

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040216\
 Data File : BF085982.D
 Acq On : 2 Apr 2016 1:08
 Operator : UM/SJ
 Sample : H1824-03
 Misc : LOD 8PPM
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Quant Time: Apr 02 01:41:44 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	105895	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	422928	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	201497	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	392975	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	357149	20.00	ng	0.00
86) Perylene-d12	15.33	264	306032	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	759623	122.61	ng	0.00
7) Phenol-d6	6.42	99	1021660	129.83	ng	0.00
23) Nitrobenzene-d5	7.34	82	624378	87.06	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	276115	146.00	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	1102436	90.97	ng	0.00
78) Terphenyl-d14	12.88	244	1079950	71.08	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.38	88	18115	6.17	ng	95
3) Pyridine	3.22	79	12724	1.94	ng	95
4) n-Nitrosodimethylamine	3.08	42	15362	5.31	ng	# 93
6) Aniline	6.44	93	48842	4.73	ng	95
8) 2-Chlorophenol	6.56	128	53626	7.26	ng	98
9) Benzaldehyde	6.33	77	43451	10.26	ng	100
10) Phenol	6.43	94	57261	6.38	ng	91
11) bis(2-Chloroethyl)ether	6.51	93	51046	7.18	ng	94
12) 1,3-Dichlorobenzene	6.80	146	55666	7.11	ng	95
13) 1,4-Dichlorobenzene	6.80	146	55666	6.90	ng	94
14) 1,2-Dichlorobenzene	6.94	146	49271	6.64	ng	99
15) Benzyl Alcohol	6.93	79	44502	8.74	ng	# 88
16) 2,2'-oxybis(1-Chloropropan	7.06	45	59855	6.89	ng	89
17) 2-Methylphenol	7.04	107	44291	7.60	ng	98
18) Hexachloroethane	7.28	117	19541	6.59	ng	# 79
19) n-Nitroso-di-n-propylamine	7.18	70	35402	7.26	ng	# 90
20) 3+4-Methylphenols	7.20	107	56142	7.92	ng	96
22) Acetophenone	7.18	105	74884	7.53	ng	# 93
24) Nitrobenzene	7.36	77	55254	7.04	ng	99
25) Isophorone	7.60	82	99991	7.06	ng	97
26) 2-Nitrophenol	7.69	139	21617	5.76	ng	98
27) 2,4-Dimethylphenol	7.72	122	50466	7.49	ng	96
28) bis(2-Chloroethoxy)methane	7.81	93	62951	7.58	ng	100
29) 2,4-Dichlorophenol	7.93	162	40234	7.06	ng	98
30) 1,2,4-Trichlorobenzene	8.01	180	42583	6.66	ng	# 95
31) Naphthalene	8.08	128	151746	7.13	ng	97
32) Benzoic acid	7.81	122	18364	3.71	ng	96
33) 4-Chloroaniline	8.14	127	43749	5.09	ng	98
34) Hexachlorobutadiene	8.20	225	21127	6.14	ng	99
35) Caprolactam	8.48	113	11562	6.39	ng	91
36) 4-Chloro-3-methylphenol	8.62	107	41774	6.52	ng	95
37) 2-Methylnaphthalene	8.77	142	101080	7.27	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.94	216	38848	6.41	ng	100
40) Hexachlorocyclopentadiene	8.92	237	5522	8.75	ng	96

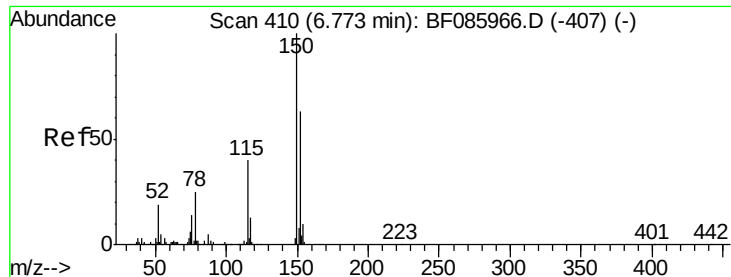
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040216\
 Data File : BF085982.D
 Acq On : 2 Apr 2016 1:08
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.06	196	23950	6.16	nq	99
43) 2,4,5-Trichlorophenol	9.10	196	26461	6.70	nq	# 94
45) 1,1'-Biphenyl	9.23	154	124808	7.18	nq	97
46) 2-Chloronaphthalene	9.25	162	86492	6.87	nq	# 88
47) 2-Nitroaniline	9.37	65	22799	6.19	nq	# 78
48) Acenaphthylene	9.66	152	144535	7.16	nq	99
49) Dimethylphthalate	9.53	163	102346	6.85	nq	99
50) 2,6-Dinitrotoluene	9.60	165	21194	6.71	nq	89
51) Acenaphthene	9.84	154	87822	7.32	nq	99
52) 3-Nitroaniline	9.78	138	22964	6.03	nq	86
53) 2,4-Dinitrophenol	9.90	184	4058	5.50	nq	# 87
54) Dibenzofuran	10.02	168	130543	8.24	nq	96
55) 4-Nitrophenol	9.96	139	9731	4.33	nq	97
56) 2,4-Dinitrotoluene	10.01	165	30448	7.63	nq	# 38
57) Fluorene	10.35	166	102825	7.60	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.14	232	21147	7.19	nq	97
59) Diethylphthalate	10.24	149	105328	6.99	nq	98
60) 4-Chlorophenyl-phenylether	10.35	204	49600	7.87	nq	92
61) 4-Nitroaniline	10.38	138	23870	6.36	nq	97
62) Azobenzene	10.51	77	112282	7.78	nq	98
64) 4,6-Dinitro-2-methylphenol	10.42	198	10457	4.39	nq	88
65) n-Nitrosodiphenylamine	10.46	169	89514	7.28	nq	99
66) 4-Bromophenyl-phenylether	10.84	248	26323	6.56	nq	# 91
67) Hexachlorobenzene	10.91	284	26154	6.30	nq	# 92
68) Atrazine	10.99	200	27621	6.96	nq	95
69) Pentachlorophenol	11.10	266	9215	4.74	nq	98
70) Phenanthrene	11.31	178	159339	7.43	nq	98
71) Anthracene	11.37	178	167067	7.44	nq	97
72) Carbazole	11.53	167	146608	7.59	nq	97
73) Di-n-butylphthalate	11.86	149	165254	6.91	nq	97
74) Fluoranthene	12.50	202	164330	7.37	nq	94
76) Benzidine	12.64	184	46162	3.66	nq	100
77) Pyrene	12.73	202	168818	6.71	nq	99
79) Butylbenzylphthalate	13.35	149	69304	6.12	nq	# 76
80) Benzo(a)anthracene	13.92	228	150097	7.13	nq	99
81) 3,3'-Dichlorobenzidine	13.88	252	23294	1.51	nq	99
82) Chrysene	13.95	228	130532	6.44	nq	99
83) Bis(2-ethylhexyl)phthalate	13.91	149	100093	6.65	nq	# 99
84) Di-n-octyl phthalate	14.51	149	147428	6.14	nq	99
85) Indeno(1,2,3-cd)pyrene	16.68	276	108684	6.61	nq	98
87) Benzo(b)fluoranthene	14.93	252	250887	13.03	nq	# 95
88) Benzo(k)fluoranthene	14.93	252	250887	14.72	nq	98
89) Benzo(a)pyrene	15.28	252	116198	6.81	nq	# 97
90) Dibenzo(a,h)anthracene	16.69	278	89105	6.49	nq	98
91) Benzo(g,h,i)perylene	17.09	276	86502	6.51	nq	96

(#) = 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

Lab File: BF085982.D

Acq: 2 Apr 2016 1:08

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

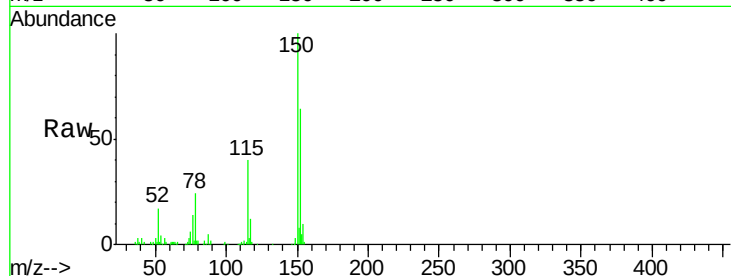
Tot Ion:152 Resp: 105895

Ion Ratio Lower Upper

152 100

150 156.7 124.2 186.2

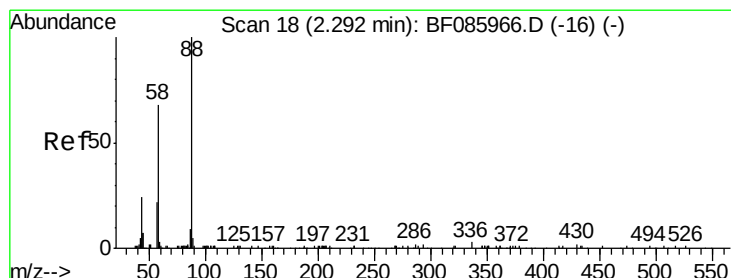
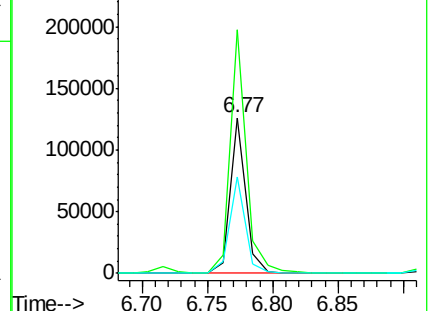
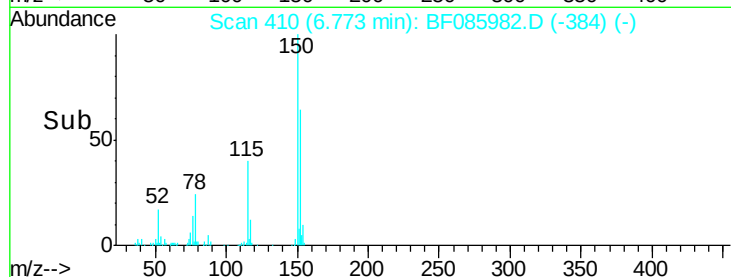
115 61.9 47.0 70.6



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: 6.17 ng

RT: 2.38 min Scan# 26

Delta R.T. 0.09 min

Lab File: BF085982.D

Acq: 2 Apr 2016 1:08

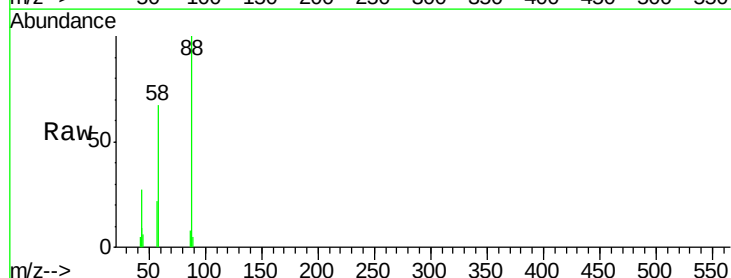
Tgt Ion: 88 Resp: 18115

Ion Ratio Lower Upper

88 100

58 72.1 54.2 81.2

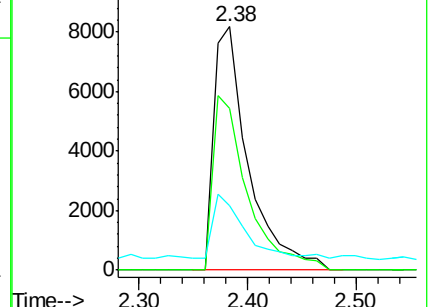
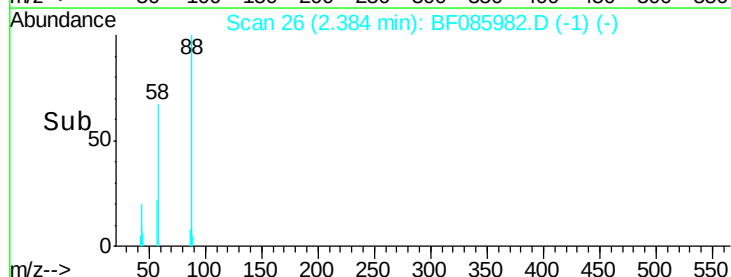
43 25.3 19.3 28.9

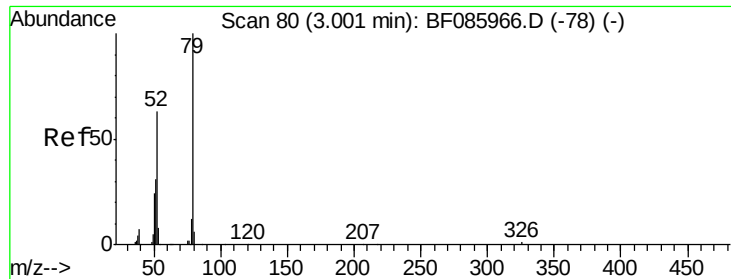


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

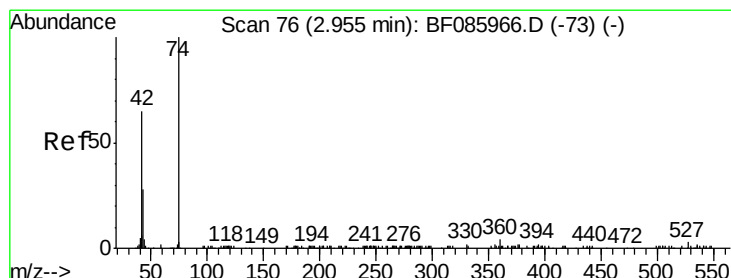
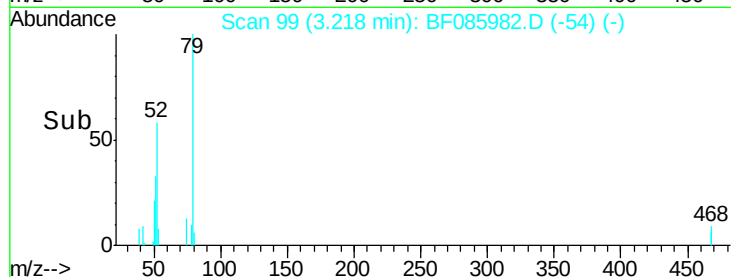
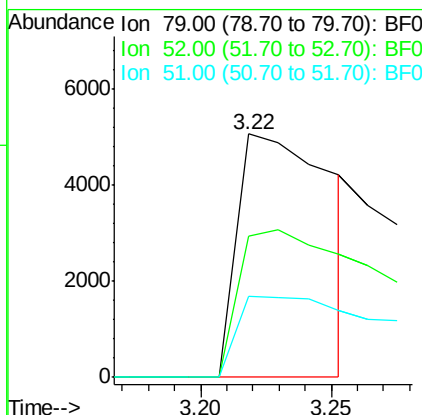
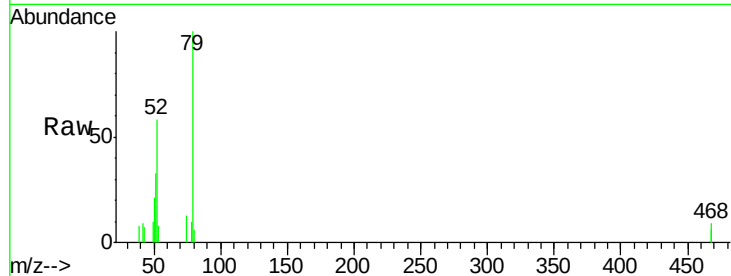




#3
 Pvridine
 Concen: 1.94 ng
 RT: 3.22 min Scan# 99
 Delta R.T. 0.22 min
 Lab File: BF085982.D
 Acq: 2 Apr 2016 1:08

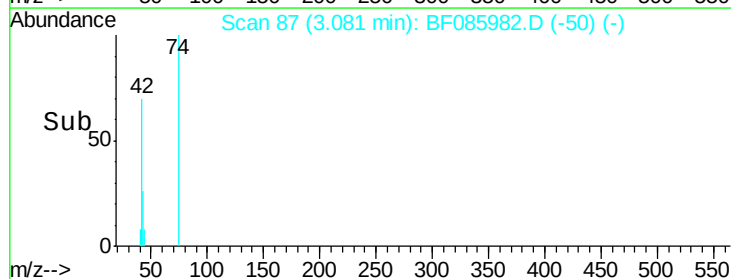
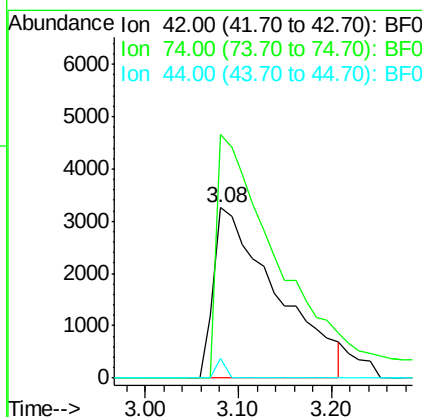
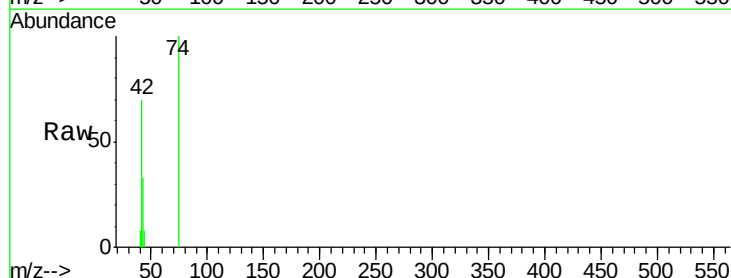
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

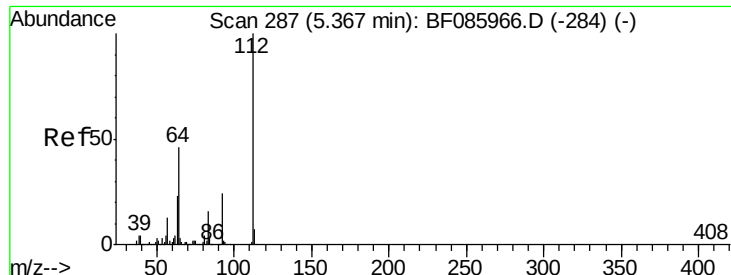
Tot Ion: 79 Resp: 12724
 Ion Ratio Lower Upper
 79 100
 52 57.8 49.8 74.6
 51 33.2 24.7 37.1



#4
 n-Nitrosodimethylamine
 Concen: 5.31 ng
 RT: 3.08 min Scan# 87
 Delta R.T. 0.13 min
 Lab File: BF085982.D
 Acq: 2 Apr 2016 1:08

Tgt Ion: 42 Resp: 15362
 Ion Ratio Lower Upper
 42 100
 74 143.0 121.4 182.2
 44 11.3 5.6 8.4#





#5

2-Fluorophenol

Concen: 122.61 ng

RT: 5.37 min Scan# 287

Delta R.T. 0.00 min

Lab File: BF085982.D

Acq: 2 Apr 2016 1:08

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

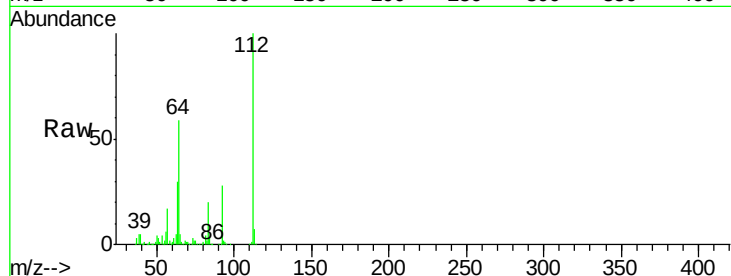
Tot Ion:112 Resp: 759623

Ion Ratio Lower Upper

112 100

64 59.3 39.9 59.9

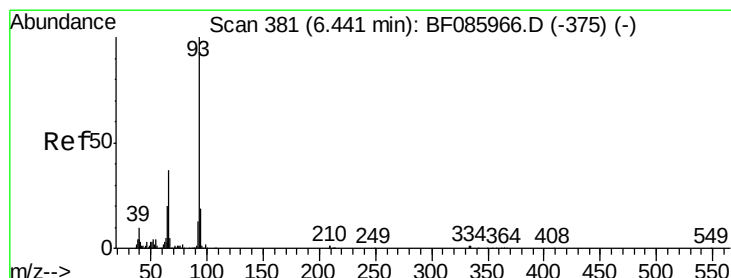
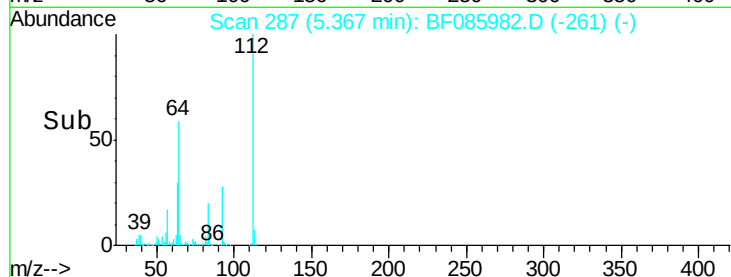
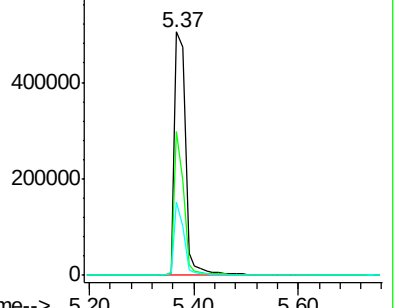
63 30.2 20.2 30.2



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 4.73 ng

RT: 6.44 min Scan# 381

Delta R.T. 0.00 min

Lab File: BF085982.D

Acq: 2 Apr 2016 1:08

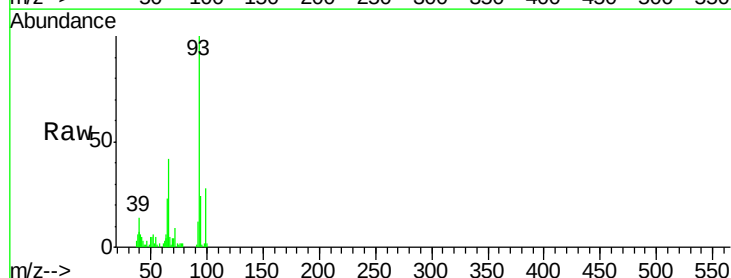
Tgt Ion: 93 Resp: 48842

Ion Ratio Lower Upper

93 100

66 41.8 31.4 47.2

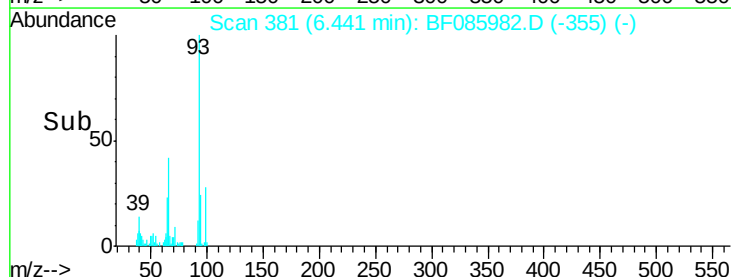
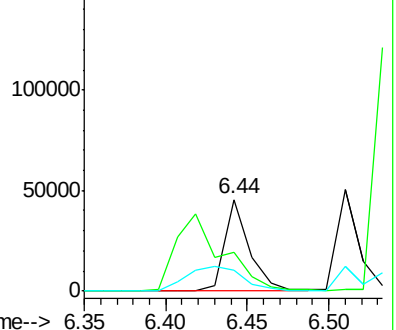
65 22.7 15.7 23.5

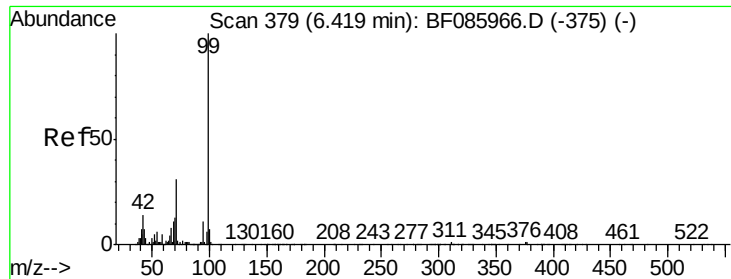


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 129.83 ng

RT: 6.42 min Scan# 379

Delta R.T. 0.00 min

Lab File: BF085982.D

Acq: 2 Apr 2016 1:08

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

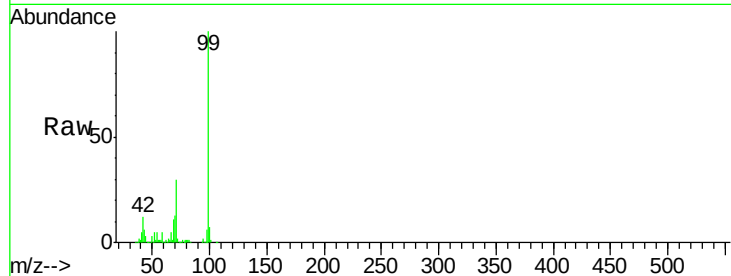
Tot Ion: 99 Resp: 1021660

Ion	Ratio	Lower	Upper
99	100		
42	12.2	11.1	16.7
71	29.6	24.9	37.3

99 100

42 12.2 11.1 16.7

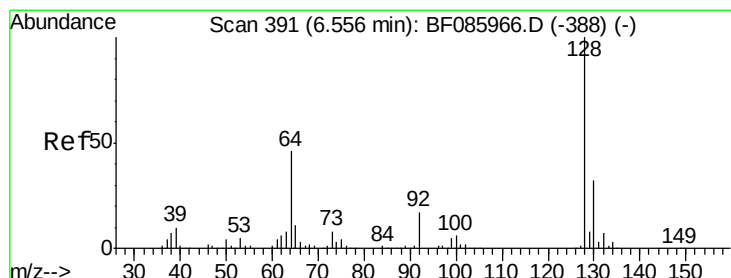
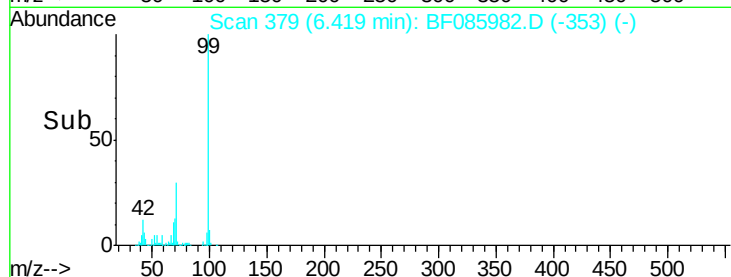
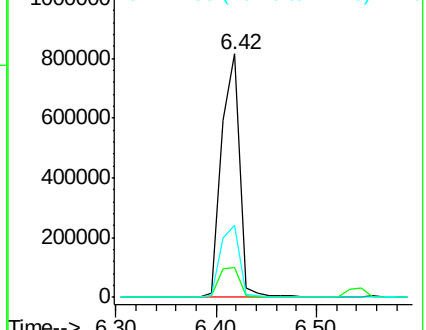
71 29.6 24.9 37.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 7.26 ng

RT: 6.56 min Scan# 391

Delta R.T. 0.00 min

Lab File: BF085982.D

Acq: 2 Apr 2016 1:08

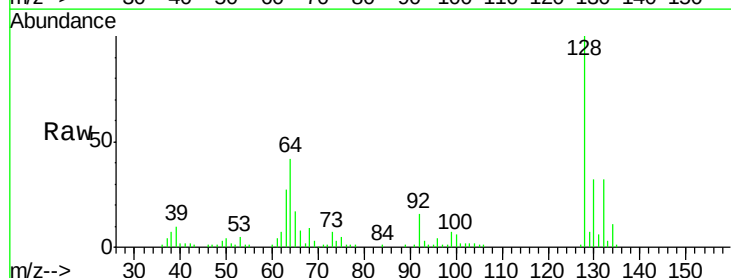
Tgt Ion:128 Resp: 53626

Ion	Ratio	Lower	Upper
128	100		
130	32.1	12.9	52.9
64	41.6	20.2	60.2

128 100

130 32.1 12.9 52.9

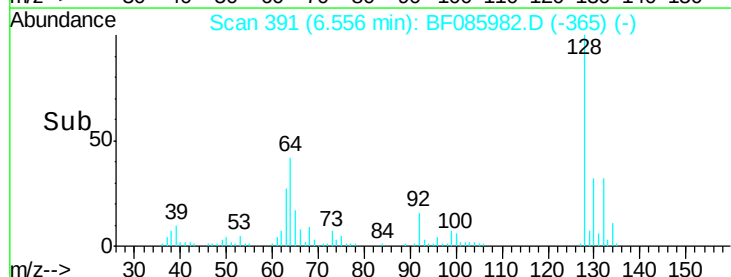
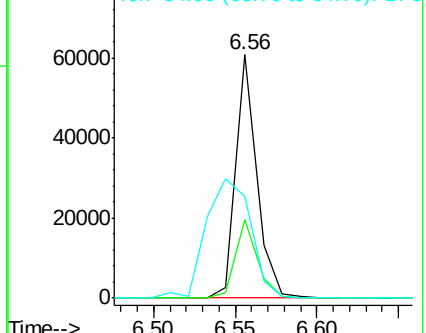
64 41.6 20.2 60.2

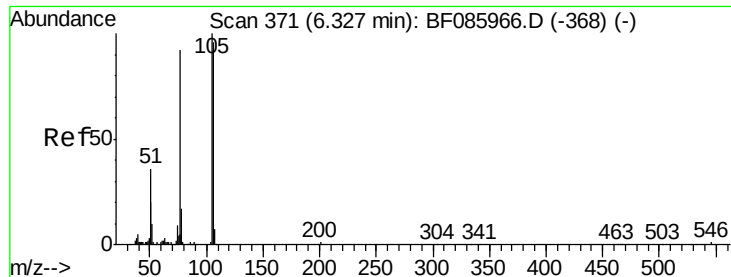


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 10.26 ng

RT: 6.33 min Scan# 371

Delta R.T. 0.00 min

Lab File: BF085982.D

Acq: 2 Apr 2016 1:08

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

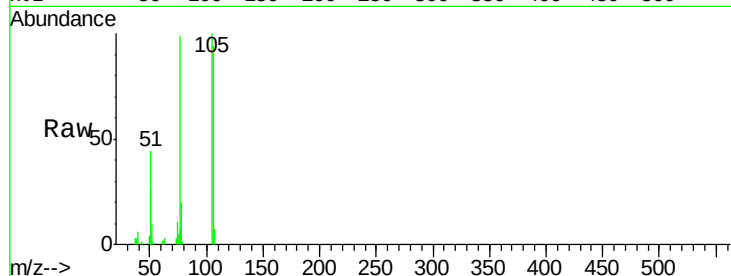
Tot Ion: 77 Resp: 43451

Ion Ratio Lower Upper

77 100

105 100.8 80.1 120.1

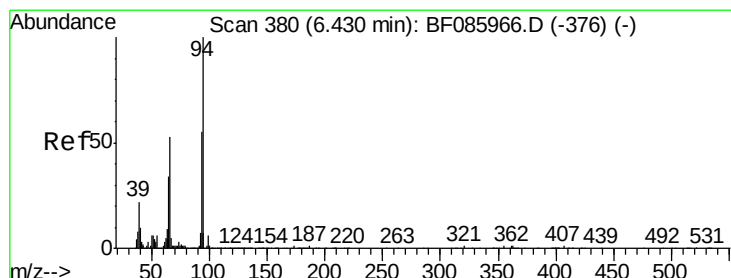
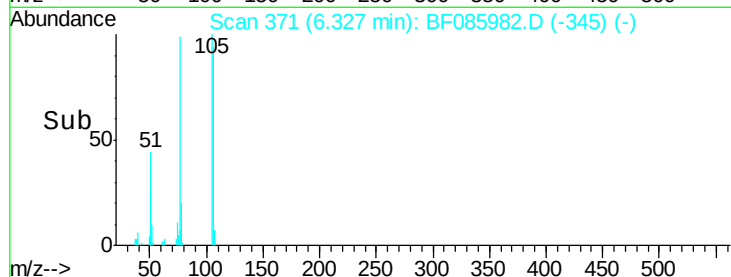
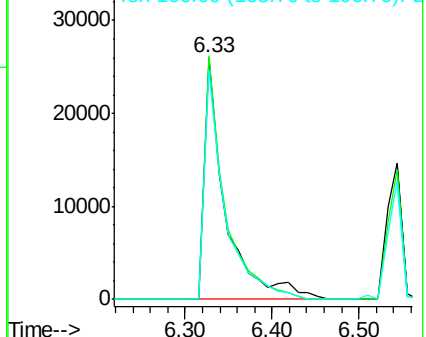
106 94.9 75.0 115.0



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 6.38 ng

RT: 6.43 min Scan# 380

Delta R.T. 0.00 min

Lab File: BF085982.D

Acq: 2 Apr 2016 1:08

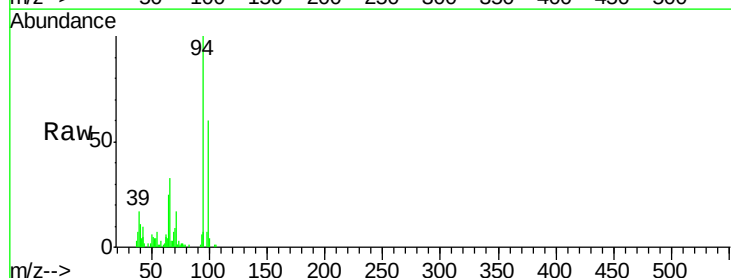
Tgt Ion: 94 Resp: 57261

Ion Ratio Lower Upper

94 100

65 25.1 8.6 48.6

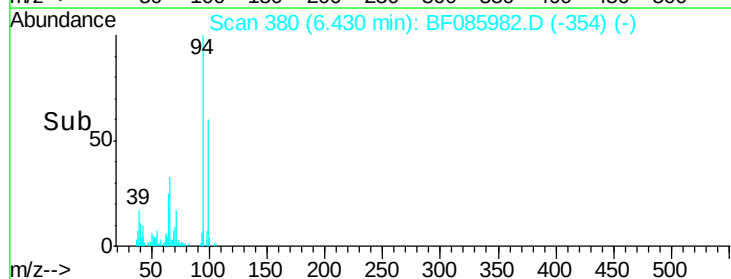
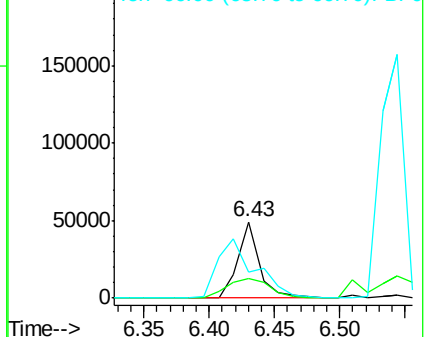
66 33.4 20.0 60.0

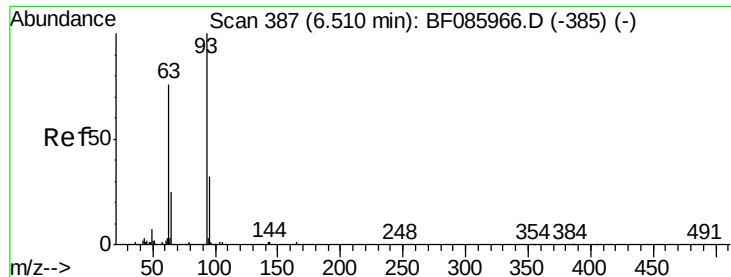


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

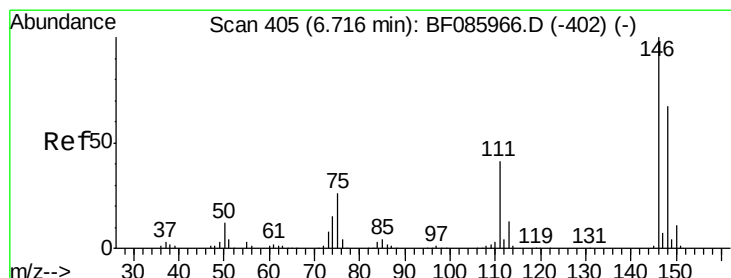
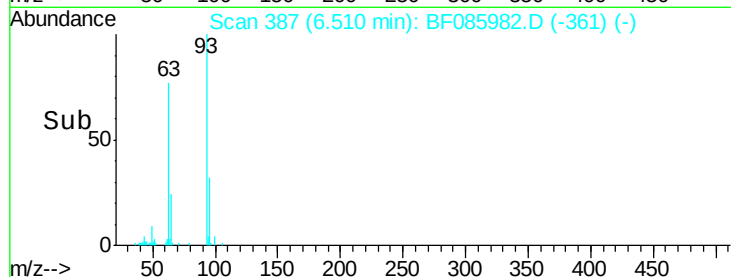
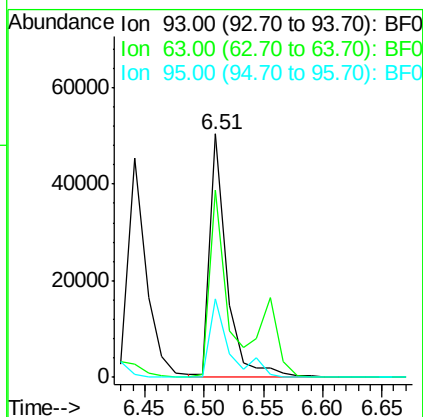
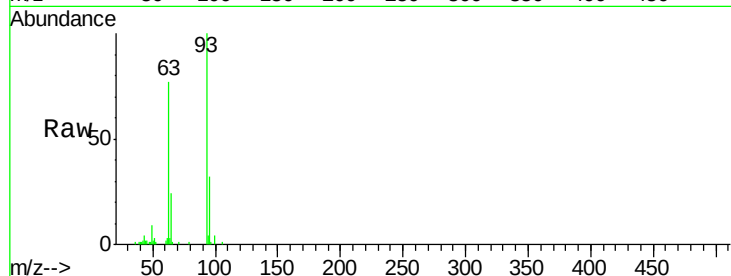




#11
bis(2-Chloroethyl)ether
Concen: 7.18 ng
RT: 6.51 min Scan# 387
Delta R.T. 0.00 min
Lab File: BF085982.D
Acq: 2 Apr 2016 1:08

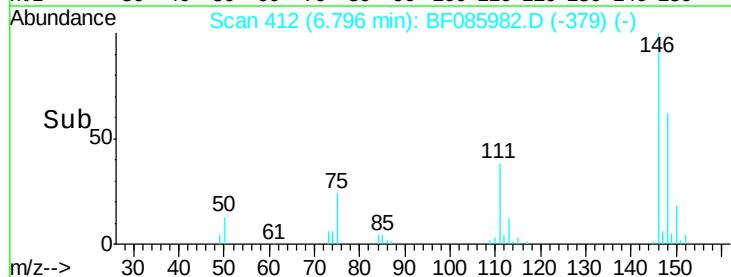
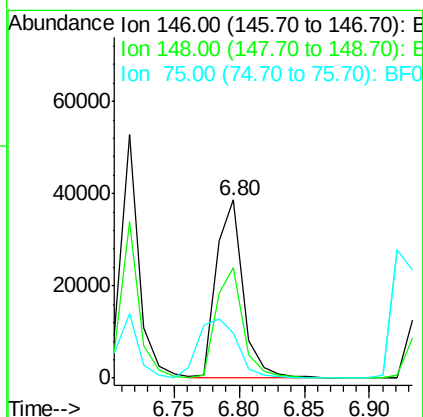
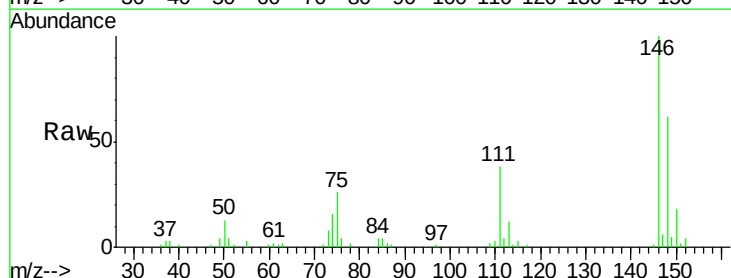
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

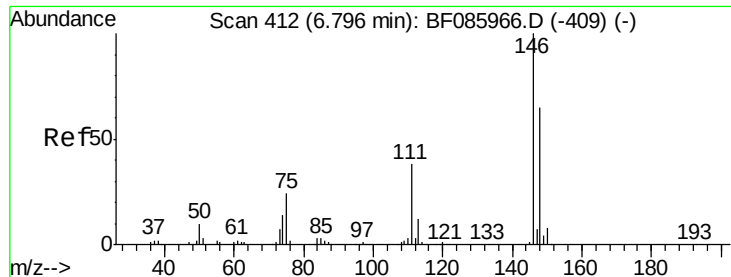
Tot Ion: 93 Resp: 51046
Ion Ratio Lower Upper
93 100
63 77.0 50.9 90.9
95 32.0 13.3 53.3



#12
1,3-Dichlorobenzene
Concen: 7.11 ng
RT: 6.80 min Scan# 412
Delta R.T. 0.08 min
Lab File: BF085982.D
Acq: 2 Apr 2016 1:08

Tgt Ion: 146 Resp: 55666
Ion Ratio Lower Upper
146 100
148 62.2 52.3 78.5
75 25.7 17.4 26.2

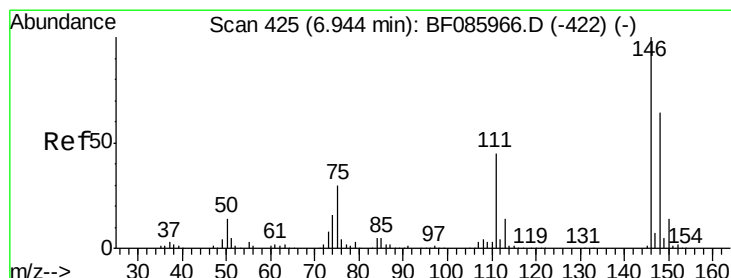
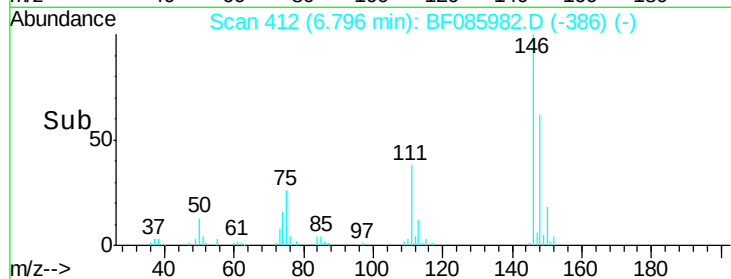
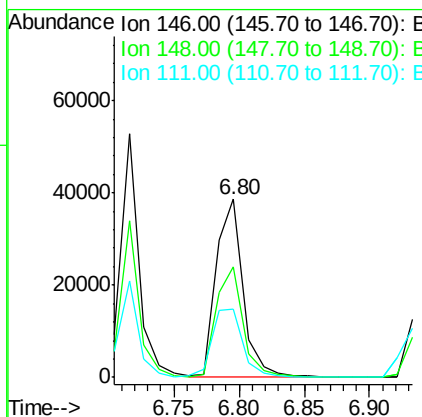
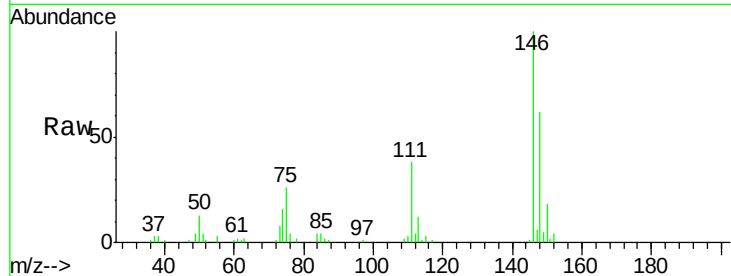




#13
 1,4-Dichlorobenzene
 Concen: 6.90 ng
 RT: 6.80 min Scan# 412
 Delta R.T. 0.00 min
 Lab File: BF085982.D
 Acq: 2 Apr 2016 1:08

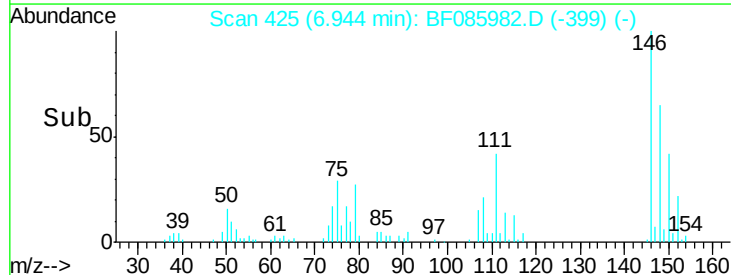
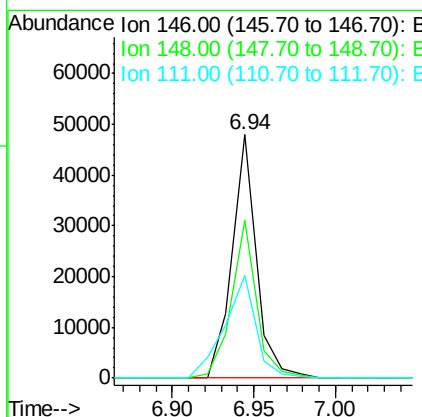
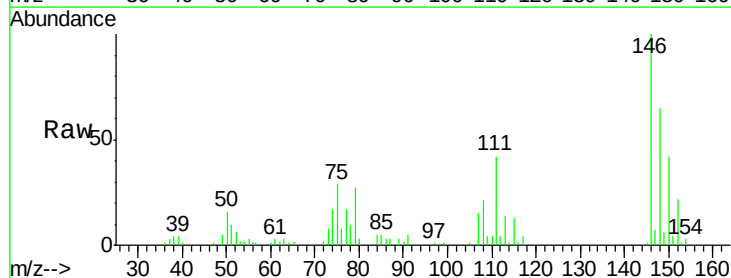
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

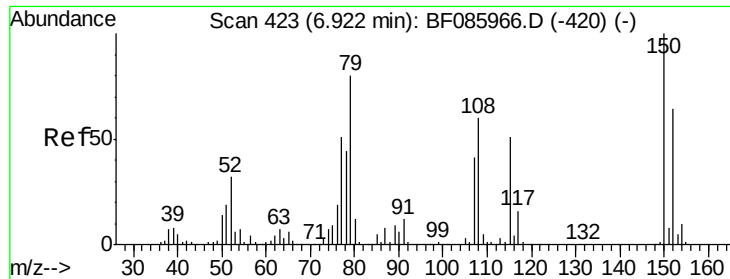
Tot Ion	Ratio	Lower	Upper
146	100		
148	62.2	50.6	76.0
111	38.5	37.8	56.6



#14
 1,2-Dichlorobenzene
 Concen: 6.64 ng
 RT: 6.94 min Scan# 425
 Delta R.T. 0.00 min
 Lab File: BF085982.D
 Acq: 2 Apr 2016 1:08

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.4	77.2
111	42.1	34.6	52.0





#15

Benzyl Alcohol

Concen: 8.74 ng

RT: 6.93 min Scan# 424

Delta R.T. 0.01 min

Lab File: BF085982.D

Acq: 2 Apr 2016 1:08

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

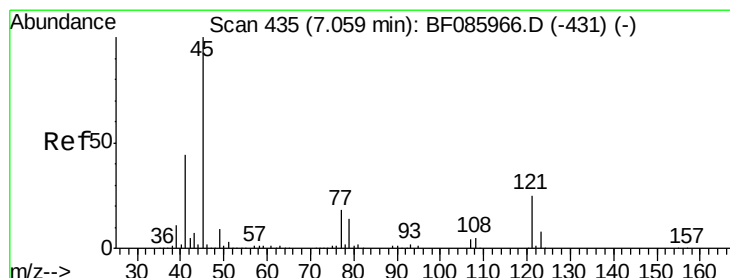
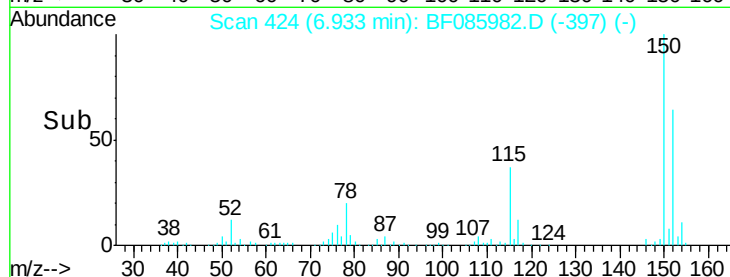
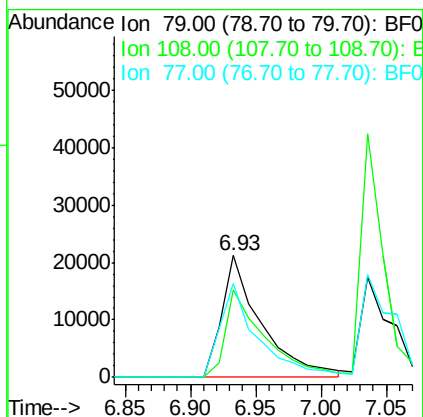
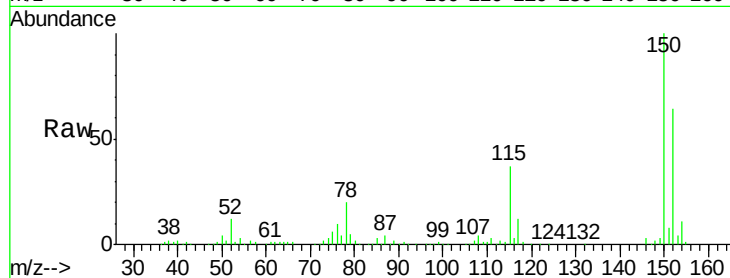
Tot Ion: 79 Resp: 44502

Ion Ratio Lower Upper

79 100

108 71.4 61.8 92.6

77 77.1 49.6 74.4#



#16

2,2'-oxybis(1-chloropropane)

Concen: 6.89 ng

RT: 7.06 min Scan# 435

Delta R.T. 0.00 min

Lab File: BF085982.D

Acq: 2 Apr 2016 1:08

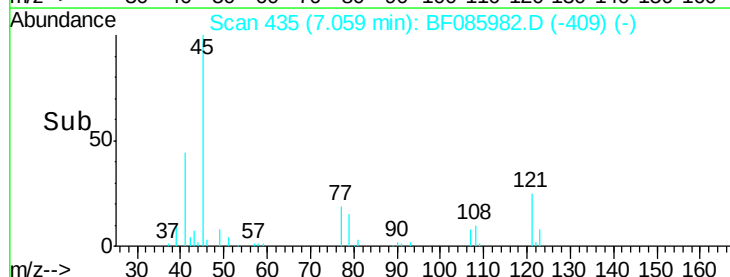
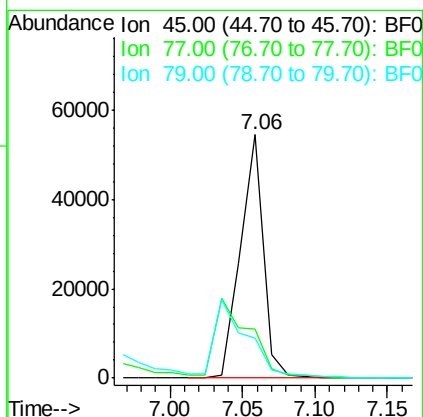
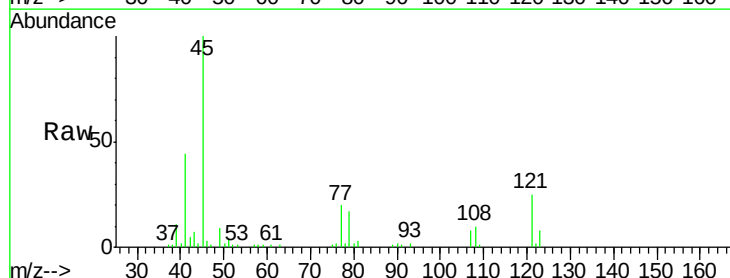
Tgt Ion: 45 Resp: 59855

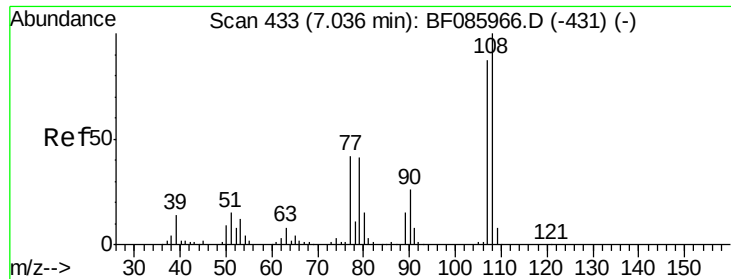
Ion Ratio Lower Upper

45 100

77 20.3 0.0 35.7

79 16.6 0.0 32.2

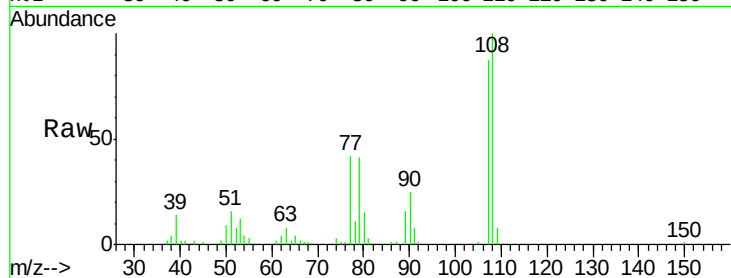




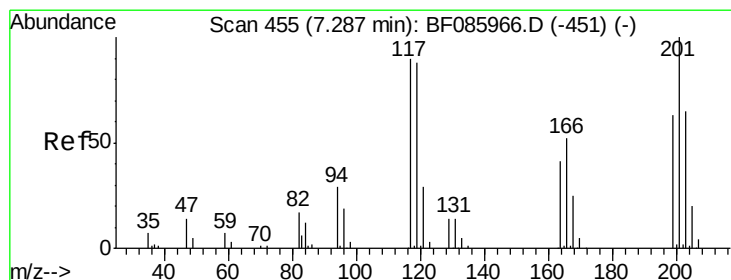
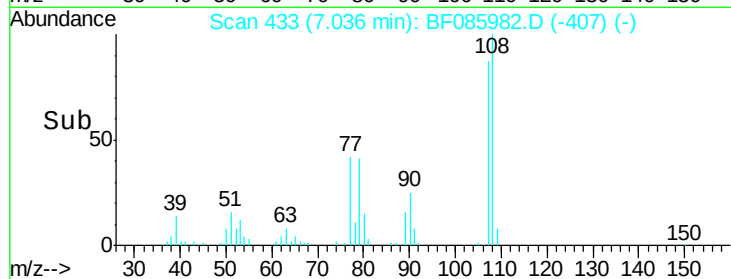
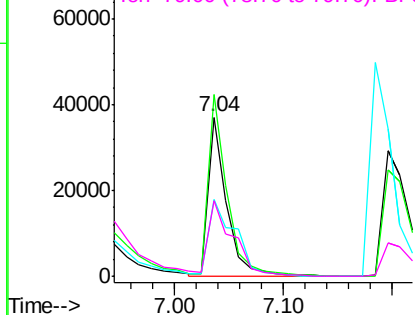
#17
2-Methylphenol
Concen: 7.60 ng
RT: 7.04 min Scan# 433
Delta R.T. 0.00 min
Lab File: BF085982.D
Acq: 2 Apr 2016 1:08

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tot Ion:107 Resp: 44291
Ion Ratio Lower Upper
107 100
108 114.4 91.4 137.0
77 48.5 36.2 54.2
79 47.3 35.8 53.8

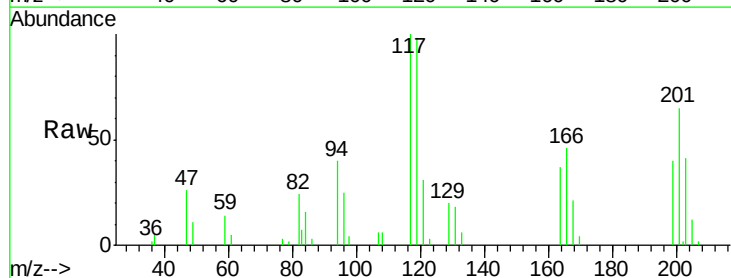


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

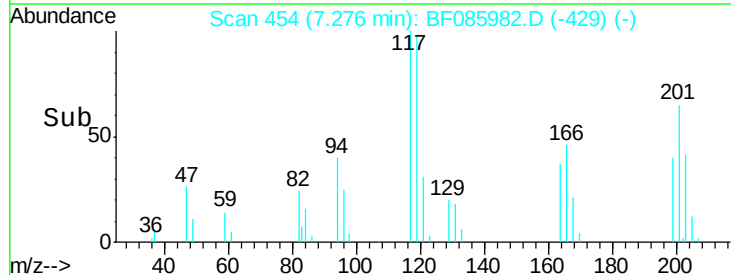
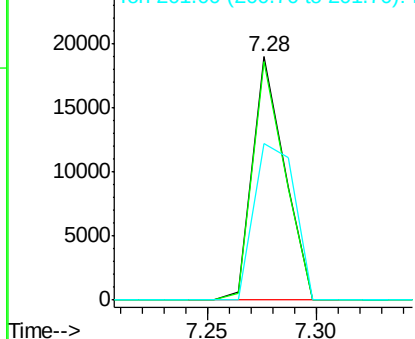


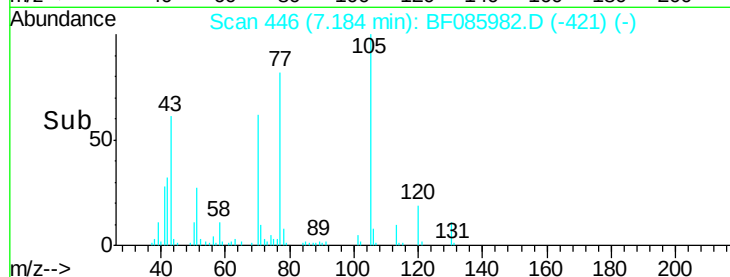
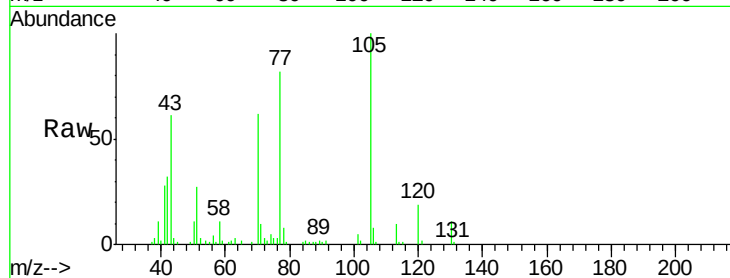
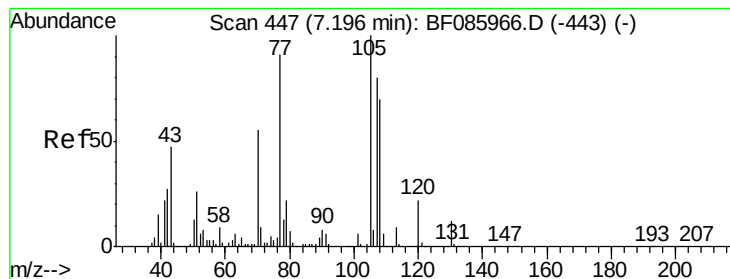
#18
Hexachloroethane
Concen: 6.59 ng
RT: 7.28 min Scan# 454
Delta R.T. -0.01 min
Lab File: BF085982.D
Acq: 2 Apr 2016 1:08

Tgt Ion:117 Resp: 19541
Ion Ratio Lower Upper
117 100
119 97.8 76.7 115.1
201 64.6 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: 7.26 ng

RT: 7.18 min Scan# 446

Delta R.T. -0.01 min

Lab File: BF085982.D

Acq: 2 Apr 2016 1:08

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

Tot Ion: 70 Resp: 35402

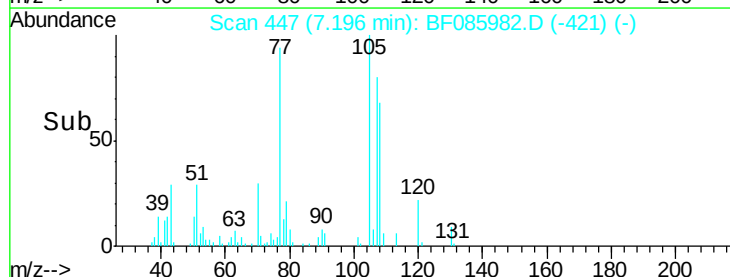
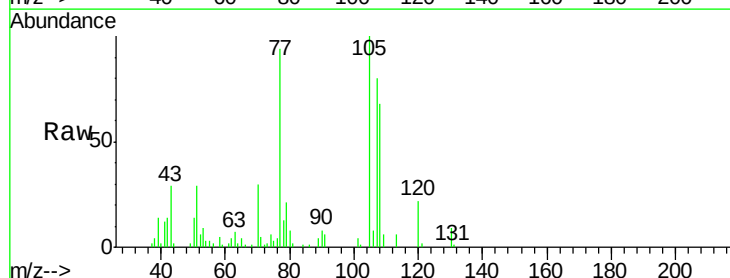
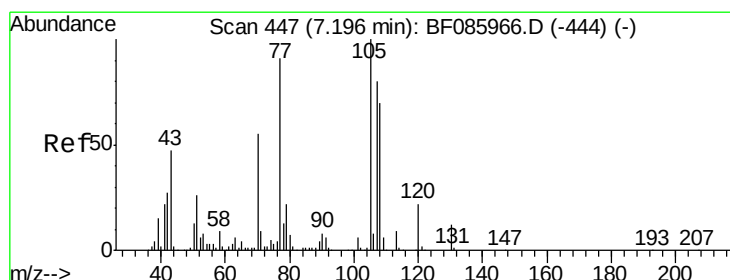
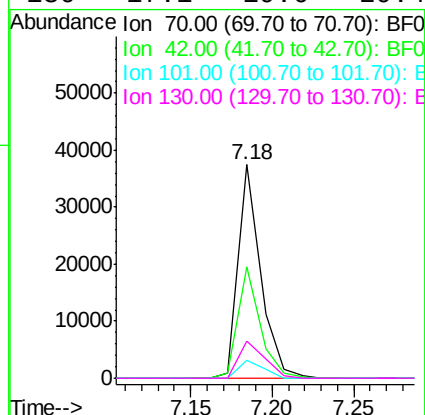
Ion Ratio Lower Upper

70 100

42 52.0 37.1 55.7

101 8.5 8.6 12.8#

130 17.1 19.6 29.4#



#20

3+4-Methylphenols

Concen: 7.92 ng

RT: 7.20 min Scan# 447

Delta R.T. 0.00 min

Lab File: BF085982.D

Acq: 2 Apr 2016 1:08

Tgt Ion:107 Resp: 56142

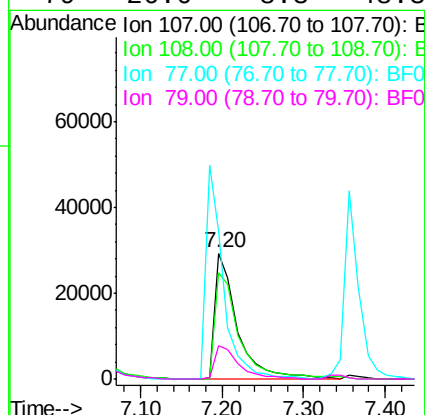
Ion Ratio Lower Upper

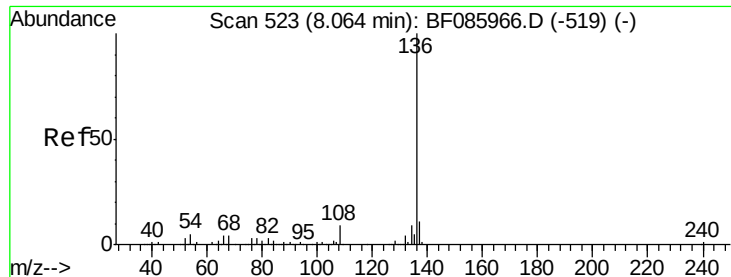
107 100

108 84.7 69.3 109.3

77 117.4 101.7 141.7

79 26.0 8.3 48.3





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 522

Delta R.T. -0.01 min

Lab File: BF085982.D

Acq: 2 Apr 2016 1:08

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

Tot Ion:136 Resp: 422928

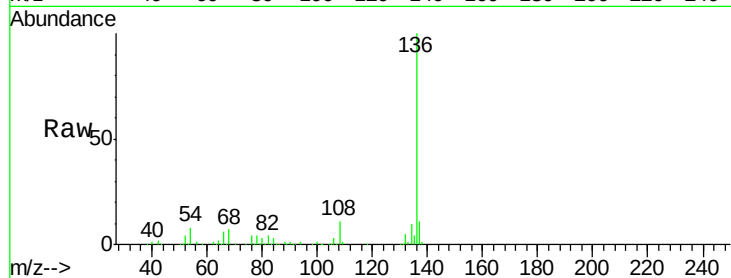
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 7.9 7.4 11.0

68 6.7 5.8 8.8

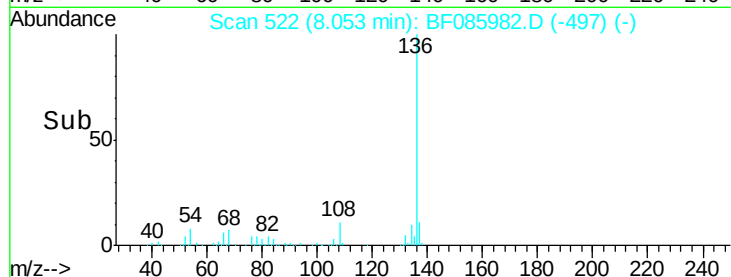


Abundance Ion 136.00 (135.70 to 136.70): E

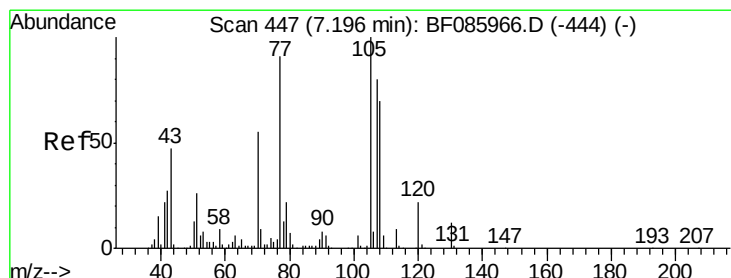
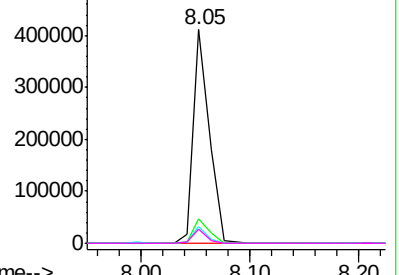
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#22

Acetophenone

Concen: 7.53 ng

RT: 7.18 min Scan# 446

Delta R.T. -0.01 min

Lab File: BF085982.D

Acq: 2 Apr 2016 1:08

Tgt Ion:105 Resp: 74884

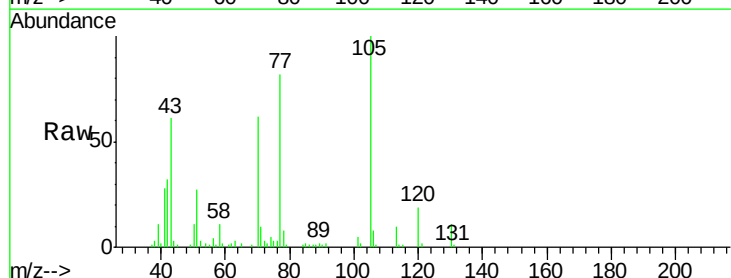
Ion Ratio Lower Upper

105 100

71 9.9 3.6 5.4#

51 26.9 25.4 38.0

120 19.4 16.9 25.3

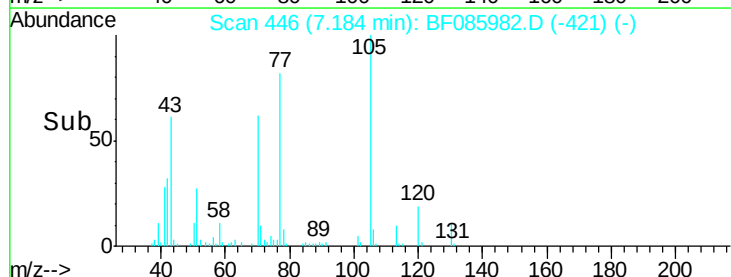


Abundance Ion 105.00 (104.70 to 105.70): E

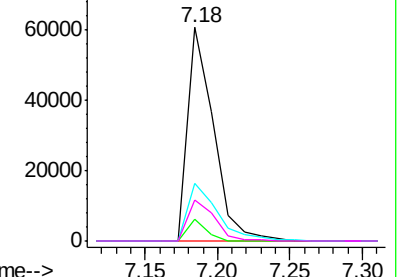
Ion 71.00 (70.70 to 71.70): BF0

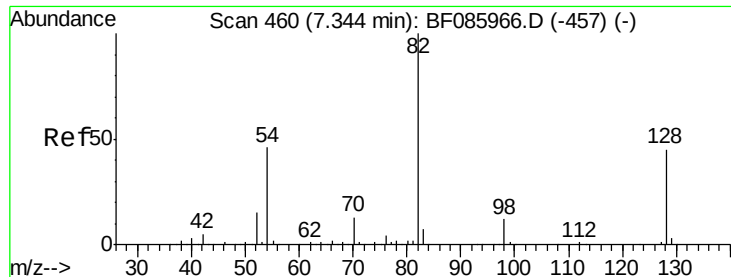
Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



Time-->

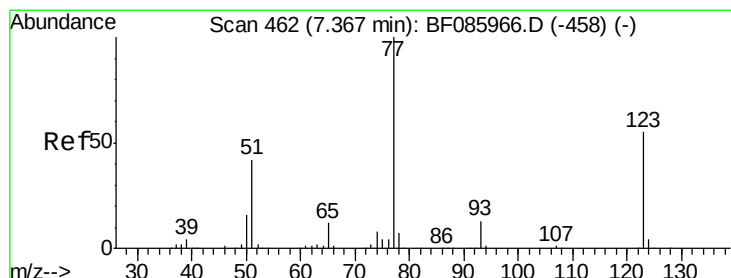
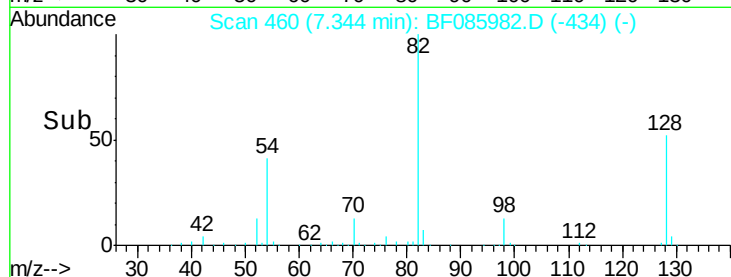
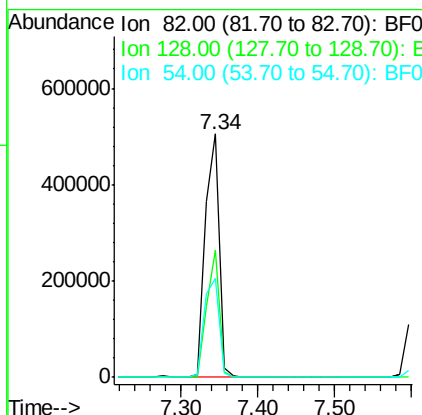
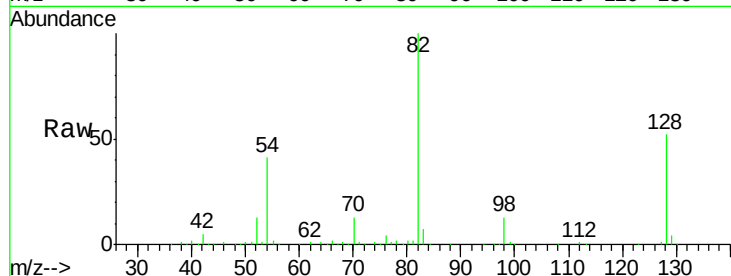




#23
 Nitrobenzene-d5
 Concen: 87.06 ng
 RT: 7.34 min Scan# 460
 Delta R.T. 0.00 min
 Lab File: BF085982.D
 Acq: 2 Apr 2016 1:08

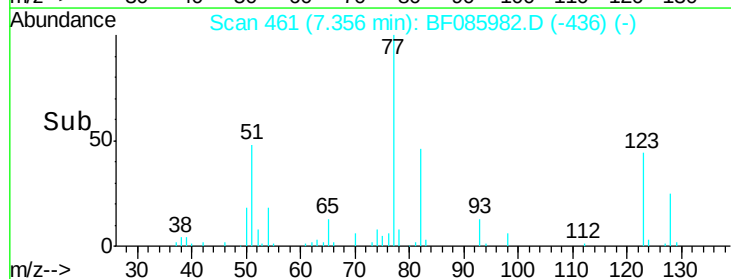
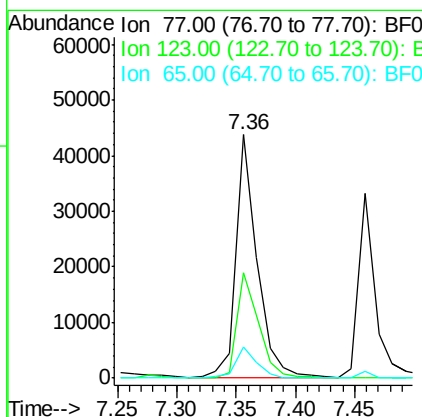
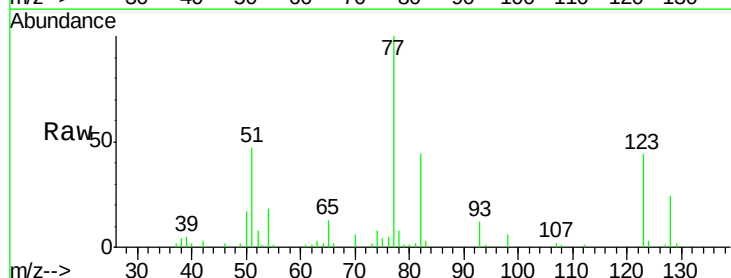
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

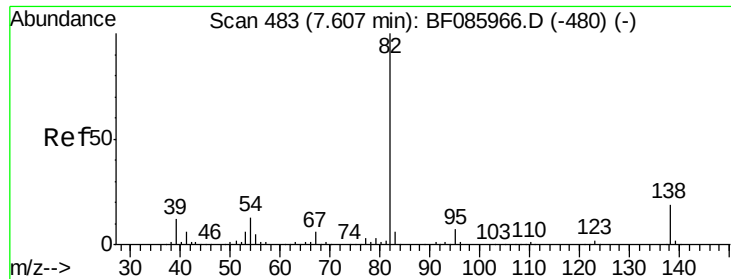
Tot Ion: 82 Resp: 624378
 Ion Ratio Lower Upper
 82 100
 128 52.3 41.8 62.8
 54 40.8 33.4 50.0



#24
 Nitrobenzene
 Concen: 7.04 ng
 RT: 7.36 min Scan# 461
 Delta R.T. -0.01 min
 Lab File: BF085982.D
 Acq: 2 Apr 2016 1:08

Tgt Ion: 77 Resp: 55254
 Ion Ratio Lower Upper
 77 100
 123 43.5 35.0 52.4
 65 12.7 10.6 16.0





#25

Isophorone

Concen: 7.06 ng

RT: 7.60 min Scan# 482

Delta R.T. -0.01 min

Lab File: BF085982.D

Acq: 2 Apr 2016 1:08

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

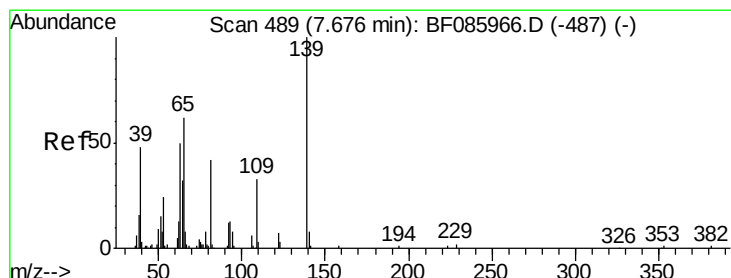
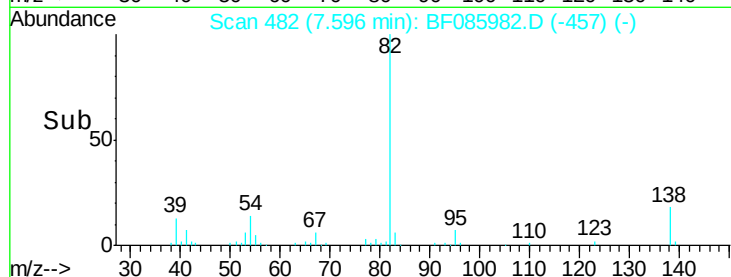
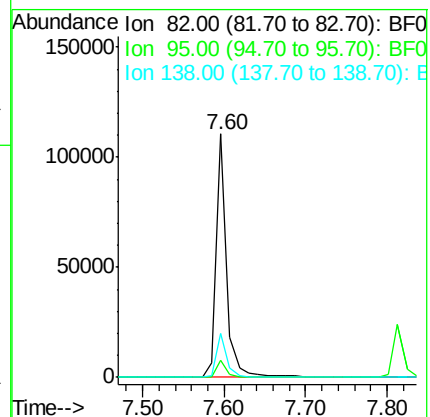
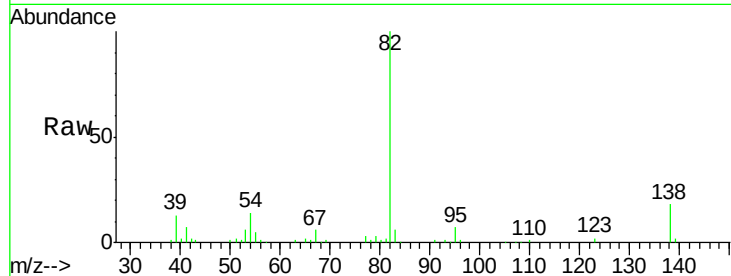
Tot Ion: 82 Resp: 99991

Ion Ratio Lower Upper

82 100

95 7.0 5.4 8.2

138 17.8 12.9 19.3



#26

2-Nitrophenol

Concen: 5.76 ng

RT: 7.69 min Scan# 490

Delta R.T. 0.01 min

Lab File: BF085982.D

Acq: 2 Apr 2016 1:08

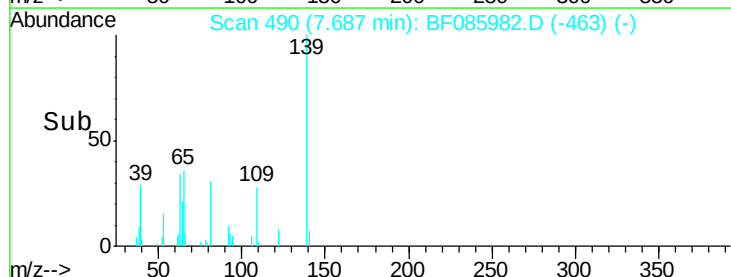
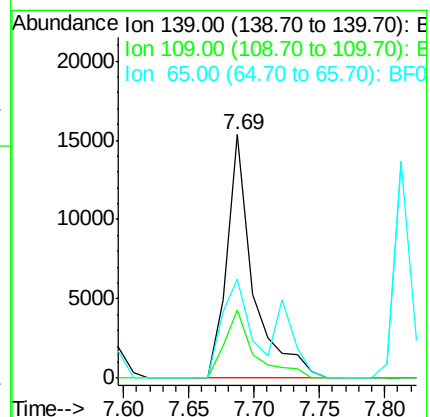
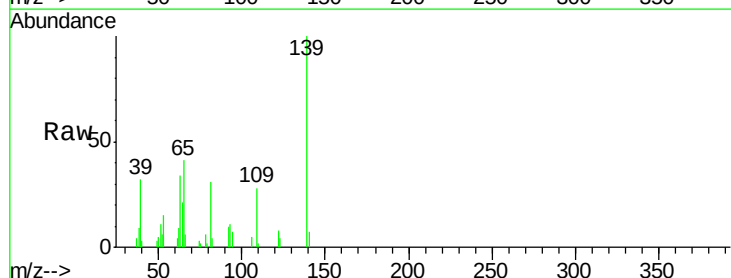
Tgt Ion: 139 Resp: 21617

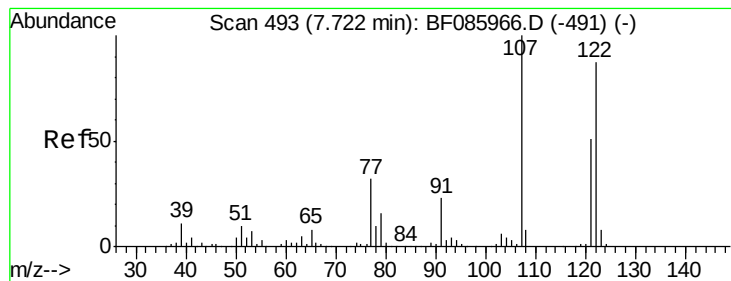
Ion Ratio Lower Upper

139 100

109 27.9 22.1 33.1

65 40.7 33.9 50.9





#27

2,4-Dimethylphenol

Concen: 7.49 ng

RT: 7.72 min Scan# 493

Delta R.T. 0.00 min

Lab File: BF085982.D

Acq: 2 Apr 2016 1:08

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

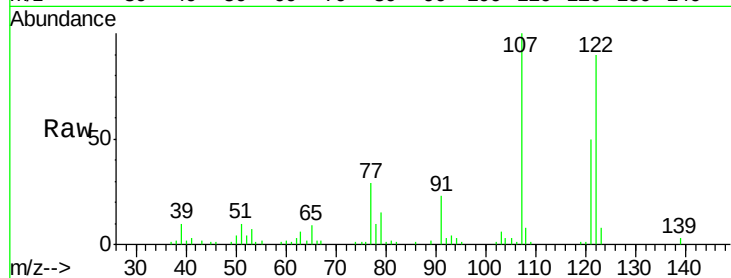
Tot Ion:122 Resp: 50466

Ion Ratio Lower Upper

122 100

107 111.4 93.0 139.6

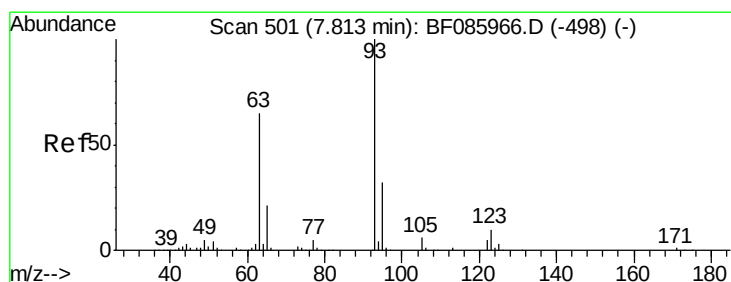
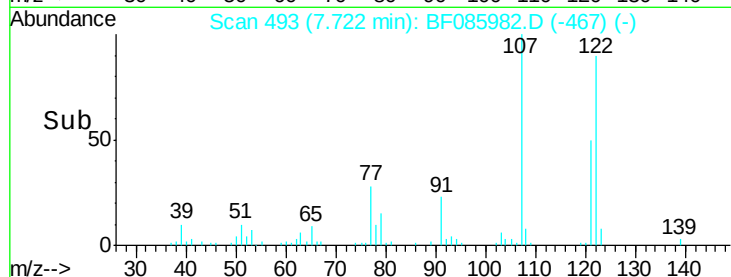
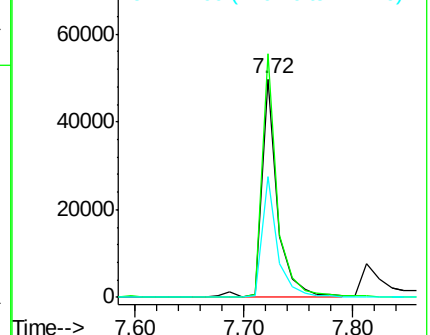
121 55.2 45.9 68.9



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 7.58 ng

RT: 7.81 min Scan# 501

Delta R.T. 0.00 min

Lab File: BF085982.D

Acq: 2 Apr 2016 1:08

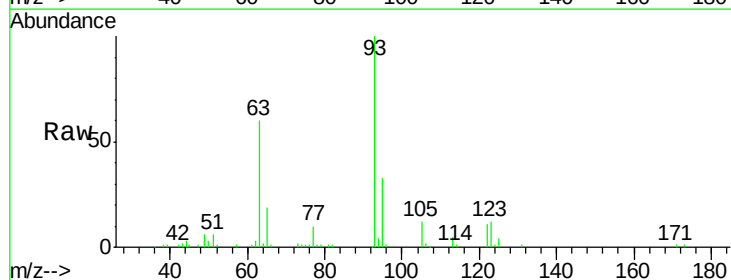
Tgt Ion: 93 Resp: 62951

Ion Ratio Lower Upper

93 100

95 33.0 26.4 39.6

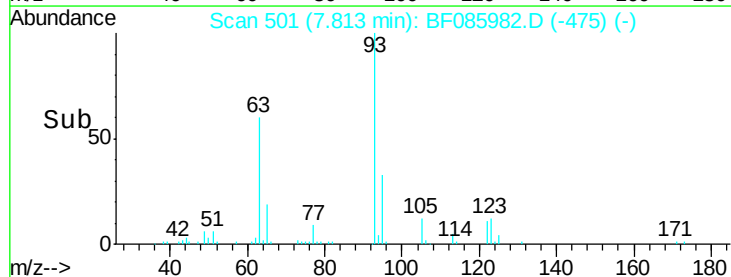
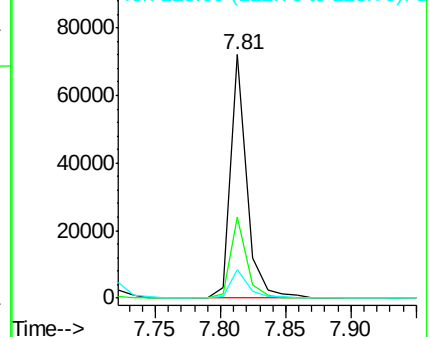
123 11.7 9.8 14.6

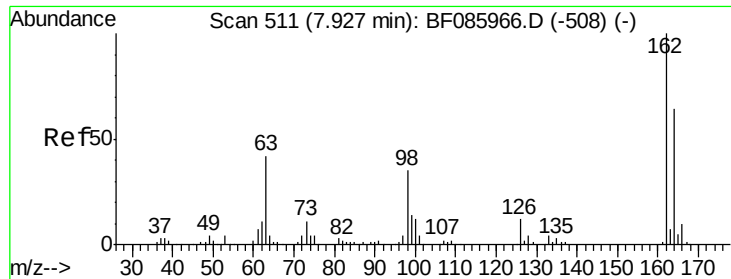


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

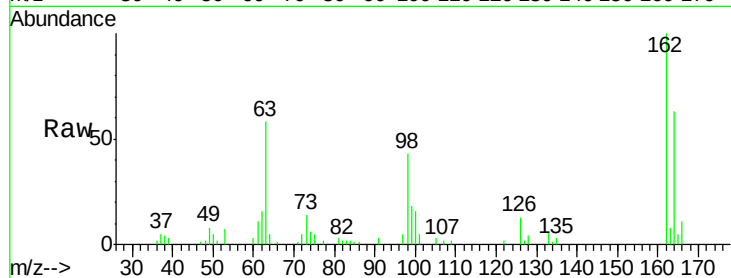




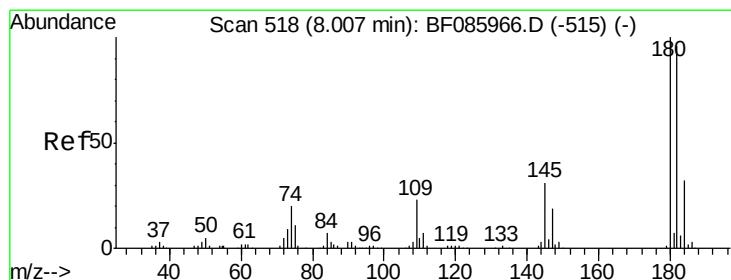
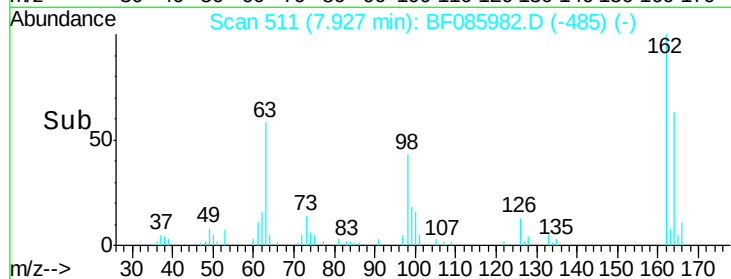
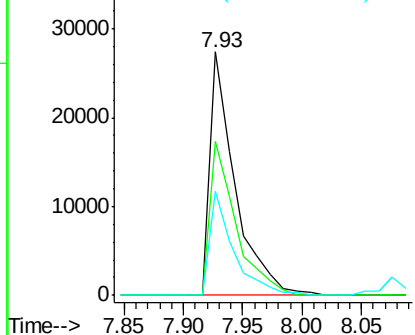
#29
 2,4-Dichlorophenol
 Concen: 7.06 ng
 RT: 7.93 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: BF085982.D
 Acq: 2 Apr 2016 1:08

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tot Ion:162 Resp: 40234
 Ion Ratio Lower Upper
 162 100
 164 63.5 43.7 83.7
 98 42.9 20.4 60.4

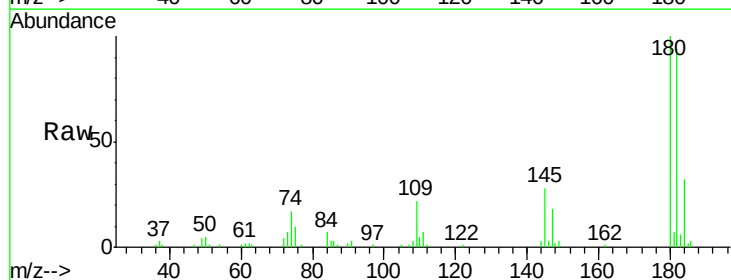


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

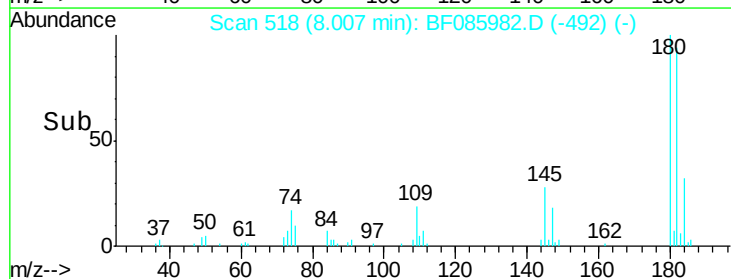
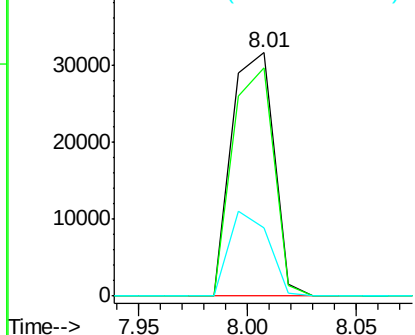


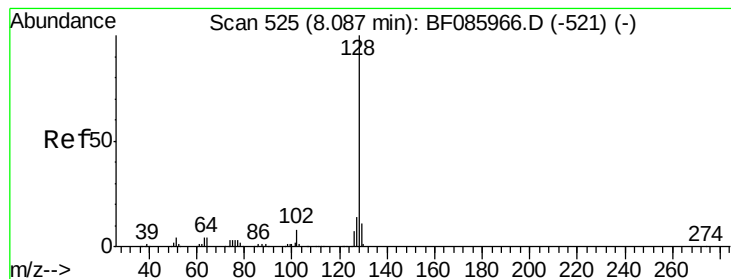
#30
 1,2,4-Trichlorobenzene
 Concen: 6.66 ng
 RT: 8.01 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: BF085982.D
 Acq: 2 Apr 2016 1:08

Tgt Ion:180 Resp: 42583
 Ion Ratio Lower Upper
 180 100
 182 93.8 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: 7.13 ng

RT: 8.08 min Scan# 524

Delta R.T. -0.01 min

Lab File: BF085982.D

Acq: 2 Apr 2016 1:08

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

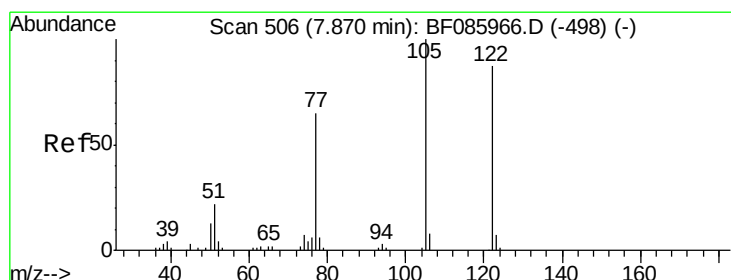
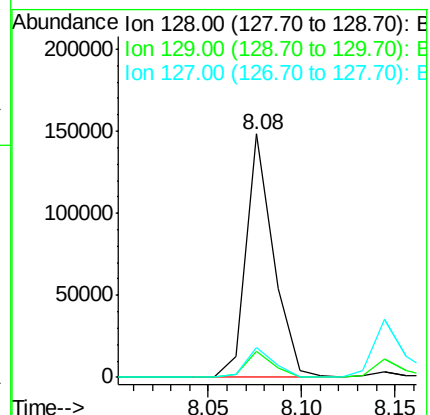
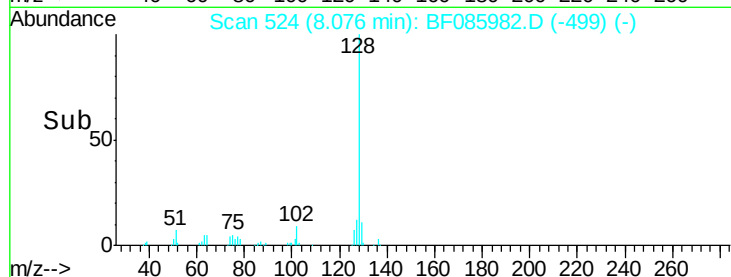
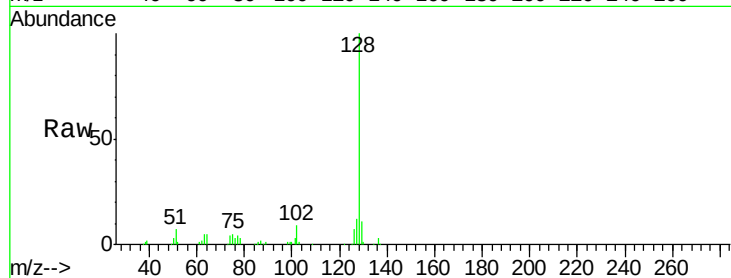
Tot Ion:128 Resp: 151746

Ion Ratio Lower Upper

128 100

129 10.9 9.4 14.0

127 12.4 11.0 16.6



#32

Benzoic acid

Concen: 3.71 ng

RT: 7.81 min Scan# 501

Delta R.T. -0.06 min

Lab File: BF085982.D

Acq: 2 Apr 2016 1:08

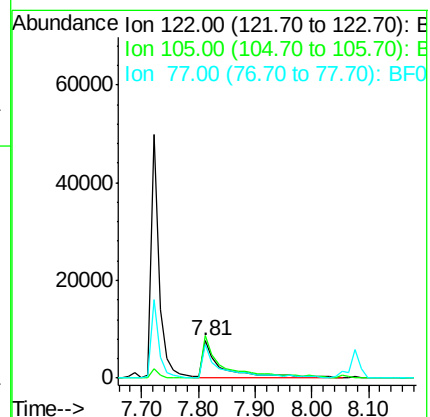
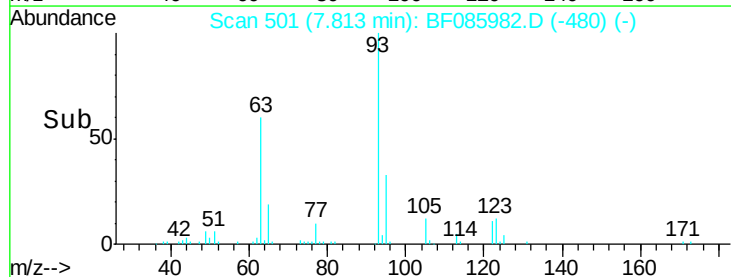
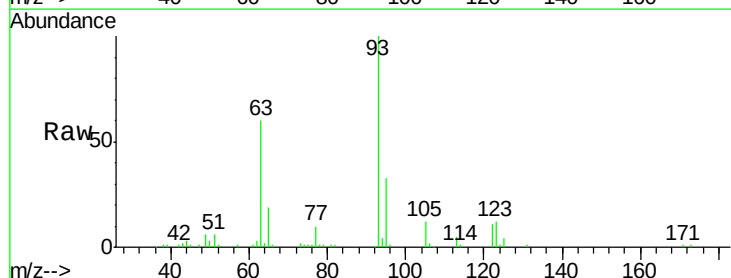
Tgt Ion:122 Resp: 18364

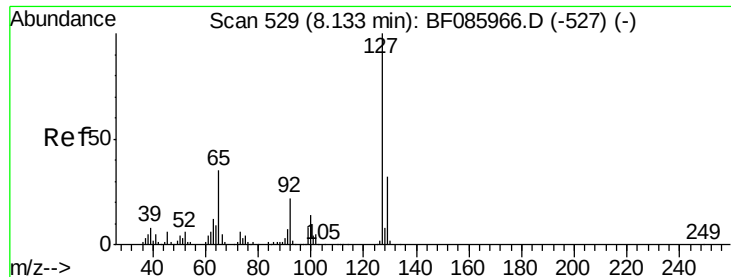
Ion Ratio Lower Upper

122 100

105 114.6 102.9 142.9

77 91.8 71.8 111.8

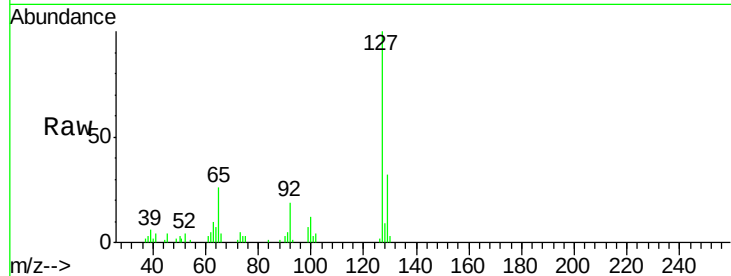




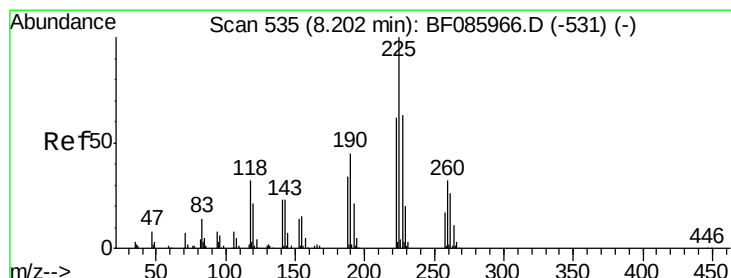
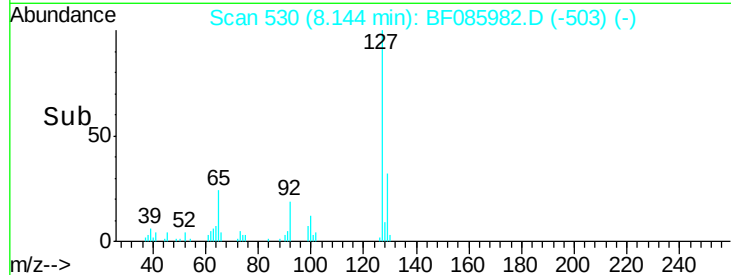
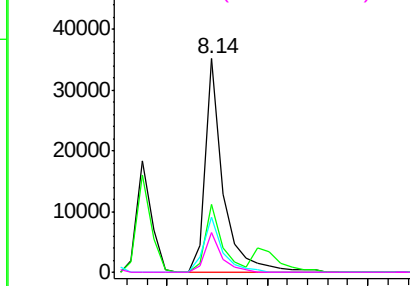
#33
4-Chloroaniline
Concen: 5.09 ng
RT: 8.14 min Scan# 530
Delta R.T. 0.01 min
Lab File: BF085982.D
Acq: 2 Apr 2016 1:08

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tot Ion:127	Resp:	43749
Ion Ratio	Lower	Upper
127	100	
129	32.0	26.1 39.1
65	25.9	19.5 29.3
92	18.6	14.6 22.0

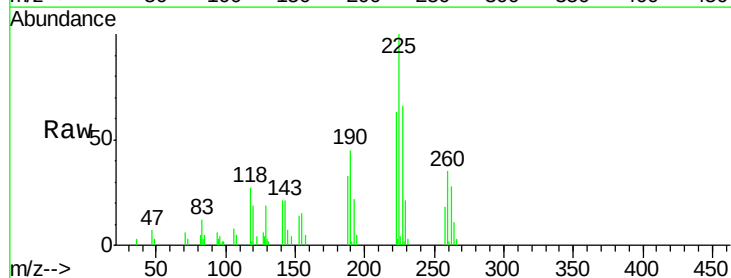


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

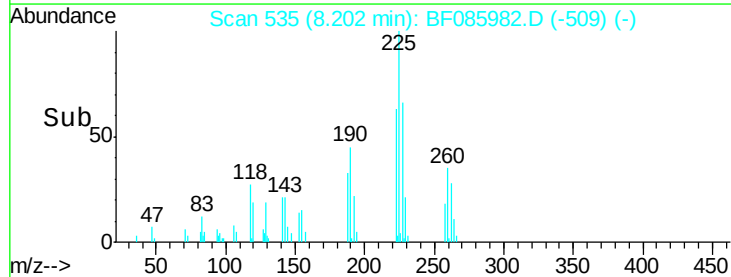
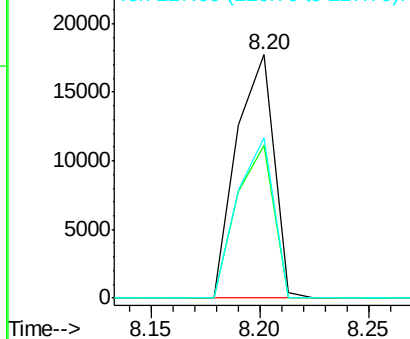


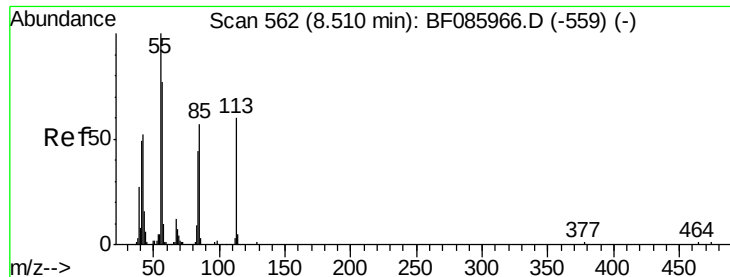
#34
Hexachlorobutadiene
Concen: 6.14 ng
RT: 8.20 min Scan# 535
Delta R.T. 0.00 min
Lab File: BF085982.D
Acq: 2 Apr 2016 1:08

Tgt Ion:225	Resp:	21127
Ion Ratio	Lower	Upper
225	100	
223	62.6	50.4 75.6
227	65.8	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

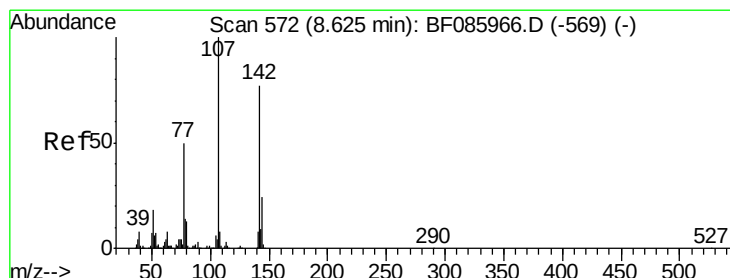
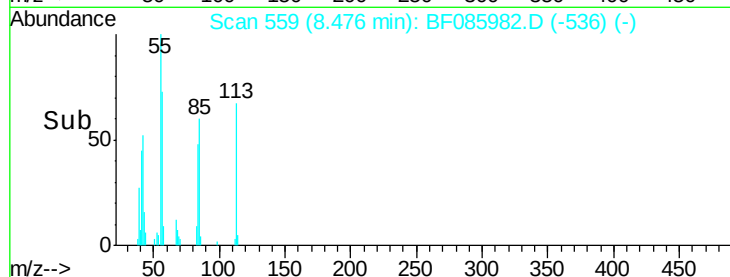
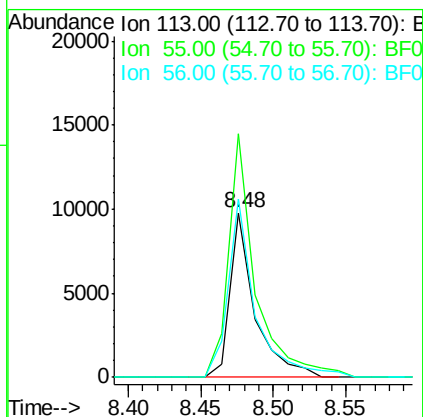
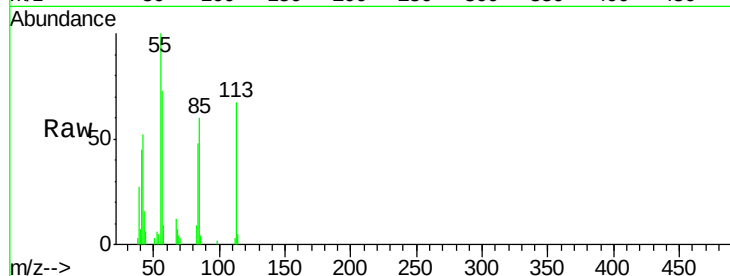




#35
 Caprolactam
 Concen: 6.39 ng
 RT: 8.48 min Scan# 559
 Delta R.T. -0.03 min
 Lab File: BF085982.D
 Acq: 2 Apr 2016 1:08

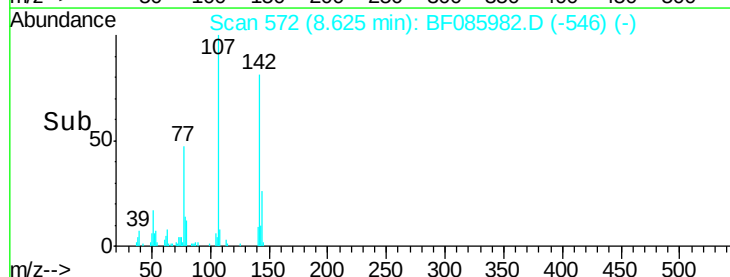
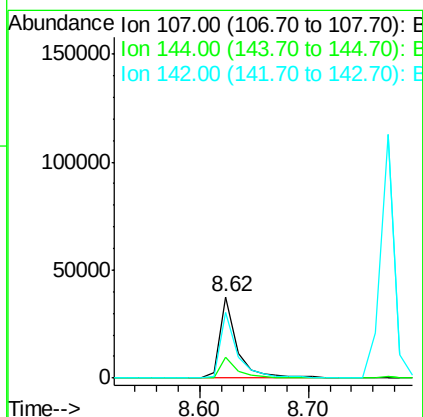
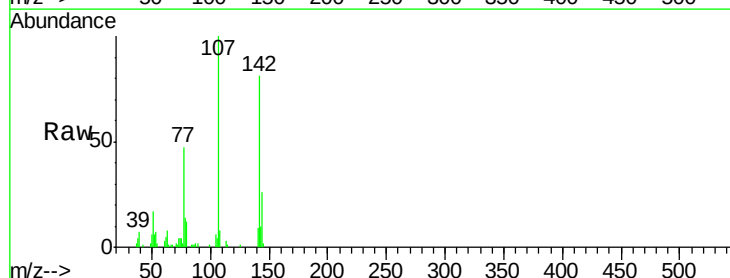
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

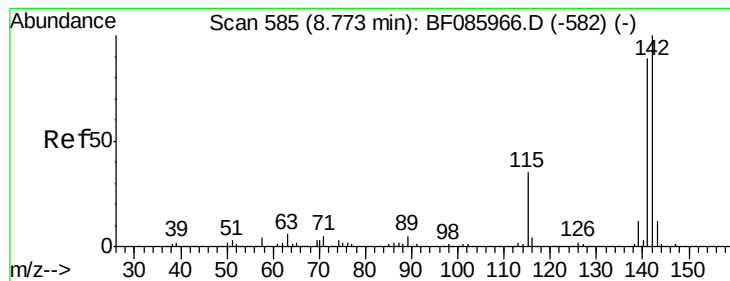
Tot Ion:113 Resp: 11562
 Ion Ratio Lower Upper
 113 100
 55 148.2 139.4 179.4
 56 108.8 100.4 140.4



#36
 4-Chloro-3-methylphenol
 Concen: 6.52 ng
 RT: 8.62 min Scan# 572
 Delta R.T. 0.00 min
 Lab File: BF085982.D
 Acq: 2 Apr 2016 1:08

Tgt Ion:107 Resp: 41774
 Ion Ratio Lower Upper
 107 100
 144 25.9 19.3 28.9
 142 81.3 61.4 92.0





#37

2-Methylnaphthalene

Concen: 7.27 ng

RT: 8.77 min Scan# 585

Delta R.T. 0.00 min

Lab File: BF085982.D

Acq: 2 Apr 2016 1:08

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

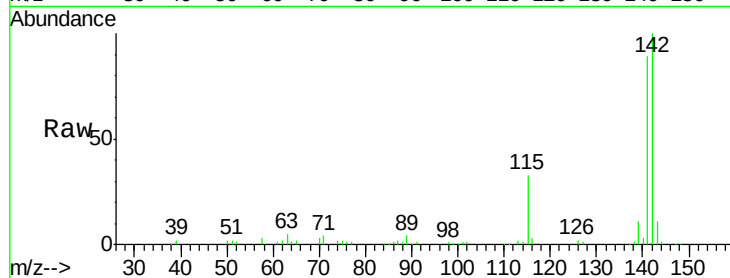
Tot Ion:142 Resp: 101080

Ion Ratio Lower Upper

142 100

141 88.6 71.6 107.4

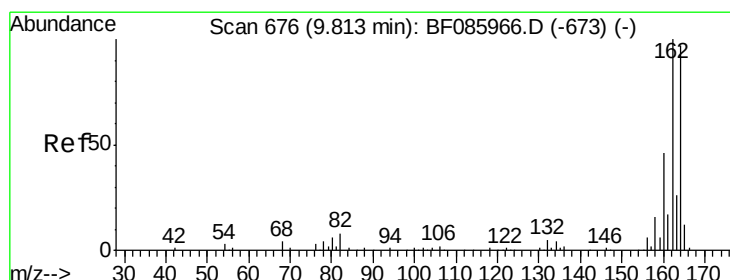
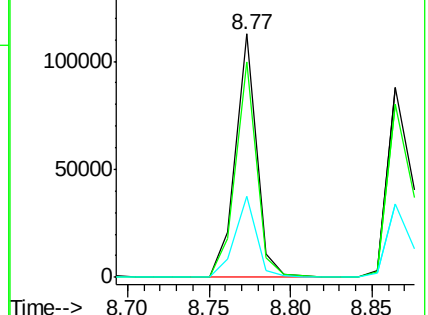
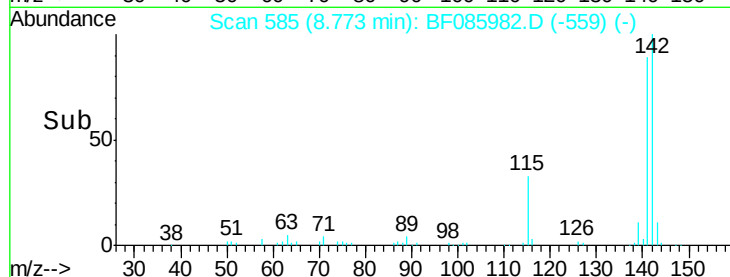
115 33.3 26.8 40.2



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: BF085982.D

Acq: 2 Apr 2016 1:08

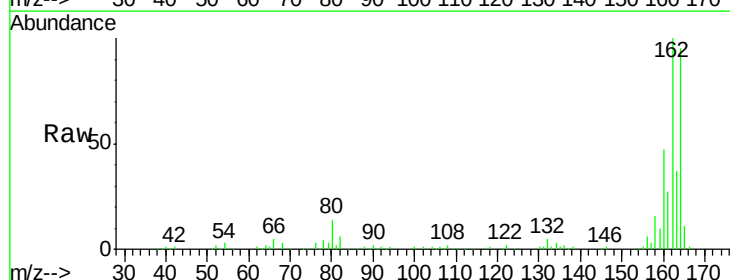
Tgt Ion:164 Resp: 201497

Ion Ratio Lower Upper

164 100

162 105.1 82.1 123.1

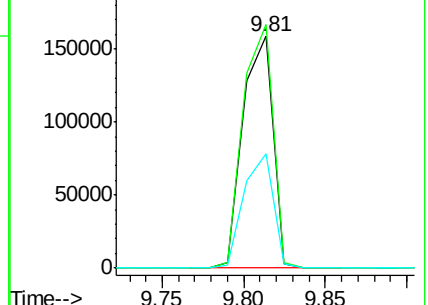
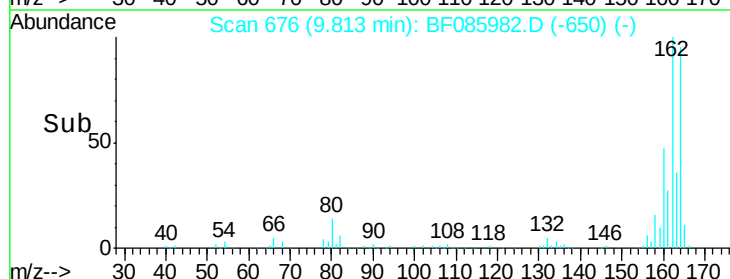
160 49.2 37.4 56.2

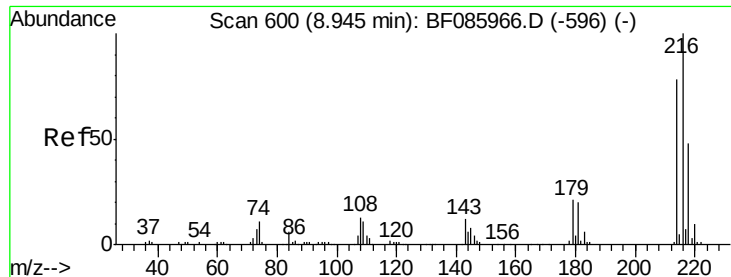


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

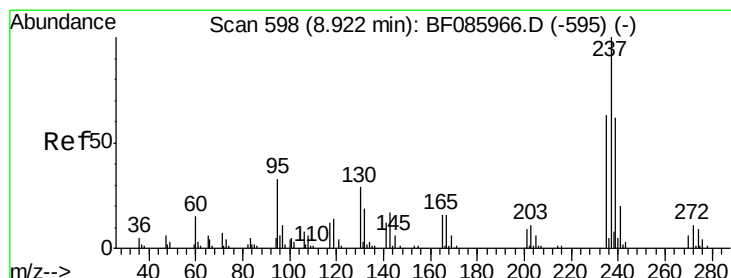
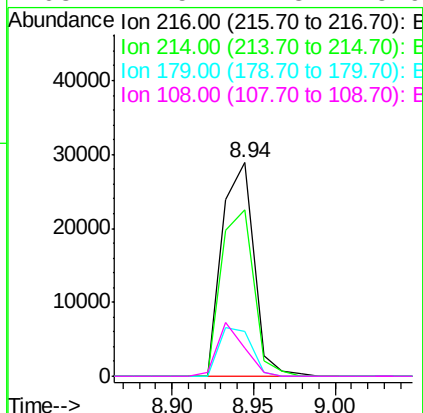
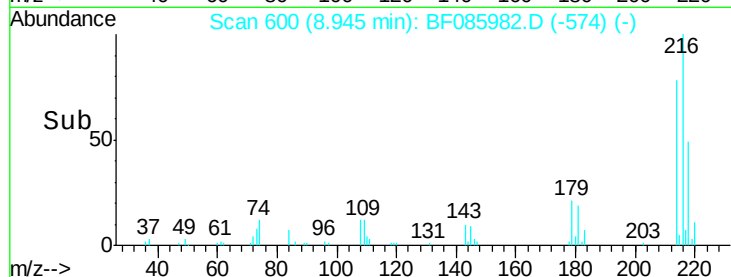
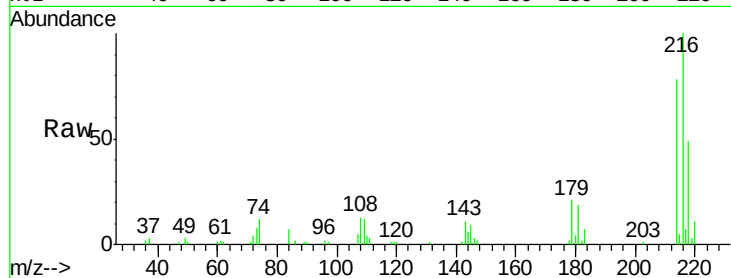




#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 6.41 ng
 RT: 8.94 min Scan# 600
 Delta R.T. 0.00 min
 Lab File: BF085982.D
 Acq: 2 Apr 2016 1:08

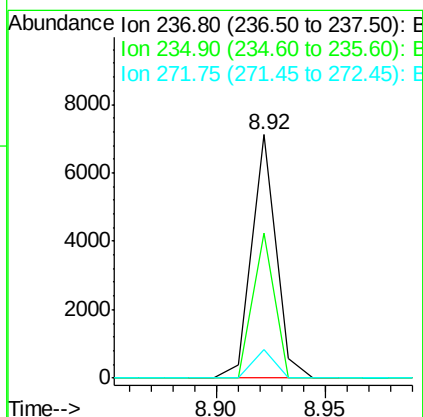
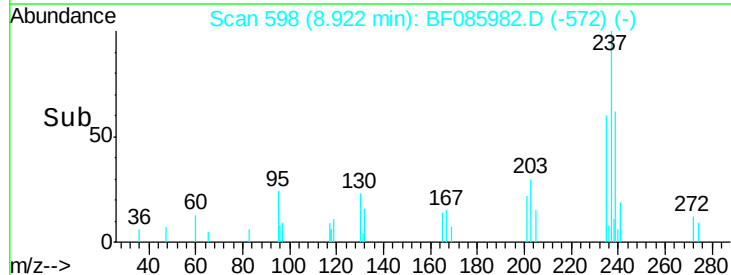
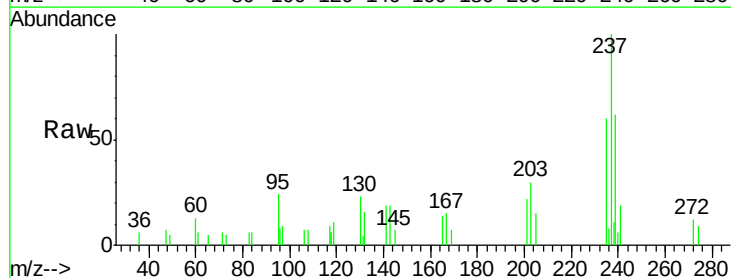
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

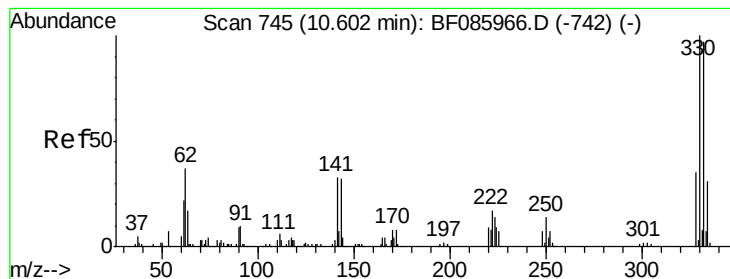
Tot Ion:216	Resp:	38848
Ion Ratio	Lower	Upper
216	100	
214	79.2	63.1 94.7
179	23.1	18.2 27.2
108	21.5	17.3 25.9



#40
 Hexachlorocyclopentadiene
 Concen: 8.75 ng
 RT: 8.92 min Scan# 598
 Delta R.T. 0.00 min
 Lab File: BF085982.D
 Acq: 2 Apr 2016 1:08

Tgt Ion:237	Resp:	5522
Ion Ratio	Lower	Upper
237	100	
235	59.6	43.7 83.7
272	11.8	0.0 31.9

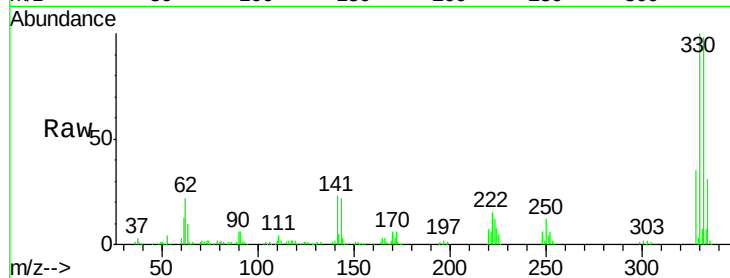




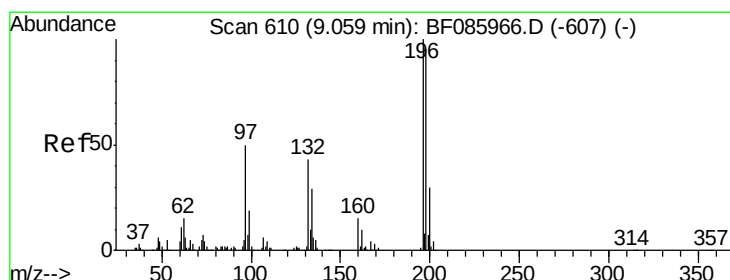
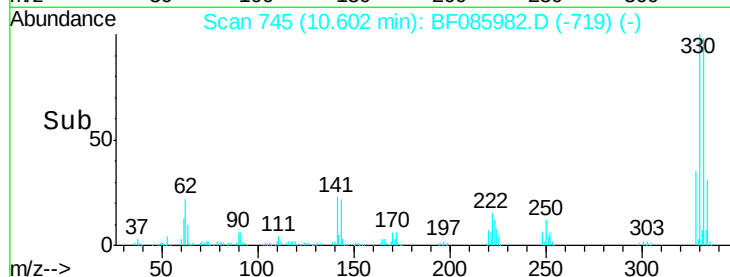
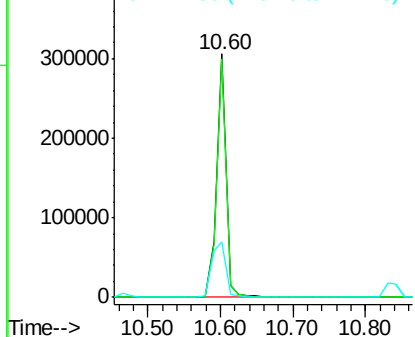
#41
 2,4,6-Tribromophenol
 Concen: 146.00 ng
 RT: 10.60 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: BF085982.D
 Acq: 2 Apr 2016 1:08

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	78.2	117.2
141	34.7	31.5	47.3

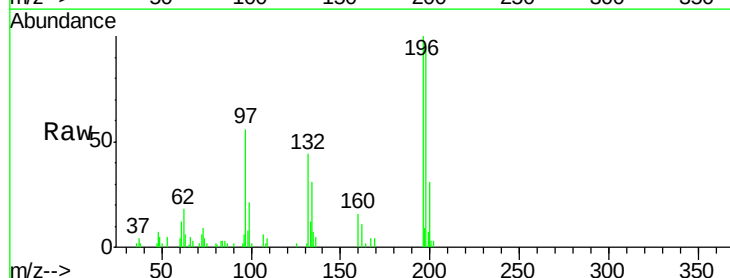


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

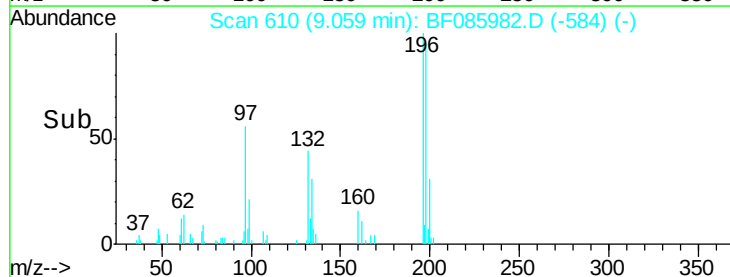
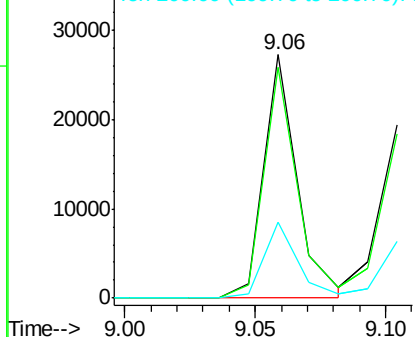


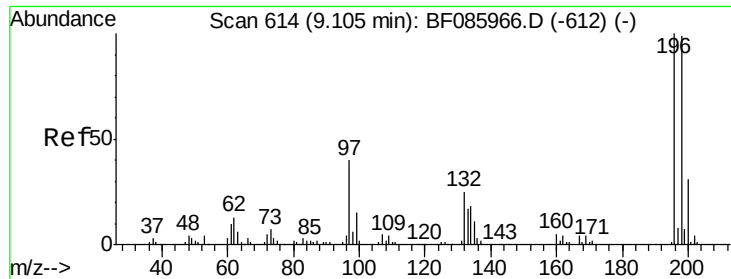
#42
 2,4,6-Trichlorophenol
 Concen: 6.16 ng
 RT: 9.06 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: BF085982.D
 Acq: 2 Apr 2016 1:08

Tgt Ion	Ratio	Lower	Upper
196	100		
198	94.7	75.3	112.9
200	31.2	23.7	35.5



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

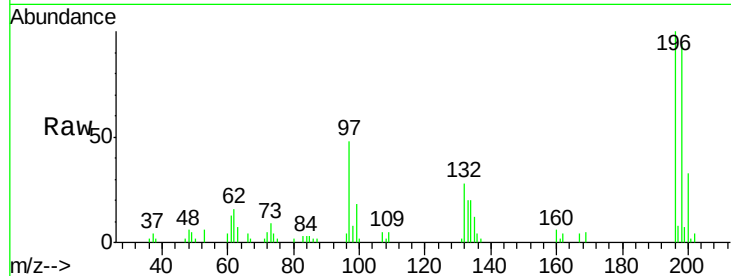




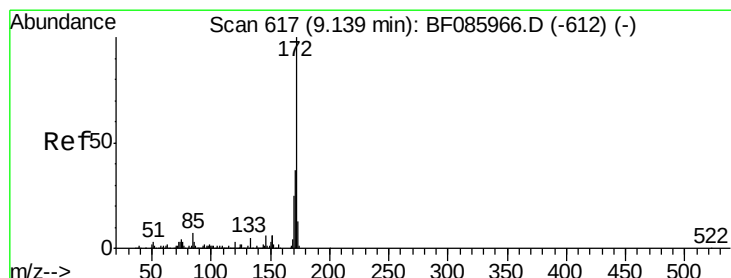
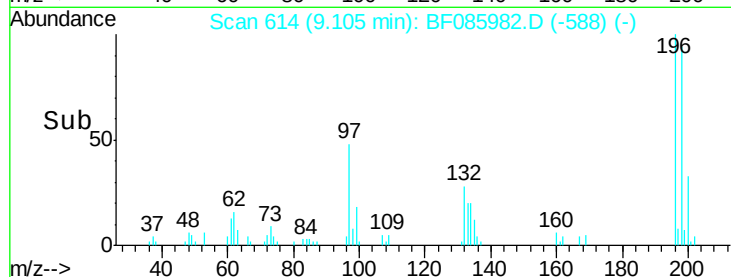
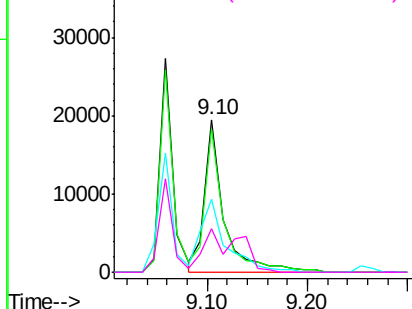
#43
 2,4,5-Trichlorophenol
 Concen: 6.70 ng
 RT: 9.10 min Scan# 614
 Delta R.T. 0.00 min
 Lab File: BF085982.D
 Acq: 2 Apr 2016 1:08

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tot Ion:196 Resp: 26461
 Ion Ratio Lower Upper
 196 100
 198 94.2 76.6 114.8
 97 47.7 30.5 45.7#
 132 28.3 20.2 30.2

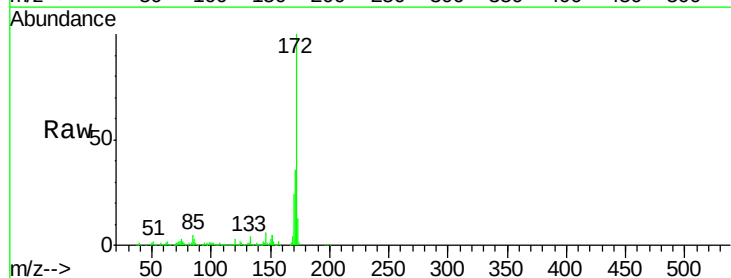


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

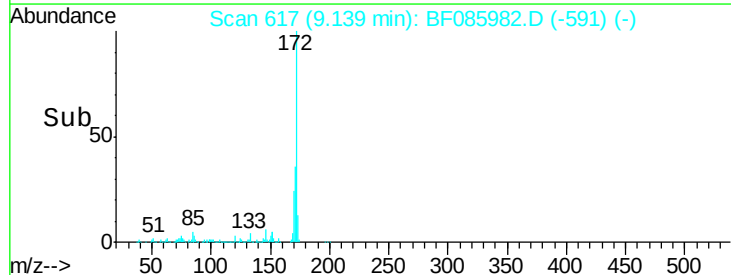
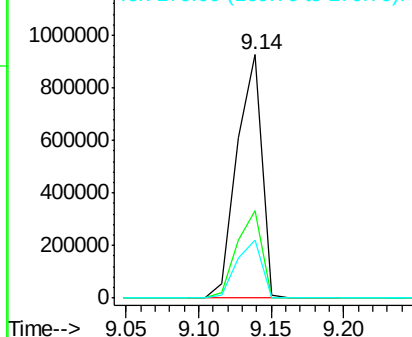


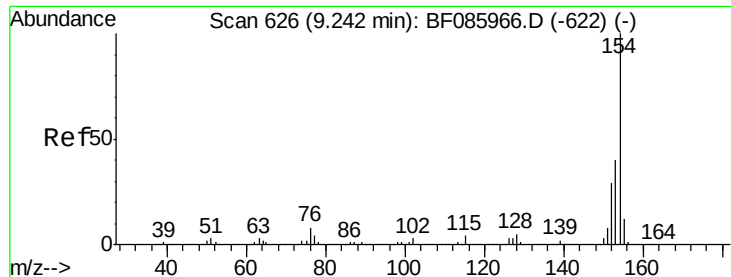
#44
 2-Fluorobiphenyl
 Concen: 90.97 ng
 RT: 9.14 min Scan# 617
 Delta R.T. 0.00 min
 Lab File: BF085982.D
 Acq: 2 Apr 2016 1:08

Tgt Ion:172 Resp: 1102436
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.4 44.2
 170 24.0 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

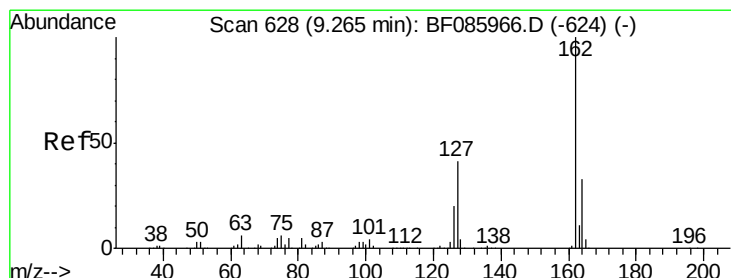
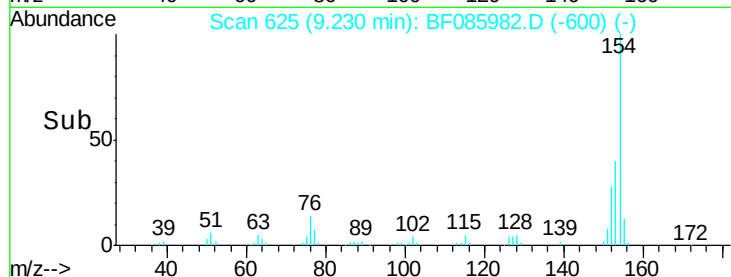
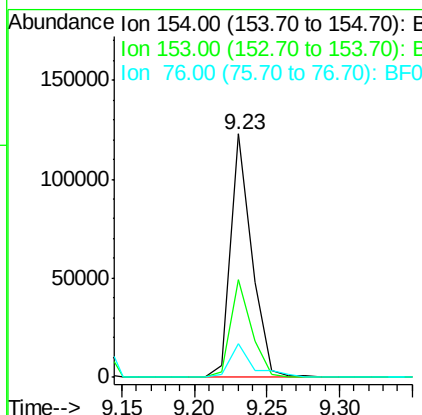
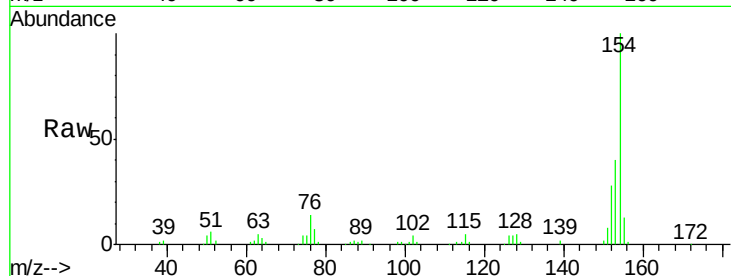




#45
 1,1'-Biphenyl
 Concen: 7.18 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.01 min
 Lab File: BF085982.D
 Acq: 2 Apr 2016 1:08

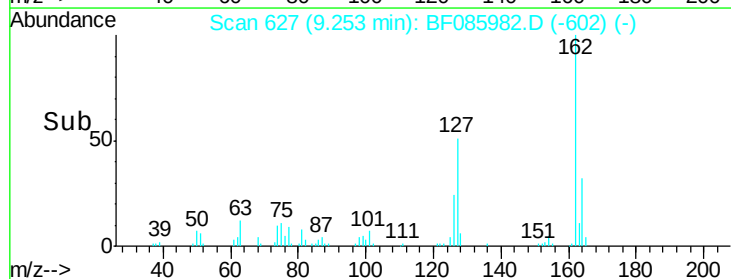
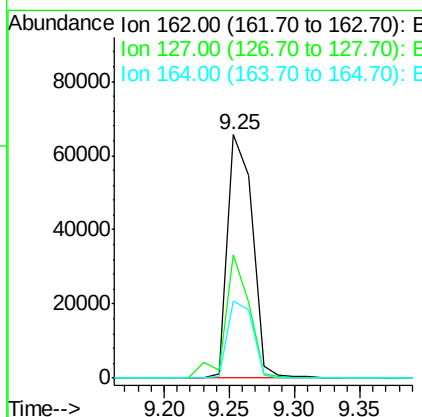
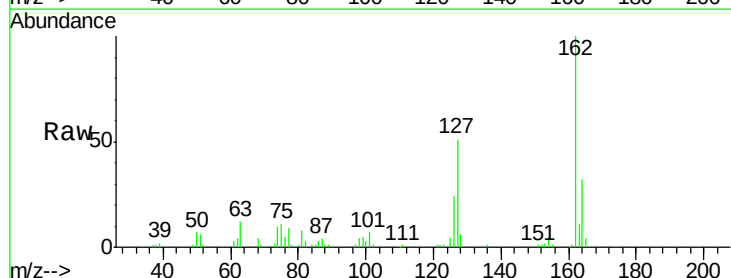
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

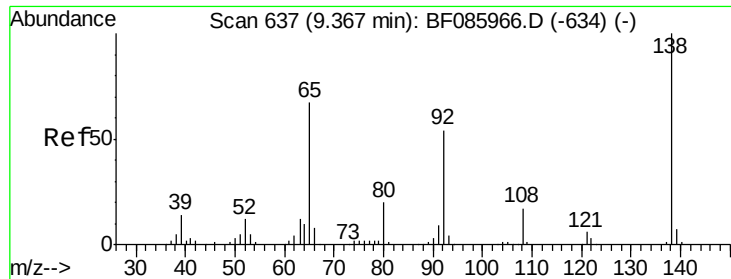
Tot Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.8	60.8
76	13.8	0.0	36.7



#46
 2-Chloronaphthalene
 Concen: 6.87 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF085982.D
 Acq: 2 Apr 2016 1:08

Tgt Ion	Ratio	Lower	Upper
162	100		
127	50.9	31.7	47.5#
164	31.9	27.3	40.9

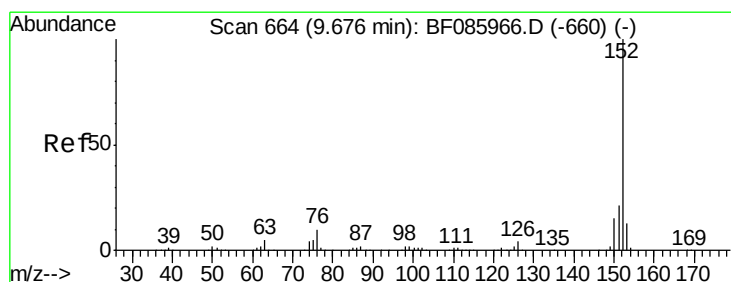
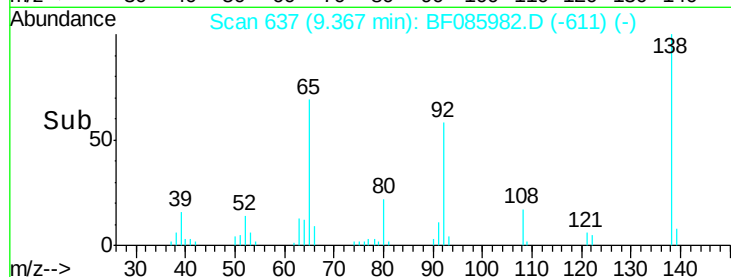
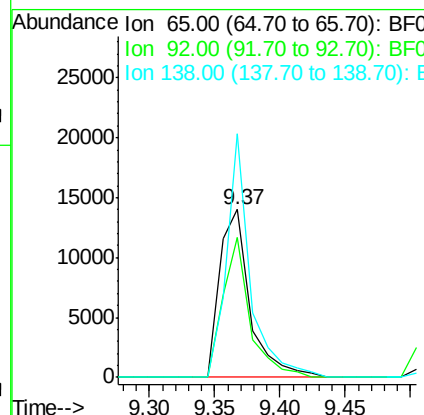
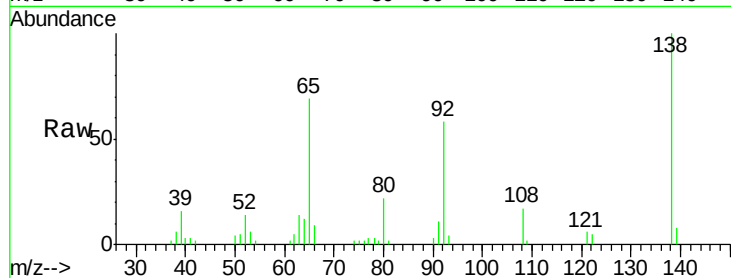




#47
2-Nitroaniline
Concen: 6.19 ng
RT: 9.37 min Scan# 637
Delta R.T. 0.00 min
Lab File: BF085982.D
Acq: 2 Apr 2016 1:08

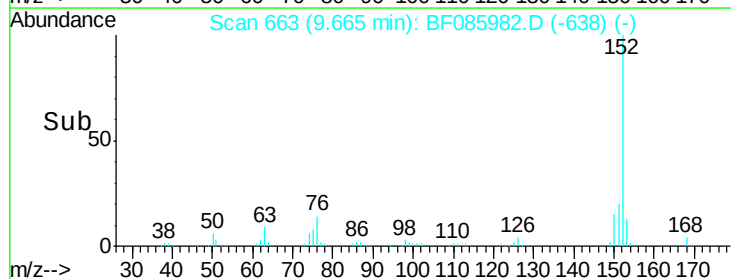
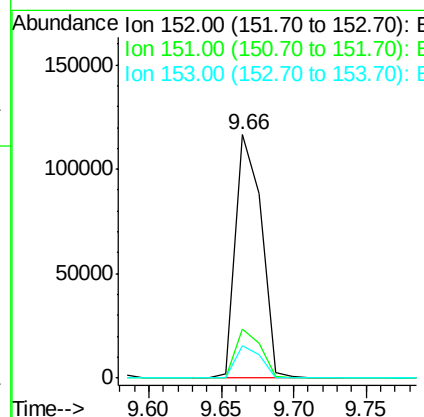
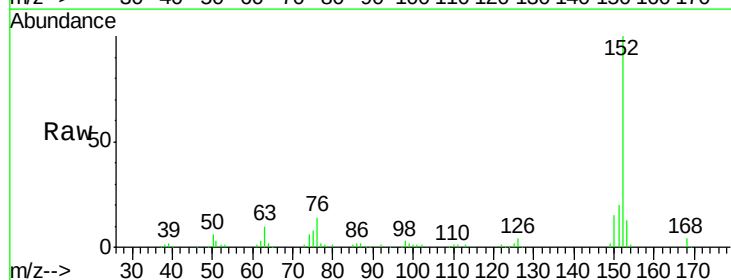
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

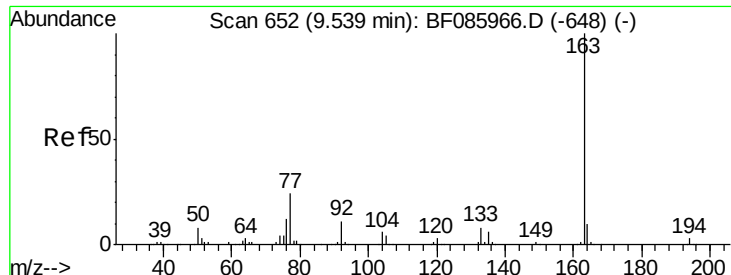
Tot Ion: 65 Resp: 22799
Ion Ratio Lower Upper
65 100
92 83.7 59.7 89.5
138 145.3 91.4 137.0#



#48
Acenaphthylene
Concen: 7.16 ng
RT: 9.66 min Scan# 663
Delta R.T. -0.01 min
Lab File: BF085982.D
Acq: 2 Apr 2016 1:08

Tgt Ion: 152 Resp: 144535
Ion Ratio Lower Upper
152 100
151 20.0 16.8 25.2
153 13.4 10.9 16.3

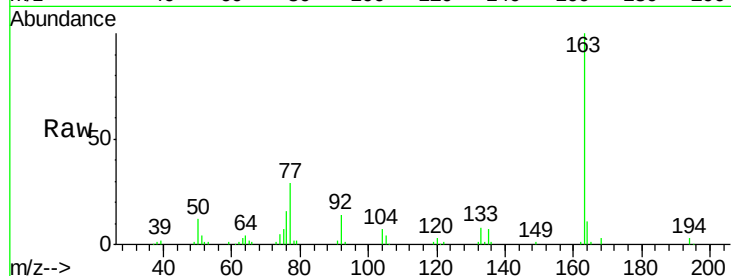




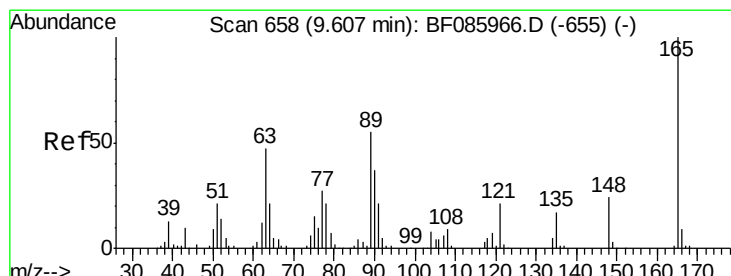
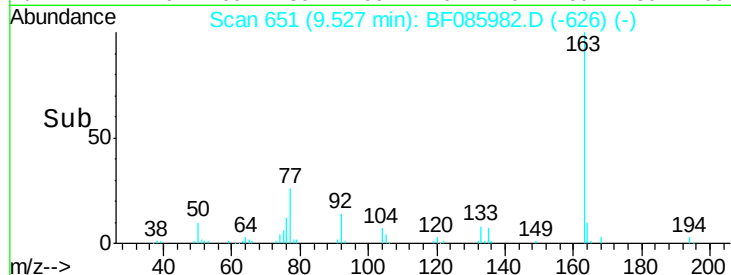
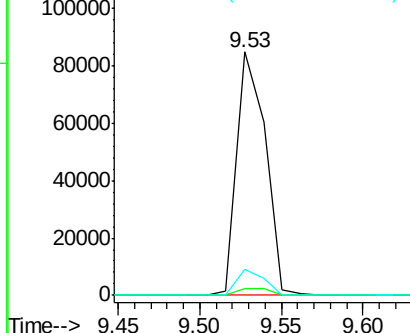
#49
Dimethylphthalate
Concen: 6.85 ng
RT: 9.53 min Scan# 651
Delta R.T. -0.01 min
Lab File: BF085982.D
Acq: 2 Apr 2016 1:08

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tot Ion:163 Resp: 102346
Ion Ratio Lower Upper
163 100
194 3.0 2.9 4.3
164 10.8 8.3 12.5

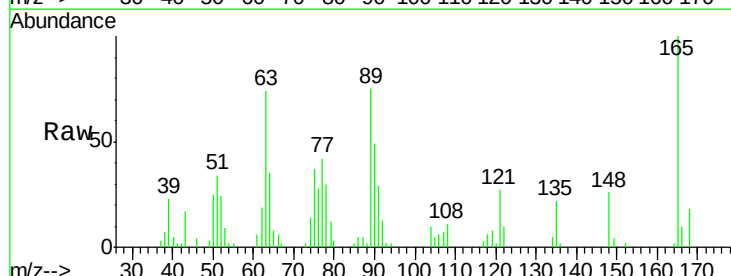


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

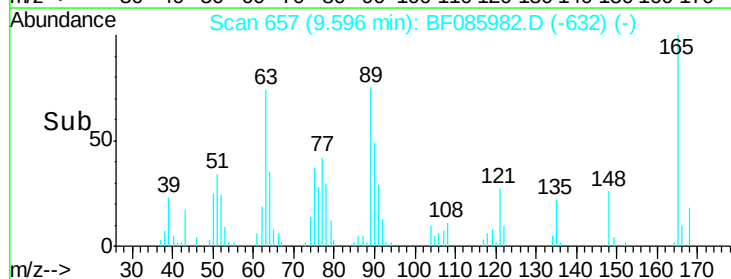
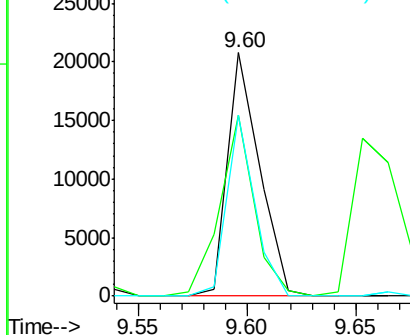


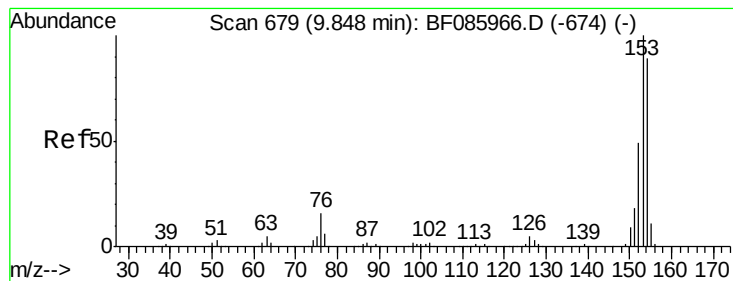
#50
2,6-Dinitrotoluene
Concen: 6.71 ng
RT: 9.60 min Scan# 657
Delta R.T. -0.01 min
Lab File: BF085982.D
Acq: 2 Apr 2016 1:08

Tgt Ion:165 Resp: 21194
Ion Ratio Lower Upper
165 100
63 74.2 51.8 77.8
89 74.5 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: 7.32 ng

RT: 9.84 min Scan# 678

Delta R.T. -0.01 min

Lab File: BF085982.D

Acq: 2 Apr 2016 1:08

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

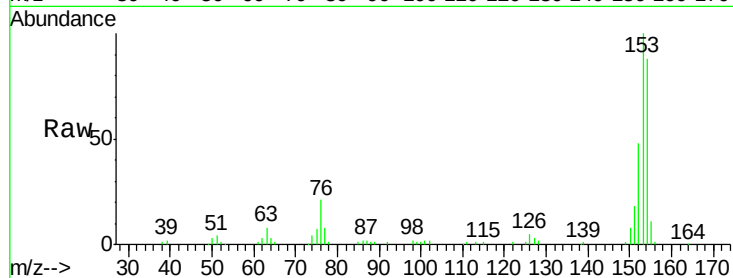
Tot Ion:154 Resp: 87822

Ion Ratio Lower Upper

154 100

153 113.6 90.1 135.1

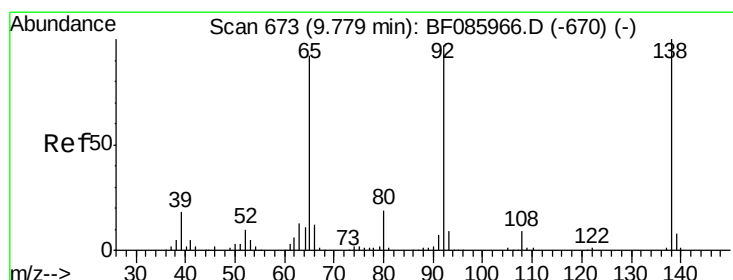
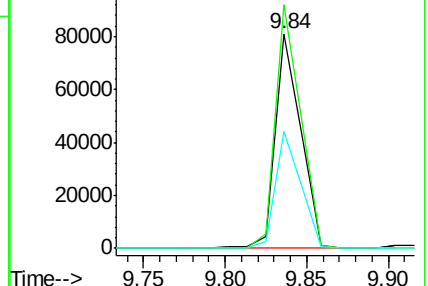
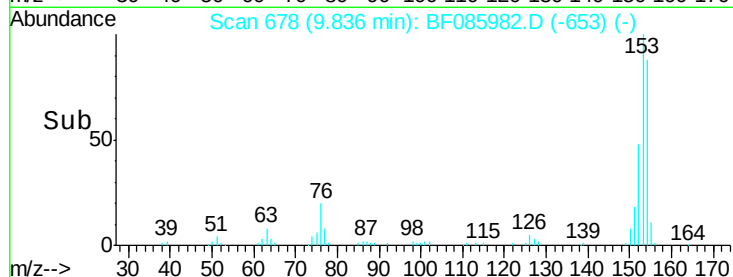
152 54.3 44.2 66.2



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: 6.03 ng

RT: 9.78 min Scan# 673

Delta R.T. 0.00 min

Lab File: BF085982.D

Acq: 2 Apr 2016 1:08

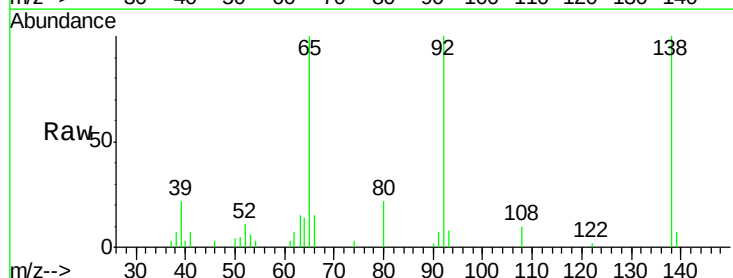
Tgt Ion:138 Resp: 22964

Ion Ratio Lower Upper

138 100

108 10.3 8.7 13.1

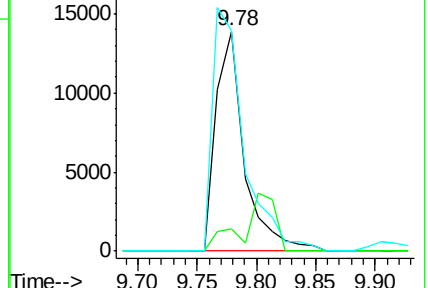
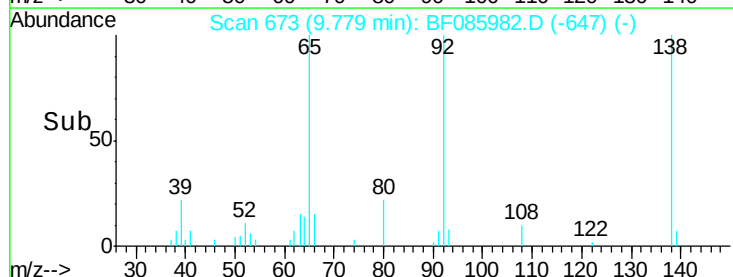
92 100.3 93.3 139.9

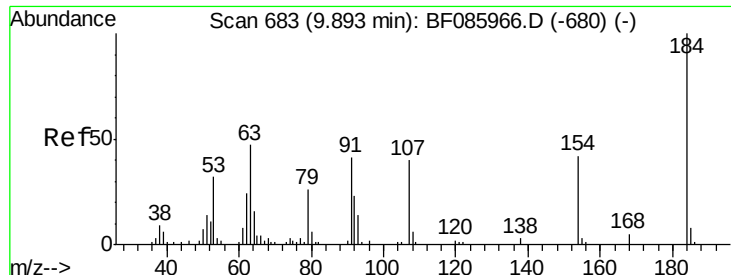


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

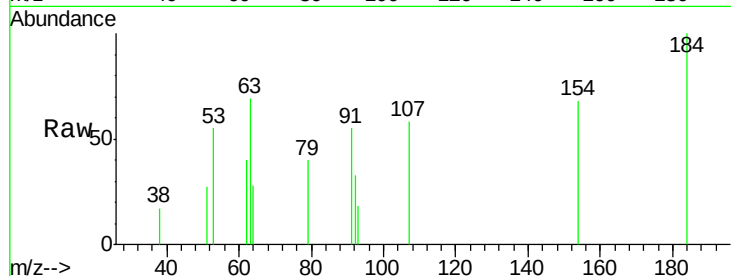




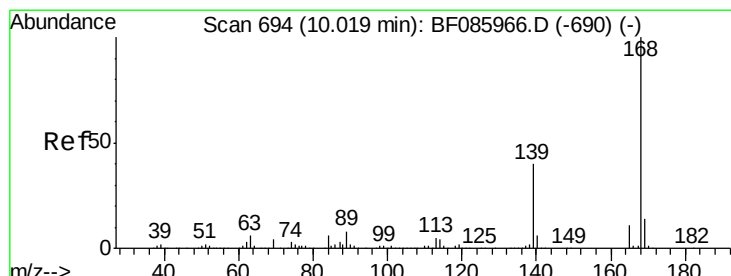
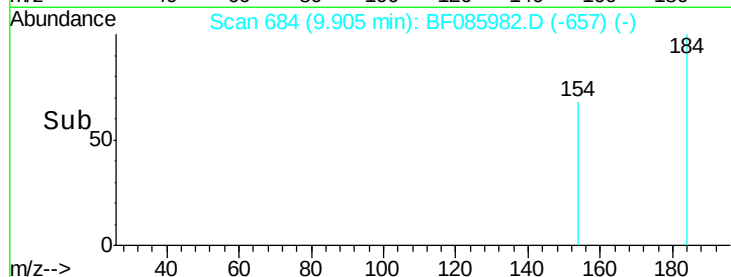
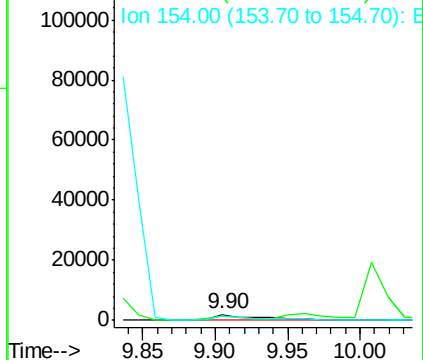
#53
2,4-Dinitrophenol
Concen: 5.50 ng
RT: 9.90 min Scan# 684
Delta R.T. 0.01 min
Lab File: BF085982.D
Acq: 2 Apr 2016 1:08

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tot Ion:184 Resp: 4058
Ion Ratio Lower Upper
184 100
63 68.9 69.5 104.3#
154 68.3 58.3 87.5

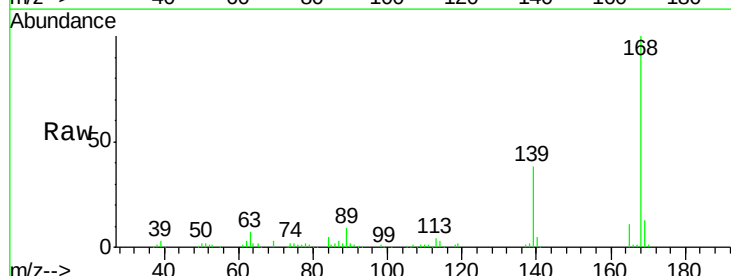


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

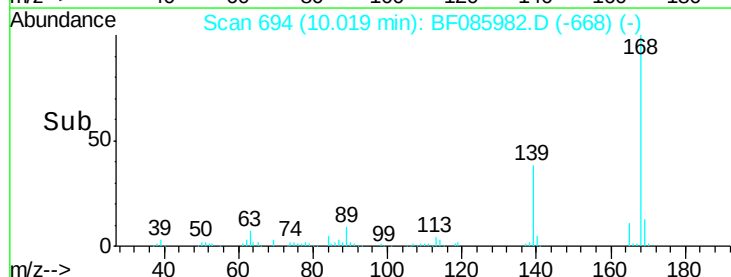
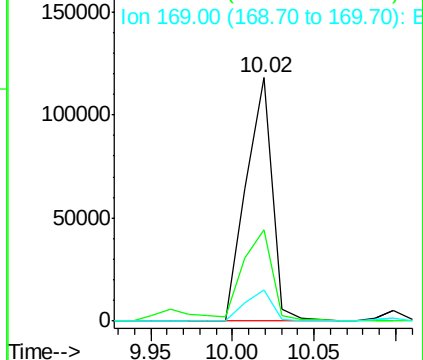


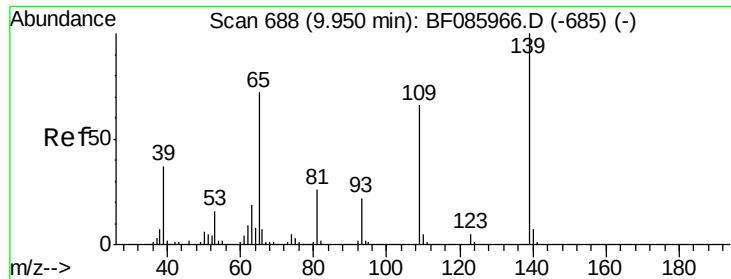
#54
Dibenzofuran
Concen: 8.24 ng
RT: 10.02 min Scan# 694
Delta R.T. 0.00 min
Lab File: BF085982.D
Acq: 2 Apr 2016 1:08

Tgt Ion:168 Resp: 130543
Ion Ratio Lower Upper
168 100
139 37.5 31.9 47.9
169 12.7 11.0 16.6



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

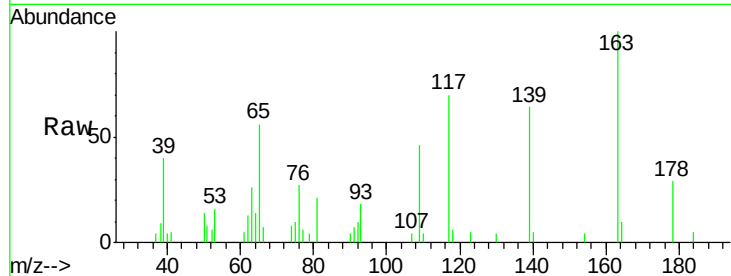




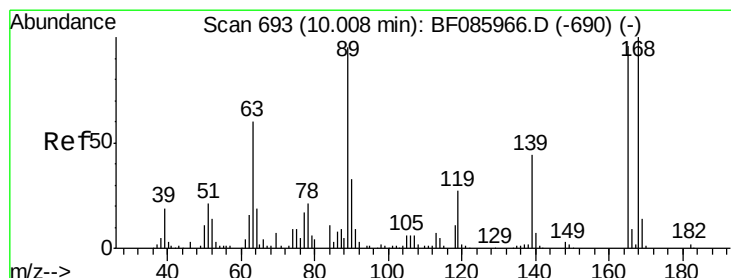
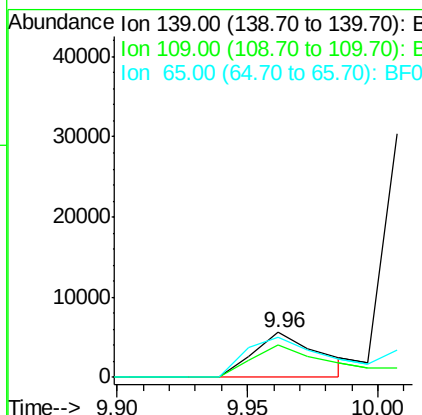
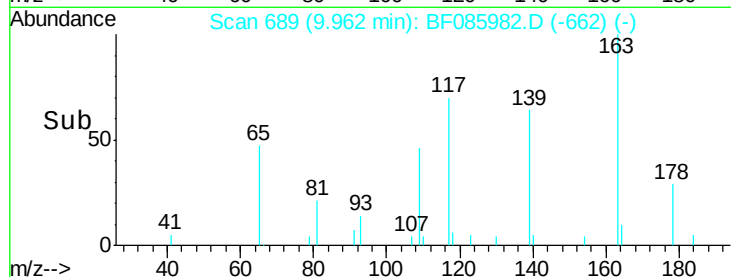
#55
4-Nitrophenol
Concen: 4.33 ng
RT: 9.96 min Scan# 689
Delta R.T. 0.01 min
Lab File: BF085982.D
Acq: 2 Apr 2016 1:08

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tot Ion:139 Resp: 9731
Ion Ratio Lower Upper
139 100
109 72.6 49.2 89.2
65 88.6 66.9 106.9

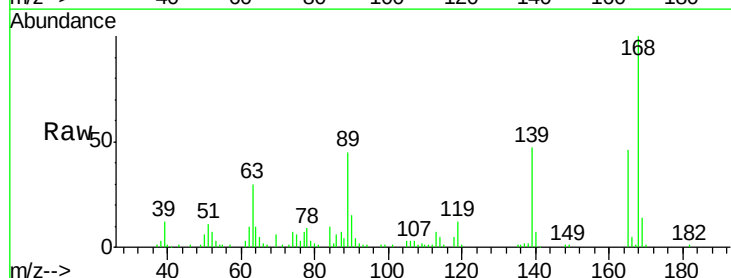


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

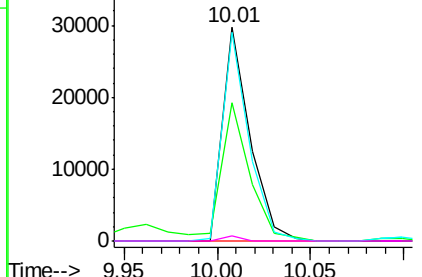
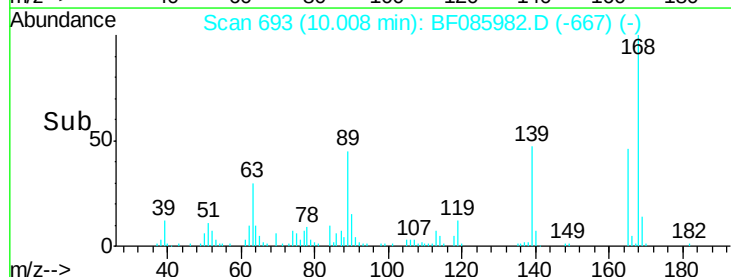


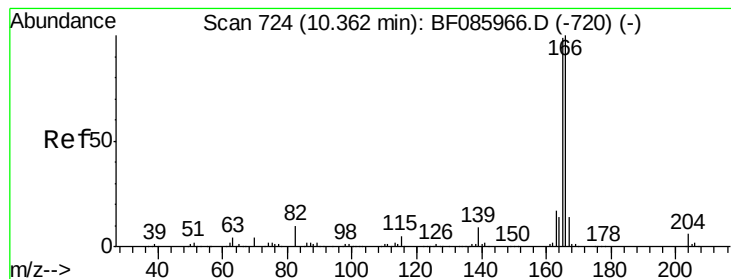
#56
2,4-Dinitrotoluene
Concen: 7.63 ng
RT: 10.01 min Scan# 693
Delta R.T. 0.00 min
Lab File: BF085982.D
Acq: 2 Apr 2016 1:08

Tgt Ion:165 Resp: 30448
Ion Ratio Lower Upper
165 100
63 64.8 24.9 37.3#
89 97.5 41.0 61.6#
182 2.5 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: 7.60 ng

RT: 10.35 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF085982.D

Acq: 2 Apr 2016 1:08

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

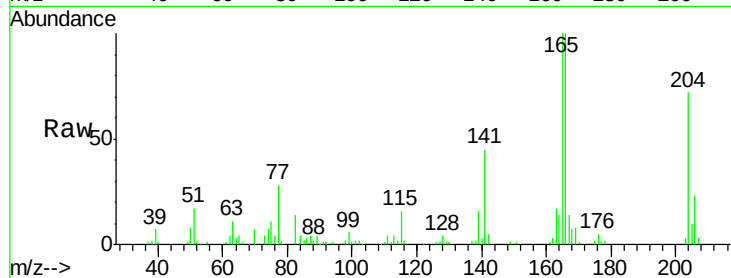
Tot Ion:166 Resp: 102825

Ion Ratio Lower Upper

166 100

165 99.7 79.4 119.0

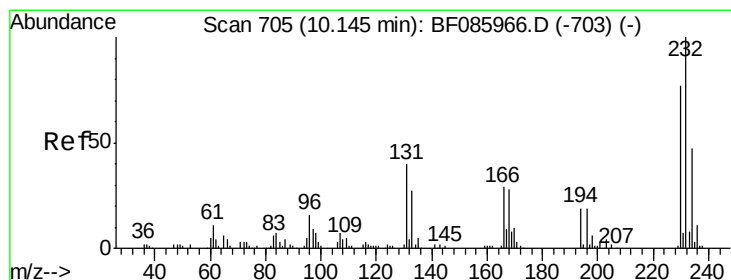
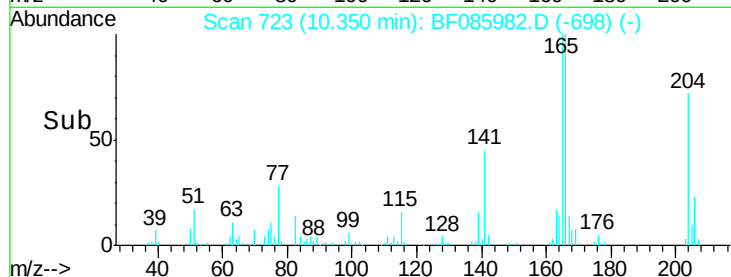
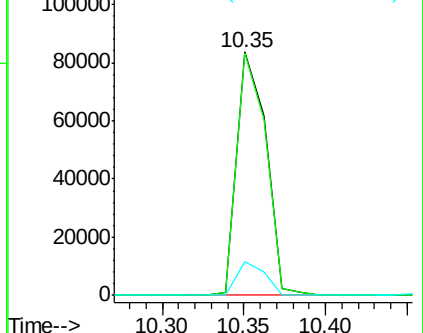
167 14.0 11.0 16.4



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: 7.19 ng

RT: 10.14 min Scan# 705

Delta R.T. 0.00 min

Lab File: BF085982.D

Acq: 2 Apr 2016 1:08

Tgt Ion:232 Resp: 21147

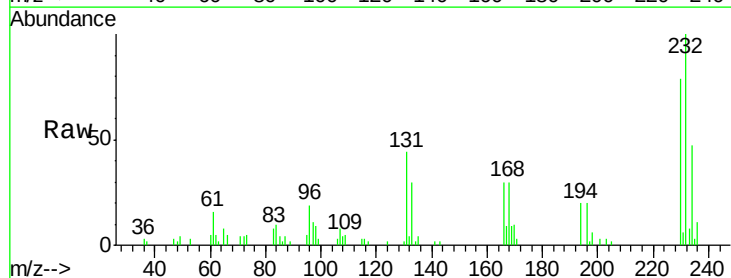
Ion Ratio Lower Upper

232 100

131 57.0 44.9 67.3

130 2.6 2.3 3.5

166 32.0 28.1 42.1

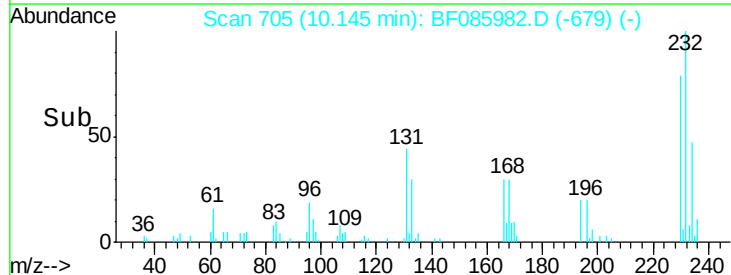
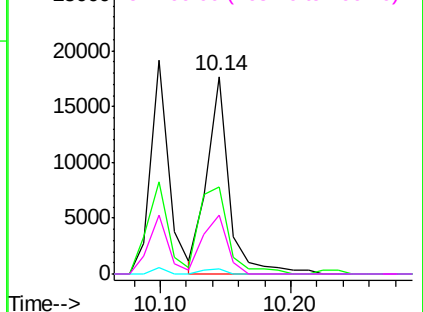


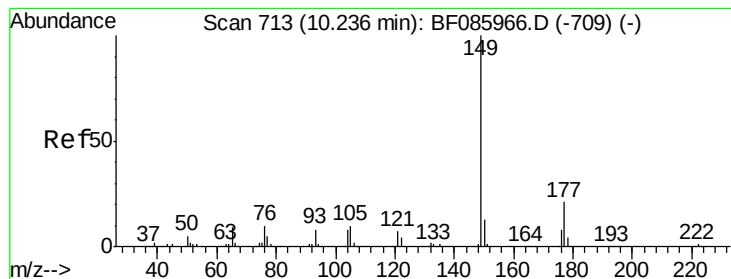
Abundance Ion 232.00 (231.70 to 232.70): E

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: 6.99 ng

RT: 10.24 min Scan# 713

Delta R.T. 0.00 min

Lab File: BF085982.D

Acq: 2 Apr 2016 1:08

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

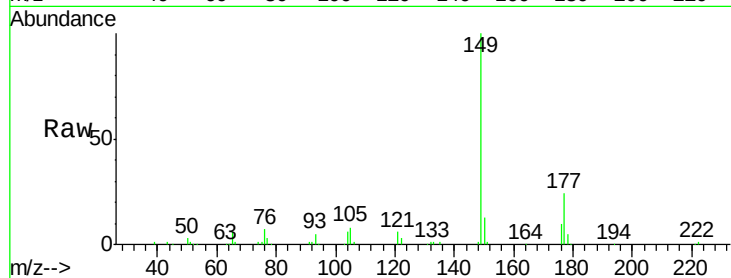
Tot Ion:149 Resp: 105328

Ion Ratio Lower Upper

149 100

177 23.9 17.9 26.9

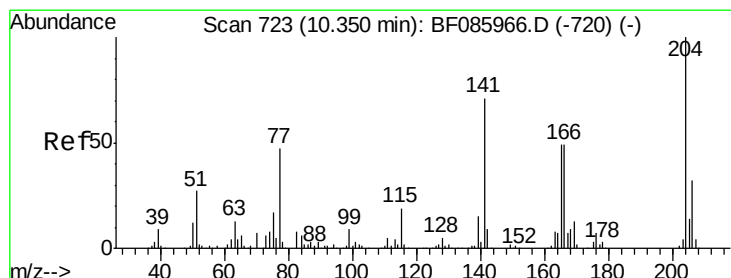
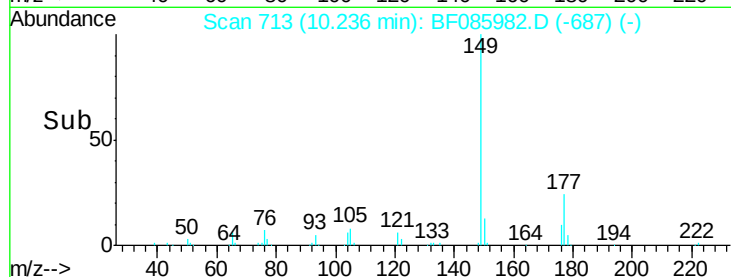
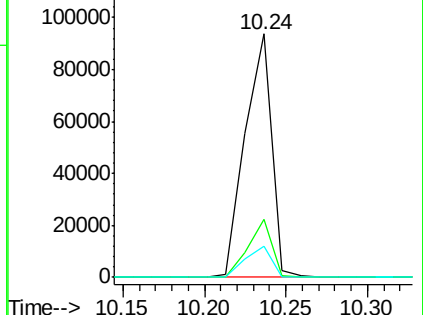
150 12.8 10.2 15.2



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: 7.87 ng

RT: 10.35 min Scan# 723

Delta R.T. 0.00 min

Lab File: BF085982.D

Acq: 2 Apr 2016 1:08

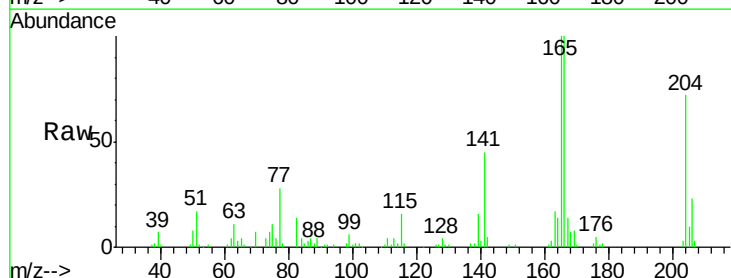
Tgt Ion:204 Resp: 49600

Ion Ratio Lower Upper

204 100

206 31.9 26.6 39.8

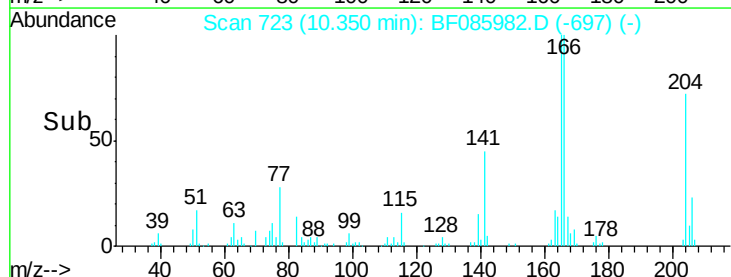
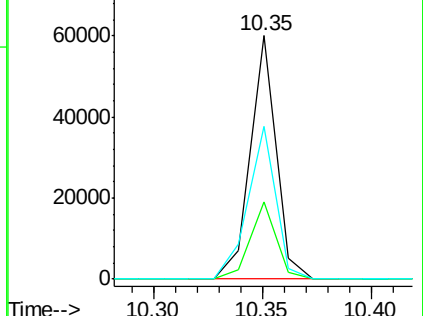
141 62.7 57.4 86.0

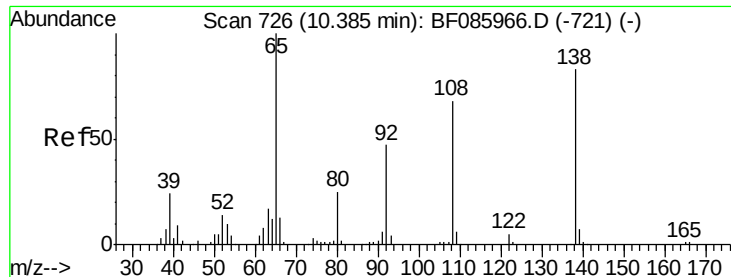


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

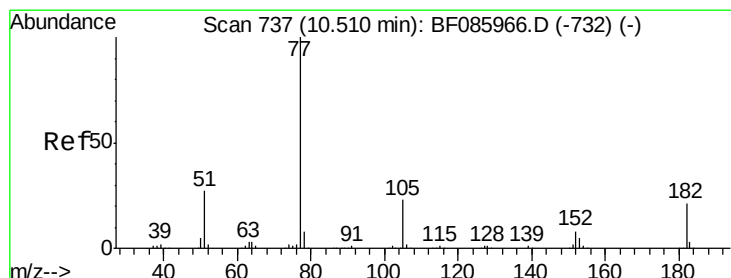
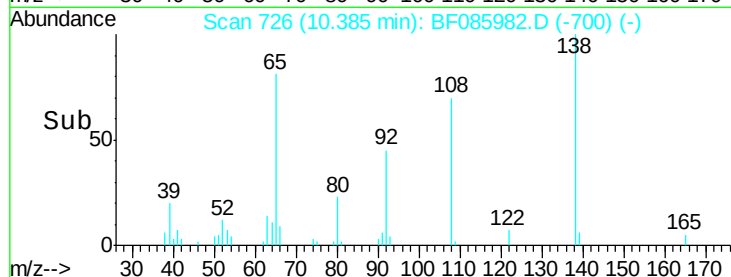
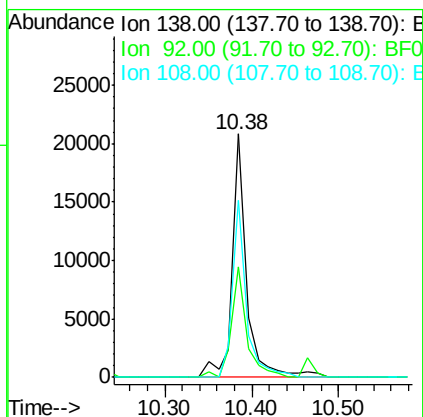
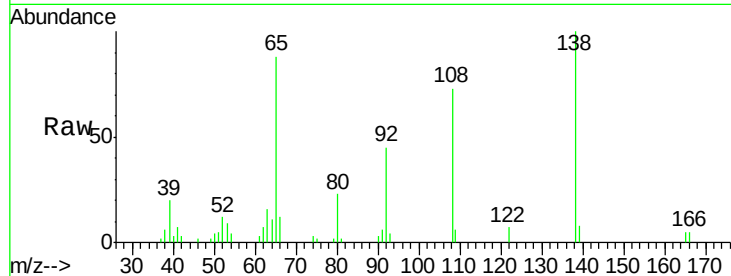




#61
4-Nitroaniline
Concen: 6.36 ng
RT: 10.38 min Scan# 726
Delta R.T. 0.00 min
Lab File: BF085982.D
Acq: 2 Apr 2016 1:08

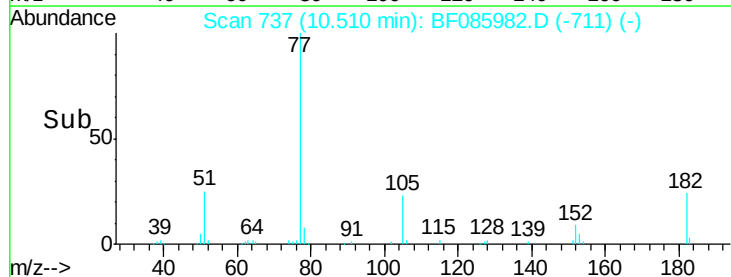
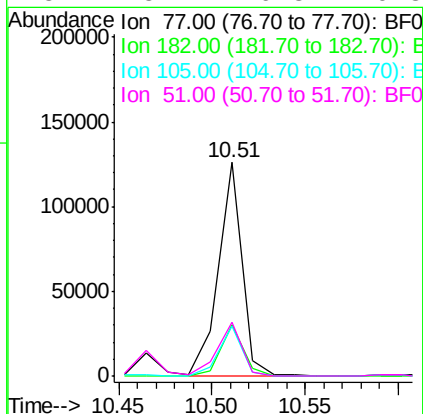
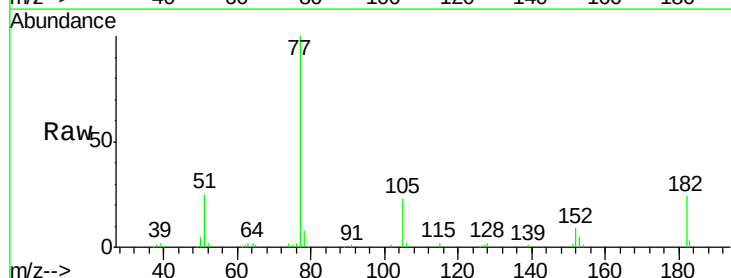
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

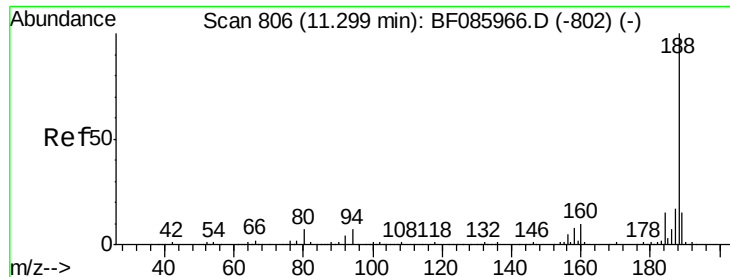
Tot Ion:138 Resp: 23870
Ion Ratio Lower Upper
138 100
92 45.5 26.4 66.4
108 72.7 49.0 89.0



#62
Azobenzene
Concen: 7.78 ng
RT: 10.51 min Scan# 737
Delta R.T. 0.00 min
Lab File: BF085982.D
Acq: 2 Apr 2016 1:08

Tgt Ion: 77 Resp: 112282
Ion Ratio Lower Upper
77 100
182 23.7 1.9 41.9
105 23.2 3.5 43.5
51 25.1 6.3 46.3

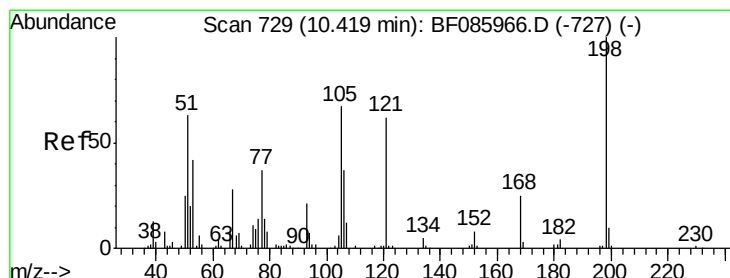
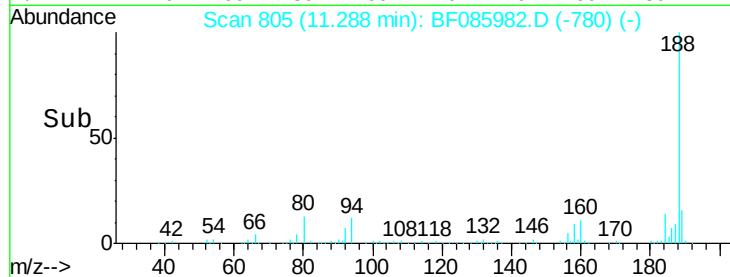
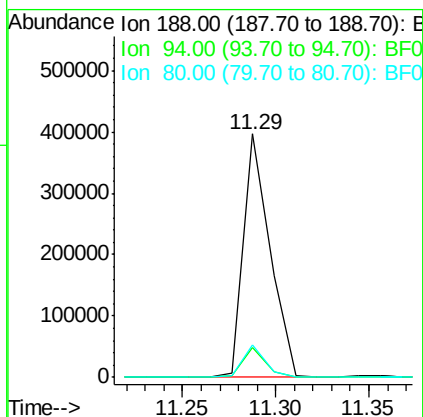
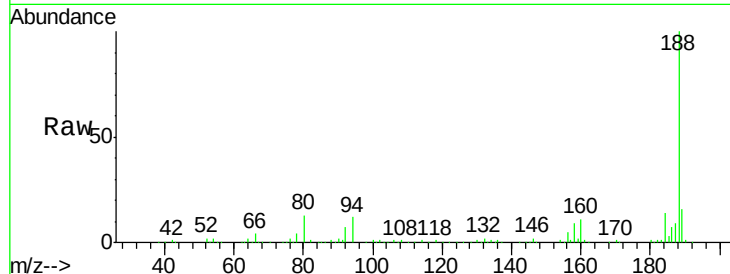




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.29 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: BF085982.D
 Acq: 2 Apr 2016 1:08

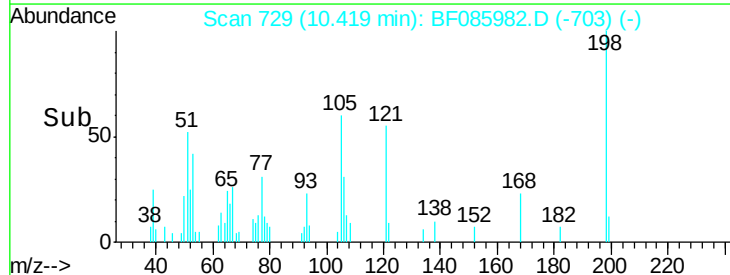
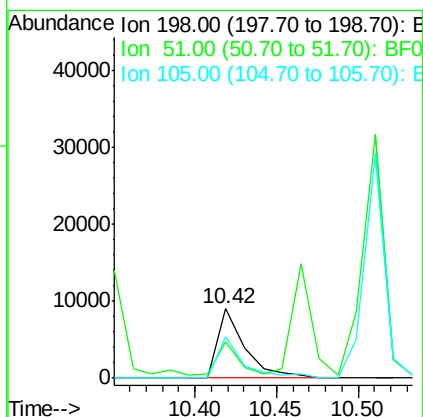
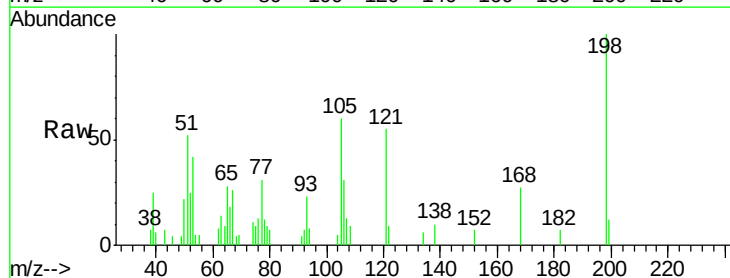
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

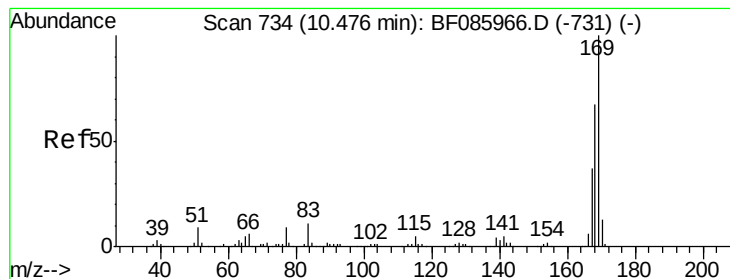
Tot Ion:188 Resp: 392975
 Ion Ratio Lower Upper
 188 100
 94 12.3 5.4 8.0#
 80 13.1 5.5 8.3#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 4.39 ng
 RT: 10.42 min Scan# 729
 Delta R.T. 0.00 min
 Lab File: BF085982.D
 Acq: 2 Apr 2016 1:08

Tgt Ion:198 Resp: 10457
 Ion Ratio Lower Upper
 198 100
 51 52.2 45.4 85.4
 105 60.5 45.9 85.9





#65

n-Nitrosodiphenylamine

Concen: 7.28 ng

RT: 10.46 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF085982.D

Acq: 2 Apr 2016 1:08

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

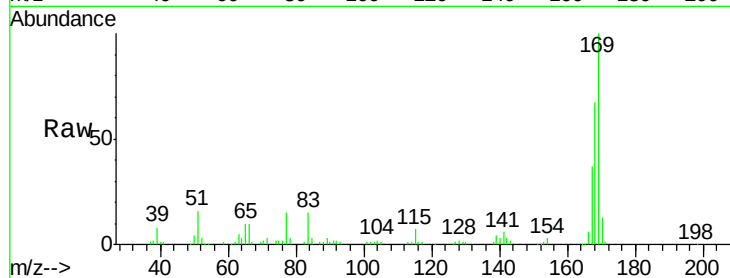
Tot Ion:169 Resp: 89514

Ion Ratio Lower Upper

169 100

168 67.2 54.4 81.6

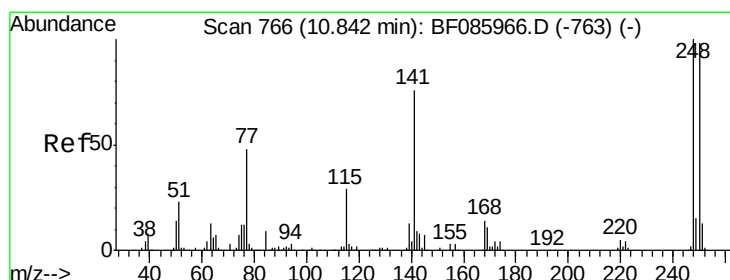
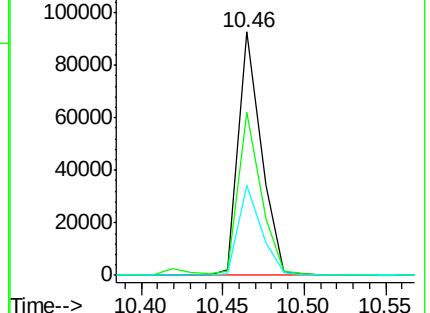
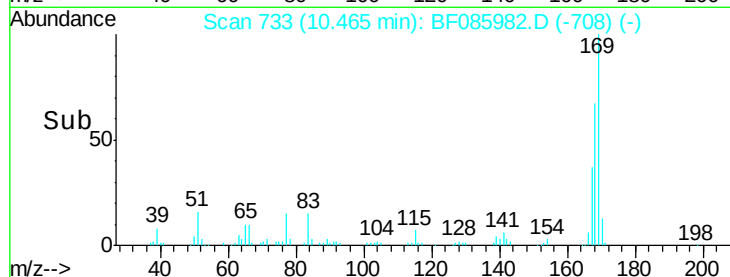
167 37.0 29.4 44.0



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 6.56 ng

RT: 10.84 min Scan# 766

Delta R.T. 0.00 min

Lab File: BF085982.D

Acq: 2 Apr 2016 1:08

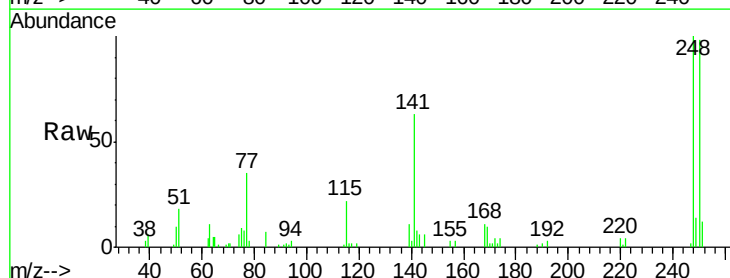
Tgt Ion:248 Resp: 26323

Ion Ratio Lower Upper

248 100

250 97.6 77.4 116.0

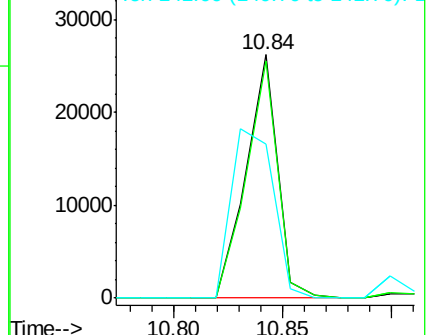
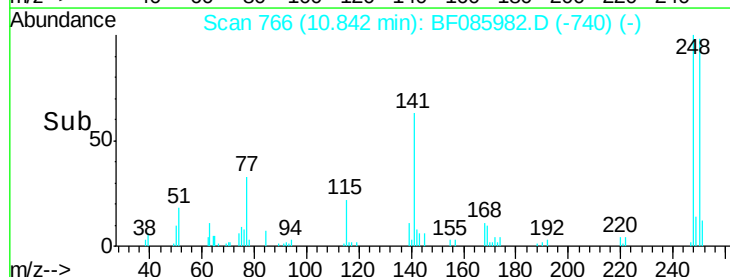
141 63.4 63.6 95.4#

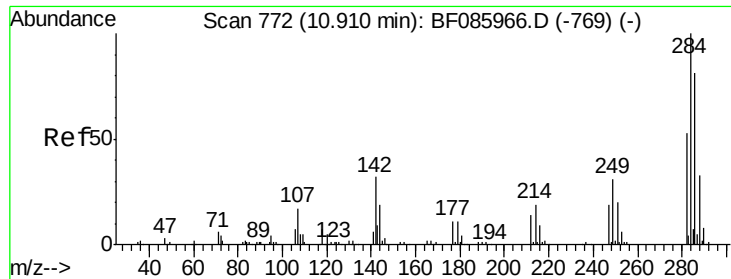


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 6.30 ng

RT: 10.91 min Scan# 772

Delta R.T. 0.00 min

Lab File: BF085982.D

Acq: 2 Apr 2016 1:08

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

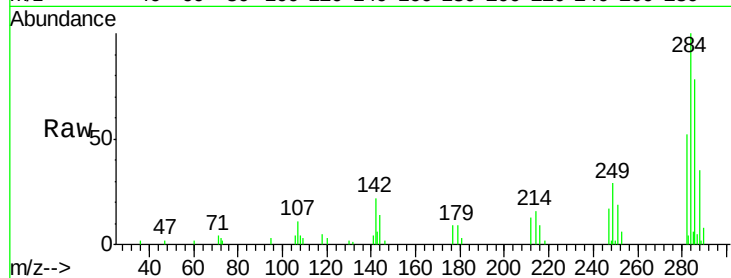
Tot Ion:284 Resp: 26154

Ion Ratio Lower Upper

284 100

142 21.8 23.1 34.7#

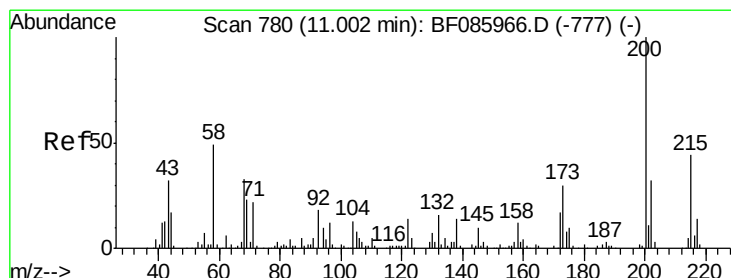
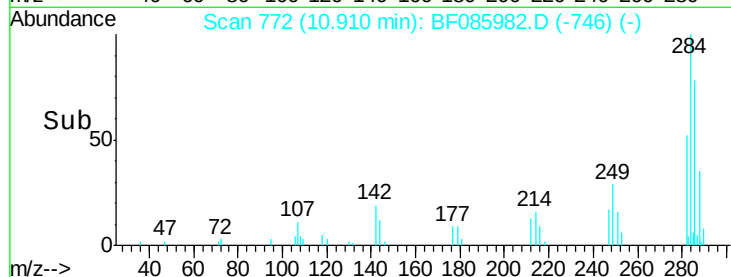
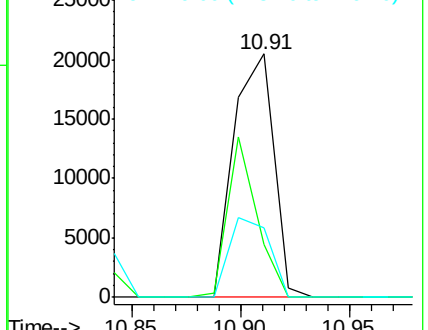
249 28.6 24.2 36.2



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: 6.96 ng

RT: 10.99 min Scan# 779

Delta R.T. -0.01 min

Lab File: BF085982.D

Acq: 2 Apr 2016 1:08

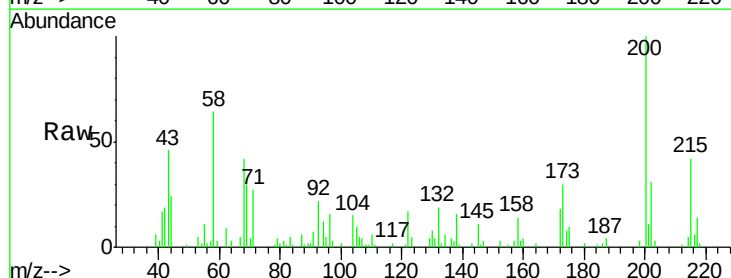
Tgt Ion:200 Resp: 27621

Ion Ratio Lower Upper

200 100

173 30.3 7.7 47.7

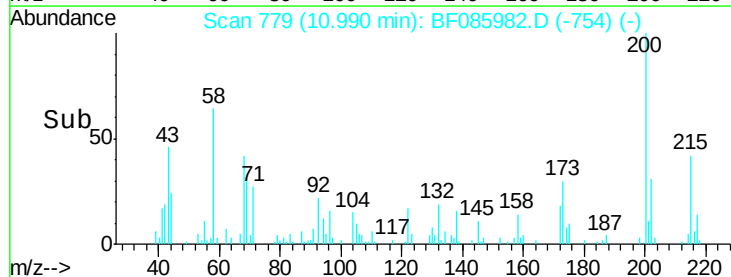
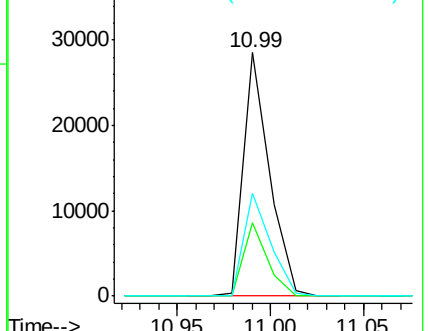
215 42.0 25.4 65.4

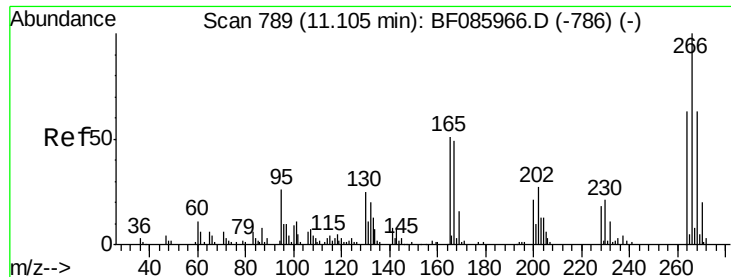


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

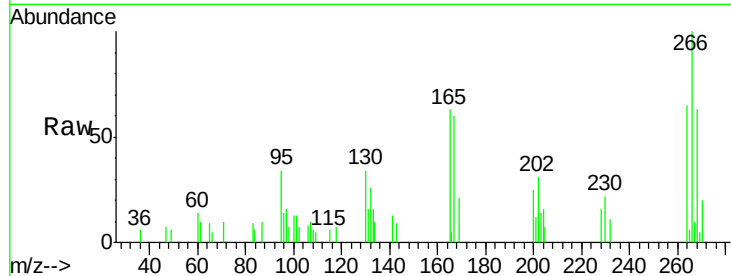




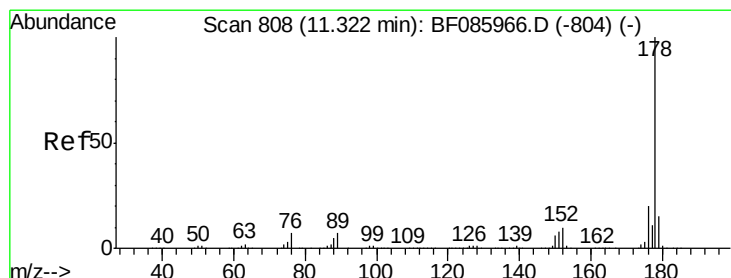
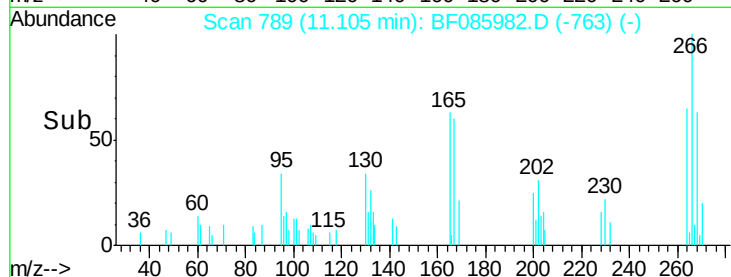
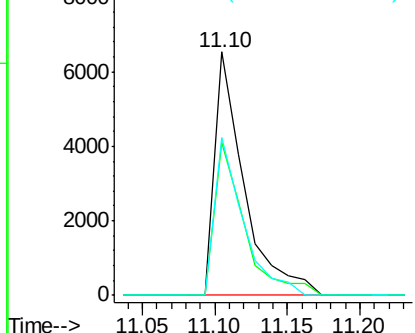
#69
 Pentachlorophenol
 Concen: 4.74 ng
 RT: 11.10 min Scan# 789
 Delta R.T. 0.00 min
 Lab File: BF085982.D
 Acq: 2 Apr 2016 1:08

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tot Ion:266 Resp: 9215
 Ion Ratio Lower Upper
 266 100
 268 62.9 51.5 77.3
 264 64.8 50.6 76.0

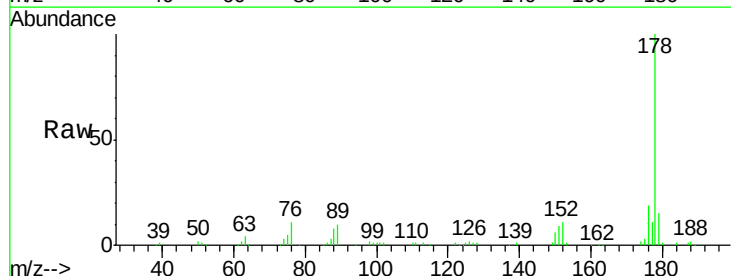


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

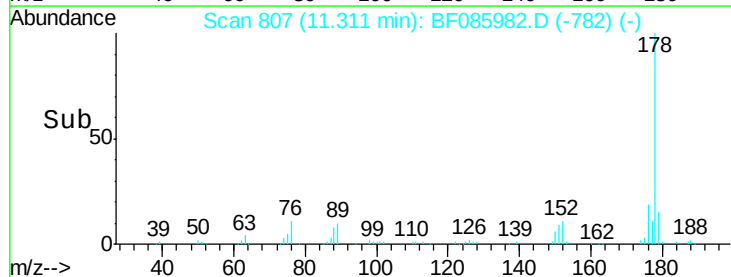
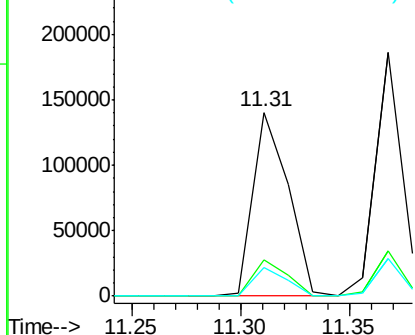


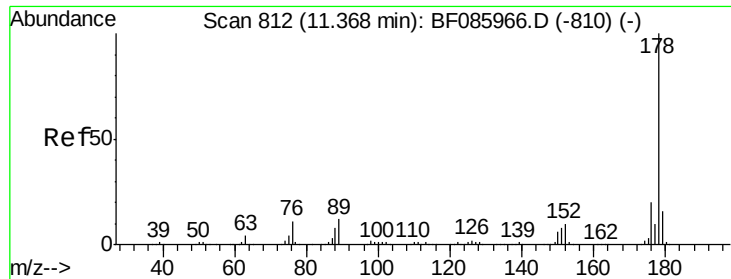
#70
 Phenanthrene
 Concen: 7.43 ng
 RT: 11.31 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF085982.D
 Acq: 2 Apr 2016 1:08

Tgt Ion:178 Resp: 159339
 Ion Ratio Lower Upper
 178 100
 176 19.4 16.3 24.5
 179 15.3 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

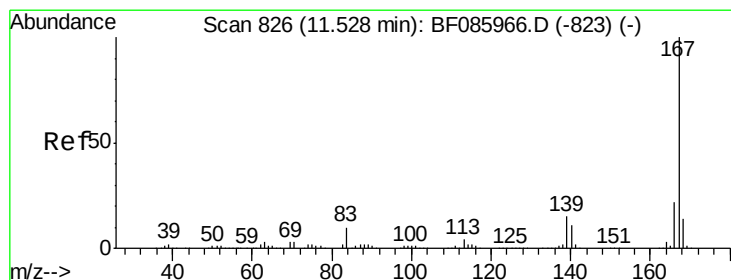
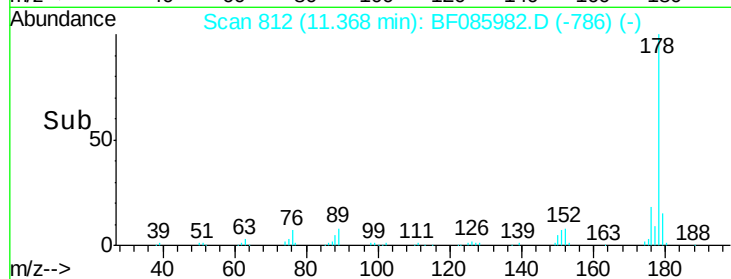
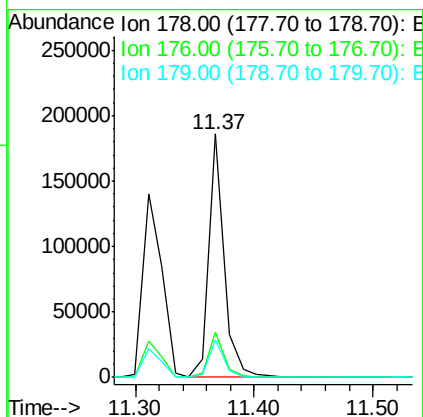
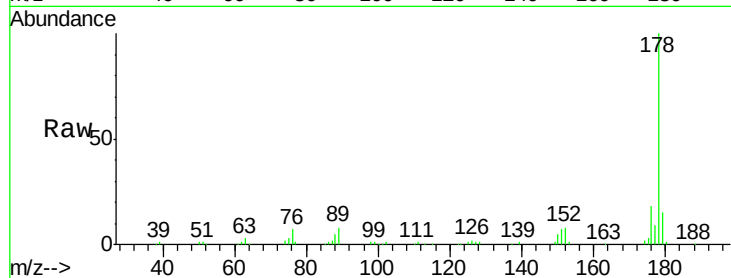




#71
 Anthracene
 Concen: 7.44 ng
 RT: 11.37 min Scan# 812
 Delta R.T. 0.00 min
 Lab File: BF085982.D
 Acq: 2 Apr 2016 1:08

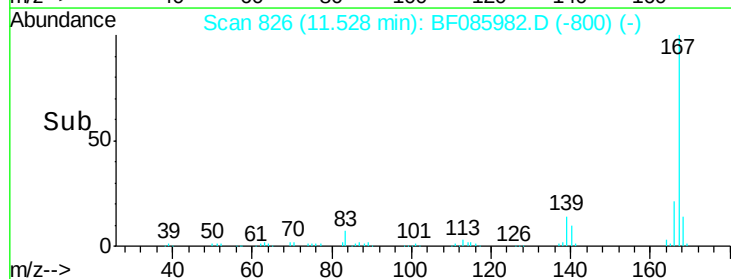
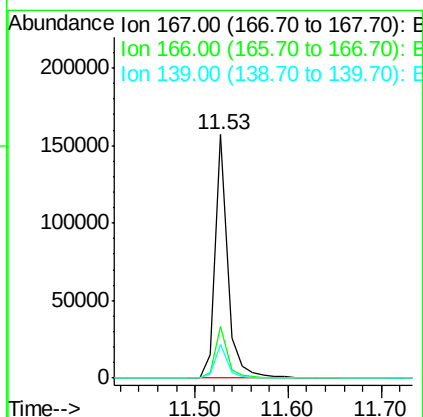
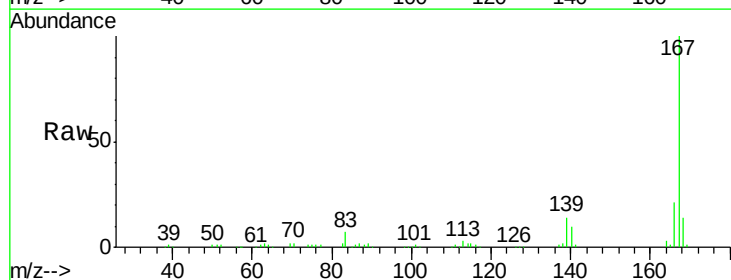
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

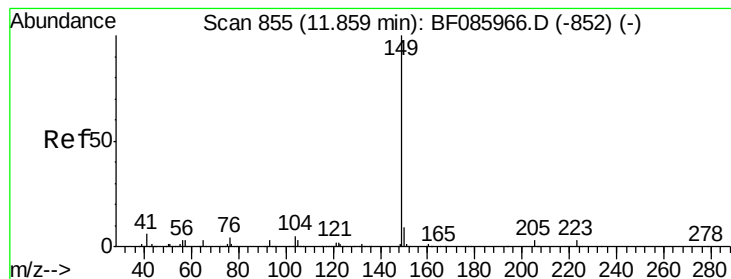
Tot Ion:178 Resp: 167067
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.9 23.9
 179 15.3 13.0 19.4



#72
 Carbazole
 Concen: 7.59 ng
 RT: 11.53 min Scan# 826
 Delta R.T. 0.00 min
 Lab File: BF085982.D
 Acq: 2 Apr 2016 1:08

Tgt Ion:167 Resp: 146608
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.8 26.8
 139 13.6 11.6 17.4





#73

Di-n-butylphthalate

Concen: 6.91 ng

RT: 11.86 min Scan# 855

Delta R.T. 0.00 min

Lab File: BF085982.D

Acq: 2 Apr 2016 1:08

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

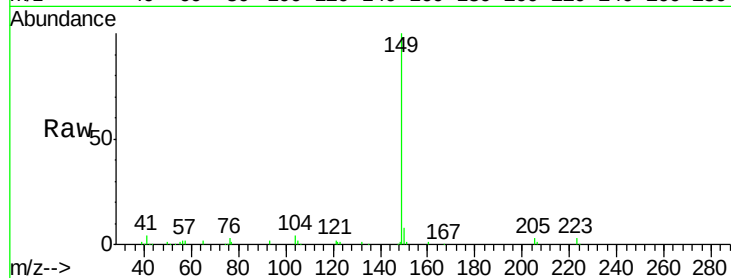
Tot Ion:149 Resp: 165254

Ion Ratio Lower Upper

149 100

150 8.4 7.6 11.4

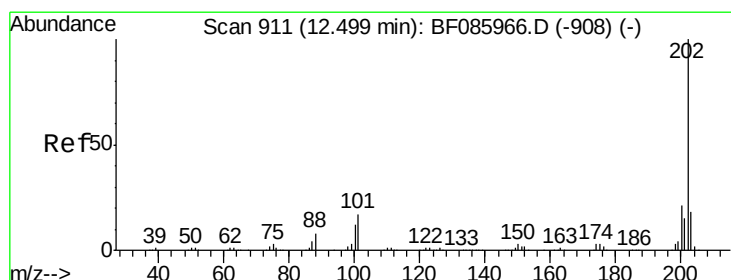
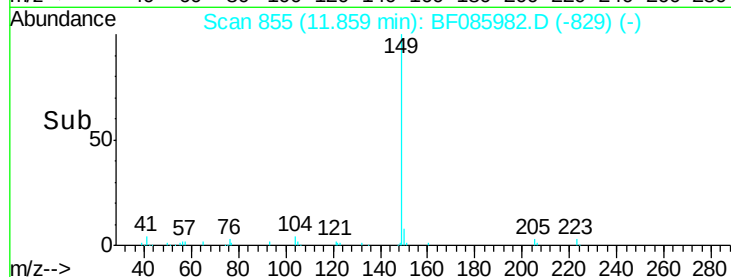
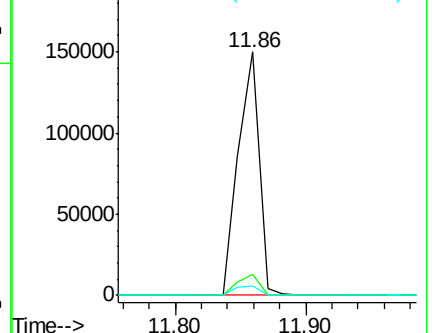
104 4.1 3.8 5.8



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: 7.37 ng

RT: 12.50 min Scan# 911

Delta R.T. 0.00 min

Lab File: BF085982.D

Acq: 2 Apr 2016 1:08

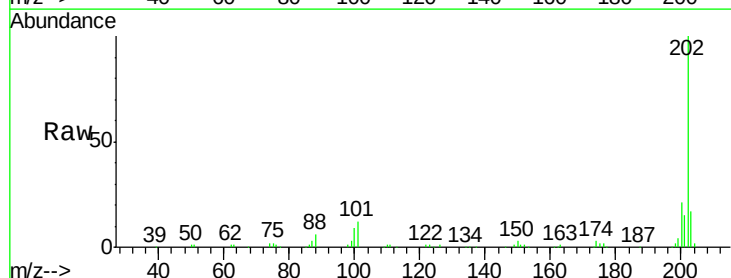
Tgt Ion:202 Resp: 164330

Ion Ratio Lower Upper

202 100

101 12.1 0.0 36.6

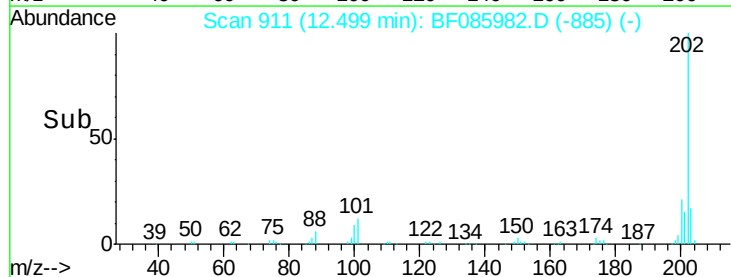
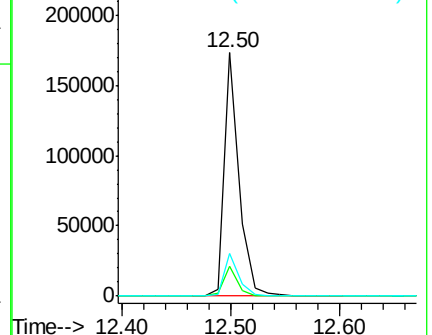
203 17.3 0.0 38.1

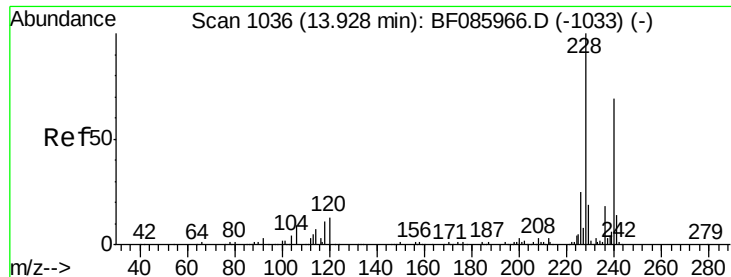


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BF085982.D

Acq: 2 Apr 2016 1:08

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

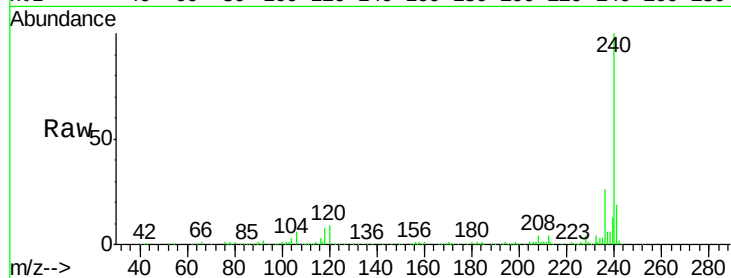
Tot Ion:240 Resp: 357149

Ion Ratio Lower Upper

240 100

120 9.4 13.8 20.8#

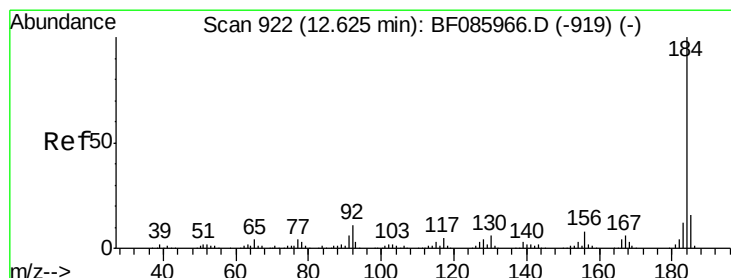
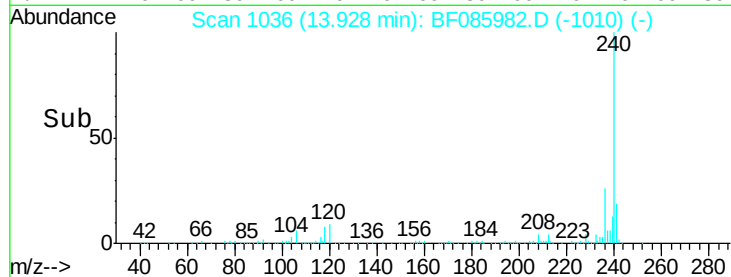
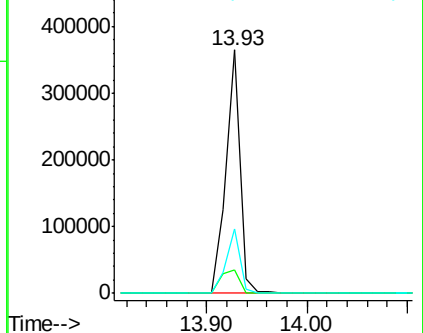
236 26.4 20.6 30.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 3.66 ng

RT: 12.64 min Scan# 923

Delta R.T. 0.01 min

Lab File: BF085982.D

Acq: 2 Apr 2016 1:08

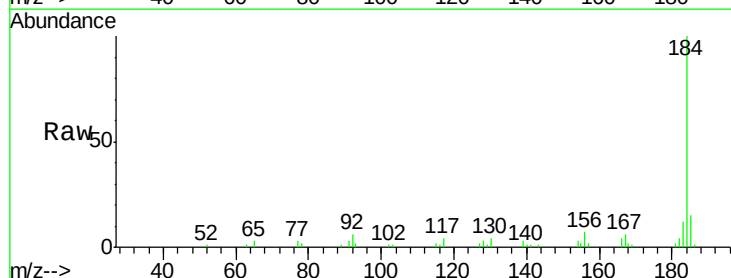
Tgt Ion:184 Resp: 46162

Ion Ratio Lower Upper

184 100

185 15.3 12.4 18.6

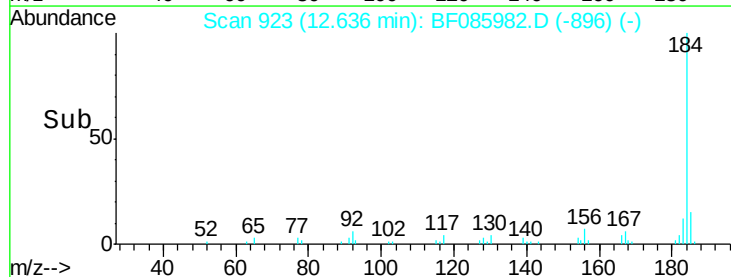
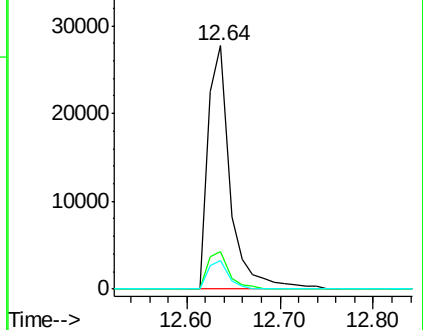
183 11.7 9.4 14.2

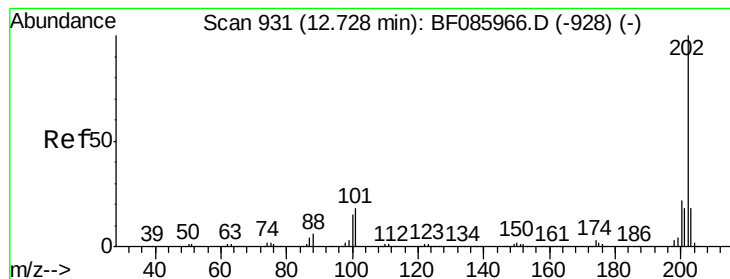


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 6.71 ng

RT: 12.73 min Scan# 931

Delta R.T. 0.00 min

Lab File: BF085982.D

Acq: 2 Apr 2016 1:08

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

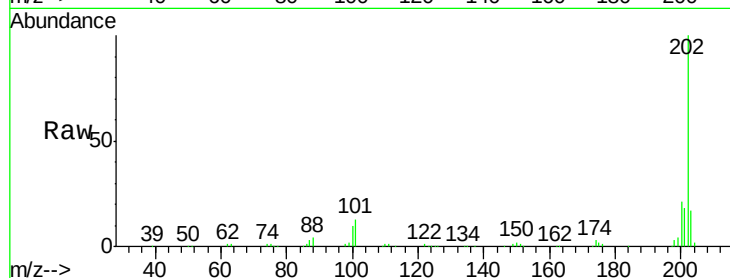
Tot Ion:202 Resp: 168818

Ion Ratio Lower Upper

202 100

200 21.5 17.6 26.4

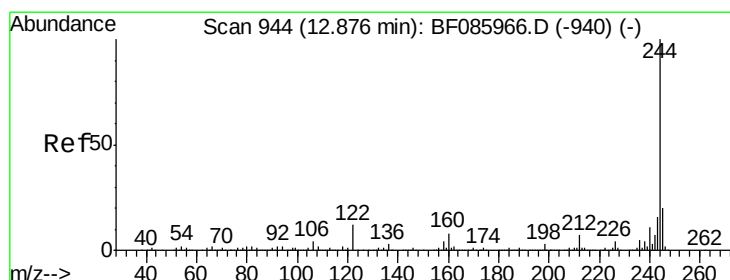
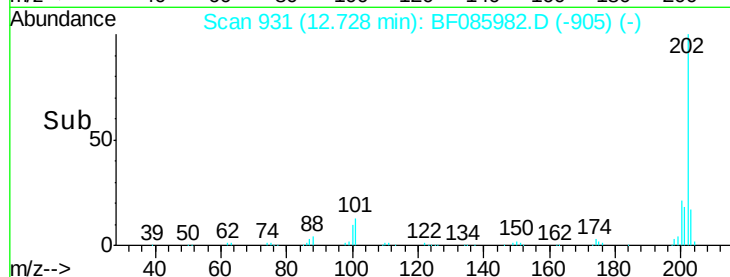
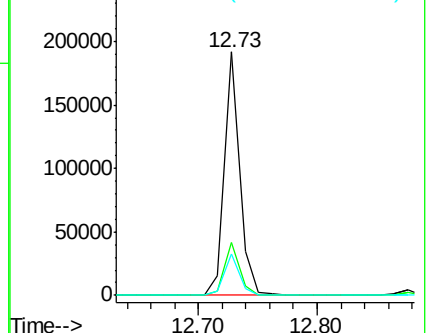
203 17.1 14.0 21.0



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: 71.08 ng

RT: 12.88 min Scan# 944

Delta R.T. 0.00 min

Lab File: BF085982.D

Acq: 2 Apr 2016 1:08

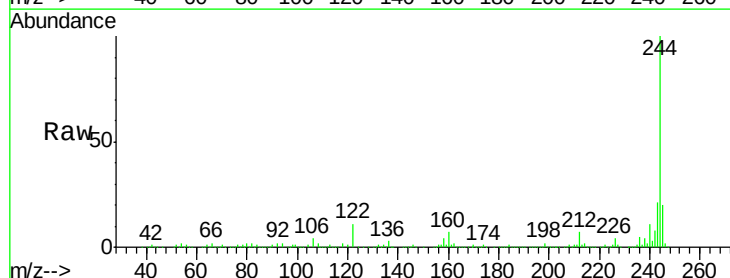
Tgt Ion:244 Resp: 1079950

Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

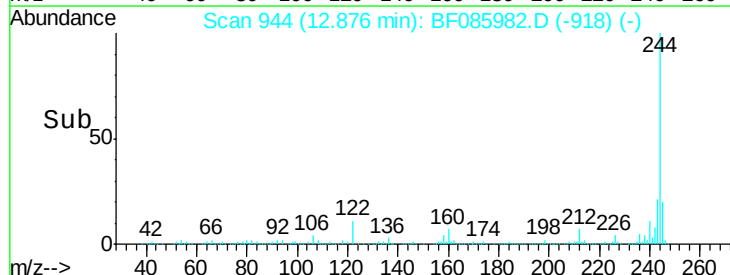
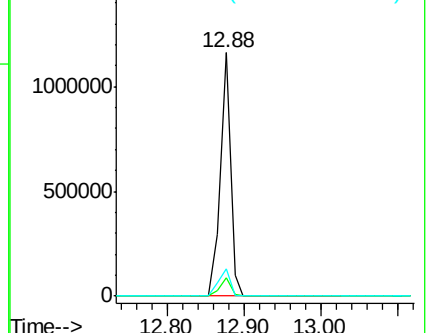
122 11.2 10.2 15.4

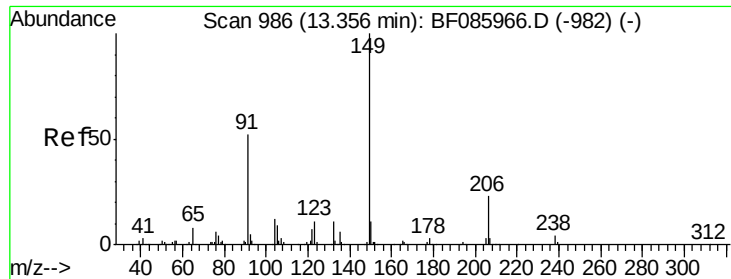


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

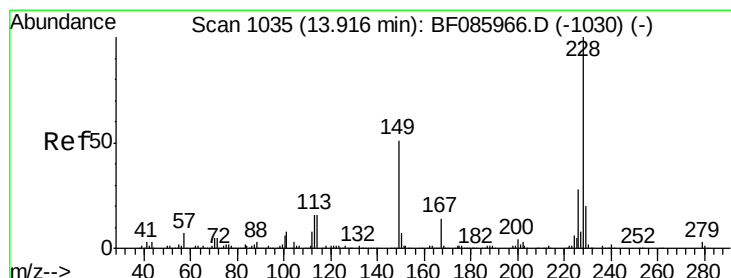
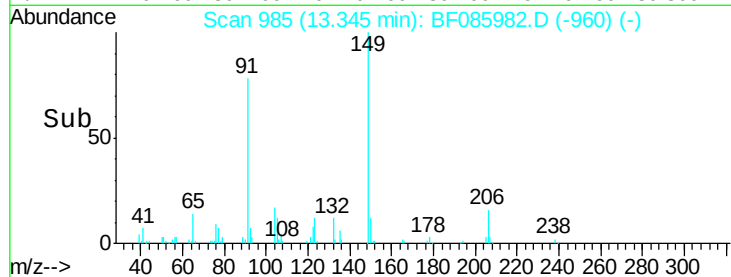
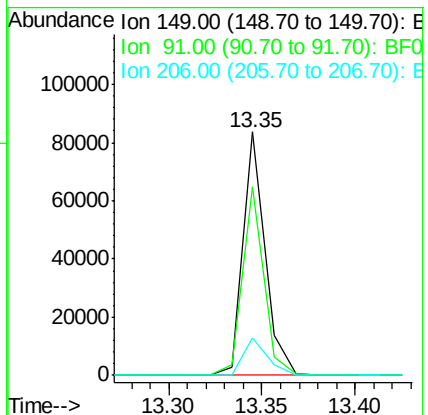
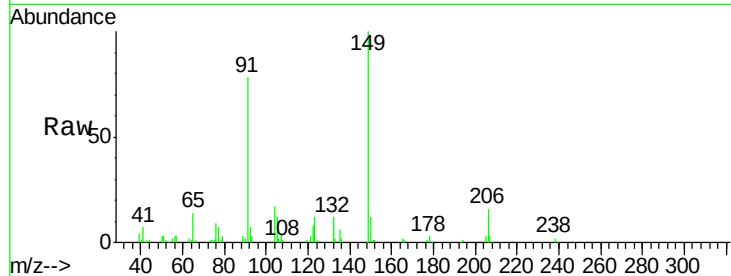




#79
Butylbenzylphthalate
Concen: 6.12 ng
RT: 13.35 min Scan# 985
Delta R.T. -0.01 min
Lab File: BF085982.D
Acq: 2 Apr 2016 1:08

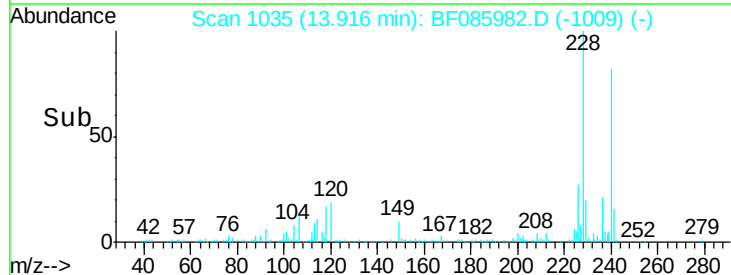
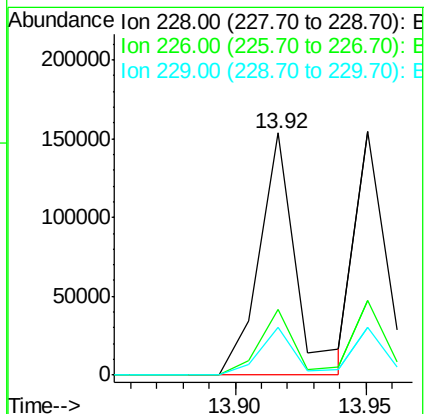
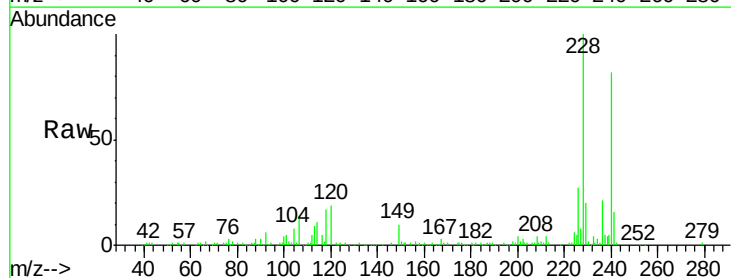
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

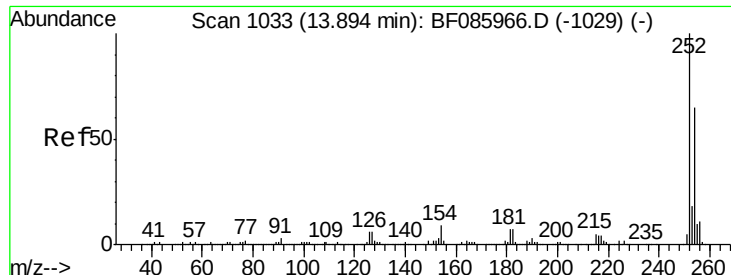
Tot Ion:149 Resp: 69304
Ion Ratio Lower Upper
149 100
91 77.5 45.8 68.8#
206 15.5 17.8 26.8#



#80
Benzo(a)anthracene
Concen: 7.13 ng
RT: 13.92 min Scan# 1035
Delta R.T. 0.00 min
Lab File: BF085982.D
Acq: 2 Apr 2016 1:08

Tgt Ion:228 Resp: 150097
Ion Ratio Lower Upper
228 100
226 27.0 22.1 33.1
229 19.5 16.2 24.4

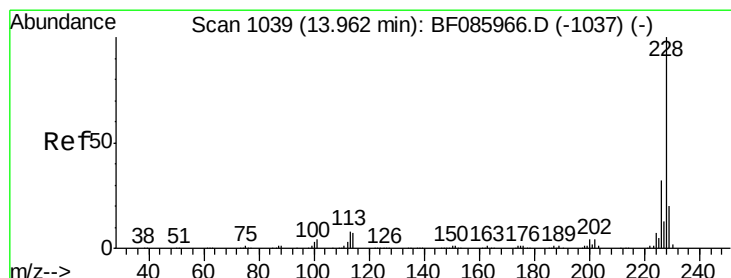
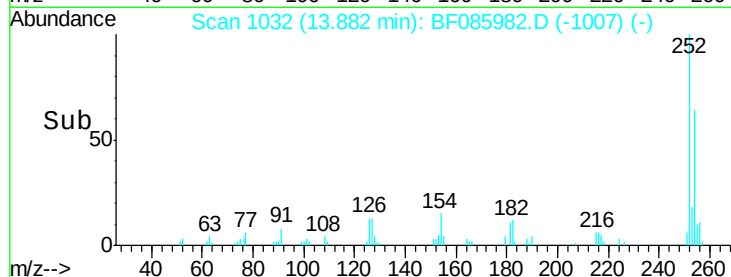
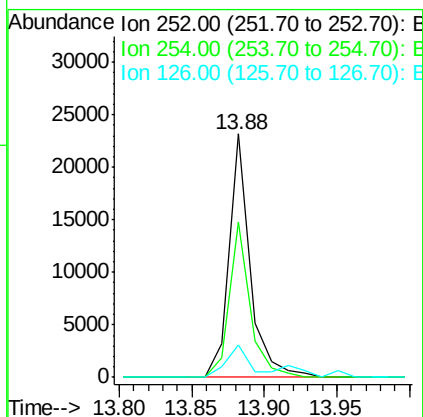
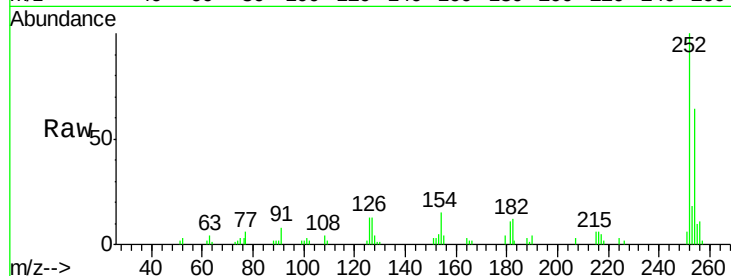




#81
 3,3'-Dichlorobenzidine
 Concen: 1.51 ng
 RT: 13.88 min Scan# 1032
 Delta R.T. -0.01 min
 Lab File: BF085982.D
 Acq: 2 Apr 2016 1:08

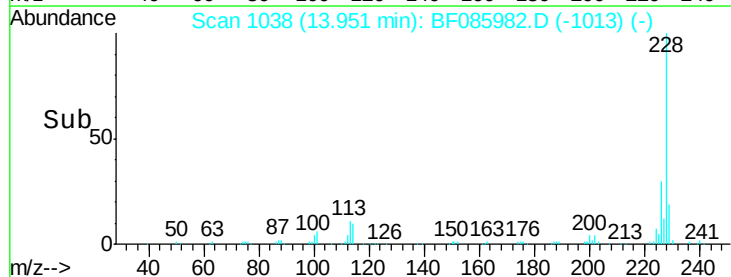
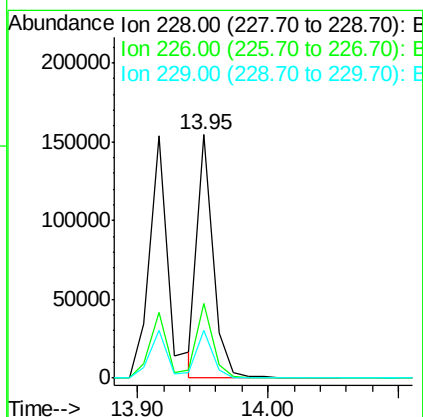
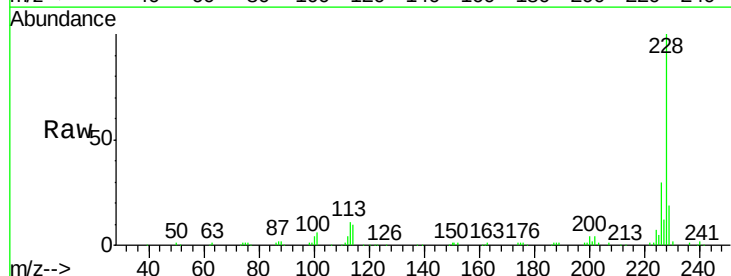
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

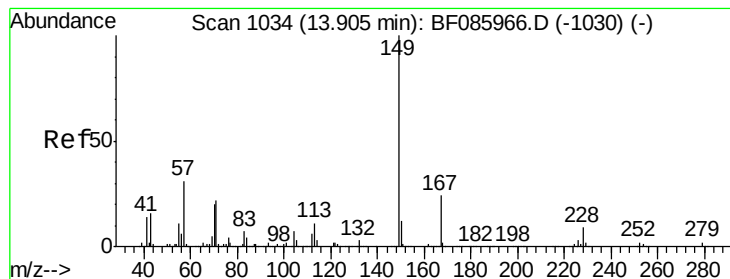
Tot Ion:252 Resp: 23294
 Ion Ratio Lower Upper
 252 100
 254 63.7 50.7 76.1
 126 13.3 11.8 17.6



#82
 Chrysene
 Concen: 6.44 ng
 RT: 13.95 min Scan# 1038
 Delta R.T. -0.01 min
 Lab File: BF085982.D
 Acq: 2 Apr 2016 1:08

Tgt Ion:228 Resp: 130532
 Ion Ratio Lower Upper
 228 100
 226 30.5 25.0 37.6
 229 19.4 15.7 23.5





#83

Bis(2-ethylhexyl)phthalate

Concen: 6.65 ng

RT: 13.91 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BF085982.D

Acq: 2 Apr 2016 1:08

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

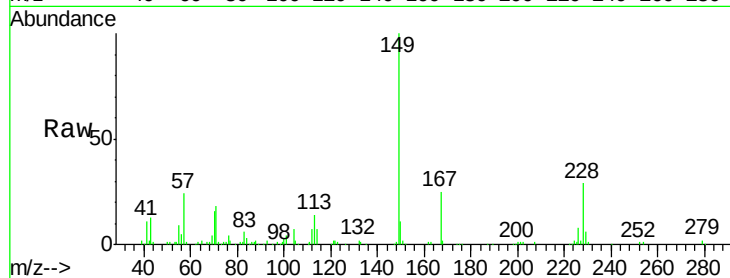
Tot Ion:149 Resp: 100093

Ion Ratio Lower Upper

149 100

167 24.5 19.4 29.2

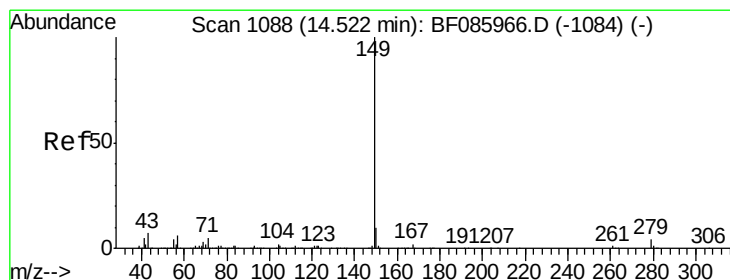
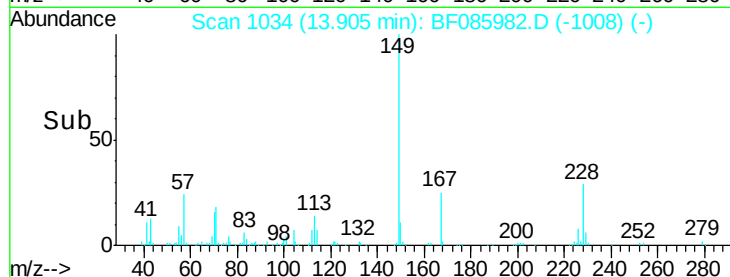
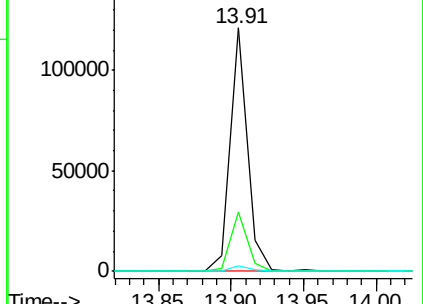
279 2.3 1.5 2.3#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 6.14 ng

RT: 14.51 min Scan# 1087

Delta R.T. -0.01 min

Lab File: BF085982.D

Acq: 2 Apr 2016 1:08

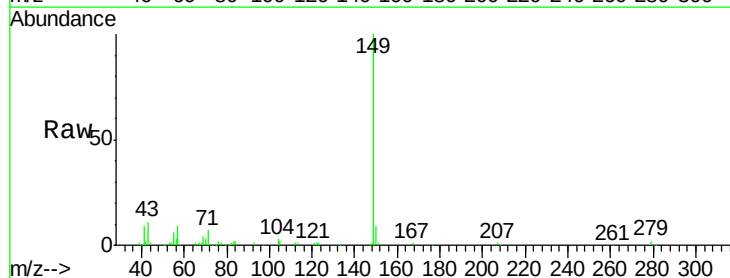
Tgt Ion:149 Resp: 147428

Ion Ratio Lower Upper

149 100

167 1.4 1.2 1.8

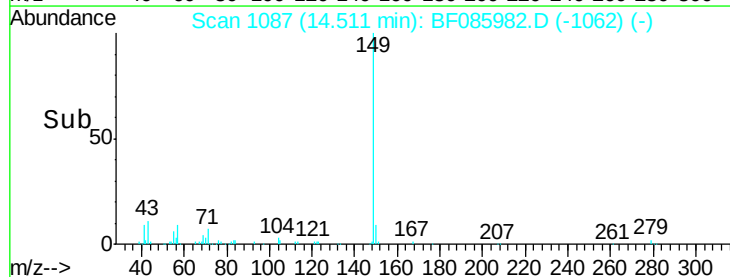
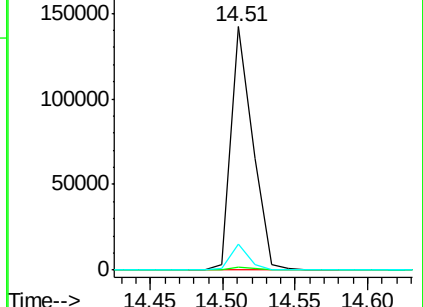
43 9.3 7.1 10.7

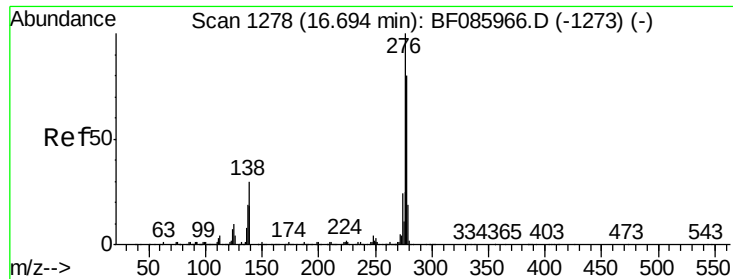


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

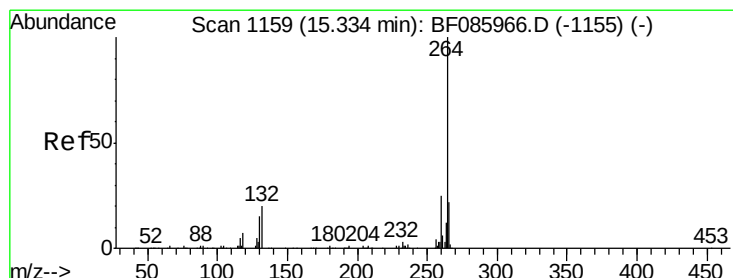
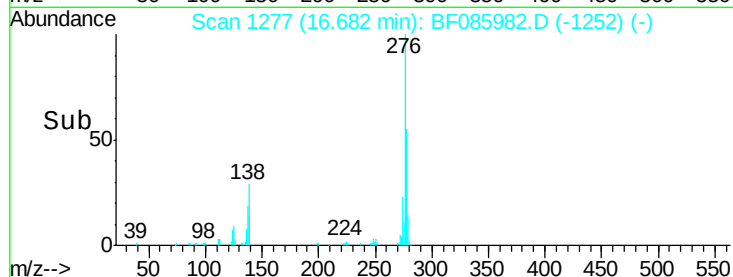
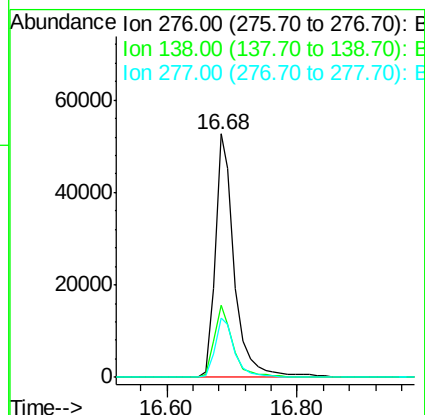
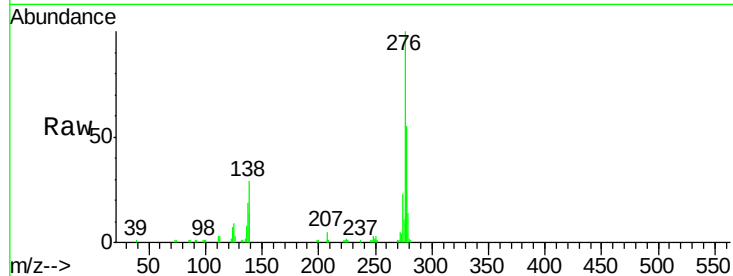




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.61 ng
 RT: 16.68 min Scan# 1277
 Delta R.T. -0.01 min
 Lab File: BF085982.D
 Acq: 2 Apr 2016 1:08

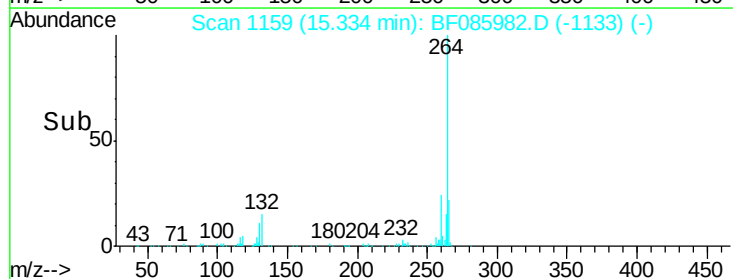
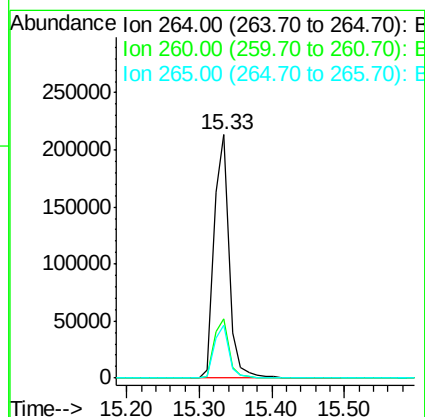
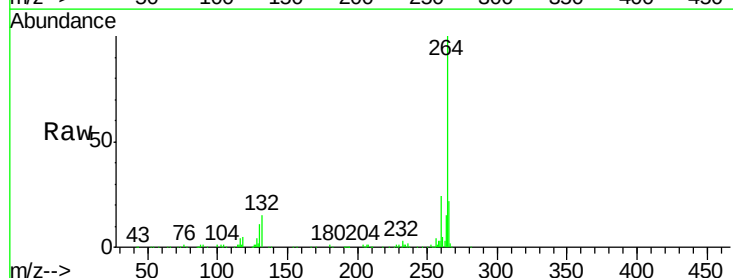
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

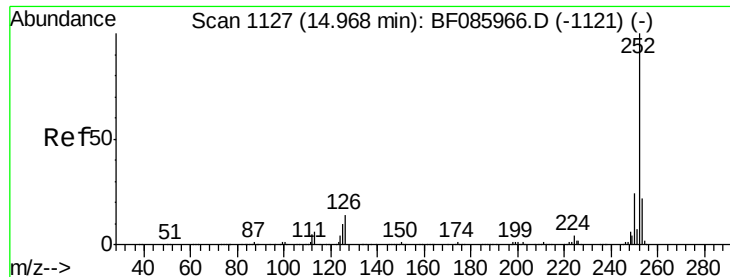
Tot Ion	Ratio	Lower	Upper
276	100		
138	28.8	24.2	36.4
277	24.7	20.0	30.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.33 min Scan# 1159
 Delta R.T. 0.00 min
 Lab File: BF085982.D
 Acq: 2 Apr 2016 1:08

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.4	29.2
265	21.8	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 13.03 ng

RT: 14.93 min Scan# 1124

Delta R.T. -0.01 min

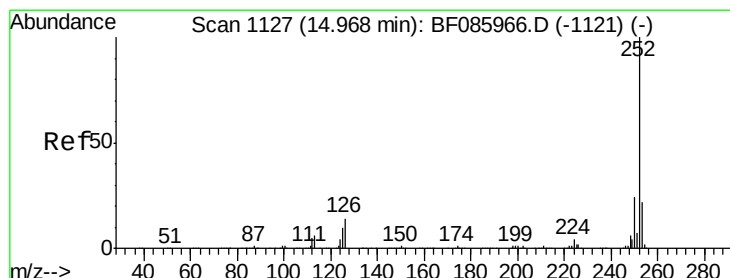
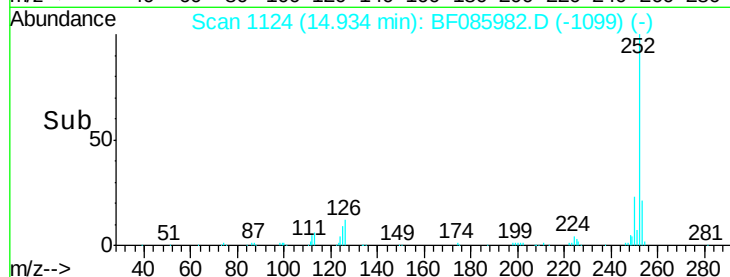
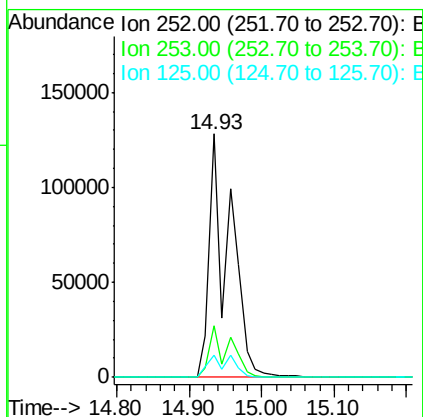
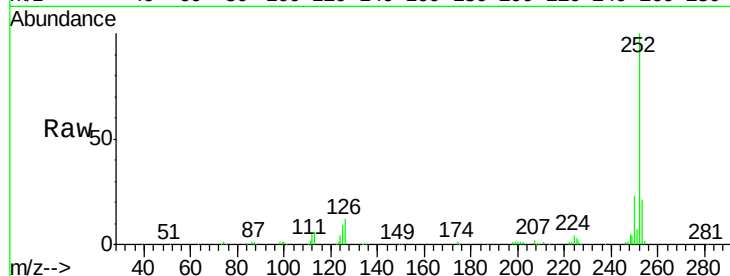
Lab File: BF085982.D

Acq: 2 Apr 2016 1:08

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tot Ion:252 Resp: 250887

Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.6	26.4
125	8.9	10.3	15.5#



#88

Benzo(k)fluoranthene

Concen: 14.72 ng

RT: 14.93 min Scan# 1124

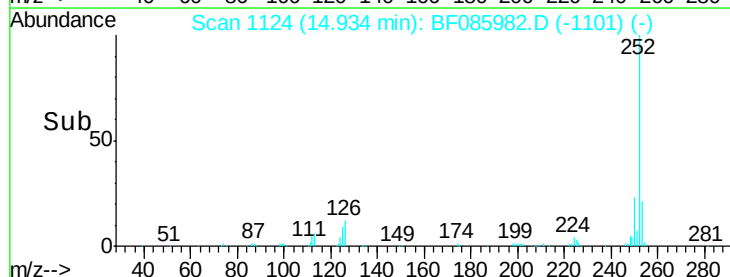
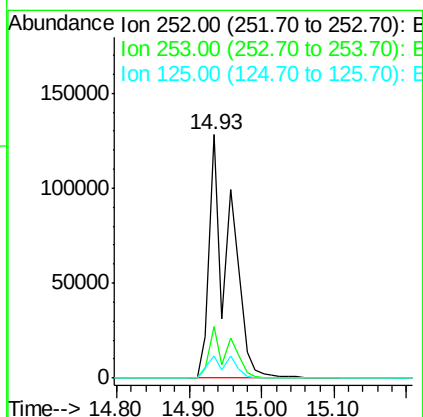
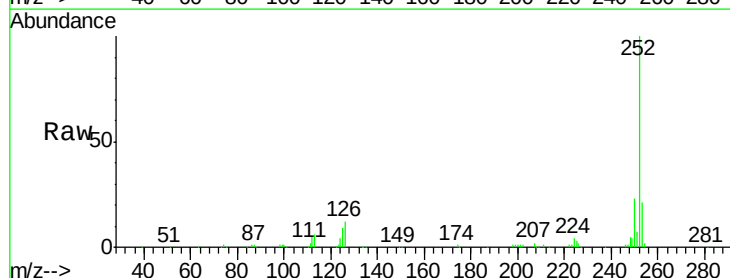
Delta R.T. -0.03 min

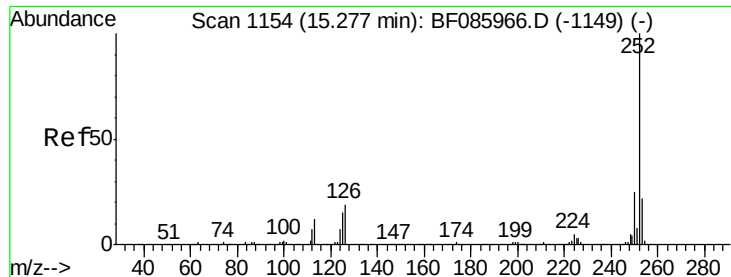
Lab File: BF085982.D

Acq: 2 Apr 2016 1:08

Tgt Ion:252 Resp: 250887

Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.8	26.6
125	8.9	7.7	11.5

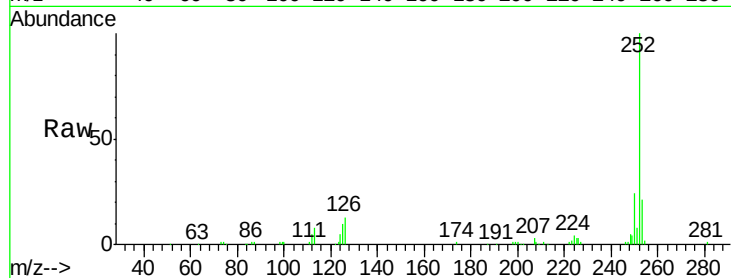




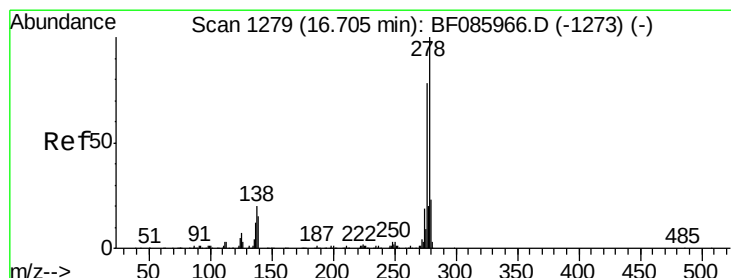
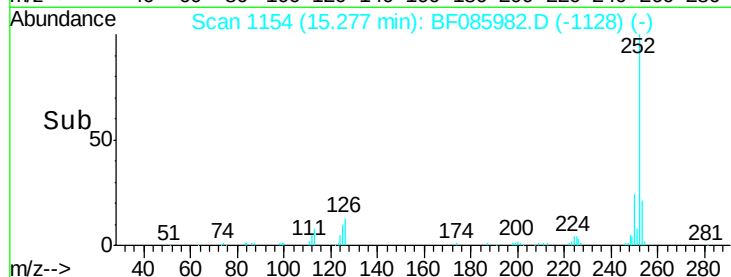
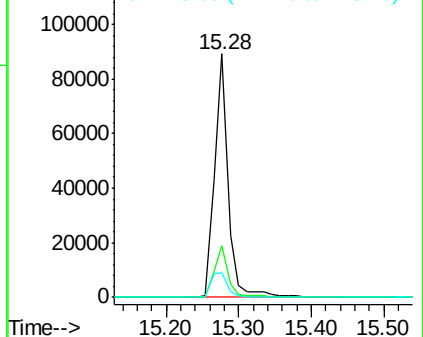
#89
Benzo(a)pyrene
Concen: 6.81 ng
RT: 15.28 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BF085982.D
Acq: 2 Apr 2016 1:08

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tot Ion:252 Resp: 116198
Ion Ratio Lower Upper
252 100
253 21.2 17.4 26.0
125 10.2 10.3 15.5#

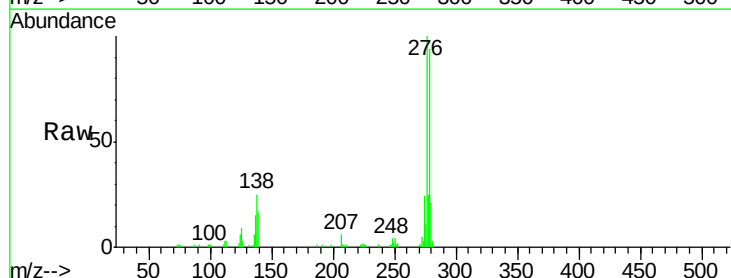


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

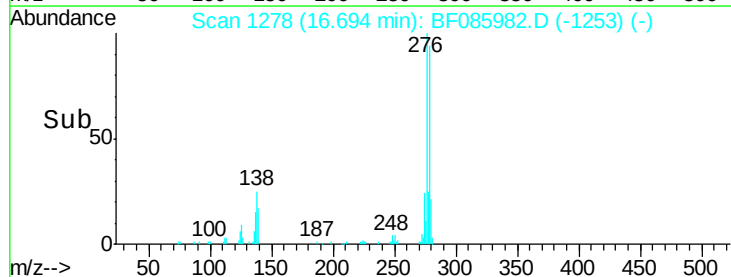
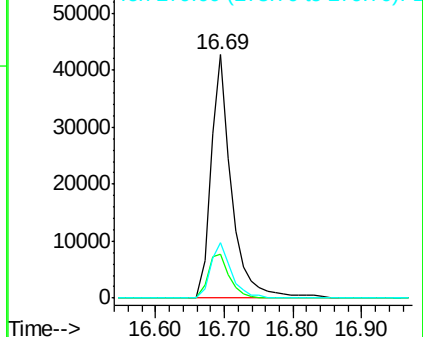


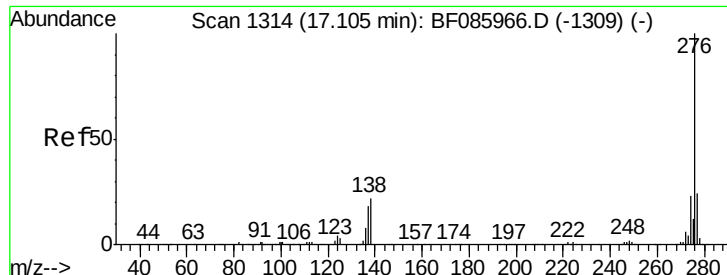
#90
Dibenzo(a,h)anthracene
Concen: 6.49 ng
RT: 16.69 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF085982.D
Acq: 2 Apr 2016 1:08

Tgt Ion:278 Resp: 89105
Ion Ratio Lower Upper
278 100
139 18.1 14.4 21.6
279 22.5 19.1 28.7



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





#91

Benzo(a,h,i)perylene

Concen: 6.51 ng

RT: 17.09 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF085982.D

Acq: 2 Apr 2016 1:08

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

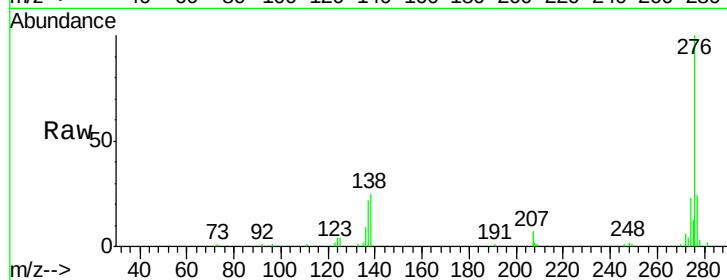
Tot Ion:276 Resp: 86502

Ion Ratio Lower Upper

276 100

277 24.0 18.8 28.2

138 25.1 22.6 34.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

