. 0.00 min
Lab File: BF076736.D
Acq: 2 Jan 2015 21:04

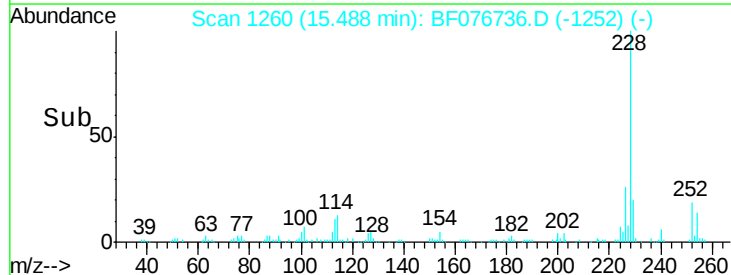
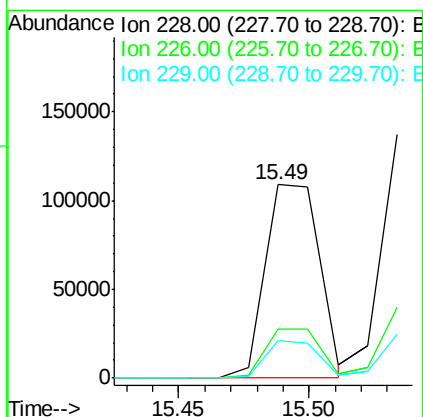
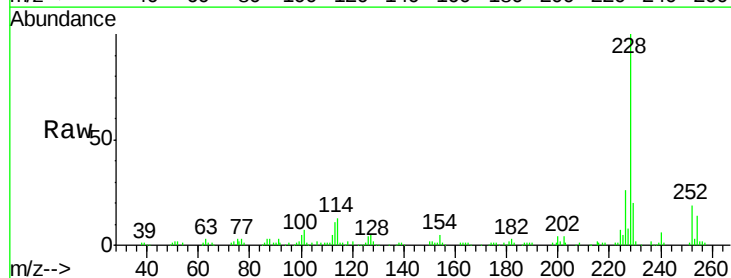
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

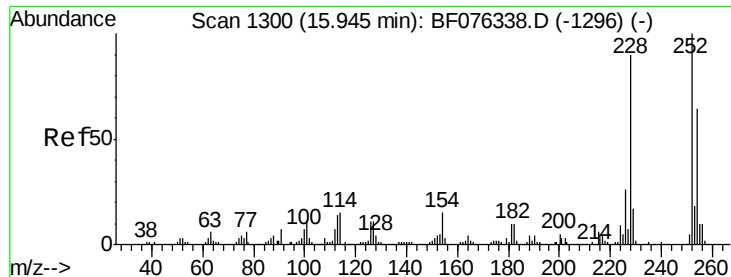
Tot Ion:149 Resp: 78775
Ion Ratio Lower Upper
149 100
91 58.3 45.9 68.9
206 18.6 15.1 22.7



#80
Benzo(a)anthracene
Concen: 15.69 ng
RT: 15.49 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BF076736.D
Acq: 2 Jan 2015 21:04

Tgt Ion:228 Resp: 157528
Ion Ratio Lower Upper
228 100
226 25.5 20.9 31.3
229 19.7 15.8 23.8

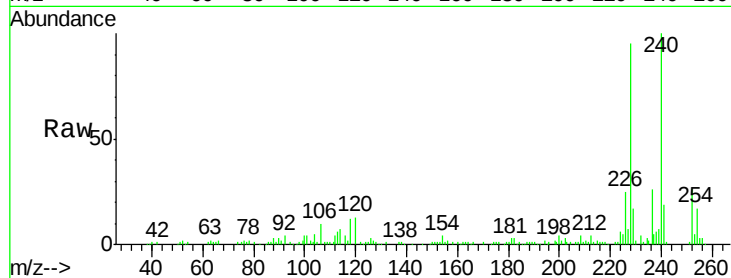




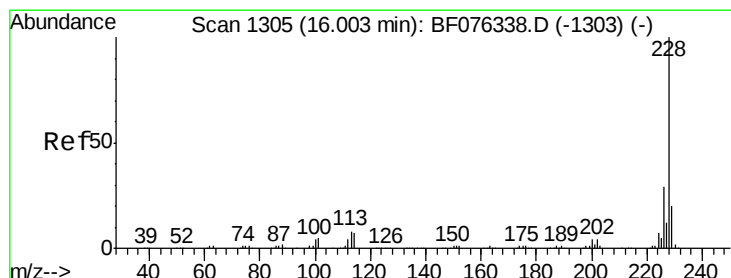
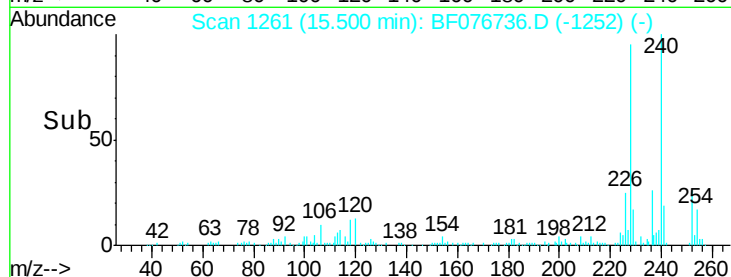
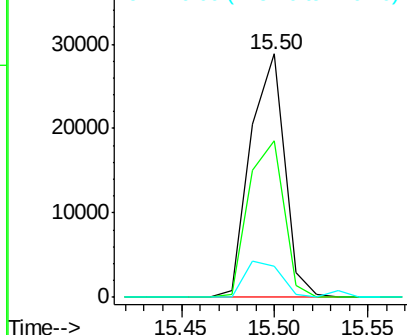
#81
 3,3'-Dichlorobenzidine
 Concen: 10.94 ng
 RT: 15.50 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: BF076736.D
 Acq: 2 Jan 2015 21:04

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Tot Ion:252 Resp: 36704
 Ion Ratio Lower Upper
 252 100
 254 64.4 50.9 76.3
 126 12.9 8.4 12.6#

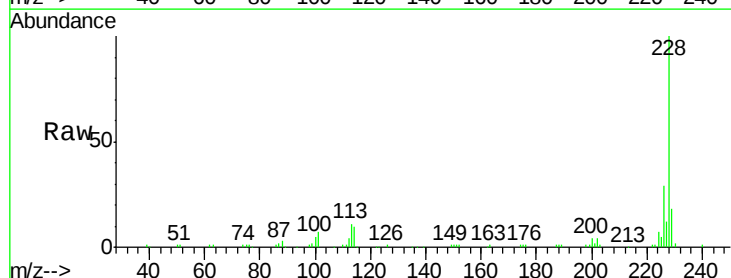


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

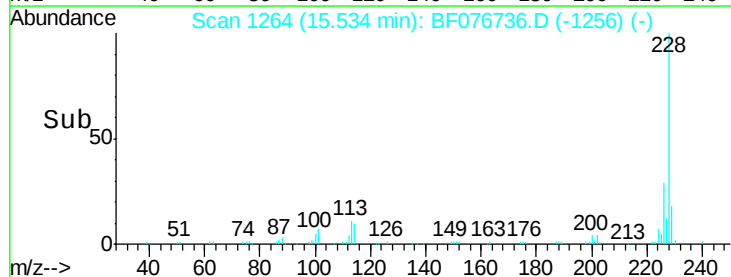
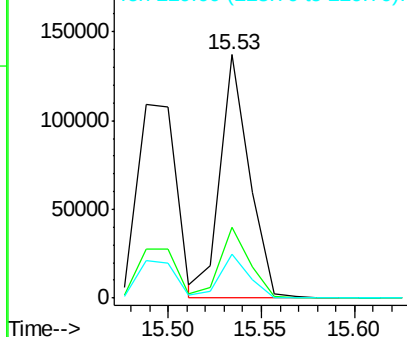


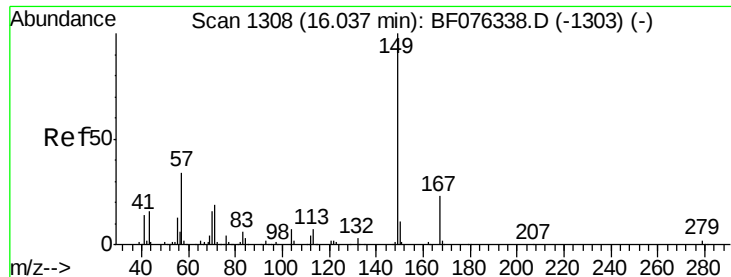
#82
 Chrysene
 Concen: 16.20 ng
 RT: 15.53 min Scan# 1264
 Delta R.T. -0.01 min
 Lab File: BF076736.D
 Acq: 2 Jan 2015 21:04

Tgt Ion:228 Resp: 148828
 Ion Ratio Lower Upper
 228 100
 226 29.1 23.4 35.0
 229 18.2 15.9 23.9



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

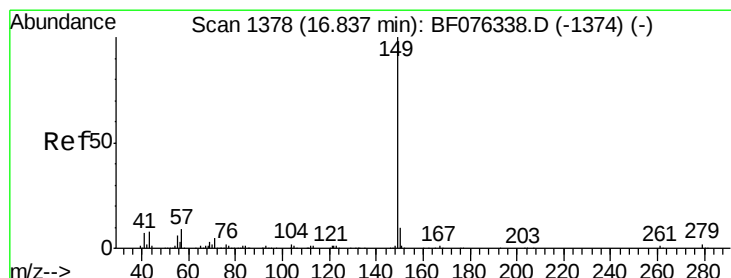
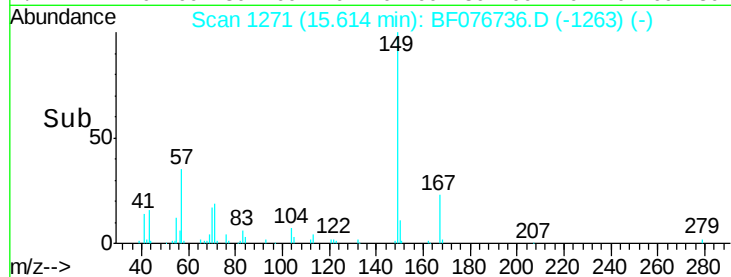
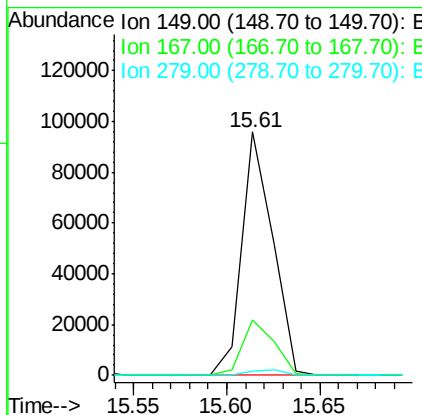
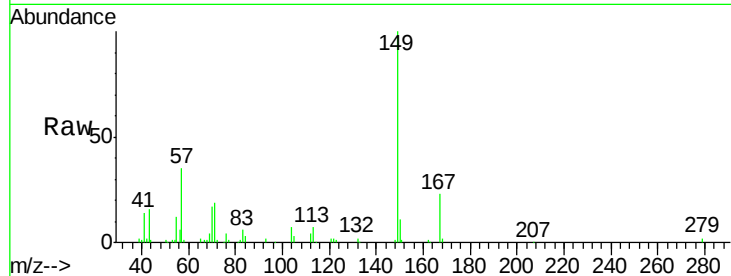




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 13.54 ng
 RT: 15.61 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: BF076736.D
 Acq: 2 Jan 2015 21:04

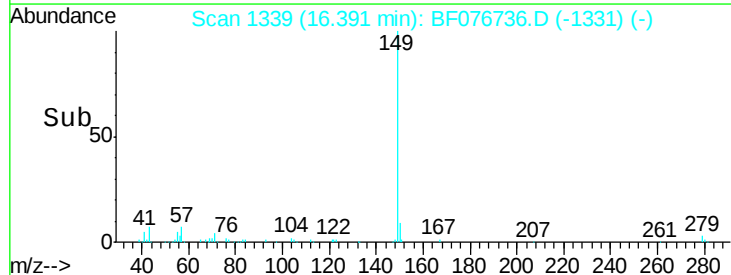
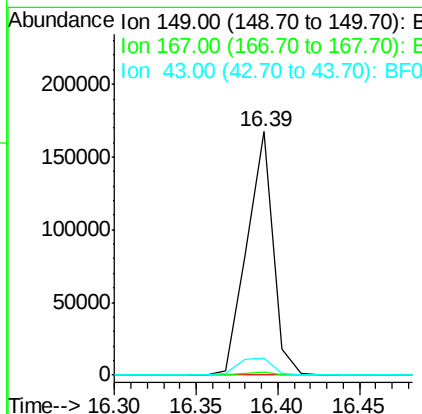
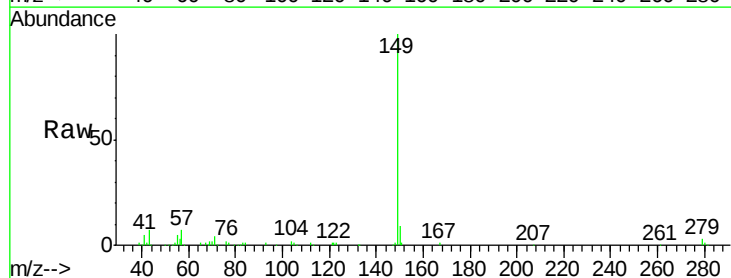
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

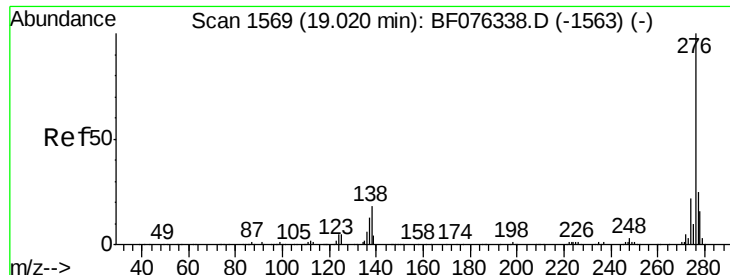
Tot Ion:149 Resp: 110443
 Ion Ratio Lower Upper
 149 100
 167 22.8 18.7 28.1
 279 1.7 1.5 2.3



#84
 Di-n-octyl phthalate
 Concen: 13.36 ng
 RT: 16.39 min Scan# 1339
 Delta R.T. -0.01 min
 Lab File: BF076736.D
 Acq: 2 Jan 2015 21:04

Tgt Ion:149 Resp: 186154
 Ion Ratio Lower Upper
 149 100
 167 1.4 1.2 1.8
 43 9.0 7.1 10.7

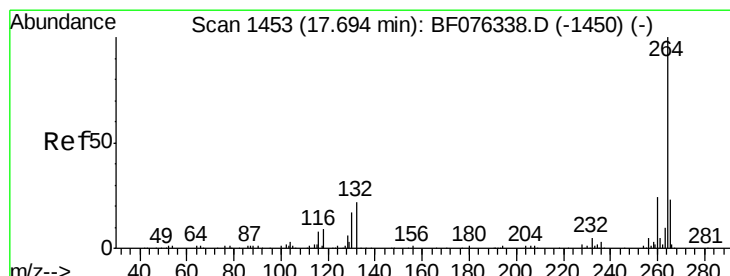
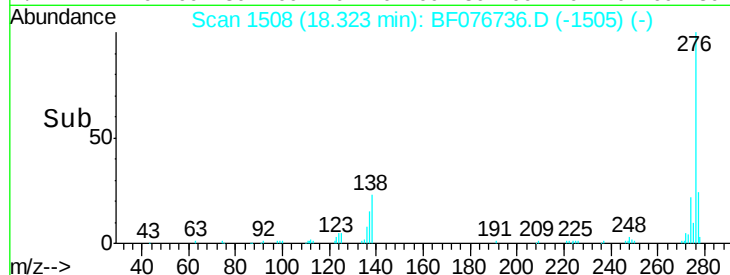
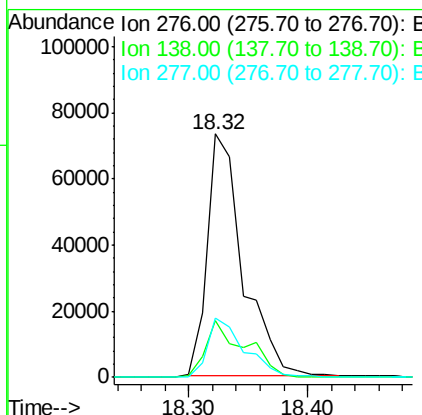
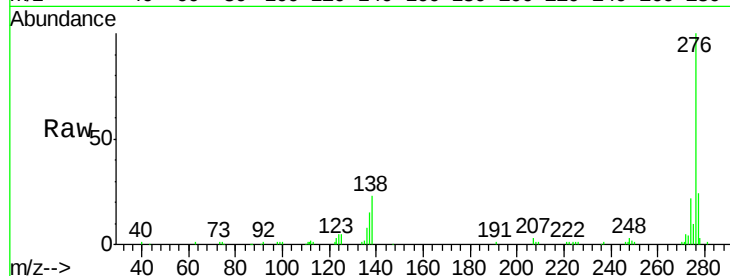




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 14.95 ng
 RT: 18.32 min Scan# 1508
 Delta R.T. -0.07 min
 Lab File: BF076736.D
 Acq: 2 Jan 2015 21:04

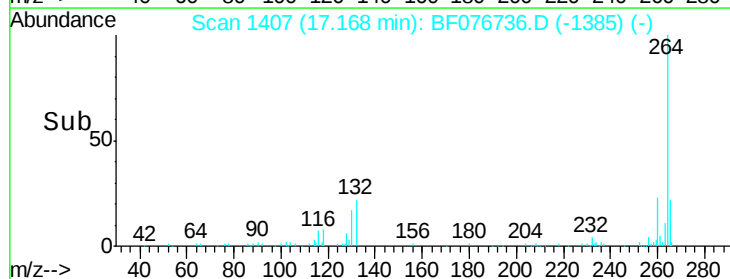
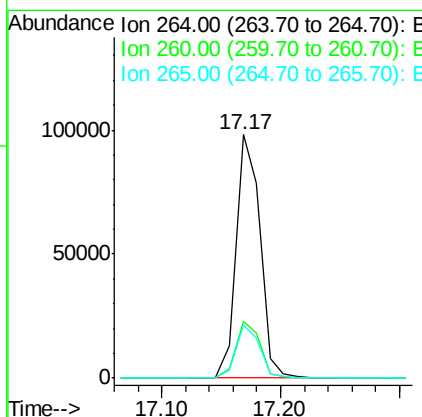
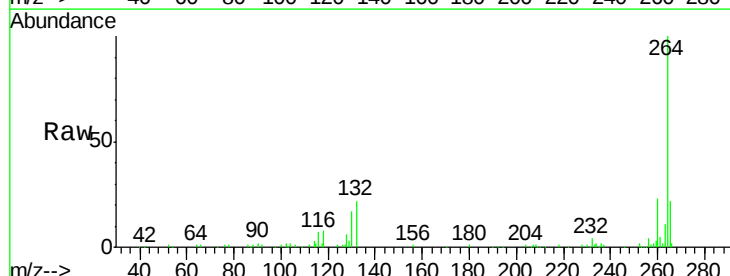
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

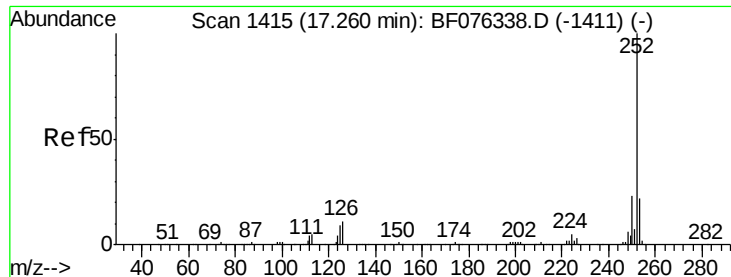
Tot Ion:276 Resp: 150749
 Ion Ratio Lower Upper
 276 100
 138 26.3 19.1 28.7
 277 25.8 18.7 28.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.17 min Scan# 1407
 Delta R.T. -0.05 min
 Lab File: BF076736.D
 Acq: 2 Jan 2015 21:04

Tgt Ion:264 Resp: 137947
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.4 29.2
 265 21.7 18.1 27.1





#87

Benzo(b)fluoranthene

Concen: 17.89 ng

RT: 16.75 min Scan# 1370

Delta R.T. -0.03 min

Lab File: BF076736.D

Acq: 2 Jan 2015 21:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

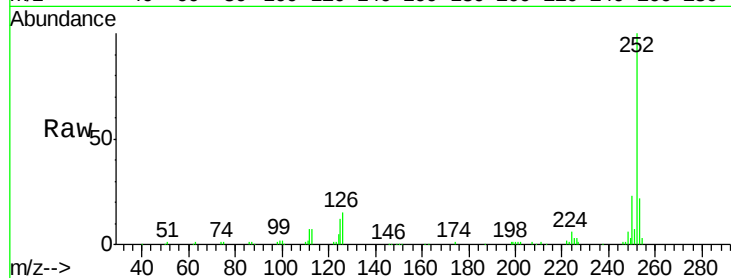
Tot Ion:252 Resp: 162847

Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

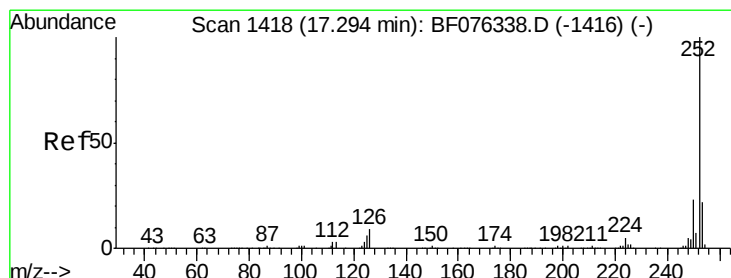
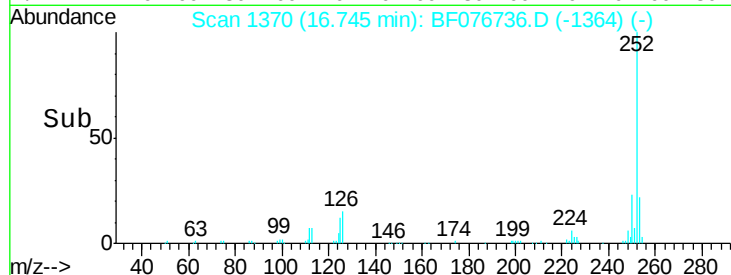
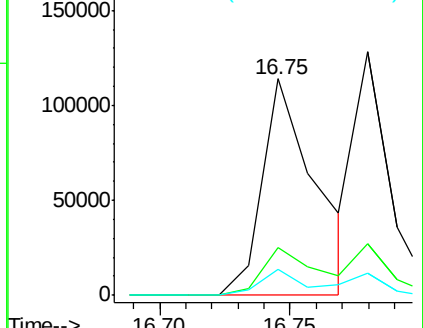
125 11.8 7.0 10.6#



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



#88

Benzo(k)fluoranthene

Concen: 14.04 ng m

RT: 16.78 min Scan# 1373

Delta R.T. -0.03 min

Lab File: BF076736.D

Acq: 2 Jan 2015 21:04

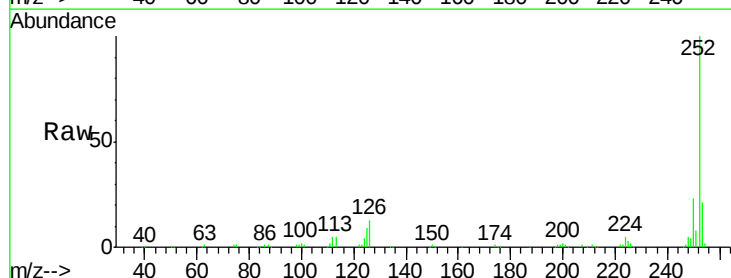
Tgt Ion:252 Resp: 118995

Ion Ratio Lower Upper

252 100

253 21.1 17.7 26.5

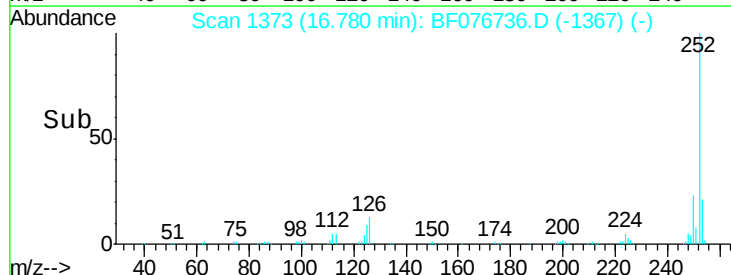
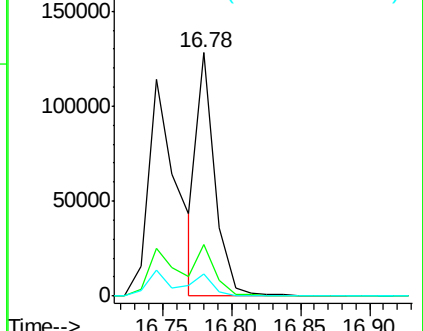
125 9.0 5.4 8.2#

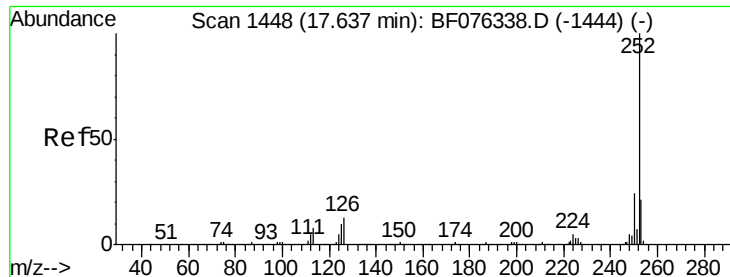


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 16.86 ng

RT: 17.11 min Scan# 1402

Delta R.T. -0.03 min

Lab File: BF076736.D

Acq: 2 Jan 2015 21:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

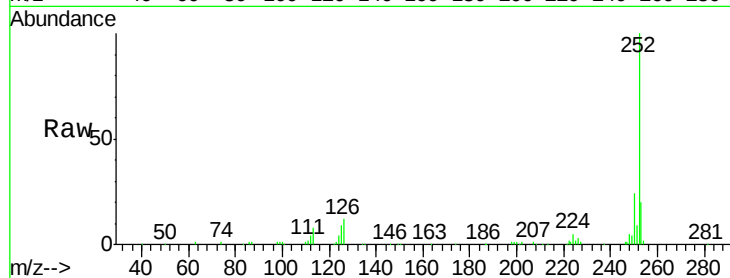
Tot Ion:252 Resp: 136938

Ion Ratio Lower Upper

252 100

253 19.9 17.0 25.4

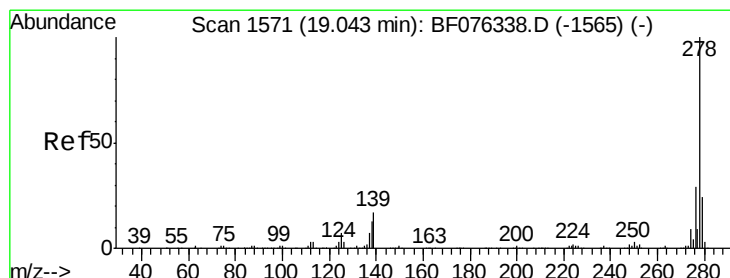
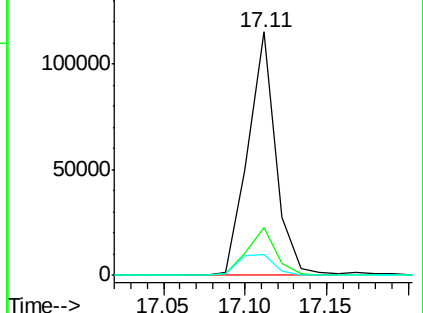
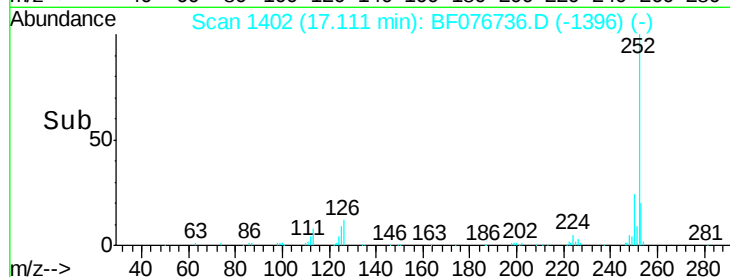
125 8.6 8.2 12.2



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: 16.33 ng

RT: 18.36 min Scan# 1511

Delta R.T. -0.07 min

Lab File: BF076736.D

Acq: 2 Jan 2015 21:04

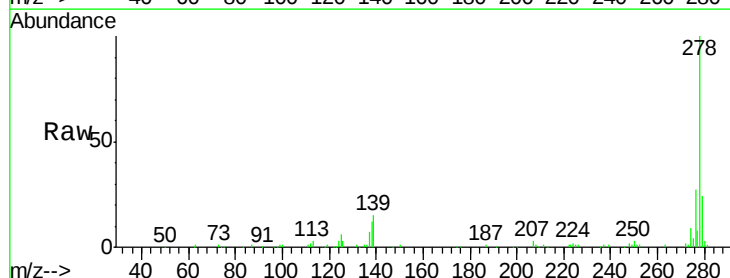
Tgt Ion:278 Resp: 131460

Ion Ratio Lower Upper

278 100

139 15.5 13.8 20.8

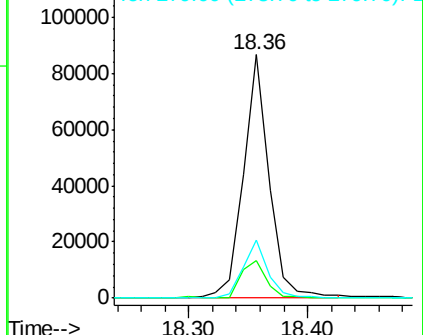
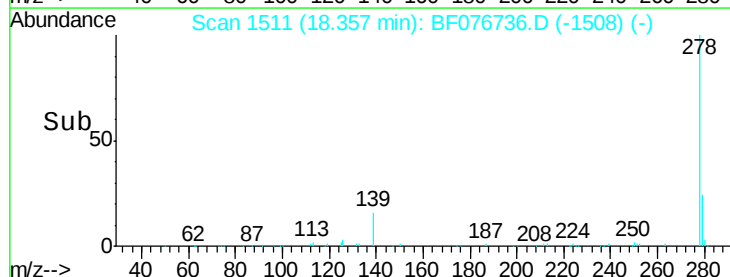
279 23.8 19.0 28.6

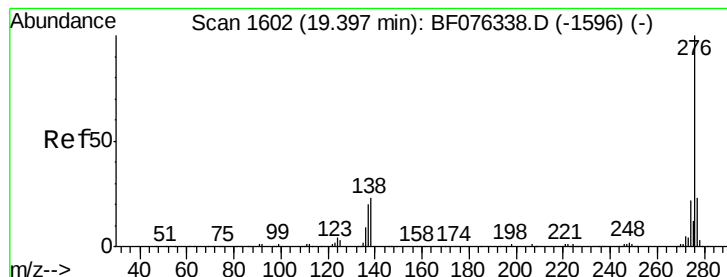


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

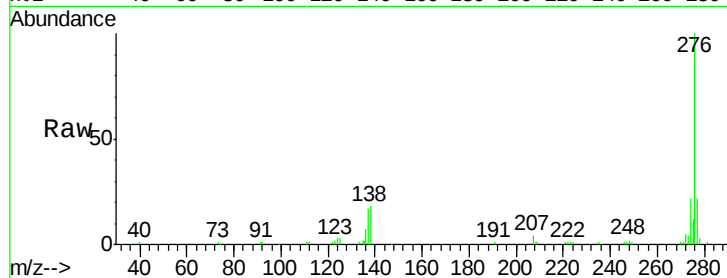




#91
 Benzo(a,h,i)perylene
 Concen: 16.35 ng
 RT: 18.64 min Scan# 1536
 Delta R.T. -0.07 min
 Lab File: BF076736.D
 Acq: 2 Jan 2015 21:04

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Tot Ion:276 Resp: 128068
 Ion Ratio Lower Upper
 276 100
 277 22.5 18.6 28.0
 138 18.3 18.2 27.4



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

