

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072016\
 Data File : BF089144.D
 Acq On : 20 Jul 2016 21:23
 Operator : UM/SJ
 Sample : H3606-04
 Misc : LOQ 20PPM
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

Quant Time: Jul 21 02:34:03 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 20 19:03:15 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	60373	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	273621	20.00	ng	0.00
38) Acenaphthene-d10	9.63	164	134842	20.00	ng	0.00
63) Phenanthrene-d10	11.11	188	259050	20.00	ng	0.00
75) Chrysene-d12	13.73	240	205645	20.00	ng	0.00
86) Perylene-d12	15.06	264	165906	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	425846	107.28	ng	0.01
7) Phenol-d6	6.26	99	549920	107.43	ng	-0.01
23) Nitrobenzene-d5	7.18	82	375142	72.85	ng	0.00
41) 2,4,6-Tribromophenol	10.42	330	133545	110.00	ng	0.00
44) 2-Fluorobiphenyl	8.96	172	660646	67.51	ng	-0.01
78) Terphenyl-d14	12.68	244	561983	59.27	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	2.14	88	20399	11.83	ng	92
3) Pyridine	2.80	79	44955	10.27	ng	96
4) n-Nitrosodimethylamine	2.72	42	23441	12.72	ng	96
6) Aniline	6.27	93	43395	6.27	ng	# 1
8) 2-Chlorophenol	6.39	128	64700	14.69	ng	86
9) Benzaldehyde	6.15	77	51342	16.43	ng	98
10) Phenol	6.27	94	80951	13.73	ng	# 60
11) bis(2-Chloroethyl)ether	6.35	93	62561	14.12	ng	96
12) 1,3-Dichlorobenzene	6.54	146	67067	13.79	ng	96
13) 1,4-Dichlorobenzene	6.62	146	71399	14.57	ng	96
14) 1,2-Dichlorobenzene	6.76	146	62026m	13.43	ng	
15) Benzyl Alcohol	6.75	79	61261	16.34	ng	# 88
16) 2,2'-oxybis(1-Chloropropan	6.89	45	68639	13.60	ng	# 67
17) 2-Methylphenol	6.88	107	54428	15.69	ng	95
18) Hexachloroethane	7.11	117	26387	14.33	ng	# 90
19) n-Nitroso-di-n-propylamine	7.03	70	49170	14.69	ng	97
20) 3+4-Methylphenols	7.04	107	72960	15.49	ng	92
22) Acetophenone	7.02	105	94921	12.99	ng	99
24) Nitrobenzene	7.19	77	71905	13.24	ng	90
25) Isophorone	7.43	82	127392	13.42	ng	98
26) 2-Nitrophenol	7.51	139	33513	13.23	ng	# 87
27) 2,4-Dimethylphenol	7.56	122	54370	12.74	ng	95
28) bis(2-Chloroethoxy)methane	7.64	93	76106	12.82	ng	98
29) 2,4-Dichlorophenol	7.76	162	52421	13.63	ng	94
30) 1,2,4-Trichlorobenzene	7.83	180	55978	13.15	ng	97
31) Naphthalene	7.91	128	197081	13.35	ng	99
32) Benzoic acid	7.68	122	29243	8.91	ng	95
33) 4-Chloroaniline	7.96	127	28804	4.64	ng	# 90
34) Hexachlorobutadiene	8.03	225	28613	12.07	ng	98
35) Caprolactam	8.32	113	17306	14.49	ng	100
36) 4-Chloro-3-methylphenol	8.47	107	60449	13.04	ng	91
37) 2-Methylnaphthalene	8.59	142	127076	13.49	ng	97
39) 1,2,4,5-Tetrachlorobenzene	8.76	216	56836	11.34	ng	98
40) Hexachlorocyclopentadiene	8.75	237	13200	15.49	ng	98

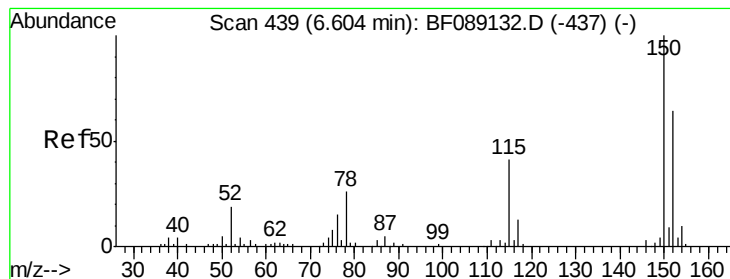
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072016\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.88	196	35125	12.52	ng	95
43) 2,4,5-Trichlorophenol	8.92	196	42057	14.94	ng #	91
45) 1,1'-Biphenyl	9.06	154	161338	13.29	ng	96
46) 2-Chloronaphthalene	9.08	162	120969	13.11	ng	93
47) 2-Nitroaniline	9.19	65	38611	12.20	ng #	76
48) Acenaphthylene	9.48	152	187455	12.92	ng	99
49) Dimethylphthalate	9.37	163	144548	13.97	ng	99
50) 2,6-Dinitrotoluene	9.43	165	32409	13.87	ng #	83
51) Acenaphthene	9.66	154	107972	12.58	ng	99
52) 3-Nitroaniline	9.60	138	18320	6.60	ng	97
53) 2,4-Dinitrophenol	9.71	184	9589	15.72	ng #	89
54) Dibenzofuran	9.84	168	171903	14.82	ng	90
55) 4-Nitrophenol	9.78	139	19484	11.61	ng	87
56) 2,4-Dinitrotoluene	9.83	165	41338	13.74	ng	97
57) Fluorene	10.17	166	138108	14.03	ng	99
58) 2,3,4,6-Tetrachlorophenol	9.96	232	29449	14.56	ng	97
59) Diethylphthalate	10.07	149	152200	14.83	ng	97
60) 4-Chlorophenyl-phenylether	10.17	204	63711	14.18	ng #	79
61) 4-Nitroaniline	10.20	138	33171	12.29	ng	96
62) Azobenzene	10.33	77	162176	14.54	ng	93
64) 4,6-Dinitro-2-methylphenol	10.24	198	18735	12.42	ng	88
65) n-Nitrosodiphenylamine	10.30	169	124331	14.36	ng	99
66) 4-Bromophenyl-phenylether	10.66	248	34740	13.55	ng #	78
67) Hexachlorobenzene	10.72	284	38072	13.81	ng #	80
68) Atrazine	10.82	200	40299	14.88	ng	98
69) Pentachlorophenol	10.92	266	14603	11.48	ng	98
70) Phenanthrene	11.13	178	205544	14.46	ng	98
71) Anthracene	11.18	178	212963	14.42	ng	100
72) Carbazole	11.34	167	188463	14.53	ng	99
73) Di-n-butylphthalate	11.68	149	248270	15.47	ng	99
74) Fluoranthene	12.31	202	212439	14.22	ng	92
76) Benzidine	12.43	184	25923	3.67	ng	98
77) Pyrene	12.52	202	203598	11.99	ng	99
79) Butylbenzylphthalate	13.16	149	98226	13.67	ng #	83
80) Benzo(a)anthracene	13.71	228	171058	13.06	ng	99
81) 3,3'-Dichlorobenzidine	13.68	252	45798	10.54	ng #	98
82) Chrysene	13.75	228	172445	13.78	ng	100
83) Bis(2-ethylhexyl)phthalate	13.73	149	129014	13.54	ng #	97
84) Di-n-octyl phthalate	14.33	149	203805	12.96	ng	99
85) Indeno(1,2,3-cd)pyrene	16.29	276	125148	13.77	ng	100
87) Benzo(b)fluoranthene	14.71	252	174502m	14.52	ng	
88) Benzo(k)fluoranthene	14.73	252	124803m	14.52	ng	
89) Benzo(a)pyrene	15.02	252	137605	14.75	ng #	93
90) Dibenzo(a,h)anthracene	16.30	278	103779	14.09	ng #	95
91) Benzo(g,h,i)perylene	16.65	276	102042	13.74	ng	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.60 min Scan# 439

Delta R.T. 0.00 min

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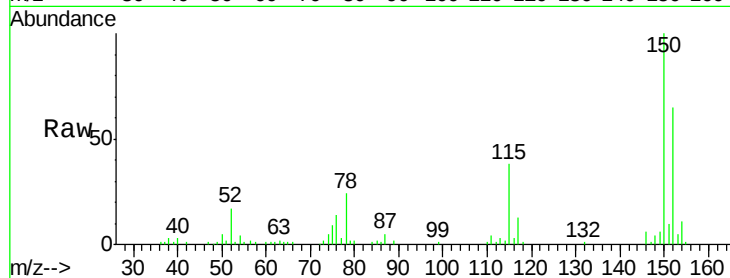
Tgt Ion:152 Resp: 60373

Ion Ratio Lower Upper

152 100

150 154.7 125.1 187.7

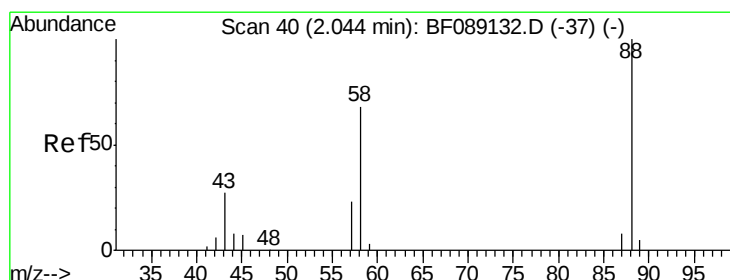
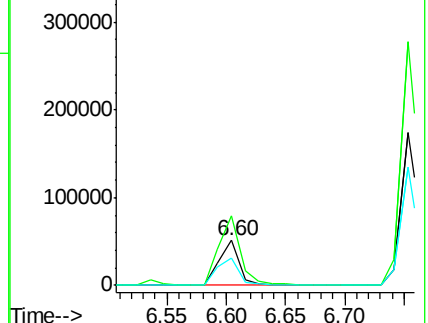
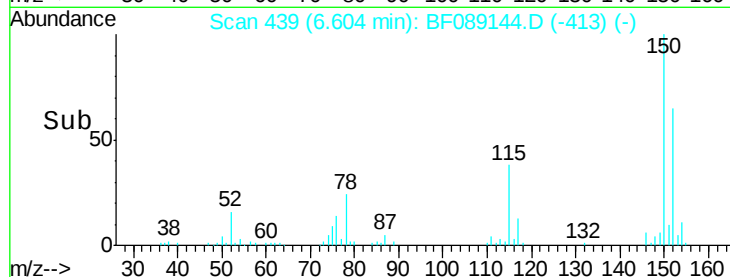
115 59.5 51.1 76.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 11.83 ng

RT: 2.14 min Scan# 48

Delta R.T. 0.09 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

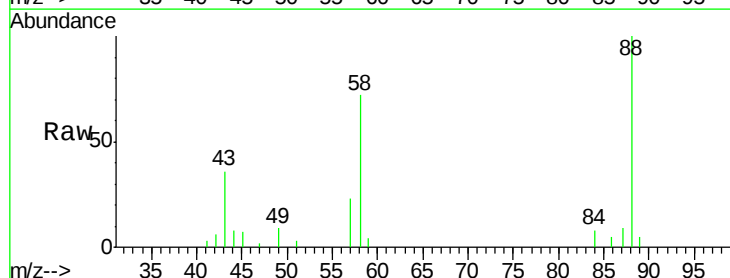
Tgt Ion: 88 Resp: 20399

Ion Ratio Lower Upper

88 100

58 67.4 49.2 73.8

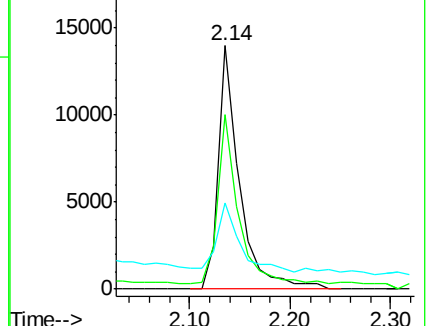
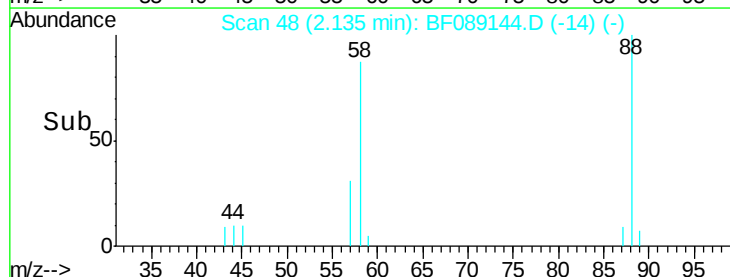
43 30.6 20.6 30.8



Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 10.27 ng

RT: 2.80 min Scan# 106

Delta R.T. 0.13 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

Instrument :

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ClientSampleId :

LOQ-SOIL2016-02

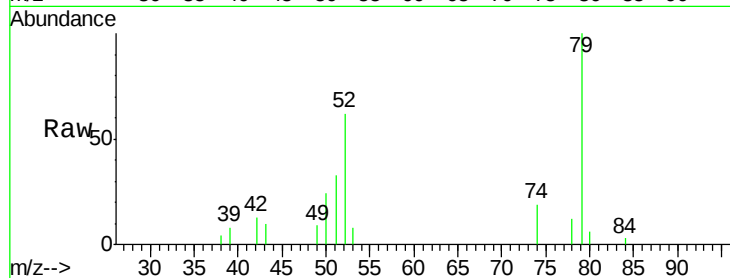
Tgt Ion: 79 Resp: 44955

Ion Ratio Lower Upper

79 100

52 61.6 52.9 79.3

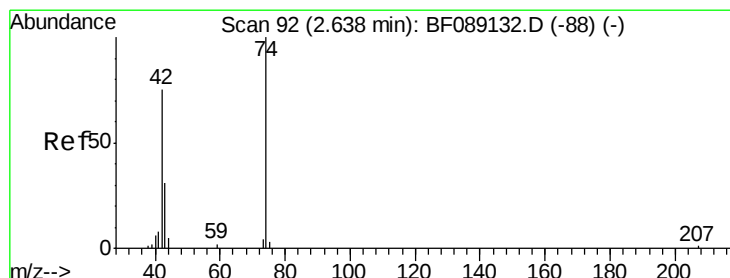
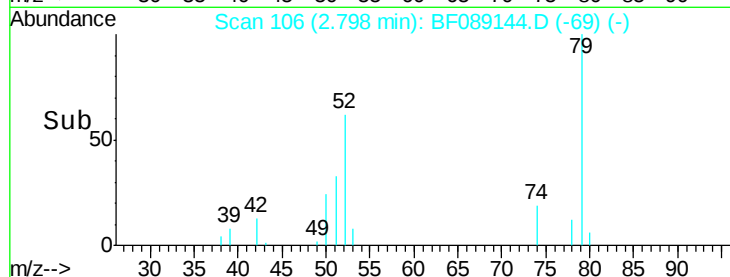
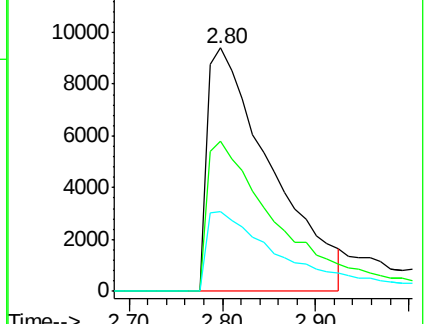
51 33.0 27.0 40.6



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: 12.72 ng

RT: 2.72 min Scan# 99

Delta R.T. 0.08 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

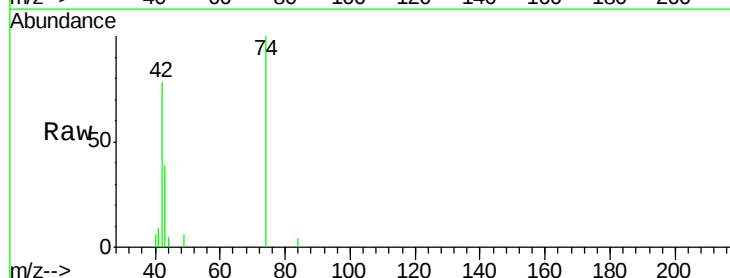
Tgt Ion: 42 Resp: 23441

Ion Ratio Lower Upper

42 100

74 128.4 106.4 159.6

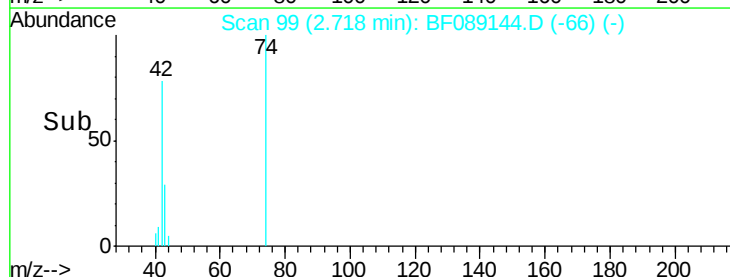
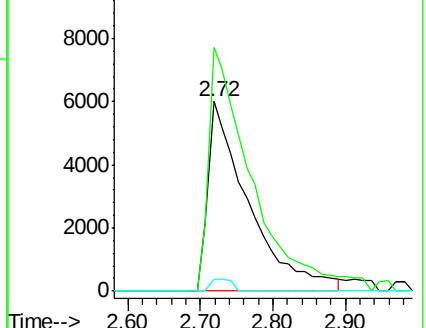
44 6.0 5.2 7.8

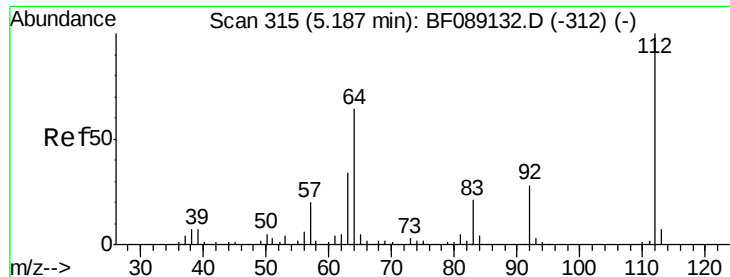


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 107.28 ng

RT: 5.20 min Scan# 316

Delta R.T. 0.01 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

Instrument :

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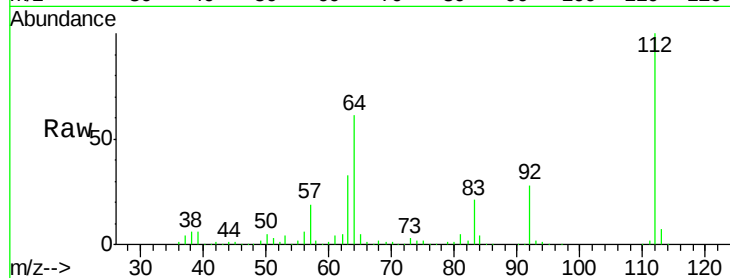
Tgt Ion: 112 Resp: 425846

Ion Ratio Lower Upper

112 100

64 60.7 51.0 76.4

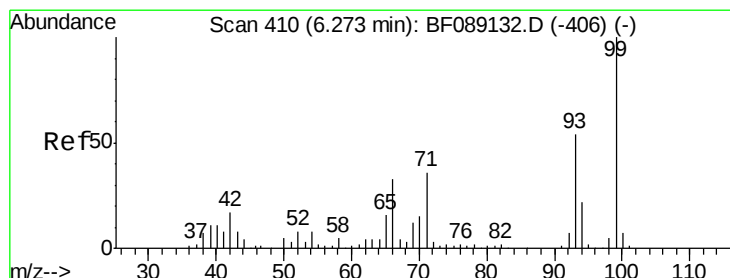
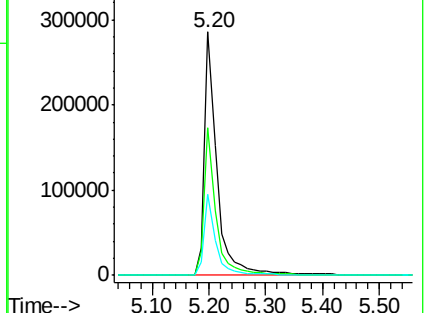
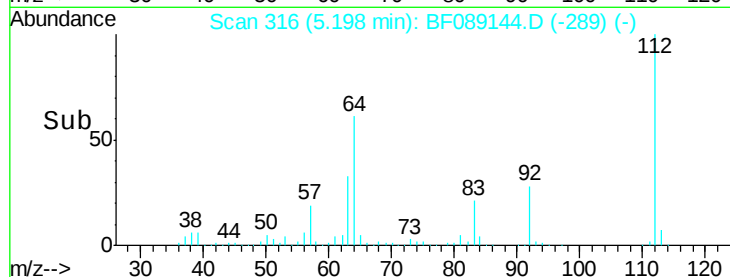
63 33.0 27.3 40.9



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 6.27 ng

RT: 6.27 min Scan# 410

Delta R.T. 0.00 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

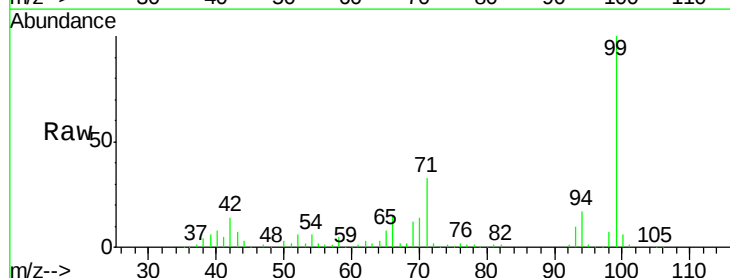
Tgt Ion: 93 Resp: 43395

Ion Ratio Lower Upper

93 100

66 154.6 48.9 73.3#

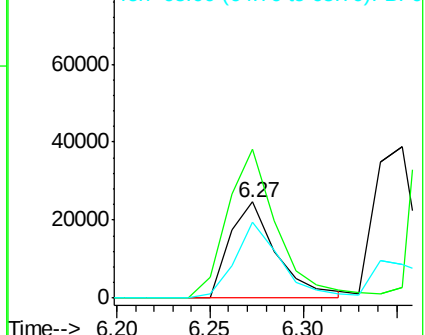
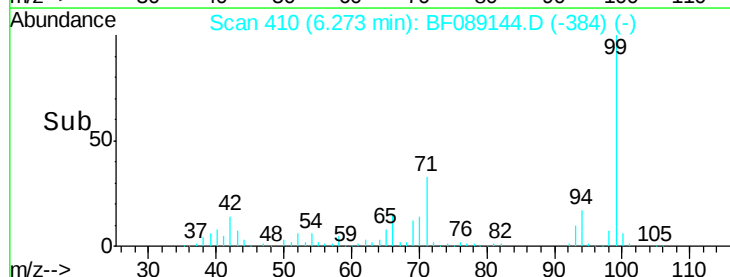
65 78.5 23.9 35.9#

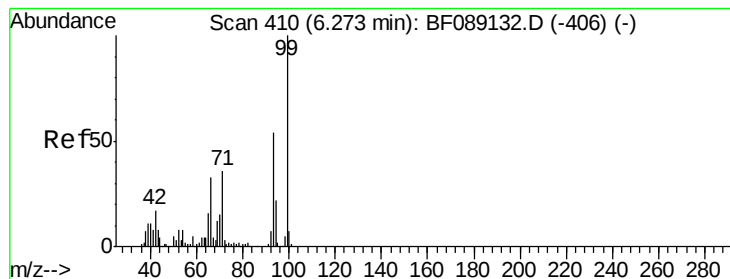


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 107.43 ng

RT: 6.26 min Scan# 409

Delta R.T. -0.01 min

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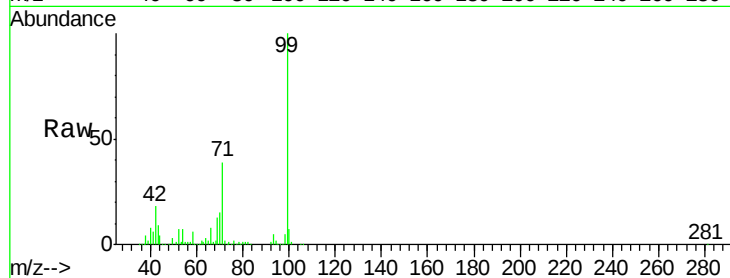
Tgt Ion: 99 Resp: 549920

Ion Ratio Lower Upper

99 100

42 18.3 13.5 20.3

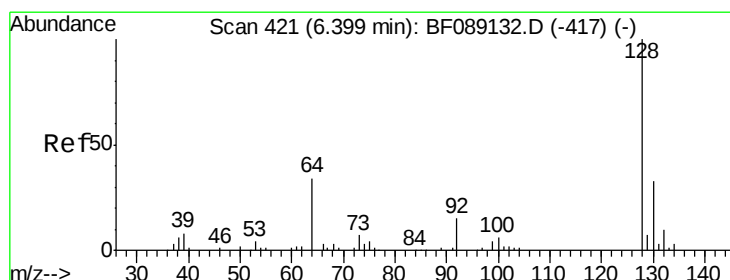
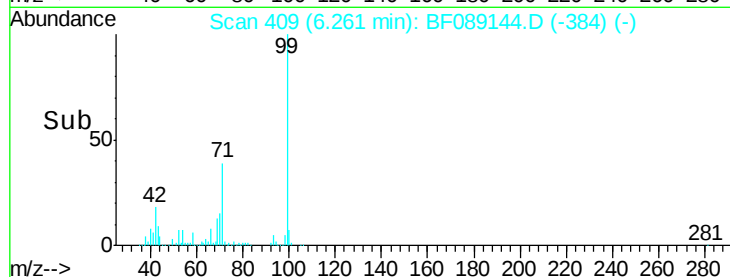
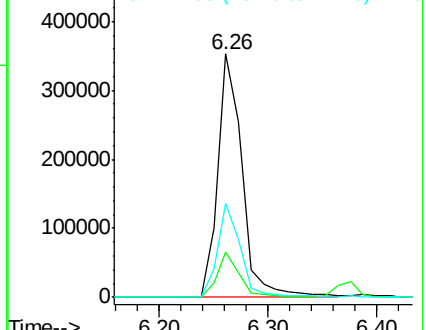
71 38.6 28.9 43.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 14.69 ng

RT: 6.39 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

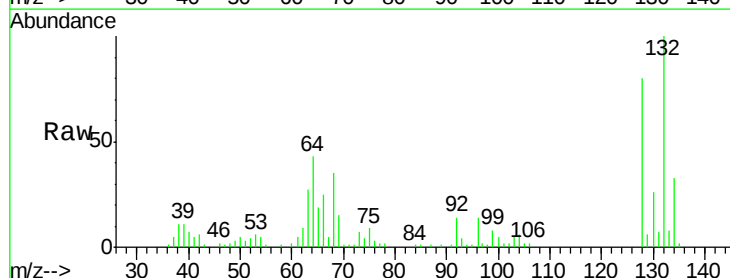
Tgt Ion: 128 Resp: 64700

Ion Ratio Lower Upper

128 100

130 31.8 12.6 52.6

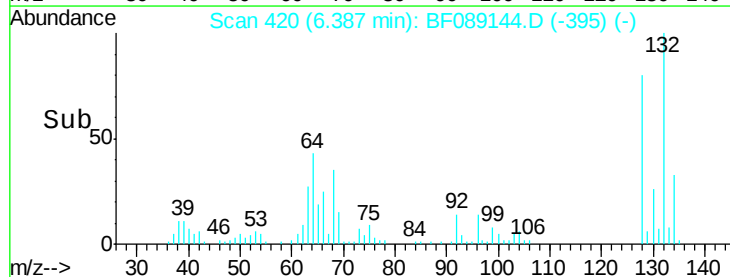
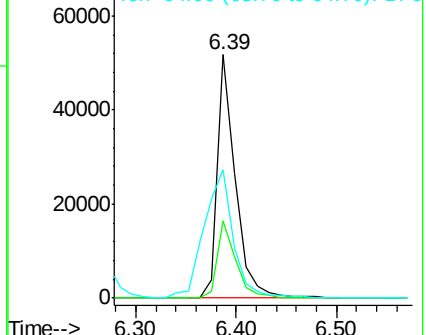
64 52.9 17.5 57.5

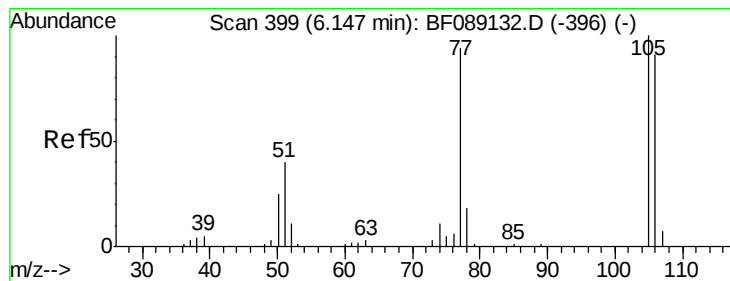


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 16.43 ng

RT: 6.15 min Scan# 399

Delta R.T. 0.00 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

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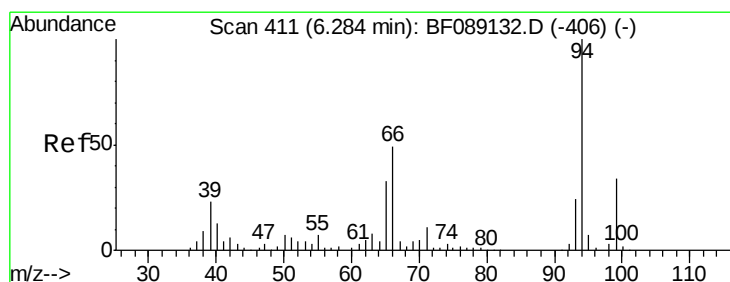
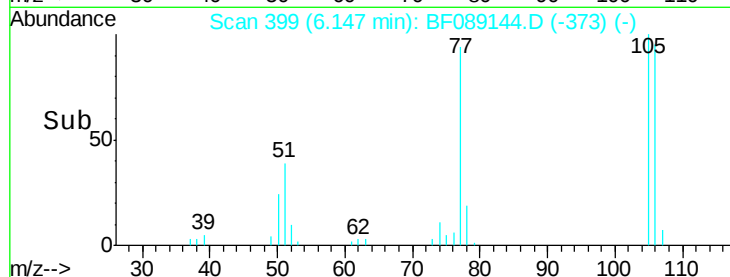
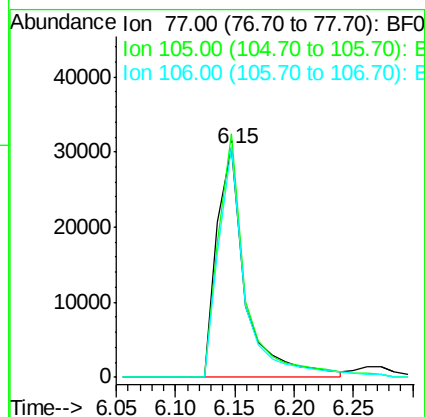
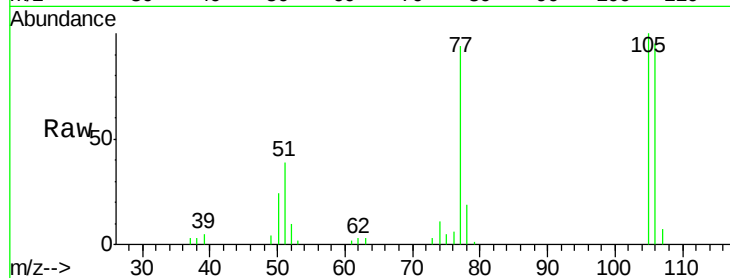
Tgt Ion: 77 Resp: 51342

Ion Ratio Lower Upper

77 100

105 106.2 86.2 126.2

106 100.6 76.3 116.3



#10

Phenol

Concen: 13.73 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

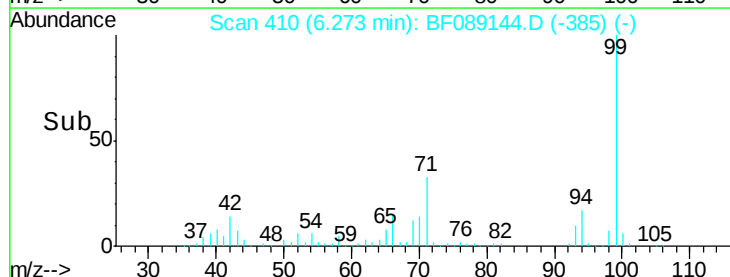
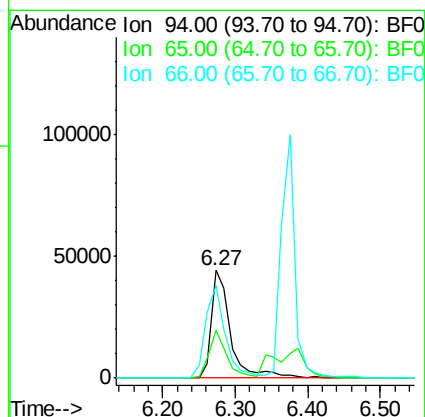
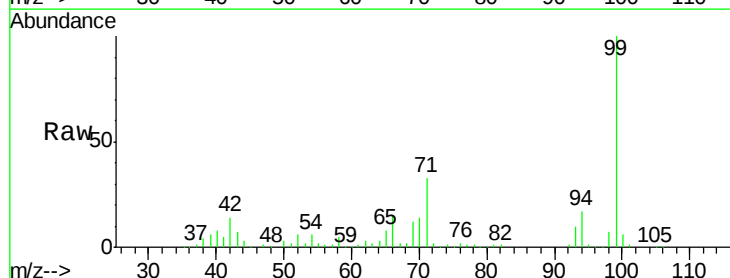
Tgt Ion: 94 Resp: 80951

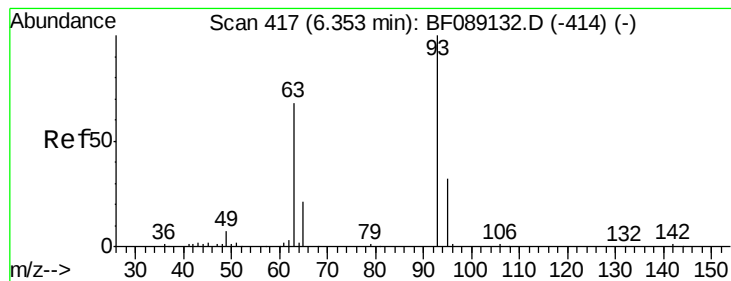
Ion Ratio Lower Upper

94 100

65 43.9 13.3 53.3

66 86.4 29.3 69.3#

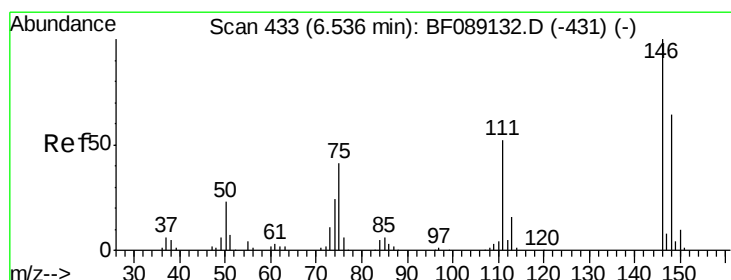
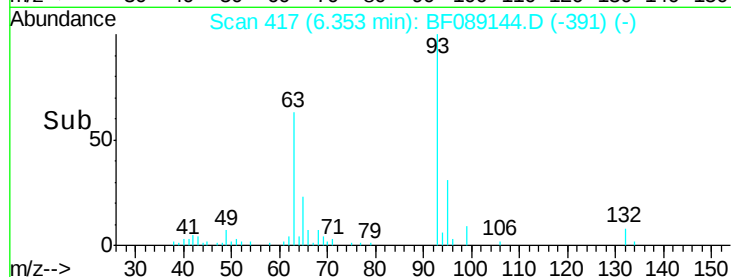
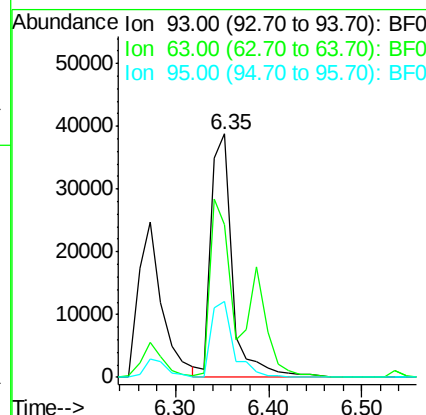
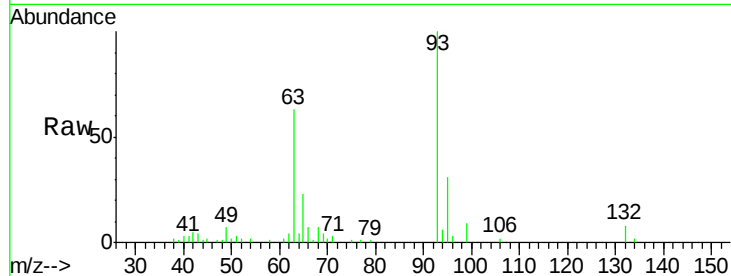




#11
bis(2-Chloroethyl)ether
Concen: 14.12 ng
RT: 6.35 min Scan# 417
Delta R.T. 0.00 min
Lab File: BF089144.D
Acq: 20 Jul 2016 21:23

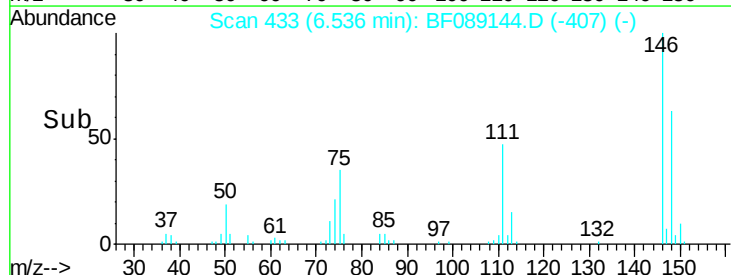
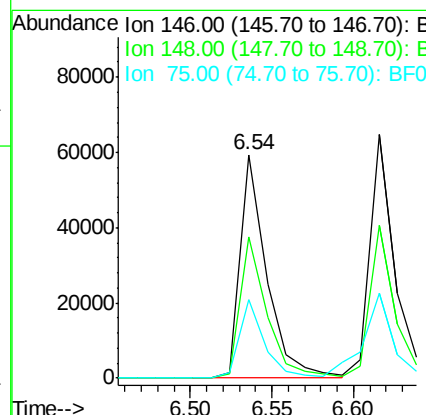
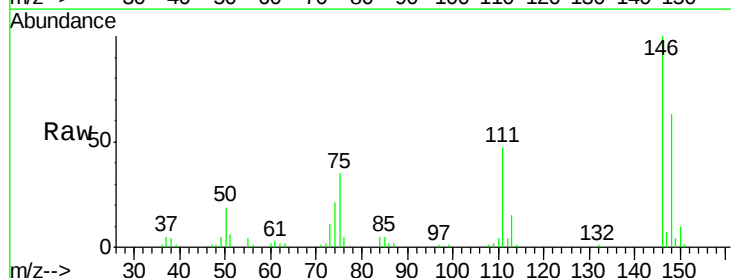
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

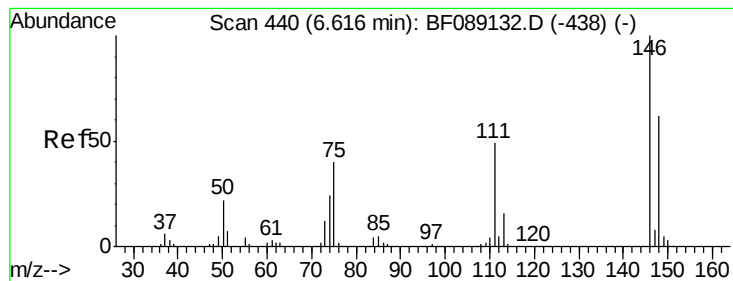
Tgt Ion: 93 Resp: 62561
Ion Ratio Lower Upper
93 100
63 63.0 47.3 87.3
95 31.4 11.8 51.8



#12
1,3-Dichlorobenzene
Concen: 13.79 ng
RT: 6.54 min Scan# 433
Delta R.T. 0.00 min
Lab File: BF089144.D
Acq: 20 Jul 2016 21:23

Tgt Ion: 146 Resp: 67067
Ion Ratio Lower Upper
146 100
148 62.9 51.0 76.6
75 35.1 32.5 48.7





#13

1,4-Dichlorobenzene

Concen: 14.57 ng

RT: 6.62 min Scan# 440

Delta R.T. 0.00 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

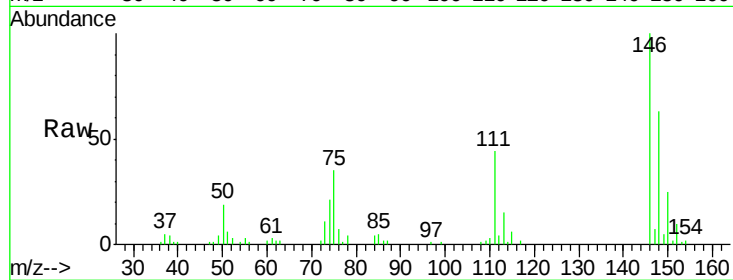
Tgt Ion:146 Resp: 71399

Ion Ratio Lower Upper

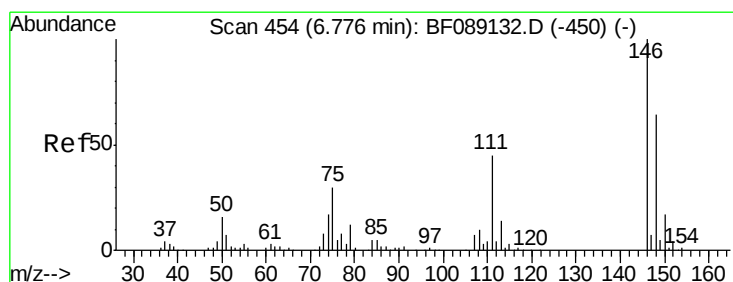
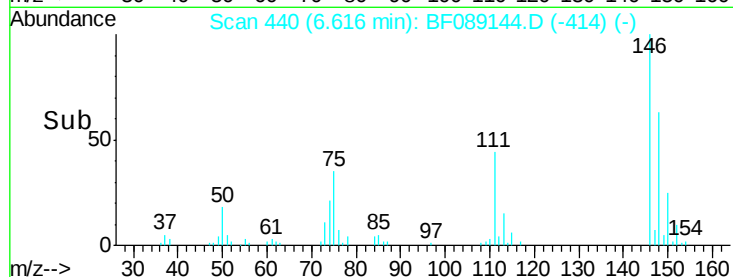
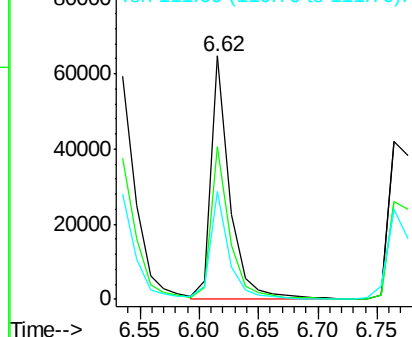
146 100

148 62.6 49.9 74.9

111 44.4 39.8 59.6



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



#14

1,2-Dichlorobenzene

Concen: 13.43 ng m

RT: 6.76 min Scan# 453

Delta R.T. -0.01 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

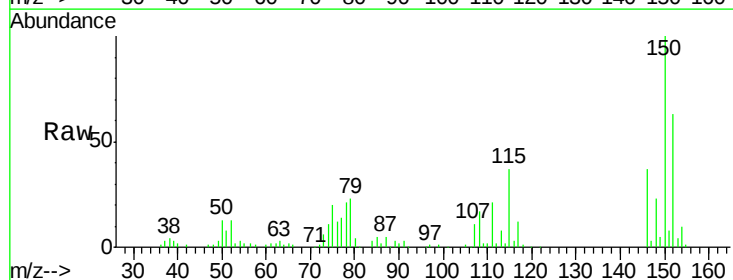
Tgt Ion:146 Resp: 62026

Ion Ratio Lower Upper

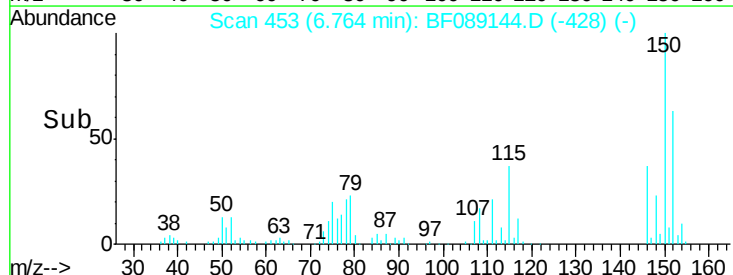
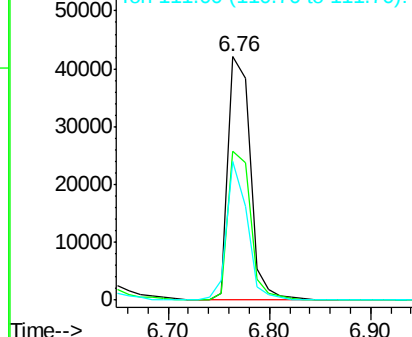
146 100

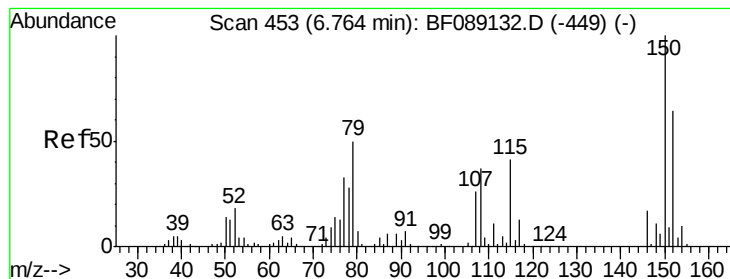
148 61.3 51.4 77.0

111 56.8 35.9 53.9#



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: 16.34 ng

RT: 6.75 min Scan# 452

Delta R.T. -0.01 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

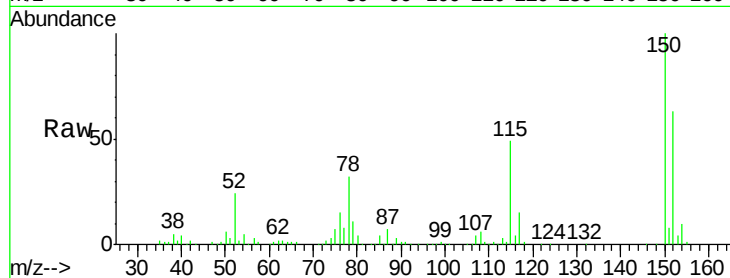
Tgt Ion: 79 Resp: 61261

Ion Ratio Lower Upper

79 100

108 56.6 58.2 87.4#

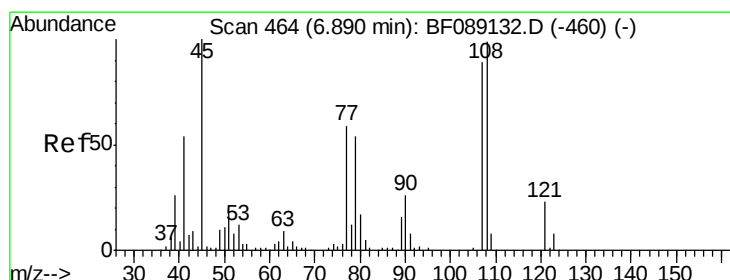
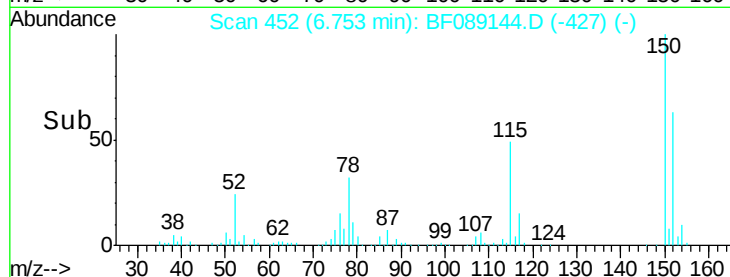
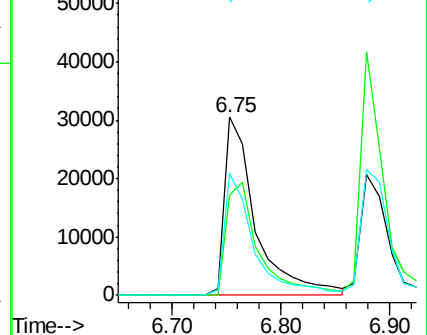
77 68.8 52.2 78.4



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: 13.60 ng

RT: 6.89 min Scan# 464

Delta R.T. 0.00 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

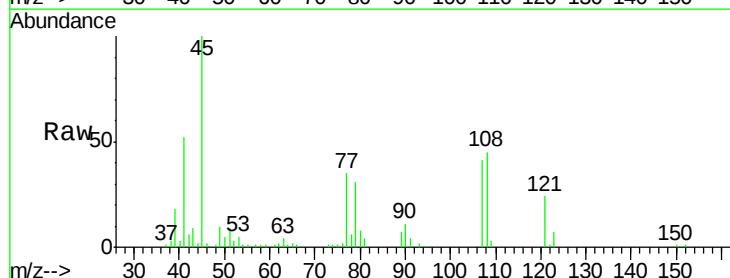
Tgt Ion: 45 Resp: 68639

Ion Ratio Lower Upper

45 100

77 34.6 39.7 79.7#

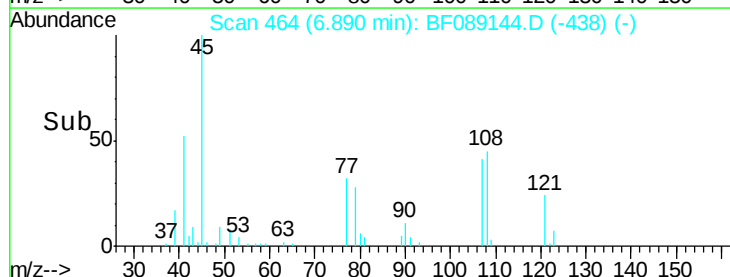
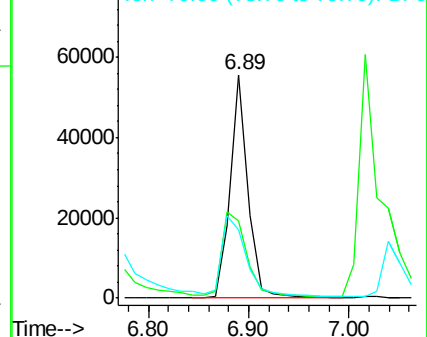
79 30.6 34.7 74.7#

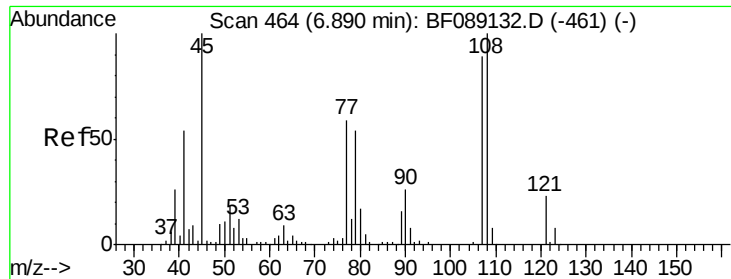


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

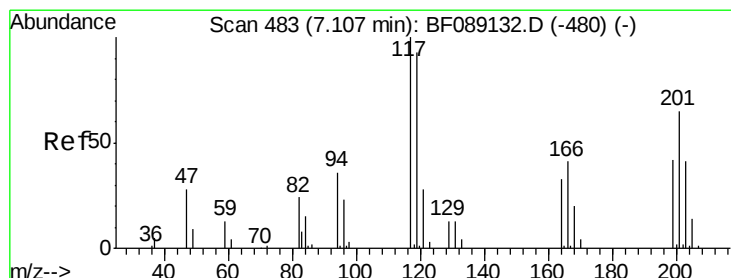
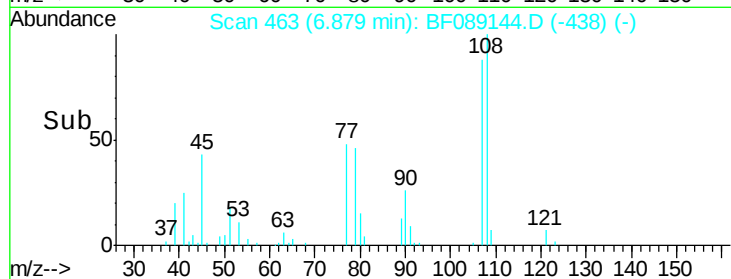
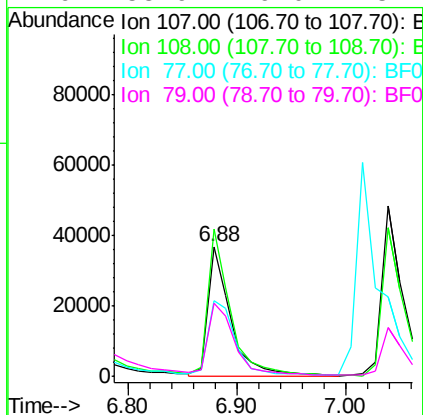
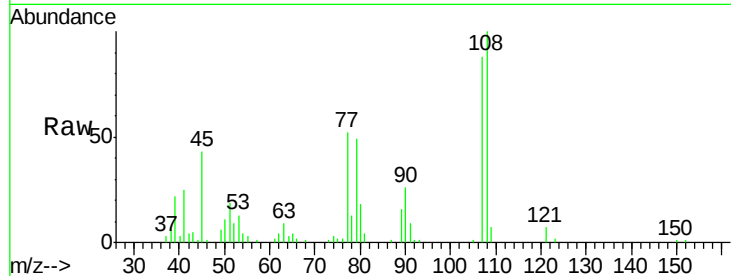




#17
2-Methylphenol
Concen: 15.69 ng
RT: 6.88 min Scan# 463
Delta R.T. -0.01 min
Lab File: BF089144.D
Acq: 20 Jul 2016 21:23

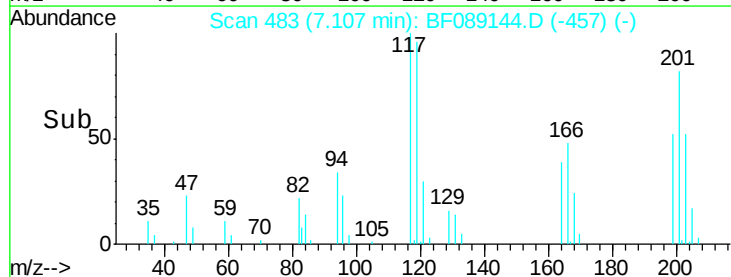
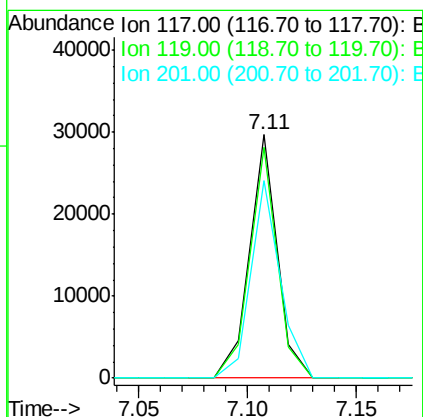
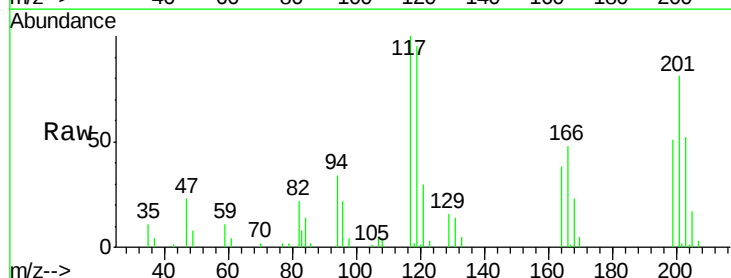
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

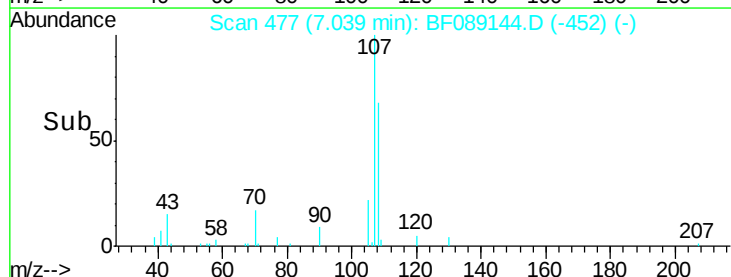
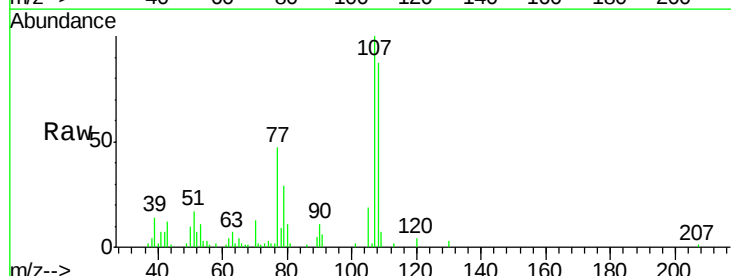
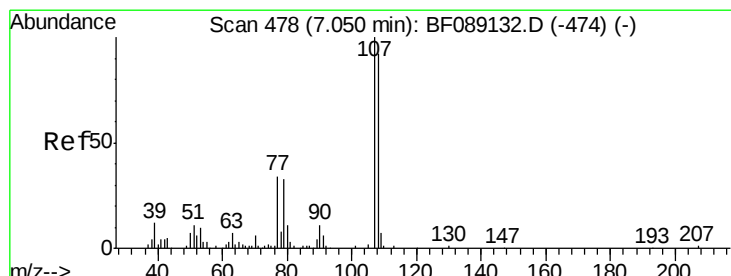
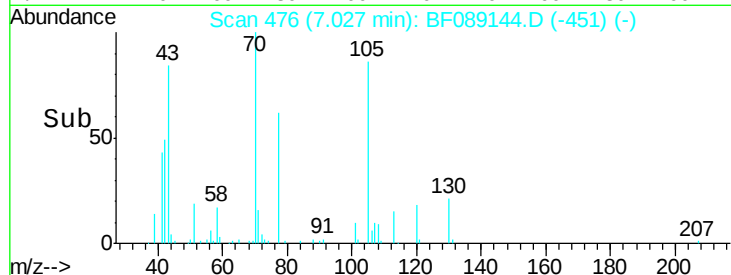
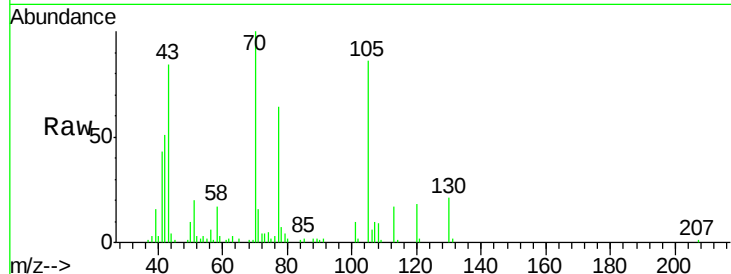
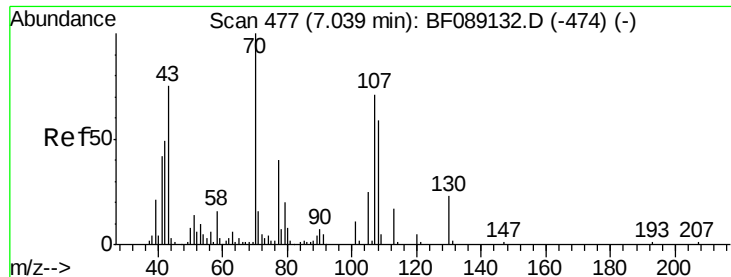
Tgt Ion:107 Resp: 54428
Ion Ratio Lower Upper
107 100
108 113.0 89.4 134.2
77 58.4 53.4 80.0
79 55.9 49.0 73.4



#18
Hexachloroethane
Concen: 14.33 ng
RT: 7.11 min Scan# 483
Delta R.T. 0.00 min
Lab File: BF089144.D
Acq: 20 Jul 2016 21:23

Tgt Ion:117 Resp: 26387
Ion Ratio Lower Upper
117 100
119 95.0 74.5 111.7
201 80.9 51.8 77.6#

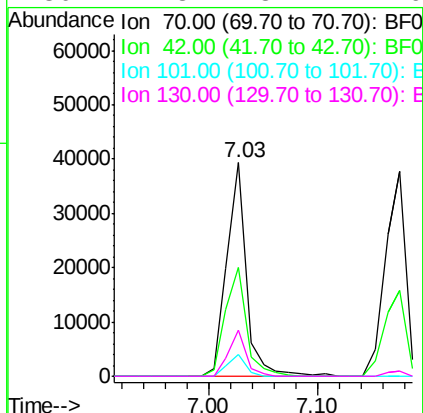




#19
n-Nitroso-di-n-propylamine
Concen: 14.69 ng
RT: 7.03 min Scan# 476
Delta R.T. -0.01 min
Lab File: BF089144.D
Acq: 20 Jul 2016 21:23

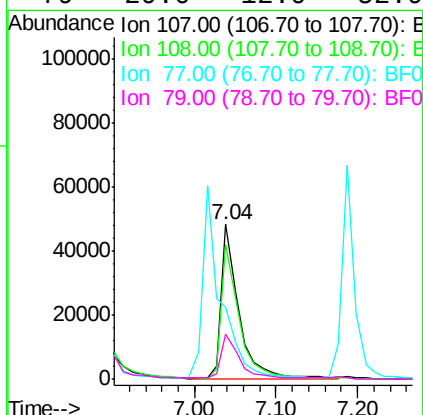
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

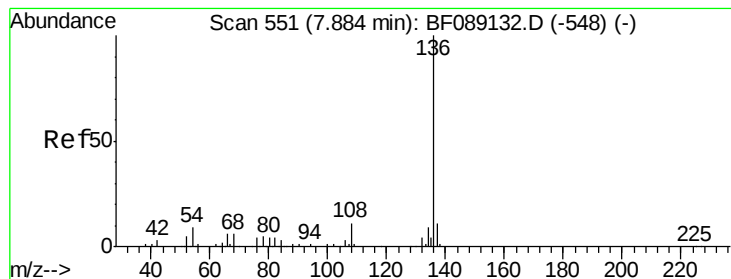
Tgt Ion: 70 Resp: 49170
Ion Ratio Lower Upper
70 100
42 51.1 39.2 58.8
101 10.0 8.5 12.7
130 21.3 18.4 27.6



#20
3+4-Methylphenols
Concen: 15.49 ng
RT: 7.04 min Scan# 477
Delta R.T. -0.01 min
Lab File: BF089144.D
Acq: 20 Jul 2016 21:23

Tgt Ion: 107 Resp: 72960
Ion Ratio Lower Upper
107 100
108 87.0 72.5 112.5
77 46.7 17.7 57.7
79 29.0 12.9 52.9





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.88 min Scan# 551

Delta R.T. 0.00 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

Tgt Ion:136 Resp: 273621

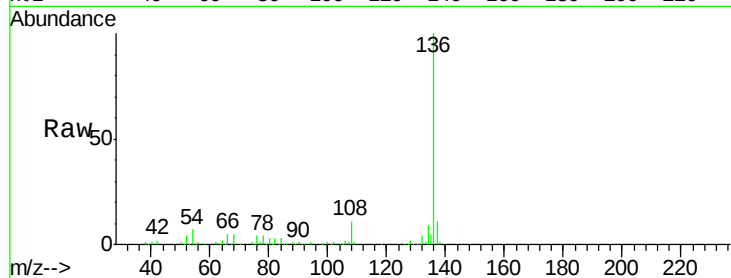
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 6.9 7.0 10.4#

68 5.4 5.0 7.6

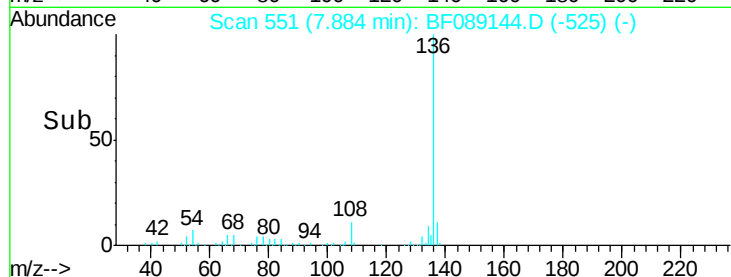


Abundance Ion 136.00 (135.70 to 136.70): E

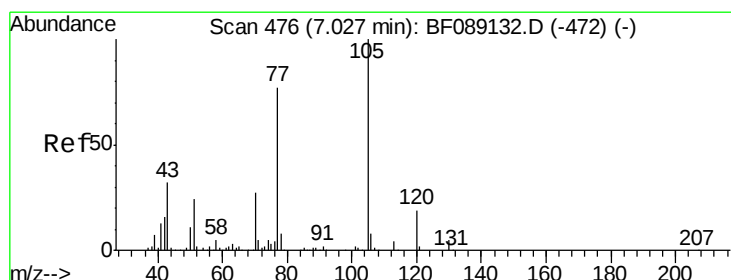
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#22

Acetophenone

Concen: 12.99 ng

RT: 7.02 min Scan# 475

Delta R.T. -0.01 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

Tgt Ion:105 Resp: 94921

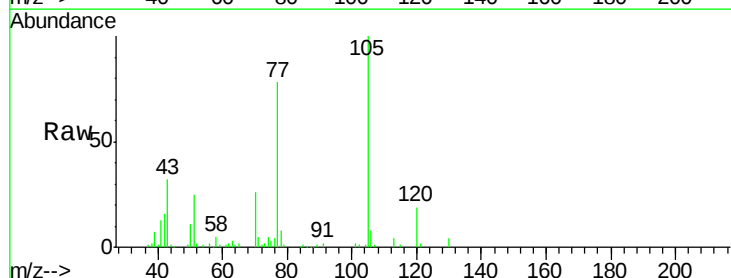
Ion Ratio Lower Upper

105 100

71 4.7 3.8 5.6

51 25.0 19.6 29.4

120 19.1 15.5 23.3

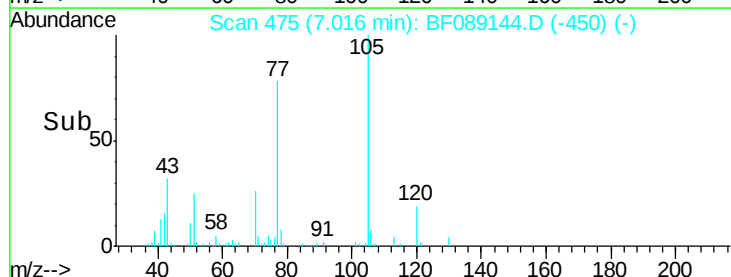


Abundance Ion 105.00 (104.70 to 105.70): E

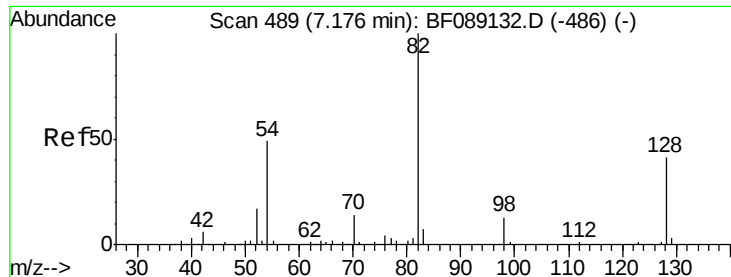
Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



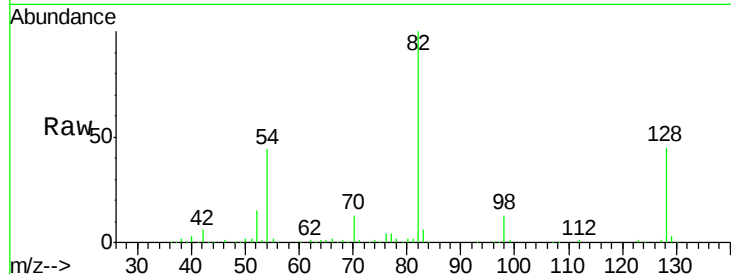
Time-->



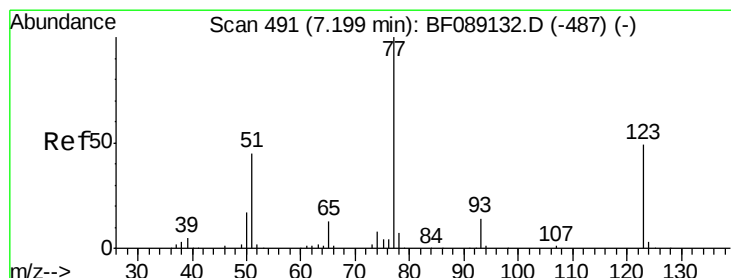
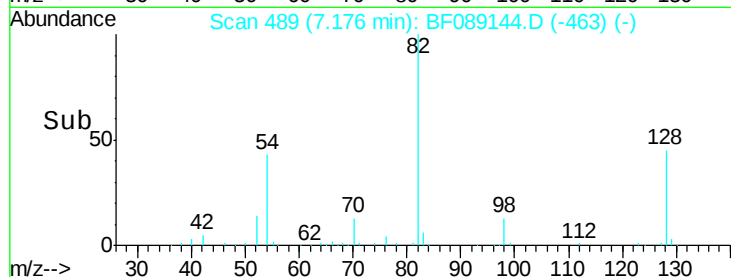
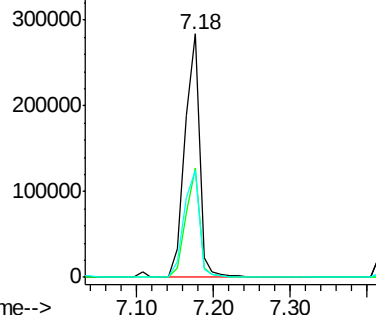
#23
 Nitrobenzene-d5
 Concen: 72.85 ng
 RT: 7.18 min Scan# 489
 Delta R.T. 0.00 min
 Lab File: BF089144.D
 Acq: 20 Jul 2016 21:23

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

Tgt Ion: 82 Resp: 375142
 Ion Ratio Lower Upper
 82 100
 128 44.7 33.0 49.6
 54 43.8 39.0 58.4

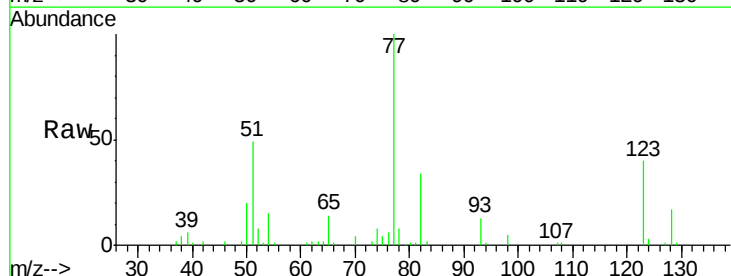


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

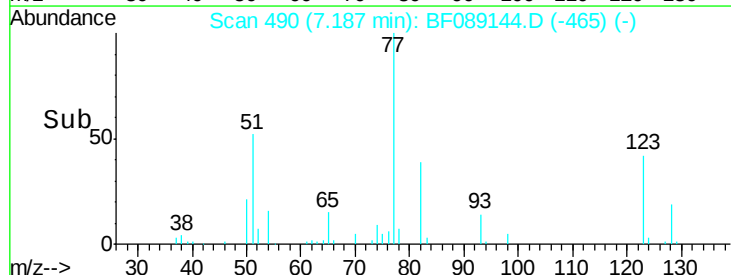
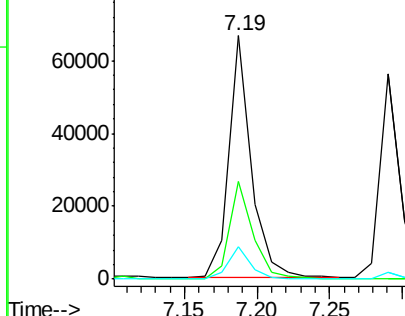


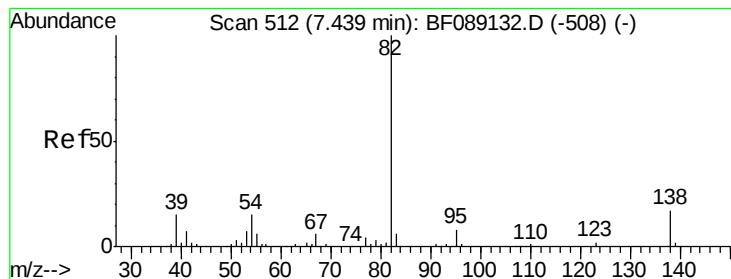
#24
 Nitrobenzene
 Concen: 13.24 ng
 RT: 7.19 min Scan# 490
 Delta R.T. -0.01 min
 Lab File: BF089144.D
 Acq: 20 Jul 2016 21:23

Tgt Ion: 77 Resp: 71905
 Ion Ratio Lower Upper
 77 100
 123 40.3 38.9 58.3
 65 13.6 10.6 15.8



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





#25

Isophorone

Concen: 13.42 ng

RT: 7.43 min Scan# 511

Delta R.T. -0.01 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

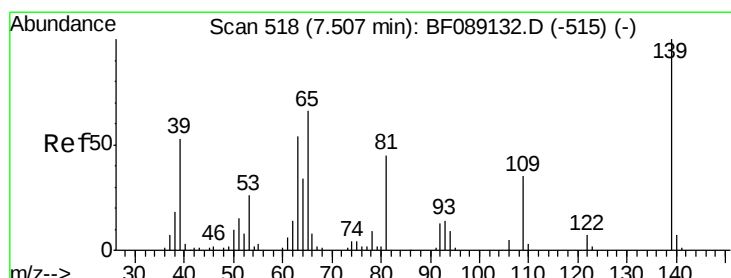
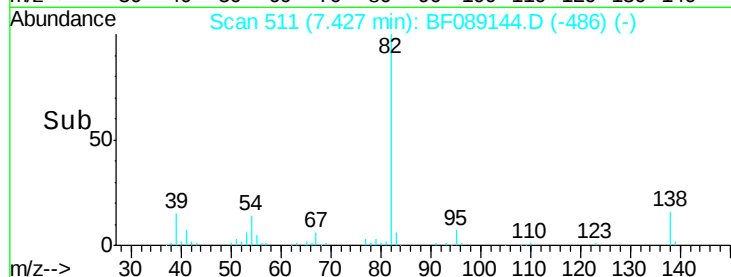
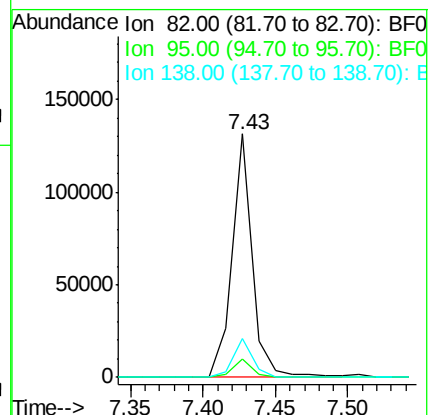
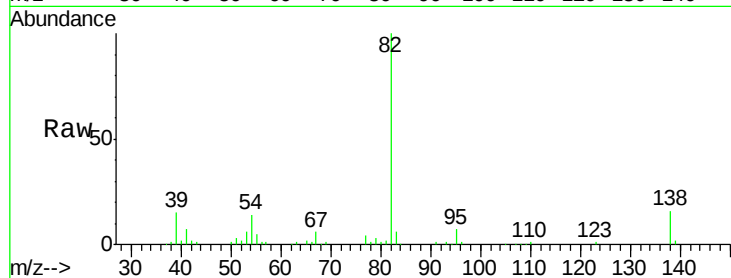
Tgt Ion: 82 Resp: 127392

Ion Ratio Lower Upper

82 100

95 7.5 6.1 9.1

138 15.8 13.6 20.4



#26

2-Nitrophenol

Concen: 13.23 ng

RT: 7.51 min Scan# 518

Delta R.T. 0.00 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

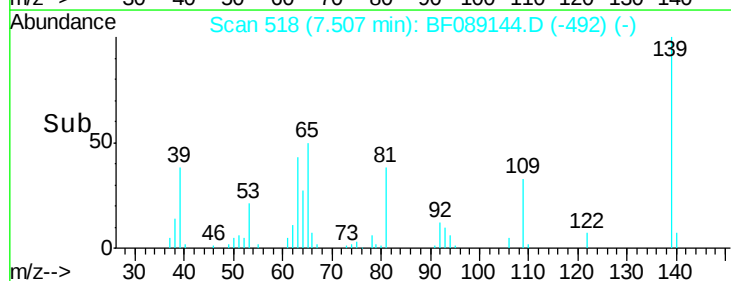
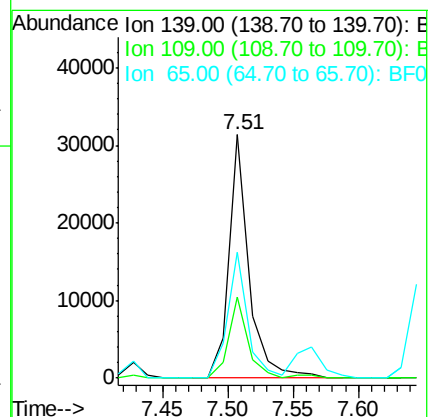
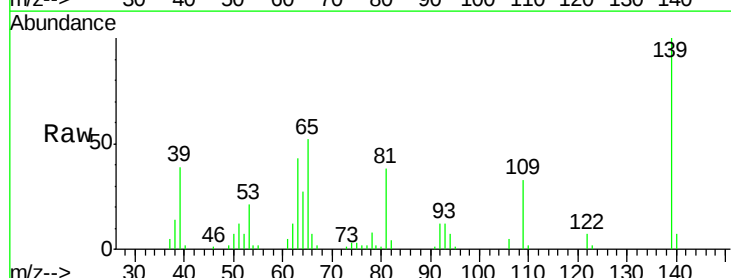
Tgt Ion: 139 Resp: 33513

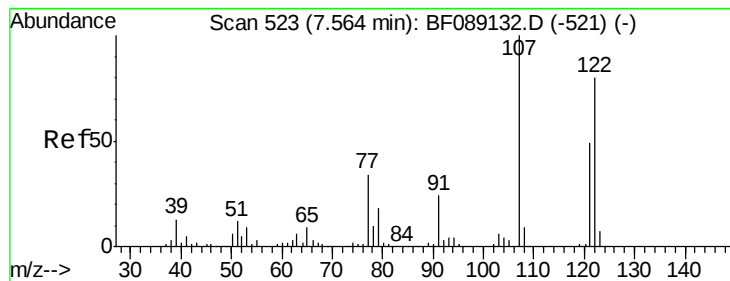
Ion Ratio Lower Upper

139 100

109 33.4 28.1 42.1

65 51.8 52.7 79.1#





#27

2,4-Dimethylphenol

Concen: 12.74 ng

RT: 7.56 min Scan# 523

Delta R.T. 0.00 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

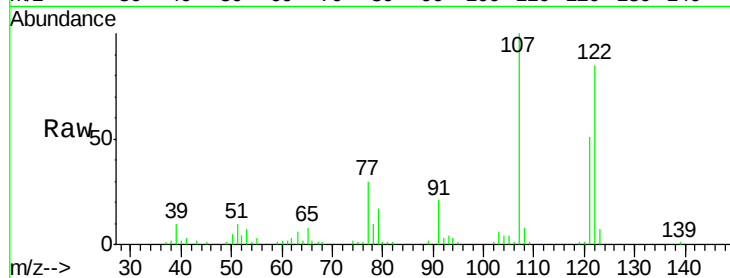
Tgt Ion:122 Resp: 54370

Ion Ratio Lower Upper

122 100

107 117.1 99.7 149.5

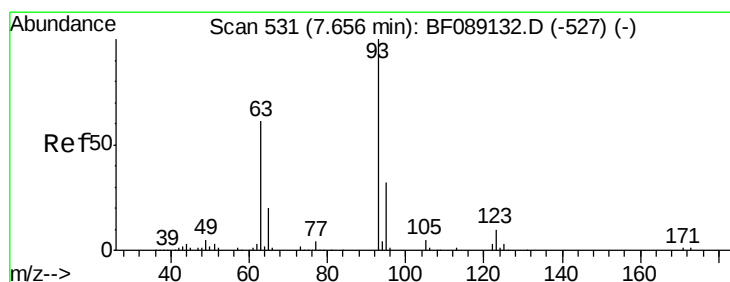
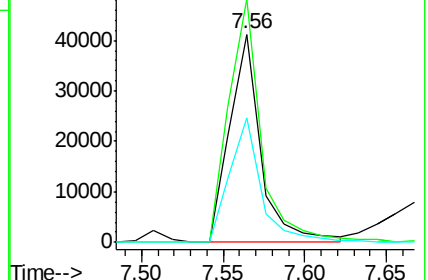
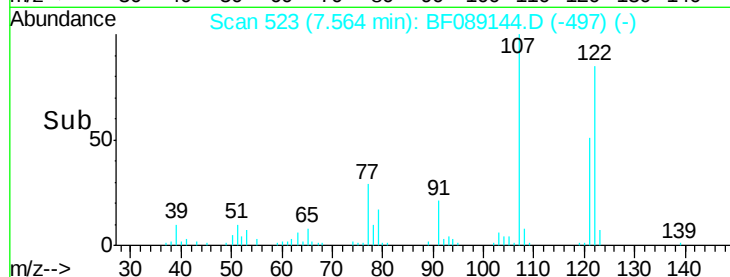
121 59.7 48.5 72.7



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: 12.82 ng

RT: 7.64 min Scan# 530

Delta R.T. -0.01 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

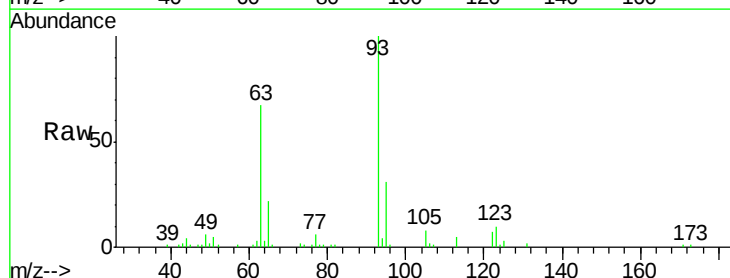
Tgt Ion: 93 Resp: 76106

Ion Ratio Lower Upper

93 100

95 30.8 25.4 38.0

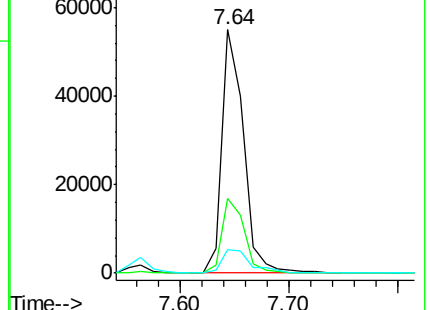
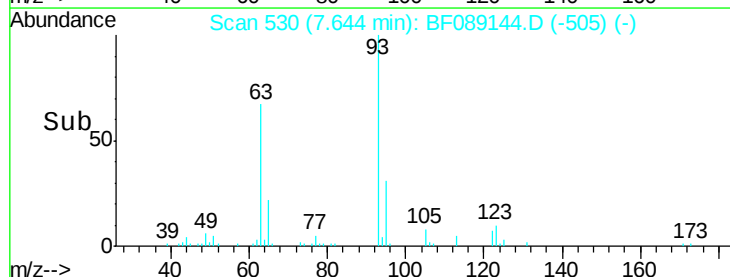
123 9.8 8.3 12.5

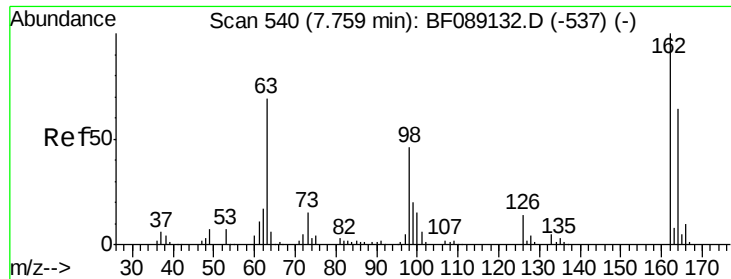


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

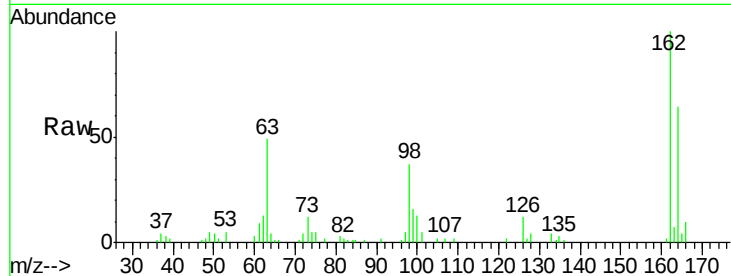




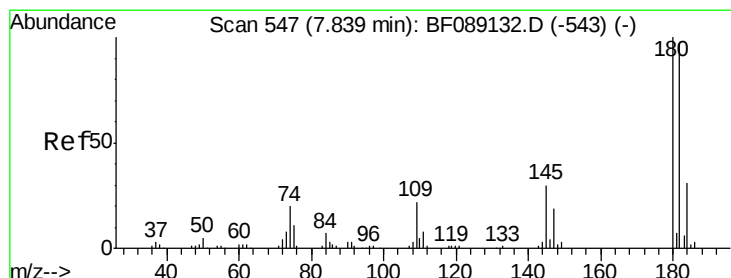
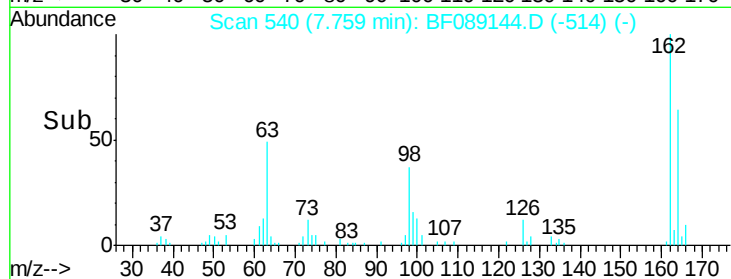
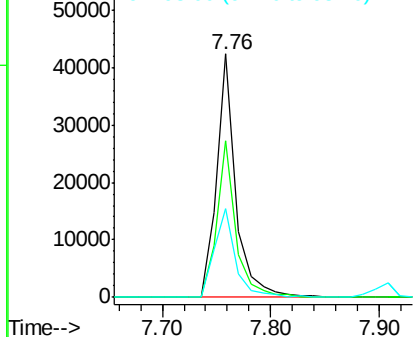
#29
 2,4-Dichlorophenol
 Concen: 13.63 ng
 RT: 7.76 min Scan# 540
 Delta R.T. 0.00 min
 Lab File: BF089144.D
 Acq: 20 Jul 2016 21:23

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

Tgt Ion:162 Resp: 52421
 Ion Ratio Lower Upper
 162 100
 164 64.1 44.0 84.0
 98 36.7 26.0 66.0

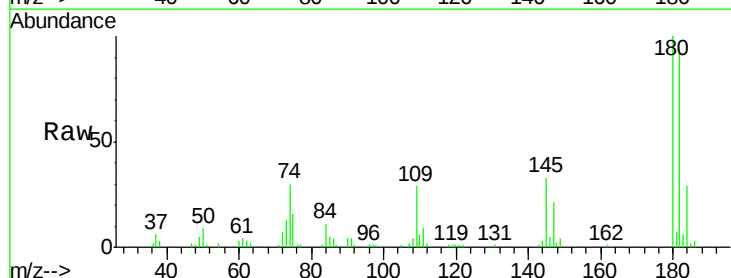


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

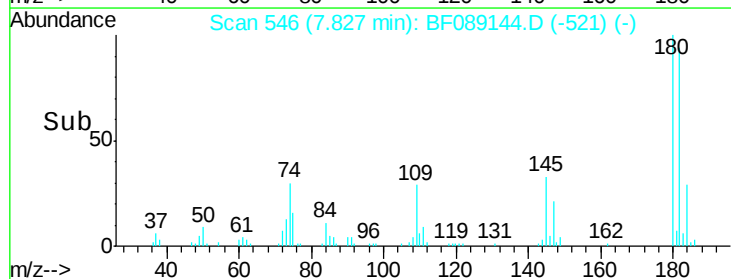
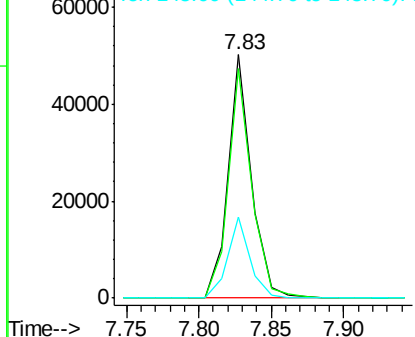


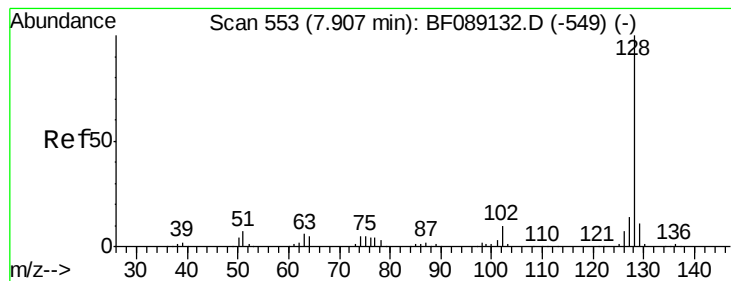
#30
 1,2,4-Trichlorobenzene
 Concen: 13.15 ng
 RT: 7.83 min Scan# 546
 Delta R.T. -0.01 min
 Lab File: BF089144.D
 Acq: 20 Jul 2016 21:23

Tgt Ion:180 Resp: 55978
 Ion Ratio Lower Upper
 180 100
 182 94.4 77.6 116.4
 145 33.1 24.0 36.0



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: 13.35 ng

RT: 7.91 min Scan# 553

Delta R.T. 0.00 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

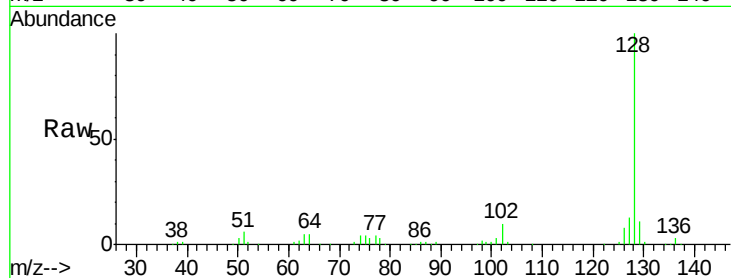
Tgt Ion:128 Resp: 197081

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

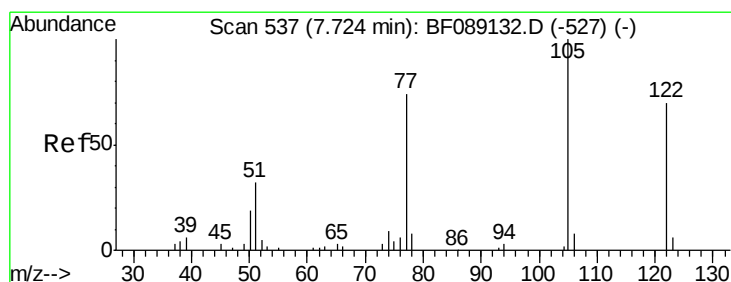
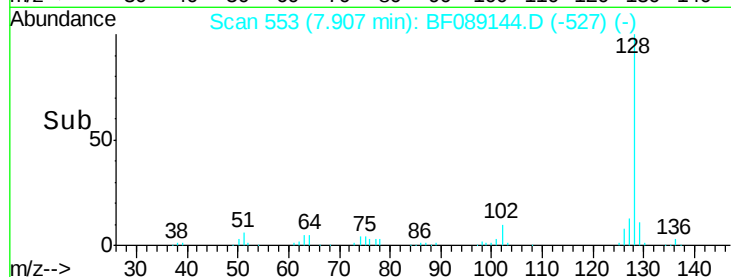
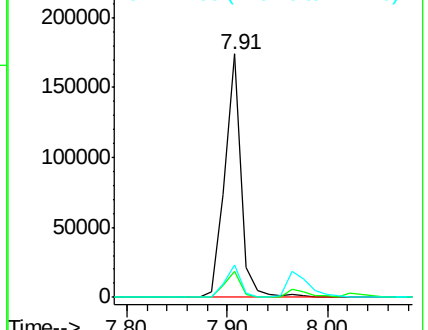
127 13.2 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 8.91 ng

RT: 7.68 min Scan# 533

Delta R.T. -0.05 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

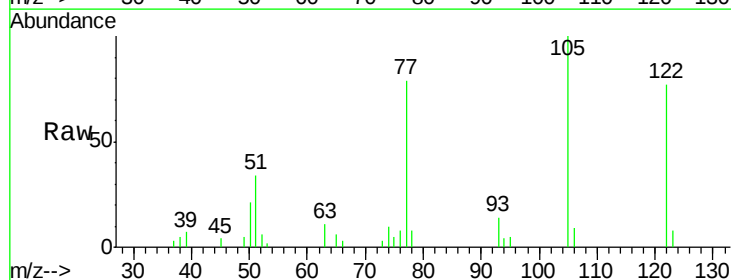
Tgt Ion:122 Resp: 29243

Ion Ratio Lower Upper

122 100

105 130.4 119.0 159.0

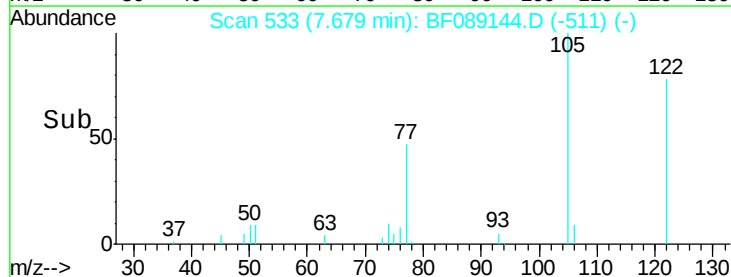
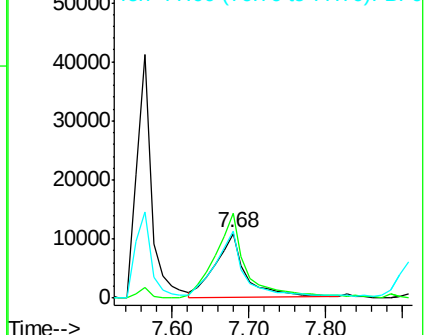
77 102.9 84.7 124.7

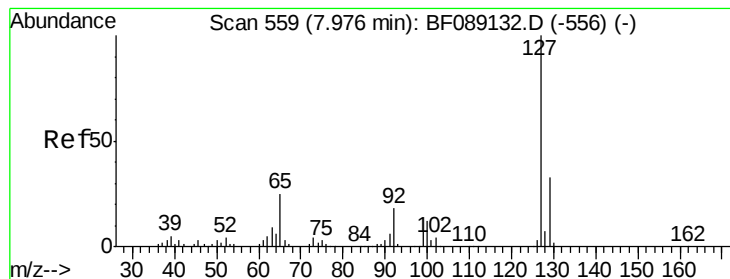


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 4.64 ng

RT: 7.96 min Scan# 558

Delta R.T. -0.01 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

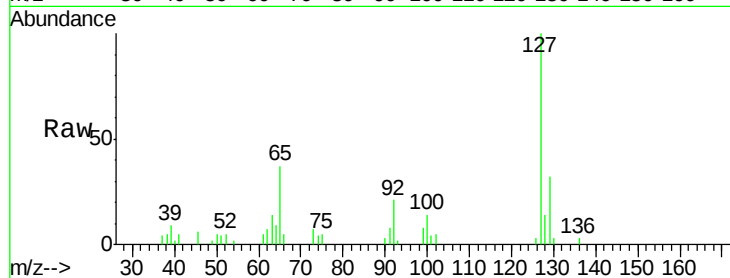
Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

Tgt Ion:	127	Resp:	28804
Ion	Ratio	Lower	Upper
127	100		
129	31.8	25.9	38.9
65	36.6	19.7	29.5
92	20.9	14.3	21.5

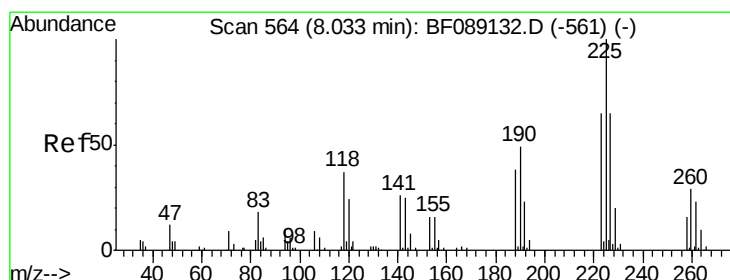
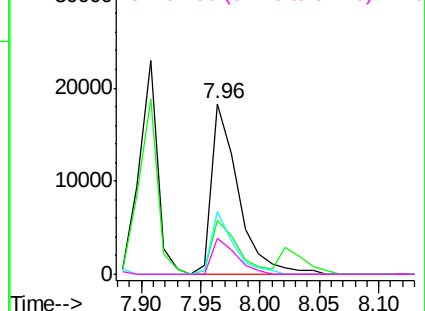
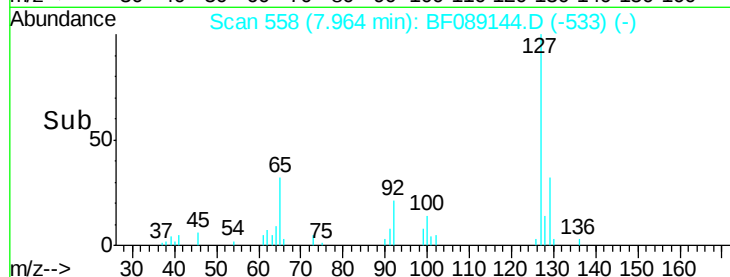


Abundance Ion 127.00 (126.70 to 127.70): E

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: 12.07 ng

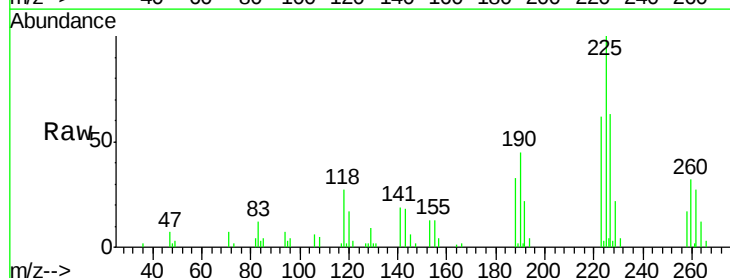
RT: 8.03 min Scan# 564

Delta R.T. 0.00 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

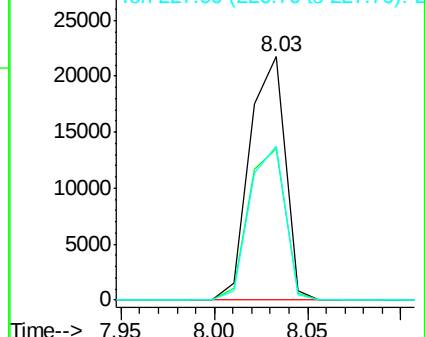
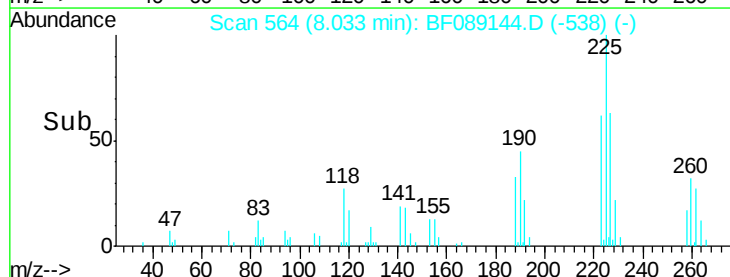
Tgt Ion:	225	Resp:	28613
Ion	Ratio	Lower	Upper
225	100		
223	62.4	51.6	77.4
227	63.5	51.6	77.4

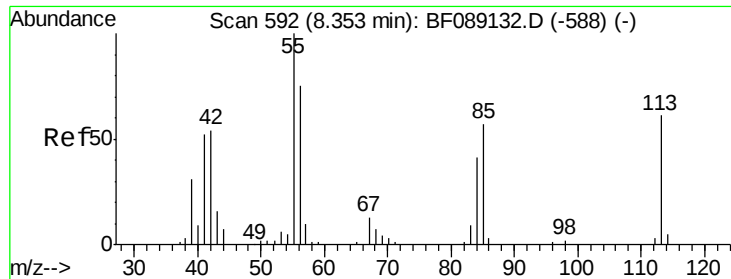


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

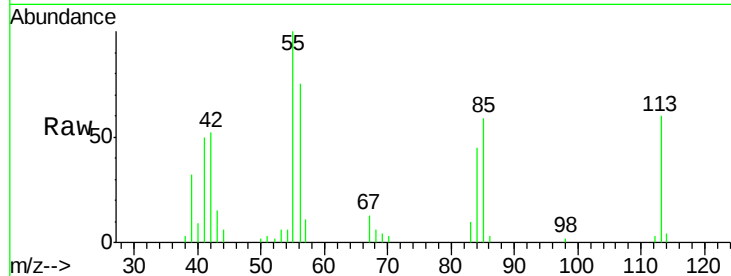




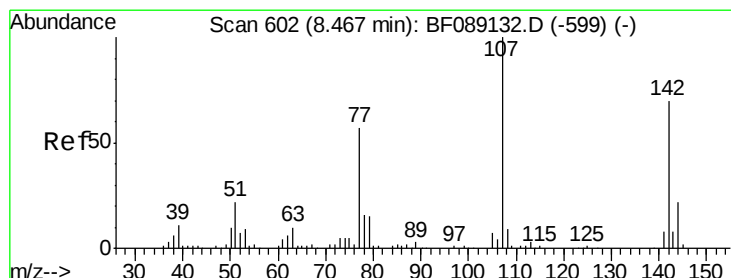
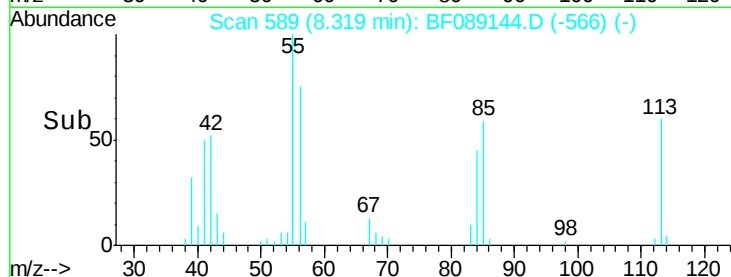
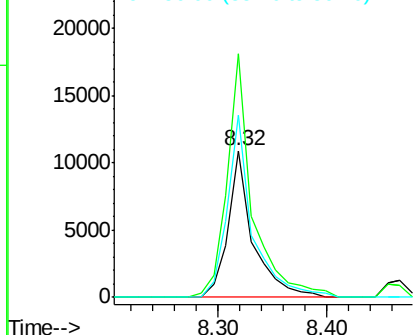
#35
 Caprolactam
 Concen: 14.49 ng
 RT: 8.32 min Scan# 589
 Delta R.T. -0.03 min
 Lab File: BF089144.D
 Acq: 20 Jul 2016 21:23

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

Tgt Ion:113 Resp: 17306
 Ion Ratio Lower Upper
 113 100
 55 165.8 145.3 185.3
 56 123.9 104.3 144.3

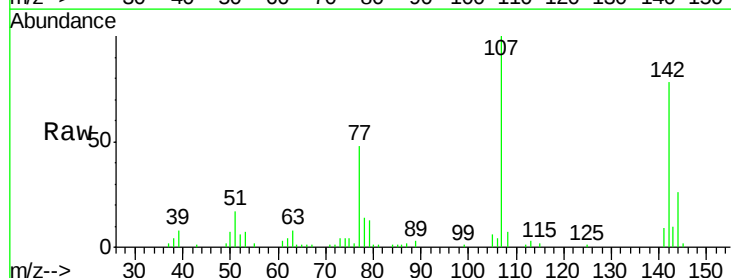


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

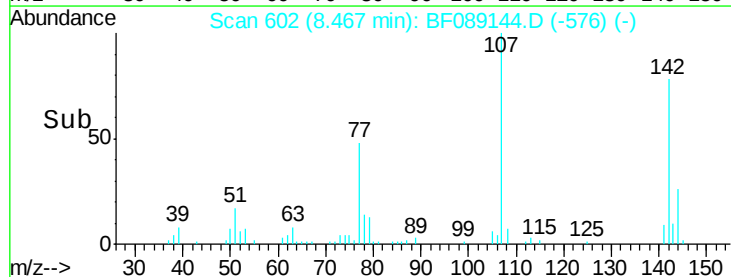
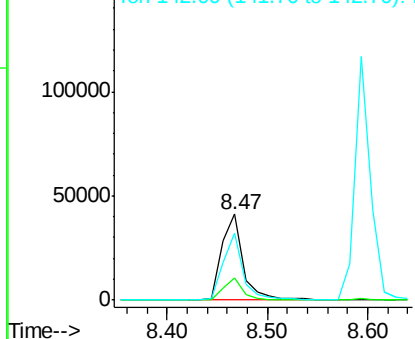


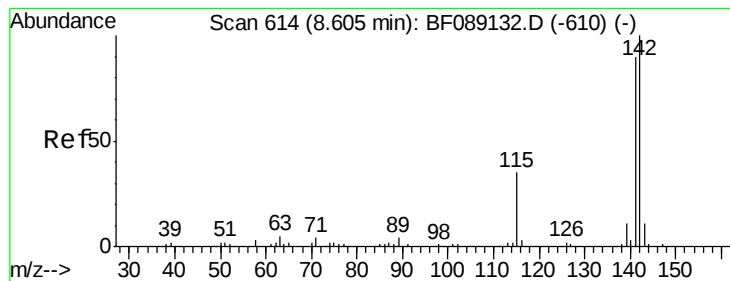
#36
 4-Chloro-3-methylphenol
 Concen: 13.04 ng
 RT: 8.47 min Scan# 602
 Delta R.T. 0.00 min
 Lab File: BF089144.D
 Acq: 20 Jul 2016 21:23

Tgt Ion:107 Resp: 60449
 Ion Ratio Lower Upper
 107 100
 144 26.1 17.8 26.6
 142 77.6 56.1 84.1



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: 13.49 ng

RT: 8.59 min Scan# 613

Delta R.T. -0.01 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

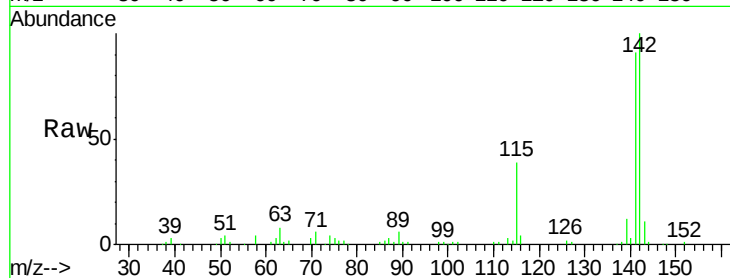
Tgt Ion:142 Resp: 127076

Ion Ratio Lower Upper

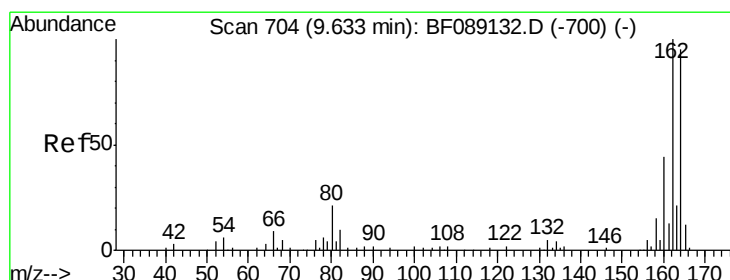
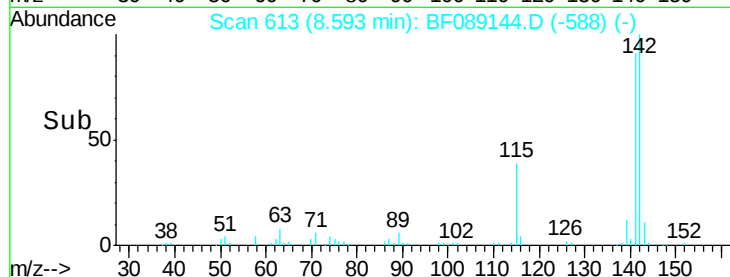
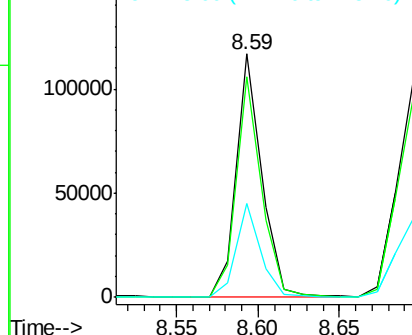
142 100

141 90.7 71.6 107.4

115 38.7 27.6 41.4



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.63 min Scan# 704

Delta R.T. 0.00 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

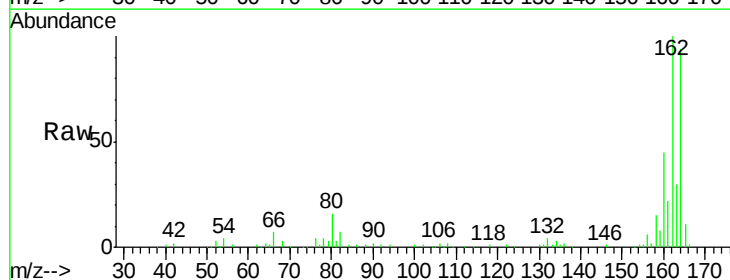
Tgt Ion:164 Resp: 134842

Ion Ratio Lower Upper

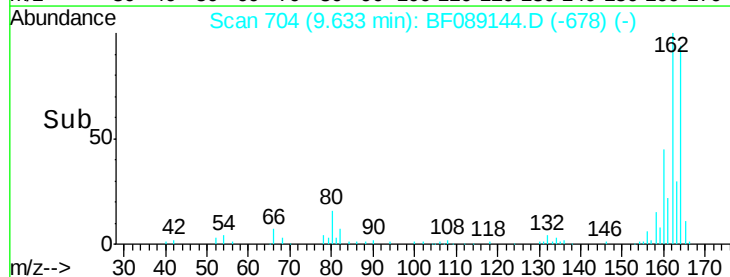
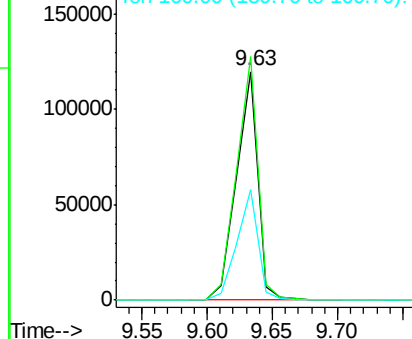
164 100

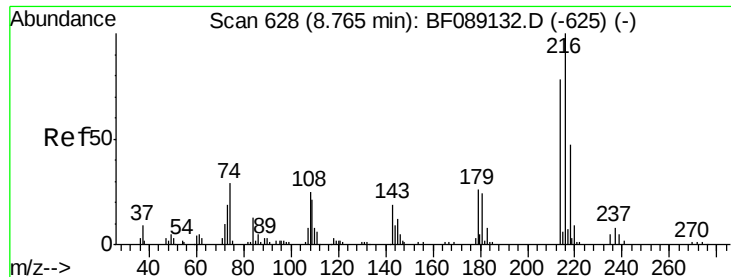
162 106.6 84.1 126.1

160 48.1 37.1 55.7



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





#39

1,2,4,5-Tetrachlorobenzene

Concen: 11.34 ng

RT: 8.76 min Scan# 628

Delta R.T. 0.00 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

Tgt Ion:216 Resp: 56836

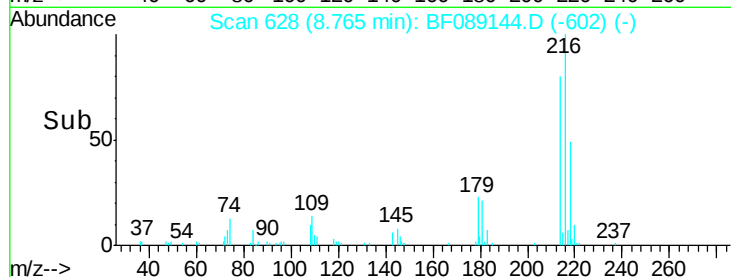
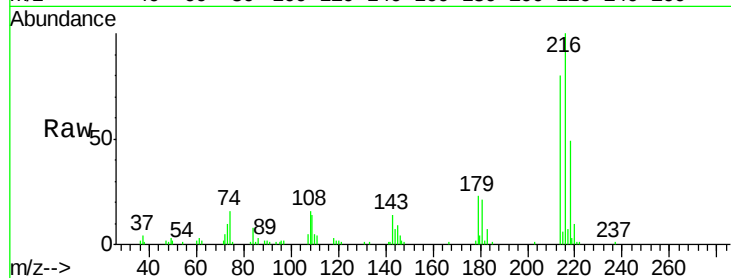
Ion Ratio Lower Upper

216 100

214 78.8 61.9 92.9

179 23.4 18.4 27.6

108 19.1 17.0 25.6

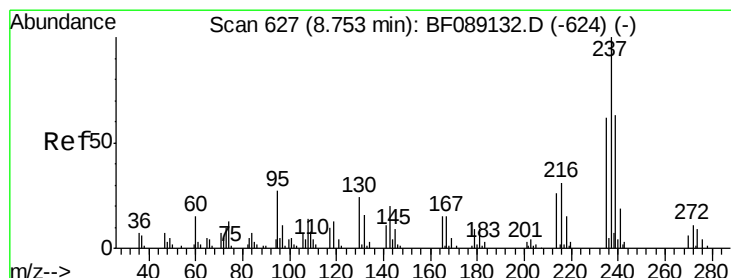
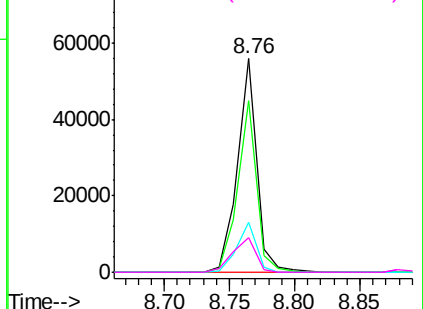


Abundance Ion 216.00 (215.70 to 216.70): E

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: 15.49 ng

RT: 8.75 min Scan# 627

Delta R.T. 0.00 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

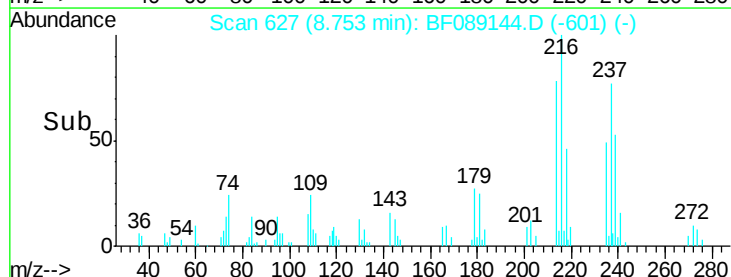
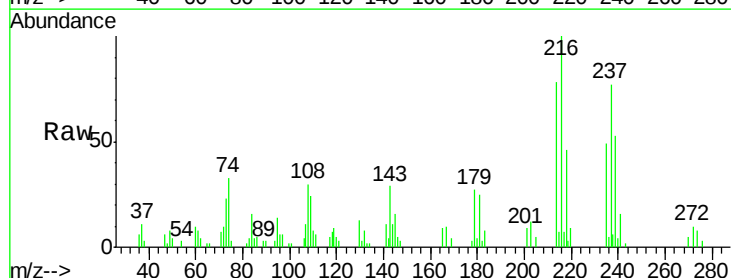
Tgt Ion:237 Resp: 13200

Ion Ratio Lower Upper

237 100

235 63.4 42.1 82.1

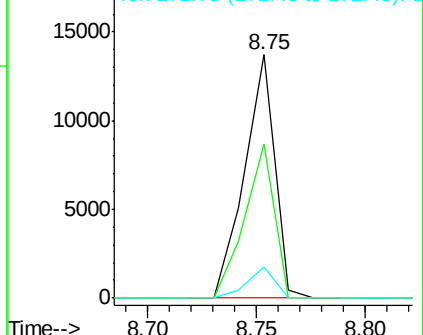
272 13.0 0.0 31.4

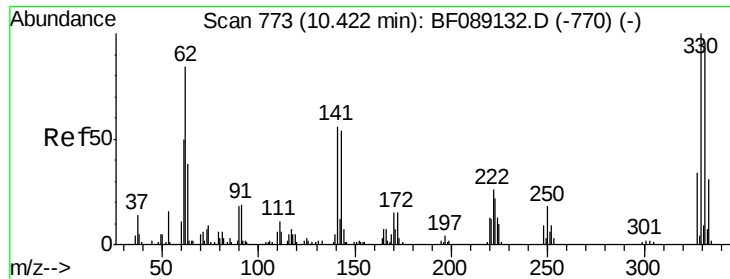


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

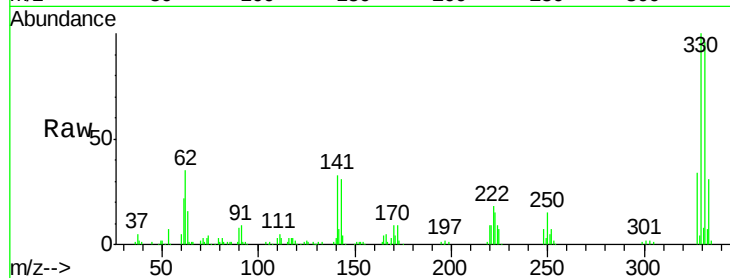




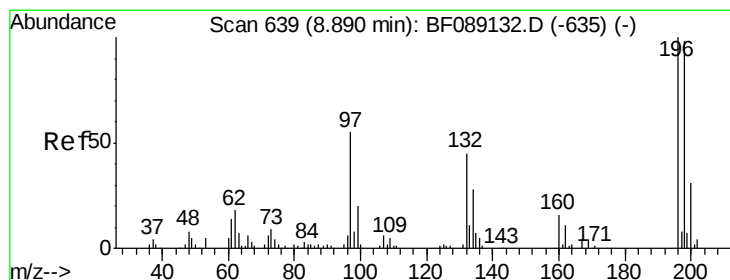
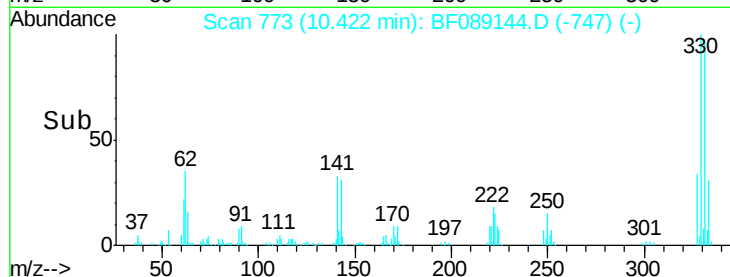
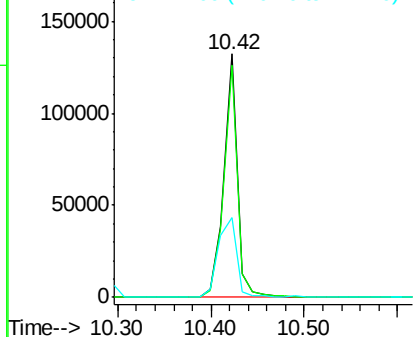
#41
 2,4,6-Tribromophenol
 Concen: 110.00 ng
 RT: 10.42 min Scan# 773
 Delta R.T. 0.00 min
 Lab File: BF089144.D
 Acq: 20 Jul 2016 21:23

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

Tgt Ion:330 Resp: 133545
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.2 115.8
 141 45.4 42.2 63.2

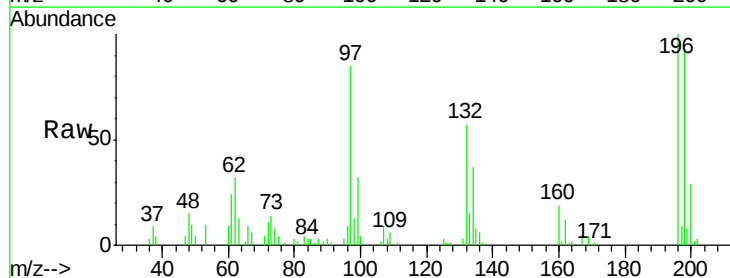


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

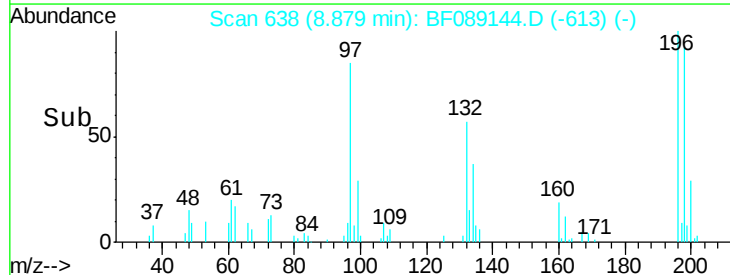
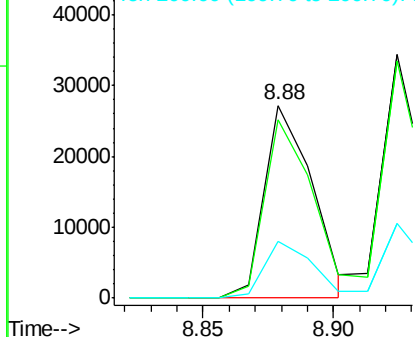


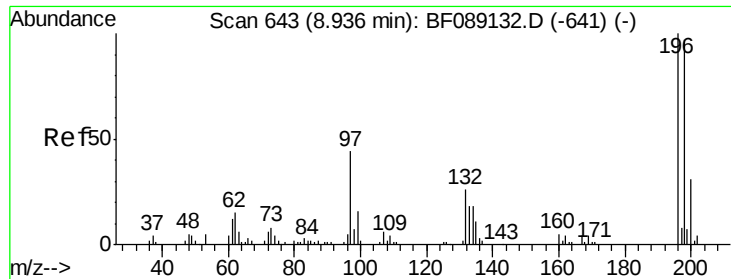
#42
 2,4,6-Trichlorophenol
 Concen: 12.52 ng
 RT: 8.88 min Scan# 638
 Delta R.T. -0.01 min
 Lab File: BF089144.D
 Acq: 20 Jul 2016 21:23

Tgt Ion:196 Resp: 35125
 Ion Ratio Lower Upper
 196 100
 198 92.3 78.3 117.5
 200 29.4 25.0 37.4



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

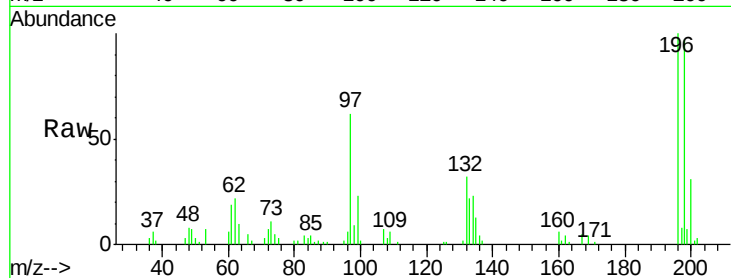




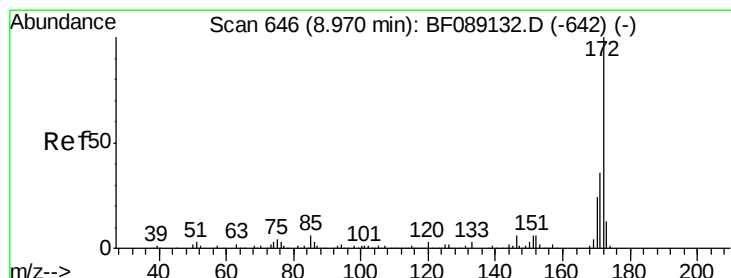
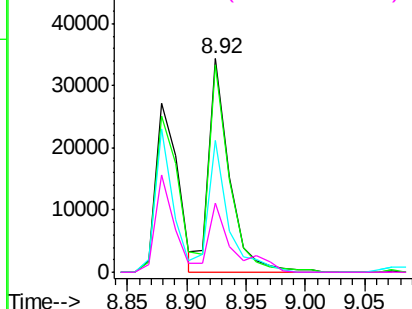
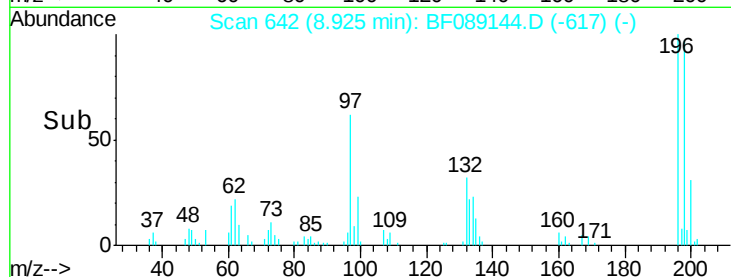
#43
 2,4,5-Trichlorophenol
 Concen: 14.94 ng
 RT: 8.92 min Scan# 642
 Delta R.T. -0.01 min
 Lab File: BF089144.D
 Acq: 20 Jul 2016 21:23

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

Tgt Ion:196 Resp: 42057
 Ion Ratio Lower Upper
 196 100
 198 97.3 77.6 116.4
 97 61.6 36.5 54.7#
 132 32.3 21.2 31.8#

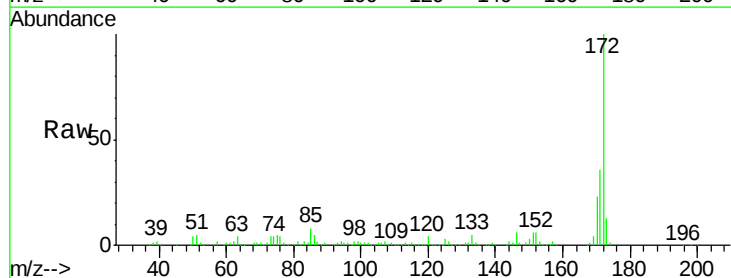


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

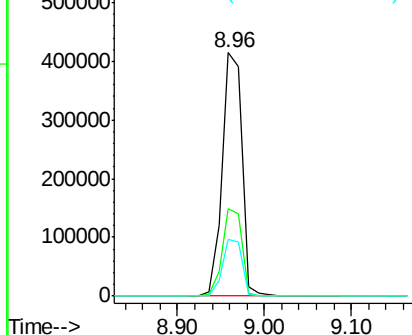
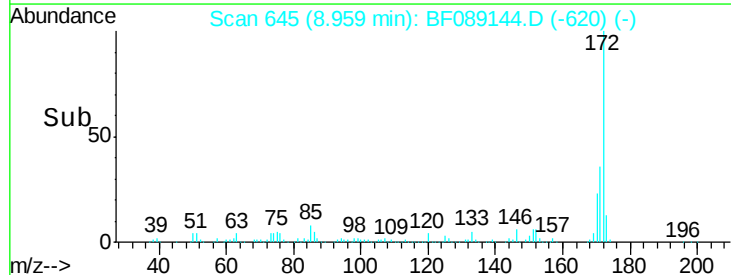


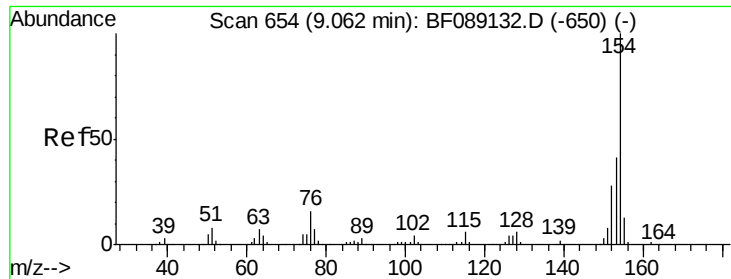
#44
 2-Fluorobiphenyl
 Concen: 67.51 ng
 RT: 8.96 min Scan# 645
 Delta R.T. -0.01 min
 Lab File: BF089144.D
 Acq: 20 Jul 2016 21:23

Tgt Ion:172 Resp: 660646
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.2 43.8
 170 23.3 19.1 28.7



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: 13.29 ng

RT: 9.06 min Scan# 654

Delta R.T. 0.00 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

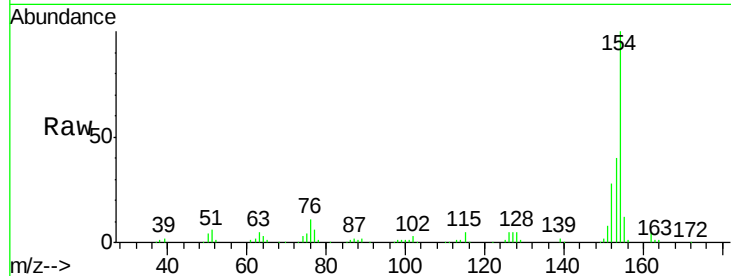
Tgt Ion:154 Resp: 161338

Ion Ratio Lower Upper

154 100

153 40.5 21.1 61.1

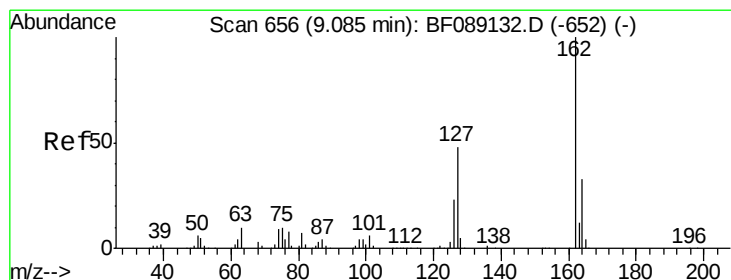
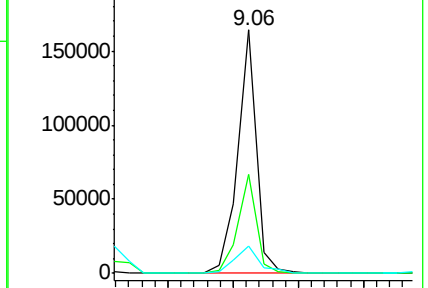
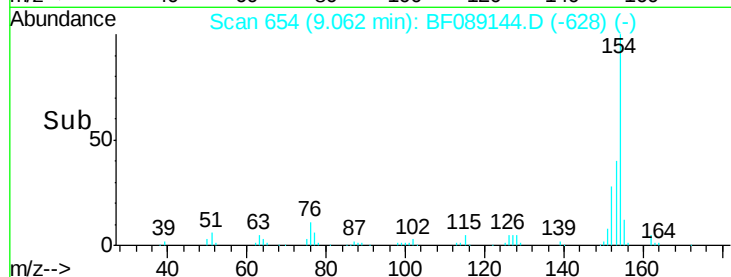
76 11.2 0.0 35.8



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: 13.11 ng

RT: 9.08 min Scan# 656

Delta R.T. 0.00 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

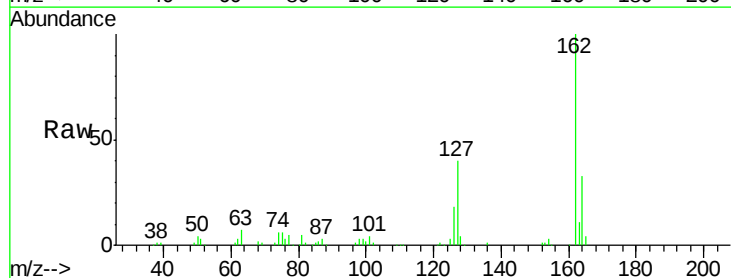
Tgt Ion:162 Resp: 120969

Ion Ratio Lower Upper

162 100

127 39.7 38.1 57.1

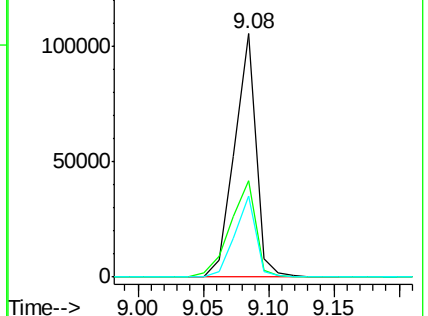
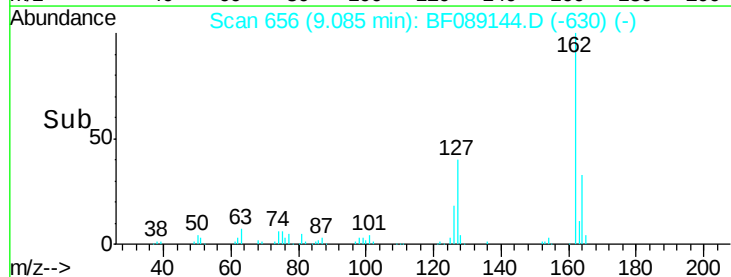
164 33.2 26.1 39.1

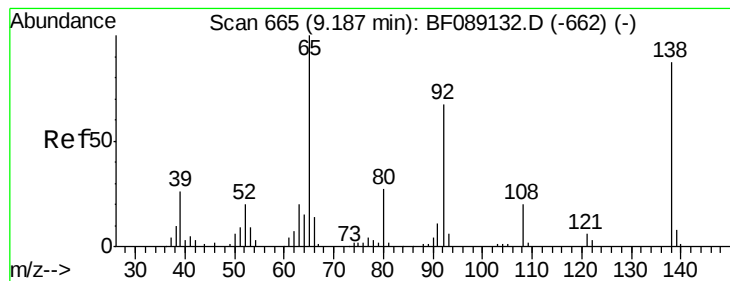


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 12.20 ng

RT: 9.19 min Scan# 665

Delta R.T. 0.00 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

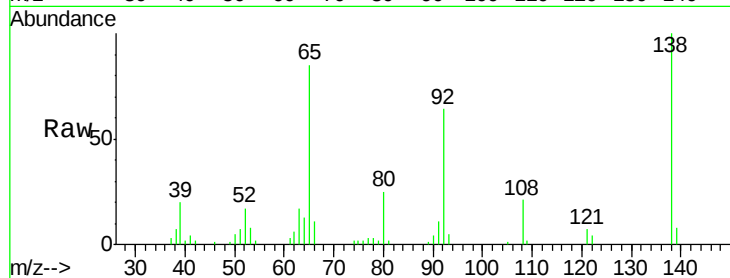
Tgt Ion: 65 Resp: 38611

Ion Ratio Lower Upper

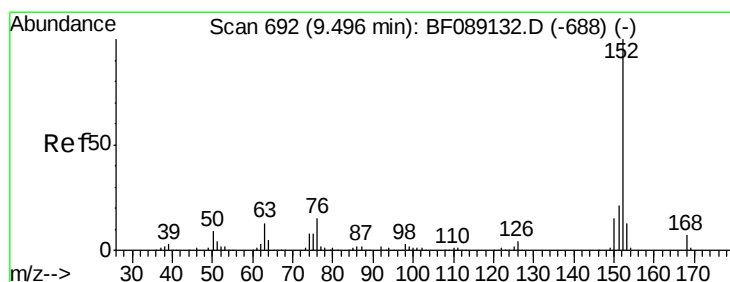
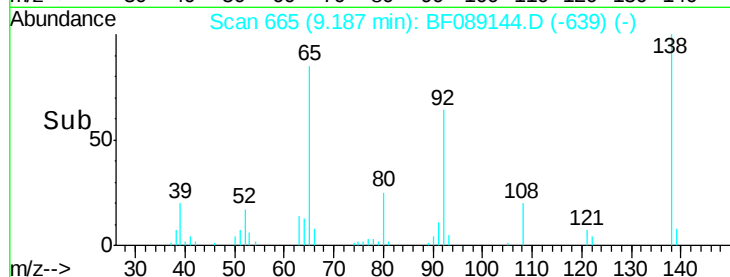
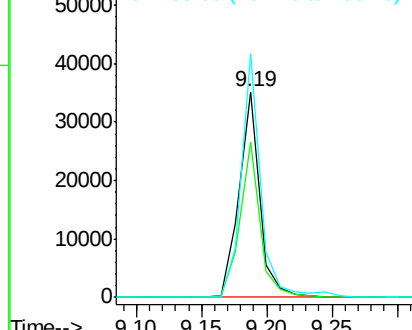
65 100

92 75.4 53.2 79.8

138 118.3 69.4 104.2#



Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): E



#48

Acenaphthylene

Concen: 12.92 ng

RT: 9.48 min Scan# 691

Delta R.T. -0.01 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

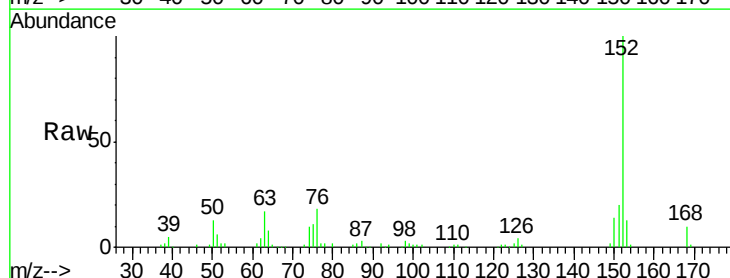
Tgt Ion: 152 Resp: 187455

Ion Ratio Lower Upper

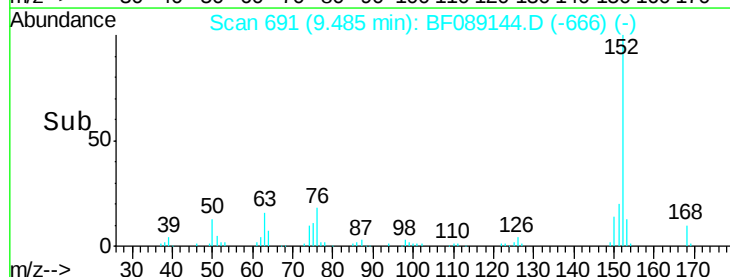
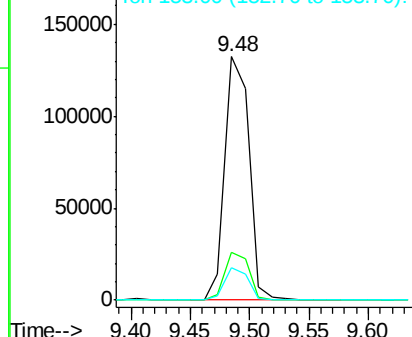
152 100

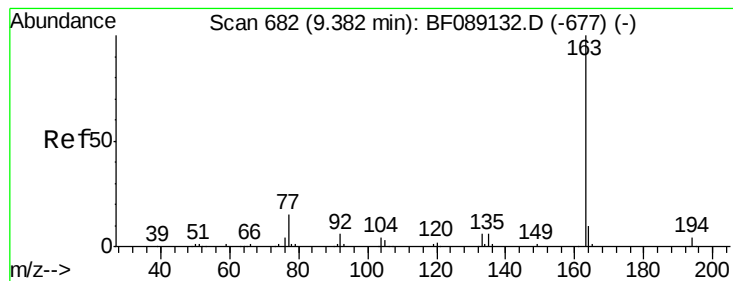
151 19.9 16.5 24.7

153 13.1 10.7 16.1



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





#49

Dimethylphthalate

Concen: 13.97 ng

RT: 9.37 min Scan# 681

Delta R.T. -0.01 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

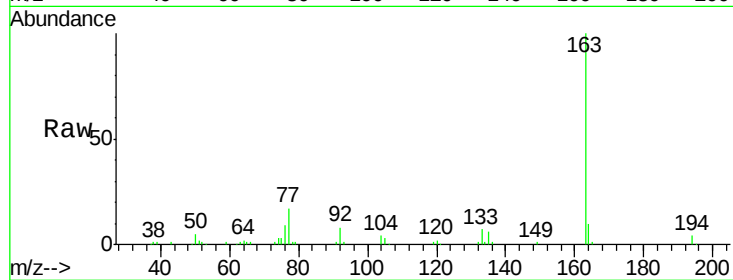
Tgt Ion:163 Resp: 144548

Ion Ratio Lower Upper

163 100

194 3.7 2.9 4.3

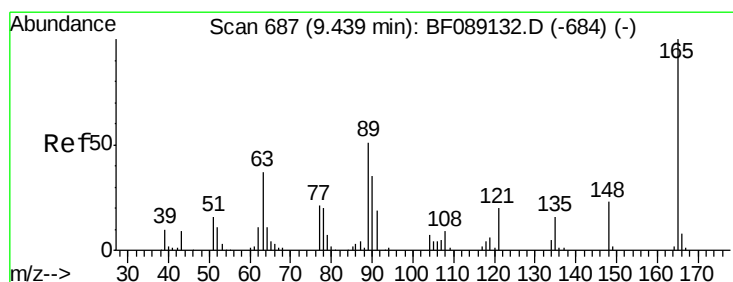
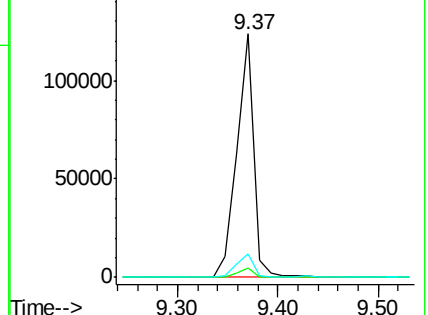
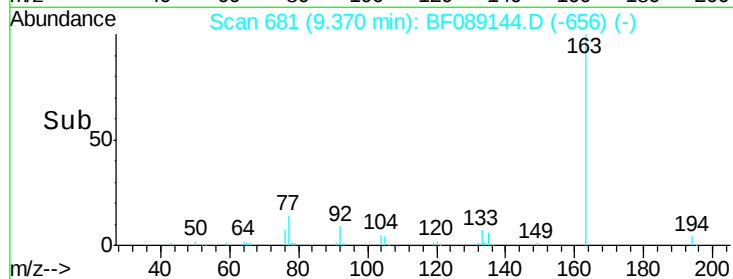
164 9.9 7.6 11.4



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: 13.87 ng

RT: 9.43 min Scan# 686

Delta R.T. -0.01 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

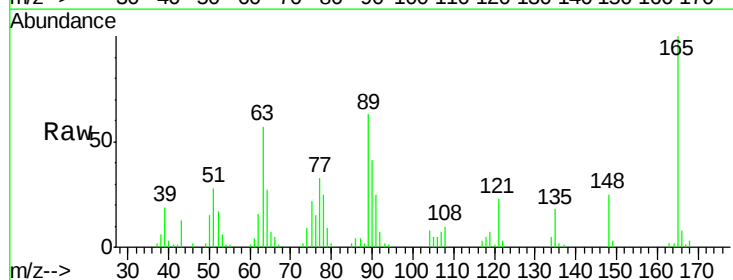
Tgt Ion:165 Resp: 32409

Ion Ratio Lower Upper

165 100

63 57.2 37.0 55.4#

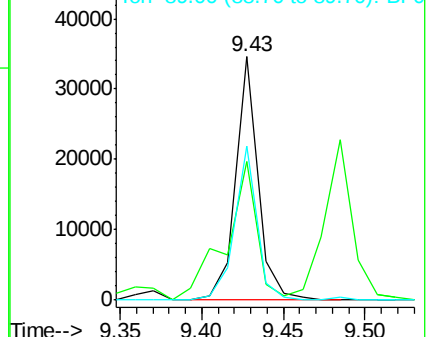
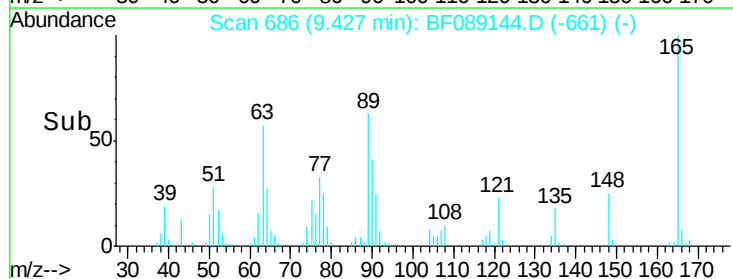
89 63.4 40.9 61.3#

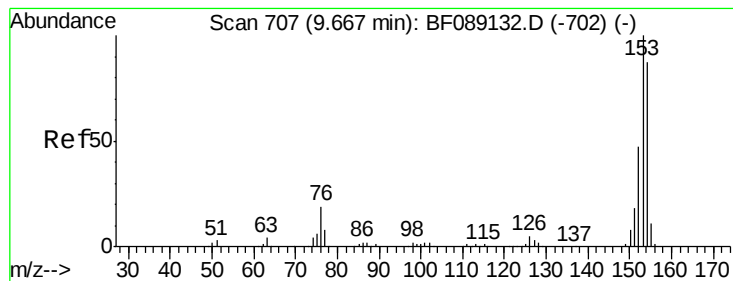


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 12.58 ng

RT: 9.66 min Scan# 706

Delta R.T. -0.01 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

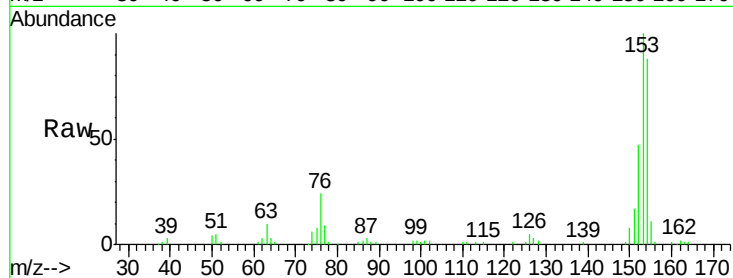
Tgt Ion:154 Resp: 107972

Ion Ratio Lower Upper

154 100

153 114.0 91.9 137.9

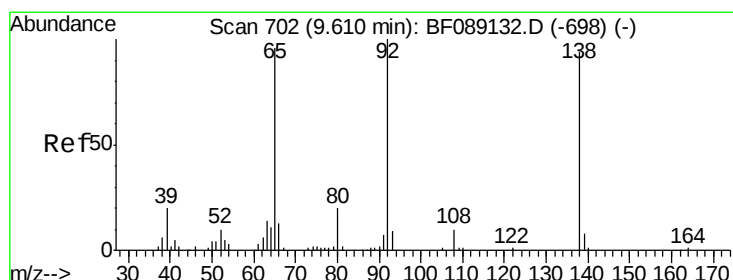
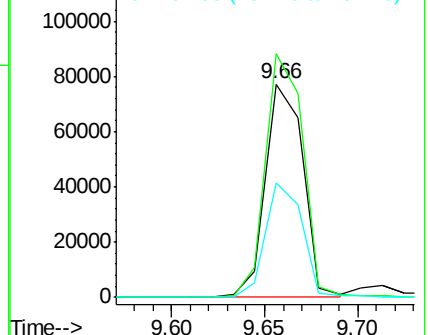
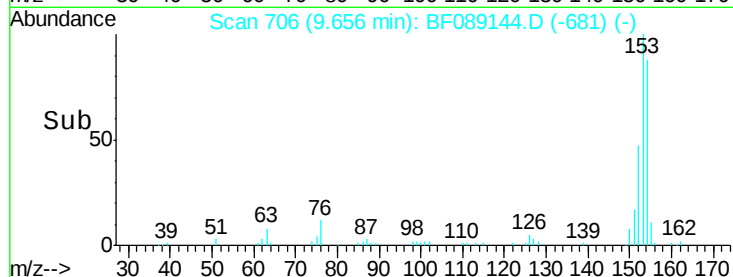
152 53.5 42.8 64.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 6.60 ng

RT: 9.60 min Scan# 701

Delta R.T. -0.01 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

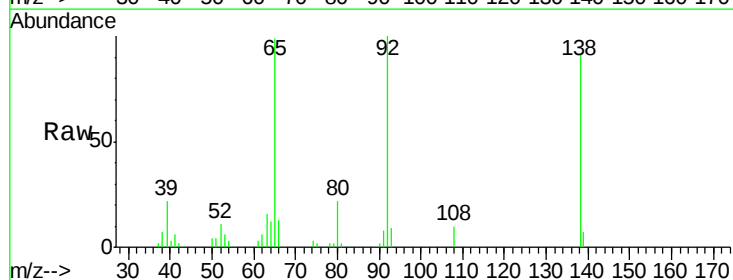
Tgt Ion:138 Resp: 18320

Ion Ratio Lower Upper

138 100

108 11.2 8.8 13.2

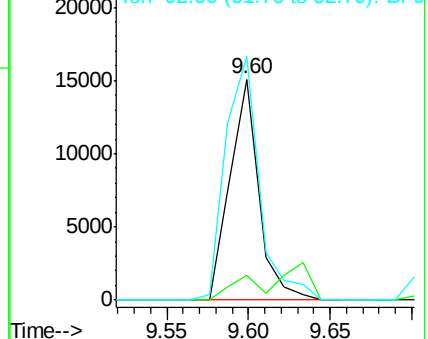
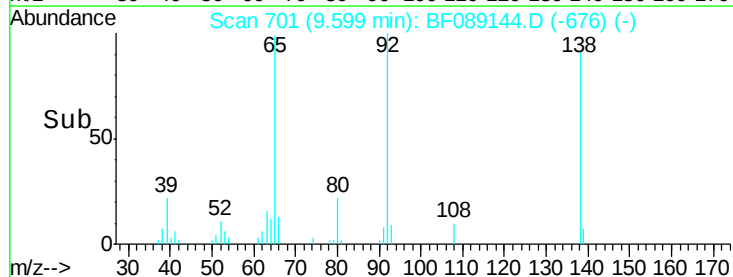
92 110.1 85.3 127.9

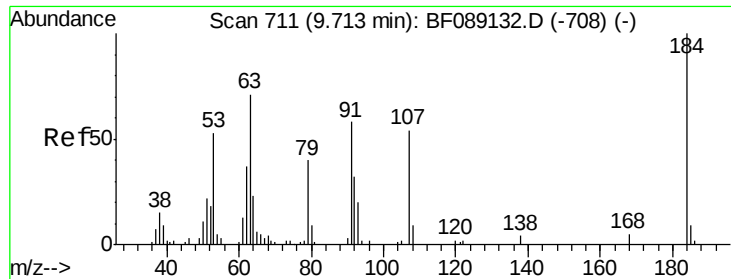


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

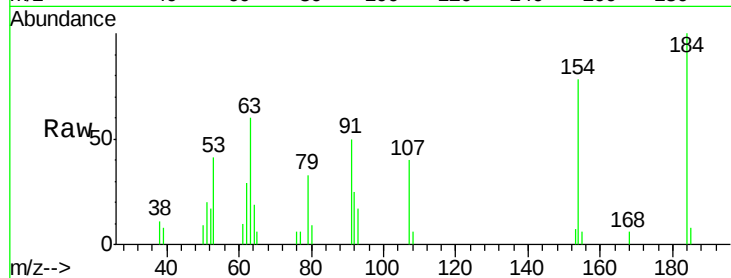




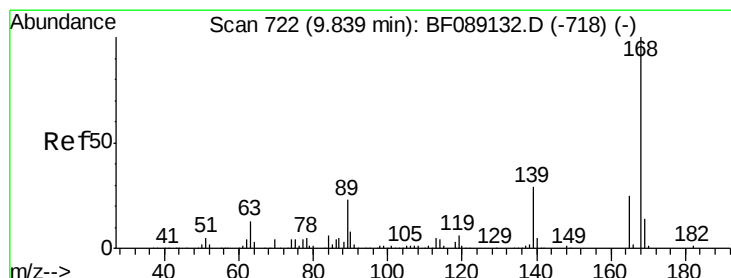
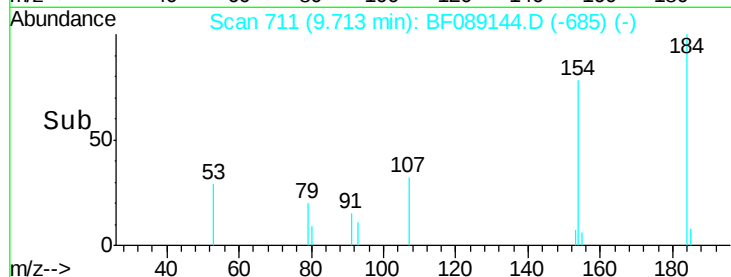
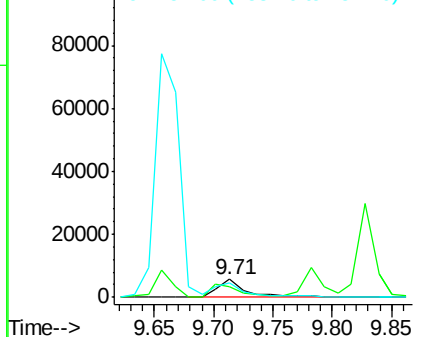
#53
2,4-Dinitrophenol
Concen: 15.72 ng
RT: 9.71 min Scan# 711
Delta R.T. 0.00 min
Lab File: BF089144.D
Acq: 20 Jul 2016 21:23

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:184 Resp: 9589
Ion Ratio Lower Upper
184 100
63 59.8 60.3 90.5#
154 78.3 60.7 91.1

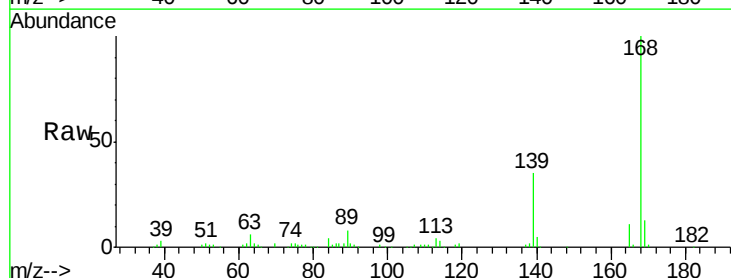


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

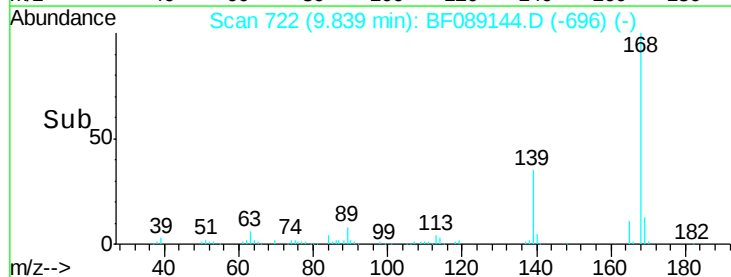
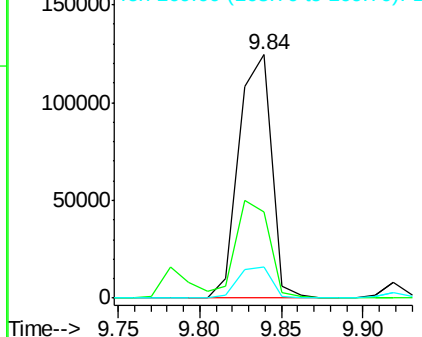


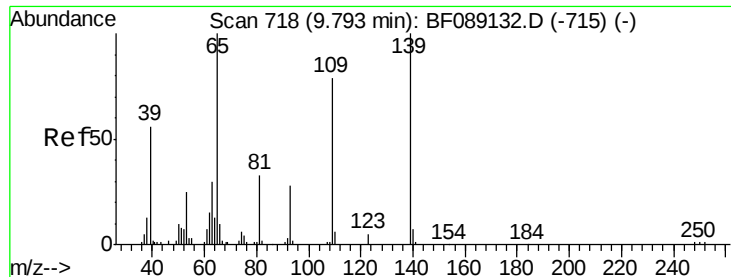
#54
Dibenzofuran
Concen: 14.82 ng
RT: 9.84 min Scan# 722
Delta R.T. 0.00 min
Lab File: BF089144.D
Acq: 20 Jul 2016 21:23

Tgt Ion:168 Resp: 171903
Ion Ratio Lower Upper
168 100
139 35.4 34.4 51.6
169 12.7 10.8 16.2



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

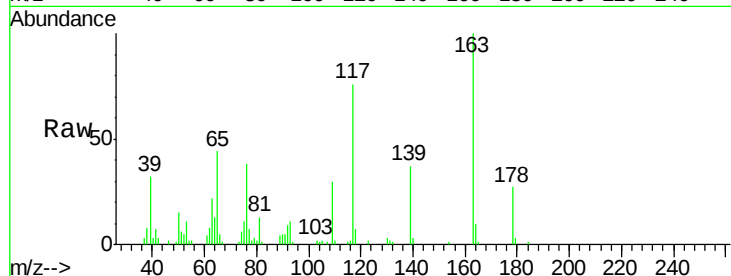




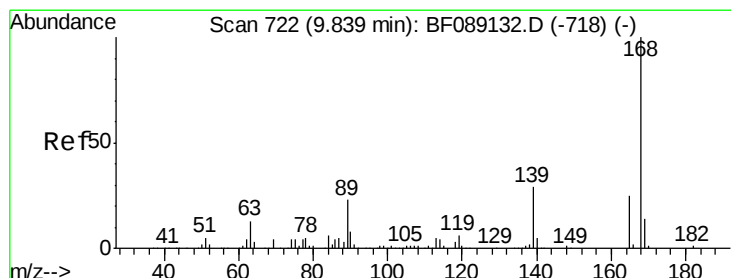
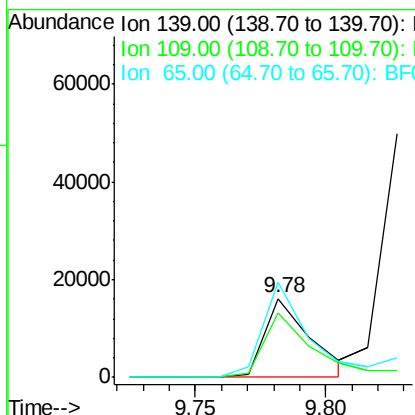
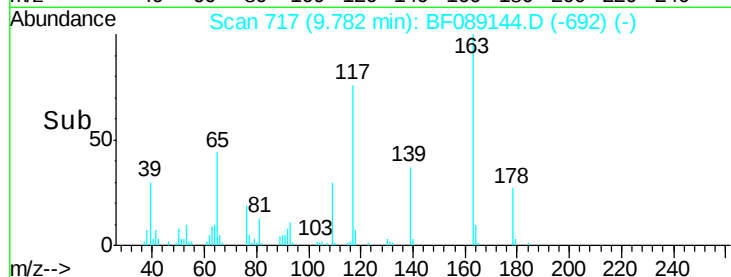
#55
4-Nitrophenol
Concen: 11.61 ng
RT: 9.78 min Scan# 717
Delta R.T. -0.01 min
Lab File: BF089144.D
Acq: 20 Jul 2016 21:23

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:139 Resp: 19484
Ion Ratio Lower Upper
139 100
109 81.4 58.7 98.7
65 120.1 80.2 120.2

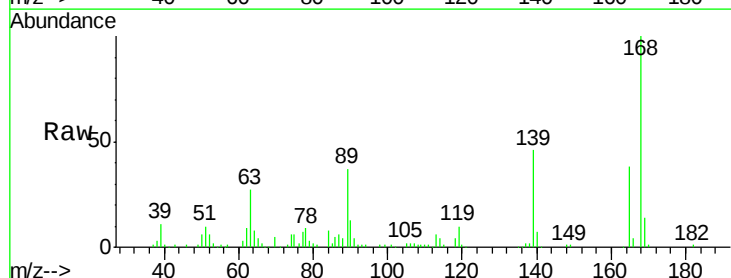


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

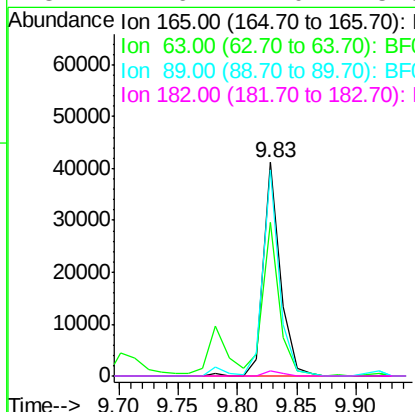
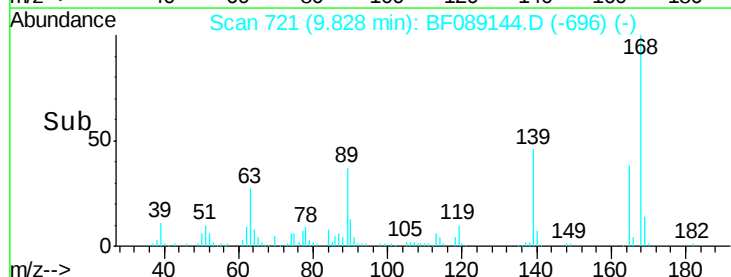


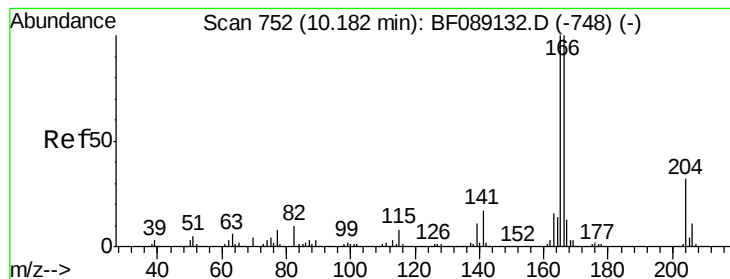
#56
2,4-Dinitrotoluene
Concen: 13.74 ng
RT: 9.83 min Scan# 721
Delta R.T. -0.01 min
Lab File: BF089144.D
Acq: 20 Jul 2016 21:23

Tgt Ion:165 Resp: 41338
Ion Ratio Lower Upper
165 100
63 72.1 55.4 83.2
89 96.3 74.3 111.5
182 2.6 2.0 3.0



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 14.03 ng

RT: 10.17 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

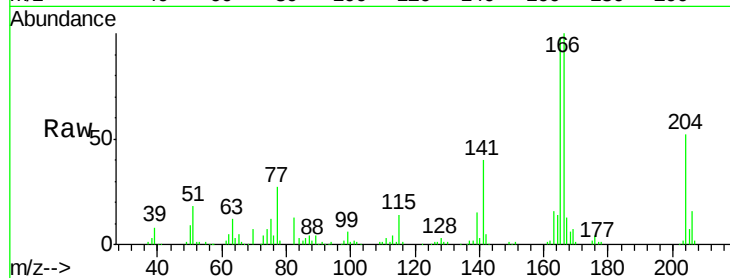
Tgt Ion:166 Resp: 138108

Ion Ratio Lower Upper

166 100

165 98.4 79.9 119.9

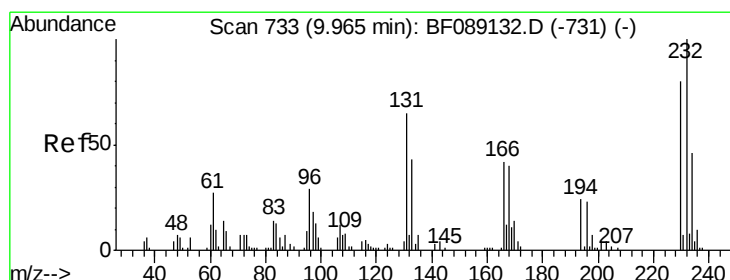
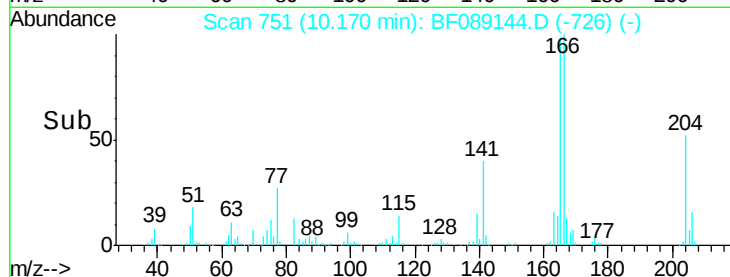
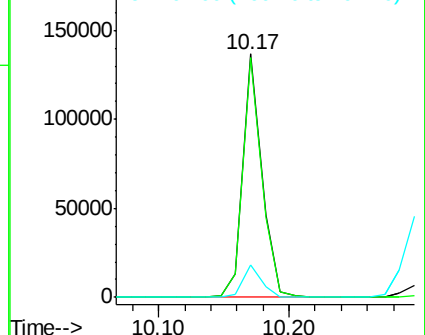
167 13.4 10.7 16.1



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: 14.56 ng

RT: 9.96 min Scan# 733

Delta R.T. 0.00 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

Tgt Ion:232 Resp: 29449

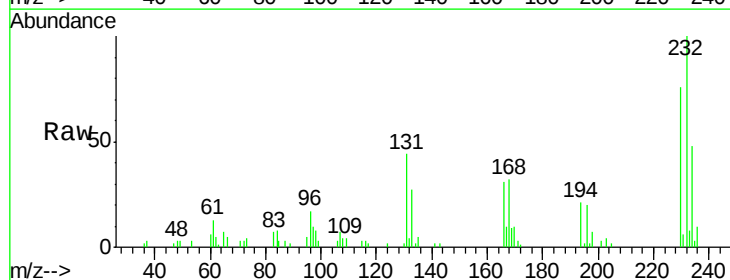
Ion Ratio Lower Upper

232 100

131 55.8 46.2 69.2

130 2.7 2.3 3.5

166 34.4 29.5 44.3

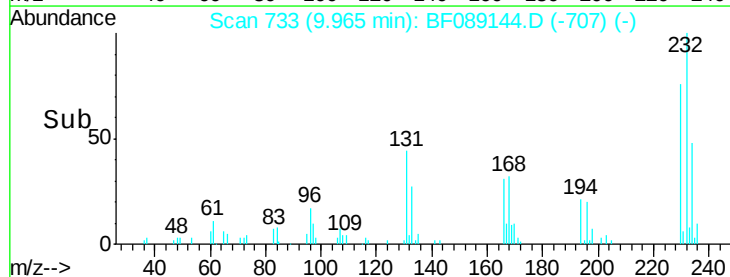
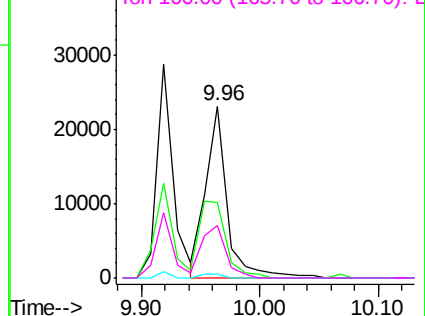


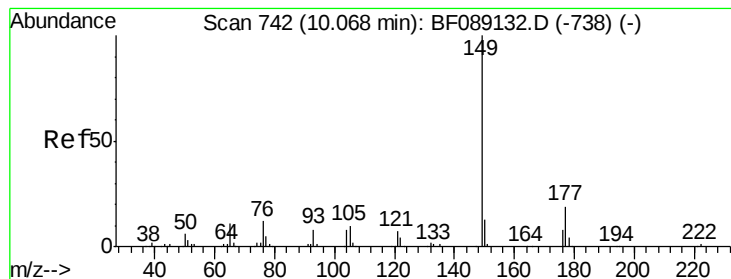
Abundance Ion 232.00 (231.70 to 232.70): E

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: 14.83 ng

RT: 10.07 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

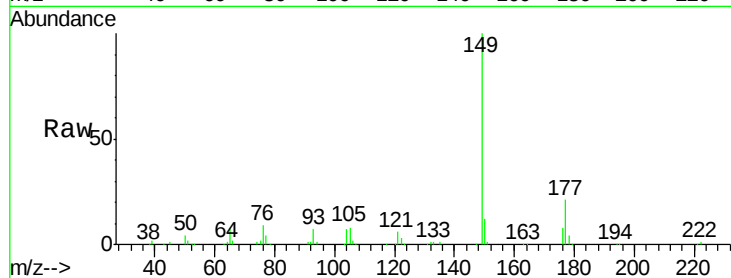
Tgt Ion:149 Resp: 152200

Ion Ratio Lower Upper

149 100

177 21.0 15.6 23.4

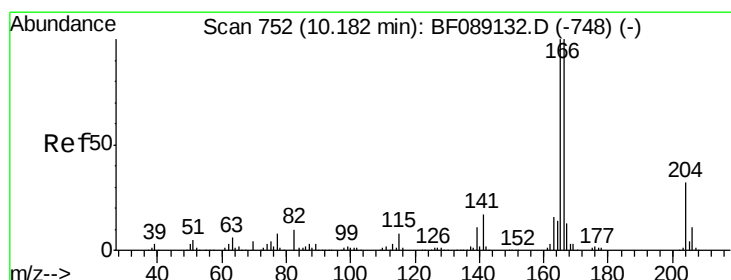
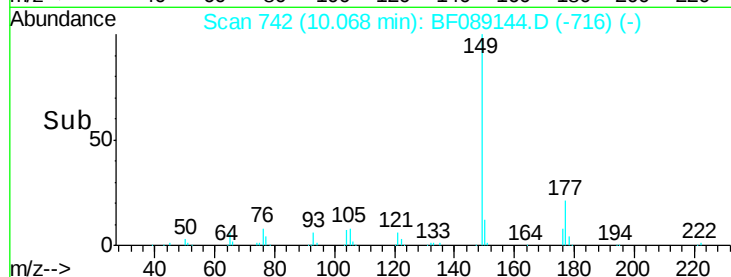
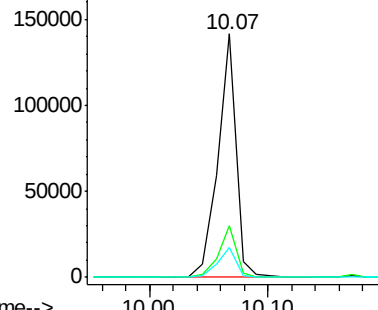
150 12.1 10.1 15.1



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: 14.18 ng

RT: 10.17 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

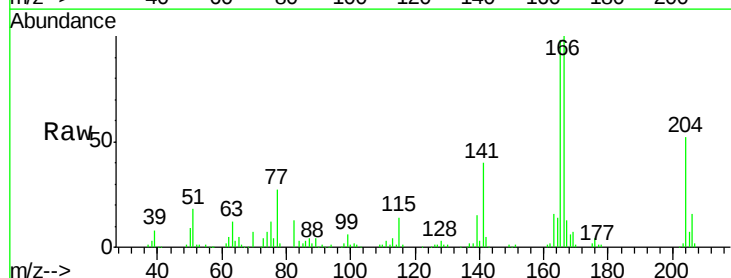
Tgt Ion:204 Resp: 63711

Ion Ratio Lower Upper

204 100

206 31.5 26.2 39.4

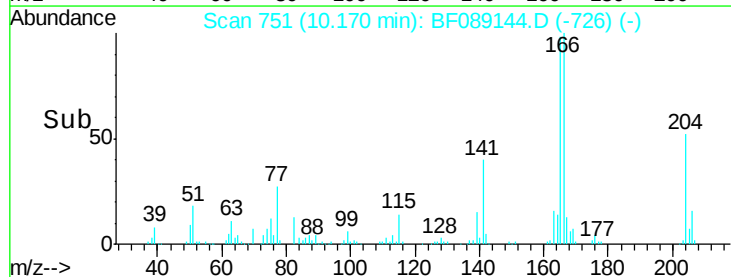
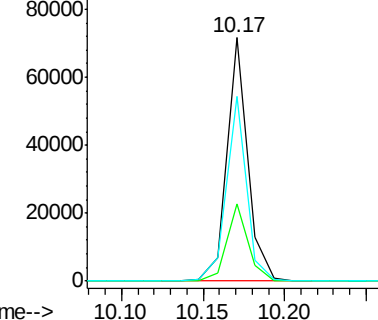
141 76.0 42.2 63.4#

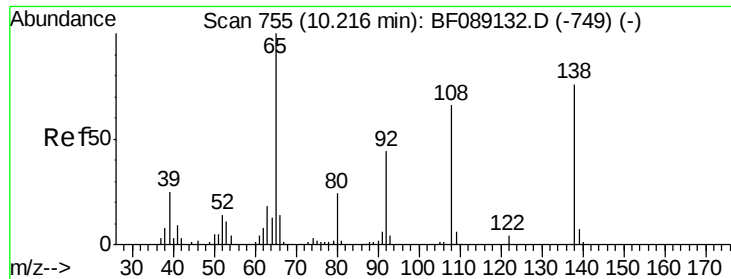


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 12.29 ng

RT: 10.20 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

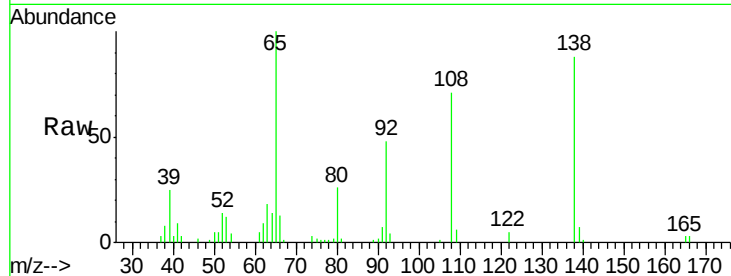
Tgt Ion:138 Resp: 33171

Ion Ratio Lower Upper

138 100

92 54.7 37.2 77.2

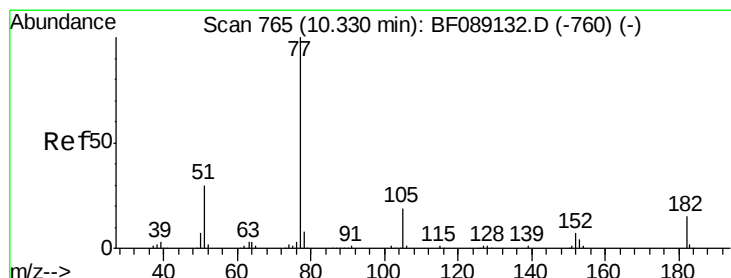
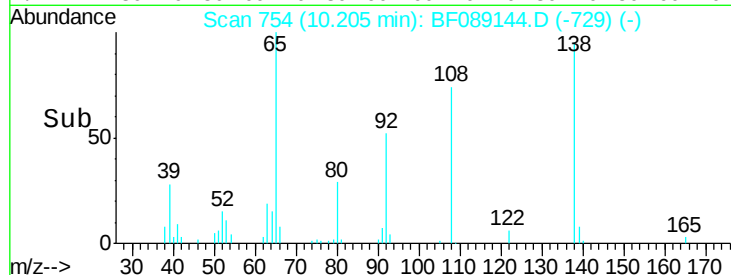
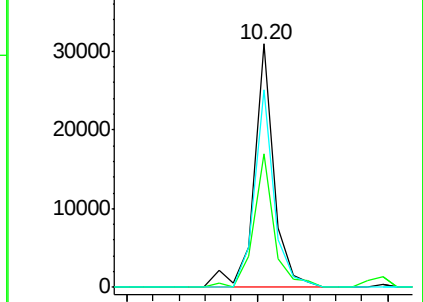
108 81.3 66.1 106.1



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 14.54 ng

RT: 10.33 min Scan# 765

Delta R.T. 0.00 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

Tgt Ion: 77 Resp: 162176

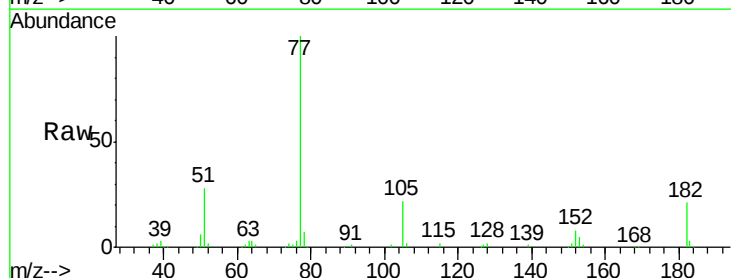
Ion Ratio Lower Upper

77 100

182 21.4 0.0 35.0

105 21.8 0.0 39.4

51 28.1 10.7 50.7

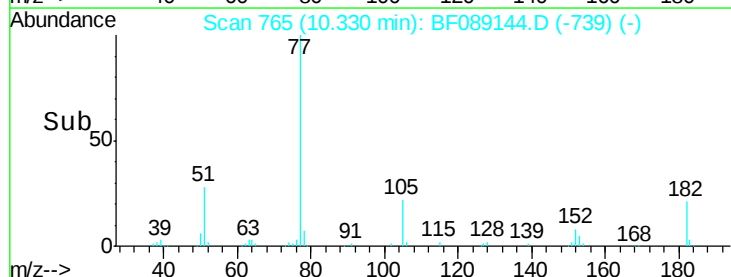
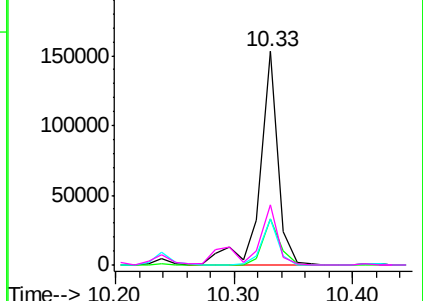


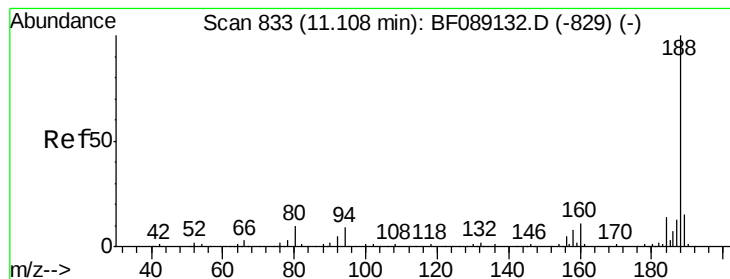
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.11 min Scan# 833

Delta R.T. 0.00 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

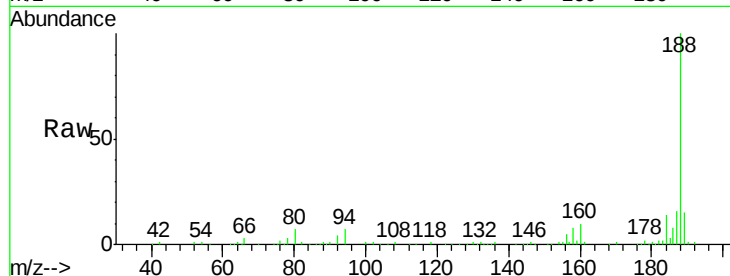
Tgt Ion:188 Resp: 259050

Ion Ratio Lower Upper

188 100

94 7.0 7.0 10.4

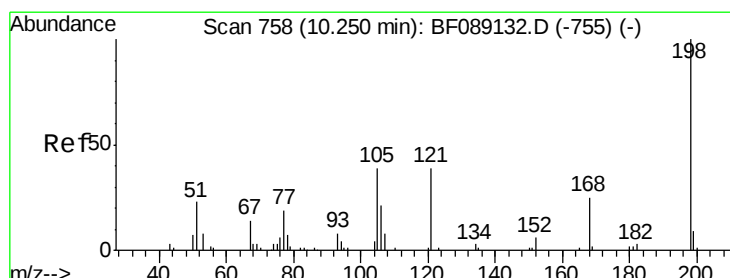
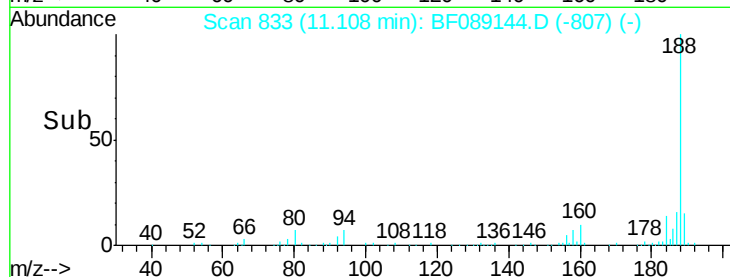
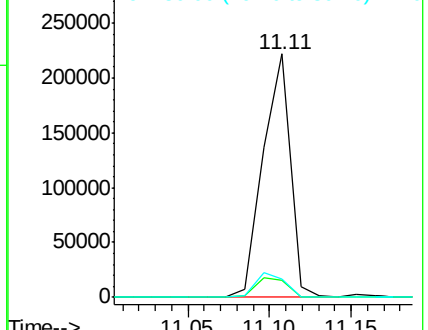
80 7.4 7.7 11.5#



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: 12.42 ng

RT: 10.24 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

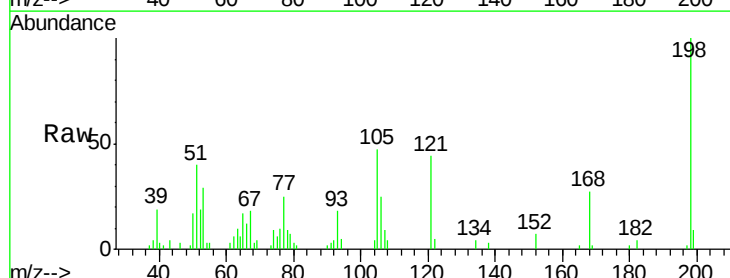
Tgt Ion:198 Resp: 18735

Ion Ratio Lower Upper

198 100

51 39.6 11.7 51.7

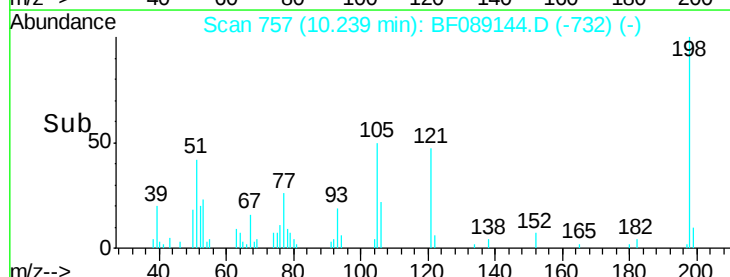
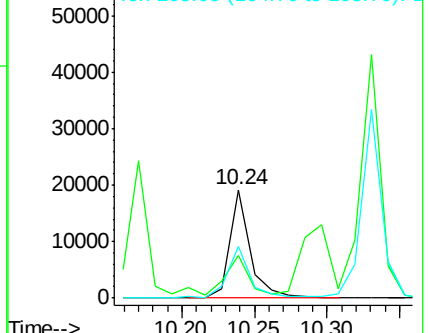
105 47.2 20.3 60.3



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: 14.36 ng

RT: 10.30 min Scan# 762

Delta R.T. 0.00 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

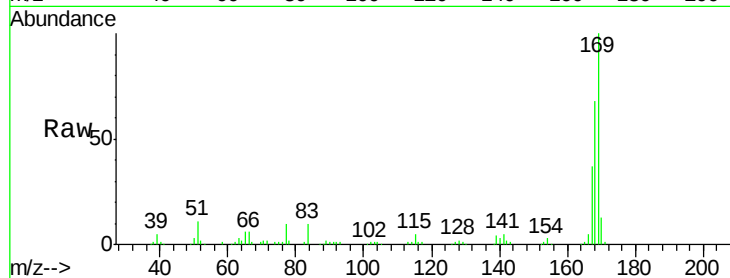
Tgt Ion:169 Resp: 124331

Ion Ratio Lower Upper

169 100

168 68.2 53.4 80.0

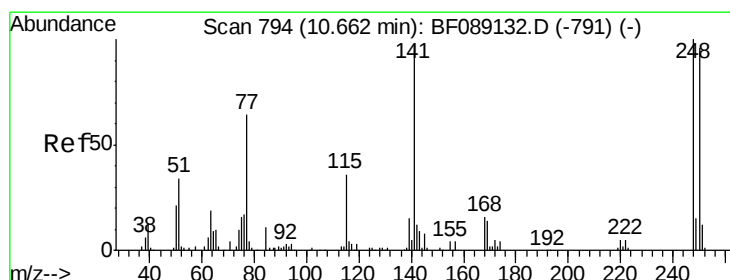
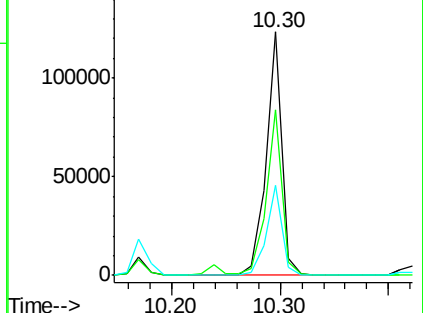
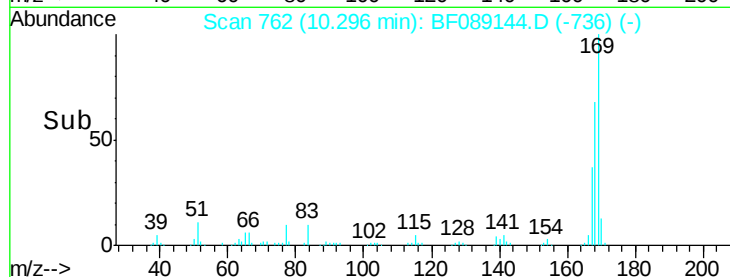
167 36.7 29.5 44.3



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 13.55 ng

RT: 10.66 min Scan# 794

Delta R.T. 0.00 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

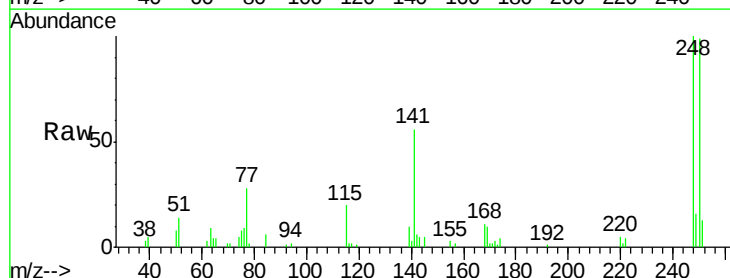
Tgt Ion:248 Resp: 34740

Ion Ratio Lower Upper

248 100

250 98.9 76.9 115.3

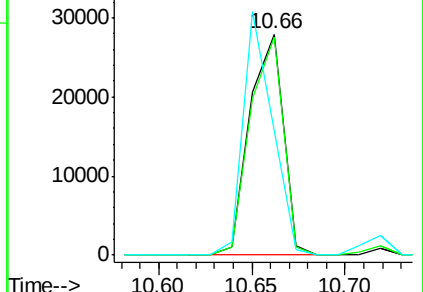
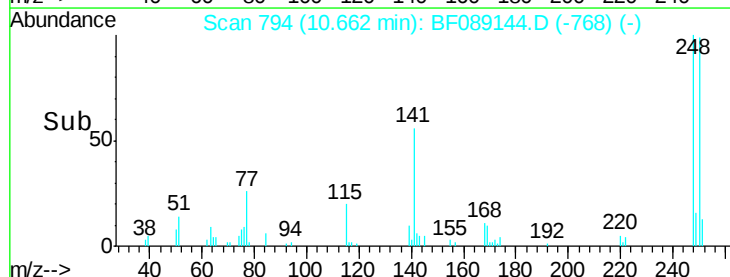
141 56.3 77.4 116.2#

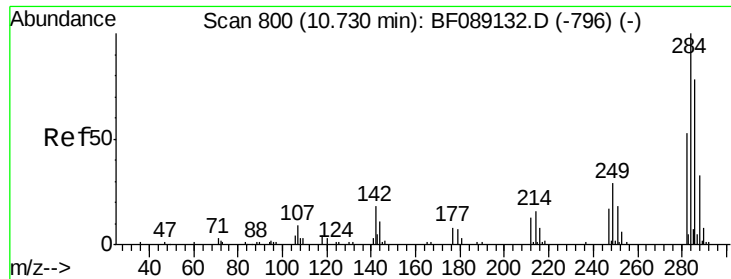


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

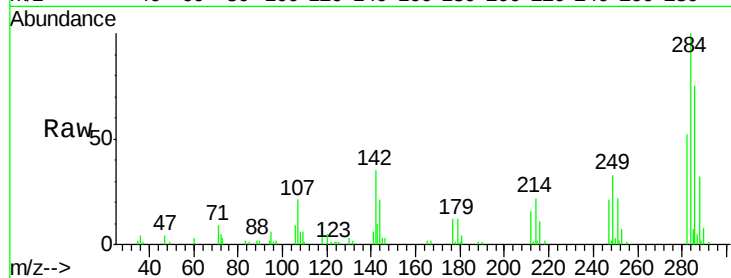




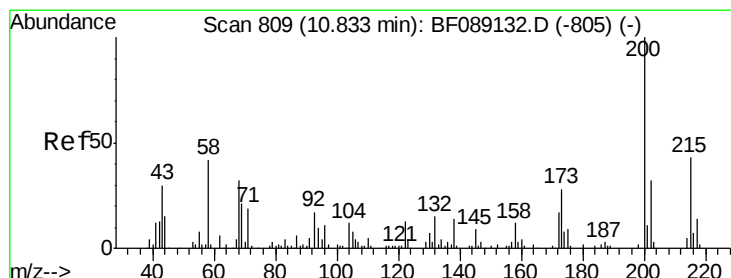
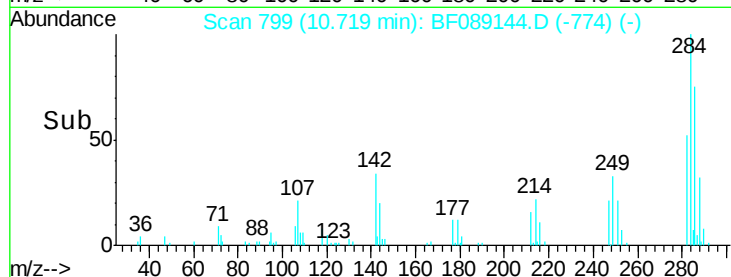
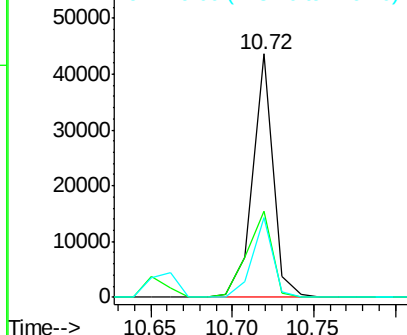
#67
Hexachlorobenzene
Concen: 13.81 ng
RT: 10.72 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF089144.D
Acq: 20 Jul 2016 21:23

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion: 284 Resp: 38072
Ion Ratio Lower Upper
284 100
142 35.3 14.1 21.1#
249 32.7 23.0 34.4

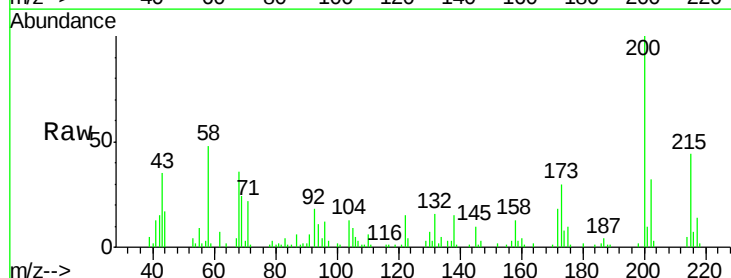


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

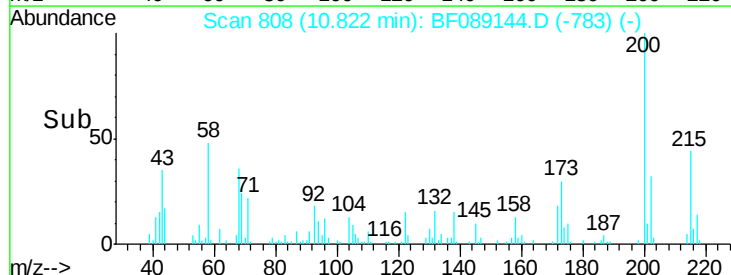
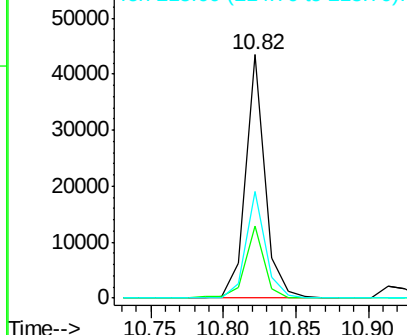


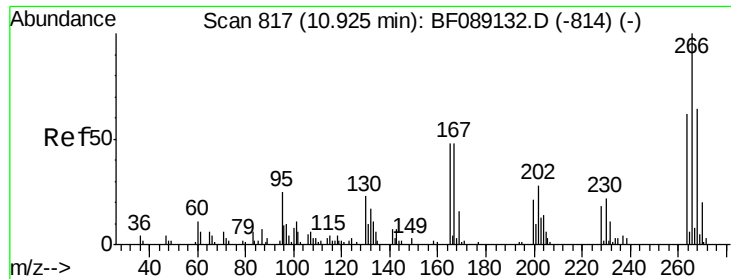
#68
Atrazine
Concen: 14.88 ng
RT: 10.82 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF089144.D
Acq: 20 Jul 2016 21:23

Tgt Ion: 200 Resp: 40299
Ion Ratio Lower Upper
200 100
173 29.9 7.8 47.8
215 43.8 22.9 62.9



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

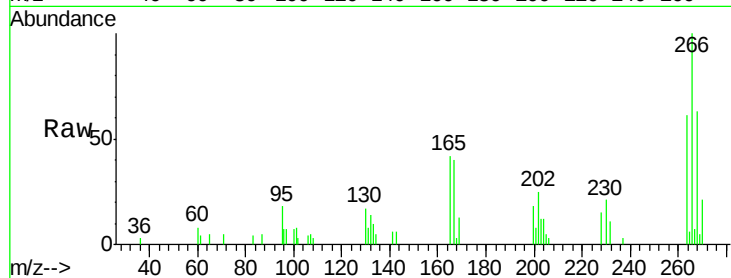




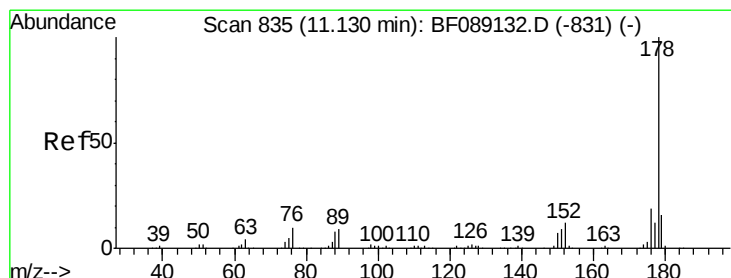
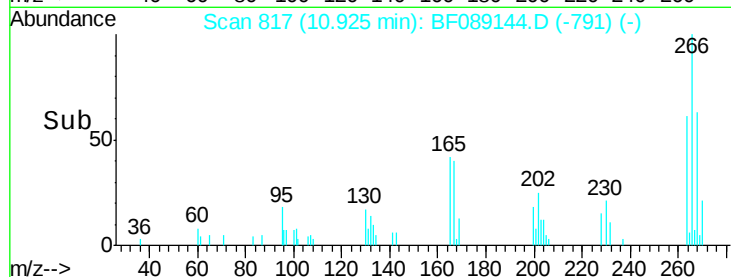
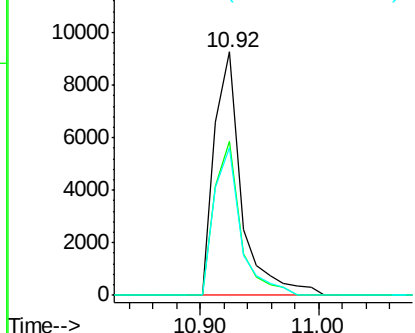
#69
 Pentachlorophenol
 Concen: 11.48 ng
 RT: 10.92 min Scan# 817
 Delta R.T. 0.00 min
 Lab File: BF089144.D
 Acq: 20 Jul 2016 21:23

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

Tgt Ion:266 Resp: 14603
 Ion Ratio Lower Upper
 266 100
 268 63.2 51.2 76.8
 264 60.5 49.7 74.5

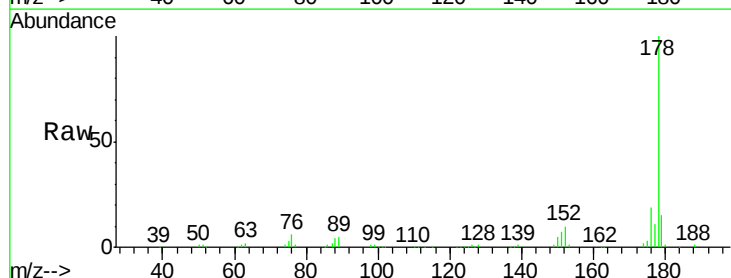


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

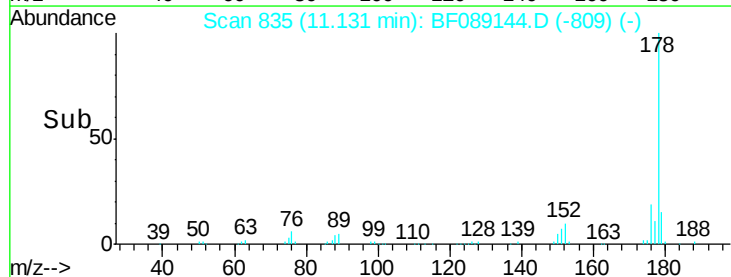
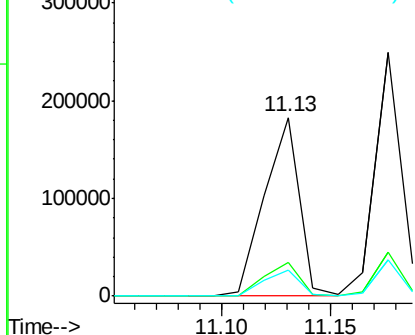


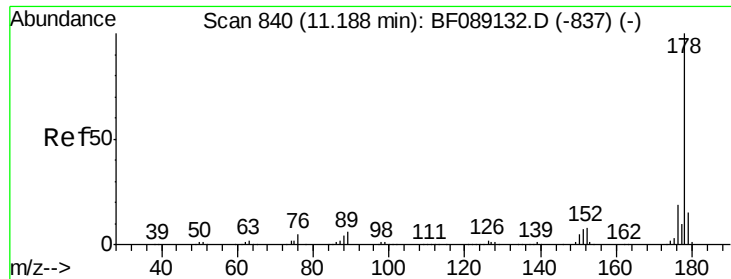
#70
 Phenanthrene
 Concen: 14.46 ng
 RT: 11.13 min Scan# 835
 Delta R.T. 0.00 min
 Lab File: BF089144.D
 Acq: 20 Jul 2016 21:23

Tgt Ion:178 Resp: 205544
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.6 23.4
 179 14.6 12.4 18.6



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

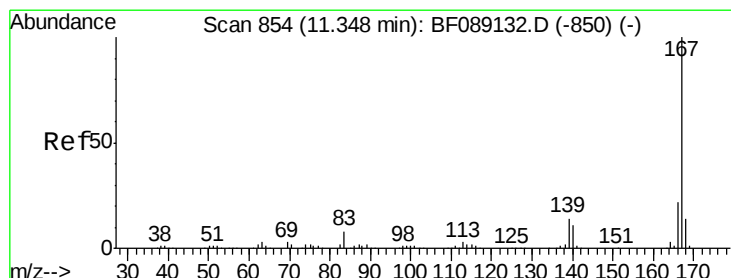
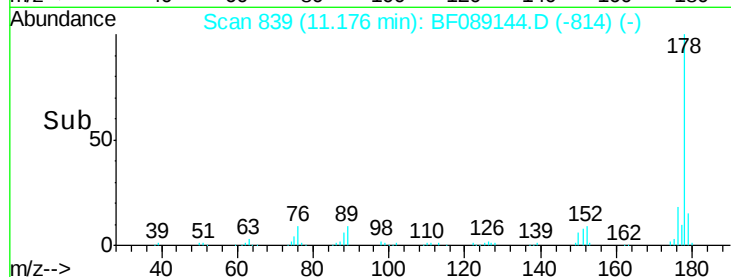
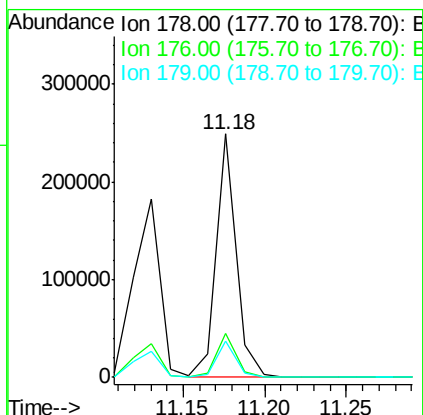
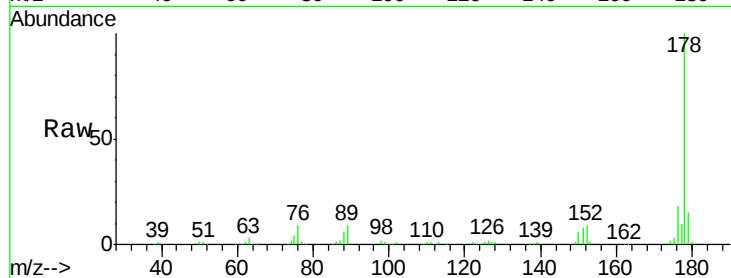




#71
 Anthracene
 Concen: 14.42 ng
 RT: 11.18 min Scan# 839
 Delta R.T. -0.01 min
 Lab File: BF089144.D
 Acq: 20 Jul 2016 21:23

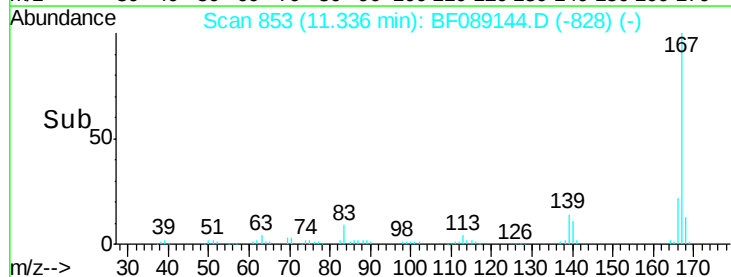
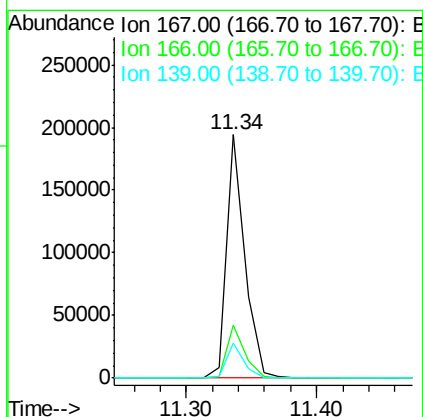
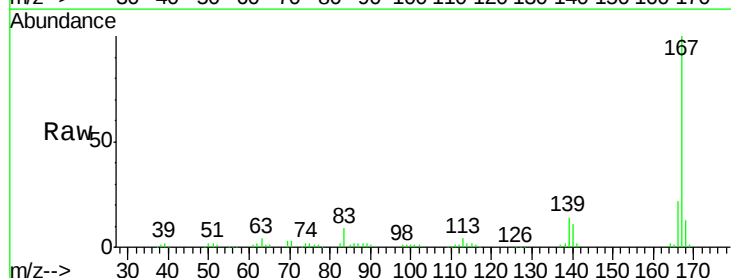
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

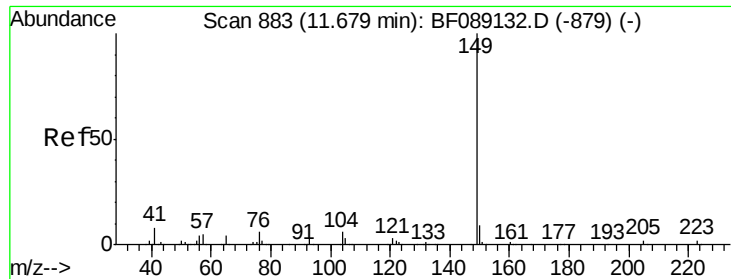
Tgt Ion:178 Resp: 212963
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.9 22.3
 179 15.1 12.0 18.0



#72
 Carbazole
 Concen: 14.53 ng
 RT: 11.34 min Scan# 853
 Delta R.T. -0.01 min
 Lab File: BF089144.D
 Acq: 20 Jul 2016 21:23

Tgt Ion:167 Resp: 188463
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.7 26.5
 139 14.3 11.0 16.4

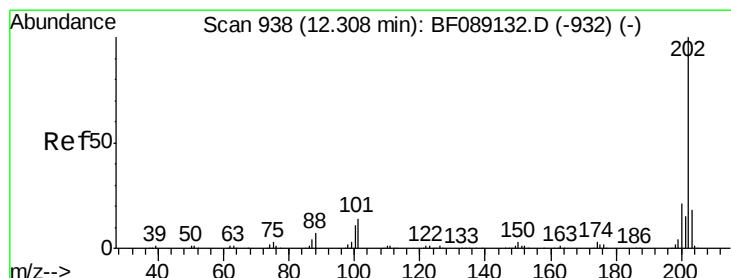
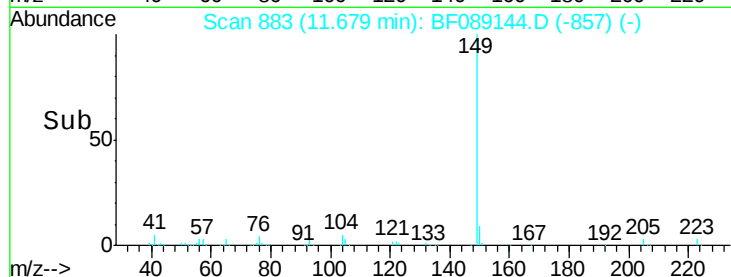
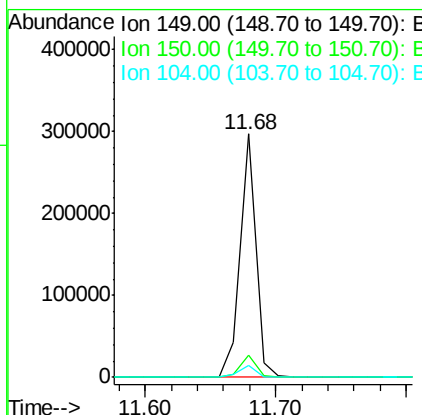
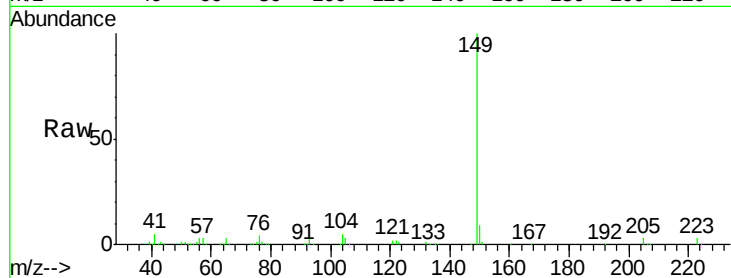




#73
Di-n-butylphthalate
Concen: 15.47 ng
RT: 11.68 min Scan# 883
Delta R.T. 0.00 min
Lab File: BF089144.D
Acq: 20 Jul 2016 21:23

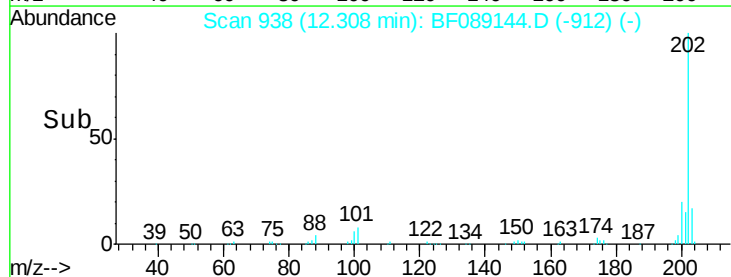
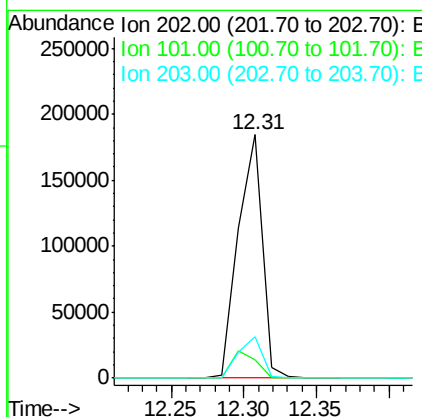
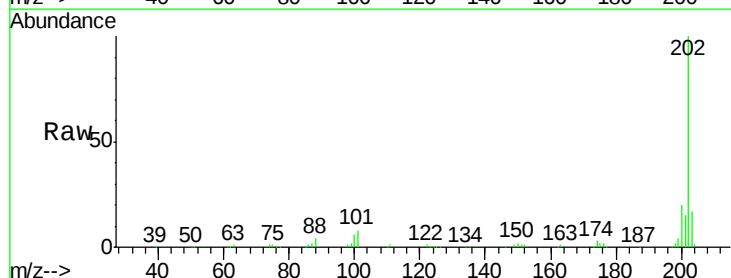
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

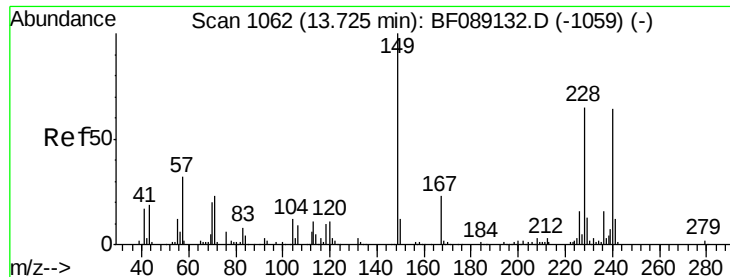
Tgt Ion:149 Resp: 248270
Ion Ratio Lower Upper
149 100
150 9.1 7.4 11.2
104 4.9 4.6 6.8



#74
Fluoranthene
Concen: 14.22 ng
RT: 12.31 min Scan# 938
Delta R.T. 0.00 min
Lab File: BF089144.D
Acq: 20 Jul 2016 21:23

Tgt Ion:202 Resp: 212439
Ion Ratio Lower Upper
202 100
101 7.5 0.0 34.0
203 17.0 0.0 37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.73 min Scan# 1062

Delta R.T. 0.00 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

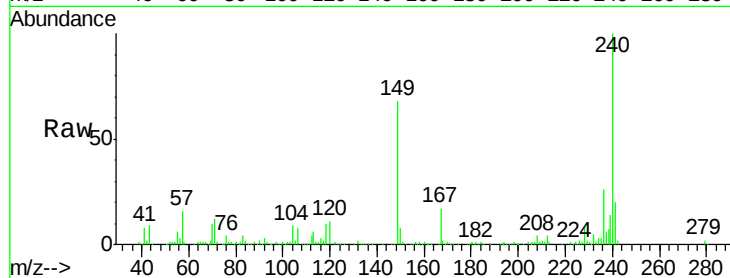
Tgt Ion:240 Resp: 205645

Ion Ratio Lower Upper

240 100

120 10.8 13.6 20.4#

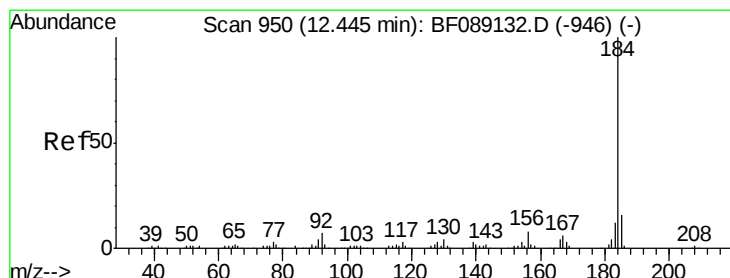
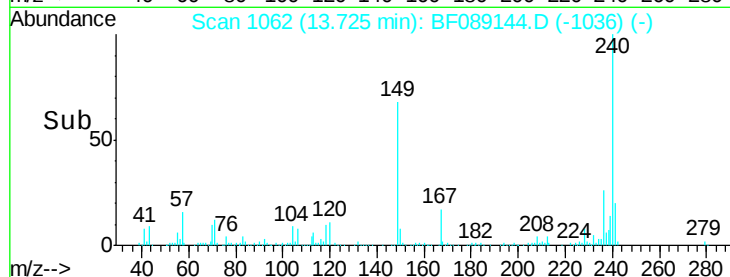
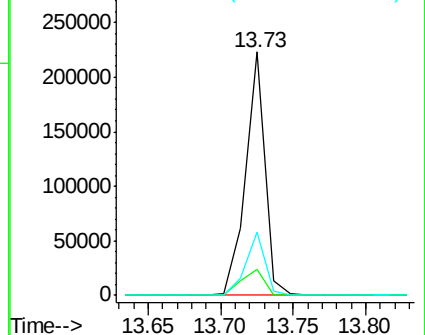
236 26.1 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 3.67 ng

RT: 12.43 min Scan# 949

Delta R.T. -0.01 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

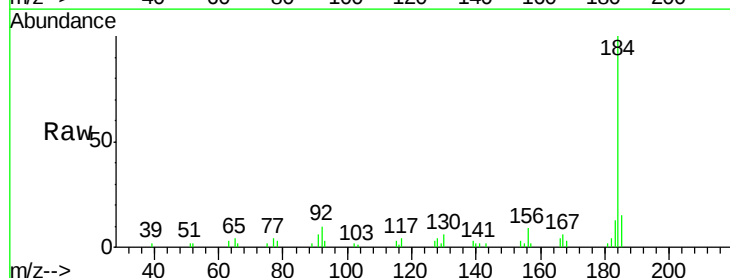
Tgt Ion:184 Resp: 25923

Ion Ratio Lower Upper

184 100

185 15.0 12.5 18.7

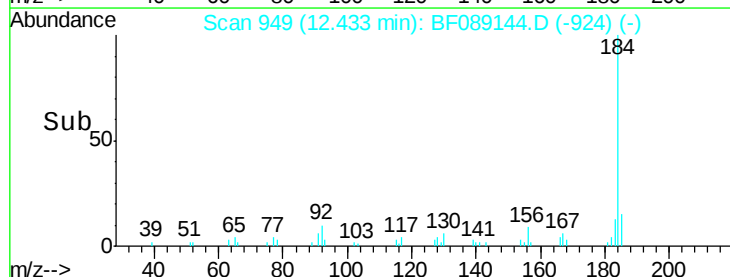
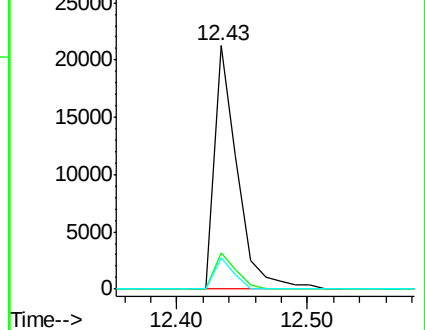
183 12.8 9.6 14.4

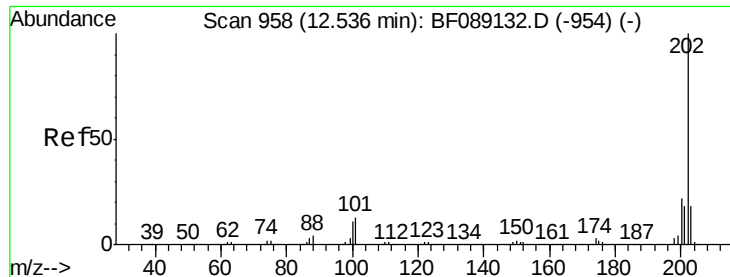


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

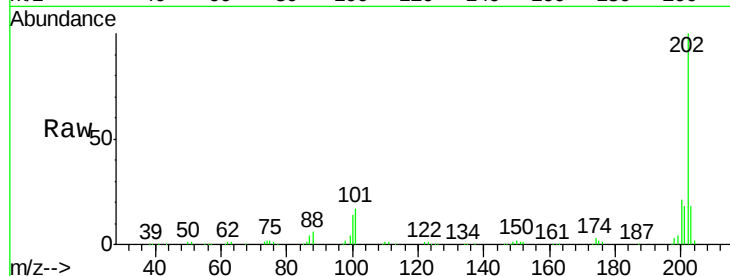




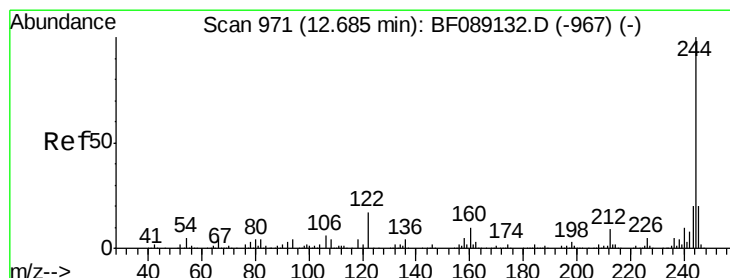
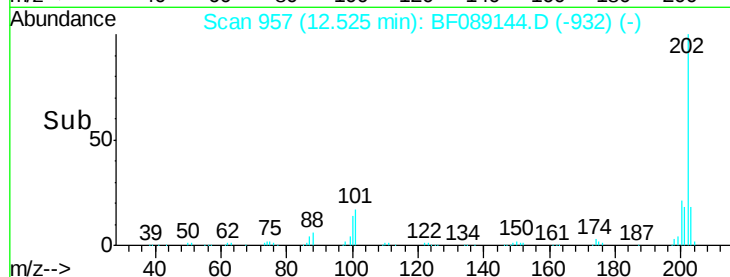
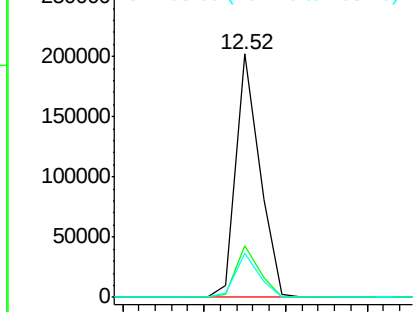
#77
 Pyrene
 Concen: 11.99 ng
 RT: 12.52 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: BF089144.D
 Acq: 20 Jul 2016 21:23

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.0
203	18.0	14.2	21.2

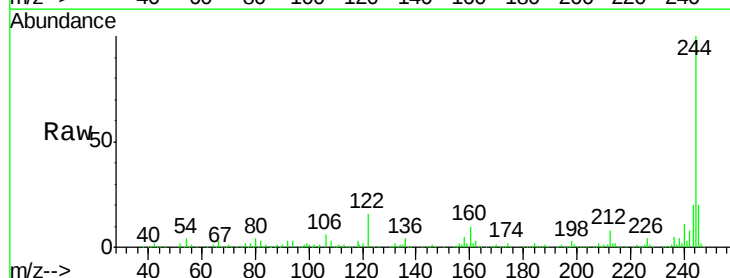


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

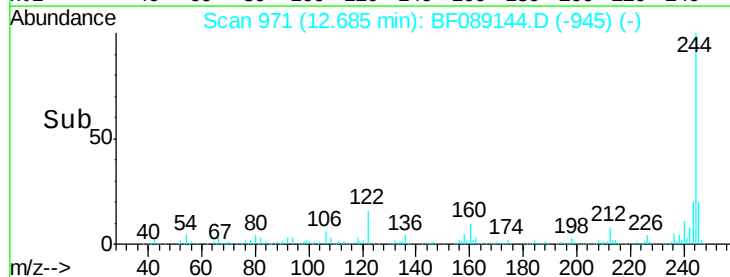
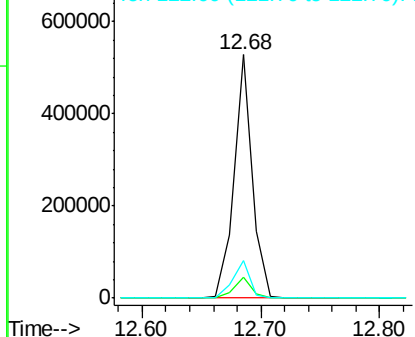


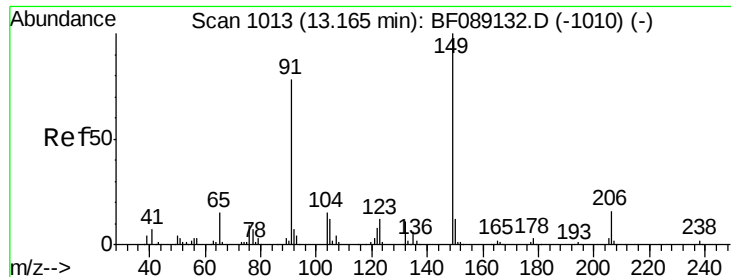
#78
 Terphenyl-d14
 Concen: 59.27 ng
 RT: 12.68 min Scan# 971
 Delta R.T. 0.00 min
 Lab File: BF089144.D
 Acq: 20 Jul 2016 21:23

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.4	7.0	10.4
122	15.5	13.8	20.8



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

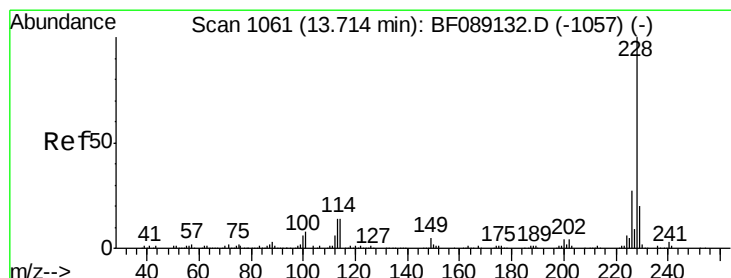
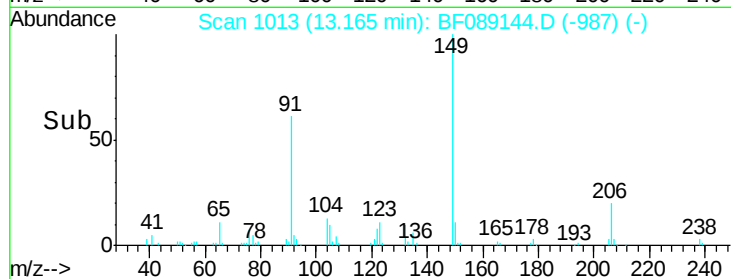
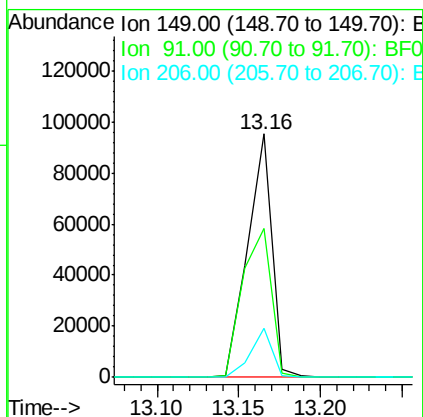
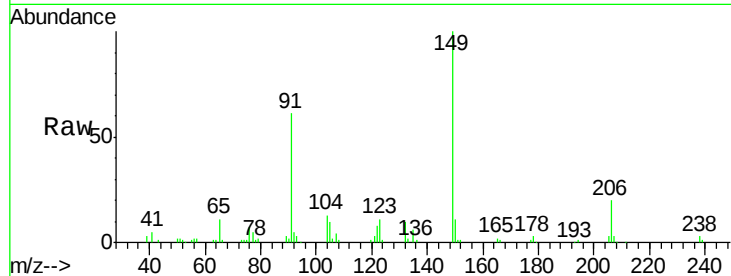




#79
Butylbenzylphthalate
Concen: 13.67 ng
RT: 13.16 min Scan# 1013
Delta R.T. 0.00 min
Lab File: BF089144.D
Acq: 20 Jul 2016 21:23

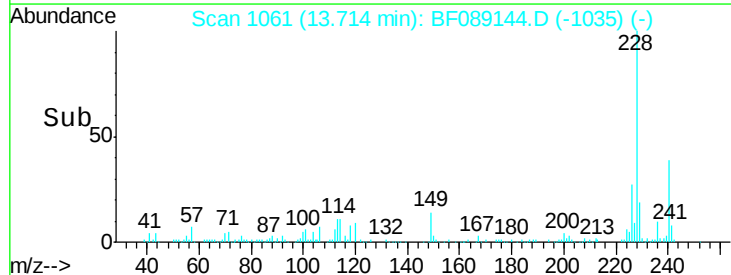
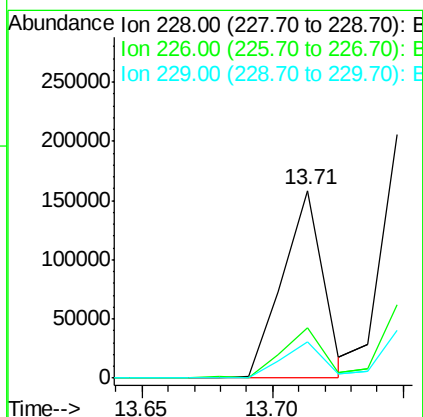
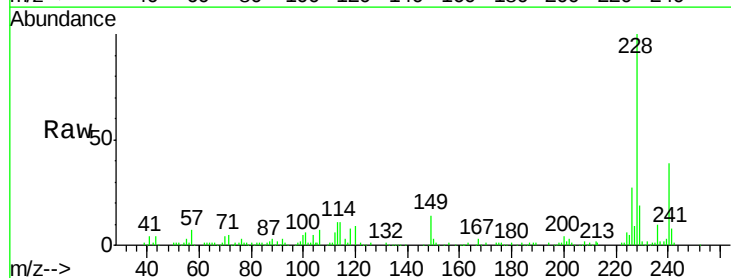
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:149 Resp: 98226
Ion Ratio Lower Upper
149 100
91 61.4 62.6 93.8#
206 20.3 13.2 19.8#



#80
Benzo(a)anthracene
Concen: 13.06 ng
RT: 13.71 min Scan# 1061
Delta R.T. 0.00 min
Lab File: BF089144.D
Acq: 20 Jul 2016 21:23

Tgt Ion:228 Resp: 171058
Ion Ratio Lower Upper
228 100
226 27.0 21.8 32.8
229 19.0 15.8 23.8

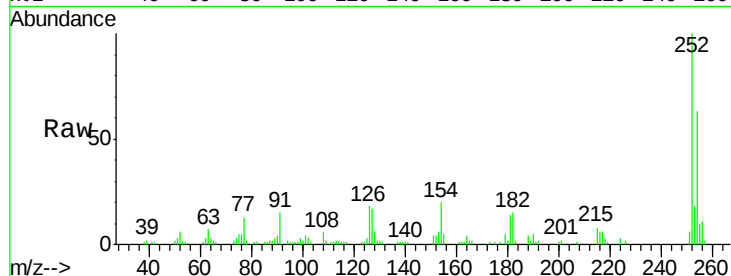




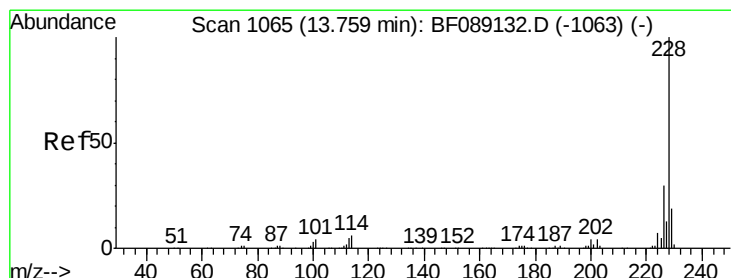
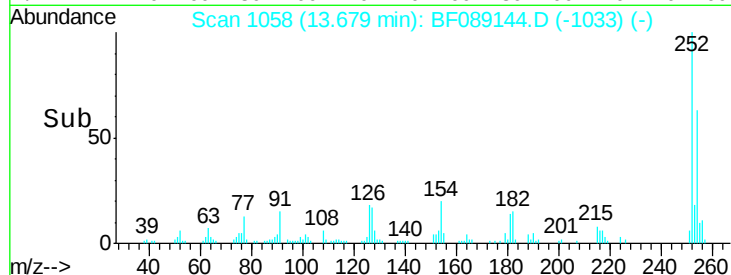
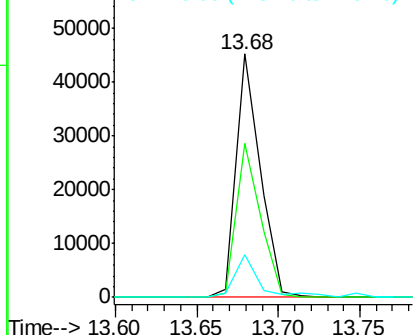
#81
 3,3'-Dichlorobenzidine
 Concen: 10.54 ng
 RT: 13.68 min Scan# 1058
 Delta R.T. -0.01 min
 Lab File: BF089144.D
 Acq: 20 Jul 2016 21:23

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

Tgt Ion:252 Resp: 45798
 Ion Ratio Lower Upper
 252 100
 254 63.3 50.4 75.6
 126 17.5 10.2 15.2#

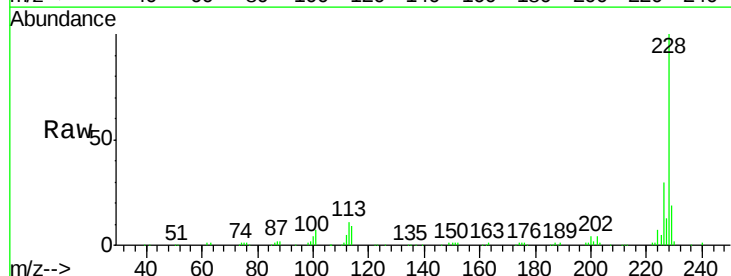


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

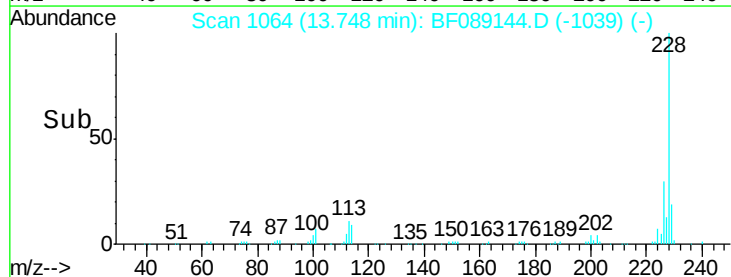
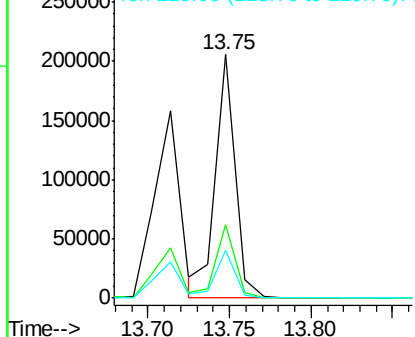


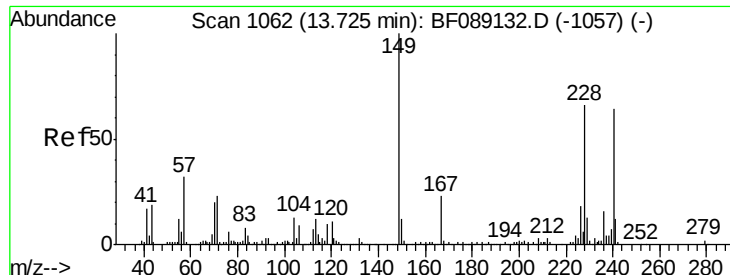
#82
 Chrysene
 Concen: 13.78 ng
 RT: 13.75 min Scan# 1064
 Delta R.T. -0.01 min
 Lab File: BF089144.D
 Acq: 20 Jul 2016 21:23

Tgt Ion:228 Resp: 172445
 Ion Ratio Lower Upper
 228 100
 226 29.9 23.8 35.8
 229 19.4 15.4 23.0



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

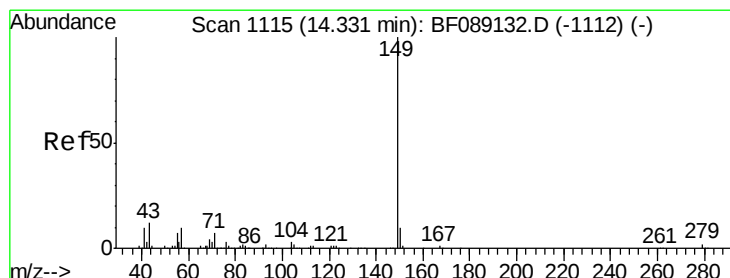
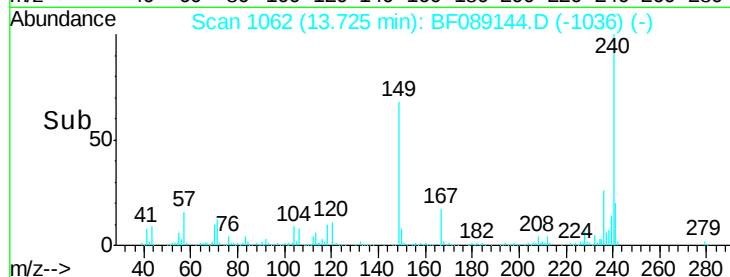
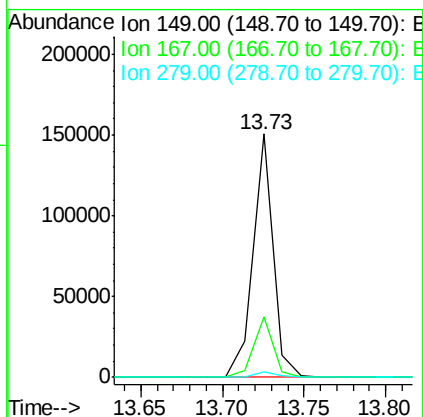
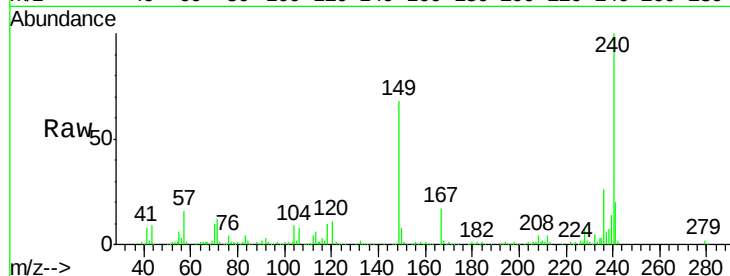




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 13.54 ng
 RT: 13.73 min Scan# 1062
 Delta R.T. 0.00 min
 Lab File: BF089144.D
 Acq: 20 Jul 2016 21:23

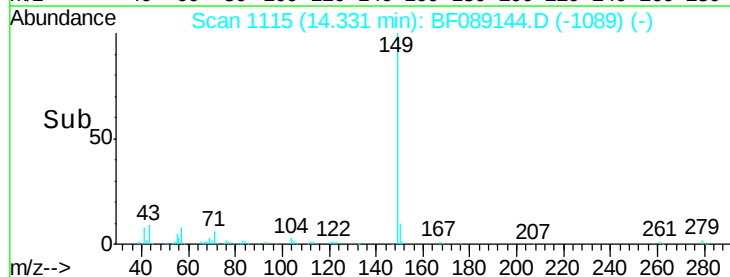
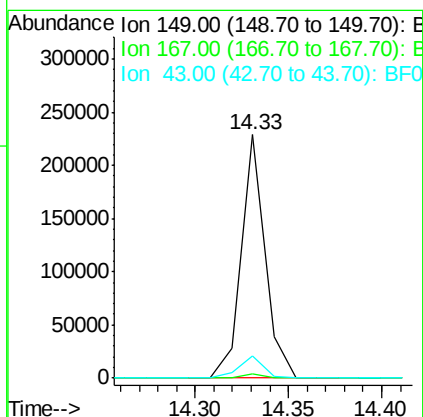
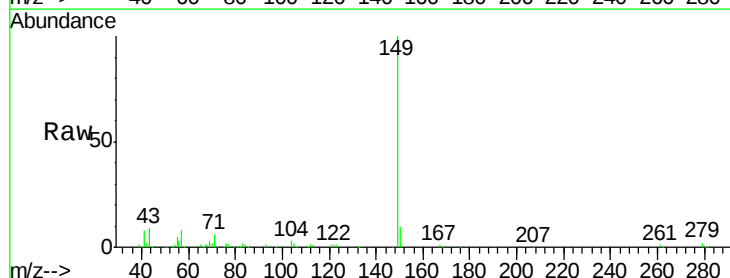
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

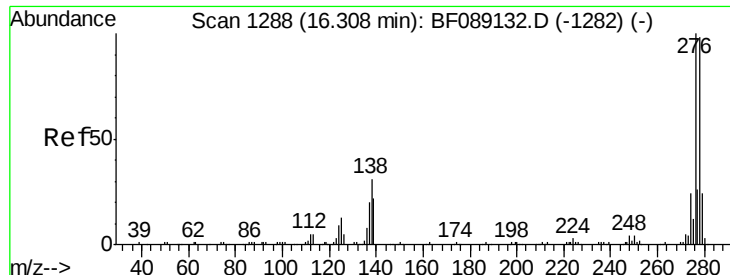
Tgt Ion:149 Resp: 129014
 Ion Ratio Lower Upper
 149 100
 167 25.0 18.6 28.0
 279 2.5 1.6 2.4#



#84
 Di-n-octyl phthalate
 Concen: 12.96 ng
 RT: 14.33 min Scan# 1115
 Delta R.T. 0.00 min
 Lab File: BF089144.D
 Acq: 20 Jul 2016 21:23

Tgt Ion:149 Resp: 203805
 Ion Ratio Lower Upper
 149 100
 167 1.5 1.2 1.8
 43 9.7 7.3 10.9

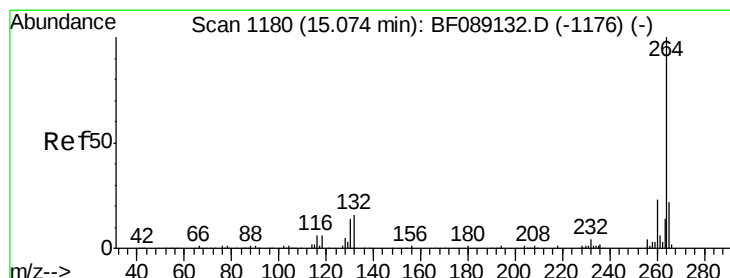
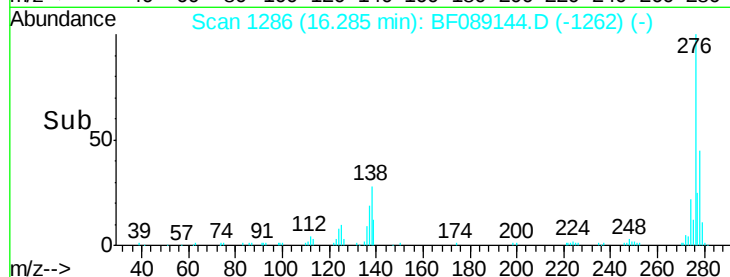
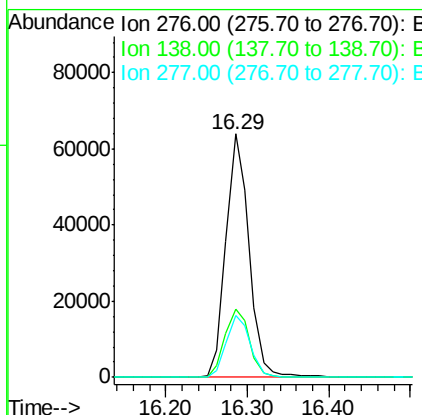
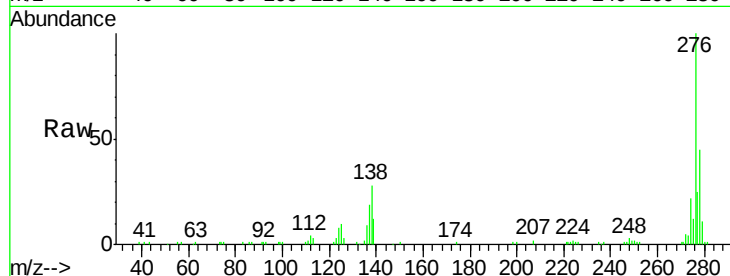




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 13.77 ng
 RT: 16.29 min Scan# 1286
 Delta R.T. -0.02 min
 Lab File: BF089144.D
 Acq: 20 Jul 2016 21:23

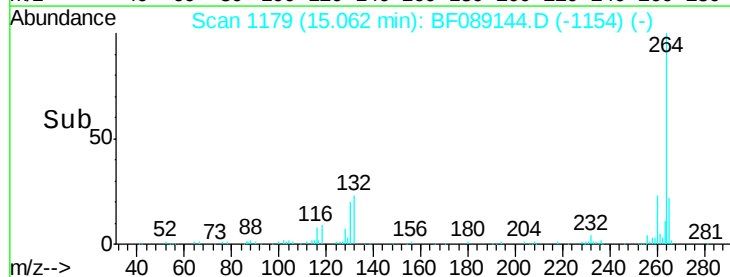
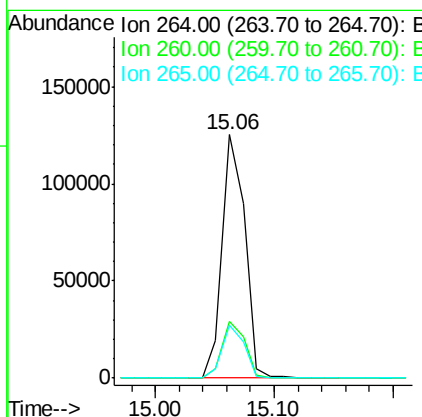
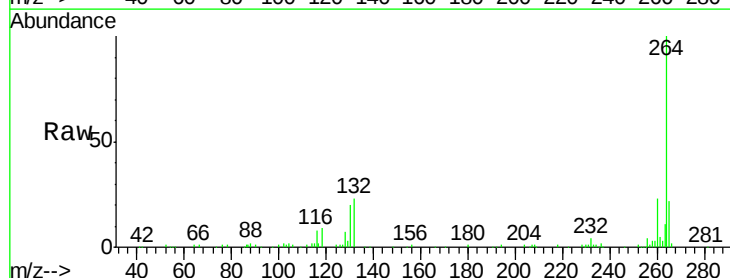
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

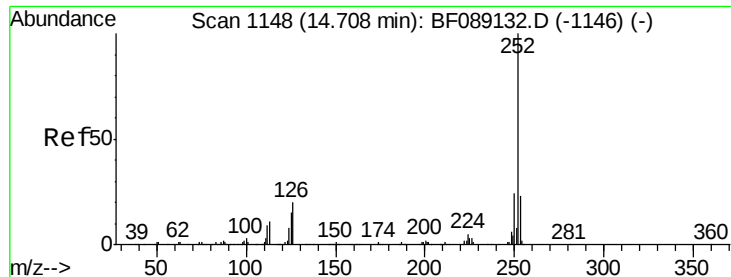
Tgt Ion:276 Resp: 125148
 Ion Ratio Lower Upper
 276 100
 138 29.4 23.7 35.5
 277 26.1 20.6 31.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.06 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: BF089144.D
 Acq: 20 Jul 2016 21:23

Tgt Ion:264 Resp: 165906
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.5 27.7
 265 21.8 17.3 25.9





#87

Benzo(b)fluoranthene

Concen: 14.52 ng m

RT: 14.71 min Scan# 1148

Delta R.T. 0.00 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

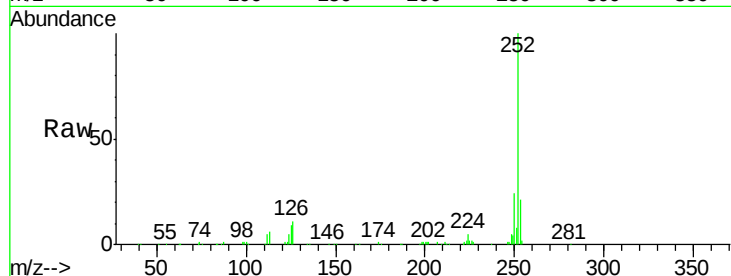
Tgt Ion:252 Resp: 174502

Ion Ratio Lower Upper

252 100

253 21.0 18.2 27.2

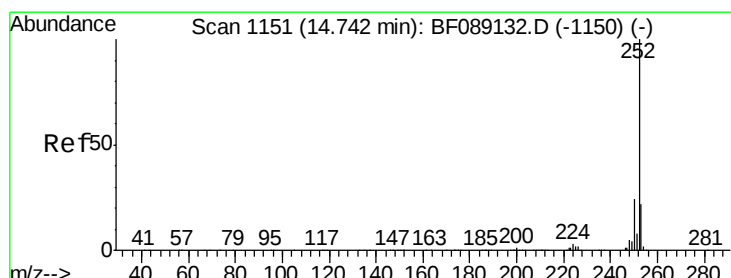
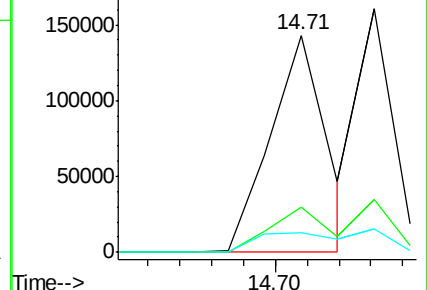
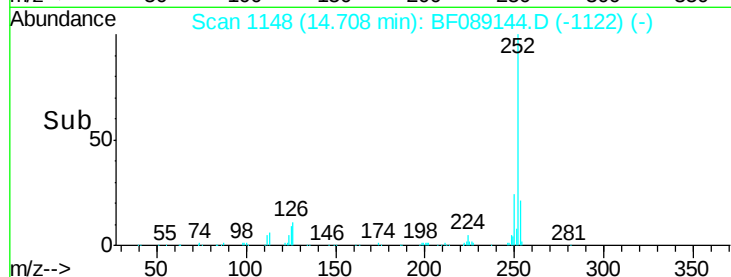
125 8.8 11.9 17.9#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 14.52 ng m

RT: 14.73 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

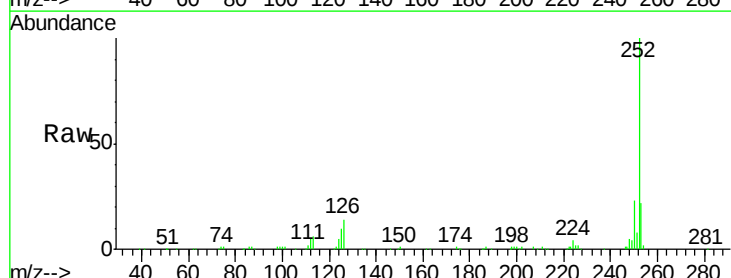
Tgt Ion:252 Resp: 124803

Ion Ratio Lower Upper

252 100

253 21.5 17.3 25.9

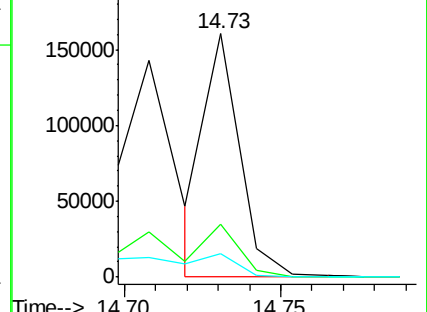
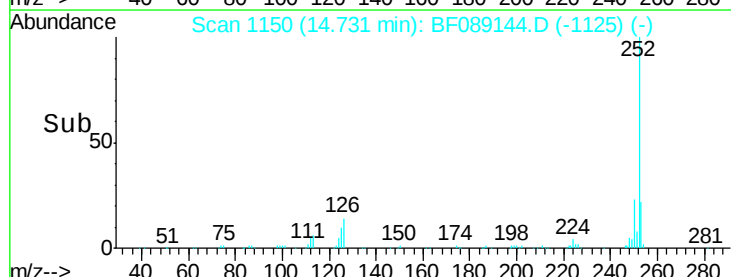
125 9.7 6.3 9.5#

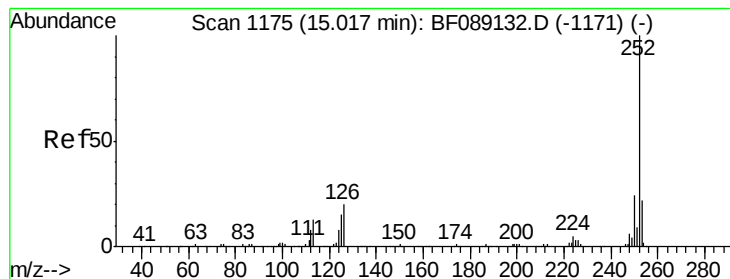


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 14.75 ng

RT: 15.02 min Scan# 1175

Delta R.T. 0.00 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

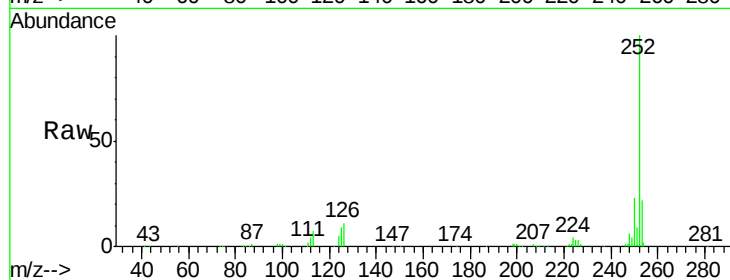
Tgt Ion:252 Resp: 137605

Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.0

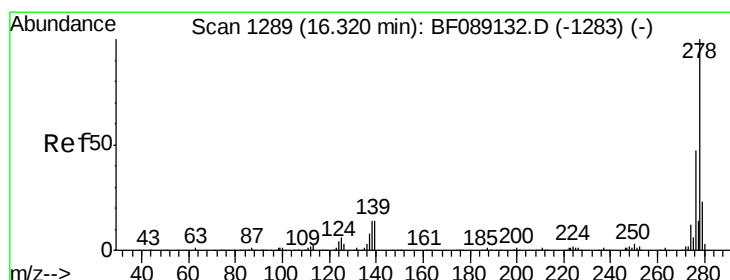
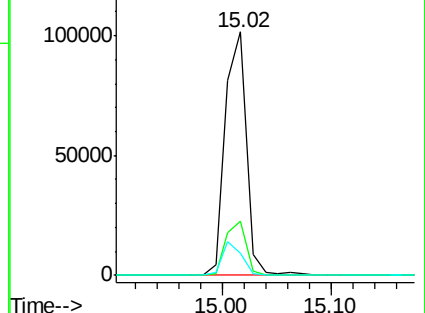
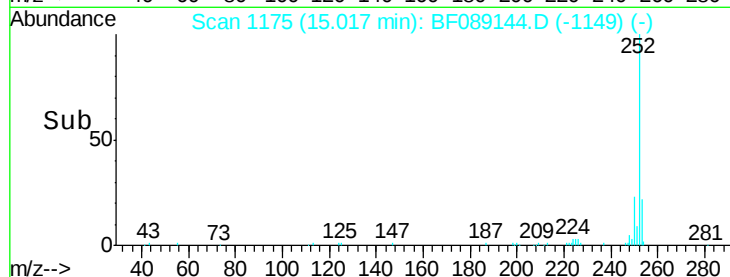
125 9.0 12.4 18.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 14.09 ng

RT: 16.30 min Scan# 1287

Delta R.T. -0.02 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

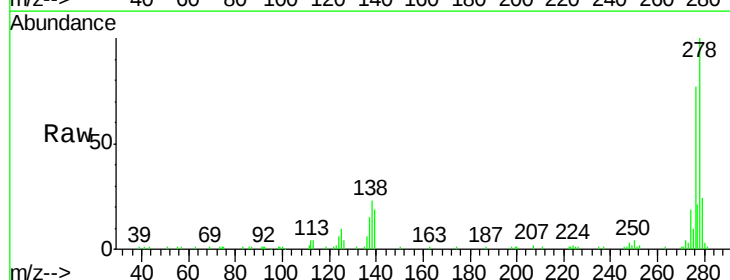
Tgt Ion:278 Resp: 103779

Ion Ratio Lower Upper

278 100

139 19.1 11.4 17.2#

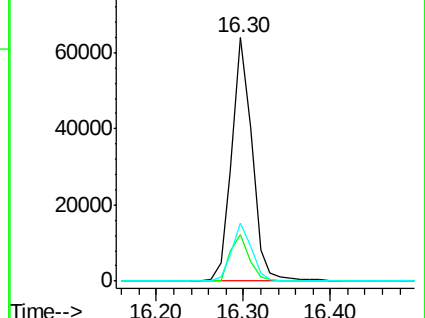
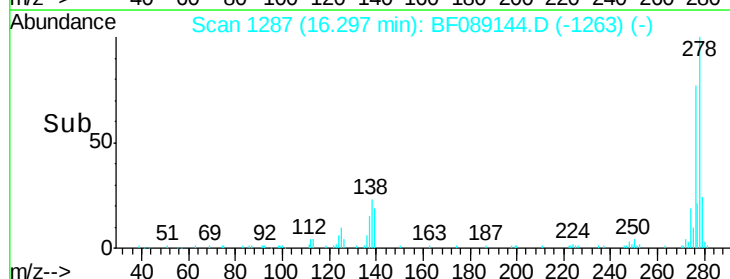
279 23.7 18.4 27.6

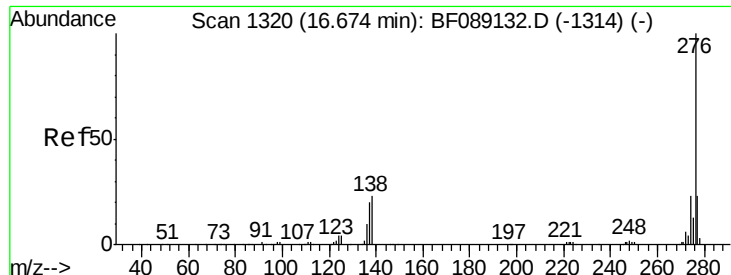


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 13.74 ng

RT: 16.65 min Scan# 1318

Delta R.T. -0.02 min

Lab File: BF089144.D

Acq: 20 Jul 2016 21:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

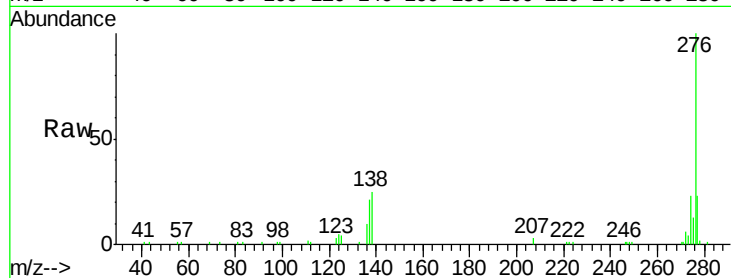
Tgt Ion: 276 Resp: 102042

Ion Ratio Lower Upper

276 100

277 22.8 18.5 27.7

138 24.9 18.5 27.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

