

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF123115\
 Data File : BF084196.D
 Acq On : 31 Dec 2015 15:52
 Operator : UM/SJ
 Sample : G4825-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Quant Time: Jan 01 22:52:32 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 31 14:15:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	322708	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	1292798	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	612961	20.00	ng	-0.01
63) Phenanthrene-d10	11.43	188	1180587	20.00	ng	0.00
75) Chrysene-d12	14.05	240	858536	20.00	ng	-0.01
86) Perylene-d12	15.49	264	646676	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	1980840	99.28	ng	0.01
7) Phenol-d6	6.53	99	2941655	117.40	ng	0.00
23) Nitrobenzene-d5	7.46	82	1689015	72.71	ng	-0.01
41) 2,4,6-Tribromophenol	10.73	330	638819	103.23	ng	-0.01
44) 2-Fluorobiphenyl	9.26	172	2681303	76.30	ng	0.00
78) Terphenyl-d14	13.01	244	2631492	68.42	ng	0.00

Target Compounds

						Qvalue
3) Pyridine	3.40	79	70469	2.67	ng	# 71
4) n-Nitrosodimethylamine	3.26	42	54995	4.07	ng	# 66
6) Aniline	6.56	93	117044	3.19	ng	# 80
8) 2-Chlorophenol	6.68	128	107442	4.75	ng	94
9) Benzaldehyde	6.44	77	81228	4.98	ng	93
10) Phenol	6.54	94	76229	2.68	ng	78
11) bis(2-Chloroethyl)ether	6.64	93	98587	4.47	ng	90
12) 1,3-Dichlorobenzene	6.84	146	97993	4.20	ng	98
13) 1,4-Dichlorobenzene	7.07	146	102606	4.38	ng	95
14) 1,2-Dichlorobenzene	7.07	146	102606	4.58	ng	98
15) Benzyl Alcohol	7.04	79	110319	5.23	ng	95
16) 2,2'-oxybis(1-Chloropropan	7.18	45	167189	4.16	ng	84
17) 2-Methylphenol	7.15	107	75979	4.00	ng	97
18) Hexachloroethane	7.41	117	36697	3.92	ng	92
19) n-Nitroso-di-n-propylamine	7.31	70	70771	4.17	ng	# 77
20) 3+4-Methylphenols	7.30	107	97480	4.37	ng	# 75
22) Acetophenone	7.31	105	134885	4.34	ng	# 89
24) Nitrobenzene	7.48	77	107645	4.57	ng	97
25) Isophorone	7.72	82	179570	4.04	ng	# 93
26) 2-Nitrophenol	7.80	139	37450	3.49	ng	96
27) 2,4-Dimethylphenol	7.84	122	91078	4.20	ng	94
28) bis(2-Chloroethoxy)methane	7.94	93	110885	4.09	ng	97
29) 2,4-Dichlorophenol	8.04	162	69929	3.87	ng	93
30) 1,2,4-Trichlorobenzene	8.12	180	79449	4.26	ng	# 94
31) Naphthalene	8.20	128	263675	4.50	ng	99
32) Benzoic acid	7.88	122	16483	7.28	ng	98
33) 4-Chloroaniline	8.25	127	99496	3.70	ng	97
34) Hexachlorobutadiene	8.33	225	45011	4.20	ng	100
35) Caprolactam	8.58	113	23665	3.88	ng	# 46
36) 4-Chloro-3-methylphenol	8.73	107	90434	4.47	ng	96
37) 2-Methylnaphthalene	8.90	142	196854	4.68	ng	97
39) 1,2,4,5-Tetrachlorobenzene	9.06	216	74079	4.20	ng	99
40) Hexachlorocyclopentadiene	9.06	237	36498	3.43	ng	97
42) 2,4,6-Trichlorophenol	9.17	196	50020	3.79	ng	95

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF123115\
 Data File : BF084196.D
 Acq On : 31 Dec 2015 15:52
 Operator : UM/SJ
 Sample : G4825-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Quant Time: Jan 01 22:52:32 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 31 14:15:57 2015
 Response via : Initial Calibration

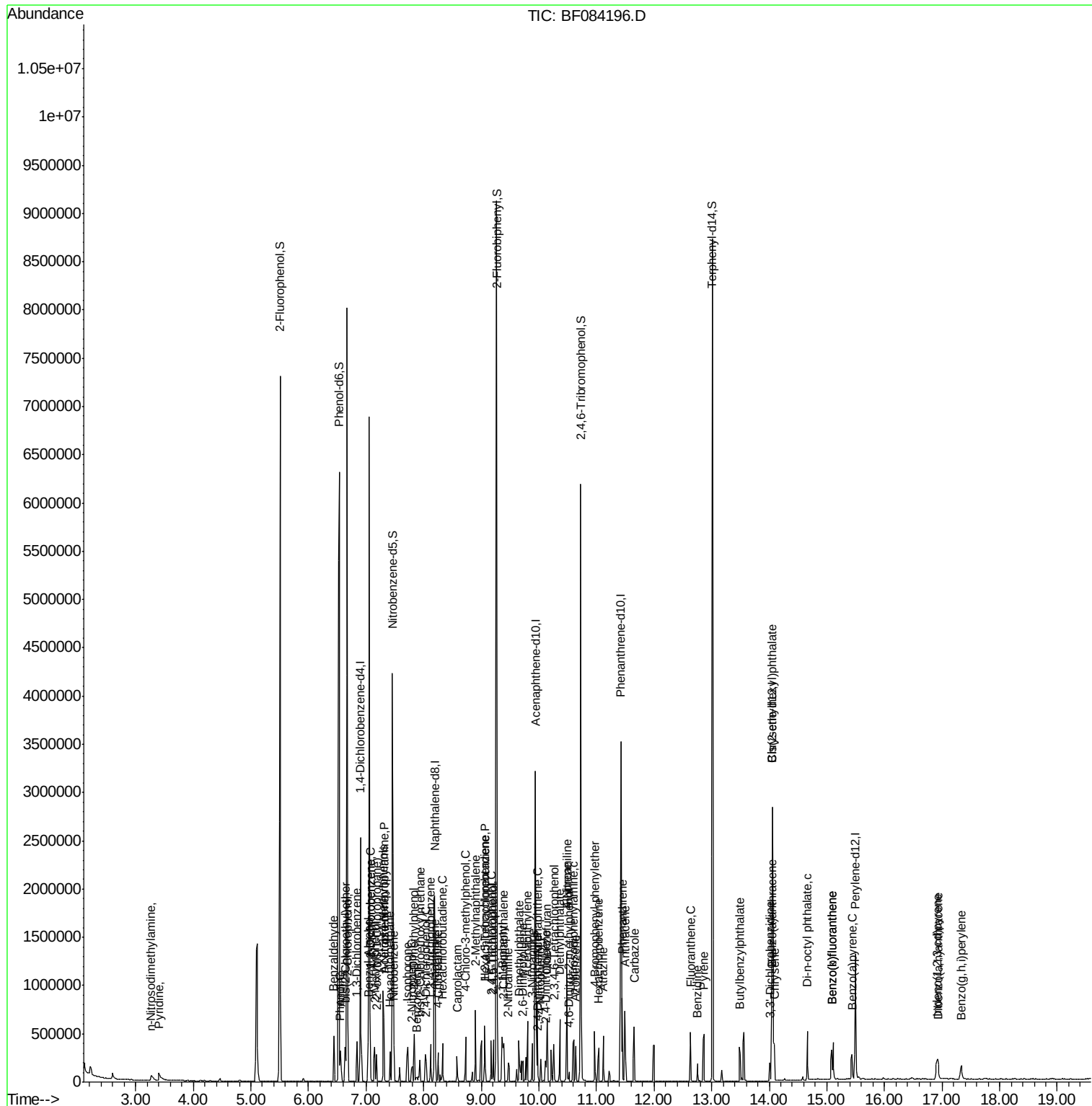
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	9.21	196	56661	4.48	ng	# 90
45) 1,1'-Biphenyl	9.37	154	226565	4.65	ng	92
46) 2-Chloronaphthalene	9.39	162	163343	4.27	ng	# 88
47) 2-Nitroaniline	9.47	65	42442	3.36	ng	# 84
48) Acenaphthylene	9.80	152	274129	4.85	ng	99
49) Dimethylphthalate	9.65	163	189967	4.34	ng	# 89
50) 2,6-Dinitrotoluene	9.72	165	36937	3.84	ng	100
51) Acenaphthene	9.97	154	183366	4.84	ng	96
52) 3-Nitroaniline	9.88	138	48464	4.07	ng	94
53) 2,4-Dinitrophenol	9.98	184	2422	4.12	ng	# 1
54) Dibenzofuran	10.14	168	252039	2.31	ng	99
55) 4-Nitrophenol	10.03	139	27724	3.21	ng	# 73
56) 2,4-Dinitrotoluene	10.12	165	46175	3.80	ng	# 66
57) Fluorene	10.49	166	198348	3.00	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.26	232	42718	3.96	ng	93
59) Diethylphthalate	10.36	149	214784	4.97	ng	100
60) 4-Chlorophenyl-phenylether	10.49	204	84575	Below Cal		# 85
61) 4-Nitroaniline	10.49	138	41955	3.95	ng	93
62) Azobenzene	10.64	77	188080	3.97	ng	82
64) 4,6-Dinitro-2-methylphenol	10.52	198	11089	7.54	ng	86
65) n-Nitrosodiphenylamine	10.60	169	157126	4.16	ng	98
66) 4-Bromophenyl-phenylether	10.97	248	52089	4.10	ng	# 68
67) Hexachlorobenzene	11.04	284	61774	4.32	ng	# 90
68) Atrazine	11.12	200	49811	4.03	ng	96
70) Phenanthrene	11.45	178	305843	4.95	ng	99
71) Anthracene	11.49	178	294647	4.87	ng	98
72) Carbazole	11.65	167	251571	4.25	ng	97
74) Fluoranthene	12.64	202	279730	4.34	ng	94
76) Benzidine	12.75	184	76329	2.48	ng	96
77) Pyrene	12.87	202	290499	4.31	ng	97
79) Butylbenzylphthalate	13.49	149	107959	3.70	ng	# 81
80) Benzo(a)anthracene	14.04	228	216451	4.29	ng	100
81) 3,3'-Dichlorobenzidine	14.01	252	41268	2.35	ng	# 91
82) Chrysene	14.09	228	201357	4.16	ng	98
83) Bis(2-ethylhexyl)phthalate	14.05	149	156596	4.25	ng	# 93
84) Di-n-octyl phthalate	14.66	149	235678	3.79	ng	# 87
85) Indeno(1,2,3-cd)pyrene	16.91	276	148354	3.86	ng	99
87) Benzo(b)fluoranthene	15.08	252	168705	3.99	ng	98
88) Benzo(k)fluoranthene	15.08	252	168705	4.88	ng	# 94
89) Benzo(a)pyrene	15.44	252	145343	4.05	ng	98
90) Dibenzo(a,h)anthracene	16.93	278	122538	3.97	ng	94
91) Benzo(g,h,i)perylene	17.33	276	121863	3.81	ng	95

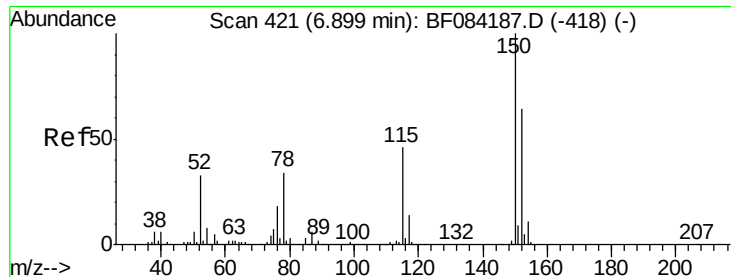
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF123115\
 Data File : BF084196.D
 Acq On : 31 Dec 2015 15:52
 Operator : UM/SJ
 Sample : G4825-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Quant Time: Jan 01 22:52:32 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 31 14:15:57 2015
 Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 421

Delta R.T. 0.00 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

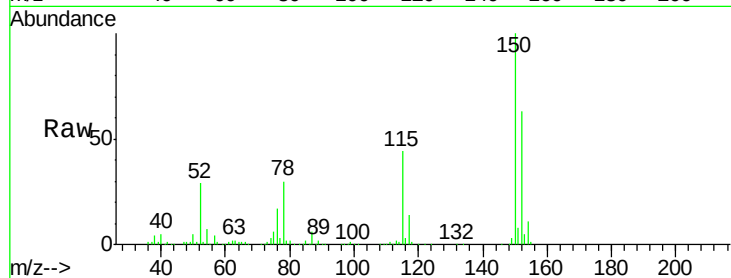
Tgt Ion:152 Resp: 322708

Ion Ratio Lower Upper

152 100

150 157.7 123.0 184.4

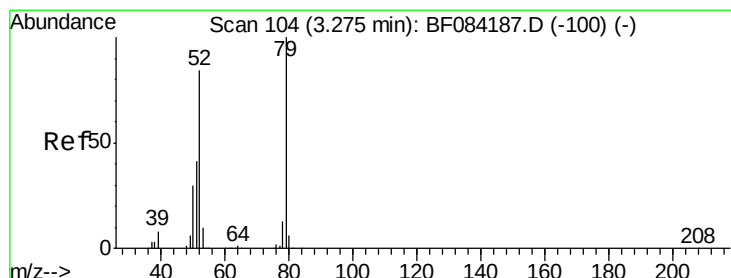
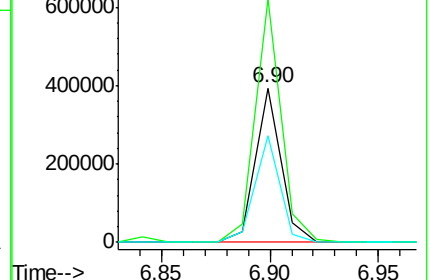
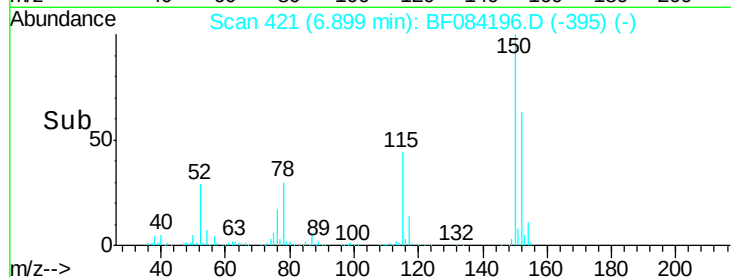
115 69.0 51.4 77.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#3

Pyridine

Concen: 2.67 ng

RT: 3.40 min Scan# 115

Delta R.T. 0.13 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

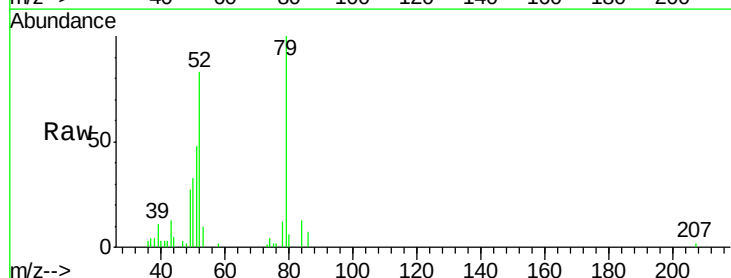
Tgt Ion: 79 Resp: 70469

Ion Ratio Lower Upper

79 100

52 82.8 49.0 73.4#

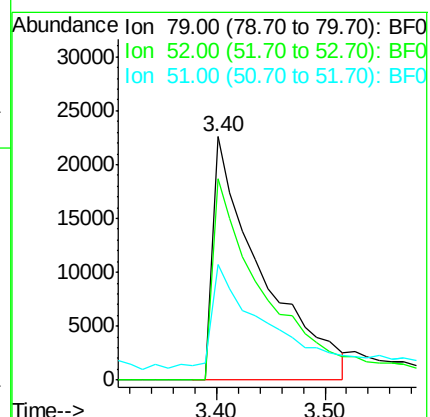
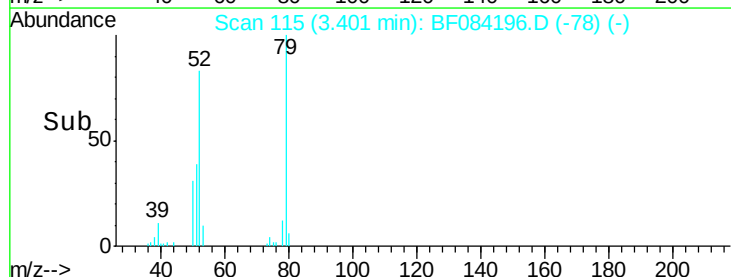
51 47.6 25.2 37.8#

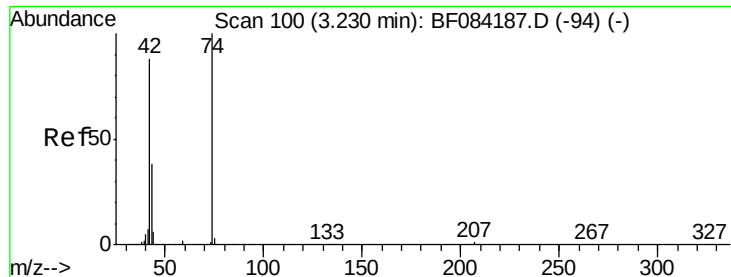


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0





#4

n-Nitrosodimethylamine

Concen: 4.07 ng

RT: 3.26 min Scan# 103

Delta R.T. 0.03 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

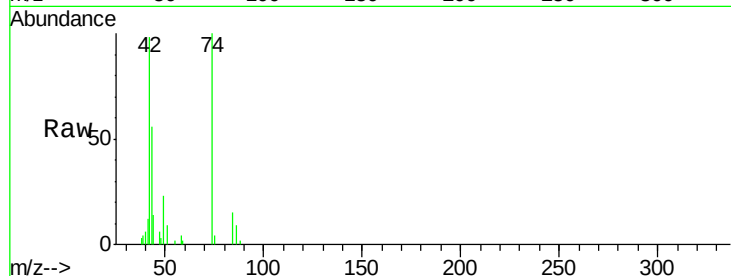
Tgt Ion: 42 Resp: 54995

Ion Ratio Lower Upper

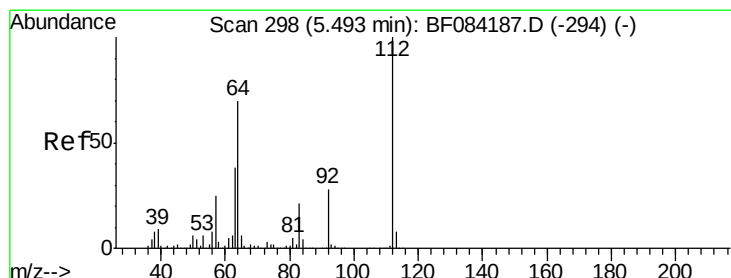
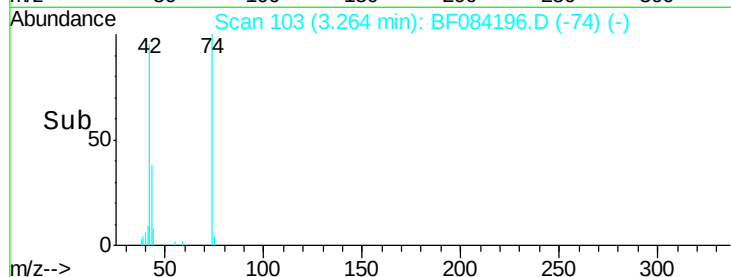
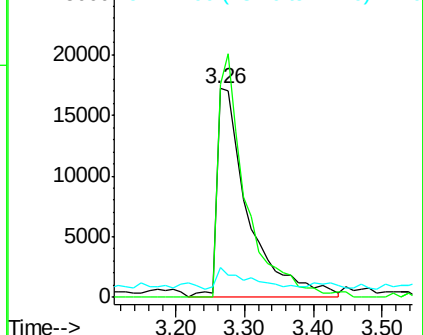
42 100

74 102.0 115.7 173.5#

44 14.3 5.1 7.7#



Abundance Ion 42.00 (41.70 to 42.70): BF0
Ion 74.00 (73.70 to 74.70): BF0
Ion 44.00 (43.70 to 44.70): BF0



#5

2-Fluorophenol

Concen: 99.28 ng

RT: 5.50 min Scan# 299

Delta R.T. 0.01 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

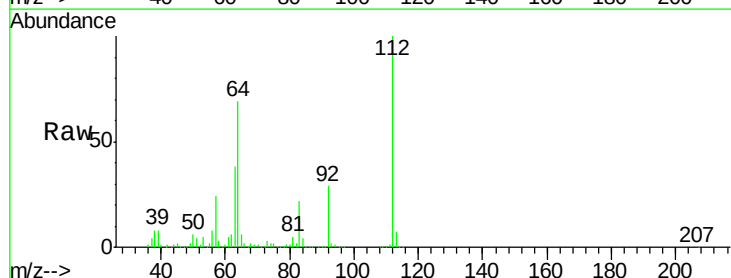
Tgt Ion: 112 Resp: 1980840

Ion Ratio Lower Upper

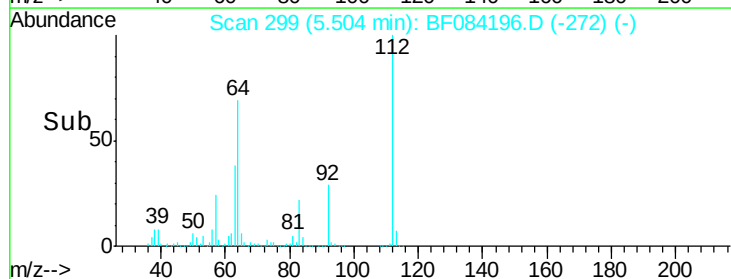
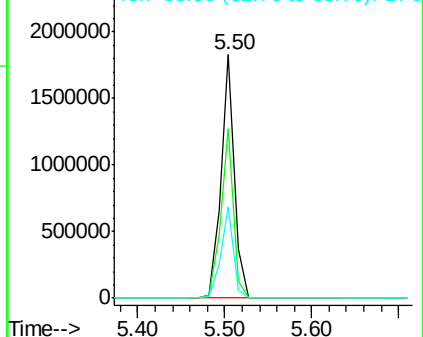
112 100

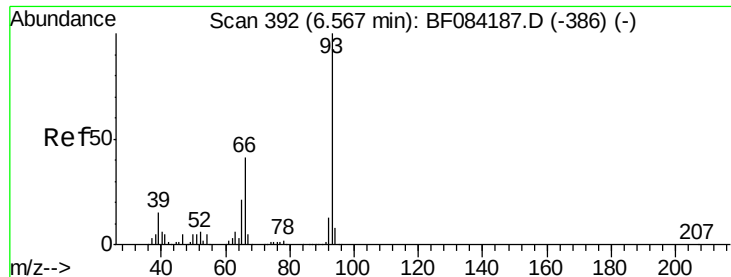
64 69.5 36.6 55.0#

63 37.6 19.4 29.0#



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: 3.19 ng

RT: 6.56 min Scan# 391

Delta R.T. -0.01 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

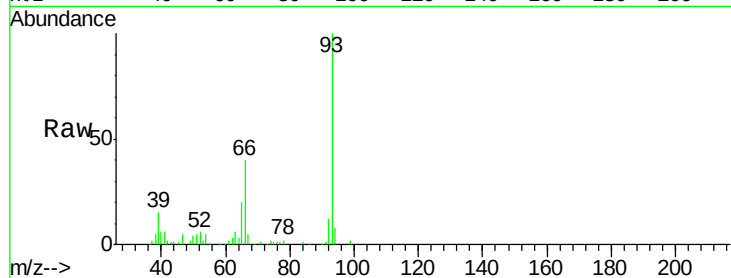
Tgt Ion: 93 Resp: 117044

Ion Ratio Lower Upper

93 100

66 40.4 44.9 67.3#

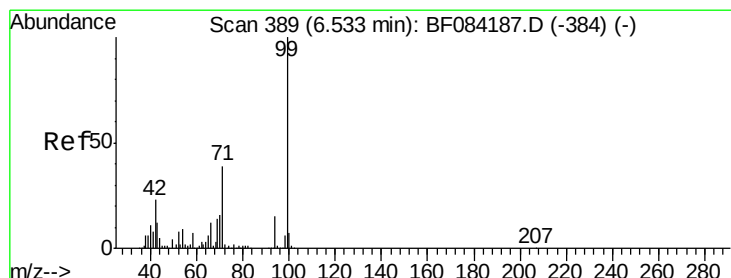
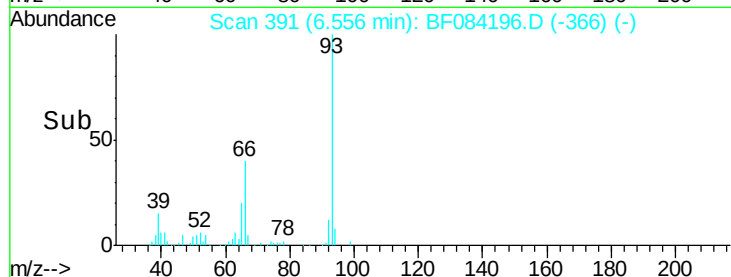
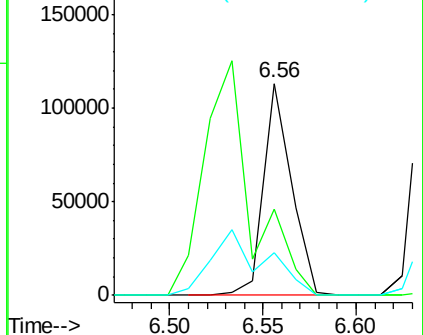
65 20.4 23.7 35.5#



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: 117.40 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.00 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

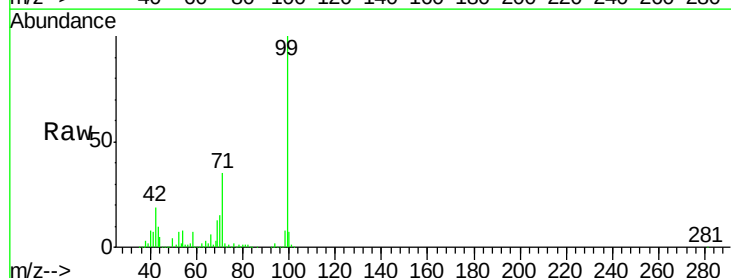
Tgt Ion: 99 Resp: 2941655

Ion Ratio Lower Upper

99 100

42 18.8 12.8 19.2

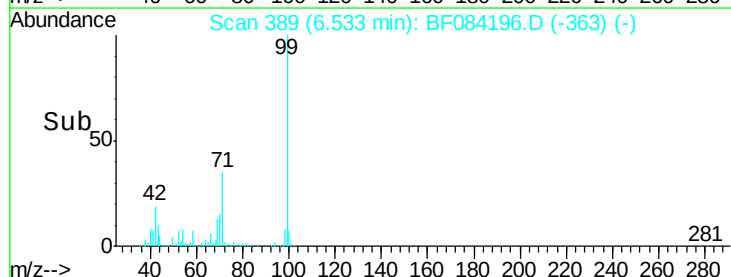
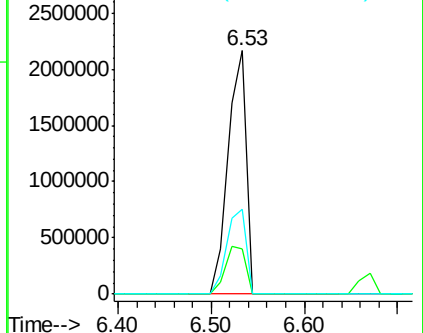
71 35.0 30.9 46.3

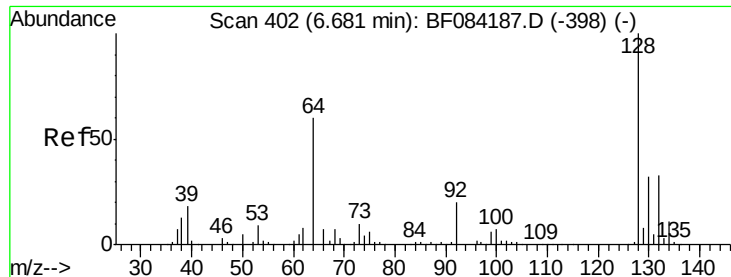


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#8

2-Chlorophenol

Concen: 4.75 ng

RT: 6.68 min Scan# 402

Delta R.T. 0.00 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

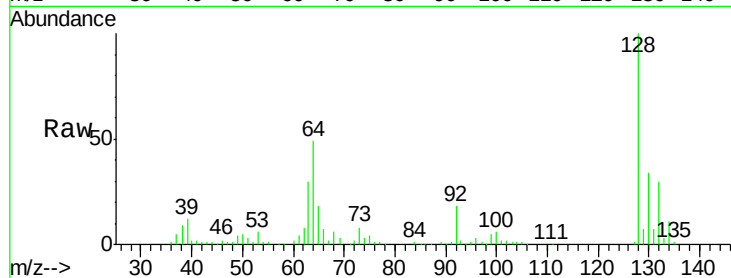
Tgt Ion:128 Resp: 107442

Ion Ratio Lower Upper

128 100

130 33.6 11.6 51.6

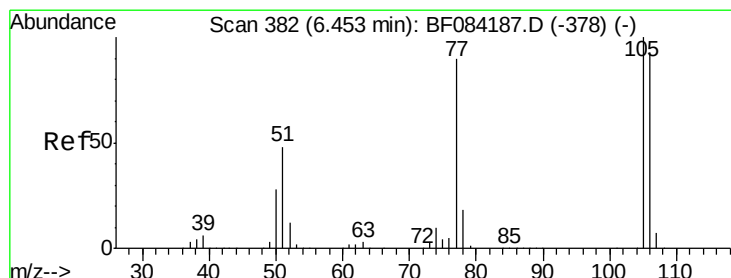
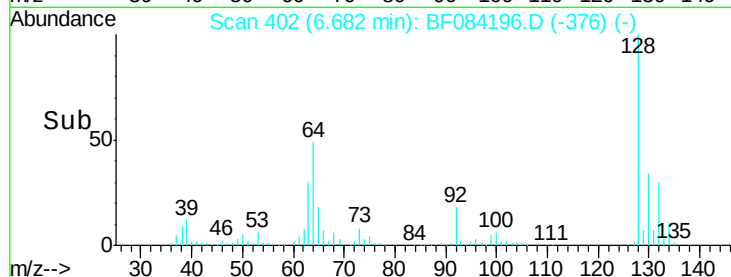
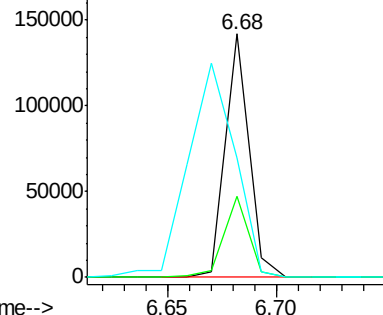
64 49.0 23.8 63.8



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: 4.98 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.01 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

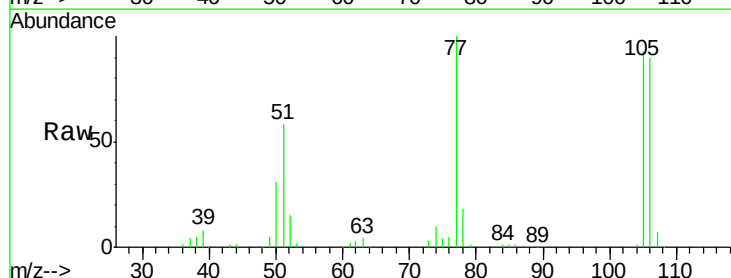
Tgt Ion: 77 Resp: 81228

Ion Ratio Lower Upper

77 100

105 93.4 83.0 123.0

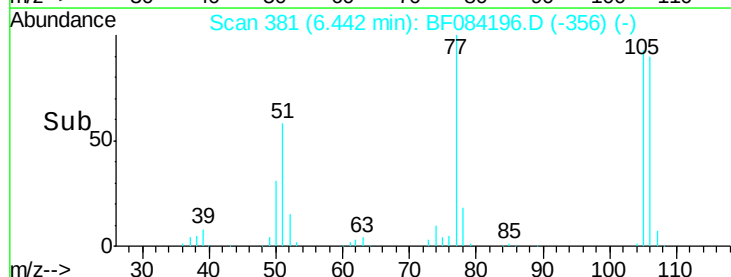
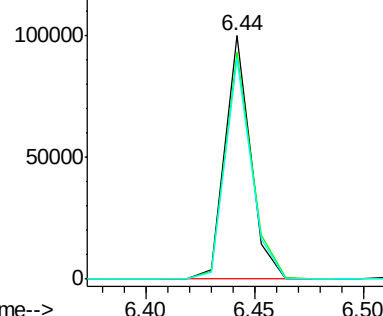
106 90.4 74.6 114.6

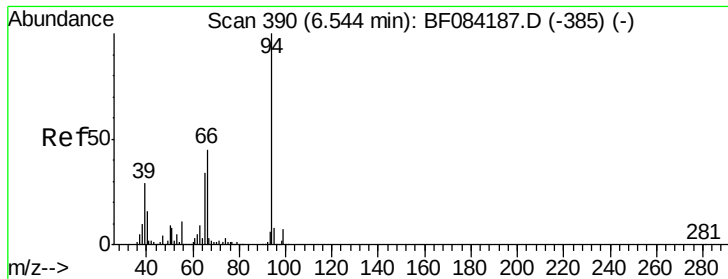


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 2.68 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.00 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

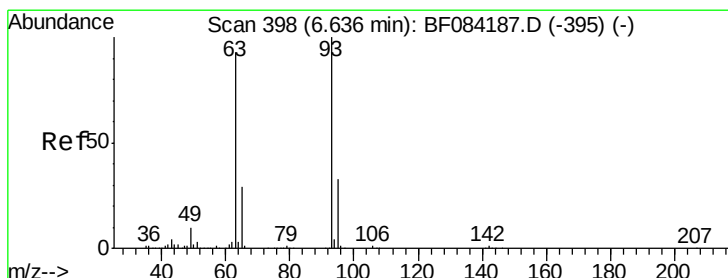
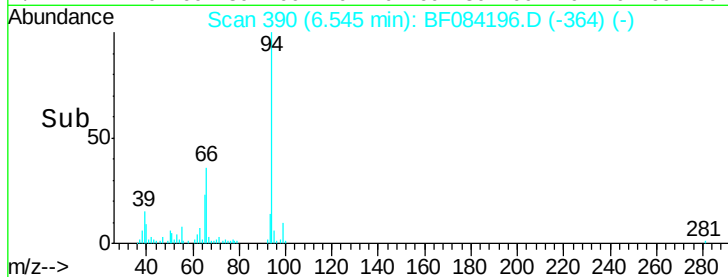
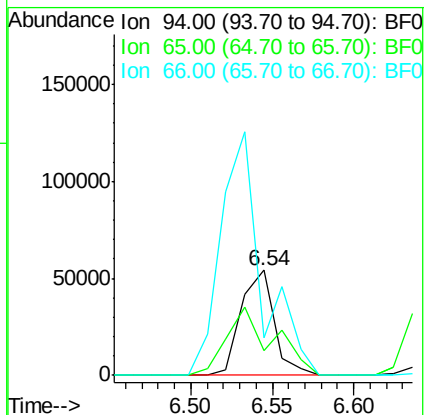
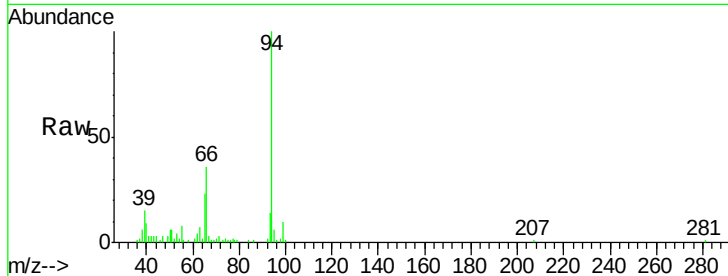
Tgt Ion: 94 Resp: 76229

Ion Ratio Lower Upper

94 100

65 23.1 12.9 52.9

66 35.6 32.7 72.7



#11

bis(2-Chloroethyl)ether

Concen: 4.47 ng

RT: 6.64 min Scan# 398

Delta R.T. 0.00 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

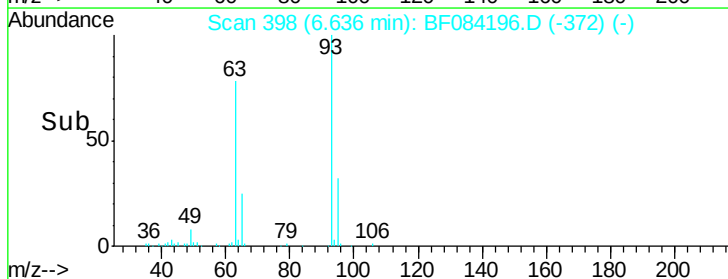
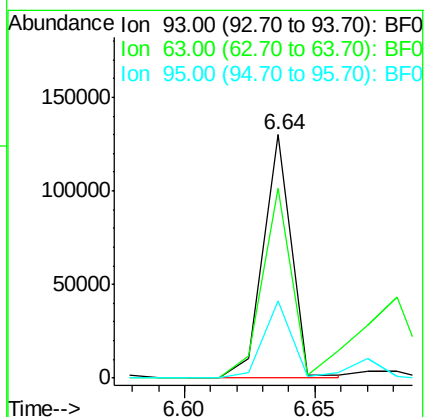
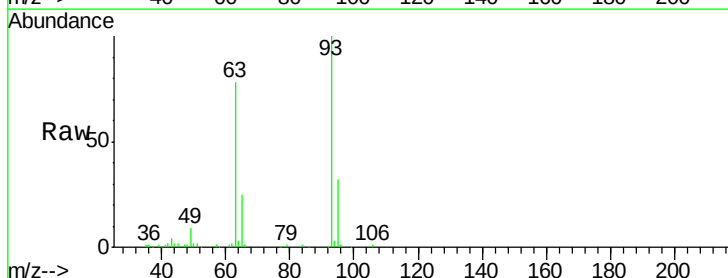
Tgt Ion: 93 Resp: 98587

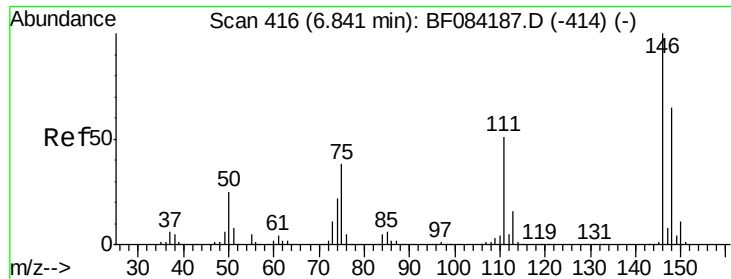
Ion Ratio Lower Upper

93 100

63 77.9 45.9 85.9

95 31.9 12.3 52.3

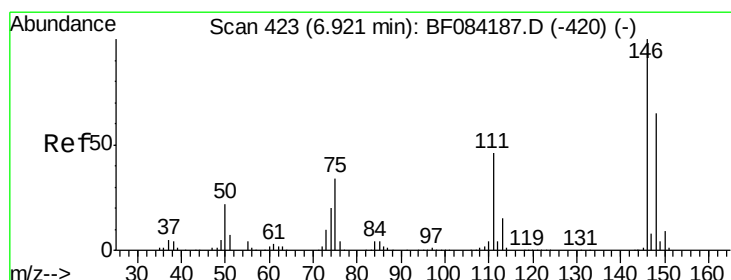
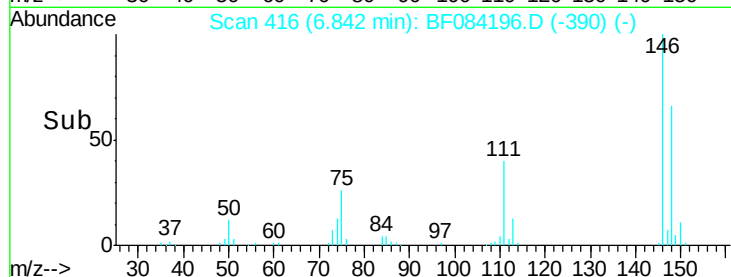
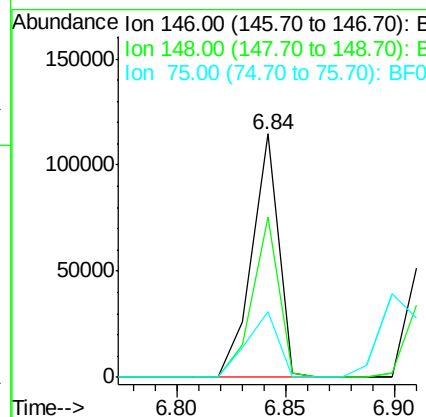
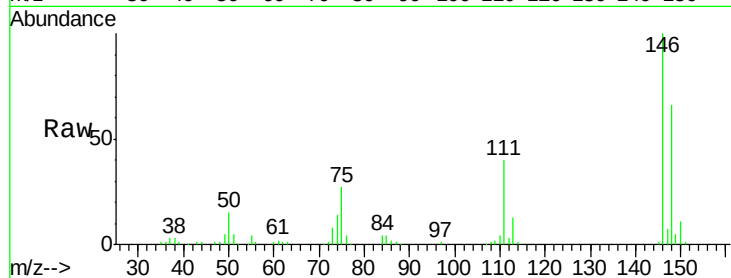




#12
 1,3-Dichlorobenzene
 Concen: 4.20 ng
 RT: 6.84 min Scan# 416
 Delta R.T. 0.00 min
 Lab File: BF084196.D
 Acq: 31 Dec 2015 15:52

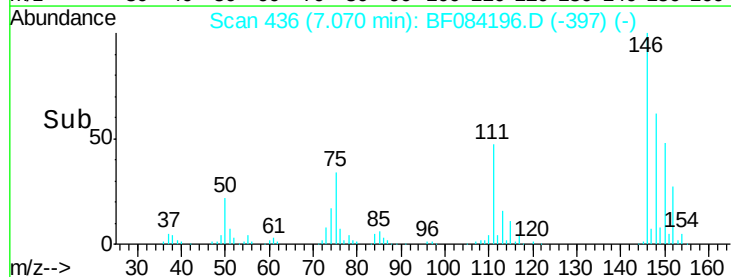
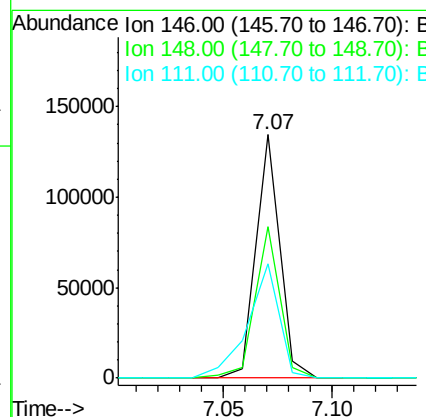
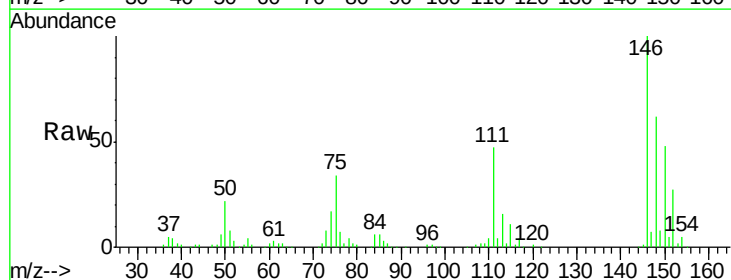
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

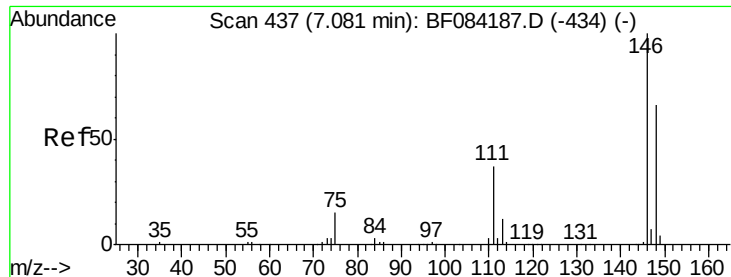
Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.7	51.9	77.9
75	27.0	20.5	30.7



#13
 1,4-Dichlorobenzene
 Concen: 4.38 ng
 RT: 7.07 min Scan# 436
 Delta R.T. 0.15 min
 Lab File: BF084196.D
 Acq: 31 Dec 2015 15:52

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.3	51.9	77.9
111	47.0	41.6	62.4

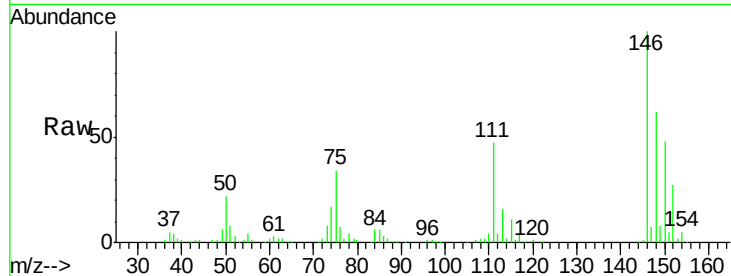




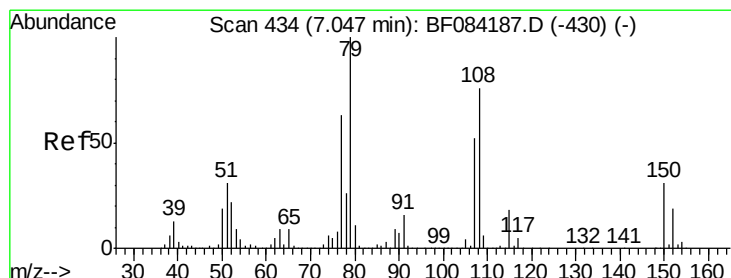
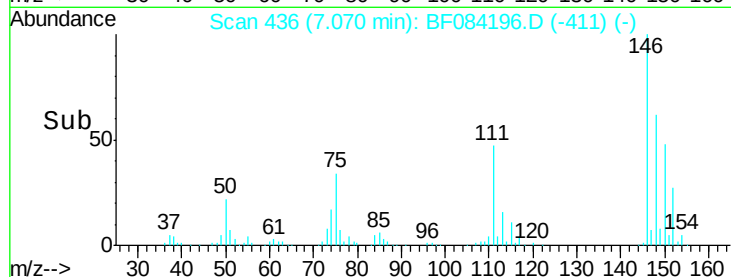
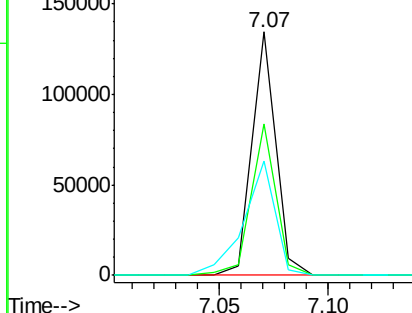
#14
1,2-Dichlorobenzene
Concen: 4.58 ng
RT: 7.07 min Scan# 436
Delta R.T. -0.01 min
Lab File: BF084196.D
Acq: 31 Dec 2015 15:52

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:146 Resp: 102606
Ion Ratio Lower Upper
146 100
148 62.3 51.6 77.4
111 47.0 38.0 57.0

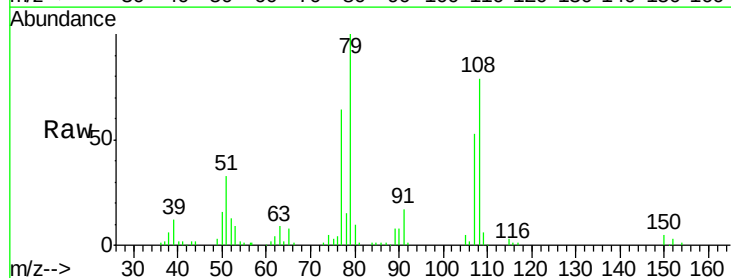


Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E

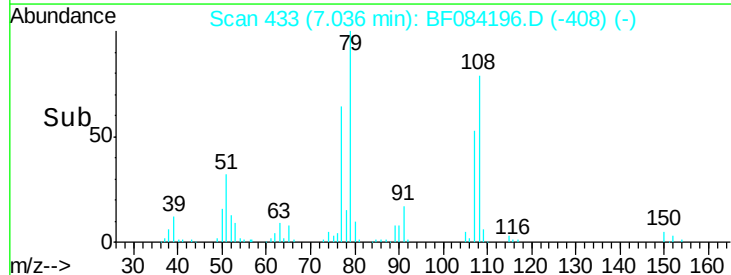
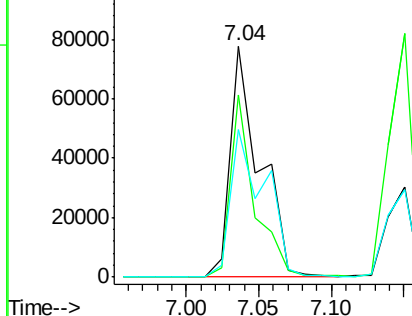


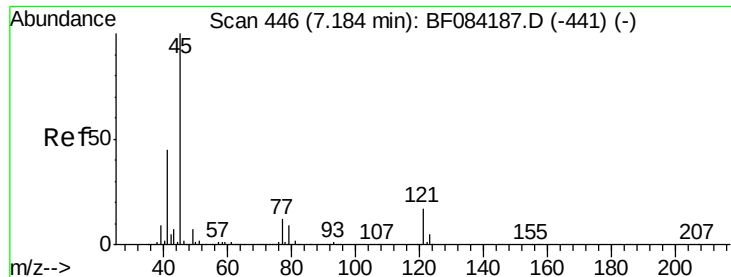
#15
Benzyl Alcohol
Concen: 5.23 ng
RT: 7.04 min Scan# 433
Delta R.T. -0.01 min
Lab File: BF084196.D
Acq: 31 Dec 2015 15:52

Tgt Ion: 79 Resp: 110319
Ion Ratio Lower Upper
79 100
108 78.9 69.0 103.4
77 64.0 50.0 75.0



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

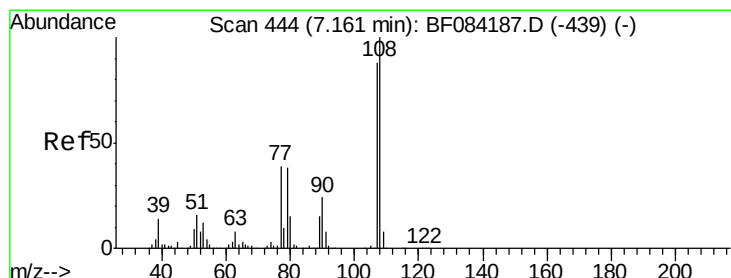
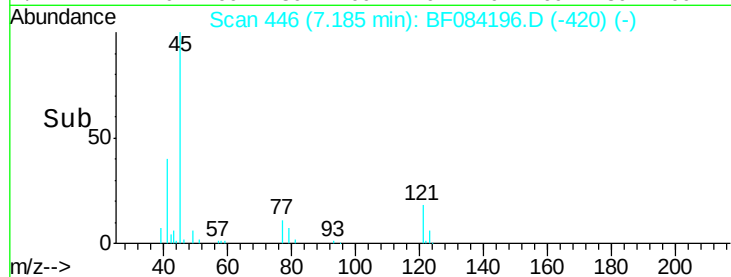
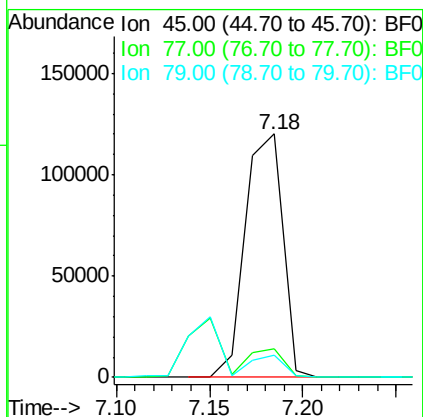
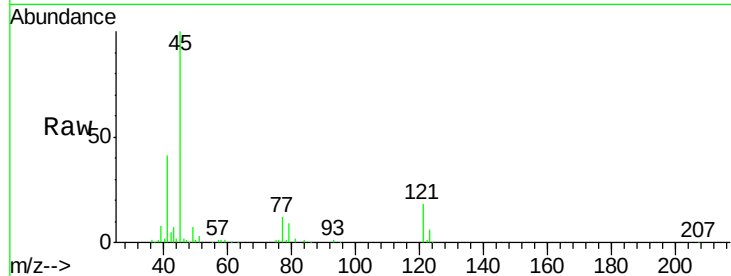




#16
2,2'-oxybis(1-chloropropane)
Concen: 4.16 ng
RT: 7.18 min Scan# 446
Delta R.T. 0.00 min
Lab File: BF084196.D
Acq: 31 Dec 2015 15:52

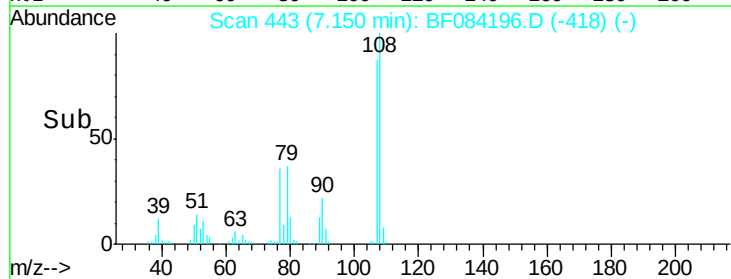
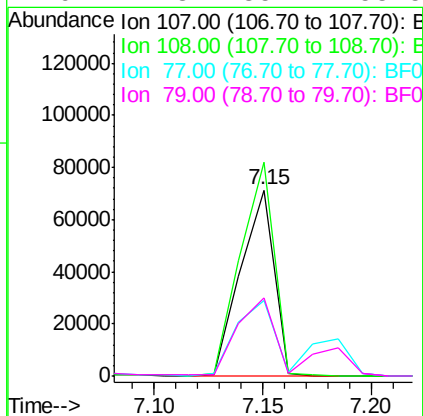
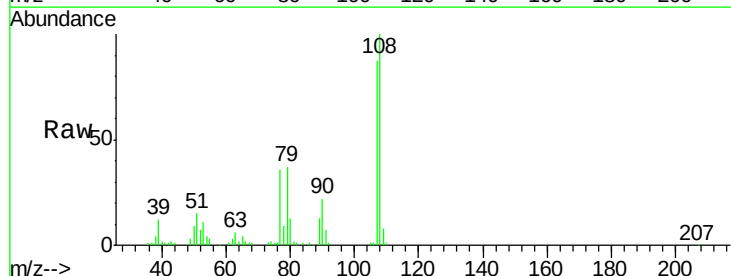
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

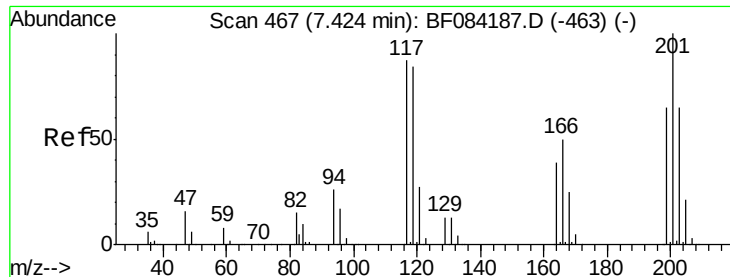
Tgt Ion: 45 Resp: 167189
Ion Ratio Lower Upper
45 100
77 11.9 0.0 39.6
79 8.9 0.0 35.0



#17
2-Methylphenol
Concen: 4.00 ng
RT: 7.15 min Scan# 443
Delta R.T. -0.01 min
Lab File: BF084196.D
Acq: 31 Dec 2015 15:52

Tgt Ion: 107 Resp: 75979
Ion Ratio Lower Upper
107 100
108 114.9 89.8 134.6
77 41.0 35.7 53.5
79 42.3 35.7 53.5

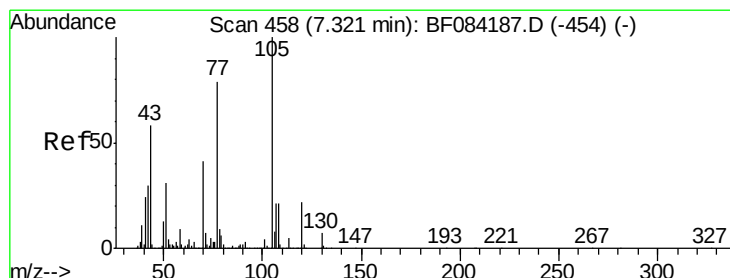
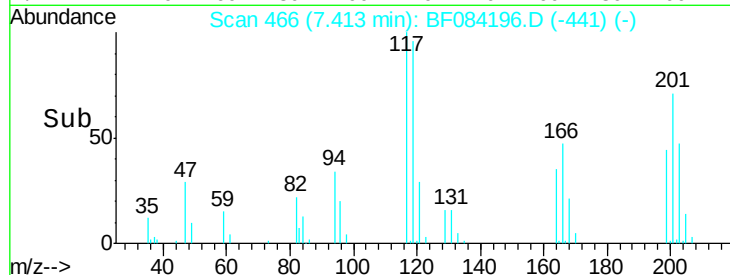
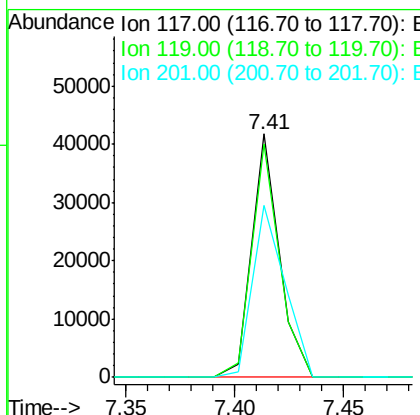
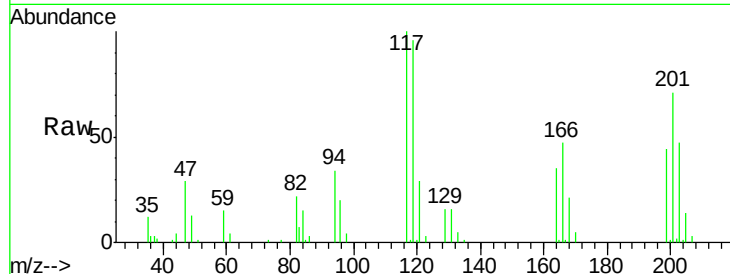




#18
Hexachloroethane
Concen: 3.92 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.01 min
Lab File: BF084196.D
Acq: 31 Dec 2015 15:52

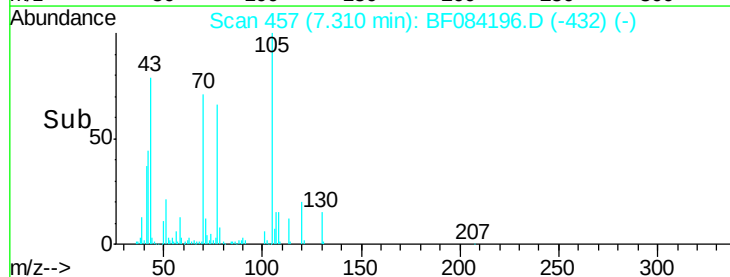
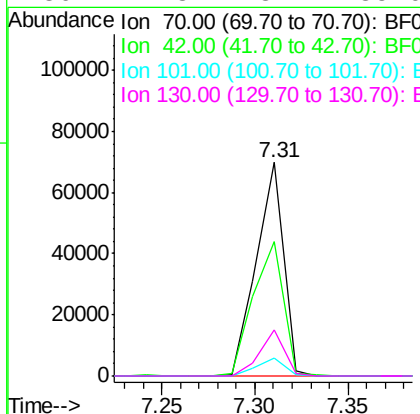
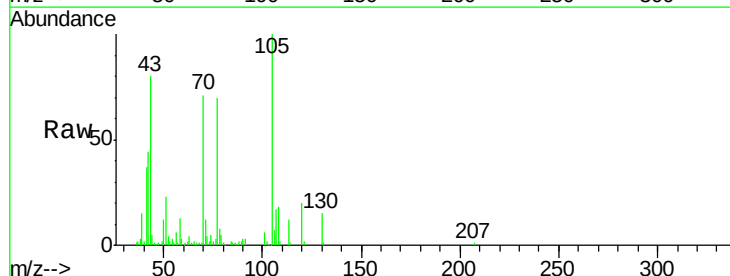
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

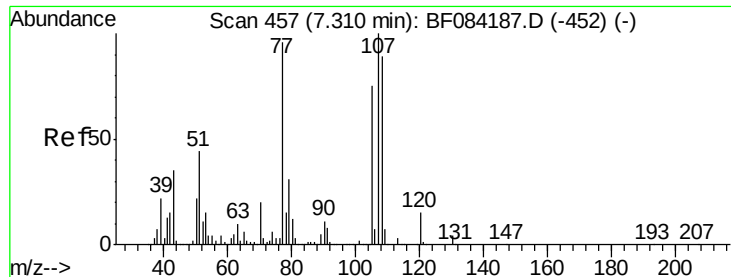
Tgt Ion: 117 Resp: 36697
Ion Ratio Lower Upper
117 100
119 95.8 77.4 116.0
201 70.6 68.6 103.0



#19
n-Nitroso-di-n-propylamine
Concen: 4.17 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.01 min
Lab File: BF084196.D
Acq: 31 Dec 2015 15:52

Tgt Ion: 70 Resp: 70771
Ion Ratio Lower Upper
70 100
42 63.0 33.3 49.9#
101 8.3 9.3 13.9#
130 21.8 23.4 35.0#





#20

3+4-Methylphenols

Concen: 4.37 ng

RT: 7.30 min Scan# 456

Delta R.T. -0.01 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

Tgt Ion:107 Resp: 97480

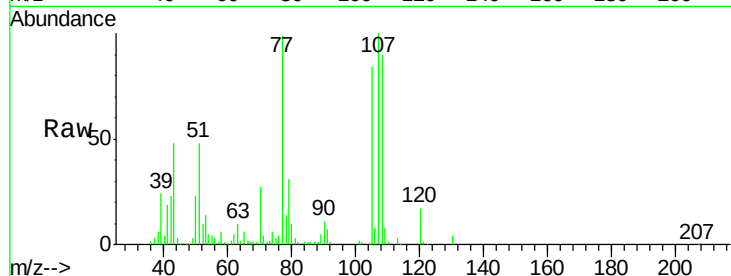
Ion Ratio Lower Upper

107 100

108 90.1 64.1 104.1

77 99.4 128.9 168.9#

79 31.0 9.6 49.6

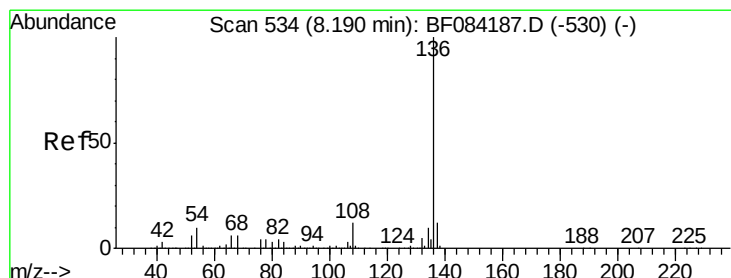
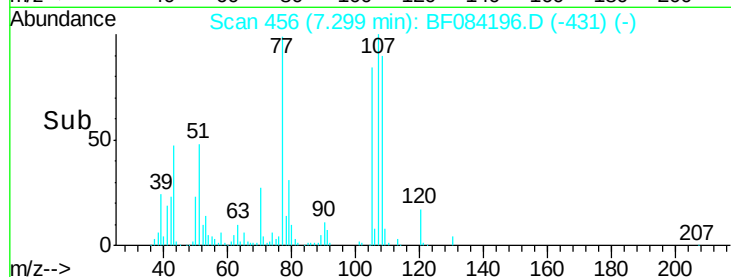
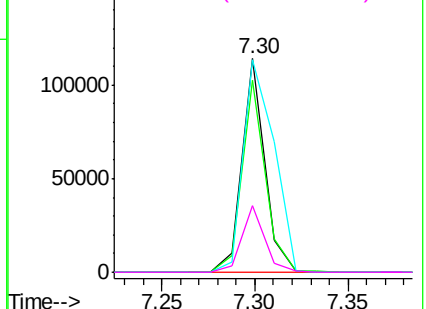


Abundance Ion 107.00 (106.70 to 107.70): E

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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.19 min Scan# 534

Delta R.T. 0.00 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

Tgt Ion:136 Resp: 1292798

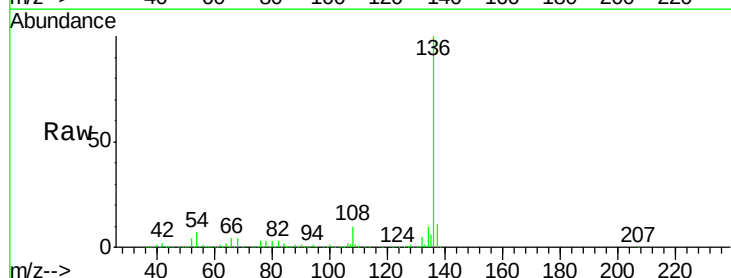
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 6.6 5.8 8.8

68 4.0 4.2 6.2#

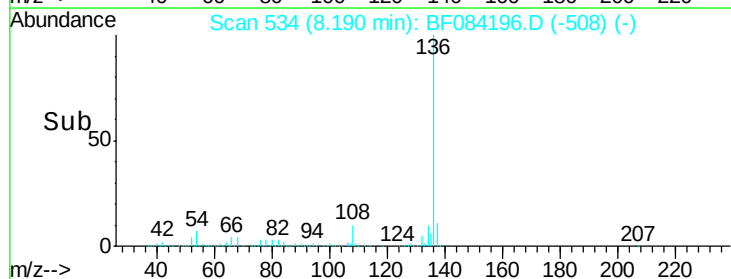
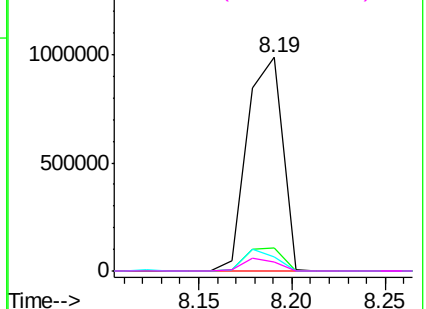


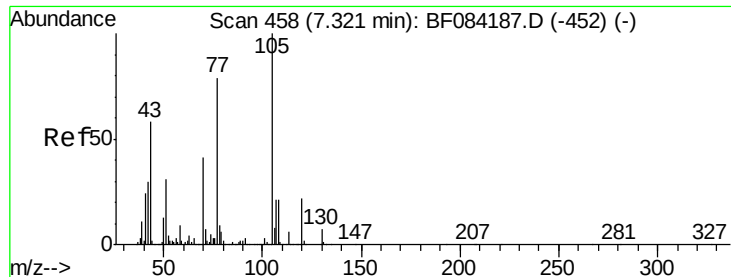
Abundance Ion 136.00 (135.70 to 136.70): E

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: 4.34 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.01 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

Tgt Ion:105 Resp: 134885

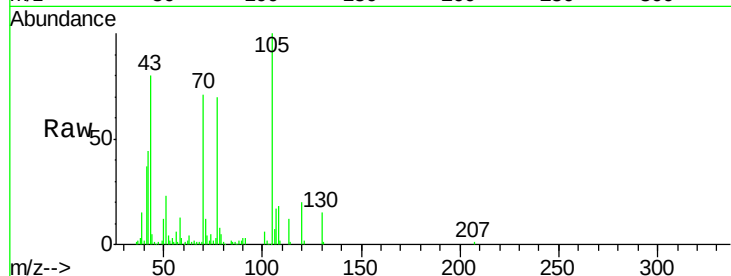
Ion Ratio Lower Upper

105 100

71 12.4 3.7 5.5#

51 23.3 25.1 37.7#

120 20.2 16.6 25.0



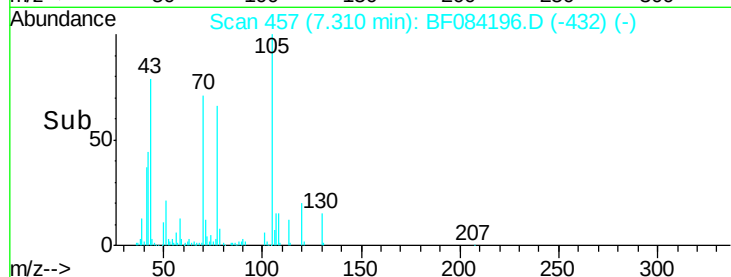
Abundance Ion 105.00 (104.70 to 105.70): E

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

Time-->



Abundance

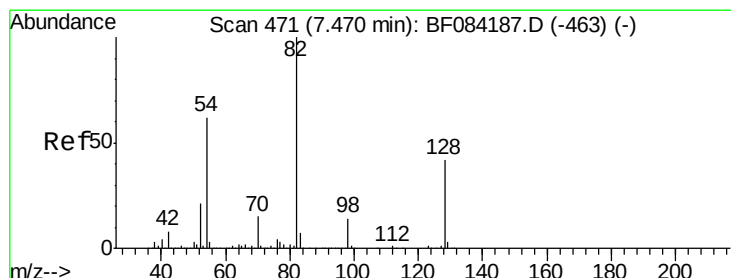
Ion 105.00 (104.70 to 105.70): E

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

Time-->



#23

Nitrobenzene-d5

Concen: 72.71 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.01 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

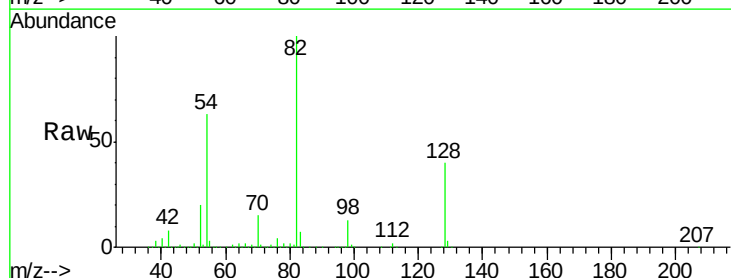
Tgt Ion: 82 Resp: 1689015

Ion Ratio Lower Upper

82 100

128 40.5 34.6 51.8

54 63.0 38.4 57.6#

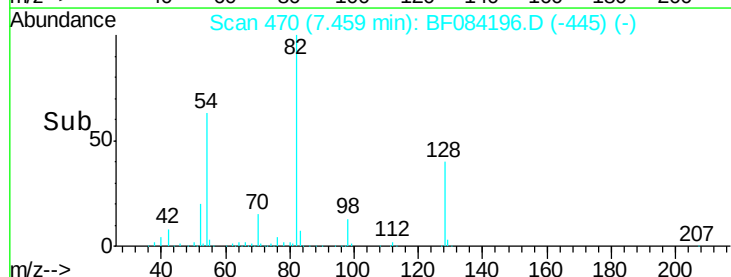


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

Time-->



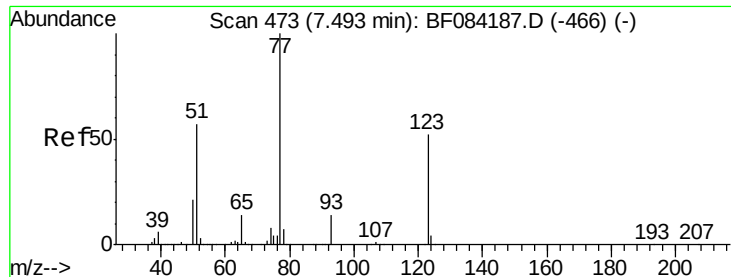
Abundance

Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

Time-->



#24

Nitrobenzene

Concen: 4.57 ng

RT: 7.48 min Scan# 472

Delta R.T. -0.01 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

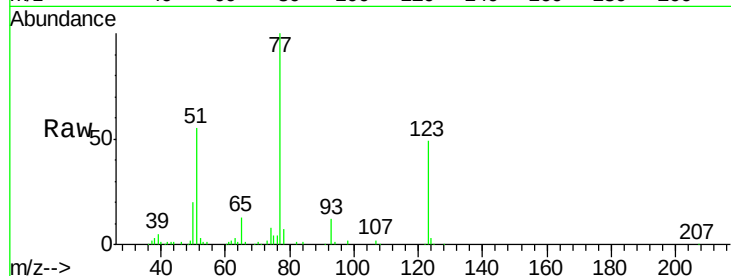
Tgt Ion: 77 Resp: 107645

Ion Ratio Lower Upper

77 100

123 48.9 37.4 56.2

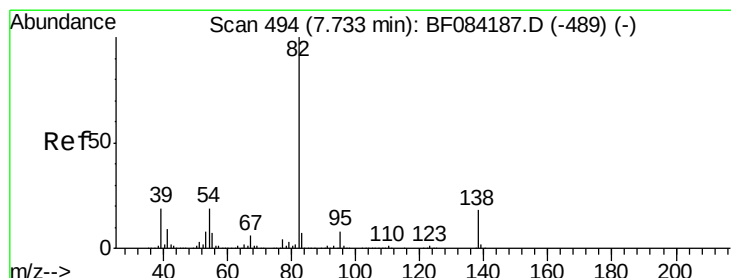
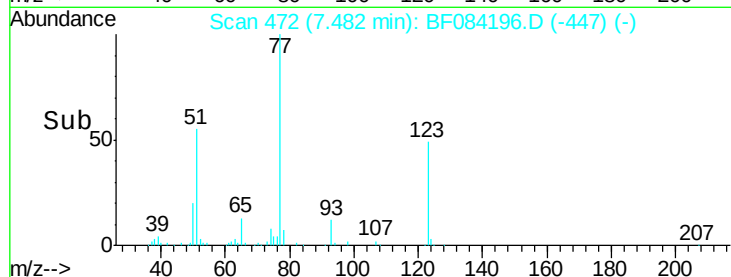
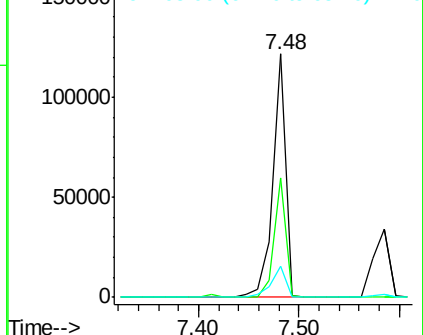
65 12.8 10.9 16.3



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#25

Isophorone

Concen: 4.04 ng

RT: 7.72 min Scan# 493

Delta R.T. -0.01 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

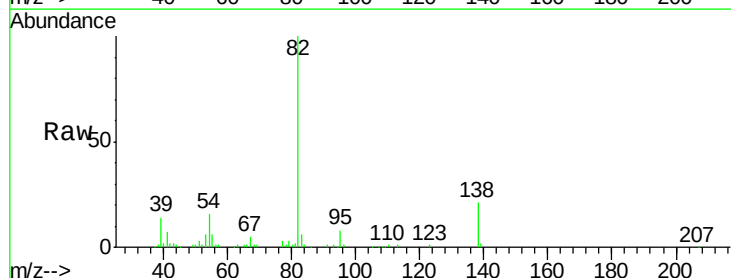
Tgt Ion: 82 Resp: 179570

Ion Ratio Lower Upper

82 100

95 7.9 6.6 10.0

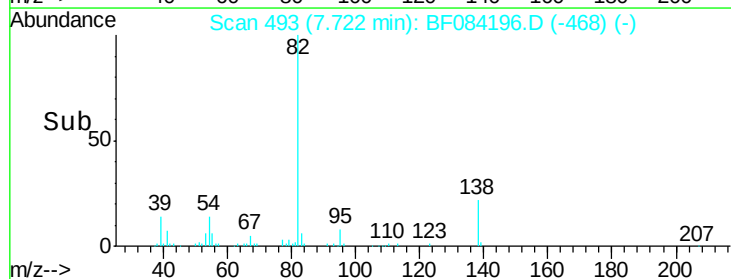
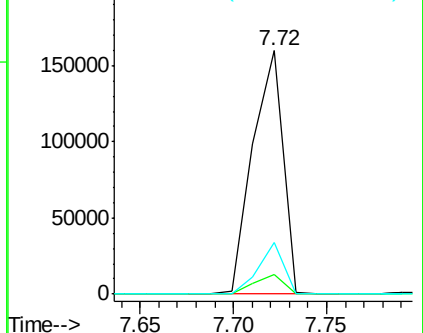
138 21.1 13.6 20.4#

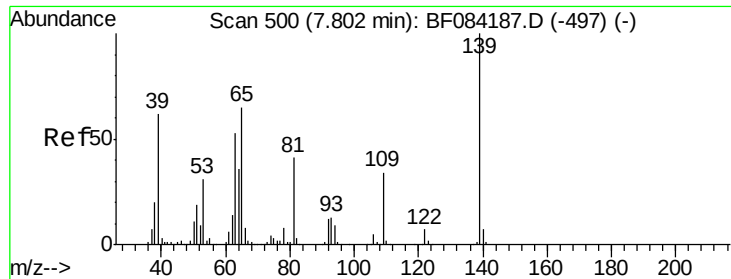


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#26

2-Nitrophenol

Concen: 3.49 ng

RT: 7.80 min Scan# 500

Delta R.T. 0.00 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

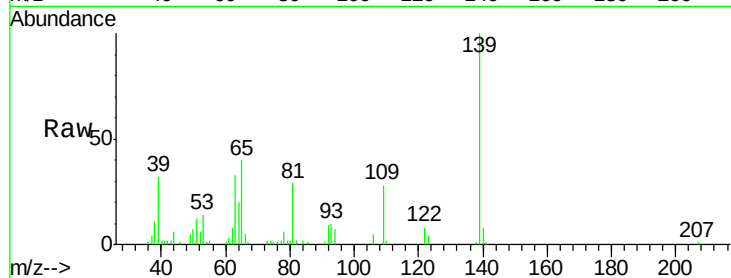
Tgt Ion:139 Resp: 37450

Ion Ratio Lower Upper

139 100

109 27.9 25.4 38.2

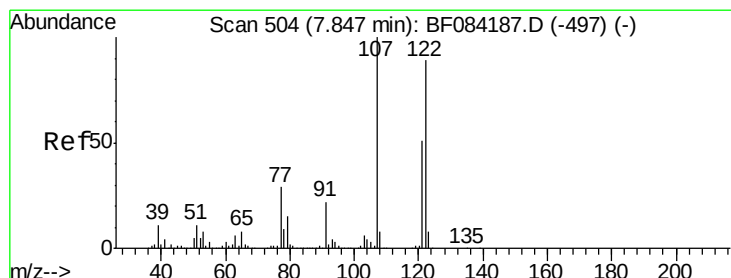
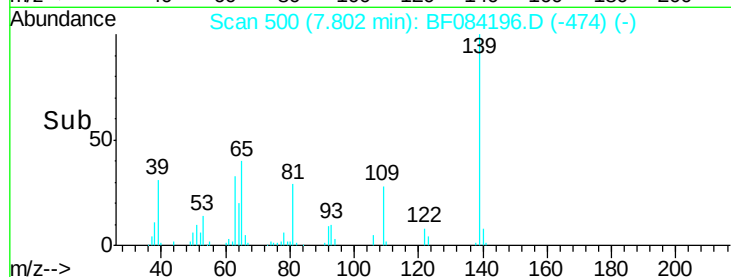
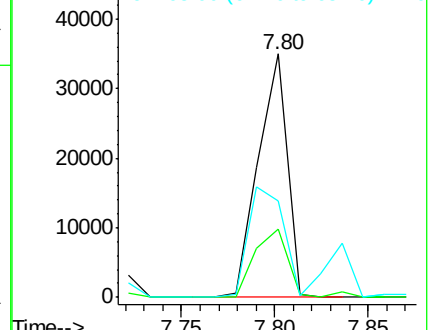
65 39.6 32.3 48.5



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#27

2,4-Dimethylphenol

Concen: 4.20 ng

RT: 7.84 min Scan# 503

Delta R.T. -0.01 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

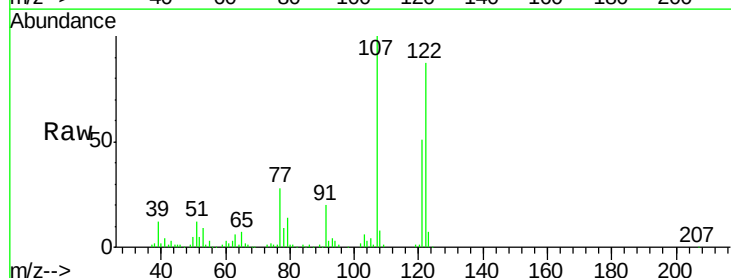
Tgt Ion:122 Resp: 91078

Ion Ratio Lower Upper

122 100

107 115.0 99.1 148.7

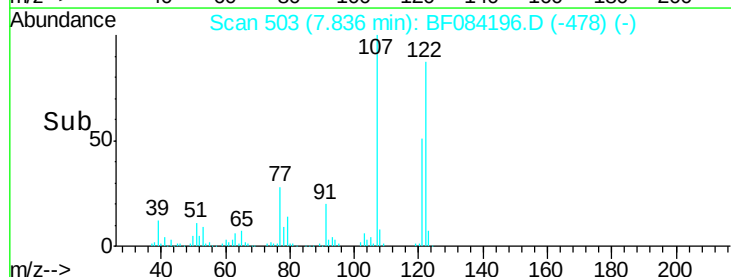
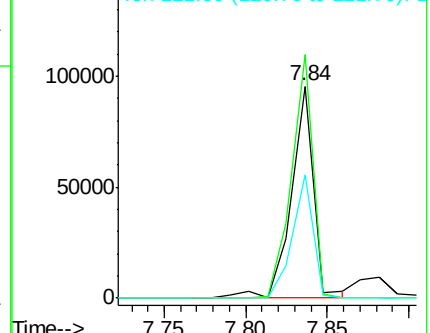
121 58.5 47.9 71.9

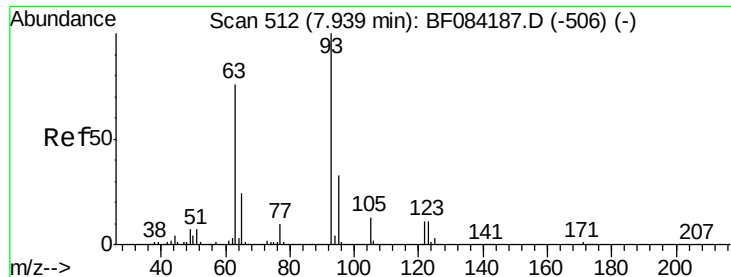


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

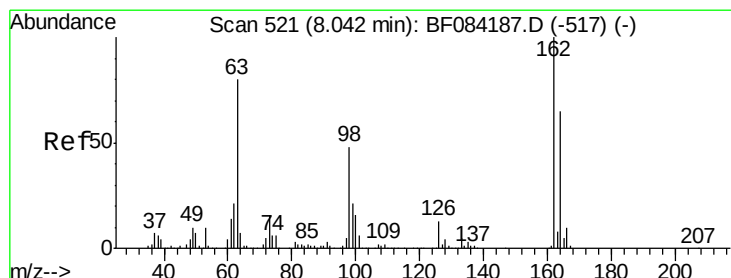
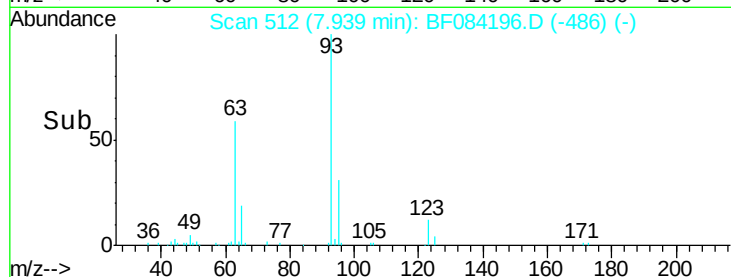
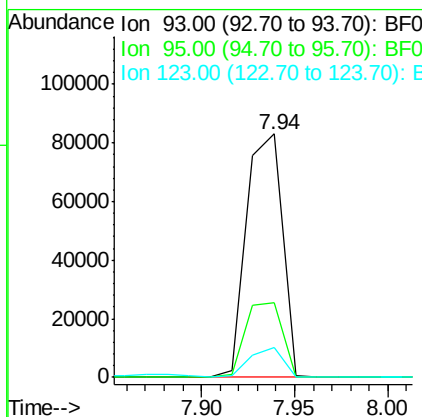
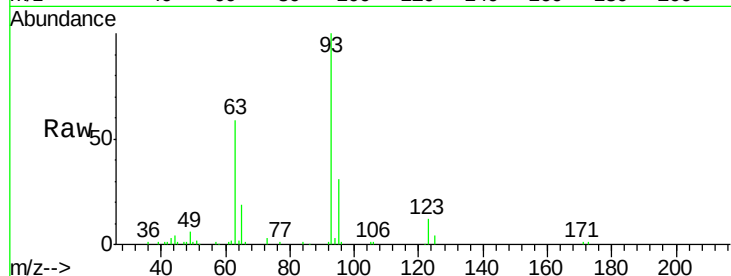




#28
 bis(2-Chloroethoxy)methane
 Concen: 4.09 ng
 RT: 7.94 min Scan# 512
 Delta R.T. 0.00 min
 Lab File: BF084196.D
 Acq: 31 Dec 2015 15:52

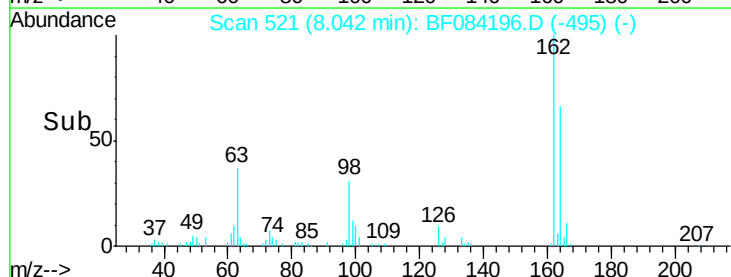
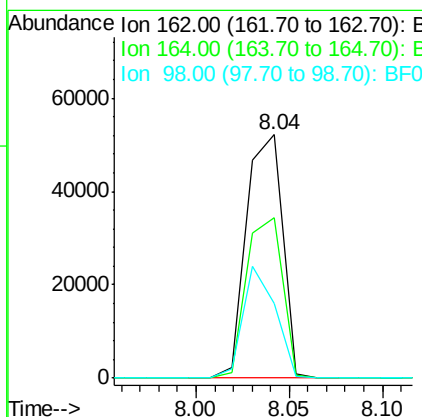
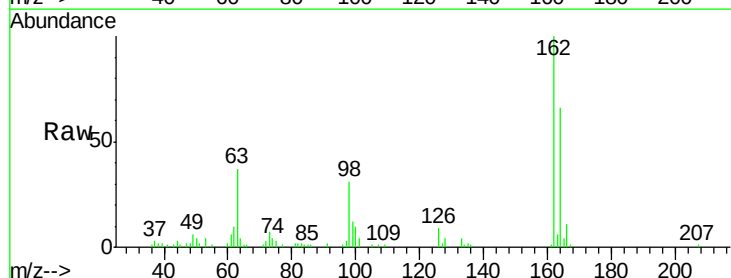
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

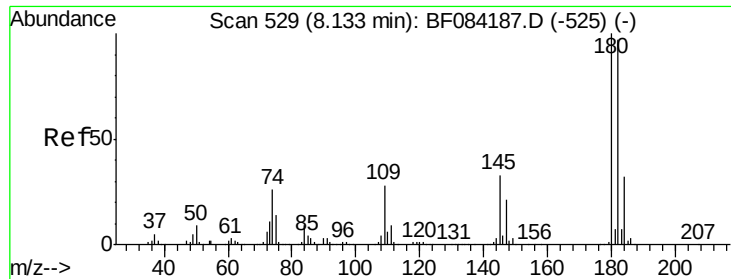
Tgt Ion: 93 Resp: 110885
 Ion Ratio Lower Upper
 93 100
 95 30.6 25.8 38.6
 123 12.5 8.6 12.8



#29
 2,4-Dichlorophenol
 Concen: 3.87 ng
 RT: 8.04 min Scan# 521
 Delta R.T. 0.00 min
 Lab File: BF084196.D
 Acq: 31 Dec 2015 15:52

Tgt Ion: 162 Resp: 69929
 Ion Ratio Lower Upper
 162 100
 164 65.9 44.1 84.1
 98 30.7 20.2 60.2

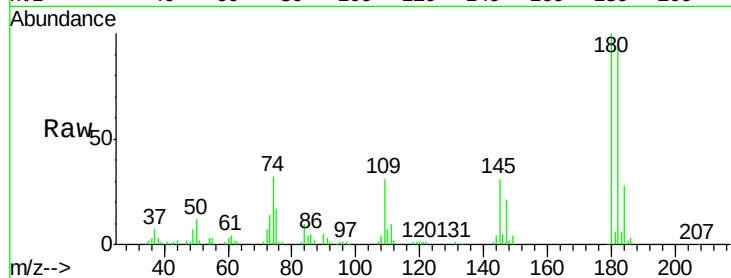




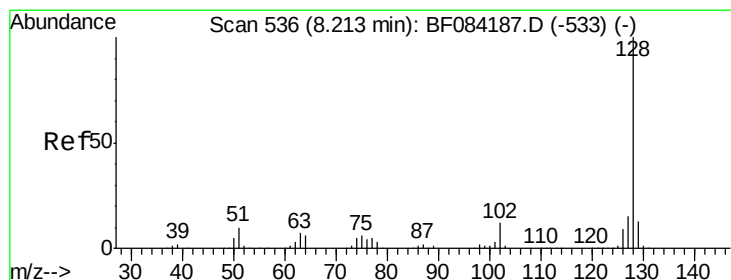
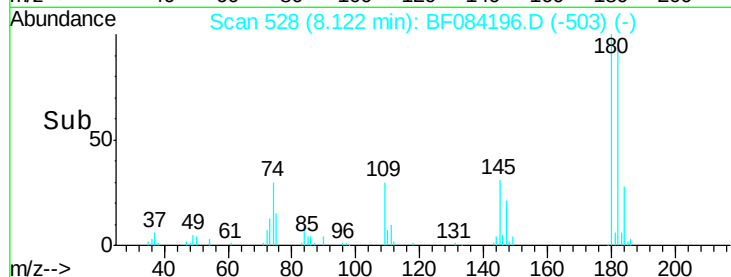
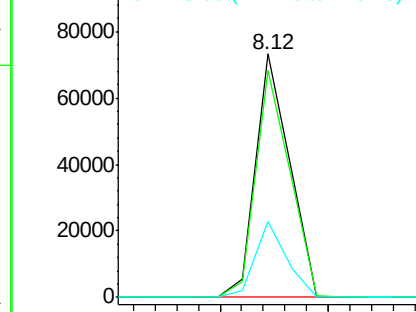
#30
1,2,4-Trichlorobenzene
Concen: 4.26 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.01 min
Lab File: BF084196.D
Acq: 31 Dec 2015 15:52

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:180 Resp: 79449
Ion Ratio Lower Upper
180 100
182 93.4 76.4 114.6
145 31.1 31.6 47.4#

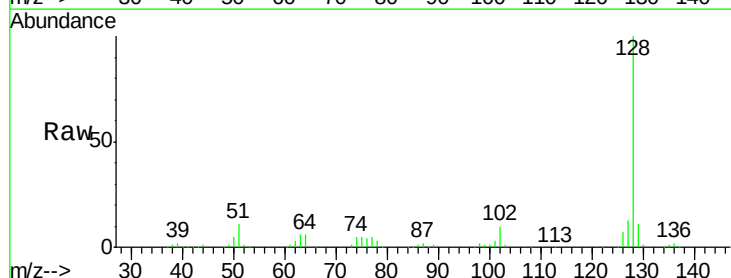


Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E

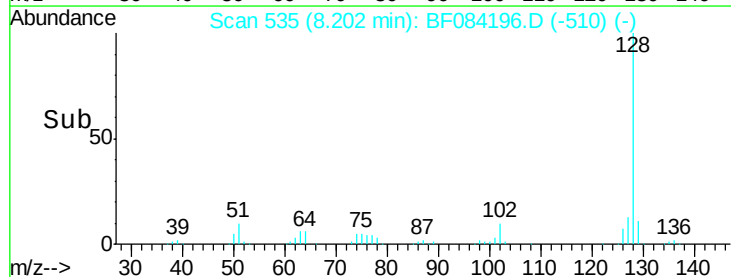
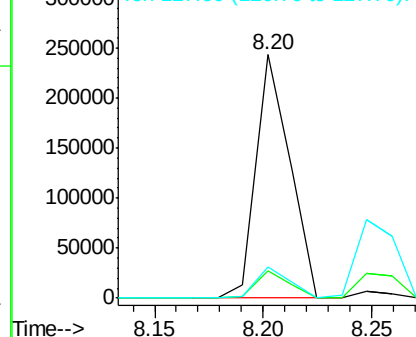


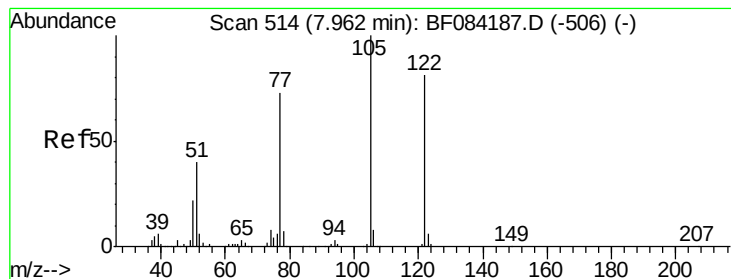
#31
Naphthalene
Concen: 4.50 ng
RT: 8.20 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF084196.D
Acq: 31 Dec 2015 15:52

Tgt Ion:128 Resp: 263675
Ion Ratio Lower Upper
128 100
129 11.4 9.1 13.7
127 13.0 11.1 16.7



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: 7.28 ng

RT: 7.88 min Scan# 507

Delta R.T. -0.08 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

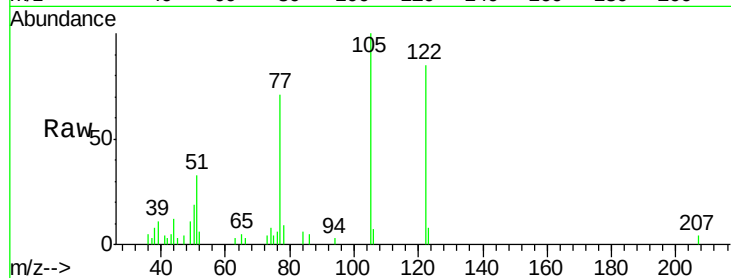
Tgt Ion:122 Resp: 16483

Ion Ratio Lower Upper

122 100

105 117.4 100.3 140.3

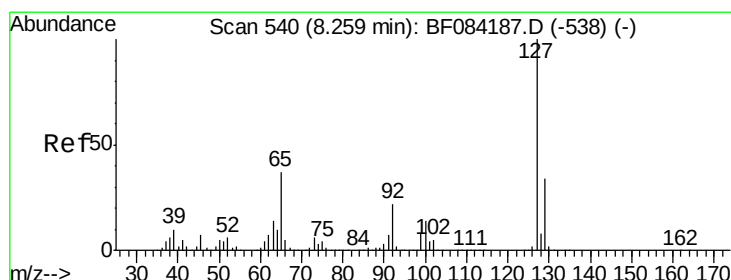
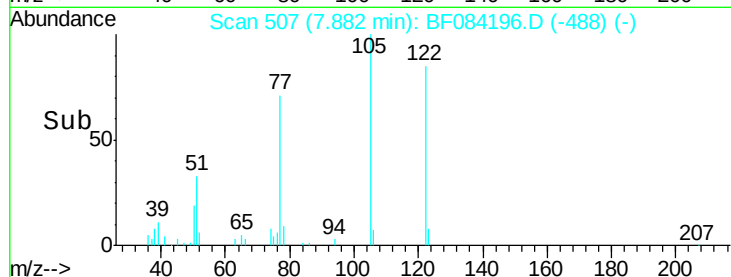
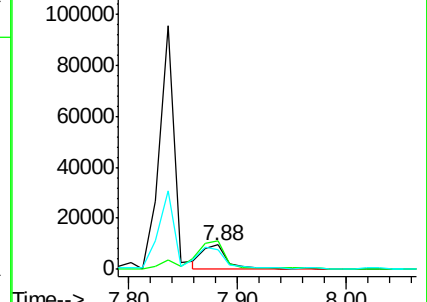
77 83.3 63.5 103.5



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: 3.70 ng

RT: 8.25 min Scan# 539

Delta R.T. -0.01 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

Tgt Ion:127 Resp: 99496

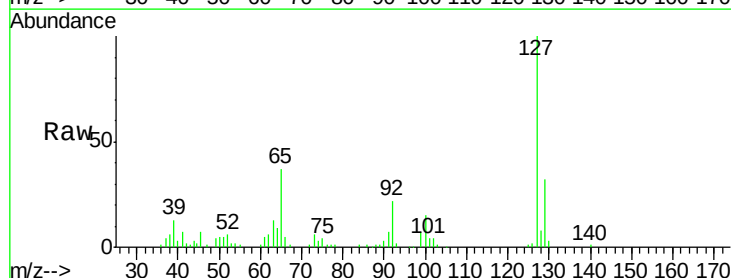
Ion Ratio Lower Upper

127 100

129 31.8 26.5 39.7

65 37.5 27.2 40.8

92 21.9 17.7 26.5

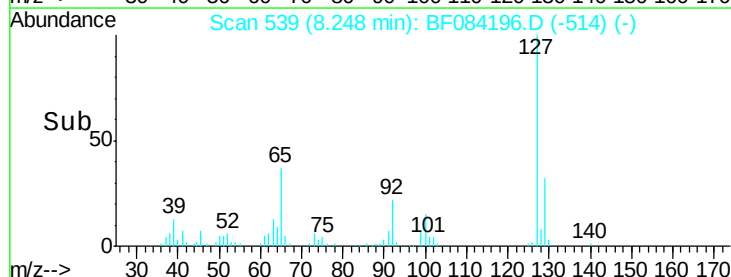
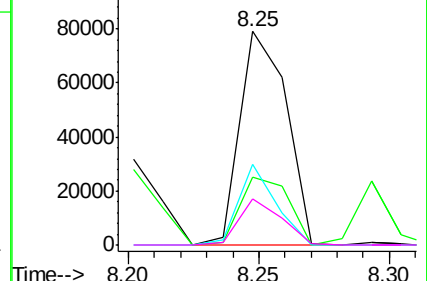


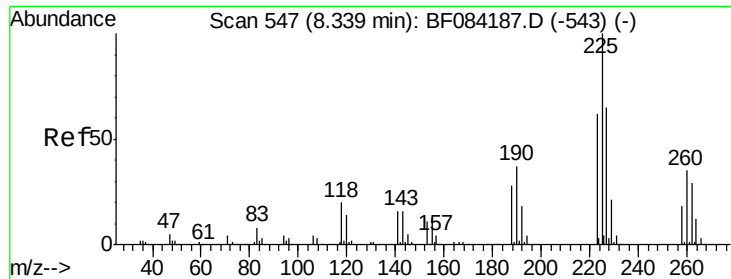
Abundance Ion 127.00 (126.70 to 127.70): E

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: 4.20 ng

RT: 8.33 min Scan# 546

Delta R.T. -0.01 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

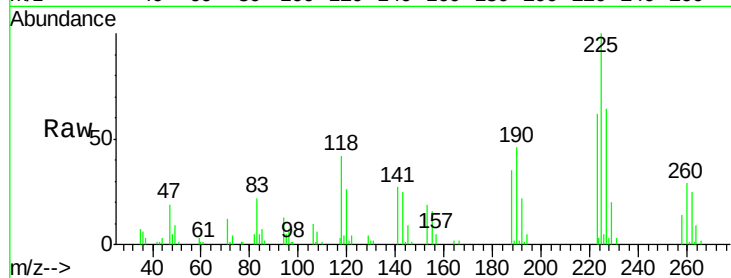
Tgt Ion:225 Resp: 45011

Ion Ratio Lower Upper

225 100

223 61.5 49.4 74.0

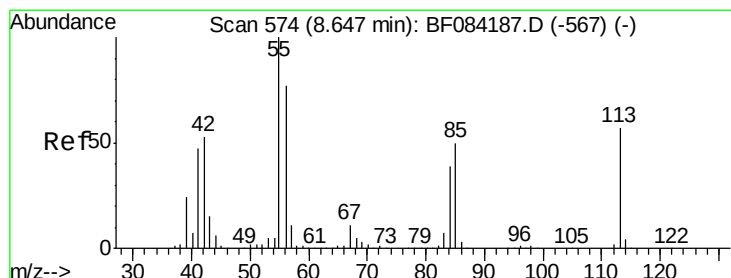
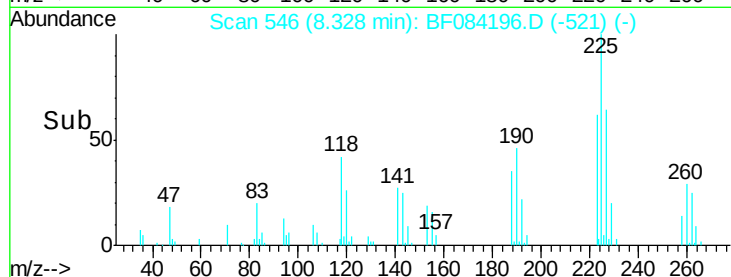
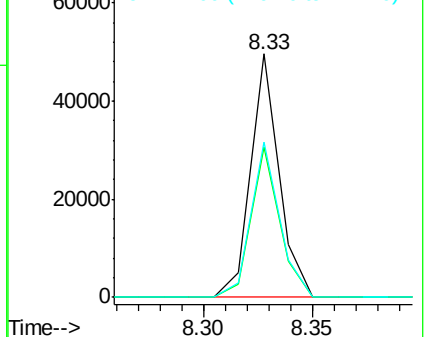
227 63.7 50.8 76.2



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: 3.88 ng

RT: 8.58 min Scan# 568

Delta R.T. -0.07 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

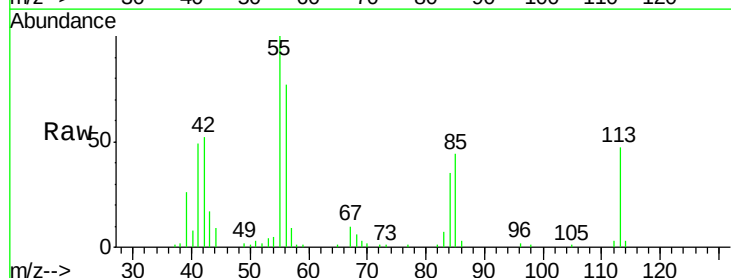
Tgt Ion:113 Resp: 23665

Ion Ratio Lower Upper

113 100

55 210.6 116.9 156.9#

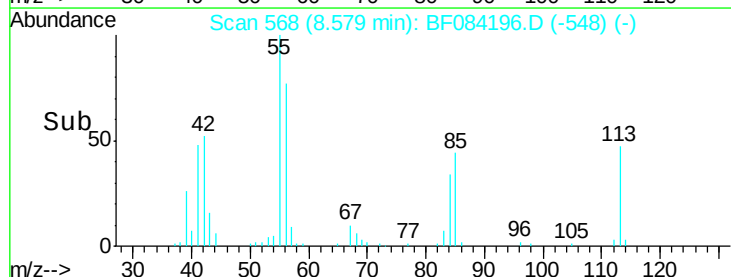
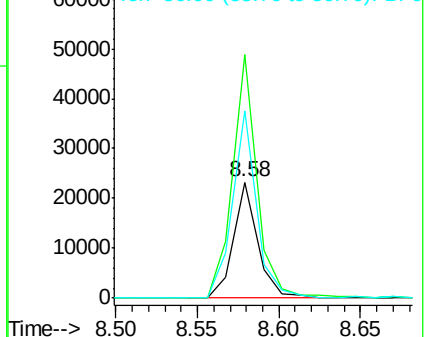
56 161.6 93.8 133.8#

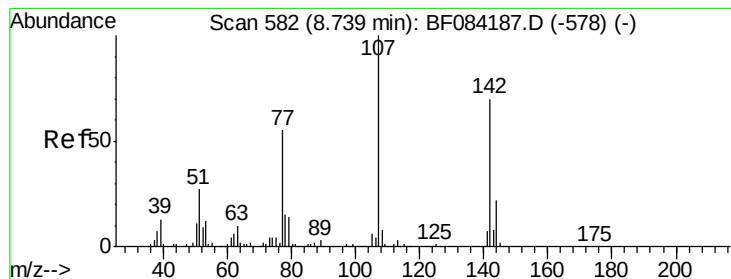


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0





#36

4-Chloro-3-methylphenol

Concen: 4.47 ng

RT: 8.73 min Scan# 581

Delta R.T. -0.01 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

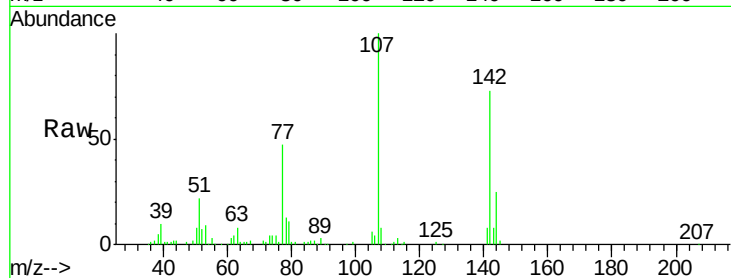
Tgt Ion:107 Resp: 90434

Ion Ratio Lower Upper

107 100

144 24.9 19.7 29.5

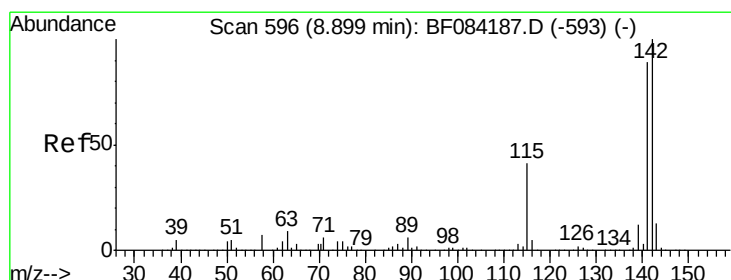
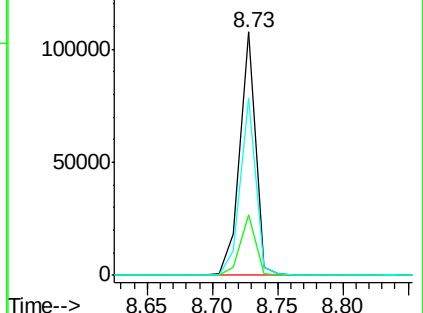
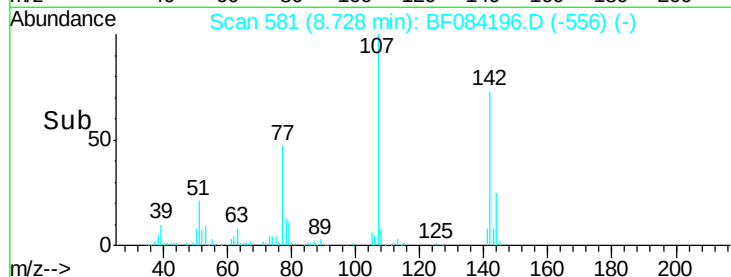
142 73.0 61.8 92.6



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: 4.68 ng

RT: 8.90 min Scan# 596

Delta R.T. 0.00 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

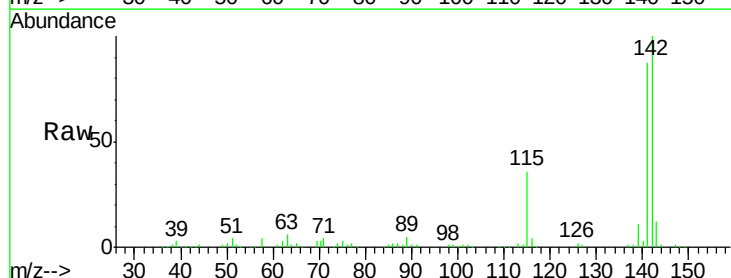
Tgt Ion:142 Resp: 196854

Ion Ratio Lower Upper

142 100

141 87.2 72.4 108.6

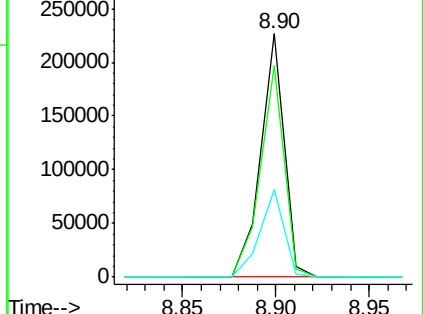
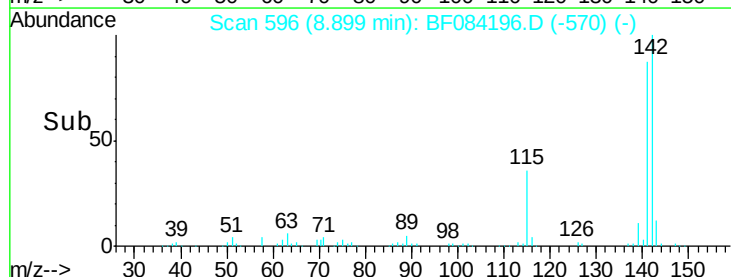
115 35.7 27.9 41.9

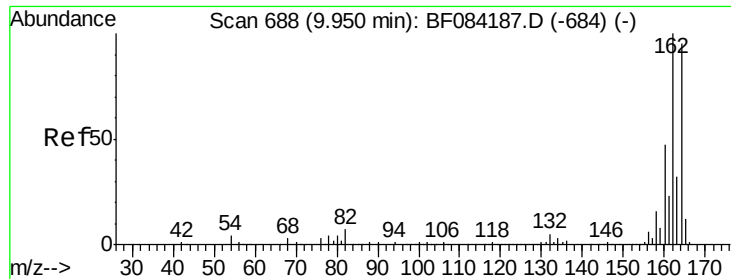


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

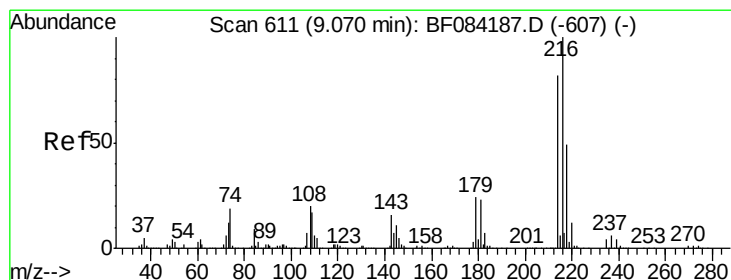
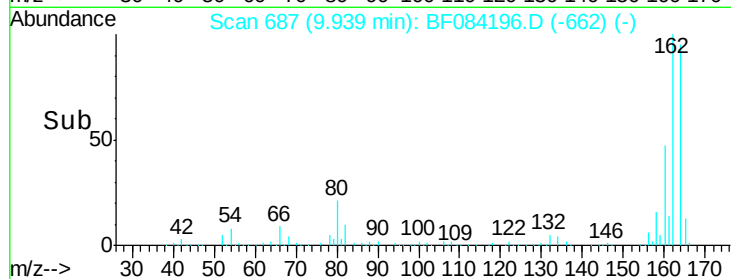
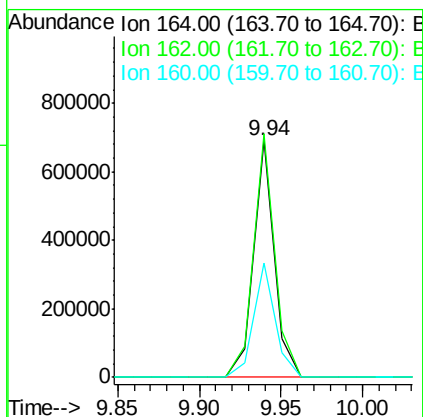
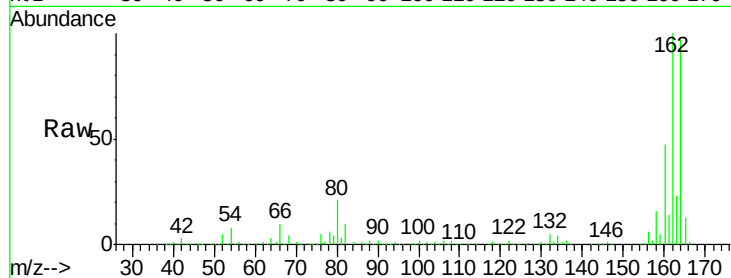




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.94 min Scan# 687
 Delta R.T. -0.01 min
 Lab File: BF084196.D
 Acq: 31 Dec 2015 15:52

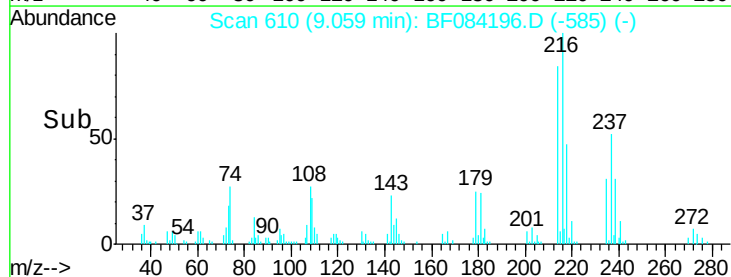
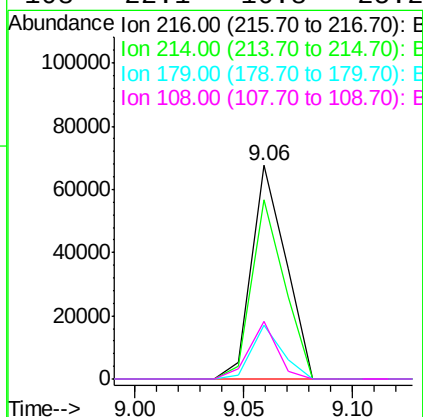
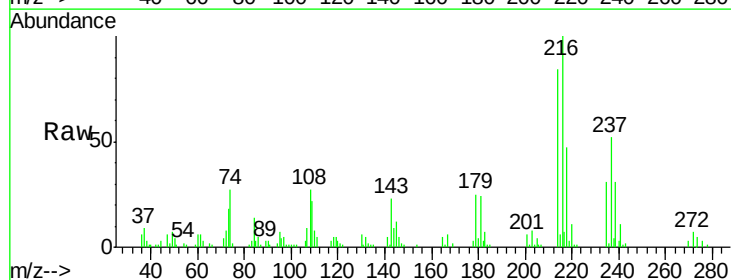
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

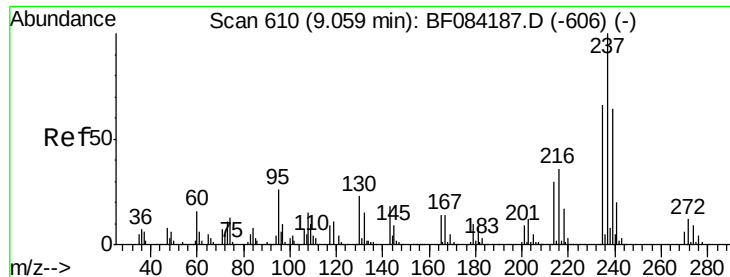
Tgt Ion:164 Resp: 612961
 Ion Ratio Lower Upper
 164 100
 162 102.8 85.1 127.7
 160 48.5 37.5 56.3



#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 4.20 ng
 RT: 9.06 min Scan# 610
 Delta R.T. -0.01 min
 Lab File: BF084196.D
 Acq: 31 Dec 2015 15:52

Tgt Ion:216 Resp: 74079
 Ion Ratio Lower Upper
 216 100
 214 80.4 64.2 96.2
 179 22.7 18.7 28.1
 108 22.1 16.8 25.2

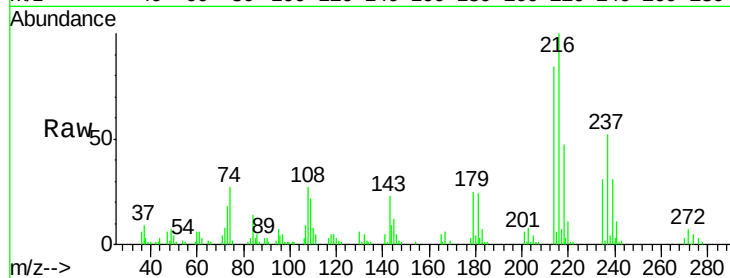




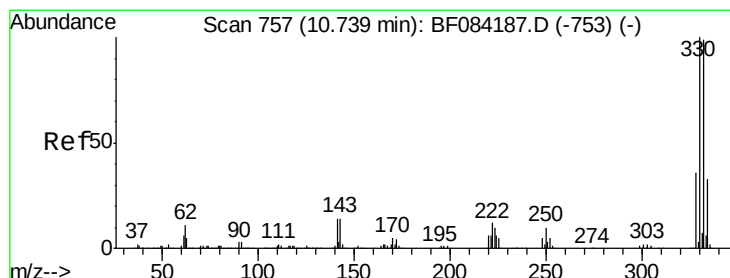
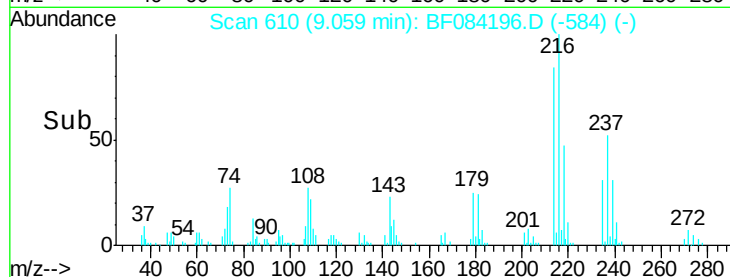
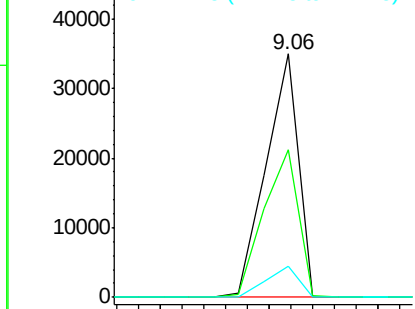
#40
Hexachlorocyclopentadiene
Concen: 3.43 ng
RT: 9.06 min Scan# 610
Delta R.T. 0.00 min
Lab File: BF084196.D
Acq: 31 Dec 2015 15:52

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion: 237 Resp: 36498
Ion Ratio Lower Upper
237 100
235 60.7 43.1 83.1
272 12.9 0.0 35.1

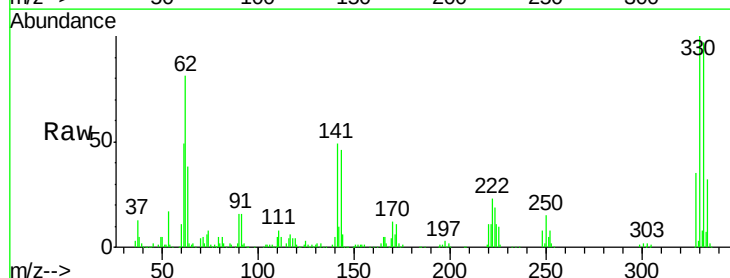


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

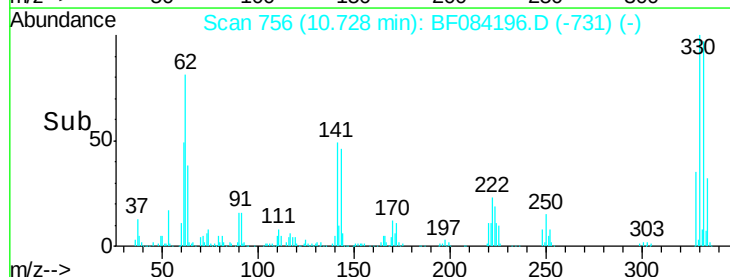
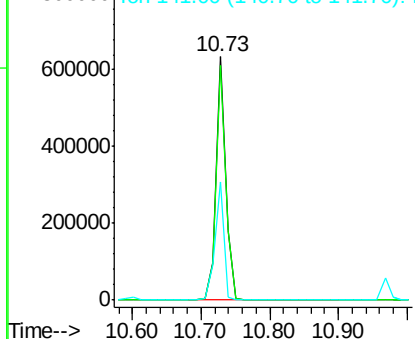


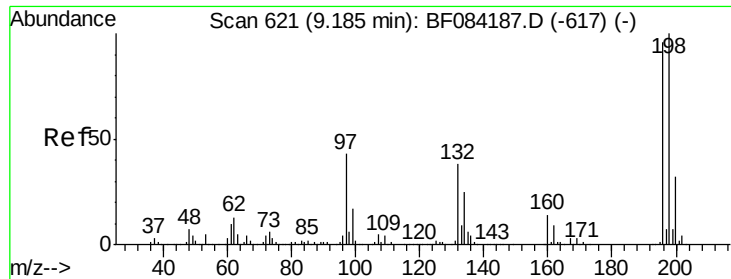
#41
2,4,6-Tribromophenol
Concen: 103.23 ng
RT: 10.73 min Scan# 756
Delta R.T. -0.01 min
Lab File: BF084196.D
Acq: 31 Dec 2015 15:52

Tgt Ion: 330 Resp: 638819
Ion Ratio Lower Upper
330 100
332 97.6 76.6 114.8
141 45.0 27.8 41.6#



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: 3.79 ng

RT: 9.17 min Scan# 620

Delta R.T. -0.01 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

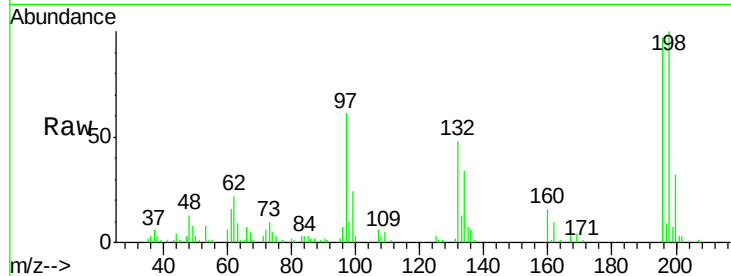
Tgt Ion:196 Resp: 50020

Ion Ratio Lower Upper

196 100

198 102.8 77.7 116.5

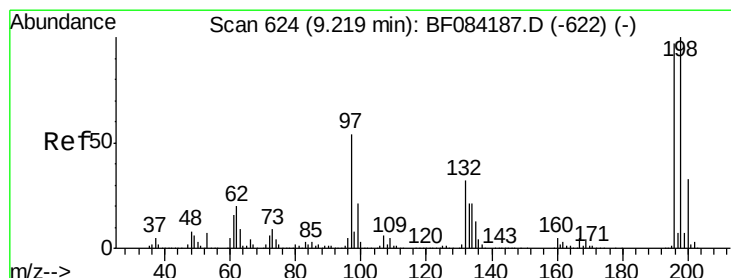
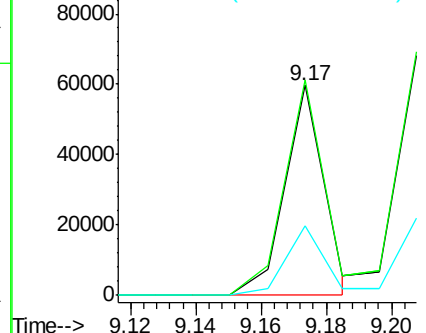
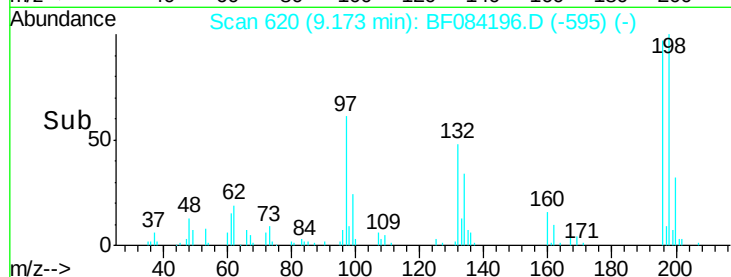
200 32.8 24.6 37.0



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: 4.48 ng

RT: 9.21 min Scan# 623

Delta R.T. -0.01 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

Tgt Ion:196 Resp: 56661

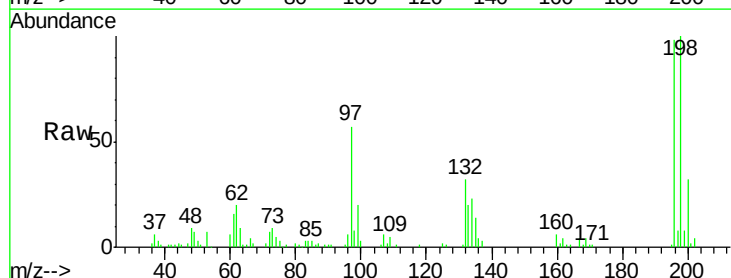
Ion Ratio Lower Upper

196 100

198 101.6 79.0 118.6

97 57.7 33.0 49.6#

132 32.1 21.1 31.7#

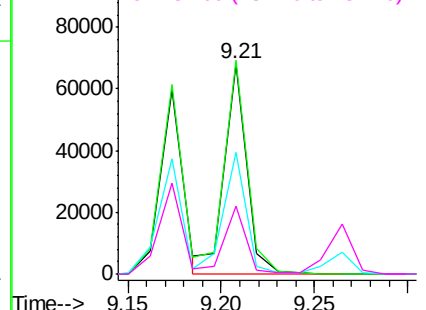
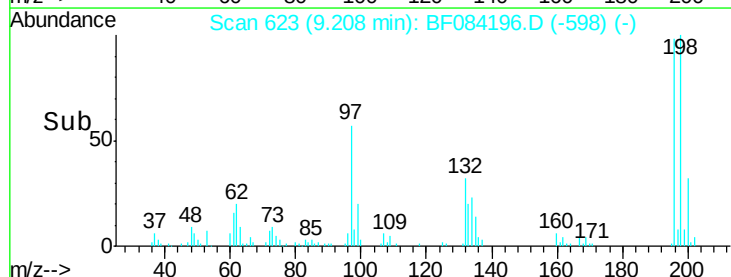


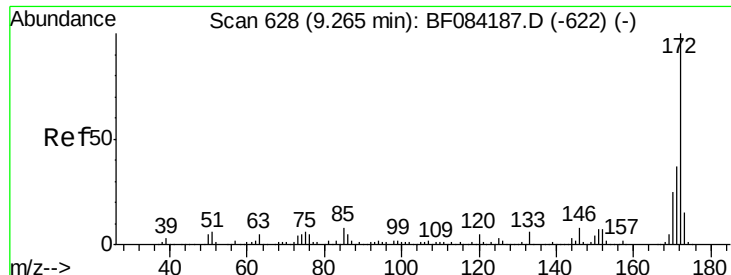
Abundance Ion 196.00 (195.70 to 196.70): E

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

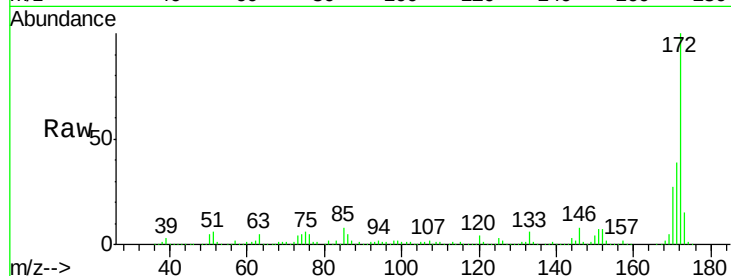




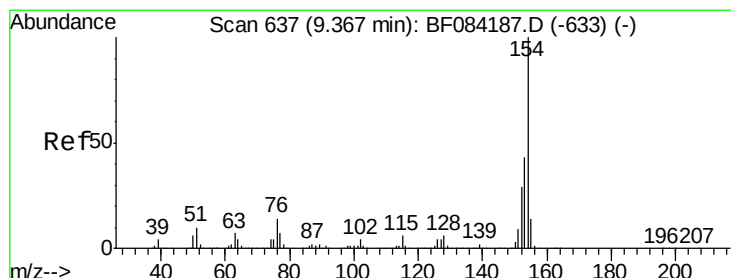
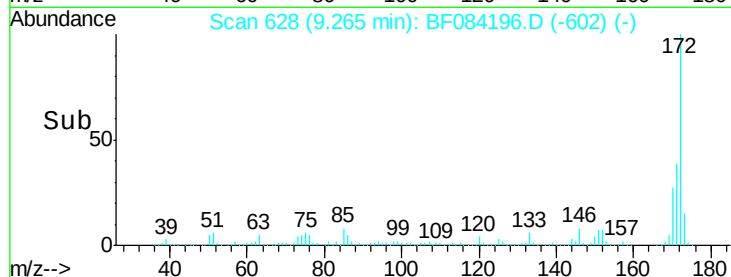
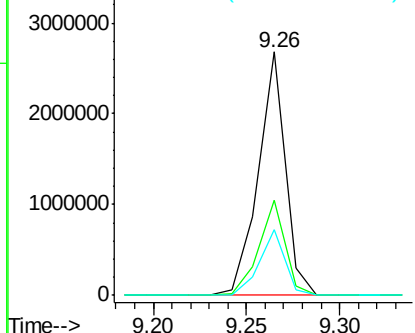
#44
 2-Fluorobiphenyl
 Concen: 76.30 ng
 RT: 9.26 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: BF084196.D
 Acq: 31 Dec 2015 15:52

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion:172 Resp: 2681303
 Ion Ratio Lower Upper
 172 100
 171 38.9 28.9 43.3
 170 27.0 18.6 27.8

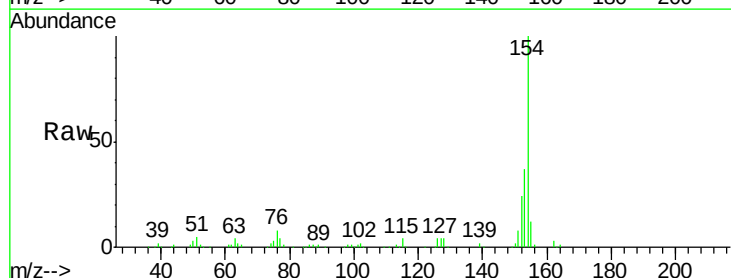


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

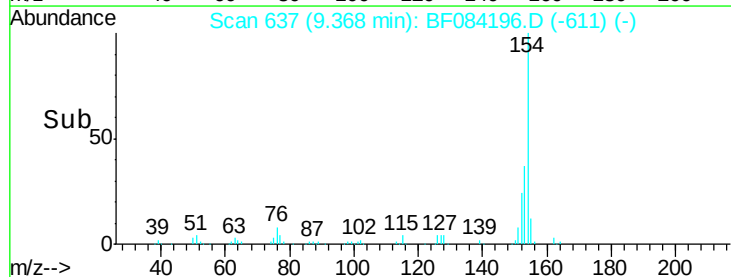
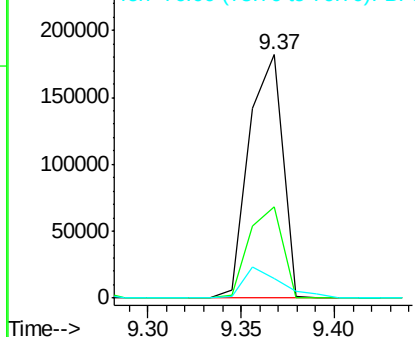


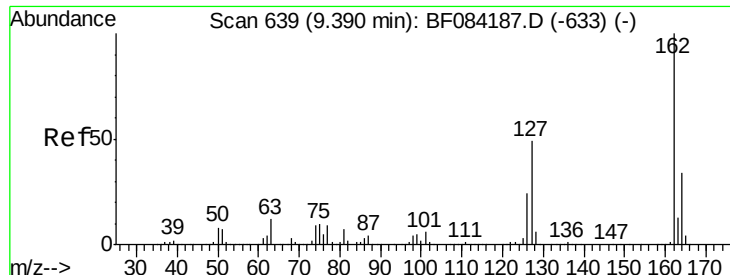
#45
 1,1'-Biphenyl
 Concen: 4.65 ng
 RT: 9.37 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: BF084196.D
 Acq: 31 Dec 2015 15:52

Tgt Ion:154 Resp: 226565
 Ion Ratio Lower Upper
 154 100
 153 37.4 21.6 61.6
 76 8.0 0.0 32.7



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

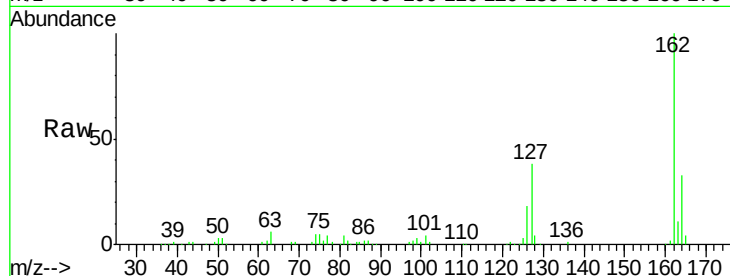




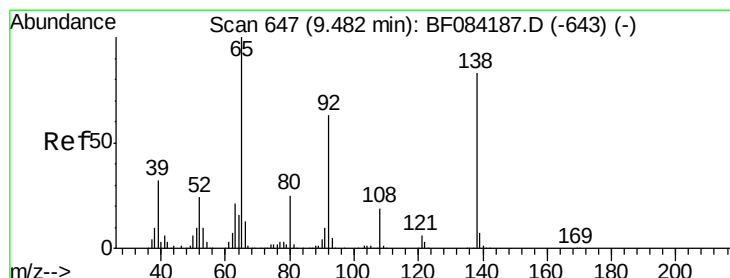
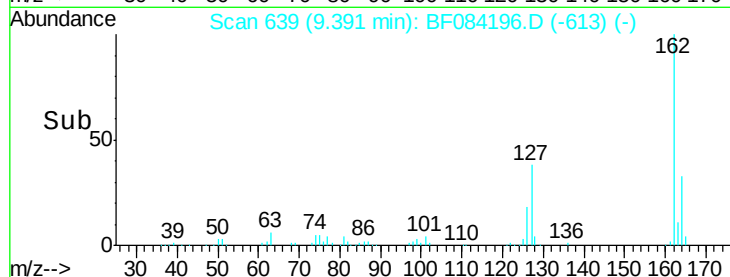
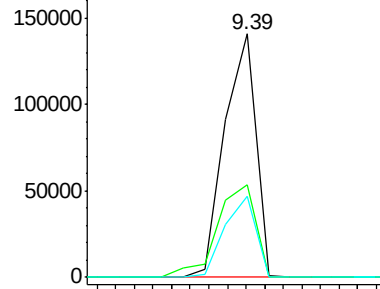
#46
 2-Chloronaphthalene
 Concen: 4.27 ng
 RT: 9.39 min Scan# 639
 Delta R.T. 0.00 min
 Lab File: BF084196.D
 Acq: 31 Dec 2015 15:52

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion: 162 Resp: 163343
 Ion Ratio Lower Upper
 162 100
 127 38.2 40.2 60.4#
 164 33.5 25.7 38.5

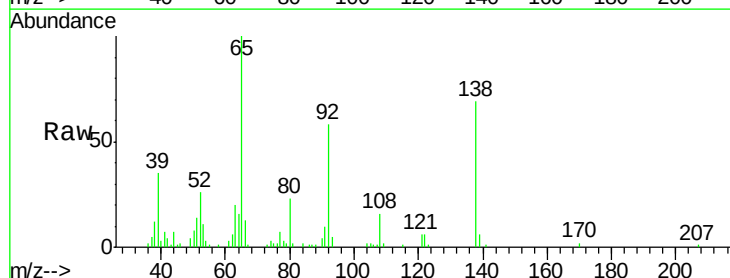


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

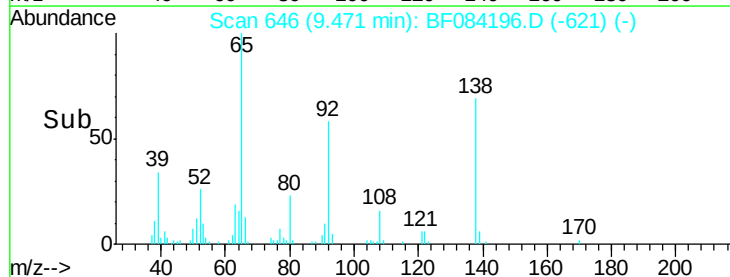
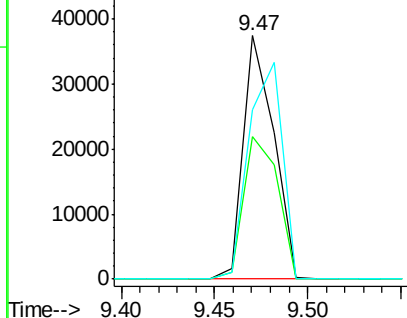


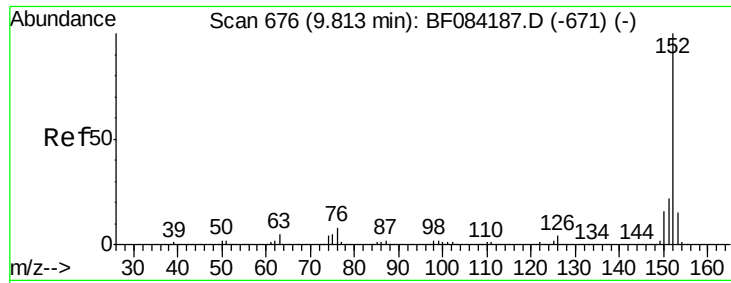
#47
 2-Nitroaniline
 Concen: 3.36 ng
 RT: 9.47 min Scan# 646
 Delta R.T. -0.01 min
 Lab File: BF084196.D
 Acq: 31 Dec 2015 15:52

Tgt Ion: 65 Resp: 42442
 Ion Ratio Lower Upper
 65 100
 92 58.4 53.4 80.2
 138 69.5 71.1 106.7#



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





#48

Acenaphthylene

Concen: 4.85 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.01 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

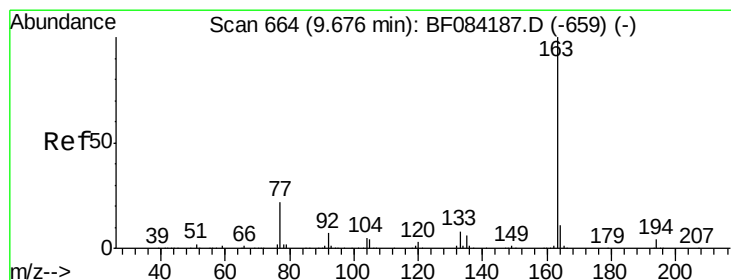
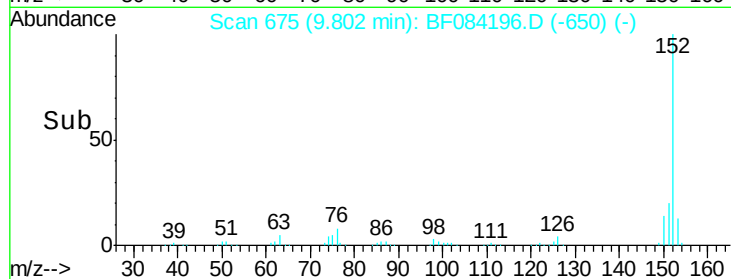
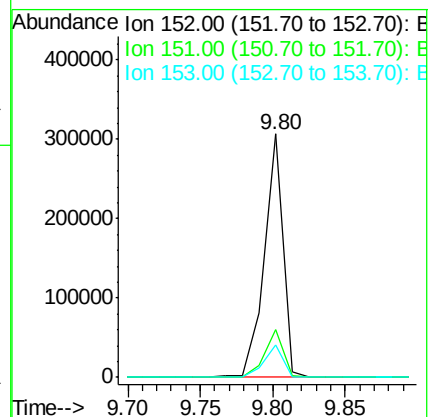
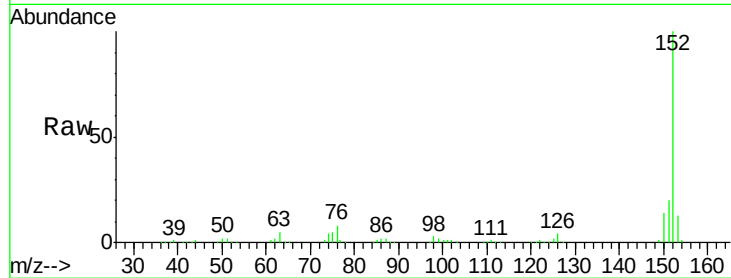
Tgt Ion:152 Resp: 274129

Ion Ratio Lower Upper

152 100

151 19.7 16.3 24.5

153 13.1 10.4 15.6



#49

Dimethylphthalate

Concen: 4.34 ng

RT: 9.65 min Scan# 662

Delta R.T. -0.02 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

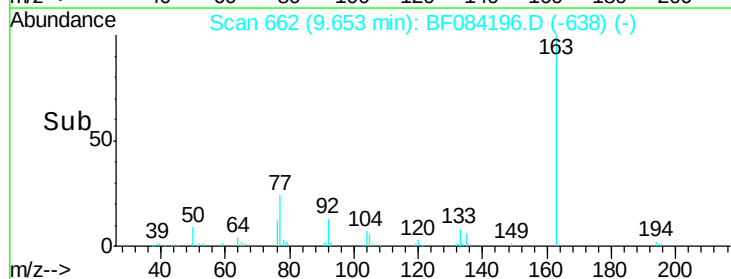
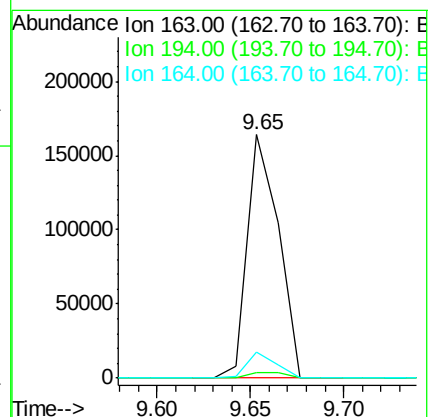
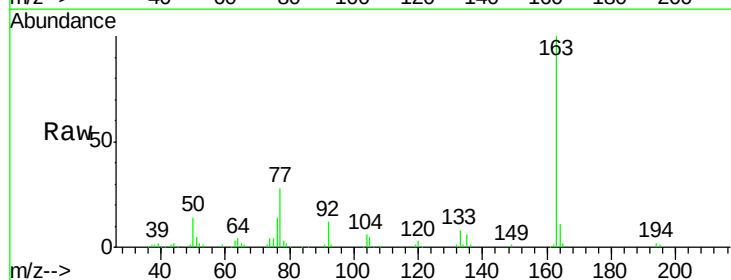
Tgt Ion:163 Resp: 189967

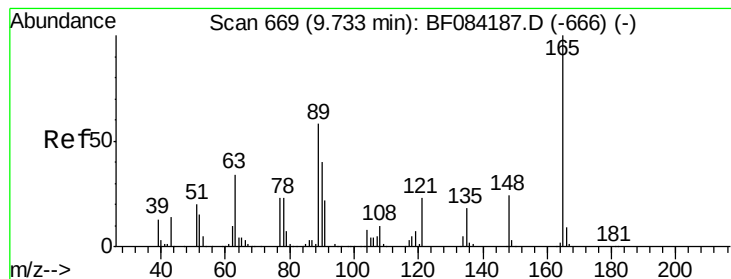
Ion Ratio Lower Upper

163 100

194 2.3 8.0 12.0#

164 10.7 8.0 12.0





#50

2,6-Dinitrotoluene

Concen: 3.84 ng

RT: 9.72 min Scan# 668

Delta R.T. -0.01 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

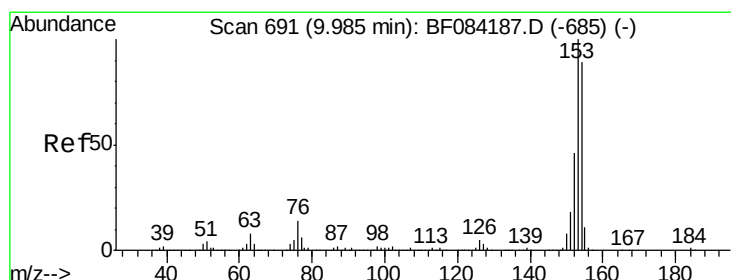
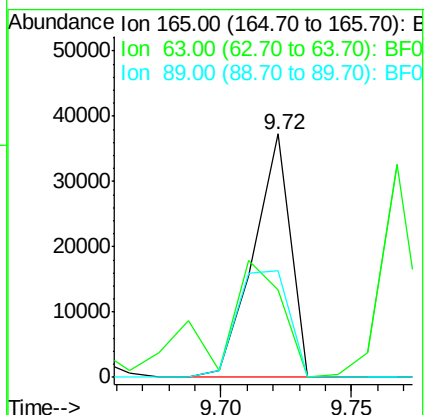
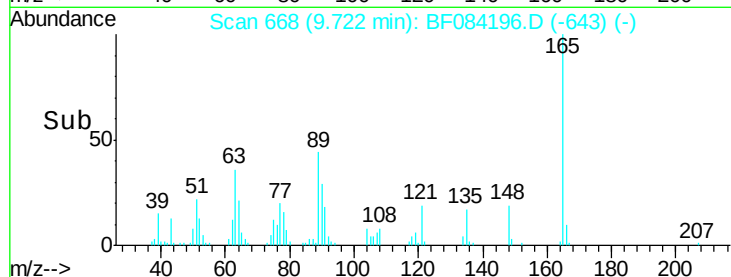
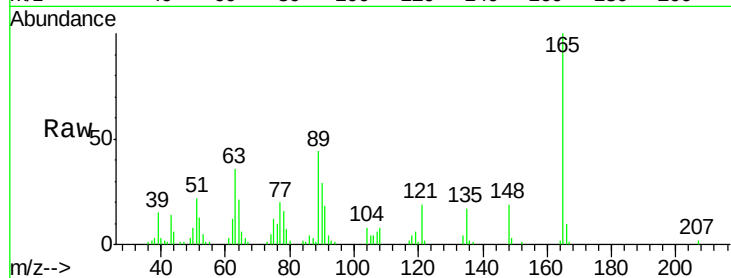
Tgt Ion:165 Resp: 36937

Ion Ratio Lower Upper

165 100

63 35.9 28.8 43.2

89 43.9 35.1 52.7



#51

Acenaphthene

Concen: 4.84 ng

RT: 9.97 min Scan# 690

Delta R.T. -0.01 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

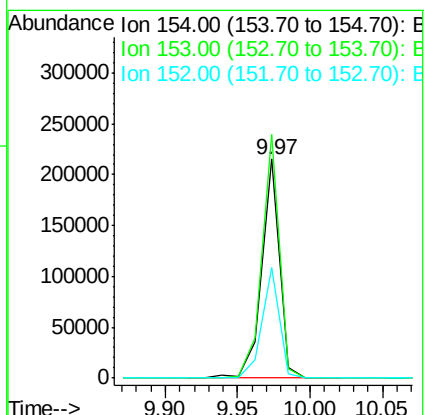
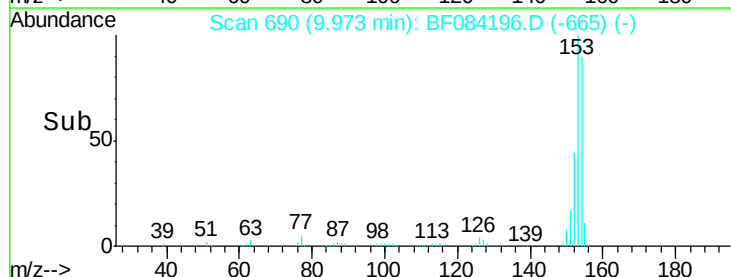
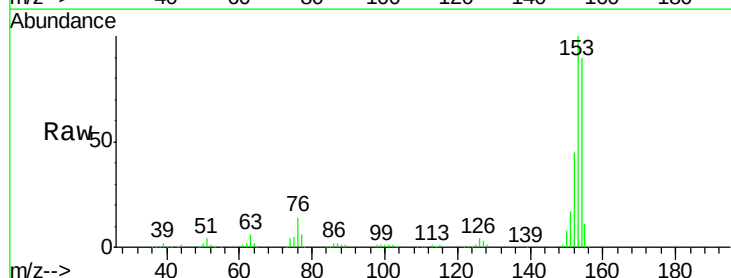
Tgt Ion:154 Resp: 183366

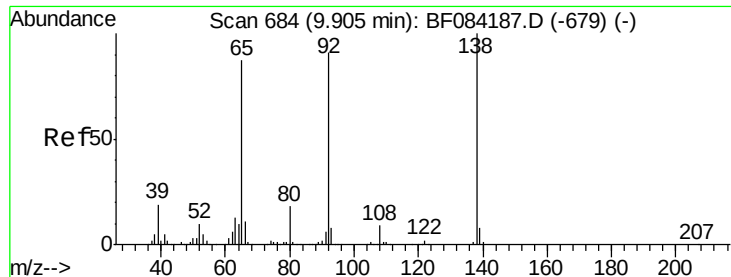
Ion Ratio Lower Upper

154 100

153 111.2 91.5 137.3

152 50.2 43.0 64.6





#52

3-Nitroaniline

Concen: 4.07 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.02 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

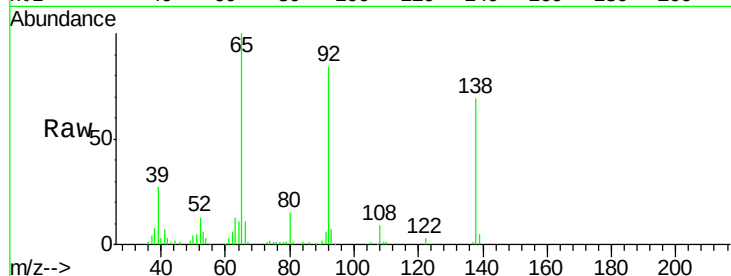
Tgt Ion:138 Resp: 48464

Ion Ratio Lower Upper

138 100

108 13.6 10.5 15.7

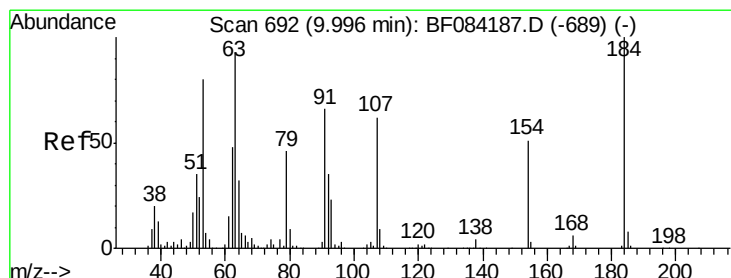
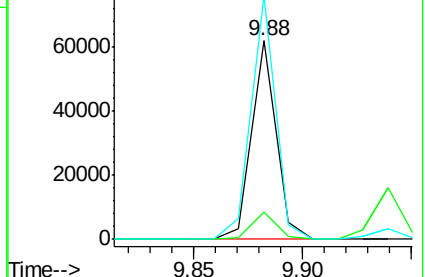
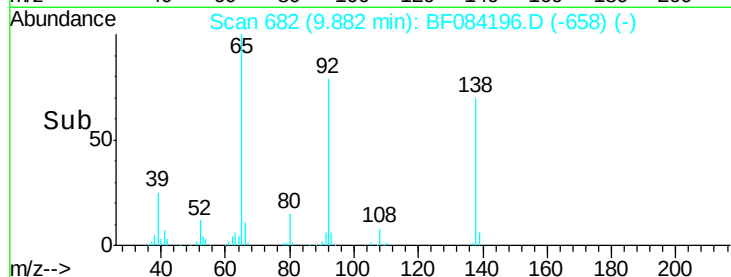
92 122.6 103.9 155.9



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: 4.12 ng

RT: 9.98 min Scan# 691

Delta R.T. -0.01 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

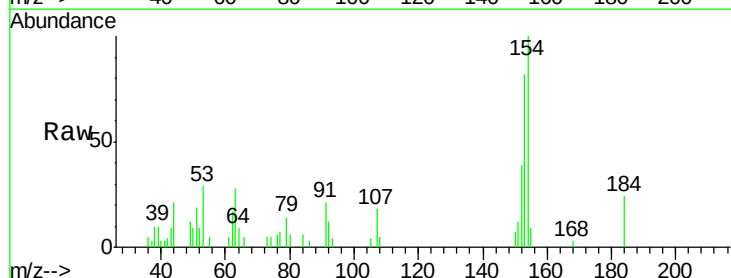
Tgt Ion:184 Resp: 2422

Ion Ratio Lower Upper

184 100

63 117.2 43.1 64.7#

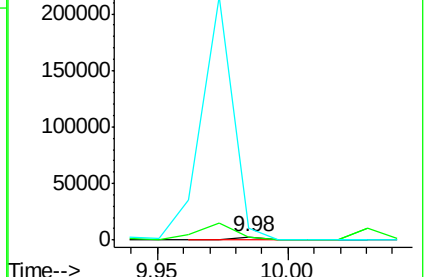
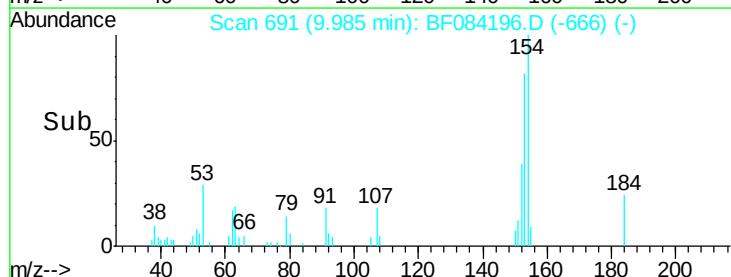
154 418.8 60.5 90.7#

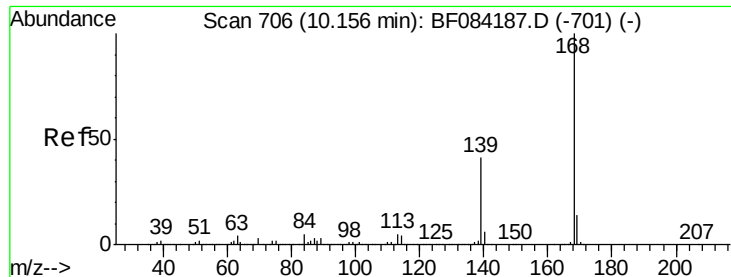


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

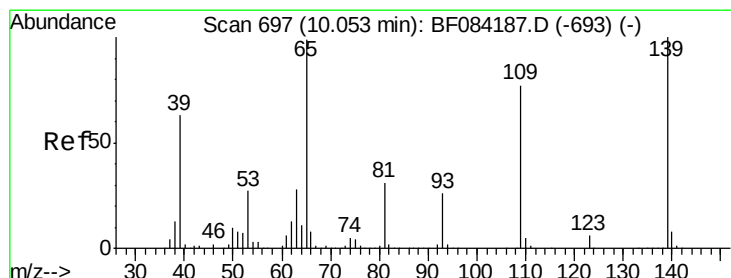
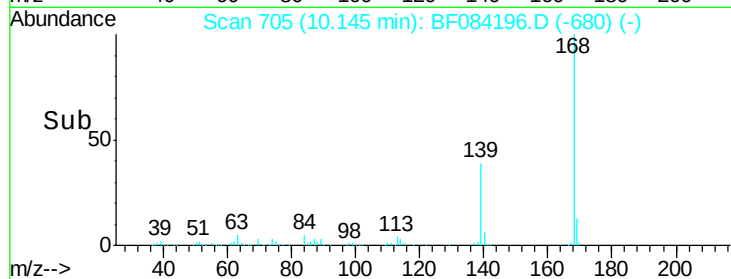
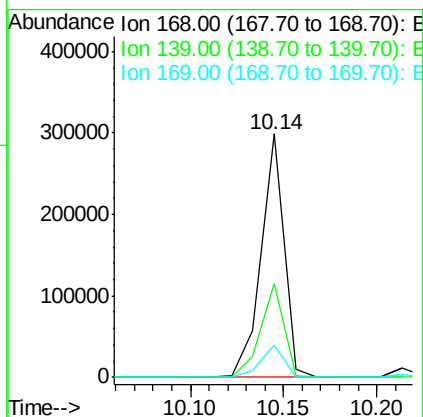
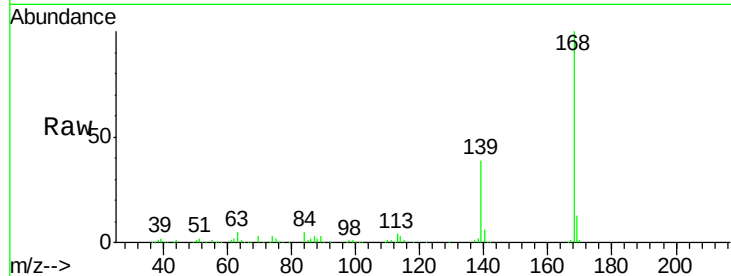




#54
Dibenzofuran
Concen: 2.31 ng
RT: 10.14 min Scan# 705
Delta R.T. -0.01 min
Lab File: BF084196.D
Acq: 31 Dec 2015 15:52

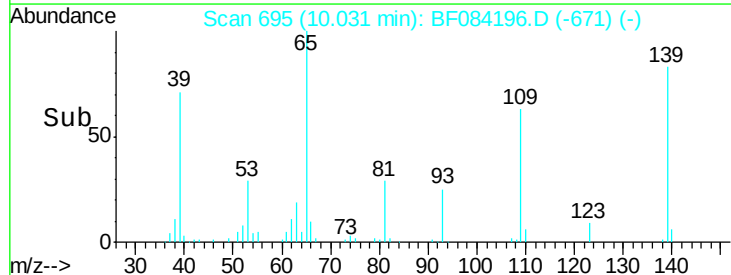
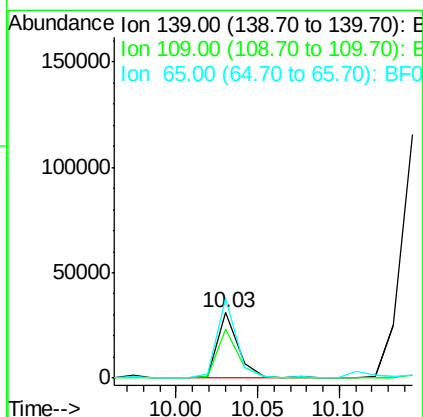
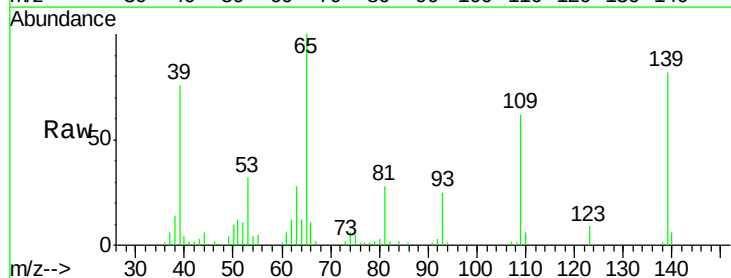
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

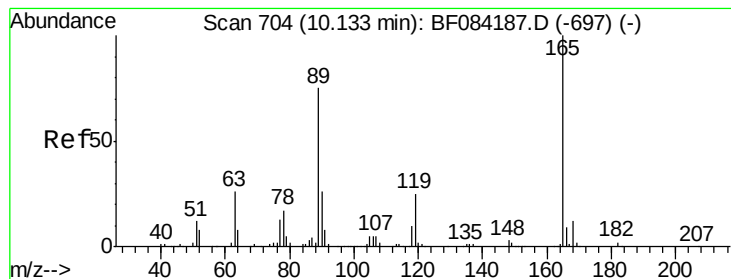
Tgt Ion:168 Resp: 252039
Ion Ratio Lower Upper
168 100
139 38.6 30.5 45.7
169 13.4 10.4 15.6



#55
4-Nitrophenol
Concen: 3.21 ng
RT: 10.03 min Scan# 695
Delta R.T. -0.02 min
Lab File: BF084196.D
Acq: 31 Dec 2015 15:52

Tgt Ion:139 Resp: 27724
Ion Ratio Lower Upper
139 100
109 75.7 58.5 98.5
65 121.9 57.6 97.6#





#56

2,4-Dinitrotoluene

Concen: 3.80 ng

RT: 10.12 min Scan# 703

Delta R.T. -0.01 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

Tgt Ion:165 Resp: 46175

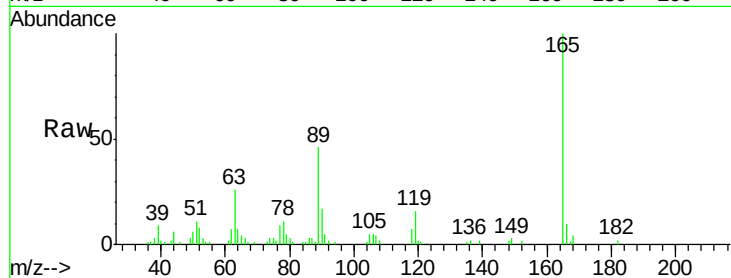
Ion Ratio Lower Upper

165 100

63 25.8 36.7 55.1#

89 45.6 61.9 92.9#

182 2.5 2.0 3.0

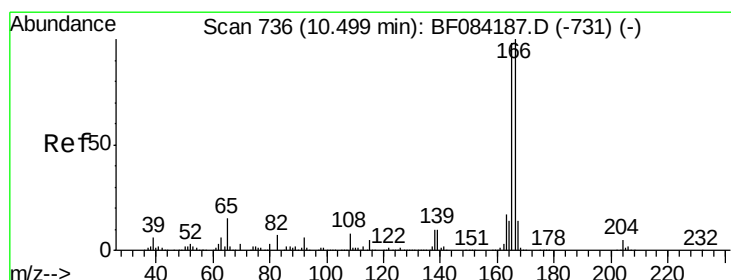
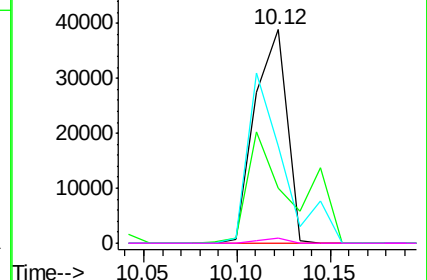
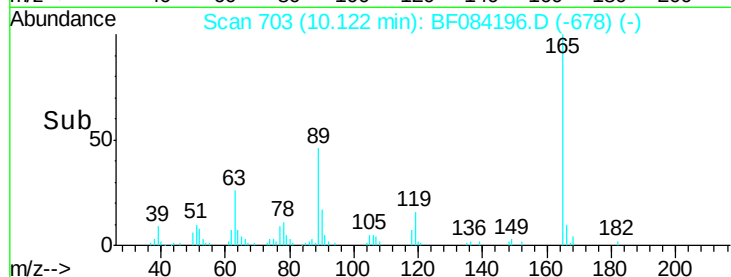


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57

Fluorene

Concen: 3.00 ng

RT: 10.49 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

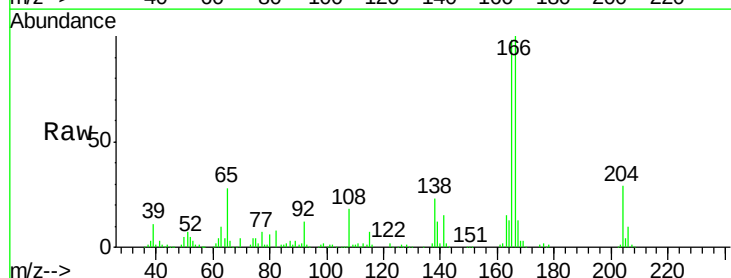
Tgt Ion:166 Resp: 198348

Ion Ratio Lower Upper

166 100

165 98.1 79.1 118.7

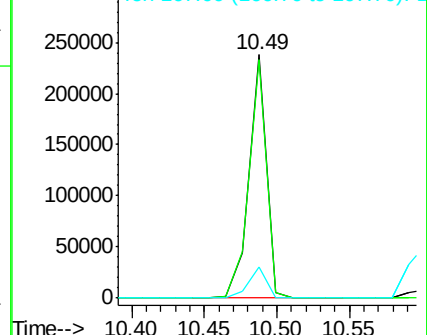
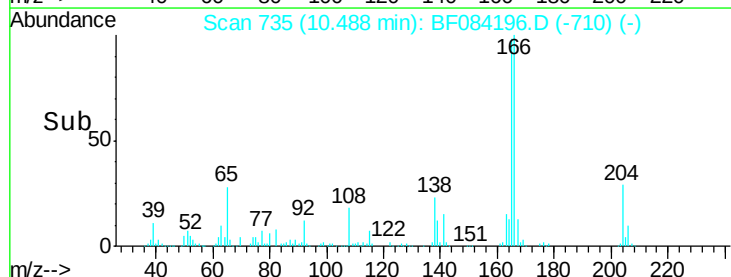
167 13.0 10.4 15.6

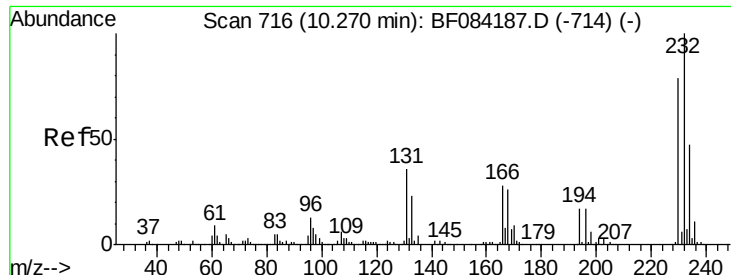


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

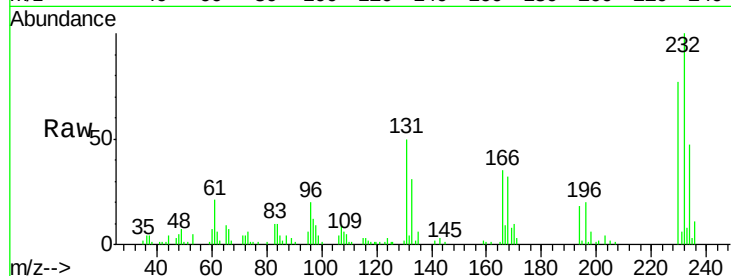




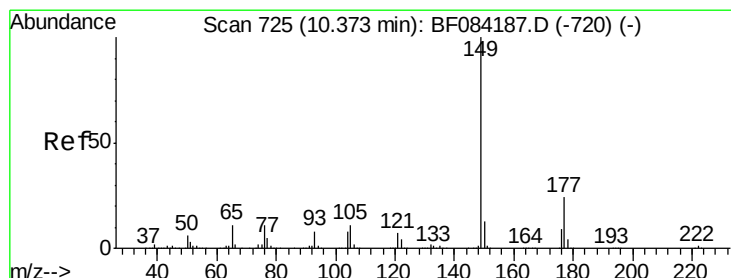
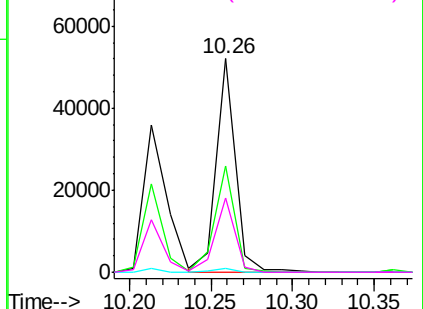
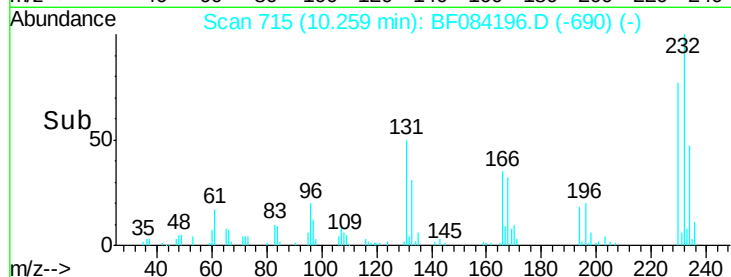
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 3.96 ng
 RT: 10.26 min Scan# 715
 Delta R.T. -0.01 min
 Lab File: BF084196.D
 Acq: 31 Dec 2015 15:52

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion:	232	Resp:	42718
Ion	Ratio	Lower	Upper
232	100		
131	51.8	47.0	70.6
130	2.2	2.0	3.0
166	36.1	30.5	45.7

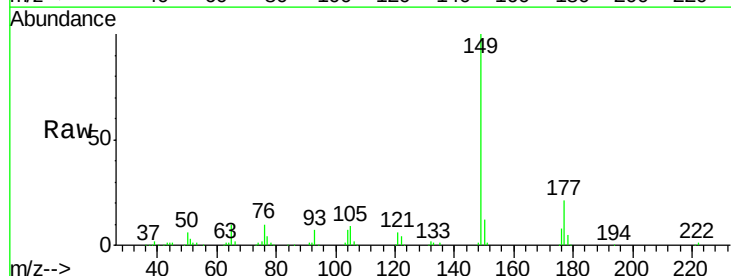


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

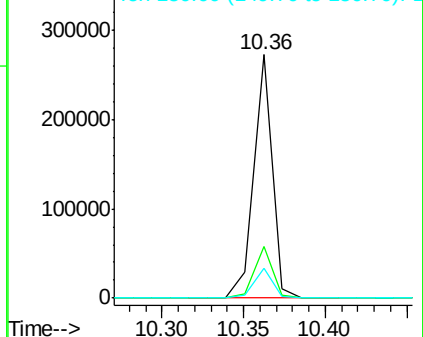
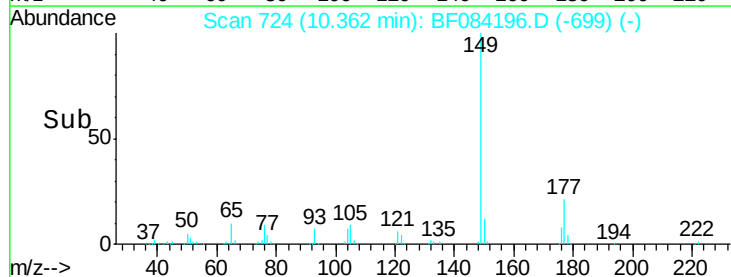


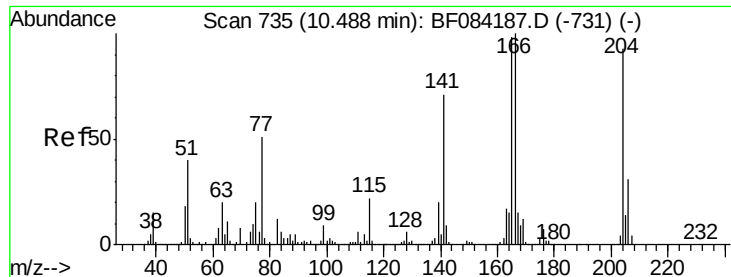
#59
 Diethylphthalate
 Concen: 4.97 ng
 RT: 10.36 min Scan# 724
 Delta R.T. -0.01 min
 Lab File: BF084196.D
 Acq: 31 Dec 2015 15:52

Tgt Ion:	149	Resp:	214784
Ion	Ratio	Lower	Upper
149	100		
177	21.4	17.3	25.9
150	12.4	9.8	14.8



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

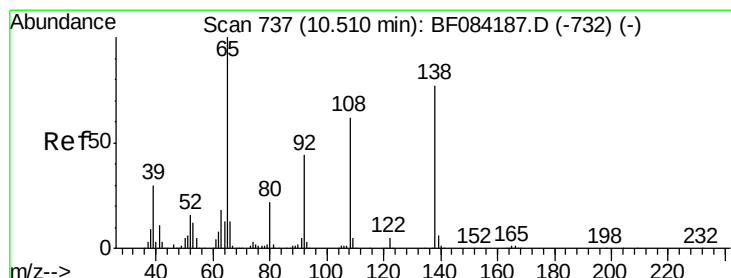
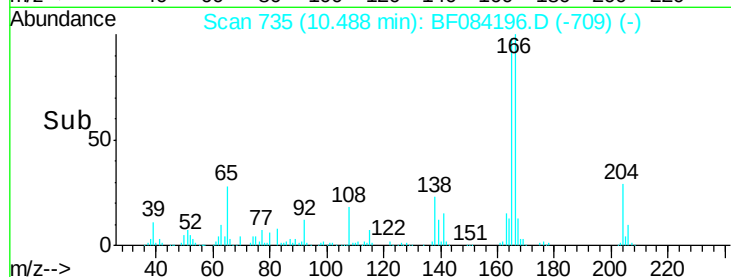
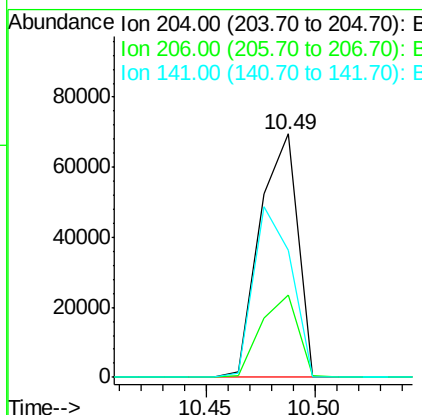
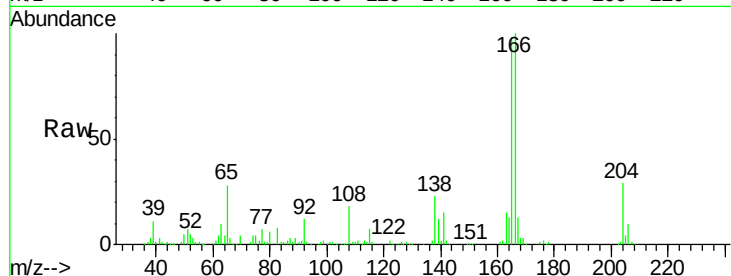




#60
 4-Chlorophenyl-phenylether
 Concen: Below Cal
 RT: 10.49 min Scan# 735
 Delta R.T. 0.00 min
 Lab File: BF084196.D
 Acq: 31 Dec 2015 15:52

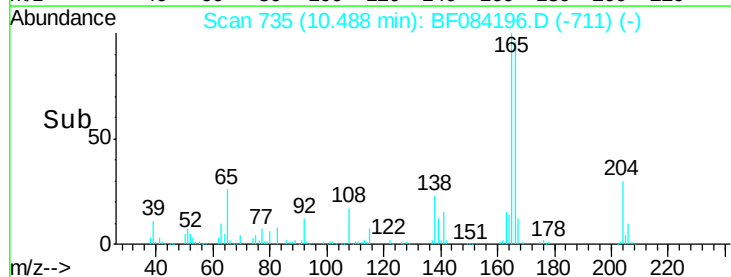
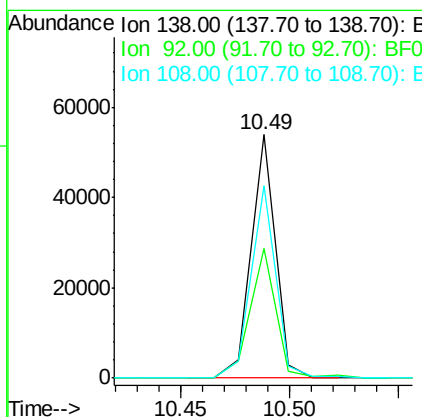
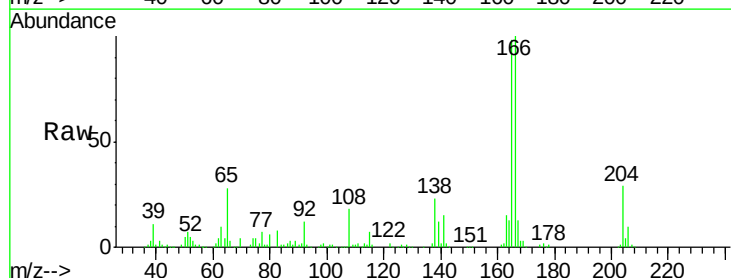
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

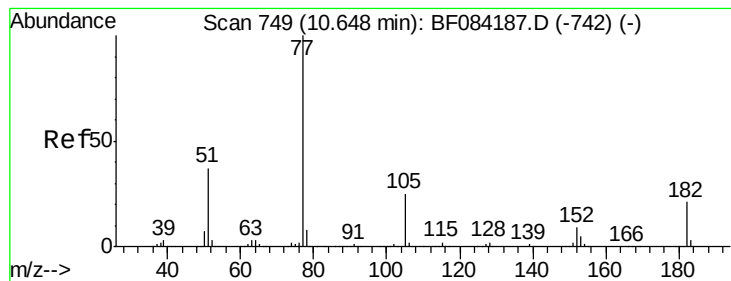
Tgt Ion: 204 Resp: 84575
 Ion Ratio Lower Upper
 204 100
 206 33.9 25.7 38.5
 141 52.0 55.1 82.7#



#61
 4-Nitroaniline
 Concen: 3.95 ng
 RT: 10.49 min Scan# 735
 Delta R.T. -0.02 min
 Lab File: BF084196.D
 Acq: 31 Dec 2015 15:52

Tgt Ion: 138 Resp: 41955
 Ion Ratio Lower Upper
 138 100
 92 53.3 32.6 72.6
 108 79.2 68.6 108.6





#62

Azobenzene

Concen: 3.97 ng

RT: 10.64 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

Tgt Ion: 77 Resp: 188080

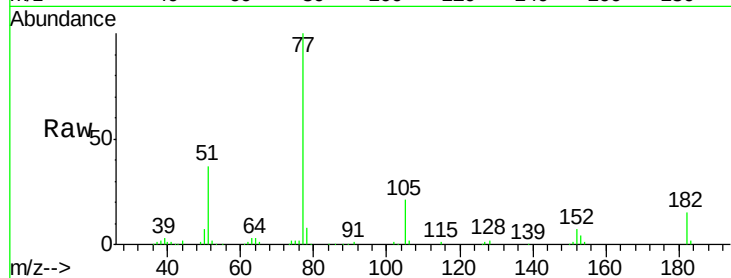
Ion Ratio Lower Upper

77 100

182 15.0 8.3 48.3

105 21.4 4.6 44.6

51 37.4 6.2 46.2

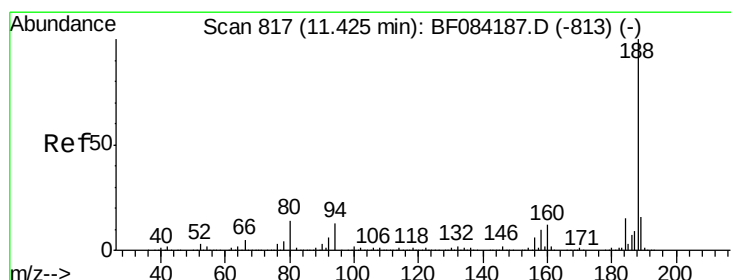
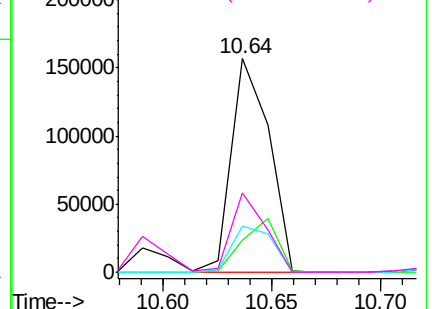
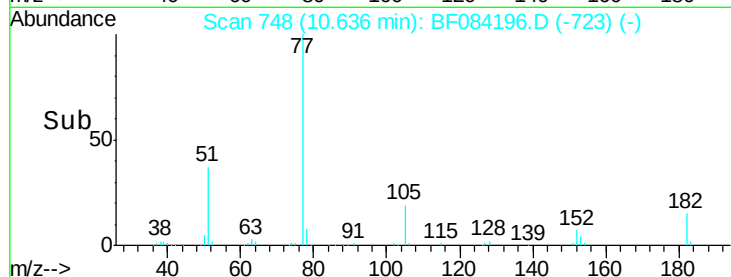


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 11.43 min Scan# 817

Delta R.T. 0.00 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

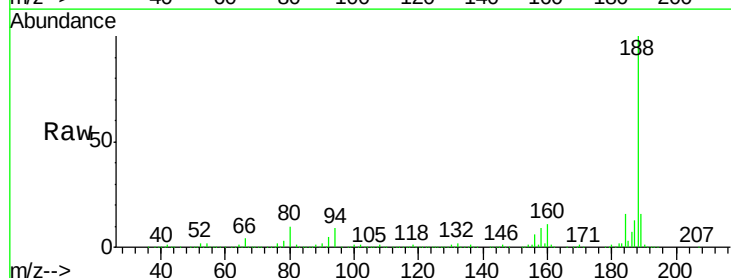
Tgt Ion: 188 Resp: 1180587

Ion Ratio Lower Upper

188 100

94 9.4 9.0 13.4

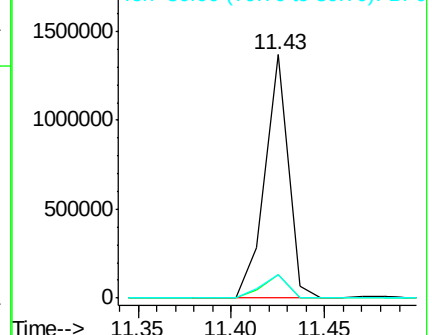
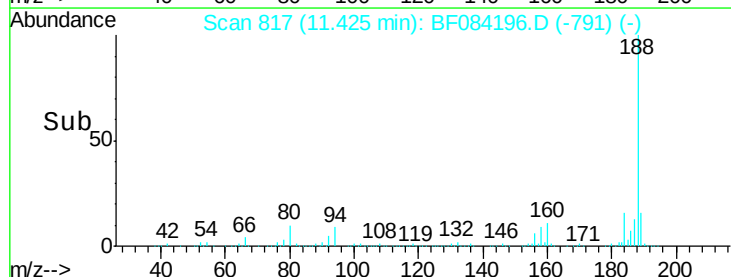
80 9.8 9.6 14.4

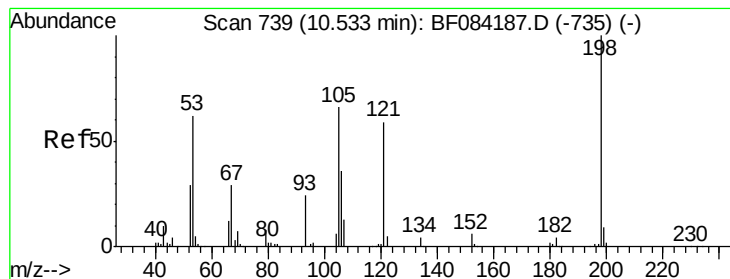


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.54 ng

RT: 10.52 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

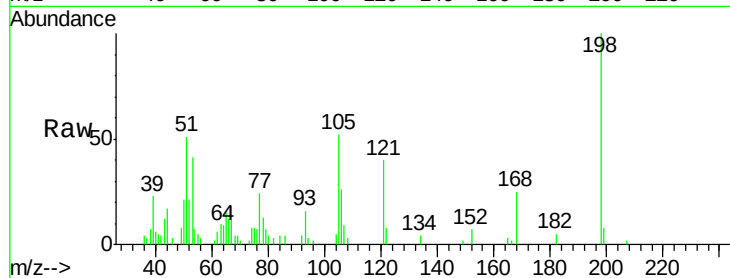
Tgt Ion:198 Resp: 11089

Ion Ratio Lower Upper

198 100

51 51.1 18.9 58.9

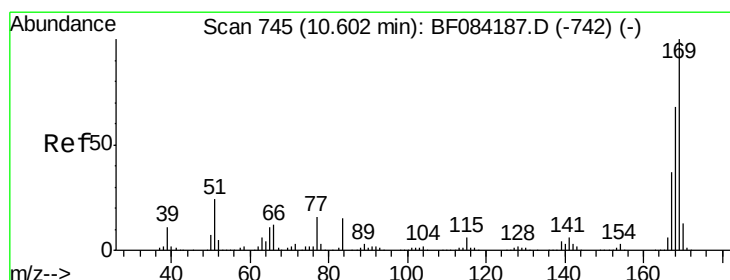
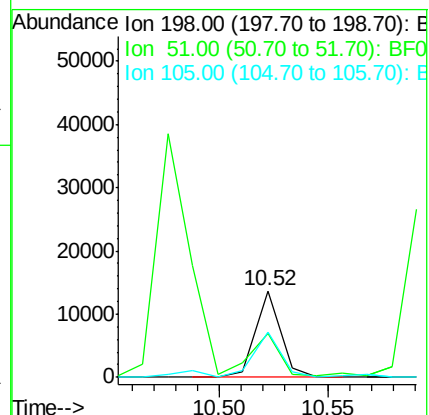
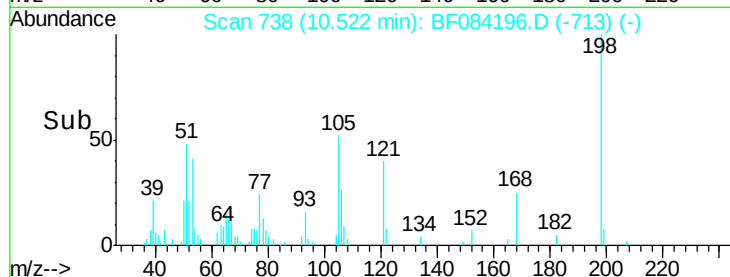
105 52.3 26.4 66.4



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: 4.16 ng

RT: 10.60 min Scan# 745

Delta R.T. 0.00 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

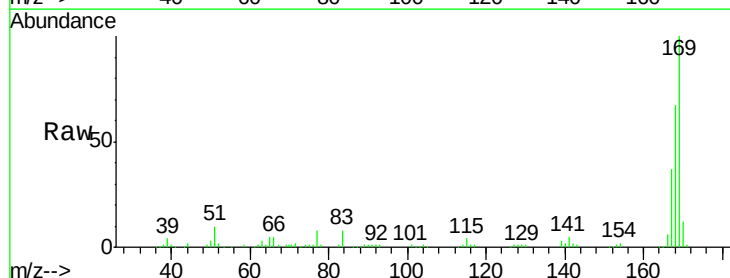
Tgt Ion:169 Resp: 157126

Ion Ratio Lower Upper

169 100

168 66.9 55.1 82.7

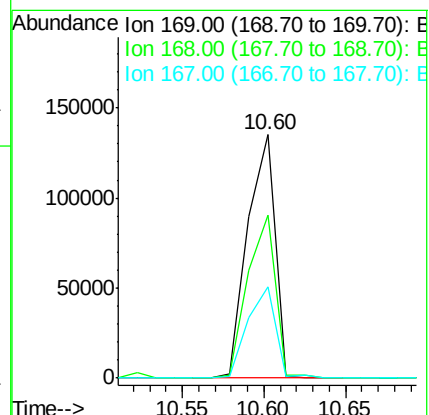
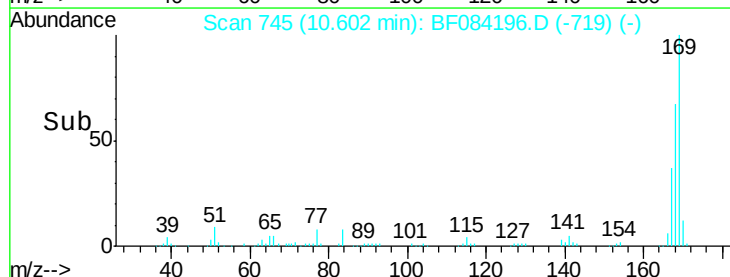
167 37.5 30.0 45.0

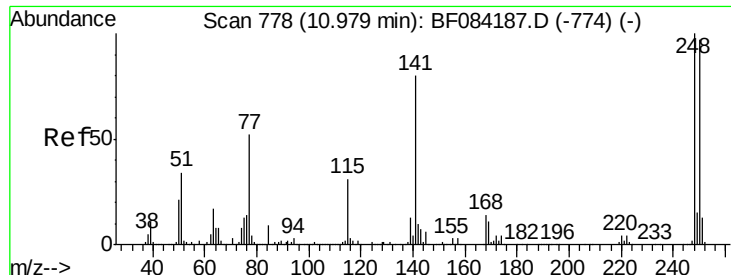


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

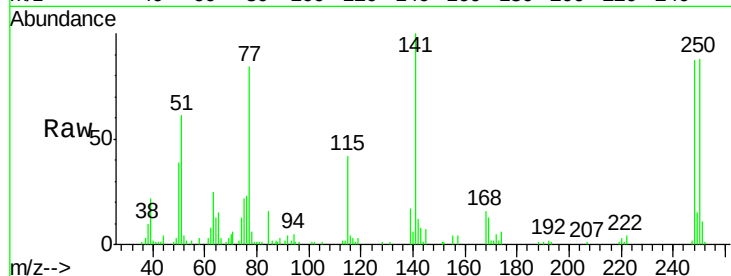




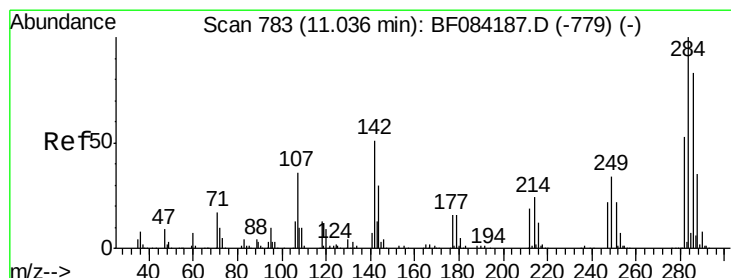
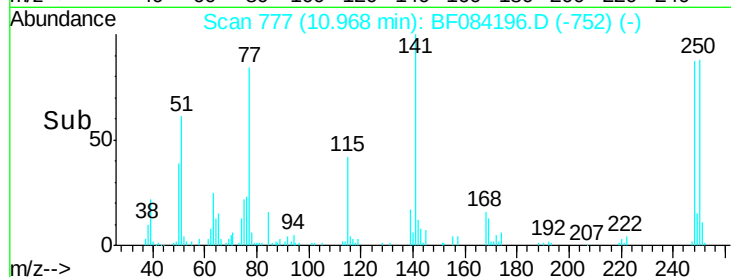
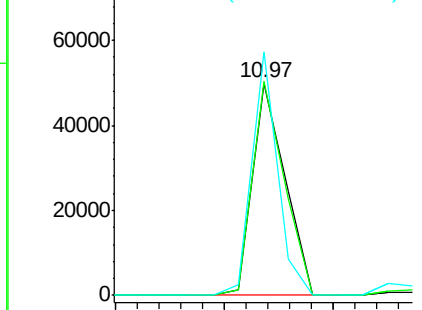
#66
 4-Bromophenyl-phenylether
 Concen: 4.10 ng
 RT: 10.97 min Scan# 777
 Delta R.T. -0.01 min
 Lab File: BF084196.D
 Acq: 31 Dec 2015 15:52

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion:248 Resp: 52089
 Ion Ratio Lower Upper
 248 100
 250 101.3 78.4 117.6
 141 114.9 44.0 66.0#

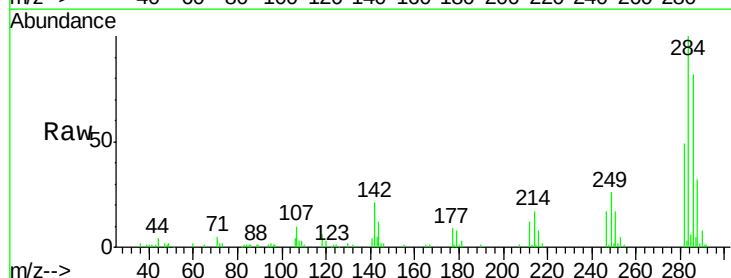


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

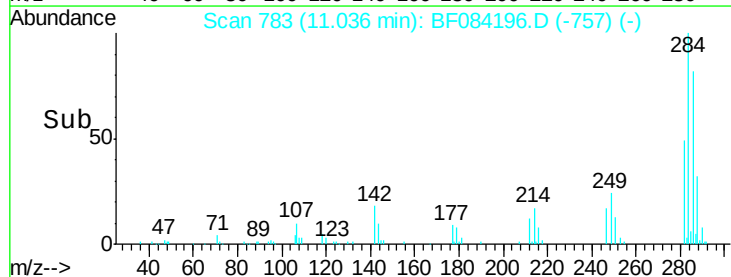
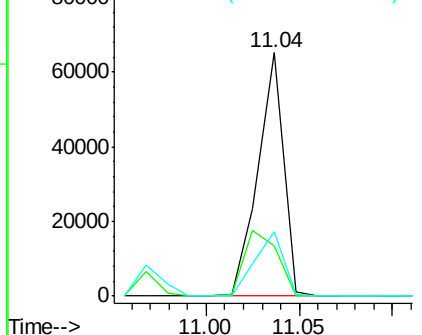


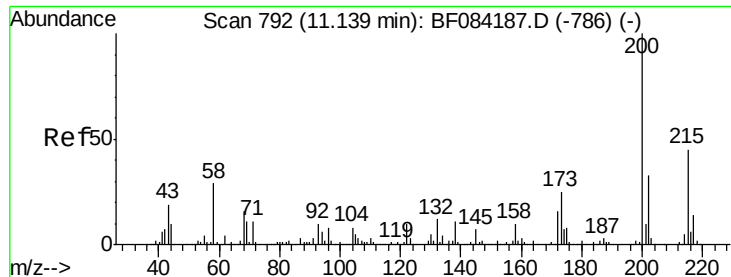
#67
 Hexachlorobenzene
 Concen: 4.32 ng
 RT: 11.04 min Scan# 783
 Delta R.T. 0.00 min
 Lab File: BF084196.D
 Acq: 31 Dec 2015 15:52

Tgt Ion:284 Resp: 61774
 Ion Ratio Lower Upper
 284 100
 142 20.9 22.2 33.4#
 249 26.4 24.6 37.0



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

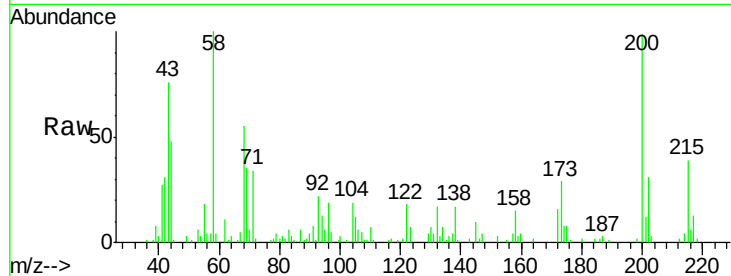




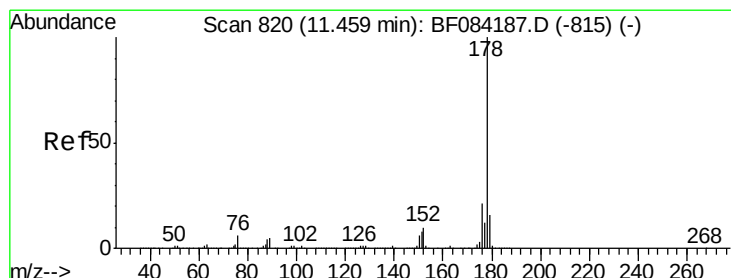
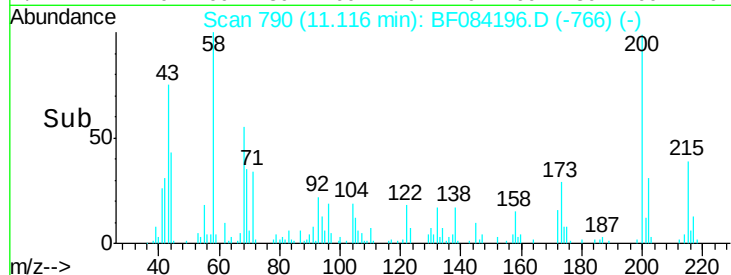
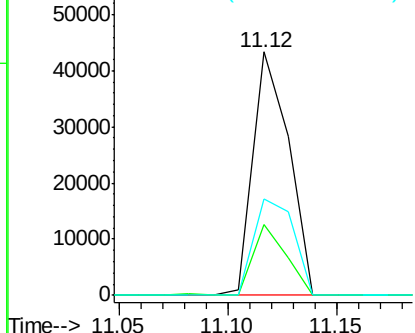
#68
Atrazine
Concen: 4.03 ng
RT: 11.12 min Scan# 790
Delta R.T. -0.02 min
Lab File: BF084196.D
Acq: 31 Dec 2015 15:52

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion	Ratio	Lower	Upper
200	100		
173	29.0	9.5	49.5
215	39.5	23.8	63.8

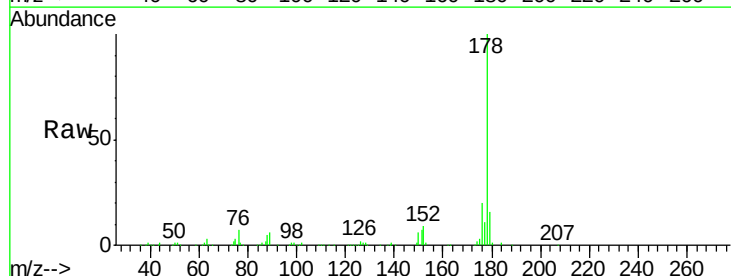


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

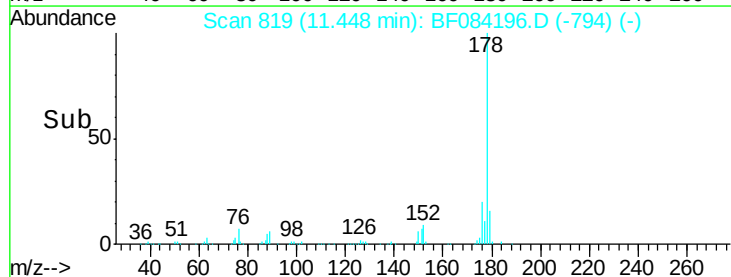
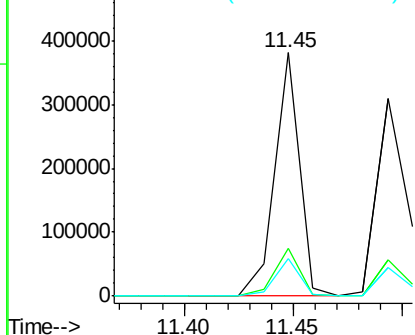


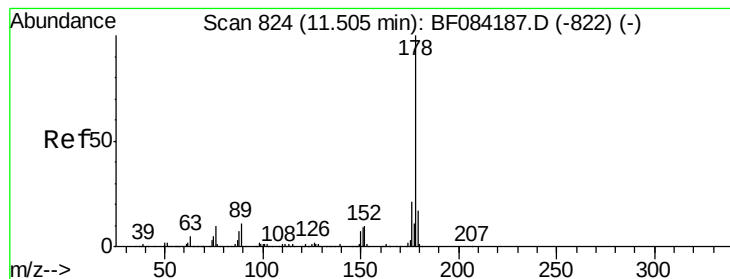
#70
Phenanthrene
Concen: 4.95 ng
RT: 11.45 min Scan# 819
Delta R.T. -0.01 min
Lab File: BF084196.D
Acq: 31 Dec 2015 15:52

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.3	22.9
179	15.6	12.0	18.0



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: 4.87 ng

RT: 11.49 min Scan# 823

Delta R.T. -0.01 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

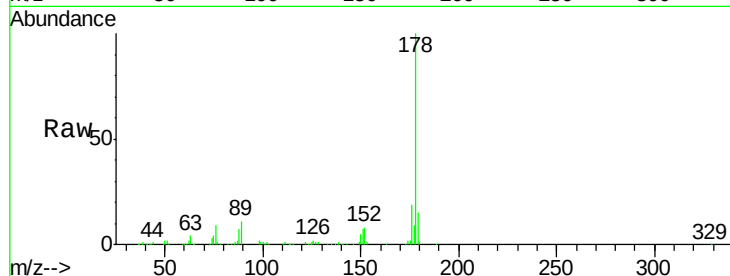
Tgt Ion:178 Resp: 294647

Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.0

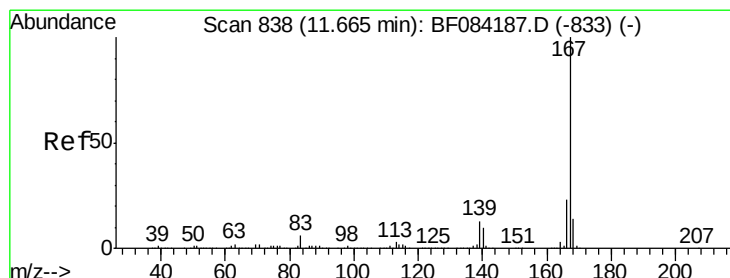
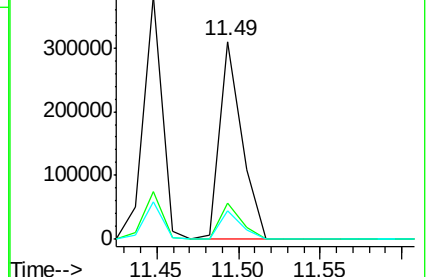
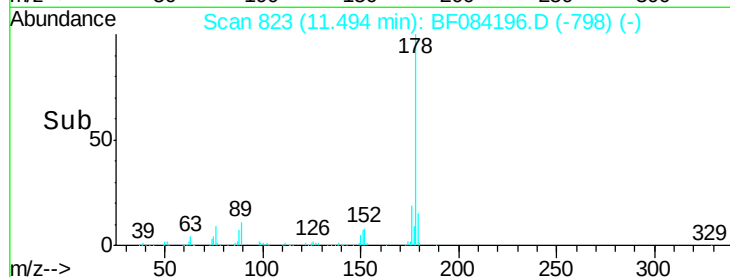
179 14.7 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 4.25 ng

RT: 11.65 min Scan# 837

Delta R.T. -0.01 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

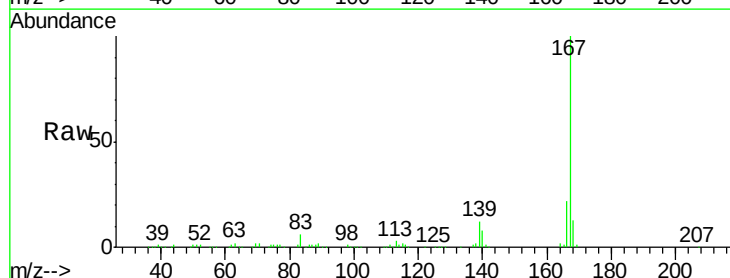
Tgt Ion:167 Resp: 251571

Ion Ratio Lower Upper

167 100

166 21.5 17.6 26.4

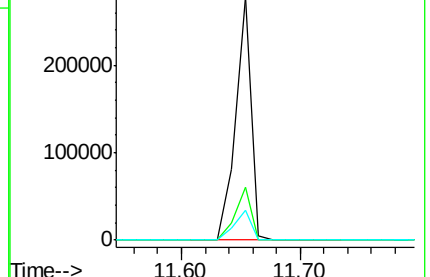
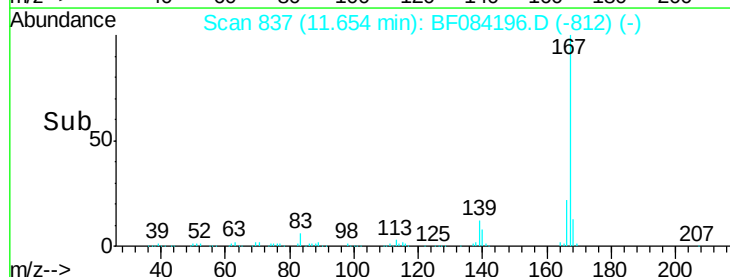
139 12.1 11.8 17.8

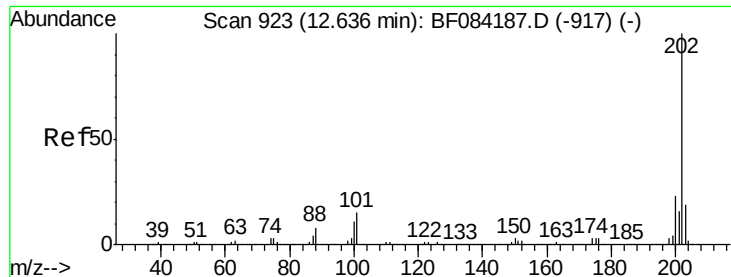


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

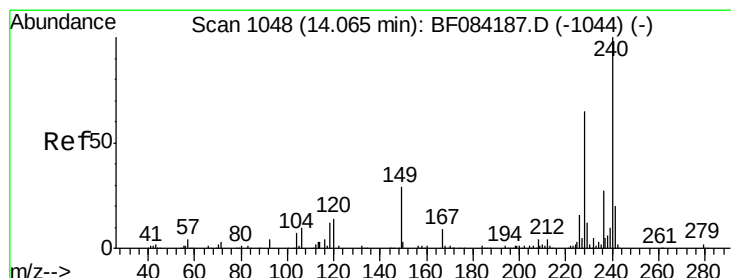
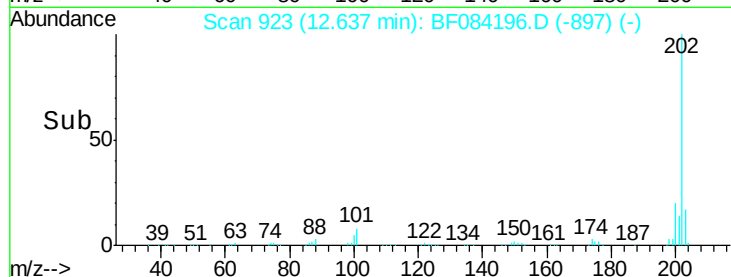
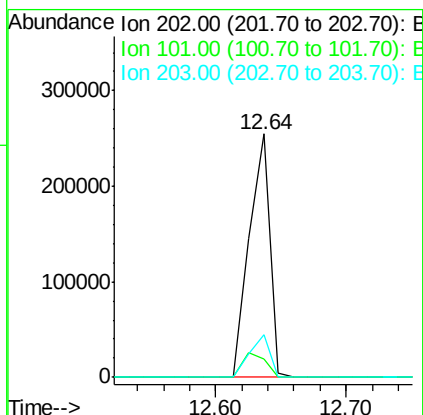
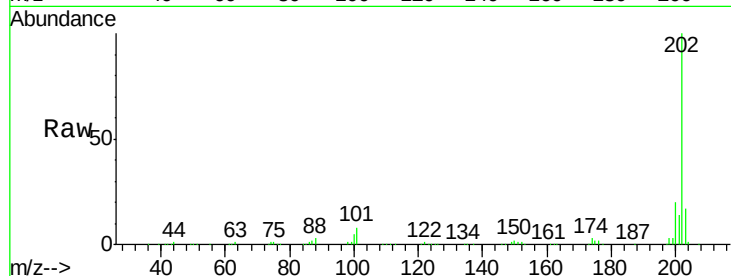




#74
Fluoranthene
Concen: 4.34 ng
RT: 12.64 min Scan# 923
Delta R.T. 0.00 min
Lab File: BF084196.D
Acq: 31 Dec 2015 15:52

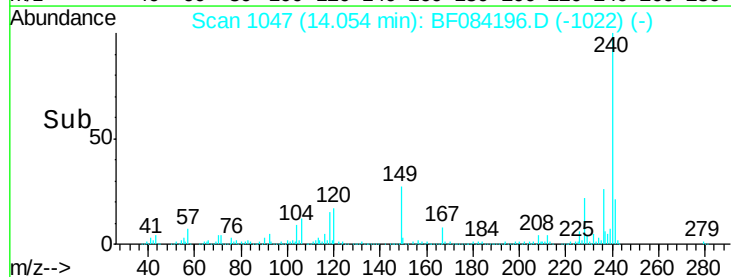
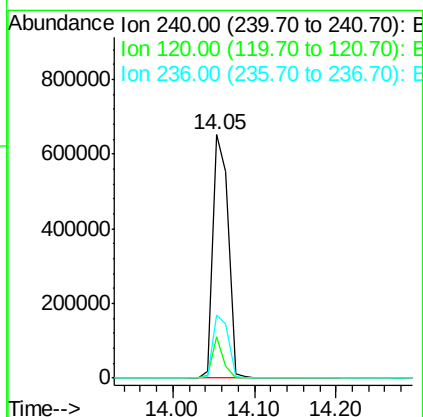
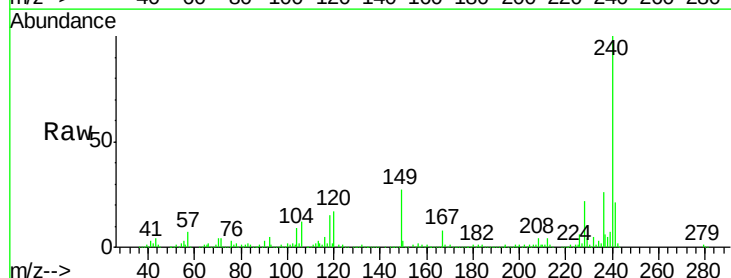
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

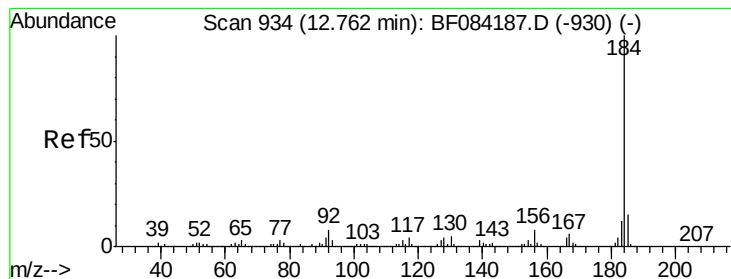
Tgt Ion: 202 Resp: 279730
Ion Ratio Lower Upper
202 100
101 7.5 0.0 32.8
203 17.3 0.0 37.9



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.05 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BF084196.D
Acq: 31 Dec 2015 15:52

Tgt Ion: 240 Resp: 858536
Ion Ratio Lower Upper
240 100
120 16.7 9.5 14.3#
236 26.2 20.6 31.0





#76

Benzidine

Concen: 2.48 ng

RT: 12.75 min Scan# 933

Delta R.T. -0.01 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

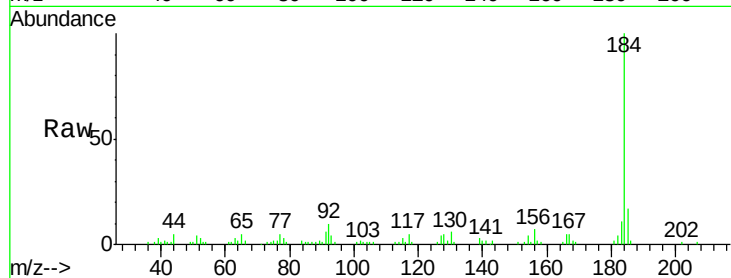
Tgt Ion:184 Resp: 76329

Ion Ratio Lower Upper

184 100

185 16.8 12.2 18.2

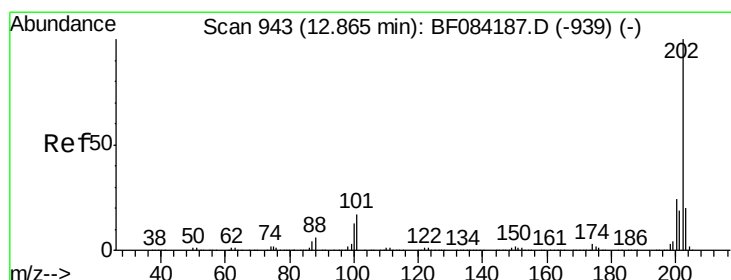
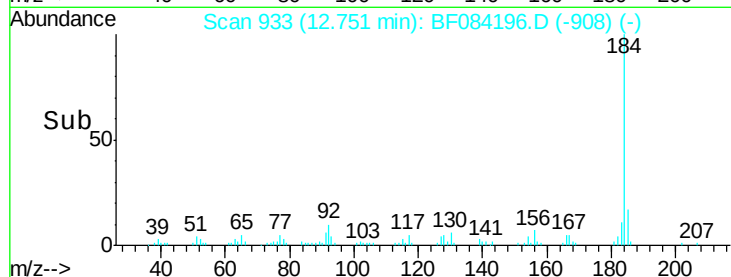
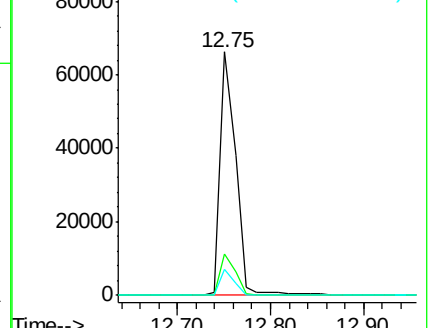
183 10.6 9.8 14.8



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 4.31 ng

RT: 12.87 min Scan# 943

Delta R.T. 0.00 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

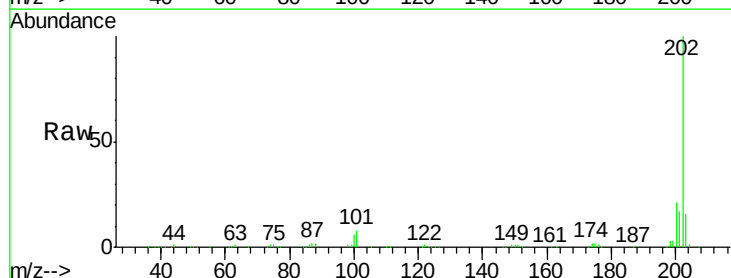
Tgt Ion:202 Resp: 290499

Ion Ratio Lower Upper

202 100

200 20.5 17.2 25.8

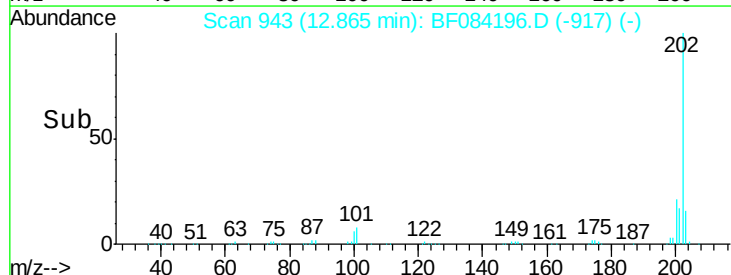
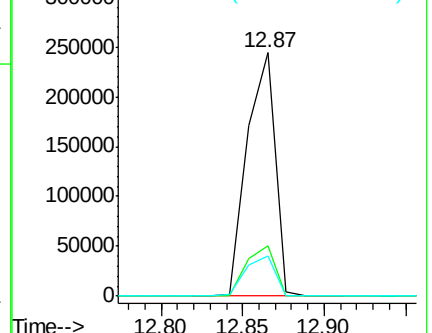
203 16.2 14.3 21.5

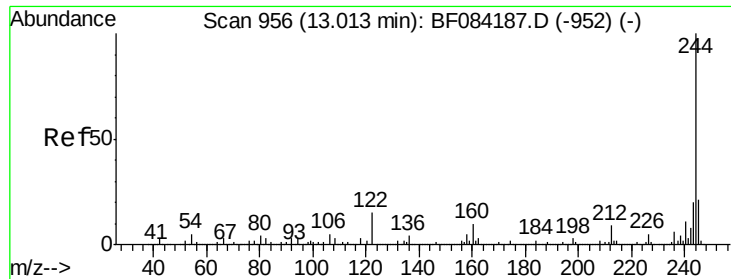


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

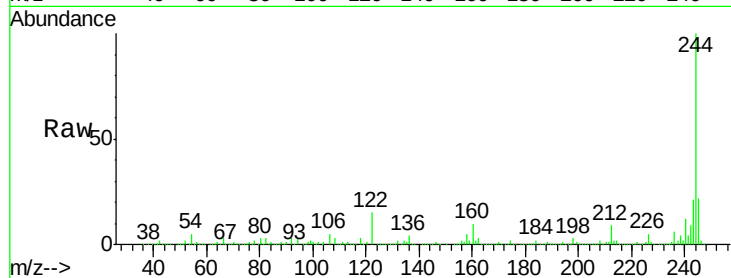




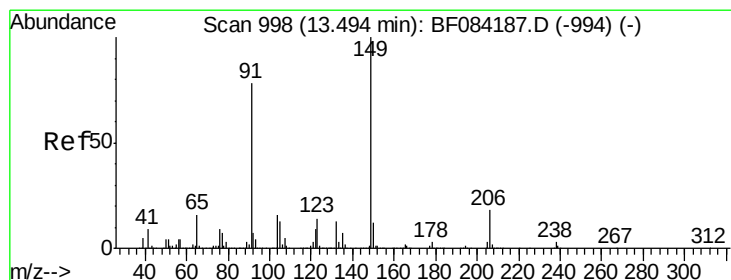
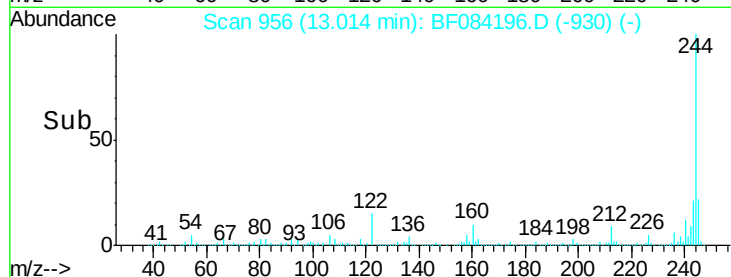
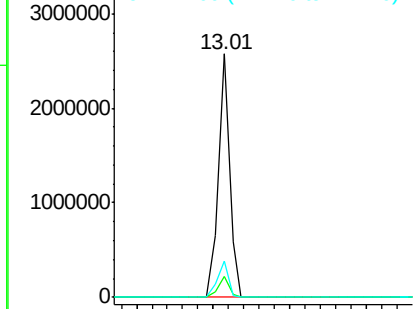
#78
 Terphenyl-d14
 Concen: 68.42 ng
 RT: 13.01 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: BF084196.D
 Acq: 31 Dec 2015 15:52

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion:244 Resp: 2631492
 Ion Ratio Lower Upper
 244 100
 212 8.6 5.7 8.5#
 122 14.8 7.4 11.0#

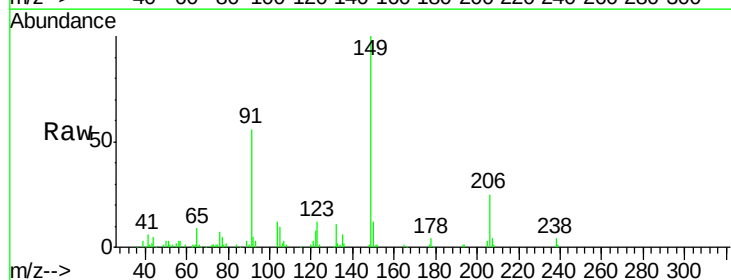


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

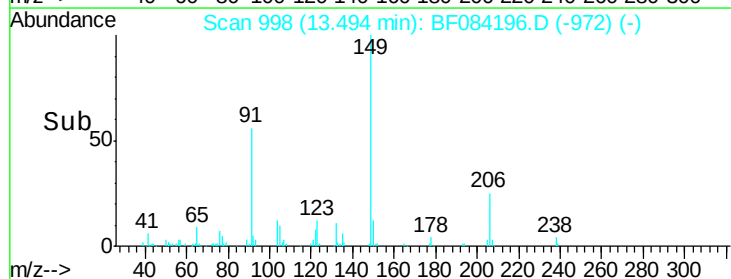
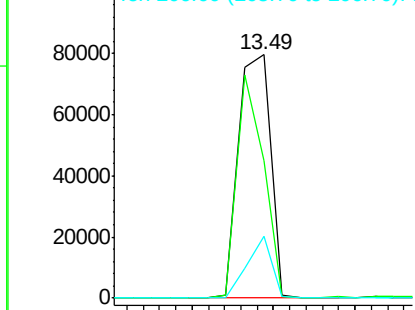


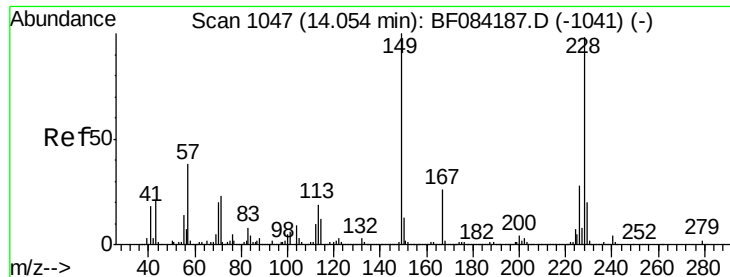
#79
 Butylbenzylphthalate
 Concen: 3.70 ng
 RT: 13.49 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: BF084196.D
 Acq: 31 Dec 2015 15:52

Tgt Ion:149 Resp: 107959
 Ion Ratio Lower Upper
 149 100
 91 56.2 57.6 86.4#
 206 25.4 13.2 19.8#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 91.00 (90.70 to 91.70): BF0
 Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 4.29 ng

RT: 14.04 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

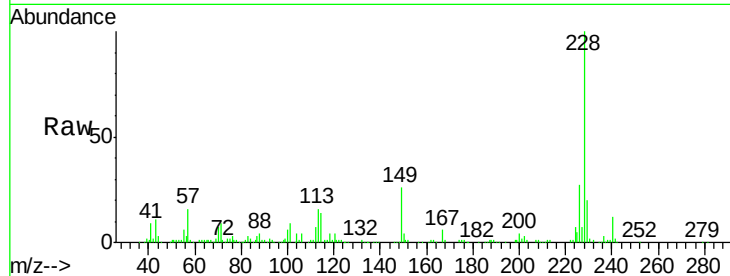
Tgt Ion:228 Resp: 216451

Ion Ratio Lower Upper

228 100

226 27.2 21.8 32.6

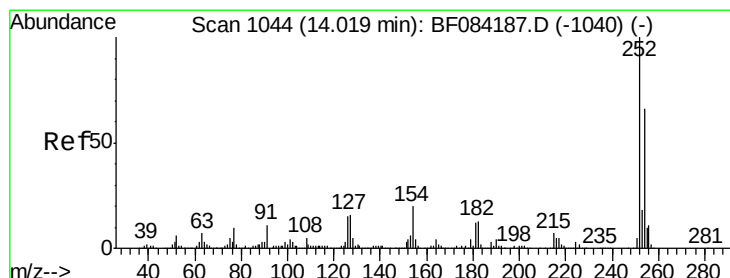
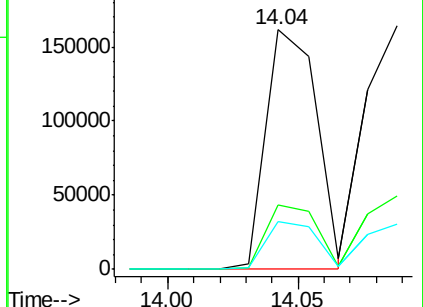
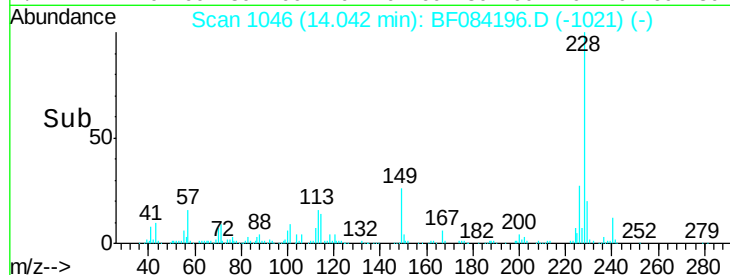
229 20.0 15.8 23.8



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



#81

3,3'-Dichlorobenzidine

Concen: 2.35 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

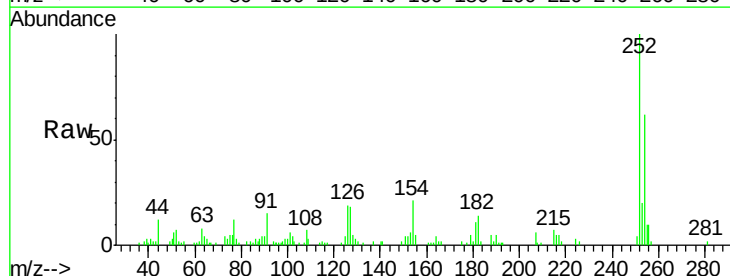
Tgt Ion:252 Resp: 41268

Ion Ratio Lower Upper

252 100

254 62.2 53.5 80.3

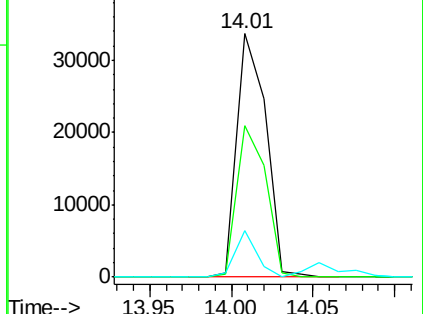
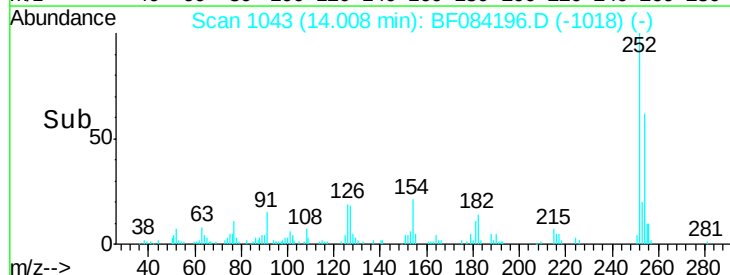
126 19.0 4.9 7.3#

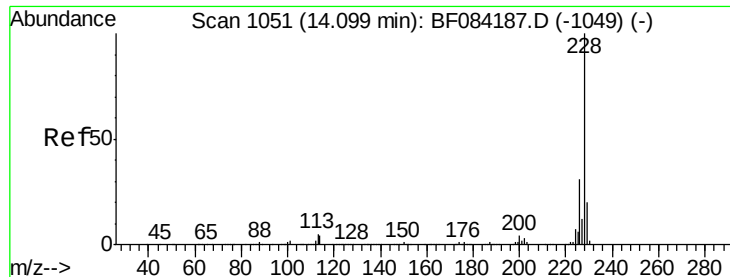


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 4.16 ng

RT: 14.09 min Scan# 1050

Delta R.T. -0.01 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

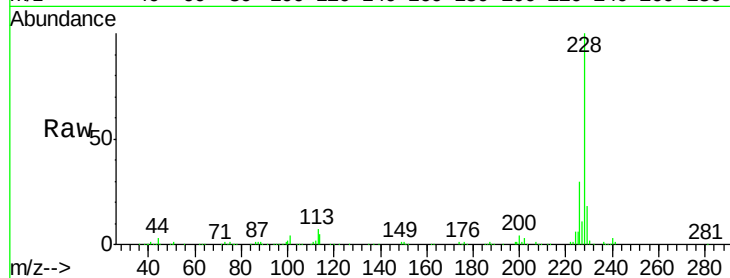
Tgt Ion:228 Resp: 201357

Ion Ratio Lower Upper

228 100

226 30.2 24.3 36.5

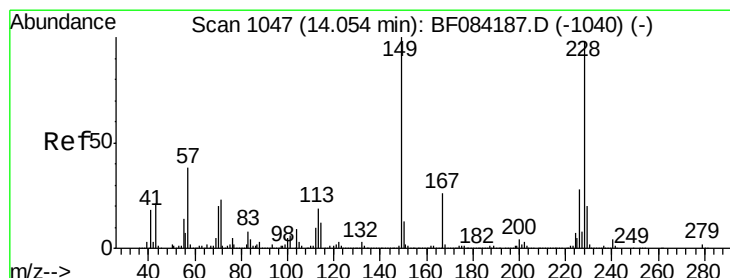
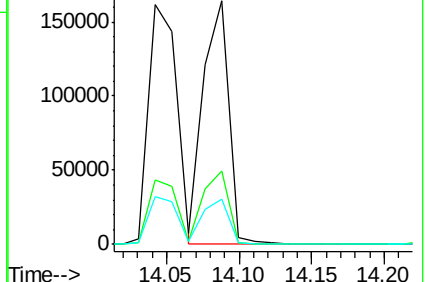
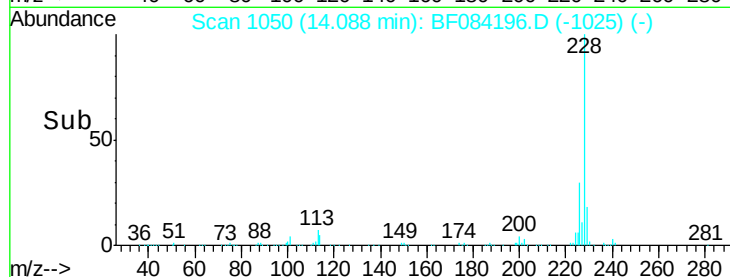
229 18.4 16.1 24.1



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: 4.25 ng

RT: 14.05 min Scan# 1047

Delta R.T. 0.00 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

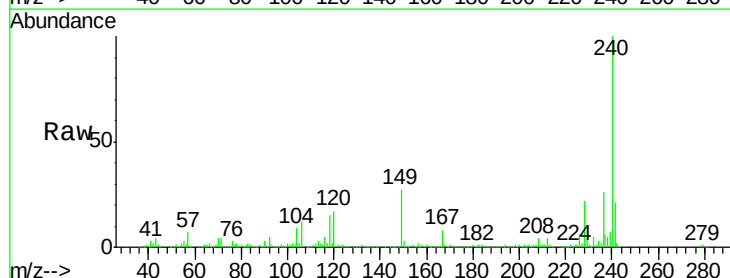
Tgt Ion:149 Resp: 156596

Ion Ratio Lower Upper

149 100

167 28.5 19.7 29.5

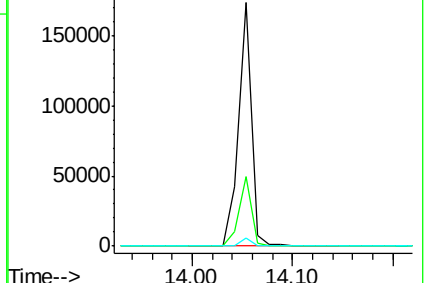
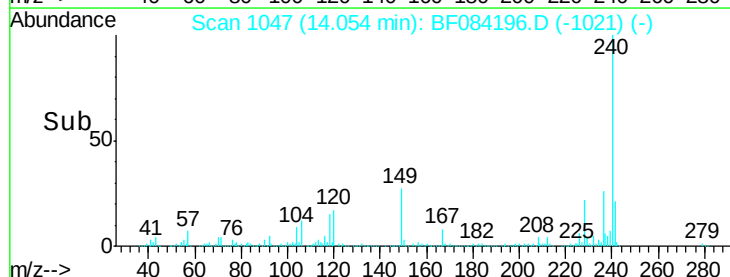
279 3.1 1.8 2.6#

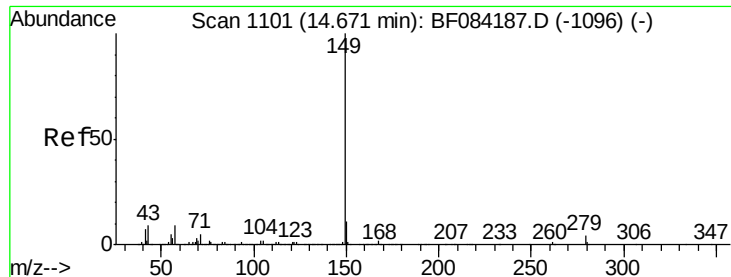


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 3.79 ng

RT: 14.66 min Scan# 1100

Delta R.T. -0.01 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

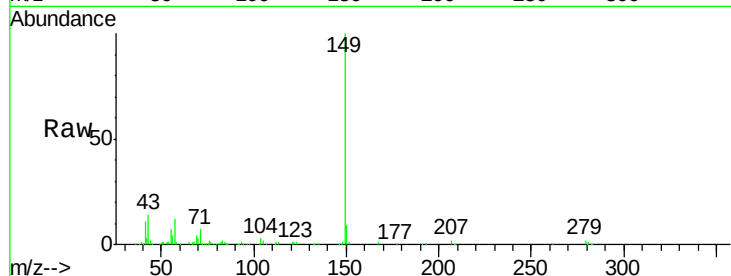
Tgt Ion:149 Resp: 235678

Ion Ratio Lower Upper

149 100

167 1.3 1.2 1.8

43 12.3 5.6 8.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

14.66

250000

200000

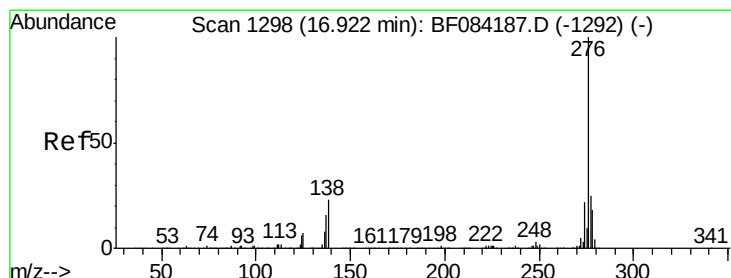
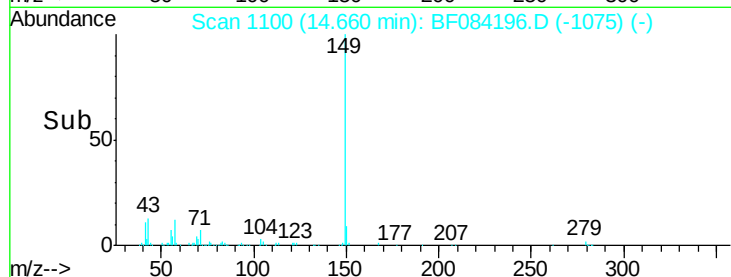
150000

100000

50000

0

Time--> 14.50 14.60 14.70



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.86 ng

RT: 16.91 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

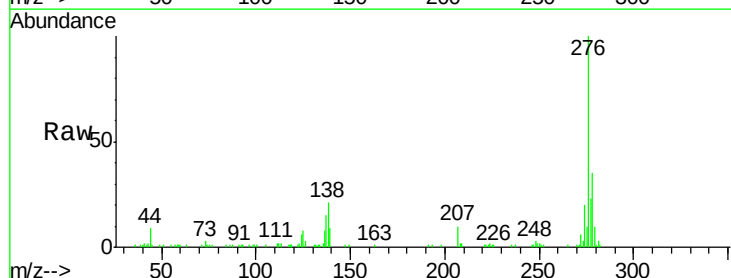
Tgt Ion:276 Resp: 148354

Ion Ratio Lower Upper

276 100

138 25.7 20.6 30.8

277 23.6 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

16.91

80000

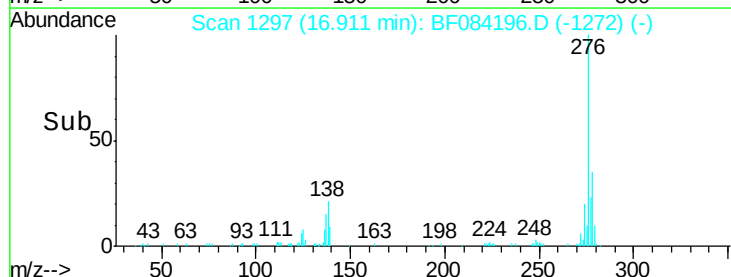
60000

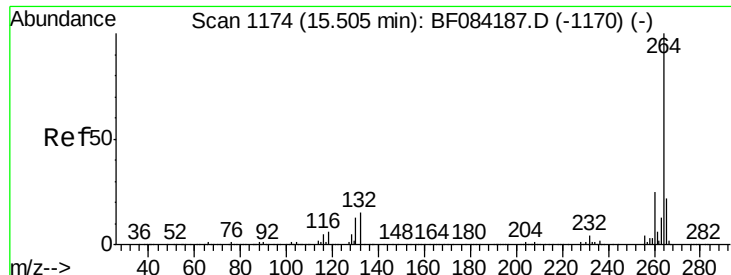
40000

20000

0

Time--> 16.80 16.90 17.00



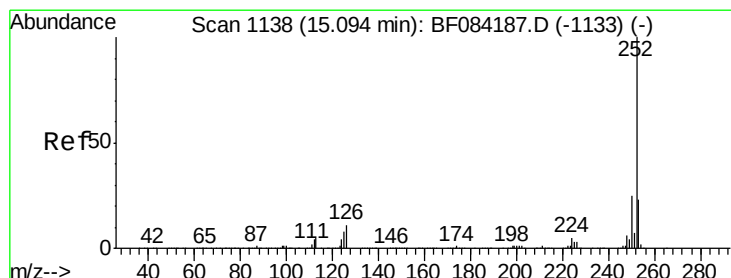
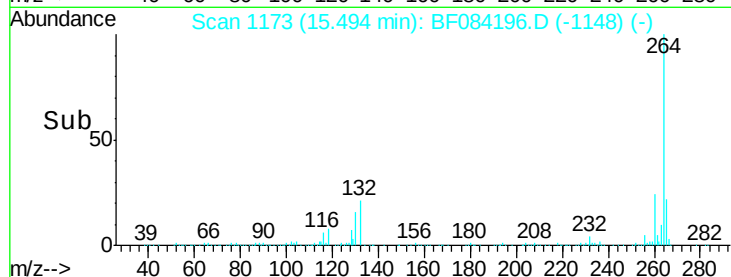
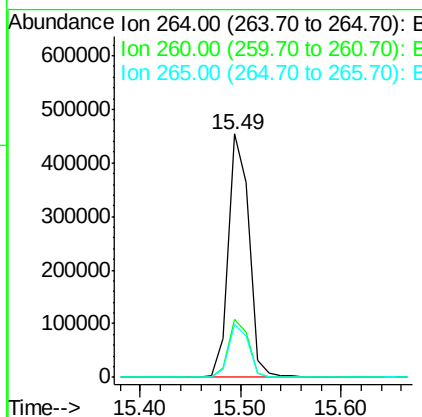
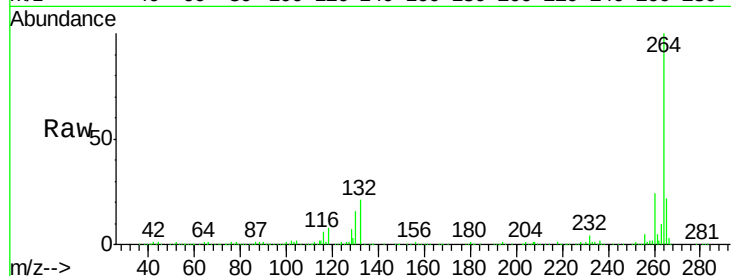


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 1173
Delta R.T. -0.01 min
Lab File: BF084196.D
Acq: 31 Dec 2015 15:52

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion: 264 Resp: 646676

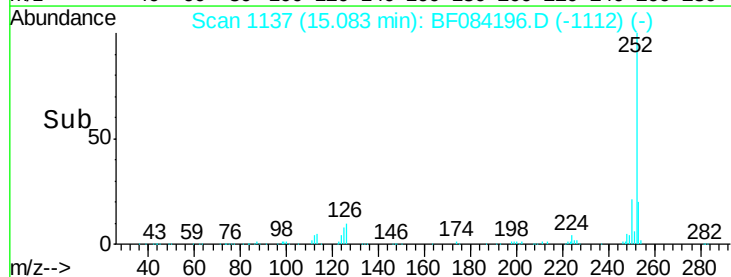
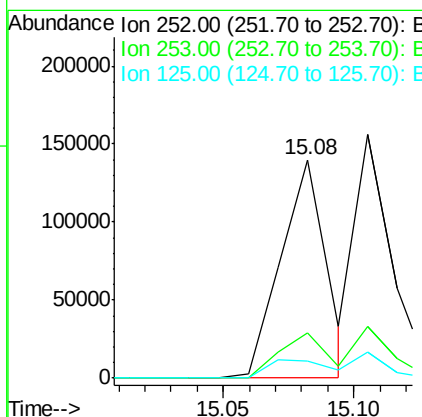
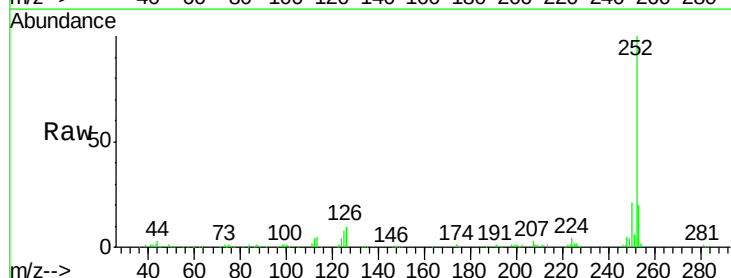
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.4	29.2
265	21.9	17.8	26.6

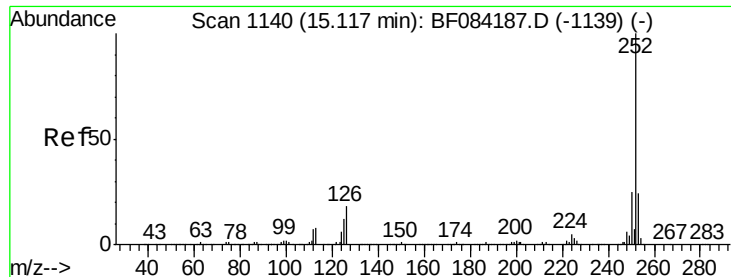


#87
Benzo(b)fluoranthene
Concen: 3.99 ng
RT: 15.08 min Scan# 1137
Delta R.T. -0.01 min
Lab File: BF084196.D
Acq: 31 Dec 2015 15:52

Tgt Ion: 252 Resp: 168705

Ion	Ratio	Lower	Upper
252	100		
253	20.5	17.3	25.9
125	7.6	6.5	9.7





#88

Benzo(k)fluoranthene

Concen: 4.88 ng

RT: 15.08 min Scan# 1137

Delta R.T. -0.03 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

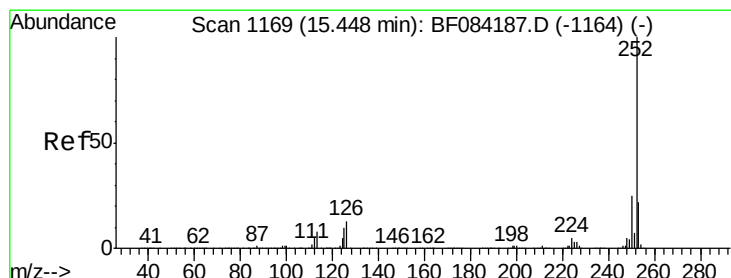
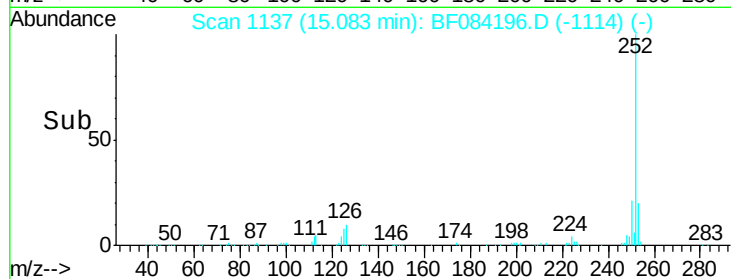
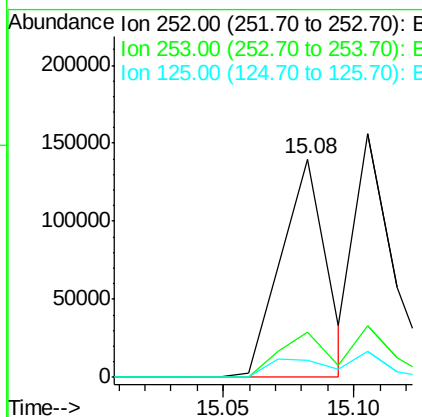
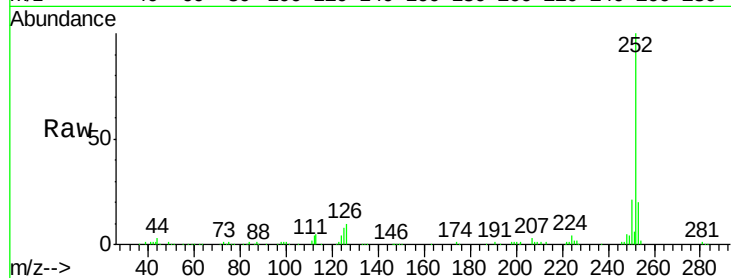
Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

Tgt Ion:	252	Resp:	168705
Ion Ratio		Lower	Upper
252	100		
253	20.5	18.1	27.1
125	7.6	9.0	13.6#



#89

Benzo(a)pyrene

Concen: 4.05 ng

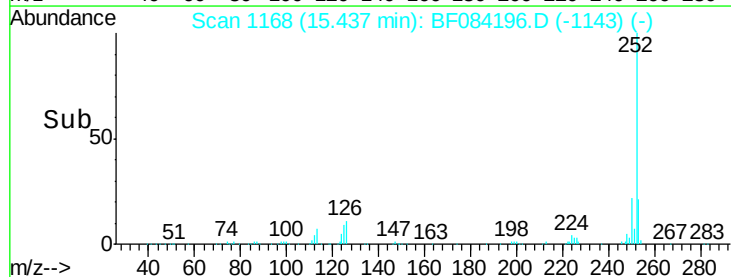
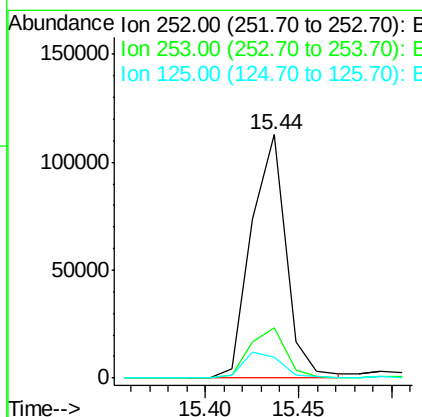
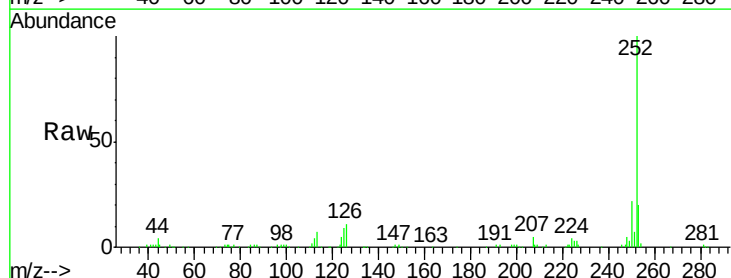
RT: 15.44 min Scan# 1168

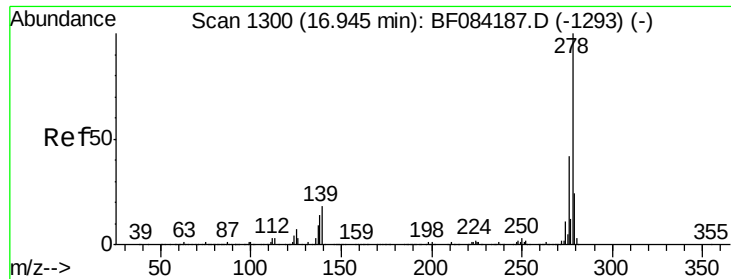
Delta R.T. -0.01 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

Tgt Ion:	252	Resp:	145343
Ion Ratio		Lower	Upper
252	100		
253	20.5	17.3	25.9
125	8.7	7.0	10.4





#90

Dibenzo(a,h)anthracene

Concen: 3.97 ng

RT: 16.93 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

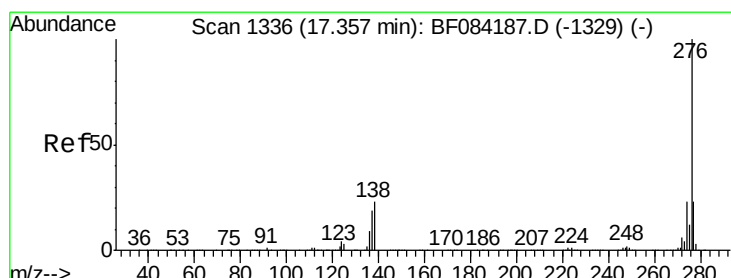
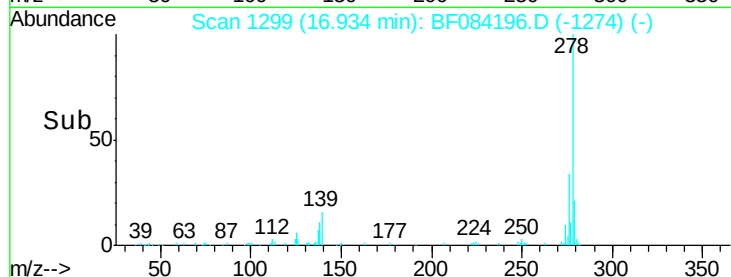
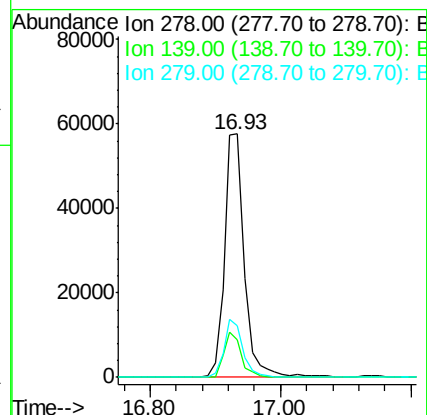
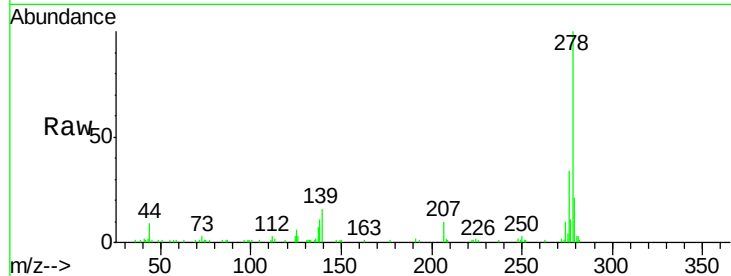
Tgt Ion:278 Resp: 122538

Ion Ratio Lower Upper

278 100

139 15.5 15.0 22.4

279 21.3 18.9 28.3



#91

Benzo(g,h,i)perylene

Concen: 3.81 ng

RT: 17.33 min Scan# 1334

Delta R.T. -0.02 min

Lab File: BF084196.D

Acq: 31 Dec 2015 15:52

Tgt Ion:276 Resp: 121863

Ion Ratio Lower Upper

276 100

277 22.1 18.8 28.2

138 19.1 17.8 26.6

