

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040216\
 Data File : BF085981.D
 Acq On : 2 Apr 2016 00:39
 Operator : UM/SJ
 Sample : H1824-03
 Misc : LOD 5PPM
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Quant Time: Apr 02 01:14:14 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	102098	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	409635	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	190751	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	378102	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	346569	20.00	ng	0.00
86) Perylene-d12	15.33	264	289867	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	766843	128.38	ng	0.00
7) Phenol-d6	6.42	99	1019626	134.39	ng	0.00
23) Nitrobenzene-d5	7.34	82	617713	88.93	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	279215	155.95	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	1105745	96.38	ng	0.00
78) Terphenyl-d14	12.88	244	1063393	72.13	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.38	88	10353	3.66	ng	96
4) n-Nitrosodimethylamine	3.13	42	5892	2.11	ng	# 92
6) Aniline	6.44	93	31386	3.15	ng	# 89
8) 2-Chlorophenol	6.56	128	31104	4.37	ng	96
9) Benzaldehyde	6.34	77	24551	6.01	ng	97
10) Phenol	6.43	94	32773	3.79	ng	92
11) bis(2-Chloroethyl)ether	6.51	93	30579	4.46	ng	95
12) 1,3-Dichlorobenzene	6.72	146	32343	4.28	ng	# 96
13) 1,4-Dichlorobenzene	6.80	146	32203	4.14	ng	96
14) 1,2-Dichlorobenzene	6.94	146	29369	4.10	ng	98
15) Benzyl Alcohol	6.92	79	28271	5.76	ng	# 51
16) 2,2'-oxybis(1-Chloropropan	7.06	45	35048	4.19	ng	85
17) 2-Methylphenol	7.05	107	25348	4.51	ng	# 89
18) Hexachloroethane	7.28	117	11065	3.87	ng	# 79
19) n-Nitroso-di-n-propylamine	7.18	70	21001	4.47	ng	# 86
20) 3+4-Methylphenols	7.21	107	30616	4.48	ng	# 70
22) Acetophenone	7.20	105	41056	4.26	ng	# 91
24) Nitrobenzene	7.36	77	33408	4.40	ng	99
25) Isophorone	7.60	82	59496	4.34	ng	99
26) 2-Nitrophenol	7.69	139	13267	3.65	ng	95
27) 2,4-Dimethylphenol	7.72	122	27805	4.26	ng	99
28) bis(2-Chloroethoxy)methane	7.81	93	37030	4.60	ng	98
29) 2,4-Dichlorophenol	7.94	162	21574	3.91	ng	96
30) 1,2,4-Trichlorobenzene	8.01	180	24385	3.93	ng	# 91
31) Naphthalene	8.08	128	92269	4.48	ng	98
33) 4-Chloroaniline	8.14	127	29643	3.56	ng	96
34) Hexachlorobutadiene	8.20	225	12746	3.83	ng	97
35) Caprolactam	8.48	113	5699	3.25	ng	93
36) 4-Chloro-3-methylphenol	8.62	107	26553	4.28	ng	98
37) 2-Methylnaphthalene	8.77	142	60757	4.51	ng	97
39) 1,2,4,5-Tetrachlorobenzene	8.94	216	23135	4.04	ng	98
40) Hexachlorocyclopentadiene	8.92	237	1765	6.54	ng	90
42) 2,4,6-Trichlorophenol	9.06	196	14246	3.87	ng	99
43) 2,4,5-Trichlorophenol	9.10	196	15487	4.14	ng	# 87

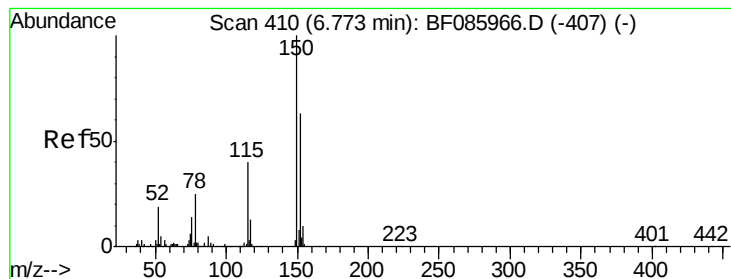
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040216\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1'-Biphenyl	9.23	154	72393	4.40	nq	96
46) 2-Chloronaphthalene	9.26	162	50372	4.22	nq	98
47) 2-Nitroaniline	9.37	65	13223	3.79	nq	95
48) Acenaphthylene	9.66	152	83895	4.39	nq	98
49) Dimethylphthalate	9.53	163	59241	4.19	nq	# 98
50) 2,6-Dinitrotoluene	9.60	165	12064	4.03	nq	86
51) Acenaphthene	9.84	154	51335	4.52	nq	97
52) 3-Nitroaniline	9.78	138	12942	3.59	nq	93
53) 2,4-Dinitrophenol	9.92	184	1168	3.04	nq	# 70
54) Dibenzofuran	10.02	168	75344	5.02	nq	98
55) 4-Nitrophenol	10.02	139	37803	17.79	nq	# 15
56) 2,4-Dinitrotoluene	10.02	165	15107	4.00	nq	# 49
57) Fluorene	10.35	166	60634	4.73	nq	98
58) 2,3,4,6-Tetrachlorophenol	10.14	232	11664	4.19	nq	# 97
59) Diethylphthalate	10.24	149	59718	4.18	nq	98
60) 4-Chlorophenyl-phenylether	10.35	204	29322	4.91	nq	91
61) 4-Nitroaniline	10.38	138	14037	3.95	nq	92
62) Azobenzene	10.51	77	63538	4.65	nq	98
65) n-Nitrosodiphenylamine	10.46	169	53059	4.49	nq	99
66) 4-Bromophenyl-phenylether	10.84	248	15710	4.07	nq	93
67) Hexachlorobenzene	10.91	284	15874	3.98	nq	94
68) Atrazine	10.99	200	15876	4.16	nq	95
69) Pentachlorophenol	11.12	266	4200	2.24	nq	99
70) Phenanthrene	11.31	178	95291	4.62	nq	99
71) Anthracene	11.37	178	100572	4.65	nq	97
72) Carbazole	11.53	167	88605	4.77	nq	98
73) Di-n-butylphthalate	11.86	149	92177	4.01	nq	98
74) Fluoranthene	12.50	202	92871	4.33	nq	96
77) Pvrene	12.73	202	100496	4.11	nq	99
79) Butylbenzylphthalate	13.35	149	35918	3.27	nq	# 71
80) Benzo(a)anthracene	13.92	228	86648	4.24	nq	98
82) Chrysene	13.95	228	76248	3.87	nq	98
83) Bis(2-ethylhexyl)phthalate	13.91	149	55840	3.83	nq	99
84) Di-n-octyl phthalate	14.51	149	79687	3.42	nq	98
85) Indeno(1,2,3-cd)pvrene	16.69	276	60892	3.81	nq	98
87) Benzo(b)fluoranthene	14.93	252	144227	7.91	nq	97
88) Benzo(k)fluoranthene	14.93	252	144227	8.93	nq	98
89) Benzo(a)pyrene	15.28	252	66244	4.10	nq	97
90) Dibenzo(a,h)anthracene	16.69	278	49339	3.80	nq	99
91) Benzo(g,h,i)perylene	17.09	276	48735	3.87	nq	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.77 min Scan# 410

Delta R.T. 0.00 min

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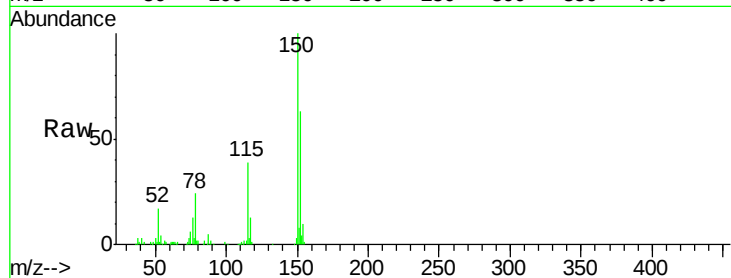
Tot Ion:152 Resp: 102098

Ion Ratio Lower Upper

152 100

150 159.2 124.2 186.2

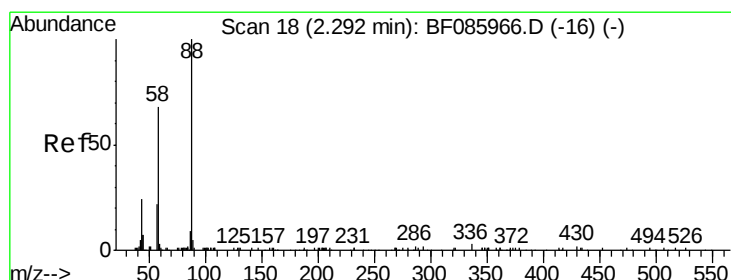
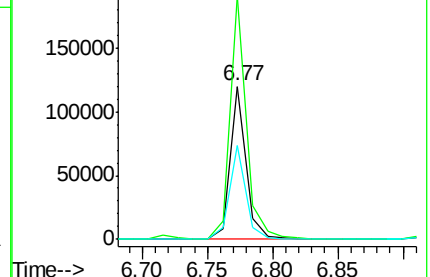
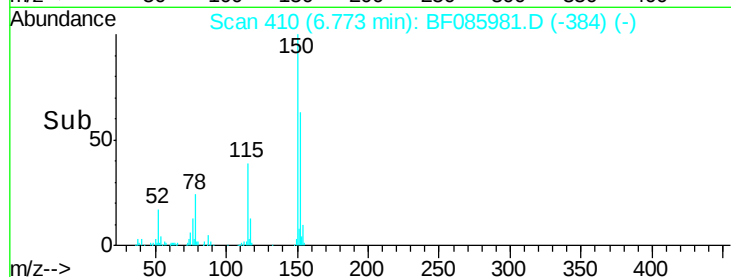
115 61.5 47.0 70.6



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: 3.66 ng

RT: 2.38 min Scan# 26

Delta R.T. 0.09 min

Lab File: BF085981.D

Acq: 2 Apr 2016 00:39

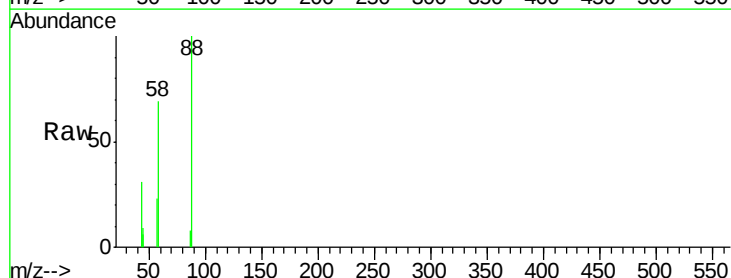
Tgt Ion: 88 Resp: 10353

Ion Ratio Lower Upper

88 100

58 69.6 54.2 81.2

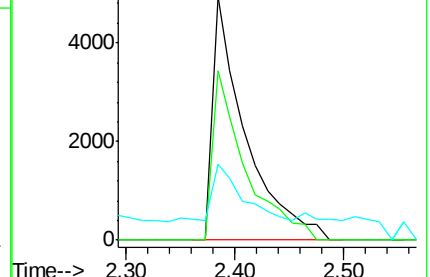
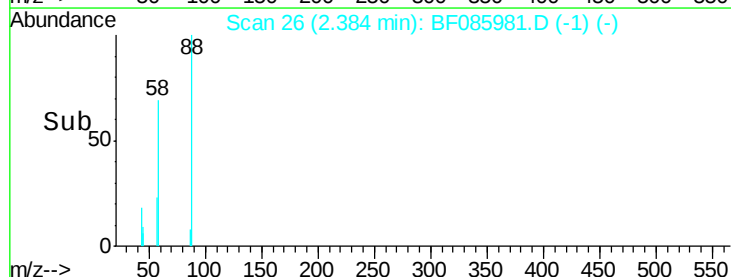
43 20.3 19.3 28.9

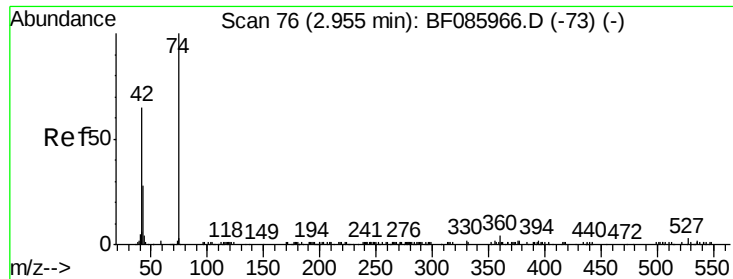


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#4

n-Nitrosodimethylamine

Concen: 2.11 ng

RT: 3.13 min Scan# 91

Delta R.T. 0.17 min

Lab File: BF085981.D

Acq: 2 Apr 2016 00:39

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LOD-SOIL2016-01

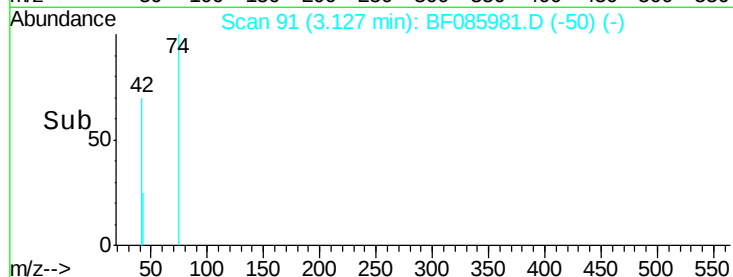
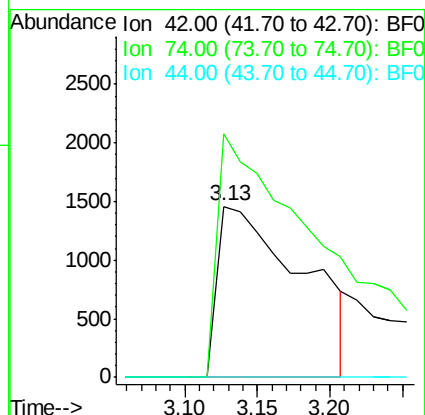
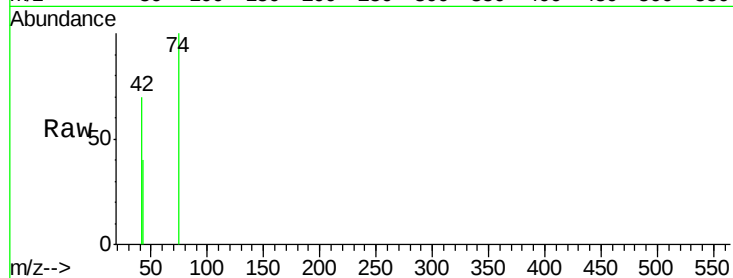
Tot Ion: 42 Resp: 5892

Ion Ratio Lower Upper

42 100

74 142.3 121.4 182.2

44 0.0 5.6 8.4#



#5

2-Fluorophenol

Concen: 128.38 ng

RT: 5.37 min Scan# 287

Delta R.T. 0.00 min

Lab File: BF085981.D

Acq: 2 Apr 2016 00:39

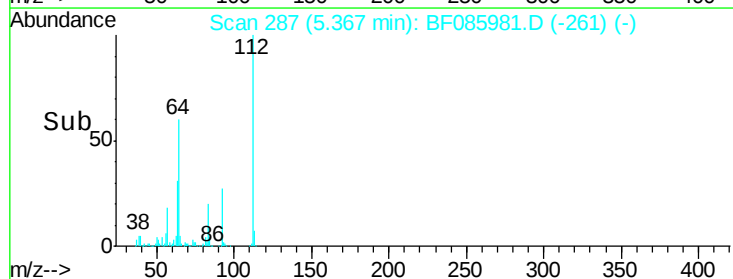
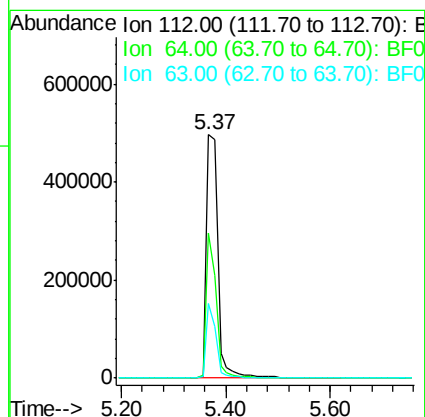
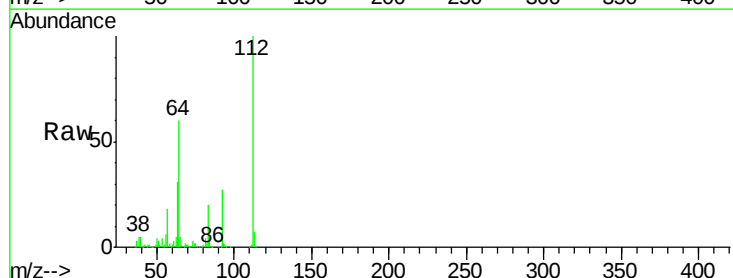
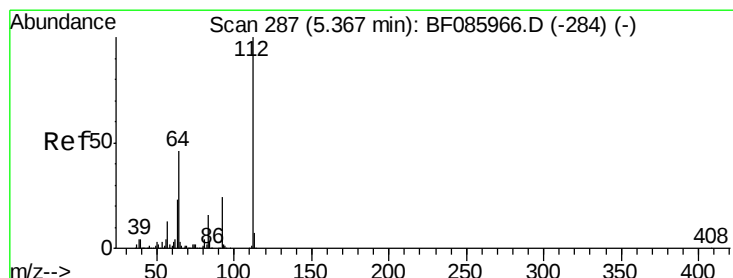
Tgt Ion: 112 Resp: 766843

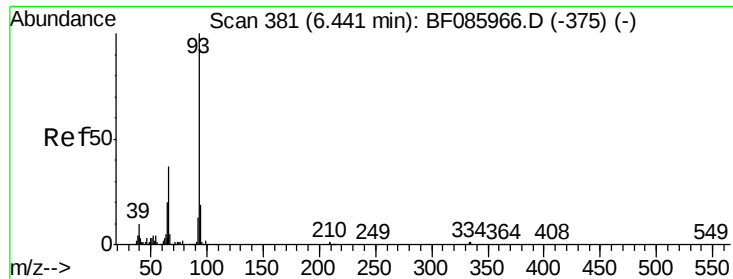
Ion Ratio Lower Upper

112 100

64 59.6 39.9 59.9

63 30.6 20.2 30.2#





#6

Aniline

Concen: 3.15 ng

RT: 6.44 min Scan# 381

Delta R.T. 0.00 min

Lab File: BF085981.D

Acq: 2 Apr 2016 00:39

Instrument :

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ClientSampleId :

LOD-SOIL2016-01

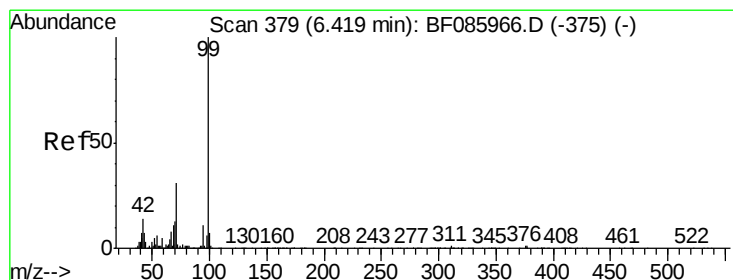
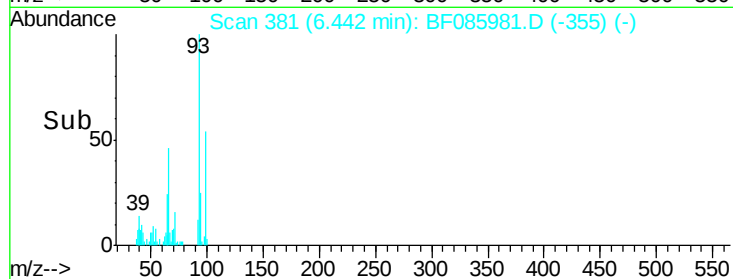
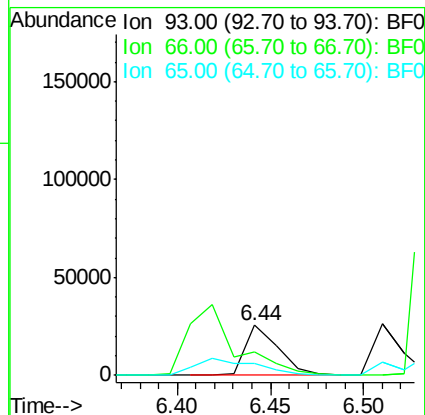
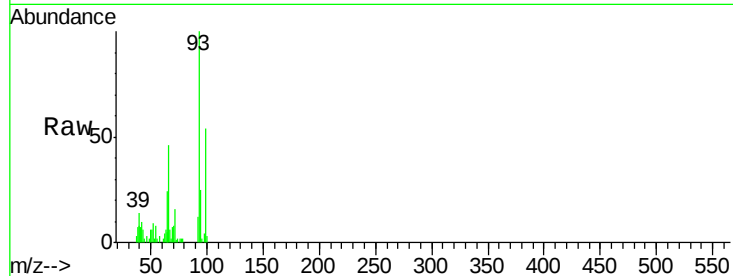
Tot Ion: 93 Resp: 31386

Ion Ratio Lower Upper

93 100

66 45.9 31.4 47.2

65 24.2 15.7 23.5#



#7

Phenol-d6

Concen: 134.39 ng

RT: 6.42 min Scan# 379

Delta R.T. 0.00 min

Lab File: BF085981.D

Acq: 2 Apr 2016 00:39

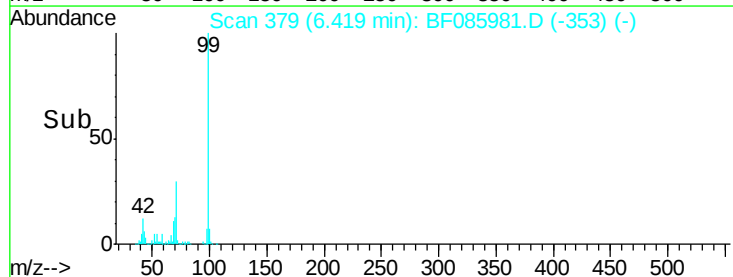
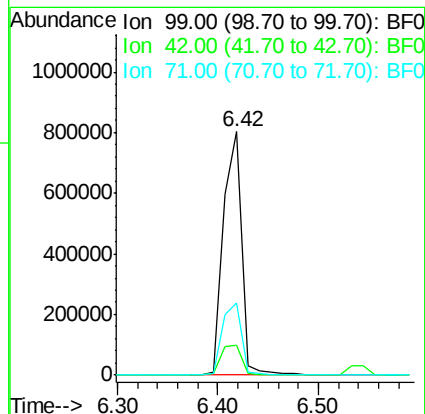
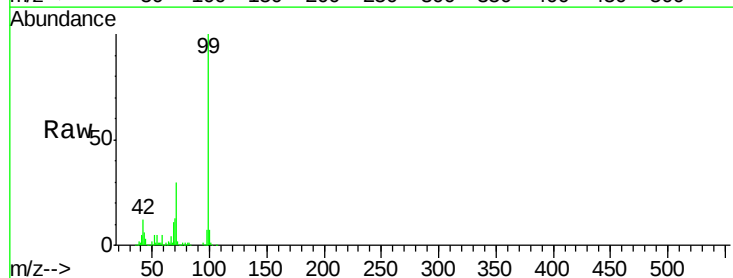
Tgt Ion: 99 Resp: 1019626

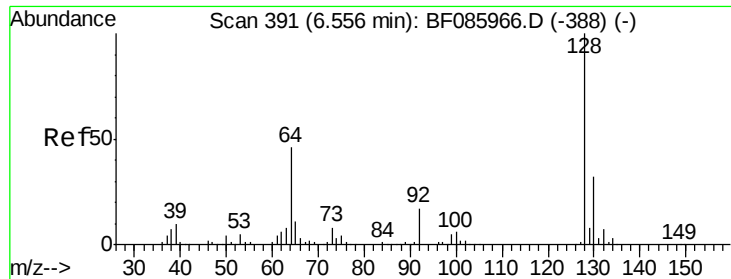
Ion Ratio Lower Upper

99 100

42 12.0 11.1 16.7

71 29.7 24.9 37.3





#8

2-Chlorophenol

Concen: 4.37 ng

RT: 6.56 min Scan# 391

Delta R.T. 0.00 min

Lab File: BF085981.D

Acq: 2 Apr 2016 00:39

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

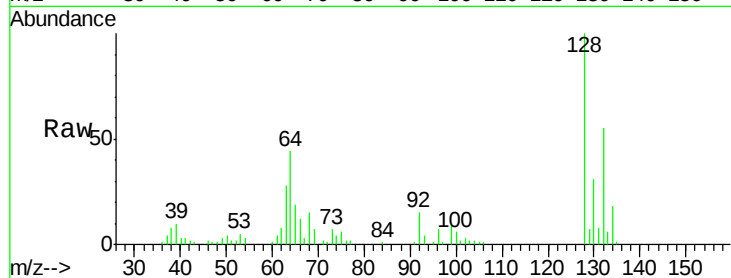
Tot Ion:128 Resp: 31104

Ion Ratio Lower Upper

128 100

130 31.4 12.9 52.9

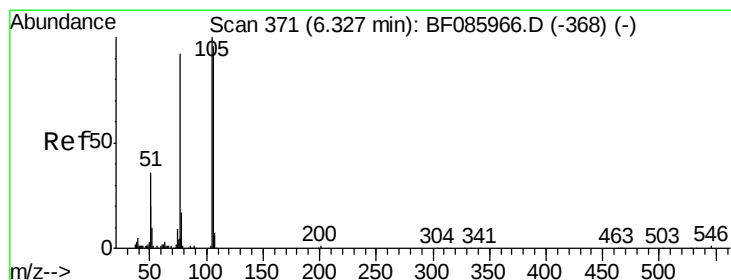
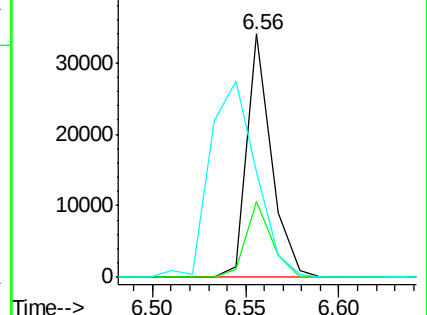
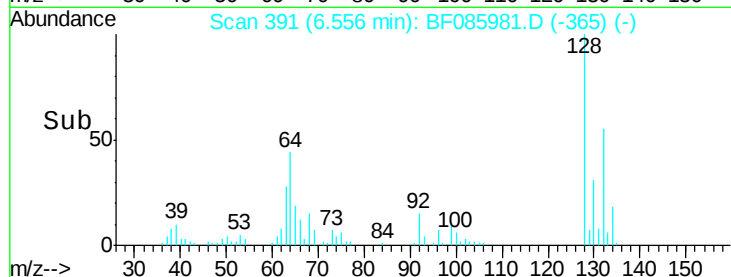
64 43.5 20.2 60.2



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: 6.01 ng

RT: 6.34 min Scan# 372

Delta R.T. 0.01 min

Lab File: BF085981.D

Acq: 2 Apr 2016 00:39

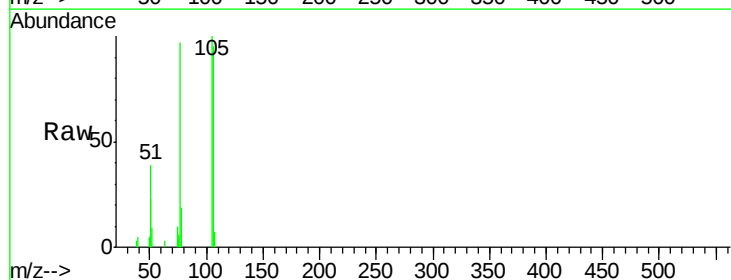
Tgt Ion: 77 Resp: 24551

Ion Ratio Lower Upper

77 100

105 102.8 80.1 120.1

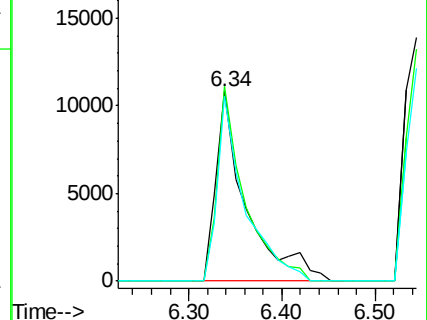
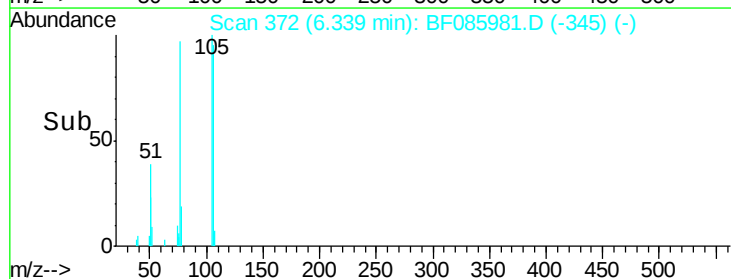
106 97.7 75.0 115.0

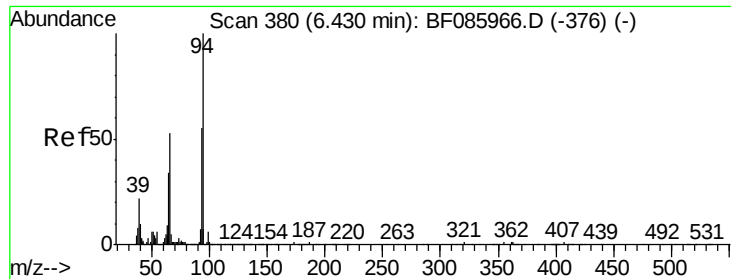


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 3.79 ng

RT: 6.43 min Scan# 380

Delta R.T. 0.00 min

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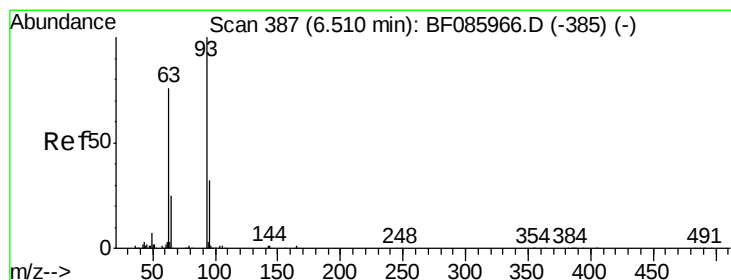
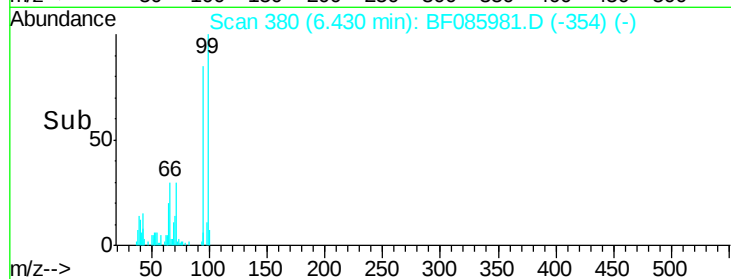
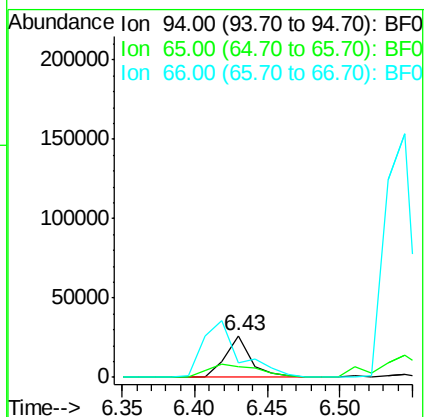
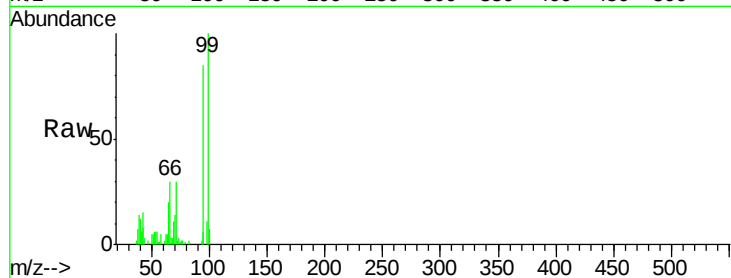
Tot Ion: 94 Resp: 32773

Ion Ratio Lower Upper

94 100

65 23.9 8.6 48.6

66 35.6 20.0 60.0



#11

bis(2-Chloroethyl)ether

Concen: 4.46 ng

RT: 6.51 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF085981.D

Acq: 2 Apr 2016 00:39

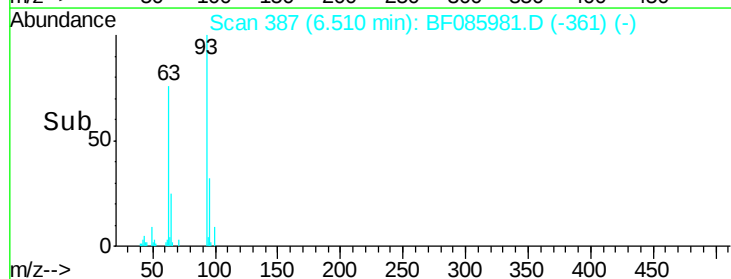
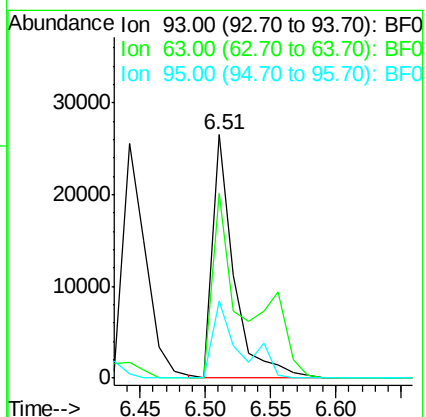
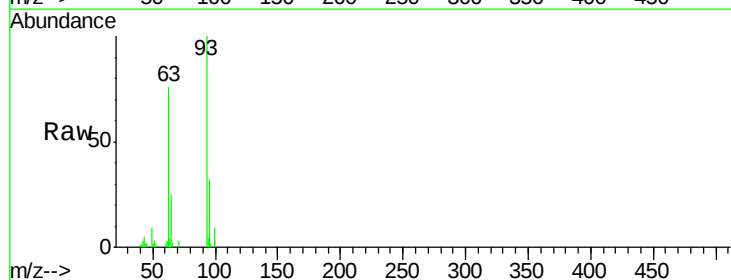
Tgt Ion: 93 Resp: 30579

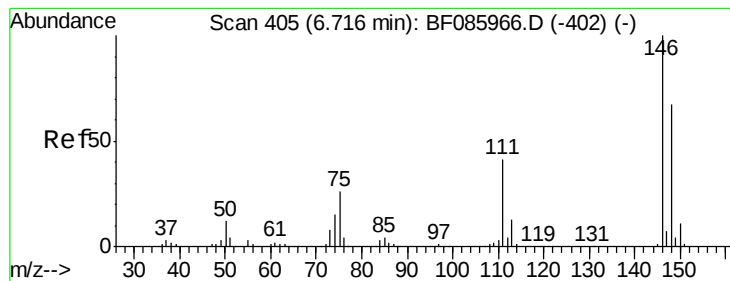
Ion Ratio Lower Upper

93 100

63 75.8 50.9 90.9

95 31.9 13.3 53.3





#12

1,3-Dichlorobenzene

Concen: 4.28 ng

RT: 6.72 min Scan# 405

Delta R.T. 0.00 min

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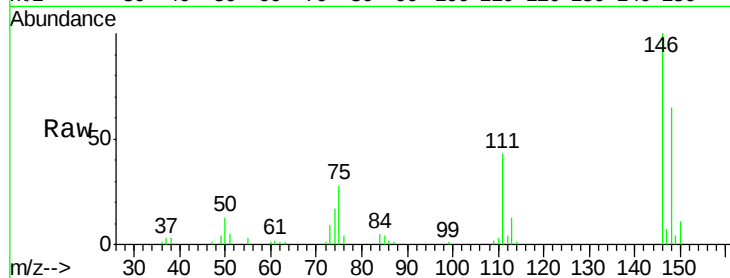
Tot Ion:146 Resp: 32343

Ion Ratio Lower Upper

146 100

148 64.7 52.3 78.5

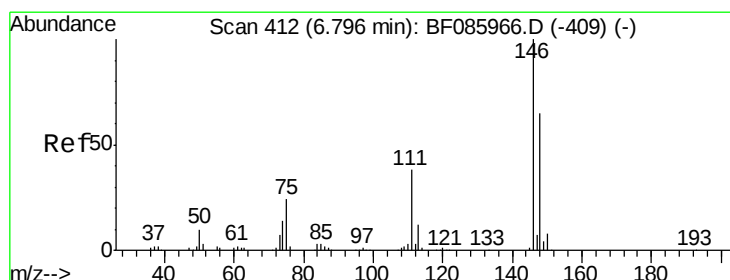
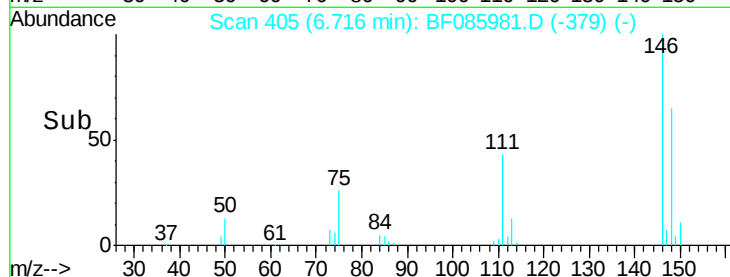
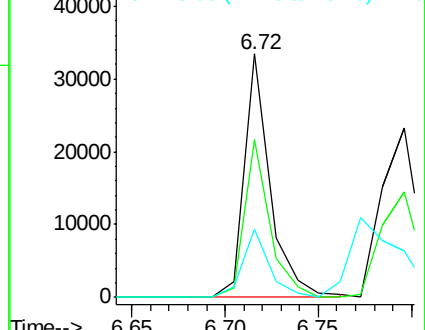
75 28.0 17.4 26.2#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0



#13

1,4-Dichlorobenzene

Concen: 4.14 ng

RT: 6.80 min Scan# 412

Delta R.T. 0.00 min

Lab File: BF085981.D

Acq: 2 Apr 2016 00:39

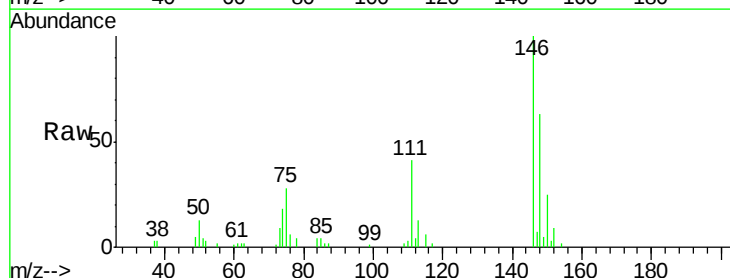
Tgt Ion:146 Resp: 32203

Ion Ratio Lower Upper

146 100

148 62.6 50.6 76.0

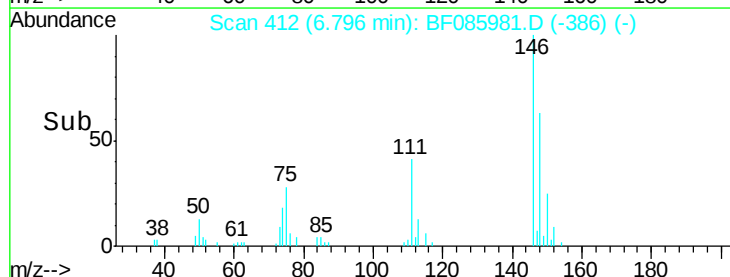
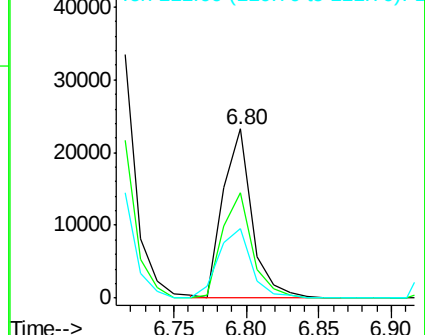
111 41.0 37.8 56.6

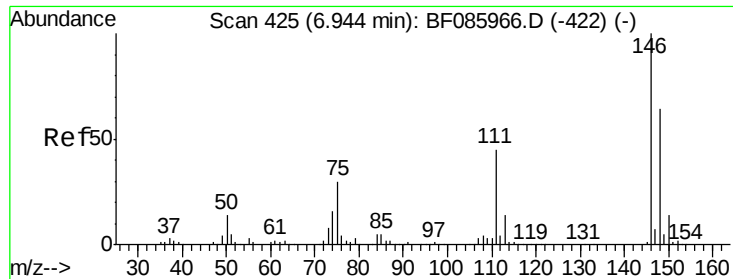


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 4.10 ng

RT: 6.94 min Scan# 425

Delta R.T. 0.00 min

Lab File: BF085981.D

Acq: 2 Apr 2016 00:39

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

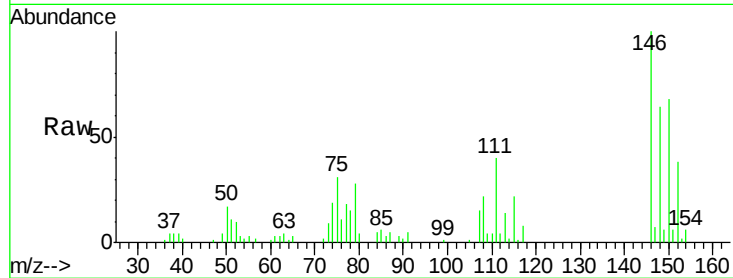
Tot Ion:146 Resp: 29369

Ion Ratio Lower Upper

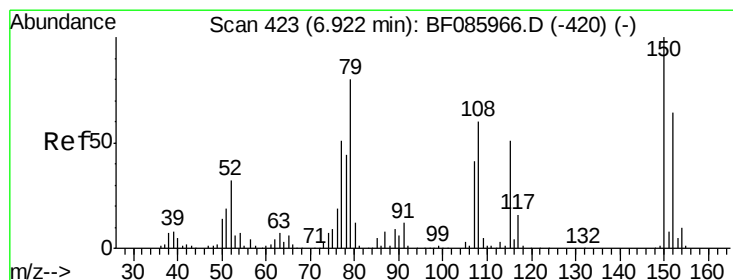
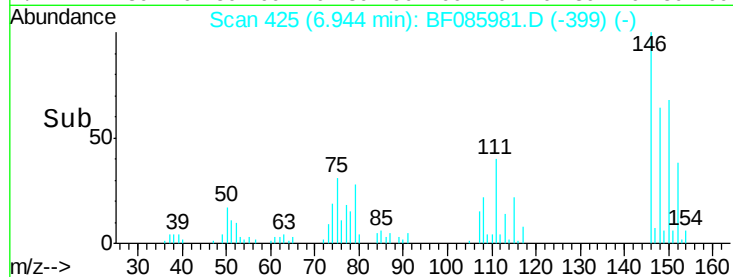
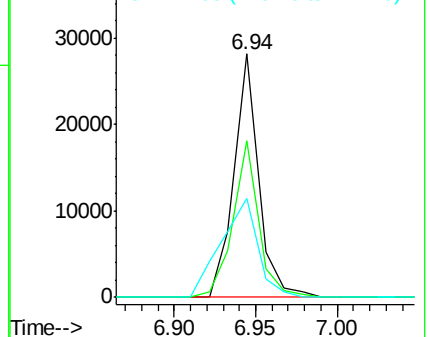
146 100

148 64.4 51.4 77.2

111 40.5 34.6 52.0



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



#15

Benzyl Alcohol

Concen: 5.76 ng

RT: 6.92 min Scan# 423

Delta R.T. 0.00 min

Lab File: BF085981.D

Acq: 2 Apr 2016 00:39

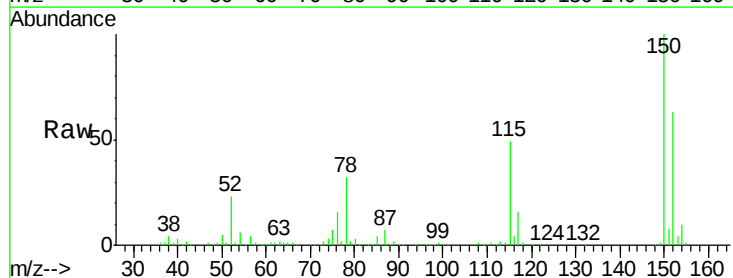
Tgt Ion: 79 Resp: 28271

Ion Ratio Lower Upper

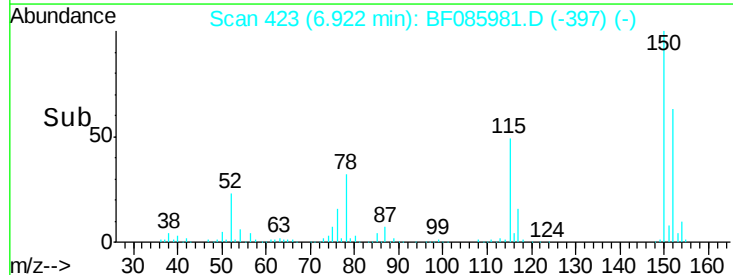
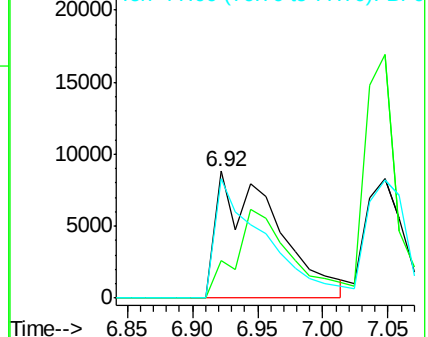
79 100

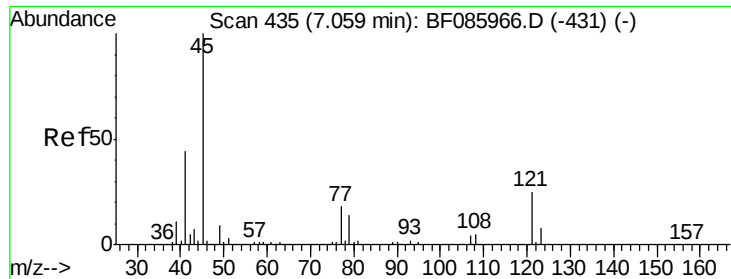
108 29.3 61.8 92.6#

77 94.0 49.6 74.4#



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

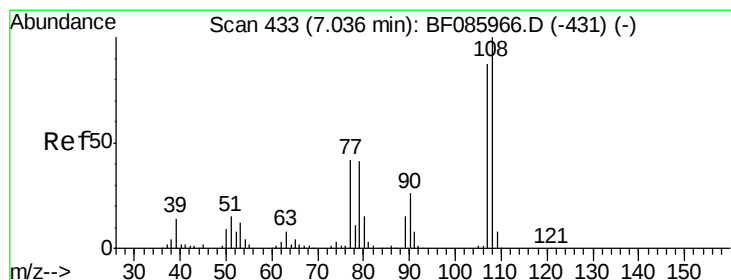
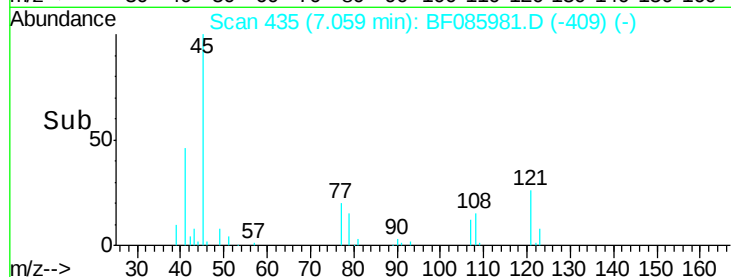
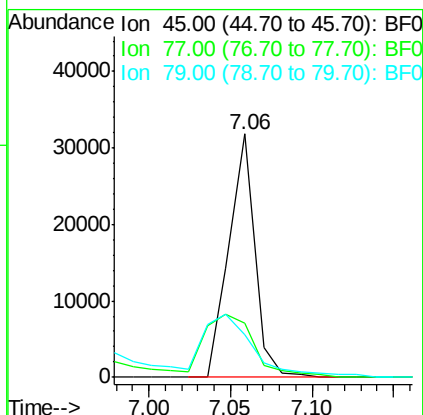
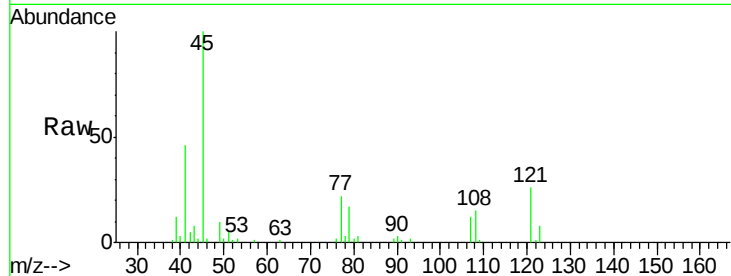




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 4.19 ng
RT: 7.06 min Scan# 435
Delta R.T. 0.00 min
Lab File: BF085981.D
Acq: 2 Apr 2016 00:39

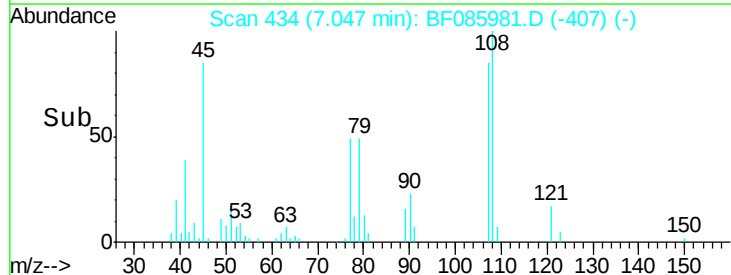
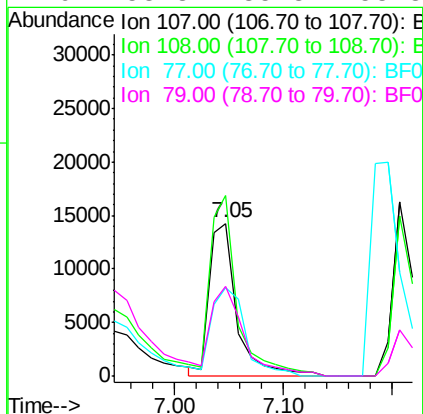
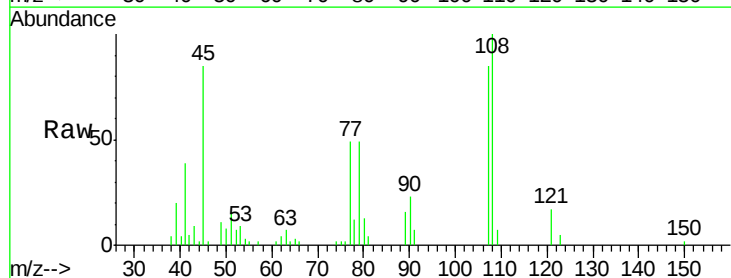
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

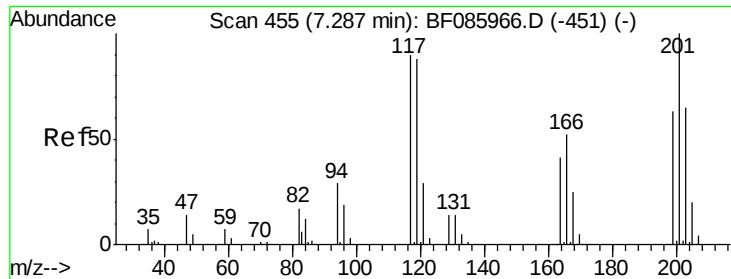
Tot Ion: 45 Resp: 35048
Ion Ratio Lower Upper
45 100
77 22.4 0.0 35.7
79 17.4 0.0 32.2



#17
2-Methylphenol
Concen: 4.51 ng
RT: 7.05 min Scan# 434
Delta R.T. 0.01 min
Lab File: BF085981.D
Acq: 2 Apr 2016 00:39

Tgt Ion:107 Resp: 25348
Ion Ratio Lower Upper
107 100
108 118.3 91.4 137.0
77 57.6 36.2 54.2#
79 58.3 35.8 53.8#

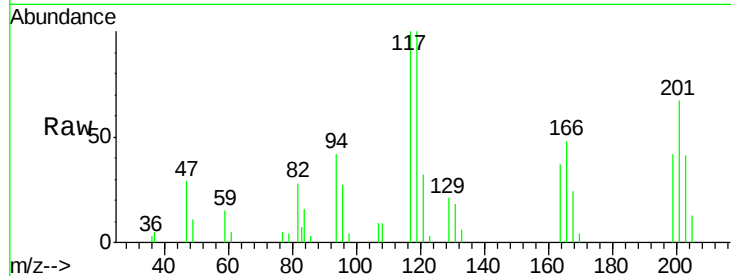




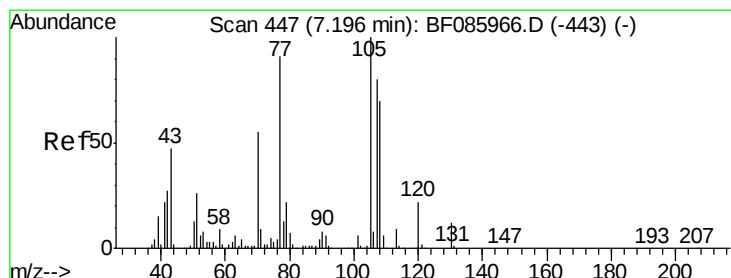
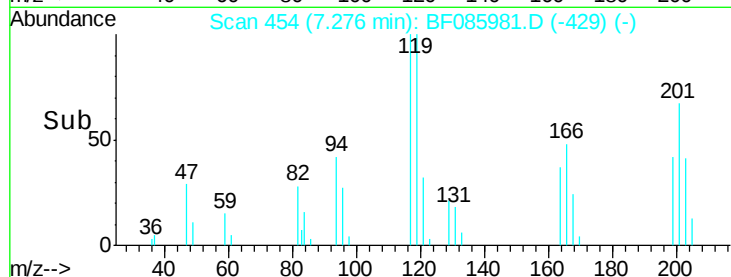
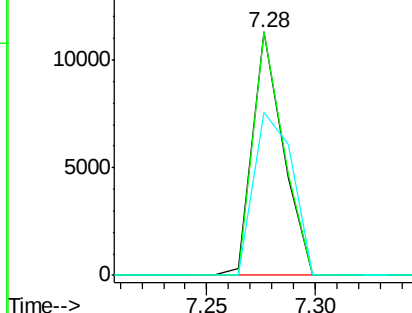
#18
Hexachloroethane
Concen: 3.87 ng
RT: 7.28 min Scan# 454
Delta R.T. -0.01 min
Lab File: BF085981.D
Acq: 2 Apr 2016 00:39

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tot Ion:117 Resp: 11065
Ion Ratio Lower Upper
117 100
119 100.2 76.7 115.1
201 66.9 83.3 124.9#

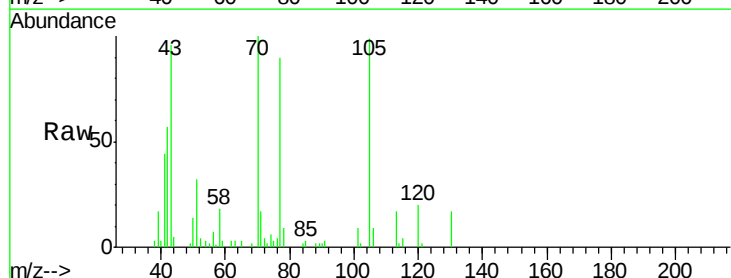


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

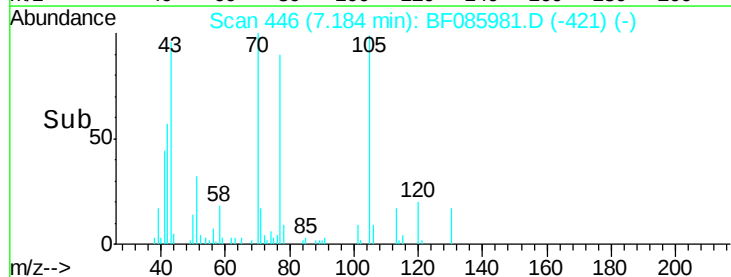
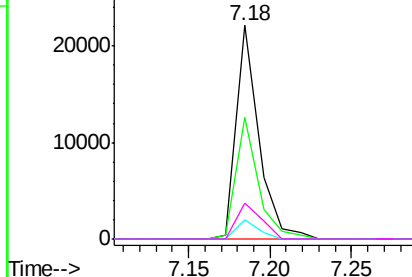


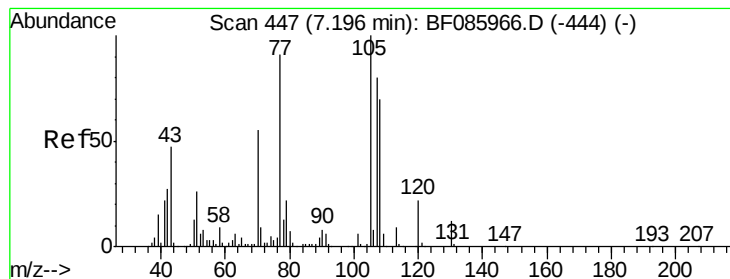
#19
n-Nitroso-di-n-propylamine
Concen: 4.47 ng
RT: 7.18 min Scan# 446
Delta R.T. -0.01 min
Lab File: BF085981.D
Acq: 2 Apr 2016 00:39

Tgt Ion: 70 Resp: 21001
Ion Ratio Lower Upper
70 100
42 57.1 37.1 55.7#
101 8.9 8.6 12.8
130 17.1 19.6 29.4#



Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E





#20

3+4-Methylphenols

Concen: 4.48 ng

RT: 7.21 min Scan# 448

Delta R.T. 0.01 min

Lab File: BF085981.D

Acq: 2 Apr 2016 00:39

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

Tot Ion:107 Resp: 30616

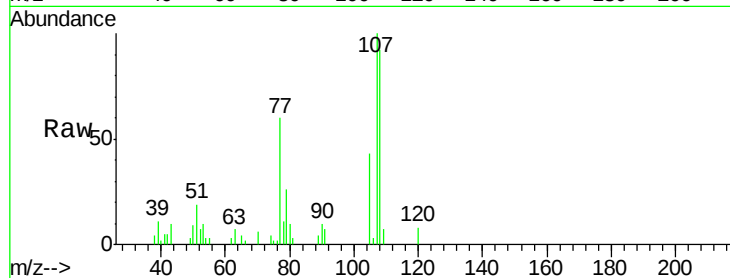
Ion Ratio Lower Upper

107 100

108 91.7 69.3 109.3

77 59.6 101.7 141.7#

79 26.1 8.3 48.3



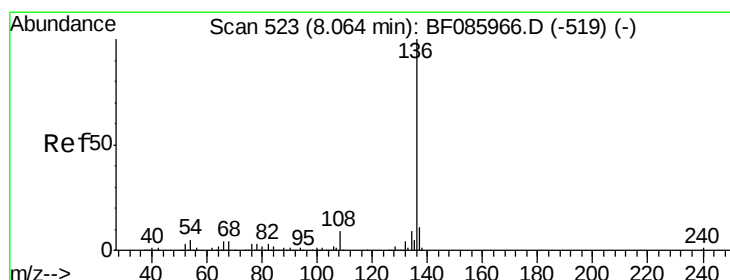
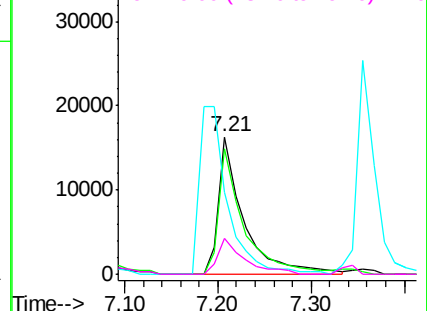
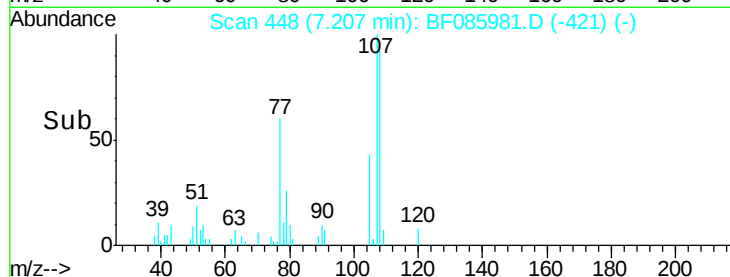
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 522

Delta R.T. -0.01 min

Lab File: BF085981.D

Acq: 2 Apr 2016 00:39

Tgt Ion:136 Resp: 409635

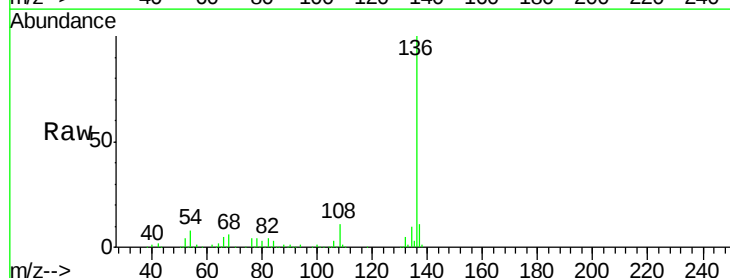
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 7.8 7.4 11.0

68 6.5 5.8 8.8



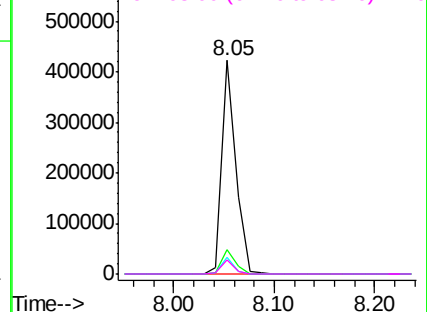
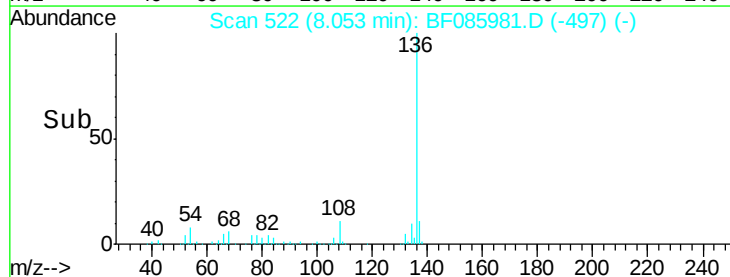
Abundance

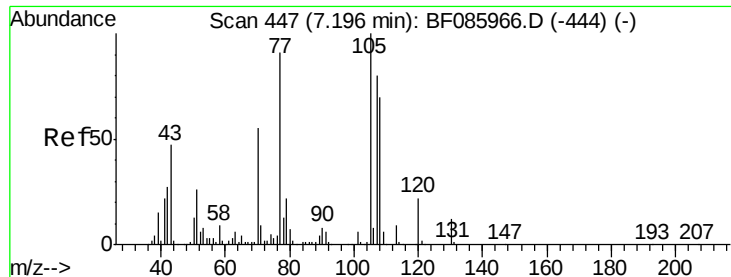
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#22

Acetophenone

Concen: 4.26 ng

RT: 7.20 min Scan# 447

Delta R.T. 0.00 min

Lab File: BF085981.D

Acq: 2 Apr 2016 00:39

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

Tot Ion:105 Resp: 41056

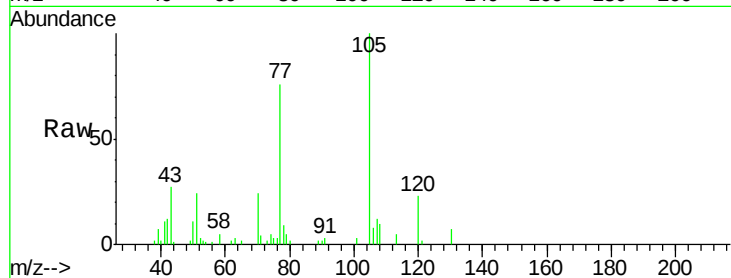
Ion Ratio Lower Upper

105 100

71 4.1 3.6 5.4

51 24.0 25.4 38.0#

120 22.8 16.9 25.3

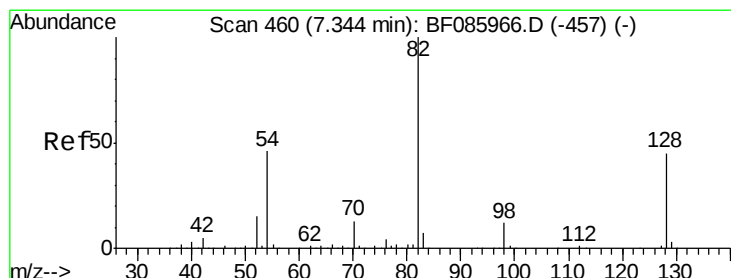
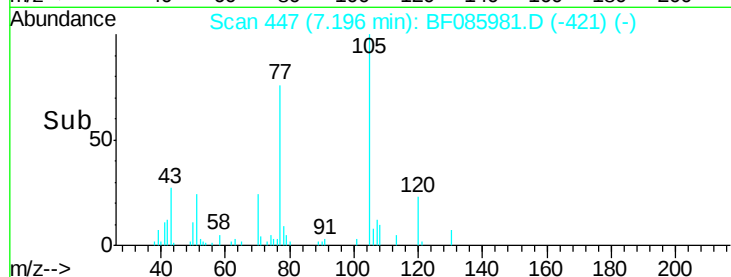
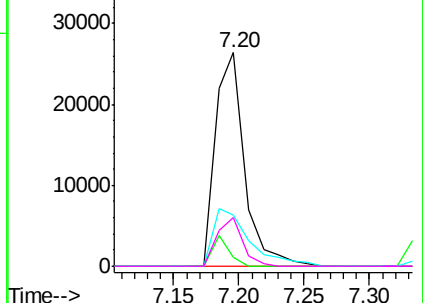


Abundance Ion 105.00 (104.70 to 105.70): E

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: 88.93 ng

RT: 7.34 min Scan# 460

Delta R.T. 0.00 min

Lab File: BF085981.D

Acq: 2 Apr 2016 00:39

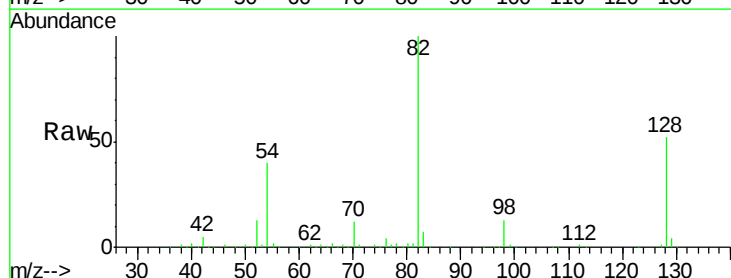
Tgt Ion: 82 Resp: 617713

Ion Ratio Lower Upper

82 100

128 52.3 41.8 62.8

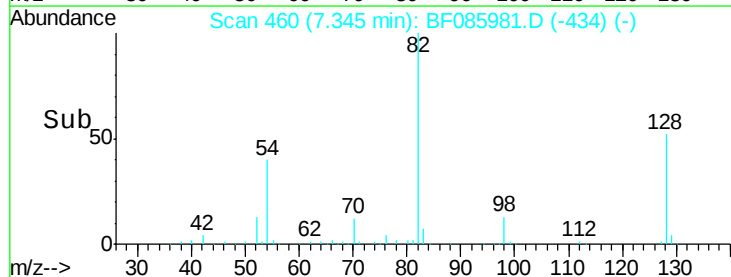
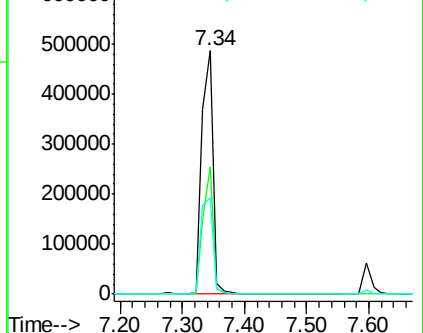
54 39.6 33.4 50.0

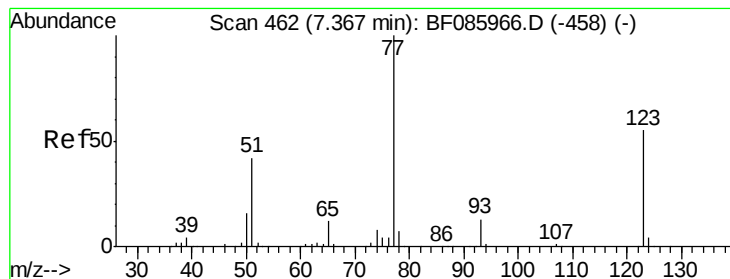


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 4.40 ng

RT: 7.36 min Scan# 461

Delta R.T. -0.01 min

Lab File: BF085981.D

Acq: 2 Apr 2016 00:39

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

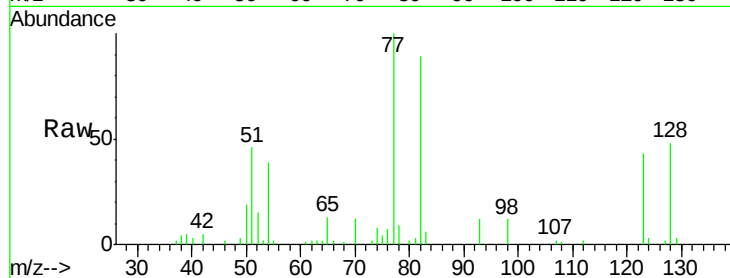
Tot Ion: 77 Resp: 33408

Ion Ratio Lower Upper

77 100

123 42.7 35.0 52.4

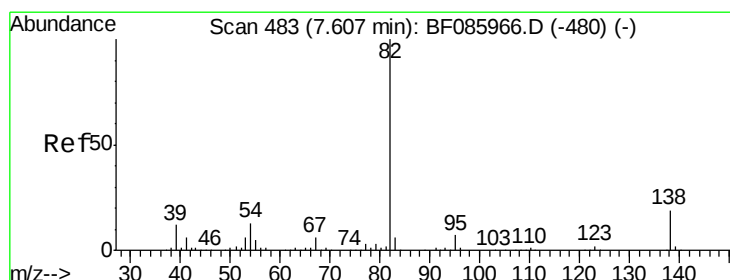
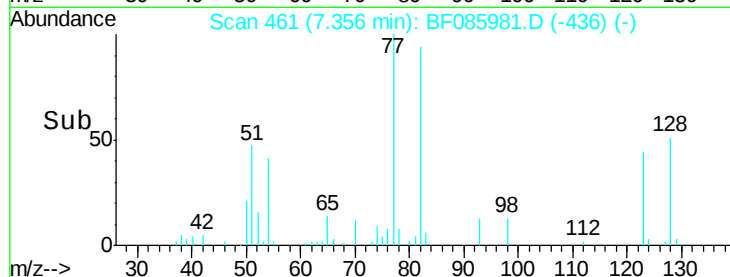
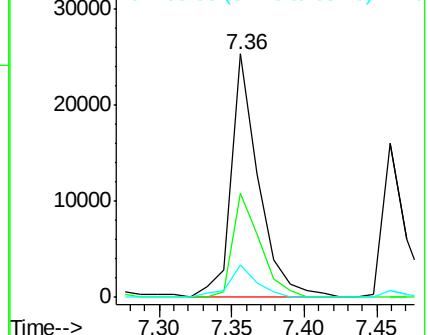
65 13.1 10.6 16.0



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#25

Isophorone

Concen: 4.34 ng

RT: 7.60 min Scan# 482

Delta R.T. -0.01 min

Lab File: BF085981.D

Acq: 2 Apr 2016 00:39

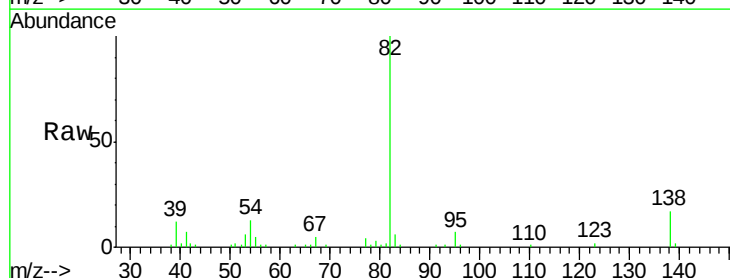
Tgt Ion: 82 Resp: 59496

Ion Ratio Lower Upper

82 100

95 7.2 5.4 8.2

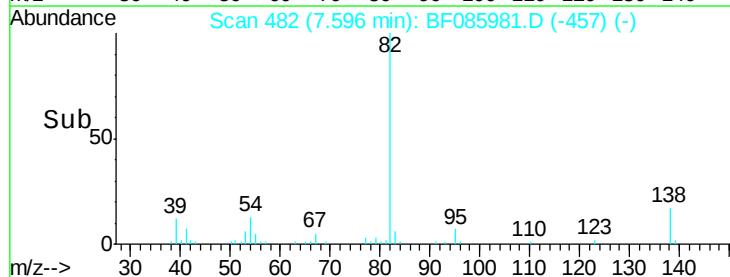
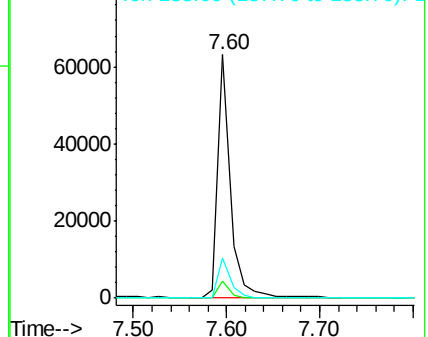
138 16.7 12.9 19.3

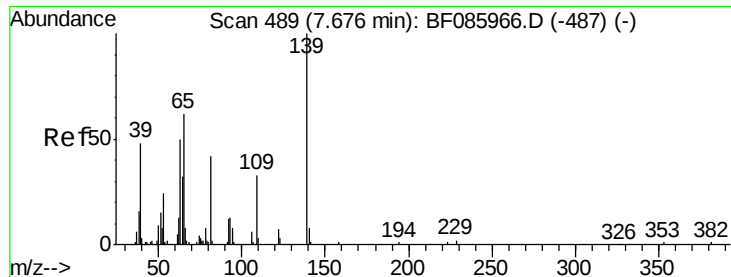


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

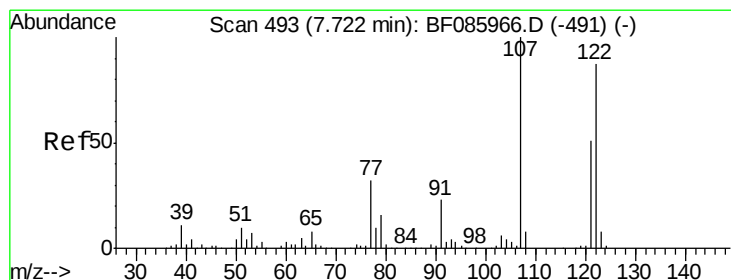
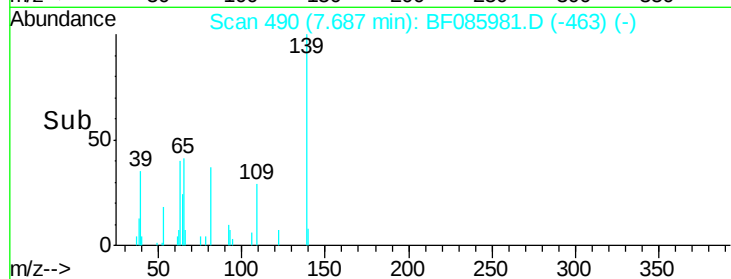
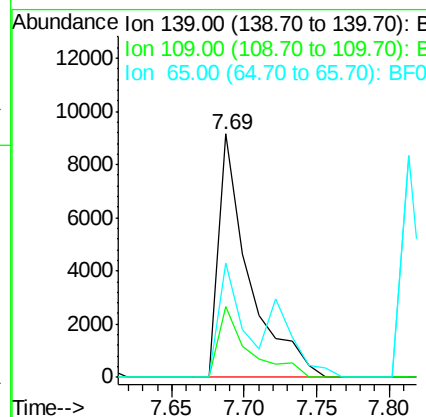
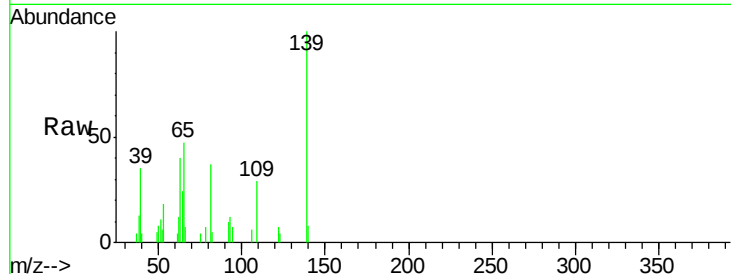




#26
2-Nitrophenol
Concen: 3.65 ng
RT: 7.69 min Scan# 490
Delta R.T. 0.01 min
Lab File: BF085981.D
Acq: 2 Apr 2016 00:39

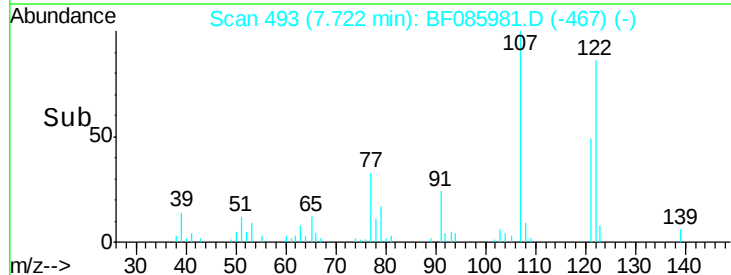
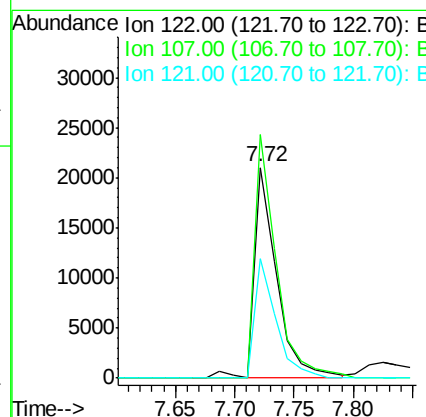
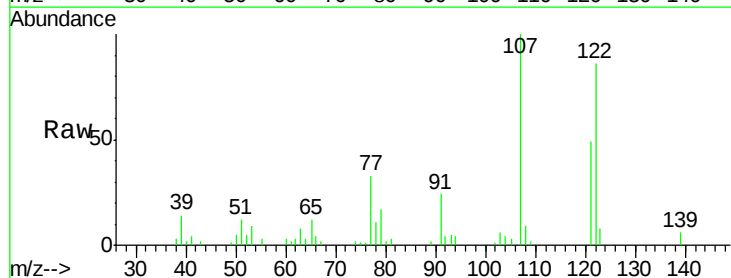
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

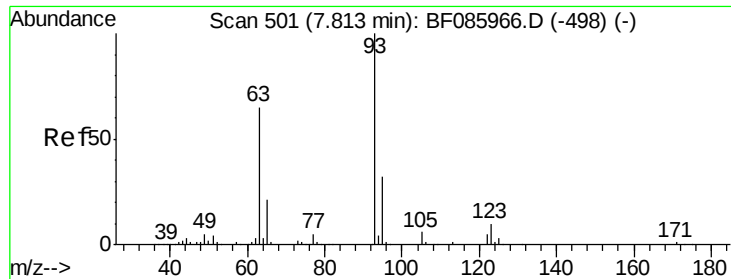
Tot Ion	Ratio	Lower	Upper
139	100		
109	29.1	22.1	33.1
65	46.8	33.9	50.9



#27
2,4-Dimethylphenol
Concen: 4.26 ng
RT: 7.72 min Scan# 493
Delta R.T. 0.00 min
Lab File: BF085981.D
Acq: 2 Apr 2016 00:39

Tgt Ion	Ratio	Lower	Upper
122	100		
107	115.7	93.0	139.6
121	56.7	45.9	68.9





#28

bis(2-Chloroethoxy)methane

Concen: 4.60 ng

RT: 7.81 min Scan# 501

Delta R.T. 0.00 min

Lab File: BF085981.D

Acq: 2 Apr 2016 00:39

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

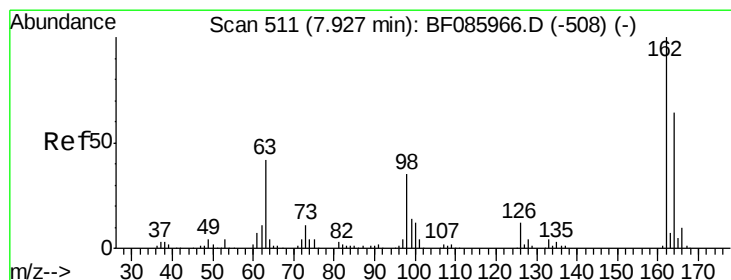
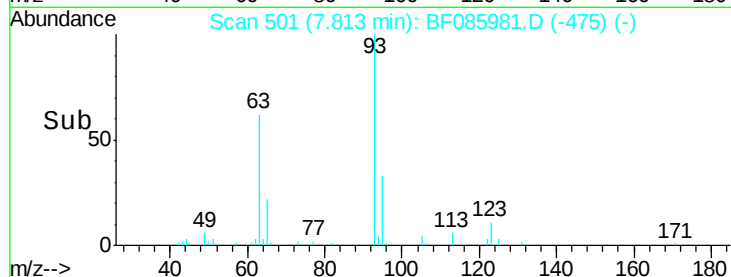
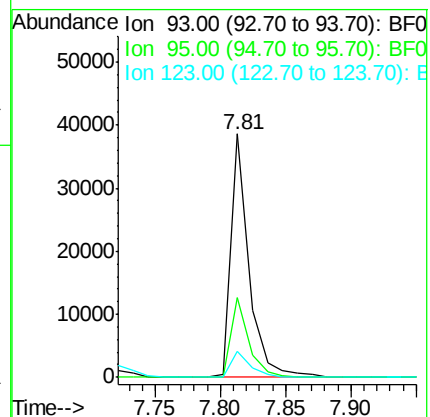
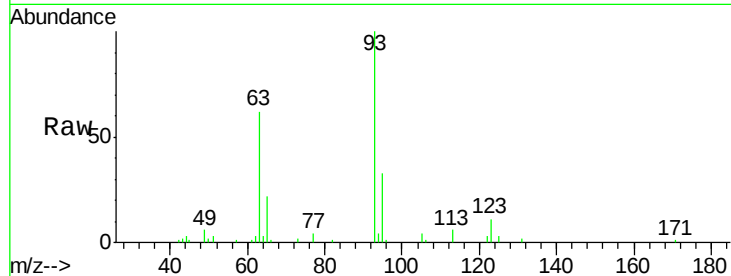
Tot Ion: 93 Resp: 37030

Ion Ratio Lower Upper

93 100

95 32.6 26.4 39.6

123 10.6 9.8 14.6



#29

2,4-Dichlorophenol

Concen: 3.91 ng

RT: 7.94 min Scan# 512

Delta R.T. 0.01 min

Lab File: BF085981.D

Acq: 2 Apr 2016 00:39

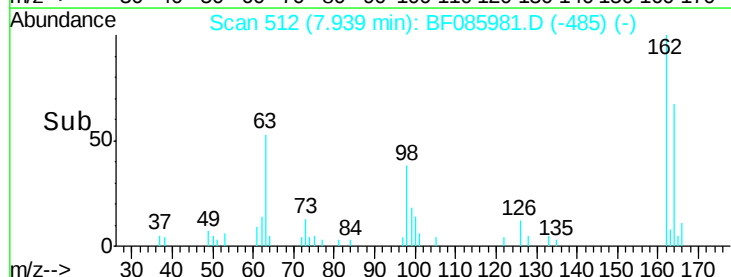
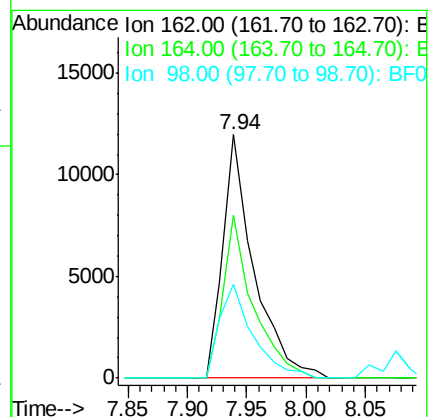
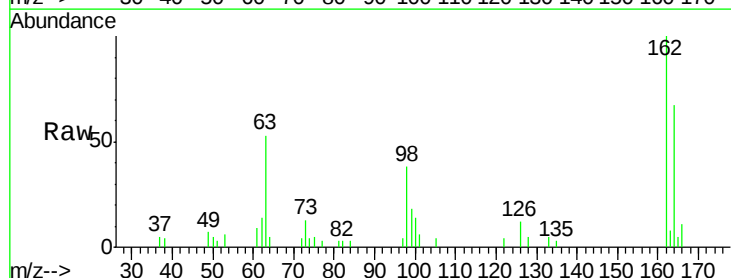
Tgt Ion: 162 Resp: 21574

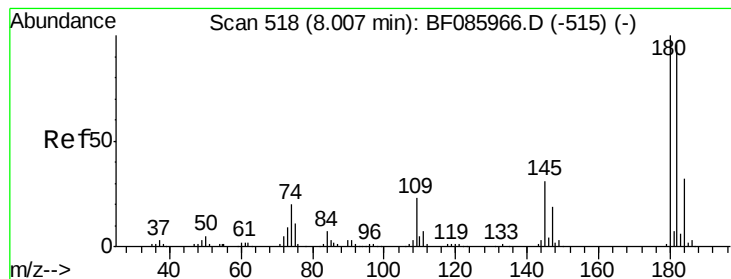
Ion Ratio Lower Upper

162 100

164 66.8 43.7 83.7

98 38.4 20.4 60.4





#30

1,2,4-Trichlorobenzene

Concen: 3.93 ng

RT: 8.01 min Scan# 518

Delta R.T. 0.00 min

Lab File: BF085981.D

Acq: 2 Apr 2016 00:39

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

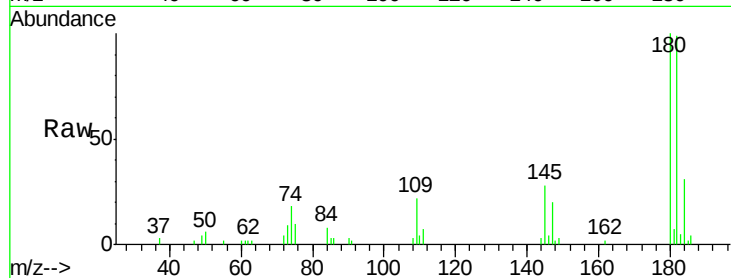
Tot Ion:180 Resp: 24385

Ion Ratio Lower Upper

180 100

182 99.4 73.8 110.8

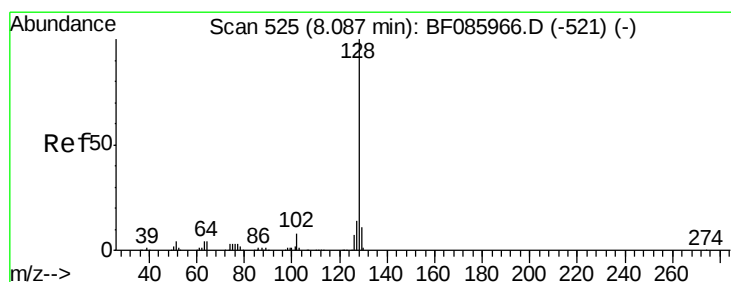
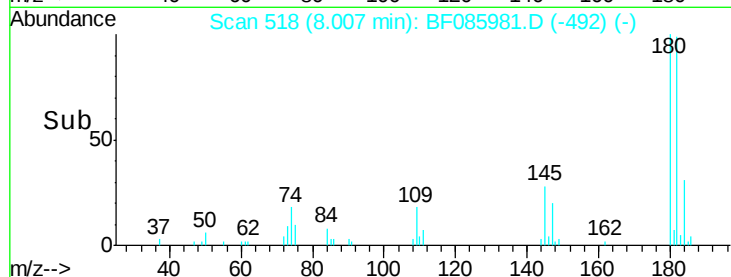
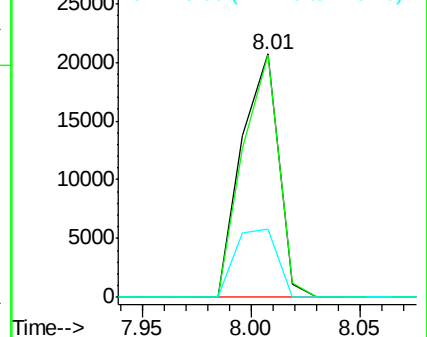
145 28.3 28.4 42.6#



Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E



#31

Naphthalene

Concen: 4.48 ng

RT: 8.08 min Scan# 524

Delta R.T. -0.01 min

Lab File: BF085981.D

Acq: 2 Apr 2016 00:39

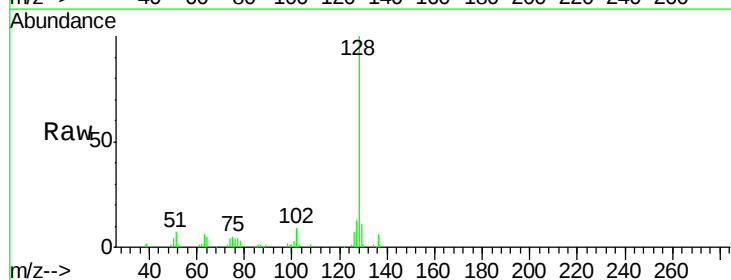
Tgt Ion:128 Resp: 92269

Ion Ratio Lower Upper

128 100

129 11.1 9.4 14.0

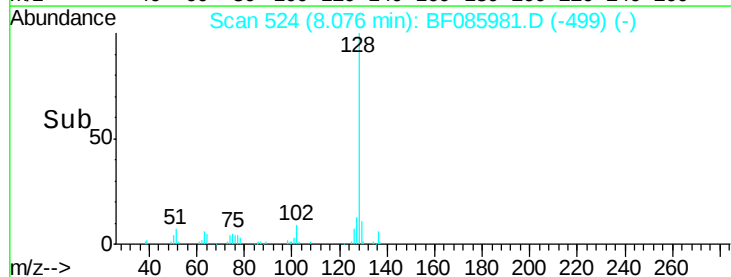
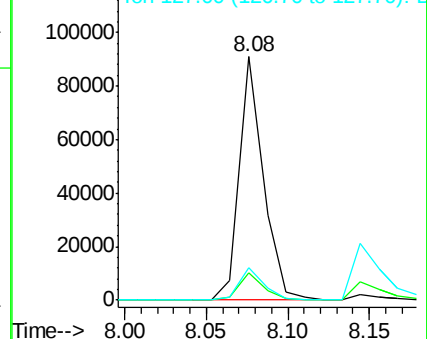
127 13.1 11.0 16.6

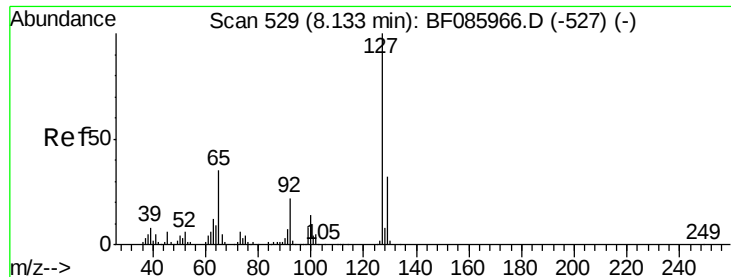


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

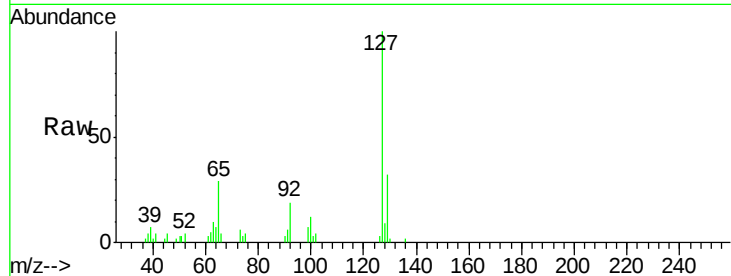




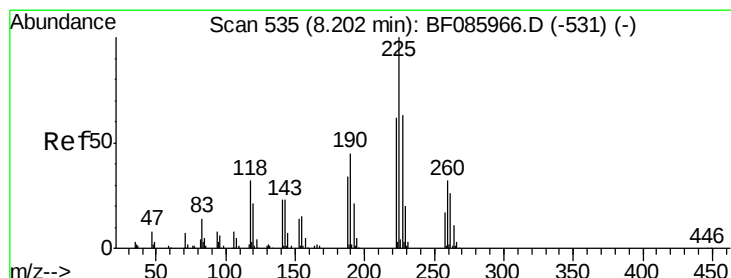
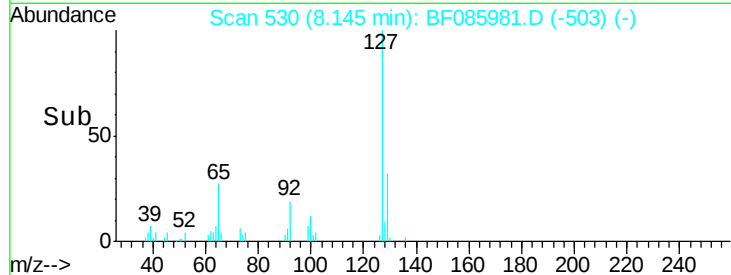
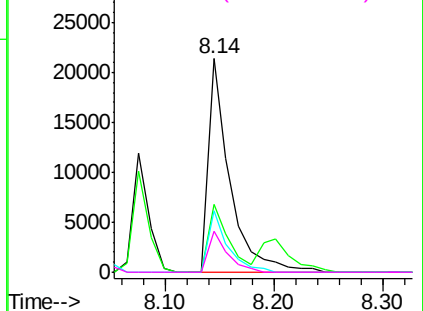
#33
4-Chloroaniline
Concen: 3.56 ng
RT: 8.14 min Scan# 530
Delta R.T. 0.01 min
Lab File: BF085981.D
Acq: 2 Apr 2016 00:39

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tot Ion:127	Resp:	29643
Ion Ratio	Lower	Upper
127	100	
129	32.0	26.1 39.1
65	28.8	19.5 29.3
92	19.0	14.6 22.0

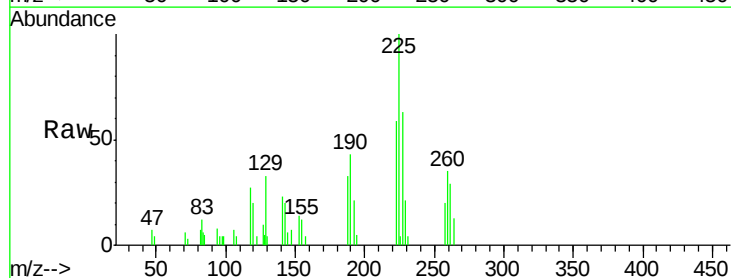


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

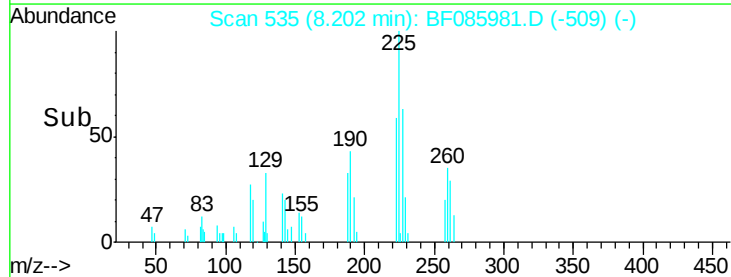
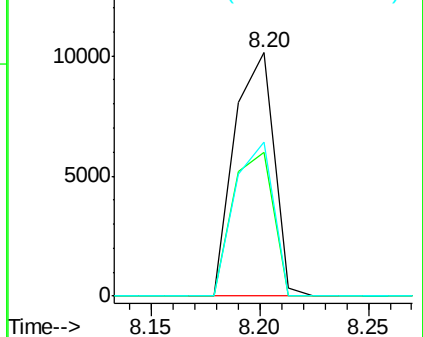


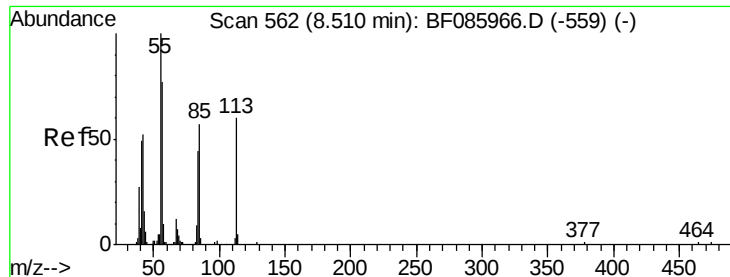
#34
Hexachlorobutadiene
Concen: 3.83 ng
RT: 8.20 min Scan# 535
Delta R.T. 0.00 min
Lab File: BF085981.D
Acq: 2 Apr 2016 00:39

Tgt Ion:225	Resp:	12746
Ion Ratio	Lower	Upper
225	100	
223	59.2	50.4 75.6
227	63.5	51.4 77.2



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

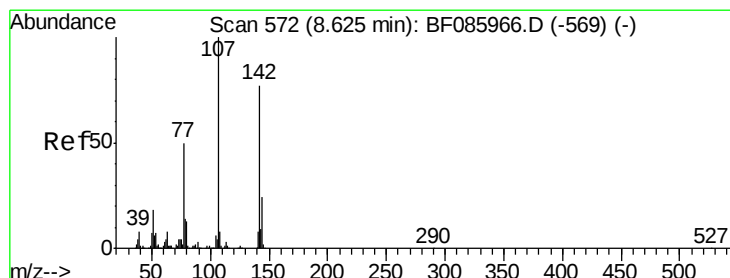
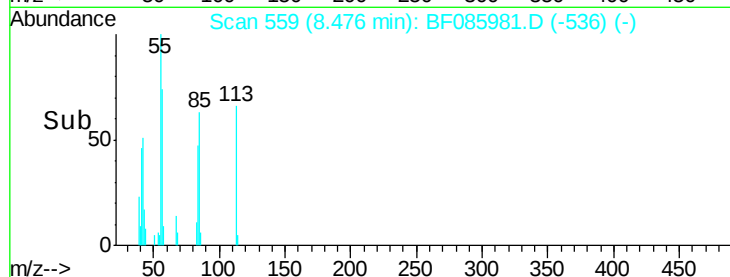
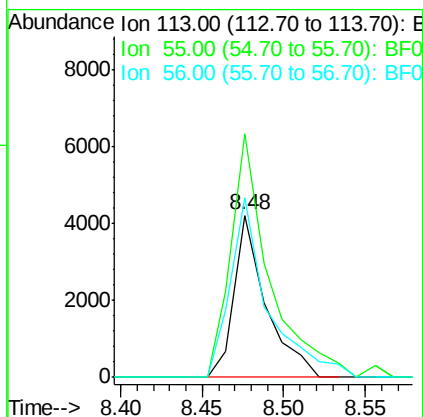
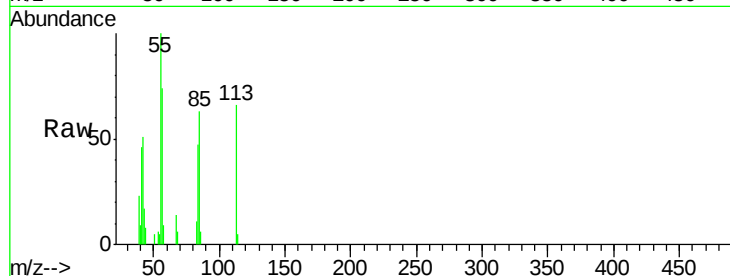




#35
 Caprolactam
 Concen: 3.25 ng
 RT: 8.48 min Scan# 559
 Delta R.T. -0.03 min
 Lab File: BF085981.D
 Acq: 2 Apr 2016 00:39

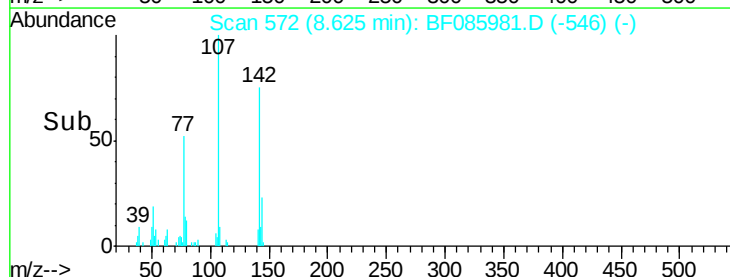
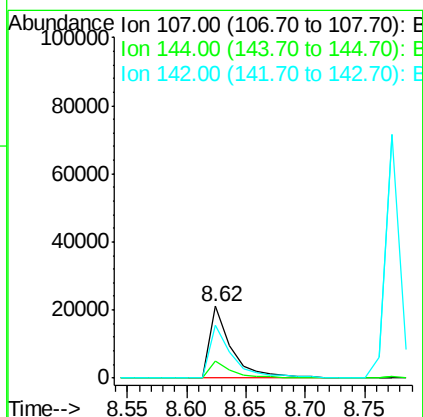
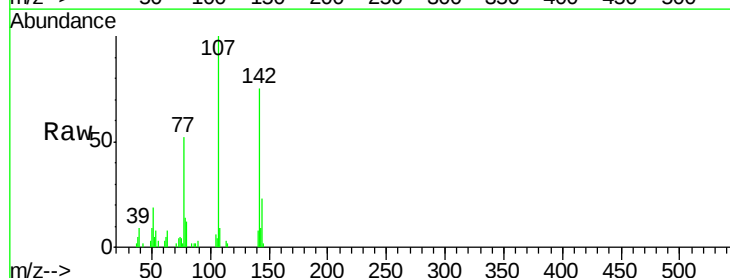
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

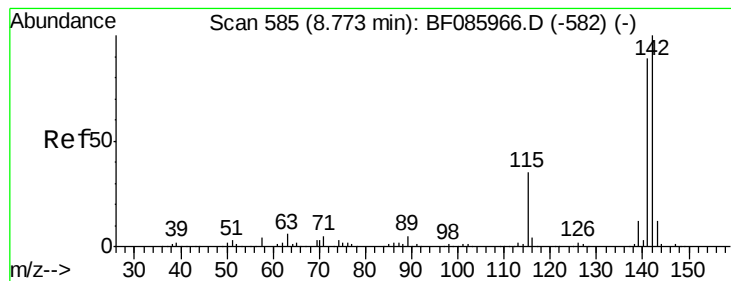
Tot Ion:113 Resp: 5699
 Ion Ratio Lower Upper
 113 100
 55 150.5 139.4 179.4
 56 111.0 100.4 140.4



#36
 4-Chloro-3-methylphenol
 Concen: 4.28 ng
 RT: 8.62 min Scan# 572
 Delta R.T. 0.00 min
 Lab File: BF085981.D
 Acq: 2 Apr 2016 00:39

Tgt Ion:107 Resp: 26553
 Ion Ratio Lower Upper
 107 100
 144 23.4 19.3 28.9
 142 74.5 61.4 92.0

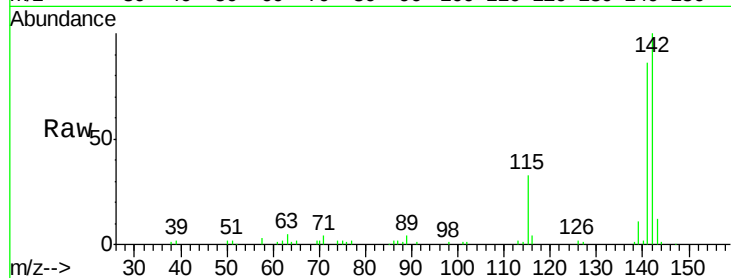




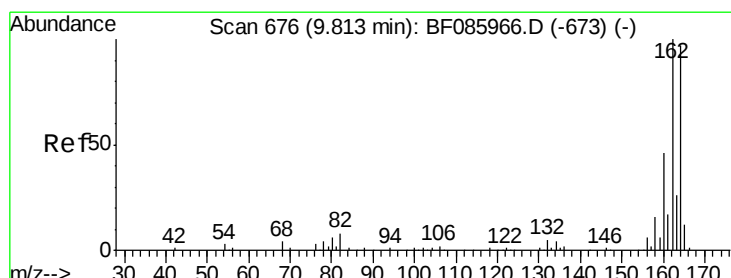
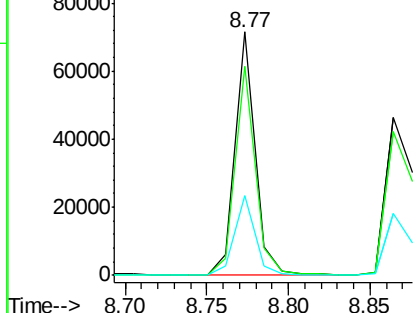
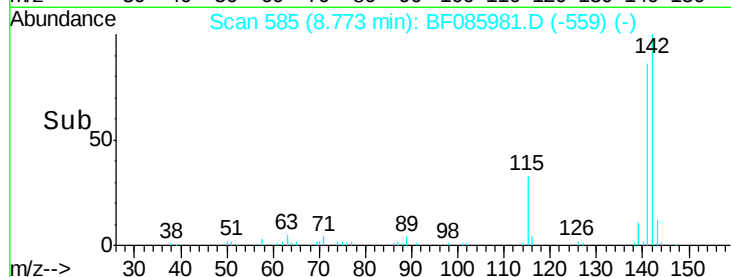
#37
 2-Methylnaphthalene
 Concen: 4.51 ng
 RT: 8.77 min Scan# 585
 Delta R.T. 0.00 min
 Lab File: BF085981.D
 Acq: 2 Apr 2016 00:39

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tot Ion:142 Resp: 60757
 Ion Ratio Lower Upper
 142 100
 141 85.8 71.6 107.4
 115 33.0 26.8 40.2

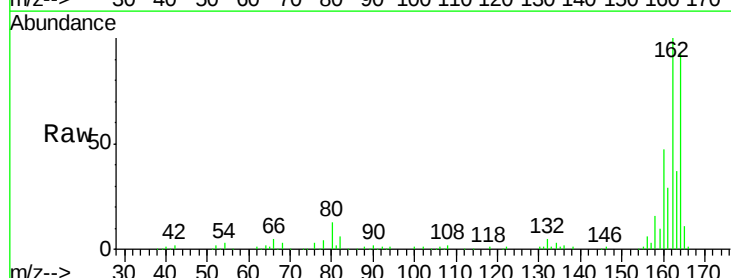


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

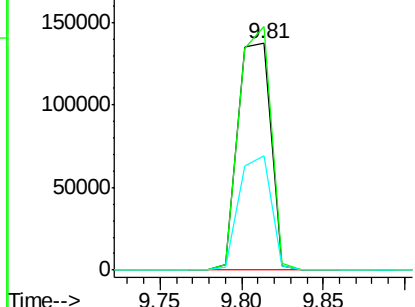
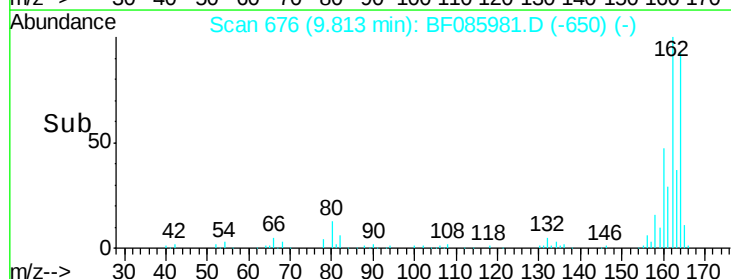


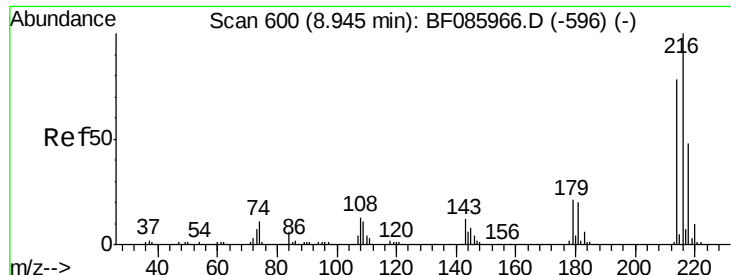
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.81 min Scan# 676
 Delta R.T. 0.00 min
 Lab File: BF085981.D
 Acq: 2 Apr 2016 00:39

Tgt Ion:164 Resp: 190751
 Ion Ratio Lower Upper
 164 100
 162 107.4 82.1 123.1
 160 50.6 37.4 56.2



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

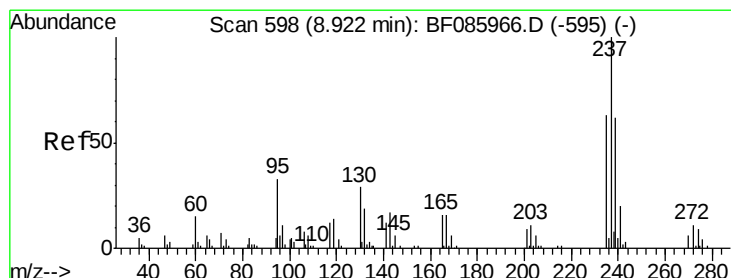
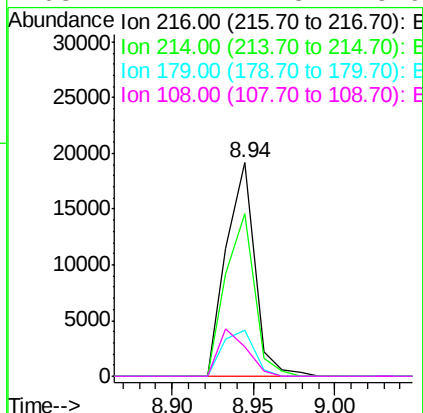
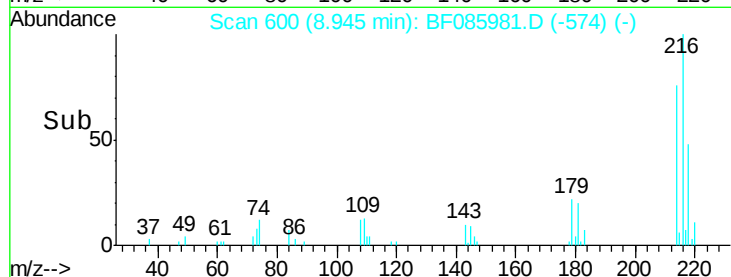
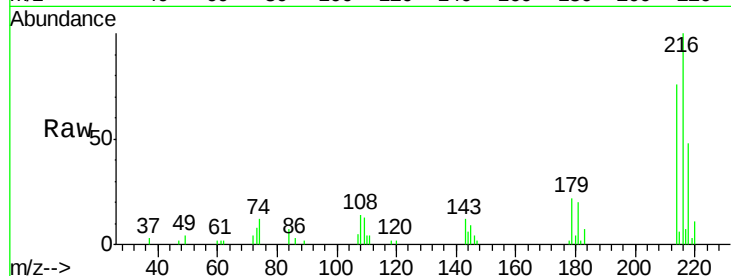




#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 4.04 ng
 RT: 8.94 min Scan# 600
 Delta R.T. 0.00 min
 Lab File: BF085981.D
 Acq: 2 Apr 2016 00:39

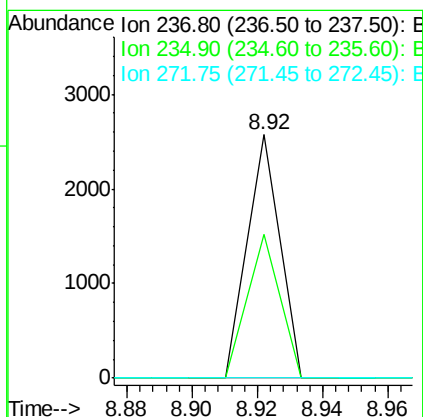
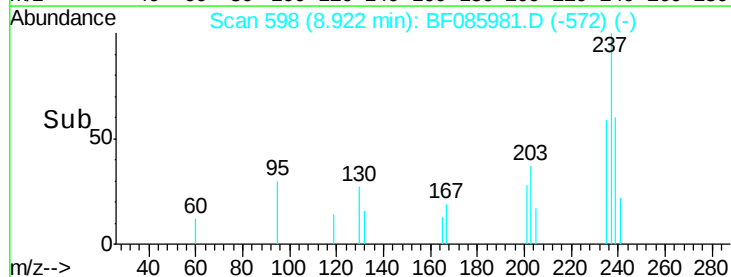
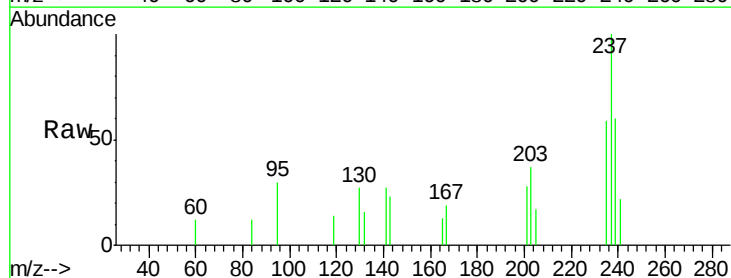
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

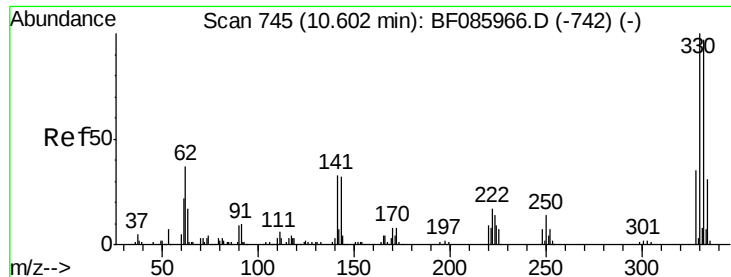
Tot Ion:	216	Resp:	23135
Ion	Ratio	Lower	Upper
216	100		
214	77.0	63.1	94.7
179	23.8	18.2	27.2
108	21.7	17.3	25.9



#40
 Hexachlorocyclopentadiene
 Concen: 6.54 ng
 RT: 8.92 min Scan# 598
 Delta R.T. 0.00 min
 Lab File: BF085981.D
 Acq: 2 Apr 2016 00:39

Tgt Ion:	237	Resp:	1765
Ion	Ratio	Lower	Upper
237	100		
235	59.1	43.7	83.7
272	0.0	0.0	31.9

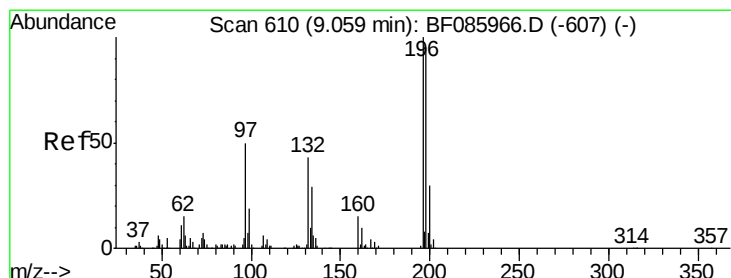
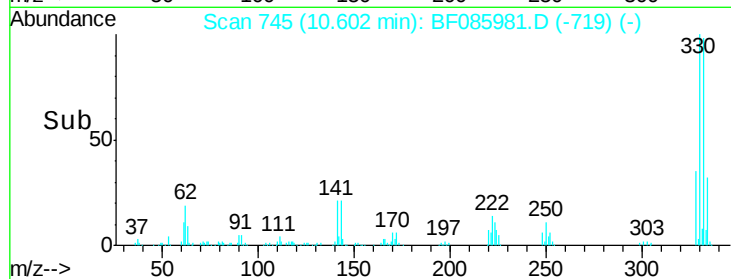
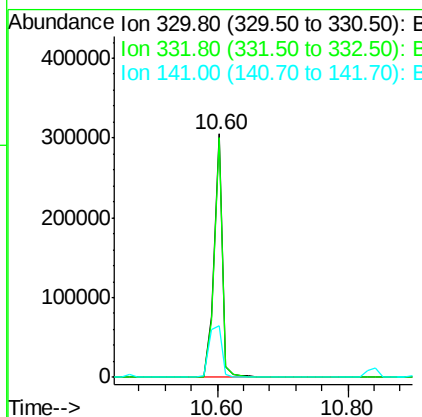
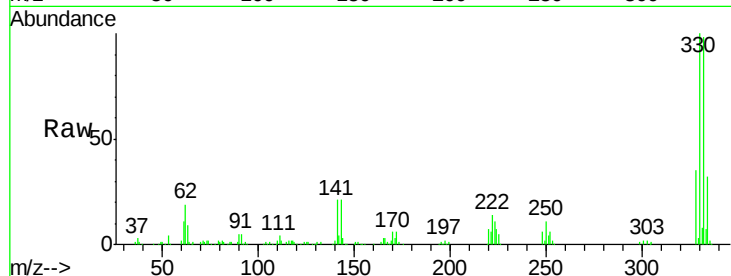




#41
 2,4,6-Tribromophenol
 Concen: 155.95 ng
 RT: 10.60 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: BF085981.D
 Acq: 2 Apr 2016 00:39

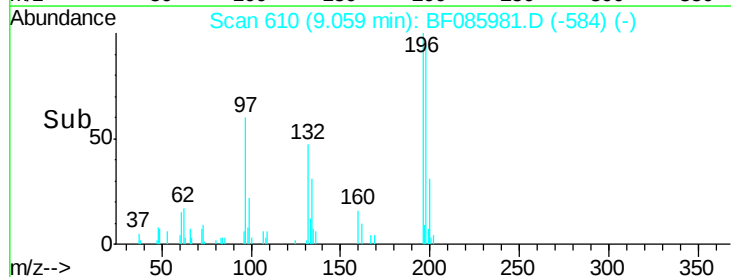
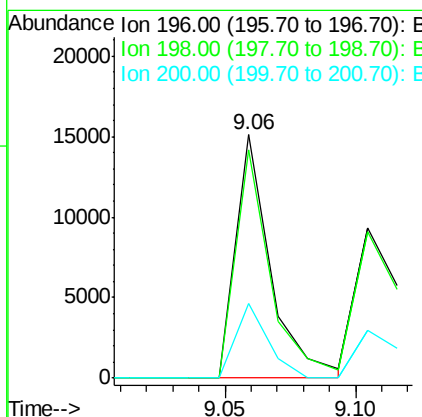
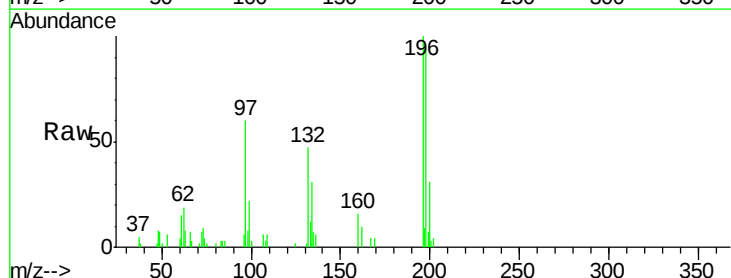
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

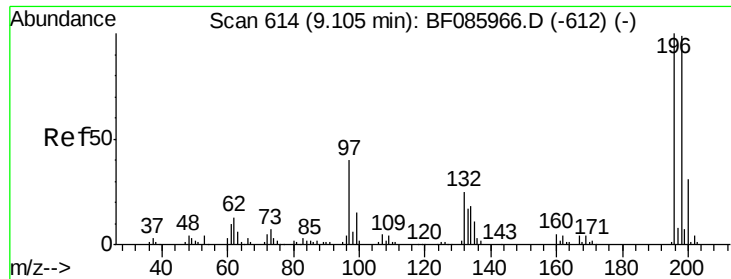
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	78.2	117.2
141	33.0	31.5	47.3



#42
 2,4,6-Trichlorophenol
 Concen: 3.87 ng
 RT: 9.06 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: BF085981.D
 Acq: 2 Apr 2016 00:39

Tgt Ion	Ratio	Lower	Upper
196	100		
198	93.5	75.3	112.9
200	30.5	23.7	35.5

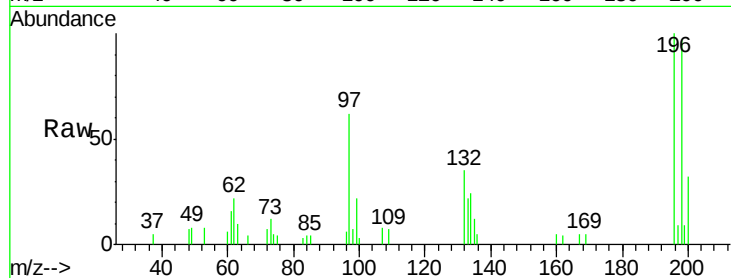




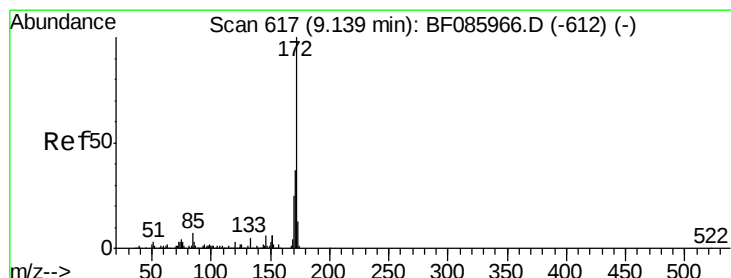
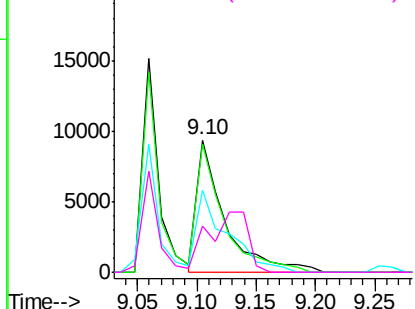
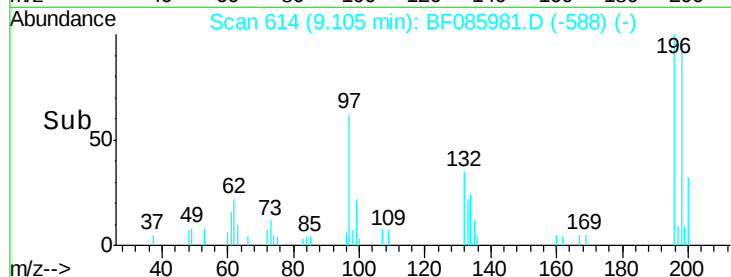
#43
 2,4,5-Trichlorophenol
 Concen: 4.14 ng
 RT: 9.10 min Scan# 614
 Delta R.T. 0.00 min
 Lab File: BF085981.D
 Acq: 2 Apr 2016 00:39

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tot Ion:196 Resp: 15487
 Ion Ratio Lower Upper
 196 100
 198 97.3 76.6 114.8
 97 62.0 30.5 45.7#
 132 34.8 20.2 30.2#

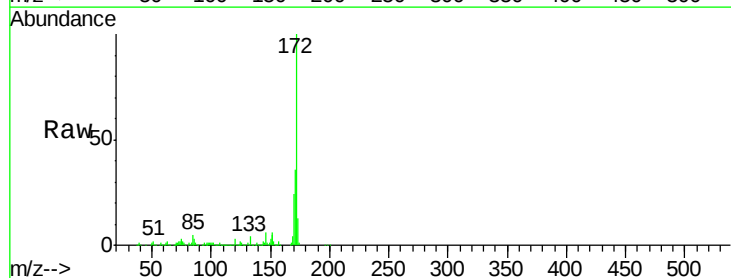


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

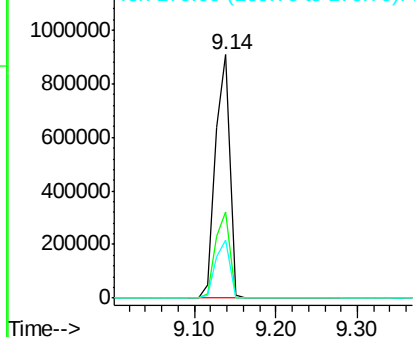
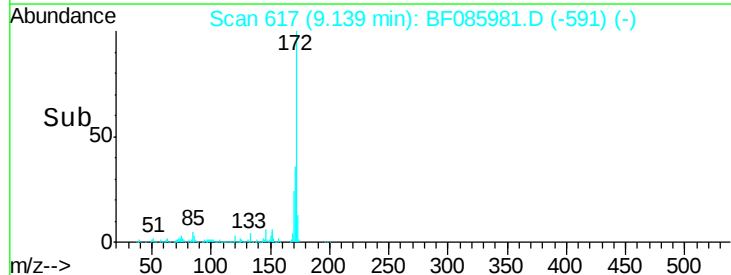


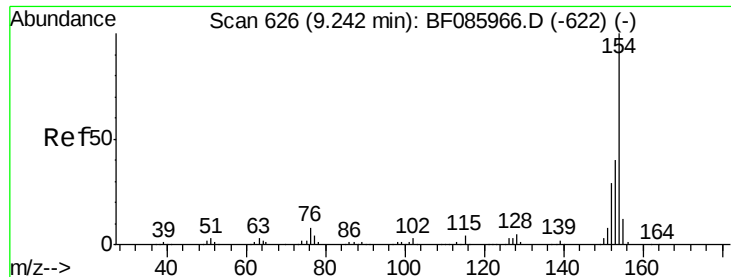
#44
 2-Fluorobiphenyl
 Concen: 96.38 ng
 RT: 9.14 min Scan# 617
 Delta R.T. 0.00 min
 Lab File: BF085981.D
 Acq: 2 Apr 2016 00:39

Tgt Ion:172 Resp: 1105745
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.4 44.2
 170 23.9 19.8 29.6



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





#45

1,1'-Biphenyl

Concen: 4.40 ng

RT: 9.23 min Scan# 625

Delta R.T. -0.01 min

Lab File: BF085981.D

Acq: 2 Apr 2016 00:39

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

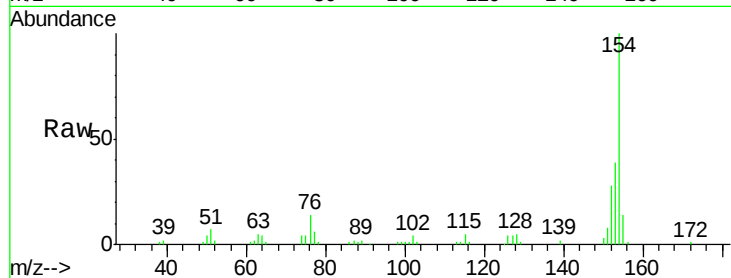
Tot Ion:154 Resp: 72393

Ion Ratio Lower Upper

154 100

153 38.6 20.8 60.8

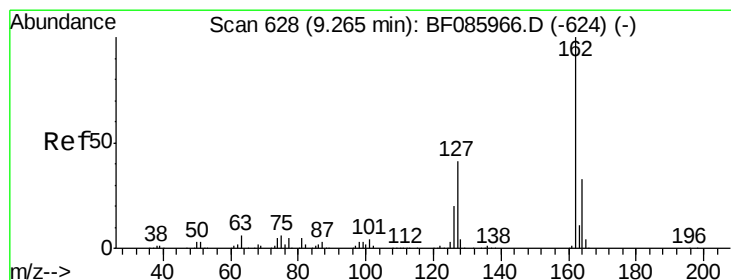
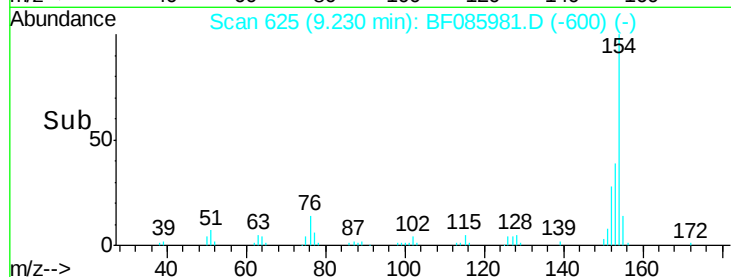
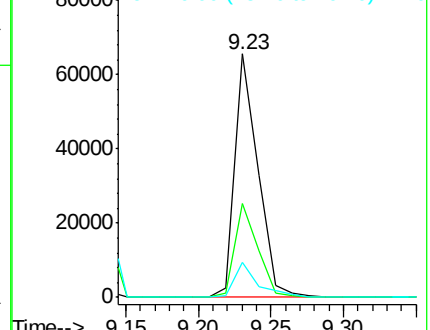
76 14.4 0.0 36.7



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 4.22 ng

RT: 9.26 min Scan# 628

Delta R.T. 0.00 min

Lab File: BF085981.D

Acq: 2 Apr 2016 00:39

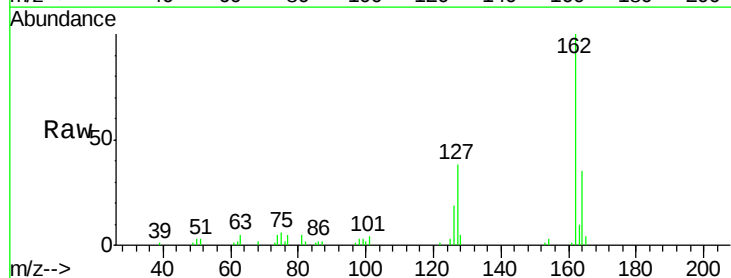
Tgt Ion:162 Resp: 50372

Ion Ratio Lower Upper

162 100

127 38.1 31.7 47.5

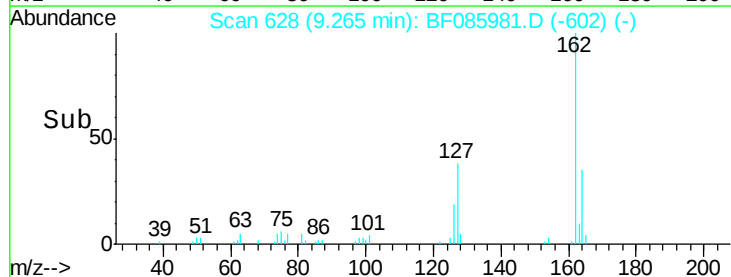
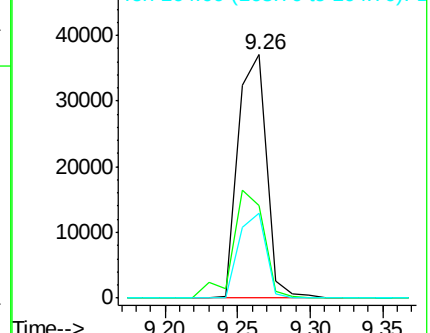
164 34.6 27.3 40.9

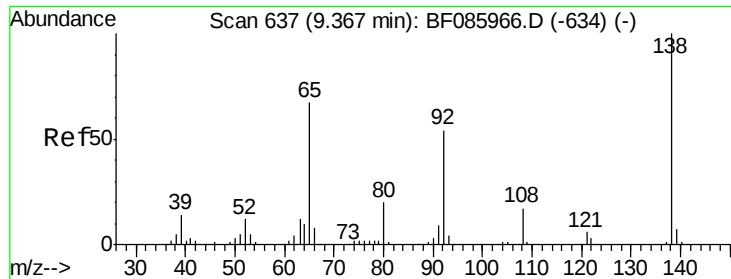


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

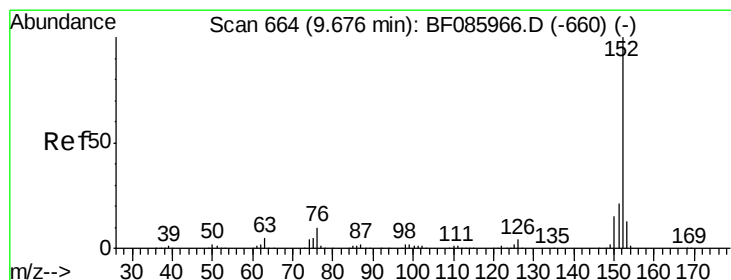
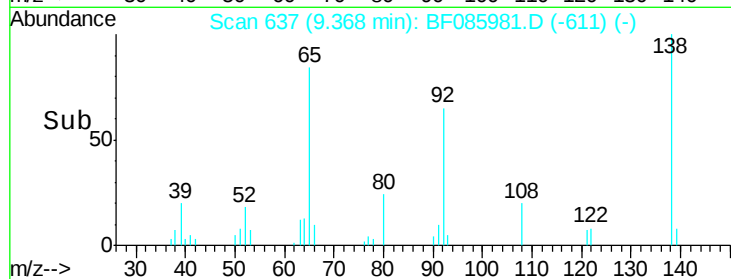
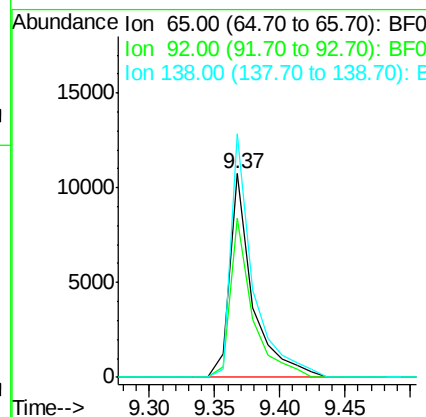
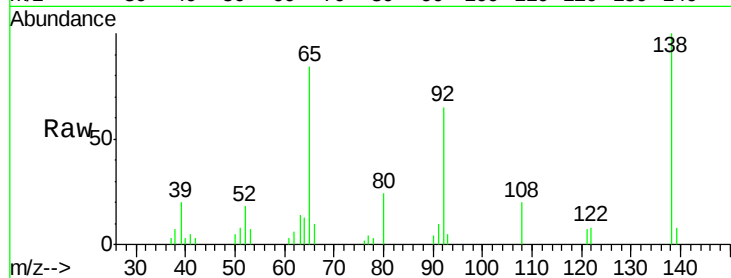




#47
2-Nitroaniline
Concen: 3.79 ng
RT: 9.37 min Scan# 637
Delta R.T. 0.00 min
Lab File: BF085981.D
Acq: 2 Apr 2016 00:39

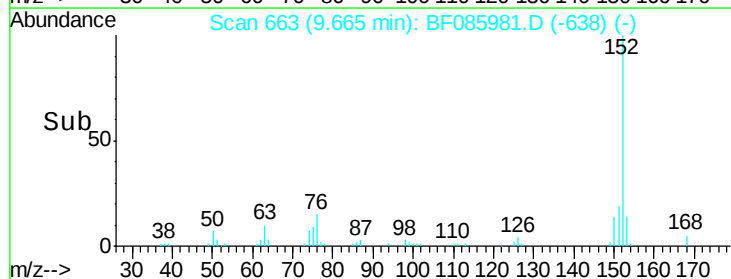
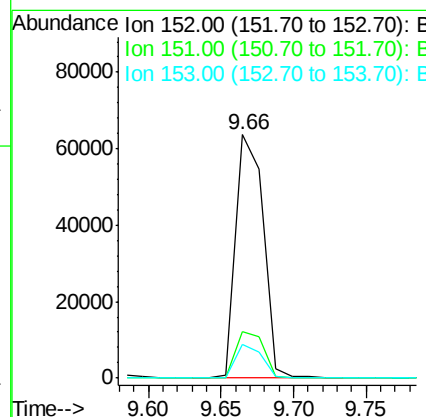
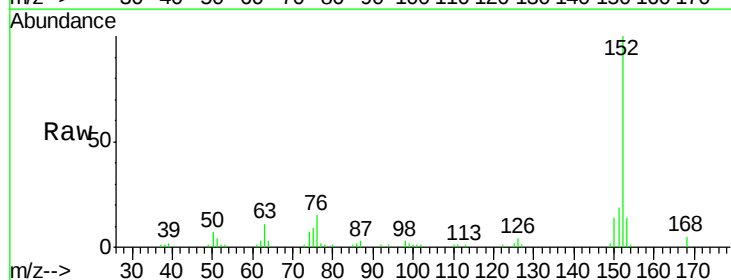
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

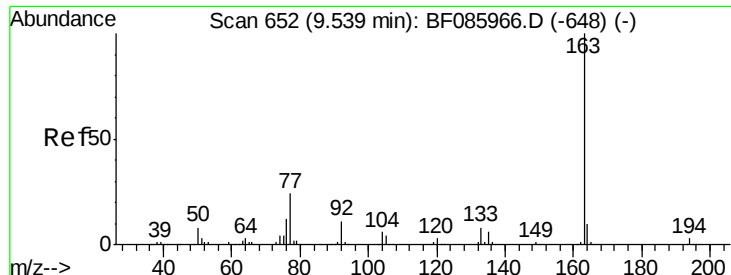
Tot Ion: 65 Resp: 13223
Ion Ratio Lower Upper
65 100
92 77.9 59.7 89.5
138 119.6 91.4 137.0



#48
Acenaphthylene
Concen: 4.39 ng
RT: 9.66 min Scan# 663
Delta R.T. -0.01 min
Lab File: BF085981.D
Acq: 2 Apr 2016 00:39

Tgt Ion: 152 Resp: 83895
Ion Ratio Lower Upper
152 100
151 19.3 16.8 25.2
153 13.8 10.9 16.3

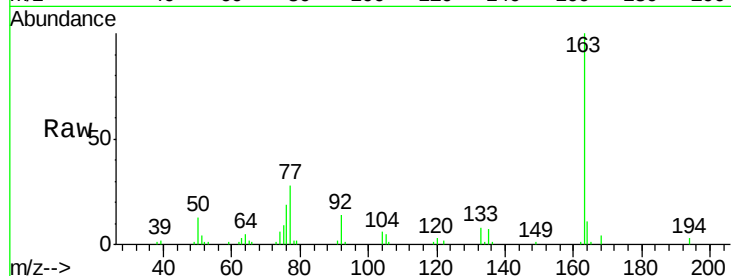




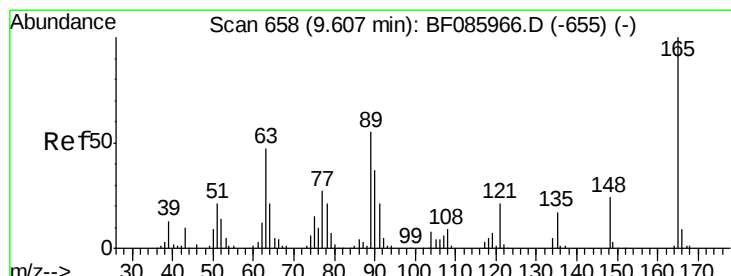
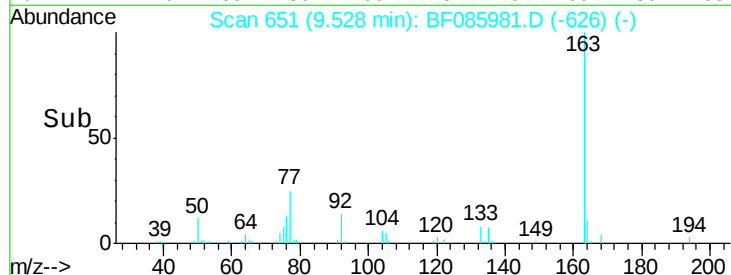
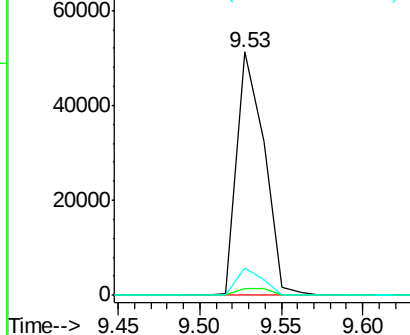
#49
Dimethylphthalate
Concen: 4.19 ng
RT: 9.53 min Scan# 651
Delta R.T. -0.01 min
Lab File: BF085981.D
Acq: 2 Apr 2016 00:39

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tot Ion:163 Resp: 59241
Ion Ratio Lower Upper
163 100
194 2.7 2.9 4.3#
164 11.1 8.3 12.5

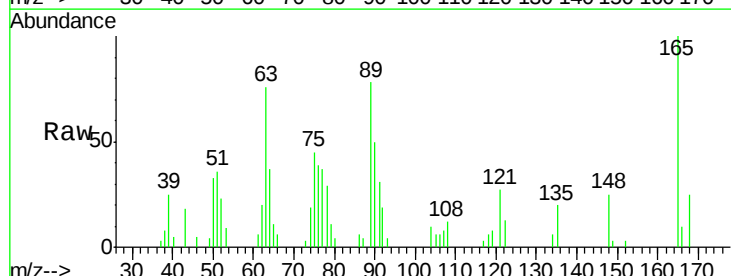


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

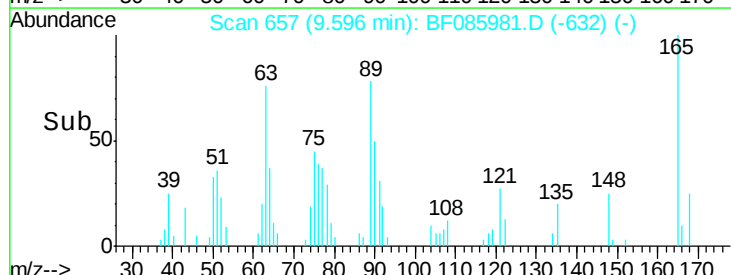
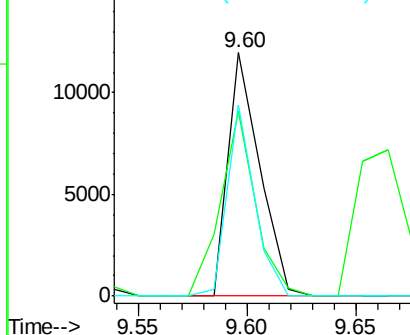


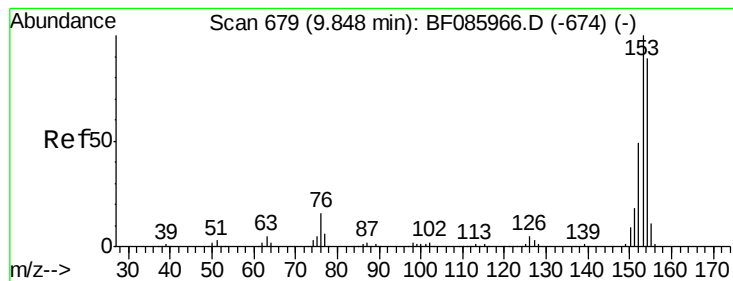
#50
2,6-Dinitrotoluene
Concen: 4.03 ng
RT: 9.60 min Scan# 657
Delta R.T. -0.01 min
Lab File: BF085981.D
Acq: 2 Apr 2016 00:39

Tgt Ion:165 Resp: 12064
Ion Ratio Lower Upper
165 100
63 75.7 51.8 77.8
89 78.3 53.7 80.5



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: 4.52 ng

RT: 9.84 min Scan# 678

Delta R.T. -0.01 min

Lab File: BF085981.D

Acq: 2 Apr 2016 00:39

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

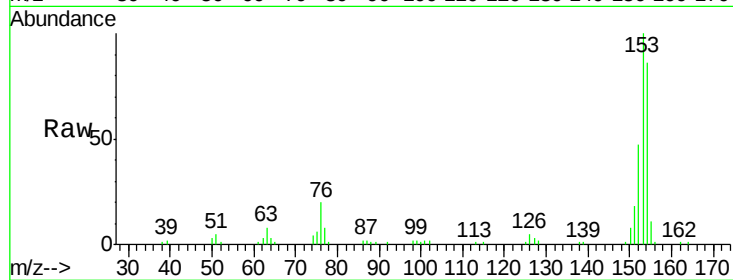
Tot Ion:154 Resp: 51335

Ion Ratio Lower Upper

154 100

153 115.7 90.1 135.1

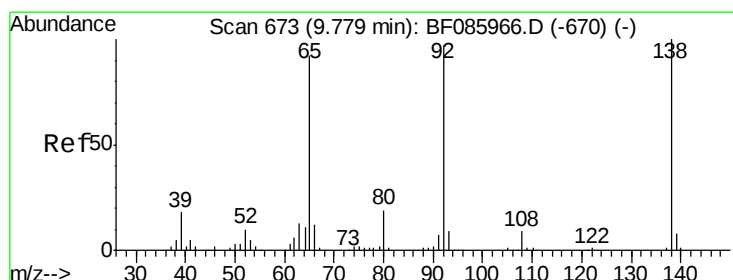
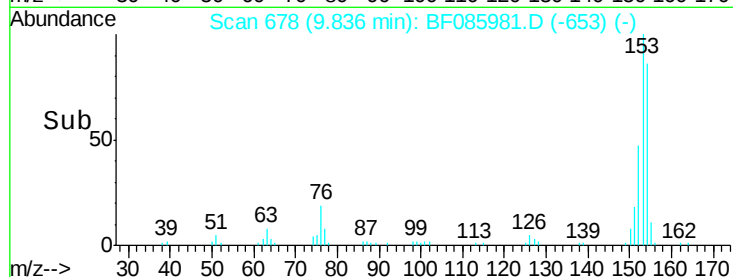
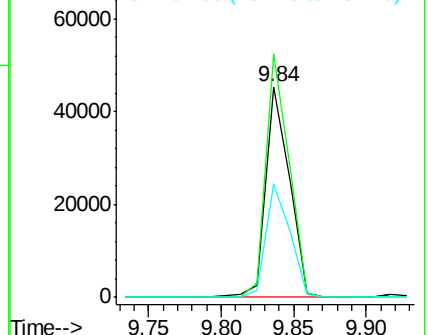
152 53.9 44.2 66.2



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: 3.59 ng

RT: 9.78 min Scan# 673

Delta R.T. 0.00 min

Lab File: BF085981.D

Acq: 2 Apr 2016 00:39

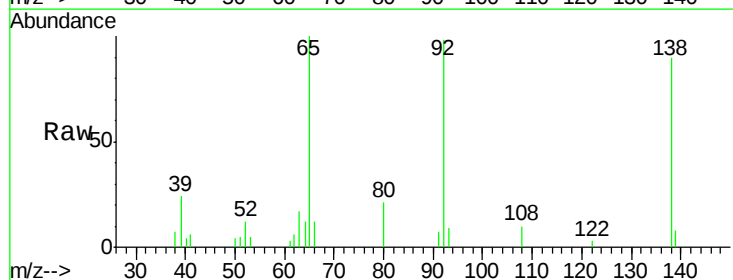
Tgt Ion:138 Resp: 12942

Ion Ratio Lower Upper

138 100

108 11.0 8.7 13.1

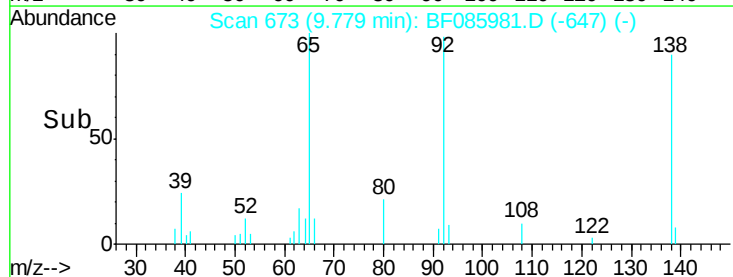
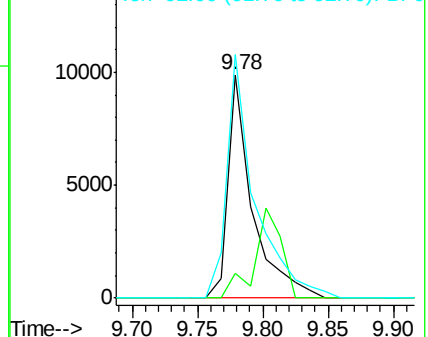
92 108.8 93.3 139.9

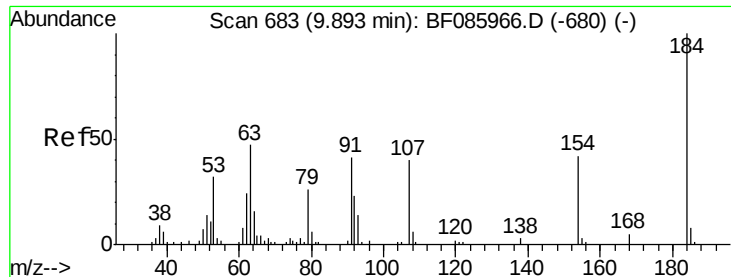


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

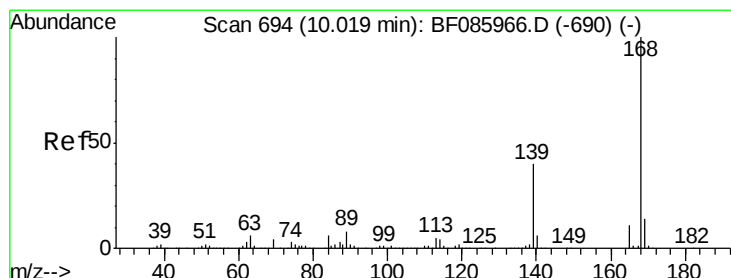
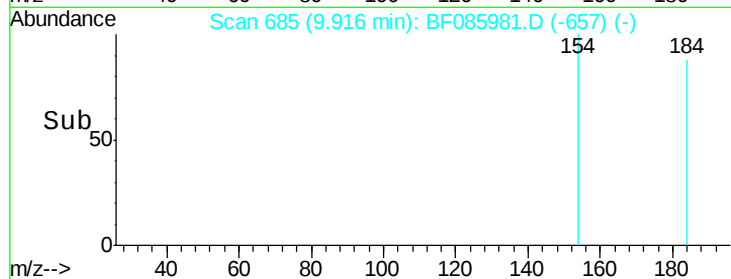
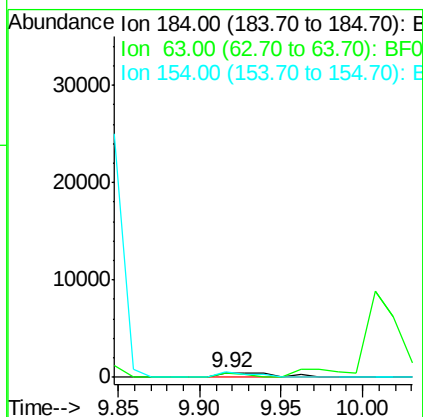
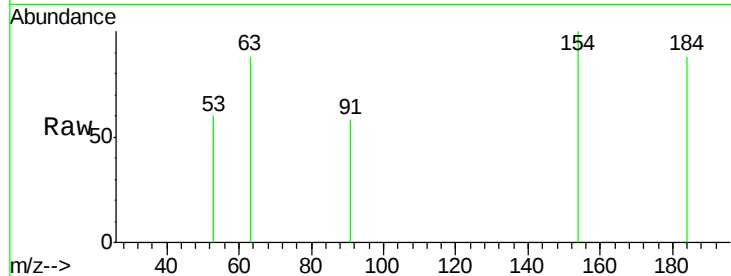




#53
2,4-Dinitrophenol
Concen: 3.04 ng
RT: 9.92 min Scan# 685
Delta R.T. 0.02 min
Lab File: BF085981.D
Acq: 2 Apr 2016 00:39

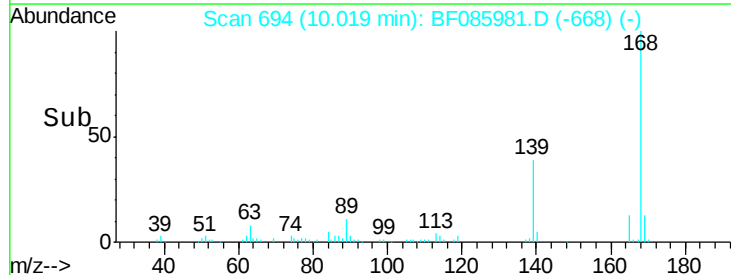
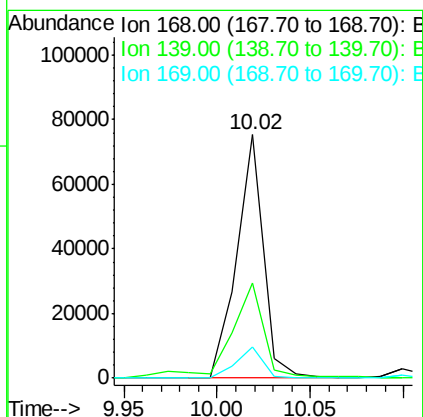
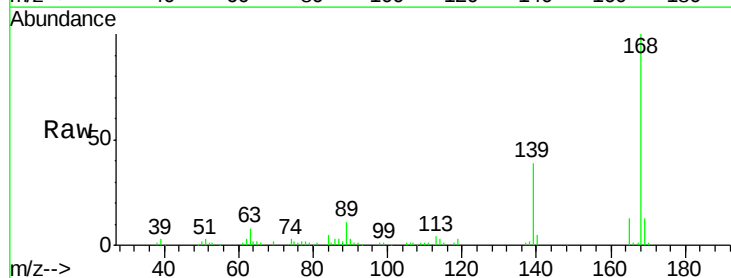
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

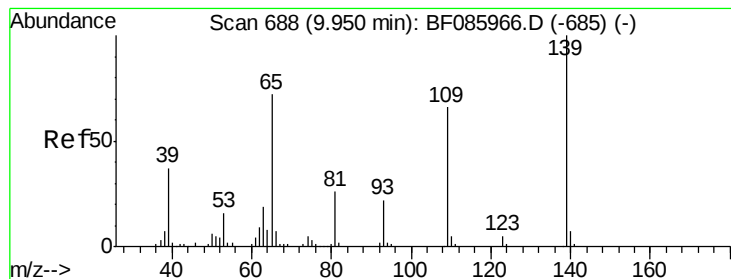
Tot Ion:184 Resp: 1168
Ion Ratio Lower Upper
184 100
63 100.4 69.5 104.3
154 114.2 58.3 87.5#



#54
Dibenzofuran
Concen: 5.02 ng
RT: 10.02 min Scan# 694
Delta R.T. 0.00 min
Lab File: BF085981.D
Acq: 2 Apr 2016 00:39

Tgt Ion:168 Resp: 75344
Ion Ratio Lower Upper
168 100
139 39.1 31.9 47.9
169 12.9 11.0 16.6





#55

4-Nitrophenol

Concen: 17.79 ng

RT: 10.02 min Scan# 694

Delta R.T. 0.07 min

Lab File: BF085981.D

Acq: 2 Apr 2016 00:39

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

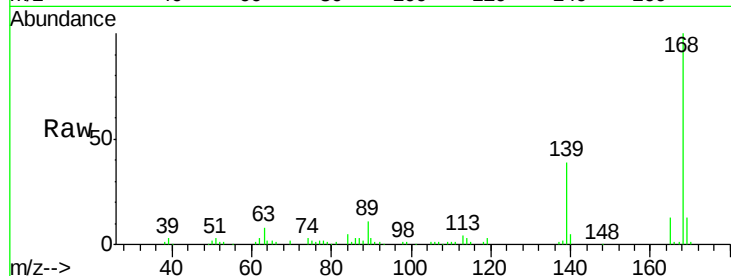
Tot Ion:139 Resp: 37803

Ion Ratio Lower Upper

139 100

109 2.9 49.2 89.2#

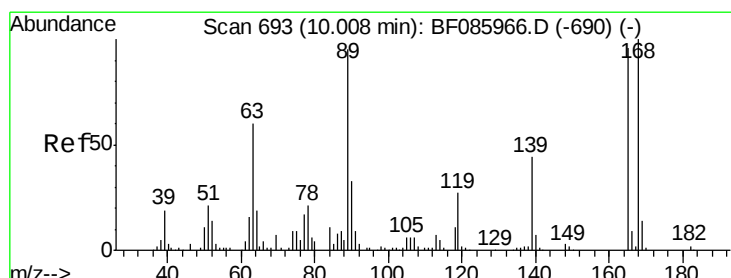
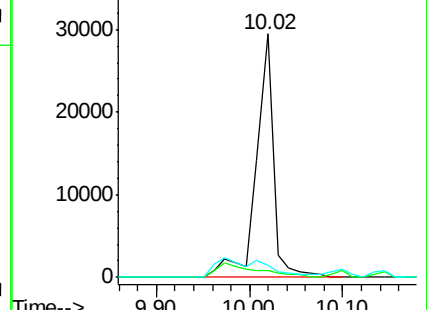
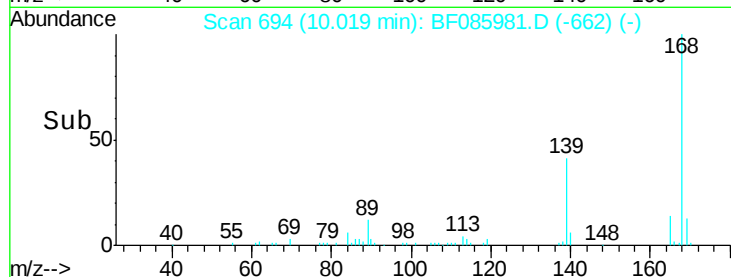
65 5.0 66.9 106.9#



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



#56

2,4-Dinitrotoluene

Concen: 4.00 ng

RT: 10.02 min Scan# 694

Delta R.T. 0.01 min

Lab File: BF085981.D

Acq: 2 Apr 2016 00:39

Tgt Ion:165 Resp: 15107

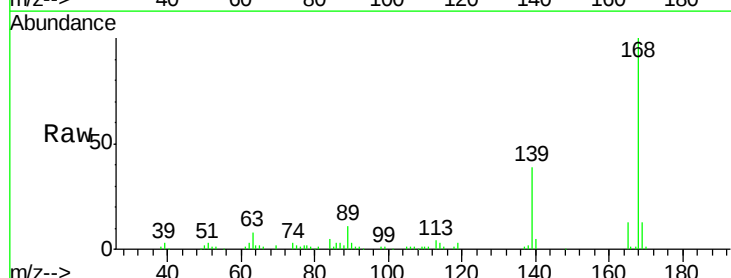
Ion Ratio Lower Upper

165 100

63 64.2 24.9 37.3#

89 84.6 41.0 61.6#

182 0.0 2.1 3.1#

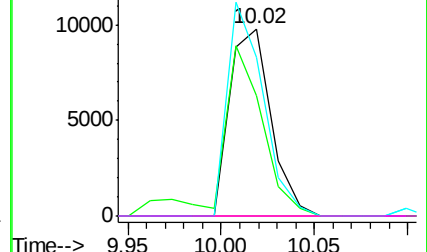
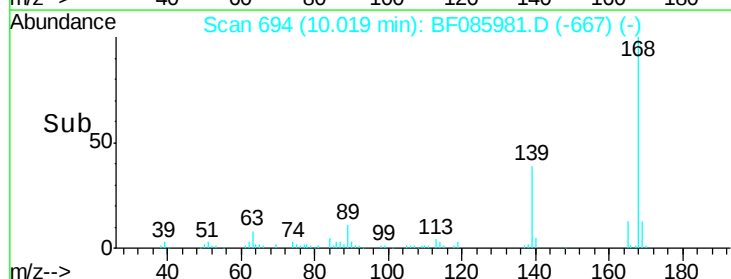


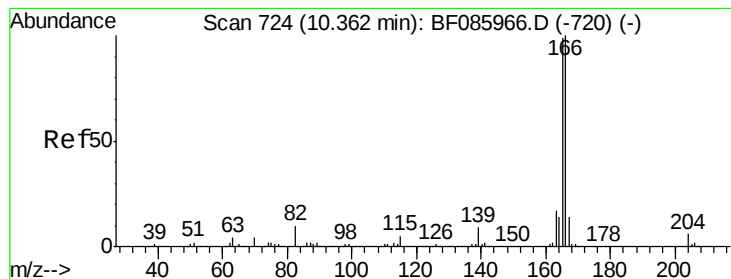
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 4.73 ng

RT: 10.35 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF085981.D

Acq: 2 Apr 2016 00:39

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

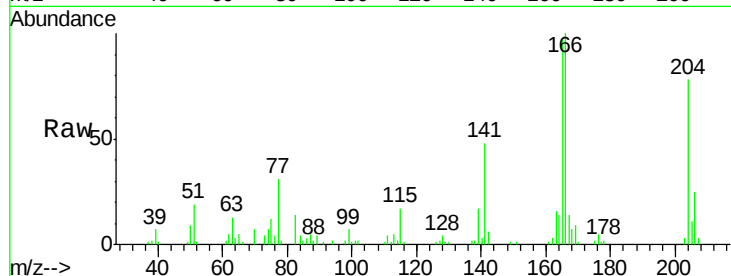
Tot Ion:166 Resp: 60634

Ion Ratio Lower Upper

166 100

165 97.0 79.4 119.0

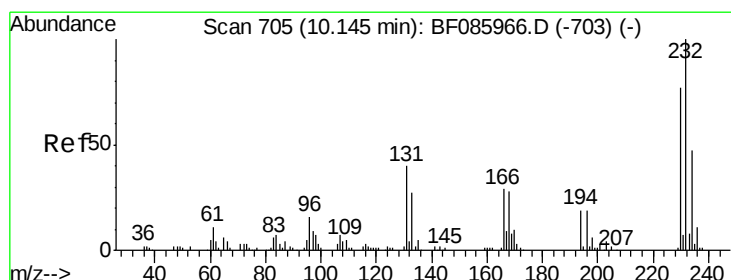
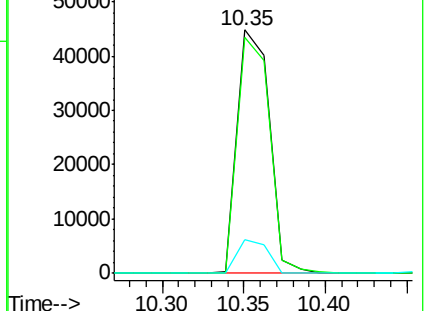
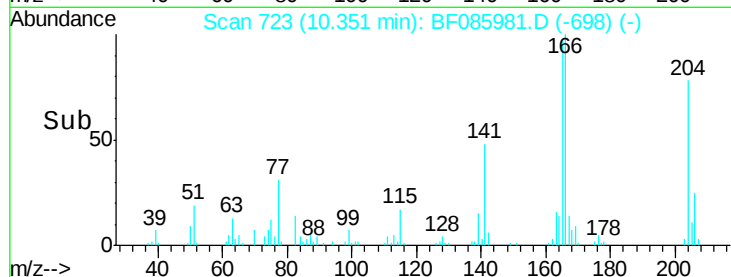
167 14.0 11.0 16.4



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: 4.19 ng

RT: 10.14 min Scan# 705

Delta R.T. 0.00 min

Lab File: BF085981.D

Acq: 2 Apr 2016 00:39

Tgt Ion:232 Resp: 11664

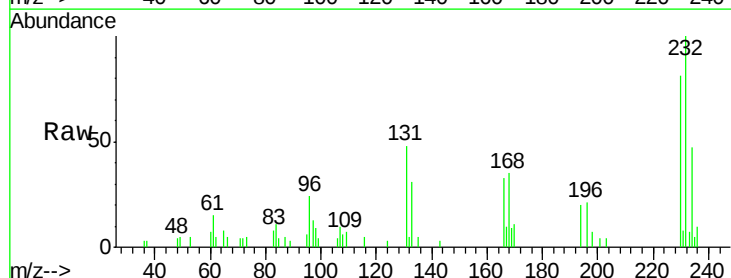
Ion Ratio Lower Upper

232 100

131 55.8 44.9 67.3

130 0.0 2.3 3.5#

166 31.7 28.1 42.1

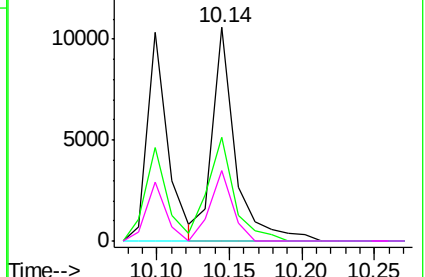
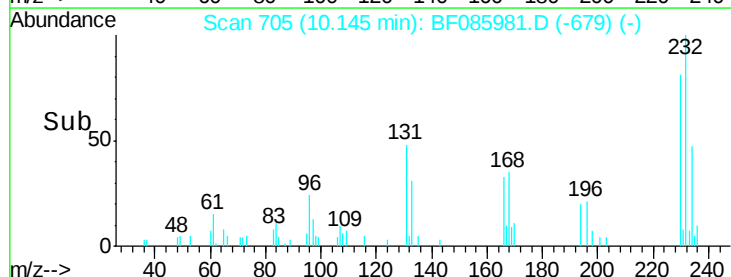


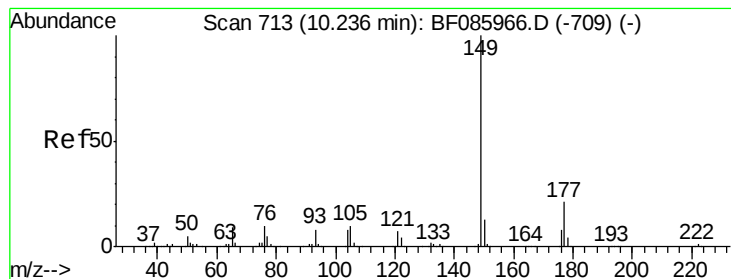
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 4.18 ng

RT: 10.24 min Scan# 713

Delta R.T. 0.00 min

Lab File: BF085981.D

Acq: 2 Apr 2016 00:39

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

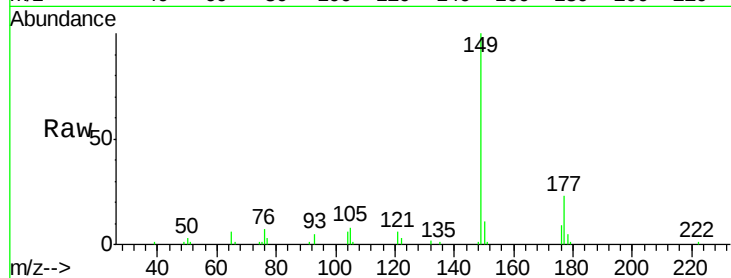
Tot Ion:149 Resp: 59718

Ion Ratio Lower Upper

149 100

177 23.1 17.9 26.9

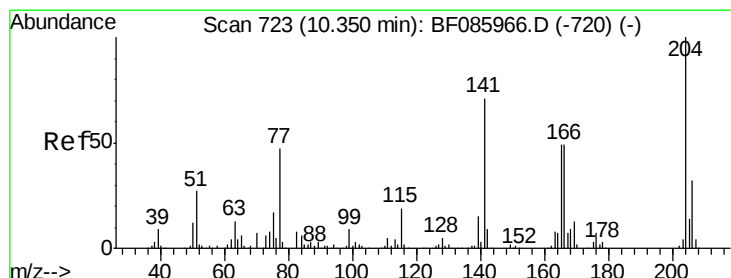
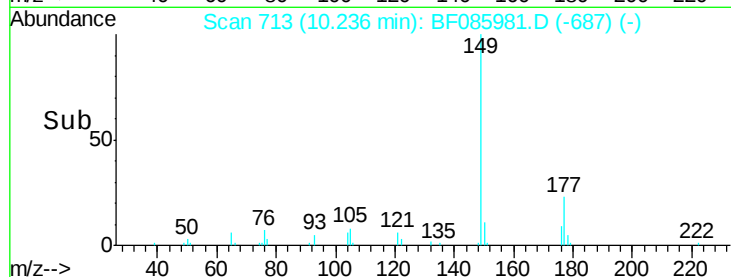
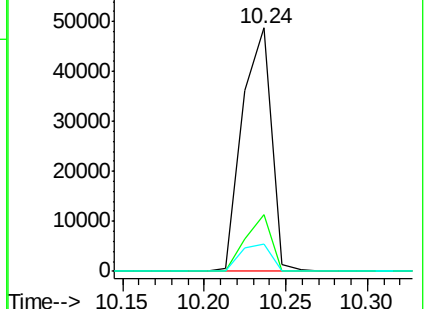
150 11.4 10.2 15.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 4.91 ng

RT: 10.35 min Scan# 723

Delta R.T. 0.00 min

Lab File: BF085981.D

Acq: 2 Apr 2016 00:39

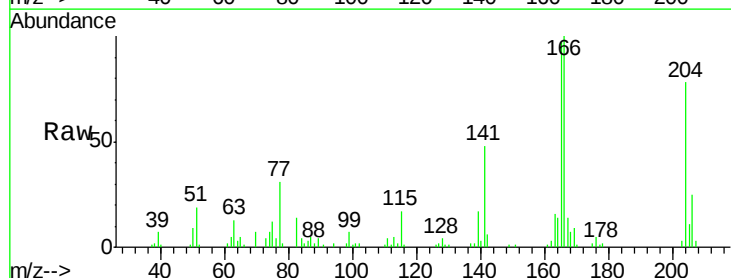
Tgt Ion:204 Resp: 29322

Ion Ratio Lower Upper

204 100

206 31.5 26.6 39.8

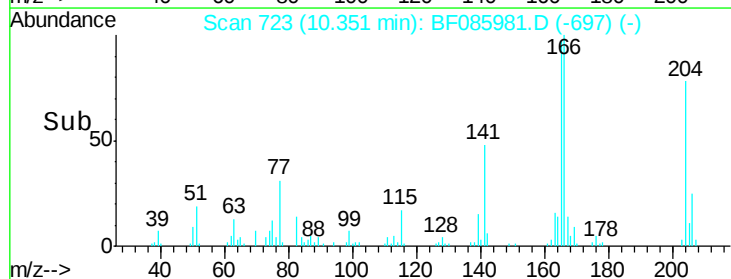
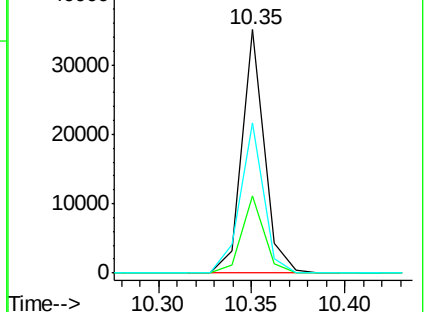
141 61.6 57.4 86.0

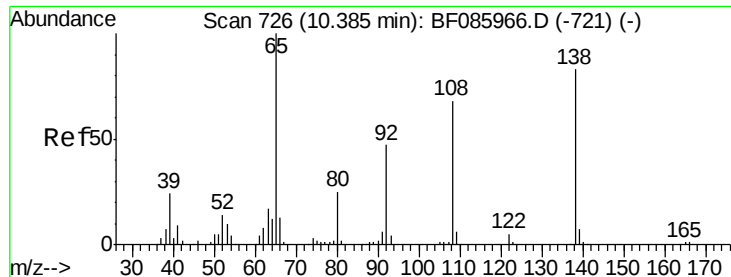


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

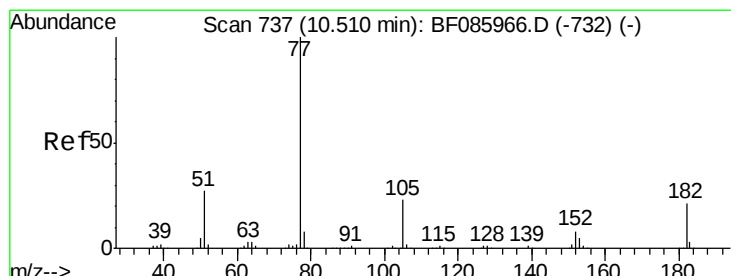
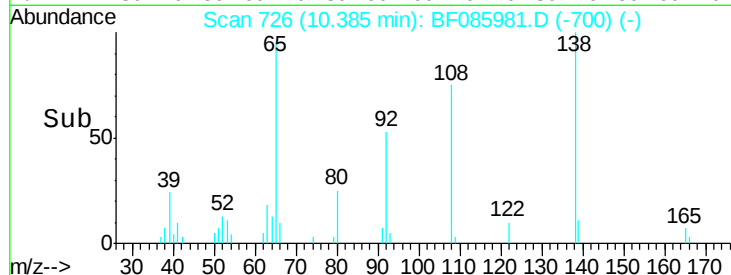
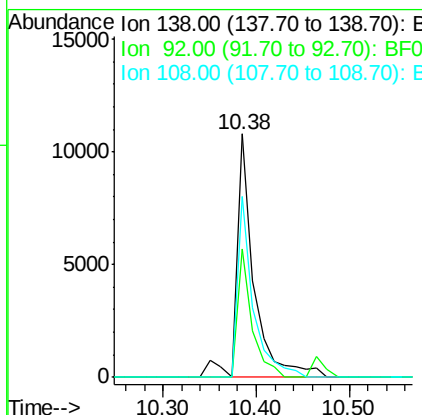
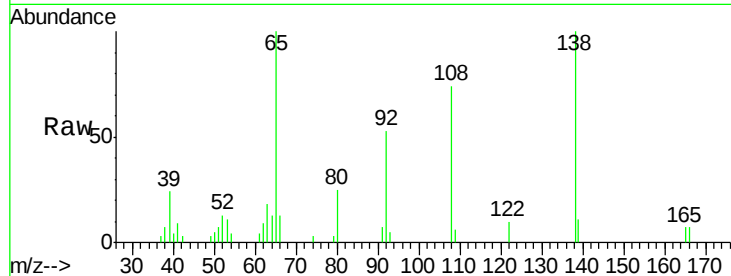




#61
4-Nitroaniline
Concen: 3.95 ng
RT: 10.38 min Scan# 726
Delta R.T. 0.00 min
Lab File: BF085981.D
Acq: 2 Apr 2016 00:39

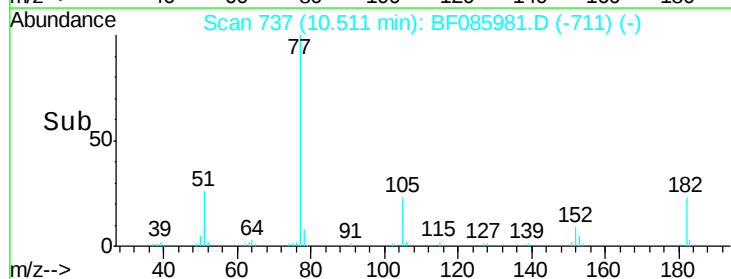
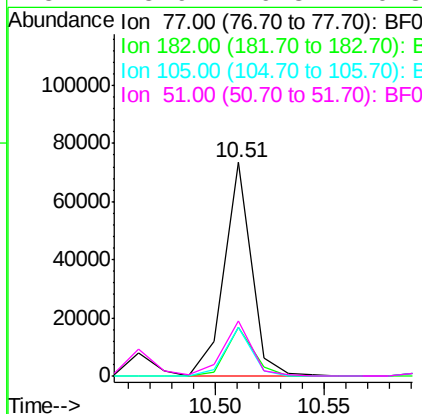
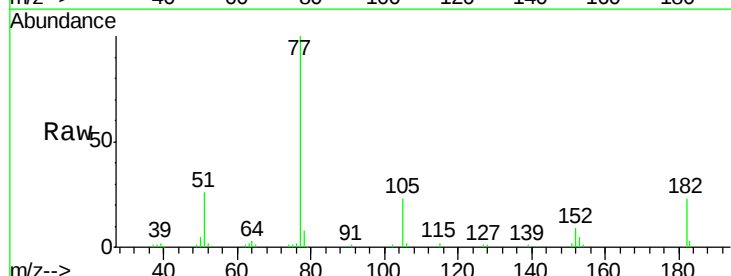
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

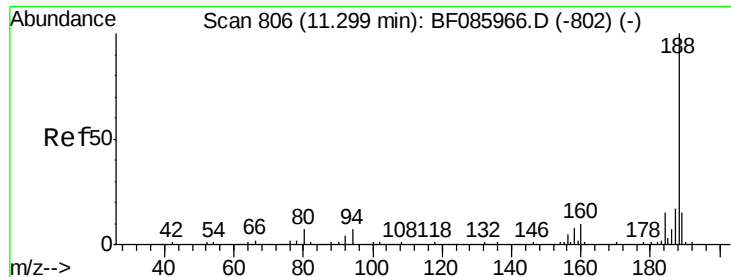
Tot Ion:138 Resp: 14037
Ion Ratio Lower Upper
138 100
92 52.9 26.4 66.4
108 74.5 49.0 89.0



#62
Azobenzene
Concen: 4.65 ng
RT: 10.51 min Scan# 737
Delta R.T. 0.00 min
Lab File: BF085981.D
Acq: 2 Apr 2016 00:39

Tgt Ion: 77 Resp: 63538
Ion Ratio Lower Upper
77 100
182 23.1 1.9 41.9
105 22.6 3.5 43.5
51 25.9 6.3 46.3

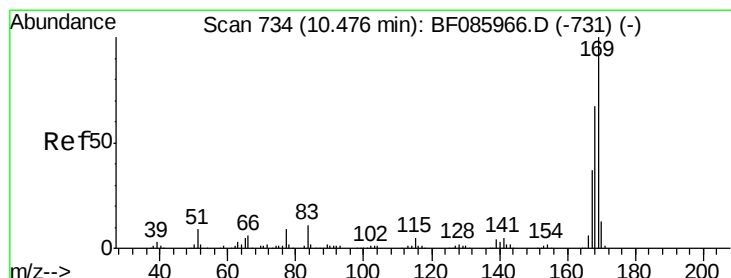
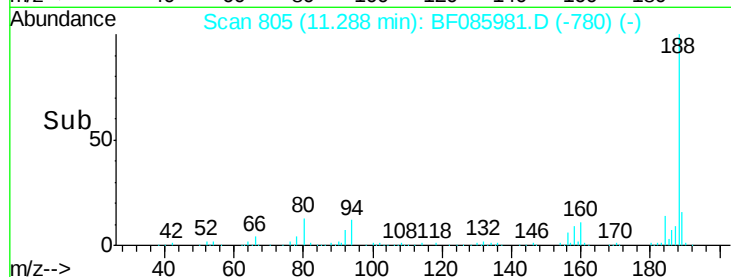
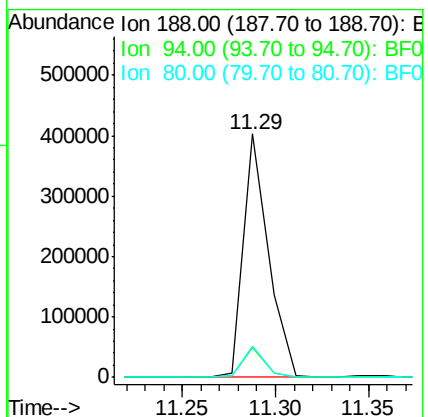
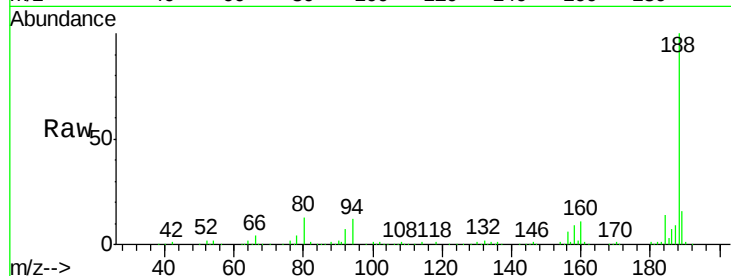




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF085981.D
Acq: 2 Apr 2016 00:39

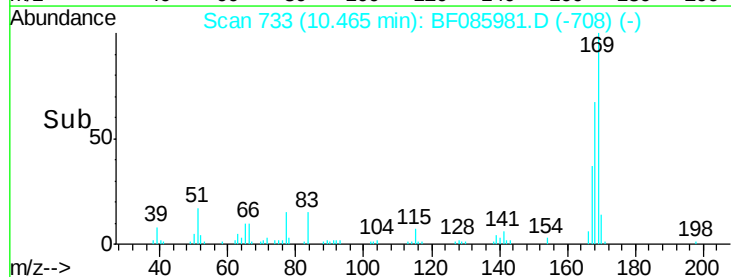
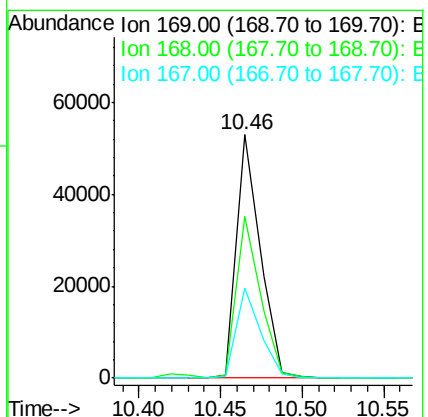
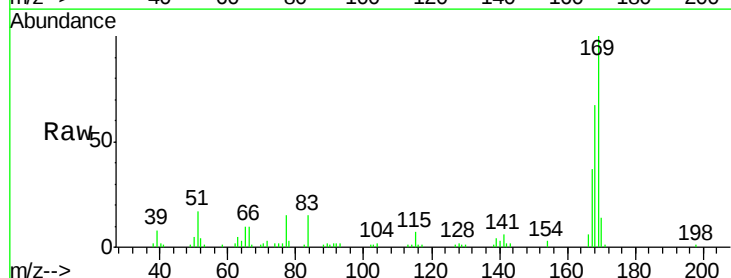
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

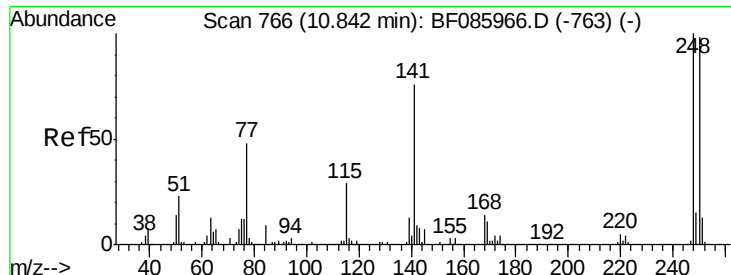
Tot Ion:188 Resp: 378102
Ion Ratio Lower Upper
188 100
94 12.2 5.4 8.0#
80 13.0 5.5 8.3#



#65
n-Nitrosodiphenylamine
Concen: 4.49 ng
RT: 10.46 min Scan# 733
Delta R.T. -0.01 min
Lab File: BF085981.D
Acq: 2 Apr 2016 00:39

Tgt Ion:169 Resp: 53059
Ion Ratio Lower Upper
169 100
168 66.5 54.4 81.6
167 36.8 29.4 44.0

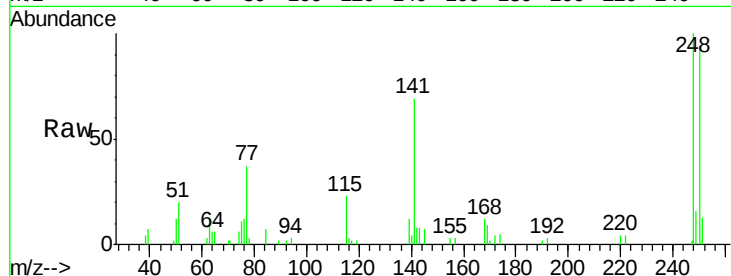




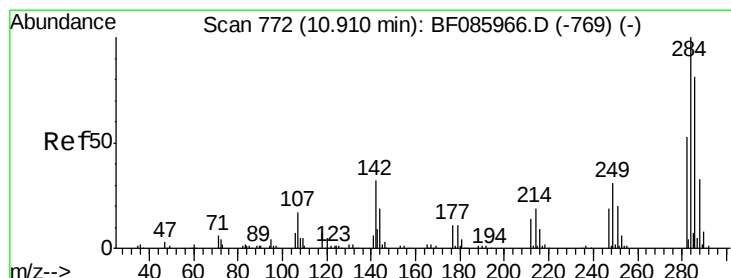
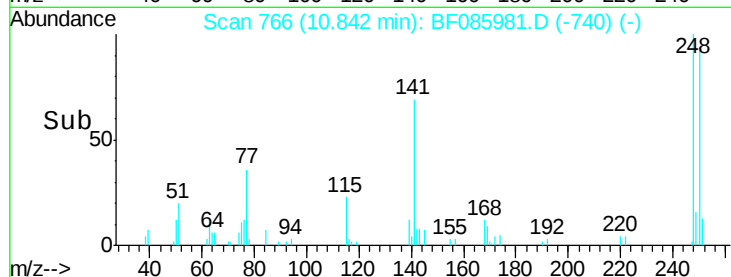
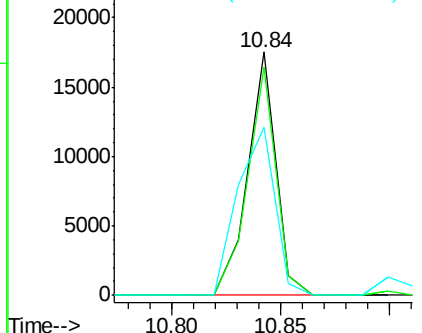
#66
4-Bromophenyl-phenylether
Concen: 4.07 ng
RT: 10.84 min Scan# 766
Delta R.T. 0.00 min
Lab File: BF085981.D
Acq: 2 Apr 2016 00:39

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tot Ion:248 Resp: 15710
Ion Ratio Lower Upper
248 100
250 93.9 77.4 116.0
141 68.8 63.6 95.4

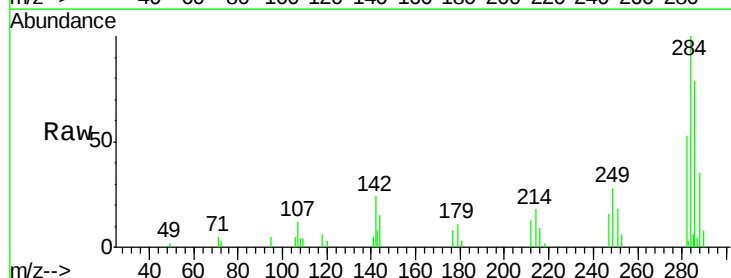


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

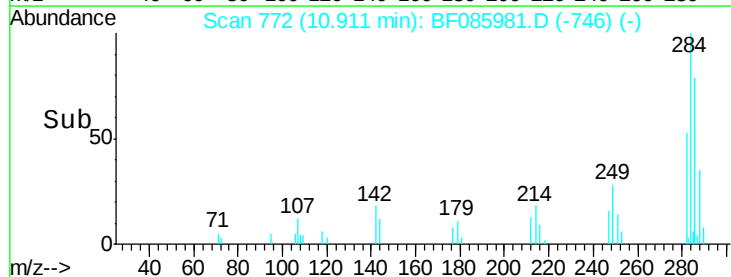
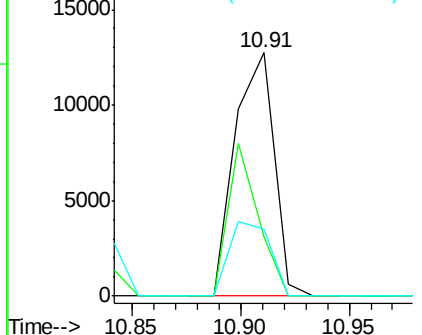


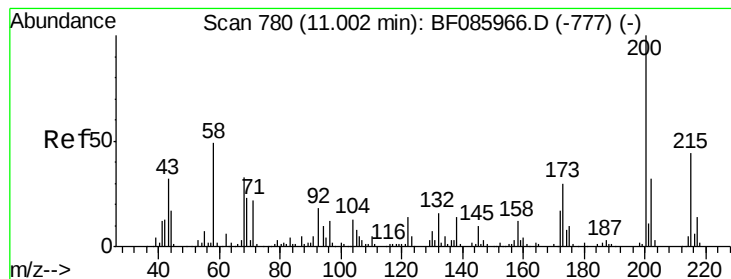
#67
Hexachlorobenzene
Concen: 3.98 ng
RT: 10.91 min Scan# 772
Delta R.T. 0.00 min
Lab File: BF085981.D
Acq: 2 Apr 2016 00:39

Tgt Ion:284 Resp: 15874
Ion Ratio Lower Upper
284 100
142 24.4 23.1 34.7
249 27.7 24.2 36.2



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





#68

Atrazine

Concen: 4.16 ng

RT: 10.99 min Scan# 779

Delta R.T. -0.01 min

Lab File: BF085981.D

Acq: 2 Apr 2016 00:39

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

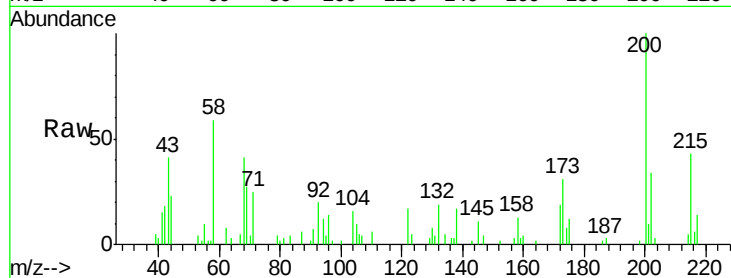
Tot Ion:200 Resp: 15876

Ion Ratio Lower Upper

200 100

173 31.0 7.7 47.7

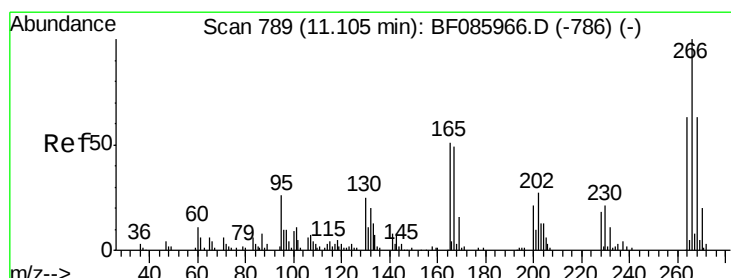
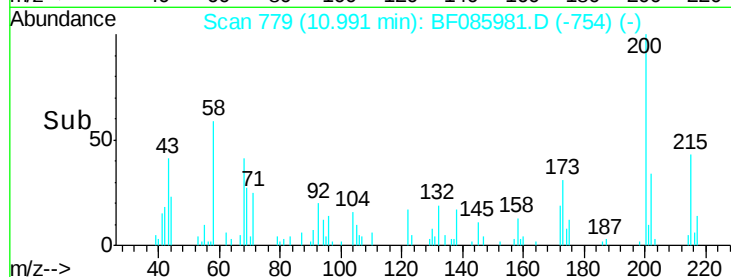
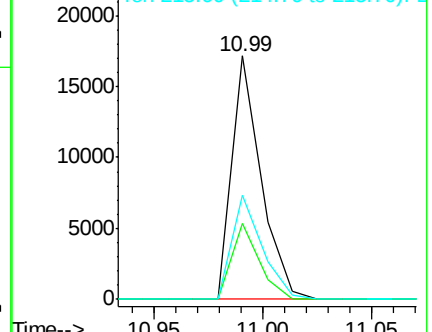
215 43.0 25.4 65.4



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#69

Pentachlorophenol

Concen: 2.24 ng

RT: 11.12 min Scan# 790

Delta R.T. 0.01 min

Lab File: BF085981.D

Acq: 2 Apr 2016 00:39

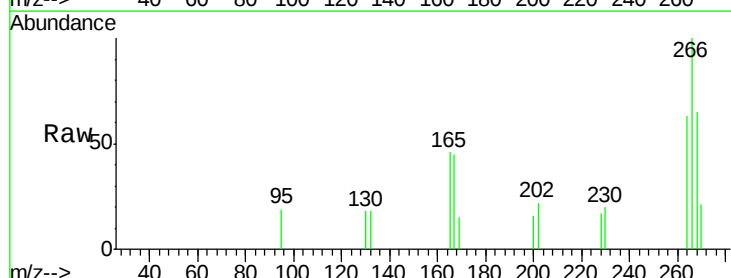
Tgt Ion:266 Resp: 4200

Ion Ratio Lower Upper

266 100

268 64.7 51.5 77.3

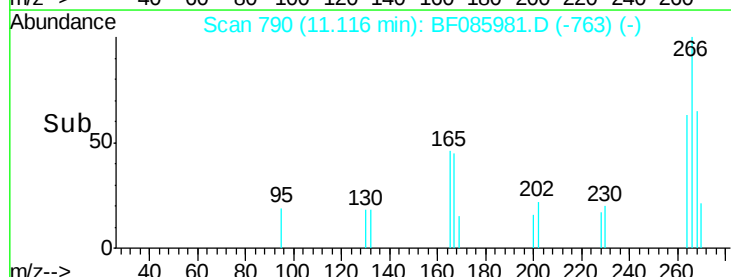
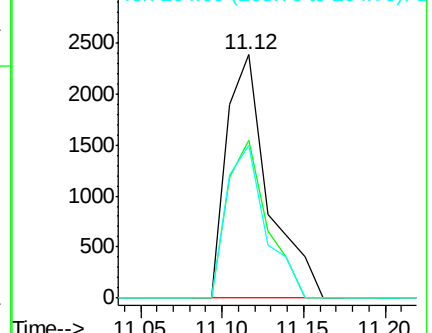
264 62.8 50.6 76.0

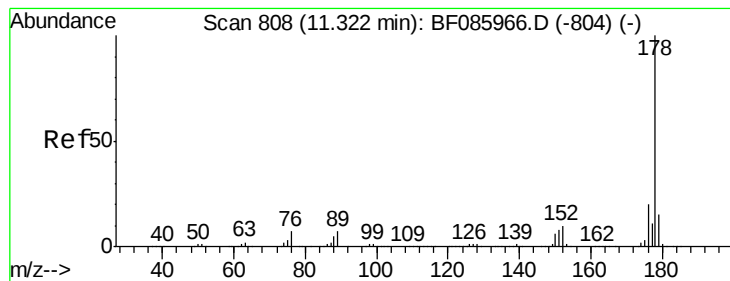


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#70

Phenanthrene

Concen: 4.62 ng

RT: 11.31 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF085981.D

Acq: 2 Apr 2016 00:39

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

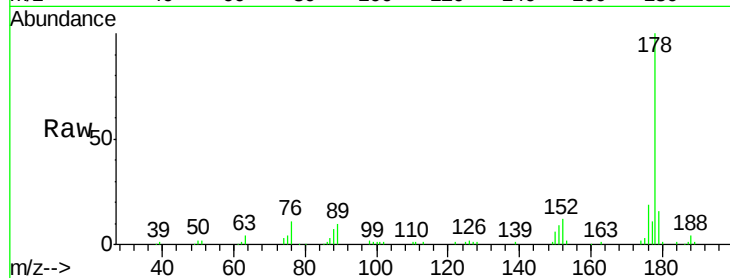
Tot Ion:178 Resp: 95291

Ion Ratio Lower Upper

178 100

176 19.4 16.3 24.5

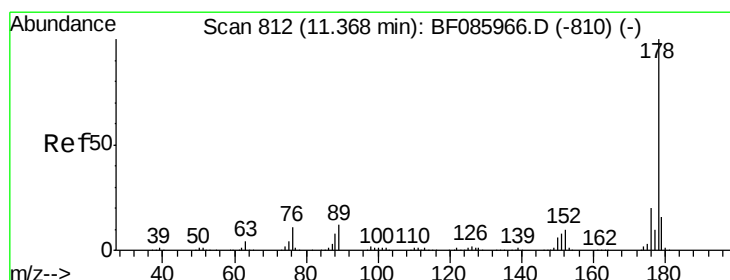
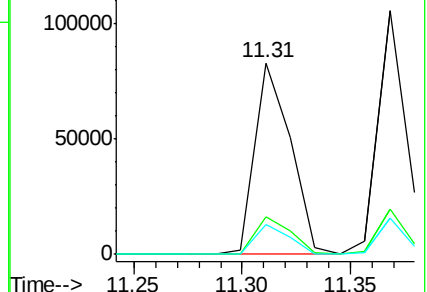
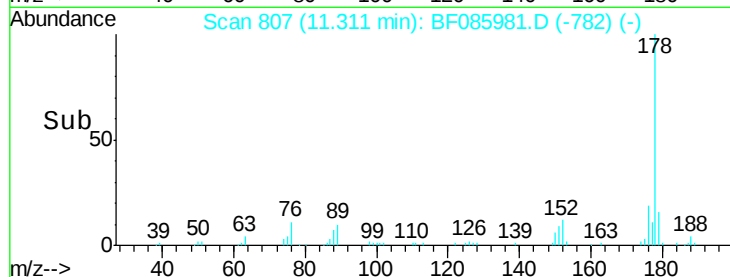
179 15.9 12.6 18.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 4.65 ng

RT: 11.37 min Scan# 812

Delta R.T. 0.00 min

Lab File: BF085981.D

Acq: 2 Apr 2016 00:39

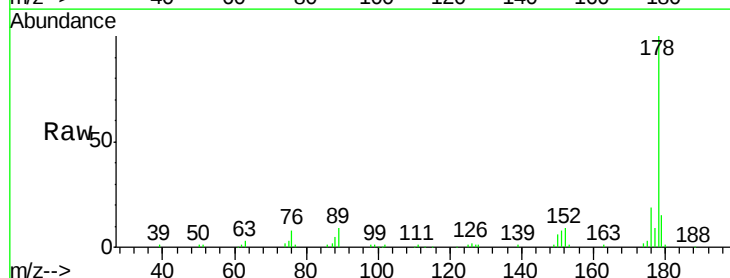
Tgt Ion:178 Resp: 100572

Ion Ratio Lower Upper

178 100

176 18.6 15.9 23.9

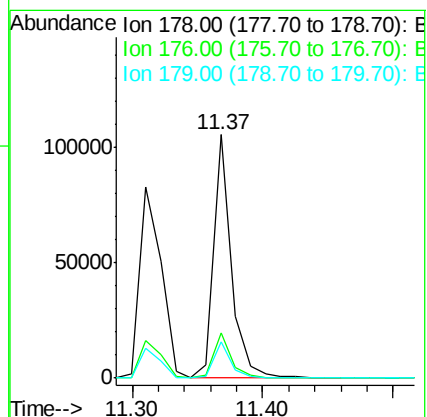
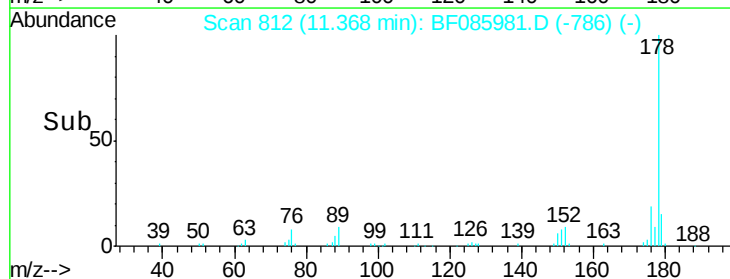
179 15.1 13.0 19.4

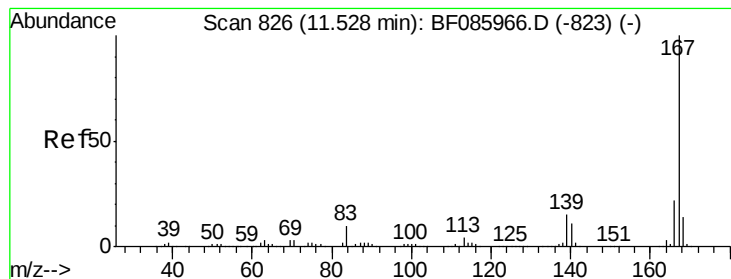


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 4.77 ng

RT: 11.53 min Scan# 826

Delta R.T. 0.00 min

Lab File: BF085981.D

Acq: 2 Apr 2016 00:39

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

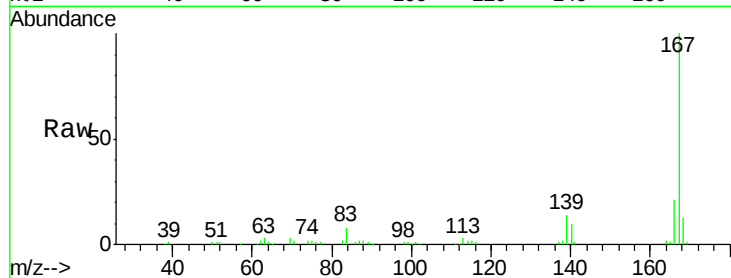
Tot Ion:167 Resp: 88605

Ion Ratio Lower Upper

167 100

166 20.9 17.8 26.8

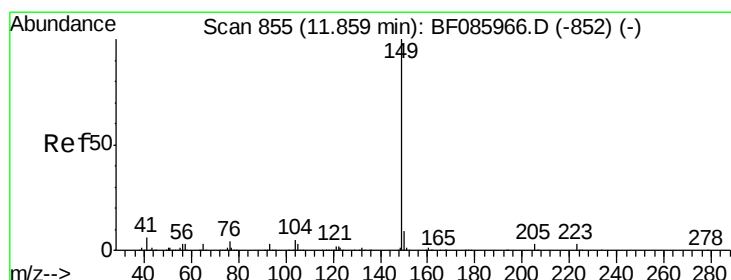
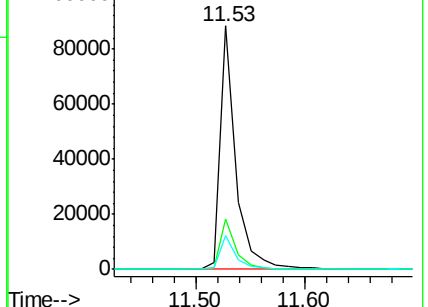
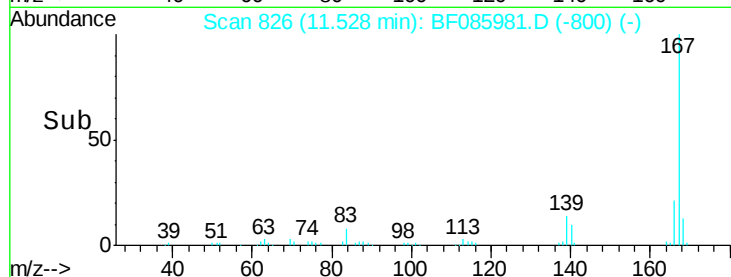
139 13.8 11.6 17.4



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: 4.01 ng

RT: 11.86 min Scan# 855

Delta R.T. 0.00 min

Lab File: BF085981.D

Acq: 2 Apr 2016 00:39

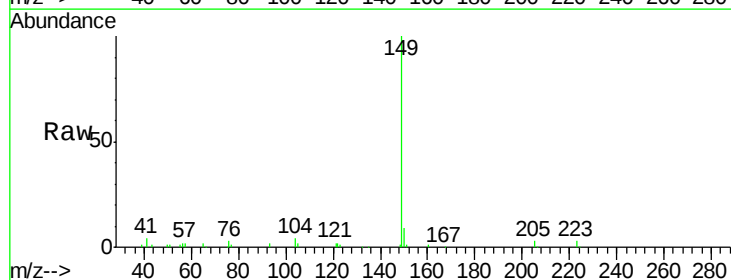
Tgt Ion:149 Resp: 92177

Ion Ratio Lower Upper

149 100

150 8.7 7.6 11.4

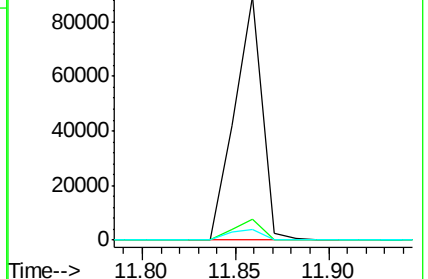
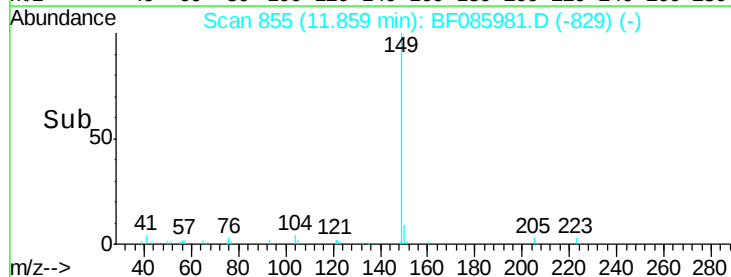
104 4.1 3.8 5.8

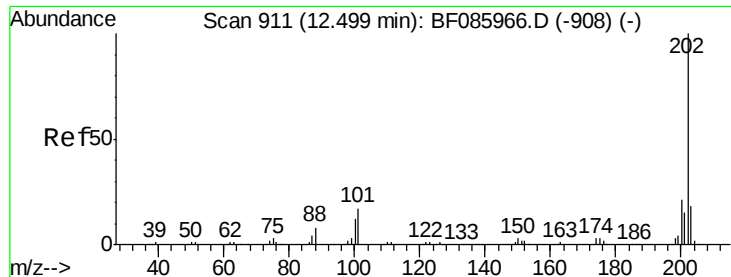


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

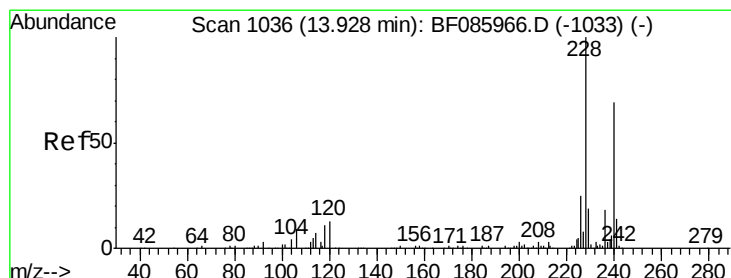
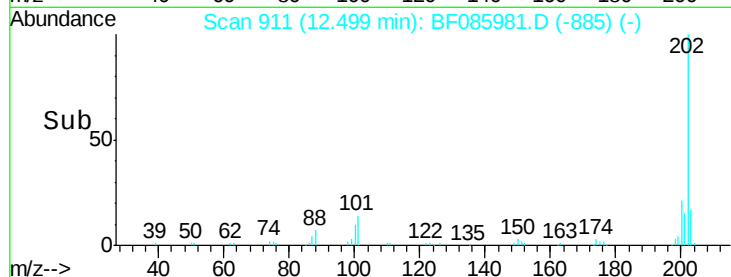
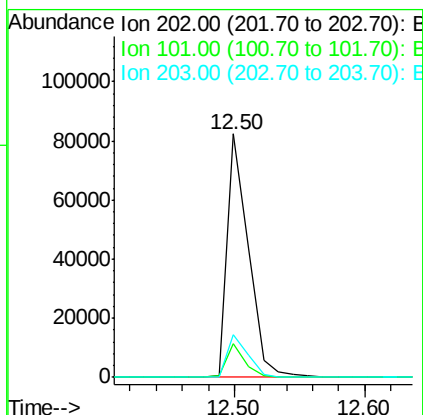
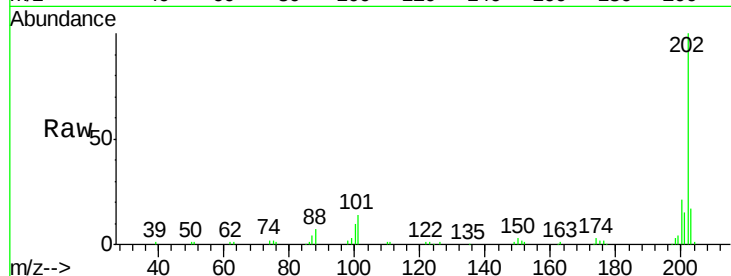




#74
Fluoranthene
 Concen: 4.33 ng
 RT: 12.50 min Scan# 911
 Delta R.T. 0.00 min
 Lab File: BF085981.D
 Acq: 2 Apr 2016 00:39

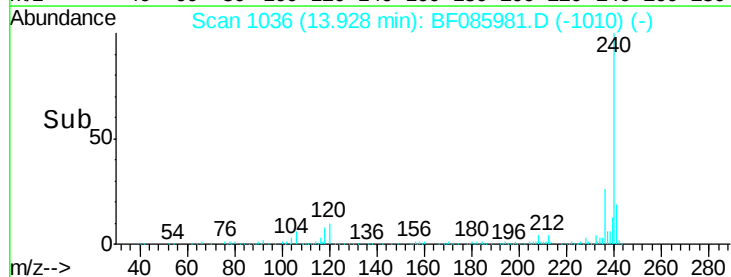
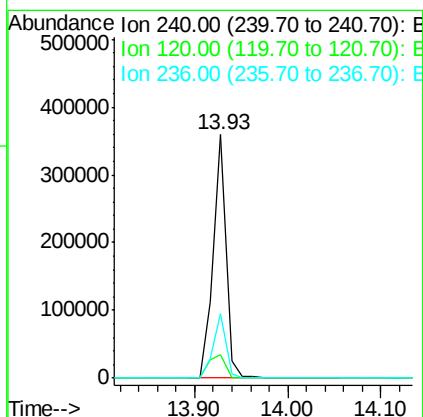
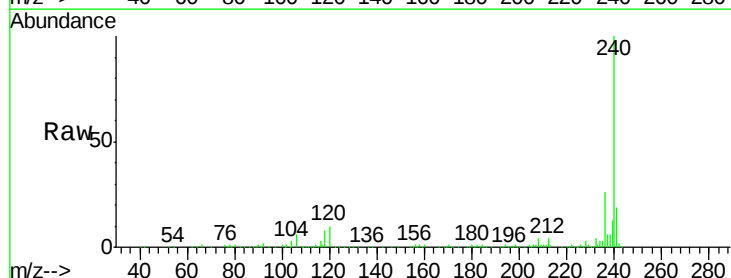
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

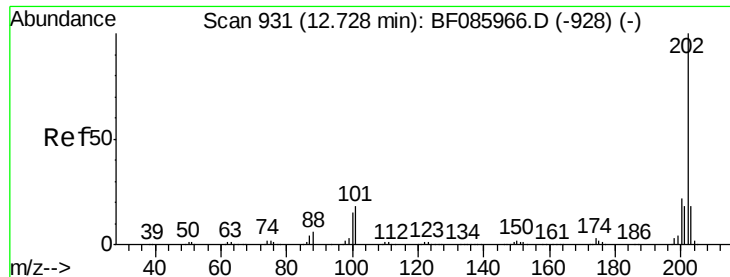
Tot Ion:202 Resp: 92871
 Ion Ratio Lower Upper
 202 100
 101 14.0 0.0 36.6
 203 17.4 0.0 38.1



#75
Chrysene-d12
 Concen: 20.00 ng
 RT: 13.93 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: BF085981.D
 Acq: 2 Apr 2016 00:39

Tgt Ion:240 Resp: 346569
 Ion Ratio Lower Upper
 240 100
 120 9.7 13.8 20.8#
 236 26.4 20.6 30.8

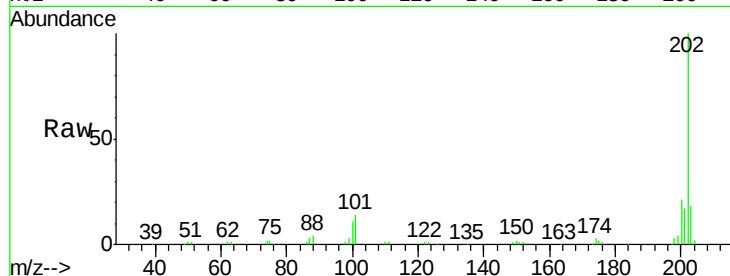




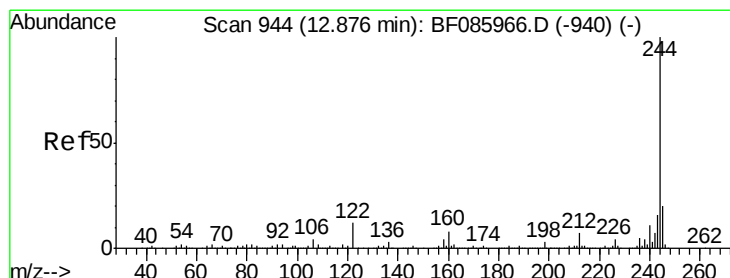
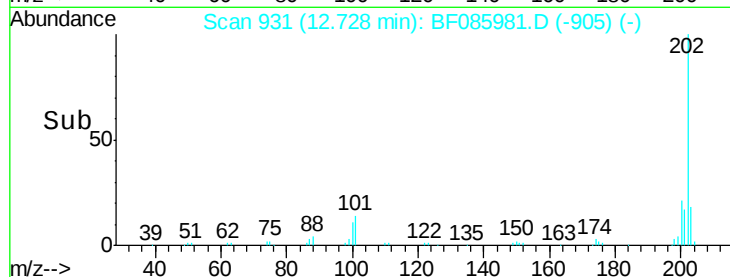
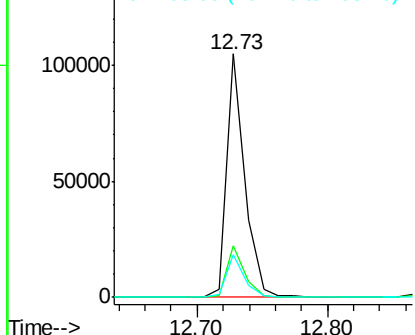
#77
Pvrene
Concen: 4.11 ng
RT: 12.73 min Scan# 931
Delta R.T. 0.00 min
Lab File: BF085981.D
Acq: 2 Apr 2016 00:39

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tot Ion:202 Resp: 100496
Ion Ratio Lower Upper
202 100
200 21.3 17.6 26.4
203 17.6 14.0 21.0

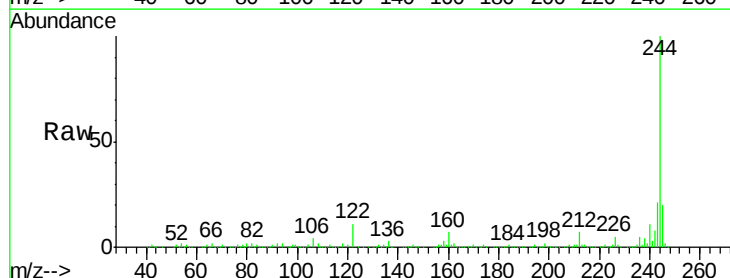


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

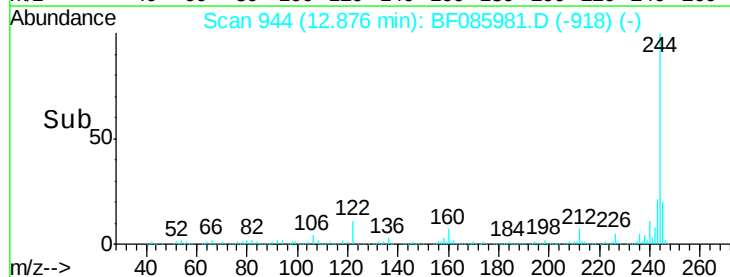
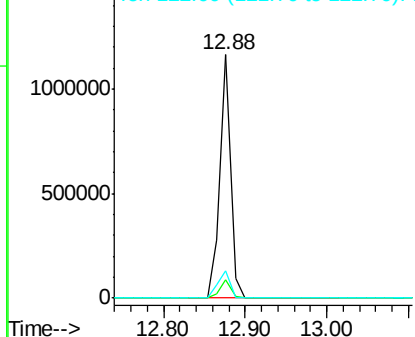


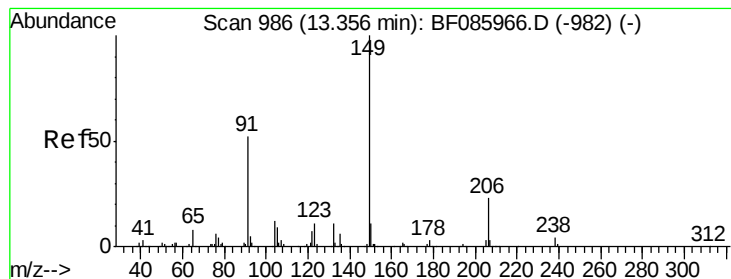
#78
Terphenyl-d14
Concen: 72.13 ng
RT: 12.88 min Scan# 944
Delta R.T. 0.00 min
Lab File: BF085981.D
Acq: 2 Apr 2016 00:39

Tgt Ion:244 Resp: 1063393
Ion Ratio Lower Upper
244 100
212 7.4 6.1 9.1
122 11.2 10.2 15.4



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





#79

Butylbenzylphthalate

Concen: 3.27 ng

RT: 13.35 min Scan# 985

Delta R.T. -0.01 min

Lab File: BF085981.D

Acq: 2 Apr 2016 00:39

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

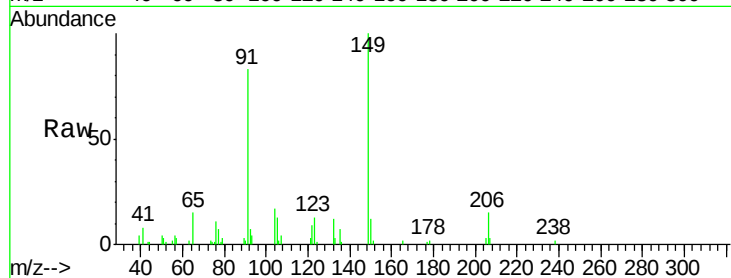
Tot Ion:149 Resp: 35918

Ion Ratio Lower Upper

149 100

91 82.9 45.8 68.8#

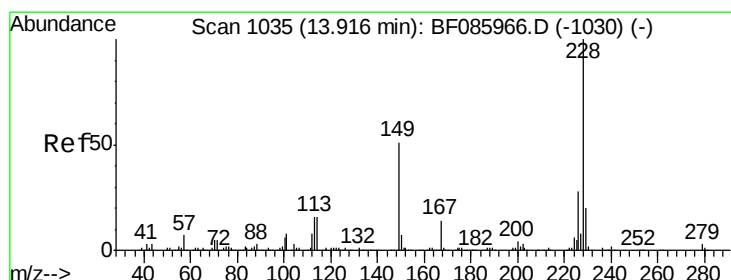
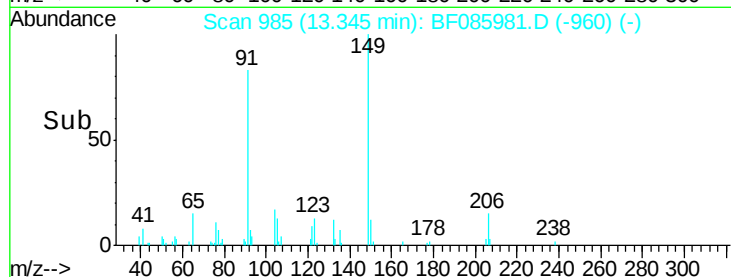
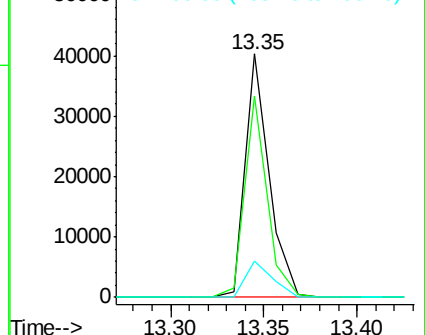
206 15.0 17.8 26.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 4.24 ng

RT: 13.92 min Scan# 1035

Delta R.T. 0.00 min

Lab File: BF085981.D

Acq: 2 Apr 2016 00:39

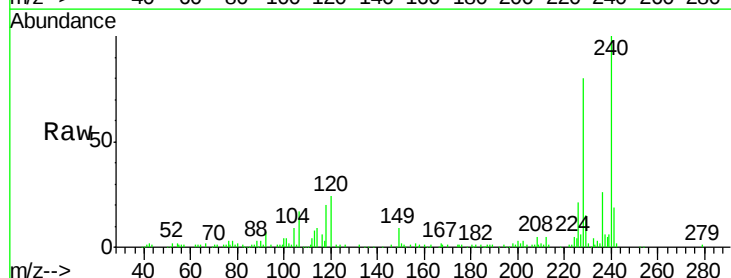
Tgt Ion:228 Resp: 86648

Ion Ratio Lower Upper

228 100

226 26.6 22.1 33.1

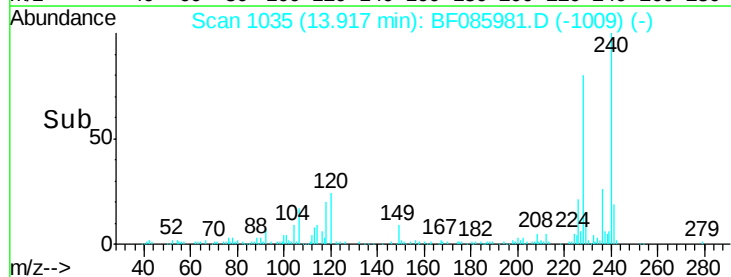
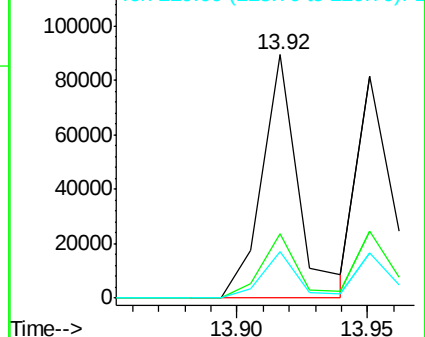
229 19.1 16.2 24.4

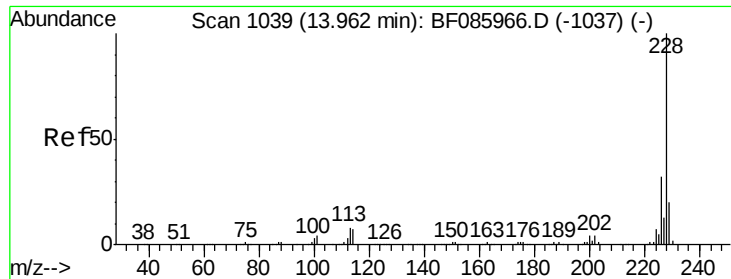


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

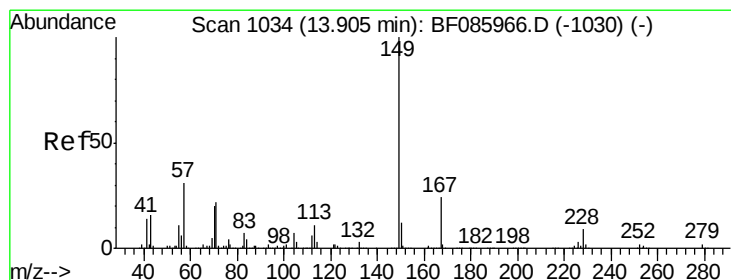
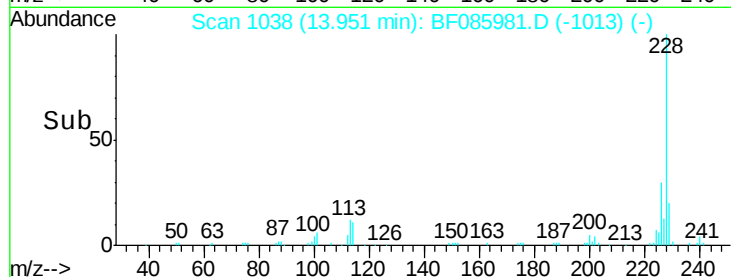
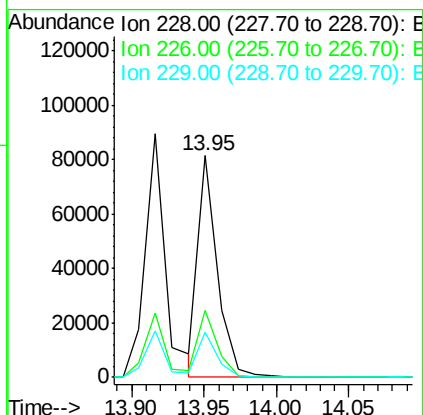
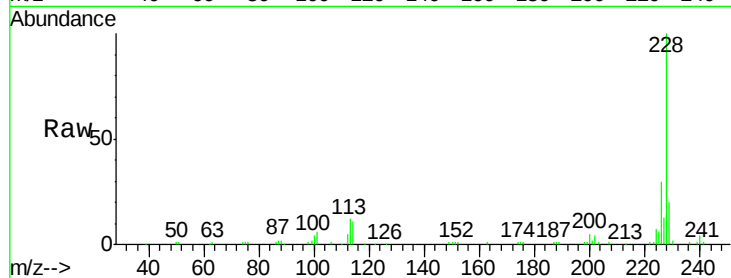




#82
Chrysene
Concen: 3.87 ng
RT: 13.95 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF085981.D
Acq: 2 Apr 2016 00:39

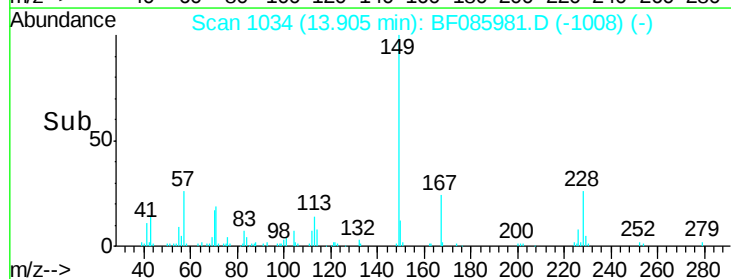
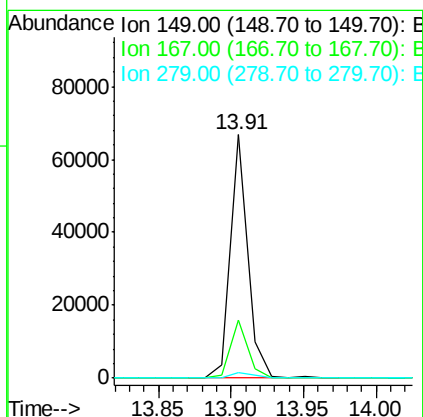
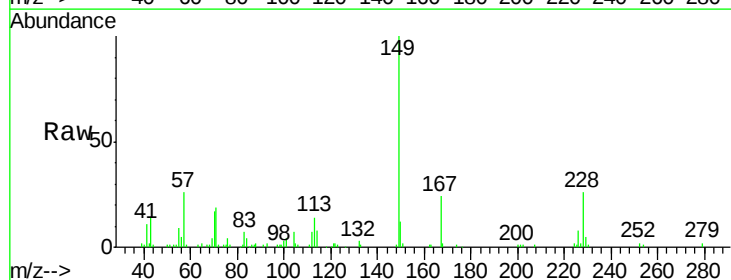
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

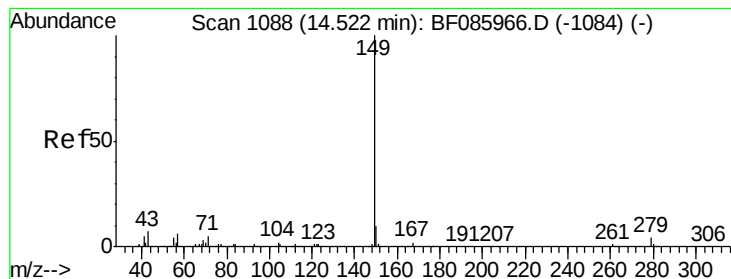
Tot Ion:228 Resp: 76248
Ion Ratio Lower Upper
228 100
226 30.5 25.0 37.6
229 20.4 15.7 23.5



#83
Bis(2-ethylhexyl)phthalate
Concen: 3.83 ng
RT: 13.91 min Scan# 1034
Delta R.T. 0.00 min
Lab File: BF085981.D
Acq: 2 Apr 2016 00:39

Tgt Ion:149 Resp: 55840
Ion Ratio Lower Upper
149 100
167 24.0 19.4 29.2
279 2.1 1.5 2.3





#84

Di-n-octyl phthalate

Concen: 3.42 ng

RT: 14.51 min Scan# 1087

Delta R.T. -0.01 min

Lab File: BF085981.D

Acq: 2 Apr 2016 00:39

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

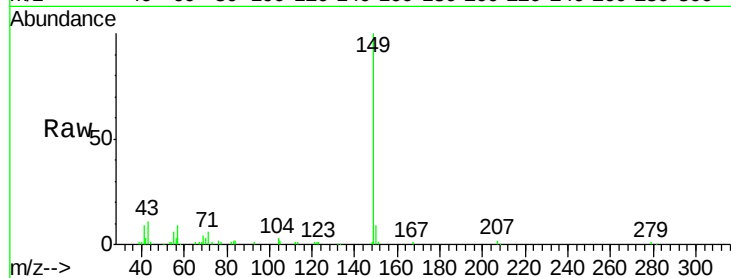
Tot Ion:149 Resp: 79687

Ion Ratio Lower Upper

149 100

167 1.3 1.2 1.8

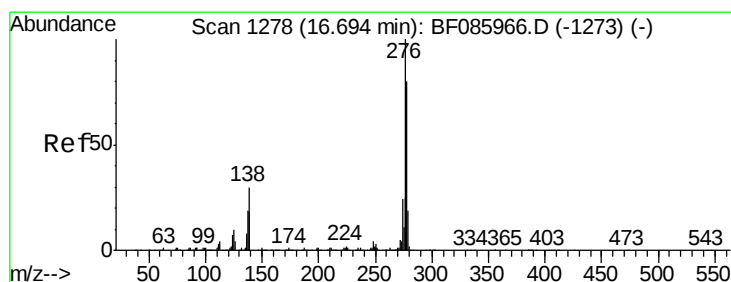
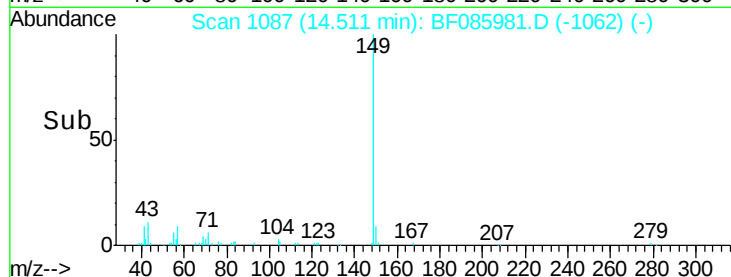
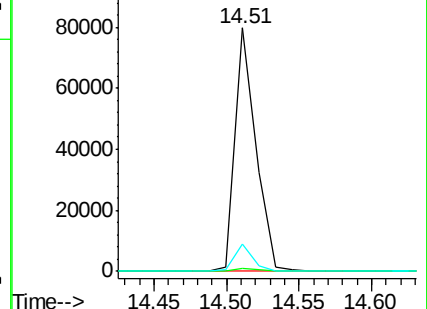
43 9.6 7.1 10.7



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: 3.81 ng

RT: 16.69 min Scan# 1278

Delta R.T. 0.00 min

Lab File: BF085981.D

Acq: 2 Apr 2016 00:39

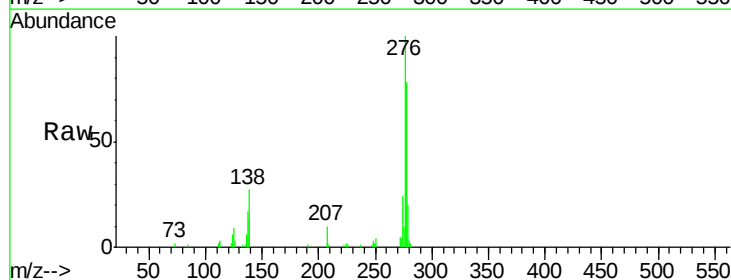
Tgt Ion:276 Resp: 60892

Ion Ratio Lower Upper

276 100

138 28.1 24.2 36.4

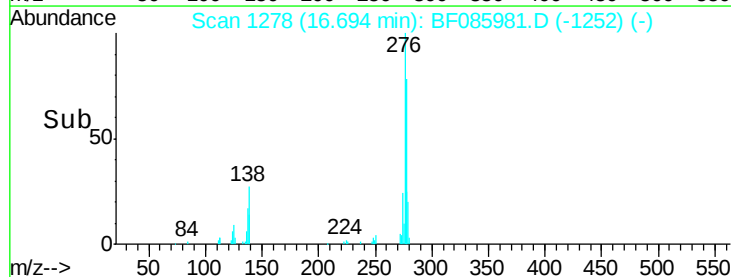
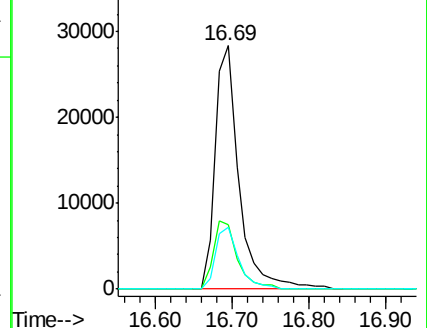
277 24.9 20.0 30.0

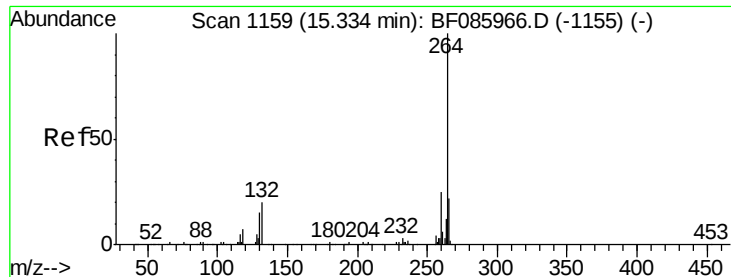


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

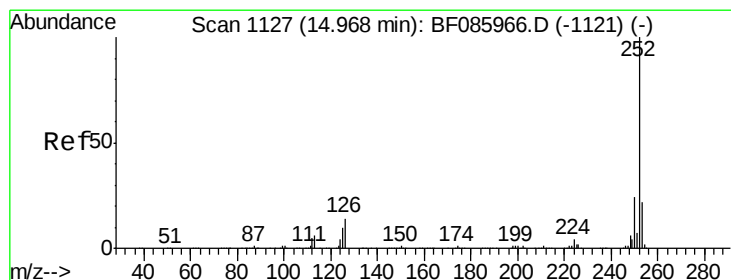
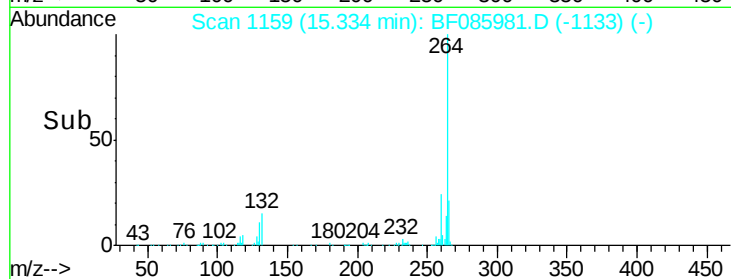
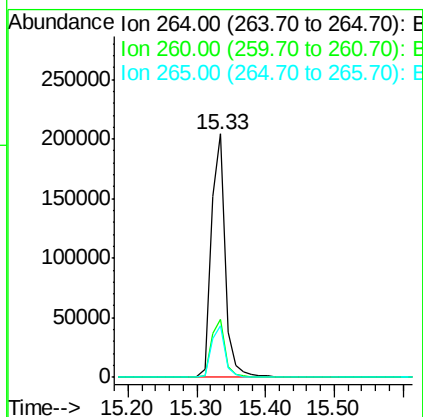
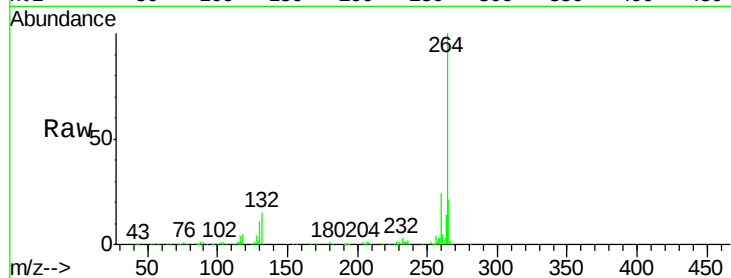




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.33 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BF085981.D
Acq: 2 Apr 2016 00:39

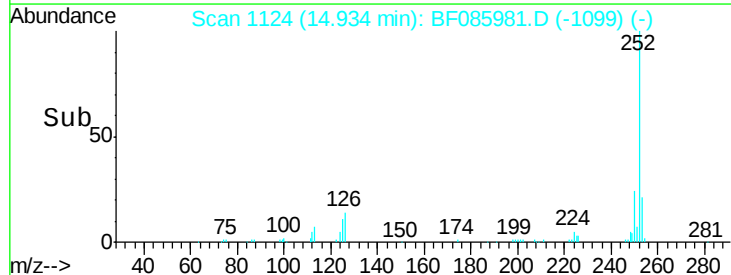
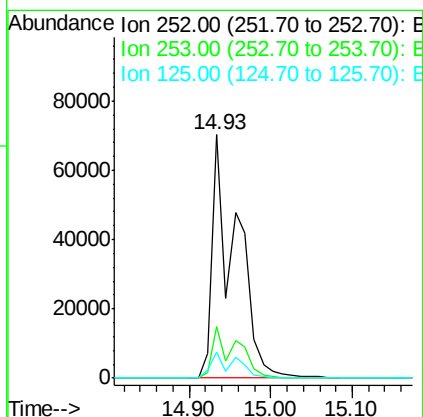
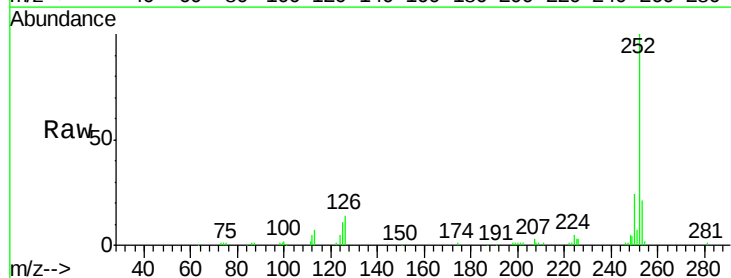
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

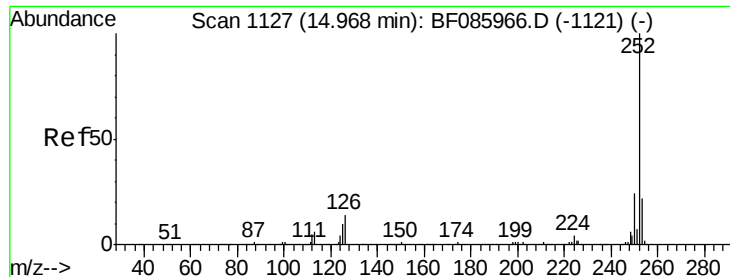
Tot Ion:264 Resp: 289867
Ion Ratio Lower Upper
264 100
260 24.0 19.4 29.2
265 21.2 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 7.91 ng
RT: 14.93 min Scan# 1124
Delta R.T. -0.01 min
Lab File: BF085981.D
Acq: 2 Apr 2016 00:39

Tgt Ion:252 Resp: 144227
Ion Ratio Lower Upper
252 100
253 21.2 17.6 26.4
125 10.8 10.3 15.5

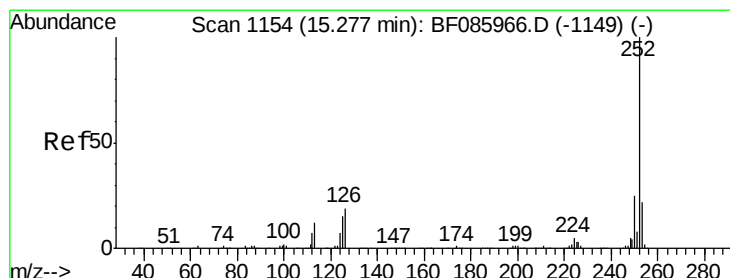
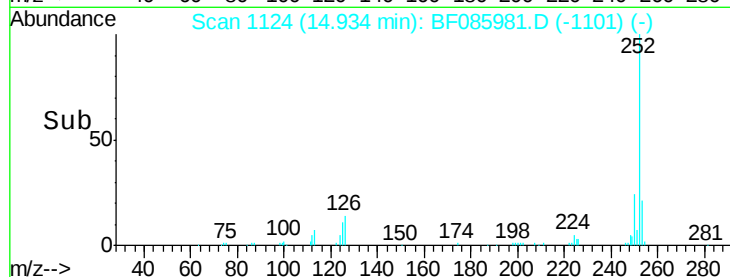
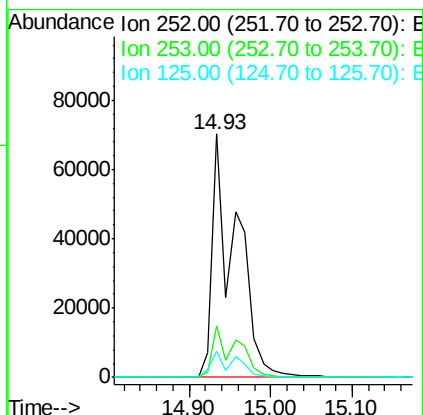
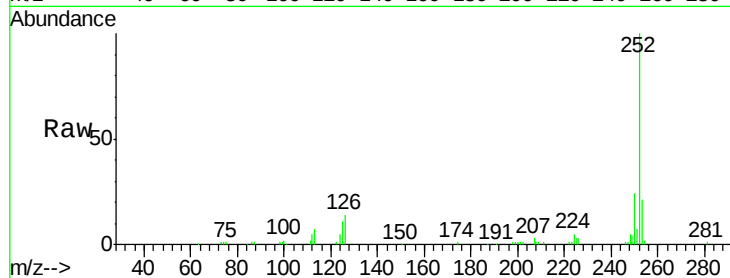




#88
Benzo(k)fluoranthene
Concen: 8.93 ng
RT: 14.93 min Scan# 1124
Delta R.T. -0.03 min
Lab File: BF085981.D
Acq: 2 Apr 2016 00:39

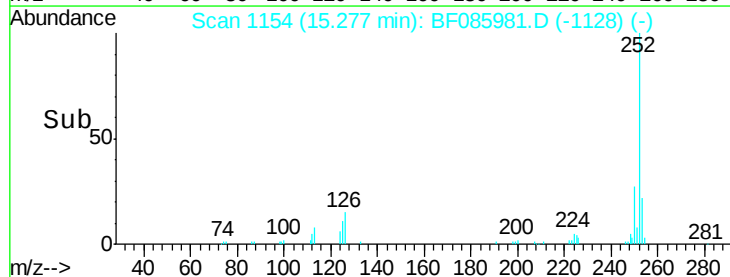
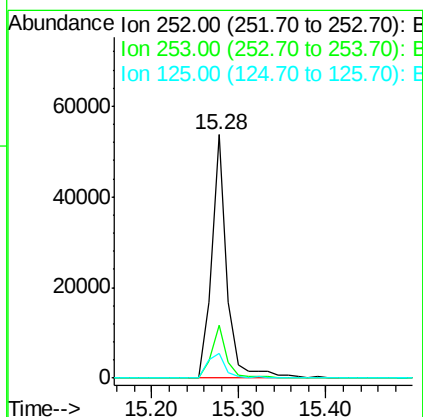
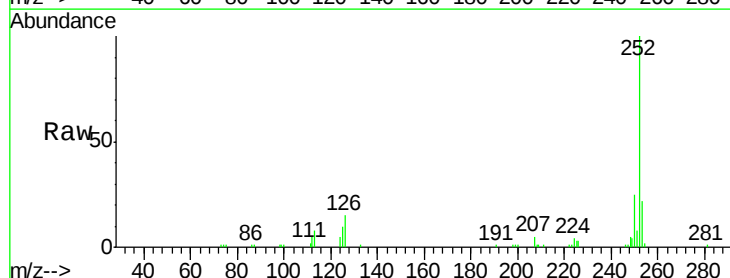
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

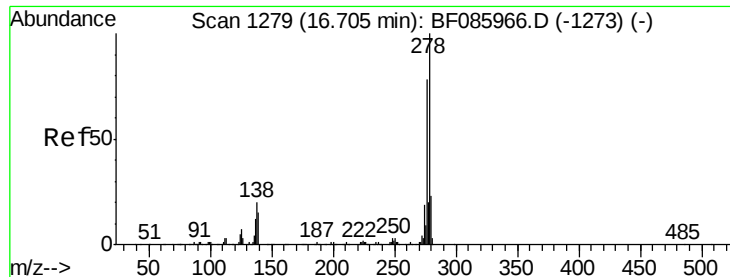
Tot Ion:252 Resp: 144227
Ion Ratio Lower Upper
252 100
253 21.2 17.8 26.6
125 10.8 7.7 11.5



#89
Benzo(a)pyrene
Concen: 4.10 ng
RT: 15.28 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BF085981.D
Acq: 2 Apr 2016 00:39

Tgt Ion:252 Resp: 66244
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.0
125 10.3 10.3 15.5

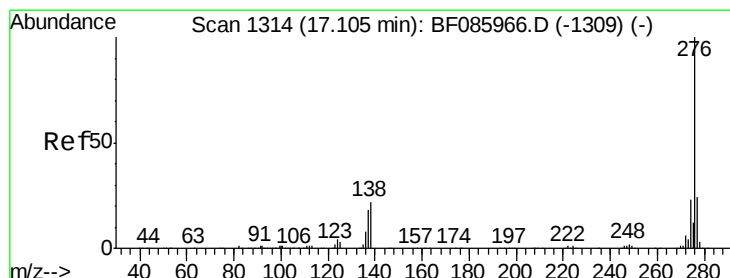
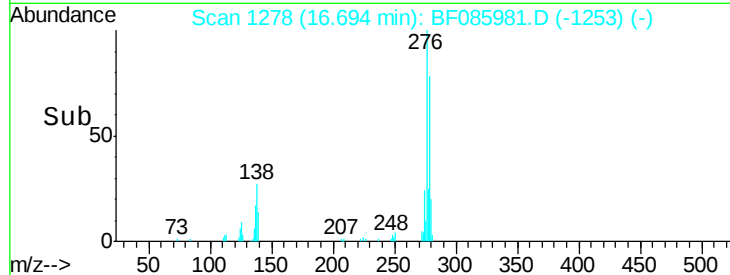
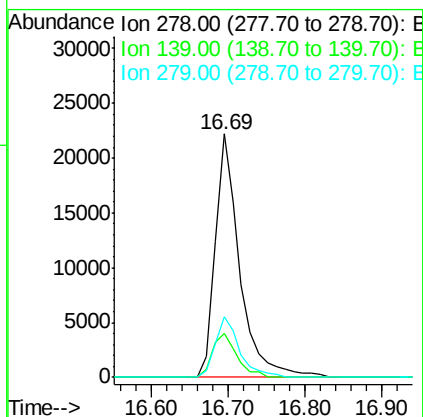
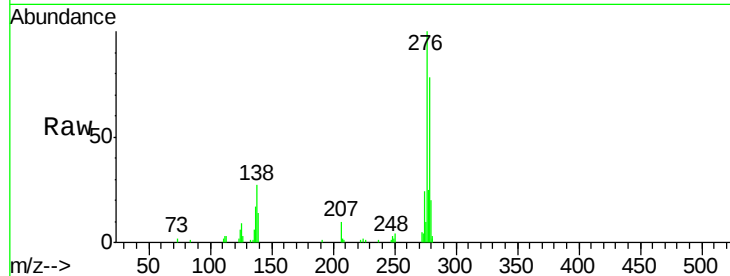




#90
Dibenzo(a,h)anthracene
Concen: 3.80 ng
RT: 16.69 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF085981.D
Acq: 2 Apr 2016 00:39

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tot Ion	Ion	Ratio	Lower	Upper
278	278	100		
139	139	18.1	14.4	21.6
279	279	25.0	19.1	28.7



#91
Benzo(g,h,i)perylene
Concen: 3.87 ng
RT: 17.09 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF085981.D
Acq: 2 Apr 2016 00:39

Tgt Ion	Ion	Ratio	Lower	Upper
276	276	100		
277	277	23.6	18.8	28.2
138	138	26.2	22.6	34.0

