

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF123115\
 Data File : BF084197.D
 Acq On : 31 Dec 2015 16:20
 Operator : UM/SJ
 Sample : G4825-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Quant Time: Jan 01 23:17:46 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	302244	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	1232407	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	559196	20.00	ng	-0.01
63) Phenanthrene-d10	11.42	188	1096818	20.00	ng	0.00
75) Chrysene-d12	14.05	240	816382	20.00	ng	-0.01
86) Perylene-d12	15.49	264	601917	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1761656	94.28	ng	0.01
7) Phenol-d6	6.52	99	2211004	94.21	ng	-0.01
23) Nitrobenzene-d5	7.46	82	1346417	60.80	ng	-0.01
41) 2,4,6-Tribromophenol	10.73	330	561010	99.37	ng	-0.01
44) 2-Fluorobiphenyl	9.26	172	2334611	72.51	ng	0.00
78) Terphenyl-d14	13.01	244	2257673	61.73	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	2.59	88	42070	4.75	ng	# 74
3) Pyridine	3.38	79	104806	4.25	ng	# 72
4) n-Nitrosodimethylamine	3.26	42	64896	5.12	ng	# 74
6) Aniline	6.56	93	144440	4.21	ng	# 82
8) 2-Chlorophenol	6.68	128	132993	6.27	ng	95
9) Benzaldehyde	6.44	77	105338	6.89	ng	95
10) Phenol	6.53	94	124029	4.65	ng	# 74
11) bis(2-Chloroethyl)ether	6.64	93	116904	5.66	ng	90
12) 1,3-Dichlorobenzene	6.84	146	126892	5.80	ng	99
13) 1,4-Dichlorobenzene	6.84	146	126892	5.79	ng	93
14) 1,2-Dichlorobenzene	7.07	146	128094	6.10	ng	98
15) Benzyl Alcohol	7.04	79	131609	6.67	ng	92
16) 2,2'-oxybis(1-Chloropropan	7.18	45	212371	5.64	ng	85
17) 2-Methylphenol	7.15	107	101692	5.72	ng	97
18) Hexachloroethane	7.41	117	47034	5.36	ng	93
19) n-Nitroso-di-n-propylamine	7.31	70	88595	5.58	ng	# 75
20) 3+4-Methylphenols	7.30	107	127098	6.09	ng	# 77
22) Acetophenone	7.31	105	176082	5.94	ng	# 91
24) Nitrobenzene	7.48	77	129084	5.75	ng	91
25) Isophorone	7.72	82	240730	5.68	ng	96
26) 2-Nitrophenol	7.80	139	48675	4.76	ng	94
27) 2,4-Dimethylphenol	7.84	122	119139	5.76	ng	93
28) bis(2-Chloroethoxy)methane	7.94	93	142559	5.51	ng	98
29) 2,4-Dichlorophenol	8.04	162	93848	5.45	ng	91
30) 1,2,4-Trichlorobenzene	8.12	180	102397	5.76	ng	94
31) Naphthalene	8.20	128	329491	5.89	ng	100
32) Benzoic acid	7.88	122	26560	7.98	ng	90
33) 4-Chloroaniline	8.25	127	119391	4.66	ng	# 94
34) Hexachlorobutadiene	8.33	225	56030	5.48	ng	98
35) Caprolactam	8.58	113	30921	5.32	ng	# 44
36) 4-Chloro-3-methylphenol	8.73	107	120268	6.23	ng	97
37) 2-Methylnaphthalene	8.90	142	242916	6.05	ng	99
39) 1,2,4,5-Tetrachlorobenzene	9.06	216	97537	6.07	ng	98
40) Hexachlorocyclopentadiene	9.06	237	50088	5.16	ng	95

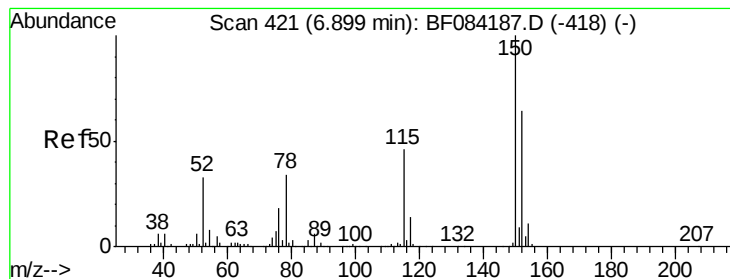
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF123115\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.17	196	71925	5.98	ng	95
43) 2,4,5-Trichlorophenol	9.21	196	63937	5.55	ng #	87
45) 1,1'-Biphenyl	9.37	154	289777	6.52	ng	92
46) 2-Chloronaphthalene	9.39	162	212990	6.10	ng #	88
47) 2-Nitroaniline	9.47	65	57475	4.99	ng #	80
48) Acenaphthylene	9.80	152	350223	6.79	ng	99
49) Dimethylphthalate	9.65	163	238250	5.96	ng #	89
50) 2,6-Dinitrotoluene	9.72	165	49617	5.66	ng	97
51) Acenaphthene	9.97	154	222880	6.44	ng	99
52) 3-Nitroaniline	9.88	138	57476	5.29	ng	98
53) 2,4-Dinitrophenol	9.98	184	4913	4.81	ng #	1
54) Dibenzofuran	10.14	168	328906	4.68	ng	99
55) 4-Nitrophenol	10.03	139	35896	4.55	ng #	66
56) 2,4-Dinitrotoluene	10.12	165	59716	5.38	ng #	70
57) Fluorene	10.49	166	248375	5.05	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.26	232	59216	6.02	ng #	89
59) Diethylphthalate	10.36	149	270381	6.86	ng	99
60) 4-Chlorophenyl-phenylether	10.49	204	108040	Below	Cal #	86
61) 4-Nitroaniline	10.49	138	51525	5.32	ng	94
62) Azobenzene	10.64	77	240767	5.57	ng	82
64) 4,6-Dinitro-2-methylphenol	10.52	198	15590	8.12	ng #	82
65) n-Nitrosodiphenylamine	10.60	169	199164	5.68	ng	97
66) 4-Bromophenyl-phenylether	10.97	248	63819	5.41	ng #	72
67) Hexachlorobenzene	11.04	284	76282	5.74	ng #	88
68) Atrazine	11.12	200	64825	5.65	ng	94
69) Pentachlorophenol	11.23	266	19678	2.86	ng	99
70) Phenanthrene	11.45	178	396438	6.91	ng	99
71) Anthracene	11.49	178	363158	6.46	ng	98
72) Carbazole	11.65	167	330408	6.01	ng	97
73) Di-n-butylphthalate	12.00	149	375038	2.49	ng	99
74) Fluoranthene	12.64	202	361879	6.04	ng	93
76) Benzidine	12.75	184	94657	3.23	ng	97
77) Pyrene	12.87	202	378003	5.90	ng	98
79) Butylbenzylphthalate	13.48	149	145506	5.25	ng #	76
80) Benzo(a)anthracene	14.04	228	285719	5.96	ng	99
81) 3,3'-Dichlorobenzidine	14.01	252	53292	3.19	ng #	92
82) Chrysene	14.09	228	268834	5.84	ng	97
83) Bis(2-ethylhexyl)phthalate	14.05	149	213356	6.09	ng #	97
84) Di-n-octyl phthalate	14.66	149	305765	5.17	ng #	86
85) Indeno(1,2,3-cd)pyrene	16.91	276	193674	5.30	ng	98
87) Benzo(b)fluoranthene	15.08	252	226230	5.75	ng	99
88) Benzo(k)fluoranthene	15.08	252	226230	7.03	ng #	95
89) Benzo(a)pyrene	15.44	252	190109	5.69	ng	100
90) Dibenzo(a,h)anthracene	16.93	278	161324	5.61	ng	96
91) Benzo(g,h,i)perylene	17.33	276	164243	5.52	ng	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 421

Delta R.T. 0.00 min

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LOD-SOIL2016-01

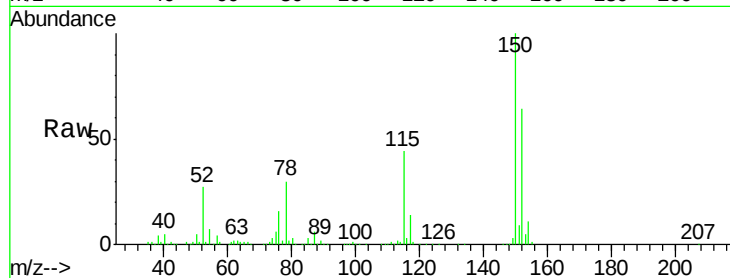
Tgt Ion:152 Resp: 302244

Ion Ratio Lower Upper

152 100

150 155.7 123.0 184.4

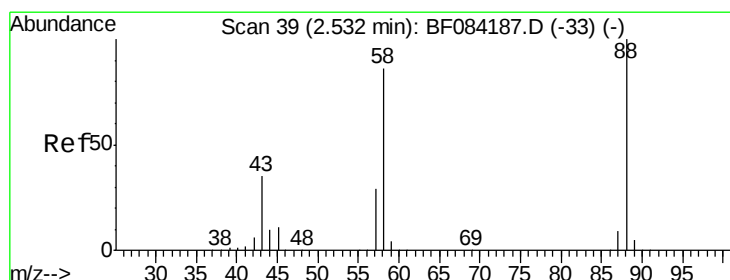
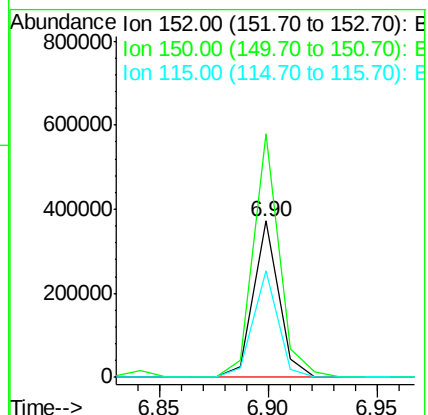
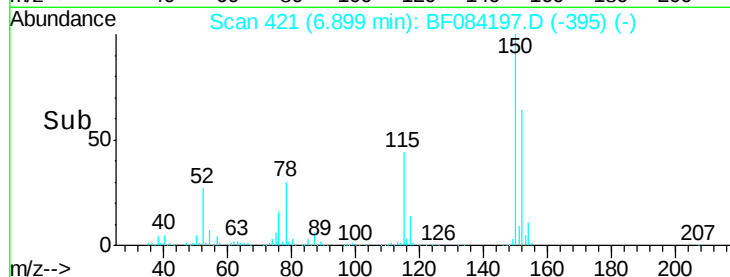
115 68.2 51.4 77.2



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



#2

1,4-Dioxane

Concen: 4.75 ng

RT: 2.59 min Scan# 44

Delta R.T. 0.06 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

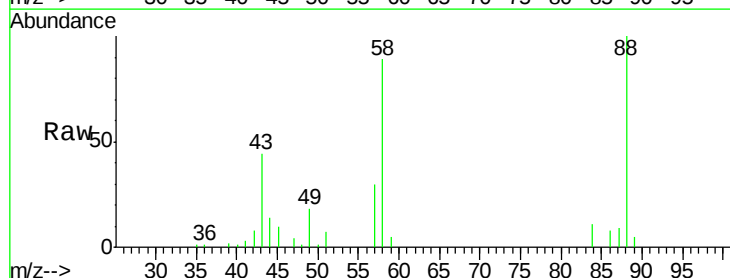
Tgt Ion: 88 Resp: 42070

Ion Ratio Lower Upper

88 100

58 83.6 51.2 76.8#

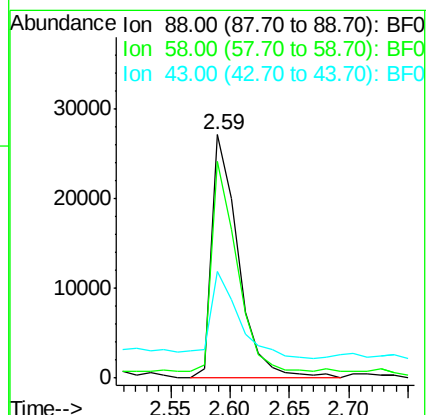
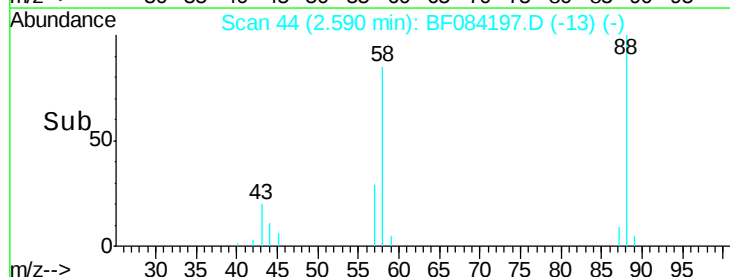
43 39.3 19.5 29.3#

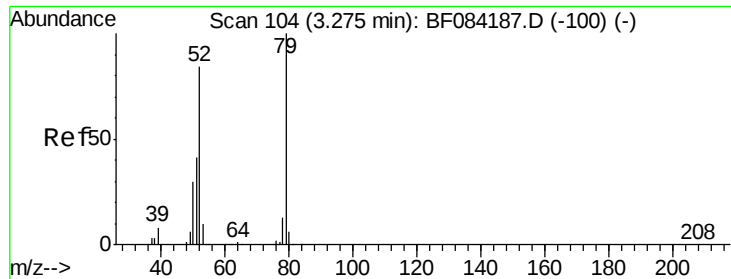


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 4.25 ng

RT: 3.38 min Scan# 113

Delta R.T. 0.10 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

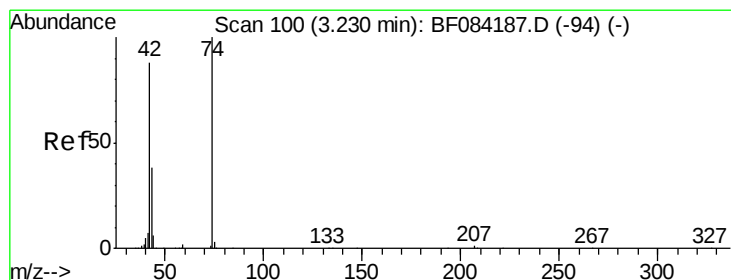
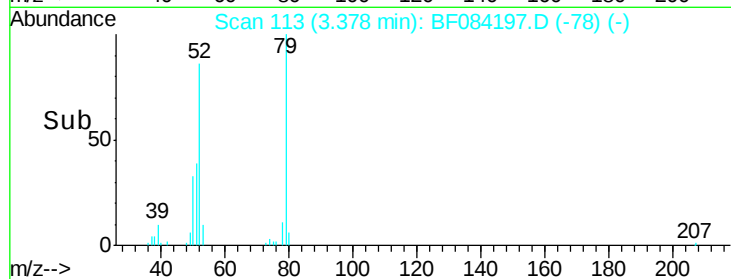
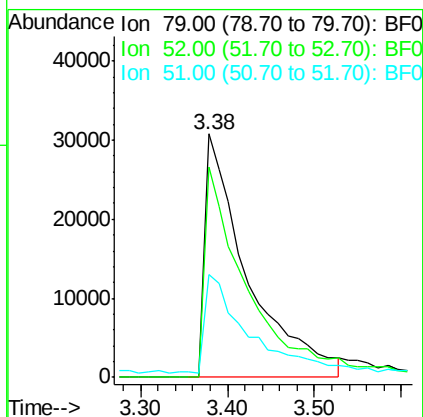
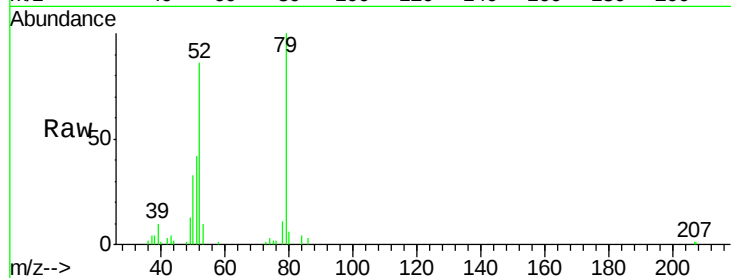
Tgt Ion: 79 Resp: 104806

Ion Ratio Lower Upper

79 100

52 86.2 49.0 73.4#

51 42.4 25.2 37.8#



#4

n-Nitrosodimethylamine

Concen: 5.12 ng

RT: 3.26 min Scan# 103

Delta R.T. 0.03 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

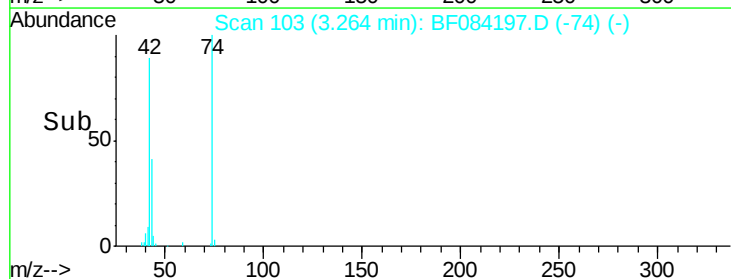
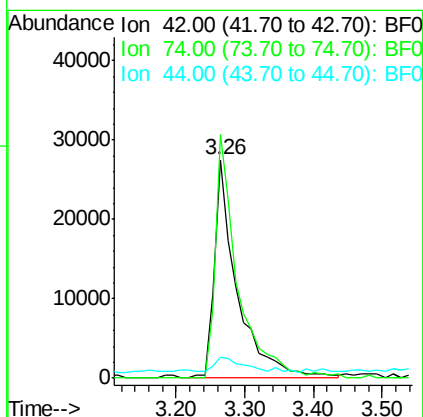
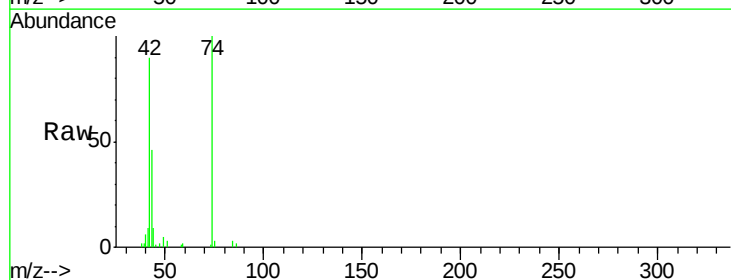
Tgt Ion: 42 Resp: 64896

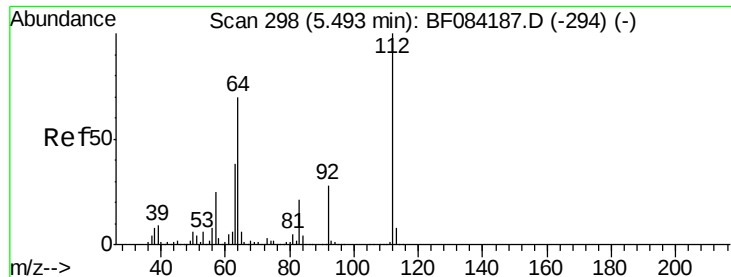
Ion Ratio Lower Upper

42 100

74 111.4 115.7 173.5#

44 9.8 5.1 7.7#





#5

2-Fluorophenol

Concen: 94.28 ng

RT: 5.50 min Scan# 299

Delta R.T. 0.01 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

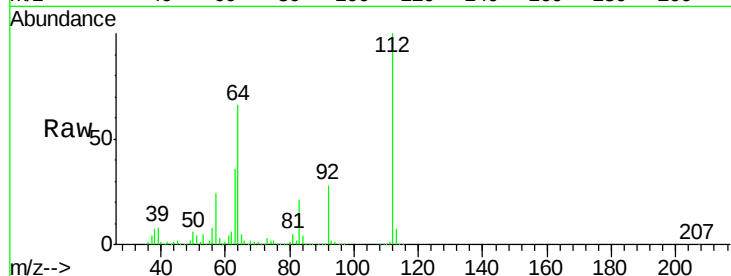
Tgt Ion:112 Resp: 1761656

Ion Ratio Lower Upper

112 100

64 65.6 36.6 55.0#

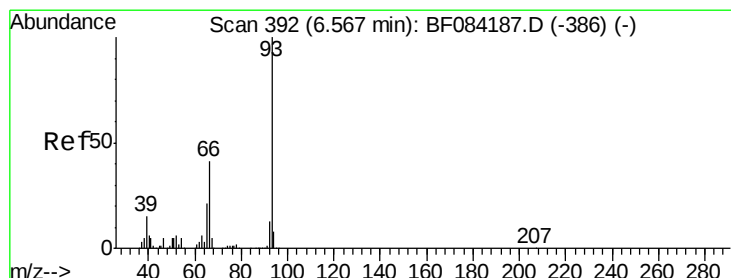
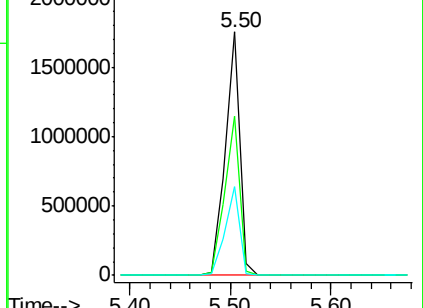
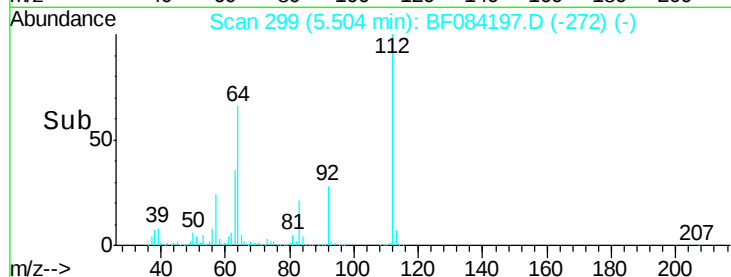
63 36.2 19.4 29.0#



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: 4.21 ng

RT: 6.56 min Scan# 391

Delta R.T. -0.01 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

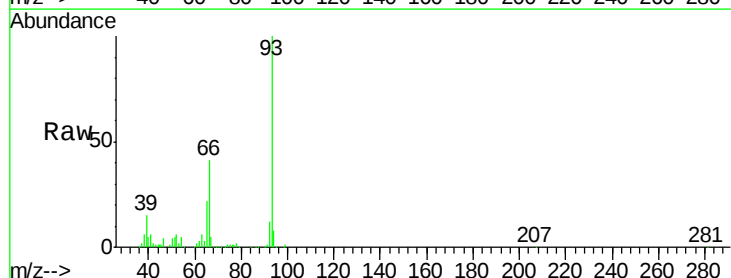
Tgt Ion: 93 Resp: 144440

Ion Ratio Lower Upper

93 100

66 41.3 44.9 67.3#

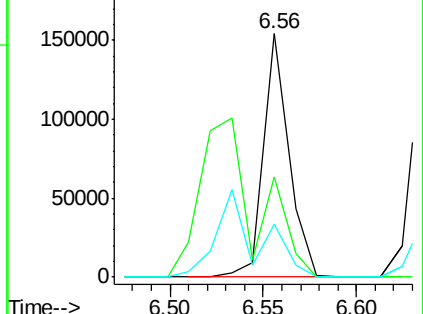
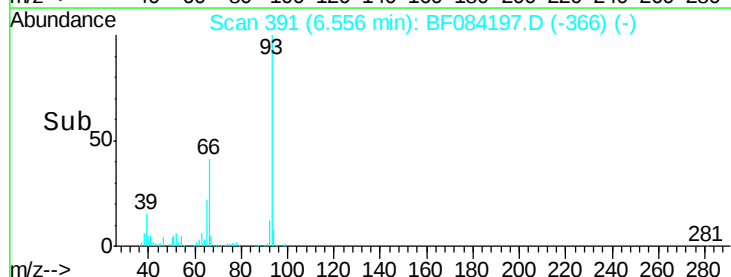
65 21.6 23.7 35.5#

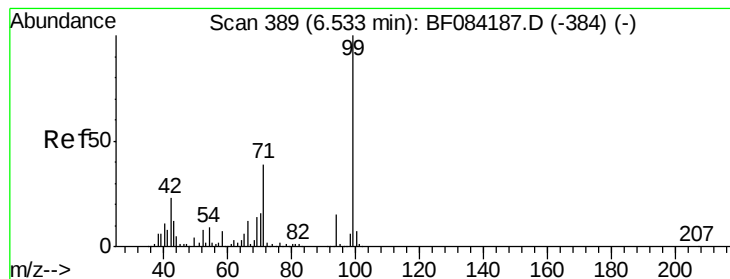


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 94.21 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.01 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

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LOD-SOIL2016-01

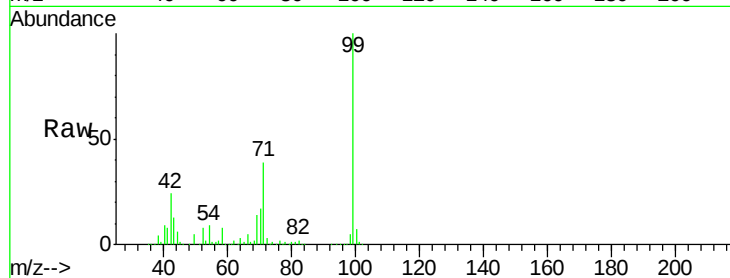
Tgt Ion: 99 Resp: 2211004

Ion Ratio Lower Upper

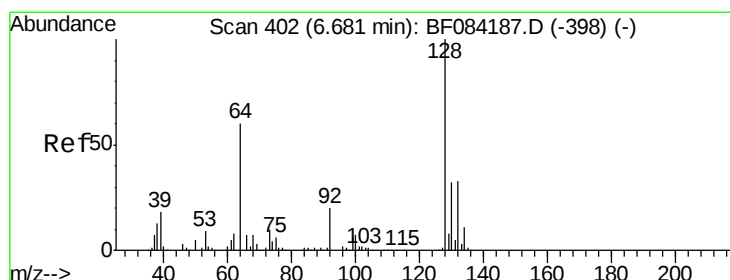
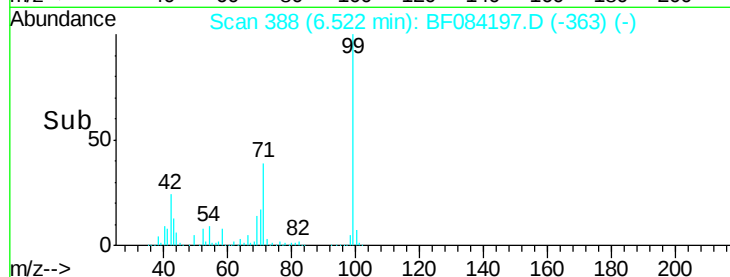
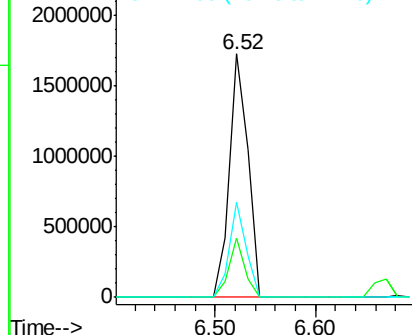
99 100

42 24.1 12.8 19.2#

71 39.0 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: 6.27 ng

RT: 6.68 min Scan# 402

Delta R.T. 0.00 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

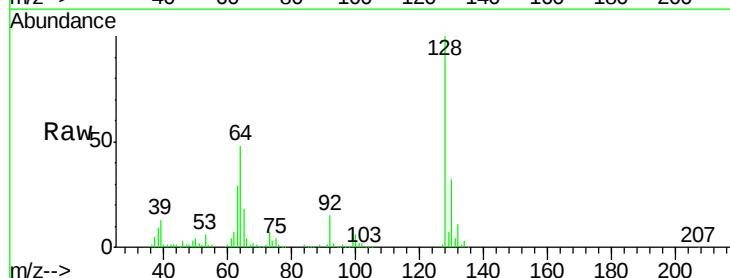
Tgt Ion: 128 Resp: 132993

Ion Ratio Lower Upper

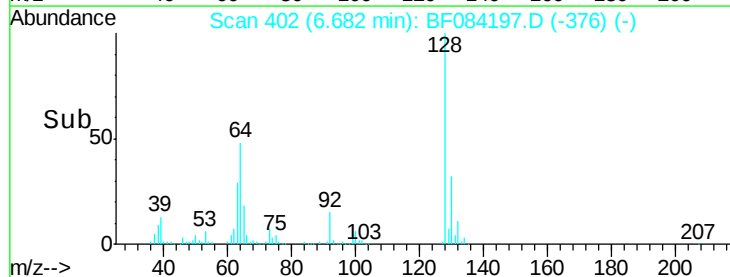
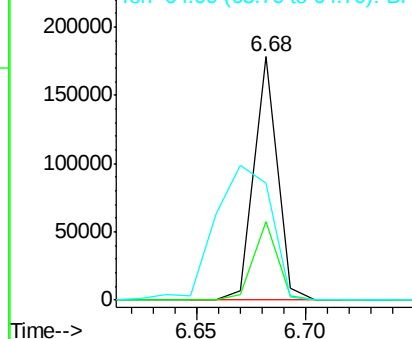
128 100

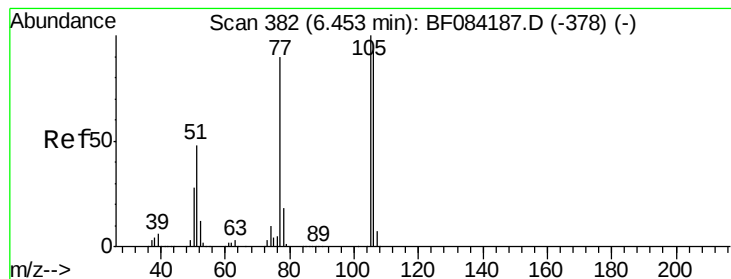
130 32.4 11.6 51.6

64 48.3 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: 6.89 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.01 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

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LOD-SOIL2016-01

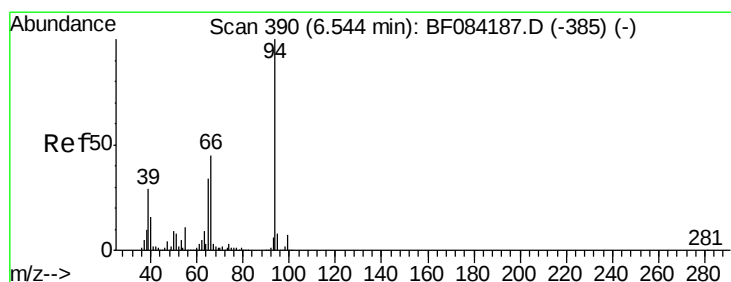
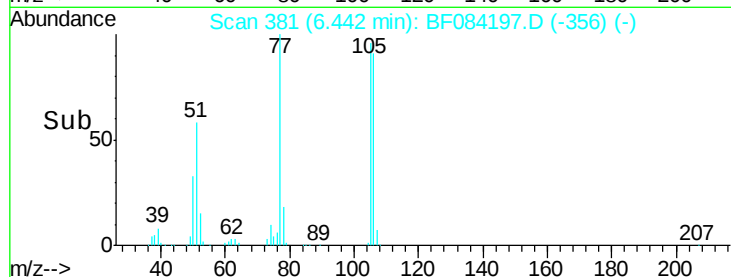
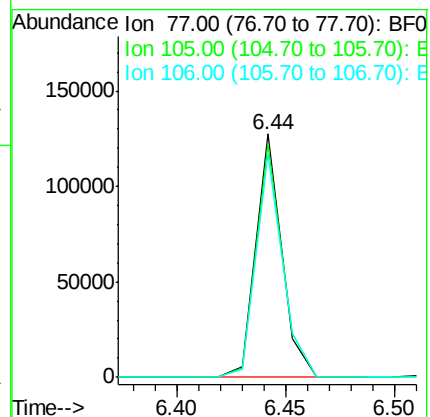
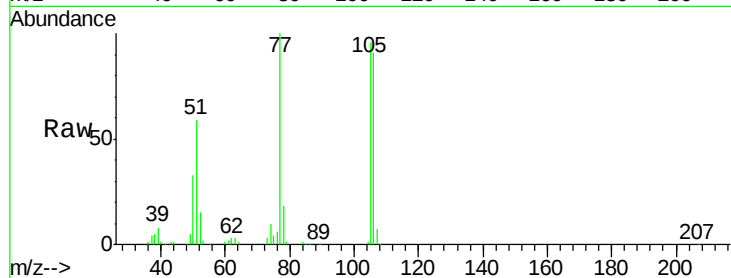
Tgt Ion: 77 Resp: 105338

Ion Ratio Lower Upper

77 100

105 96.1 83.0 123.0

106 91.5 74.6 114.6



#10

Phenol

Concen: 4.65 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.01 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

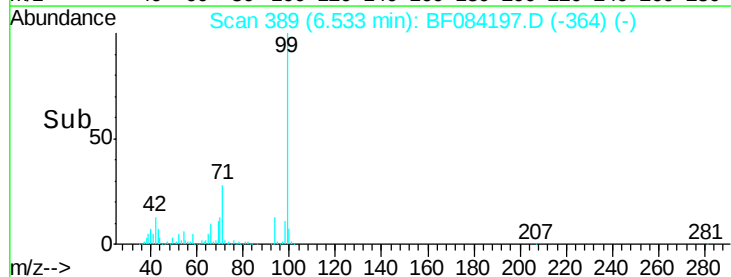
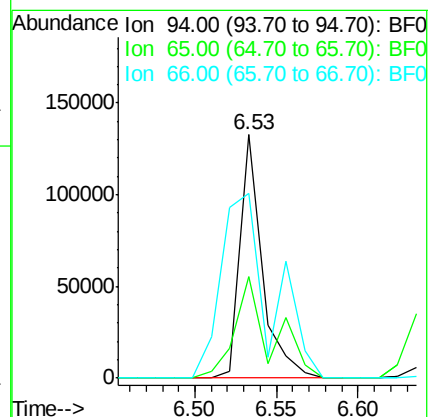
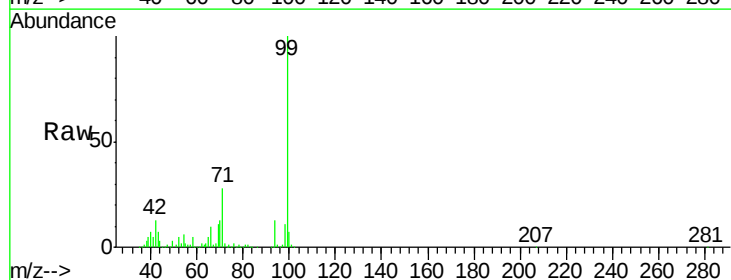
Tgt Ion: 94 Resp: 124029

Ion Ratio Lower Upper

94 100

65 41.6 12.9 52.9

66 75.9 32.7 72.7#





#11

bis(2-Chloroethyl)ether

Concen: 5.66 ng

RT: 6.64 min Scan# 398

Delta R.T. 0.00 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

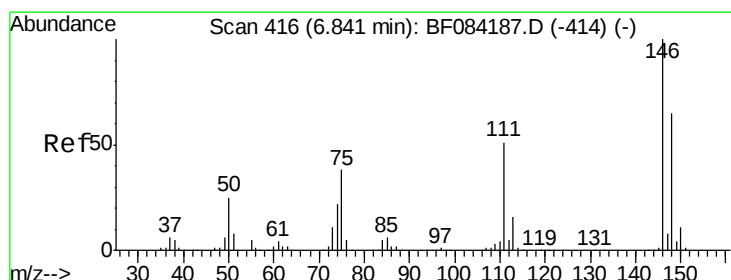
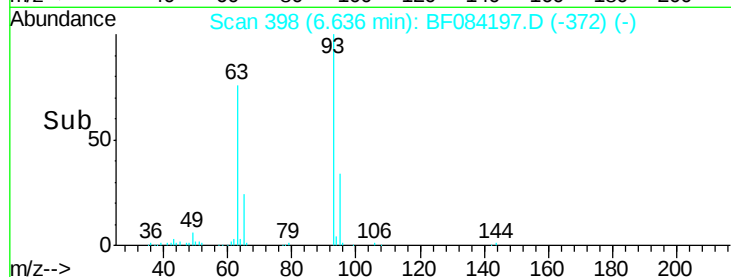
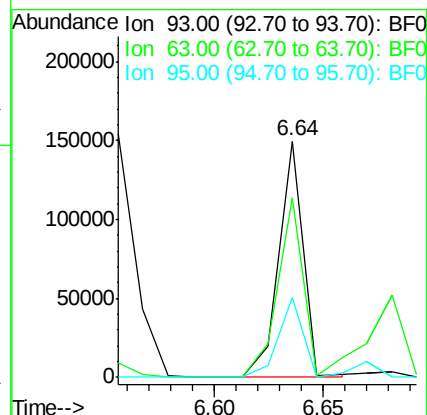
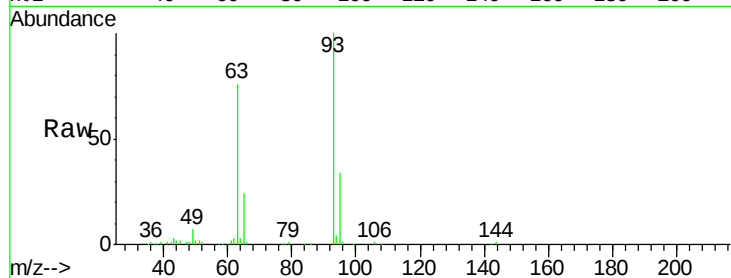
Tgt Ion: 93 Resp: 116904

Ion Ratio Lower Upper

93 100

63 76.3 45.9 85.9

95 33.7 12.3 52.3



#12

1,3-Dichlorobenzene

Concen: 5.80 ng

RT: 6.84 min Scan# 416

Delta R.T. 0.00 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

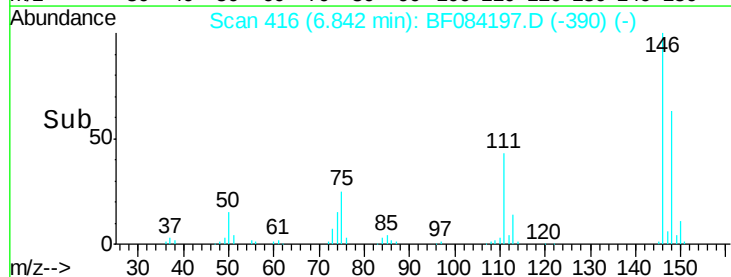
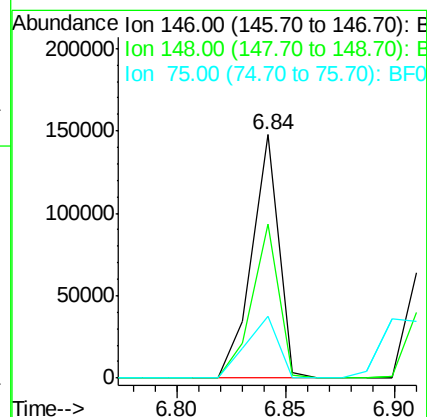
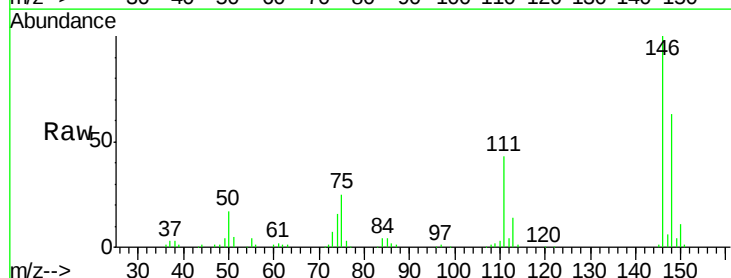
Tgt Ion: 146 Resp: 126892

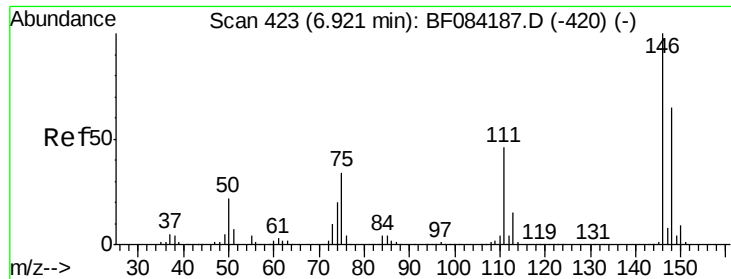
Ion Ratio Lower Upper

146 100

148 63.4 51.9 77.9

75 25.4 20.5 30.7

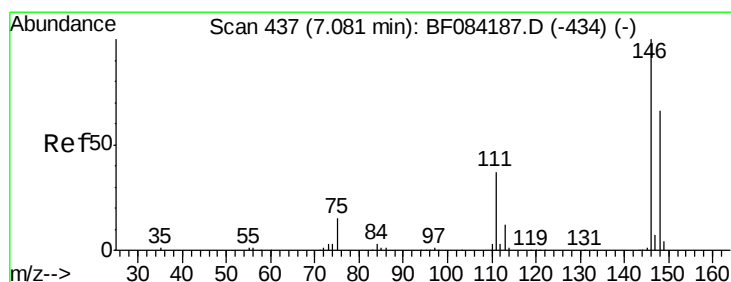
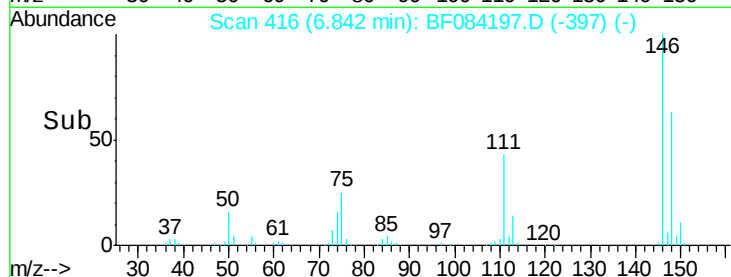
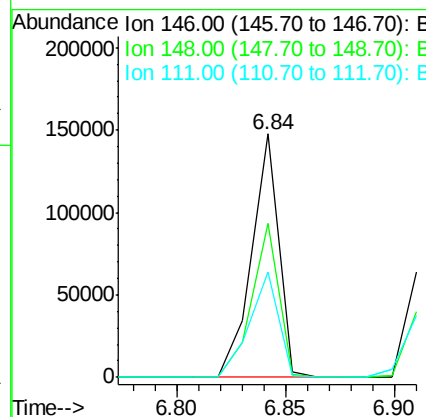
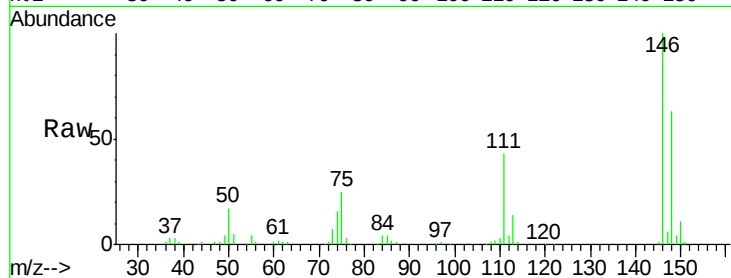




#13
1,4-Dichlorobenzene
Concen: 5.79 ng
RT: 6.84 min Scan# 416
Delta R.T. -0.08 min
Lab File: BF084197.D
Acq: 31 Dec 2015 16:20

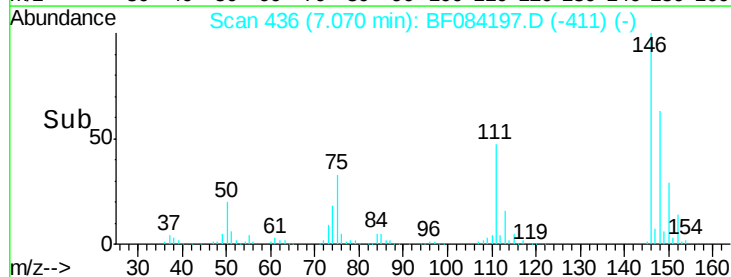
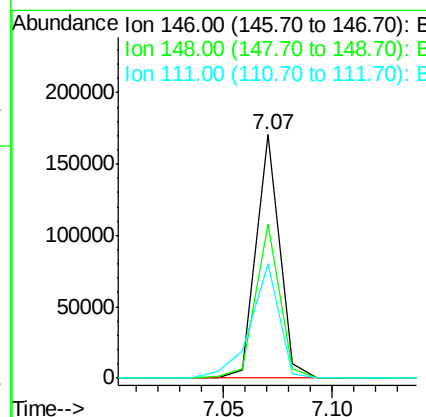
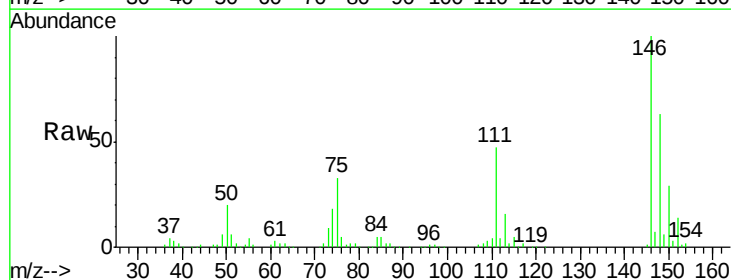
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

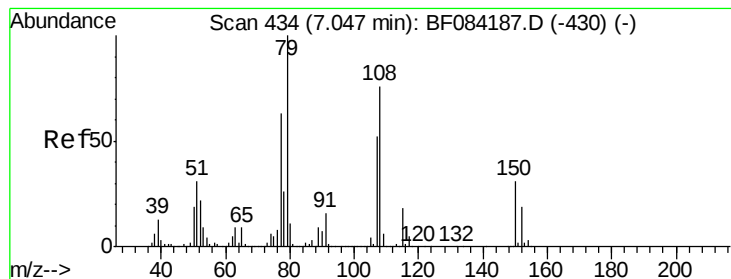
Tgt Ion:146 Resp: 126892
Ion Ratio Lower Upper
146 100
148 63.4 51.9 77.9
111 43.0 41.6 62.4



#14
1,2-Dichlorobenzene
Concen: 6.10 ng
RT: 7.07 min Scan# 436
Delta R.T. -0.01 min
Lab File: BF084197.D
Acq: 31 Dec 2015 16:20

Tgt Ion:146 Resp: 128094
Ion Ratio Lower Upper
146 100
148 63.1 51.6 77.4
111 46.8 38.0 57.0





#15

Benzyl Alcohol

Concen: 6.67 ng

RT: 7.04 min Scan# 433

Delta R.T. -0.01 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

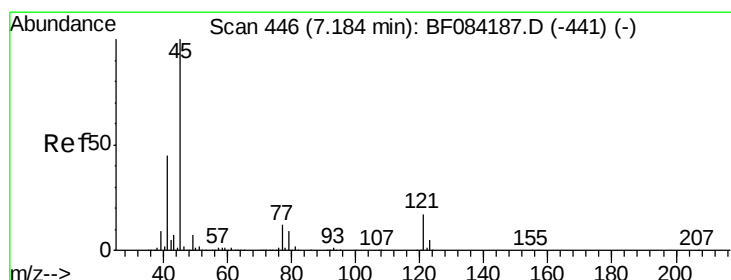
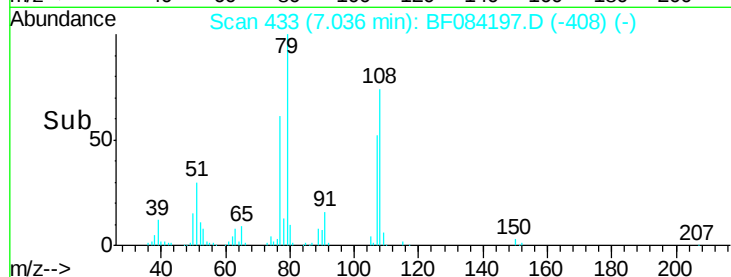
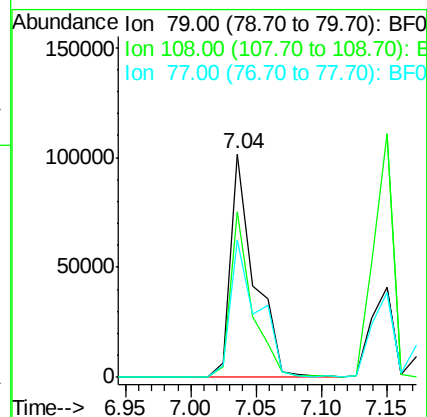
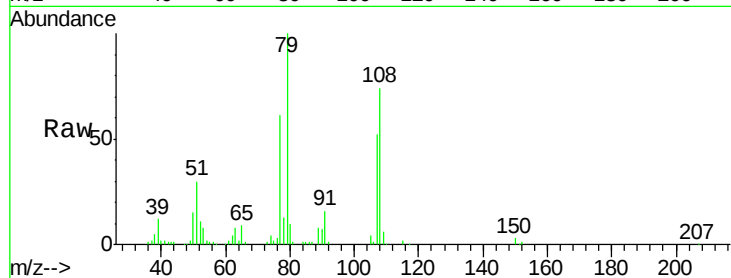
Tgt Ion: 79 Resp: 131609

Ion Ratio Lower Upper

79 100

108 74.3 69.0 103.4

77 61.3 50.0 75.0



#16

2,2'-oxybis(1-chloropropane)

Concen: 5.64 ng

RT: 7.18 min Scan# 446

Delta R.T. 0.00 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

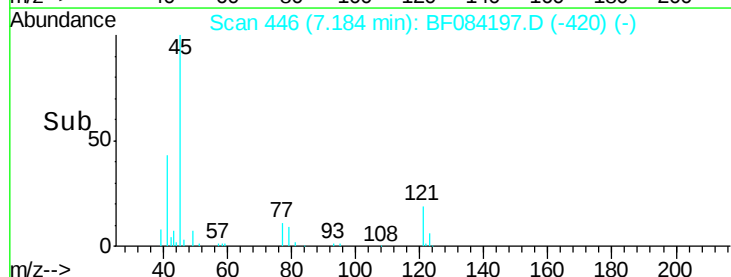
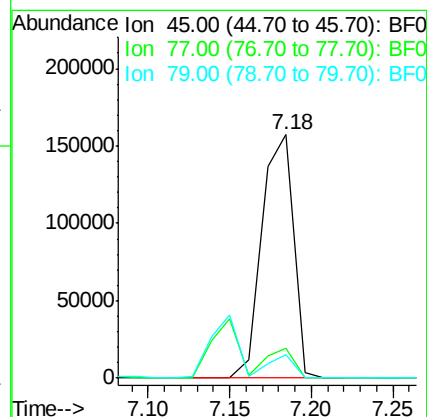
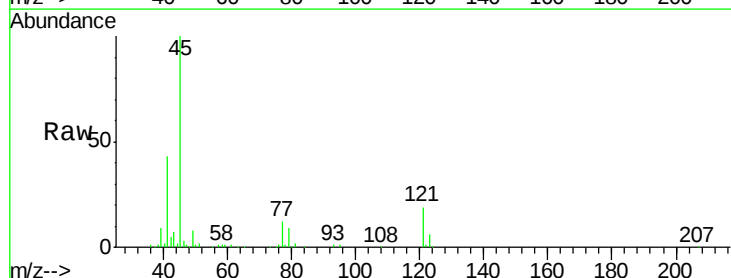
Tgt Ion: 45 Resp: 212371

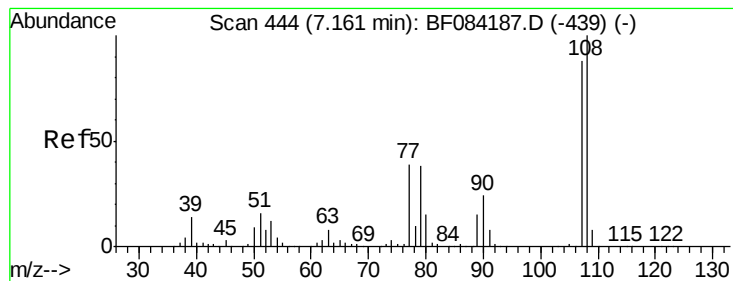
Ion Ratio Lower Upper

45 100

77 12.2 0.0 39.6

79 9.4 0.0 35.0





#17

2-Methylphenol

Concen: 5.72 ng

RT: 7.15 min Scan# 443

Delta R.T. -0.01 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

Tgt Ion:107 Resp: 101692

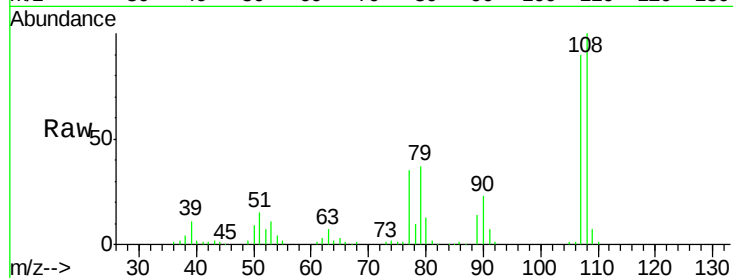
Ion Ratio Lower Upper

107 100

108 111.6 89.8 134.6

77 38.9 35.7 53.5

79 41.1 35.7 53.5

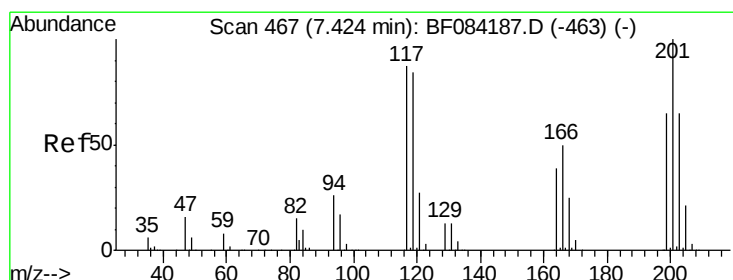
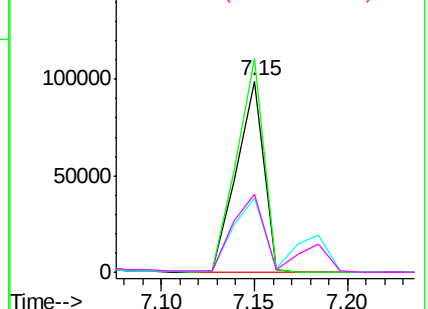
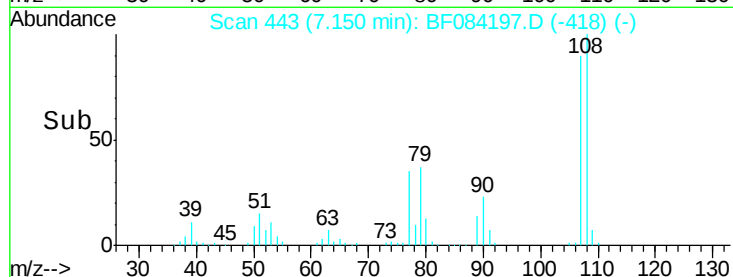


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 5.36 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.01 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

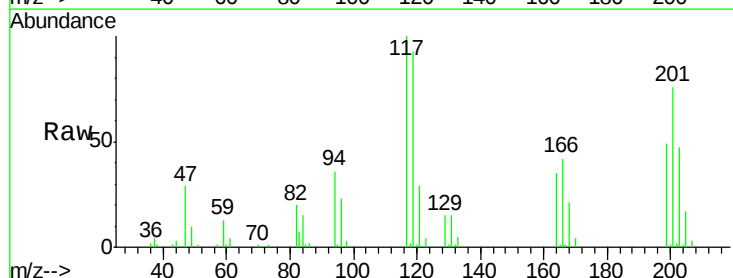
Tgt Ion:117 Resp: 47034

Ion Ratio Lower Upper

117 100

119 93.2 77.4 116.0

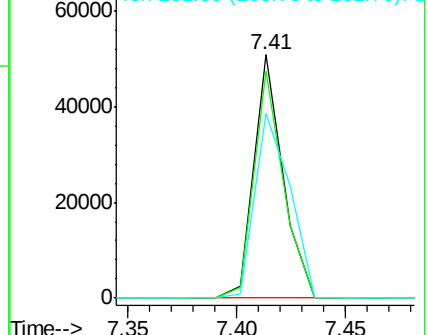
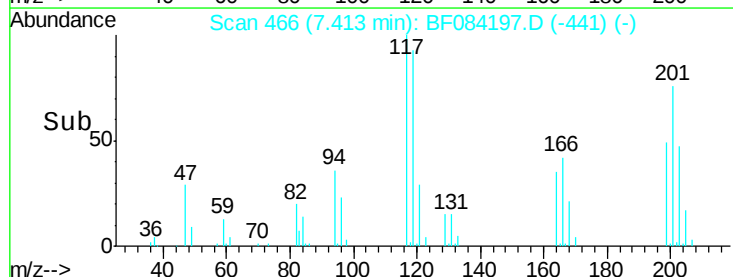
201 75.8 68.6 103.0

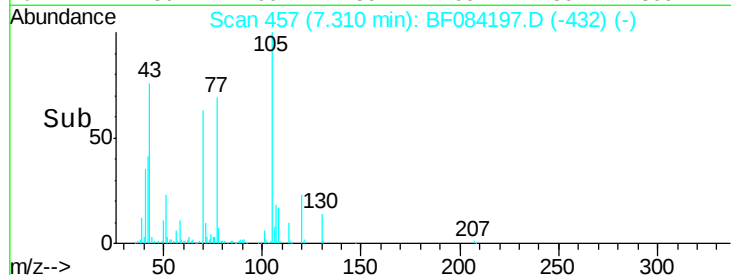
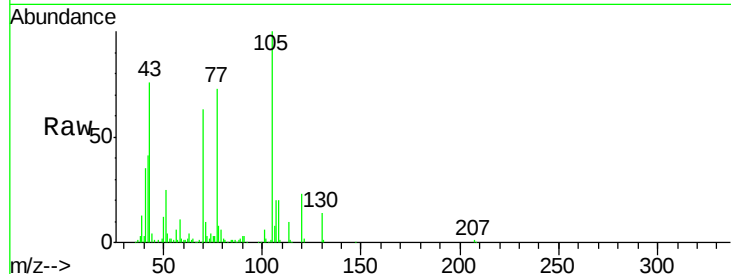
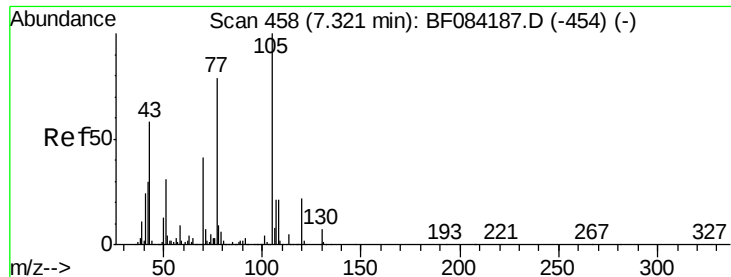


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

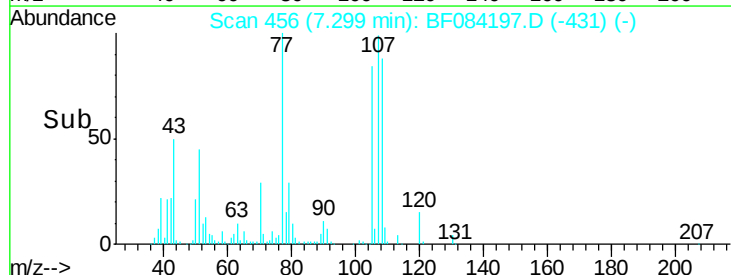
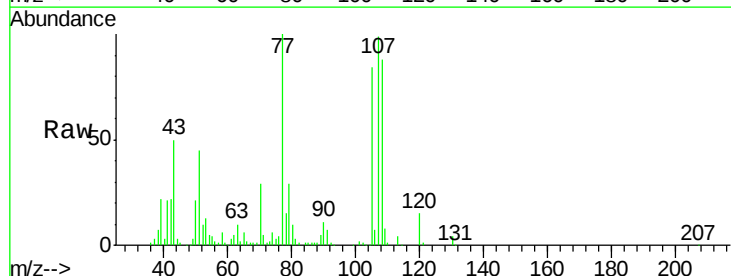
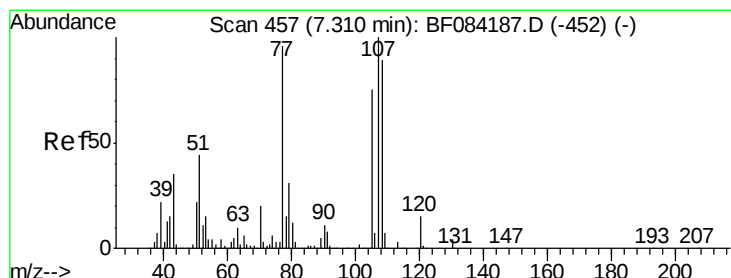
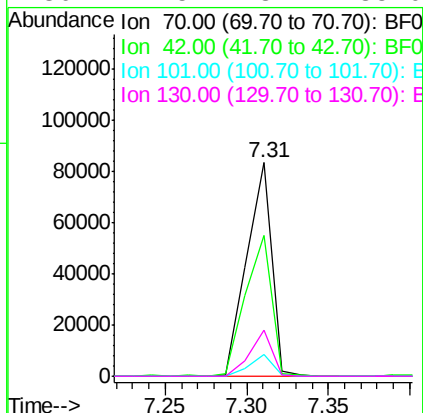




#19
n-Nitroso-di-n-propylamine
Concen: 5.58 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.01 min
Lab File: BF084197.D
Acq: 31 Dec 2015 16:20

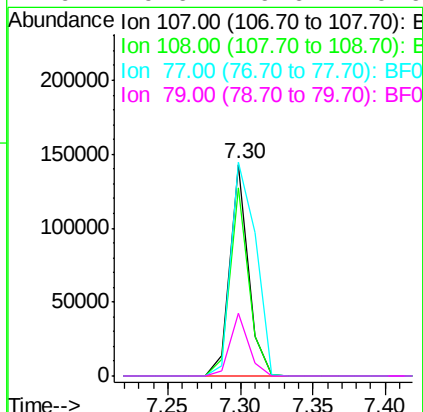
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

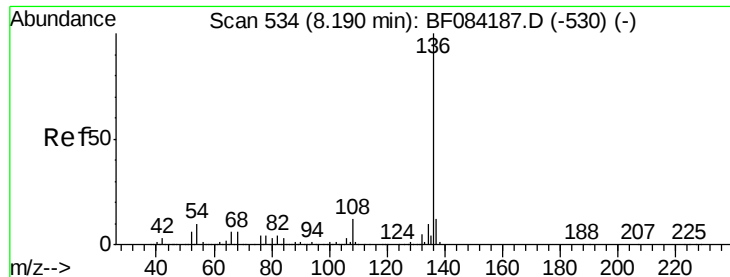
Tgt Ion:	70	Resp:	88595
Ion	Ratio	Lower	Upper
70	100		
42	65.7	33.3	49.9#
101	10.2	9.3	13.9
130	21.5	23.4	35.0#



#20
3+4-Methylphenols
Concen: 6.09 ng
RT: 7.30 min Scan# 456
Delta R.T. -0.01 min
Lab File: BF084197.D
Acq: 31 Dec 2015 16:20

Tgt Ion:	107	Resp:	127098
Ion	Ratio	Lower	Upper
107	100		
108	88.7	64.1	104.1
77	100.9	128.9	168.9#
79	29.6	9.6	49.6





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.19 min Scan# 534

Delta R.T. 0.00 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

Tgt Ion:136 Resp: 1232407

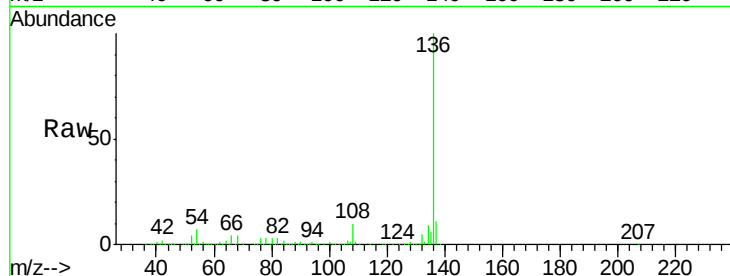
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 6.9 5.8 8.8

68 4.1 4.2 6.2#

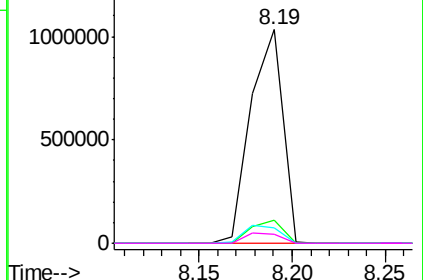
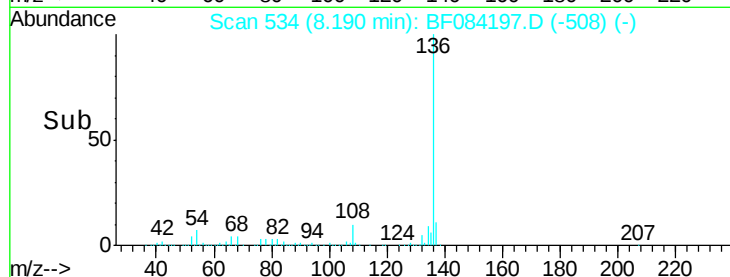


Abundance Ion 136.00 (135.70 to 136.70): E

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: 5.94 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.01 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

Tgt Ion:105 Resp: 176082

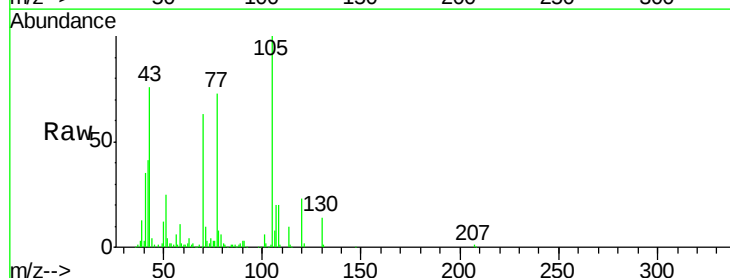
Ion Ratio Lower Upper

105 100

71 10.1 3.7 5.5#

51 25.4 25.1 37.7

120 22.8 16.6 25.0

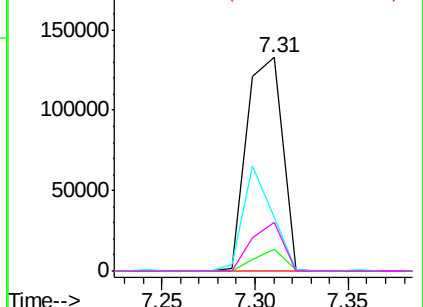
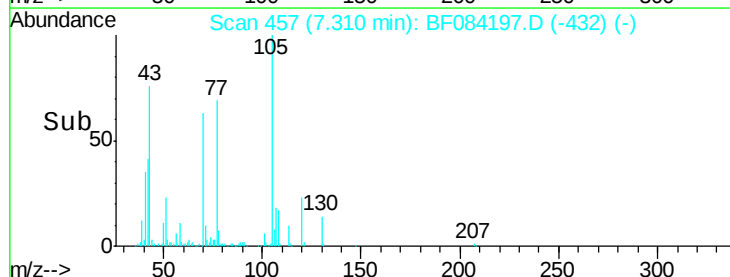


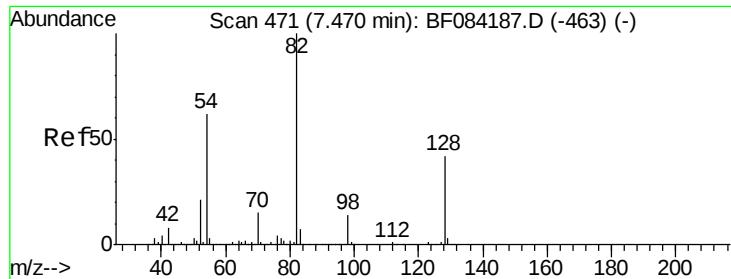
Abundance Ion 105.00 (104.70 to 105.70): E

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

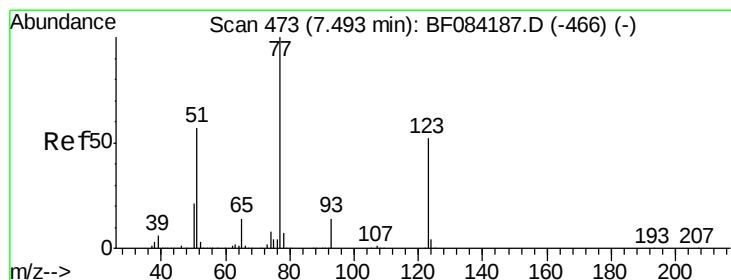
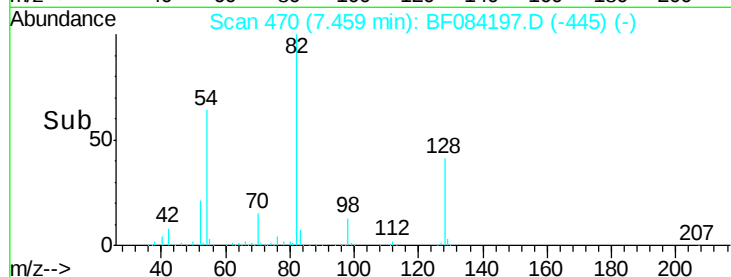
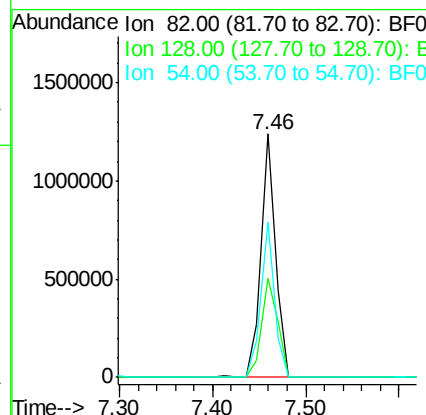
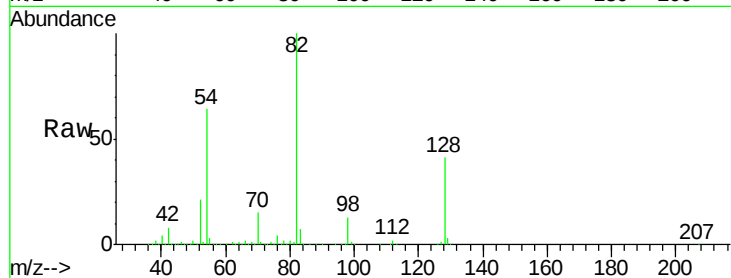




#23
 Nitrobenzene-d5
 Concen: 60.80 ng
 RT: 7.46 min Scan# 470
 Delta R.T. -0.01 min
 Lab File: BF084197.D
 Acq: 31 Dec 2015 16:20

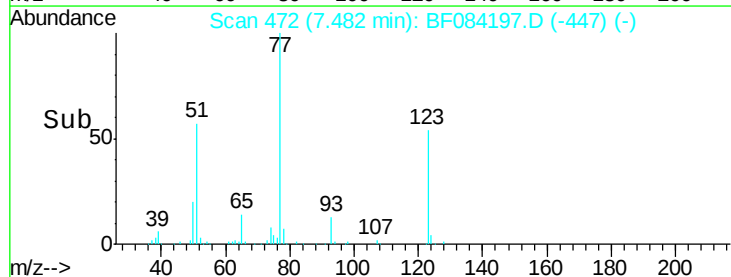
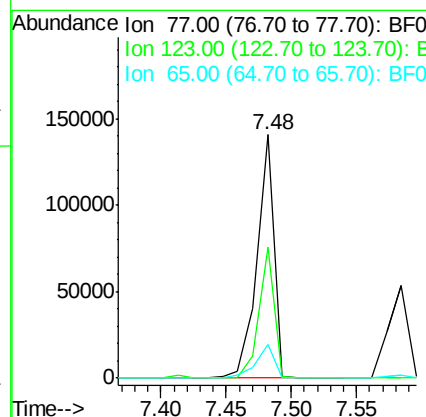
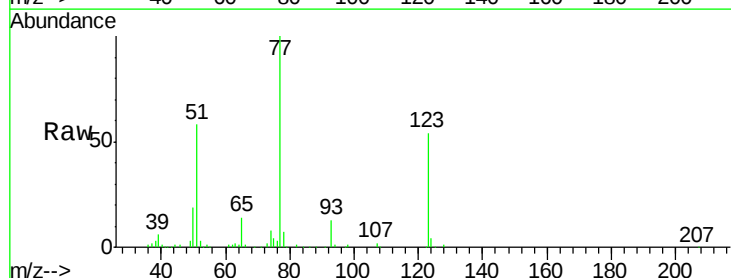
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

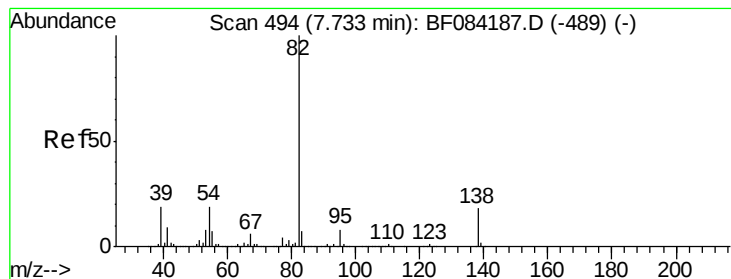
Tgt Ion: 82 Resp: 1346417
 Ion Ratio Lower Upper
 82 100
 128 40.9 34.6 51.8
 54 64.0 38.4 57.6#



#24
 Nitrobenzene
 Concen: 5.75 ng
 RT: 7.48 min Scan# 472
 Delta R.T. -0.01 min
 Lab File: BF084197.D
 Acq: 31 Dec 2015 16:20

Tgt Ion: 77 Resp: 129084
 Ion Ratio Lower Upper
 77 100
 123 54.0 37.4 56.2
 65 14.1 10.9 16.3





#25

Isophorone

Concen: 5.68 ng

RT: 7.72 min Scan# 493

Delta R.T. -0.01 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

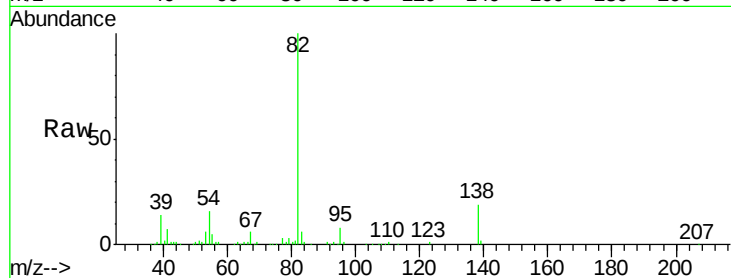
Tgt Ion: 82 Resp: 240730

Ion Ratio Lower Upper

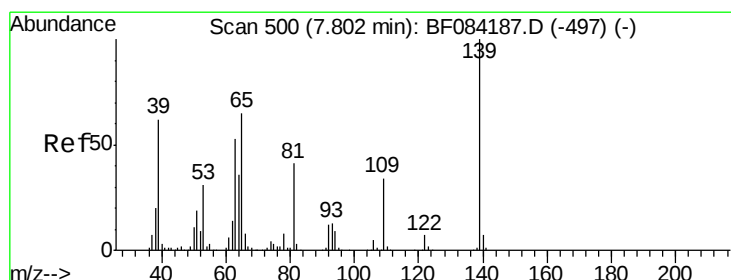
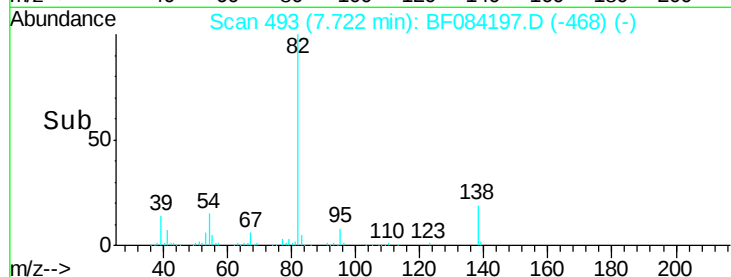
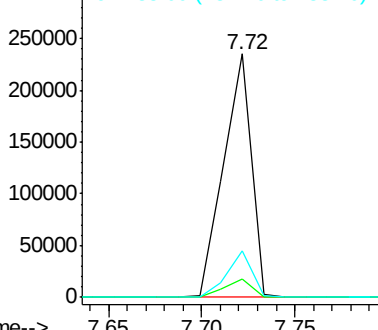
82 100

95 7.6 6.6 10.0

138 18.9 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: 4.76 ng

RT: 7.80 min Scan# 500

Delta R.T. 0.00 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

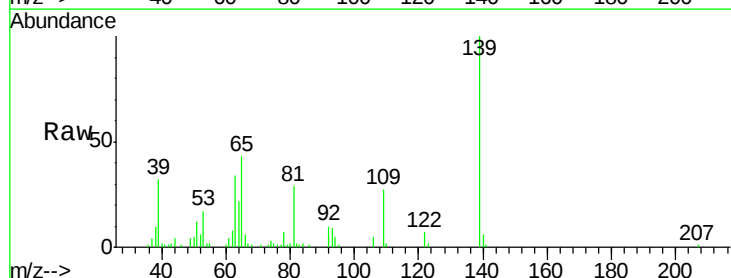
Tgt Ion: 139 Resp: 48675

Ion Ratio Lower Upper

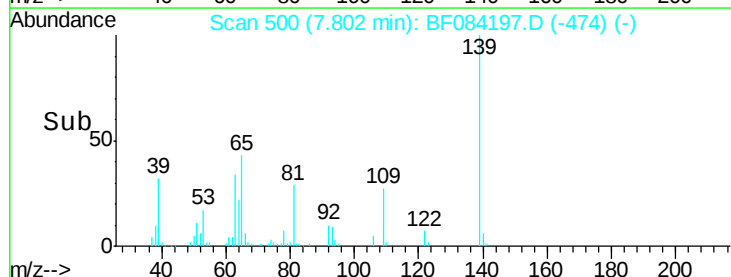
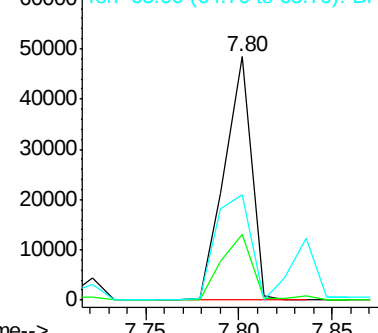
139 100

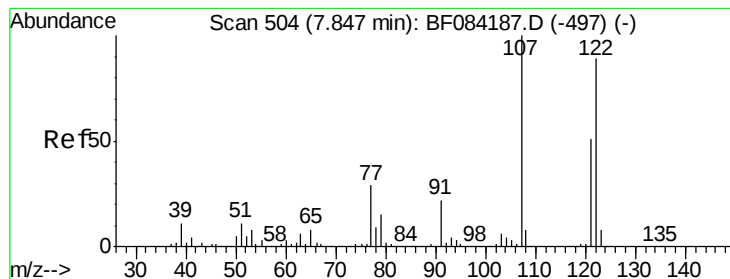
109 27.0 25.4 38.2

65 43.3 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: 5.76 ng

RT: 7.84 min Scan# 503

Delta R.T. -0.01 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

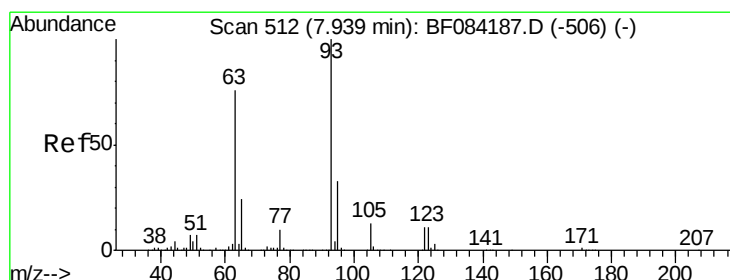
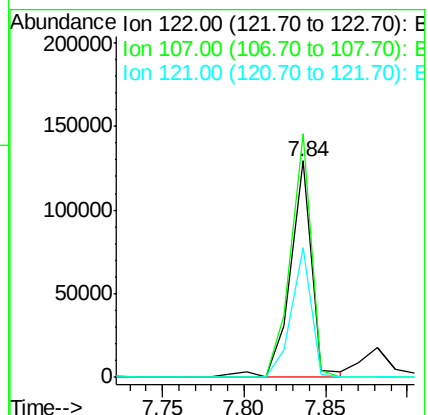
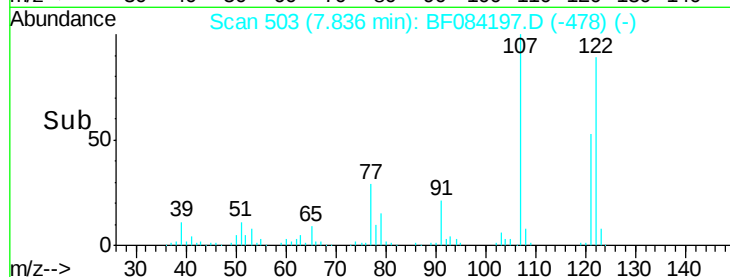
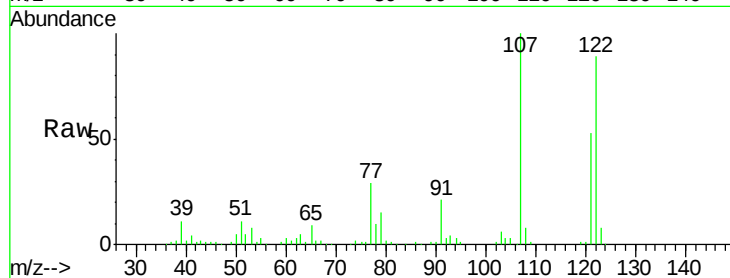
Tgt Ion:122 Resp: 119139

Ion Ratio Lower Upper

122 100

107 112.4 99.1 148.7

121 60.1 47.9 71.9



#28

bis(2-Chloroethoxy)methane

Concen: 5.51 ng

RT: 7.94 min Scan# 512

Delta R.T. 0.00 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

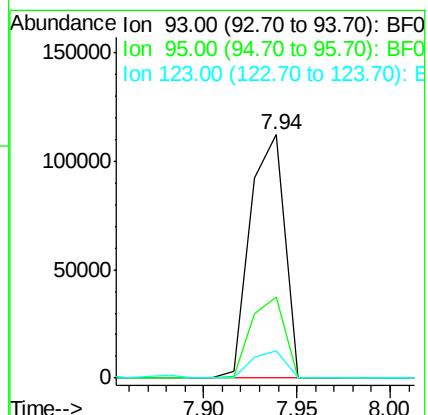
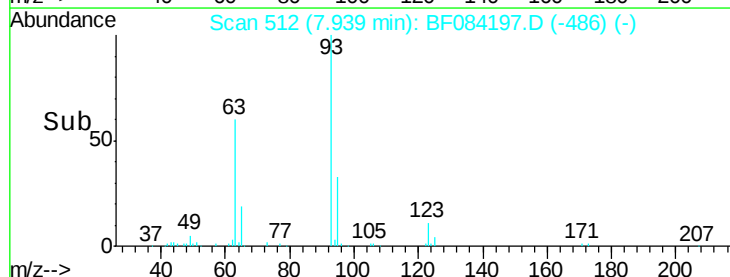
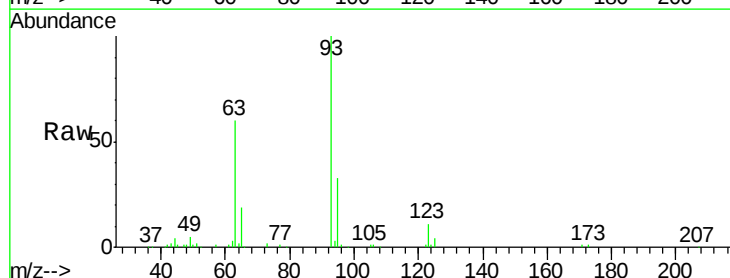
Tgt Ion: 93 Resp: 142559

Ion Ratio Lower Upper

93 100

95 33.3 25.8 38.6

123 11.2 8.6 12.8





#29

2,4-Dichlorophenol

Concen: 5.45 ng

RT: 8.04 min Scan# 521

Delta R.T. 0.00 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

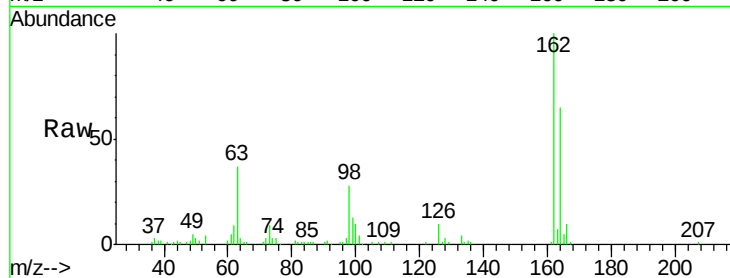
Tgt Ion:162 Resp: 93848

Ion Ratio Lower Upper

162 100

164 65.5 44.1 84.1

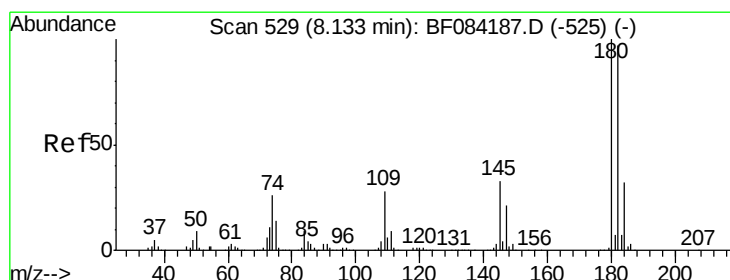
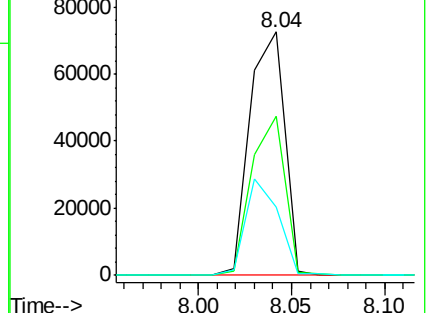
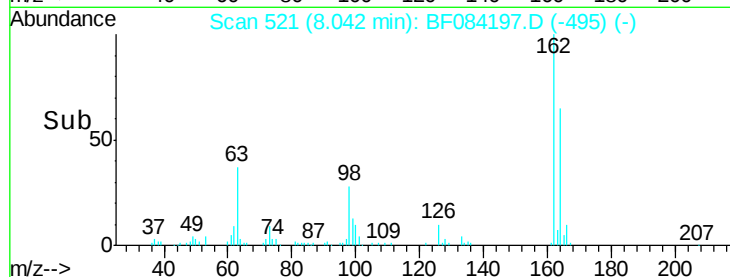
98 27.9 20.2 60.2



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF0



#30

1,2,4-Trichlorobenzene

Concen: 5.76 ng

RT: 8.12 min Scan# 528

Delta R.T. -0.01 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

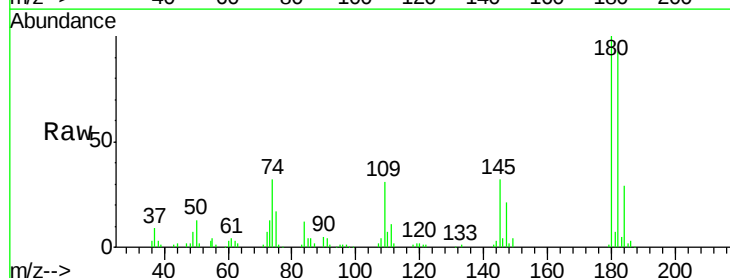
Tgt Ion:180 Resp: 102397

Ion Ratio Lower Upper

180 100

182 92.7 76.4 114.6

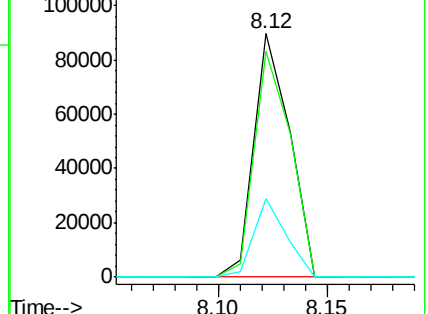
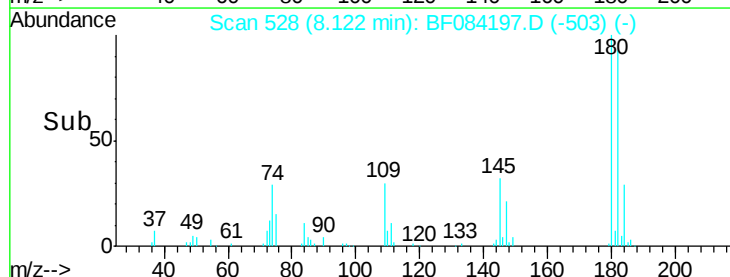
145 32.2 31.6 47.4

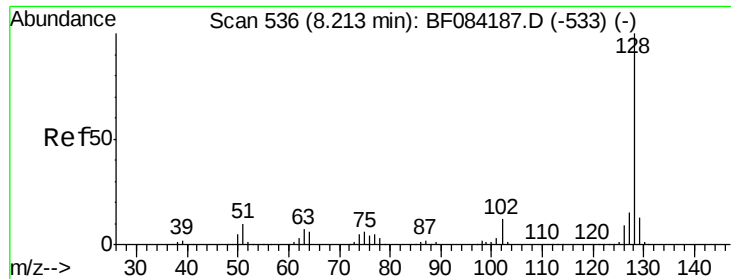


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

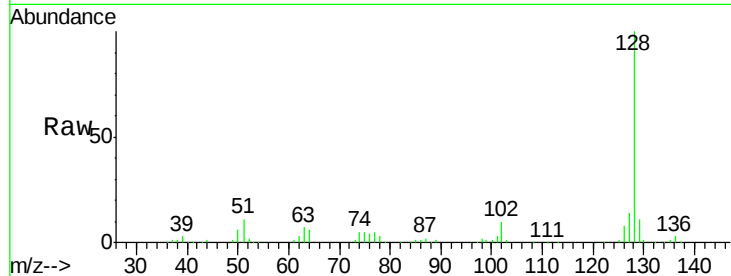




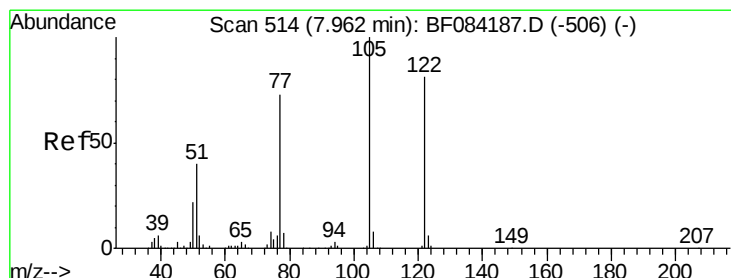
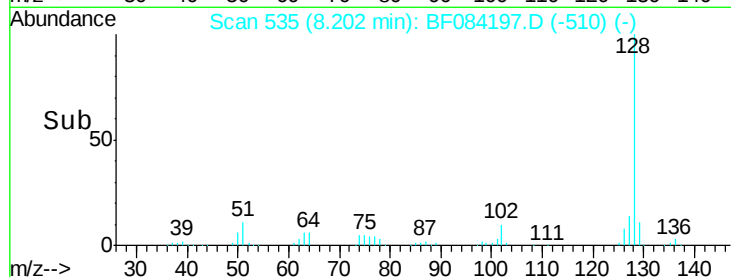
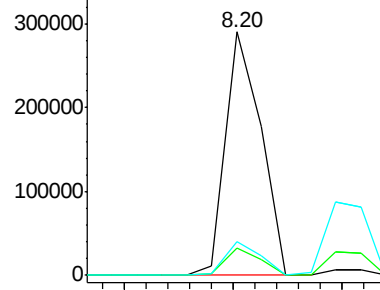
#31
Naphthalene
Concen: 5.89 ng
RT: 8.20 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF084197.D
Acq: 31 Dec 2015 16:20

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:128 Resp: 329491
Ion Ratio Lower Upper
128 100
129 11.2 9.1 13.7
127 14.0 11.1 16.7

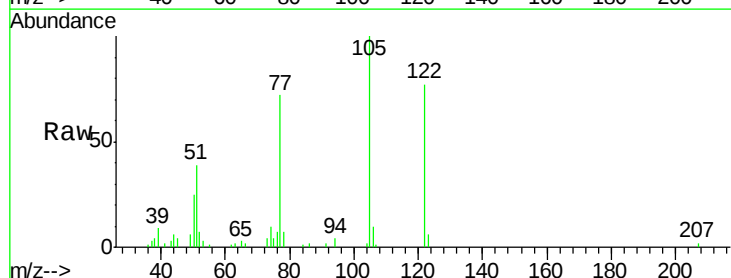


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

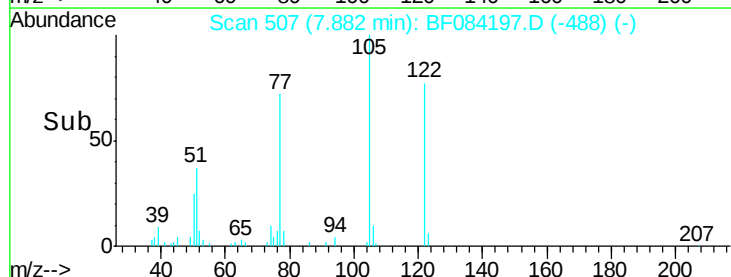
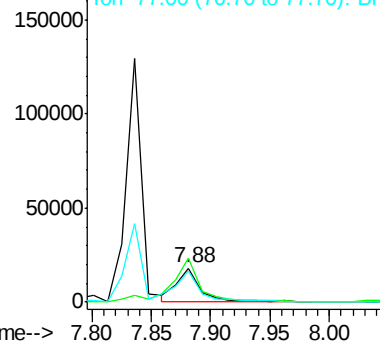


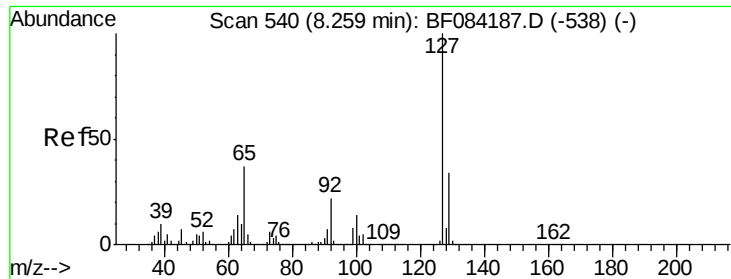
#32
Benzoic acid
Concen: 7.98 ng
RT: 7.88 min Scan# 507
Delta R.T. -0.08 min
Lab File: BF084197.D
Acq: 31 Dec 2015 16:20

Tgt Ion:122 Resp: 26560
Ion Ratio Lower Upper
122 100
105 130.3 100.3 140.3
77 94.4 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

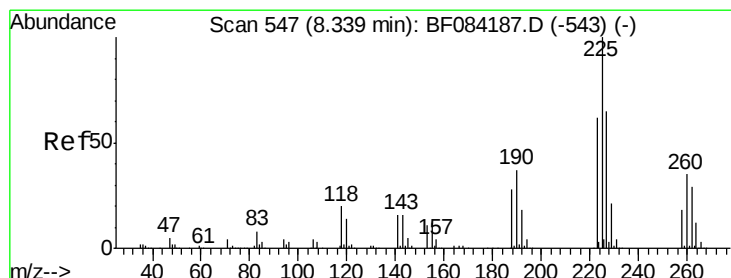
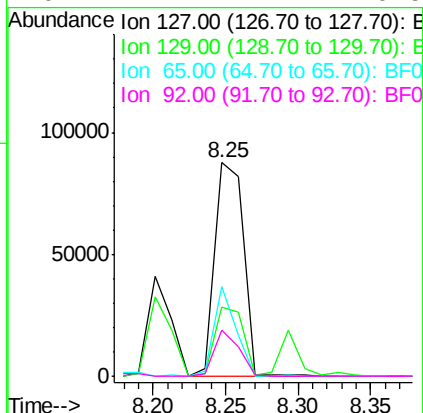
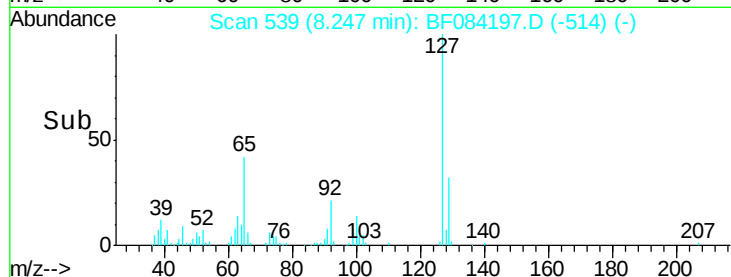
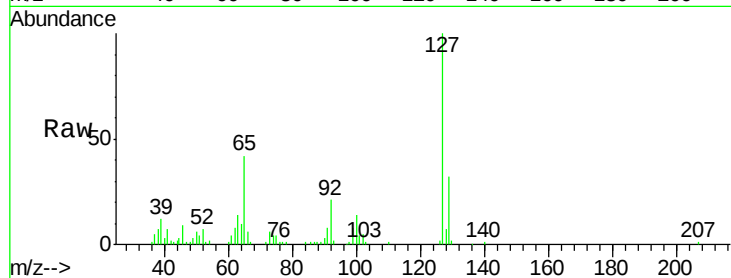




#33
4-Chloroaniline
Concen: 4.66 ng
RT: 8.25 min Scan# 539
Delta R.T. -0.01 min
Lab File: BF084197.D
Acq: 31 Dec 2015 16:20

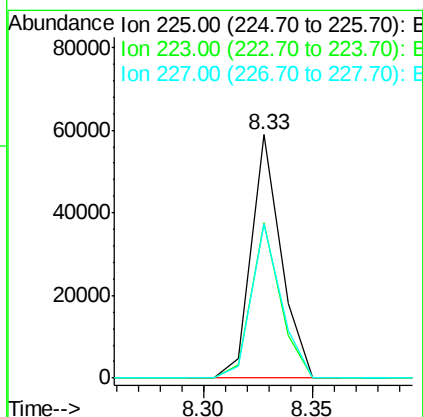
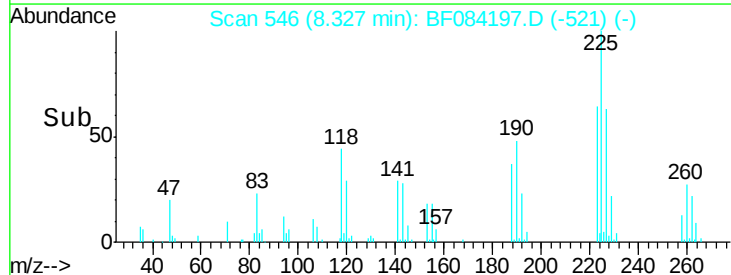
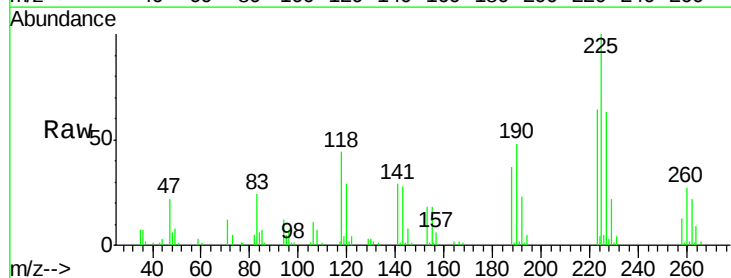
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

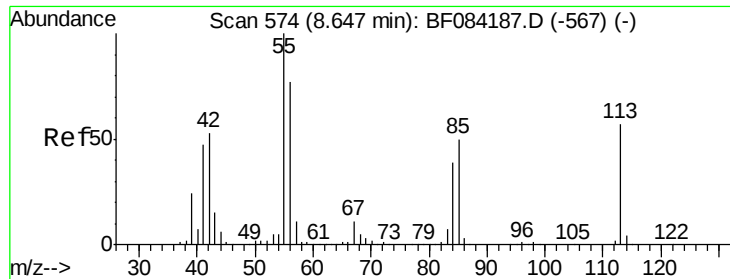
Tgt Ion:	127	Resp:	119391
Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.5	39.7
65	42.0	27.2	40.8#
92	21.4	17.7	26.5



#34
Hexachlorobutadiene
Concen: 5.48 ng
RT: 8.33 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF084197.D
Acq: 31 Dec 2015 16:20

Tgt Ion:	225	Resp:	56030
Ion	Ratio	Lower	Upper
225	100		
223	64.0	49.4	74.0
227	63.2	50.8	76.2

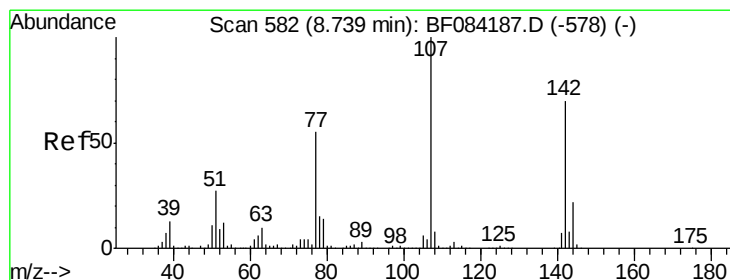
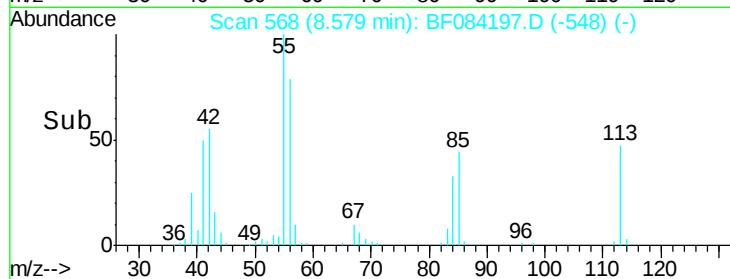
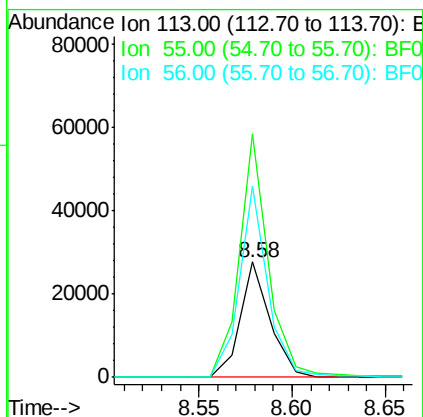
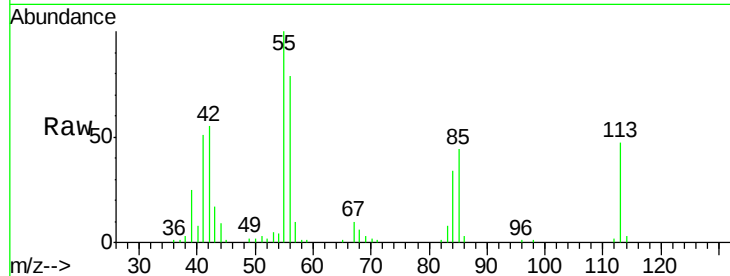




#35
 Caprolactam
 Concen: 5.32 ng
 RT: 8.58 min Scan# 568
 Delta R.T. -0.07 min
 Lab File: BF084197.D
 Acq: 31 Dec 2015 16:20

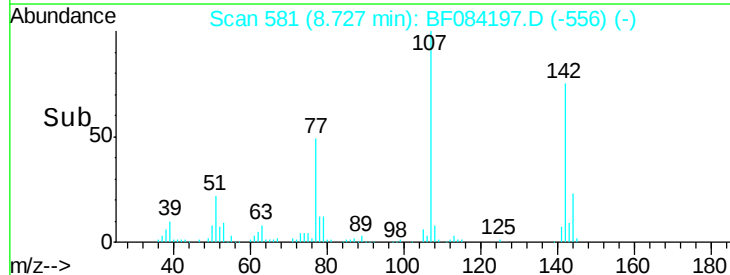
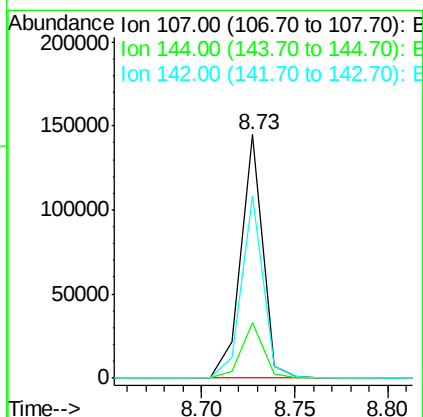
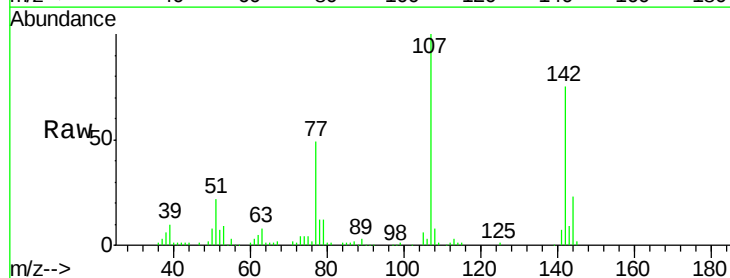
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

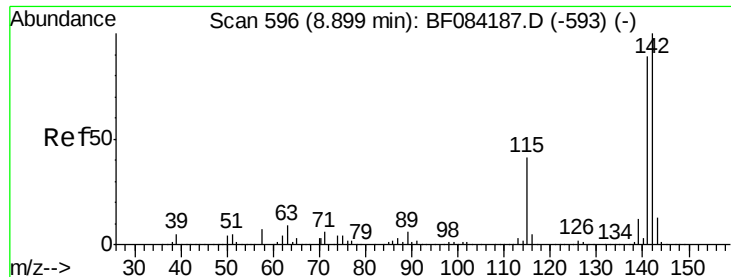
Tgt Ion:113 Resp: 30921
 Ion Ratio Lower Upper
 113 100
 55 211.2 116.9 156.9#
 56 166.3 93.8 133.8#



#36
 4-Chloro-3-methylphenol
 Concen: 6.23 ng
 RT: 8.73 min Scan# 581
 Delta R.T. -0.01 min
 Lab File: BF084197.D
 Acq: 31 Dec 2015 16:20

Tgt Ion:107 Resp: 120268
 Ion Ratio Lower Upper
 107 100
 144 22.7 19.7 29.5
 142 75.1 61.8 92.6

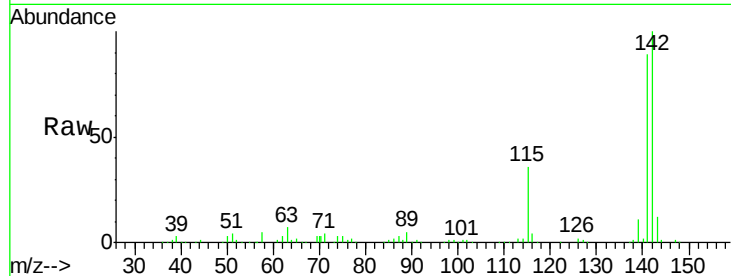




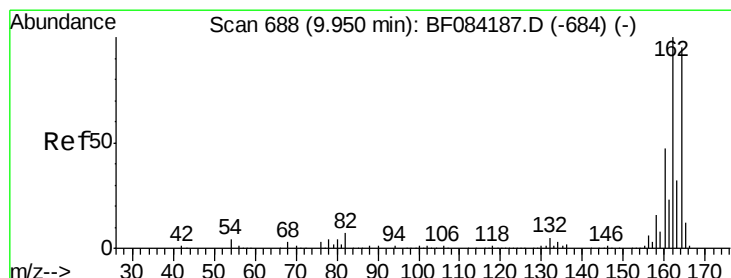
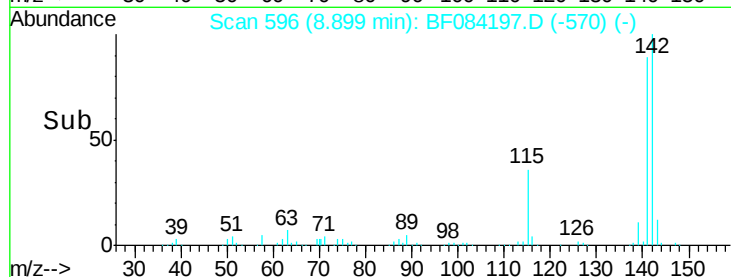
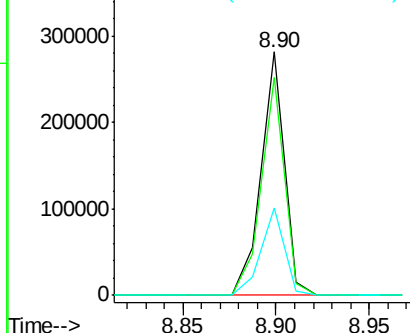
#37
 2-Methylnaphthalene
 Concen: 6.05 ng
 RT: 8.90 min Scan# 596
 Delta R.T. 0.00 min
 Lab File: BF084197.D
 Acq: 31 Dec 2015 16:20

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.3	72.4	108.6
115	36.0	27.9	41.9

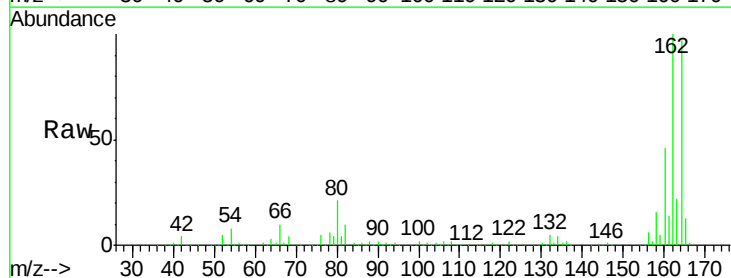


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

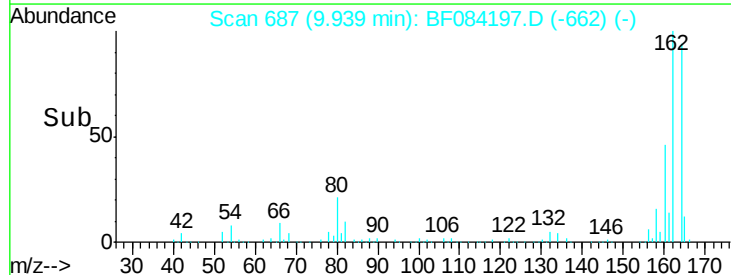
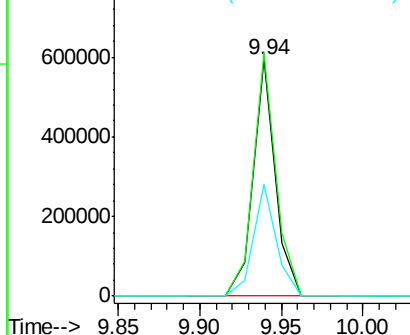


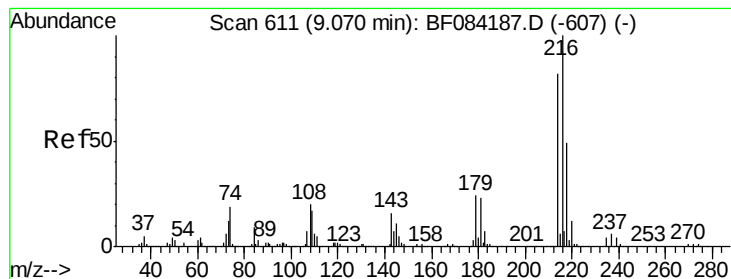
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.94 min Scan# 687
 Delta R.T. -0.01 min
 Lab File: BF084197.D
 Acq: 31 Dec 2015 16:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.8	85.1	127.7
160	47.4	37.5	56.3



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





#39

1,2,4,5-Tetrachlorobenzene

Concen: 6.07 ng

RT: 9.06 min Scan# 610

Delta R.T. -0.01 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

Tgt Ion:216 Resp: 97537

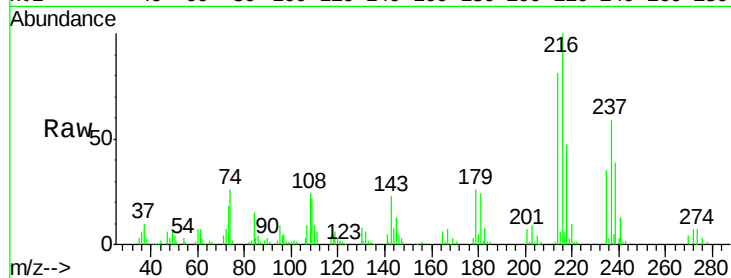
Ion Ratio Lower Upper

216 100

214 78.2 64.2 96.2

179 23.2 18.7 28.1

108 20.0 16.8 25.2

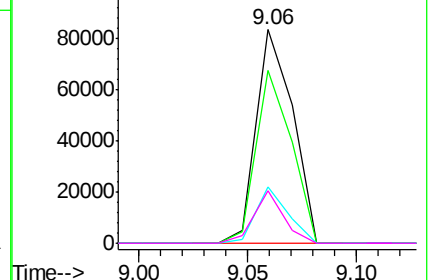
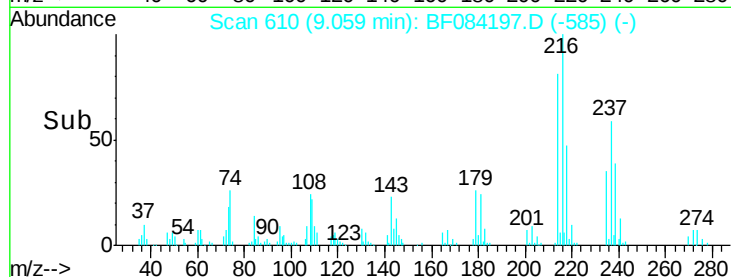


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 5.16 ng

RT: 9.06 min Scan# 610

Delta R.T. 0.00 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

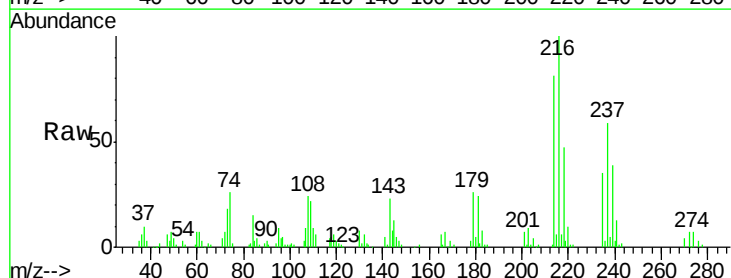
Tgt Ion:237 Resp: 50088

Ion Ratio Lower Upper

237 100

235 59.7 43.1 83.1

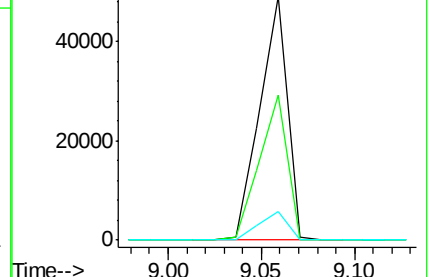
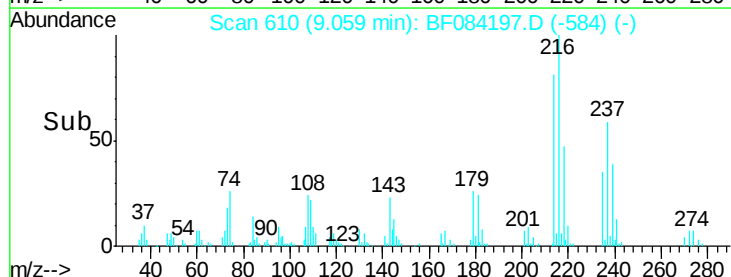
272 11.6 0.0 35.1



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

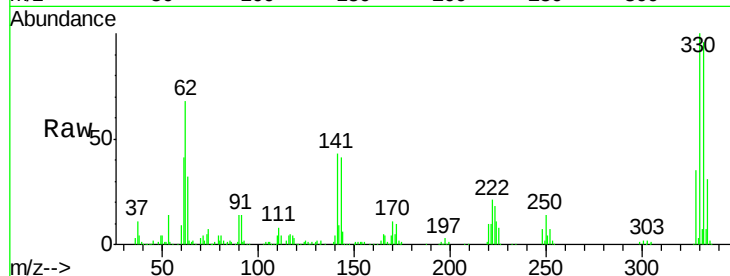




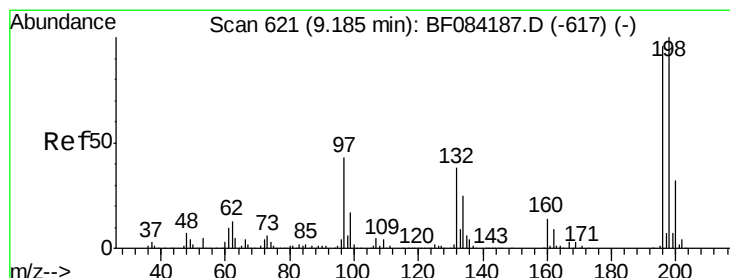
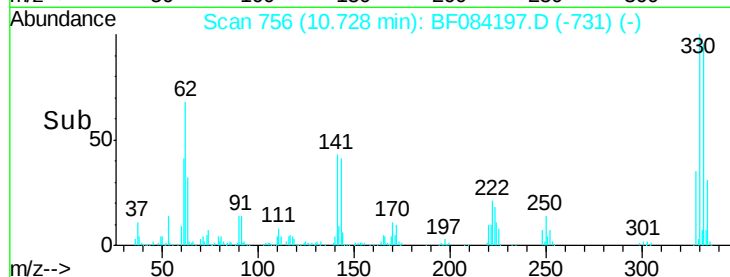
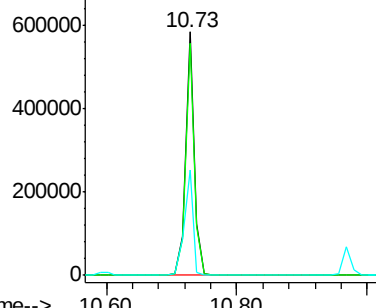
#41
 2,4,6-Tribromophenol
 Concen: 99.37 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: BF084197.D
 Acq: 31 Dec 2015 16:20

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion:330 Resp: 561010
 Ion Ratio Lower Upper
 330 100
 332 95.7 76.6 114.8
 141 43.4 27.8 41.6#

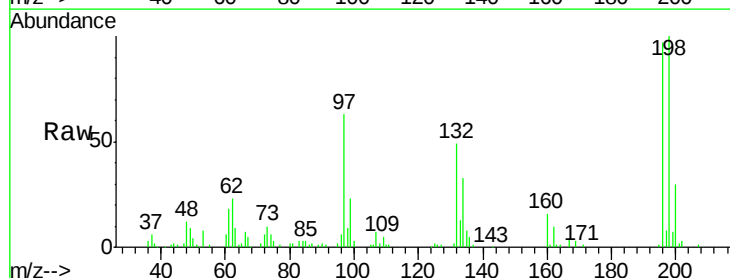


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

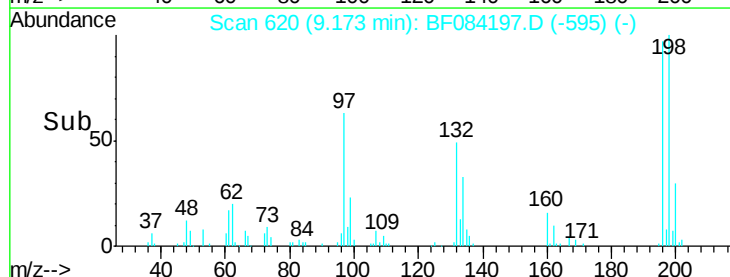
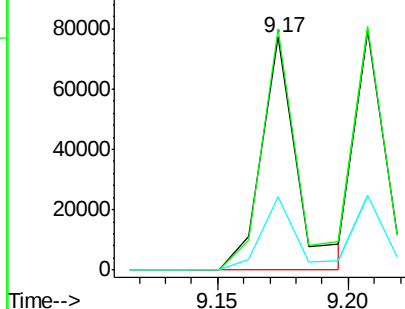


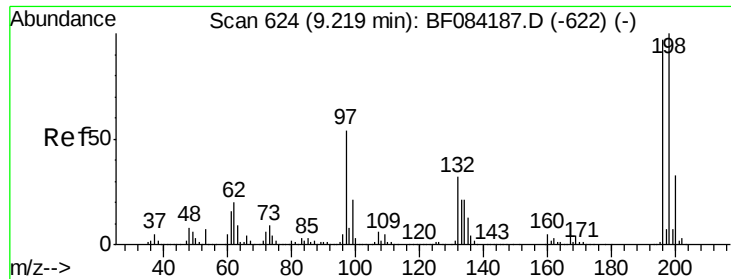
#42
 2,4,6-Trichlorophenol
 Concen: 5.98 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.01 min
 Lab File: BF084197.D
 Acq: 31 Dec 2015 16:20

Tgt Ion:196 Resp: 71925
 Ion Ratio Lower Upper
 196 100
 198 103.6 77.7 116.5
 200 31.5 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

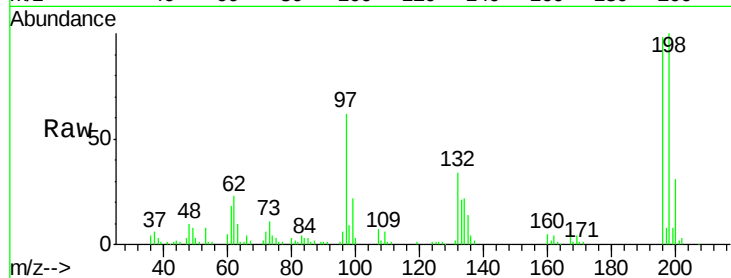




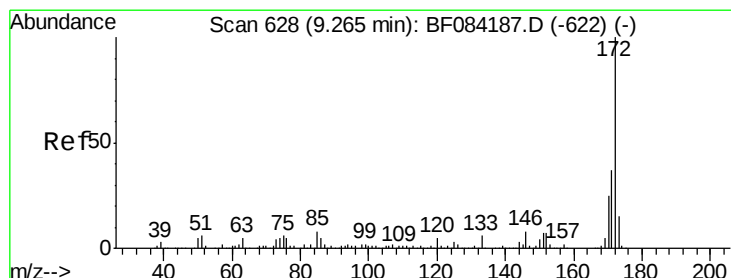
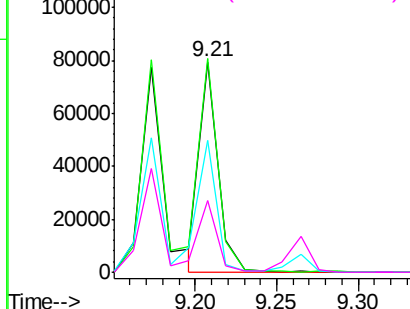
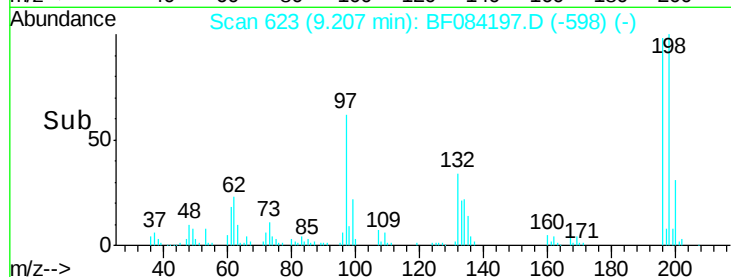
#43
 2,4,5-Trichlorophenol
 Concen: 5.55 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF084197.D
 Acq: 31 Dec 2015 16:20

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion:196 Resp: 63937
 Ion Ratio Lower Upper
 196 100
 198 101.7 79.0 118.6
 97 62.9 33.0 49.6#
 132 34.1 21.1 31.7#

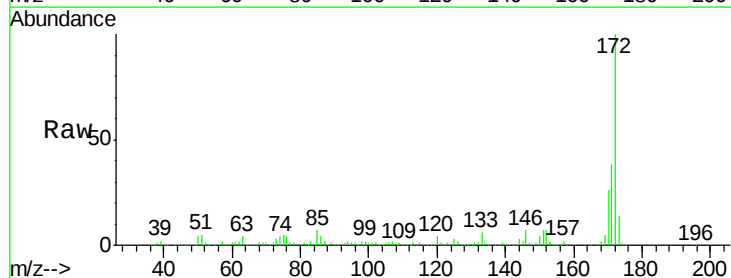


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

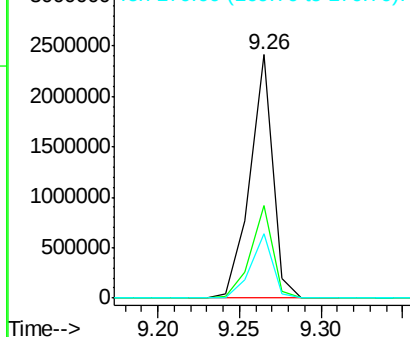
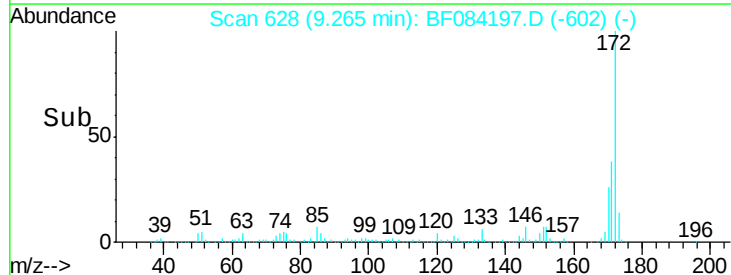


#44
 2-Fluorobiphenyl
 Concen: 72.51 ng
 RT: 9.26 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: BF084197.D
 Acq: 31 Dec 2015 16:20

Tgt Ion:172 Resp: 2334611
 Ion Ratio Lower Upper
 172 100
 171 38.1 28.9 43.3
 170 26.5 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

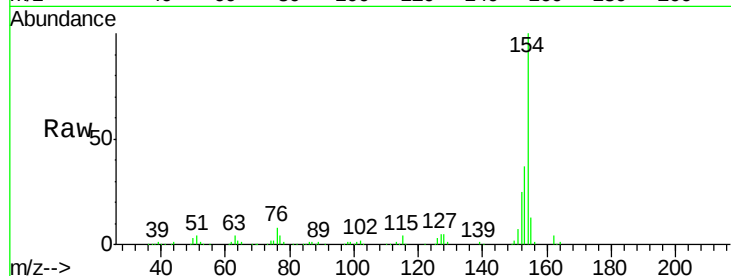




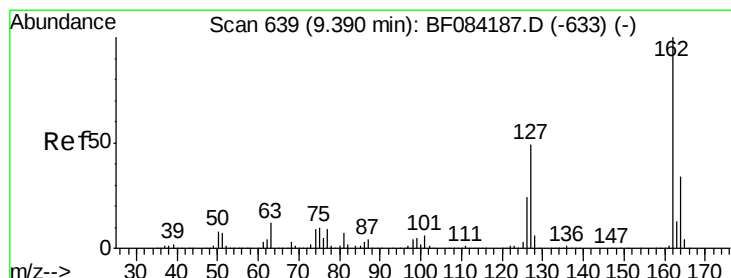
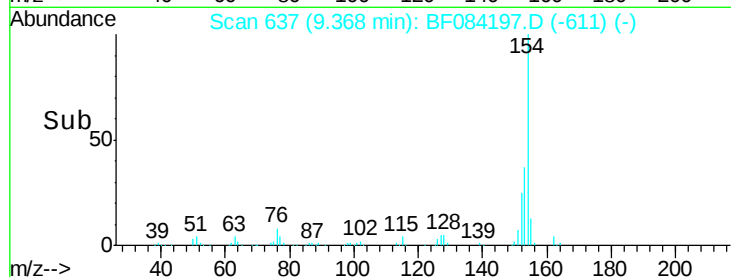
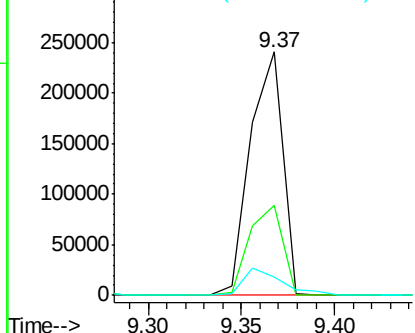
#45
1,1'-Biphenyl
Concen: 6.52 ng
RT: 9.37 min Scan# 637
Delta R.T. 0.00 min
Lab File: BF084197.D
Acq: 31 Dec 2015 16:20

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:154 Resp: 289777
Ion Ratio Lower Upper
154 100
153 37.2 21.6 61.6
76 7.7 0.0 32.7

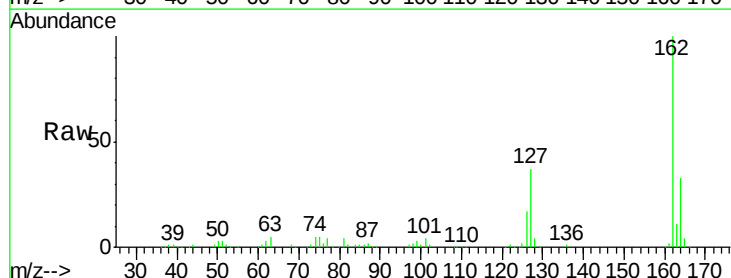


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

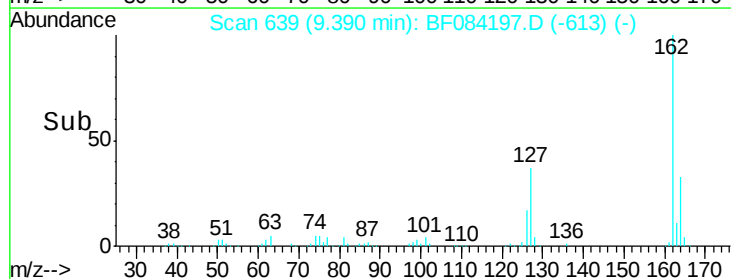
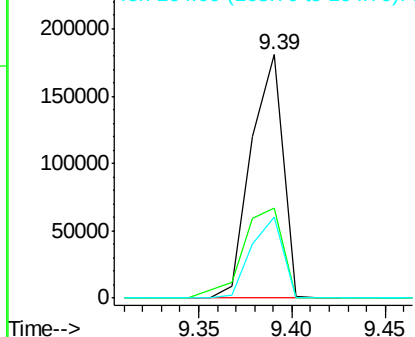


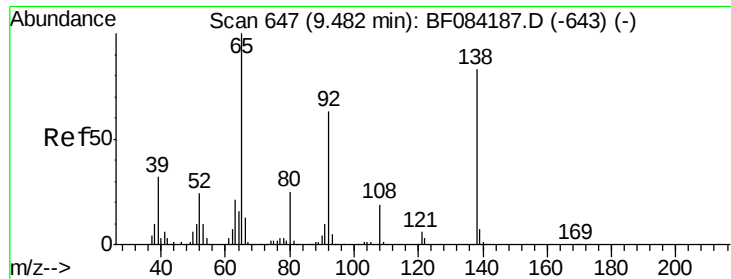
#46
2-Chloronaphthalene
Concen: 6.10 ng
RT: 9.39 min Scan# 639
Delta R.T. 0.00 min
Lab File: BF084197.D
Acq: 31 Dec 2015 16:20

Tgt Ion:162 Resp: 212990
Ion Ratio Lower Upper
162 100
127 37.2 40.2 60.4#
164 33.1 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: 4.99 ng

RT: 9.47 min Scan# 646

Delta R.T. -0.01 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

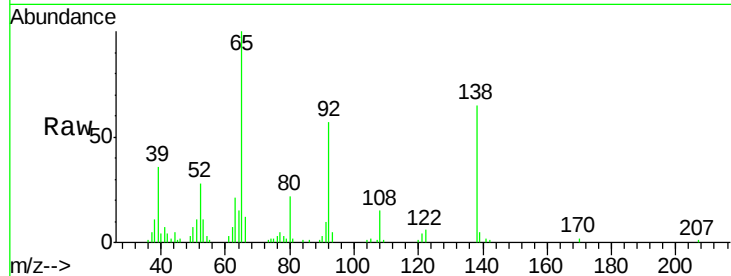
Tgt Ion: 65 Resp: 57475

Ion Ratio Lower Upper

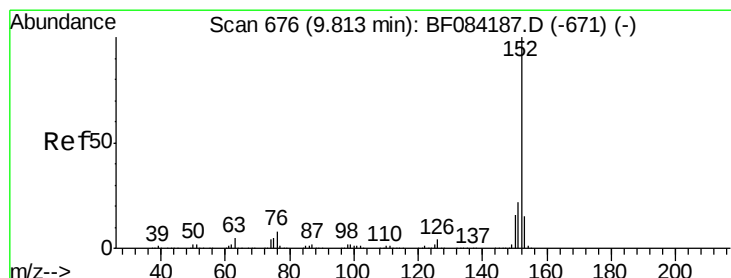
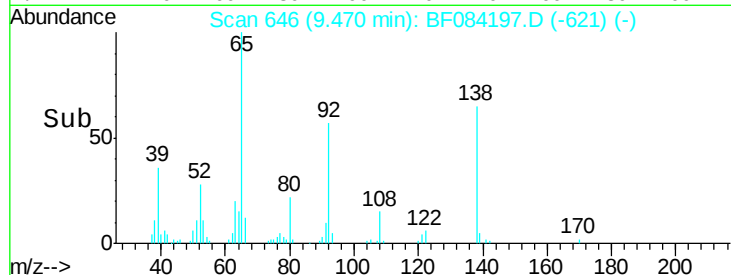
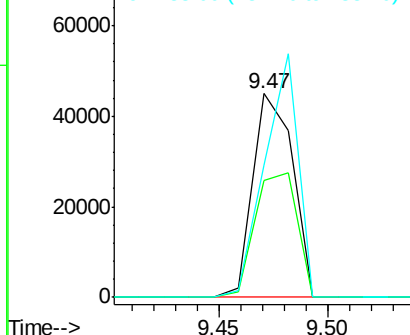
65 100

92 57.5 53.4 80.2

138 64.9 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: 6.79 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.01 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

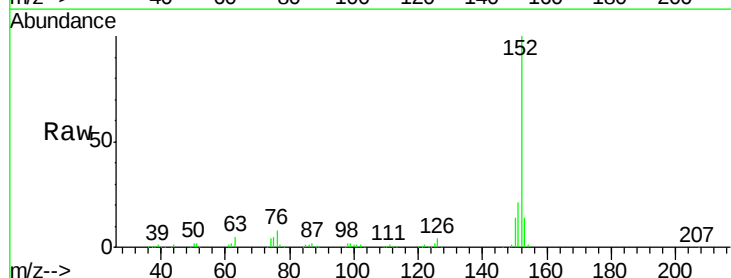
Tgt Ion: 152 Resp: 350223

Ion Ratio Lower Upper

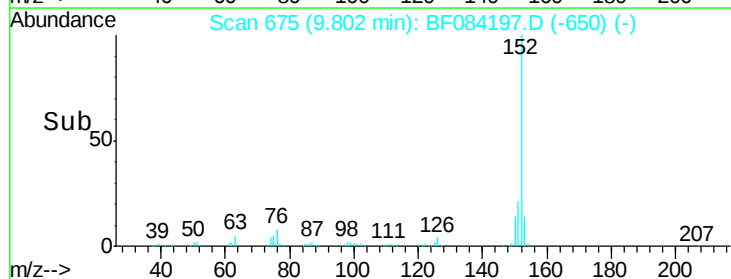
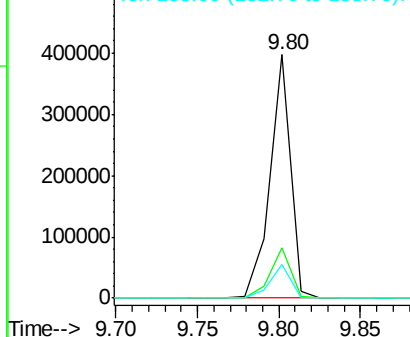
152 100

151 20.9 16.3 24.5

153 13.7 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 5.96 ng

RT: 9.65 min Scan# 662

Delta R.T. -0.02 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

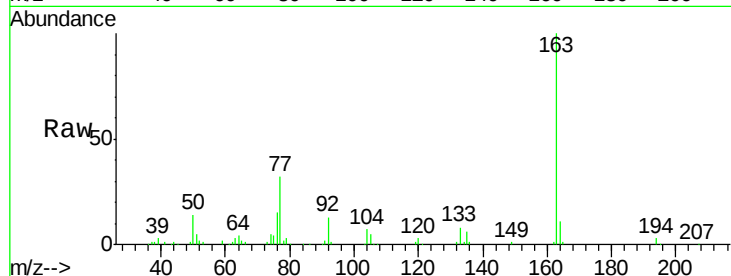
Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

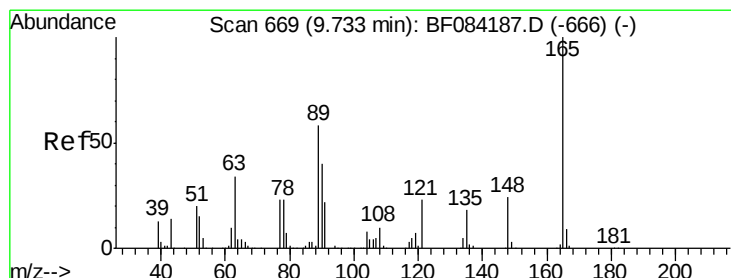
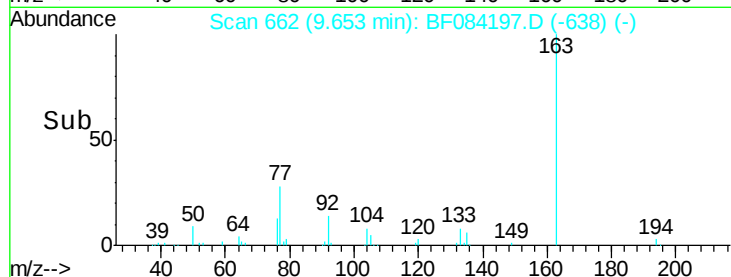
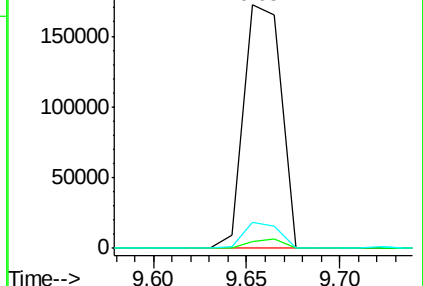
Tgt Ion:	163	Resp:	238250
Ion Ratio	Lower	Upper	
163	100		
194	2.7	8.0	12.0#
164	10.8	8.0	12.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 5.66 ng

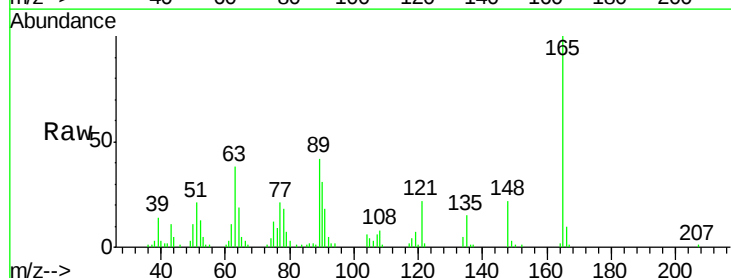
RT: 9.72 min Scan# 668

Delta R.T. -0.01 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

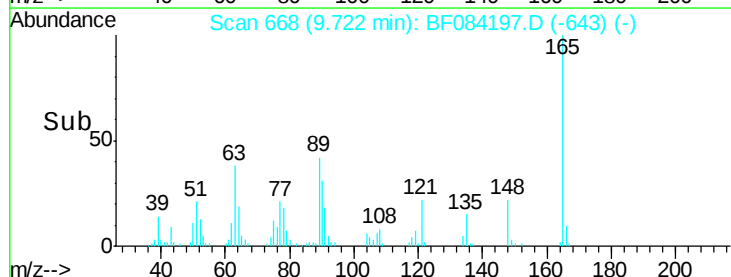
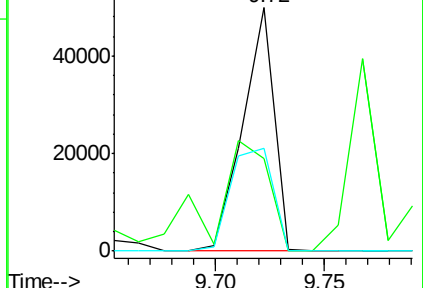
Tgt Ion:	165	Resp:	49617
Ion Ratio	Lower	Upper	
165	100		
63	38.2	28.8	43.2
89	42.0	35.1	52.7

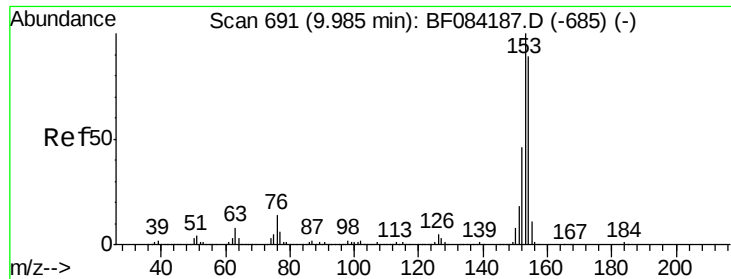


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 6.44 ng

RT: 9.97 min Scan# 690

Delta R.T. -0.01 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

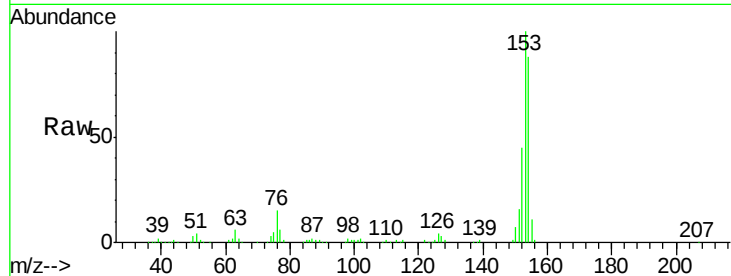
Tgt Ion:154 Resp: 222880

Ion Ratio Lower Upper

154 100

153 113.9 91.5 137.3

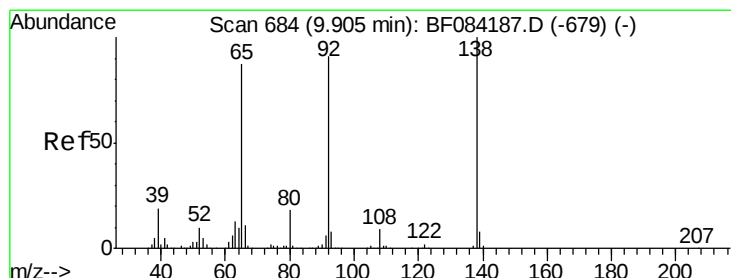
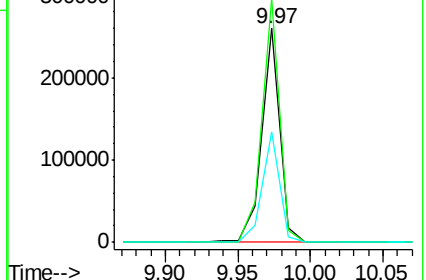
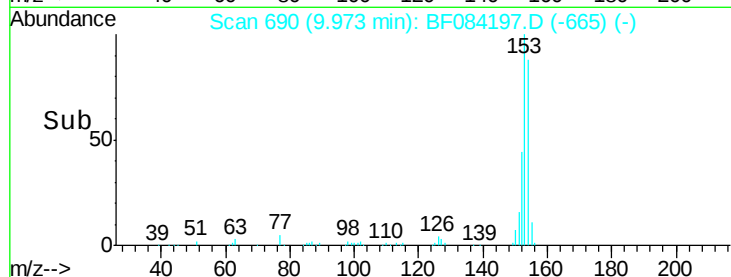
152 51.4 43.0 64.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 5.29 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.02 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

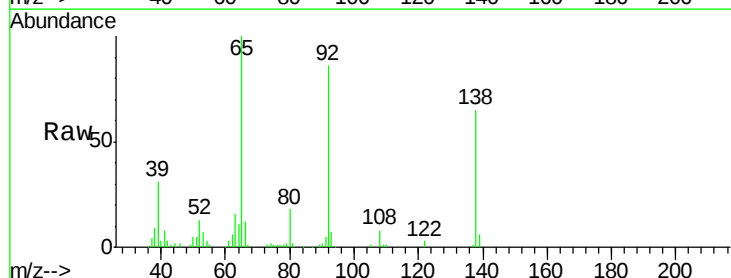
Tgt Ion:138 Resp: 57476

Ion Ratio Lower Upper

138 100

108 12.2 10.5 15.7

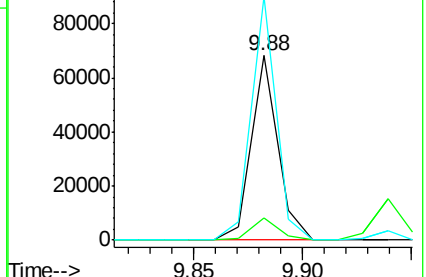
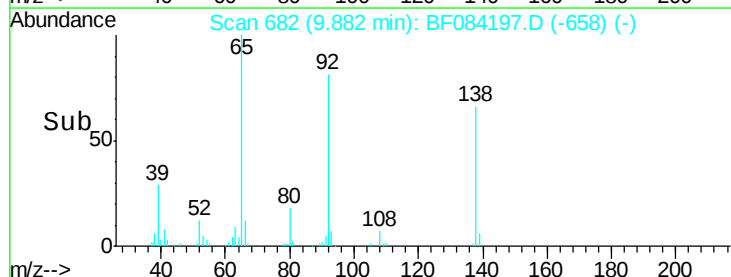
92 132.0 103.9 155.9

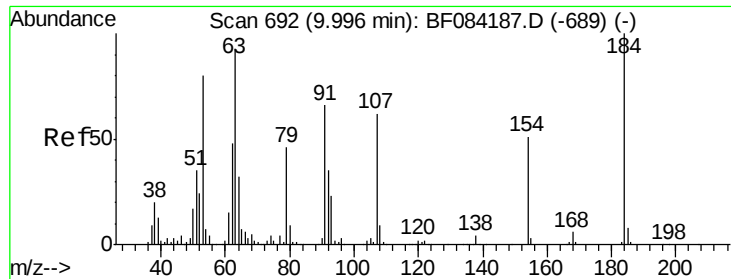


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

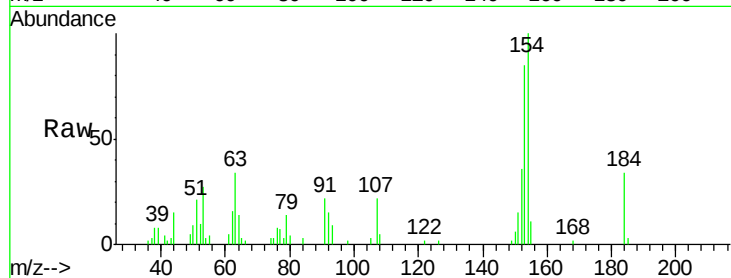




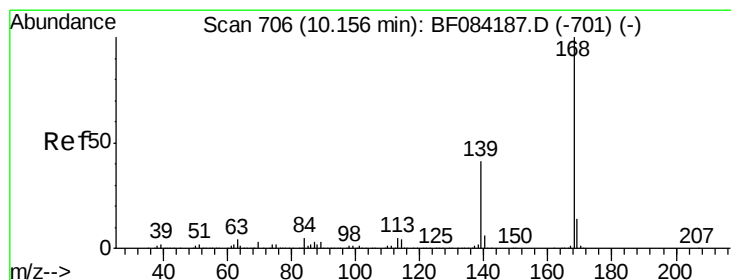
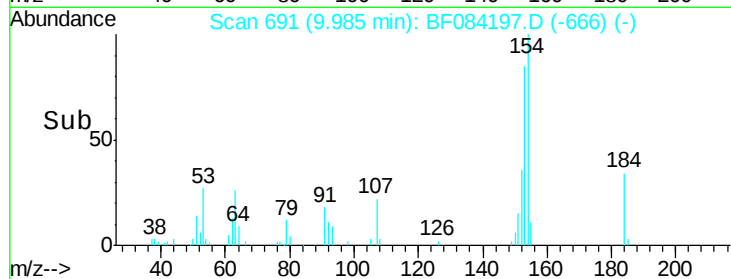
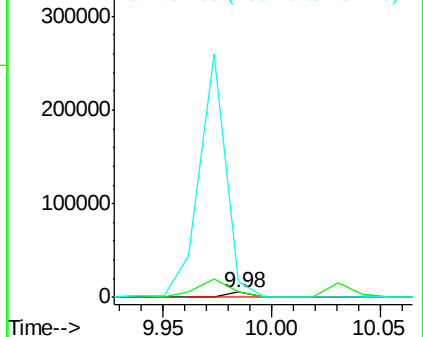
#53
2,4-Dinitrophenol
Concen: 4.81 ng
RT: 9.98 min Scan# 691
Delta R.T. -0.01 min
Lab File: BF084197.D
Acq: 31 Dec 2015 16:20

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:184 Resp: 4913
Ion Ratio Lower Upper
184 100
63 101.1 43.1 64.7#
154 295.7 60.5 90.7#

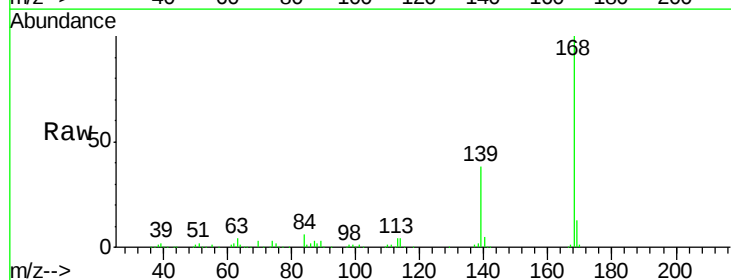


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

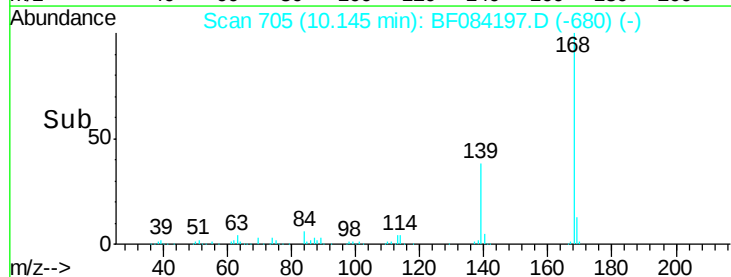
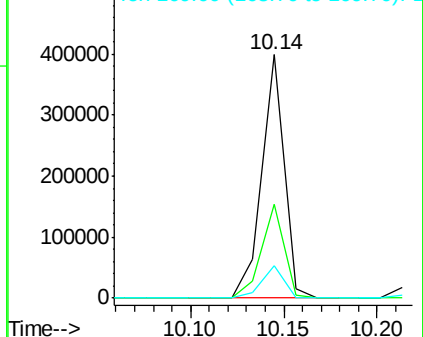


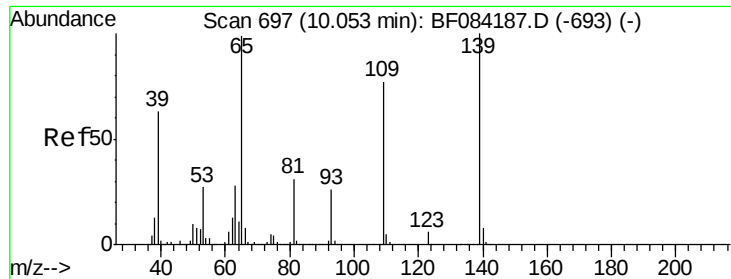
#54
Dibenzofuran
Concen: 4.68 ng
RT: 10.14 min Scan# 705
Delta R.T. -0.01 min
Lab File: BF084197.D
Acq: 31 Dec 2015 16:20

Tgt Ion:168 Resp: 328906
Ion Ratio Lower Upper
168 100
139 38.5 30.5 45.7
169 13.3 10.4 15.6



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

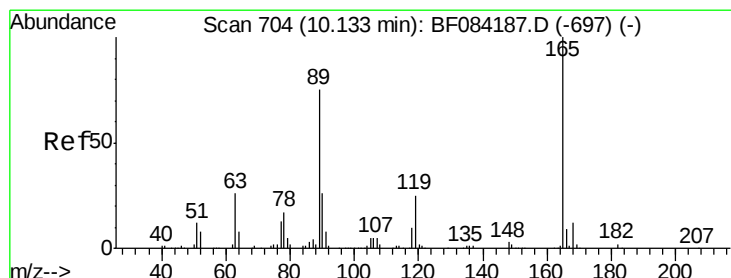
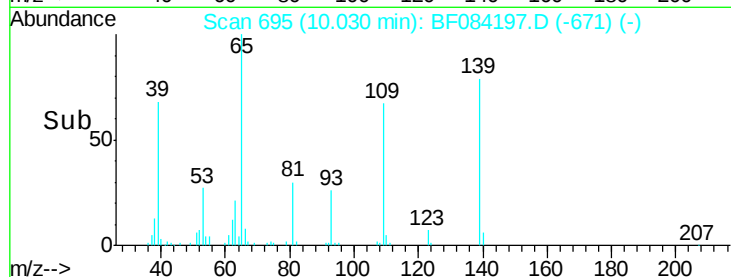
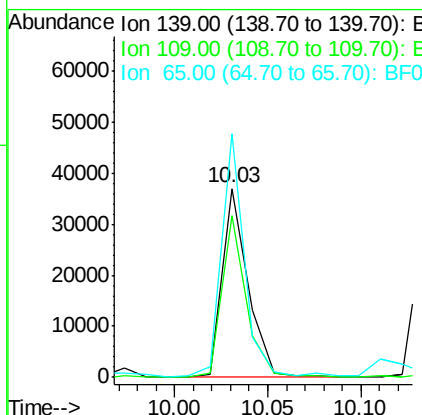
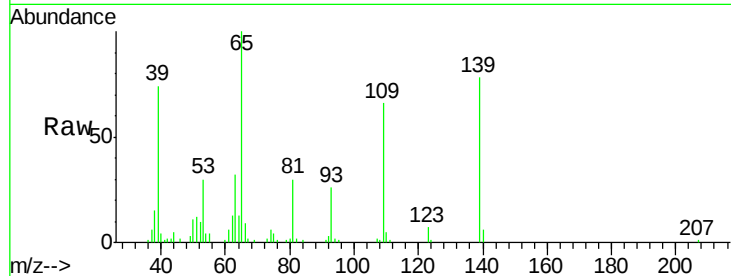




#55
4-Nitrophenol
Concen: 4.55 ng
RT: 10.03 min Scan# 695
Delta R.T. -0.02 min
Lab File: BF084197.D
Acq: 31 Dec 2015 16:20

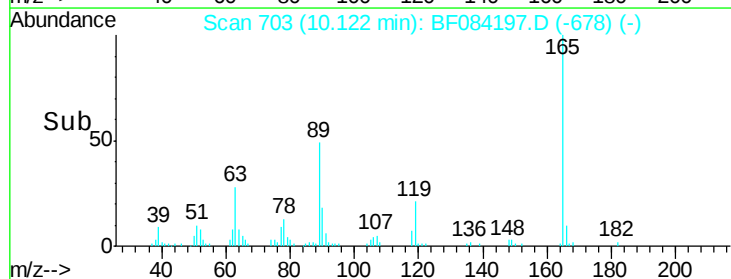
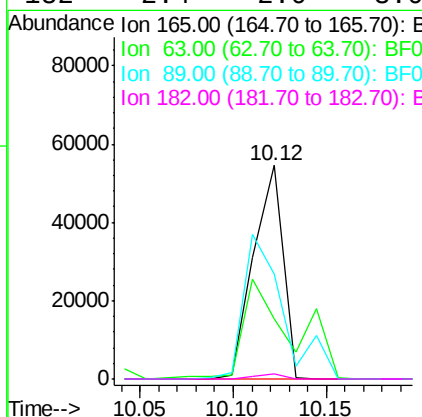
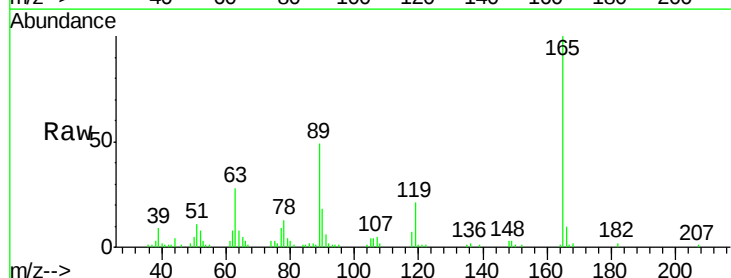
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:139 Resp: 35896
Ion Ratio Lower Upper
139 100
109 85.6 58.5 98.5
65 128.9 57.6 97.6#



#56
2,4-Dinitrotoluene
Concen: 5.38 ng
RT: 10.12 min Scan# 703
Delta R.T. -0.01 min
Lab File: BF084197.D
Acq: 31 Dec 2015 16:20

Tgt Ion:165 Resp: 59716
Ion Ratio Lower Upper
165 100
63 27.9 36.7 55.1#
89 49.1 61.9 92.9#
182 2.4 2.0 3.0





#57

Fluorene

Concen: 5.05 ng

RT: 10.49 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

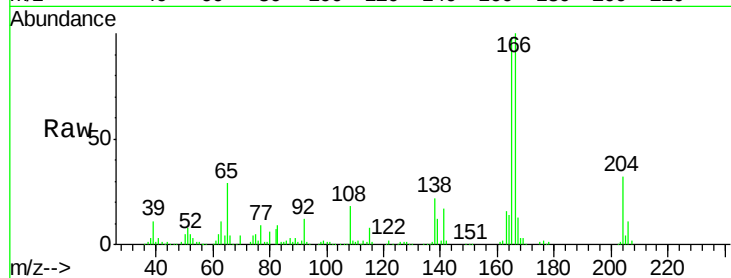
Tgt Ion:166 Resp: 248375

Ion Ratio Lower Upper

166 100

165 97.9 79.1 118.7

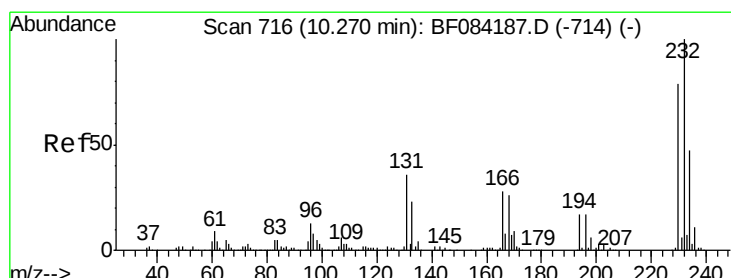
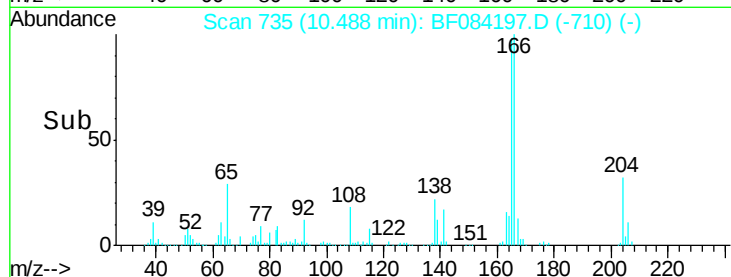
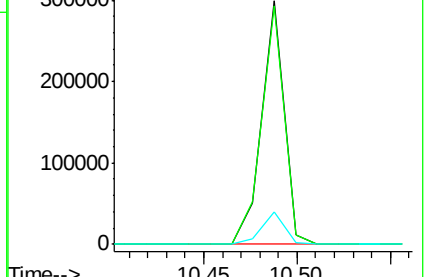
167 13.5 10.4 15.6



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: 6.02 ng

RT: 10.26 min Scan# 715

Delta R.T. -0.01 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

Tgt Ion:232 Resp: 59216

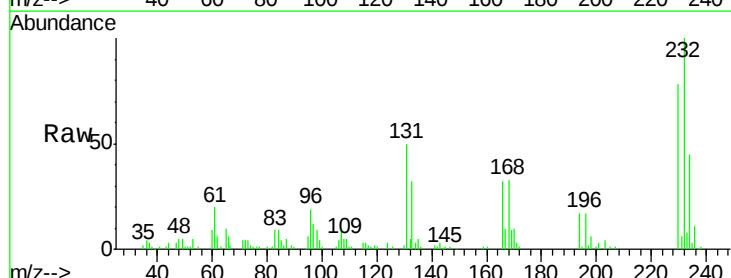
Ion Ratio Lower Upper

232 100

131 50.1 47.0 70.6

130 1.8 2.0 3.0#

166 31.3 30.5 45.7

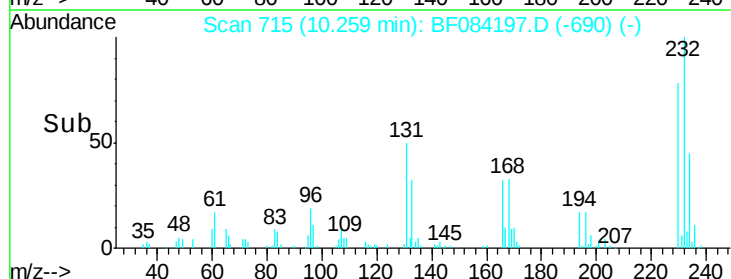
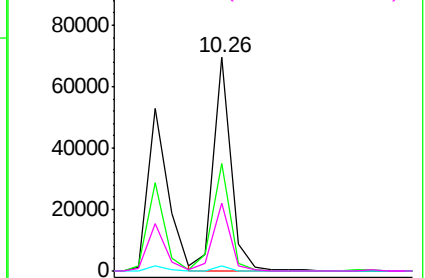


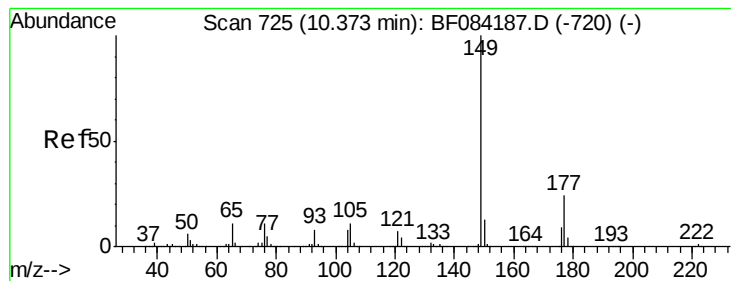
Abundance Ion 232.00 (231.70 to 232.70): E

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: 6.86 ng

RT: 10.36 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

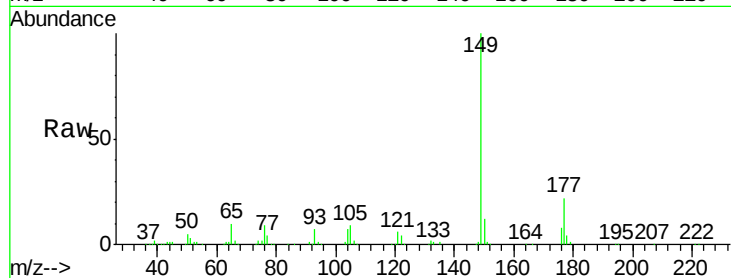
Tgt Ion:149 Resp: 270381

Ion Ratio Lower Upper

149 100

177 22.0 17.3 25.9

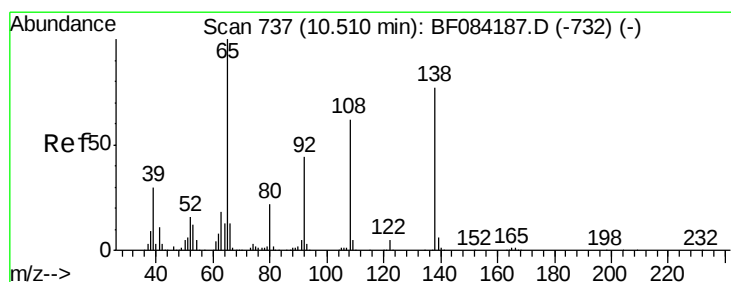
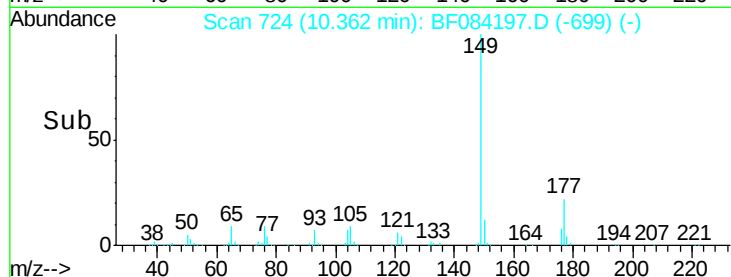
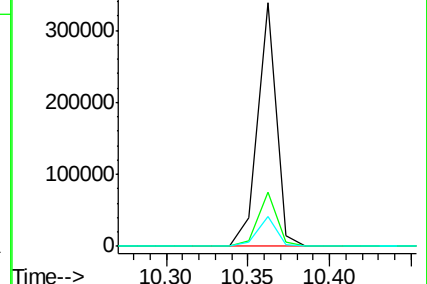
150 12.1 9.8 14.8



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



#61

4-Nitroaniline

Concen: 5.32 ng

RT: 10.49 min Scan# 735

Delta R.T. -0.02 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

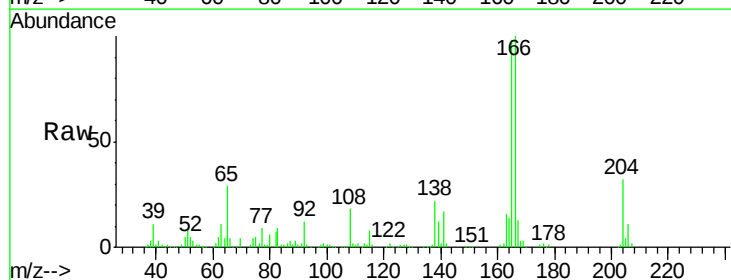
Tgt Ion:138 Resp: 51525

Ion Ratio Lower Upper

138 100

92 55.8 32.6 72.6

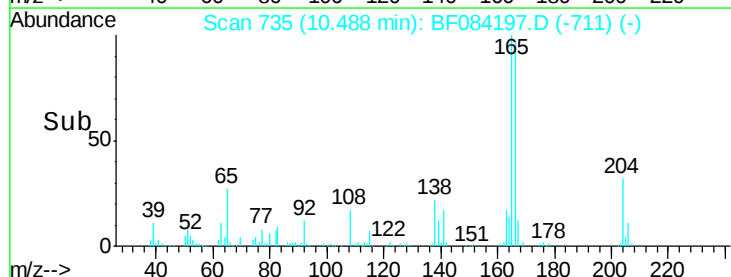
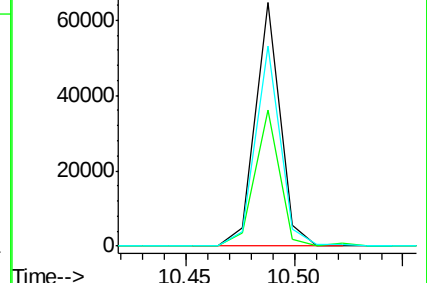
108 82.4 68.6 108.6

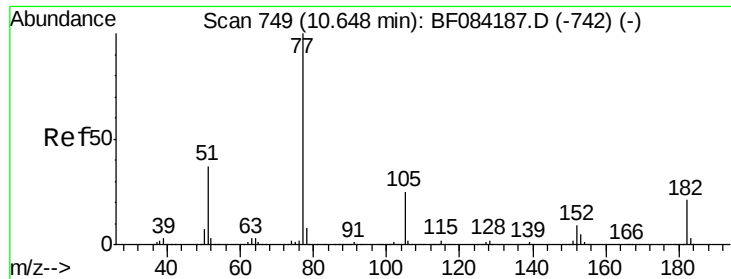


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E





#62

Azobenzene

Concen: 5.57 ng

RT: 10.64 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

Tgt Ion: 77 Resp: 240767

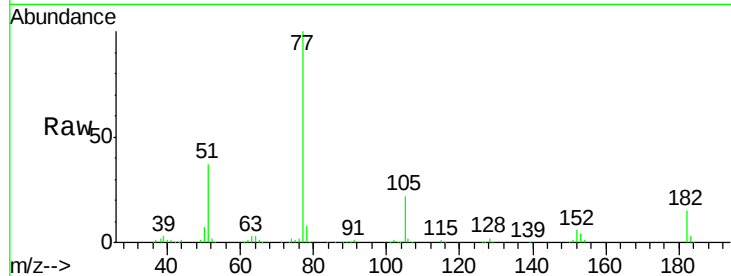
Ion Ratio Lower Upper

77 100

182 15.0 8.3 48.3

105 21.7 4.6 44.6

51 36.8 6.2 46.2

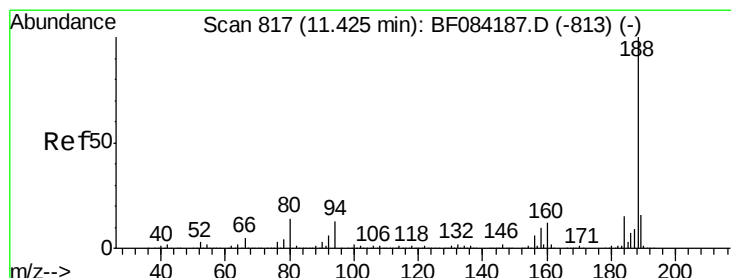
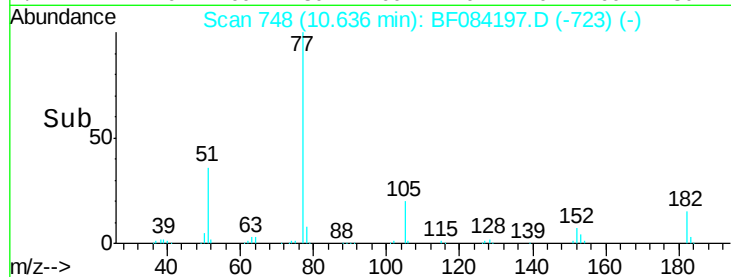
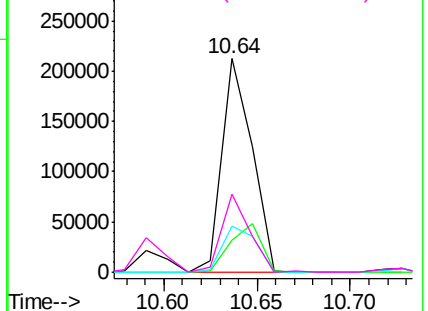


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 11.42 min Scan# 817

Delta R.T. 0.00 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

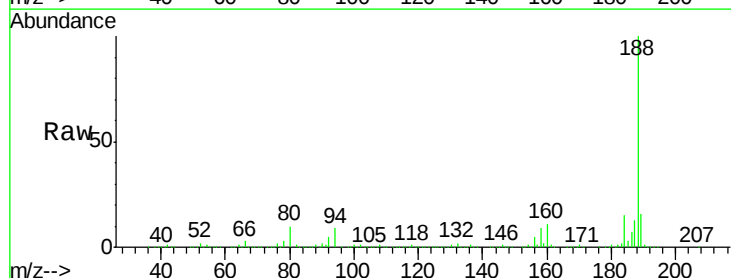
Tgt Ion: 188 Resp: 1096818

Ion Ratio Lower Upper

188 100

94 8.9 9.0 13.4#

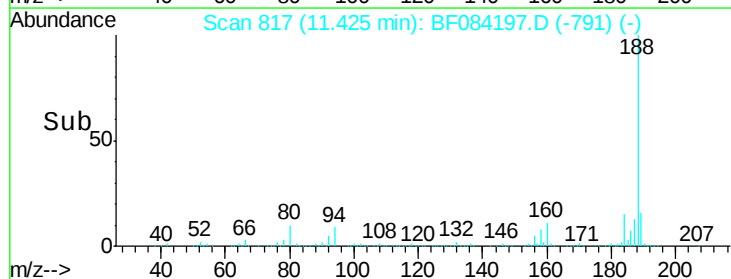
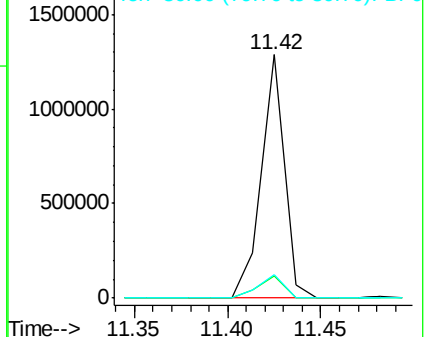
80 9.5 9.6 14.4#

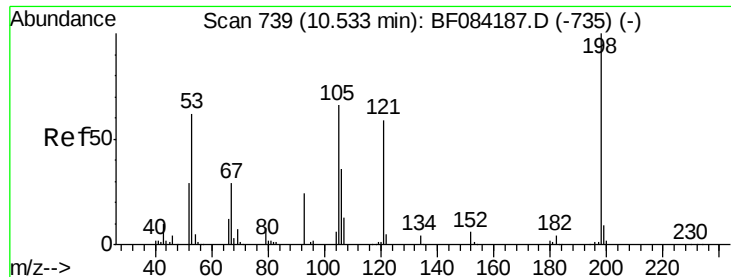


Abundance Ion 188.00 (187.70 to 188.70): E

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: 8.12 ng

RT: 10.52 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

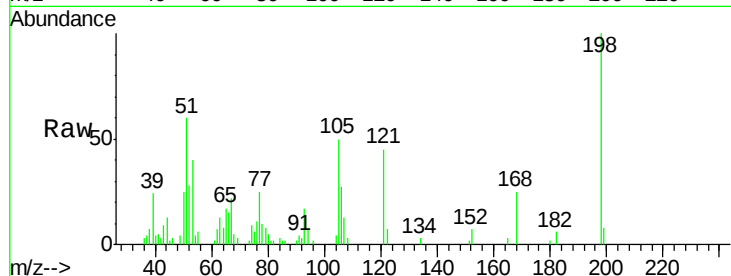
Tgt Ion:198 Resp: 15590

Ion Ratio Lower Upper

198 100

51 60.1 18.9 58.9#

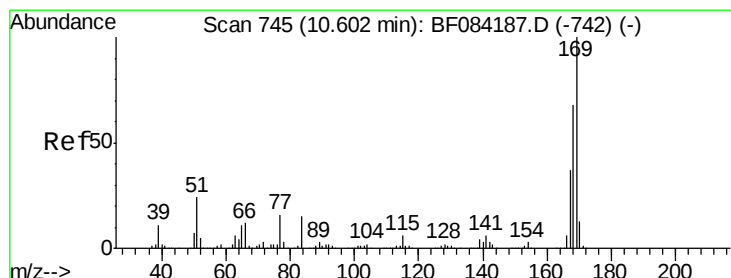
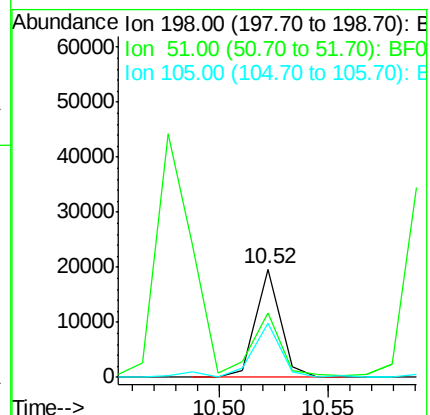
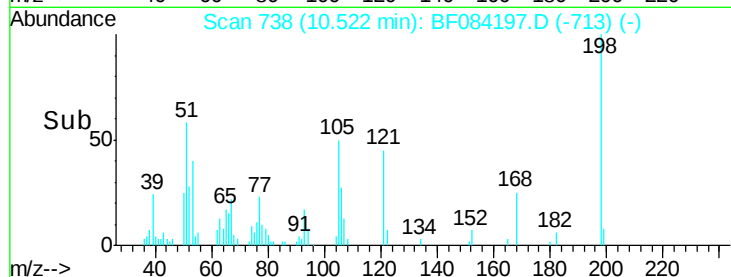
105 49.5 26.4 66.4



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: 5.68 ng

RT: 10.60 min Scan# 745

Delta R.T. 0.00 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

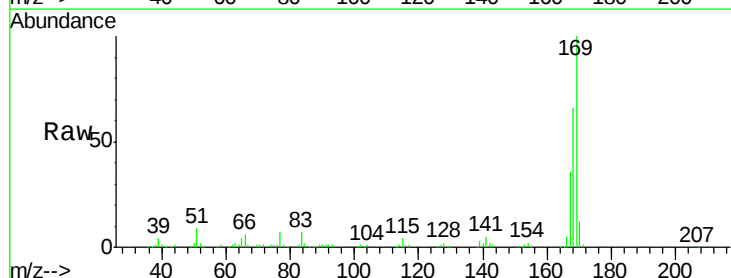
Tgt Ion:169 Resp: 199164

Ion Ratio Lower Upper

169 100

168 65.9 55.1 82.7

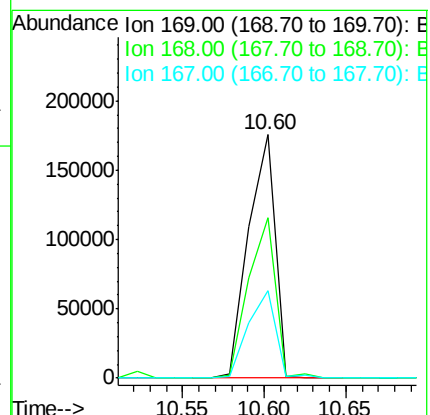
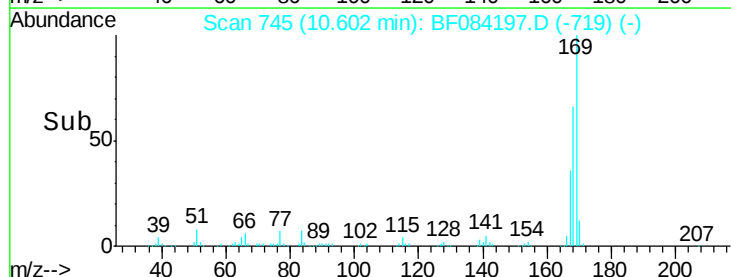
167 36.2 30.0 45.0

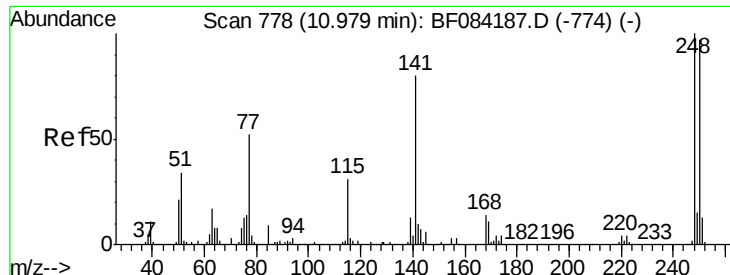


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

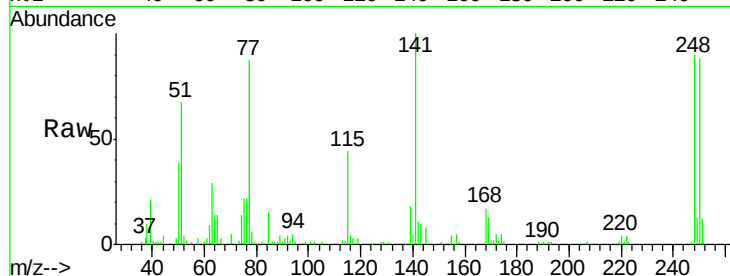




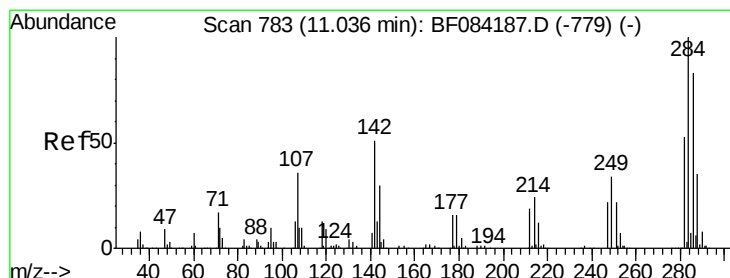
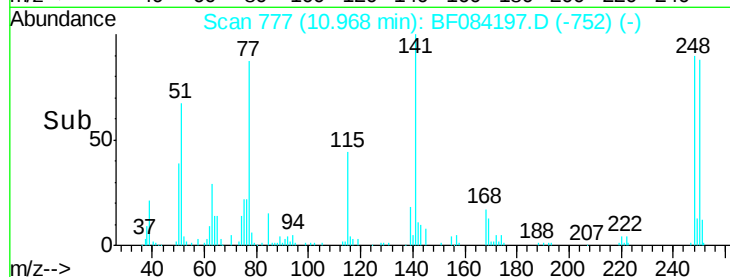
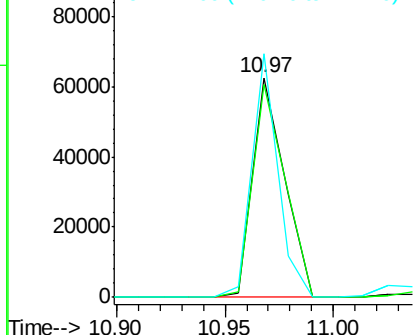
#66
 4-Bromophenyl-phenylether
 Concen: 5.41 ng
 RT: 10.97 min Scan# 777
 Delta R.T. -0.01 min
 Lab File: BF084197.D
 Acq: 31 Dec 2015 16:20

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion:248 Resp: 63819
 Ion Ratio Lower Upper
 248 100
 250 97.1 78.4 117.6
 141 110.8 44.0 66.0#

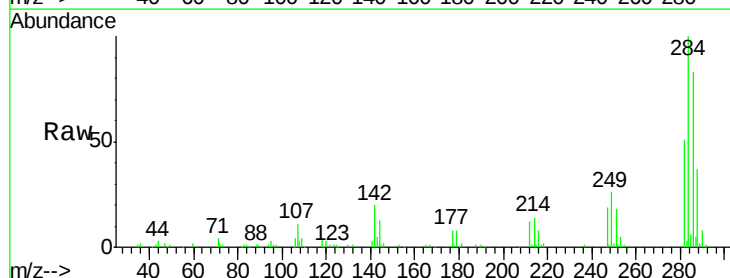


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

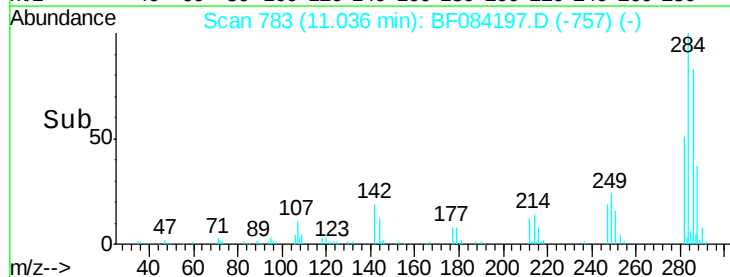
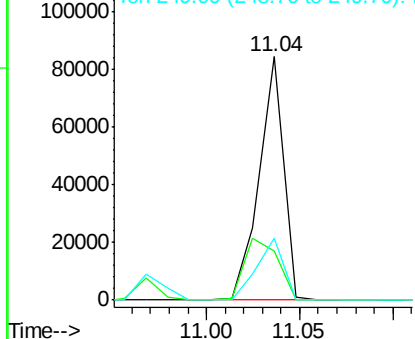


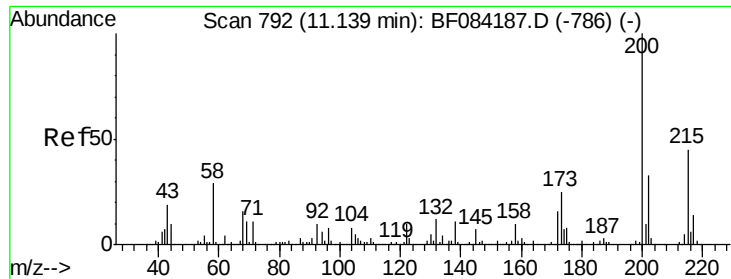
#67
 Hexachlorobenzene
 Concen: 5.74 ng
 RT: 11.04 min Scan# 783
 Delta R.T. 0.00 min
 Lab File: BF084197.D
 Acq: 31 Dec 2015 16:20

Tgt Ion:284 Resp: 76282
 Ion Ratio Lower Upper
 284 100
 142 20.3 22.2 33.4#
 249 25.6 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

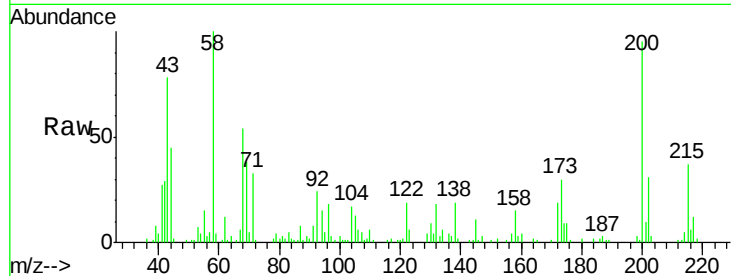




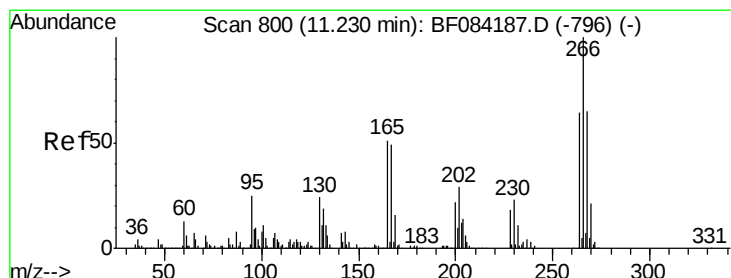
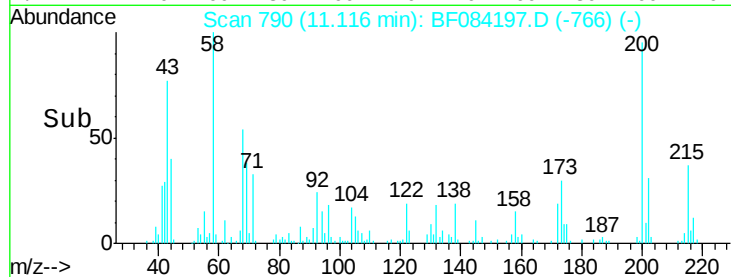
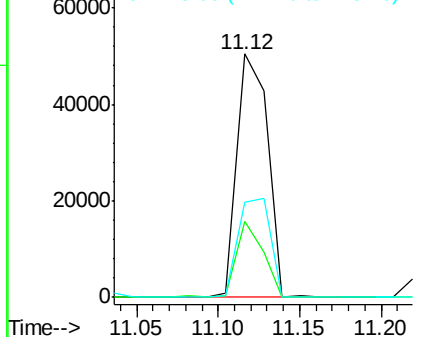
#68
 Atrazine
 Concen: 5.65 ng
 RT: 11.12 min Scan# 790
 Delta R.T. -0.02 min
 Lab File: BF084197.D
 Acq: 31 Dec 2015 16:20

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion:200 Resp: 64825
 Ion Ratio Lower Upper
 200 100
 173 31.4 9.5 49.5
 215 39.1 23.8 63.8

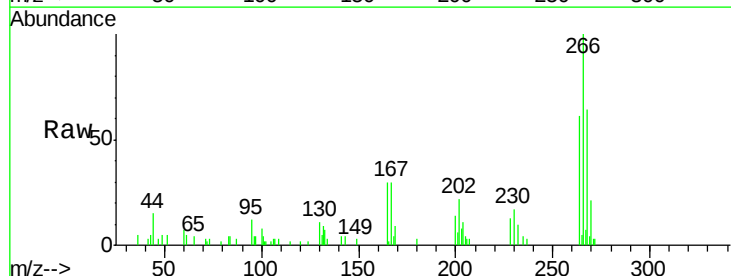


Abundance Ion 200.00 (199.70 to 200.70): E
 Ion 173.00 (172.70 to 173.70): E
 Ion 215.00 (214.70 to 215.70): E

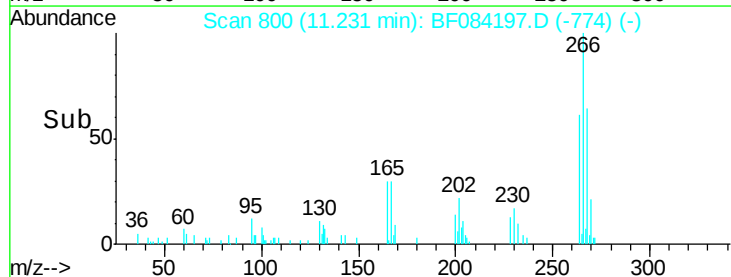
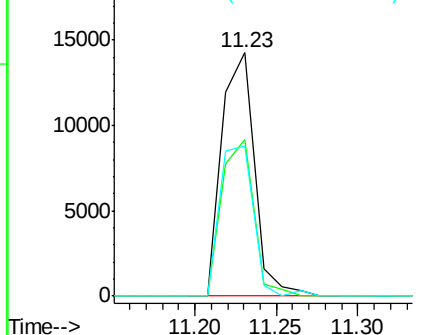


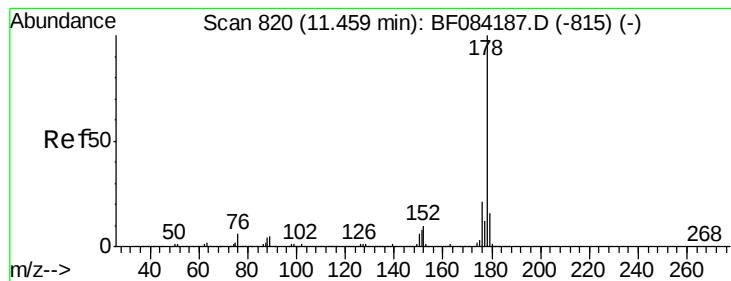
#69
 Pentachlorophenol
 Concen: 2.86 ng
 RT: 11.23 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: BF084197.D
 Acq: 31 Dec 2015 16:20

Tgt Ion:266 Resp: 19678
 Ion Ratio Lower Upper
 266 100
 268 64.5 52.4 78.6
 264 61.5 50.2 75.2



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





#70

Phenanthrene

Concen: 6.91 ng

RT: 11.45 min Scan# 819

Delta R.T. -0.01 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

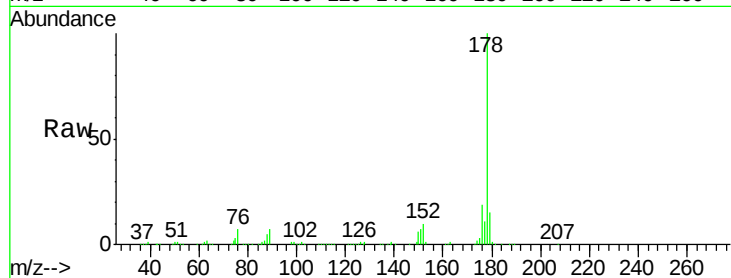
Tgt Ion:178 Resp: 396438

Ion Ratio Lower Upper

178 100

176 18.7 15.3 22.9

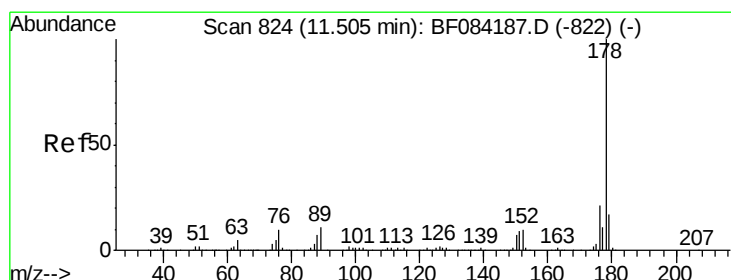
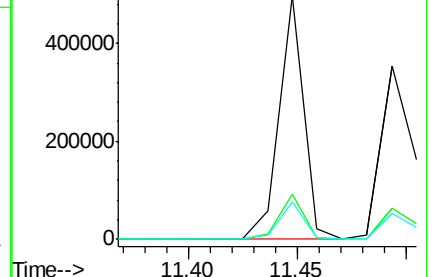
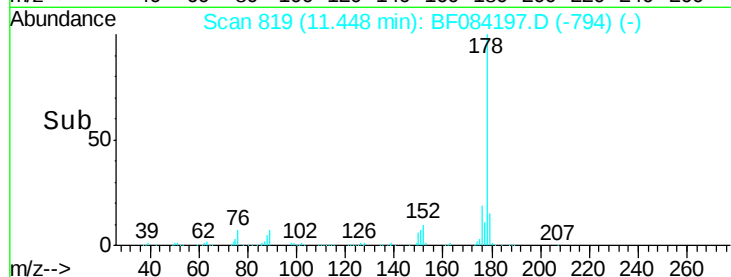
179 15.3 12.0 18.0



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: 6.46 ng

RT: 11.49 min Scan# 823

Delta R.T. -0.01 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

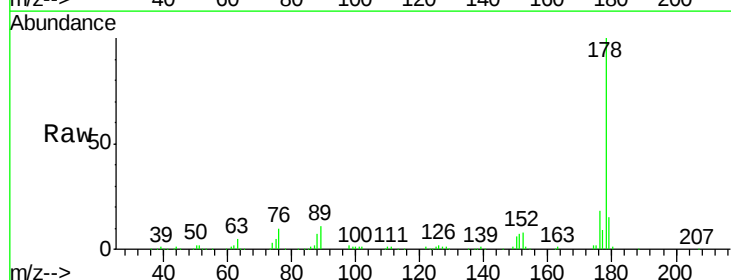
Tgt Ion:178 Resp: 363158

Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.0

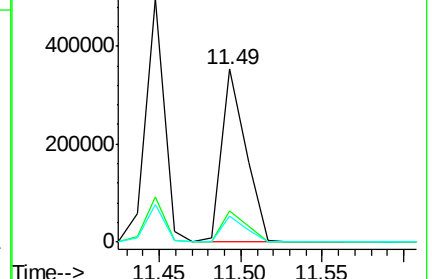
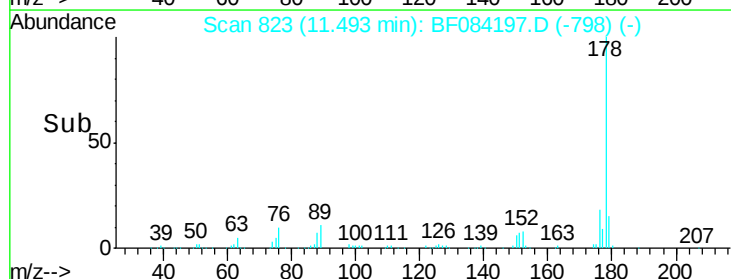
179 14.8 12.5 18.7

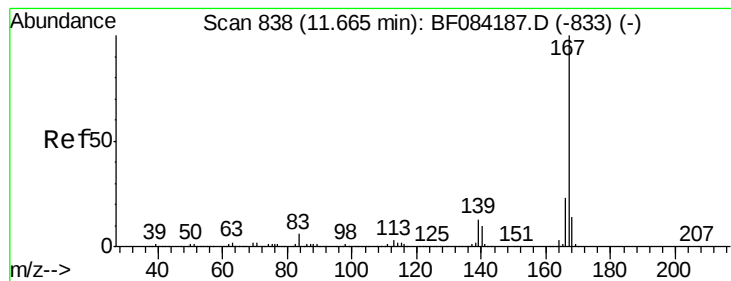


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 6.01 ng

RT: 11.65 min Scan# 837

Delta R.T. -0.01 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

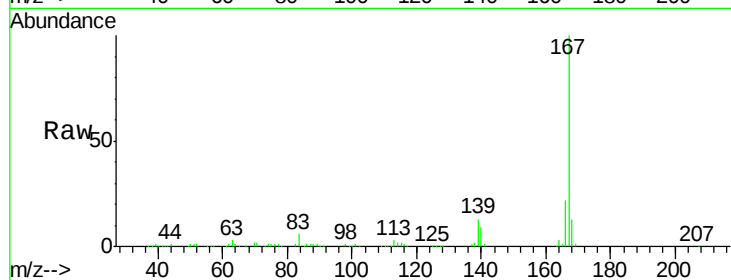
Tgt Ion:167 Resp: 330408

Ion Ratio Lower Upper

167 100

166 21.6 17.6 26.4

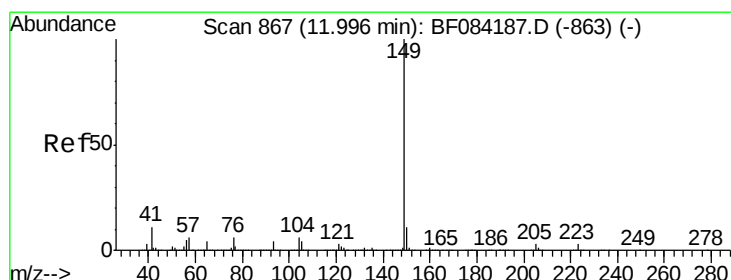
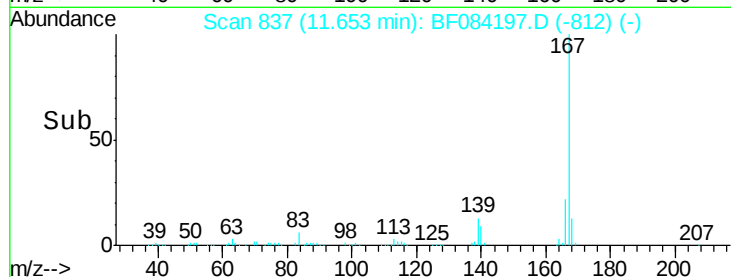
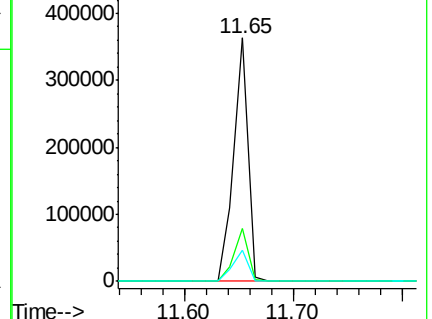
139 12.6 11.8 17.8



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



#73

Di-n-butylphthalate

Concen: 2.49 ng

RT: 12.00 min Scan# 867

Delta R.T. 0.00 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

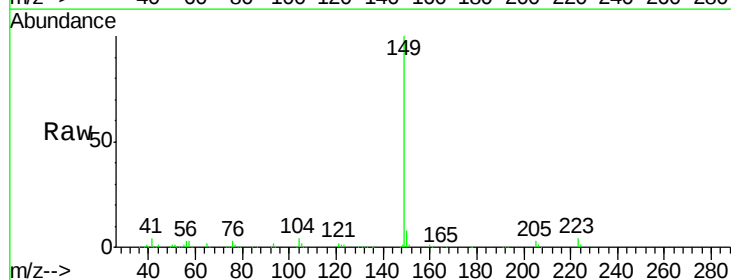
Tgt Ion:149 Resp: 375038

Ion Ratio Lower Upper

149 100

150 8.4 7.1 10.7

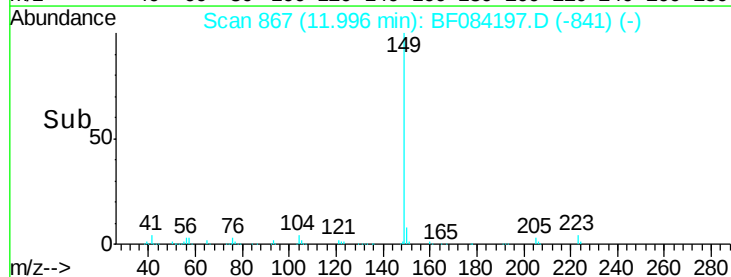
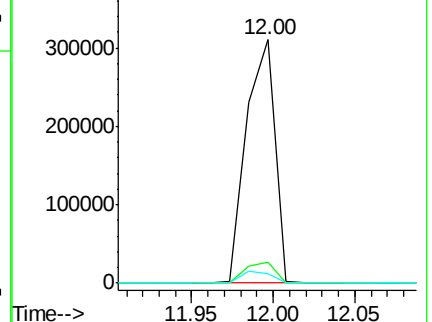
104 4.0 3.2 4.8

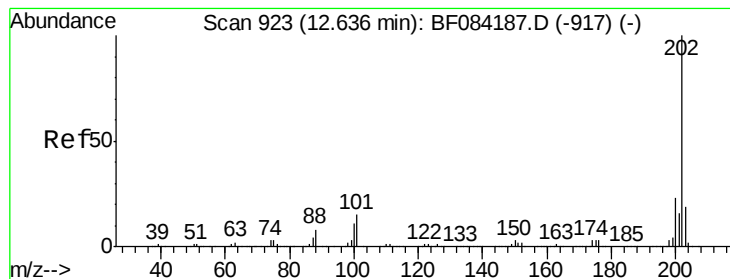


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 6.04 ng

RT: 12.64 min Scan# 923

Delta R.T. 0.00 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

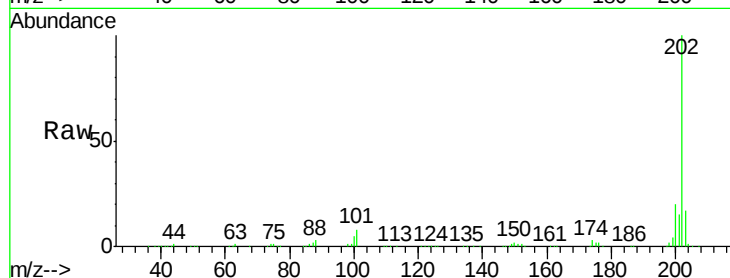
Tgt Ion:202 Resp: 361879

Ion Ratio Lower Upper

202 100

101 7.5 0.0 32.8

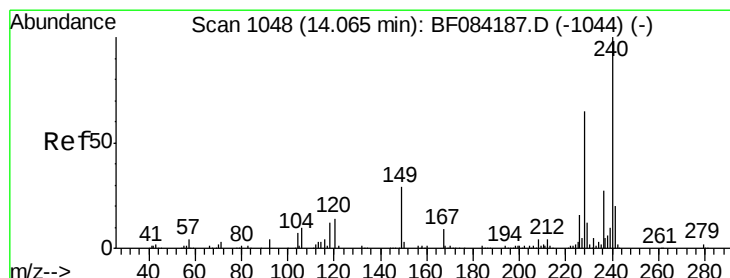
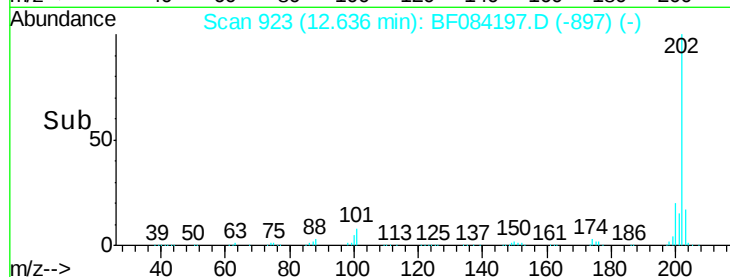
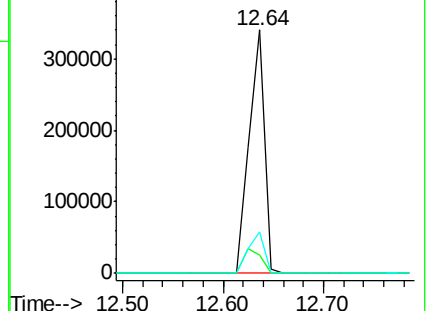
203 16.9 0.0 37.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.05 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

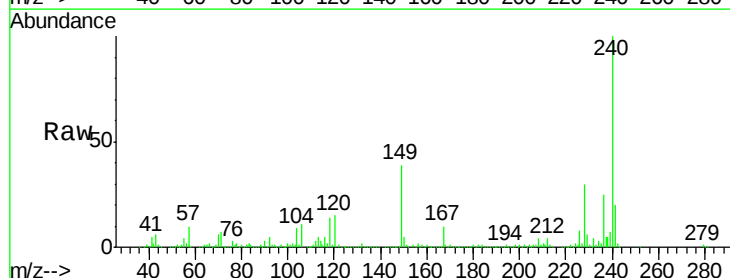
Tgt Ion:240 Resp: 816382

Ion Ratio Lower Upper

240 100

120 15.3 9.5 14.3#

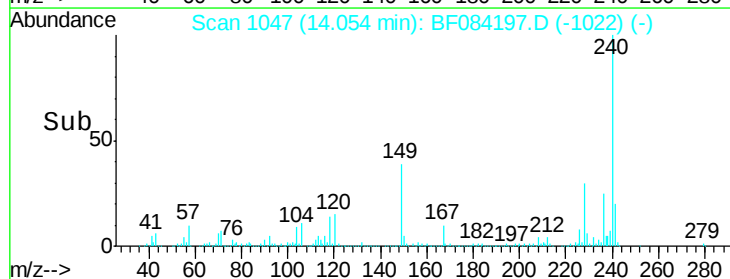
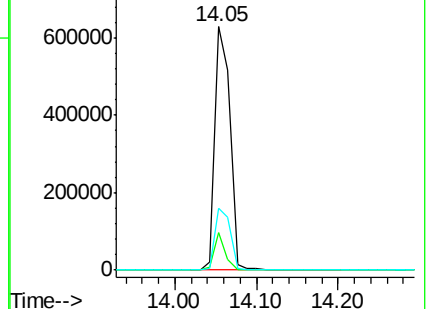
236 25.2 20.6 31.0

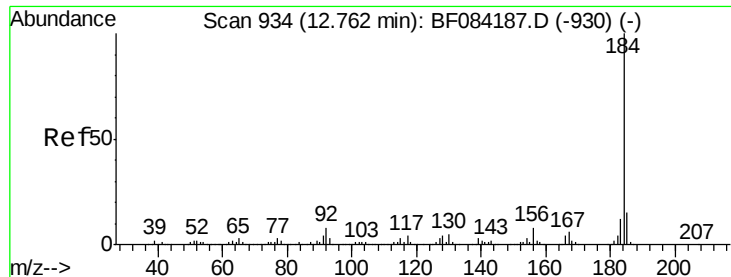


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 3.23 ng

RT: 12.75 min Scan# 933

Delta R.T. -0.01 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

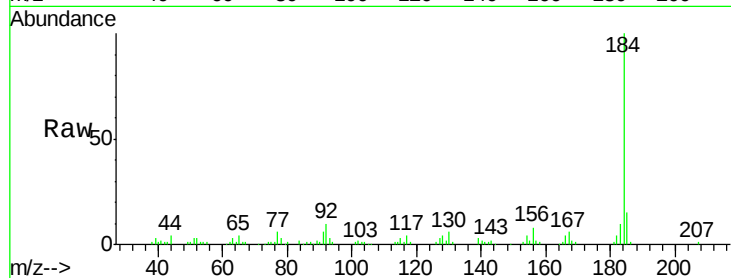
Tgt Ion:184 Resp: 94657

Ion Ratio Lower Upper

184 100

185 15.4 12.2 18.2

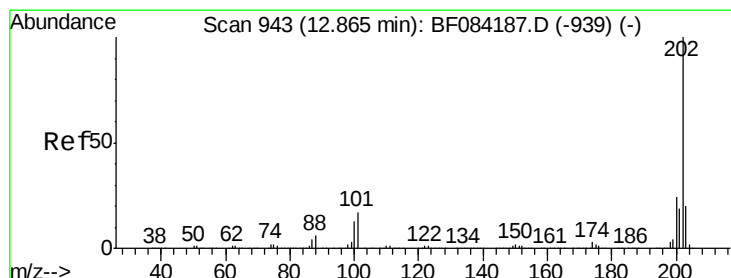
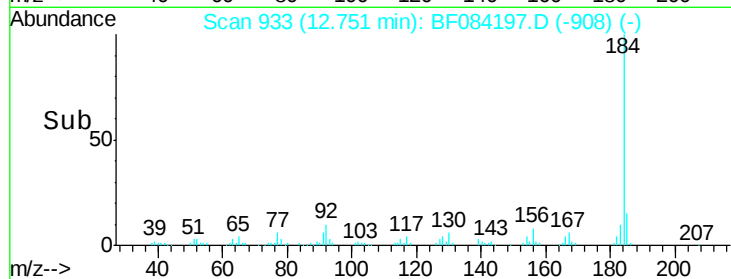
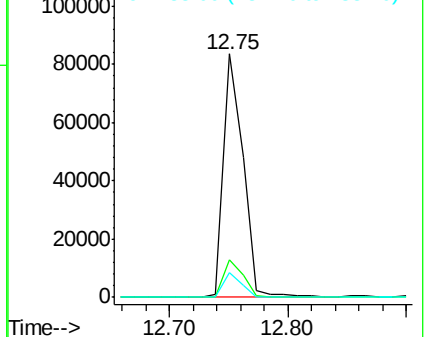
183 10.3 9.8 14.8



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: 5.90 ng

RT: 12.87 min Scan# 943

Delta R.T. 0.00 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

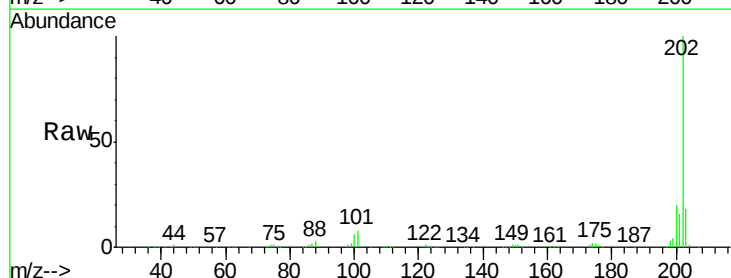
Tgt Ion:202 Resp: 378003

Ion Ratio Lower Upper

202 100

200 20.1 17.2 25.8

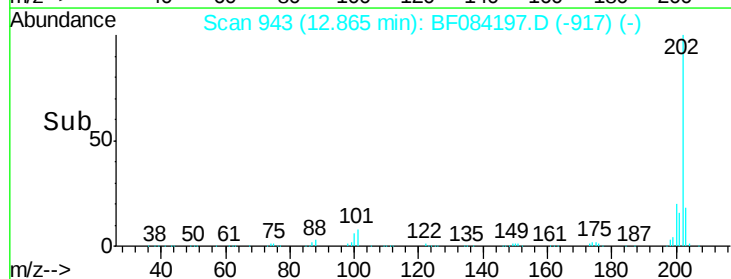
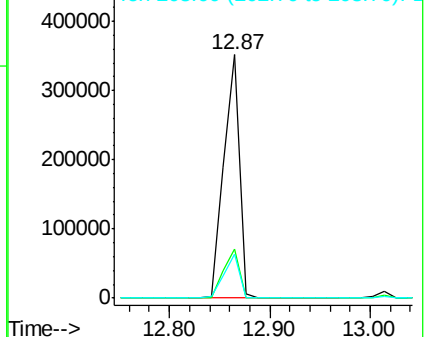
203 17.8 14.3 21.5

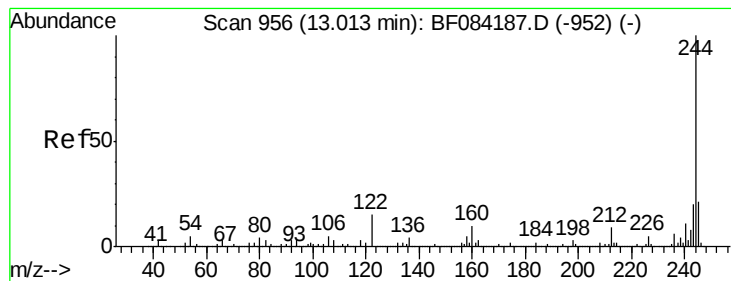


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 61.73 ng

RT: 13.01 min Scan# 956

Delta R.T. 0.00 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

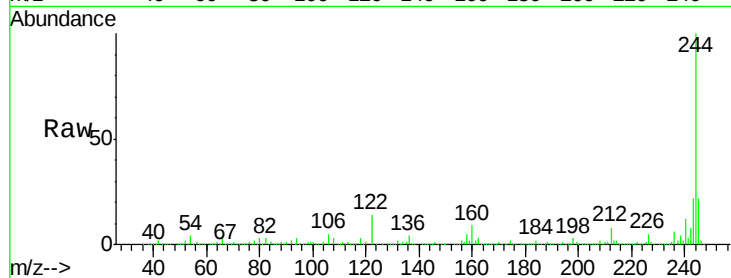
Tgt Ion:244 Resp: 2257673

Ion Ratio Lower Upper

244 100

212 8.3 5.7 8.5

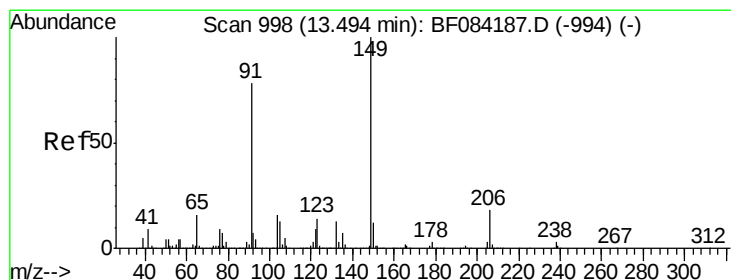
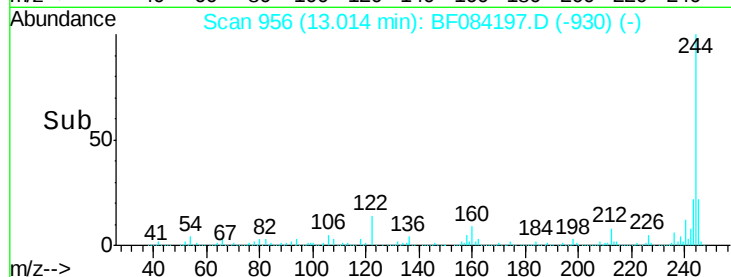
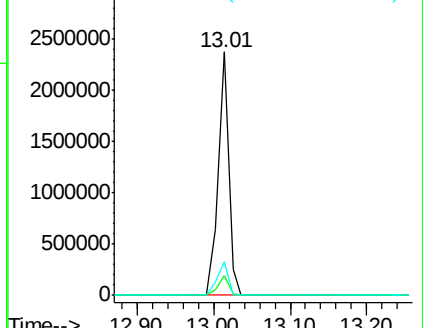
122 13.6 7.4 11.0#



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: 5.25 ng

RT: 13.48 min Scan# 997

Delta R.T. -0.01 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

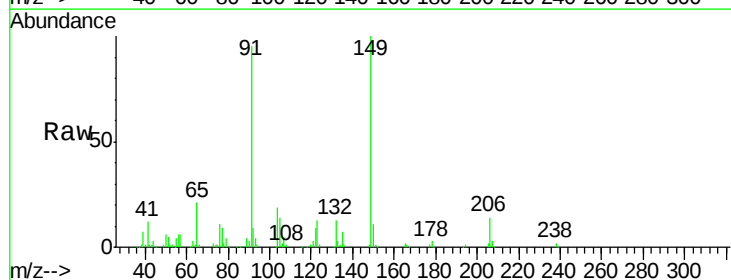
Tgt Ion:149 Resp: 145506

Ion Ratio Lower Upper

149 100

91 95.4 57.6 86.4#

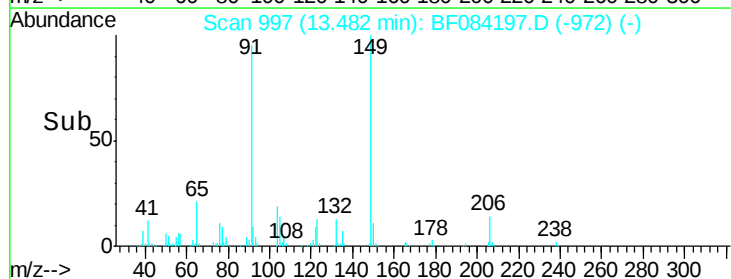
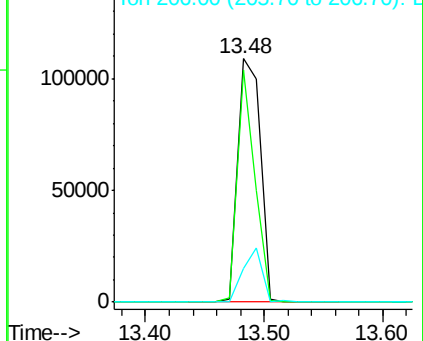
206 13.8 13.2 19.8

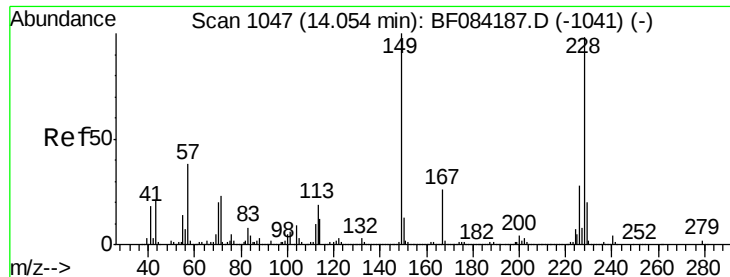


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 5.96 ng

RT: 14.04 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

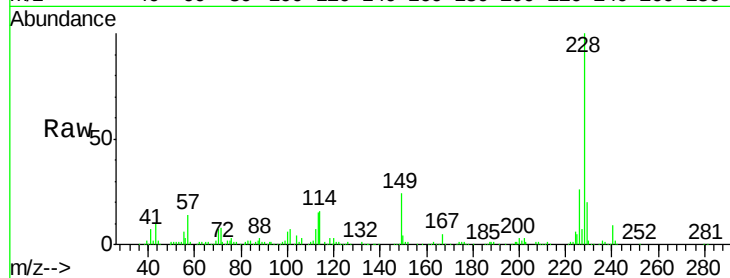
Tgt Ion:228 Resp: 285719

Ion Ratio Lower Upper

228 100

226 26.5 21.8 32.6

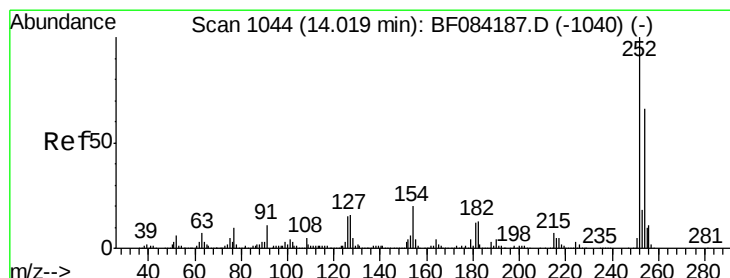
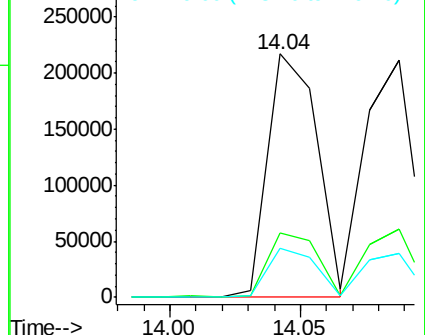
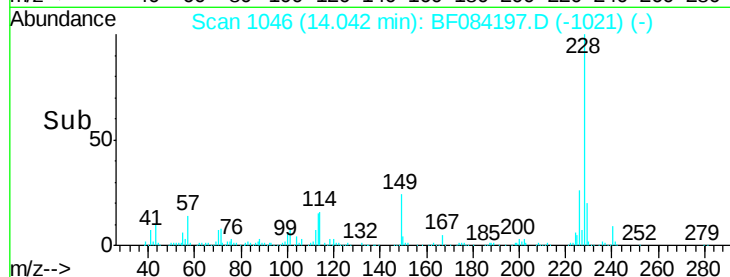
229 20.2 15.8 23.8



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: 3.19 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

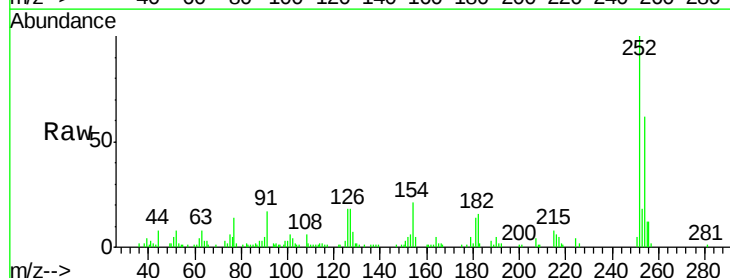
Tgt Ion:252 Resp: 53292

Ion Ratio Lower Upper

252 100

254 62.3 53.5 80.3

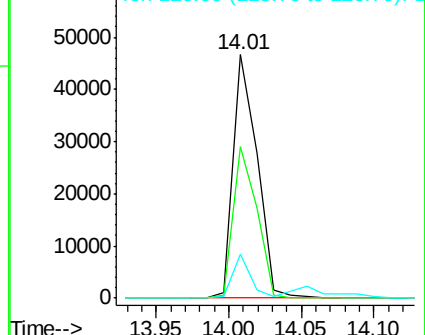
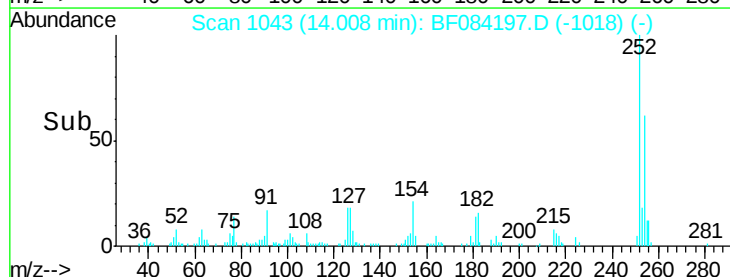
126 17.8 4.9 7.3#

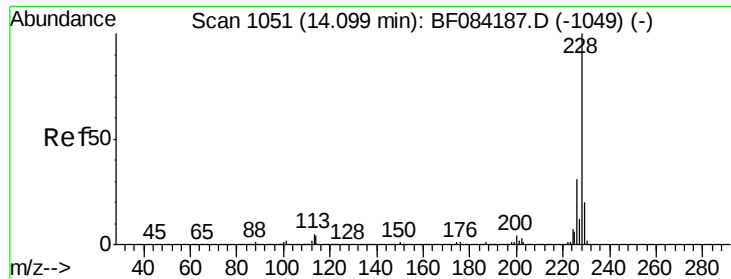


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 5.84 ng

RT: 14.09 min Scan# 1050

Delta R.T. -0.01 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

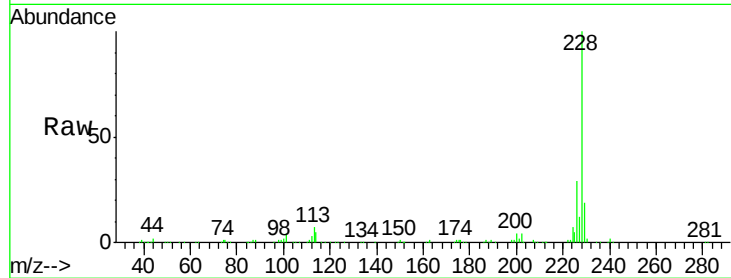
Tgt Ion:228 Resp: 268834

Ion Ratio Lower Upper

228 100

226 29.0 24.3 36.5

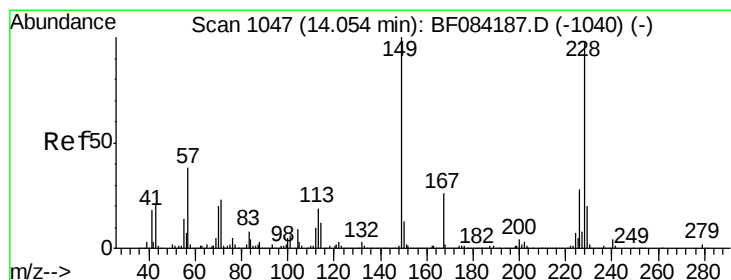
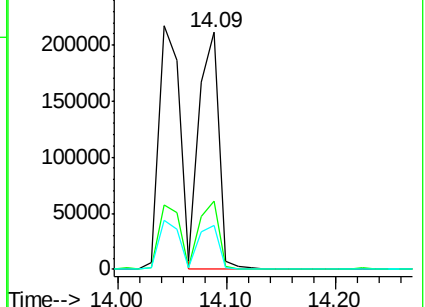
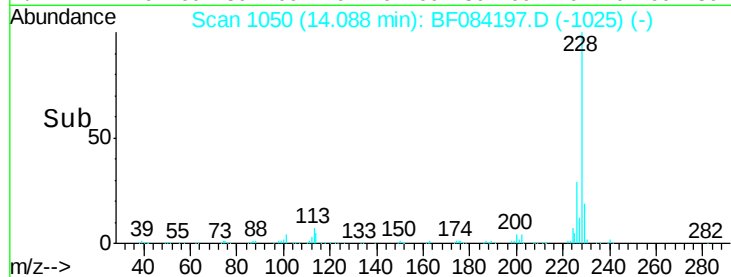
229 18.8 16.1 24.1



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: 6.09 ng

RT: 14.05 min Scan# 1047

Delta R.T. 0.00 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

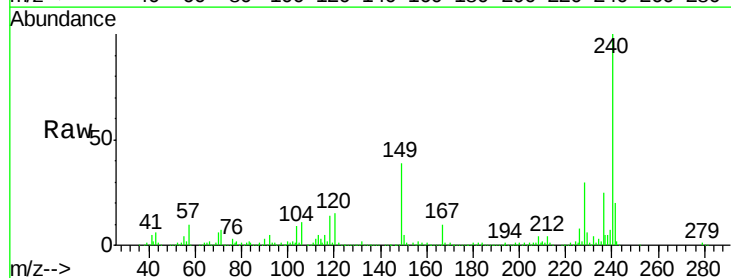
Tgt Ion:149 Resp: 213356

Ion Ratio Lower Upper

149 100

167 26.4 19.7 29.5

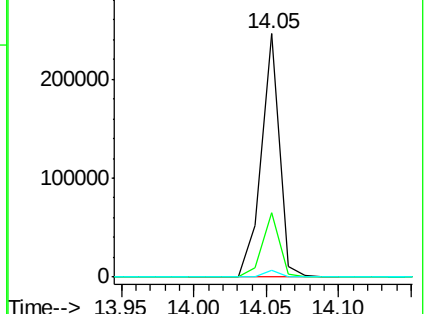
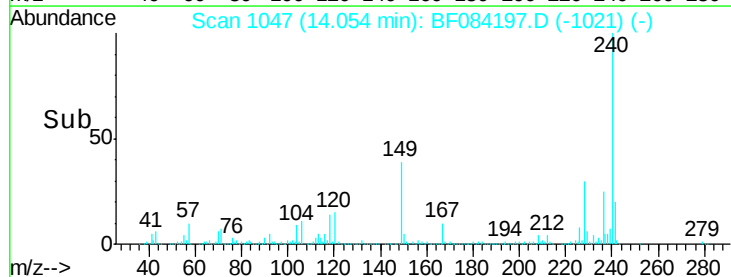
279 2.7 1.8 2.6#

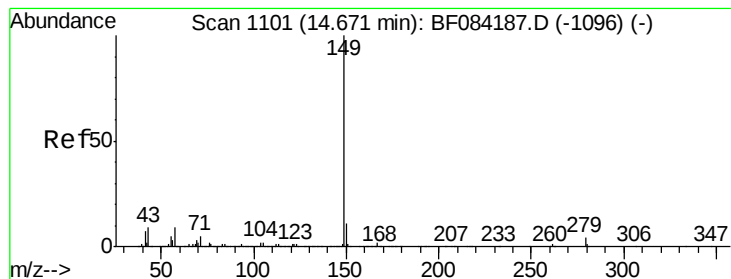


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 5.17 ng

RT: 14.66 min Scan# 1100

Delta R.T. -0.01 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

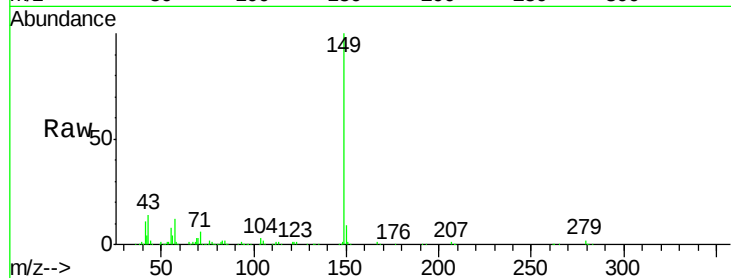
Tgt Ion:149 Resp: 305765

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

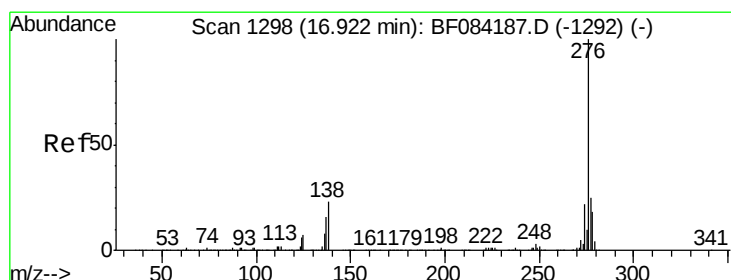
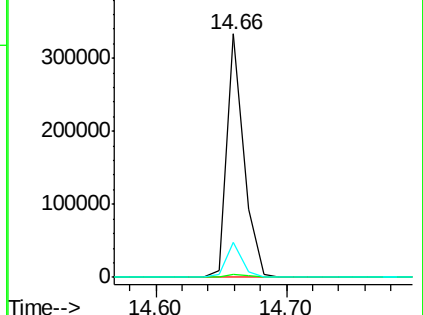
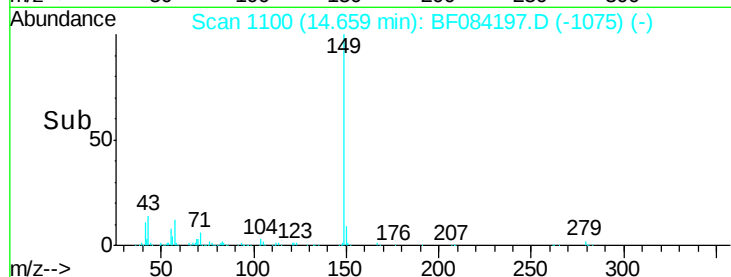
43 12.9 5.6 8.4#



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 5.30 ng

RT: 16.91 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

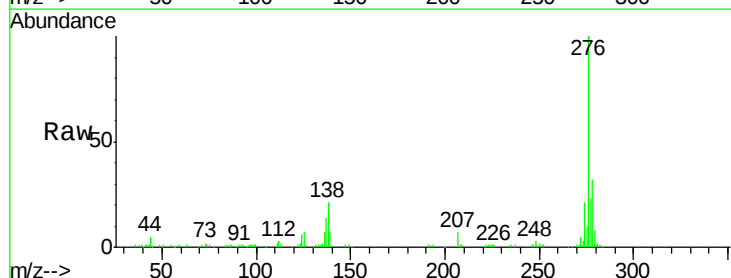
Tgt Ion:276 Resp: 193674

Ion Ratio Lower Upper

276 100

138 25.4 20.6 30.8

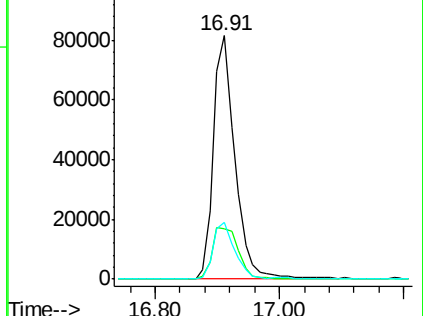
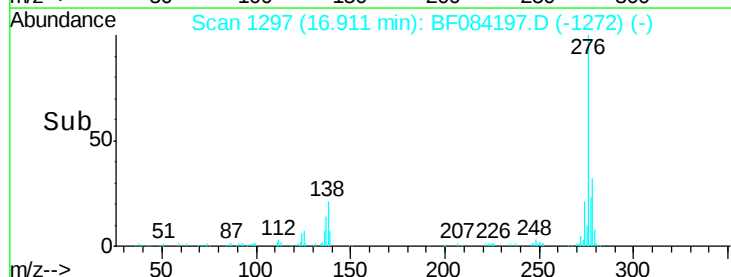
277 23.6 20.1 30.1

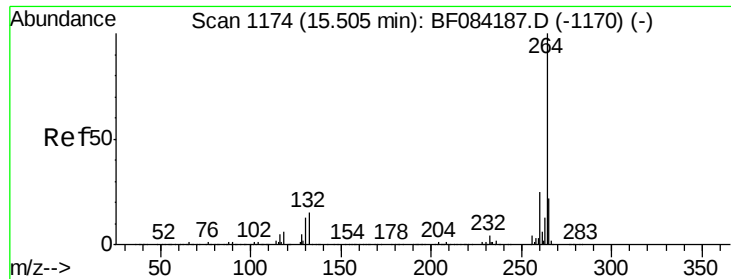


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

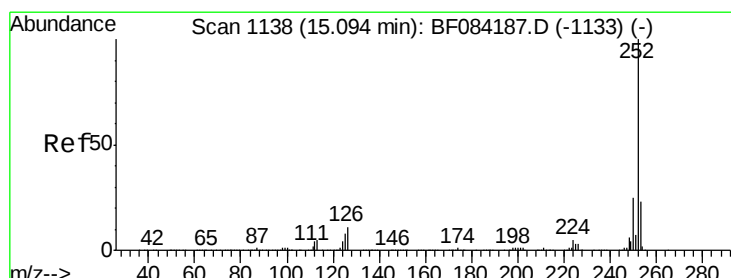
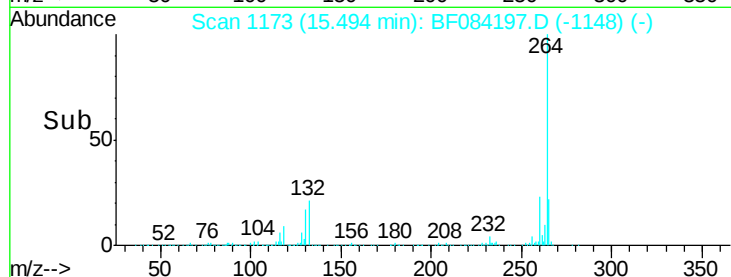
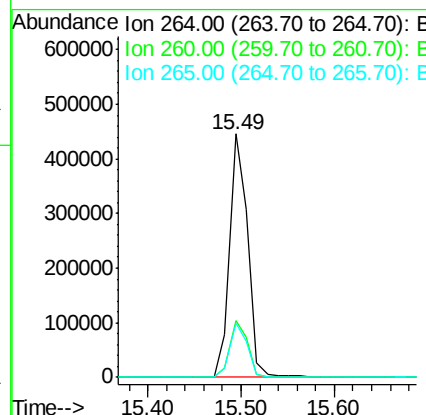
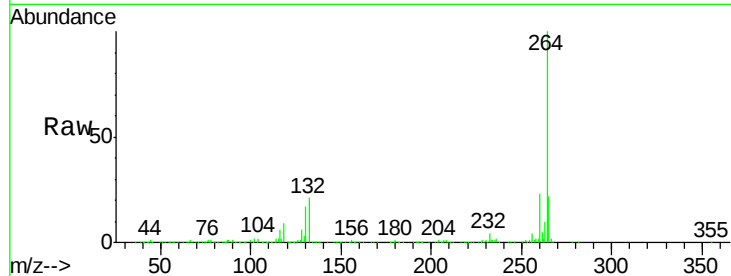




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 1173
Delta R.T. -0.01 min
Lab File: BF084197.D
Acq: 31 Dec 2015 16:20

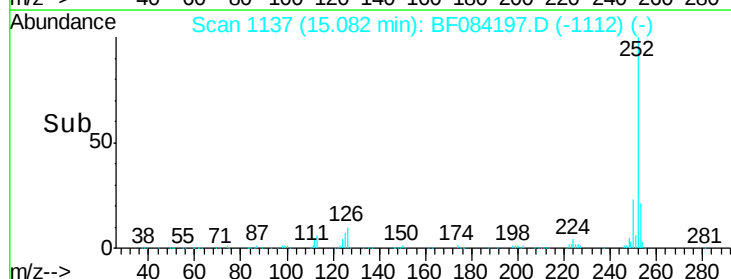
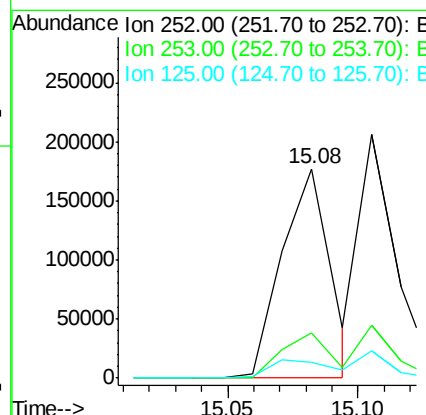
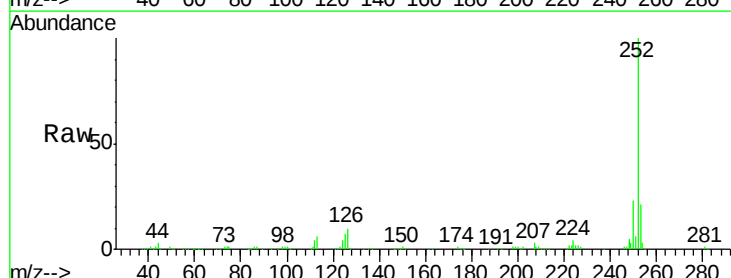
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

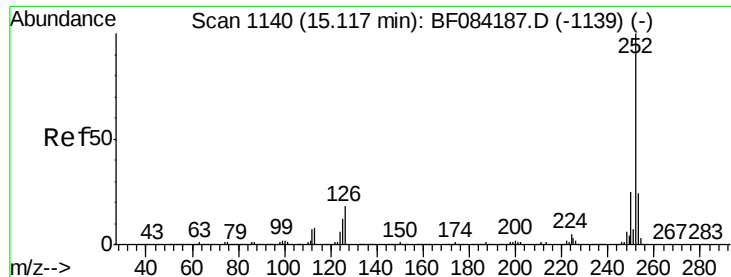
Tgt Ion:264 Resp: 601917
Ion Ratio Lower Upper
264 100
260 23.4 19.4 29.2
265 22.4 17.8 26.6



#87
Benzo(b)fluoranthene
Concen: 5.75 ng
RT: 15.08 min Scan# 1137
Delta R.T. -0.01 min
Lab File: BF084197.D
Acq: 31 Dec 2015 16:20

Tgt Ion:252 Resp: 226230
Ion Ratio Lower Upper
252 100
253 21.4 17.3 25.9
125 7.5 6.5 9.7





#88

Benzo(k)fluoranthene

Concen: 7.03 ng

RT: 15.08 min Scan# 1137

Delta R.T. -0.03 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

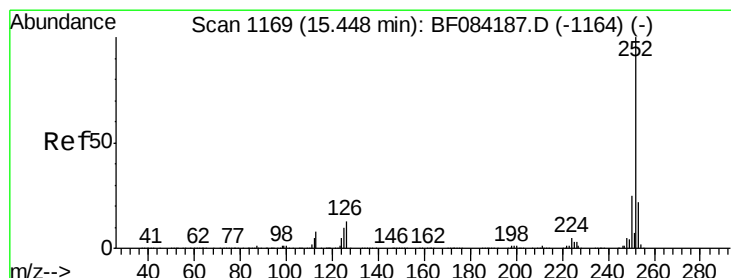
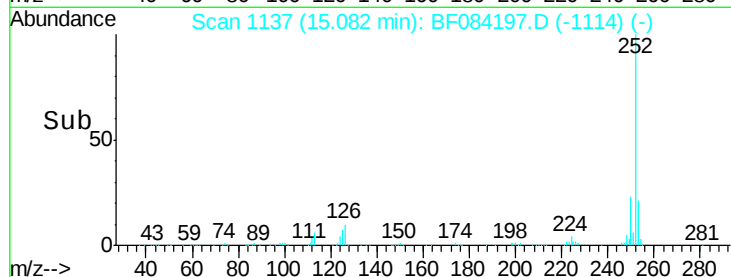
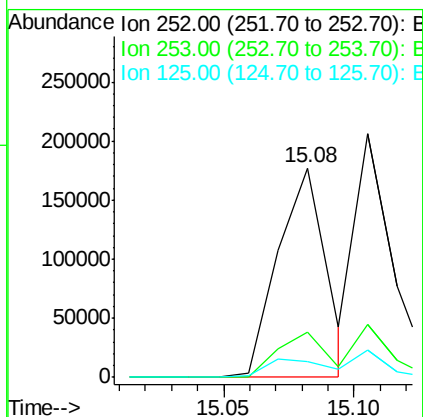
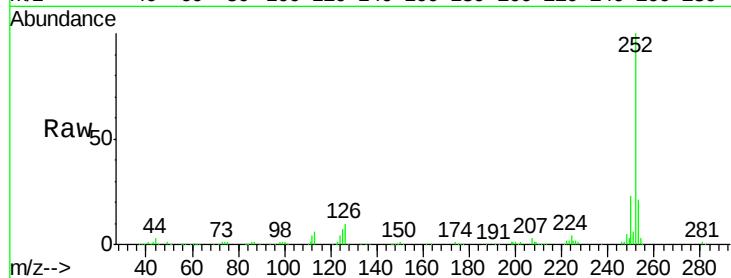
Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

Tgt Ion:	252	Resp:	226230
Ion Ratio	Lower	Upper	
252	100		
253	21.4	18.1	27.1
125	7.5	9.0	13.6#



#89

Benzo(a)pyrene

Concen: 5.69 ng

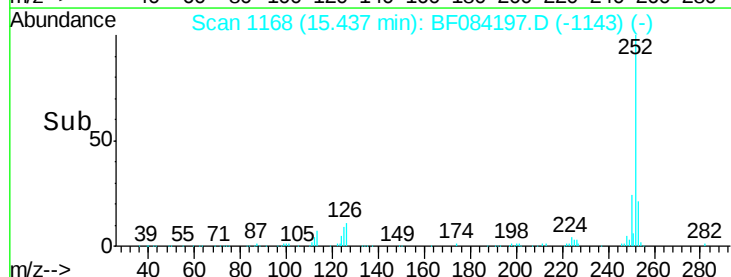
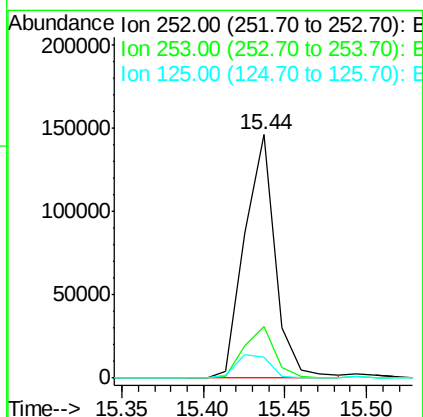
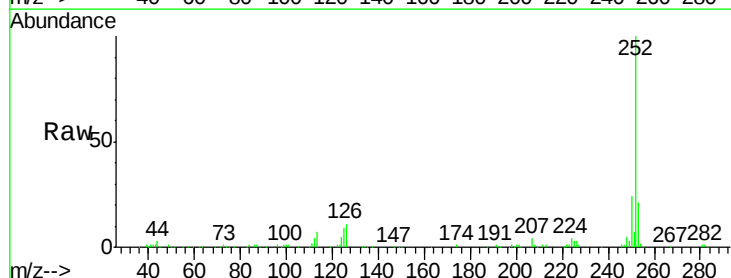
RT: 15.44 min Scan# 1168

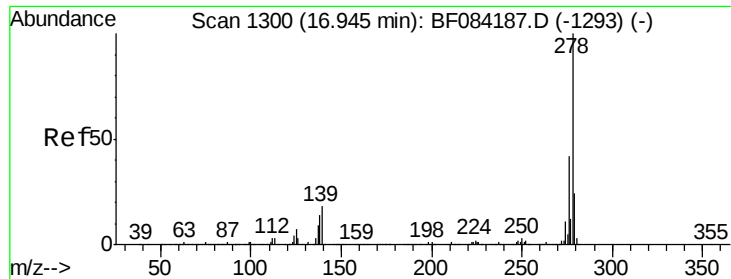
Delta R.T. -0.01 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

Tgt Ion:	252	Resp:	190109
Ion Ratio	Lower	Upper	
252	100		
253	21.3	17.3	25.9
125	8.7	7.0	10.4





#90

Dibenzo(a,h)anthracene

Concen: 5.61 ng

RT: 16.93 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

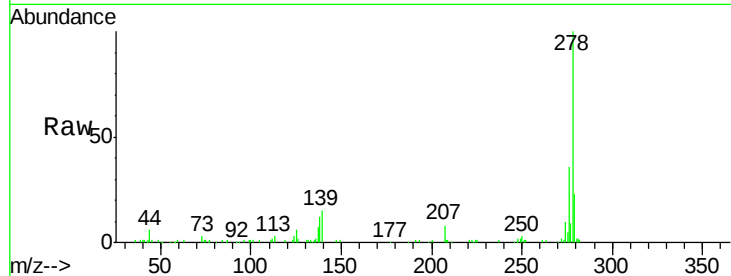
Tgt Ion:278 Resp: 161324

Ion Ratio Lower Upper

278 100

139 15.0 15.0 22.4

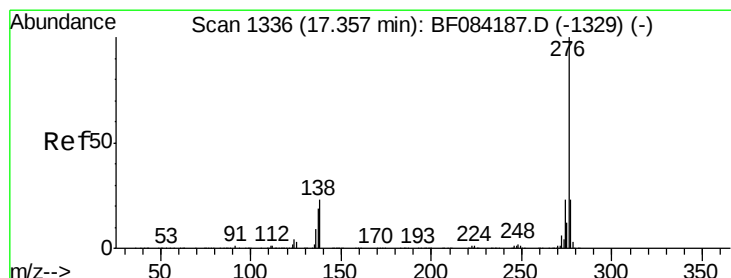
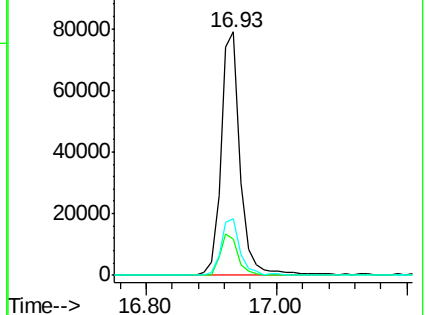
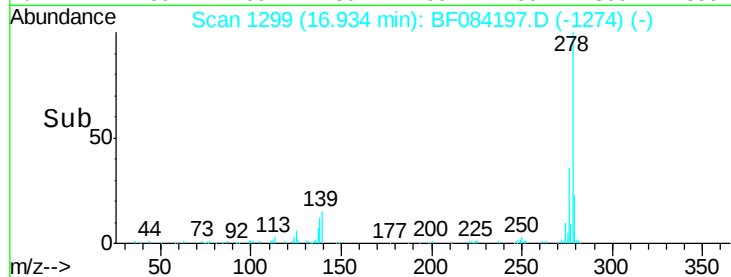
279 23.2 18.9 28.3



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 5.52 ng

RT: 17.33 min Scan# 1334

Delta R.T. -0.02 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

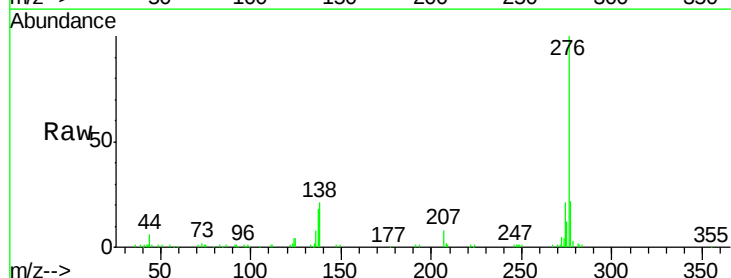
Tgt Ion:276 Resp: 164243

Ion Ratio Lower Upper

276 100

277 22.5 18.8 28.2

138 21.1 17.8 26.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

