

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042016\
 Data File : BF086321.D
 Acq On : 20 Apr 2016 21:10
 Operator : UM/SJ
 Sample : H1824-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

Quant Time: Apr 21 01:02:40 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 20 15:45:26 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	262253	20.00	ng	-0.03
21) Naphthalene-d8	8.14	136	1048047	20.00	ng	-0.03
38) Acenaphthene-d10	9.90	164	458722	20.00	ng	-0.03
63) Phenanthrene-d10	11.38	188	752051	20.00	ng	-0.03
75) Chrysene-d12	14.02	240	434691	20.00	ng	-0.03
86) Perylene-d12	15.44	264	436289	20.00	ng	-0.05

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	1928521	128.30	ng	-0.01
7) Phenol-d6	6.50	99	2421141	123.09	ng	-0.02
23) Nitrobenzene-d5	7.42	82	1535427	83.90	ng	-0.03
41) 2,4,6-Tribromophenol	10.69	330	466956	130.60	ng	-0.03
44) 2-Fluorobiphenyl	9.23	172	2441811	107.79	ng	-0.03
78) Terphenyl-d14	12.97	244	1510927	82.74	ng	-0.03

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.54	88	123715	15.19	ng	# 93
3) Pyridine	3.31	79	276464	13.26	ng	96
4) n-Nitrosodimethylamine	3.20	42	114790	15.98	ng	# 69
6) Aniline	6.52	93	262380	9.91	ng	# 84
8) 2-Chlorophenol	6.65	128	319664	17.90	ng	84
9) Benzaldehyde	6.41	77	292863	21.01	ng	99
10) Phenol	6.51	94	365944	16.23	ng	92
11) bis(2-Chloroethyl)ether	6.60	93	345534	17.55	ng	94
12) 1,3-Dichlorobenzene	6.80	146	343987	17.56	ng	99
13) 1,4-Dichlorobenzene	6.88	146	374228	17.88	ng	98
14) 1,2-Dichlorobenzene	7.04	146	301007	16.21	ng	97
15) Benzyl Alcohol	7.00	79	236818	19.38	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.14	45	470384	16.98	ng	89
17) 2-Methylphenol	7.12	107	273114	18.30	ng	97
18) Hexachloroethane	7.38	117	119762	19.20	ng	94
19) n-Nitroso-di-n-propylamine	7.28	70	234727	19.70	ng	# 94
20) 3+4-Methylphenols	7.26	107	333147	20.58	ng	# 79
22) Acetophenone	7.28	105	466352	21.18	ng	# 97
24) Nitrobenzene	7.45	77	335205	17.12	ng	95
25) Isophorone	7.68	82	616002	17.77	ng	94
26) 2-Nitrophenol	7.77	139	164942	18.84	ng	# 73
27) 2,4-Dimethylphenol	7.80	122	296451	17.26	ng	100
28) bis(2-Chloroethoxy)methane	7.89	93	400573	19.76	ng	99
29) 2,4-Dichlorophenol	8.01	162	263404	19.45	ng	93
30) 1,2,4-Trichlorobenzene	8.09	180	283336	19.39	ng	99
31) Naphthalene	8.17	128	1012811	20.27	ng	98
32) Benzoic acid	7.88	122	138137	13.53	ng	91
33) 4-Chloroaniline	8.22	127	147243	7.12	ng	# 94
34) Hexachlorobutadiene	8.29	225	138563	18.82	ng	98
35) Caprolactam	8.57	113	77375	17.64	ng	# 64
36) 4-Chloro-3-methylphenol	8.69	107	288444	18.94	ng	86
37) 2-Methylnaphthalene	8.86	142	608585	19.73	ng	97
39) 1,2,4,5-Tetrachlorobenzene	9.02	216	249017	20.39	ng	96
40) Hexachlorocyclopentadiene	9.01	237	54384	19.62	ng	98

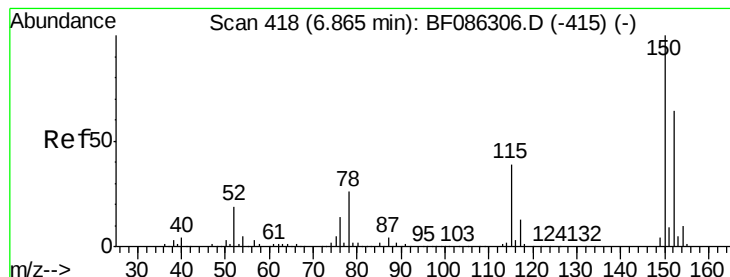
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.14	196	161523	19.07	ng	97
43) 2,4,5-Trichlorophenol	9.17	196	179368	19.44	ng	# 87
45) 1,1'-Biphenyl	9.32	154	743323	20.63	ng	99
46) 2-Chloronaphthalene	9.34	162	551274	20.19	ng	99
47) 2-Nitroaniline	9.45	65	172606	18.60	ng	# 72
48) Acenaphthylene	9.76	152	886891	20.81	ng	99
49) Dimethylphthalate	9.62	163	639674	18.32	ng	99
50) 2,6-Dinitrotoluene	9.69	165	139085	19.35	ng	92
51) Acenaphthene	9.93	154	521433	20.85	ng	100
52) 3-Nitroaniline	9.85	138	106821	11.69	ng	97
53) 2,4-Dinitrophenol	9.96	184	17378	17.26	ng	# 3
54) Dibenzofuran	10.11	168	760273	22.36	ng	99
55) 4-Nitrophenol	10.01	139	88366	15.59	ng	85
56) 2,4-Dinitrotoluene	10.09	165	179762	20.13	ng	98
57) Fluorene	10.44	166	549420	21.81	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.22	232	137779	22.26	ng	89
59) Diethylphthalate	10.33	149	647573	19.00	ng	98
60) 4-Chlorophenyl-phenylether	10.44	204	258477	22.15	ng	99
61) 4-Nitroaniline	10.46	138	144471	16.89	ng	# 84
62) Azobenzene	10.60	77	723229	21.53	ng	94
64) 4,6-Dinitro-2-methylphenol	10.49	198	36176	19.42	ng	84
65) n-Nitrosodiphenylamine	10.56	169	497254	20.07	ng	98
66) 4-Bromophenyl-phenylether	10.93	248	153213	18.96	ng	97
67) Hexachlorobenzene	10.99	284	152308	18.78	ng	94
68) Atrazine	11.08	200	144985	19.04	ng	99
69) Pentachlorophenol	11.18	266	75515	17.77	ng	94
70) Phenanthrene	11.40	178	730613	20.50	ng	98
71) Anthracene	11.46	178	797983	20.91	ng	98
72) Carbazole	11.61	167	717337	19.86	ng	97
73) Di-n-butylphthalate	11.95	149	955052	20.54	ng	# 97
74) Fluoranthene	12.59	202	629105	19.04	ng	97
76) Benzidine	12.72	184	154191	8.03	ng	97
77) Pyrene	12.82	202	619378	19.21	ng	98
79) Butylbenzylphthalate	13.44	149	305716	17.96	ng	# 69
80) Benzo(a)anthracene	14.01	228	439955	19.21	ng	98
81) 3,3'-Dichlorobenzidine	13.97	252	109567	6.92	ng	# 96
82) Chrysene	14.04	228	498450	20.14	ng	96
83) Bis(2-ethylhexyl)phthalate	14.01	149	373468	18.74	ng	# 97
84) Di-n-octyl phthalate	14.61	149	665750	18.53	ng	# 94
85) Indeno(1,2,3-cd)pyrene	16.83	276	454358	17.85	ng	96
87) Benzo(b)fluoranthene	15.06	252	955717	37.87	ng	98
88) Benzo(k)fluoranthene	15.06	252	956214	45.01	ng	99
89) Benzo(a)pyrene	15.38	252	453690	19.51	ng	98
90) Dibenzo(a,h)anthracene	16.84	278	391766	19.30	ng	# 96
91) Benzo(g,h,i)perylene	17.24	276	360678	18.53	ng	95

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 418

Delta R.T. -0.03 min

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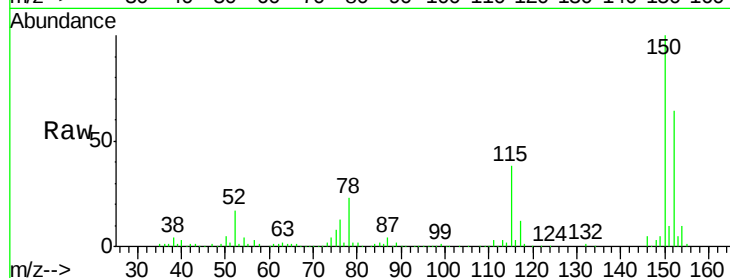
Tgt Ion:152 Resp: 262253

Ion Ratio Lower Upper

152 100

150 155.7 124.1 186.1

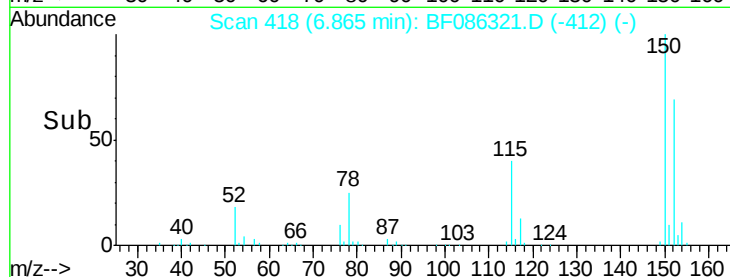
115 58.4 43.9 65.9



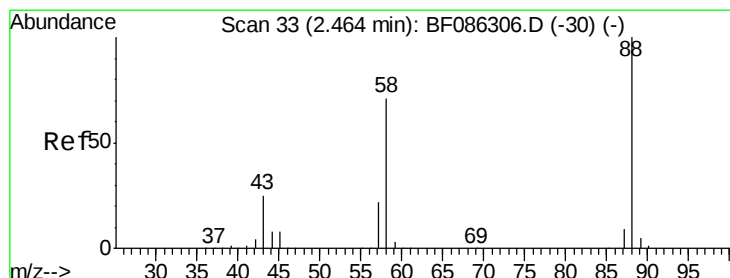
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->



#2

1,4-Dioxane

Concen: 15.19 ng

RT: 2.54 min Scan# 40

Delta R.T. 0.03 min

Lab File: BF086321.D

Acq: 20 Apr 2016 21:10

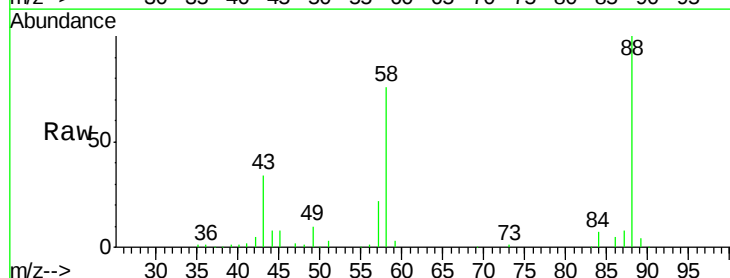
Tgt Ion: 88 Resp: 123715

Ion Ratio Lower Upper

88 100

58 77.1 58.4 87.6

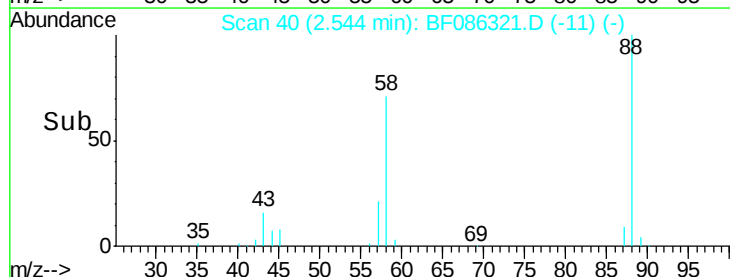
43 22.6 23.3 34.9#



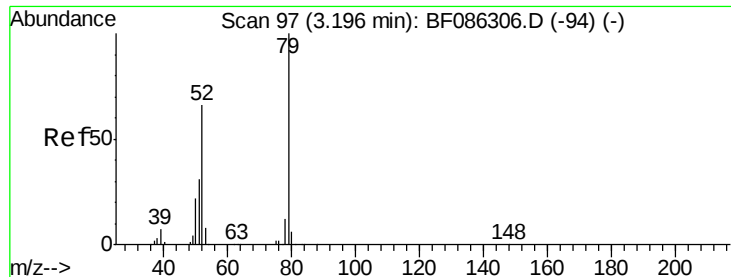
Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0



Time-->



#3

Pyridine

Concen: 13.26 ng

RT: 3.31 min Scan# 107

Delta R.T. 0.06 min

Lab File: BF086321.D

Acq: 20 Apr 2016 21:10

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

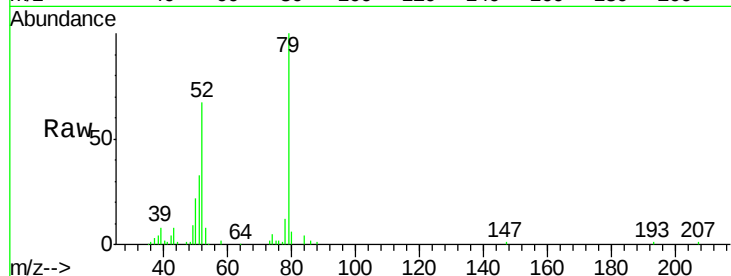
Tgt Ion: 79 Resp: 276464

Ion Ratio Lower Upper

79 100

52 66.6 55.4 83.2

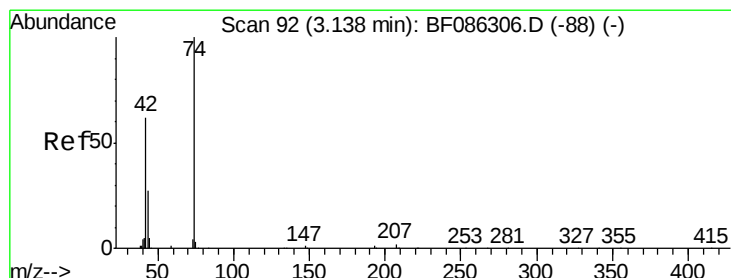
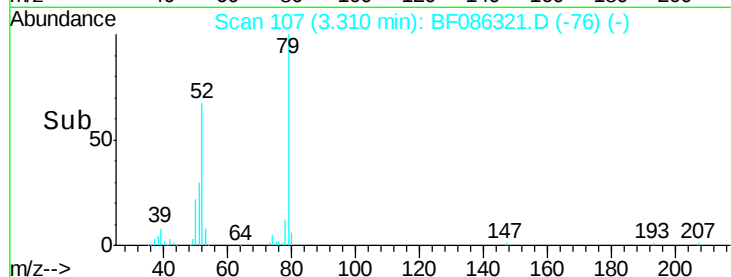
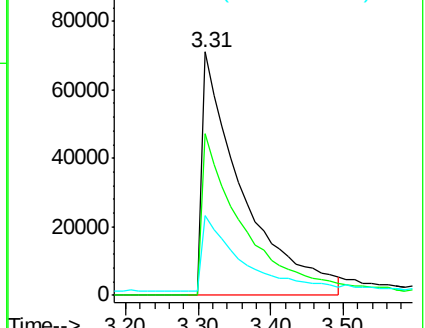
51 32.5 28.1 42.1



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 15.98 ng

RT: 3.20 min Scan# 97

Delta R.T. -0.00 min

Lab File: BF086321.D

Acq: 20 Apr 2016 21:10

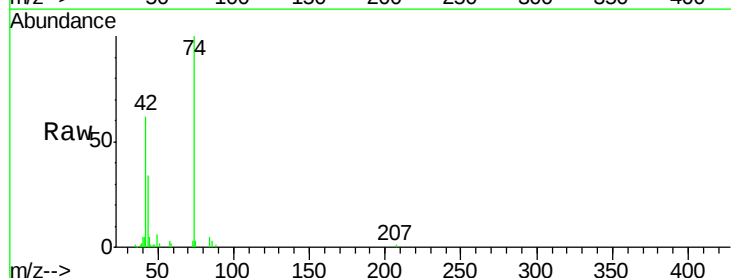
Tgt Ion: 42 Resp: 114790

Ion Ratio Lower Upper

42 100

74 162.4 100.5 150.7#

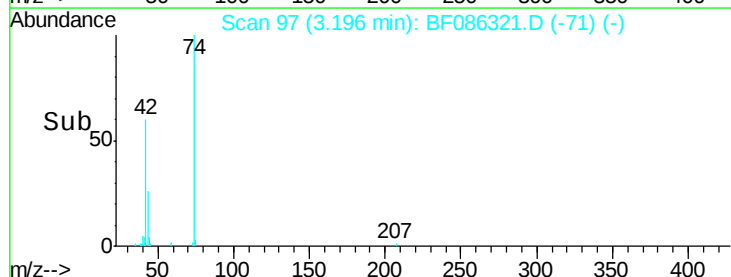
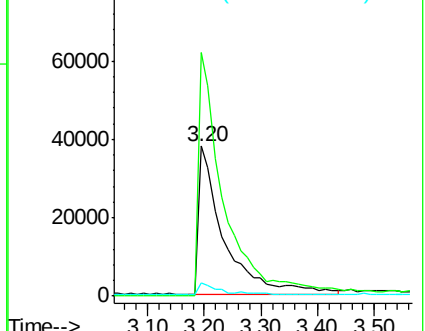
44 8.7 5.4 8.0#

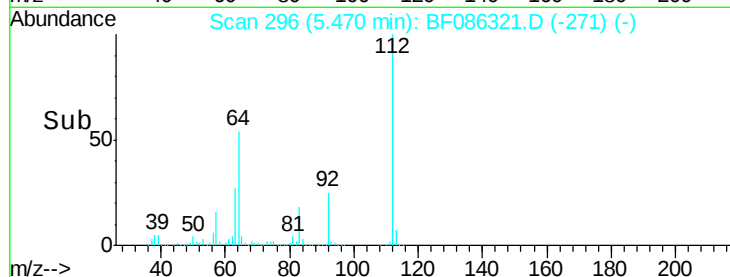
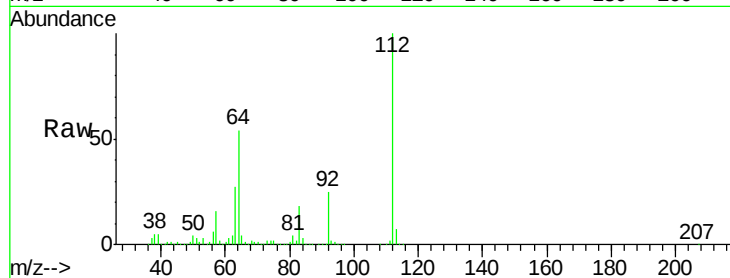
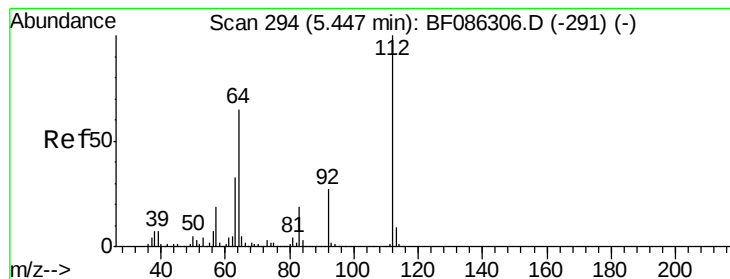


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 128.30 ng

RT: 5.47 min Scan# 296

Delta R.T. -0.01 min

Lab File: BF086321.D

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ClientSampleId :

LOQ-SOIL2016-02

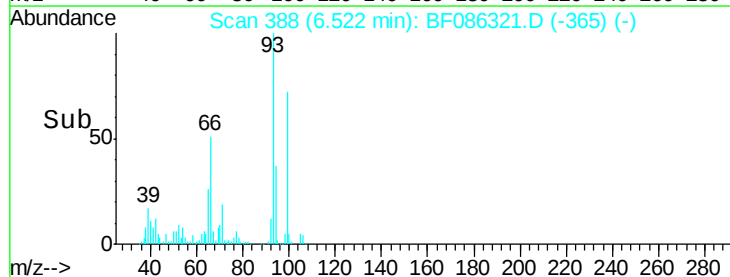
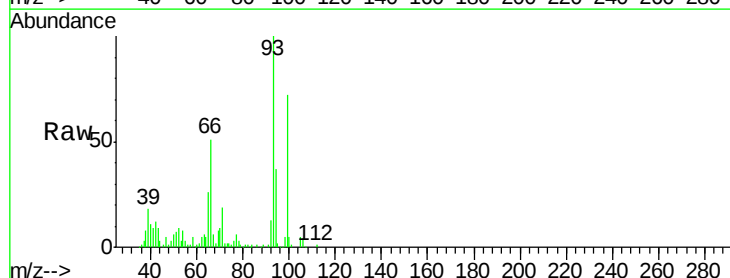
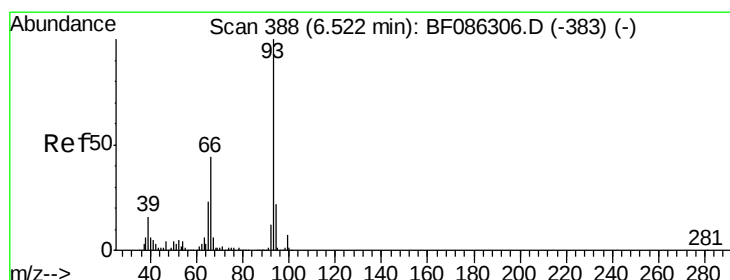
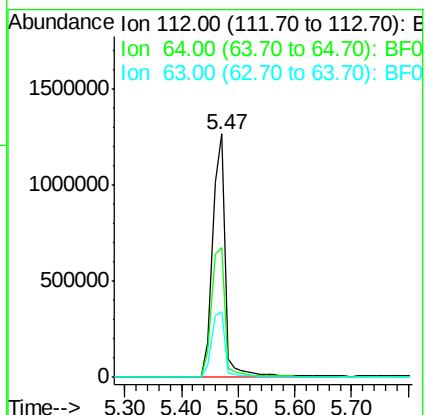
Tgt Ion:112 Resp: 1928521

Ion Ratio Lower Upper

112 100

64 53.5 48.1 72.1

63 27.2 25.5 38.3



#6

Aniline

Concen: 9.91 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.03 min

Lab File: BF086321.D

Acq: 20 Apr 2016 21:10

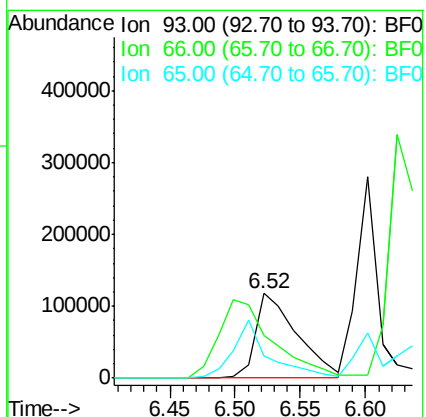
Tgt Ion: 93 Resp: 262380

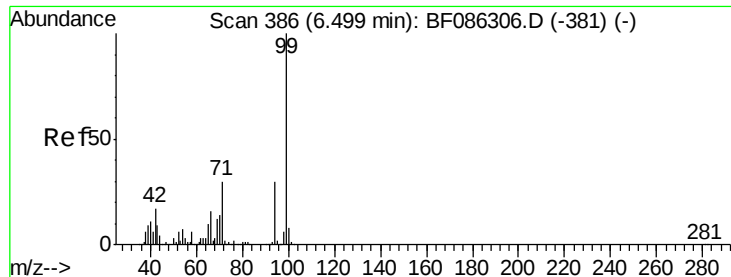
Ion Ratio Lower Upper

93 100

66 51.0 32.2 48.2#

65 26.3 16.4 24.6#





#7

Phenol-d6

Concen: 123.09 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.02 min

Lab File: BF086321.D

Acq: 20 Apr 2016 21:10

Instrument :

BNA_F

ClientSampleId :

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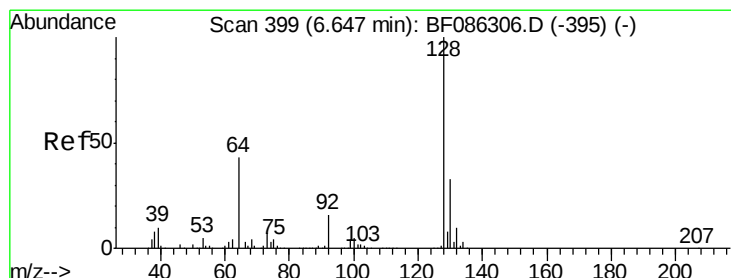
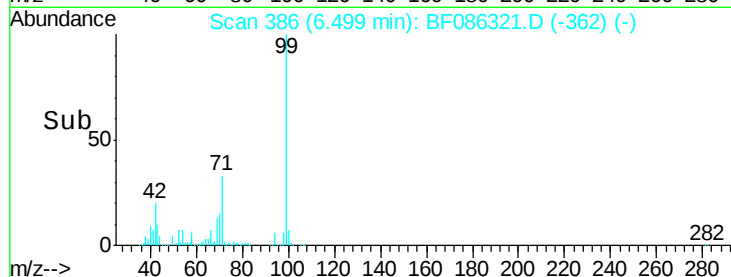
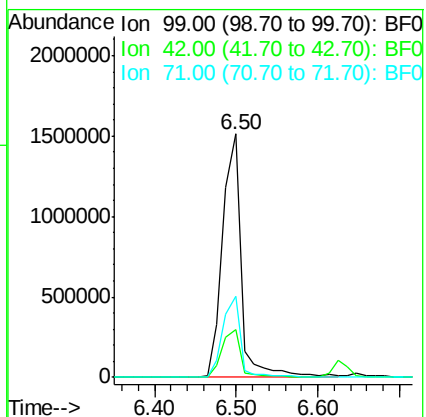
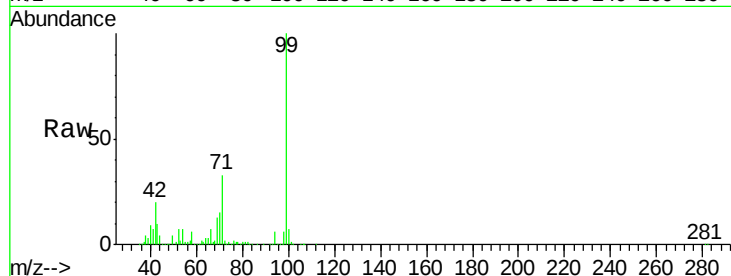
Tgt Ion: 99 Resp: 2421141

Ion Ratio Lower Upper

99 100

42 19.9 15.4 23.2

71 33.1 25.6 38.4



#8

2-Chlorophenol

Concen: 17.90 ng

RT: 6.65 min Scan# 399

Delta R.T. -0.02 min

Lab File: BF086321.D

Acq: 20 Apr 2016 21:10

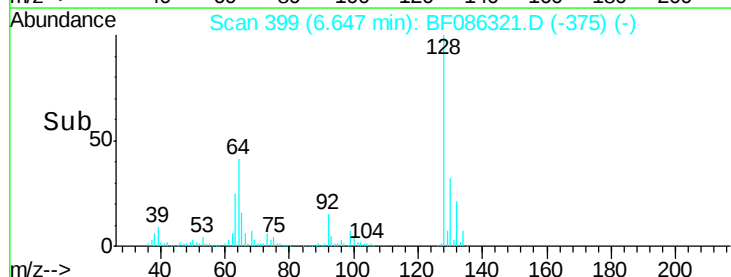
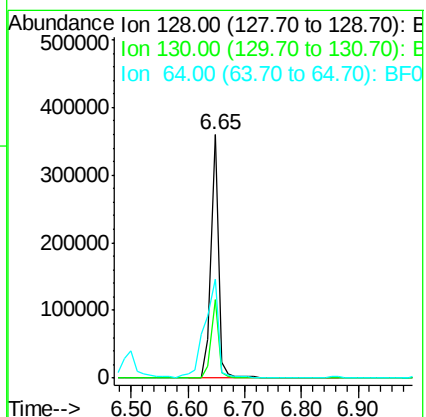
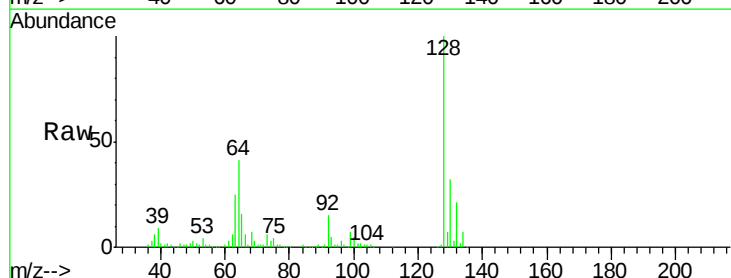
Tgt Ion: 128 Resp: 319664

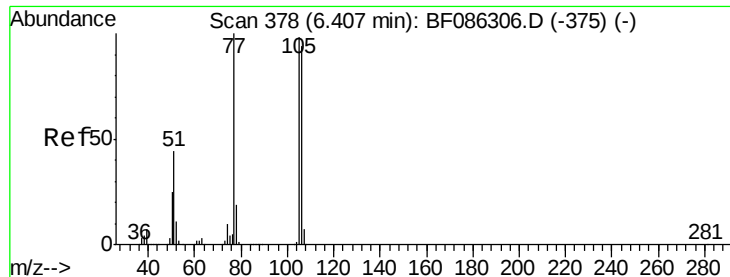
Ion Ratio Lower Upper

128 100

130 32.1 11.8 51.8

64 40.7 39.5 79.5





#9

Benzaldehyde

Concen: 21.01 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.03 min

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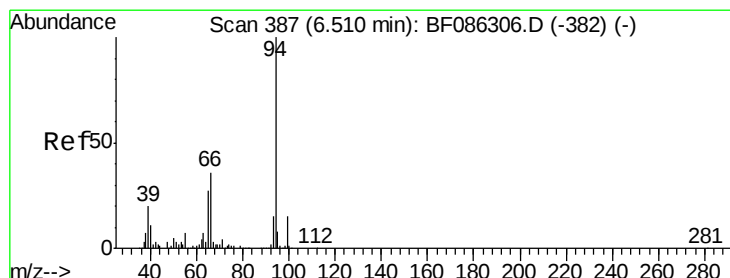
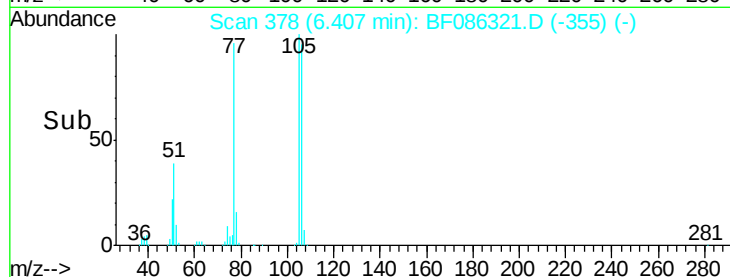
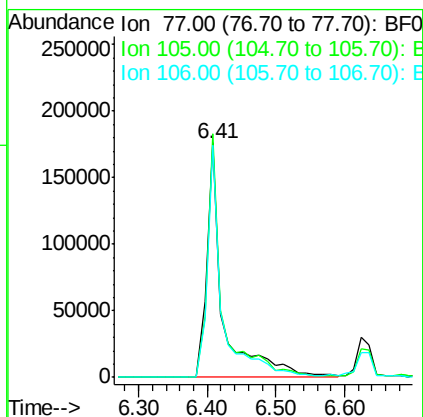
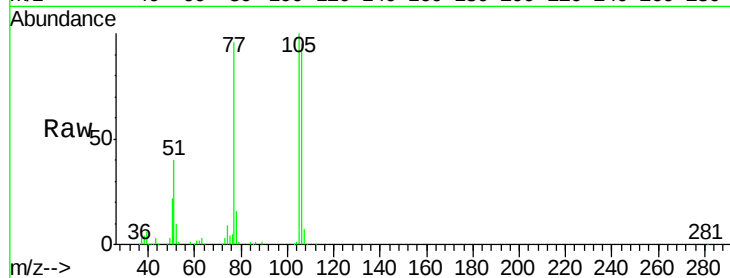
Tgt Ion: 77 Resp: 292863

Ion Ratio Lower Upper

77 100

105 103.9 84.6 124.6

106 98.9 78.6 118.6



#10

Phenol

Concen: 16.23 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.02 min

Lab File: BF086321.D

Acq: 20 Apr 2016 21:10

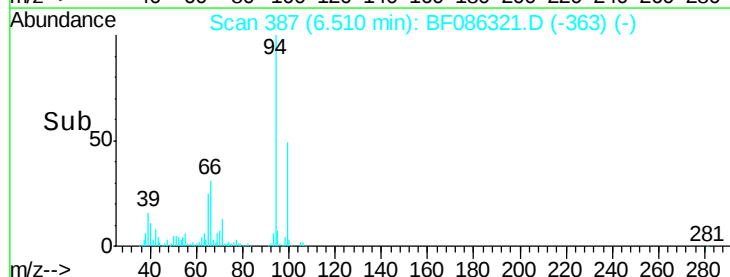
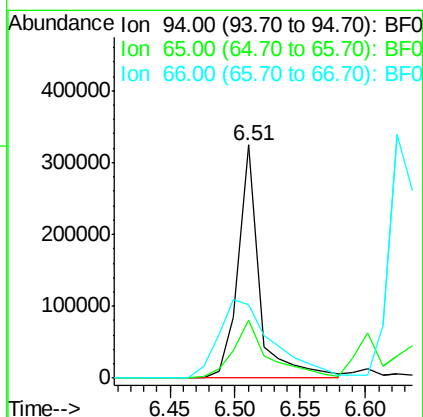
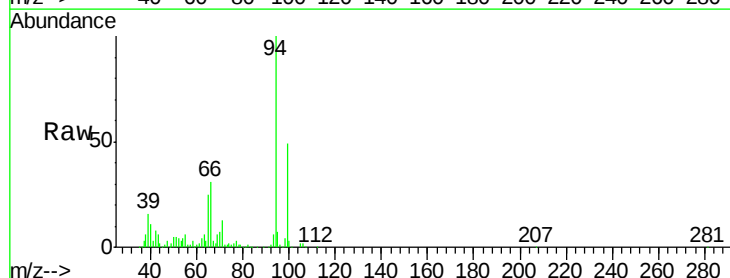
Tgt Ion: 94 Resp: 365944

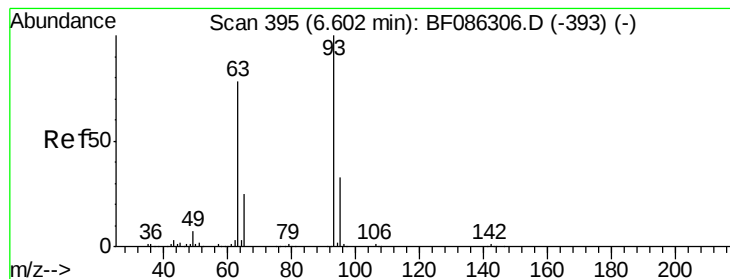
Ion Ratio Lower Upper

94 100

65 24.7 7.9 47.9

66 31.4 16.5 56.5





#11

bis(2-Chloroethyl)ether

Concen: 17.55 ng

RT: 6.60 min Scan# 395

Delta R.T. -0.02 min

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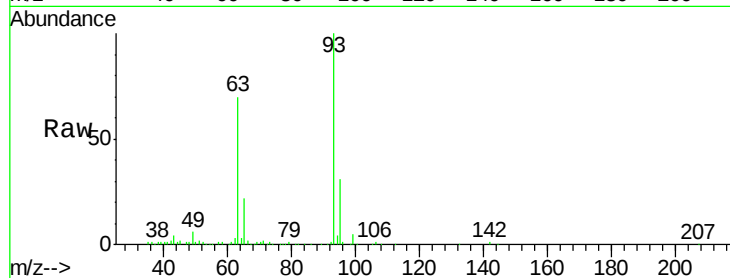
Tgt Ion: 93 Resp: 345534

Ion Ratio Lower Upper

93 100

63 70.0 44.4 84.4

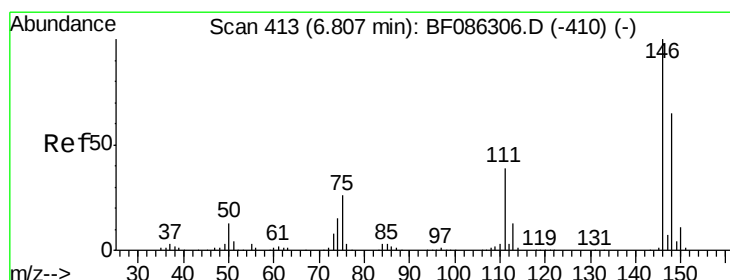
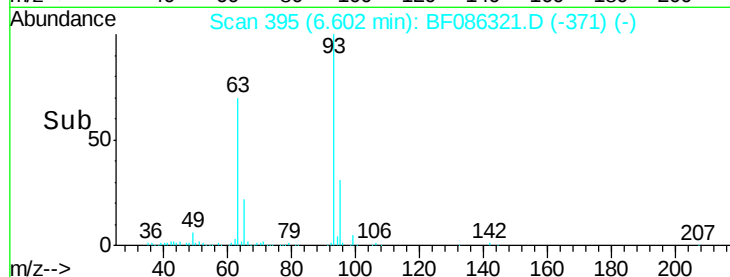
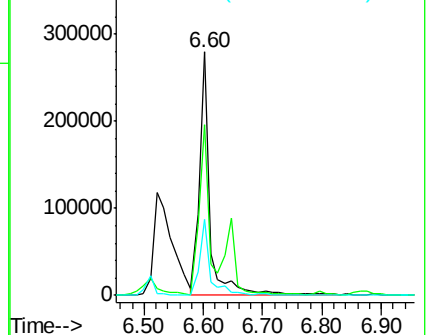
95 31.2 13.1 53.1



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0



#12

1,3-Dichlorobenzene

Concen: 17.56 ng

RT: 6.80 min Scan# 412

Delta R.T. -0.03 min

Lab File: BF086321.D

Acq: 20 Apr 2016 21:10

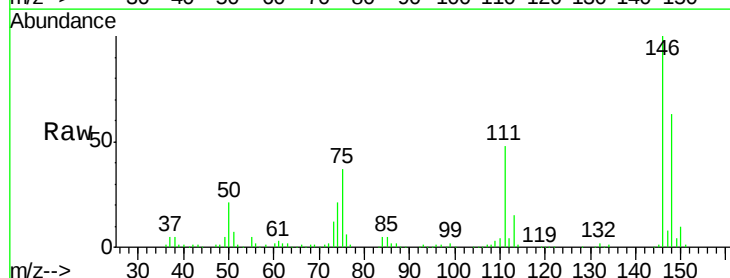
Tgt Ion: 146 Resp: 343987

Ion Ratio Lower Upper

146 100

148 62.8 51.0 76.4

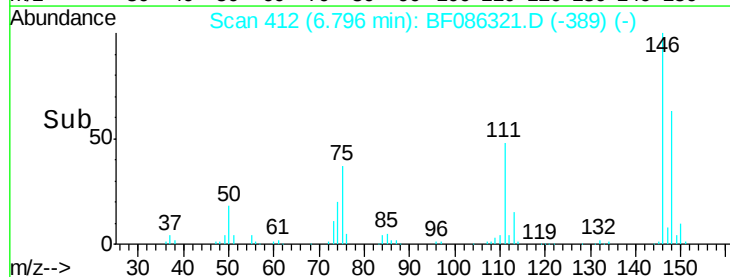
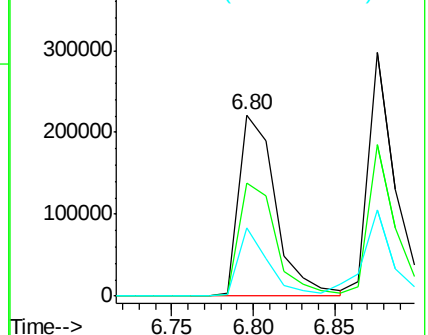
75 37.4 29.9 44.9

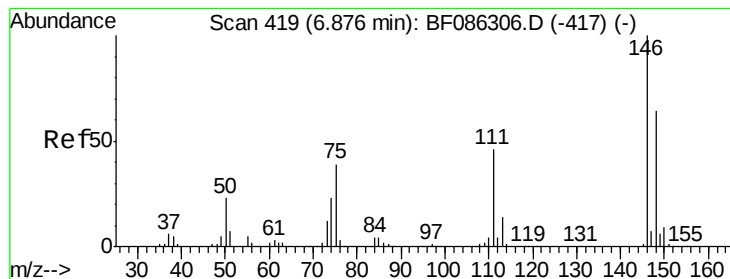


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0





#13

1,4-Dichlorobenzene

Concen: 17.88 ng

RT: 6.88 min Scan# 419

Delta R.T. -0.03 min

Lab File: BF086321.D

Acq: 20 Apr 2016 21:10

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

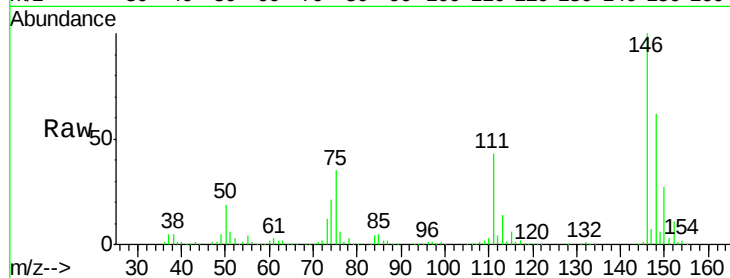
Tgt Ion:146 Resp: 374228

Ion Ratio Lower Upper

146 100

148 62.4 51.8 77.6

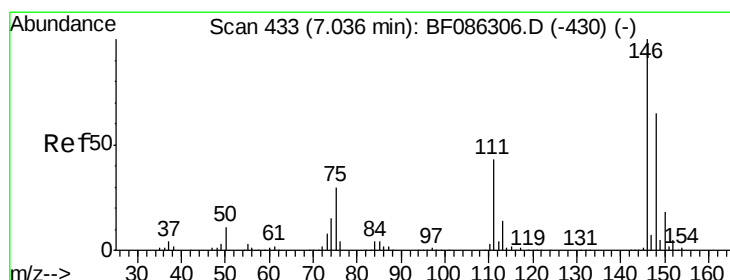
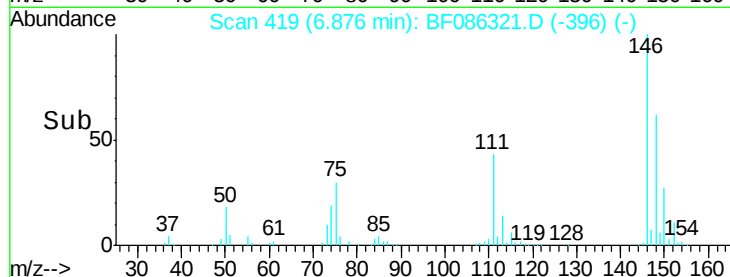
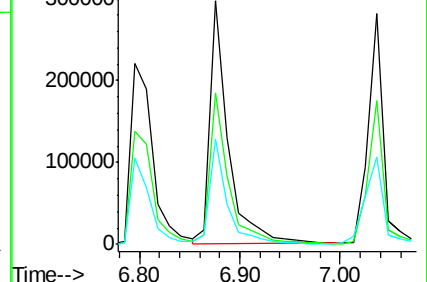
111 43.1 34.9 52.3



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: 16.21 ng

RT: 7.04 min Scan# 433

Delta R.T. -0.03 min

Lab File: BF086321.D

Acq: 20 Apr 2016 21:10

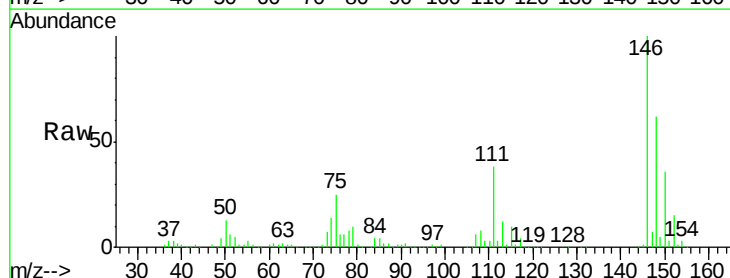
Tgt Ion:146 Resp: 301007

Ion Ratio Lower Upper

146 100

148 62.3 52.2 78.2

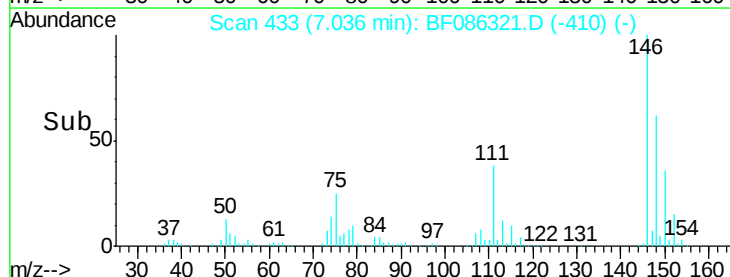
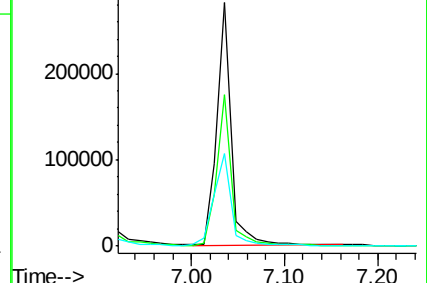
111 37.8 31.0 46.4

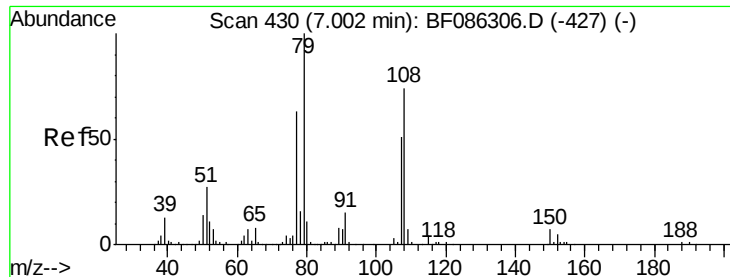


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 19.38 ng

RT: 7.00 min Scan# 430

Delta R.T. -0.03 min

Lab File: BF086321.D

Acq: 20 Apr 2016 21:10

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

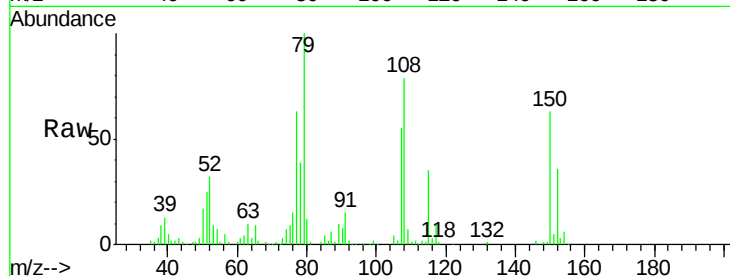
Tgt Ion: 79 Resp: 236818

Ion Ratio Lower Upper

79 100

108 78.6 64.8 97.2

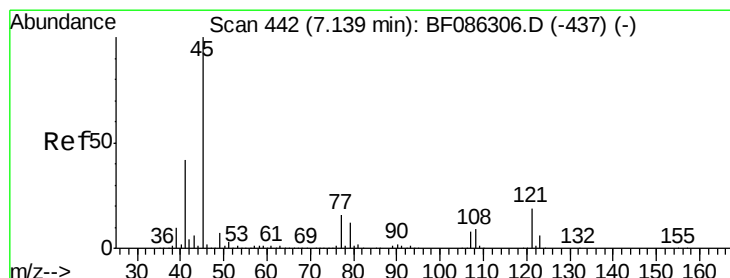
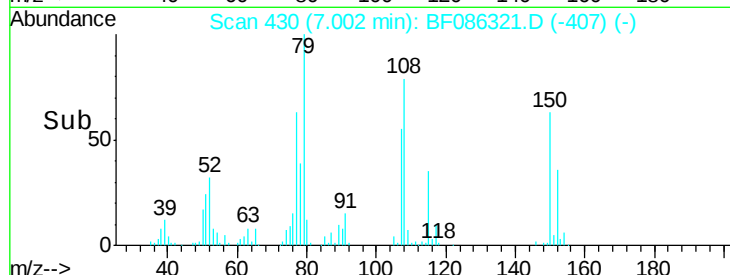
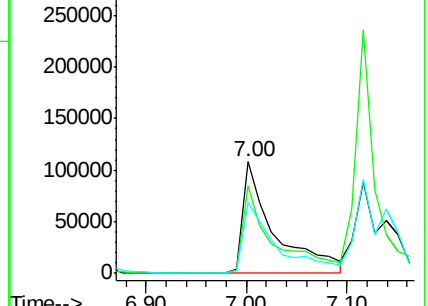
77 63.4 51.9 77.9



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 16.98 ng

RT: 7.14 min Scan# 442

Delta R.T. -0.03 min

Lab File: BF086321.D

Acq: 20 Apr 2016 21:10

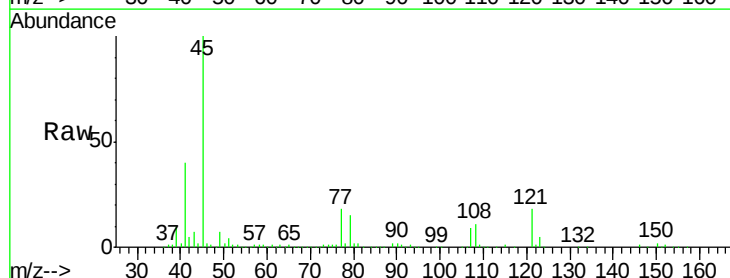
Tgt Ion: 45 Resp: 470384

Ion Ratio Lower Upper

45 100

77 17.8 0.0 33.7

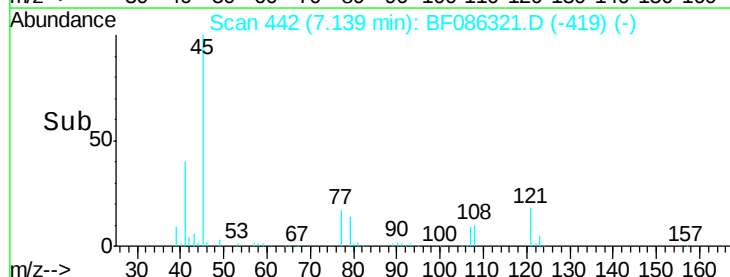
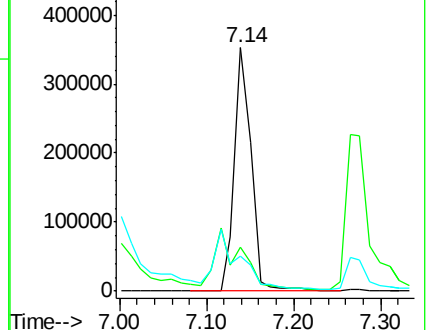
79 14.6 0.0 30.1

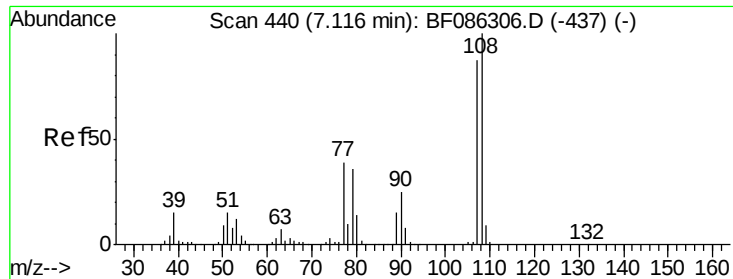


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

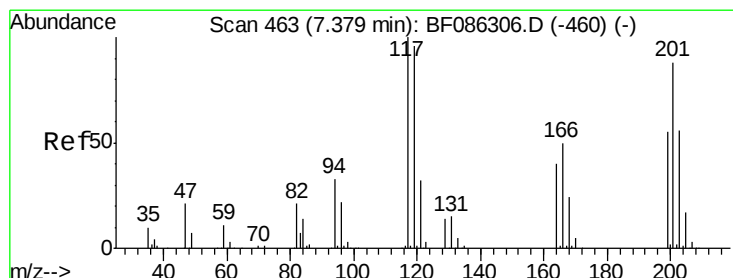
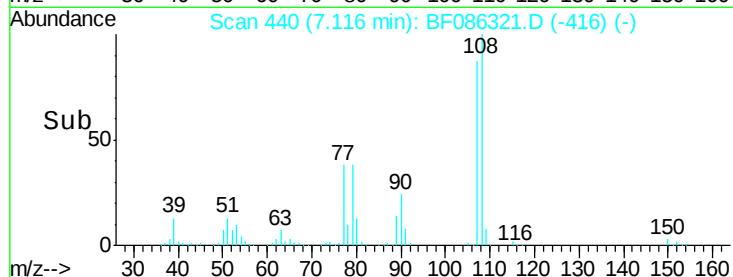
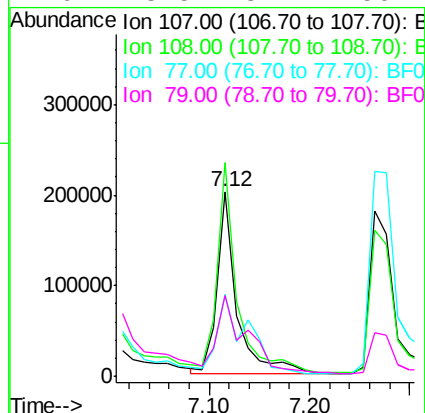
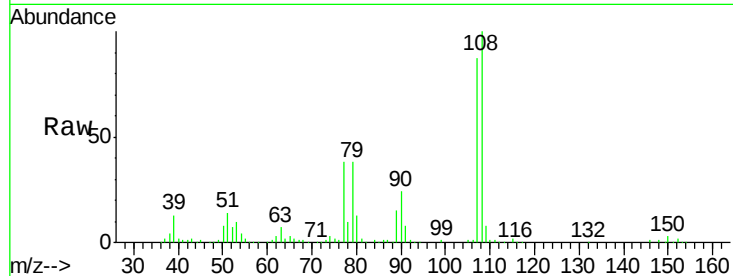




#17
2-Methylphenol
Concen: 18.30 ng
RT: 7.12 min Scan# 440
Delta R.T. -0.02 min
Lab File: BF086321.D
Acq: 20 Apr 2016 21:10

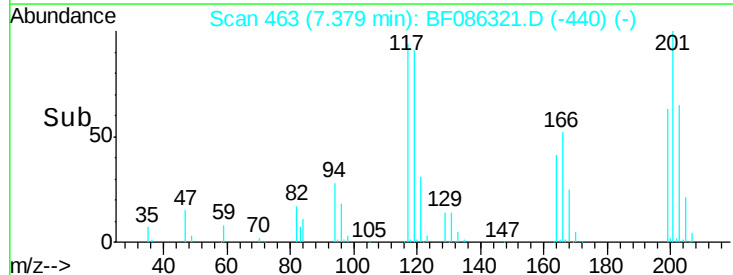
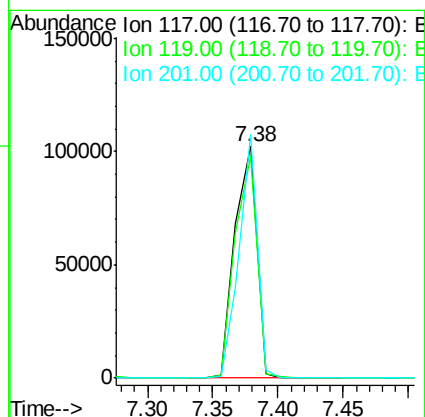
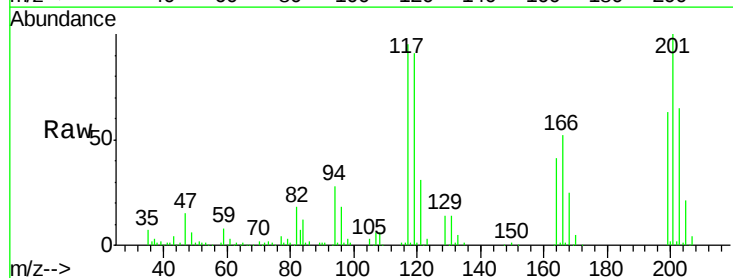
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

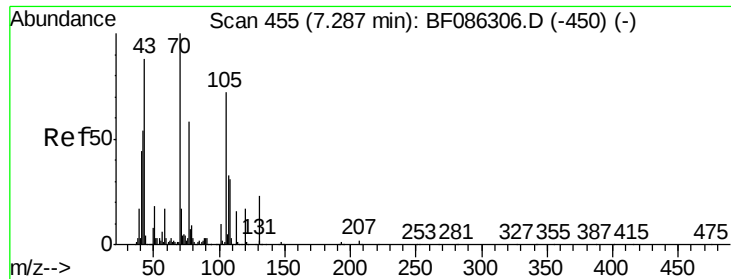
Tgt Ion:107 Resp: 273114
Ion Ratio Lower Upper
107 100
108 115.5 92.7 139.1
77 44.3 39.6 59.4
79 43.5 37.4 56.2



#18
Hexachloroethane
Concen: 19.20 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.03 min
Lab File: BF086321.D
Acq: 20 Apr 2016 21:10

Tgt Ion:117 Resp: 119762
Ion Ratio Lower Upper
117 100
119 95.7 78.2 117.4
201 105.1 75.7 113.5

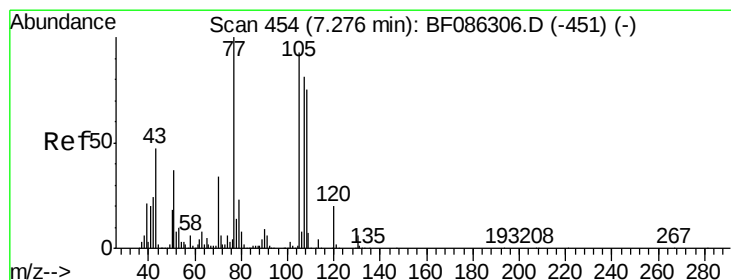
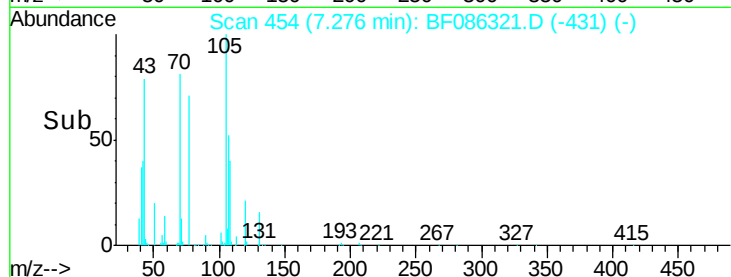
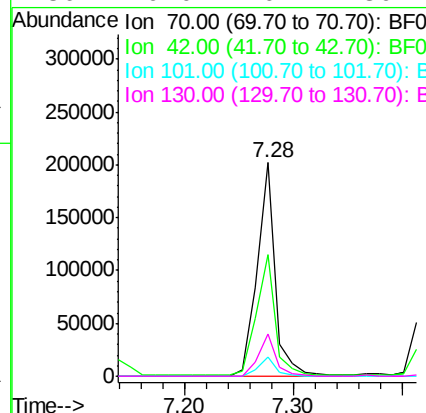
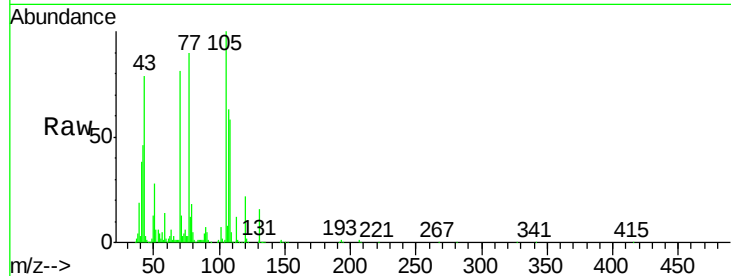




#19
n-Nitroso-di-n-propylamine
Concen: 19.70 ng
RT: 7.28 min Scan# 454
Delta R.T. -0.03 min
Lab File: BF086321.D
Acq: 20 Apr 2016 21:10

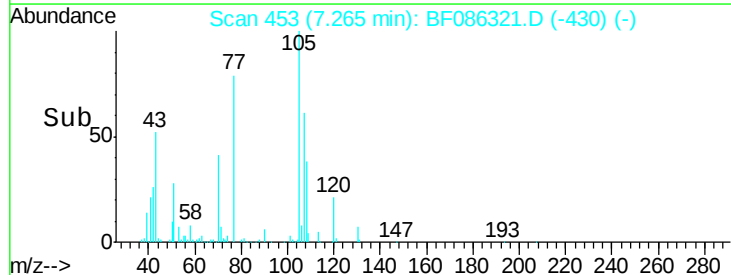
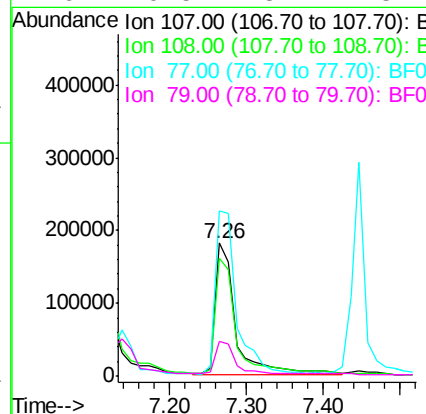
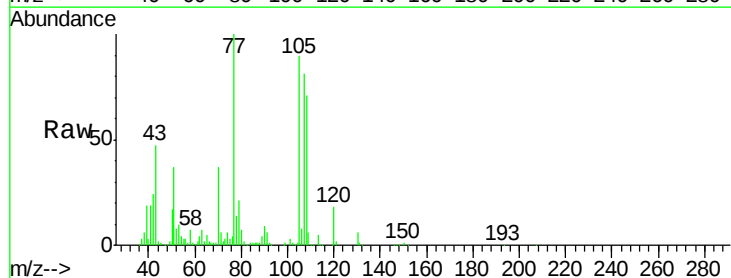
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

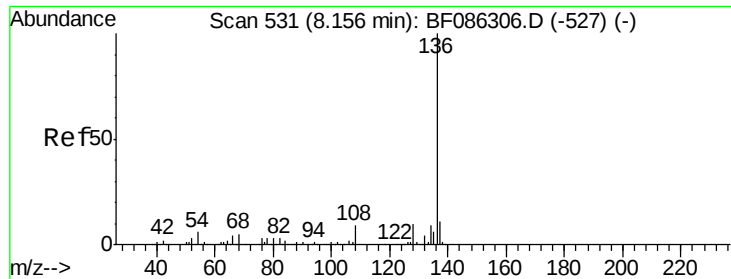
Tgt Ion:	70	Resp:	234727
Ion	Ratio	Lower	Upper
70	100		
42	56.9	43.0	64.4
101	9.2	8.1	12.1
130	20.0	20.1	30.1#



#20
3+4-Methylphenols
Concen: 20.58 ng
RT: 7.26 min Scan# 453
Delta R.T. -0.03 min
Lab File: BF086321.D
Acq: 20 Apr 2016 21:10

Tgt Ion:	107	Resp:	333147
Ion	Ratio	Lower	Upper
107	100		
108	88.2	69.7	109.7
77	123.9	60.5	100.5#
79	26.5	8.1	48.1

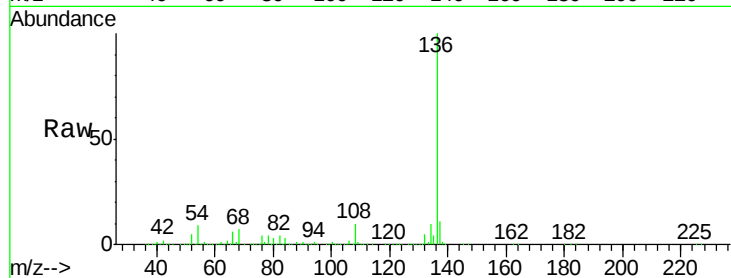




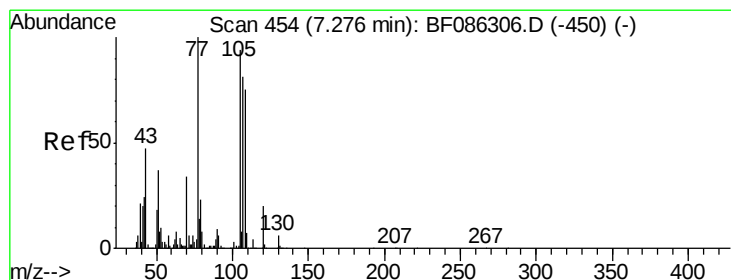
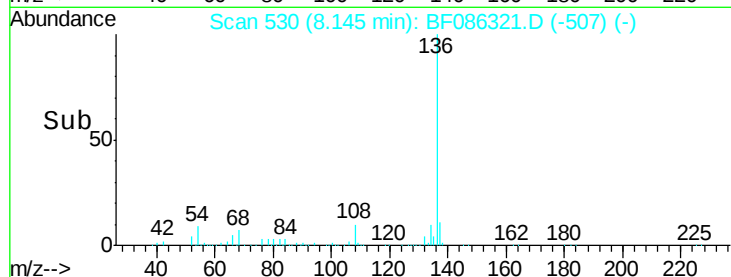
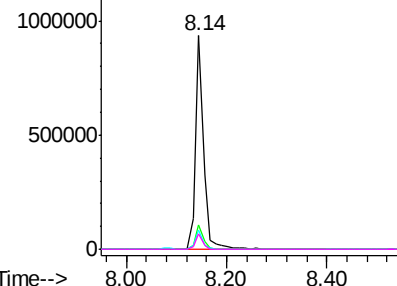
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 530
Delta R.T. -0.03 min
Lab File: BF086321.D
Acq: 20 Apr 2016 21:10

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:	136	Resp:	1048047
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	9.0	7.3	10.9
68	7.3	5.7	8.5

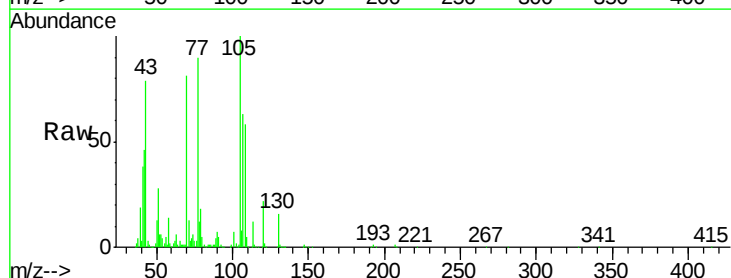


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

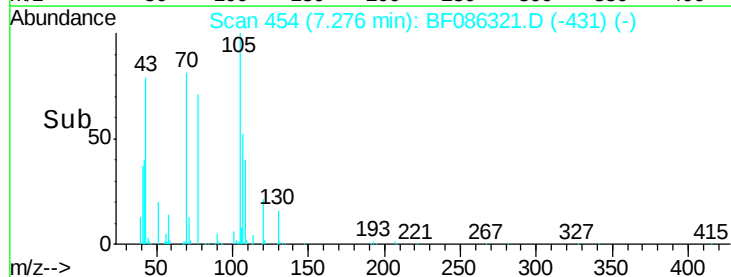
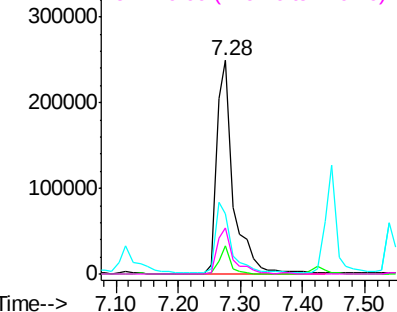


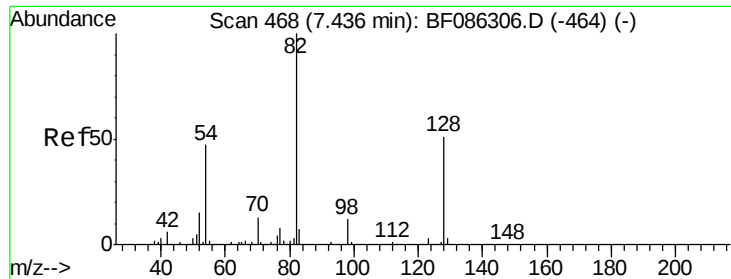
#22
Acetophenone
Concen: 21.18 ng
RT: 7.28 min Scan# 454
Delta R.T. -0.03 min
Lab File: BF086321.D
Acq: 20 Apr 2016 21:10

Tgt Ion:	105	Resp:	466352
Ion	Ratio	Lower	Upper
105	100		
71	13.3	4.0	6.0#
51	28.1	22.0	33.0
120	21.7	17.5	26.3



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF0
Ion 51.00 (50.70 to 51.70): BF0
Ion 120.00 (119.70 to 120.70): E

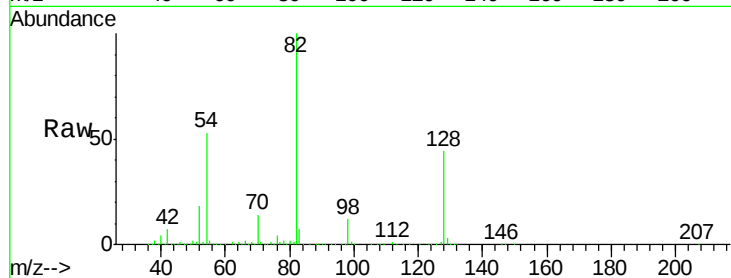




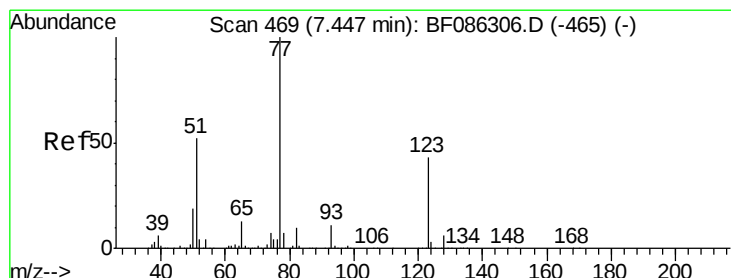
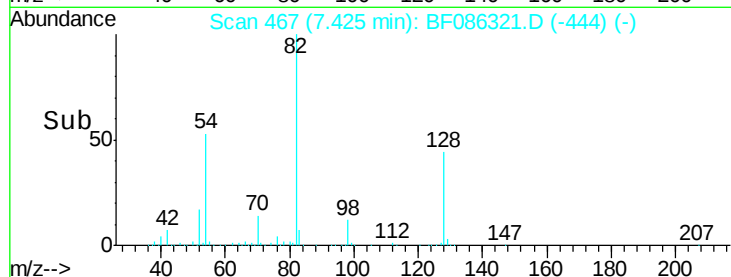
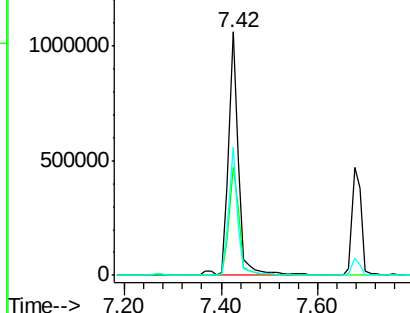
#23
Nitrobenzene-d5
Concen: 83.90 ng
RT: 7.42 min Scan# 467
Delta R.T. -0.03 min
Lab File: BF086321.D
Acq: 20 Apr 2016 21:10

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion: 82 Resp: 1535427
Ion Ratio Lower Upper
82 100
128 44.2 35.4 53.2
54 52.7 43.4 65.0

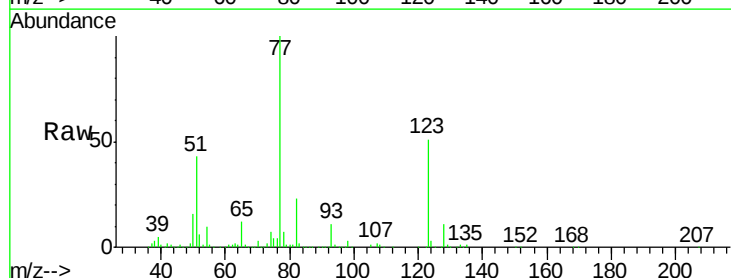


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

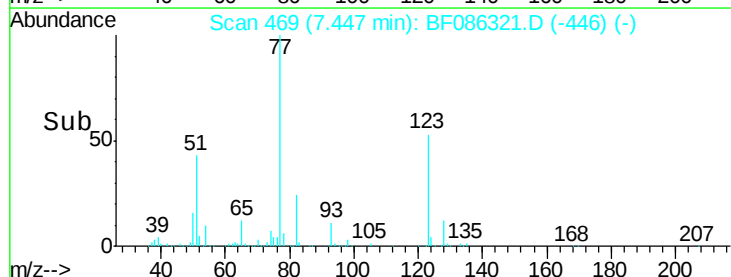
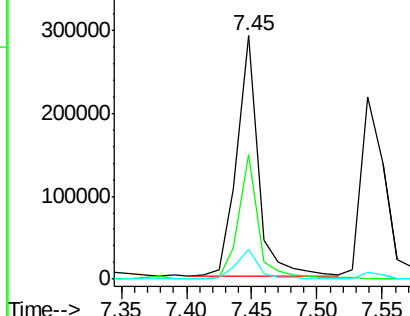


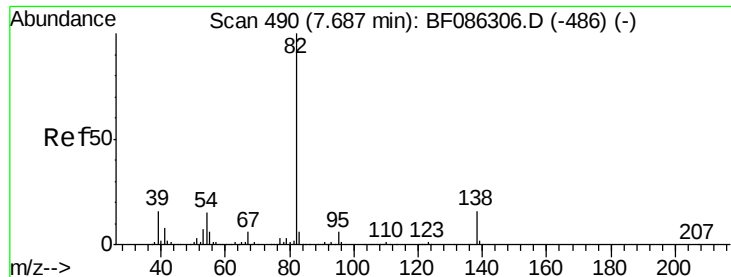
#24
Nitrobenzene
Concen: 17.12 ng
RT: 7.45 min Scan# 469
Delta R.T. -0.03 min
Lab File: BF086321.D
Acq: 20 Apr 2016 21:10

Tgt Ion: 77 Resp: 335205
Ion Ratio Lower Upper
77 100
123 51.4 38.3 57.5
65 12.3 11.3 16.9



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 123.00 (122.70 to 123.70): BF0
Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 17.77 ng

RT: 7.68 min Scan# 489

Delta R.T. -0.05 min

Lab File: BF086321.D

Acq: 20 Apr 2016 21:10

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

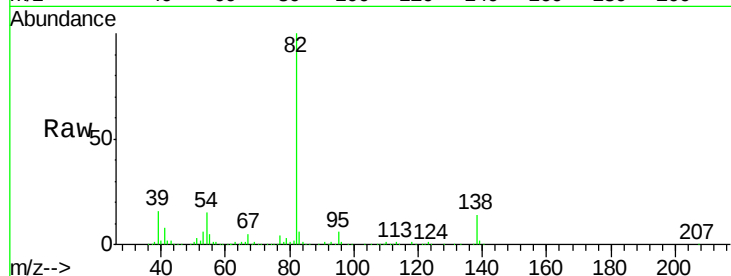
Tgt Ion: 82 Resp: 616002

Ion Ratio Lower Upper

82 100

95 5.8 5.4 8.2

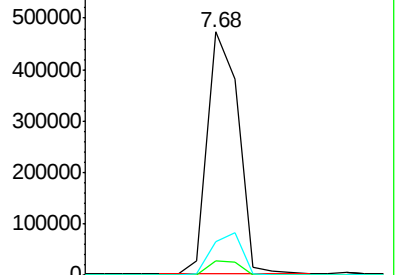
138 13.9 13.4 20.2



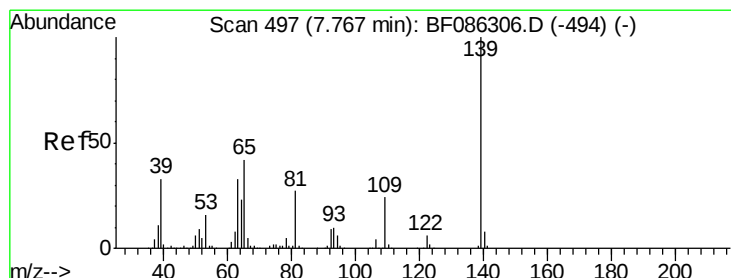
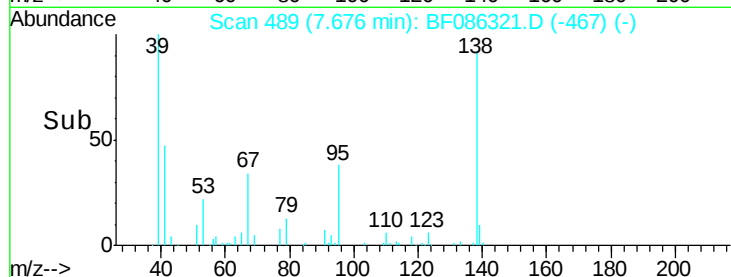
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



Time--> 7.60 7.65 7.70 7.75



#26

2-Nitrophenol

Concen: 18.84 ng

RT: 7.77 min Scan# 497

Delta R.T. -0.02 min

Lab File: BF086321.D

Acq: 20 Apr 2016 21:10

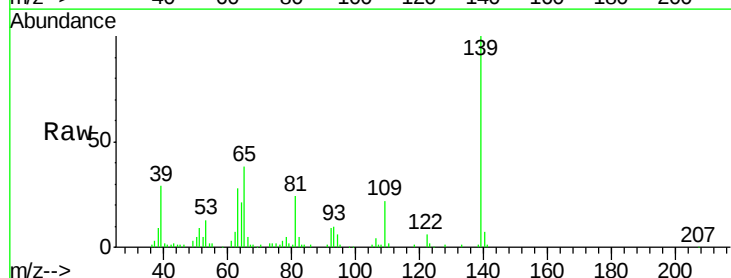
Tgt Ion: 139 Resp: 164942

Ion Ratio Lower Upper

139 100

109 22.3 25.8 38.8#

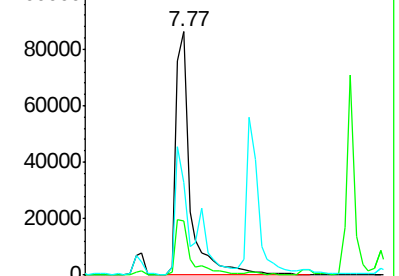
65 37.9 50.2 75.2#



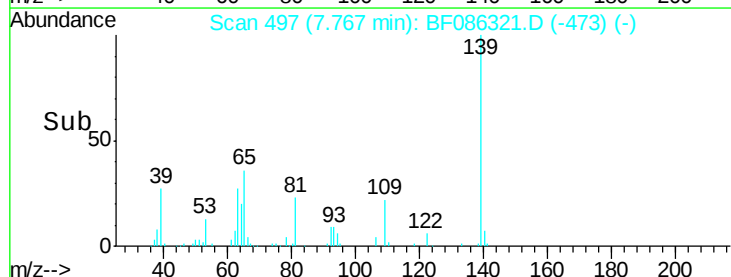
Abundance Ion 139.00 (138.70 to 139.70): E

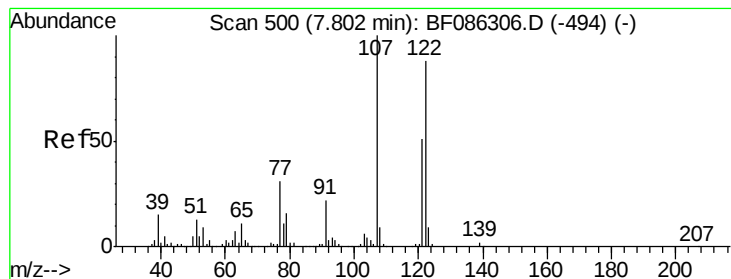
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



Time--> 7.60 7.80 8.00





#27

2,4-Dimethylphenol

Concen: 17.26 ng

RT: 7.80 min Scan# 500

Delta R.T. -0.03 min

Lab File: BF086321.D

Acq: 20 Apr 2016 21:10

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

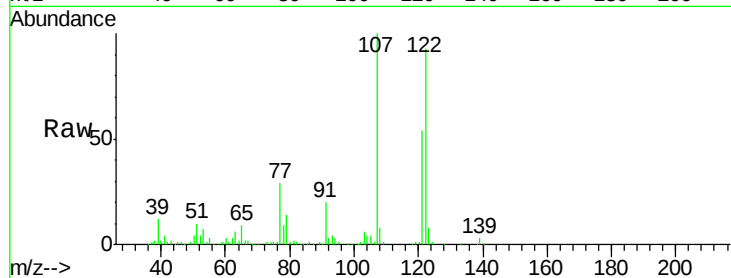
Tgt Ion:122 Resp: 296451

Ion Ratio Lower Upper

122 100

107 107.7 85.8 128.6

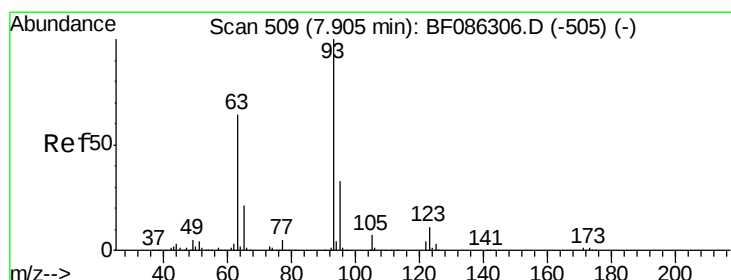
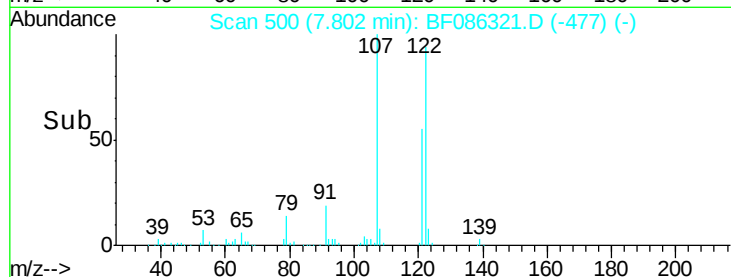
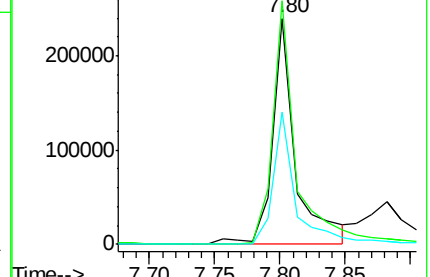
121 58.6 47.1 70.7



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: 19.76 ng

RT: 7.89 min Scan# 508

Delta R.T. -0.03 min

Lab File: BF086321.D

Acq: 20 Apr 2016 21:10

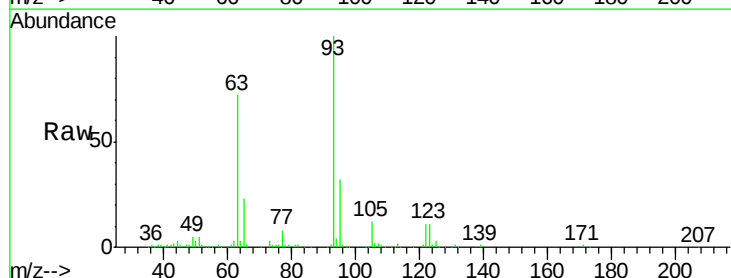
Tgt Ion: 93 Resp: 400573

Ion Ratio Lower Upper

93 100

95 31.7 25.8 38.8

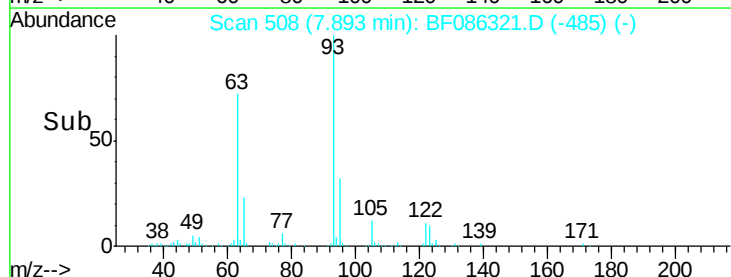
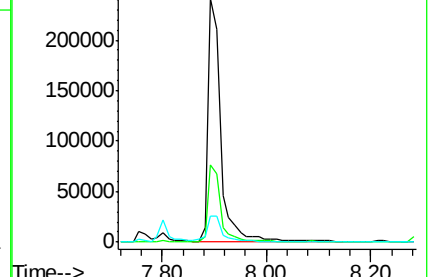
123 10.6 8.9 13.3

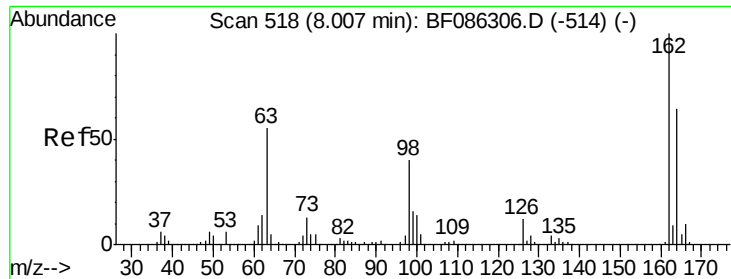


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

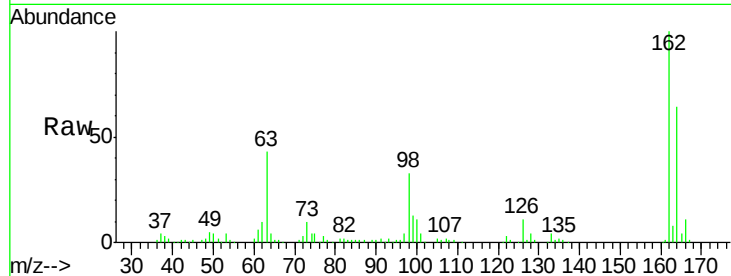




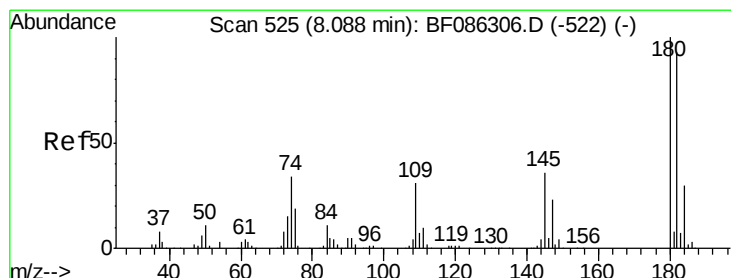
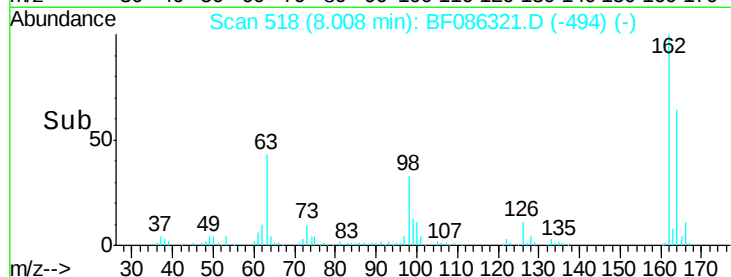
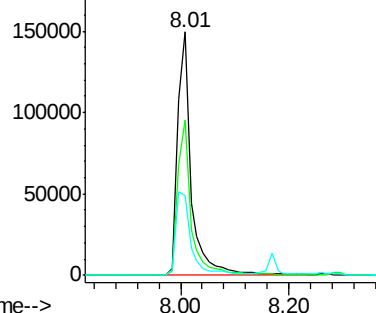
#29
 2,4-Dichlorophenol
 Concen: 19.45 ng
 RT: 8.01 min Scan# 518
 Delta R.T. -0.02 min
 Lab File: BF086321.D
 Acq: 20 Apr 2016 21:10

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

Tgt Ion	Ratio	Lower	Upper
162	100		
164	64.0	43.3	83.3
98	32.7	22.9	62.9

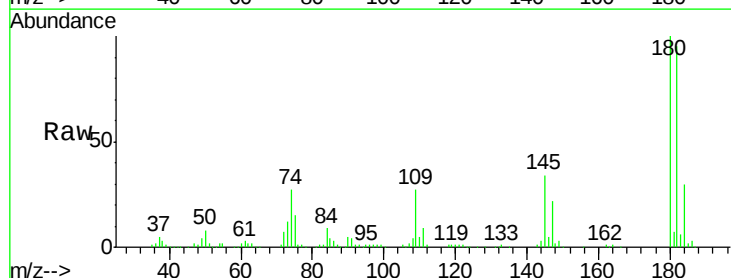


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

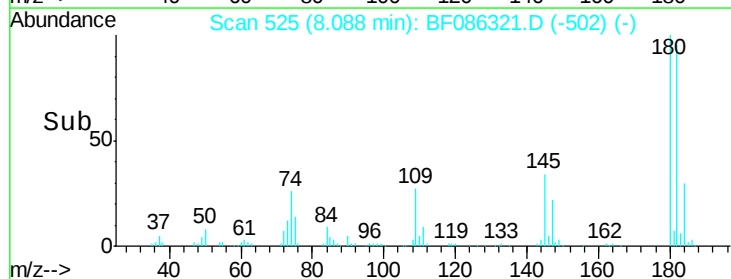
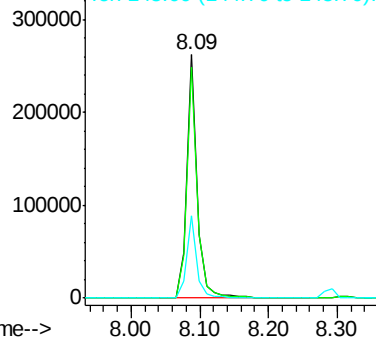


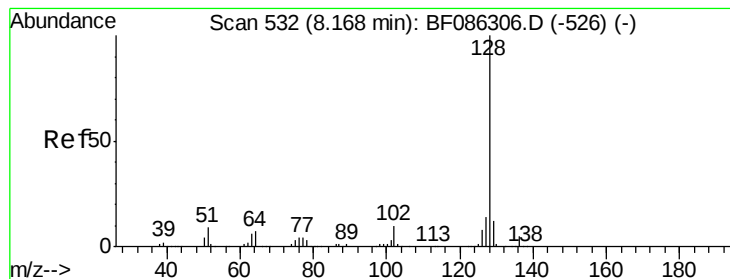
#30
 1,2,4-Trichlorobenzene
 Concen: 19.39 ng
 RT: 8.09 min Scan# 525
 Delta R.T. -0.03 min
 Lab File: BF086321.D
 Acq: 20 Apr 2016 21:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.3	114.5
145	34.0	27.4	41.2



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: 20.27 ng

RT: 8.17 min Scan# 532

Delta R.T. -0.03 min

Lab File: BF086321.D

Acq: 20 Apr 2016 21:10

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

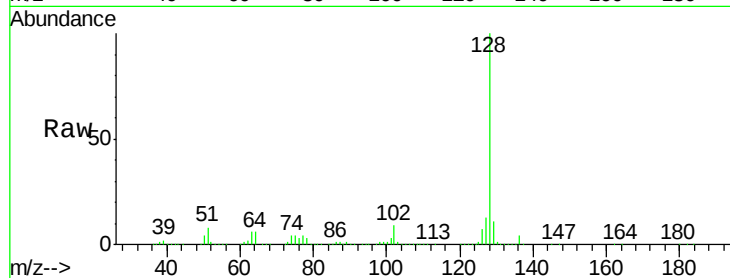
Tgt Ion:128 Resp: 1012811

Ion Ratio Lower Upper

128 100

129 11.1 9.6 14.4

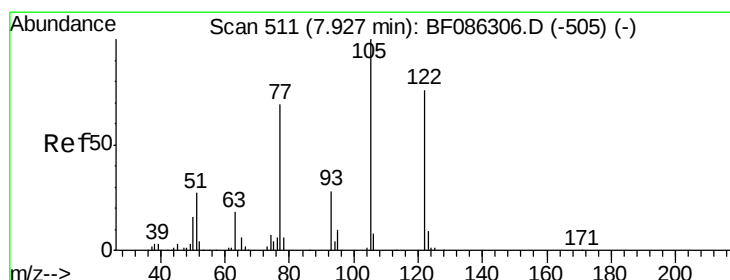
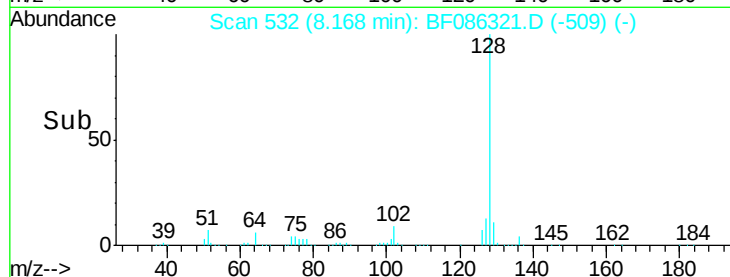
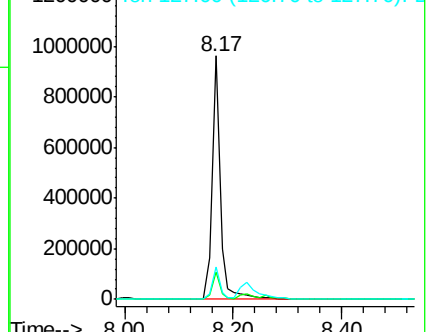
127 13.3 11.4 17.2



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: 13.53 ng

RT: 7.88 min Scan# 507

Delta R.T. -0.06 min

Lab File: BF086321.D

Acq: 20 Apr 2016 21:10

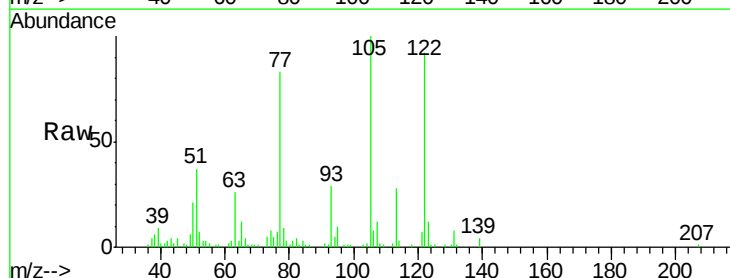
Tgt Ion:122 Resp: 138137

Ion Ratio Lower Upper

122 100

105 109.1 103.7 143.7

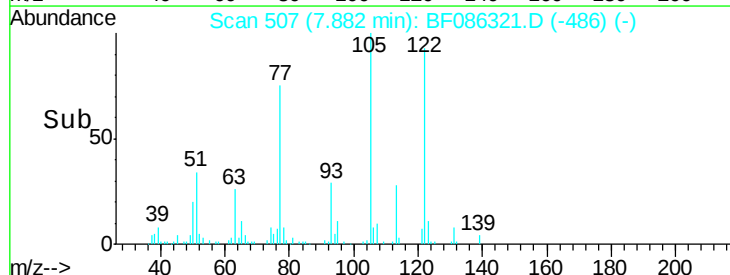
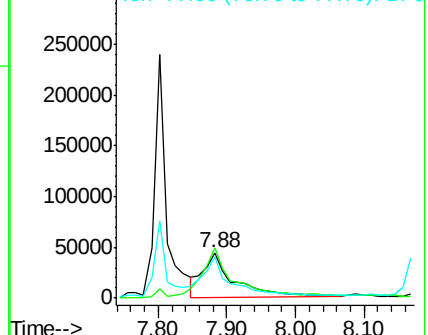
77 90.8 74.9 114.9

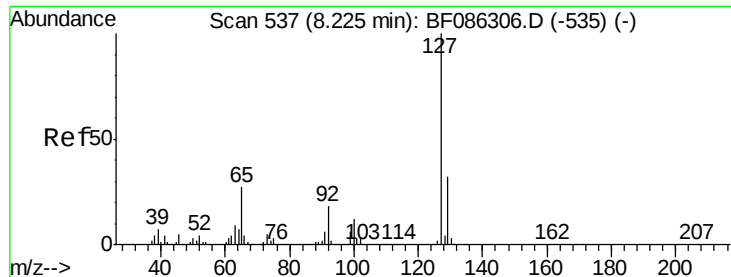


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

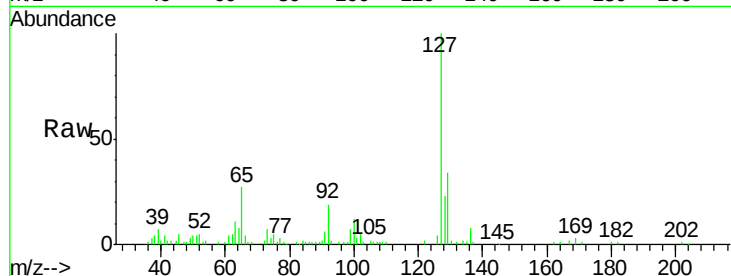




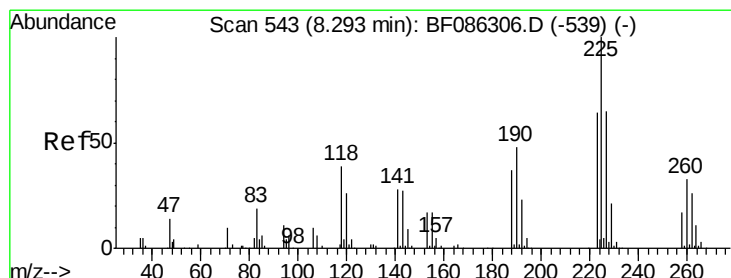
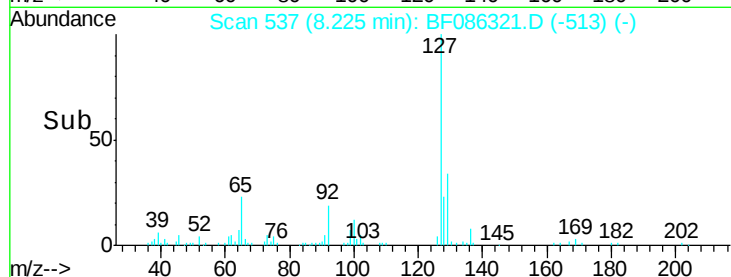
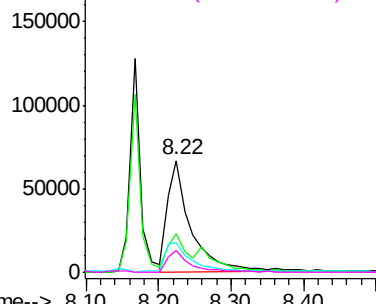
#33
4-Chloroaniline
Concen: 7.12 ng
RT: 8.22 min Scan# 537
Delta R.T. -0.02 min
Lab File: BF086321.D
Acq: 20 Apr 2016 21:10

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:	127	Resp:	147243
Ion	Ratio	Lower	Upper
127	100		
129	34.3	26.8	40.2
65	26.7	27.1	40.7#
92	19.0	16.2	24.2

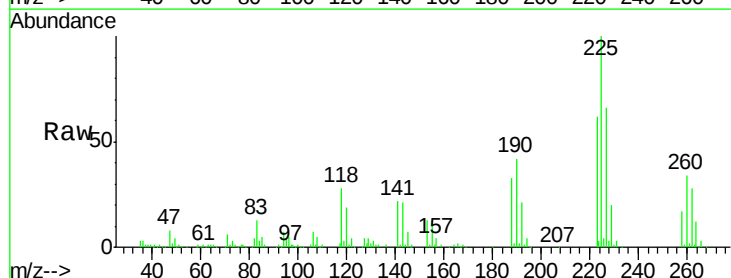


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

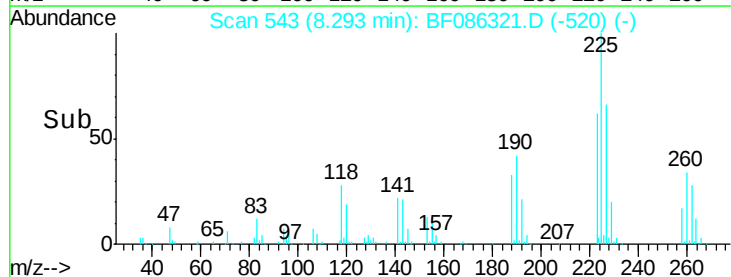
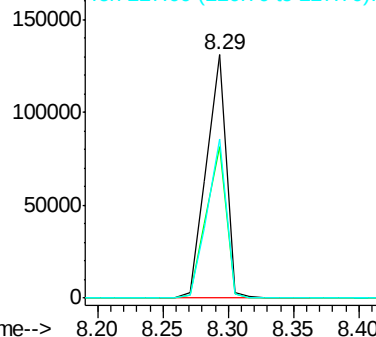


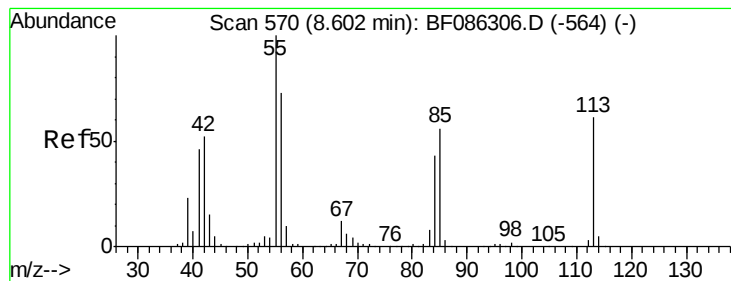
#34
Hexachlorobutadiene
Concen: 18.82 ng
RT: 8.29 min Scan# 543
Delta R.T. -0.03 min
Lab File: BF086321.D
Acq: 20 Apr 2016 21:10

Tgt Ion:	225	Resp:	138563
Ion	Ratio	Lower	Upper
225	100		
223	62.4	49.4	74.0
227	65.5	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: 17.64 ng

RT: 8.57 min Scan# 567

Delta R.T. -0.06 min

Lab File: BF086321.D

Acq: 20 Apr 2016 21:10

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

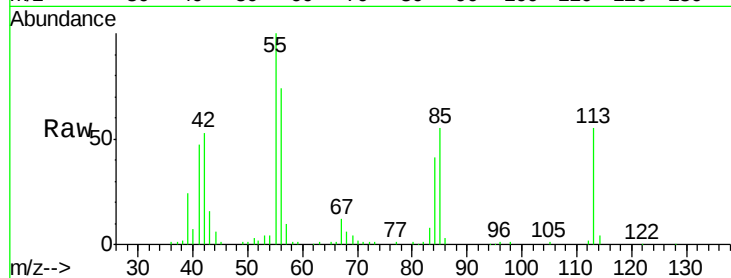
Tgt Ion:113 Resp: 77375

Ion Ratio Lower Upper

113 100

55 183.4 117.5 157.5#

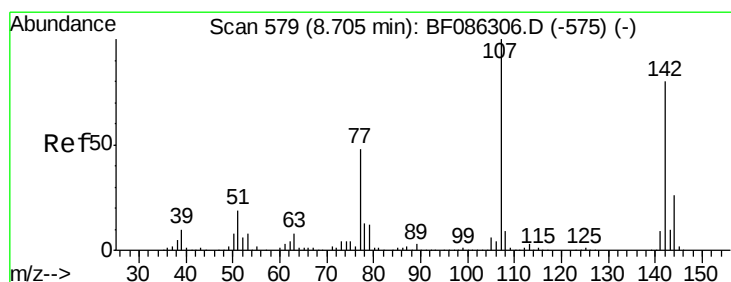
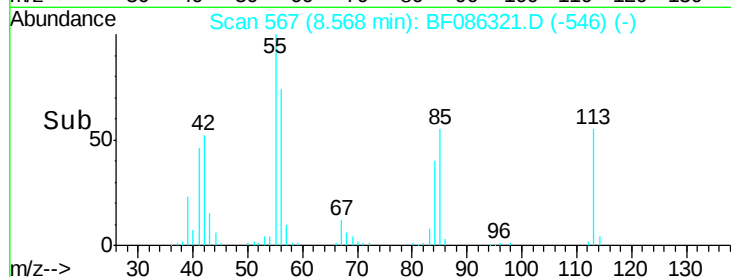
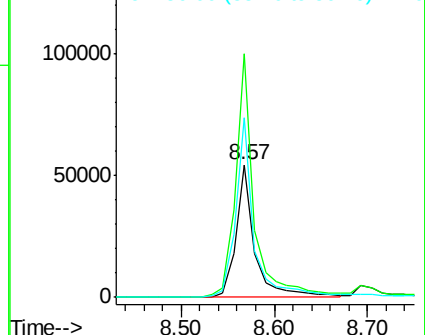
56 135.7 82.5 122.5#



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: 18.94 ng

RT: 8.69 min Scan# 578

Delta R.T. -0.03 min

Lab File: BF086321.D

Acq: 20 Apr 2016 21:10

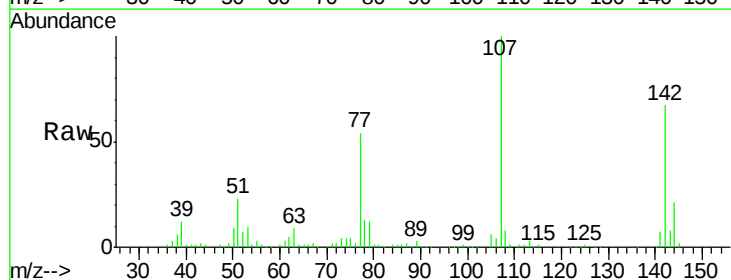
Tgt Ion:107 Resp: 288444

Ion Ratio Lower Upper

107 100

144 21.4 20.7 31.1

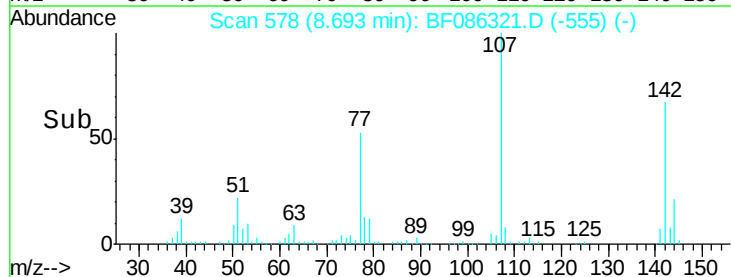
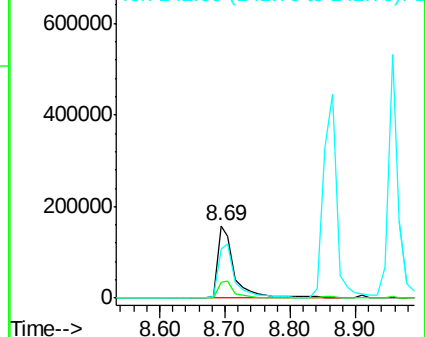
142 67.3 64.5 96.7

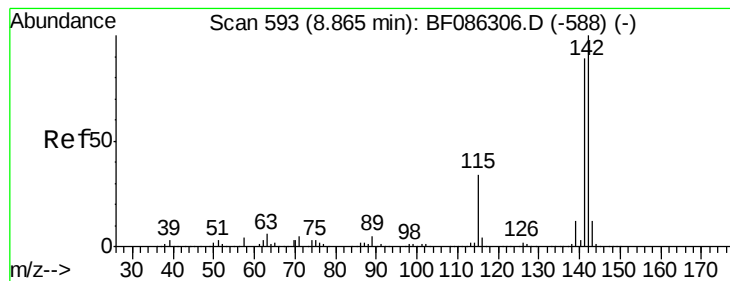


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

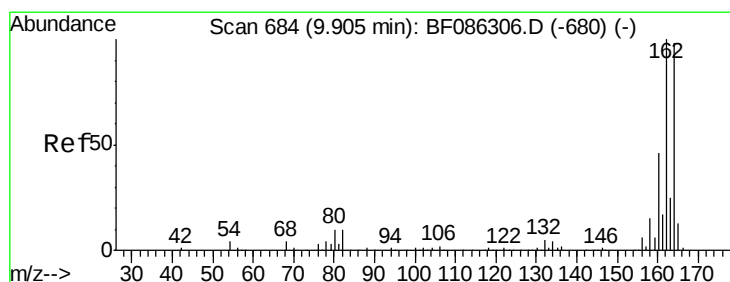
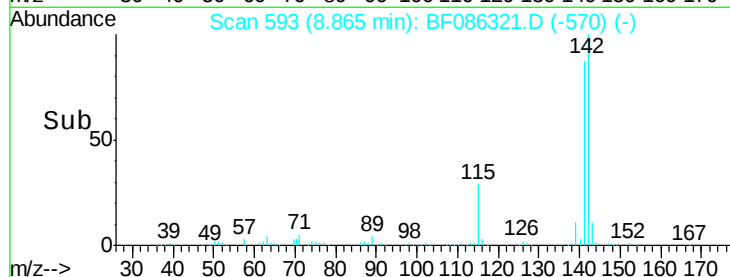
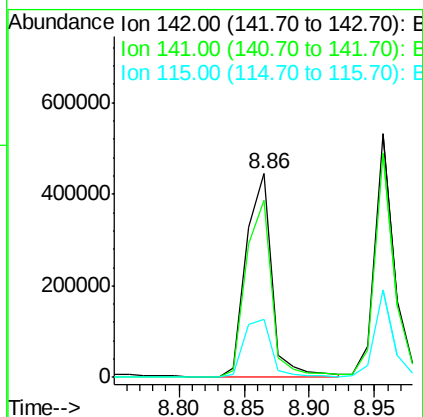
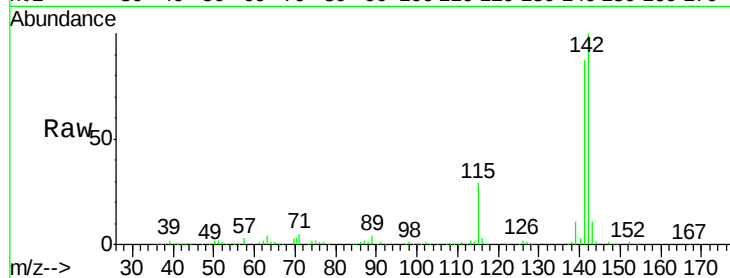




#37
 2-Methylnaphthalene
 Concen: 19.73 ng
 RT: 8.86 min Scan# 593
 Delta R.T. -0.03 min
 Lab File: BF086321.D
 Acq: 20 Apr 2016 21:10

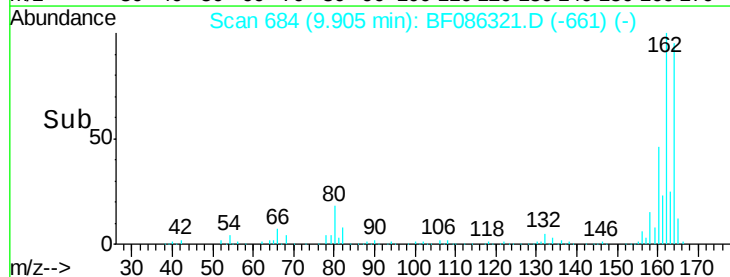
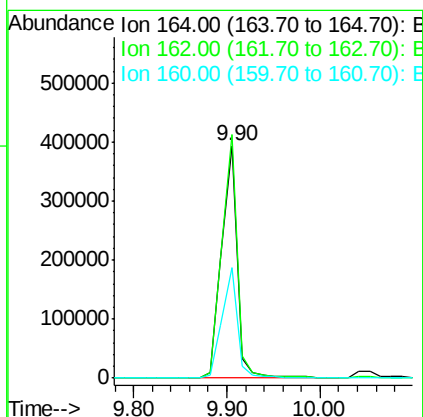
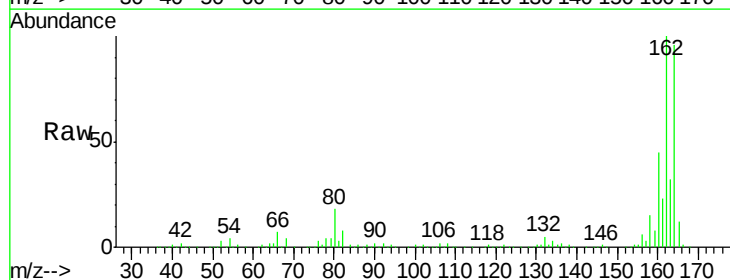
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

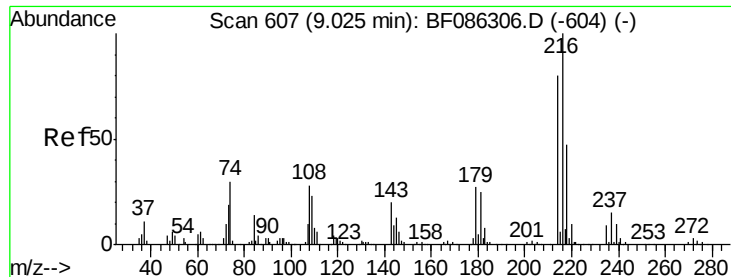
Tgt Ion:142 Resp: 608585
 Ion Ratio Lower Upper
 142 100
 141 87.3 71.1 106.7
 115 28.6 25.1 37.7



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.90 min Scan# 684
 Delta R.T. -0.03 min
 Lab File: BF086321.D
 Acq: 20 Apr 2016 21:10

Tgt Ion:164 Resp: 458722
 Ion Ratio Lower Upper
 164 100
 162 104.6 82.8 124.2
 160 47.5 38.9 58.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 20.39 ng

RT: 9.02 min Scan# 607

Delta R.T. -0.03 min

Lab File: BF086321.D

Acq: 20 Apr 2016 21:10

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

Tgt Ion:216 Resp: 249017

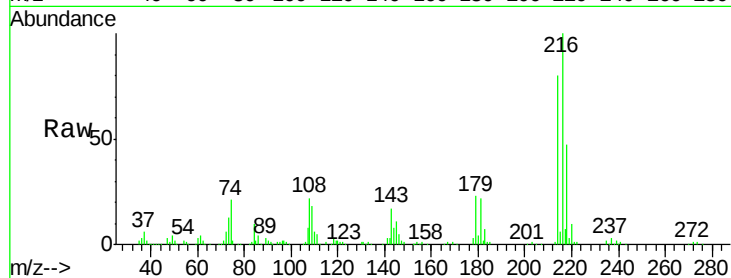
Ion Ratio Lower Upper

216 100

214 78.7 64.9 97.3

179 22.5 19.8 29.6

108 21.7 21.0 31.4

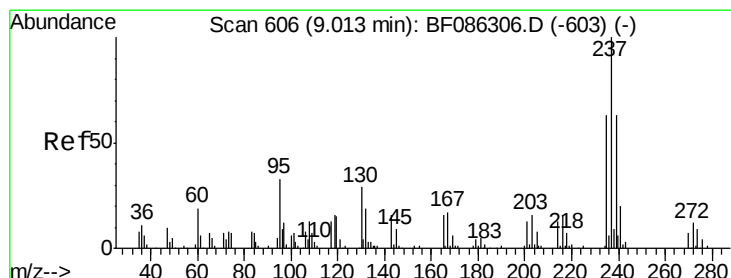
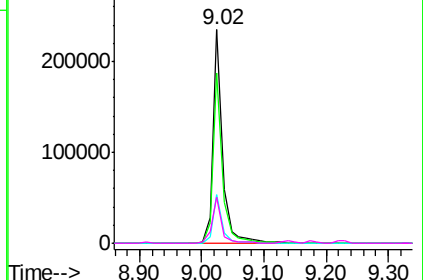
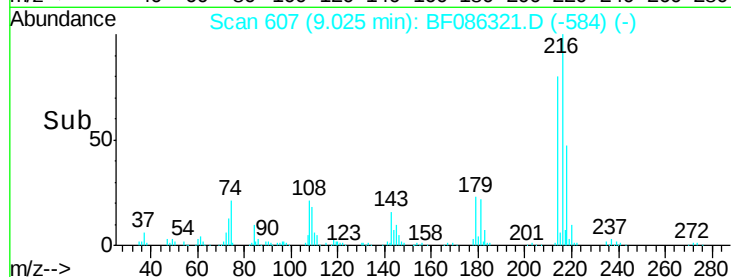


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 19.62 ng

RT: 9.01 min Scan# 606

Delta R.T. -0.03 min

Lab File: BF086321.D

Acq: 20 Apr 2016 21:10

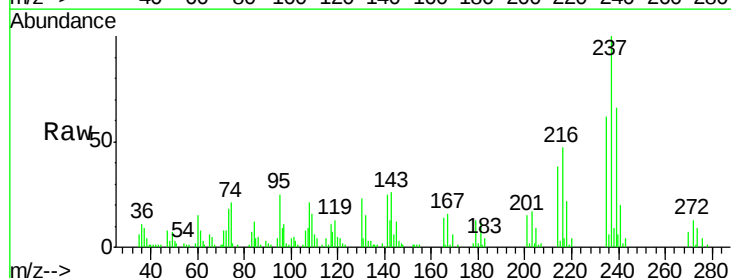
Tgt Ion:237 Resp: 54384

Ion Ratio Lower Upper

237 100

235 62.0 44.0 84.0

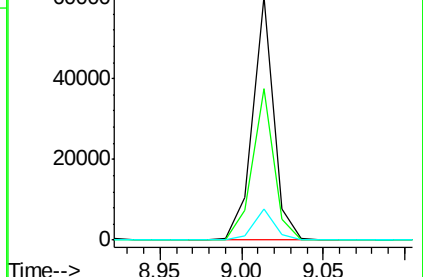
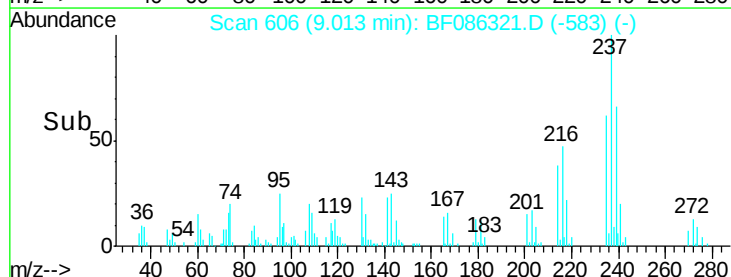
272 12.6 0.0 32.4

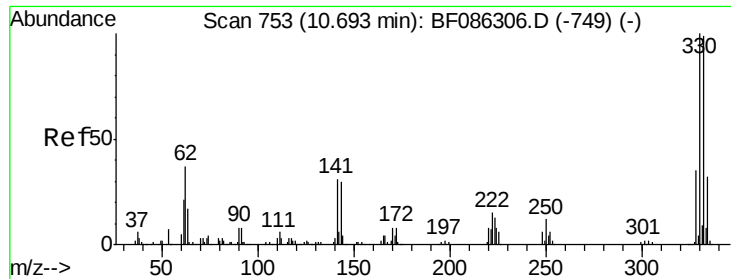


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

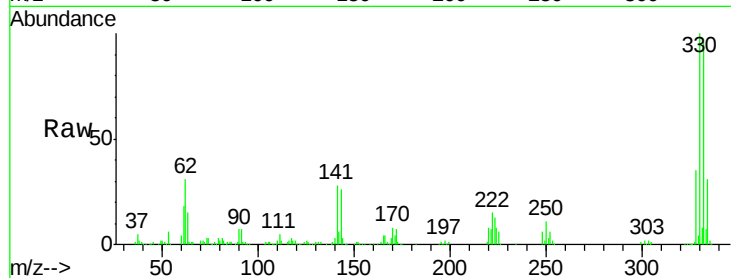




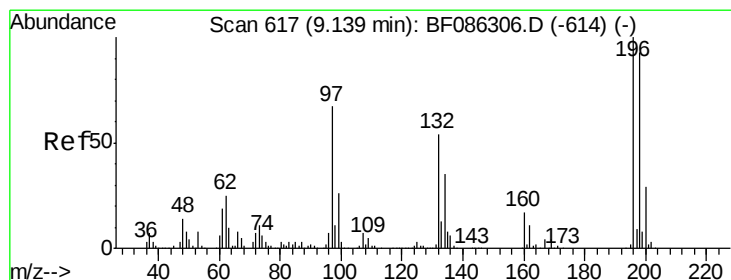
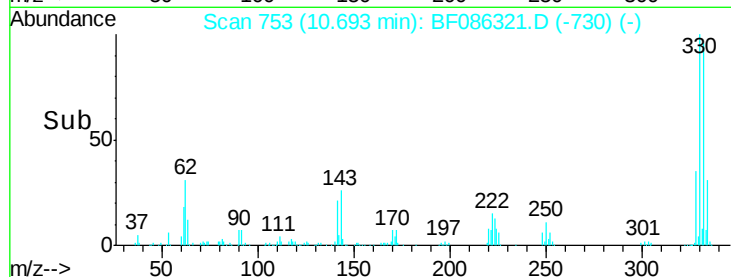
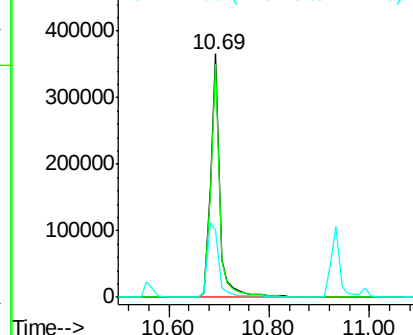
#41
 2,4,6-Tribromophenol
 Concen: 130.60 ng
 RT: 10.69 min Scan# 753
 Delta R.T. -0.03 min
 Lab File: BF086321.D
 Acq: 20 Apr 2016 21:10

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

Tgt Ion:330 Resp: 466956
 Ion Ratio Lower Upper
 330 100
 332 94.0 78.7 118.1
 141 38.4 28.6 42.8

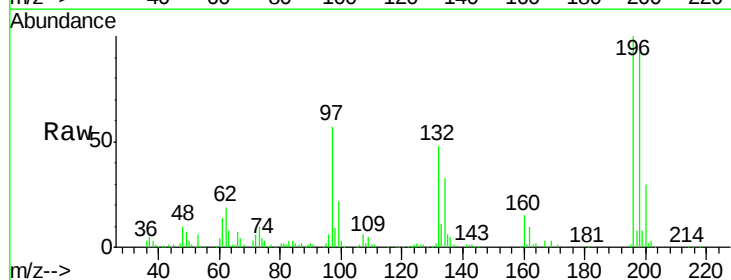


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

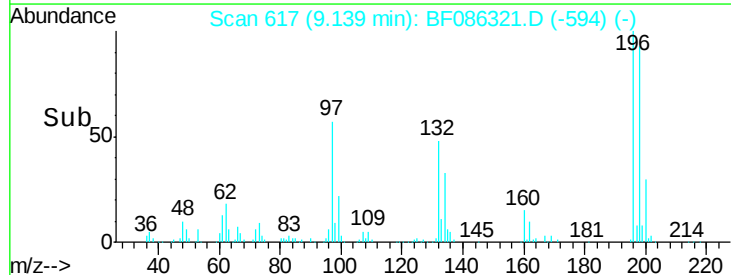
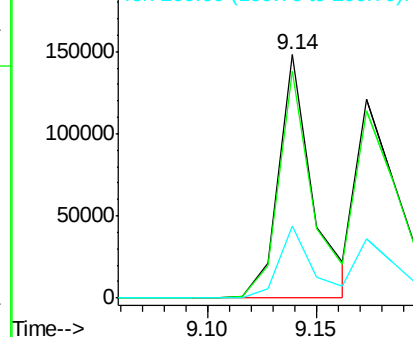


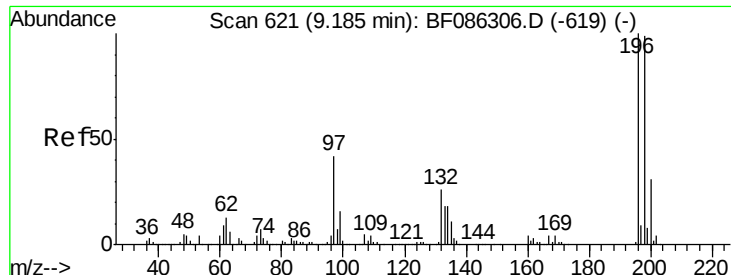
#42
 2,4,6-Trichlorophenol
 Concen: 19.07 ng
 RT: 9.14 min Scan# 617
 Delta R.T. -0.03 min
 Lab File: BF086321.D
 Acq: 20 Apr 2016 21:10

Tgt Ion:196 Resp: 161523
 Ion Ratio Lower Upper
 196 100
 198 93.1 76.6 115.0
 200 29.7 25.3 37.9



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

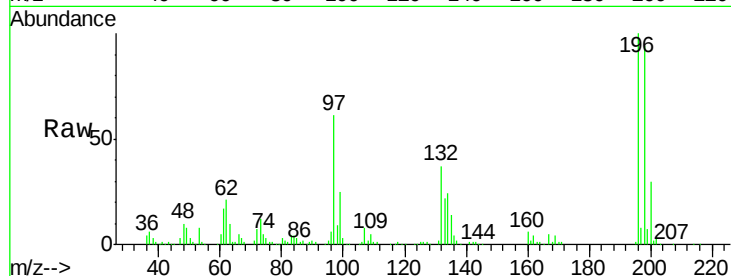




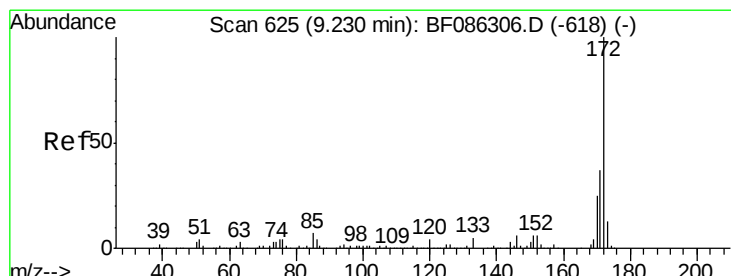
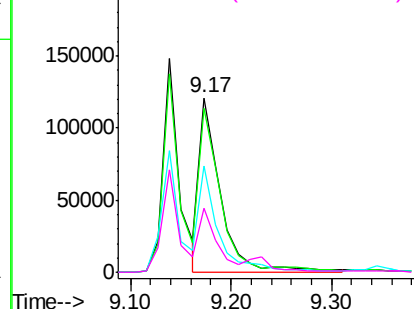
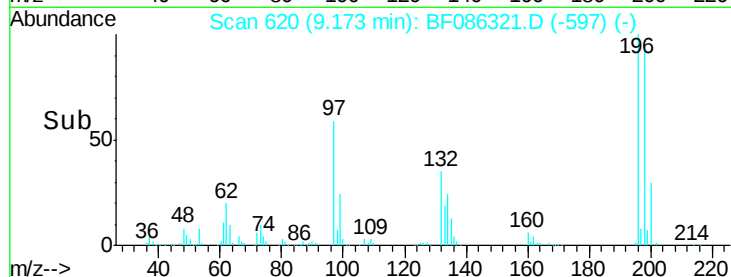
#43
 2,4,5-Trichlorophenol
 Concen: 19.44 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.03 min
 Lab File: BF086321.D
 Acq: 20 Apr 2016 21:10

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

Tgt Ion:196 Resp: 179368
 Ion Ratio Lower Upper
 196 100
 198 94.0 77.7 116.5
 97 60.7 32.6 48.8#
 132 36.6 21.4 32.0#

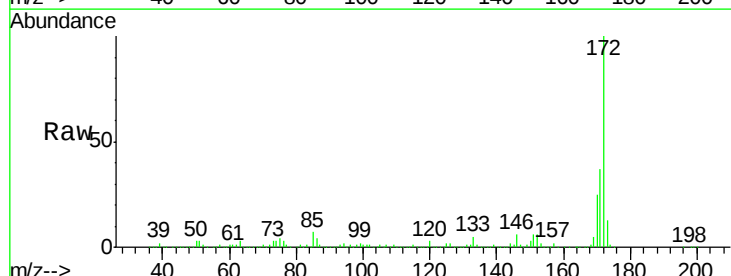


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

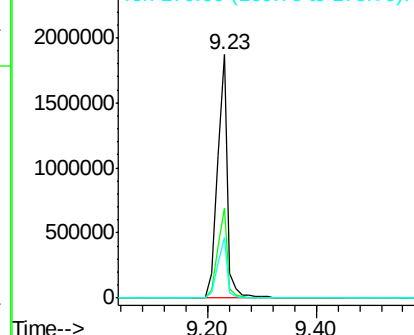
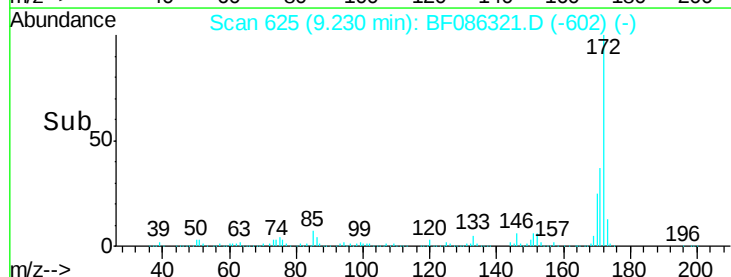


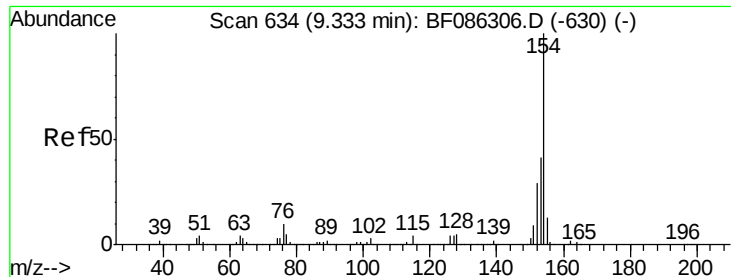
#44
 2-Fluorobiphenyl
 Concen: 107.79 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.03 min
 Lab File: BF086321.D
 Acq: 20 Apr 2016 21:10

Tgt Ion:172 Resp: 2441811
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.1 43.7
 170 25.1 19.9 29.9



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

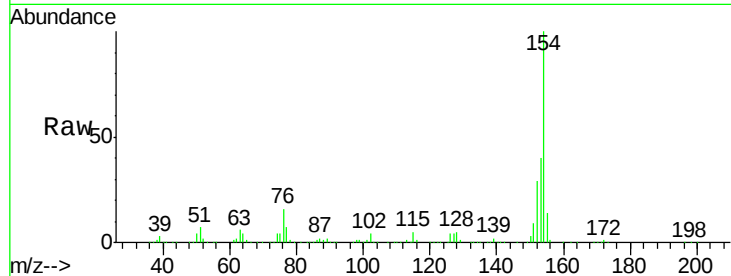




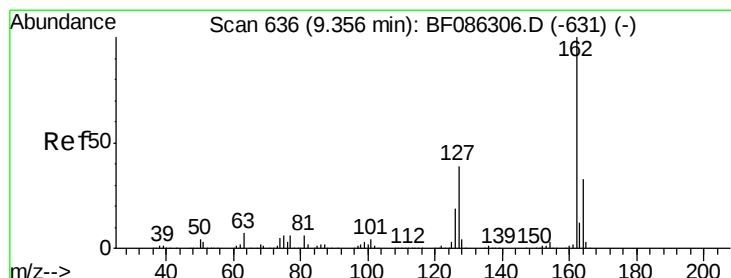
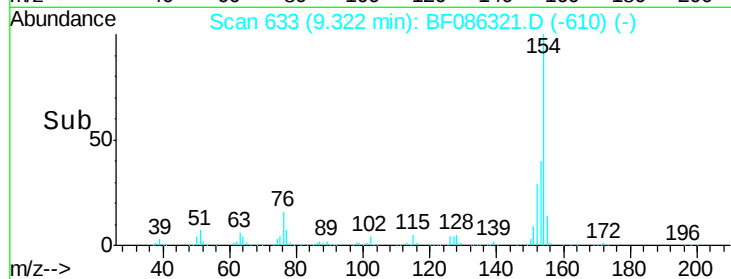
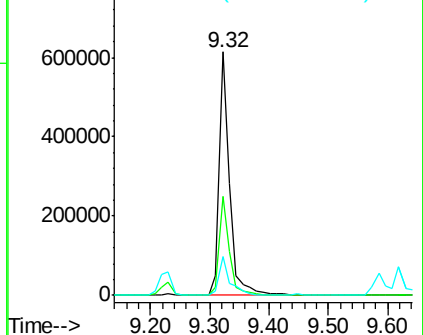
#45
 1,1'-Biphenyl
 Concen: 20.63 ng
 RT: 9.32 min Scan# 633
 Delta R.T. -0.03 min
 Lab File: BF086321.D
 Acq: 20 Apr 2016 21:10

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

Tgt Ion:154 Resp: 743323
 Ion Ratio Lower Upper
 154 100
 153 40.5 21.3 61.3
 76 15.8 0.0 36.4

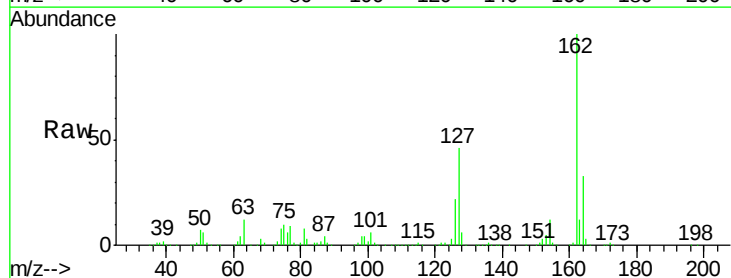


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

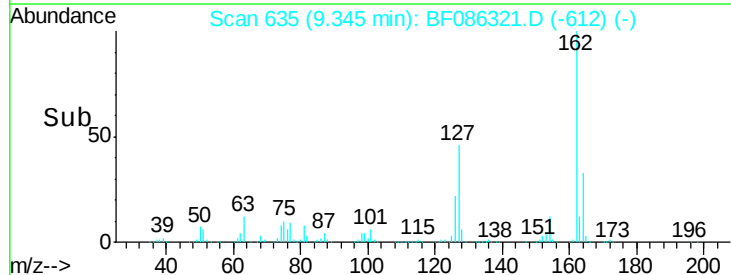
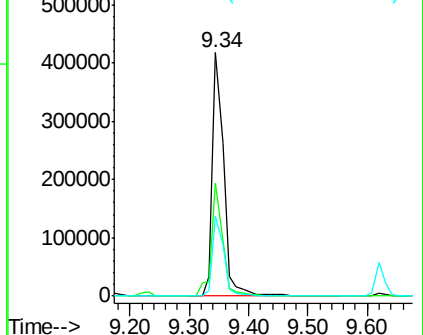


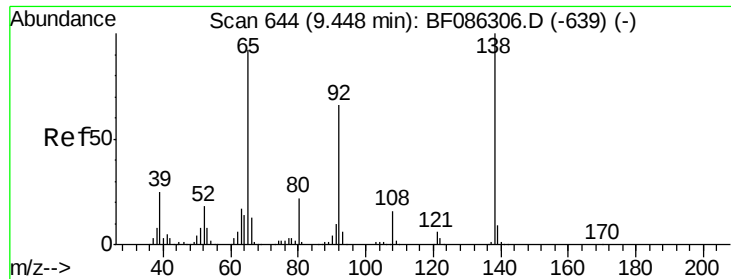
#46
 2-Chloronaphthalene
 Concen: 20.19 ng
 RT: 9.34 min Scan# 635
 Delta R.T. -0.03 min
 Lab File: BF086321.D
 Acq: 20 Apr 2016 21:10

Tgt Ion:162 Resp: 551274
 Ion Ratio Lower Upper
 162 100
 127 46.5 36.7 55.1
 164 32.6 26.4 39.6



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

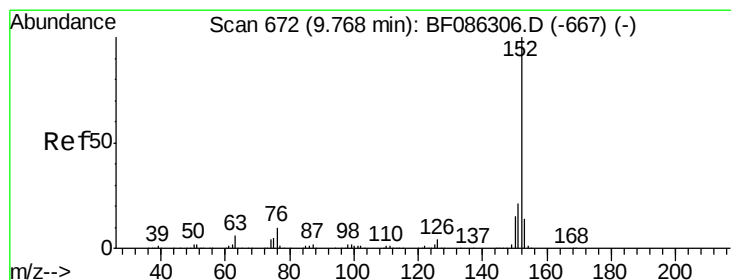
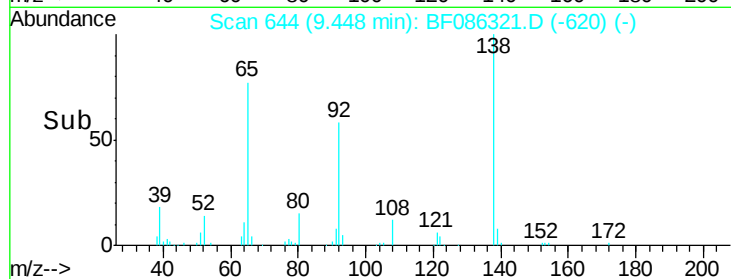
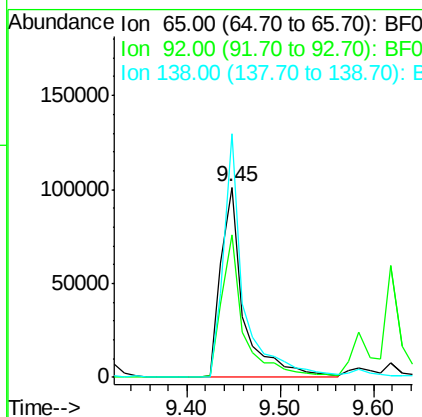
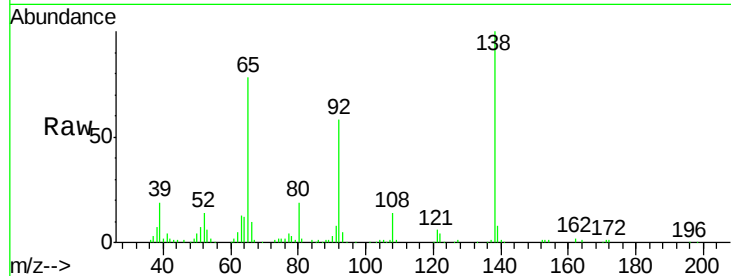




#47
2-Nitroaniline
Concen: 18.60 ng
RT: 9.45 min Scan# 644
Delta R.T. -0.02 min
Lab File: BF086321.D
Acq: 20 Apr 2016 21:10

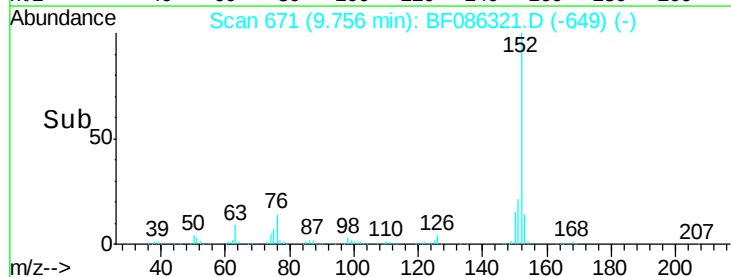
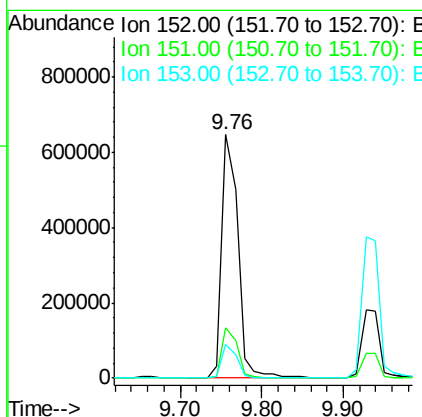
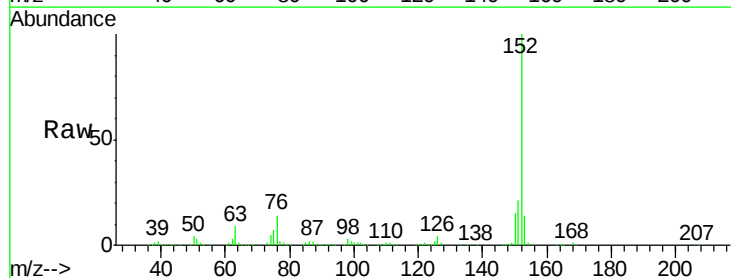
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

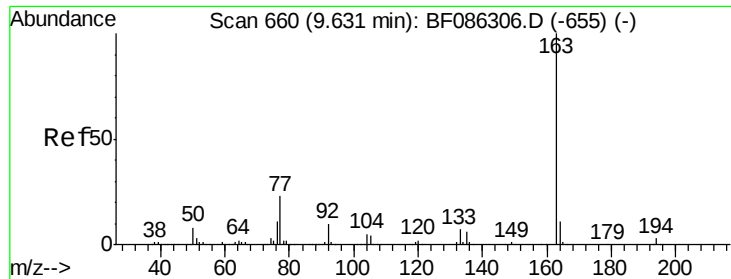
Tgt Ion: 65 Resp: 172606
Ion Ratio Lower Upper
65 100
92 74.6 51.9 77.9
138 128.0 72.6 108.8#



#48
Acenaphthylene
Concen: 20.81 ng
RT: 9.76 min Scan# 671
Delta R.T. -0.04 min
Lab File: BF086321.D
Acq: 20 Apr 2016 21:10

Tgt Ion: 152 Resp: 886891
Ion Ratio Lower Upper
152 100
151 20.7 17.2 25.8
153 13.8 10.7 16.1





#49

Dimethylphthalate

Concen: 18.32 ng

RT: 9.62 min Scan# 659

Delta R.T. -0.05 min

Lab File: BF086321.D

Acq: 20 Apr 2016 21:10

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

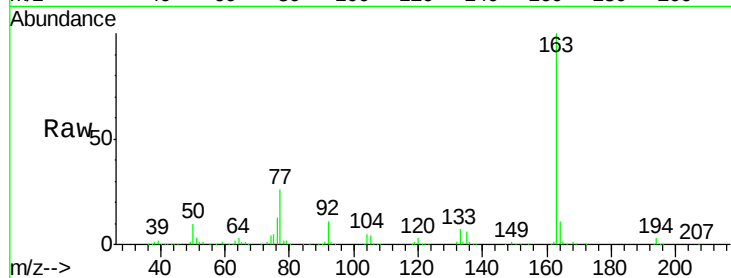
Tgt Ion:163 Resp: 639674

Ion Ratio Lower Upper

163 100

194 2.9 2.8 4.2

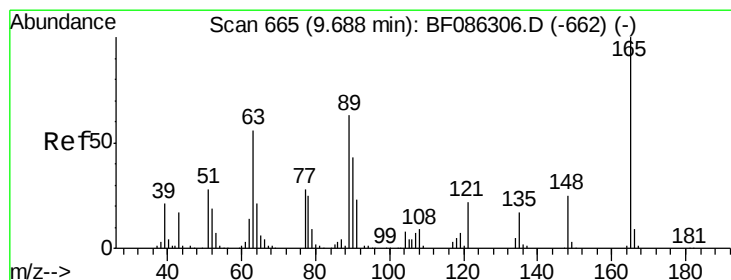
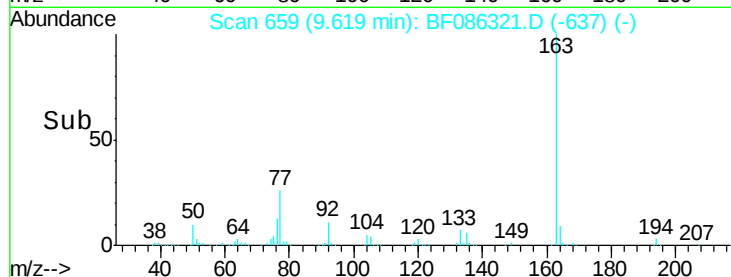
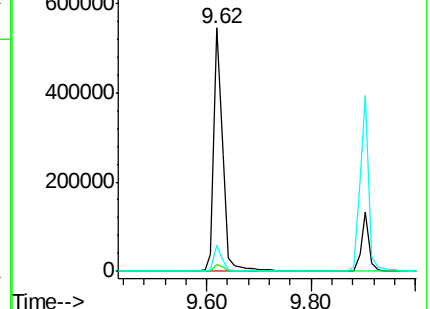
164 10.6 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 19.35 ng

RT: 9.69 min Scan# 665

Delta R.T. -0.03 min

Lab File: BF086321.D

Acq: 20 Apr 2016 21:10

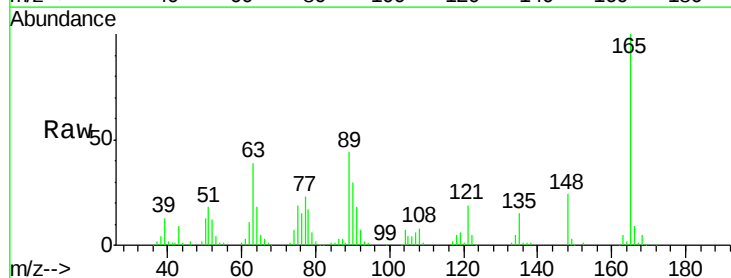
Tgt Ion:165 Resp: 139085

Ion Ratio Lower Upper

165 100

63 39.3 35.1 52.7

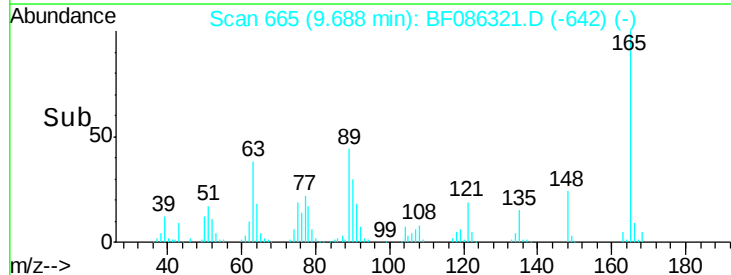
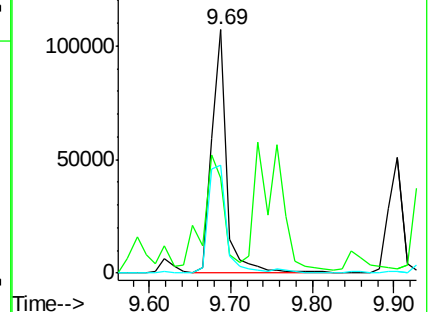
89 44.3 39.8 59.6

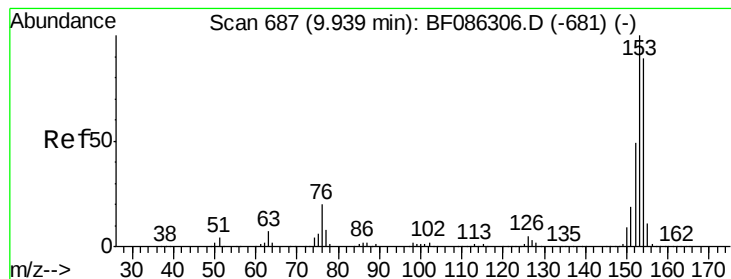


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 20.85 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.05 min

Lab File: BF086321.D

Acq: 20 Apr 2016 21:10

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

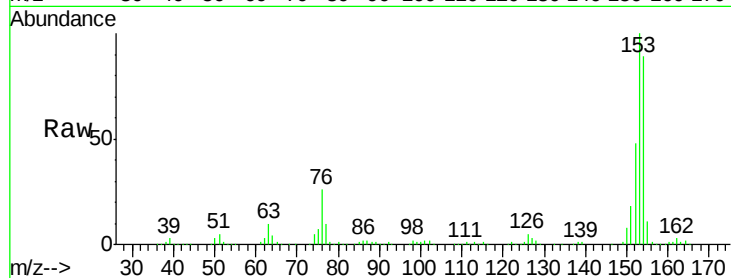
Tgt Ion:154 Resp: 521433

Ion Ratio Lower Upper

154 100

153 112.5 90.0 135.0

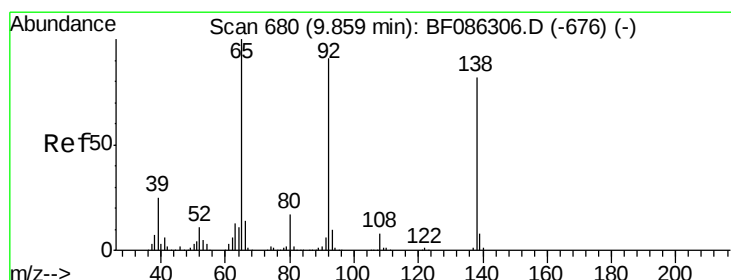
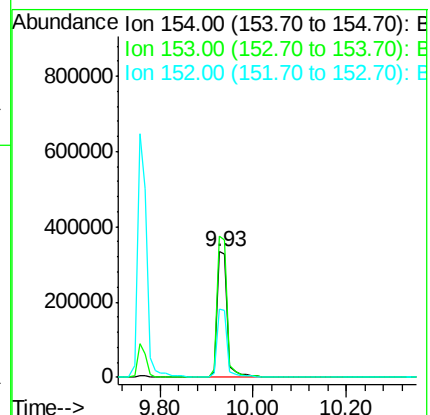
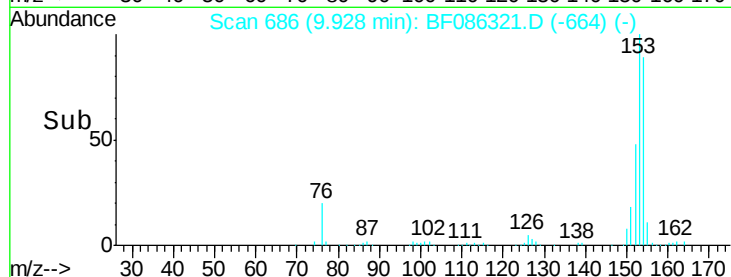
152 54.3 44.3 66.5



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: 11.69 ng

RT: 9.85 min Scan# 679

Delta R.T. -0.03 min

Lab File: BF086321.D

Acq: 20 Apr 2016 21:10

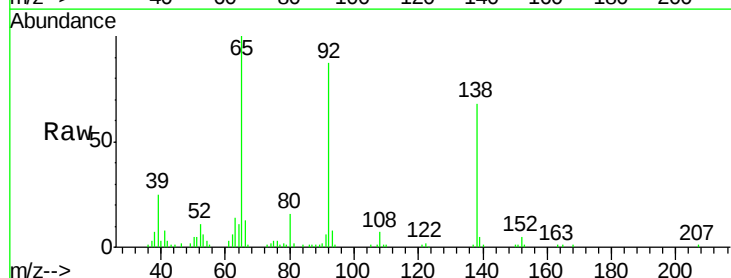
Tgt Ion:138 Resp: 106821

Ion Ratio Lower Upper

138 100

108 9.9 9.0 13.4

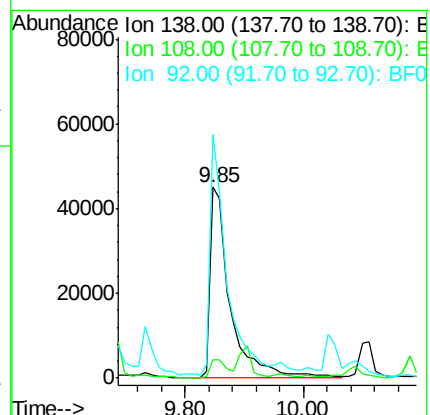
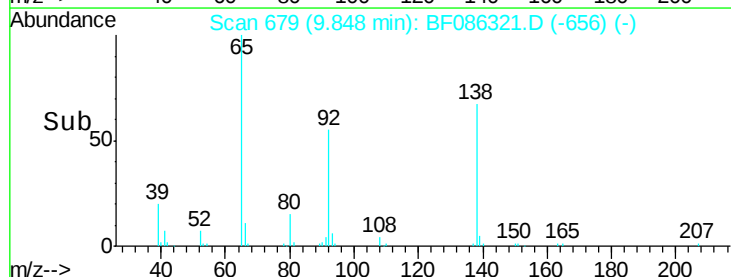
92 127.5 99.3 148.9

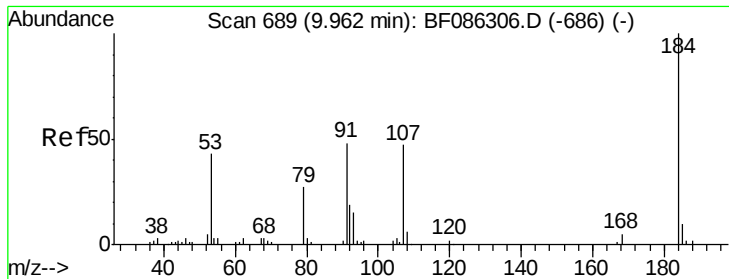


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

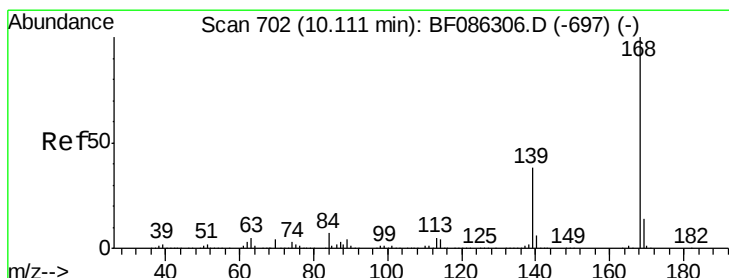
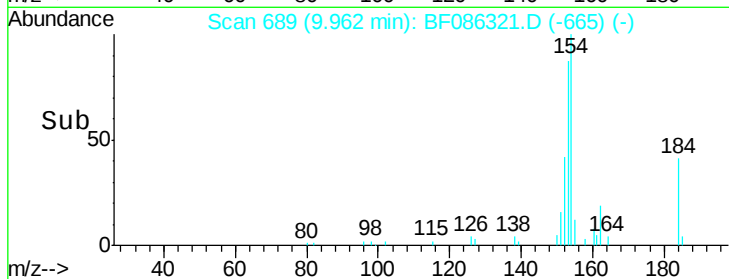
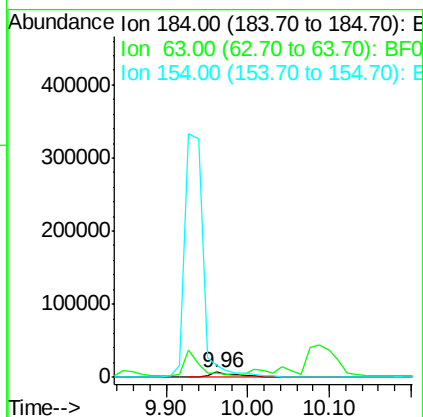
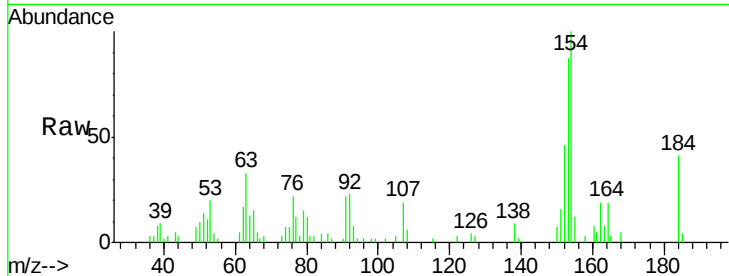




#53
2,4-Dinitrophenol
Concen: 17.26 ng
RT: 9.96 min Scan# 689
Delta R.T. -0.02 min
Lab File: BF086321.D
Acq: 20 Apr 2016 21:10

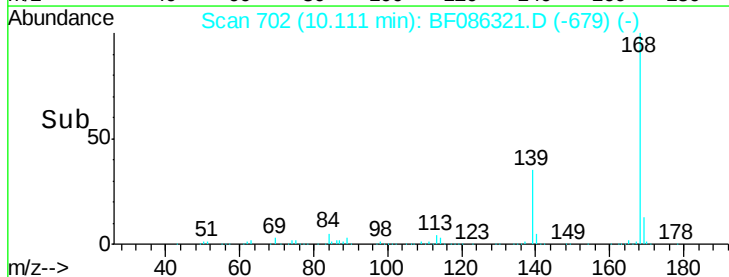
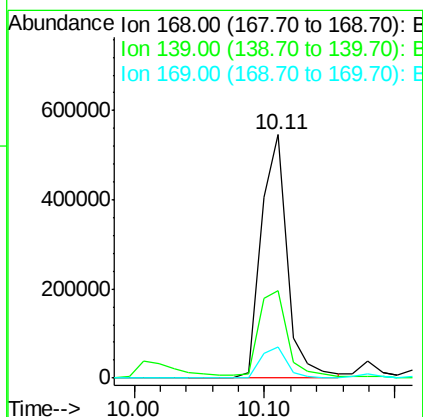
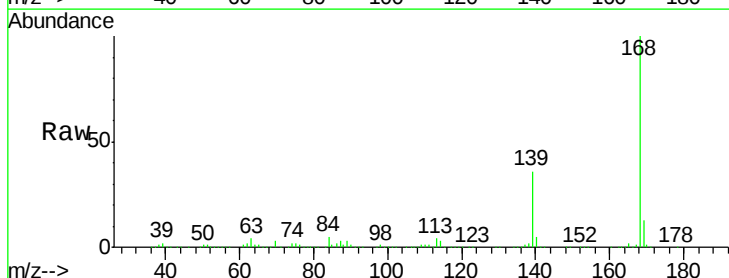
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

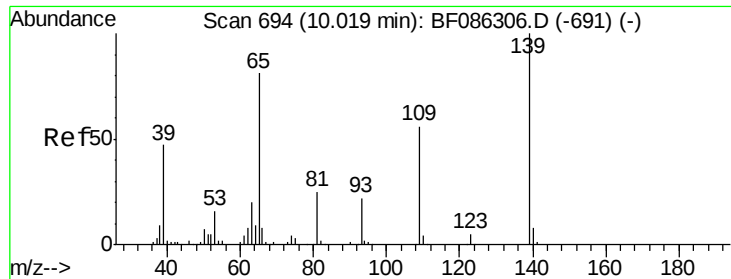
Tgt Ion:184 Resp: 17378
Ion Ratio Lower Upper
184 100
63 79.6 64.7 97.1
154 244.7 59.4 89.2#



#54
Dibenzofuran
Concen: 22.36 ng
RT: 10.11 min Scan# 702
Delta R.T. -0.03 min
Lab File: BF086321.D
Acq: 20 Apr 2016 21:10

Tgt Ion:168 Resp: 760273
Ion Ratio Lower Upper
168 100
139 36.0 29.5 44.3
169 12.9 10.6 16.0

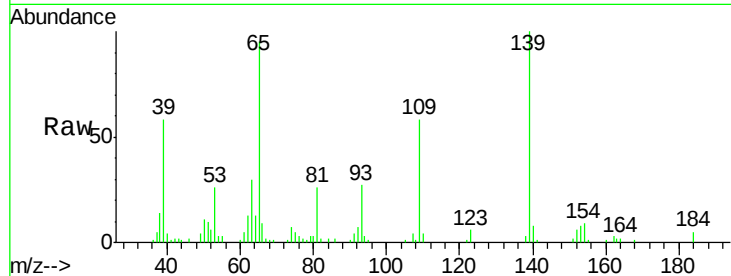




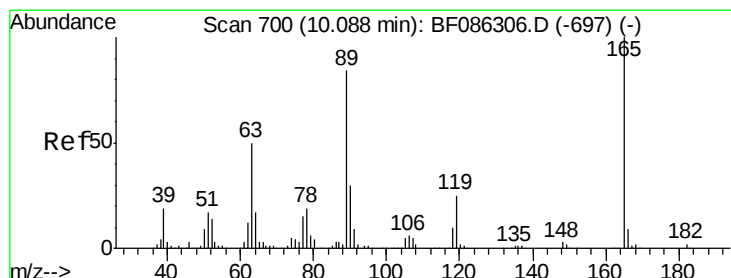
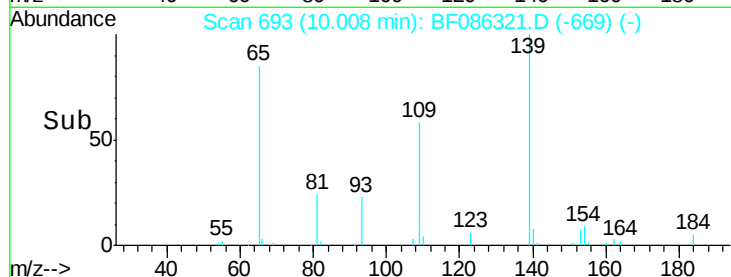
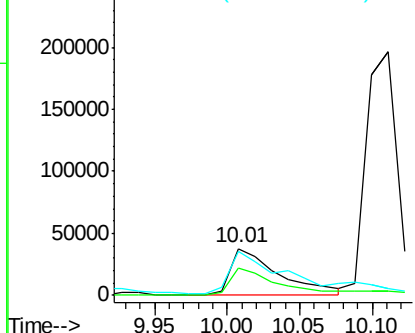
#55
4-Nitrophenol
Concen: 15.59 ng
RT: 10.01 min Scan# 693
Delta R.T. -0.02 min
Lab File: BF086321.D
Acq: 20 Apr 2016 21:10

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:139 Resp: 88366
Ion Ratio Lower Upper
139 100
109 57.6 55.0 95.0
65 95.0 87.3 127.3

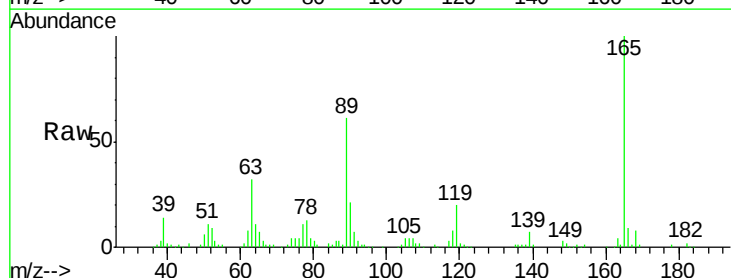


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BFO

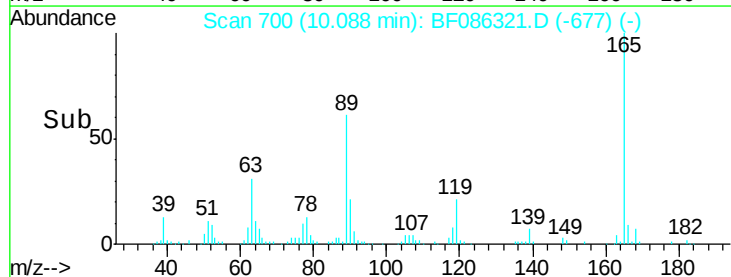
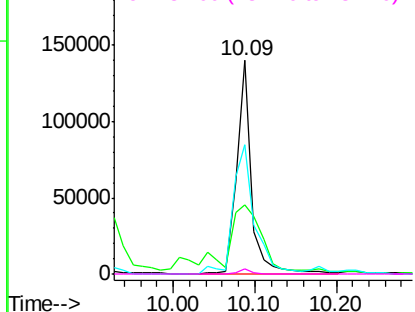


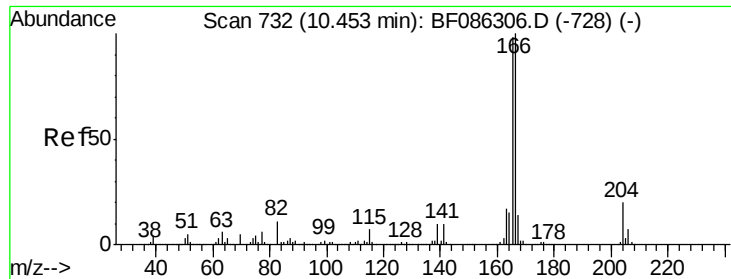
#56
2,4-Dinitrotoluene
Concen: 20.13 ng
RT: 10.09 min Scan# 700
Delta R.T. -0.03 min
Lab File: BF086321.D
Acq: 20 Apr 2016 21:10

Tgt Ion:165 Resp: 179762
Ion Ratio Lower Upper
165 100
63 32.2 26.6 40.0
89 60.6 49.5 74.3
182 2.4 1.9 2.9



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BFO
Ion 89.00 (88.70 to 89.70): BFO
Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 21.81 ng

RT: 10.44 min Scan# 731

Delta R.T. -0.04 min

Lab File: BF086321.D

Acq: 20 Apr 2016 21:10

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

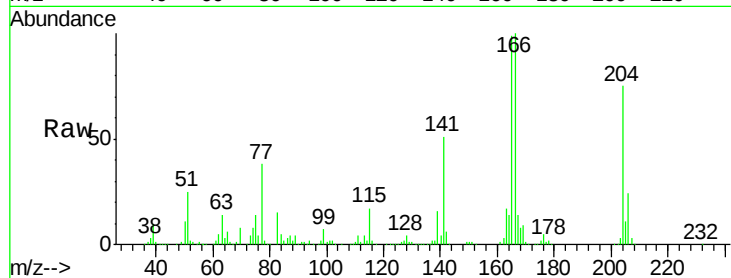
Tgt Ion:166 Resp: 549420

Ion Ratio Lower Upper

166 100

165 98.7 78.6 117.8

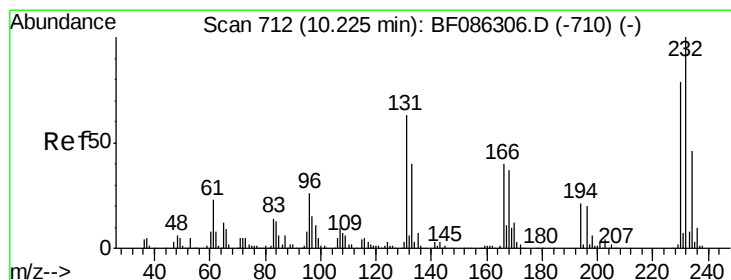
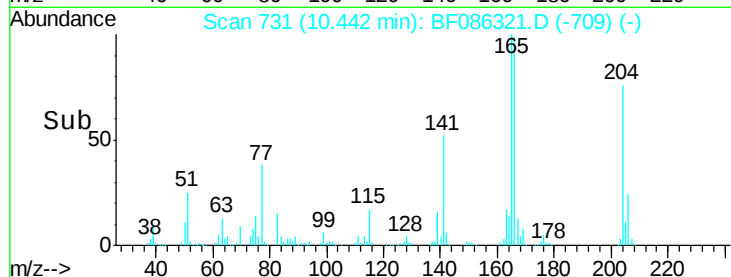
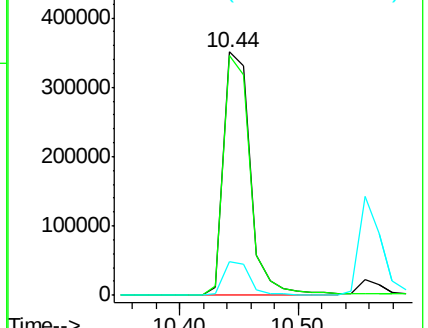
167 13.9 10.4 15.6



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 22.26 ng

RT: 10.22 min Scan# 712

Delta R.T. -0.03 min

Lab File: BF086321.D

Acq: 20 Apr 2016 21:10

Tgt Ion:232 Resp: 137779

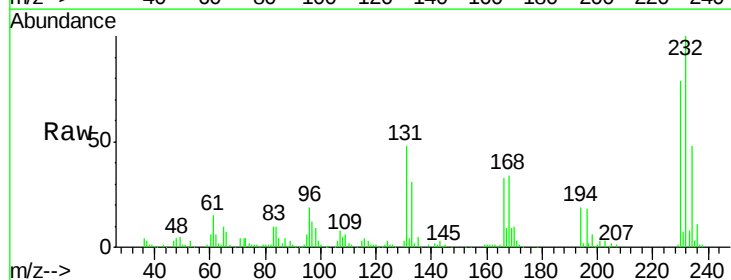
Ion Ratio Lower Upper

232 100

131 47.6 46.6 70.0

130 2.7 2.5 3.7

166 31.6 28.3 42.5

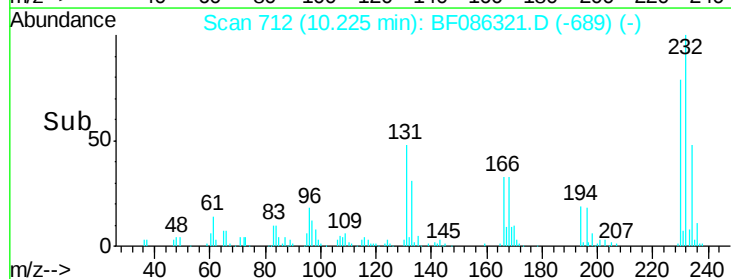
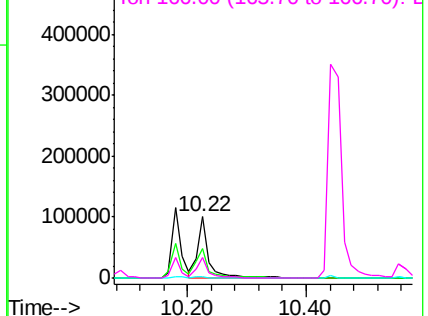


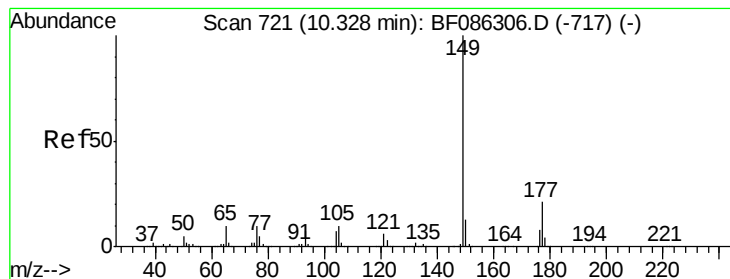
Abundance Ion 232.00 (231.70 to 232.70): E

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: 19.00 ng

RT: 10.33 min Scan# 721

Delta R.T. -0.03 min

Lab File: BF086321.D

Acq: 20 Apr 2016 21:10

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

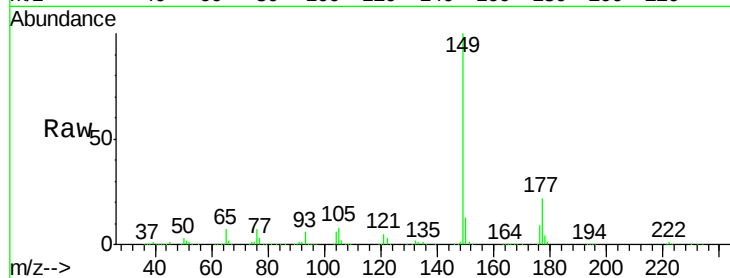
Tgt Ion:149 Resp: 647573

Ion Ratio Lower Upper

149 100

177 22.5 17.0 25.6

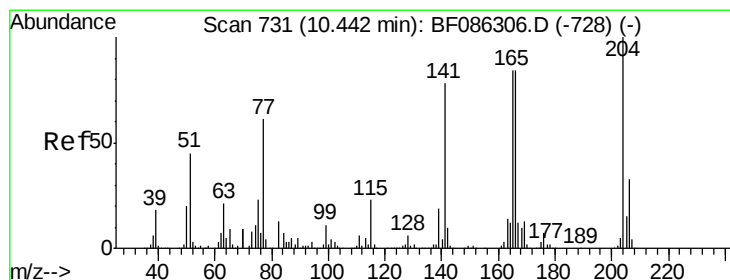
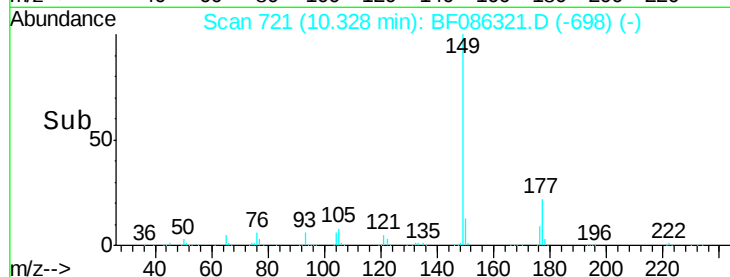
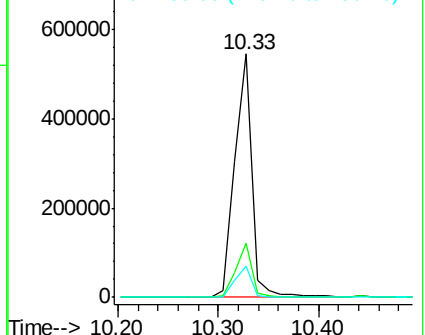
150 12.6 10.2 15.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 22.15 ng

RT: 10.44 min Scan# 731

Delta R.T. -0.03 min

Lab File: BF086321.D

Acq: 20 Apr 2016 21:10

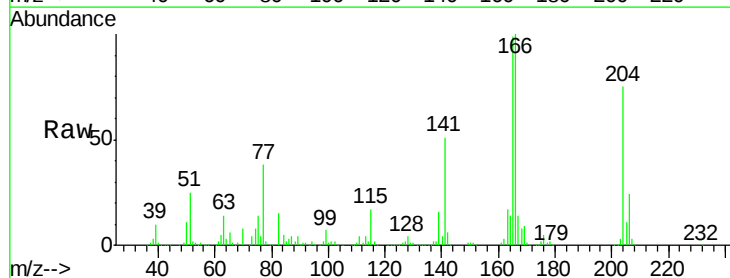
Tgt Ion:204 Resp: 258477

Ion Ratio Lower Upper

204 100

206 31.9 26.2 39.2

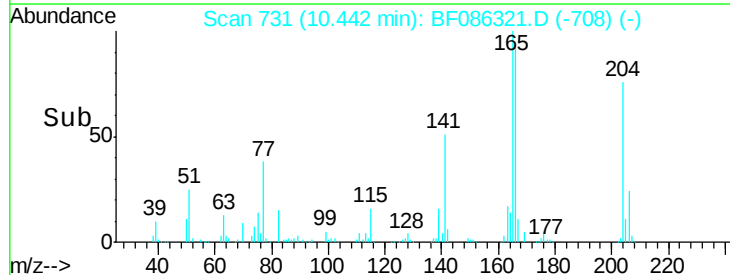
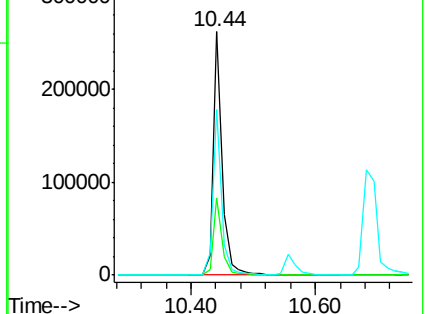
141 68.1 55.4 83.0

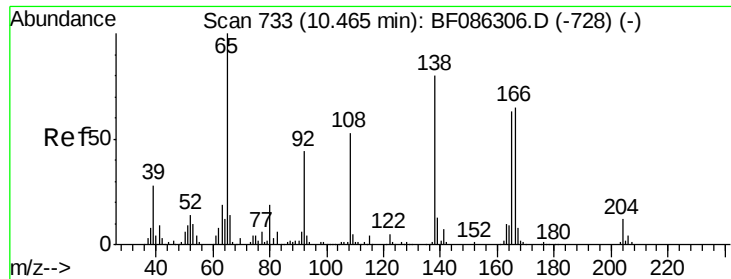


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

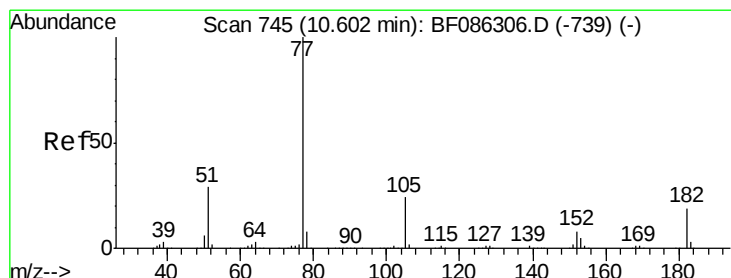
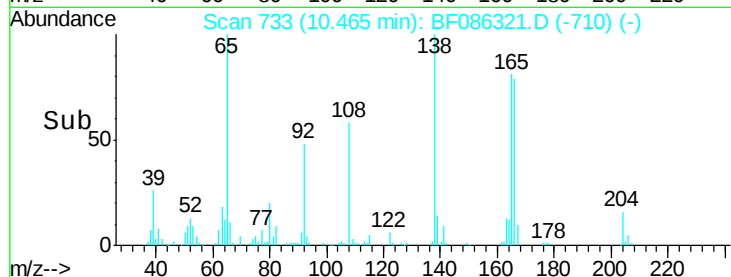
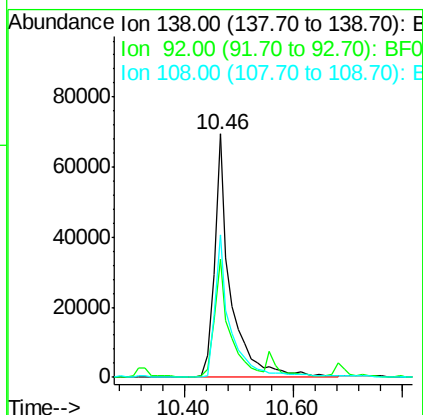
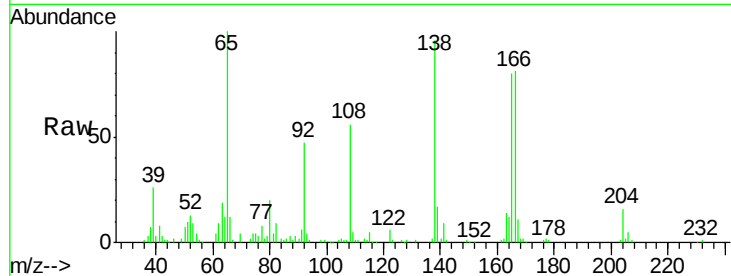




#61
4-Nitroaniline
Concen: 16.89 ng
RT: 10.46 min Scan# 733
Delta R.T. -0.03 min
Lab File: BF086321.D
Acq: 20 Apr 2016 21:10

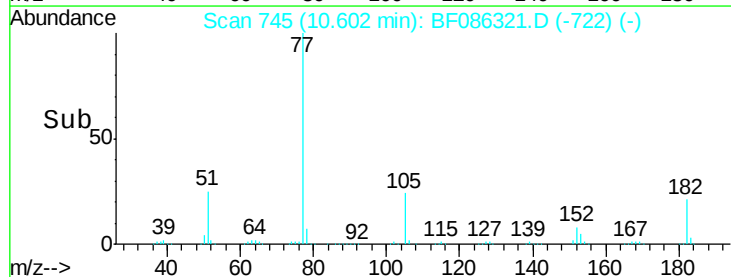
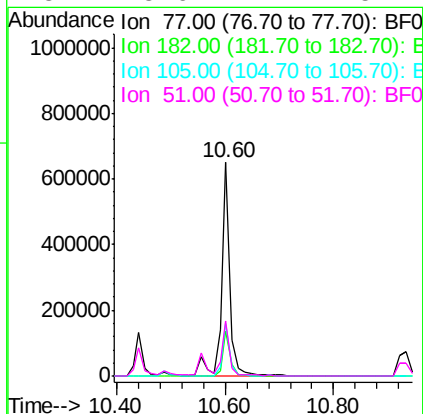
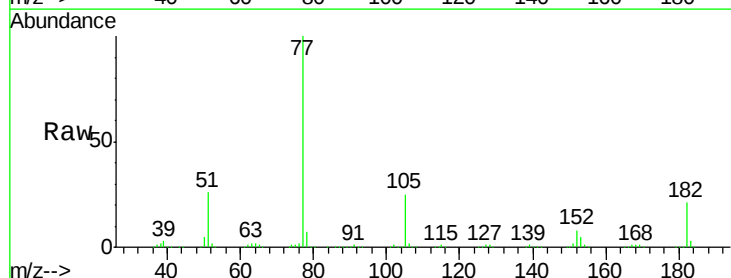
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

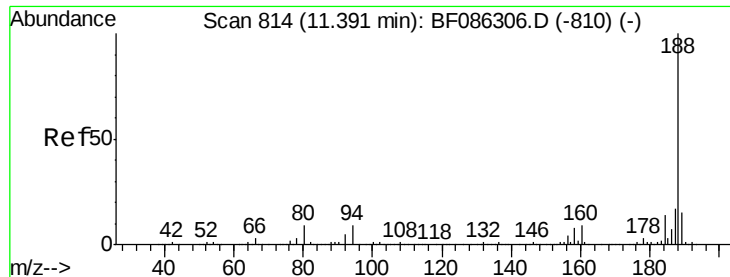
Tgt Ion:138 Resp: 144471
Ion Ratio Lower Upper
138 100
92 48.5 31.9 71.9
108 58.3 58.7 98.7#



#62
Azobenzene
Concen: 21.53 ng
RT: 10.60 min Scan# 745
Delta R.T. -0.03 min
Lab File: BF086321.D
Acq: 20 Apr 2016 21:10

Tgt Ion: 77 Resp: 723229
Ion Ratio Lower Upper
77 100
182 20.9 2.3 42.3
105 24.6 3.4 43.4
51 25.6 11.7 51.7

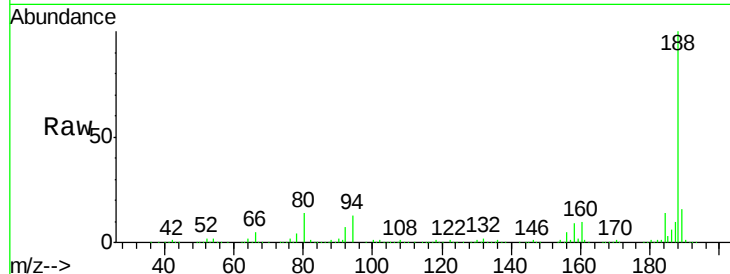




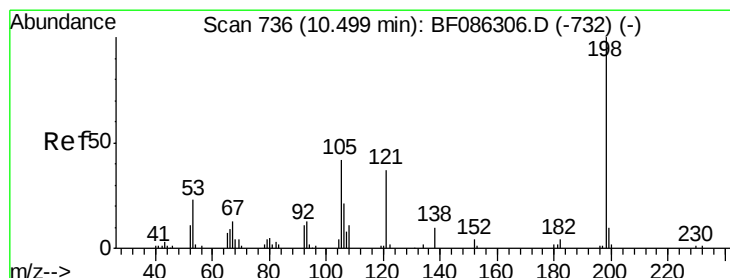
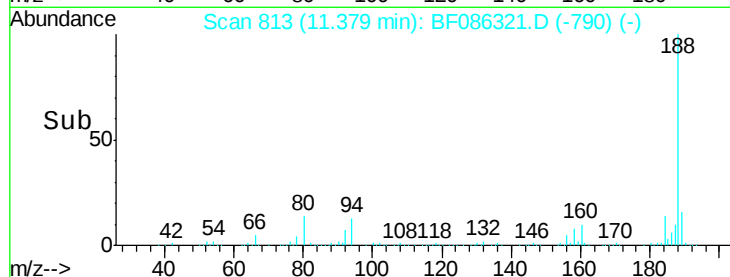
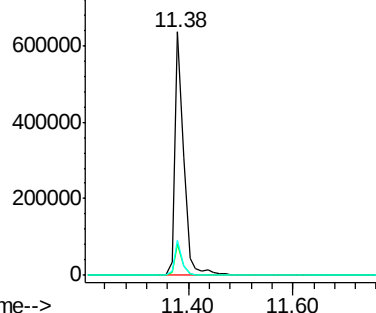
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 813
Delta R.T. -0.03 min
Lab File: BF086321.D
Acq: 20 Apr 2016 21:10

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:188 Resp: 752051
Ion Ratio Lower Upper
188 100
94 12.9 9.8 14.8
80 14.4 10.5 15.7

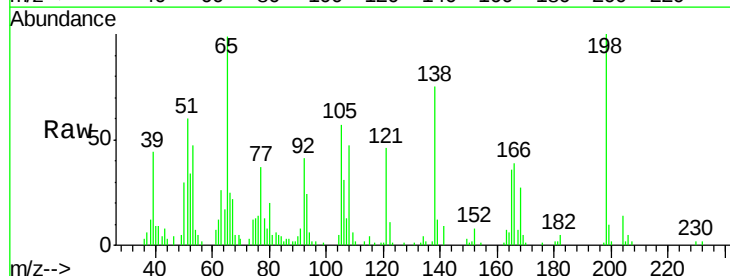


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

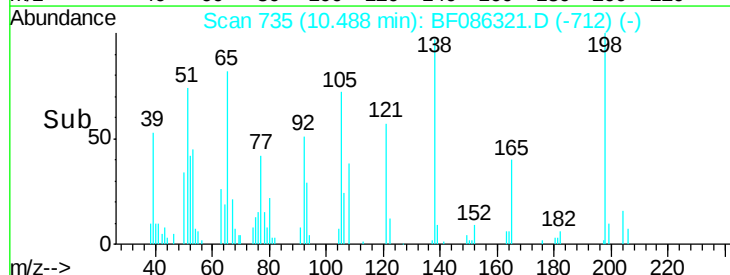
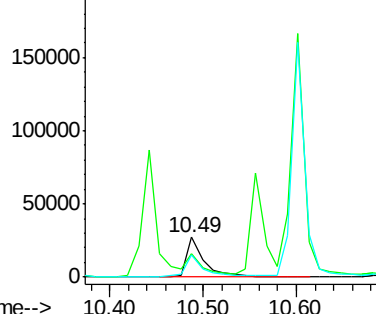


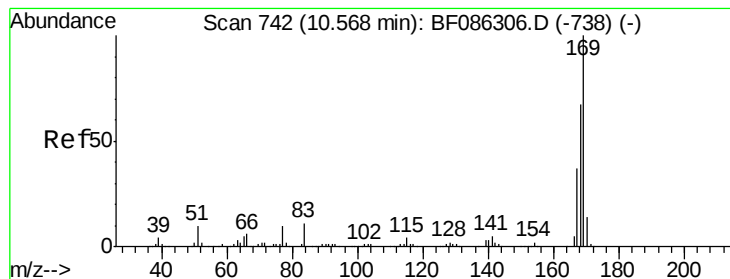
#64
4,6-Dinitro-2-methylphenol
Concen: 19.42 ng
RT: 10.49 min Scan# 735
Delta R.T. -0.03 min
Lab File: BF086321.D
Acq: 20 Apr 2016 21:10

Tgt Ion:198 Resp: 36176
Ion Ratio Lower Upper
198 100
51 60.4 56.5 96.5
105 57.0 48.0 88.0



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: 20.07 ng

RT: 10.56 min Scan# 741

Delta R.T. -0.03 min

Lab File: BF086321.D

Acq: 20 Apr 2016 21:10

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

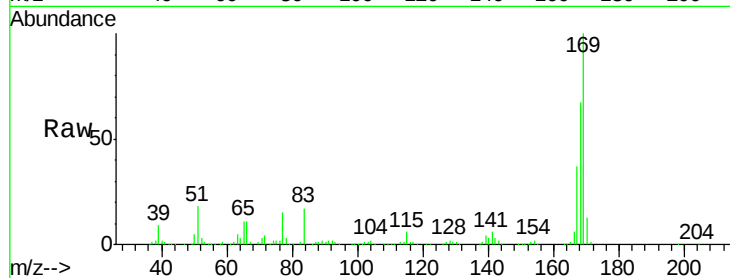
Tgt Ion:169 Resp: 497254

Ion Ratio Lower Upper

169 100

168 66.6 54.3 81.5

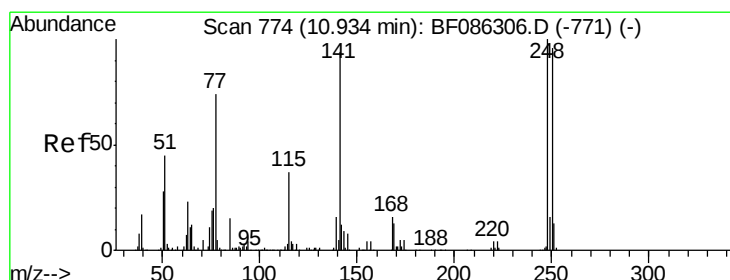
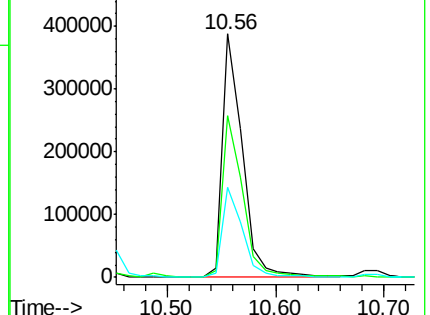
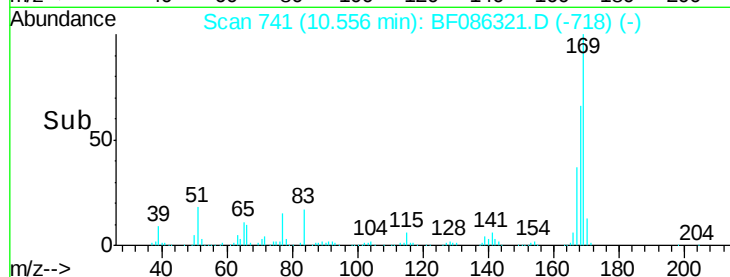
167 36.9 30.2 45.2



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: 18.96 ng

RT: 10.93 min Scan# 774

Delta R.T. -0.03 min

Lab File: BF086321.D

Acq: 20 Apr 2016 21:10

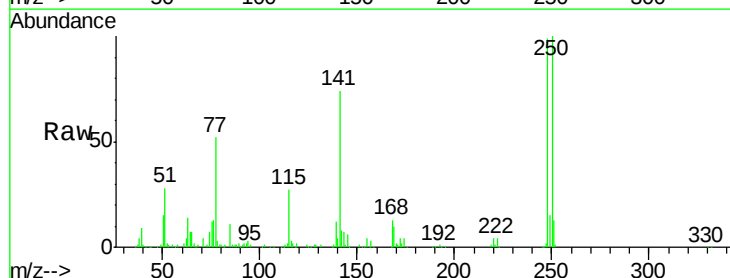
Tgt Ion:248 Resp: 153213

Ion Ratio Lower Upper

248 100

250 100.6 78.6 118.0

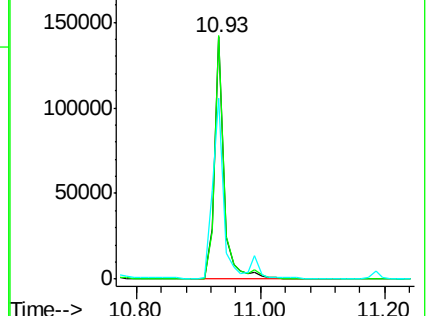
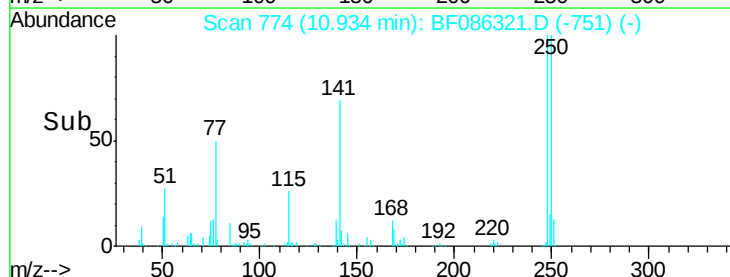
141 74.8 57.9 86.9

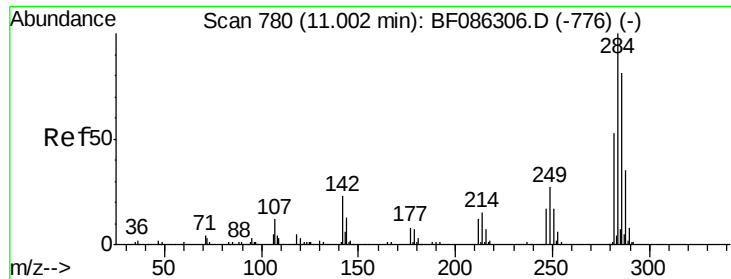


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

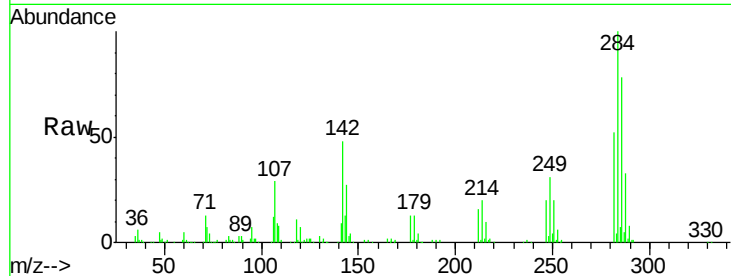




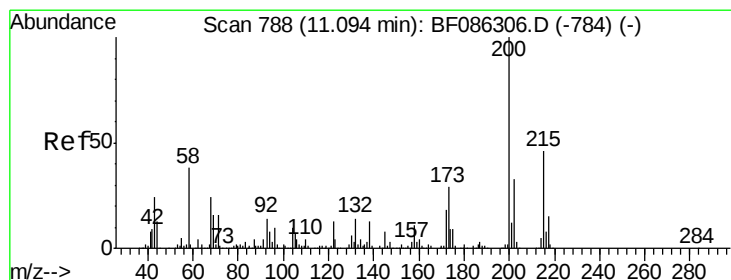
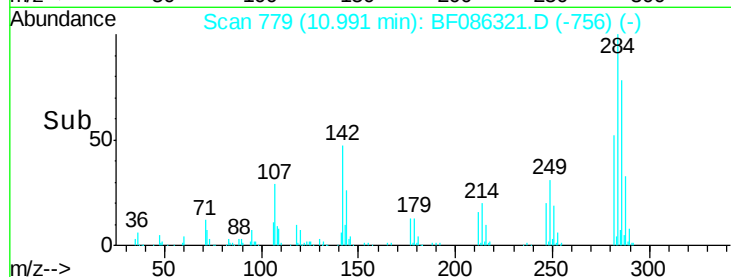
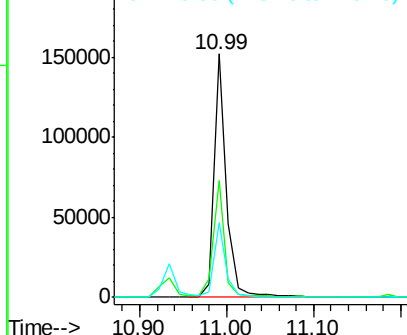
#67
Hexachlorobenzene
Concen: 18.78 ng
RT: 10.99 min Scan# 779
Delta R.T. -0.03 min
Lab File: BF086321.D
Acq: 20 Apr 2016 21:10

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:284 Resp: 152308
Ion Ratio Lower Upper
284 100
142 47.9 42.6 64.0
249 30.7 25.9 38.9

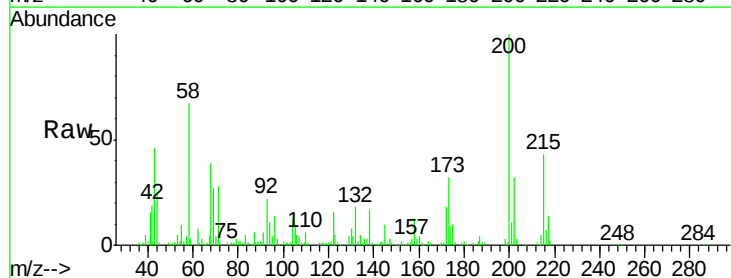


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

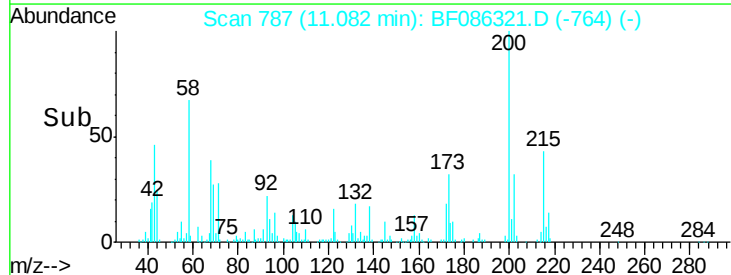
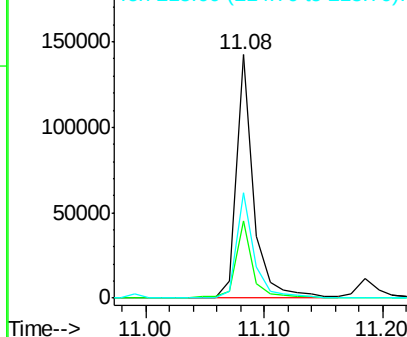


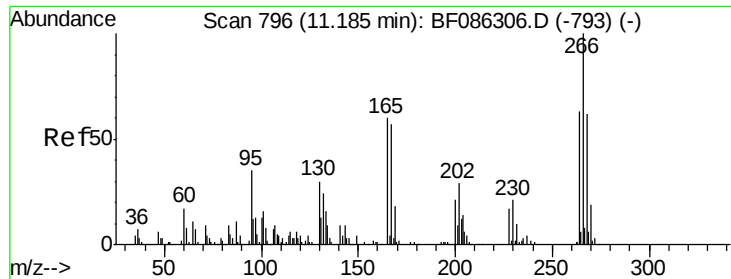
#68
Atrazine
Concen: 19.04 ng
RT: 11.08 min Scan# 787
Delta R.T. -0.03 min
Lab File: BF086321.D
Acq: 20 Apr 2016 21:10

Tgt Ion:200 Resp: 144985
Ion Ratio Lower Upper
200 100
173 31.8 11.2 51.2
215 43.2 24.0 64.0



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

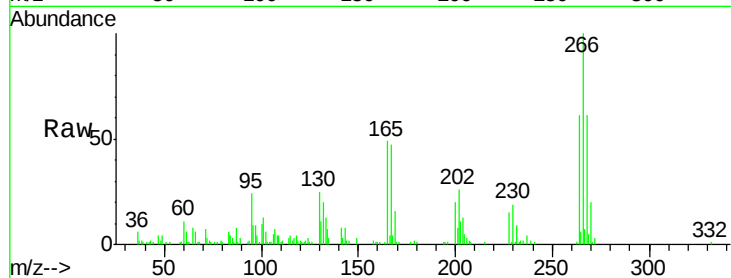




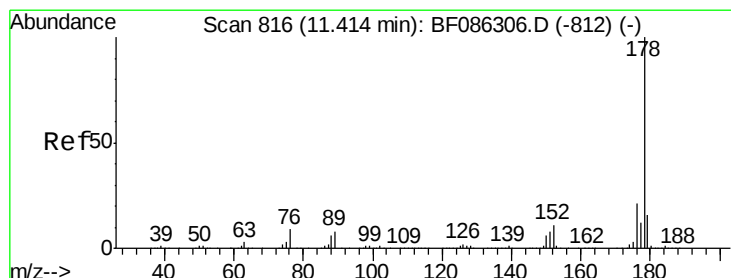
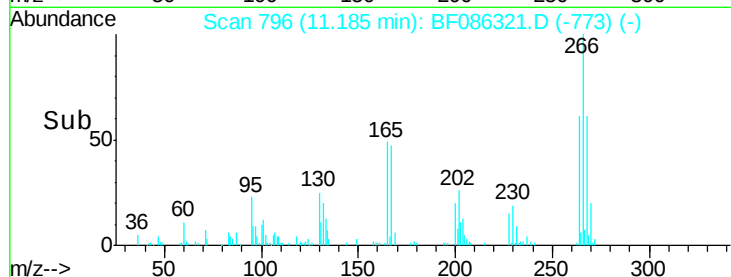
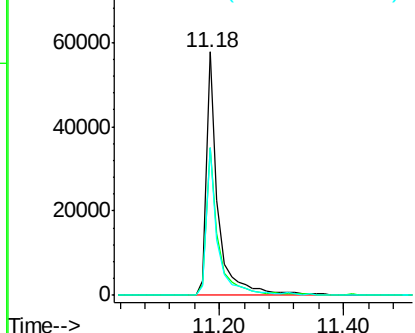
#69
 Pentachlorophenol
 Concen: 17.77 ng
 RT: 11.18 min Scan# 796
 Delta R.T. -0.03 min
 Lab File: BF086321.D
 Acq: 20 Apr 2016 21:10

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

Tgt Ion	Ratio	Lower	Upper
266	100		
268	60.8	53.0	79.4
264	60.8	51.3	76.9

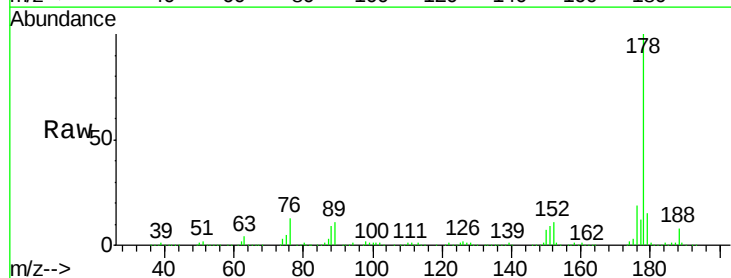


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

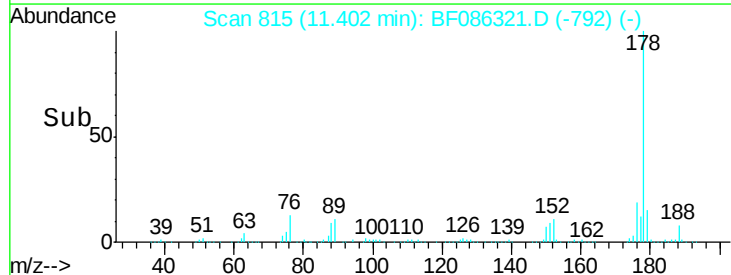
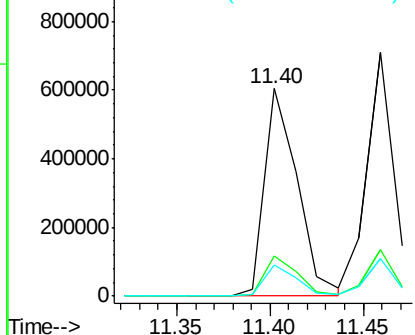


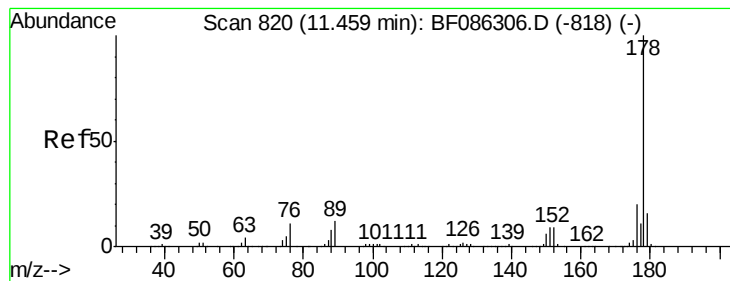
#70
 Phenanthrene
 Concen: 20.50 ng
 RT: 11.40 min Scan# 815
 Delta R.T. -0.03 min
 Lab File: BF086321.D
 Acq: 20 Apr 2016 21:10

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.3	24.5
179	15.3	13.0	19.6



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: 20.91 ng

RT: 11.46 min Scan# 820

Delta R.T. -0.03 min

Lab File: BF086321.D

Acq: 20 Apr 2016 21:10

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

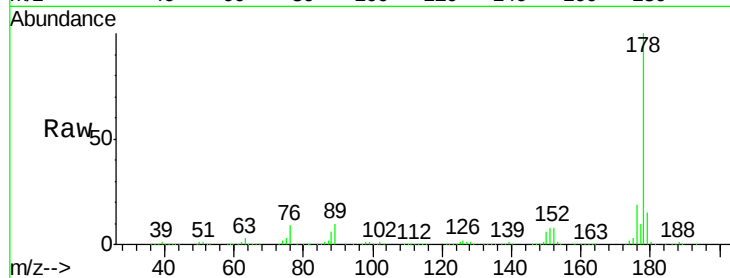
Tgt Ion:178 Resp: 797983

Ion Ratio Lower Upper

178 100

176 19.3 16.2 24.4

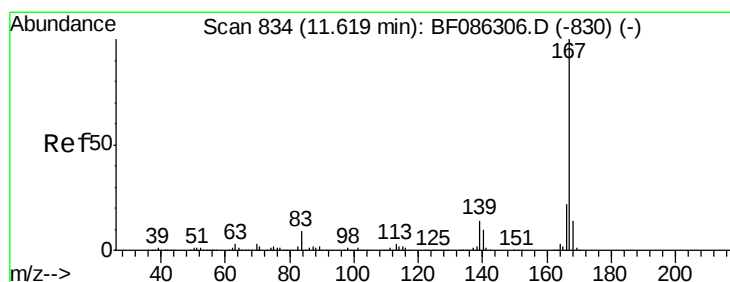
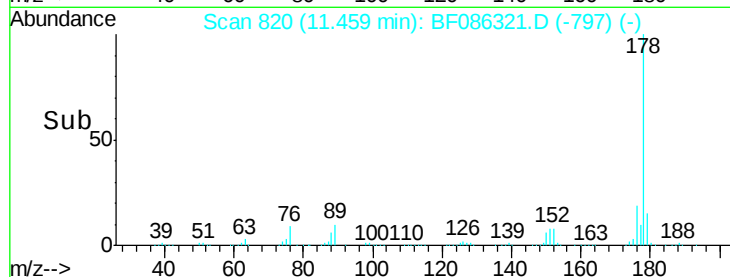
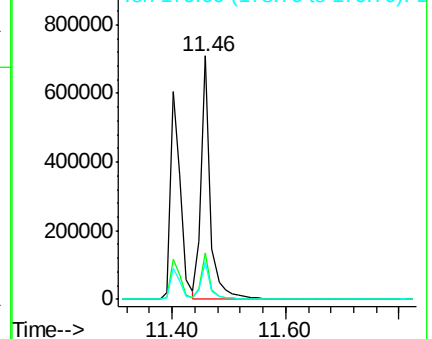
179 15.3 13.2 19.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 19.86 ng

RT: 11.61 min Scan# 833

Delta R.T. -0.03 min

Lab File: BF086321.D

Acq: 20 Apr 2016 21:10

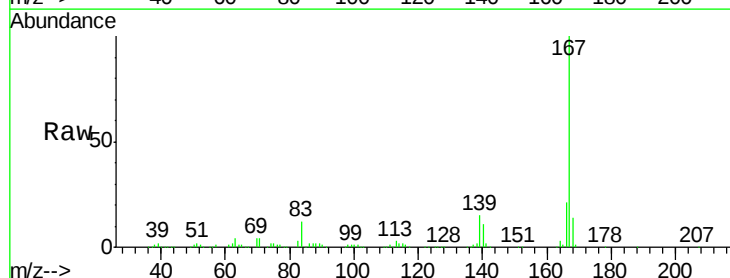
Tgt Ion:167 Resp: 717337

Ion Ratio Lower Upper

167 100

166 21.1 18.3 27.5

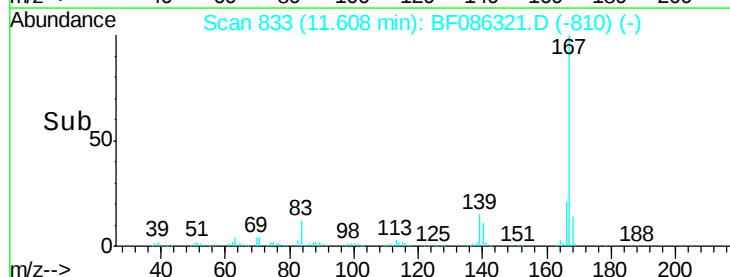
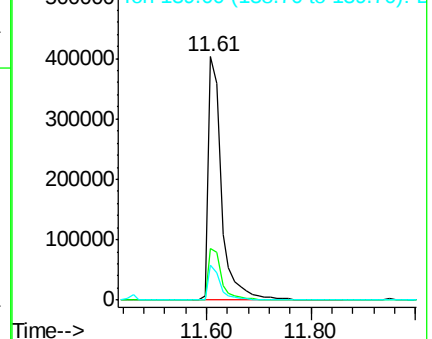
139 14.6 12.3 18.5

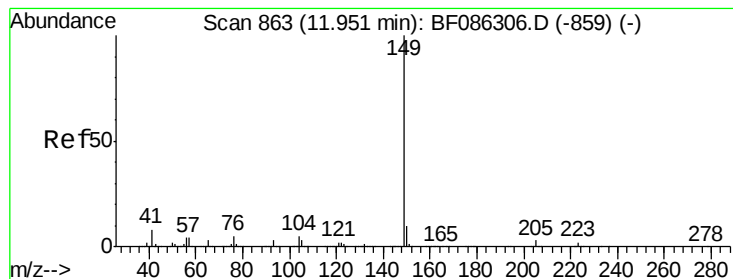


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 20.54 ng

RT: 11.95 min Scan# 863

Delta R.T. -0.03 min

Lab File: BF086321.D

Acq: 20 Apr 2016 21:10

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

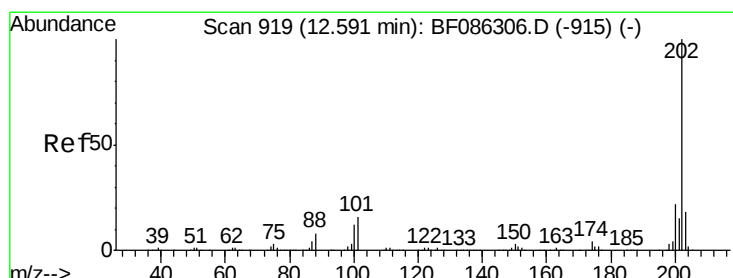
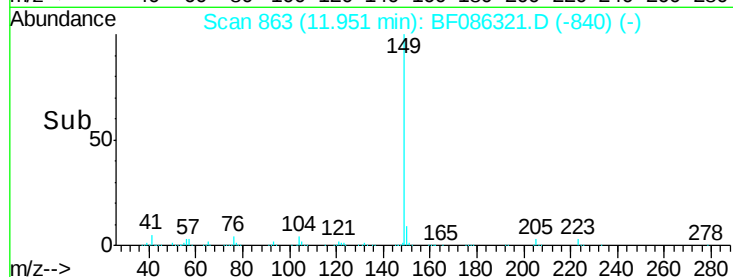
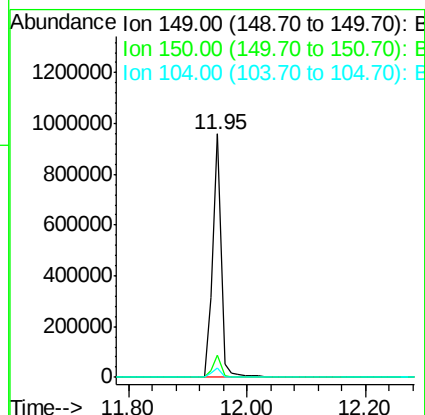
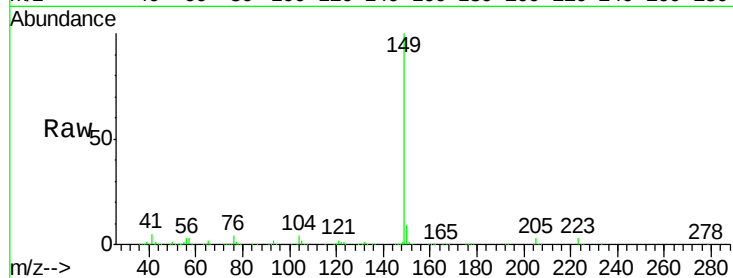
Tgt Ion:149 Resp: 955052

Ion Ratio Lower Upper

149 100

150 8.9 7.8 11.8

104 4.1 4.1 6.1#



#74

Fluoranthene

Concen: 19.04 ng

RT: 12.59 min Scan# 919

Delta R.T. -0.03 min

Lab File: BF086321.D

Acq: 20 Apr 2016 21:10

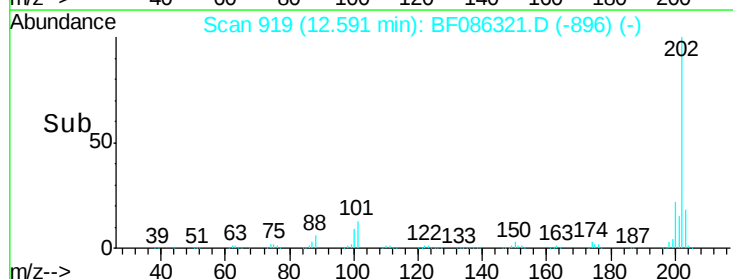
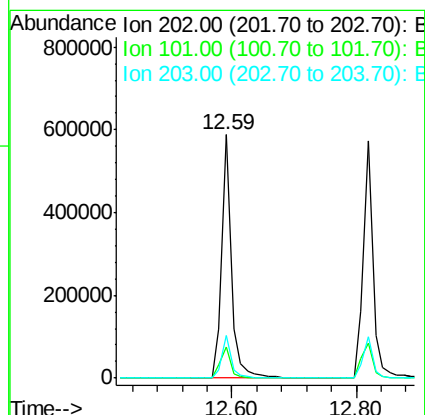
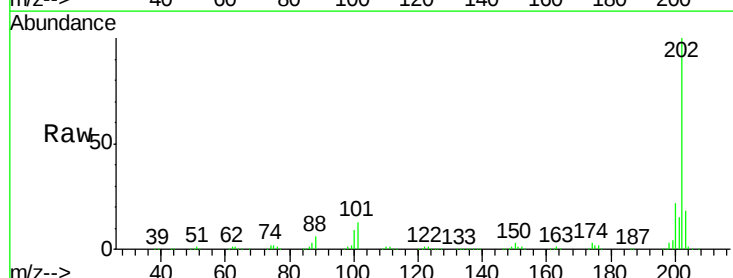
Tgt Ion:202 Resp: 629105

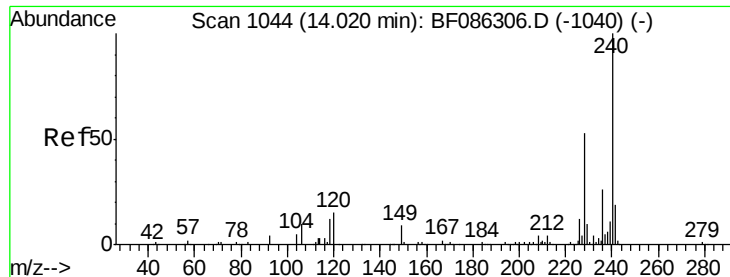
Ion Ratio Lower Upper

202 100

101 12.8 0.0 35.2

203 17.6 0.0 38.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 1044

Delta R.T. -0.03 min

Lab File: BF086321.D

Acq: 20 Apr 2016 21:10

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

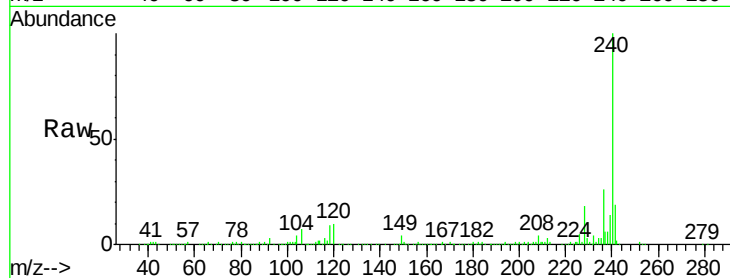
Tgt Ion:240 Resp: 434691

Ion Ratio Lower Upper

240 100

120 10.5 9.3 13.9

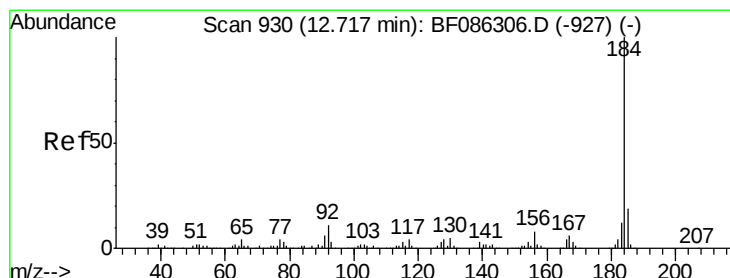
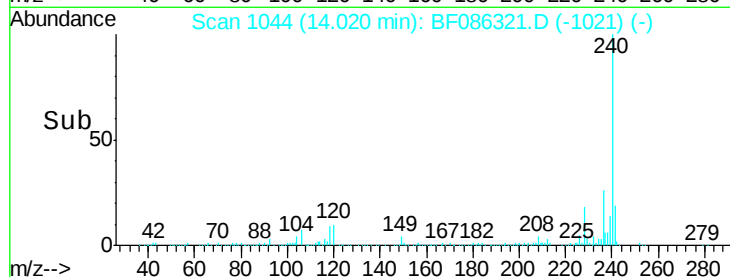
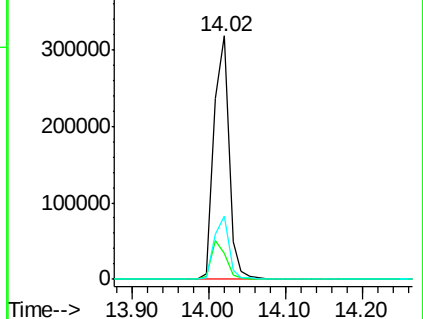
236 25.9 21.1 31.7



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: 8.03 ng

RT: 12.72 min Scan# 930

Delta R.T. -0.03 min

Lab File: BF086321.D

Acq: 20 Apr 2016 21:10

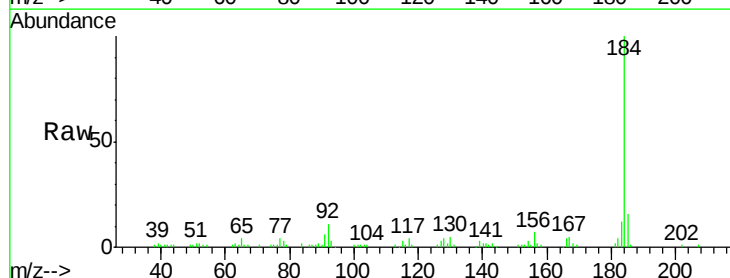
Tgt Ion:184 Resp: 154191

Ion Ratio Lower Upper

184 100

185 16.2 14.2 21.2

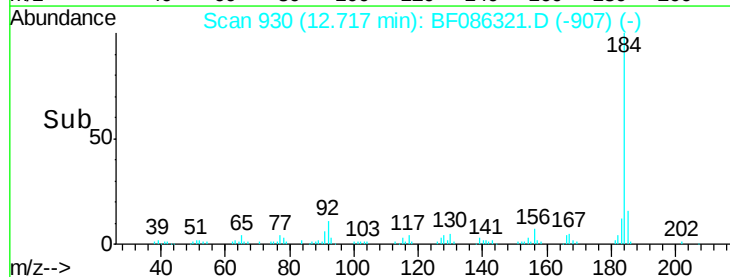
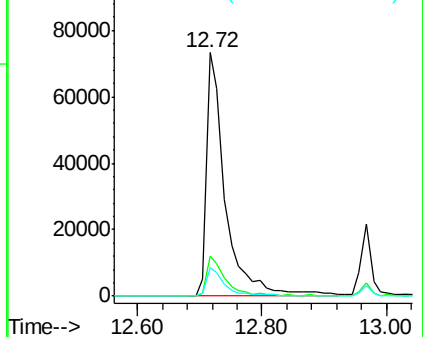
183 11.7 9.8 14.6

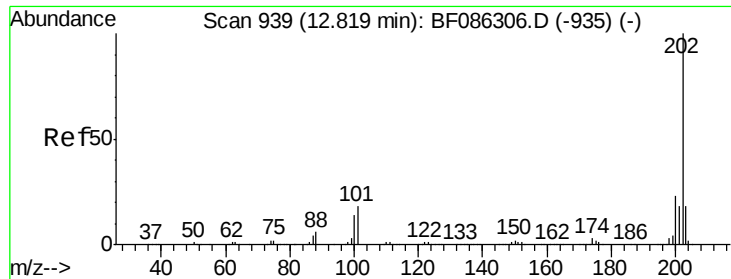


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

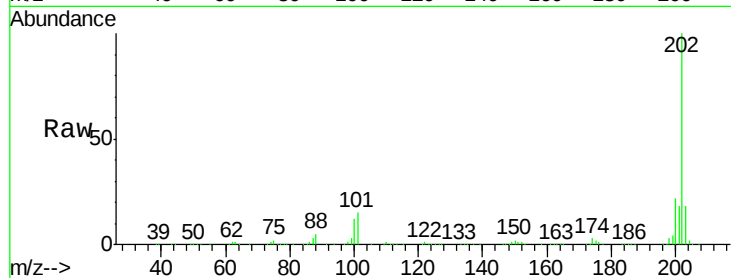




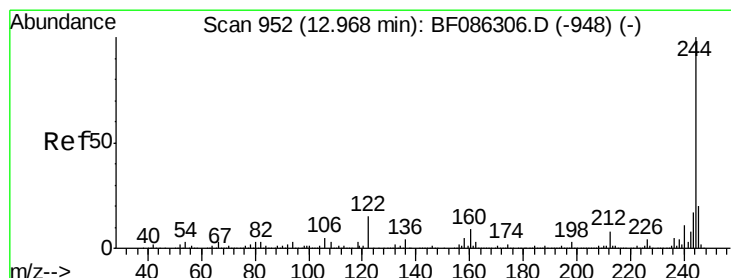
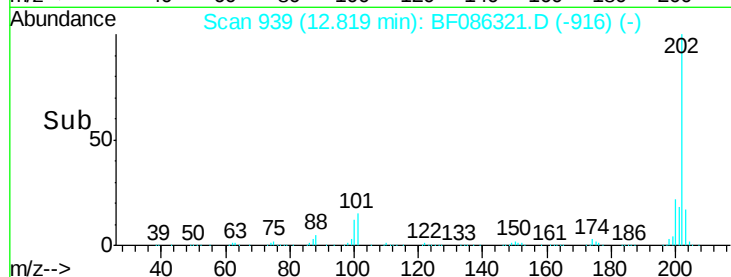
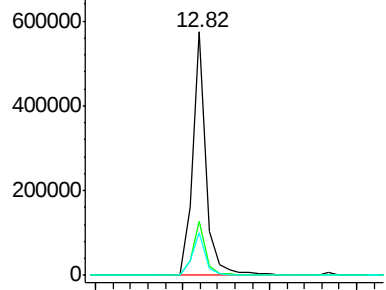
#77
 Pyrene
 Concen: 19.21 ng
 RT: 12.82 min Scan# 939
 Delta R.T. -0.03 min
 Lab File: BF086321.D
 Acq: 20 Apr 2016 21:10

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

Tgt Ion:202 Resp: 619378
 Ion Ratio Lower Upper
 202 100
 200 22.1 18.3 27.5
 203 17.6 14.9 22.3

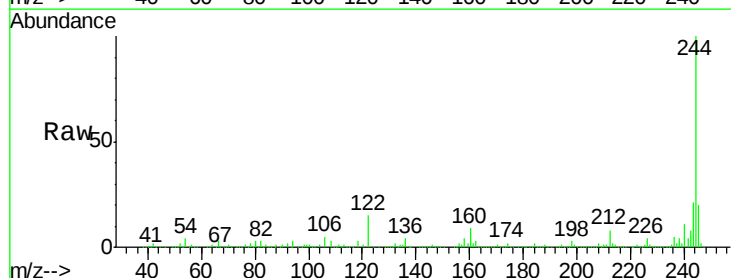


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

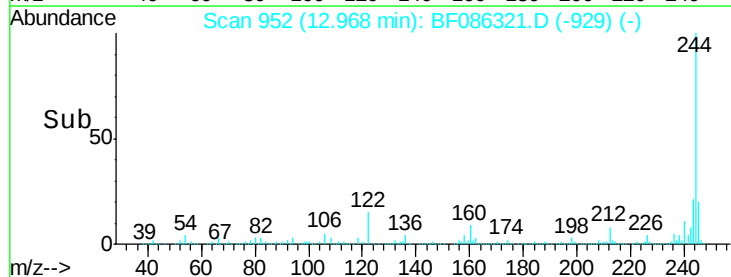
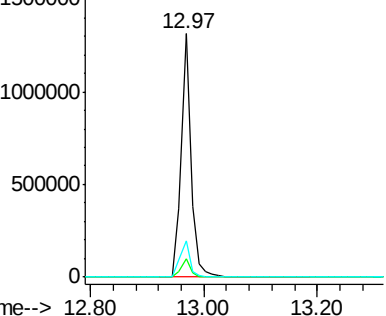


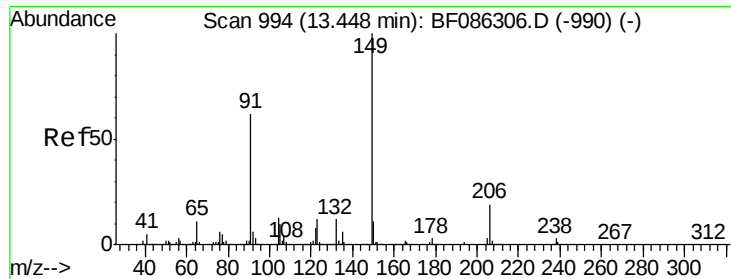
#78
 Terphenyl-d14
 Concen: 82.74 ng
 RT: 12.97 min Scan# 952
 Delta R.T. -0.03 min
 Lab File: BF086321.D
 Acq: 20 Apr 2016 21:10

Tgt Ion:244 Resp: 1510927
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.4 9.6
 122 14.9 11.7 17.5



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

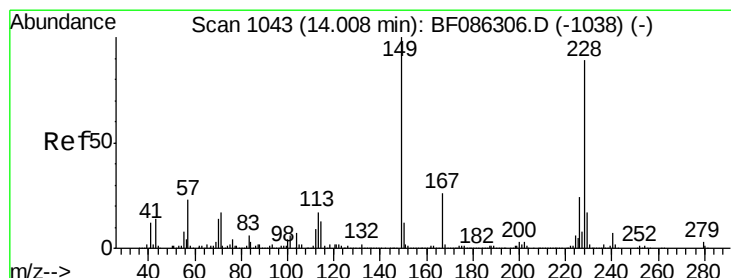
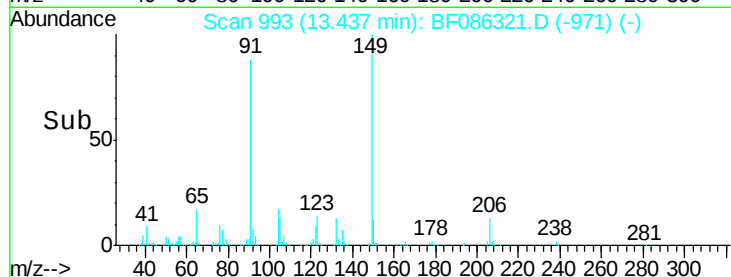
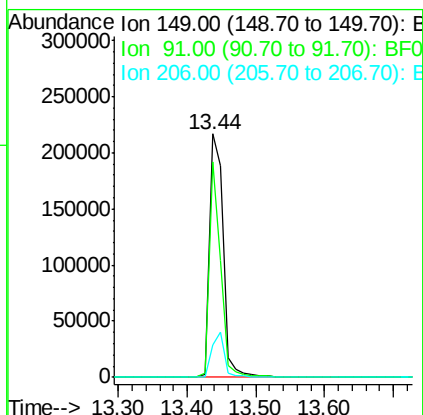
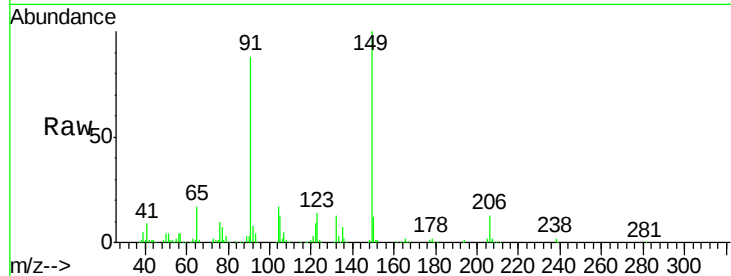




#79
Butylbenzylphthalate
Concen: 17.96 ng
RT: 13.44 min Scan# 993
Delta R.T. -0.05 min
Lab File: BF086321.D
Acq: 20 Apr 2016 21:10

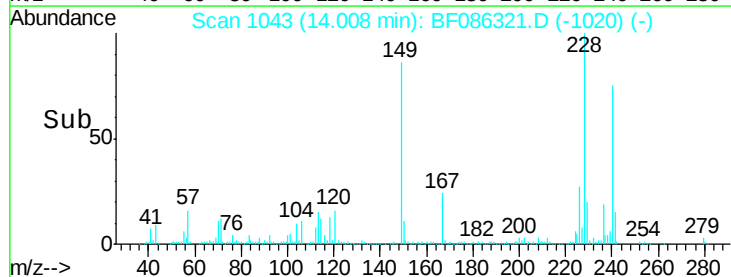
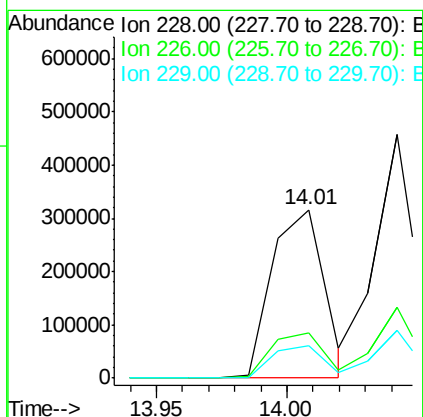
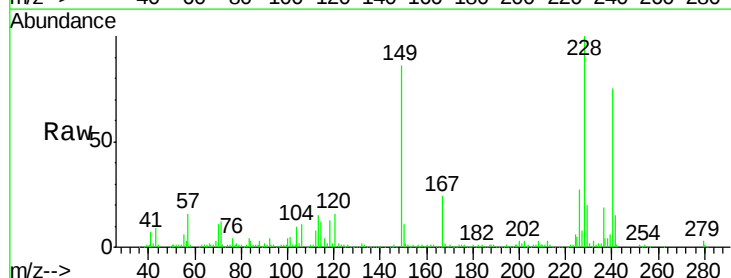
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

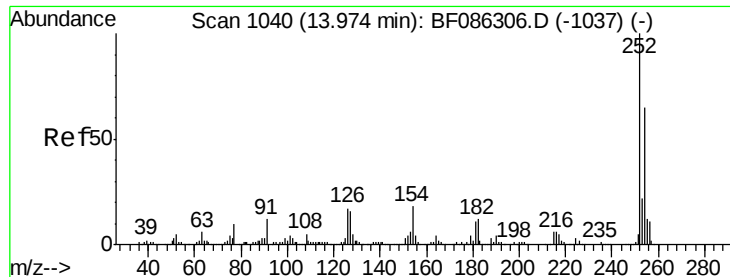
Tgt Ion:149 Resp: 305716
Ion Ratio Lower Upper
149 100
91 88.4 48.7 73.1#
206 13.1 15.7 23.5#



#80
Benzo(a)anthracene
Concen: 19.21 ng
RT: 14.01 min Scan# 1043
Delta R.T. -0.03 min
Lab File: BF086321.D
Acq: 20 Apr 2016 21:10

Tgt Ion:228 Resp: 439955
Ion Ratio Lower Upper
228 100
226 26.6 22.5 33.7
229 19.6 16.2 24.2

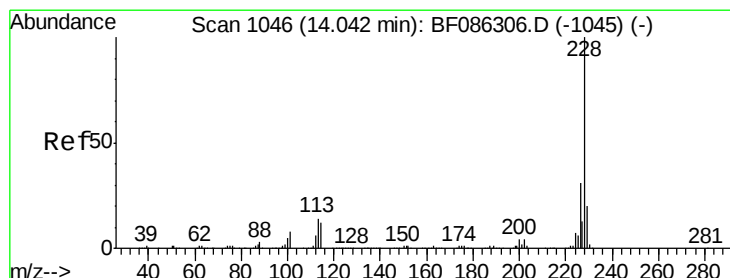
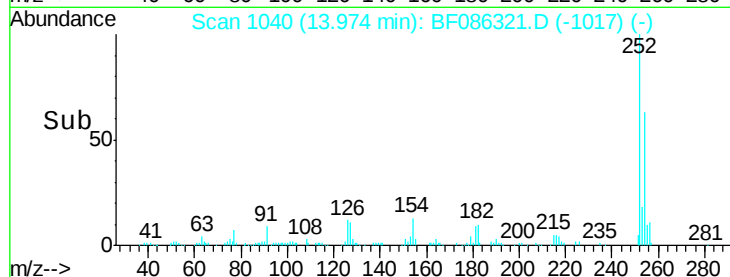
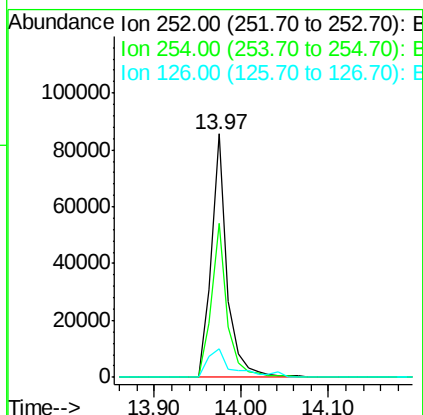
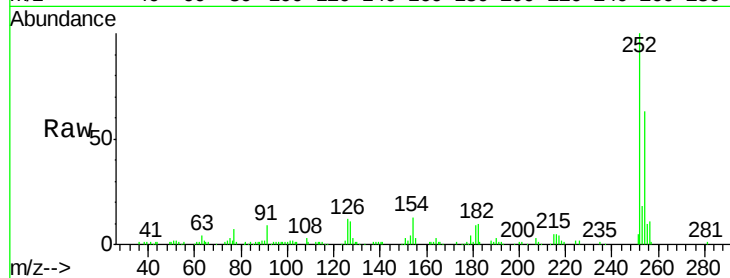




#81
 3,3'-Dichlorobenzidine
 Concen: 6.92 ng
 RT: 13.97 min Scan# 1040
 Delta R.T. -0.03 min
 Lab File: BF086321.D
 Acq: 20 Apr 2016 21:10

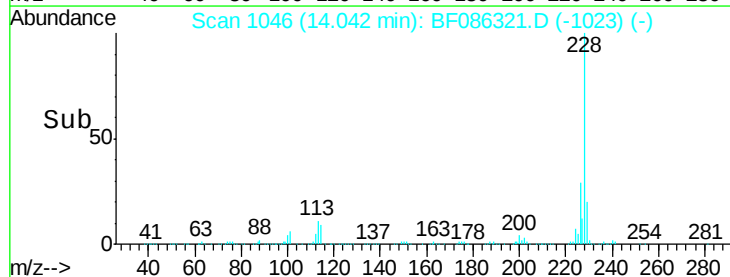
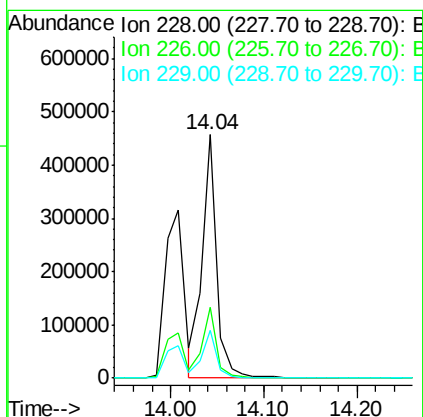
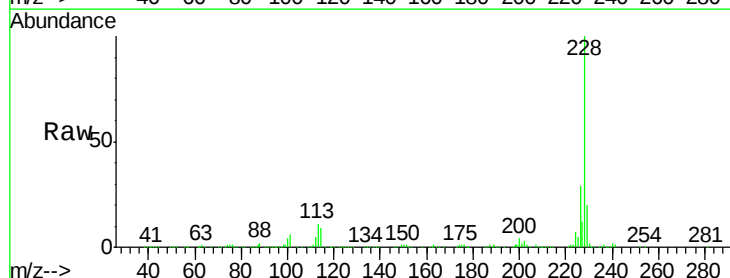
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

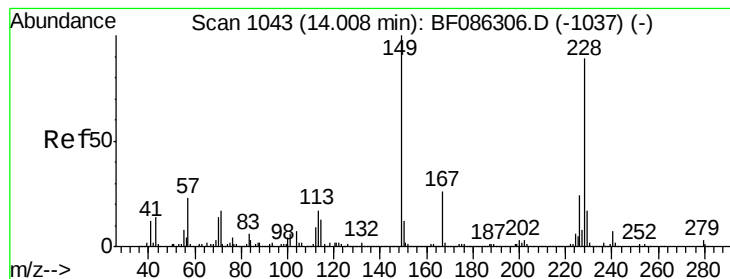
Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.1	52.1	78.1
126	11.9	13.2	19.8



#82
 Chrysene
 Concen: 20.14 ng
 RT: 14.04 min Scan# 1046
 Delta R.T. -0.03 min
 Lab File: BF086321.D
 Acq: 20 Apr 2016 21:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	25.4	38.2
229	19.5	16.5	24.7





#83

Bis(2-ethylhexyl)phthalate

Concen: 18.74 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.03 min

Lab File: BF086321.D

Acq: 20 Apr 2016 21:10

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

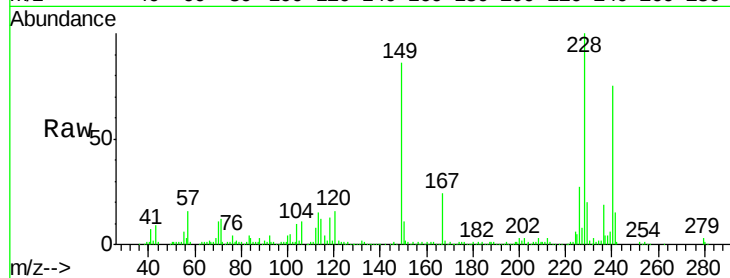
Tgt Ion:149 Resp: 373468

Ion Ratio Lower Upper

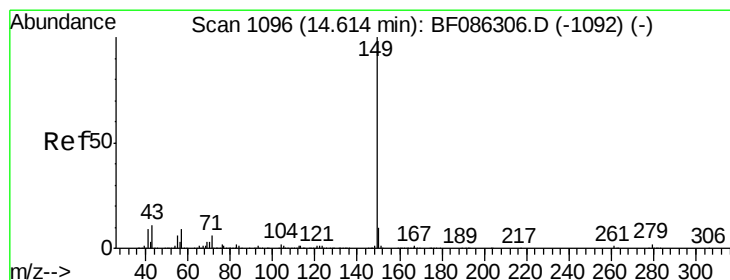
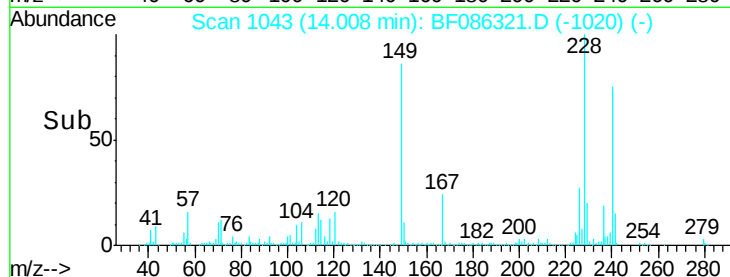
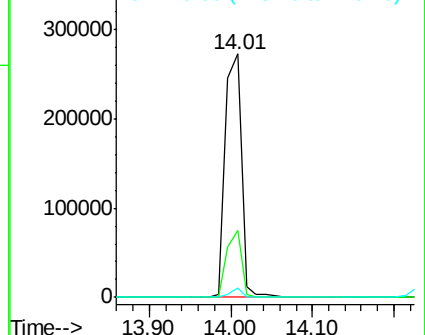
149 100

167 27.5 21.0 31.4

279 4.0 2.4 3.6#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 18.53 ng

RT: 14.61 min Scan# 1096

Delta R.T. -0.03 min

Lab File: BF086321.D

Acq: 20 Apr 2016 21:10

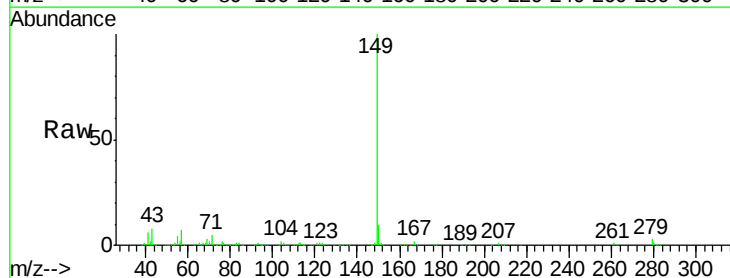
Tgt Ion:149 Resp: 665750

Ion Ratio Lower Upper

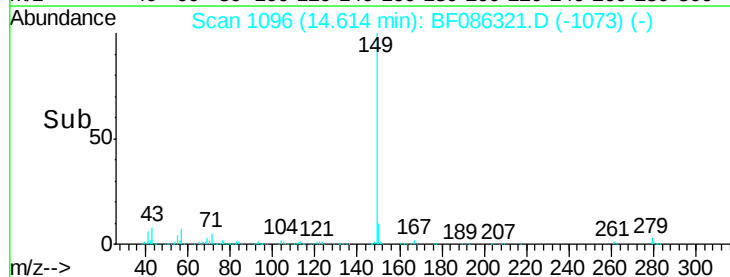
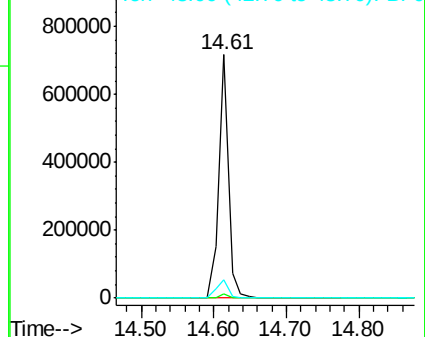
149 100

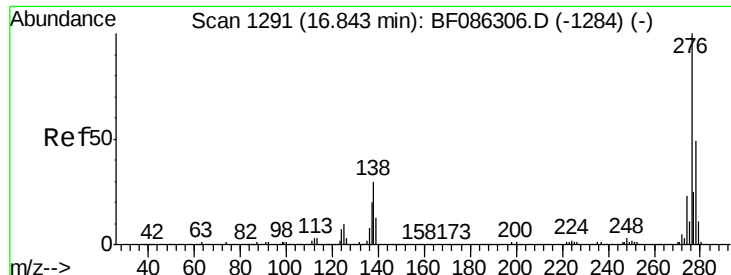
167 1.5 1.1 1.7

43 9.0 9.1 13.7#



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

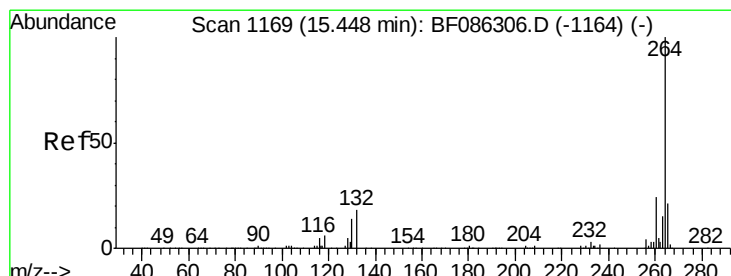
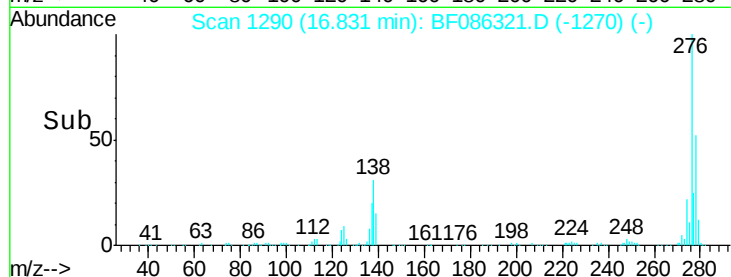
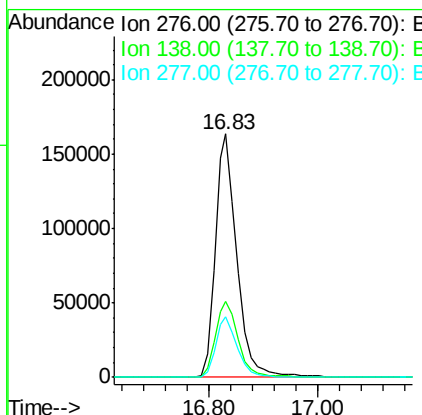
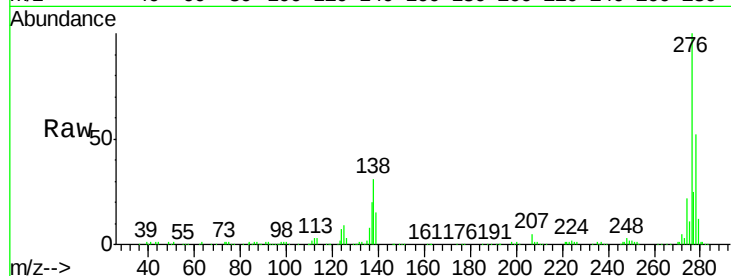




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 17.85 ng
 RT: 16.83 min Scan# 1290
 Delta R.T. -0.07 min
 Lab File: BF086321.D
 Acq: 20 Apr 2016 21:10

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

Tgt Ion	Ratio	Lower	Upper
276	100		
138	33.2	23.8	35.6
277	25.0	20.2	30.2



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.44 min Scan# 1168
 Delta R.T. -0.05 min
 Lab File: BF086321.D
 Acq: 20 Apr 2016 21:10

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	20.0	30.0
265	22.4	17.4	26.0

