

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071317\
 Data File : BF096729.D
 Acq On : 13 Jul 2017 15:54
 Operator : SJ/JU
 Sample : I3757-01
 Misc : 5PPM LOD
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

Quant Time: Jul 14 01:05:13 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 13 14:49:34 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	109006	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	465602	20.00	ng	0.00
38) Acenaphthene-d10	9.66	164	208837	20.00	ng	0.00
63) Phenanthrene-d10	11.15	188	351532	20.00	ng	0.00
75) Chrysene-d12	13.77	240	256548	20.00	ng	0.00
86) Perylene-d12	15.15	264	182817	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	880477	121.45	ng	0.00
7) Phenol-d6	6.28	99	1086714	124.91	ng	0.00
23) Nitrobenzene-d5	7.20	82	742231	98.74	ng	0.00
41) 2,4,6-Tribromophenol	10.46	330	218641	122.65	ng	0.00
44) 2-Fluorobiphenyl	9.00	172	1219479	92.26	ng	0.00
78) Terphenyl-d14	12.73	244	989257	66.87	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	2.24	88	17831	4.78	ng	# 76
3) Pyridine	3.00	79	31107	3.97	ng	# 56
4) n-Nitrosodimethylamine	2.85	42	21948	5.01	ng	# 88
6) Aniline	6.30	93	56427	5.27	ng	91
8) 2-Chlorophenol	6.42	128	42869	5.48	ng	97
9) Benzaldehyde	6.17	77	21372	4.25	ng	94
10) Phenol	6.29	94	52755	5.36	ng	83
11) bis(2-Chloroethyl)ether	6.37	93	40567	5.49	ng	96
12) 1,3-Dichlorobenzene	6.57	146	44217	5.32	ng	97
13) 1,4-Dichlorobenzene	6.65	146	44928	5.34	ng	93
14) 1,2-Dichlorobenzene	6.80	146	41939	5.48	ng	95
15) Benzyl Alcohol	6.77	79	41111	7.22	ng	98
16) 2,2'-oxybis(1-Chloropropan	6.92	45	84780	5.55	ng	92
17) 2-Methylphenol	6.89	107	31169	5.12	ng	94
18) Hexachloroethane	7.15	117	15464	5.18	ng	# 77
19) n-Nitroso-di-n-propylamine	7.05	70	26371	5.03	ng	# 79
20) 3+4-Methylphenols	7.05	107	38956	5.28	ng	# 70
22) Acetophenone	7.04	105	55032	5.29	ng	99
24) Nitrobenzene	7.22	77	42795	5.50	ng	89
25) Isophorone	7.45	82	73748	5.27	ng	99
26) 2-Nitrophenol	7.53	139	21977	5.08	ng	# 90
27) 2,4-Dimethylphenol	7.57	122	36344	5.11	ng	98
28) bis(2-Chloroethoxy)methane	7.67	93	49423	5.23	ng	100
29) 2,4-Dichlorophenol	7.77	162	33808	5.25	ng	92
30) 1,2,4-Trichlorobenzene	7.86	180	31331	5.12	ng	98
31) Naphthalene	7.94	128	111568	5.06	ng	99
32) Benzoic acid	7.65	122	19692	4.33	ng	86
33) 4-Chloroaniline	7.99	127	46163	5.28	ng	96
34) Hexachlorobutadiene	8.06	225	17215	5.27	ng	96
35) Caprolactam	8.32	113	9623	4.67	ng	# 56
36) 4-Chloro-3-methylphenol	8.47	107	34655	5.01	ng	88
37) 2-Methylnaphthalene	8.63	142	74920	5.33	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.80	216	30280	5.36	ng	97
40) Hexachlorocyclopentadiene	8.79	237	4567	7.00	ng	96

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071317\
 Data File : BF096729.D
 Acq On : 13 Jul 2017 15:54
 Operator : SJ/JU
 Sample : I3757-01
 Misc : 5PPM LOD
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

Quant Time: Jul 14 01:05:13 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 13 14:49:34 2017
 Response via : Initial Calibration

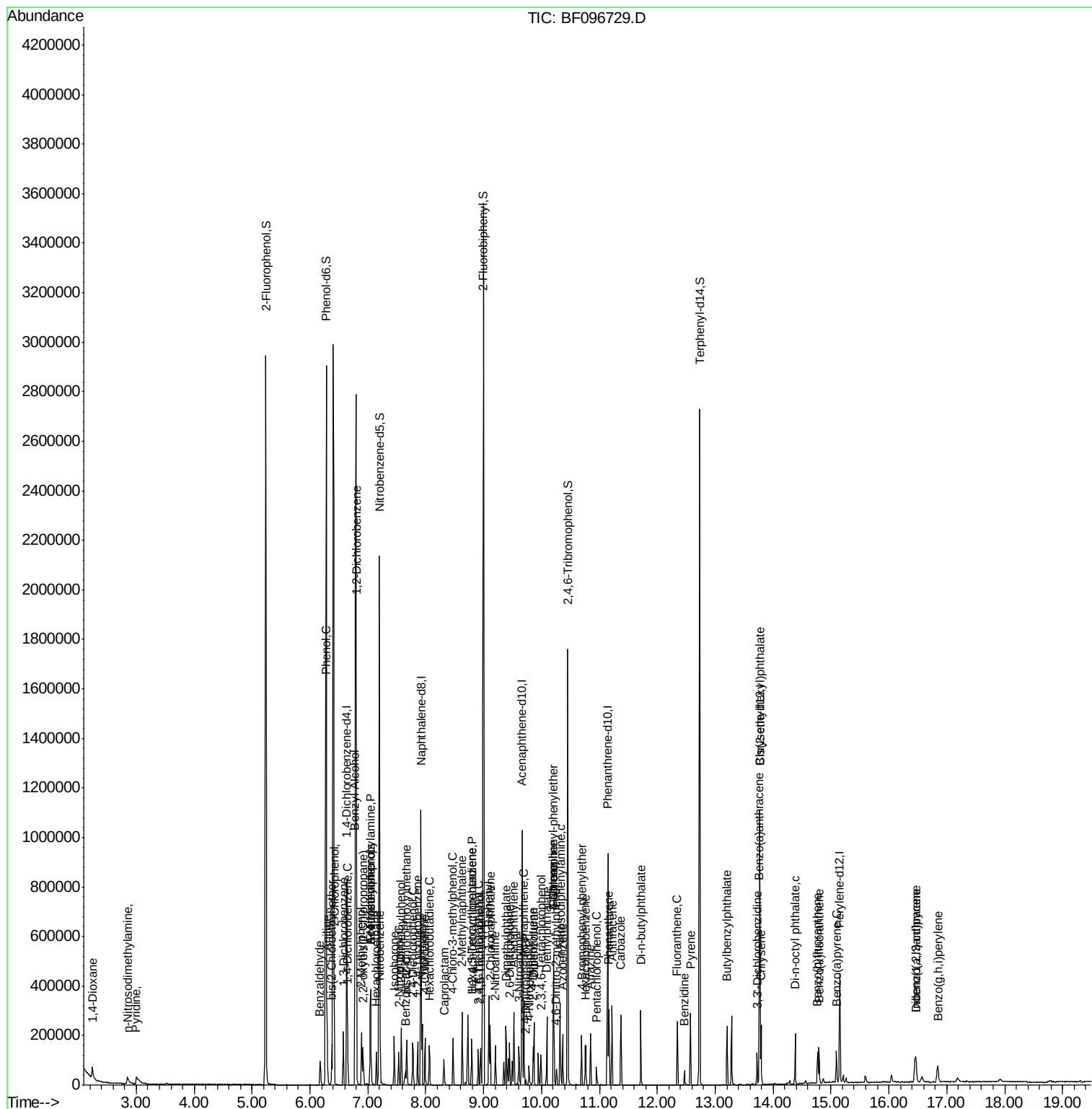
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.91	196	19270	4.63	ng	98
43) 2,4,5-Trichlorophenol	8.95	196	20163	4.80	ng	97
45) 1,1'-Biphenyl	9.09	154	102083	5.70	ng	98
46) 2-Chloronaphthalene	9.12	162	73752	5.59	ng	97
47) 2-Nitroaniline	9.20	65	23760	5.24	ng	99
48) Acenaphthylene	9.52	152	118606	5.64	ng	98
49) Dimethylphthalate	9.39	163	86339	5.49	ng	100
50) 2,6-Dinitrotoluene	9.45	165	18354	5.39	ng	# 77
51) Acenaphthene	9.70	154	69483	5.60	ng	98
52) 3-Nitroaniline	9.61	138	20155	5.00	ng	95
53) 2,4-Dinitrophenol	9.73	184	3423	8.60	ng	# 80
54) Dibenzofuran	9.87	168	90710	5.21	ng	98
55) 4-Nitrophenol	9.78	139	13460	4.57	ng	# 65
56) 2,4-Dinitrotoluene	9.85	165	22903	5.23	ng	# 85
57) Fluorene	10.21	166	78267	6.09	ng	97
58) 2,3,4,6-Tetrachlorophenol	9.99	232	15004	5.15	ng	# 93
59) Diethylphthalate	10.09	149	94294	6.16	ng	99
60) 4-Chlorophenyl-phenylether	10.20	204	32561	4.34	ng	97
61) 4-Nitroaniline	10.22	138	18381	4.85	ng	89
62) Azobenzene	10.37	77	72800	5.39	ng	92
64) 4,6-Dinitro-2-methylphenol	10.26	198	7419	3.36	ng	90
65) n-Nitrosodiphenylamine	10.32	169	69923	5.56	ng	98
66) 4-Bromophenyl-phenylether	10.69	248	19308	5.38	ng	94
67) Hexachlorobenzene	10.76	284	22368	5.60	ng	95
68) Atrazine	10.85	200	19283	5.39	ng	94
69) Pentachlorophenol	10.96	266	8519	4.41	ng	97
70) Phenanthrene	11.16	178	109433	5.73	ng	98
71) Anthracene	11.22	178	110191	5.70	ng	98
72) Carbazole	11.37	167	104932	5.61	ng	97
73) Di-n-butylphthalate	11.72	149	133568	5.73	ng	98
74) Fluoranthene	12.34	202	104097	5.69	ng	97
76) Benzidine	12.47	184	25333	3.01	ng	96
77) Pyrene	12.57	202	108317	4.65	ng	97
79) Butylbenzylphthalate	13.20	149	48410	8.75	ng	# 83
80) Benzo(a)anthracene	13.76	228	79414	4.97	ng	98
81) 3,3'-Dichlorobenzidine	13.72	252	25254	4.39	ng	97
82) Chrysene	13.79	228	76082	4.83	ng	98
83) Bis(2-ethylhexyl)phthalate	13.77	149	66350	4.92	ng	100
84) Di-n-octyl phthalate	14.38	149	92583	4.16	ng	96
85) Indeno(1,2,3-cd)pyrene	16.46	276	56180	7.03	ng	96
87) Benzo(b)fluoranthene	14.77	252	54745	4.97	ng	98
88) Benzo(k)fluoranthene	14.79	252	54244	5.20	ng	# 94
89) Benzo(a)pyrene	15.09	252	52321	5.17	ng	97
90) Dibenzo(a,h)anthracene	16.47	278	44526	4.79	ng	96
91) Benzo(g,h,i)perylene	16.84	276	46461	4.66	ng	96

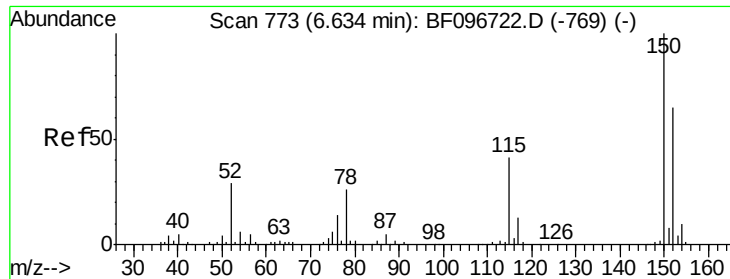
(#) = qualifier out of range (m) = manual integration (+) = signals summed

```
Data Path : Z:\HPCHEM1\BNA F\DATA\BF071317\  
Data File : BF096729.D  
Acq On    : 13 Jul 2017   15:54  
Operator  : SJ/JU  
Sample    : I3757-01  
Misc      : 5PPM LOD  
ALS Vial  : 12      Sample Multiplier: 1
```

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-OT3-2017

Quant Time: Jul 14 01:05:13 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 13 14:49:34 2017
Response via : Initial Calibration



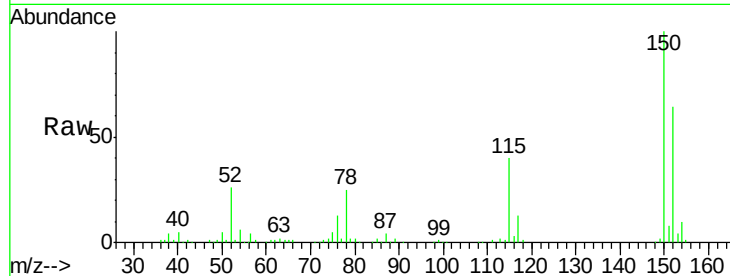


#1

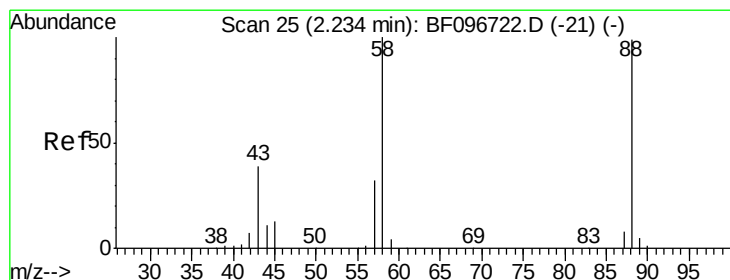
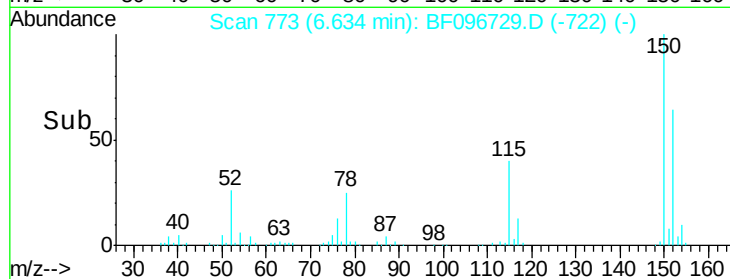
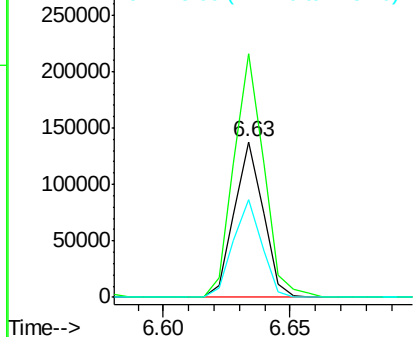
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.63 min Scan# 773
Delta R.T. -0.00 min
Lab File: BF096729.D
Acq: 13 Jul 2017 15:54

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT3-2017

Tot Ion:152 Resp: 109006
Ion Ratio Lower Upper
152 100
150 156.6 126.2 189.2
115 62.5 52.2 78.2



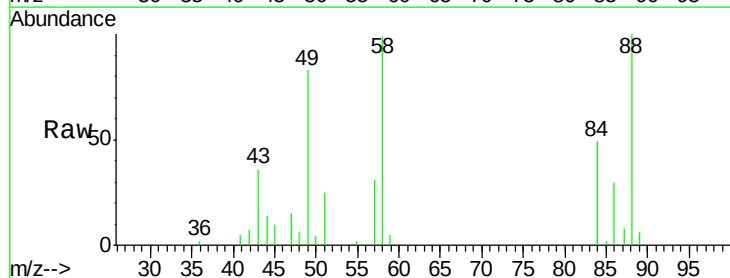
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



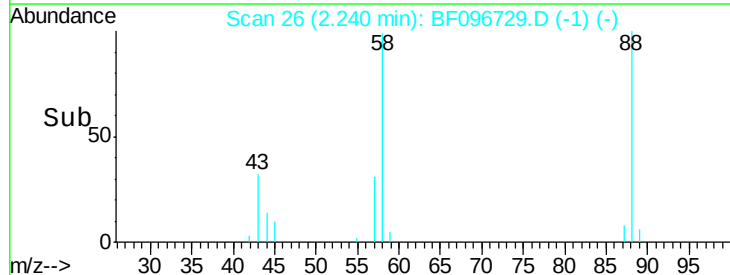
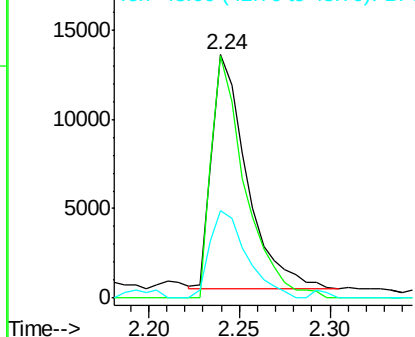
#2

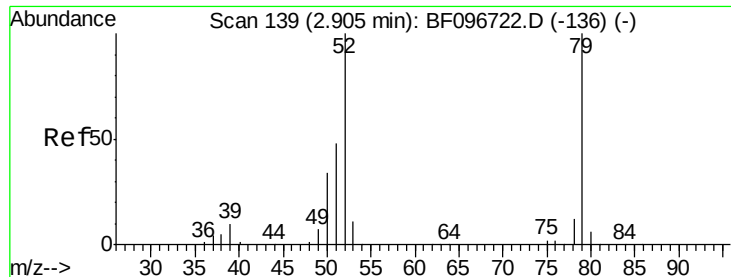
1,4-Dioxane
Concen: 4.78 ng
RT: 2.24 min Scan# 26
Delta R.T. 0.01 min
Lab File: BF096729.D
Acq: 13 Jul 2017 15:54

Tgt Ion: 88 Resp: 17831
Ion Ratio Lower Upper
88 100
58 98.9 61.4 92.0#
43 39.0 23.4 35.0#



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: 3.97 ng

RT: 3.00 min Scan# 155

Delta R.T. 0.09 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

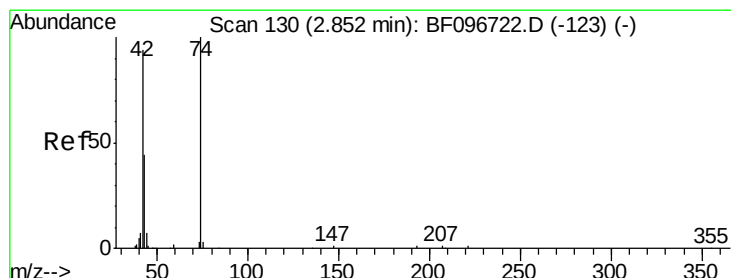
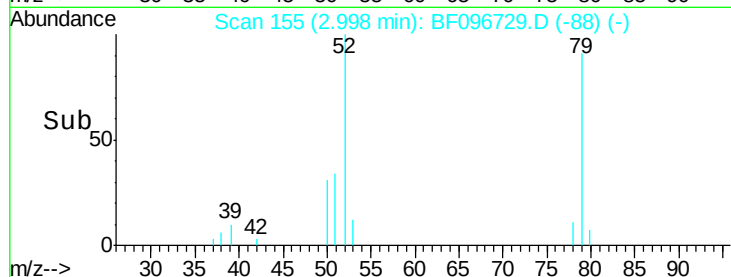
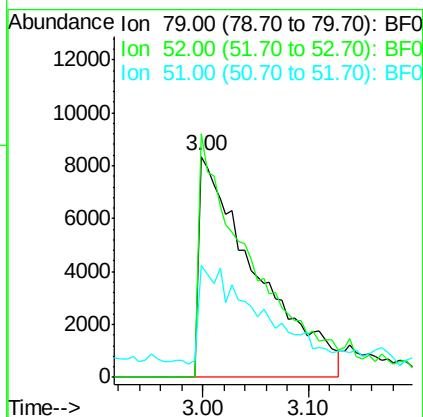
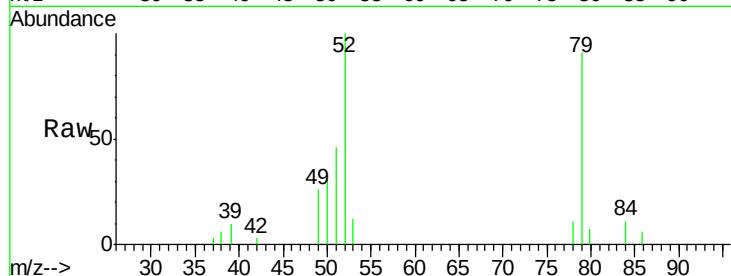
Tot Ion: 79 Resp: 31107

Ion Ratio Lower Upper

79 100

52 110.3 54.8 82.2#

51 50.5 27.0 40.4#



#4

n-Nitrosodimethylamine

Concen: 5.01 ng

RT: 2.85 min Scan# 129

Delta R.T. -0.01 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

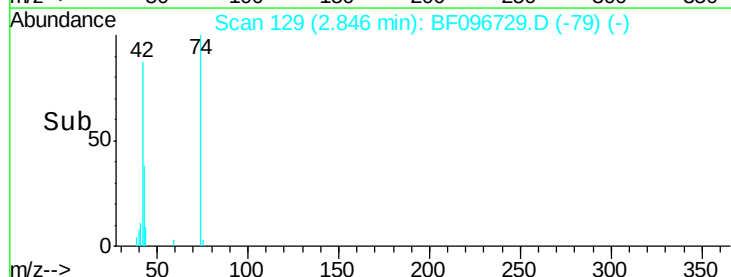
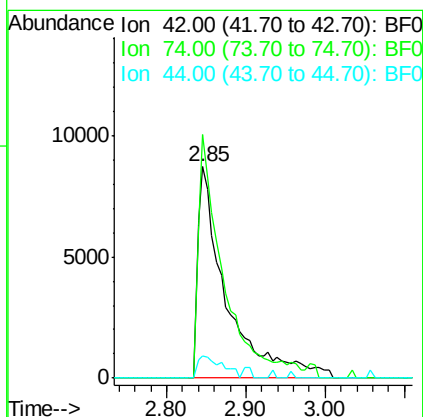
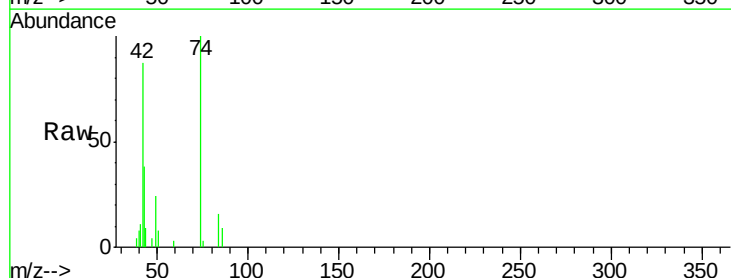
Tgt Ion: 42 Resp: 21948

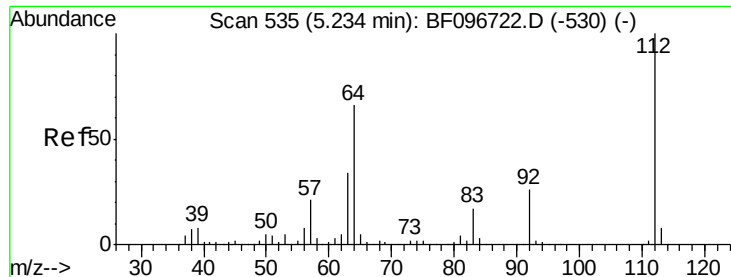
Ion Ratio Lower Upper

42 100

74 115.1 103.9 155.9

44 10.2 5.7 8.5#





#5

2-Fluorophenol

Concen: 121.45 ng

RT: 5.24 min Scan# 536

Delta R.T. 0.01 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

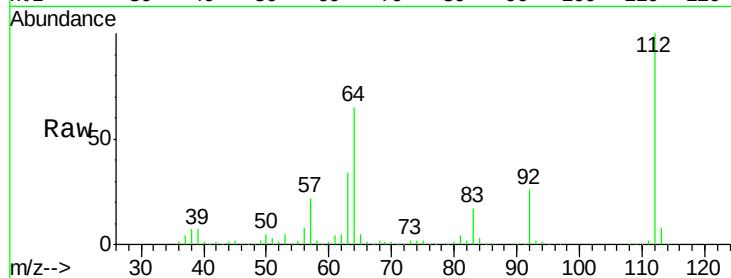
Tot Ion:112 Resp: 880477

Ion Ratio Lower Upper

112 100

64 65.3 46.0 69.0

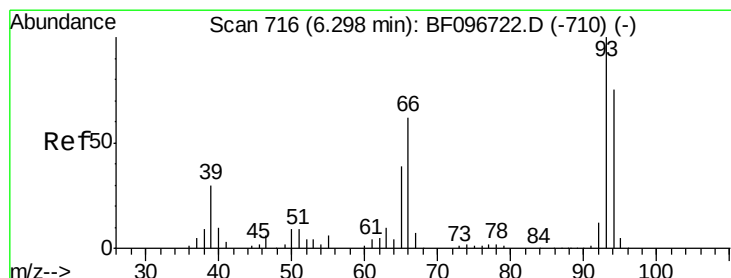
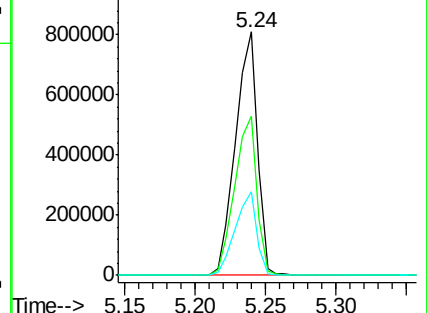
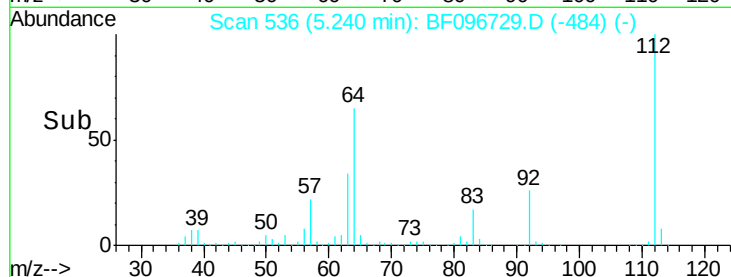
63 34.2 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 5.27 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.00 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

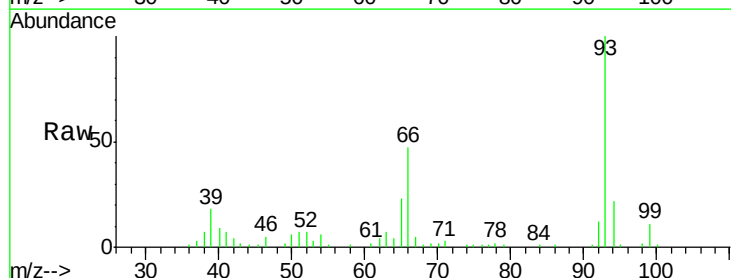
Tgt Ion: 93 Resp: 56427

Ion Ratio Lower Upper

93 100

66 47.4 32.9 49.3

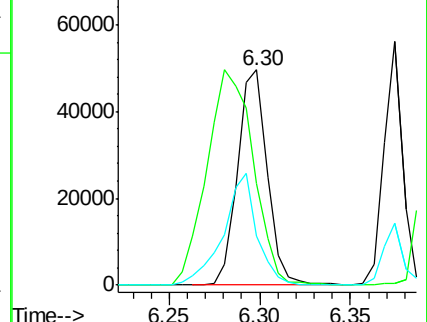
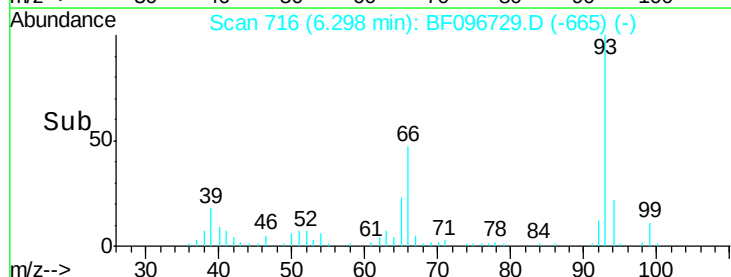
65 23.1 16.0 24.0

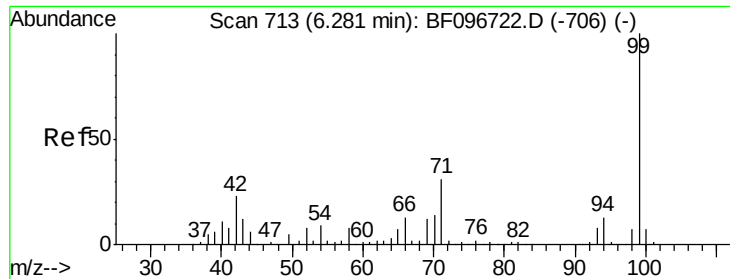


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 124.91 ng

RT: 6.28 min Scan# 713

Delta R.T. -0.00 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

Instrument :

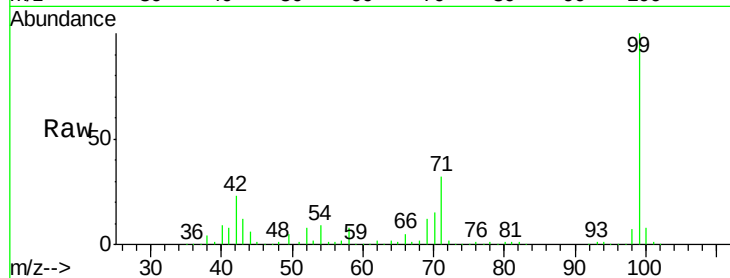
BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

Tot Ion: 99 Resp: 1086714

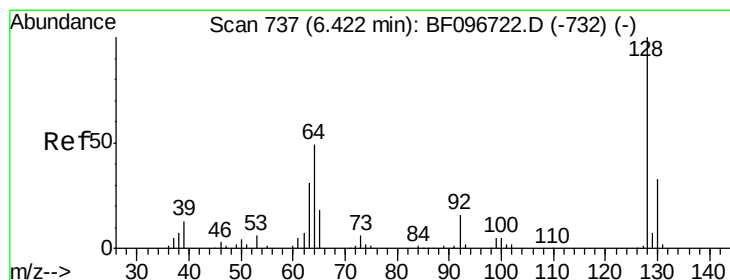
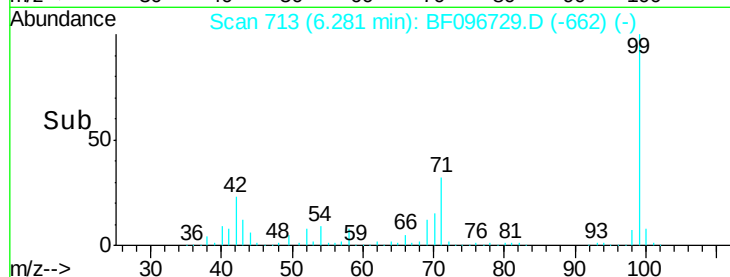
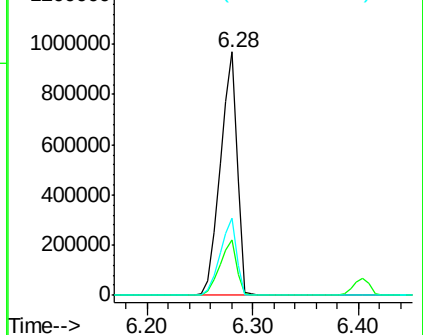
Ion	Ratio	Lower	Upper
99	100		
42	22.7	13.5	20.3#
71	31.7	24.5	36.7



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: 5.48 ng

RT: 6.42 min Scan# 737

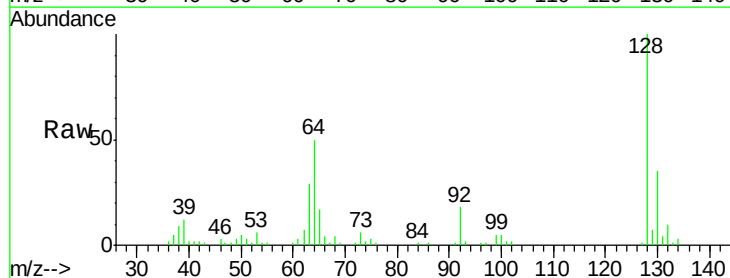
Delta R.T. -0.00 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

Tgt Ion: 128 Resp: 42869

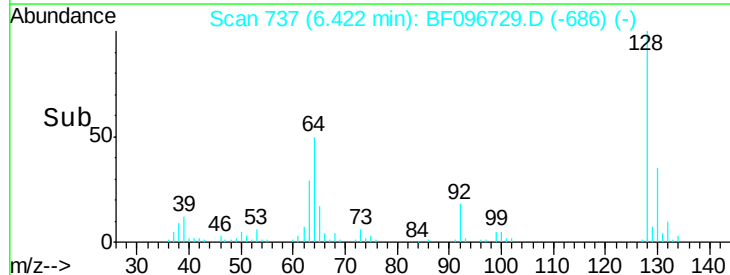
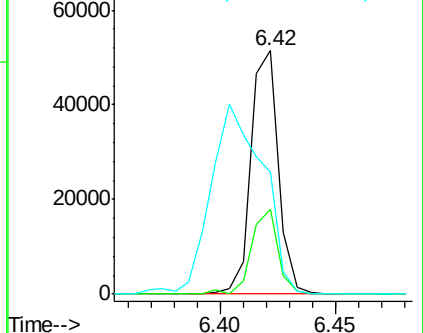
Ion	Ratio	Lower	Upper
128	100		
130	34.7	12.9	52.9
64	50.3	28.4	68.4

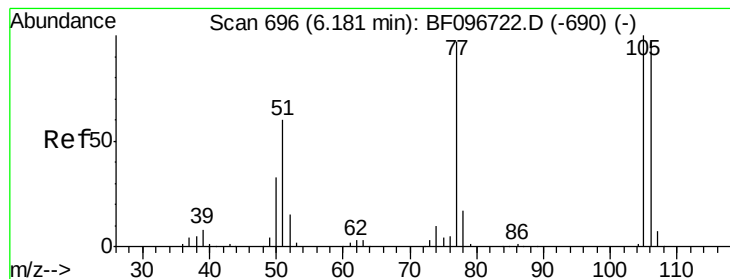


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 4.25 ng

RT: 6.17 min Scan# 695

Delta R.T. -0.01 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

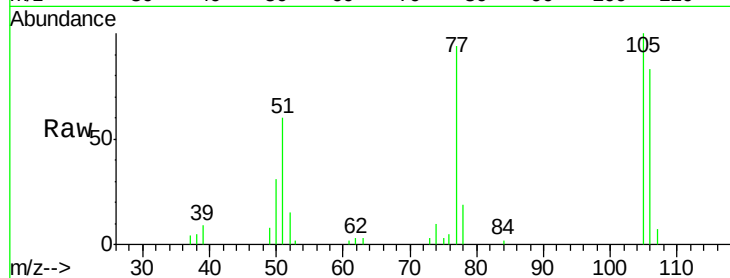
Tot Ion: 77 Resp: 21372

Ion Ratio Lower Upper

77 100

105 105.8 83.8 123.8

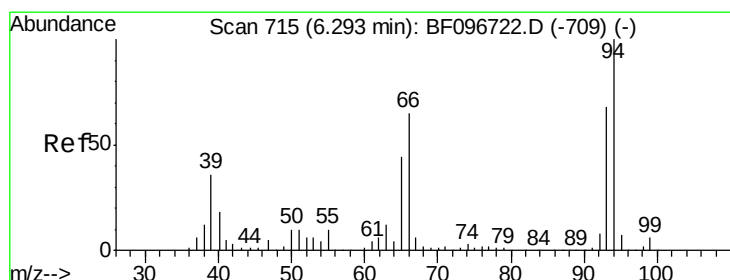
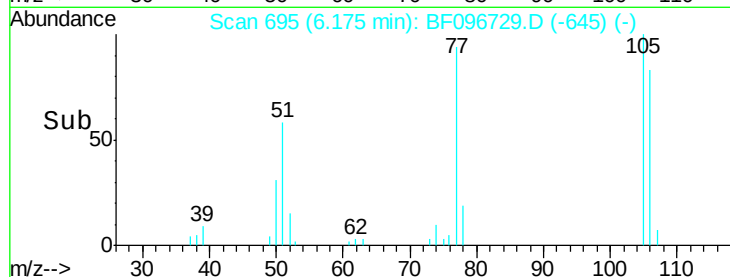
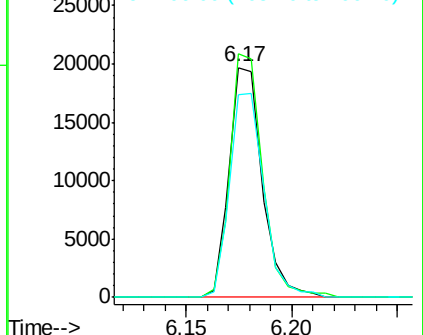
106 88.2 79.1 119.1



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: 5.36 ng

RT: 6.29 min Scan# 715

Delta R.T. -0.00 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

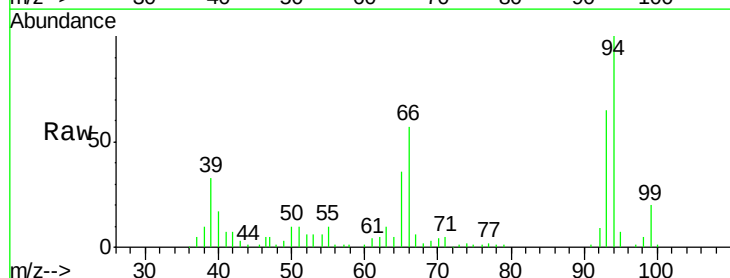
Tgt Ion: 94 Resp: 52755

Ion Ratio Lower Upper

94 100

65 35.9 9.9 49.9

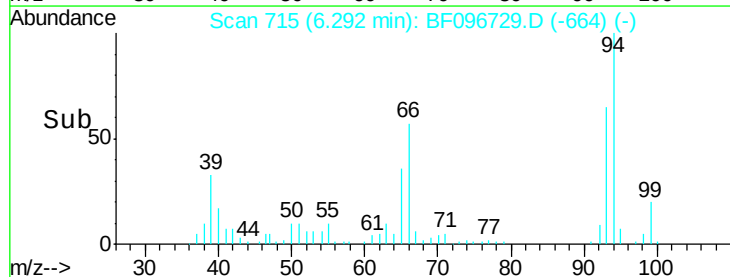
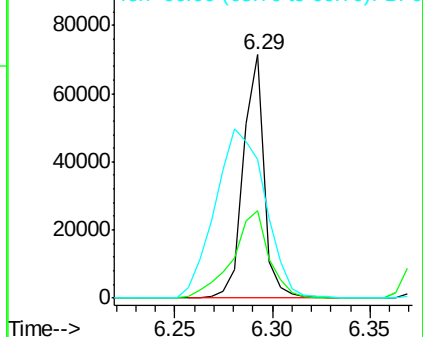
66 57.1 23.1 63.1

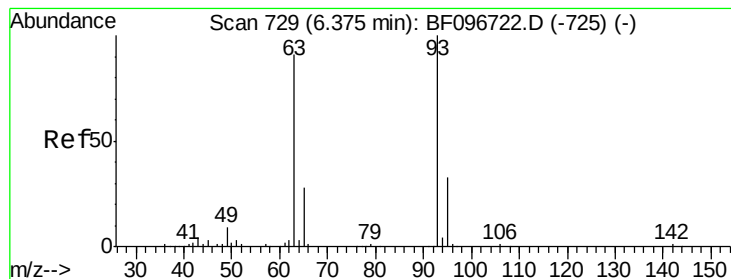


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

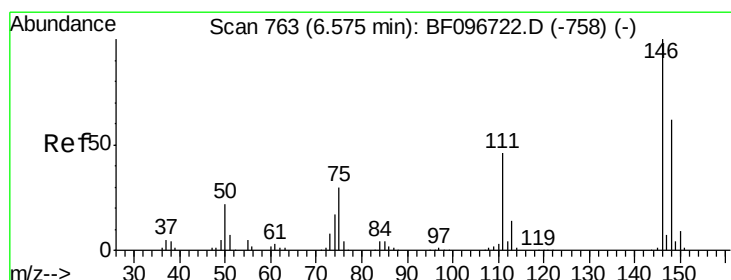
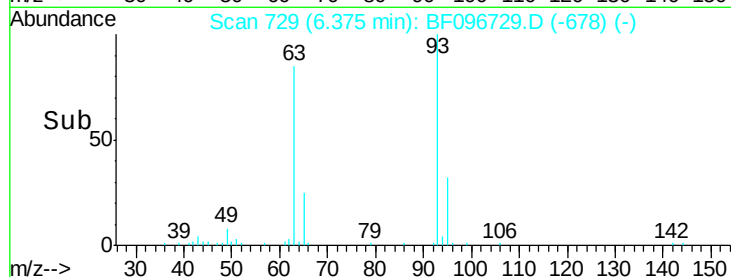
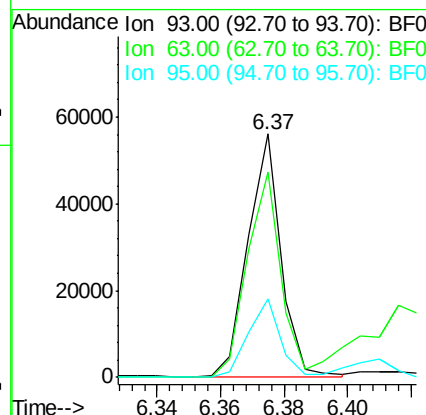
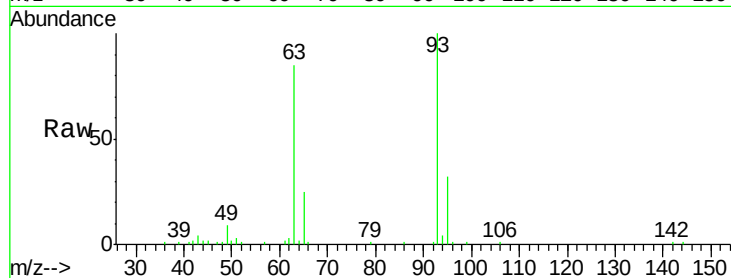




#11
bis(2-Chloroethyl)ether
Concen: 5.49 ng
RT: 6.37 min Scan# 729
Delta R.T. -0.00 min
Lab File: BF096729.D
Acq: 13 Jul 2017 15:54

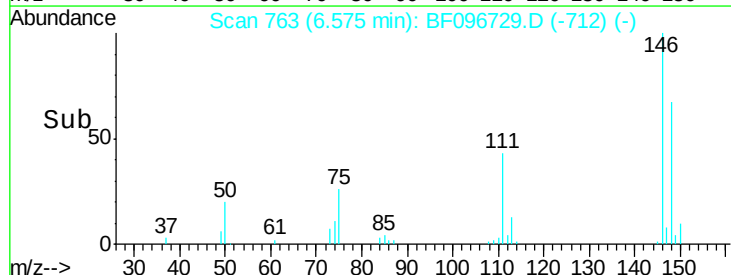
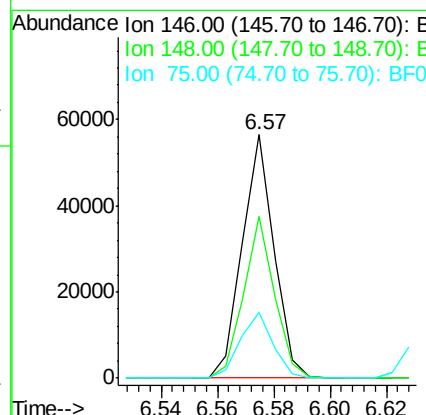
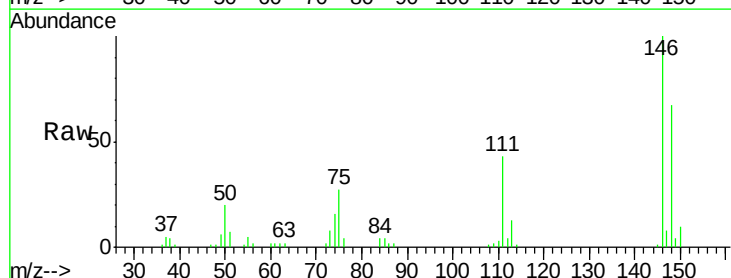
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT3-2017

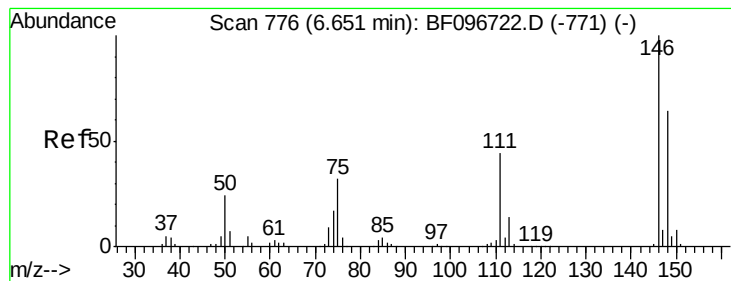
Tot Ion: 93 Resp: 40567
Ion Ratio Lower Upper
93 100
63 84.5 59.2 99.2
95 32.5 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 5.32 ng
RT: 6.57 min Scan# 763
Delta R.T. -0.00 min
Lab File: BF096729.D
Acq: 13 Jul 2017 15:54

Tgt Ion: 146 Resp: 44217
Ion Ratio Lower Upper
146 100
148 66.6 51.8 77.6
75 27.0 23.1 34.7





#13

1,4-Dichlorobenzene

Concen: 5.34 ng

RT: 6.65 min Scan# 776

Delta R.T. -0.00 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

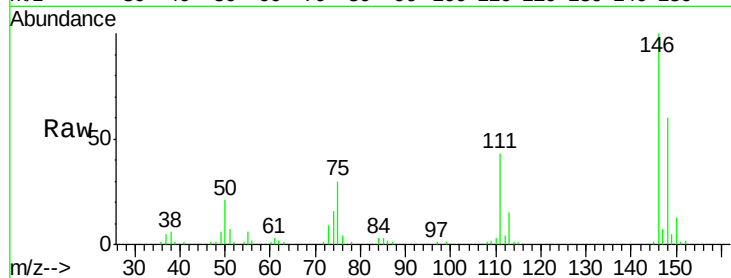
Tot Ion:146 Resp: 44928

Ion Ratio Lower Upper

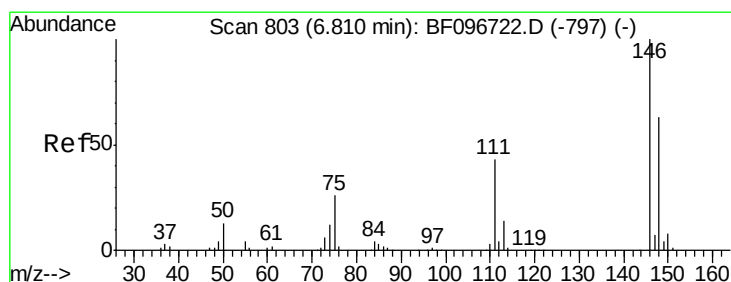
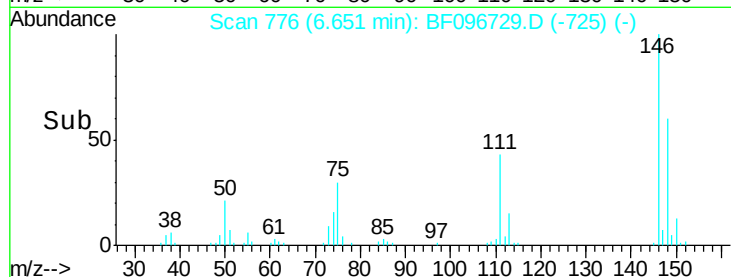
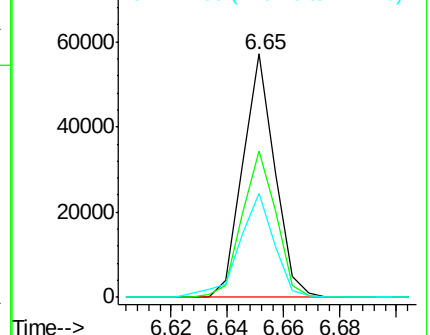
146 100

148 60.3 52.2 78.2

111 42.9 30.3 45.5



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



#14

1,2-Dichlorobenzene

Concen: 5.48 ng

RT: 6.80 min Scan# 802

Delta R.T. -0.01 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

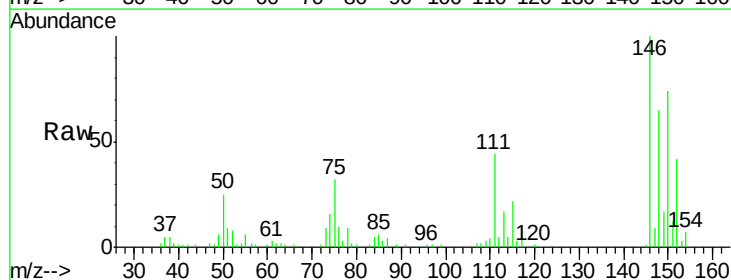
Tgt Ion:146 Resp: 41939

Ion Ratio Lower Upper

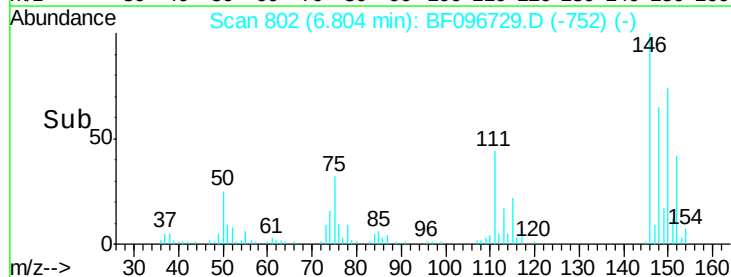
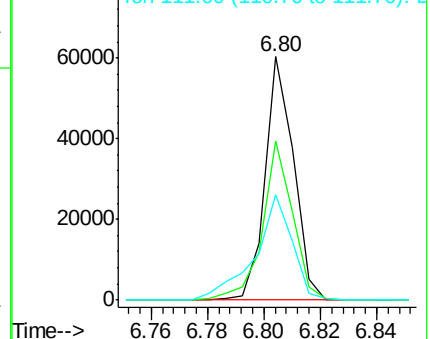
146 100

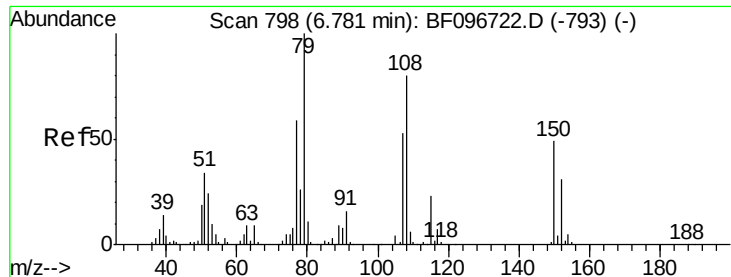
148 65.4 50.4 75.6

111 43.5 38.2 57.4



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





#15

Benzyl Alcohol

Concen: 7.22 ng

RT: 6.77 min Scan# 797

Delta R.T. -0.01 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

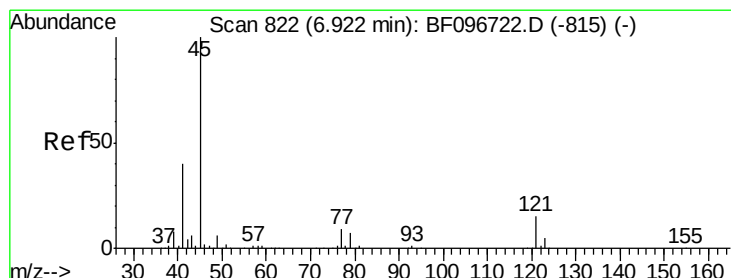
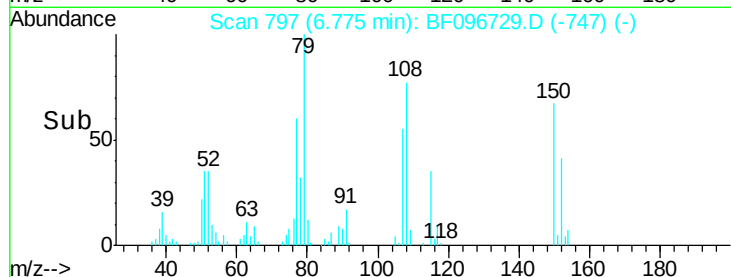
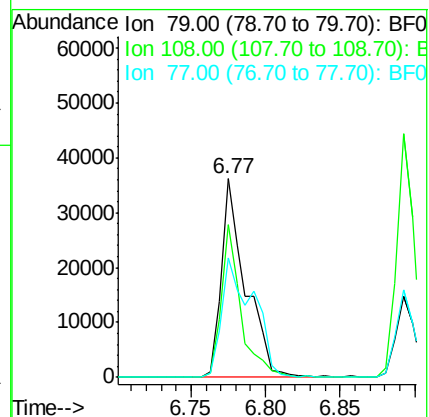
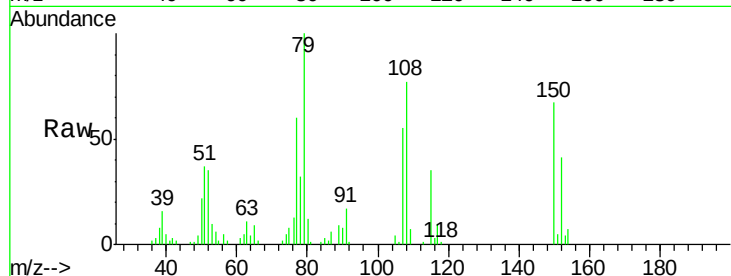
Tot Ion: 79 Resp: 41111

Ion Ratio Lower Upper

79 100

108 76.7 63.4 95.0

77 60.3 49.2 73.8



#16

2,2'-oxybis(1-chloropropane)

Concen: 5.55 ng

RT: 6.92 min Scan# 821

Delta R.T. -0.01 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

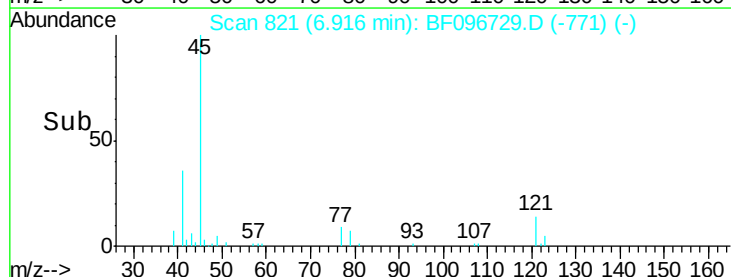
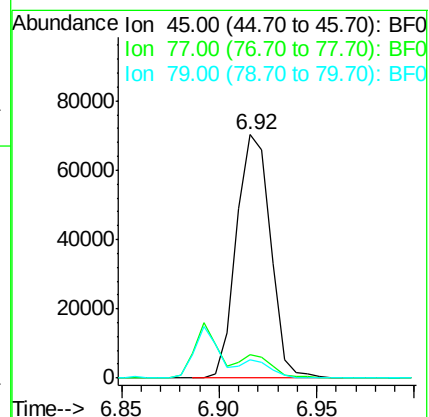
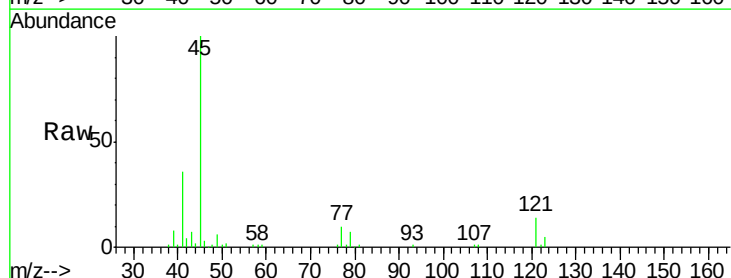
Tgt Ion: 45 Resp: 84780

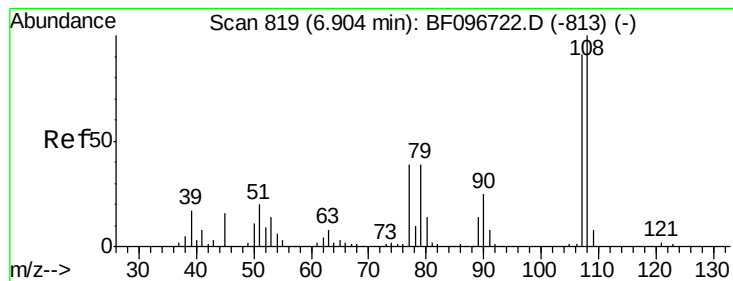
Ion Ratio Lower Upper

45 100

77 9.7 0.0 33.2

79 7.3 0.0 30.0

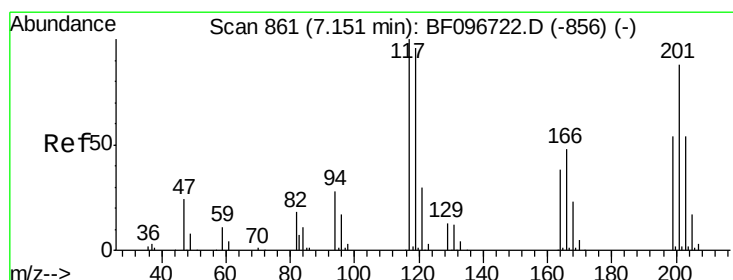
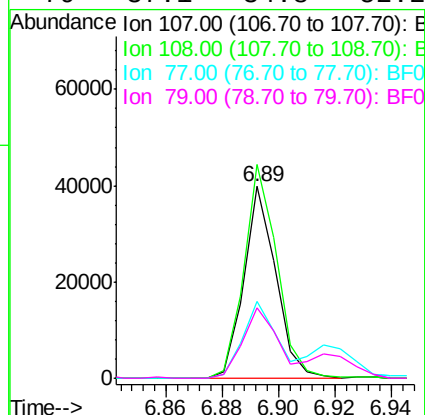
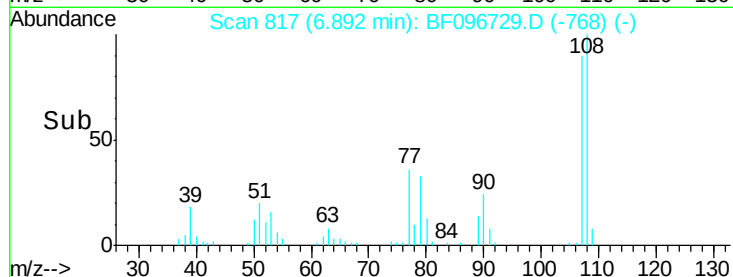
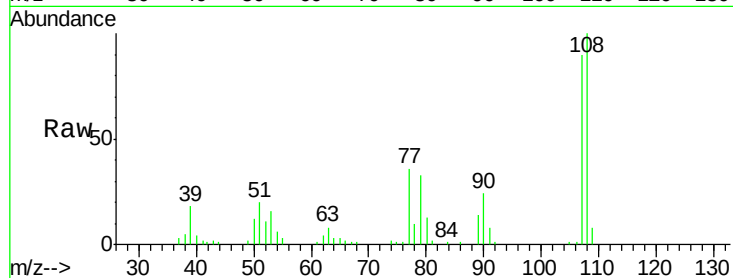




#17
2-Methylphenol
Concen: 5.12 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF096729.D
Acq: 13 Jul 2017 15:54

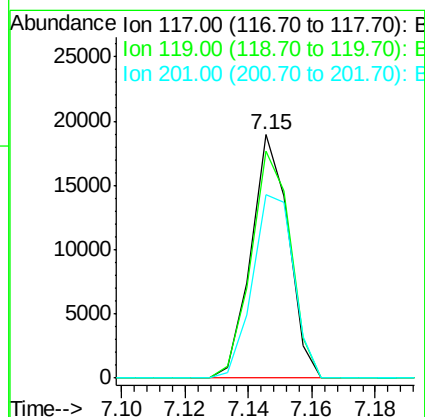
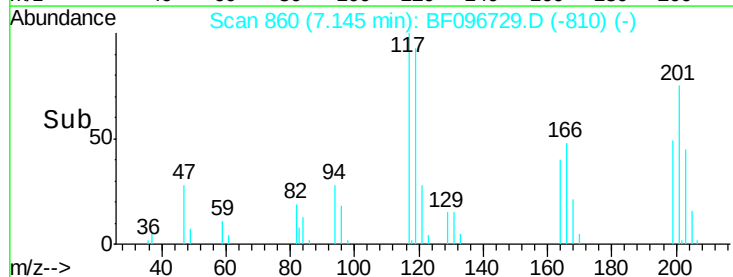
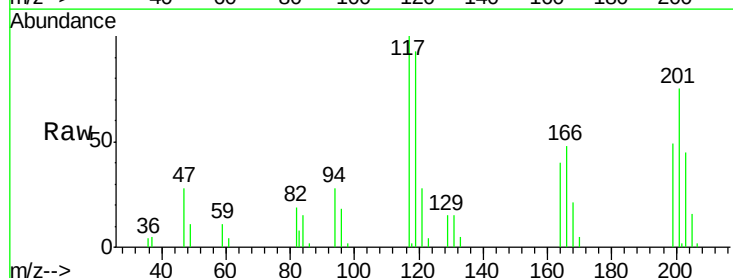
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT3-2017

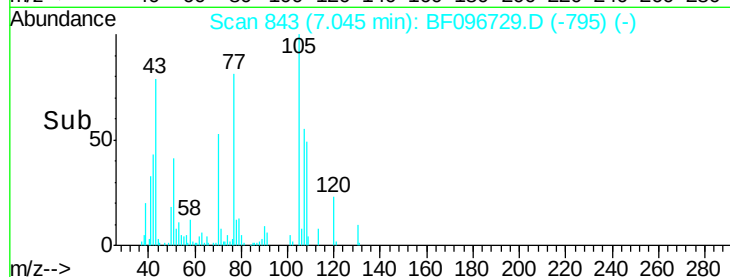
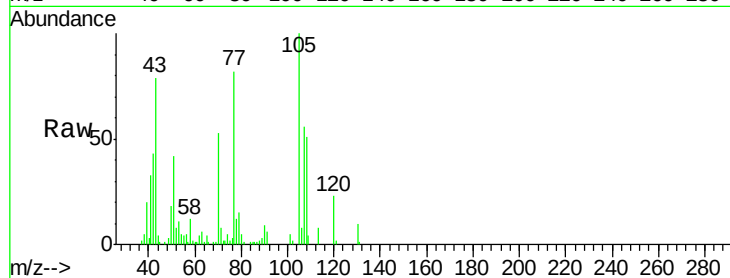
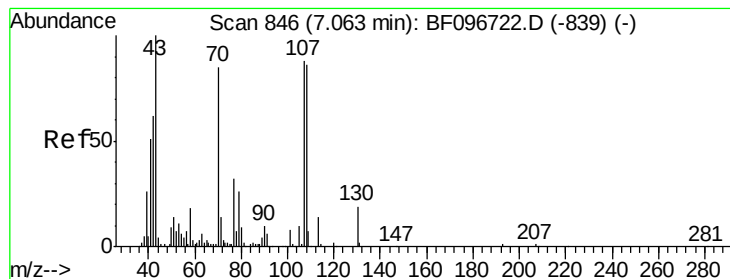
Tot Ion:107 Resp: 31169
Ion Ratio Lower Upper
107 100
108 111.4 93.4 140.0
77 39.9 35.8 53.6
79 37.1 34.8 52.2



#18
Hexachloroethane
Concen: 5.18 ng
RT: 7.15 min Scan# 860
Delta R.T. -0.01 min
Lab File: BF096729.D
Acq: 13 Jul 2017 15:54

Tgt Ion:117 Resp: 15464
Ion Ratio Lower Upper
117 100
119 93.3 77.4 116.0
201 75.4 94.6 141.8#





#19

n-Nitroso-di-n-propylamine

Concen: 5.03 ng

RT: 7.05 min Scan# 843

Delta R.T. -0.02 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

Tot Ion: 70 Resp: 26371

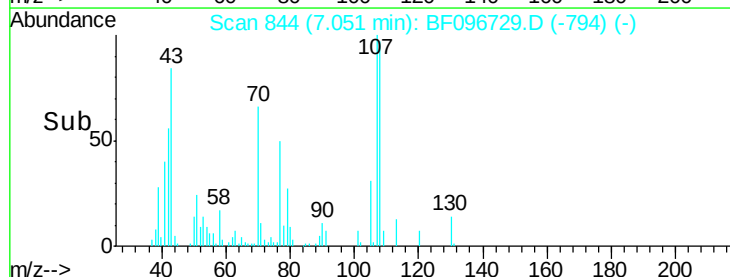
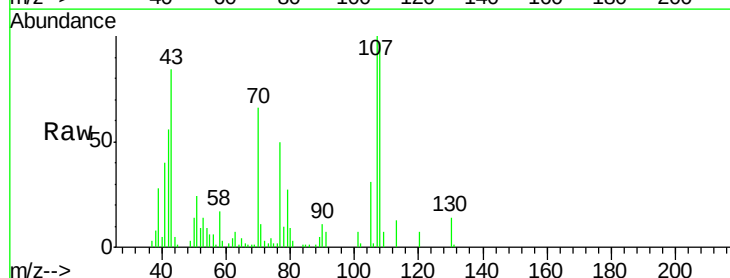
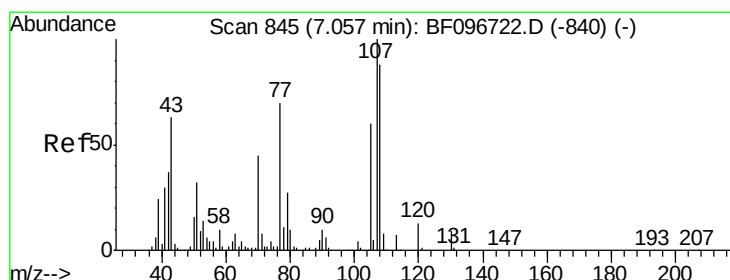
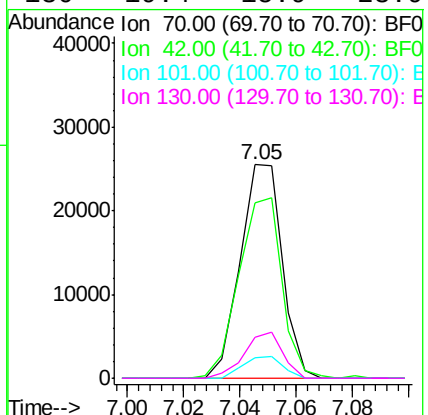
Ion Ratio Lower Upper

70 100

42 82.0 47.2 70.8#

101 9.8 7.2 10.8

130 19.4 15.9 23.9



#20

3+4-Methylphenols

Concen: 5.28 ng

RT: 7.05 min Scan# 844

Delta R.T. -0.01 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

Tgt Ion:107 Resp: 38956

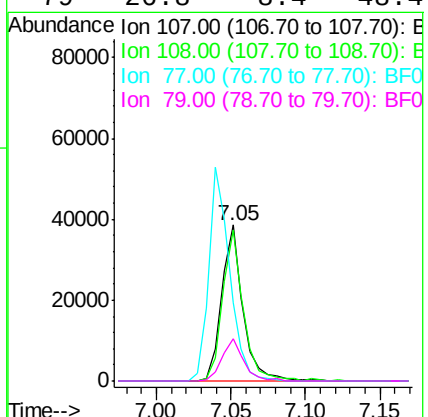
Ion Ratio Lower Upper

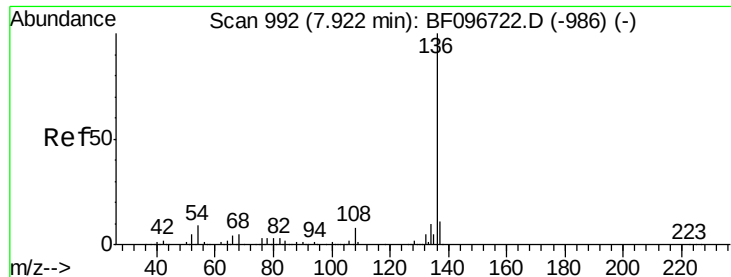
107 100

108 97.0 71.0 111.0

77 50.0 90.5 130.5#

79 26.8 8.4 48.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.92 min Scan# 991

Delta R.T. -0.01 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

Tot Ion:136 Resp: 465602

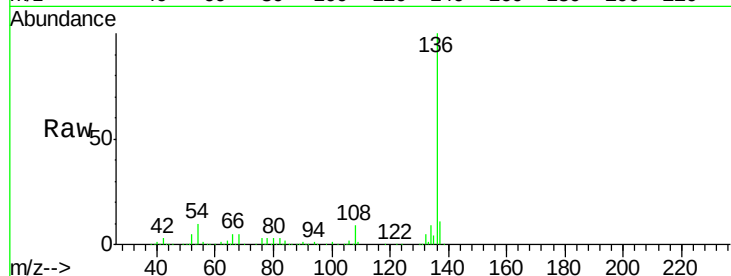
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 10.4 4.9 7.3#

68 5.4 4.1 6.1

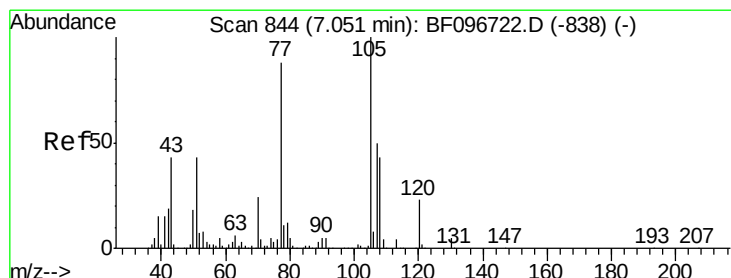
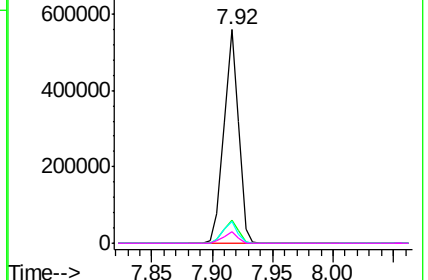
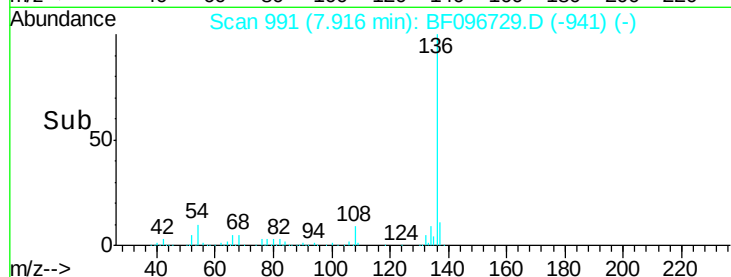


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 5.29 ng

RT: 7.04 min Scan# 842

Delta R.T. -0.01 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

Tgt Ion:105 Resp: 55032

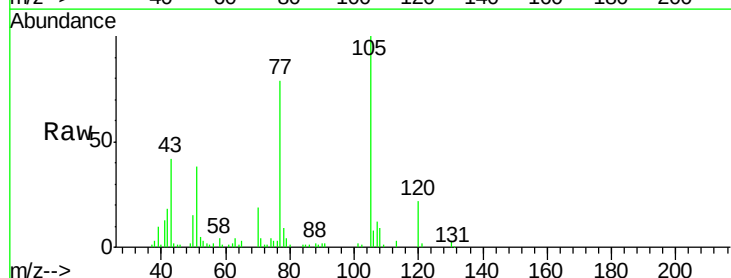
Ion Ratio Lower Upper

105 100

71 3.9 2.8 4.2

51 37.8 30.7 46.1

120 21.6 17.4 26.0

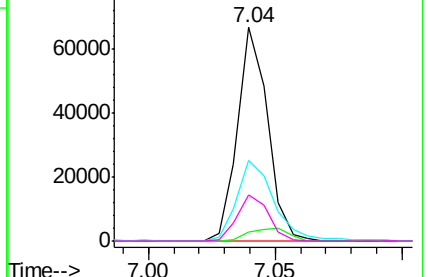
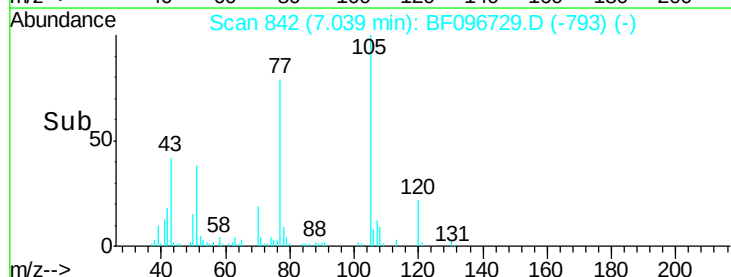


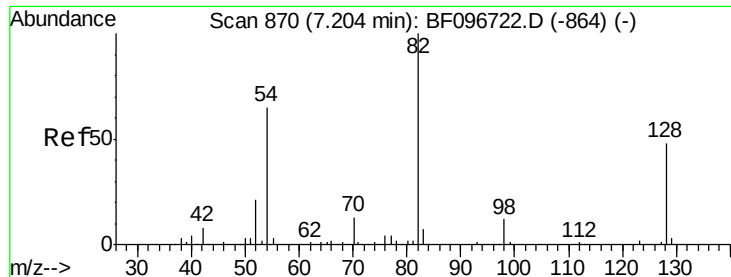
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

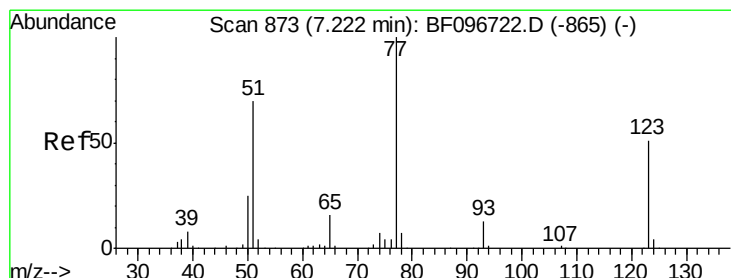
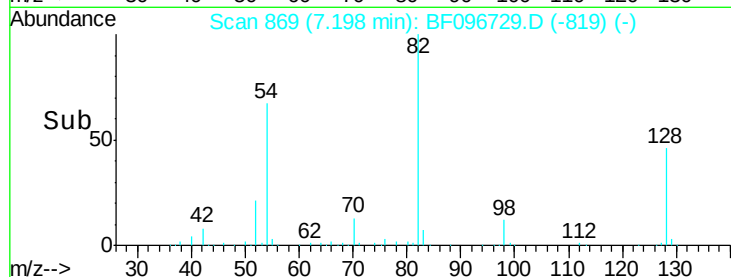
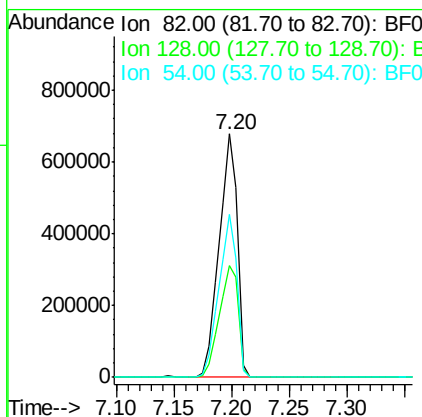
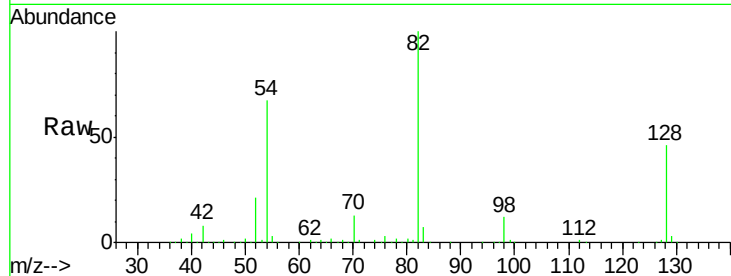




#23
 Nitrobenzene-d5
 Concen: 98.74 ng
 RT: 7.20 min Scan# 869
 Delta R.T. -0.01 min
 Lab File: BF096729.D
 Acq: 13 Jul 2017 15:54

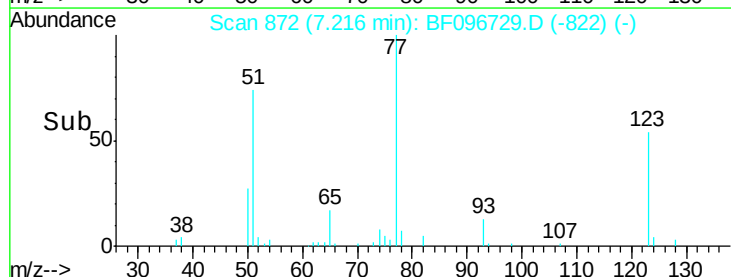
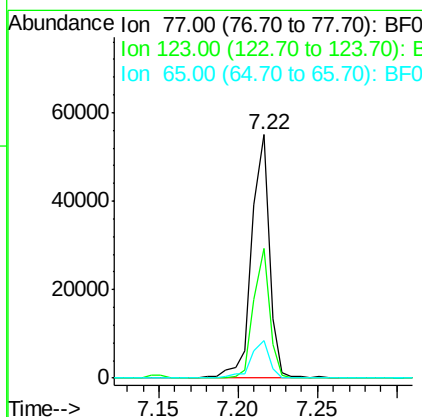
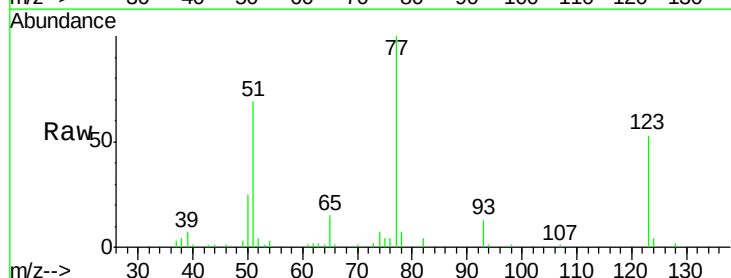
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

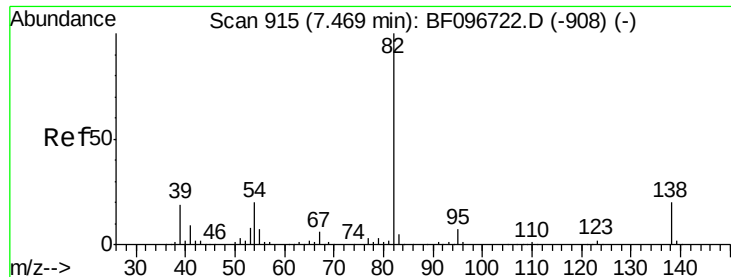
Tot Ion: 82 Resp: 742231
 Ion Ratio Lower Upper
 82 100
 128 45.7 34.0 51.0
 54 66.8 42.2 63.2#



#24
 Nitrobenzene
 Concen: 5.50 ng
 RT: 7.22 min Scan# 872
 Delta R.T. -0.01 min
 Lab File: BF096729.D
 Acq: 13 Jul 2017 15:54

Tgt Ion: 77 Resp: 42795
 Ion Ratio Lower Upper
 77 100
 123 53.4 35.8 53.8
 65 15.2 10.6 15.8





#25

Isophorone

Concen: 5.27 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.02 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

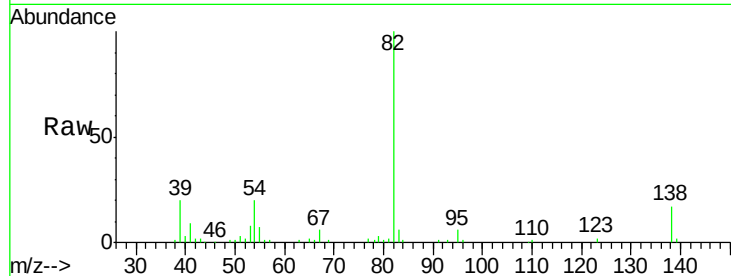
Tot Ion: 82 Resp: 73748

Ion Ratio Lower Upper

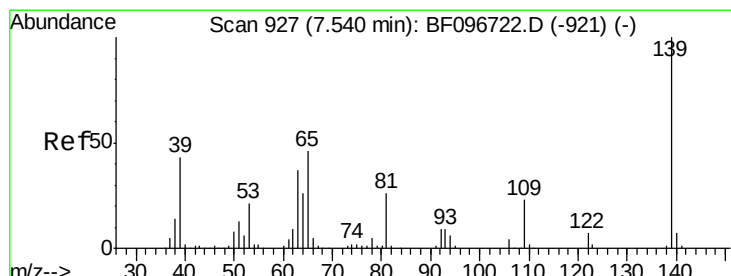
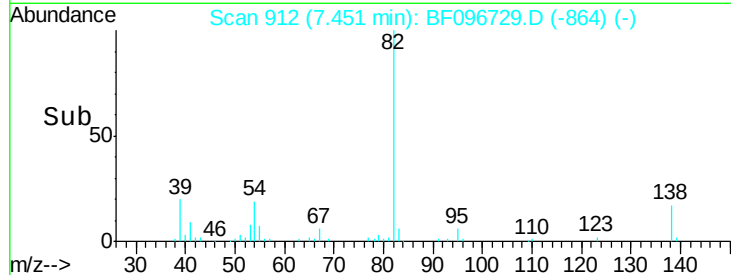
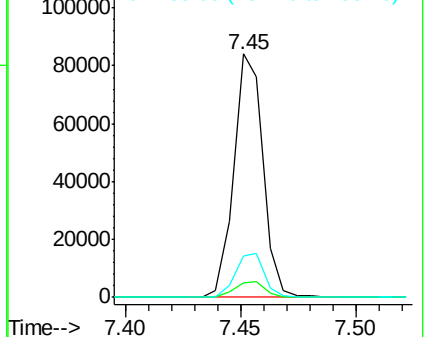
82 100

95 5.9 5.3 7.9

138 16.7 13.1 19.7



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 5.08 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.01 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

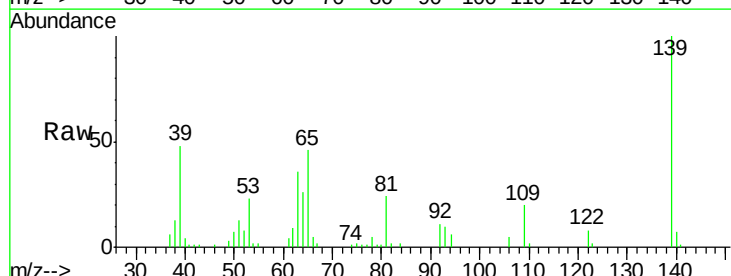
Tgt Ion: 139 Resp: 21977

Ion Ratio Lower Upper

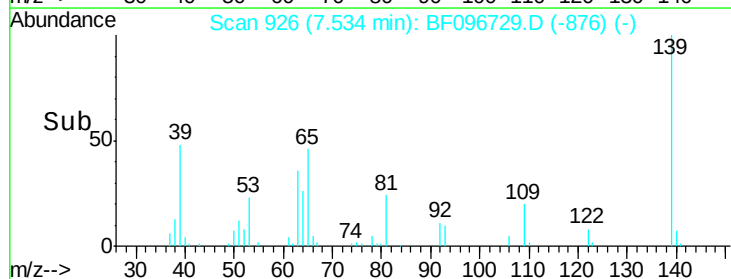
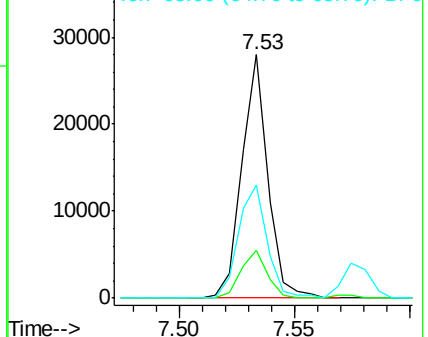
139 100

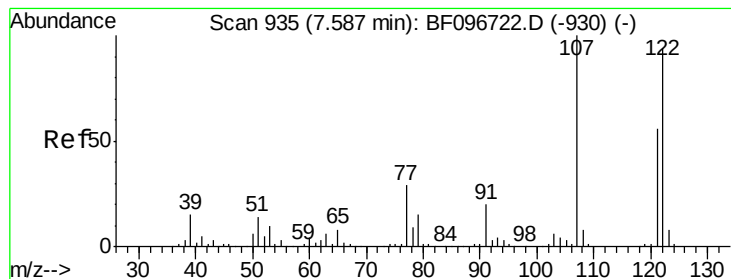
109 19.5 21.0 31.6#

65 46.5 33.0 49.6



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





#27

2,4-Dimethylphenol

Concen: 5.11 ng

RT: 7.57 min Scan# 933

Delta R.T. -0.01 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

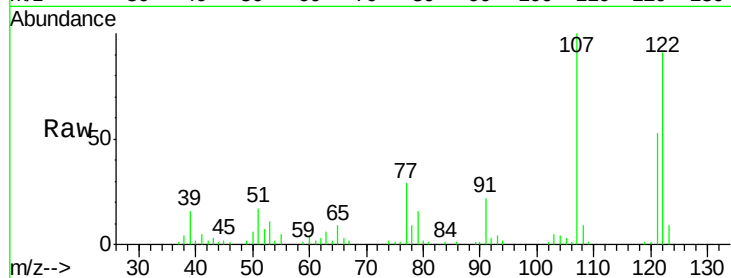
Tot Ion:122 Resp: 36344

Ion Ratio Lower Upper

122 100

107 109.6 89.2 133.8

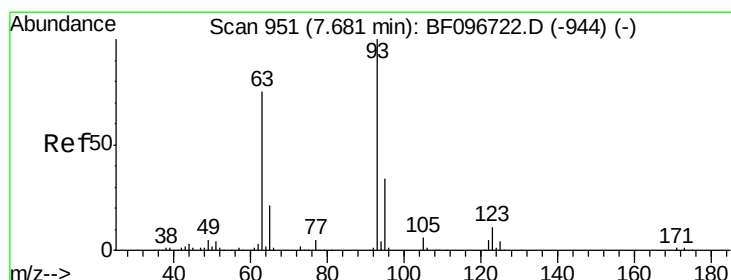
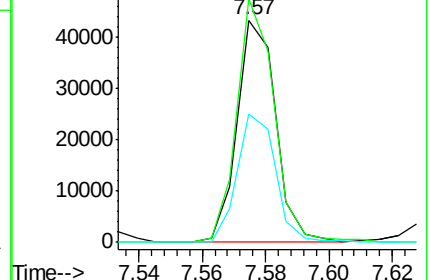
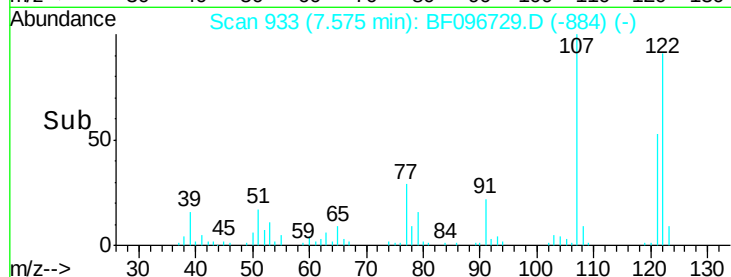
121 58.1 45.2 67.8



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: 5.23 ng

RT: 7.67 min Scan# 949

Delta R.T. -0.01 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

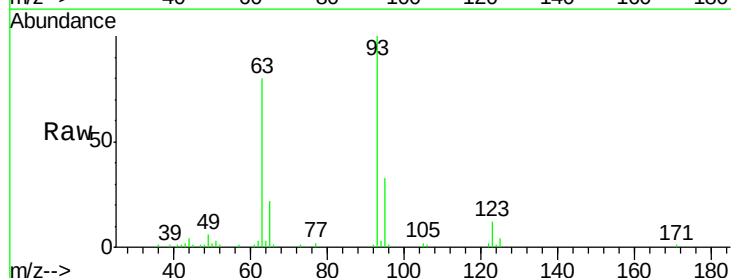
Tgt Ion: 93 Resp: 49423

Ion Ratio Lower Upper

93 100

95 33.2 26.5 39.7

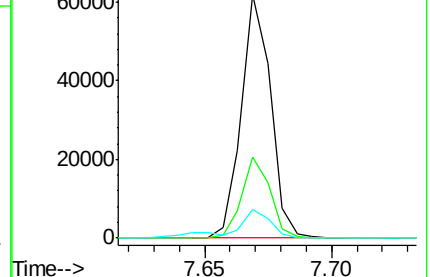
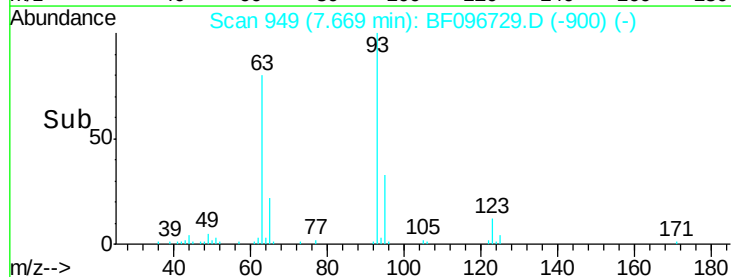
123 11.5 9.0 13.4

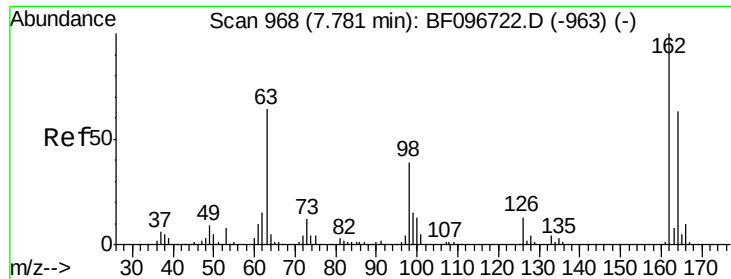


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

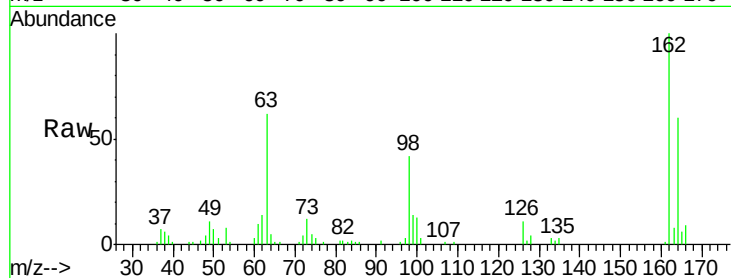




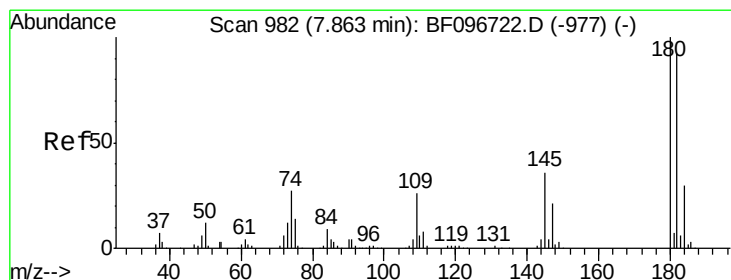
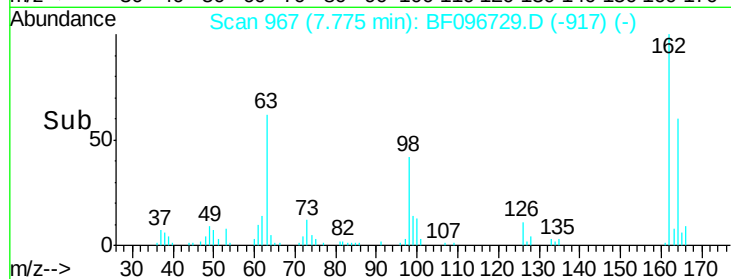
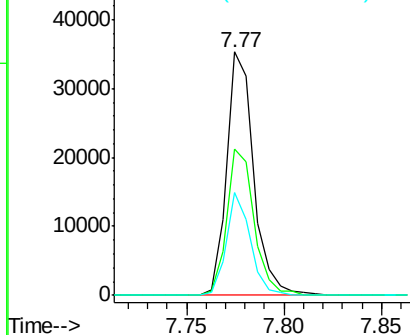
#29
 2,4-Dichlorophenol
 Concen: 5.25 ng
 RT: 7.77 min Scan# 967
 Delta R.T. -0.01 min
 Lab File: BF096729.D
 Acq: 13 Jul 2017 15:54

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

Tot Ion	162	Resp	33808
Ion Ratio	Lower	Upper	
162	100		
164	60.3	44.6	84.6
98	42.2	14.8	54.8

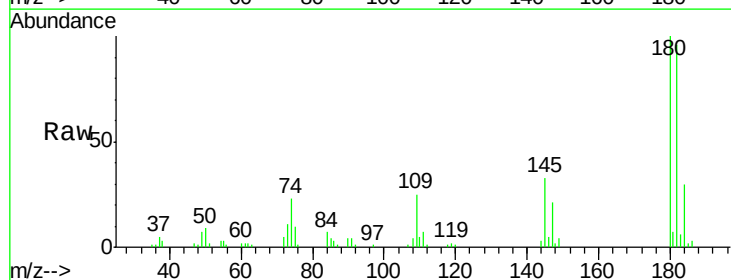


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

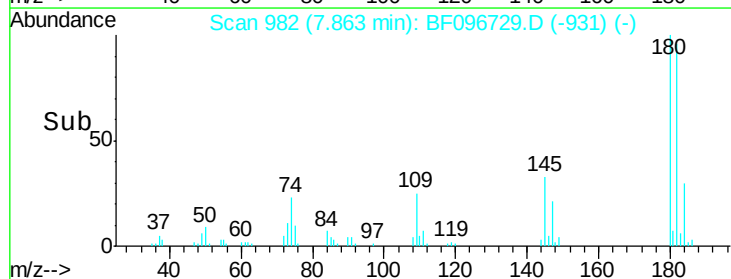
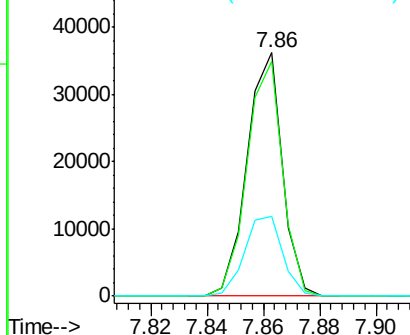


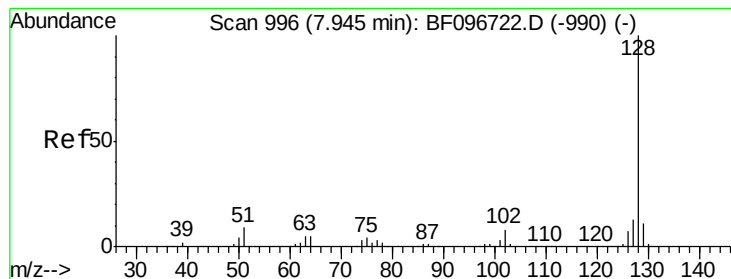
#30
 1,2,4-Trichlorobenzene
 Concen: 5.12 ng
 RT: 7.86 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: BF096729.D
 Acq: 13 Jul 2017 15:54

Tgt Ion	180	Resp	31331
Ion Ratio	Lower	Upper	
180	100		
182	96.2	75.8	113.6
145	33.0	25.3	37.9



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





#31

Naphthalene

Concen: 5.06 ng

RT: 7.94 min Scan# 995

Delta R.T. -0.01 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

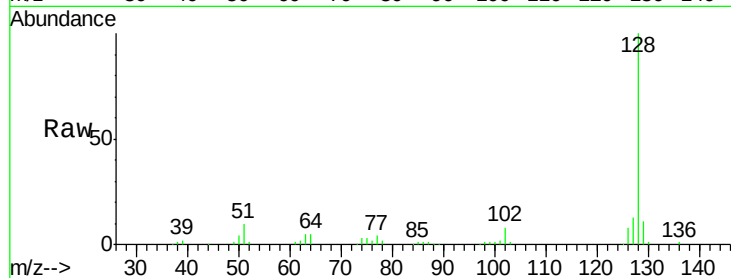
Tot Ion:128 Resp: 111568

Ion Ratio Lower Upper

128 100

129 10.7 9.0 13.6

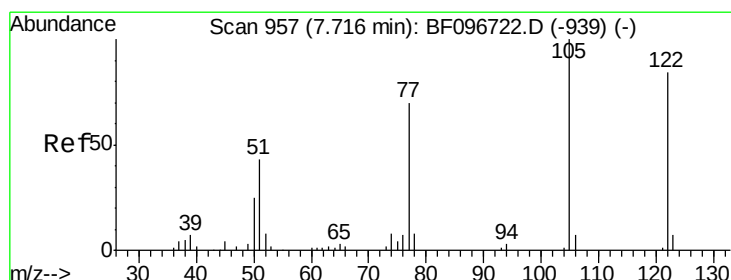
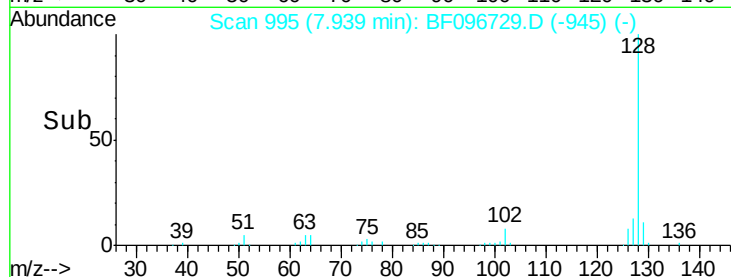
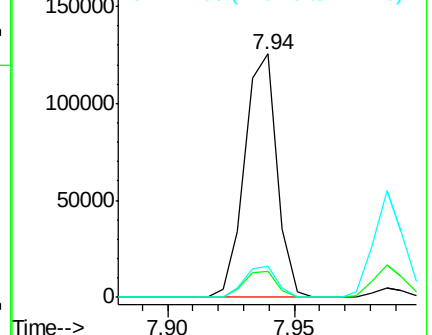
127 13.0 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 4.33 ng

RT: 7.65 min Scan# 945

Delta R.T. -0.07 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

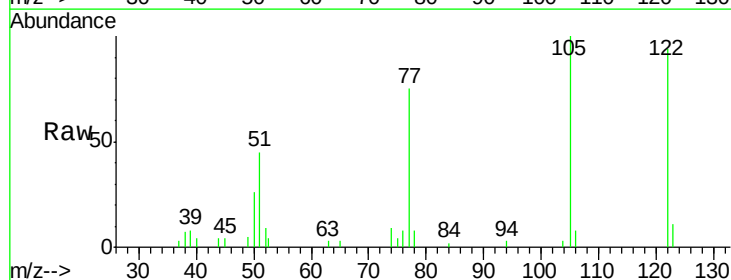
Tgt Ion:122 Resp: 19692

Ion Ratio Lower Upper

122 100

105 106.5 103.3 143.3

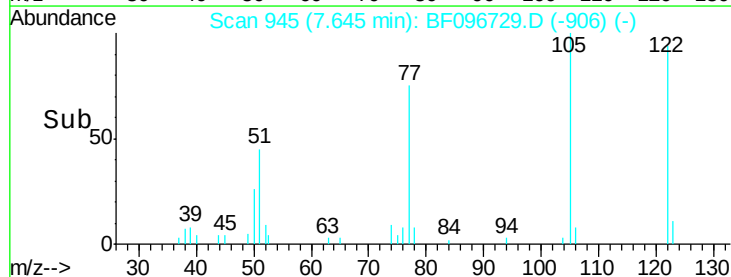
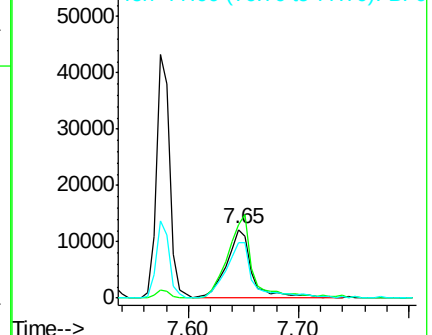
77 80.3 73.7 113.7

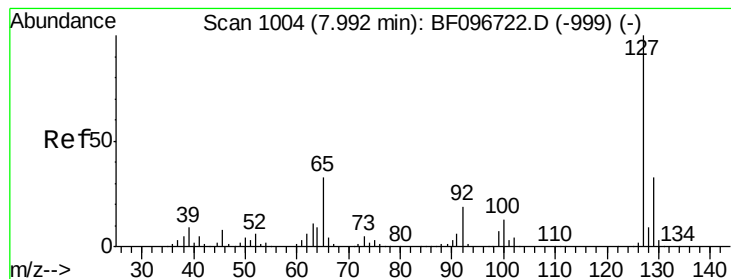


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 5.28 ng

RT: 7.99 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

Tot Ion:127 Resp: 46163

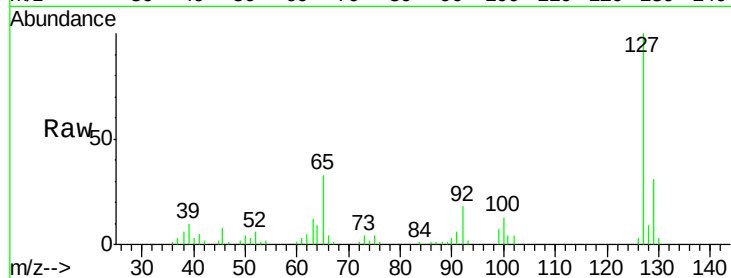
Ion Ratio Lower Upper

127 100

129 30.8 26.2 39.2

65 32.6 27.8 41.8

92 18.3 16.8 25.2

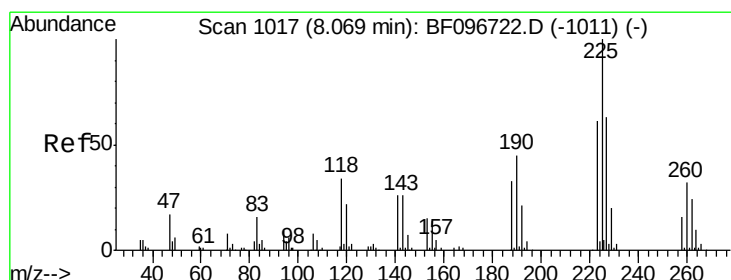
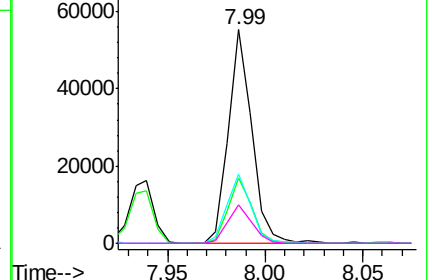
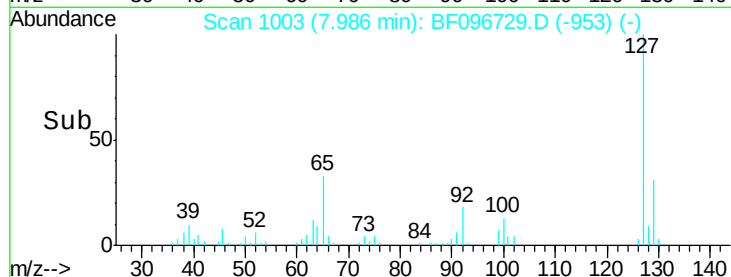


Abundance Ion 127.00 (126.70 to 127.70): E

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: 5.27 ng

RT: 8.06 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

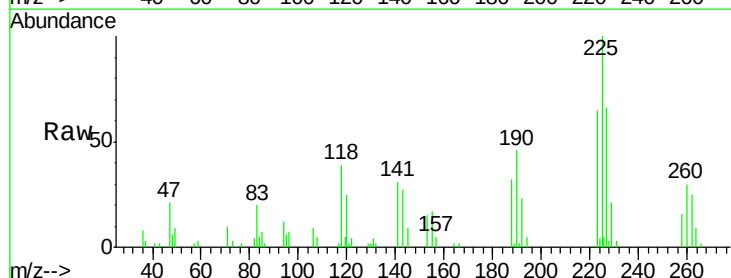
Tgt Ion:225 Resp: 17215

Ion Ratio Lower Upper

225 100

223 65.2 48.8 73.2

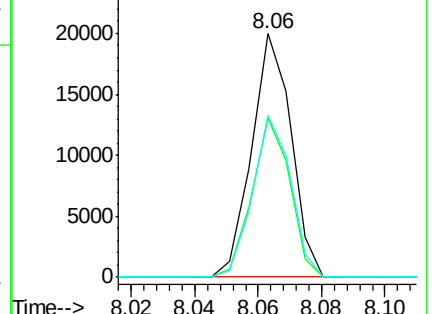
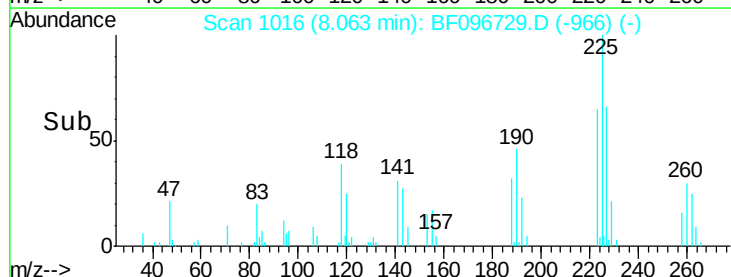
227 66.3 51.1 76.7

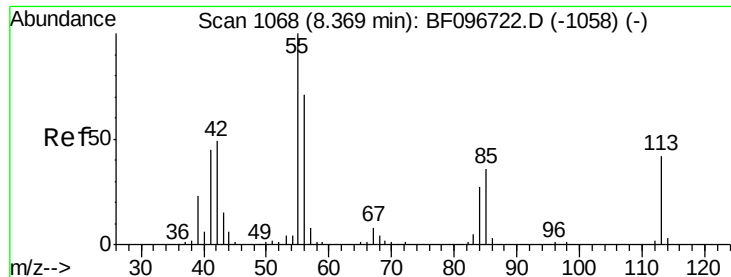


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 4.67 ng

RT: 8.32 min Scan# 1059

Delta R.T. -0.05 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

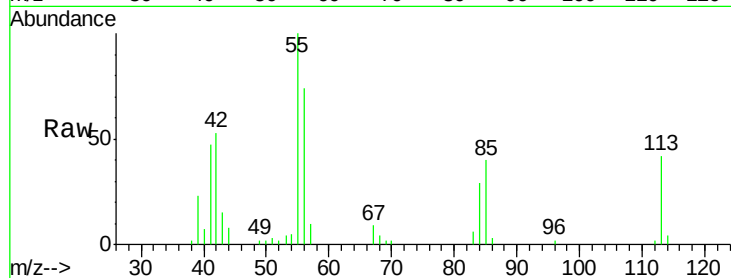
Tot Ion:113 Resp: 9623

Ion Ratio Lower Upper

113 100

55 235.4 150.2 190.2#

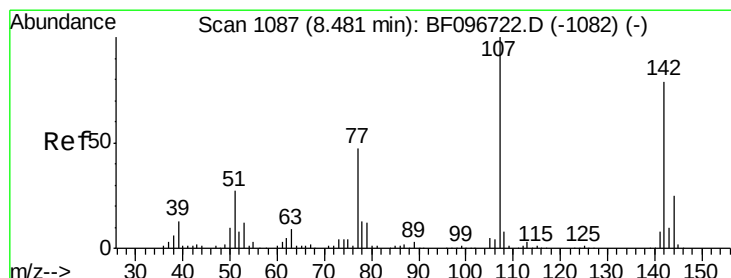
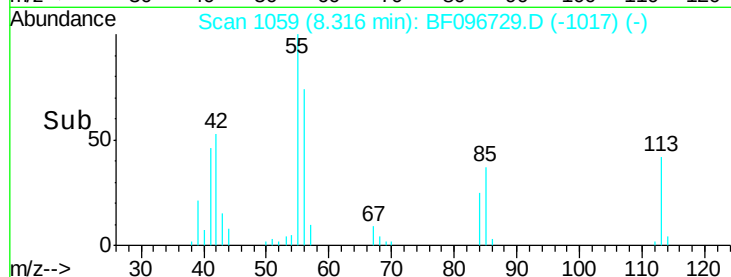
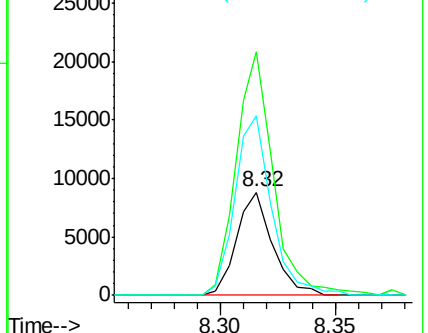
56 173.2 107.8 147.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 5.01 ng

RT: 8.47 min Scan# 1085

Delta R.T. -0.01 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

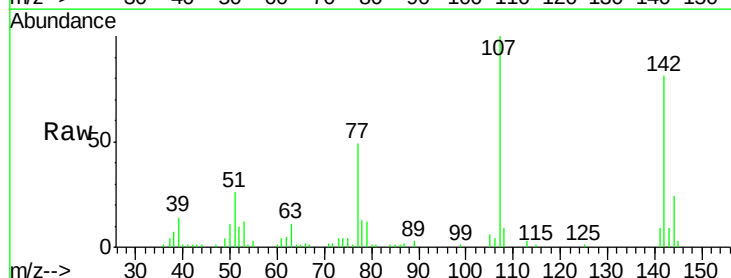
Tgt Ion:107 Resp: 34655

Ion Ratio Lower Upper

107 100

144 24.3 24.2 36.4

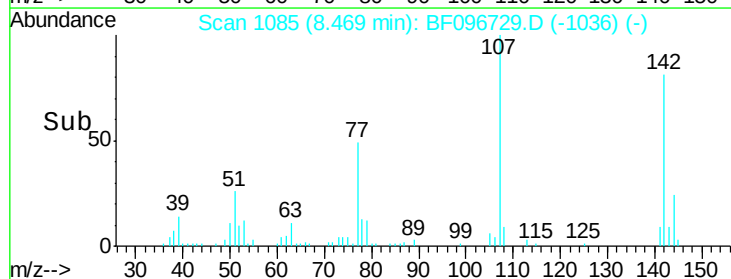
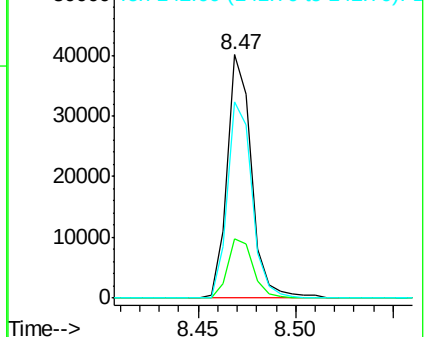
142 80.5 73.4 110.0

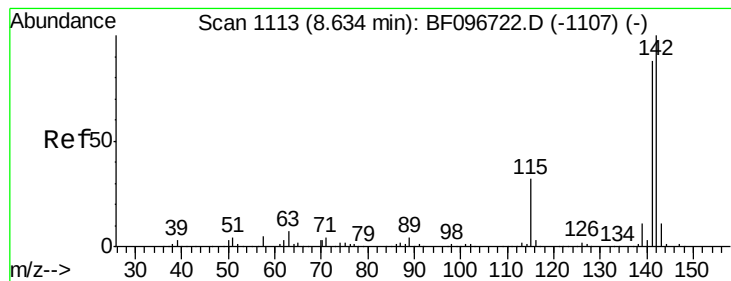


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 5.33 ng

RT: 8.63 min Scan# 1112

Delta R.T. -0.01 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

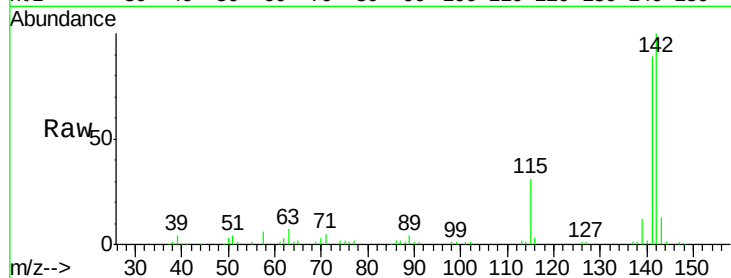
Tot Ion:142 Resp: 74920

Ion Ratio Lower Upper

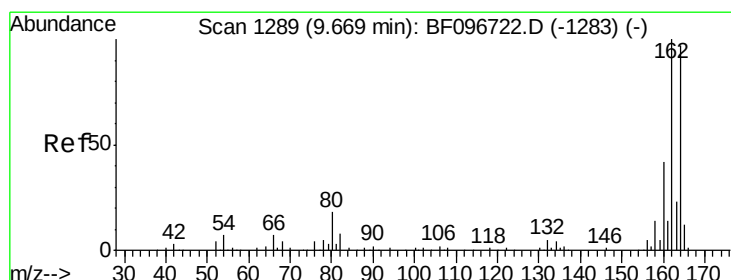
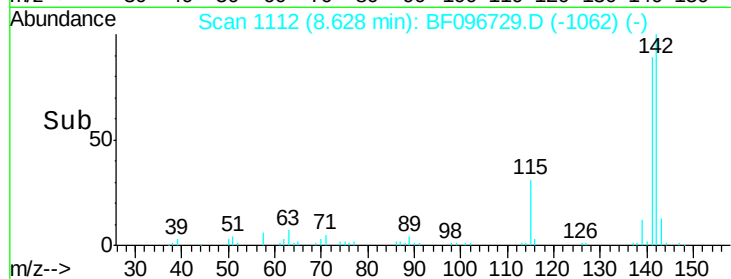
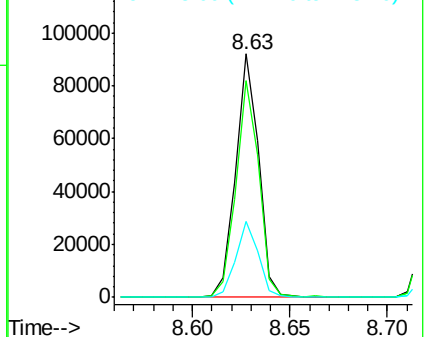
142 100

141 88.8 71.3 106.9

115 30.9 27.1 40.7



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: 9.66 min Scan# 1288

Delta R.T. -0.01 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

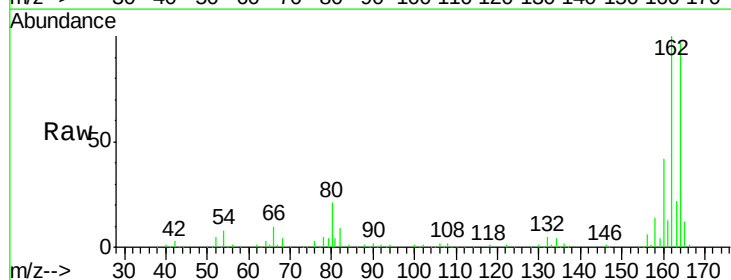
Tgt Ion:164 Resp: 208837

Ion Ratio Lower Upper

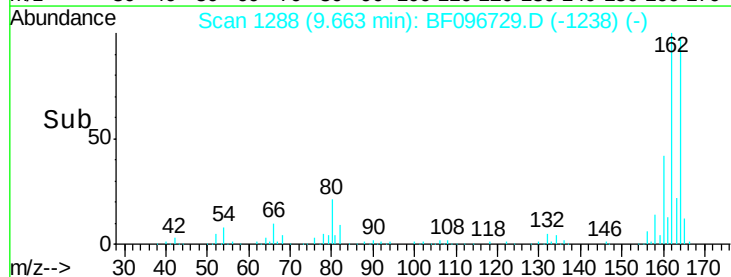
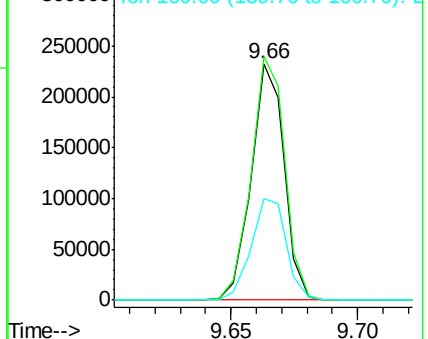
164 100

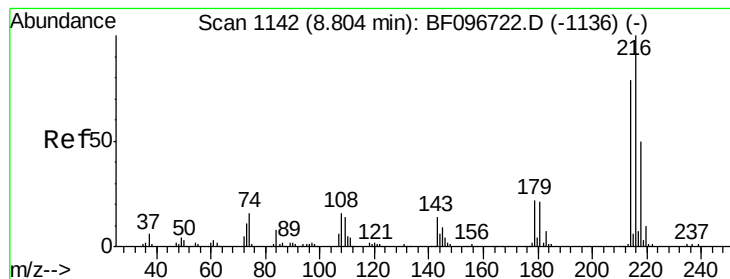
162 103.1 82.6 123.8

160 43.2 36.2 54.2



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: 5.36 ng

RT: 8.80 min Scan# 1141

Delta R.T. -0.01 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

Tot Ion:216 Resp: 30280

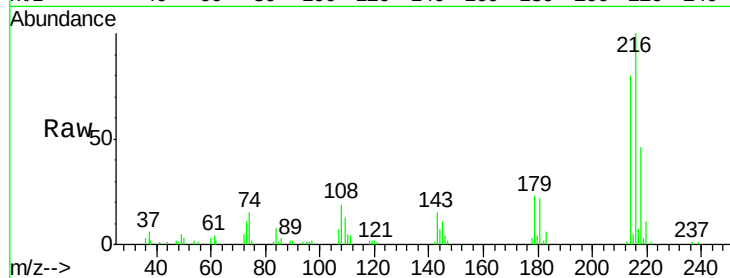
Ion Ratio Lower Upper

216 100

214 82.5 63.4 95.2

179 23.6 17.9 26.9

108 20.3 16.5 24.7



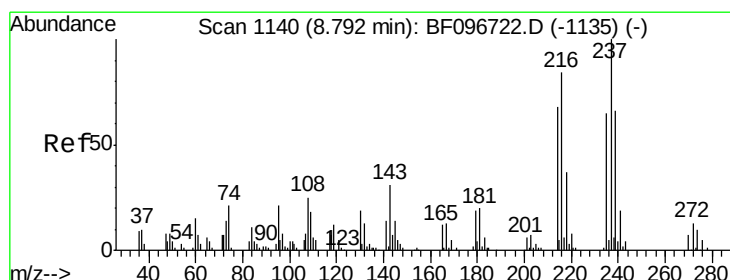
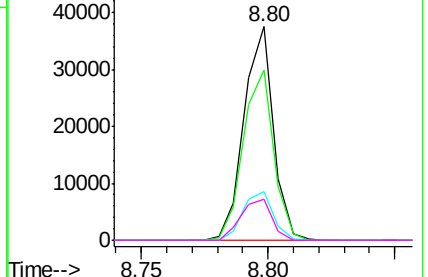
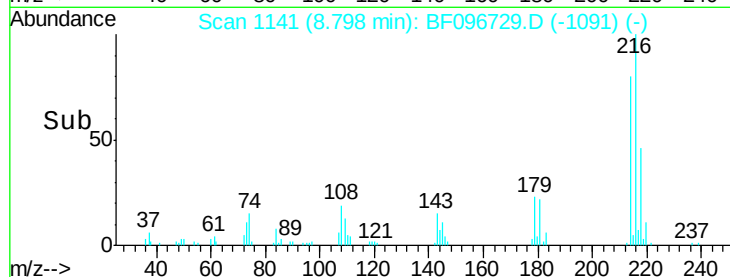
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E

Time-->



#40

Hexachlorocyclopentadiene

Concen: 7.00 ng

RT: 8.79 min Scan# 1139

Delta R.T. -0.01 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

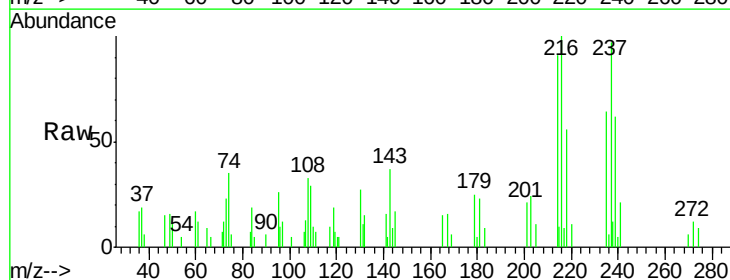
Tgt Ion:237 Resp: 4567

Ion Ratio Lower Upper

237 100

235 66.1 42.6 82.6

272 12.0 0.0 31.9

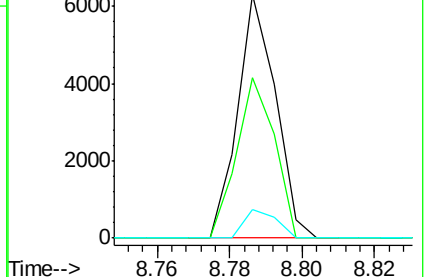
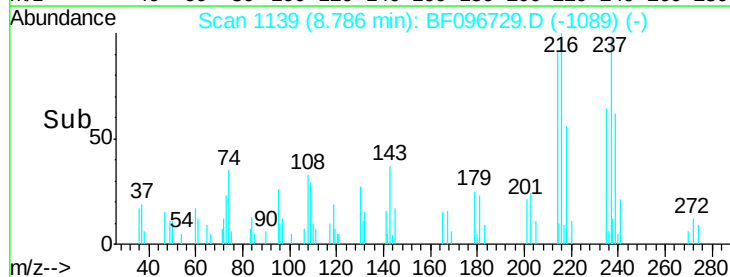


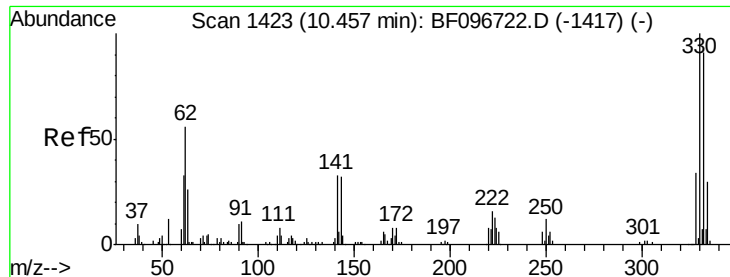
Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

Time-->

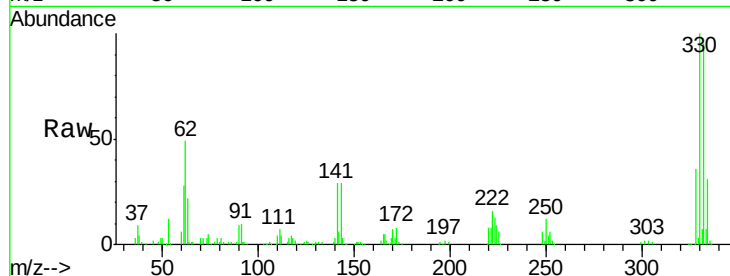




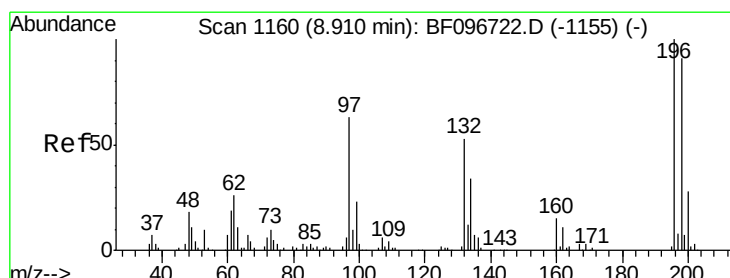
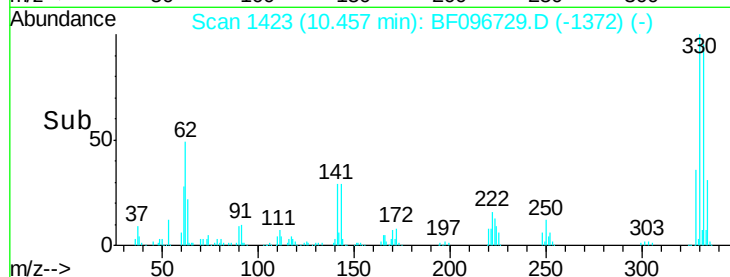
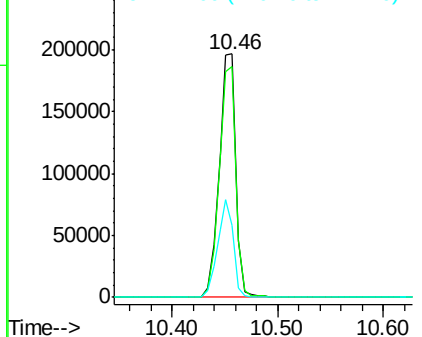
#41
 2,4,6-Tribromophenol
 Concen: 122.65 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. -0.00 min
 Lab File: BF096729.D
 Acq: 13 Jul 2017 15:54

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

Tot Ion:330 Resp: 218641
 Ion Ratio Lower Upper
 330 100
 332 94.8 76.6 115.0
 141 37.9 31.4 47.2

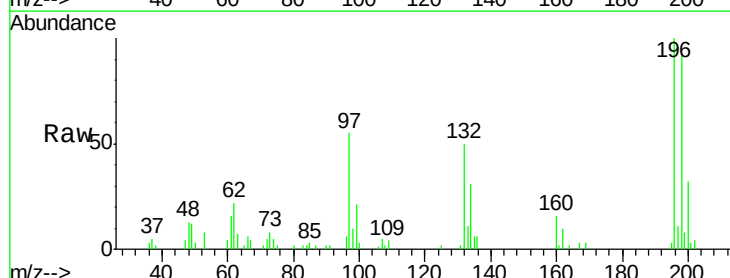


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

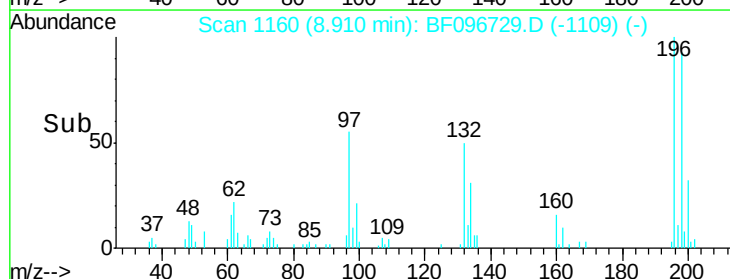
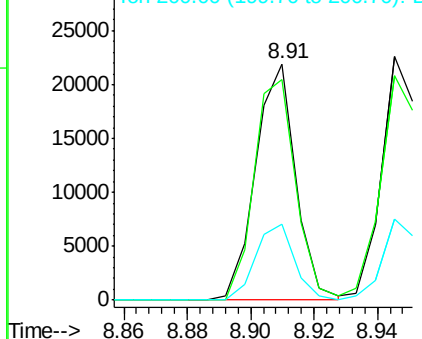


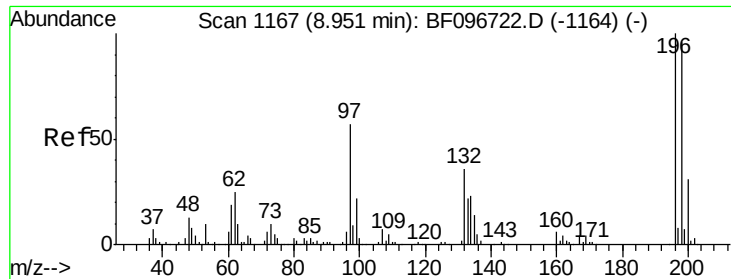
#42
 2,4,6-Trichlorophenol
 Concen: 4.63 ng
 RT: 8.91 min Scan# 1160
 Delta R.T. -0.00 min
 Lab File: BF096729.D
 Acq: 13 Jul 2017 15:54

Tgt Ion:196 Resp: 19270
 Ion Ratio Lower Upper
 196 100
 198 93.5 74.2 111.4
 200 32.2 24.0 36.0



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

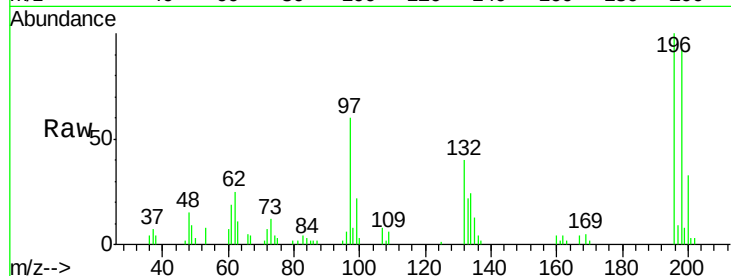




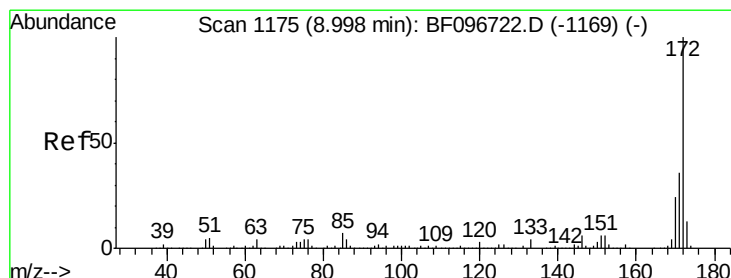
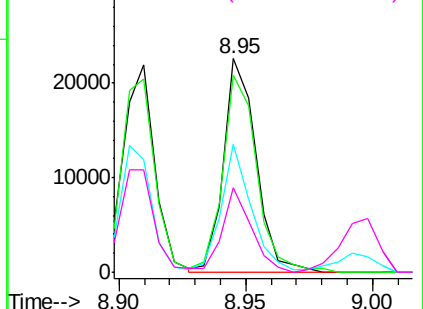
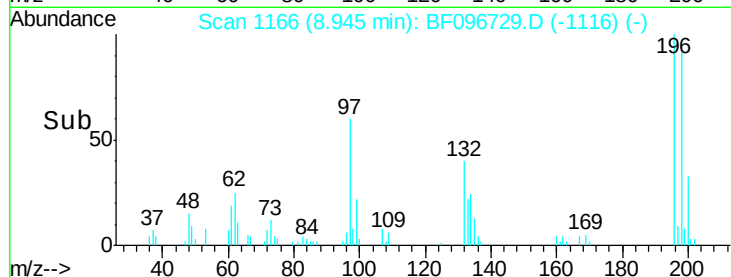
#43
 2,4,5-Trichlorophenol
 Concen: 4.80 ng
 RT: 8.95 min Scan# 1166
 Delta R.T. -0.01 min
 Lab File: BF096729.D
 Acq: 13 Jul 2017 15:54

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

Tot Ion:196	Resp:	20163
Ion Ratio	Lower	Upper
196	100	
198	92.4	75.7 113.5
97	59.7	47.7 71.5
132	39.6	28.0 42.0

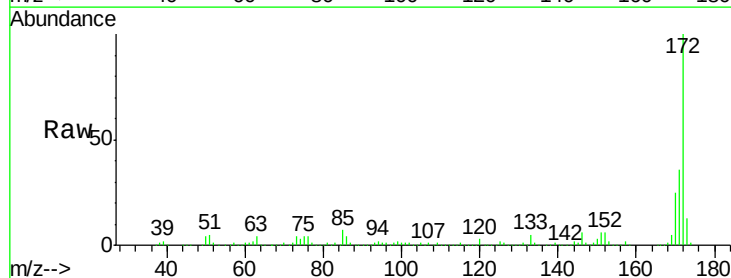


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

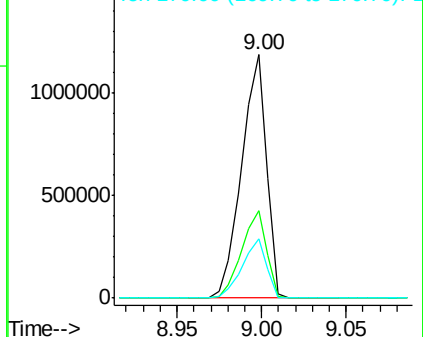
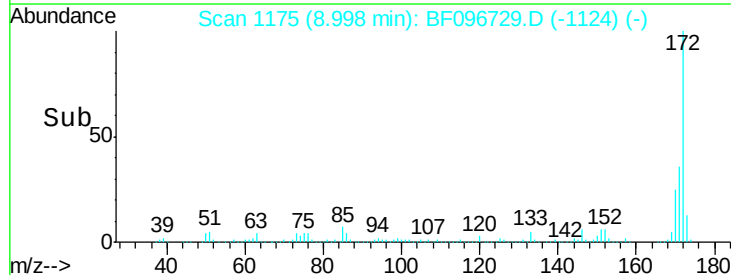


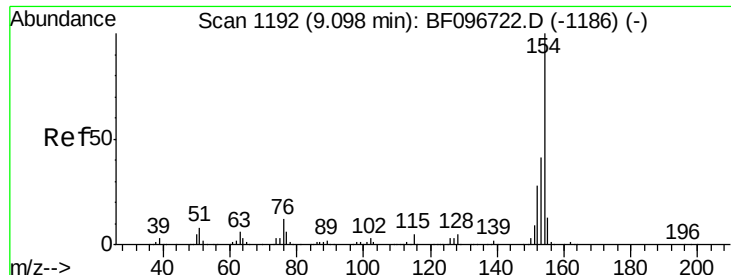
#44
 2-Fluorobiphenyl
 Concen: 92.26 ng
 RT: 9.00 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: BF096729.D
 Acq: 13 Jul 2017 15:54

Tgt Ion:172	Resp:	1219479
Ion Ratio	Lower	Upper
172	100	
171	36.1	29.6 44.4
170	24.6	19.8 29.8



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

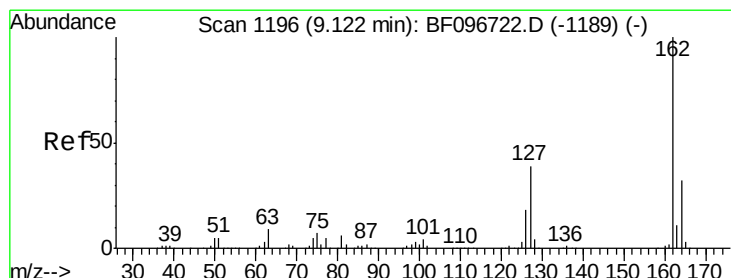
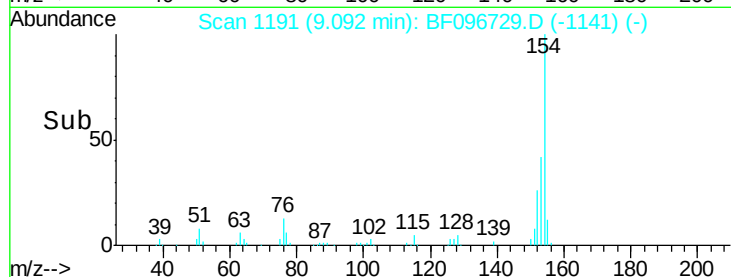
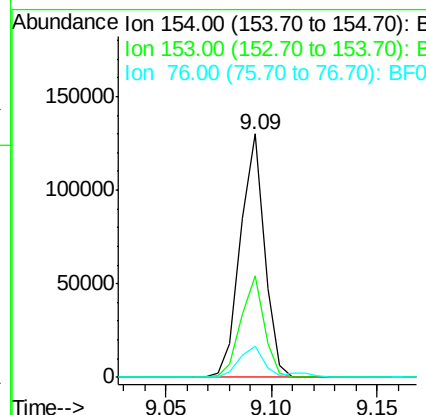
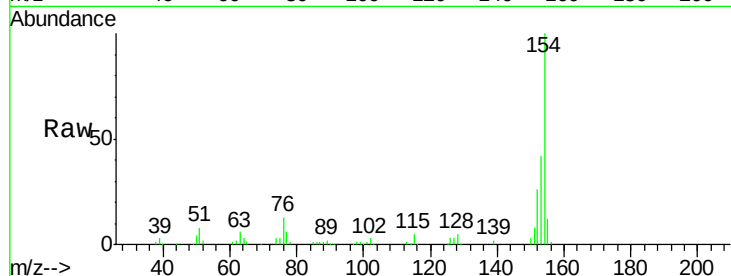




#45
 1,1'-Biphenyl
 Concen: 5.70 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: BF096729.D
 Acq: 13 Jul 2017 15:54

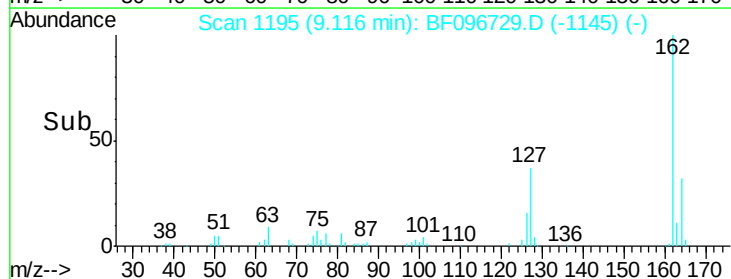
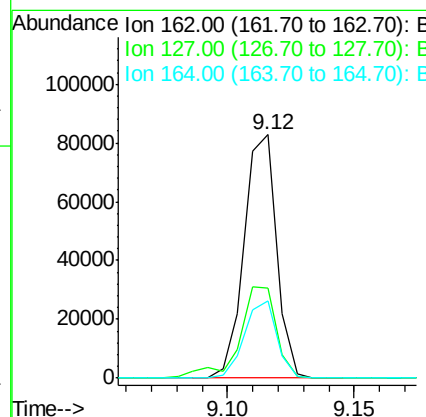
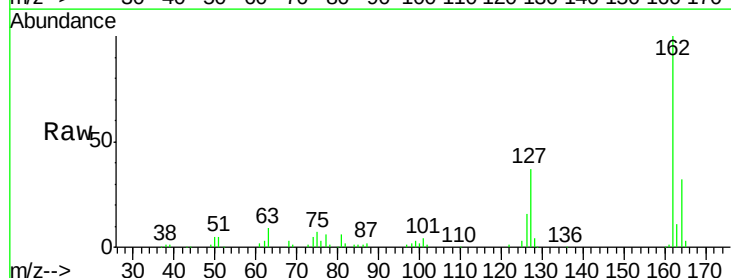
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

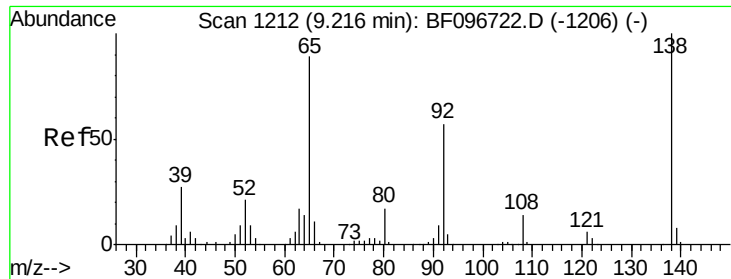
Tot Ion	Ratio	Lower	Upper
154	100		
153	41.8	21.2	61.2
76	12.6	0.0	29.9



#46
 2-Chloronaphthalene
 Concen: 5.59 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.01 min
 Lab File: BF096729.D
 Acq: 13 Jul 2017 15:54

Tgt Ion	Ratio	Lower	Upper
162	100		
127	37.2	28.3	42.5
164	31.6	27.0	40.4

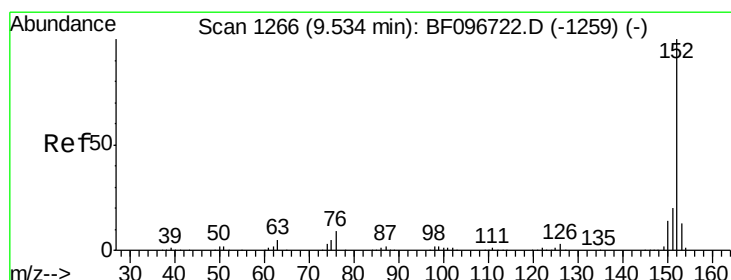
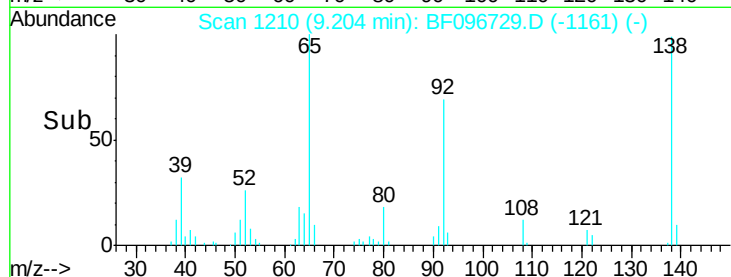
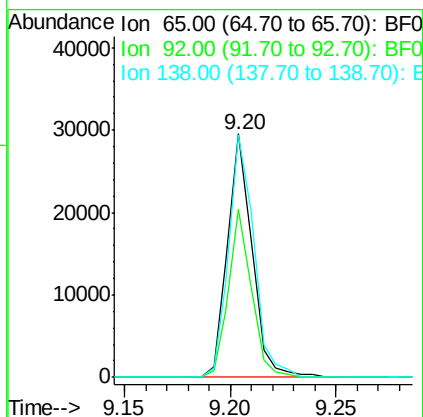
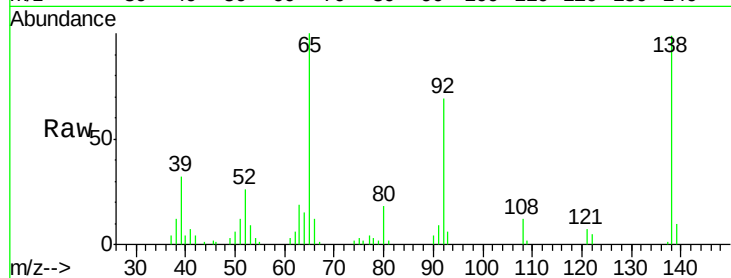




#47
2-Nitroaniline
Concen: 5.24 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF096729.D
Acq: 13 Jul 2017 15:54

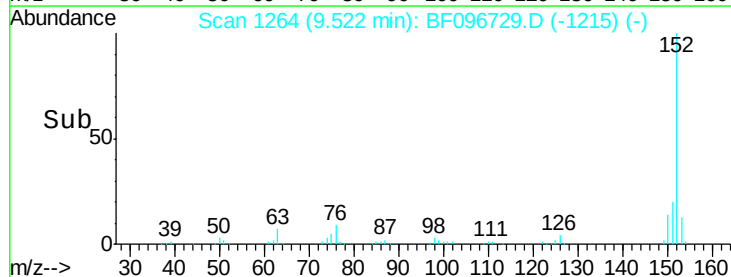
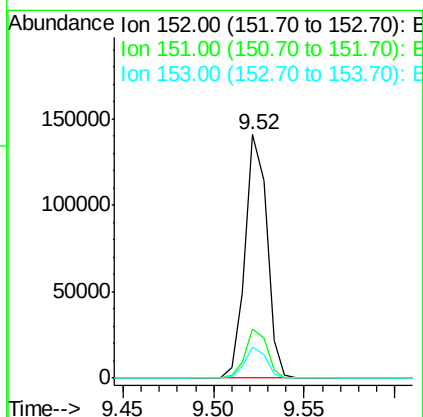
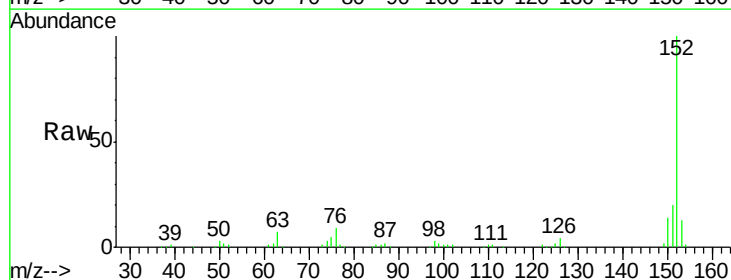
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT3-2017

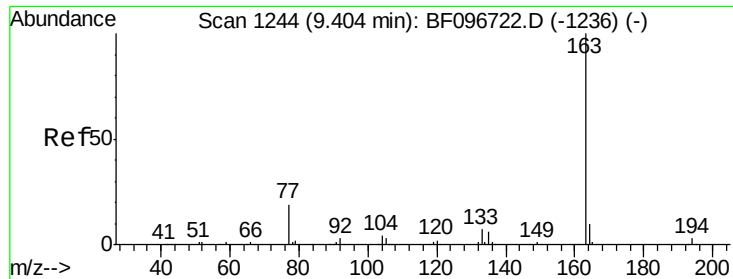
Tot Ion: 65 Resp: 23760
Ion Ratio Lower Upper
65 100
92 69.1 53.9 80.9
138 99.5 78.8 118.2



#48
Acenaphthylene
Concen: 5.64 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BF096729.D
Acq: 13 Jul 2017 15:54

Tgt Ion: 152 Resp: 118606
Ion Ratio Lower Upper
152 100
151 20.2 16.8 25.2
153 12.8 10.8 16.2

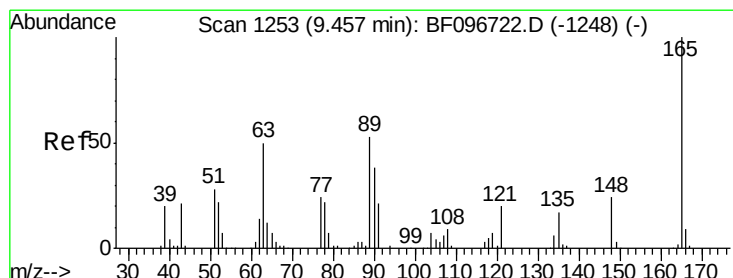
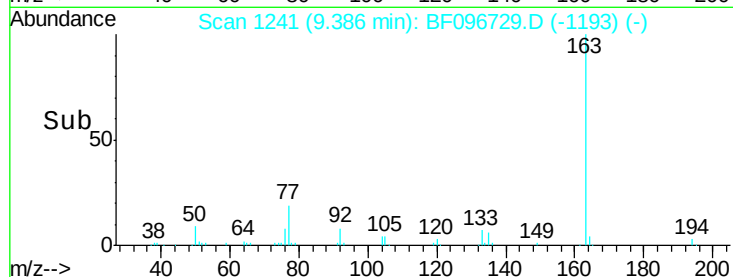
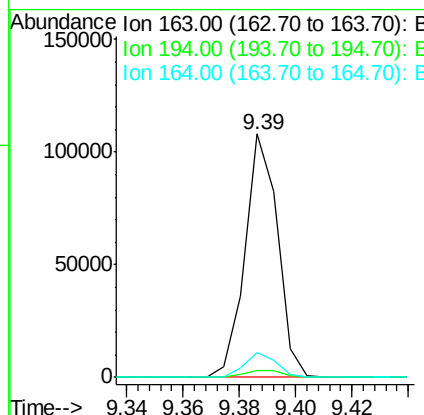
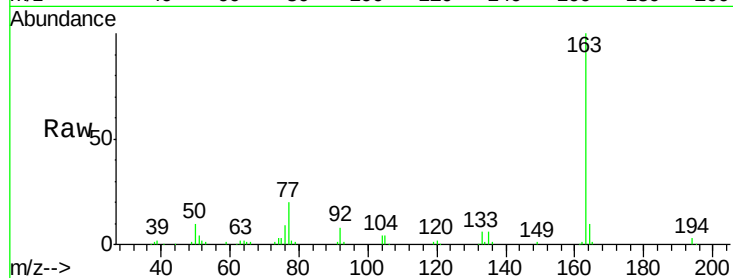




#49
Dimethylphthalate
Concen: 5.49 ng
RT: 9.39 min Scan# 1241
Delta R.T. -0.02 min
Lab File: BF096729.D
Acq: 13 Jul 2017 15:54

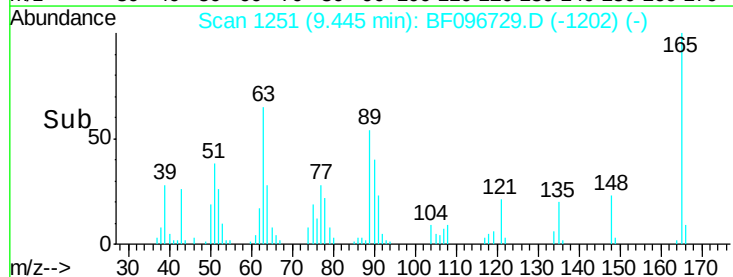
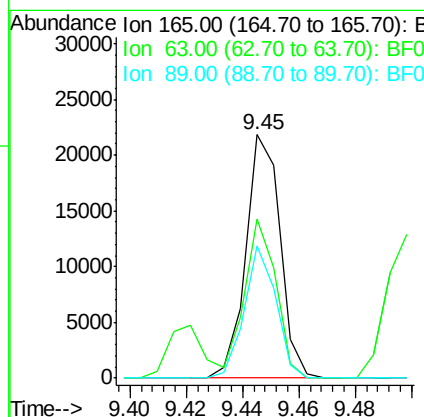
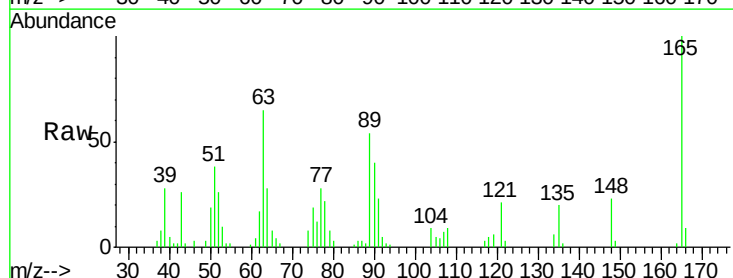
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT3-2017

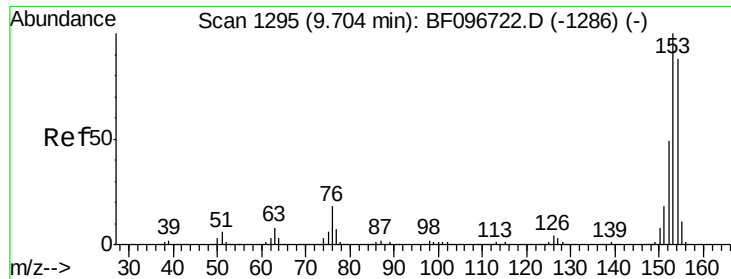
Tot Ion:163 Resp: 86339
Ion Ratio Lower Upper
163 100
194 3.0 2.6 4.0
164 10.4 8.4 12.6



#50
2,6-Dinitrotoluene
Concen: 5.39 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.01 min
Lab File: BF096729.D
Acq: 13 Jul 2017 15:54

Tgt Ion:165 Resp: 18354
Ion Ratio Lower Upper
165 100
63 65.3 34.3 51.5#
89 54.3 37.1 55.7





#51

Acenaphthene

Concen: 5.60 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

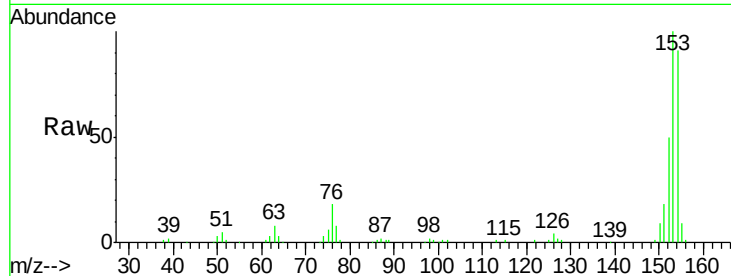
Tot Ion:154 Resp: 69483

Ion Ratio Lower Upper

154 100

153 110.2 90.5 135.7

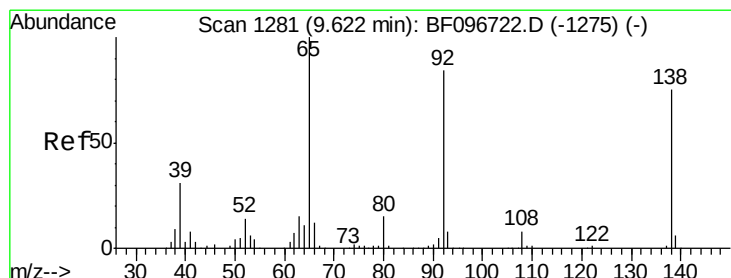
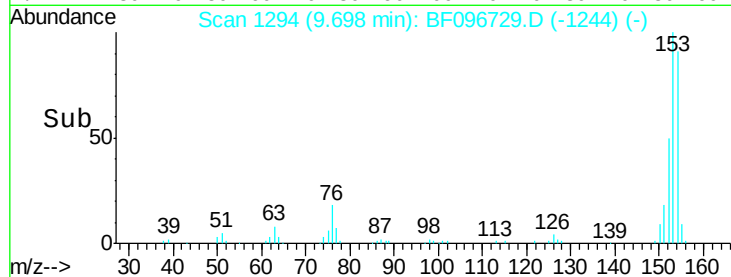
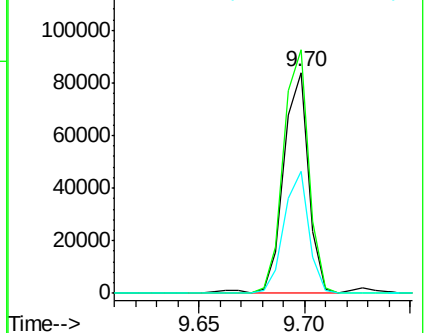
152 55.0 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 5.00 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.01 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

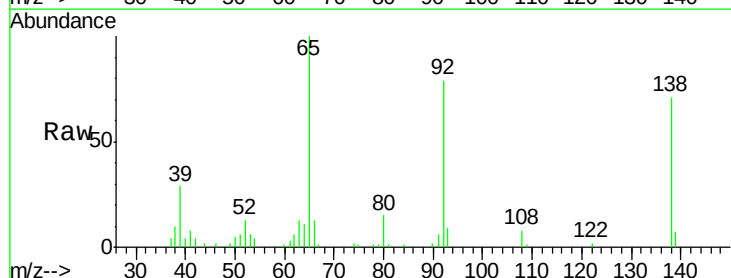
Tgt Ion:138 Resp: 20155

Ion Ratio Lower Upper

138 100

108 10.7 9.1 13.7

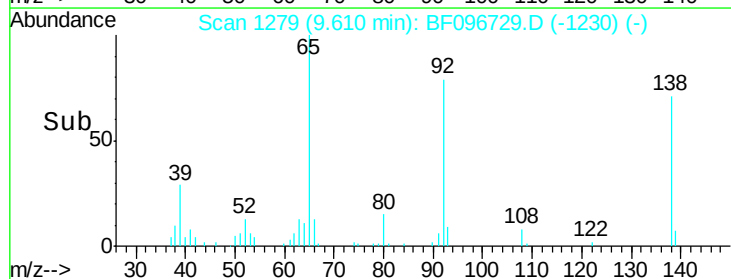
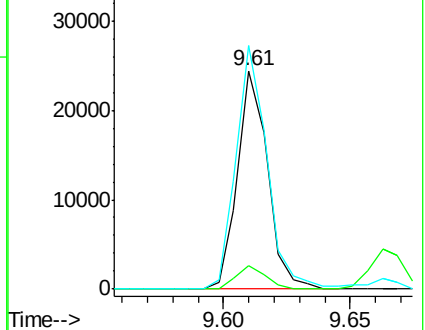
92 111.4 93.8 140.6

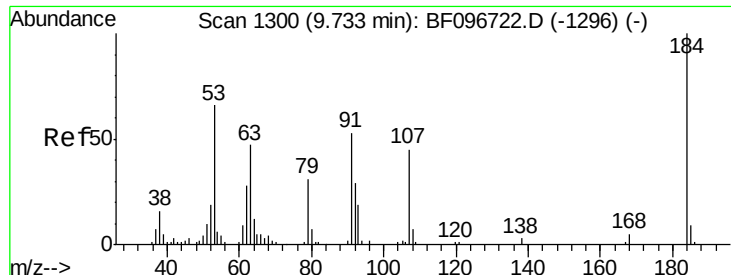


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

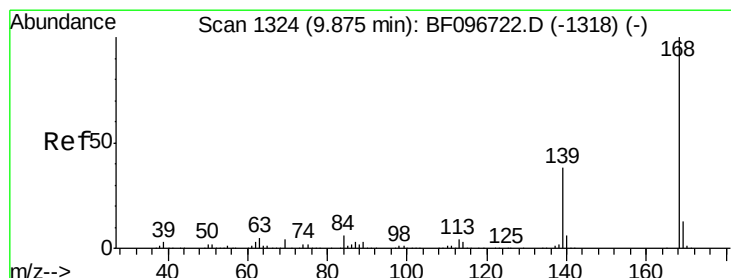
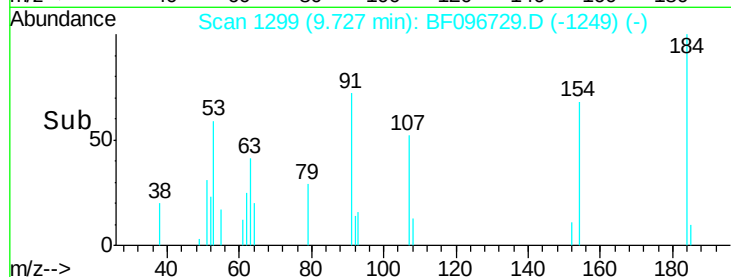
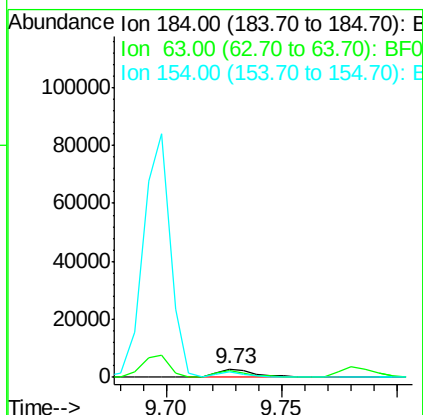
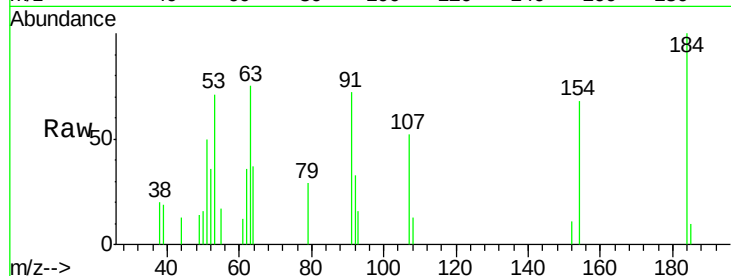




#53
 2,4-Dinitrophenol
 Concen: 8.60 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. -0.01 min
 Lab File: BF096729.D
 Acq: 13 Jul 2017 15:54

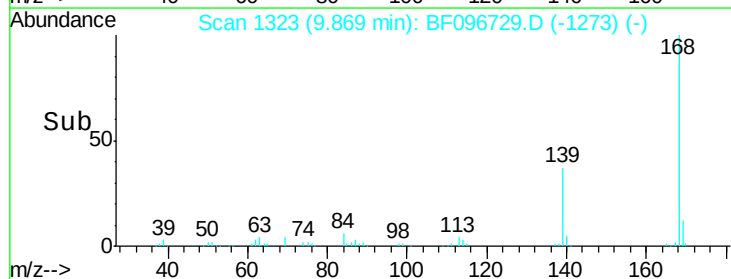
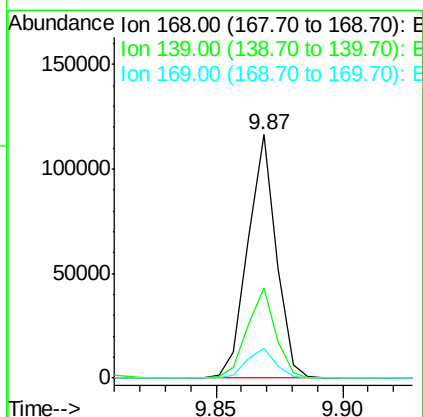
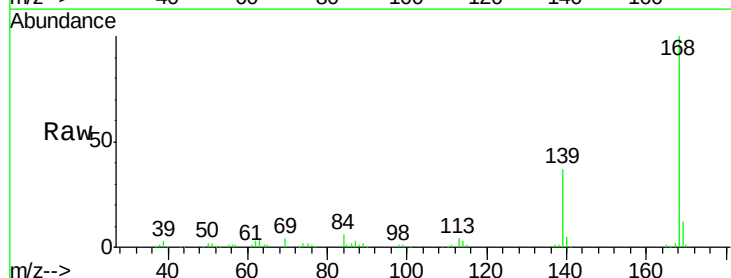
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

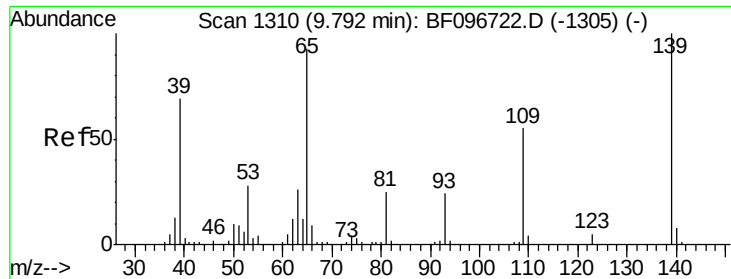
Tot Ion:184 Resp: 3423
 Ion Ratio Lower Upper
 184 100
 63 75.2 62.7 94.1
 154 68.1 81.1 121.7#



#54
 Dibenzofuran
 Concen: 5.21 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: BF096729.D
 Acq: 13 Jul 2017 15:54

Tgt Ion:168 Resp: 90710
 Ion Ratio Lower Upper
 168 100
 139 37.2 30.6 45.8
 169 12.4 10.8 16.2

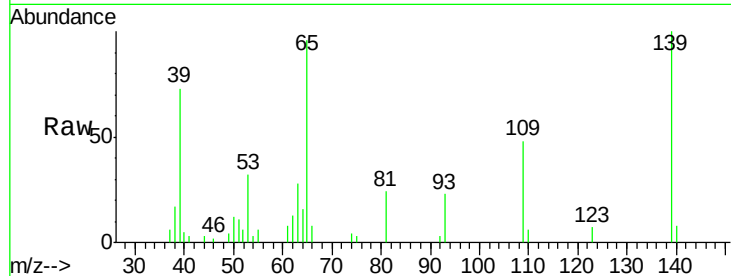




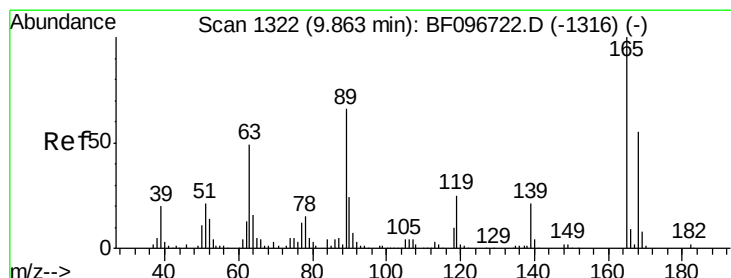
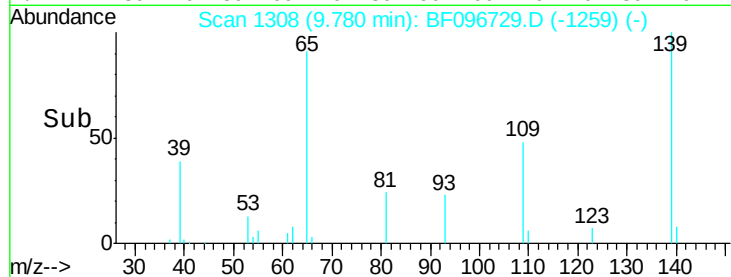
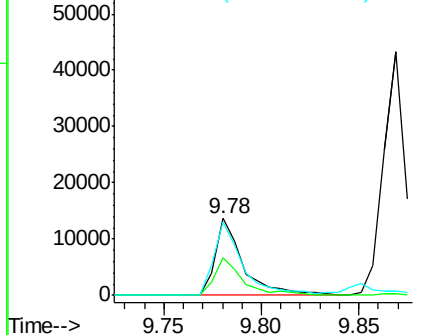
#55
4-Nitrophenol
Concen: 4.57 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF096729.D
Acq: 13 Jul 2017 15:54

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT3-2017

Tot Ion:139 Resp: 13460
Ion Ratio Lower Upper
139 100
109 48.4 34.1 74.1
65 96.2 31.4 71.4#

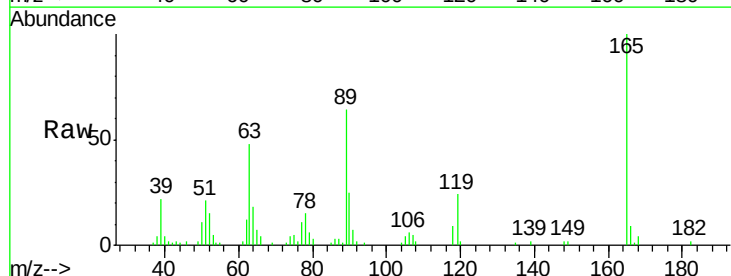


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

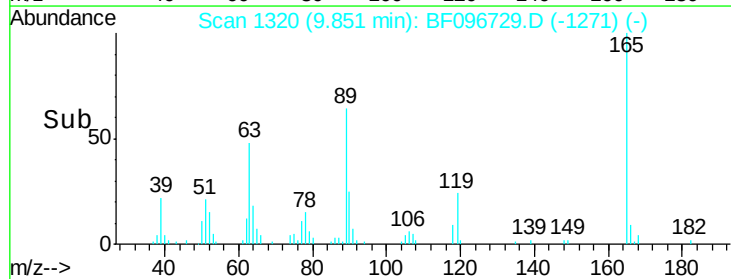
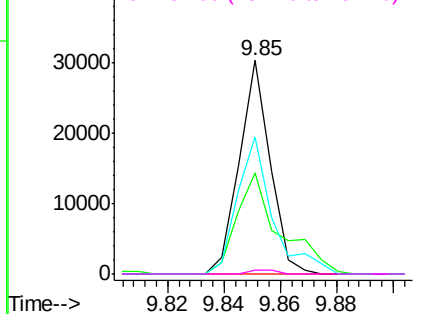


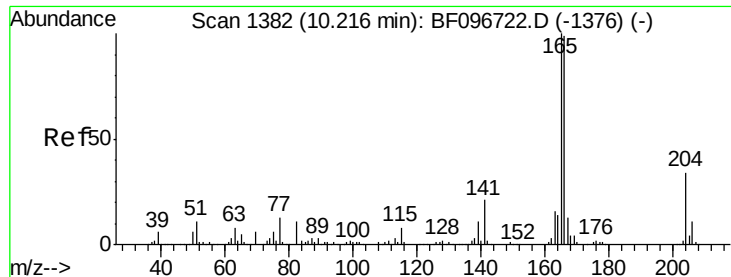
#56
2,4-Dinitrotoluene
Concen: 5.23 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF096729.D
Acq: 13 Jul 2017 15:54

Tgt Ion:165 Resp: 22903
Ion Ratio Lower Upper
165 100
63 47.6 25.4 38.0#
89 64.1 46.4 69.6
182 2.1 1.8 2.6



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: 6.09 ng

RT: 10.21 min Scan# 1381

Delta R.T. -0.01 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

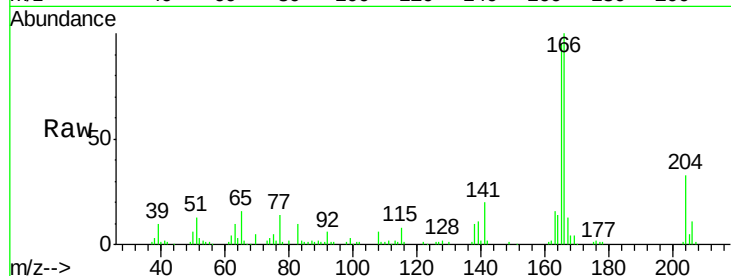
Tot Ion:166 Resp: 78267

Ion Ratio Lower Upper

166 100

165 94.8 78.8 118.2

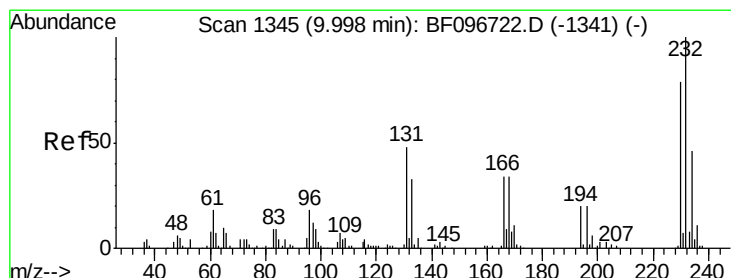
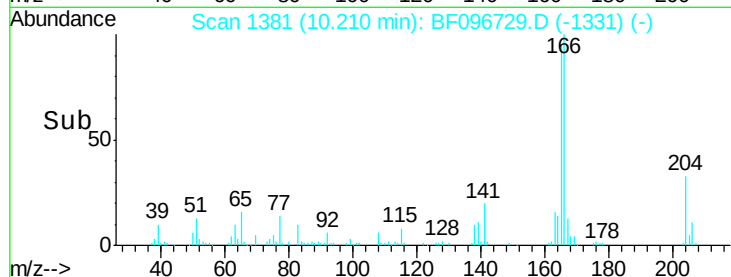
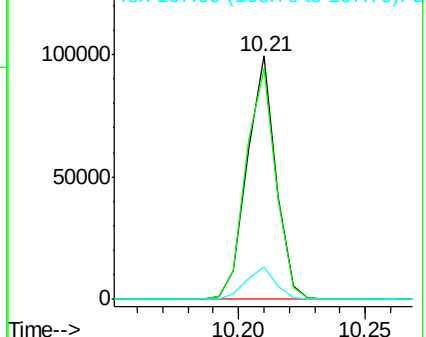
167 13.5 10.6 16.0



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: 5.15 ng

RT: 9.99 min Scan# 1344

Delta R.T. -0.01 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

Tgt Ion:232 Resp: 15004

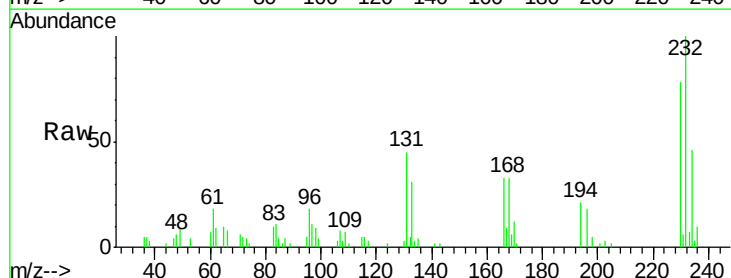
Ion Ratio Lower Upper

232 100

131 49.1 44.8 67.2

130 2.1 2.3 3.5#

166 33.7 29.0 43.4

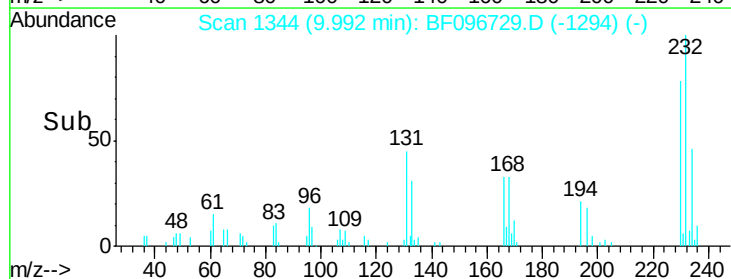
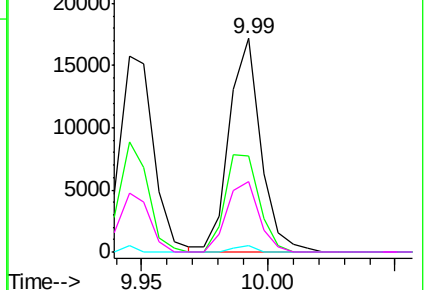


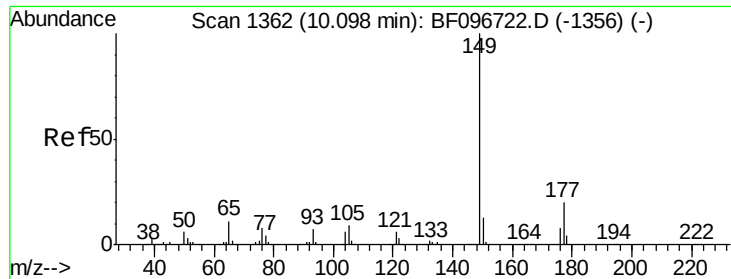
Abundance Ion 232.00 (231.70 to 232.70): E

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

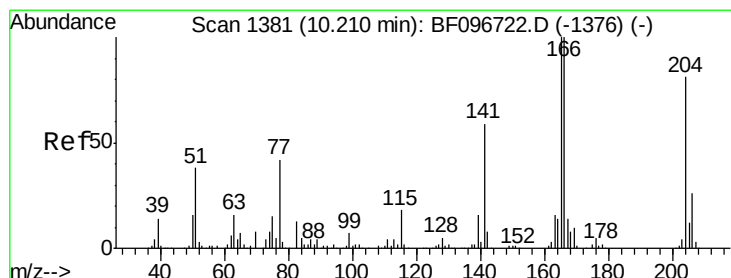
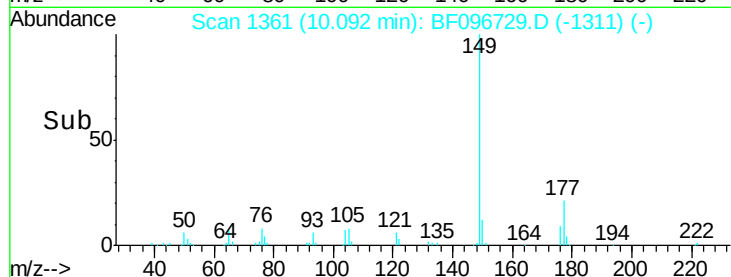
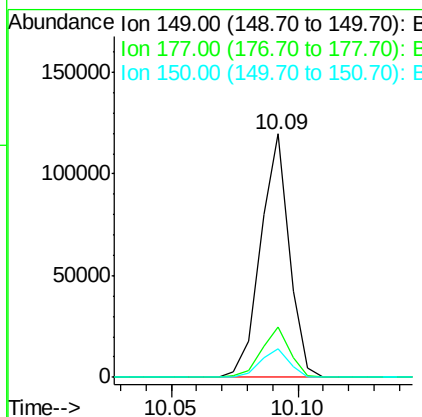
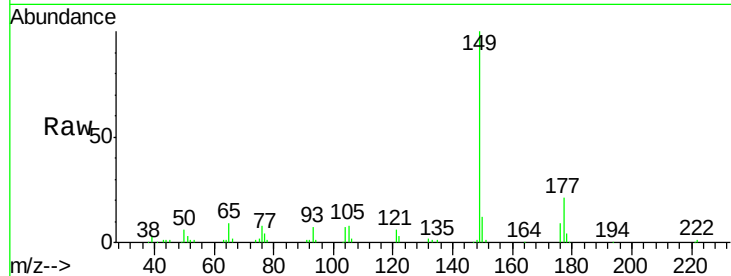




#59
Diethylphthalate
Concen: 6.16 ng
RT: 10.09 min Scan# 1361
Delta R.T. -0.01 min
Lab File: BF096729.D
Acq: 13 Jul 2017 15:54

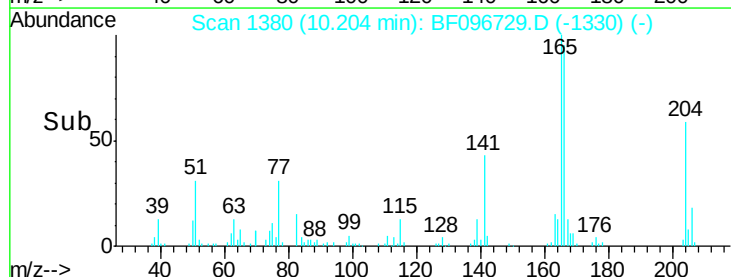
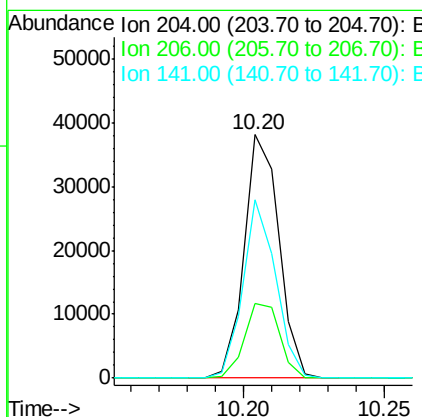
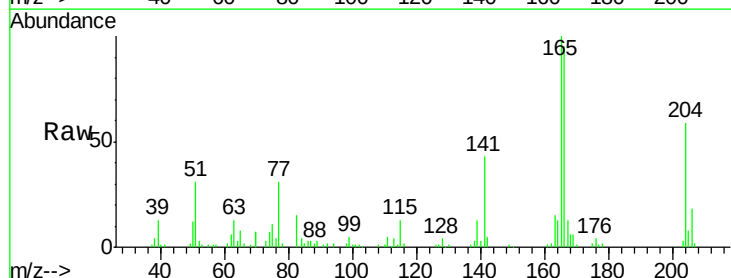
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT3-2017

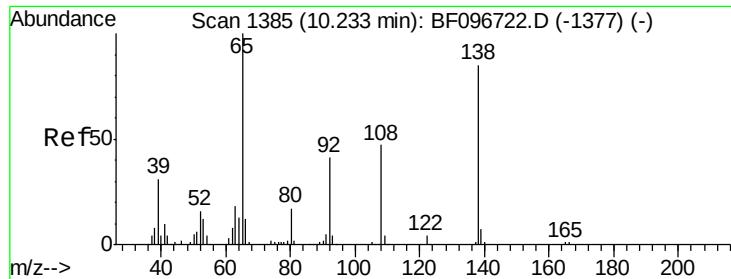
Tot Ion:149 Resp: 94294
Ion Ratio Lower Upper
149 100
177 20.7 16.7 25.1
150 11.8 10.2 15.2



#60
4-Chlorophenyl-phenylether
Concen: 4.34 ng
RT: 10.20 min Scan# 1380
Delta R.T. -0.01 min
Lab File: BF096729.D
Acq: 13 Jul 2017 15:54

Tgt Ion:204 Resp: 32561
Ion Ratio Lower Upper
204 100
206 30.6 26.2 39.2
141 73.5 60.8 91.2

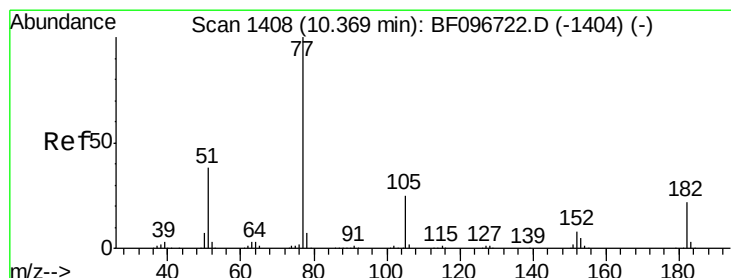
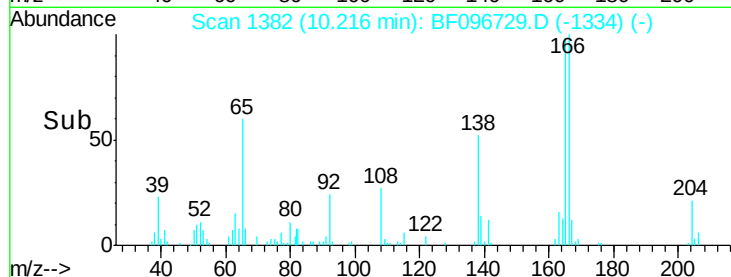
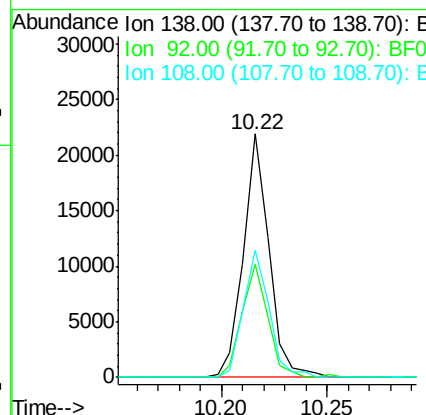
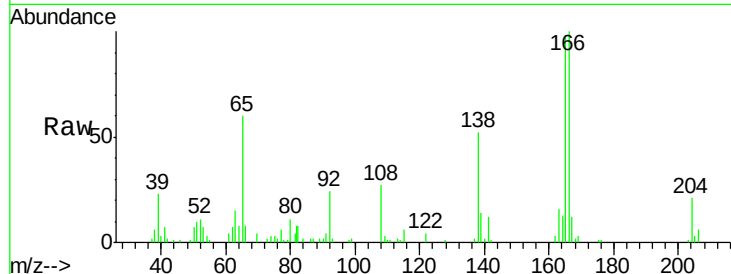




#61
4-Nitroaniline
Concen: 4.85 ng
RT: 10.22 min Scan# 1382
Delta R.T. -0.02 min
Lab File: BF096729.D
Acq: 13 Jul 2017 15:54

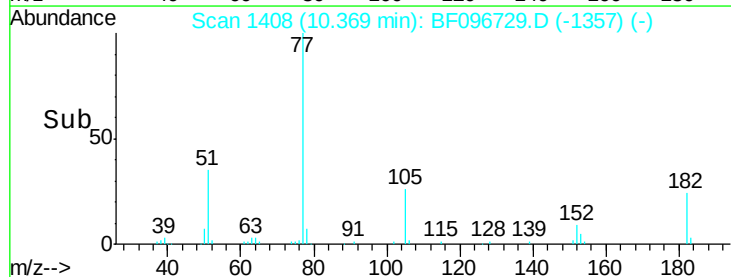
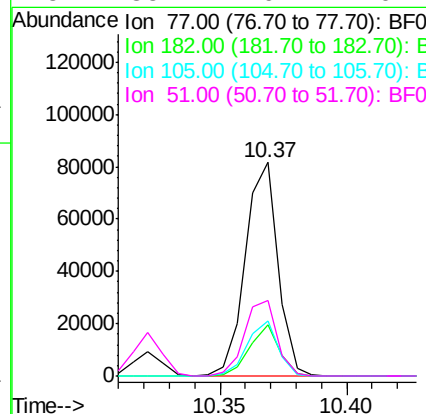
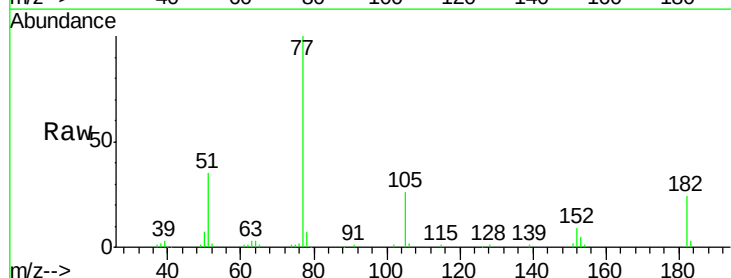
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT3-2017

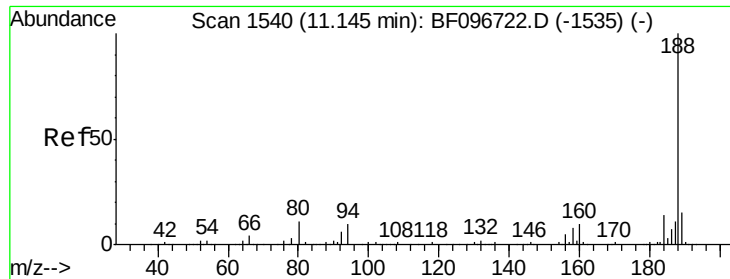
Tot Ion:138 Resp: 18381
Ion Ratio Lower Upper
138 100
92 46.4 21.8 61.8
108 52.2 42.3 82.3



#62
Azobenzene
Concen: 5.39 ng
RT: 10.37 min Scan# 1408
Delta R.T. -0.00 min
Lab File: BF096729.D
Acq: 13 Jul 2017 15:54

Tgt Ion: 77 Resp: 72800
Ion Ratio Lower Upper
77 100
182 24.3 0.1 40.1
105 26.0 3.6 43.6
51 35.2 9.4 49.4

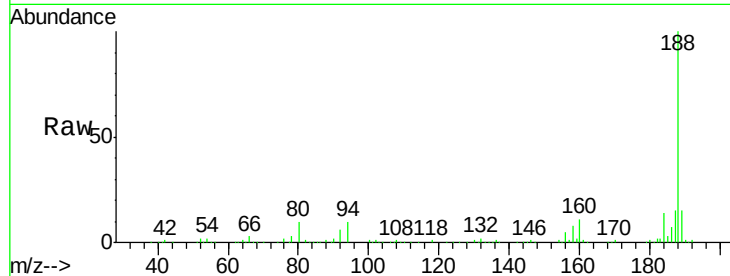




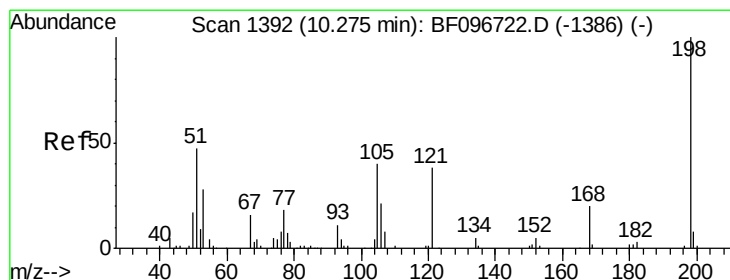
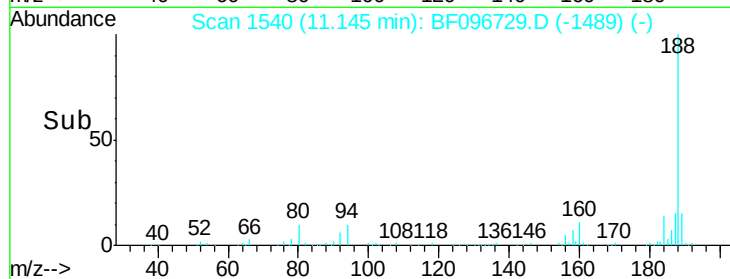
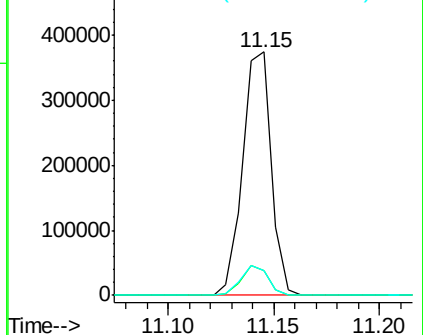
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.15 min Scan# 1540
Delta R.T. -0.00 min
Lab File: BF096729.D
Acq: 13 Jul 2017 15:54

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT3-2017

Tot Ion:188 Resp: 351532
Ion Ratio Lower Upper
188 100
94 10.2 9.4 14.2
80 10.0 10.2 15.2#

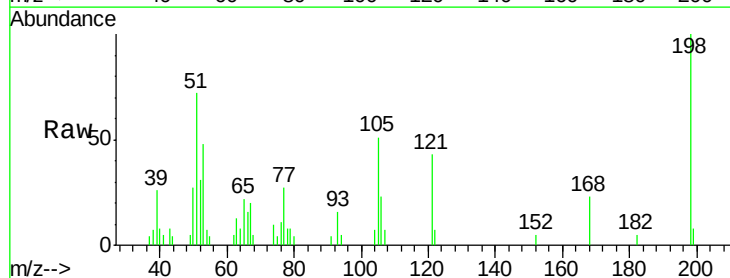


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

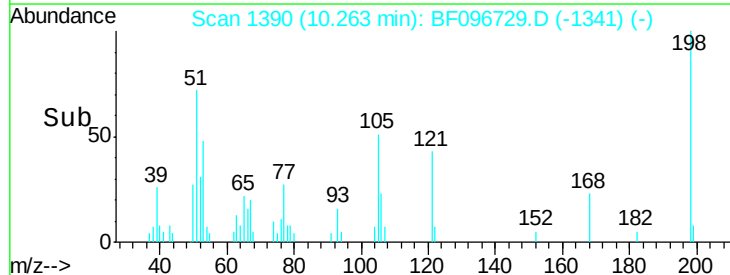
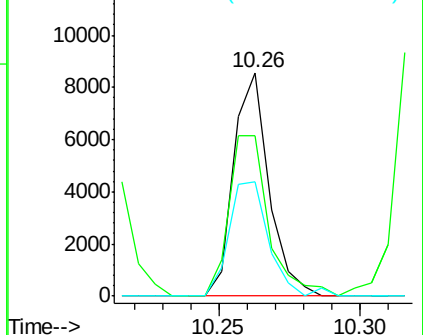


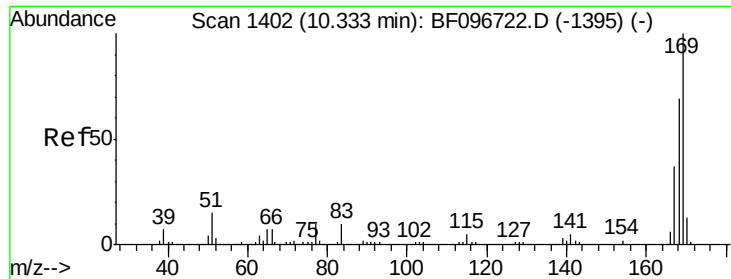
#64
4,6-Dinitro-2-methylphenol
Concen: 3.36 ng
RT: 10.26 min Scan# 1390
Delta R.T. -0.01 min
Lab File: BF096729.D
Acq: 13 Jul 2017 15:54

Tgt Ion:198 Resp: 7419
Ion Ratio Lower Upper
198 100
51 72.0 53.2 93.2
105 51.1 45.8 85.8



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

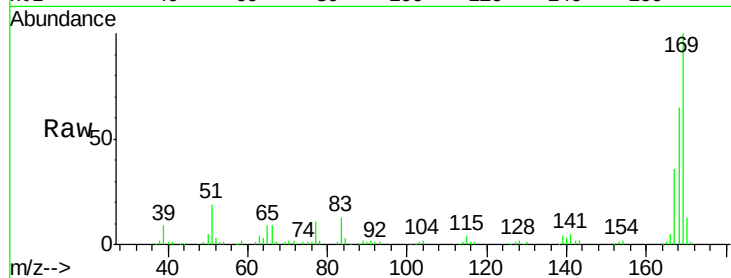




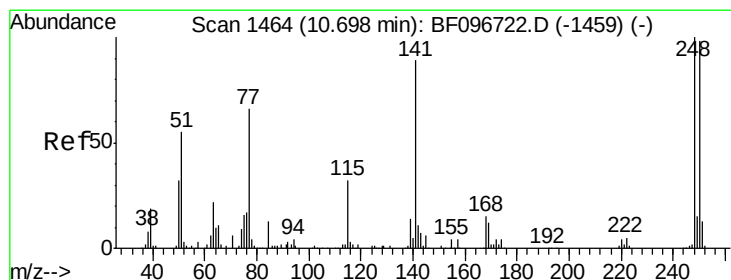
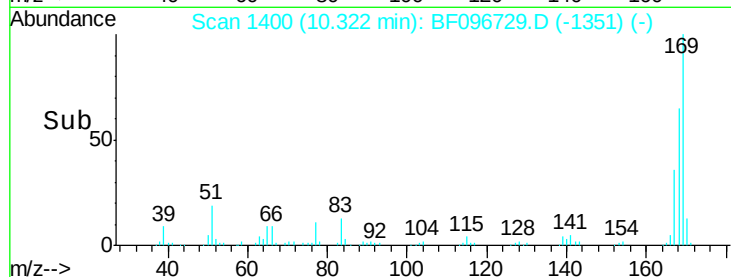
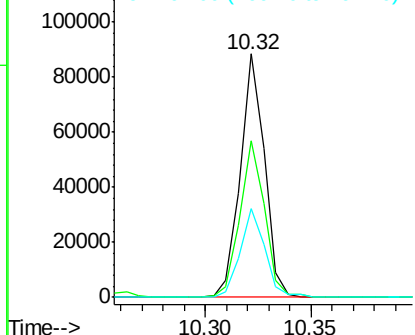
#65
 n-Nitrosodiphenylamine
 Concen: 5.56 ng
 RT: 10.32 min Scan# 1400
 Delta R.T. -0.01 min
 Lab File: BF096729.D
 Acq: 13 Jul 2017 15:54

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

Tot Ion:169 Resp: 69923
 Ion Ratio Lower Upper
 169 100
 168 64.5 53.2 79.8
 167 36.2 29.5 44.3

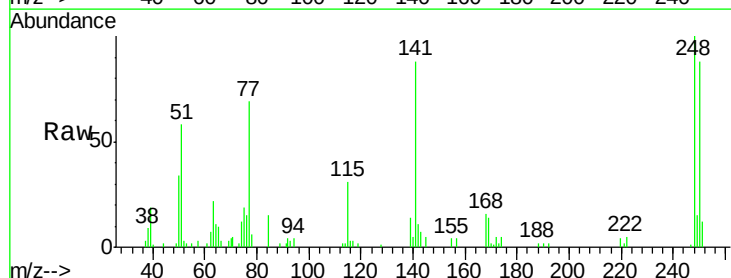


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

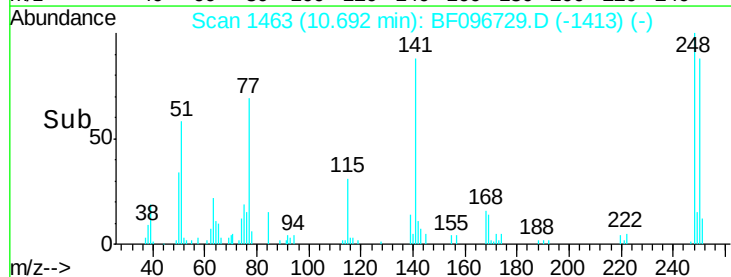
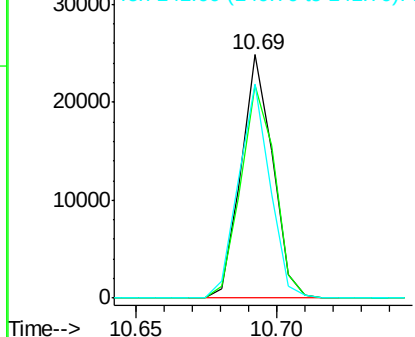


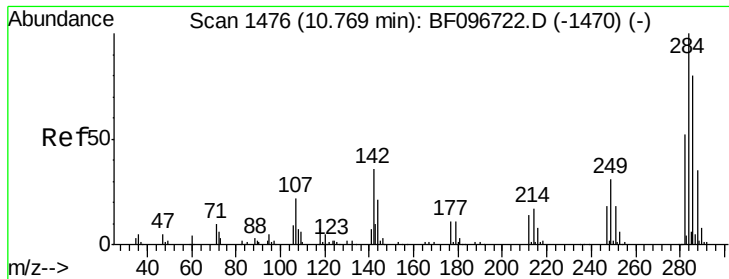
#66
 4-Bromophenyl-phenylether
 Concen: 5.38 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: BF096729.D
 Acq: 13 Jul 2017 15:54

Tgt Ion:248 Resp: 19308
 Ion Ratio Lower Upper
 248 100
 250 87.7 76.8 115.2
 141 87.9 68.6 103.0



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





#67

Hexachlorobenzene

Concen: 5.60 ng

RT: 10.76 min Scan# 1475

Delta R.T. -0.01 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

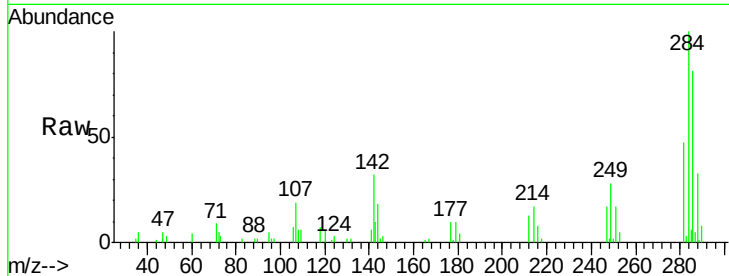
Tot Ion:284 Resp: 22368

Ion Ratio Lower Upper

284 100

142 31.7 22.8 34.2

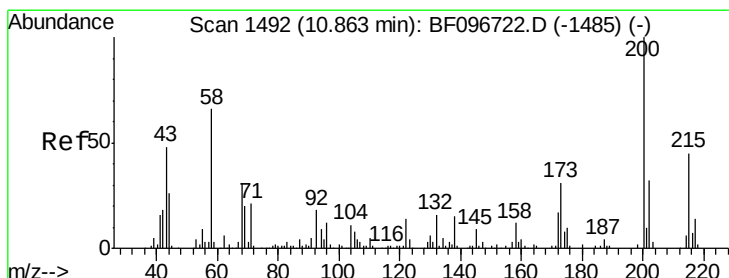
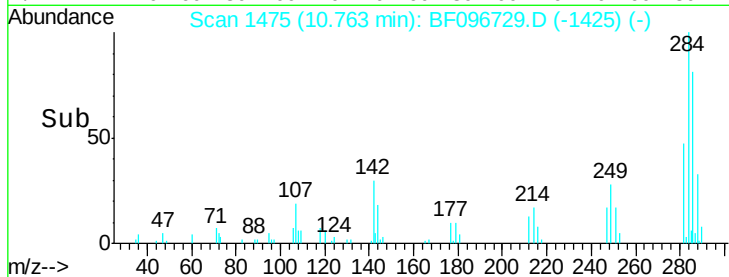
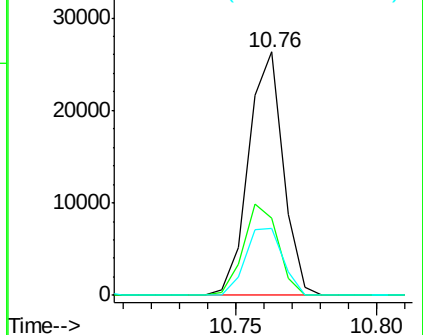
249 27.6 24.0 36.0



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 5.39 ng

RT: 10.85 min Scan# 1489

Delta R.T. -0.02 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

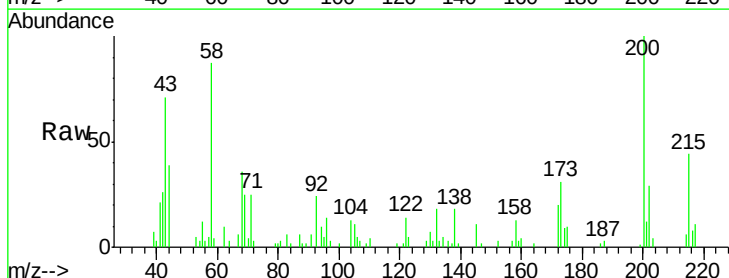
Tgt Ion:200 Resp: 19283

Ion Ratio Lower Upper

200 100

173 30.9 6.3 46.3

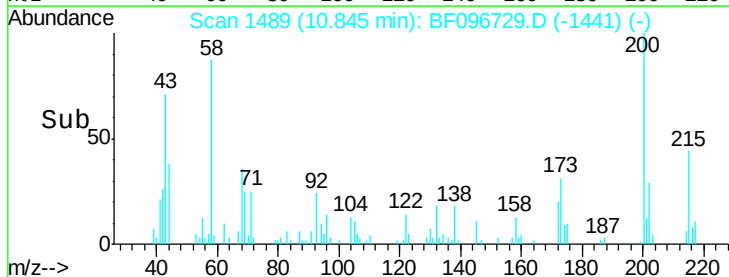
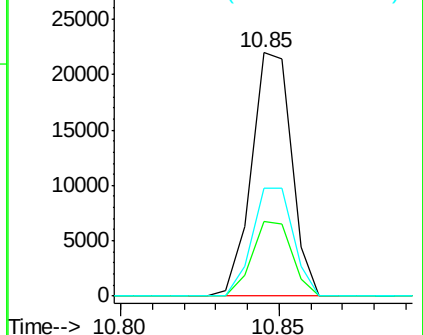
215 44.5 27.2 67.2

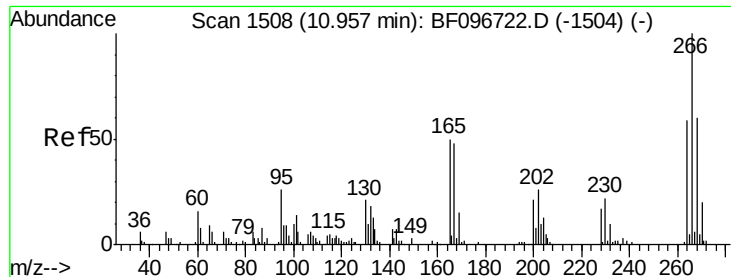


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

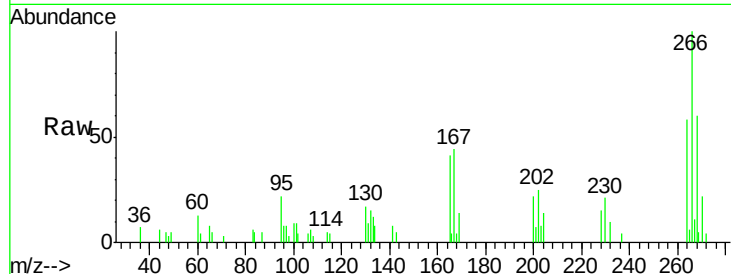




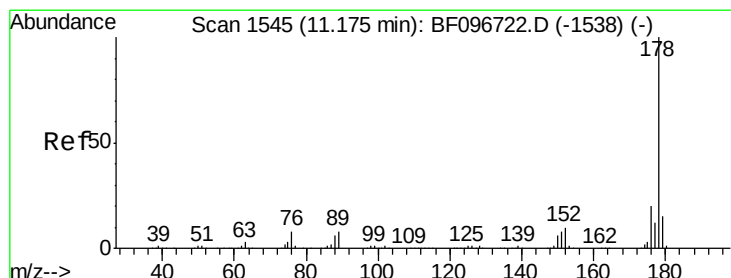
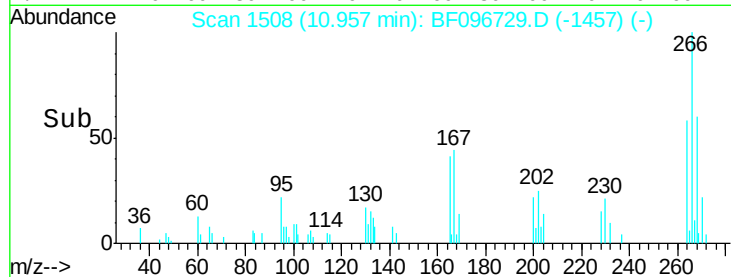
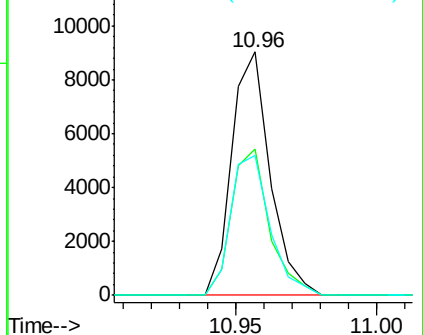
#69
 Pentachlorophenol
 Concen: 4.41 ng
 RT: 10.96 min Scan# 1508
 Delta R.T. -0.00 min
 Lab File: BF096729.D
 Acq: 13 Jul 2017 15:54

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

Tot Ion:266 Resp: 8519
 Ion Ratio Lower Upper
 266 100
 268 60.2 51.1 76.7
 264 63.2 51.7 77.5

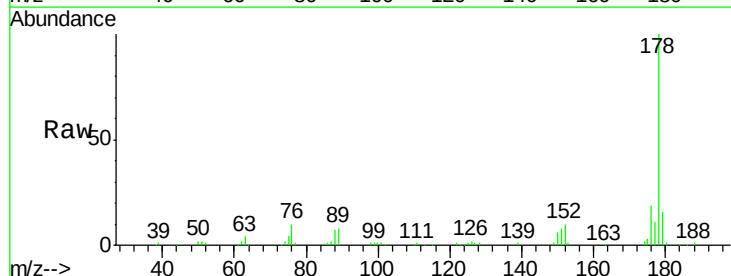


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

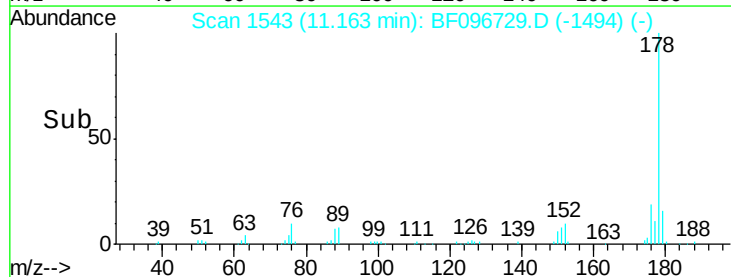
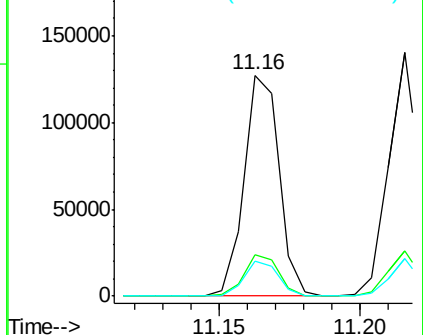


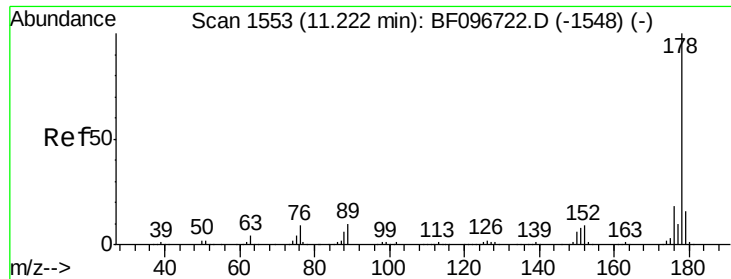
#70
 Phenanthrene
 Concen: 5.73 ng
 RT: 11.16 min Scan# 1543
 Delta R.T. -0.01 min
 Lab File: BF096729.D
 Acq: 13 Jul 2017 15:54

Tgt Ion:178 Resp: 109433
 Ion Ratio Lower Upper
 178 100
 176 18.9 16.2 24.4
 179 15.9 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

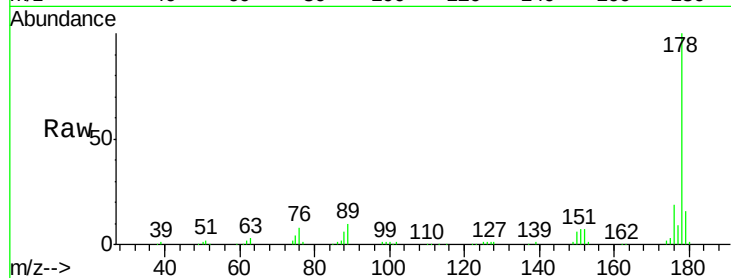




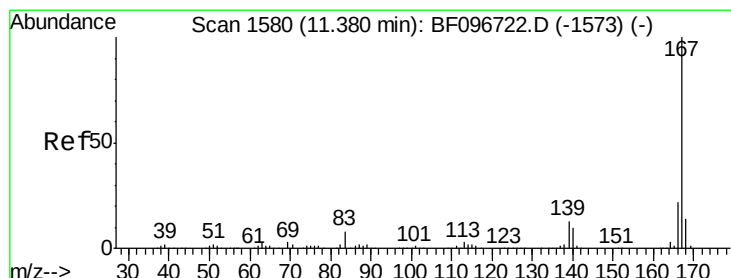
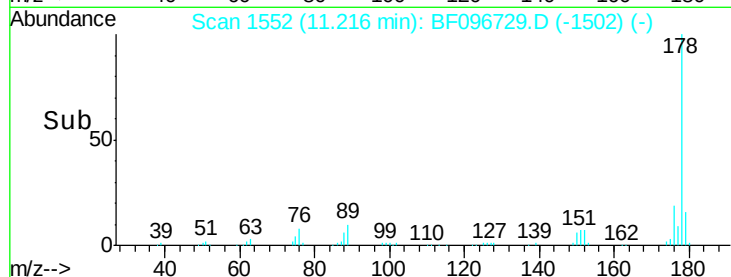
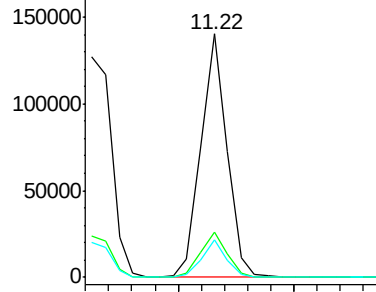
#71
 Anthracene
 Concen: 5.70 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. -0.01 min
 Lab File: BF096729.D
 Acq: 13 Jul 2017 15:54

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

Tot Ion:178 Resp: 110191
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.8 23.8
 179 15.6 12.7 19.1

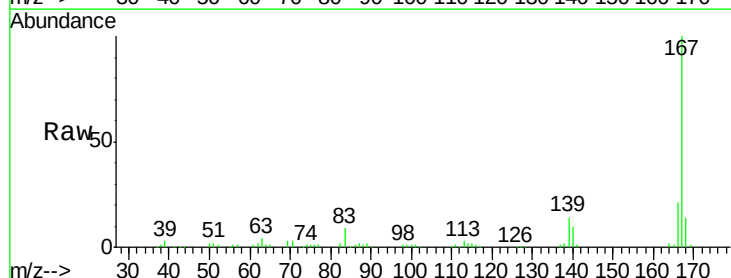


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

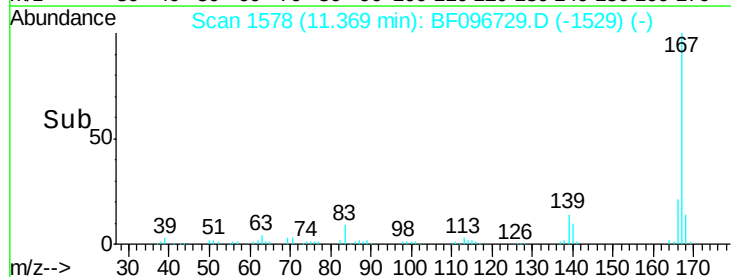
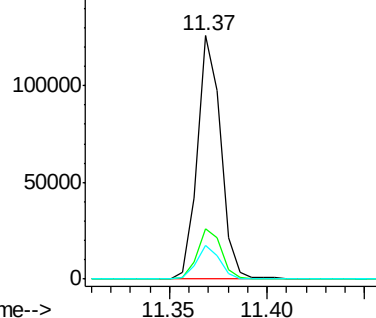


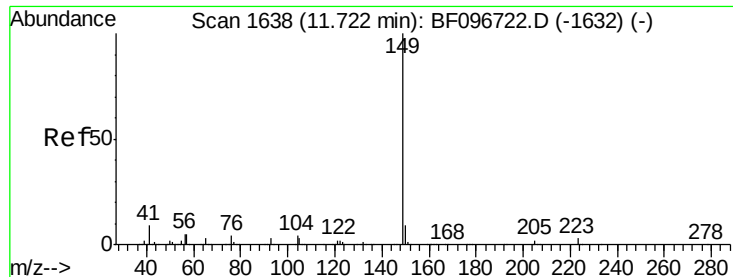
#72
 Carbazole
 Concen: 5.61 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. -0.01 min
 Lab File: BF096729.D
 Acq: 13 Jul 2017 15:54

Tgt Ion:167 Resp: 104932
 Ion Ratio Lower Upper
 167 100
 166 20.8 18.1 27.1
 139 14.1 11.7 17.5



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 5.73 ng

RT: 11.72 min Scan# 1637

Delta R.T. -0.01 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

Instrument :

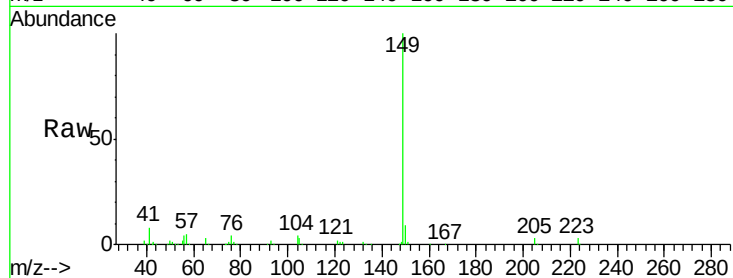
BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

Tot Ion:149 Resp: 133568

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.7	11.5
104	4.1	4.0	6.0

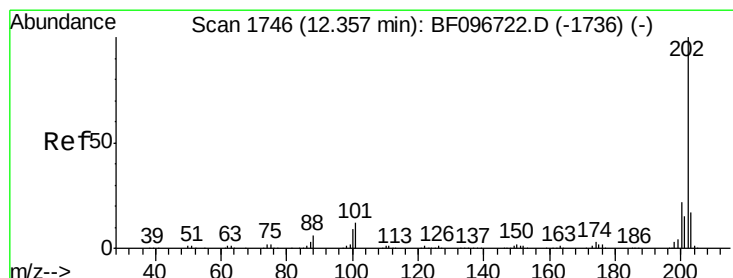
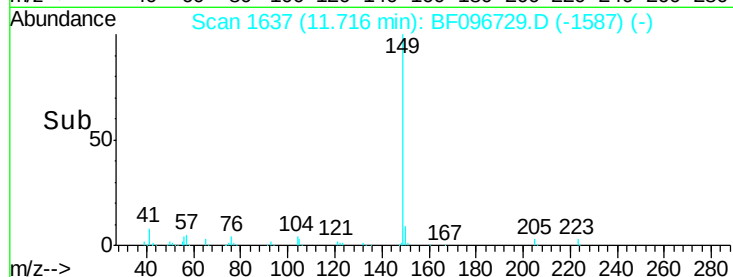
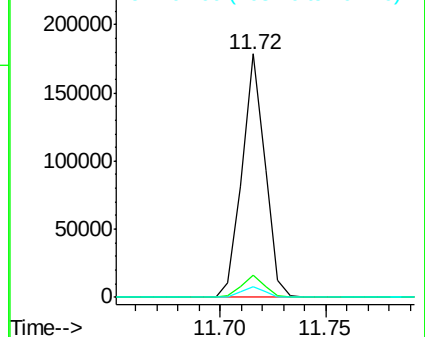


Abundance

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: 5.69 ng

RT: 12.34 min Scan# 1744

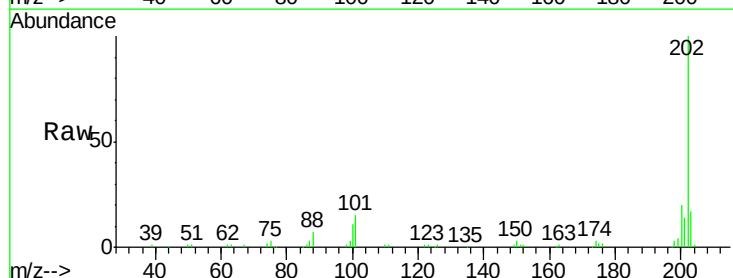
Delta R.T. -0.01 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

Tgt Ion:202 Resp: 104097

Ion	Ratio	Lower	Upper
202	100		
101	15.2	0.0	33.2
203	17.5	0.0	38.1

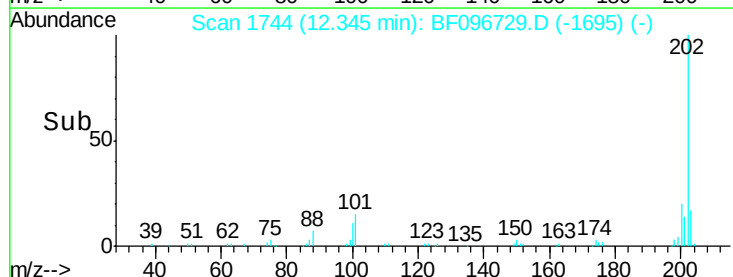
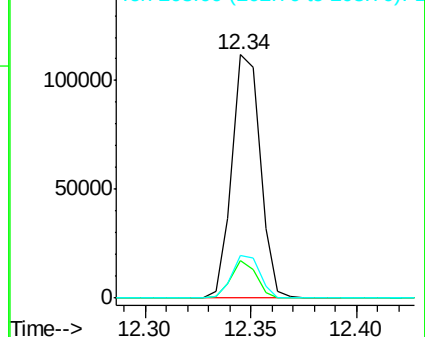


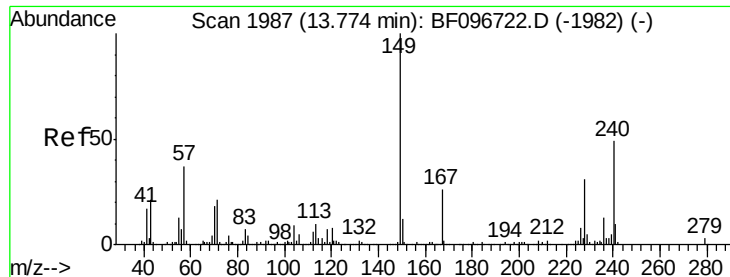
Abundance

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: 13.77 min Scan# 1986

Delta R.T. -0.01 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

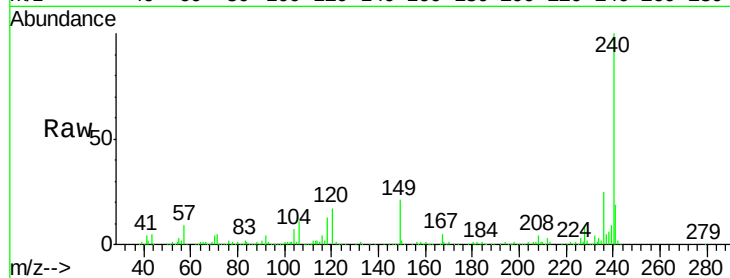
Tot Ion:240 Resp: 256548

Ion Ratio Lower Upper

240 100

120 16.7 5.8 8.8#

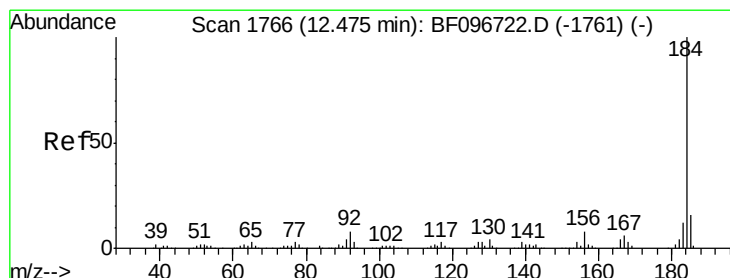
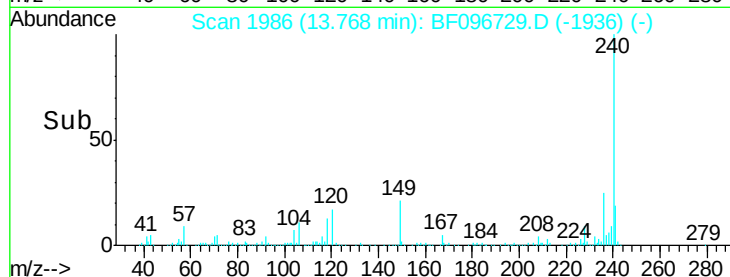
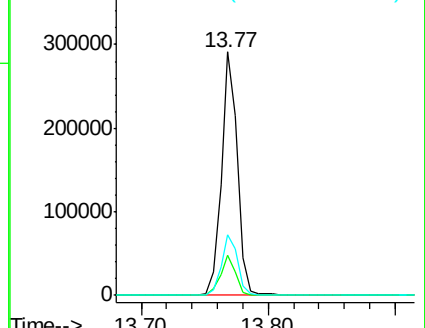
236 25.0 20.5 30.7



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: 3.01 ng

RT: 12.47 min Scan# 1765

Delta R.T. -0.01 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

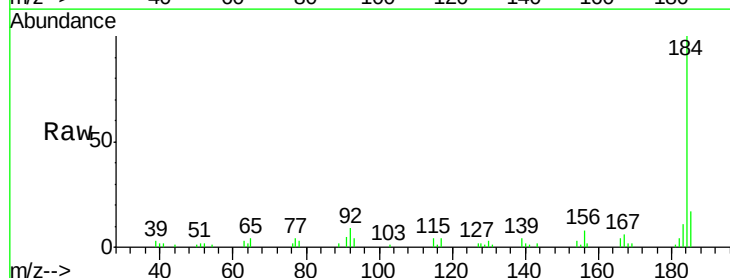
Tgt Ion:184 Resp: 25333

Ion Ratio Lower Upper

184 100

185 16.7 15.5 23.3

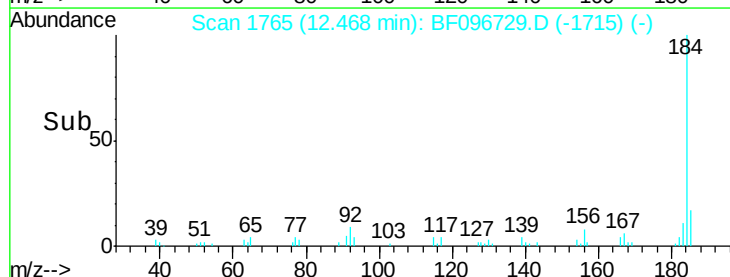
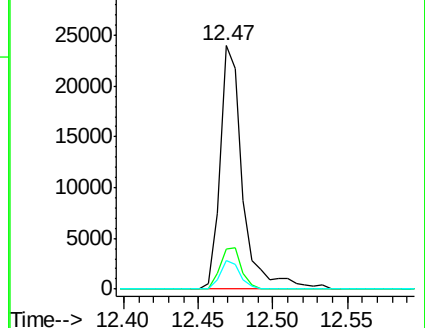
183 11.5 9.8 14.6

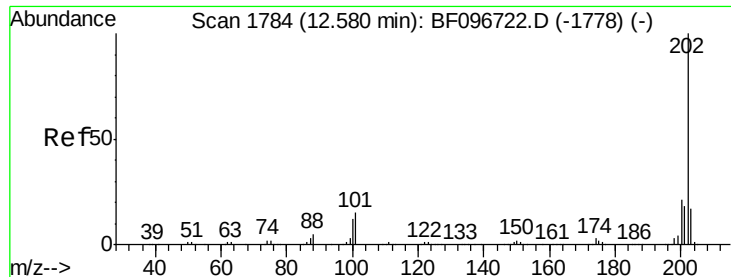


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 4.65 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

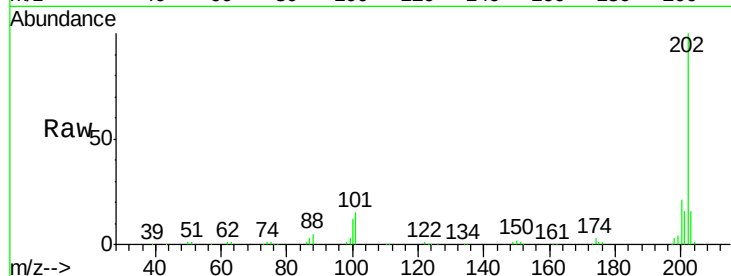
Tot Ion:202 Resp: 108317

Ion Ratio Lower Upper

202 100

200 20.9 17.6 26.4

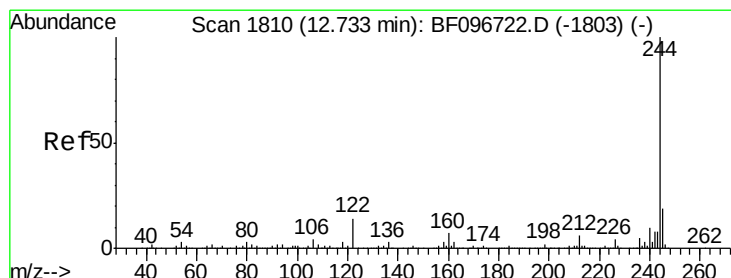
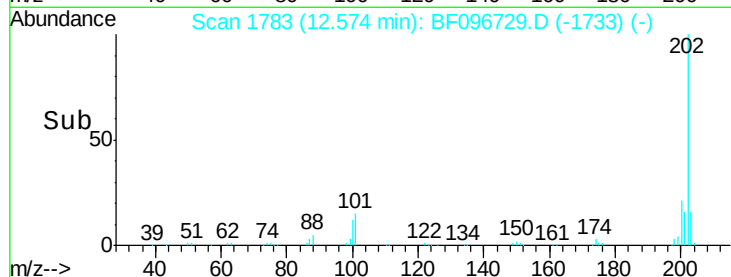
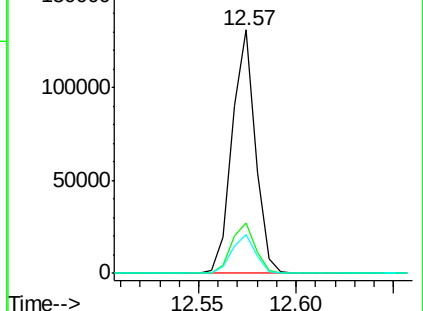
203 16.1 14.4 21.6



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: 66.87 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.00 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

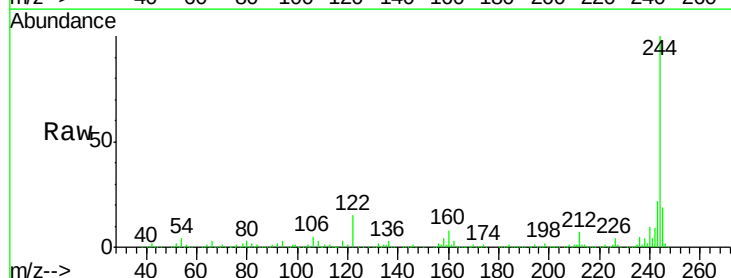
Tgt Ion:244 Resp: 989257

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

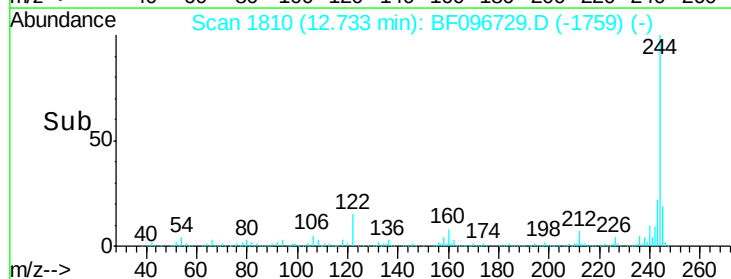
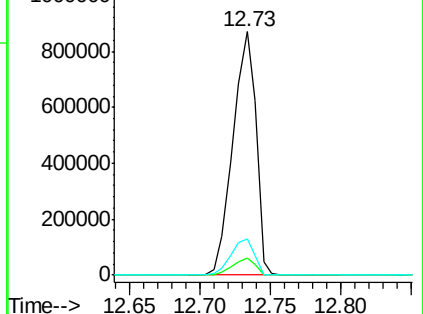
122 14.9 10.3 15.5

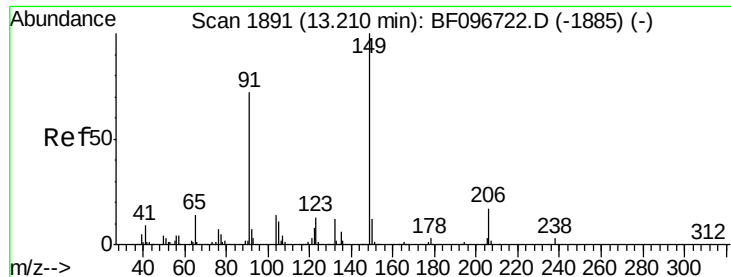


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

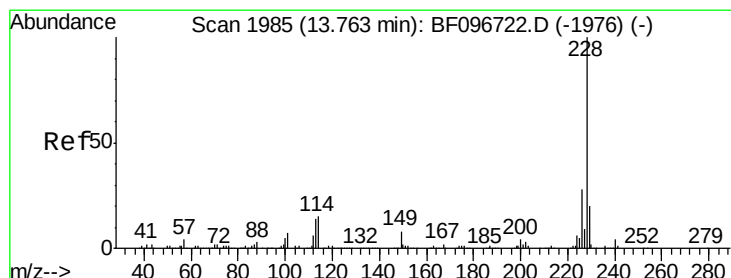
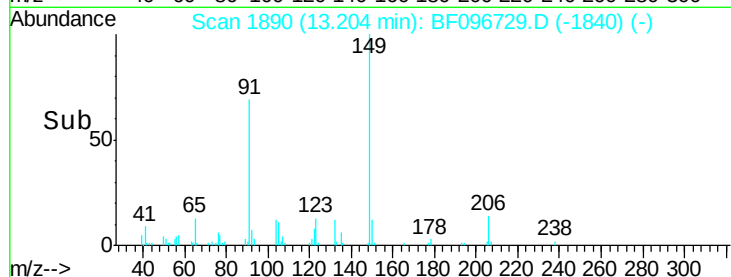
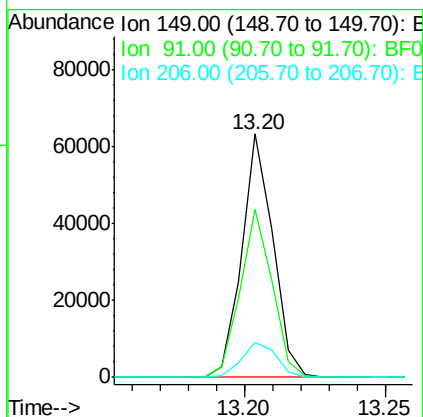
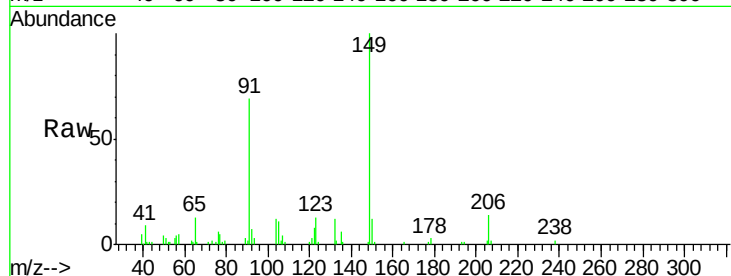




#79
Butylbenzylphthalate
Concen: 8.75 ng
RT: 13.20 min Scan# 1890
Delta R.T. -0.01 min
Lab File: BF096729.D
Acq: 13 Jul 2017 15:54

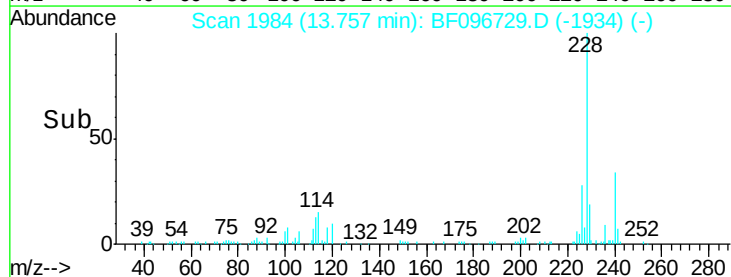
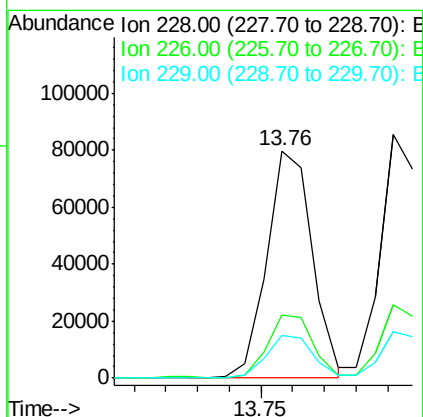
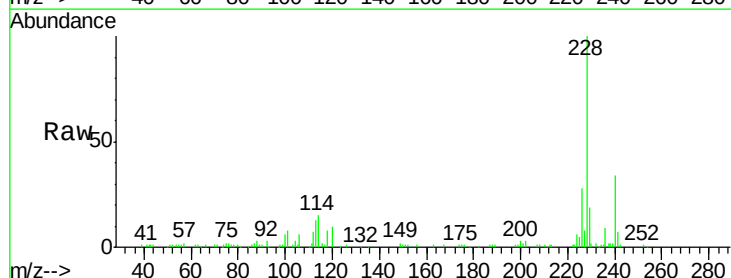
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT3-2017

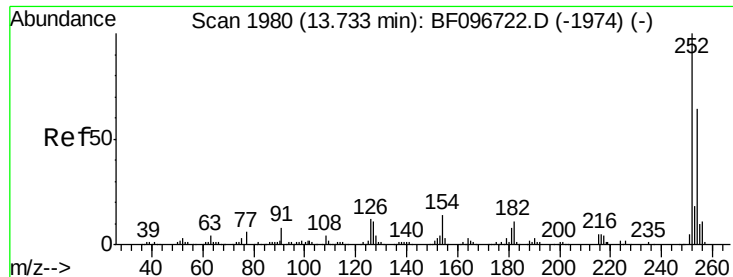
Tot Ion:149 Resp: 48410
Ion Ratio Lower Upper
149 100
91 69.0 45.0 67.4#
206 14.5 17.0 25.6#



#80
Benzo(a)anthracene
Concen: 4.97 ng
RT: 13.76 min Scan# 1984
Delta R.T. -0.01 min
Lab File: BF096729.D
Acq: 13 Jul 2017 15:54

Tgt Ion:228 Resp: 79414
Ion Ratio Lower Upper
228 100
226 27.7 22.6 33.8
229 18.9 16.3 24.5

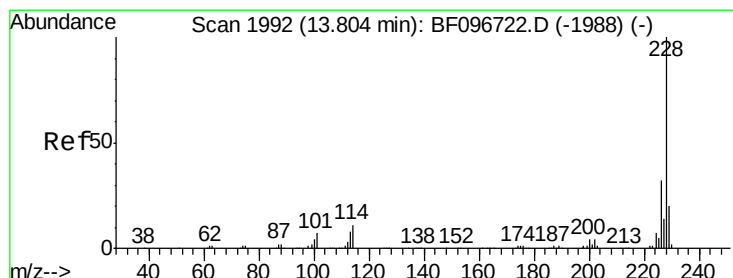
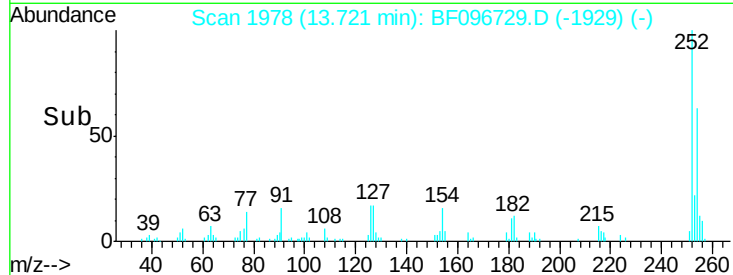
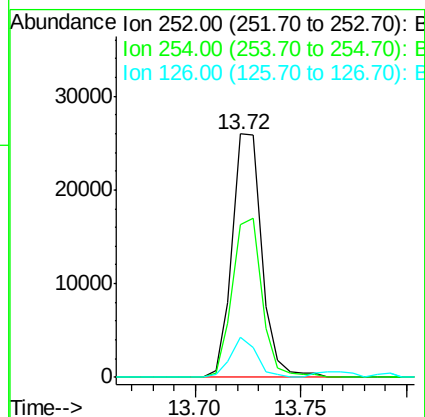
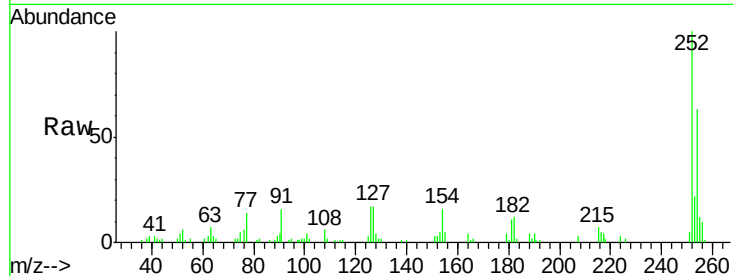




#81
 3,3'-Dichlorobenzidine
 Concen: 4.39 ng
 RT: 13.72 min Scan# 1978
 Delta R.T. -0.01 min
 Lab File: BF096729.D
 Acq: 13 Jul 2017 15:54

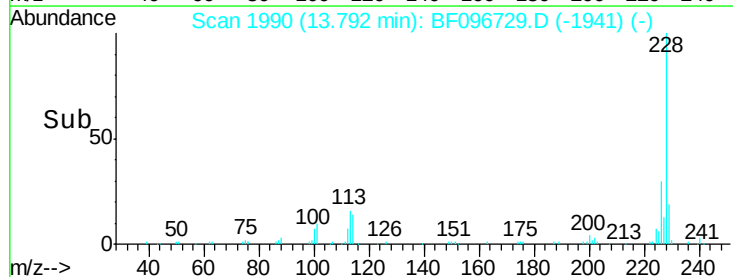
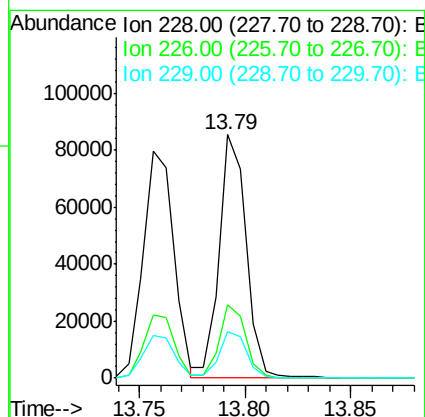
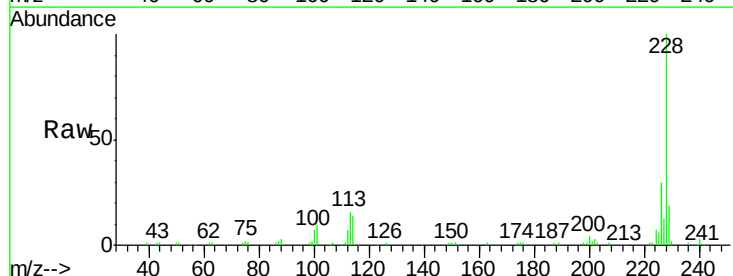
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

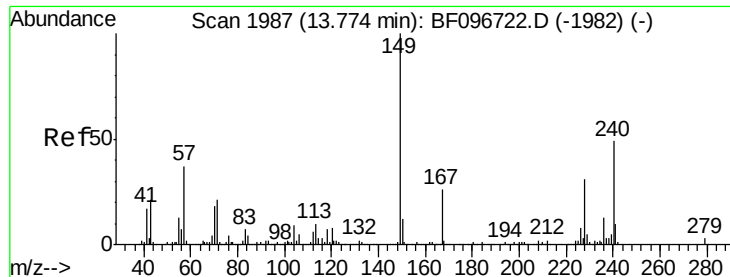
Tot Ion:252 Resp: 25254
 Ion Ratio Lower Upper
 252 100
 254 62.8 51.5 77.3
 126 16.6 15.8 23.8



#82
 Chrysene
 Concen: 4.83 ng
 RT: 13.79 min Scan# 1990
 Delta R.T. -0.01 min
 Lab File: BF096729.D
 Acq: 13 Jul 2017 15:54

Tgt Ion:228 Resp: 76082
 Ion Ratio Lower Upper
 228 100
 226 30.2 24.9 37.3
 229 18.9 15.8 23.6





#83

Bis(2-ethylhexyl)phthalate

Concen: 4.92 ng

RT: 13.77 min Scan# 1987

Delta R.T. -0.00 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

Instrument :

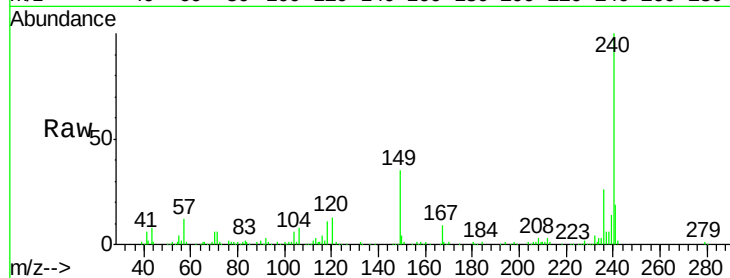
BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

Tot Ion:149 Resp: 66350

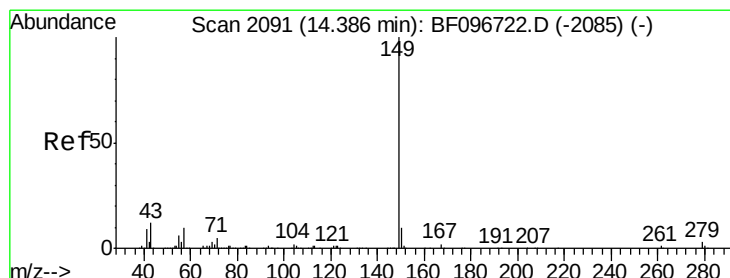
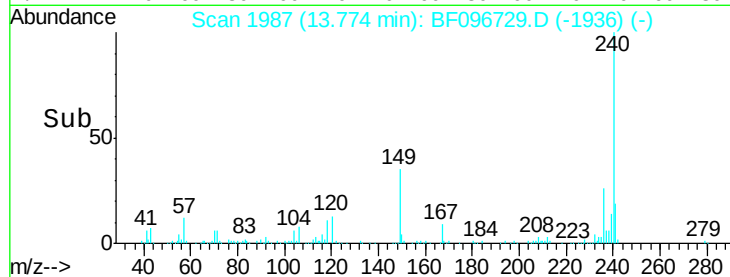
Ion	Ratio	Lower	Upper
149	100		
167	26.1	21.0	31.4
279	2.2	1.9	2.9



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: 4.16 ng

RT: 14.38 min Scan# 2090

Delta R.T. -0.01 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

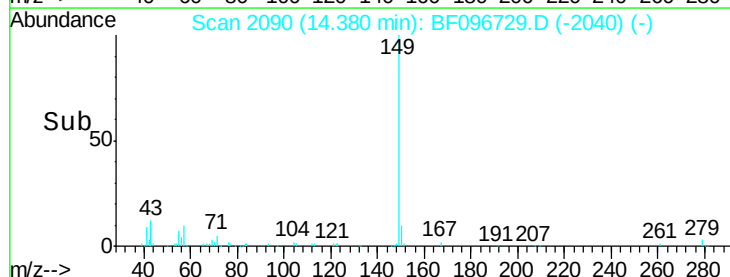
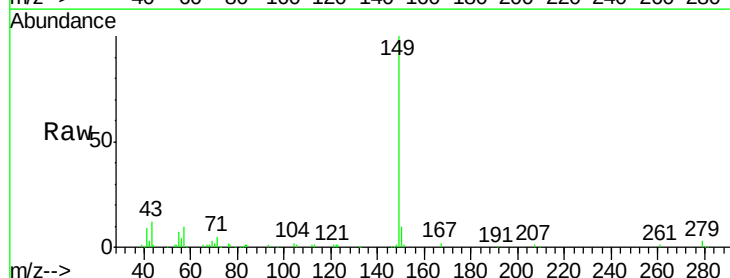
Tgt Ion:149 Resp: 92583

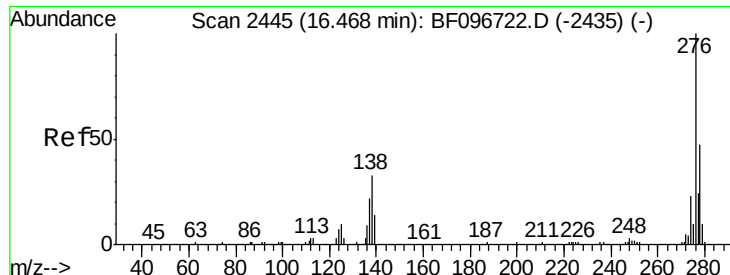
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	12.4	8.5	12.7

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

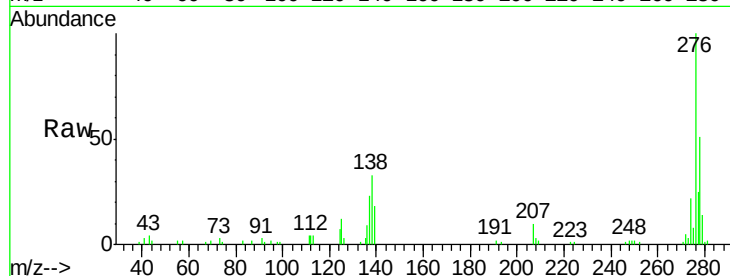




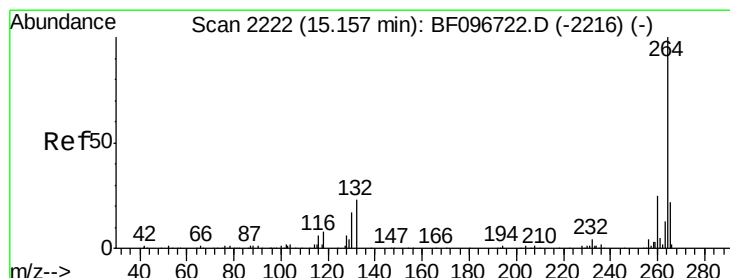
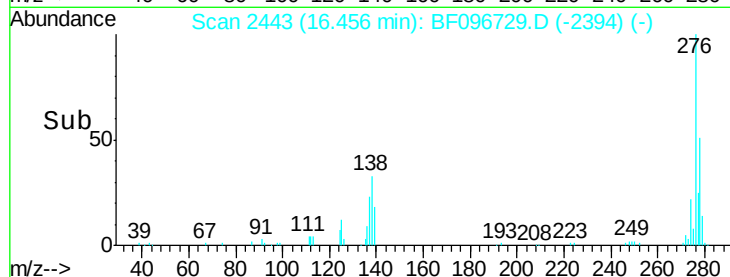
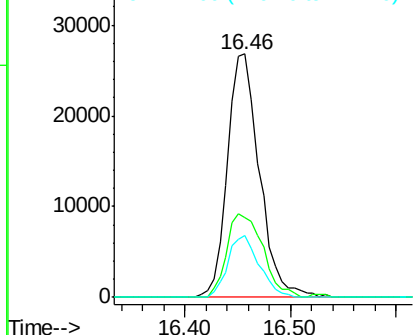
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.03 ng
 RT: 16.46 min Scan# 2443
 Delta R.T. -0.01 min
 Lab File: BF096729.D
 Acq: 13 Jul 2017 15:54

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

Tot Ion:276 Resp: 56180
 Ion Ratio Lower Upper
 276 100
 138 38.7 27.8 41.6
 277 24.9 20.2 30.4

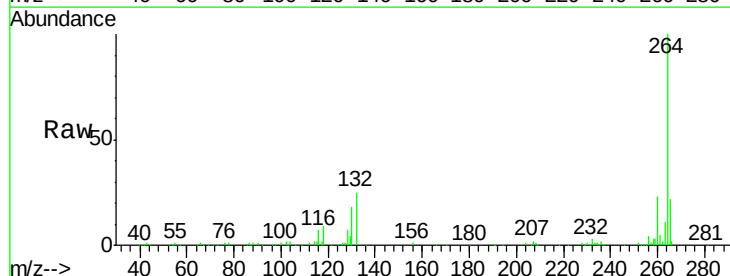


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

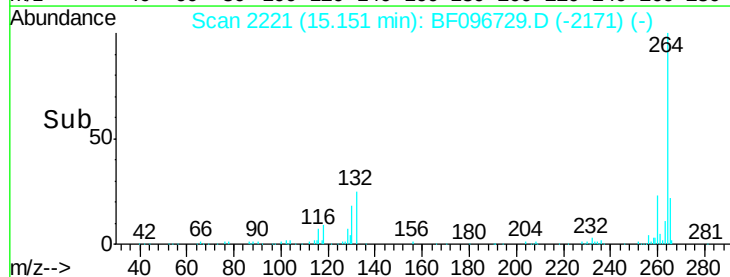
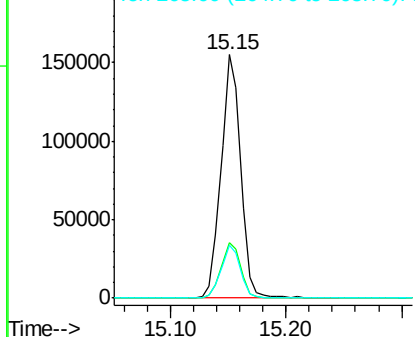


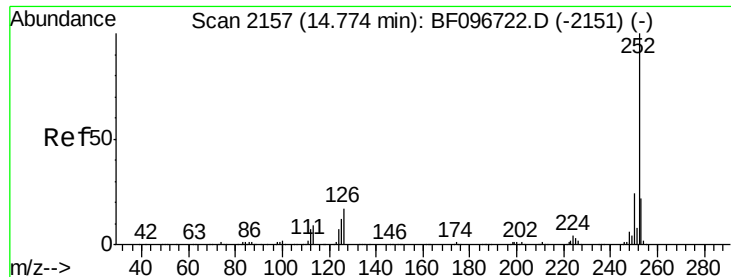
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.15 min Scan# 2221
 Delta R.T. -0.01 min
 Lab File: BF096729.D
 Acq: 13 Jul 2017 15:54

Tgt Ion:264 Resp: 182817
 Ion Ratio Lower Upper
 264 100
 260 23.0 19.5 29.3
 265 21.8 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

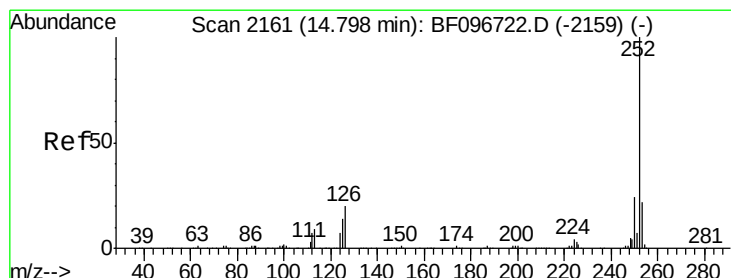
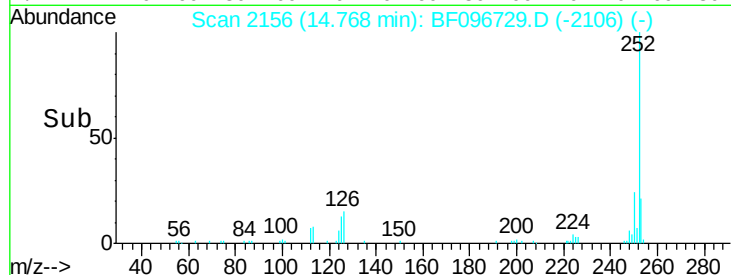
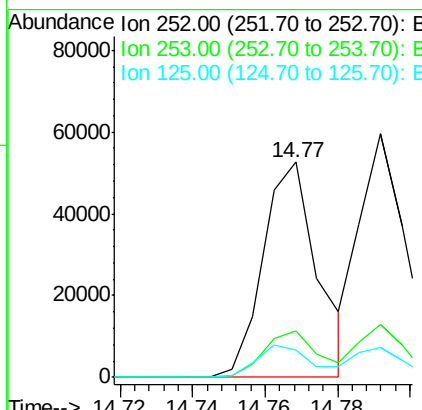
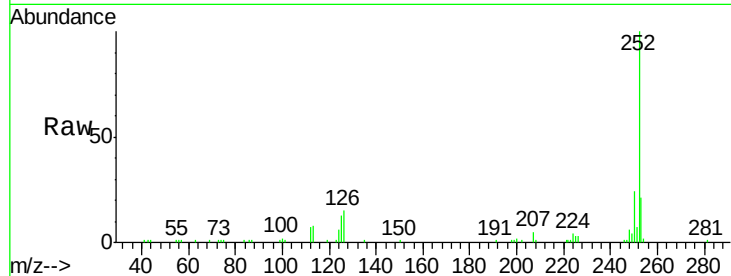




#87
Benzo(b)fluoranthene
Concen: 4.97 ng
RT: 14.77 min Scan# 2156
Delta R.T. -0.01 min
Lab File: BF096729.D
Acq: 13 Jul 2017 15:54

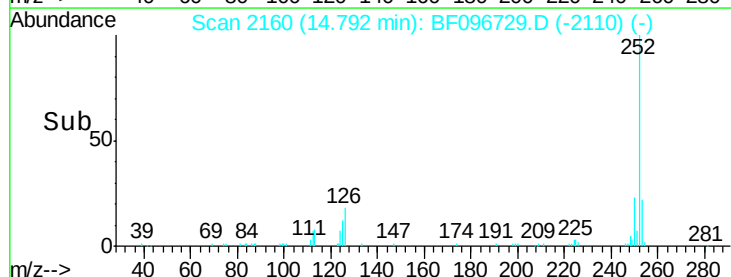
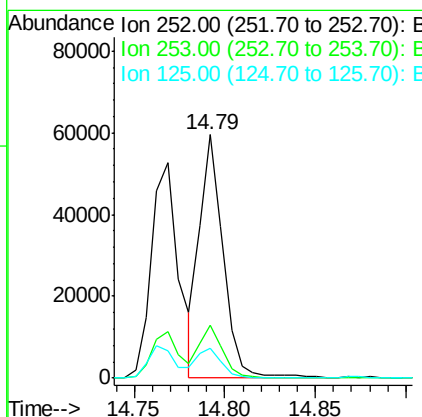
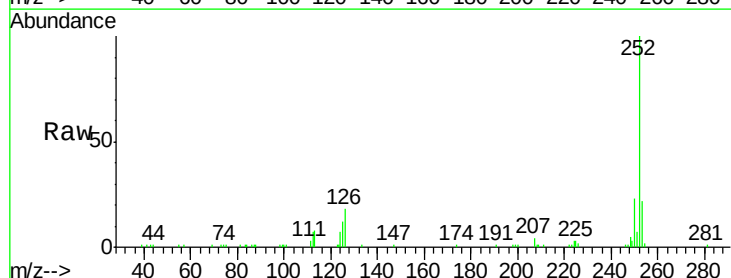
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT3-2017

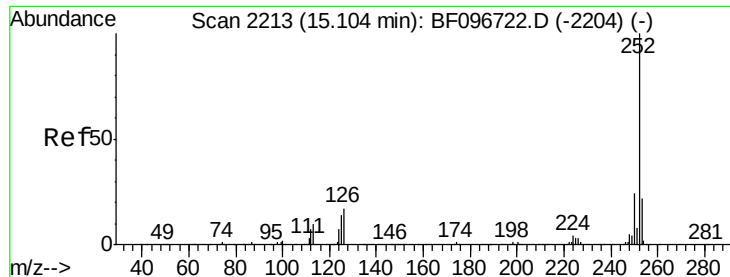
Tot Ion:252 Resp: 54745
Ion Ratio Lower Upper
252 100
253 21.4 18.1 27.1
125 12.7 9.8 14.8



#88
Benzo(k)fluoranthene
Concen: 5.20 ng
RT: 14.79 min Scan# 2160
Delta R.T. -0.01 min
Lab File: BF096729.D
Acq: 13 Jul 2017 15:54

Tgt Ion:252 Resp: 54244
Ion Ratio Lower Upper
252 100
253 21.6 18.4 27.6
125 12.3 13.1 19.7#

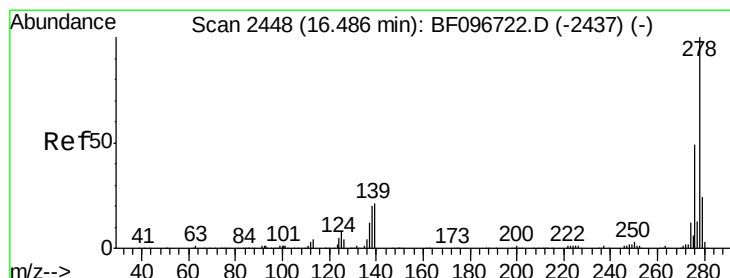
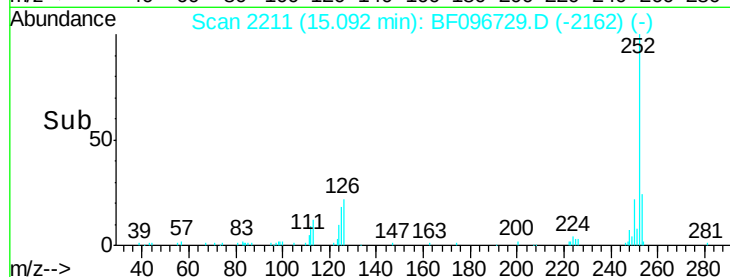
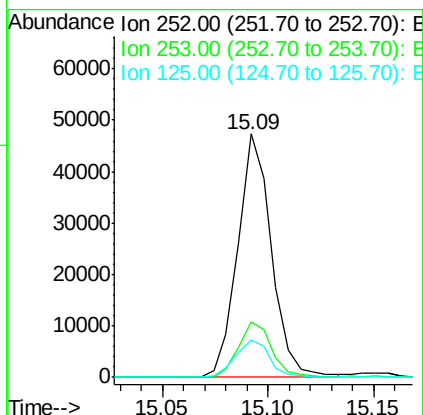
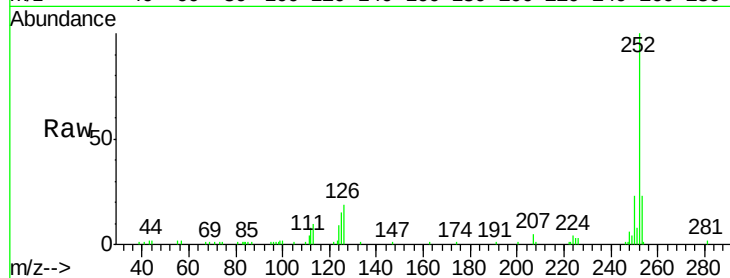




#89
Benzo(a)pyrene
Concen: 5.17 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.01 min
Lab File: BF096729.D
Acq: 13 Jul 2017 15:54

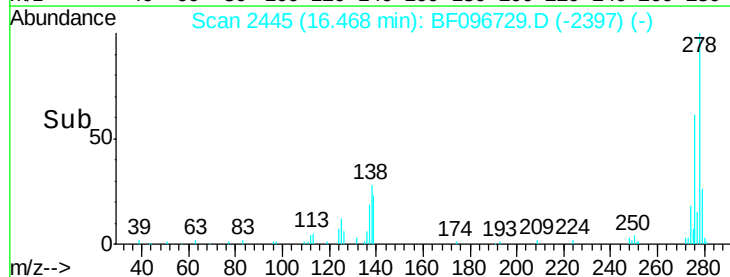
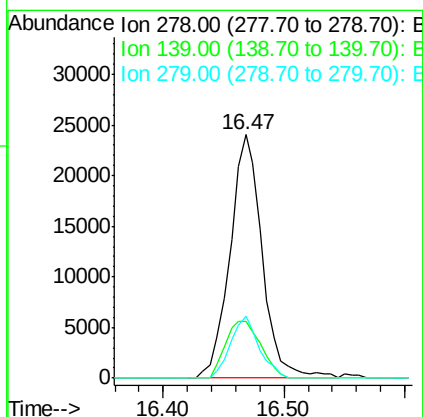
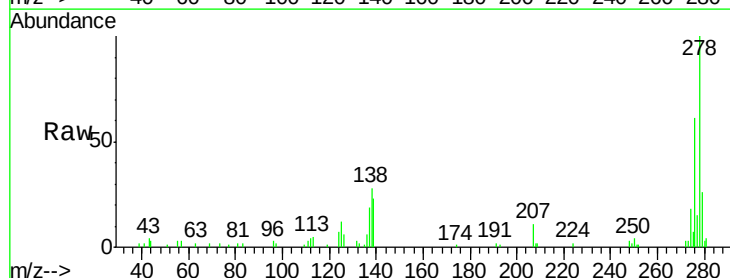
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT3-2017

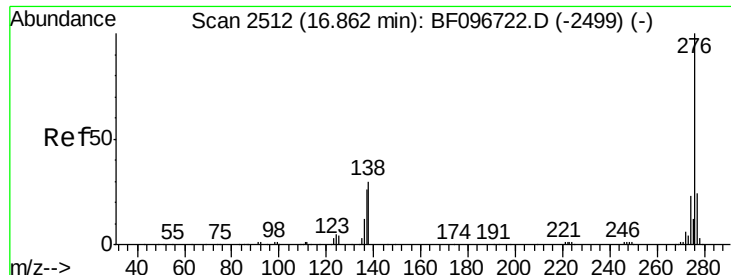
Tot Ion:252 Resp: 52321
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 15.4 11.0 16.4



#90
Dibenzo(a,h)anthracene
Concen: 4.79 ng
RT: 16.47 min Scan# 2445
Delta R.T. -0.02 min
Lab File: BF096729.D
Acq: 13 Jul 2017 15:54

Tgt Ion:278 Resp: 44526
Ion Ratio Lower Upper
278 100
139 23.4 16.6 24.8
279 25.6 19.3 28.9





#91

Benzo(a,h,i)perylene

Concen: 4.66 ng

RT: 16.84 min Scan# 2509

Delta R.T. -0.02 min

Lab File: BF096729.D

Acq: 13 Jul 2017 15:54

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

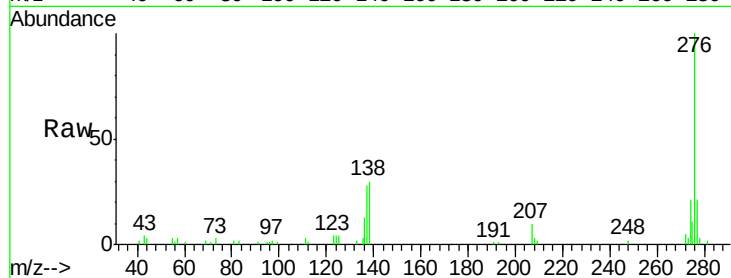
Tot Ion: 276 Resp: 46461

Ion Ratio Lower Upper

276 100

277 20.8 18.6 28.0

138 30.3 25.4 38.0



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

