

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100516\
 Data File : BF090385.D
 Acq On : 5 Oct 2016 16:57
 Operator : UM/SJ
 Sample : H4818-01
 Misc : LOD 2PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01-QT4

Quant Time: Oct 06 01:07:05 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 05 14:57:00 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	245249	20.00	ng	0.00
21) Naphthalene-d8	8.29	136	1045850	20.00	ng	0.00
38) Acenaphthene-d10	10.05	164	523618	20.00	ng	0.00
63) Phenanthrene-d10	11.54	188	795924	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	667466	20.00	ng	-0.01
86) Perylene-d12	15.70	264	496758	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.62	112	1953541	118.88	ng	0.01
7) Phenol-d6	6.62	99	2274337	105.67	ng	0.00
23) Nitrobenzene-d5	7.56	82	1608335	74.80	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	553075	129.90	ng	-0.01
44) 2-Fluorobiphenyl	9.37	172	2604341	82.87	ng	-0.01
78) Terphenyl-d14	13.14	244	2619567	88.23	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.83	88	14839	1.83	ng	95
4) n-Nitrosodimethylamine	3.41	42	511	0.05	ng	# 1
6) Aniline	6.66	93	50785	1.71	ng	98
8) 2-Chlorophenol	6.78	128	38557	2.13	ng	93
9) Benzaldehyde	6.54	77	19790	1.82	ng	93
10) Phenol	6.63	94	64478	2.58	ng	91
11) bis(2-Chloroethyl)ether	6.73	93	33413	1.74	ng	# 83
12) 1,3-Dichlorobenzene	6.94	146	33582	1.86	ng	98
13) 1,4-Dichlorobenzene	7.01	146	30702	1.68	ng	94
14) 1,2-Dichlorobenzene	7.17	146	34885	1.98	ng	98
15) Benzyl Alcohol	7.16	79	56258	3.44	ng	# 45
16) 2,2'-oxybis(1-Chloropropan	7.27	45	61362	1.89	ng	97
17) 2-Methylphenol	7.24	107	26334	1.77	ng	98
18) Hexachloroethane	7.51	117	12426	1.72	ng	# 85
19) n-Nitroso-di-n-propylamine	7.40	70	28989	1.84	ng	# 92
20) 3+4-Methylphenols	7.40	107	36388	1.89	ng	# 48
22) Acetophenone	7.40	105	47150	1.90	ng	# 95
24) Nitrobenzene	7.57	77	42695	2.00	ng	# 88
25) Isophorone	7.81	82	68289	1.74	ng	# 94
26) 2-Nitrophenol	7.90	139	13970	1.52	ng	96
27) 2,4-Dimethylphenol	7.93	122	33716	1.89	ng	91
28) bis(2-Chloroethoxy)methane	8.03	93	44208	1.90	ng	# 93
29) 2,4-Dichlorophenol	8.14	162	22793	1.68	ng	93
30) 1,2,4-Trichlorobenzene	8.22	180	22661	1.62	ng	97
31) Naphthalene	8.31	128	95154	1.89	ng	96
32) Benzoic acid	7.93	122	33721	2.71	ng	# 18
33) 4-Chloroaniline	8.35	127	33532	1.61	ng	96
34) Hexachlorobutadiene	8.43	225	11537	1.47	ng	99
35) Caprolactam	8.67	113	7483	1.64	ng	88
36) 4-Chloro-3-methylphenol	8.83	107	31154	1.83	ng	99
37) 2-Methylnaphthalene	9.00	142	55403	1.81	ng	98
39) 1,2,4,5-Tetrachlorobenzene	9.17	216	23329	1.69	ng	# 97
40) Hexachlorocyclopentadiene	9.16	237	10121	1.34	ng	95
42) 2,4,6-Trichlorophenol	9.27	196	15257	1.60	ng	95

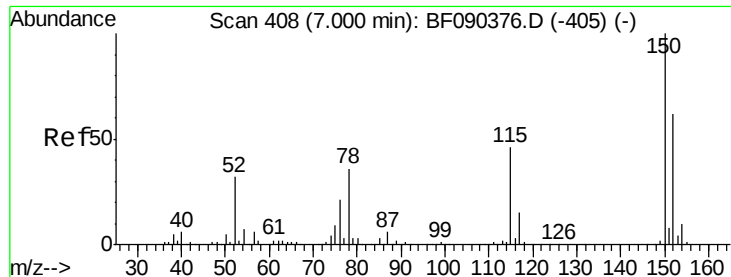
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100516\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	9.32	196	14193	1.58	ng	# 90
45) 1,1'-Biphenyl	9.47	154	79409	2.05	ng	95
46) 2-Chloronaphthalene	9.49	162	54289	1.89	ng	98
47) 2-Nitroaniline	9.58	65	20074	1.77	ng	93
48) Acenaphthylene	9.91	152	87802	1.86	ng	95
49) Dimethylphthalate	9.77	163	58562	1.75	ng	97
50) 2,6-Dinitrotoluene	9.82	165	12498	1.68	ng	89
51) Acenaphthene	10.09	154	52862	1.79	ng	96
52) 3-Nitroaniline	9.98	138	13861	1.59	ng	# 71
53) 2,4-Dinitrophenol	10.10	184	2091	0.63	ng	# 72
54) Dibenzofuran	10.26	168	70462	1.85	ng	98
55) 4-Nitrophenol	10.14	139	10831	1.42	ng	97
56) 2,4-Dinitrotoluene	10.22	165	15087	1.52	ng	# 22
57) Fluorene	10.60	166	61649	1.92	ng	98
58) 2,3,4,6-Tetrachlorophenol	10.37	232	10531	1.57	ng	# 83
59) Diethylphthalate	10.46	149	64499	1.86	ng	# 87
60) 4-Chlorophenyl-phenylether	10.59	204	24868	1.70	ng	# 87
61) 4-Nitroaniline	10.60	138	13961	1.59	ng	91
62) Azobenzene	10.75	77	72213	1.80	ng	87
64) 4,6-Dinitro-2-methylphenol	10.63	198	3670	6.04	ng	# 72
65) n-Nitrosodiphenylamine	10.70	169	49768	1.87	ng	98
66) 4-Bromophenyl-phenylether	11.08	248	14249	1.83	ng	# 78
67) Hexachlorobenzene	11.15	284	15963	1.84	ng	# 77
68) Atrazine	11.23	200	12427	1.89	ng	97
69) Pentachlorophenol	11.34	266	7142	1.38	ng	93
70) Phenanthrene	11.56	178	83909	2.06	ng	95
71) Anthracene	11.62	178	84427	2.03	ng	95
72) Carbazole	11.77	167	83887	2.17	ng	96
73) Di-n-butylphthalate	12.10	149	95061	2.02	ng	97
74) Fluoranthene	12.76	202	75700	1.89	ng	89
76) Benzidine	12.88	184	71529	4.08	ng	97
77) Pyrene	12.99	202	81541	1.83	ng	96
79) Butylbenzylphthalate	13.61	149	38072	1.67	ng	# 72
80) Benzo(a)anthracene	14.18	228	72557	1.94	ng	96
81) 3,3'-Dichlorobenzidine	14.14	252	20920	1.54	ng	# 97
82) Chrysene	14.21	228	65319	1.90	ng	96
83) Bis(2-ethylhexyl)phthalate	14.17	149	55331	1.70	ng	# 92
84) Di-n-octyl phthalate	14.80	149	86208	1.79	ng	99
85) Indeno(1,2,3-cd)pyrene	17.21	276	41537	1.69	ng	# 92
87) Benzo(b)fluoranthene	15.25	252	55663	1.76	ng	# 97
88) Benzo(k)fluoranthene	15.25	252	55663	1.87	ng	# 95
89) Benzo(a)pyrene	15.63	252	46047	1.69	ng	99
90) Dibenzo(a,h)anthracene	17.23	278	34513	1.49	ng	# 96
91) Benzo(g,h,i)perylene	17.65	276	33144	1.49	ng	96

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.00 min Scan# 408

Delta R.T. -0.00 min

Lab File: BF090385.D

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ClientSampleId :

LOD-SOIL2016-01-QT4

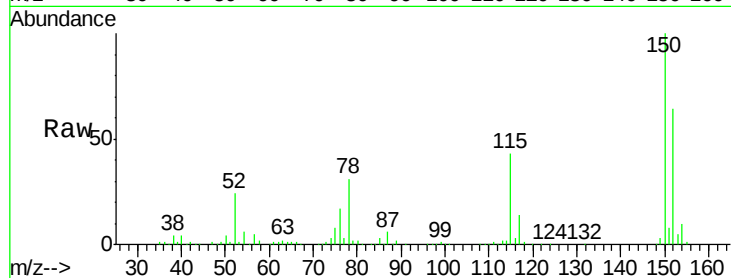
Tgt Ion:152 Resp: 245249

Ion Ratio Lower Upper

152 100

150 155.3 124.6 186.8

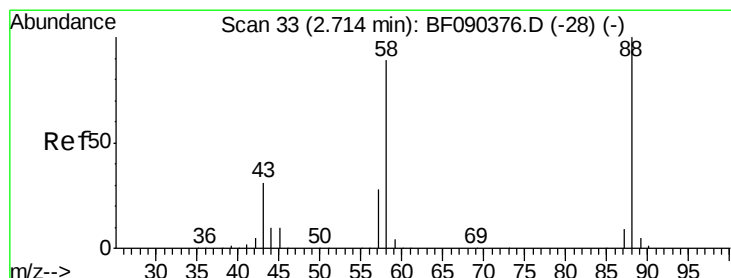
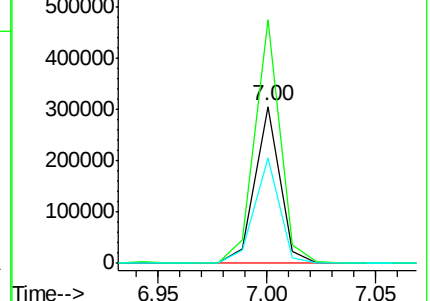
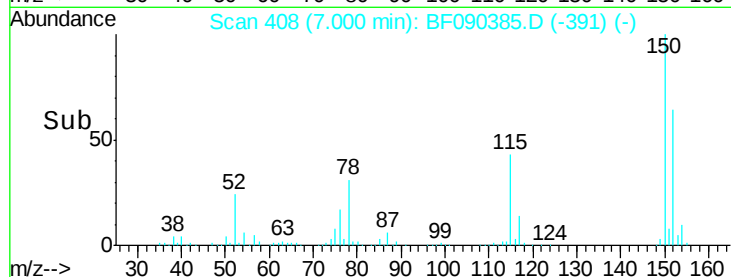
115 66.8 46.2 69.4



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: 1.83 ng

RT: 2.83 min Scan# 43

Delta R.T. 0.11 min

Lab File: BF090385.D

Acq: 5 Oct 2016 16:57

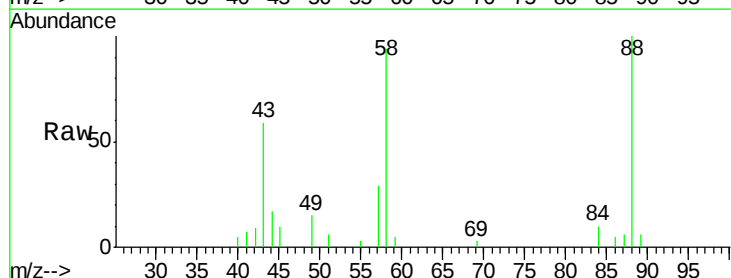
Tgt Ion: 88 Resp: 14839

Ion Ratio Lower Upper

88 100

58 85.7 71.2 106.8

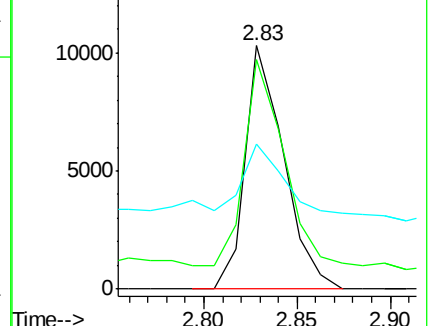
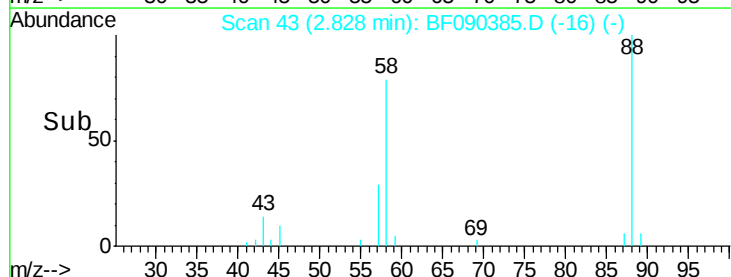
43 31.7 29.8 44.6

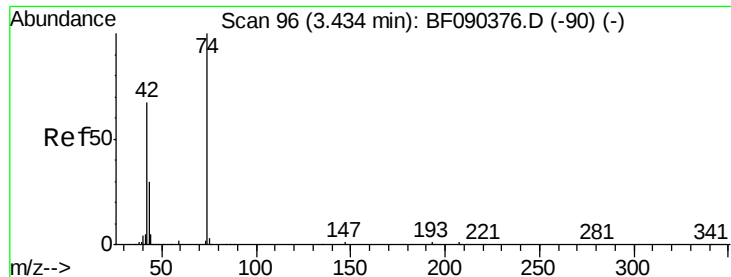


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#4

n-Nitrosodimethylamine

Concen: 0.05 ng

RT: 3.41 min Scan# 94

Delta R.T. -0.02 min

Lab File: BF090385.D

Acq: 5 Oct 2016 16:57

Instrument :

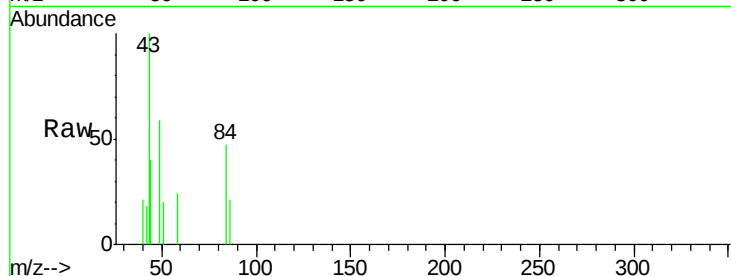
BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

Tgt Ion: 42 Resp: 511

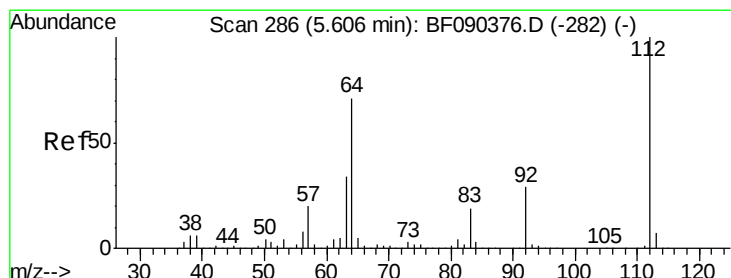
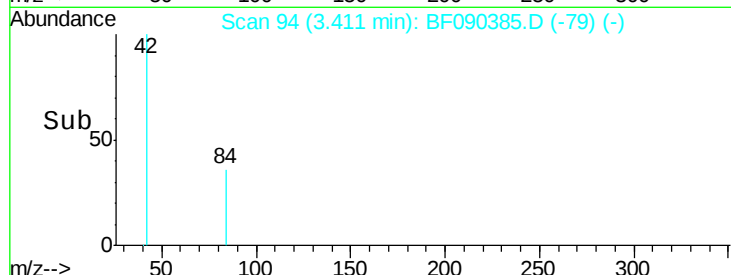
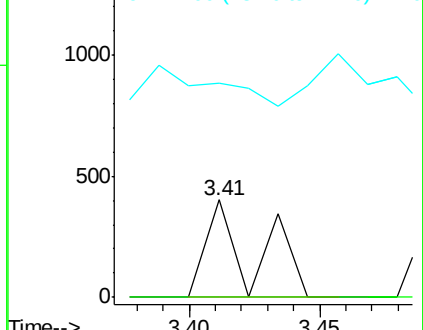
Ion	Ratio	Lower	Upper
42	100		
74	0.0	88.9	133.3#
44	219.2	6.5	9.7#



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: 118.88 ng

RT: 5.62 min Scan# 287

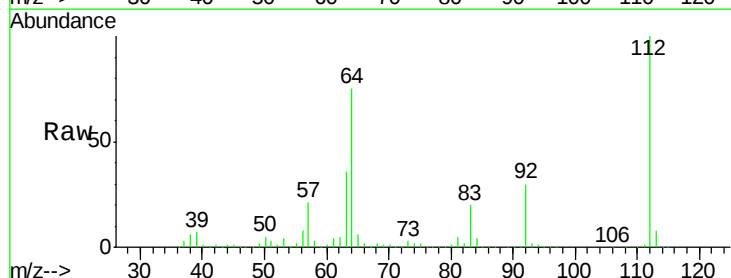
Delta R.T. 0.01 min

Lab File: BF090385.D

Acq: 5 Oct 2016 16:57

Tgt Ion: 112 Resp: 1953541

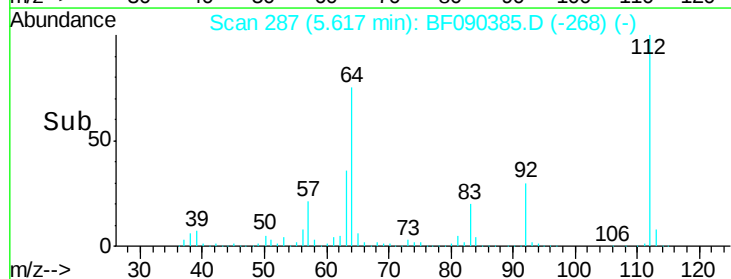
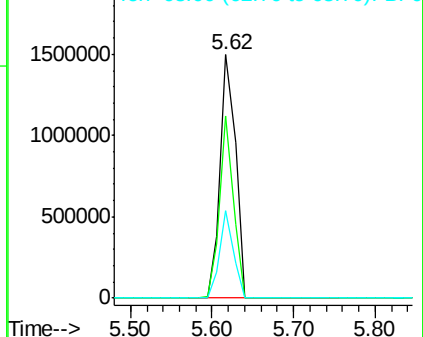
Ion	Ratio	Lower	Upper
112	100		
64	74.8	57.9	86.9
63	36.0	29.6	44.4

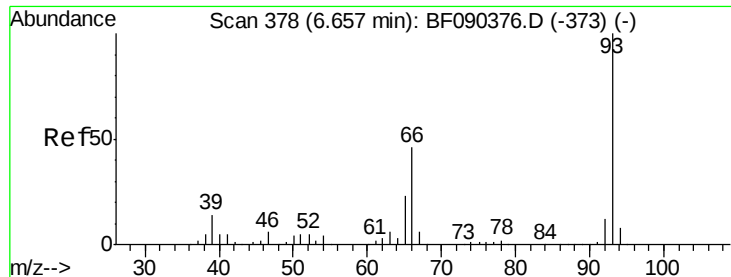


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 1.71 ng

RT: 6.66 min Scan# 378

Delta R.T. -0.00 min

Lab File: BF090385.D

Acq: 5 Oct 2016 16:57

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

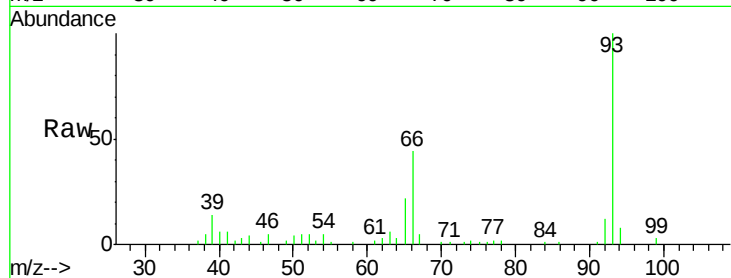
Tgt Ion: 93 Resp: 50785

Ion Ratio Lower Upper

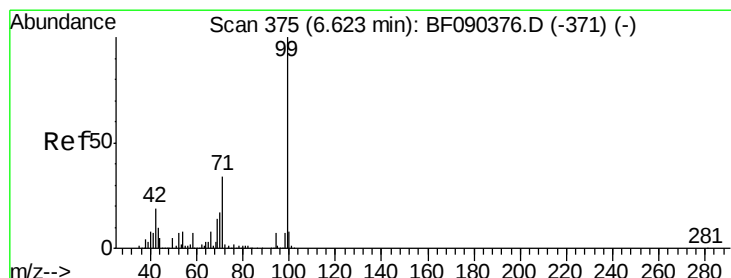
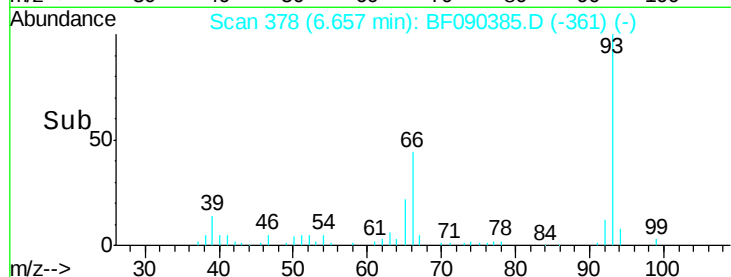
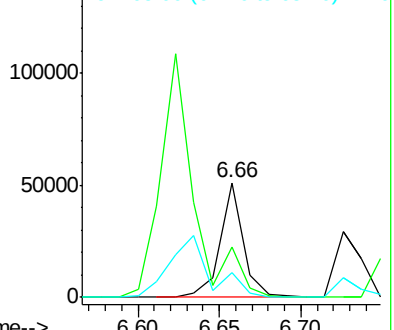
93 100

66 44.2 34.5 51.7

65 21.8 18.2 27.2



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: 105.67 ng

RT: 6.62 min Scan# 375

Delta R.T. -0.00 min

Lab File: BF090385.D

Acq: 5 Oct 2016 16:57

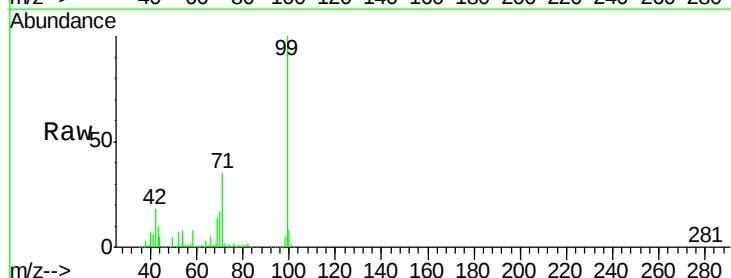
Tgt Ion: 99 Resp: 2274337

Ion Ratio Lower Upper

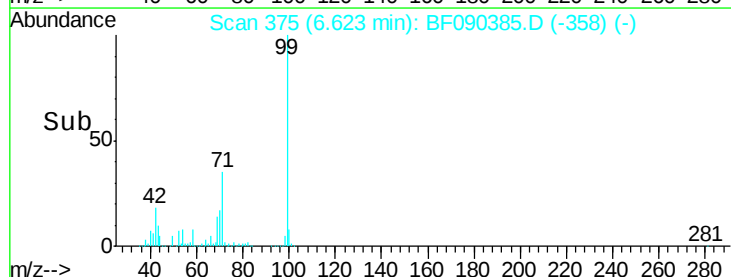
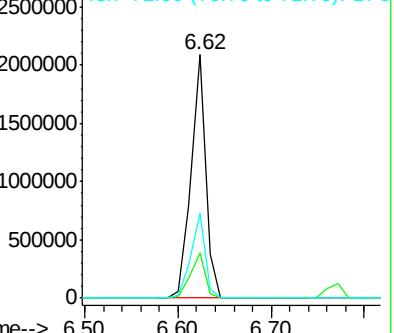
99 100

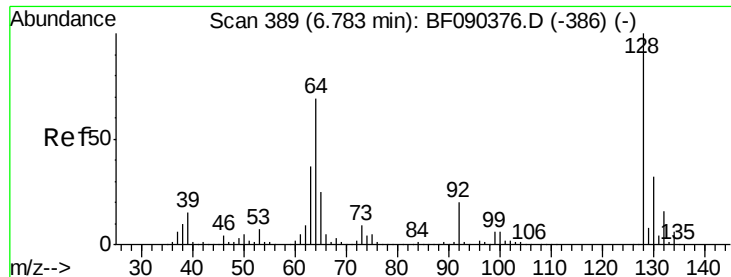
42 18.3 20.0 30.0#

71 34.9 27.9 41.9



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

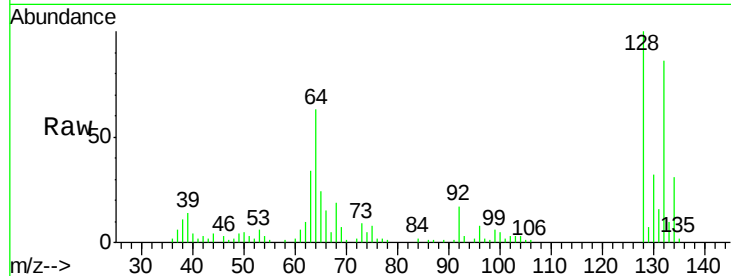




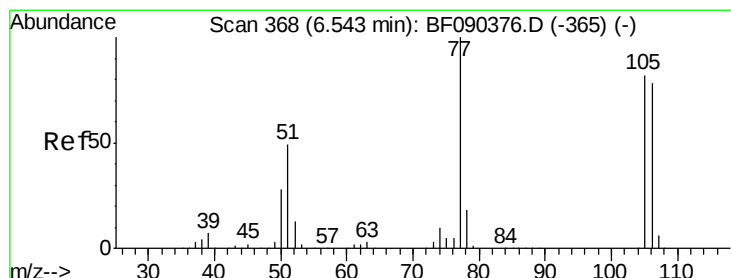
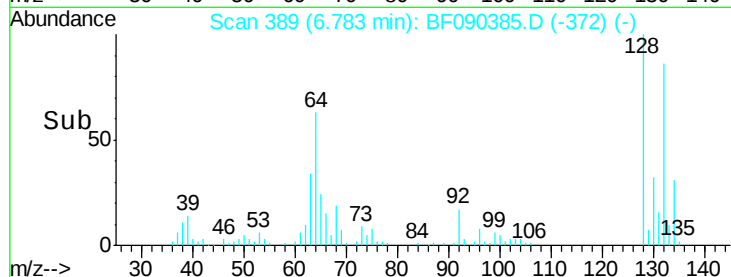
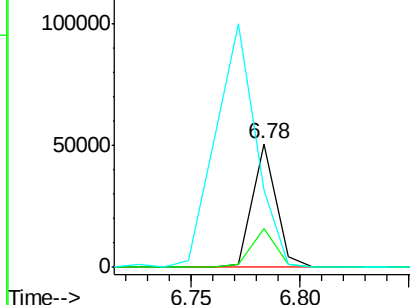
#8
2-Chlorophenol
Concen: 2.13 ng
RT: 6.78 min Scan# 389
Delta R.T. -0.00 min
Lab File: BF090385.D
Acq: 5 Oct 2016 16:57

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LOD-SOIL2016-01-QT4

Tgt Ion: 128 Resp: 38557
Ion Ratio Lower Upper
128 100
130 32.0 13.3 53.3
64 63.1 36.0 76.0

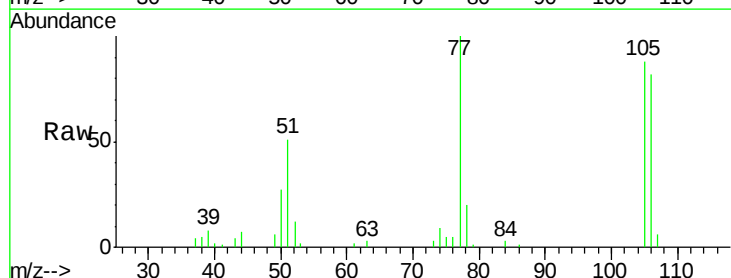


Abundance Ion 128.00 (127.70 to 128.70): B
Ion 130.00 (129.70 to 130.70): B
Ion 64.00 (63.70 to 64.70): B

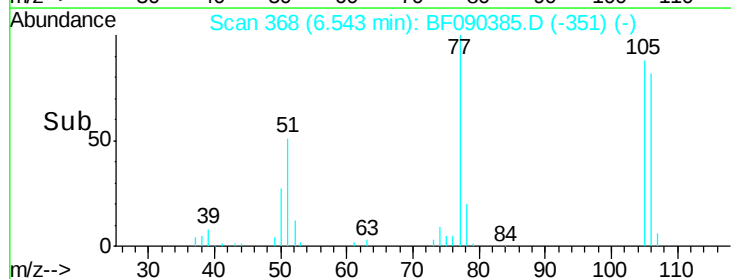
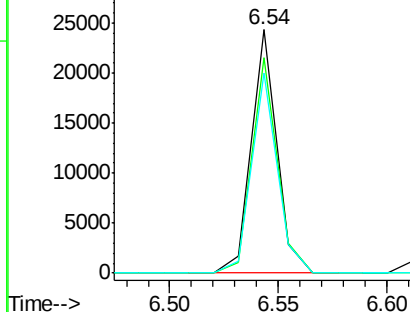


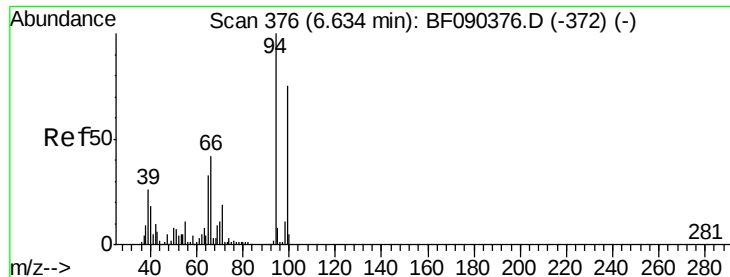
#9
Benzaldehyde
Concen: 1.82 ng
RT: 6.54 min Scan# 368
Delta R.T. -0.00 min
Lab File: BF090385.D
Acq: 5 Oct 2016 16:57

Tgt Ion: 77 Resp: 19790
Ion Ratio Lower Upper
77 100
105 88.2 73.1 113.1
106 82.4 70.2 110.2



Abundance Ion 77.00 (76.70 to 77.70): B
Ion 105.00 (104.70 to 105.70): B
Ion 106.00 (105.70 to 106.70): B





#10

Phenol

Concen: 2.58 ng

RT: 6.63 min Scan# 376

Delta R.T. -0.00 min

Lab File: BF090385.D

Acq: 5 Oct 2016 16:57

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

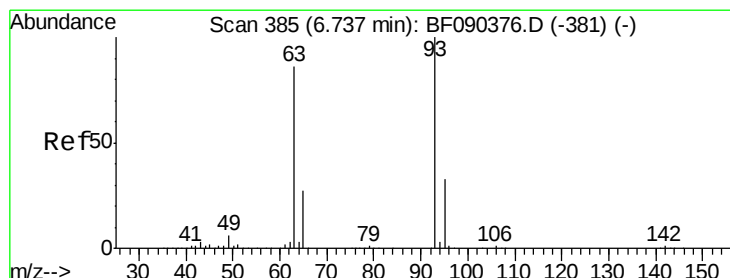
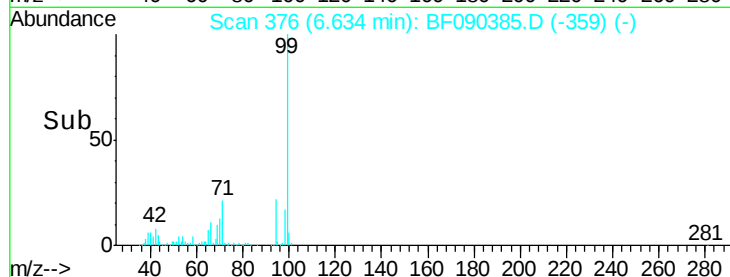
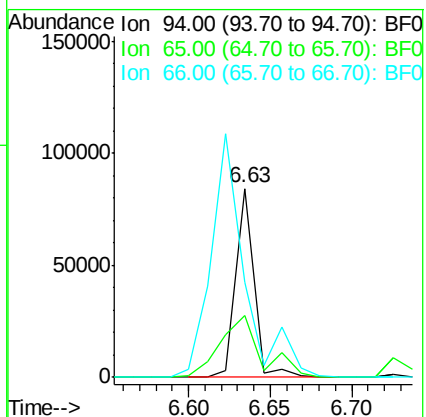
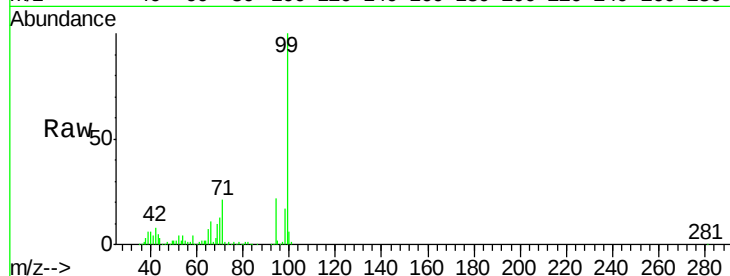
Tgt Ion: 94 Resp: 64478

Ion Ratio Lower Upper

94 100

65 32.8 13.3 53.3

66 50.3 20.4 60.4



#11

bis(2-Chloroethyl)ether

Concen: 1.74 ng

RT: 6.73 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF090385.D

Acq: 5 Oct 2016 16:57

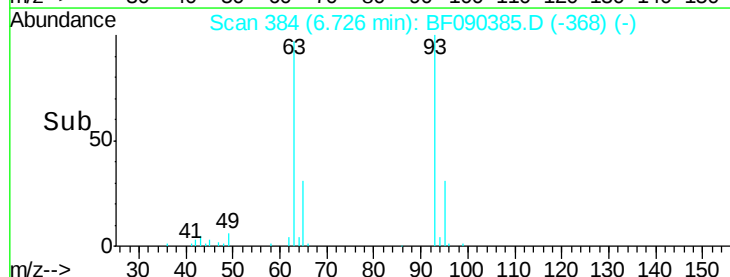
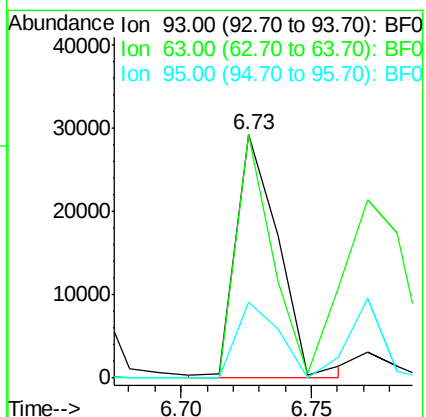
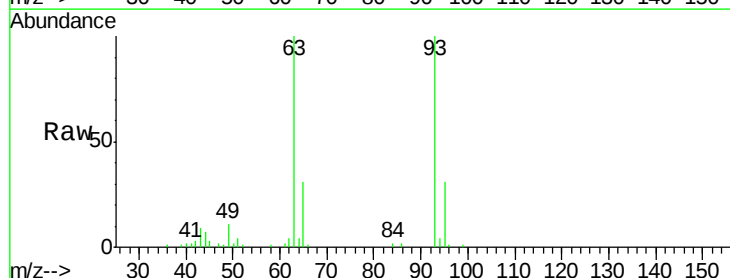
Tgt Ion: 93 Resp: 33413

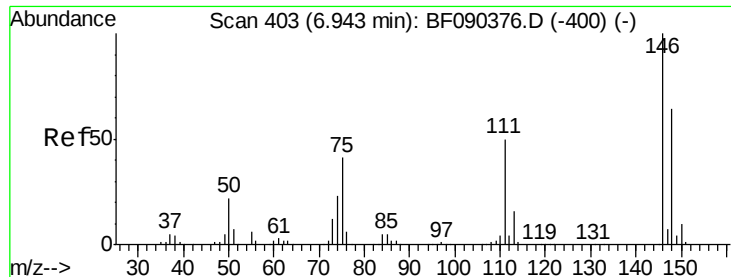
Ion Ratio Lower Upper

93 100

63 99.8 59.7 99.7#

95 31.2 14.0 54.0

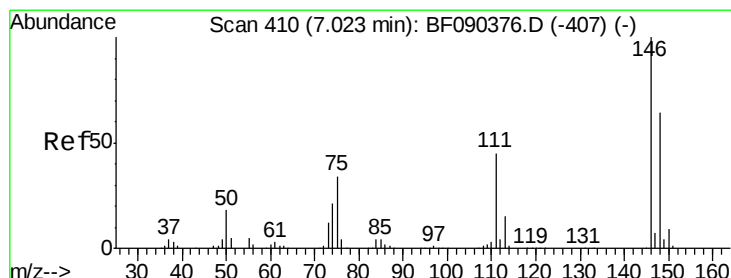
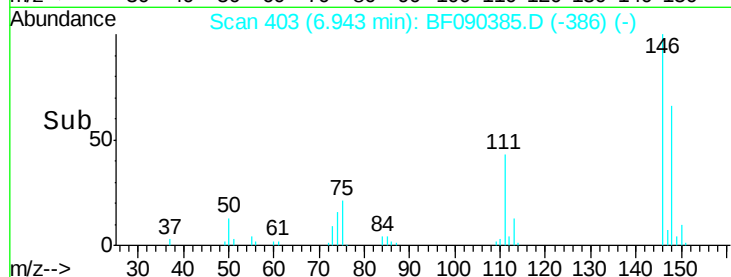
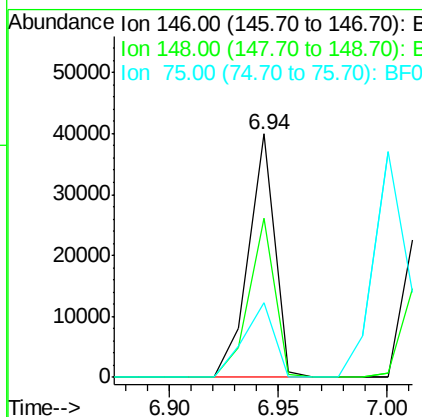
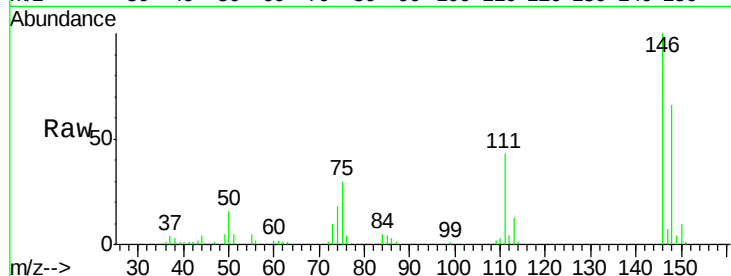




#12
 1,3-Dichlorobenzene
 Concen: 1.86 ng
 RT: 6.94 min Scan# 403
 Delta R.T. -0.00 min
 Lab File: BF090385.D
 Acq: 5 Oct 2016 16:57

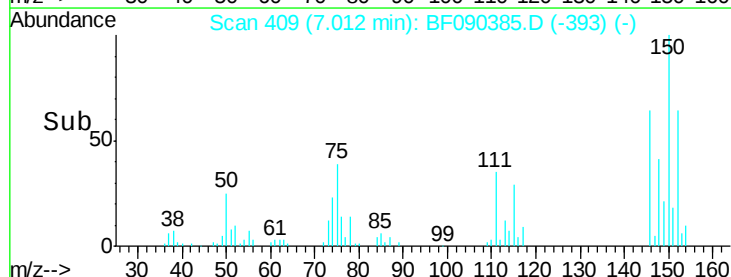
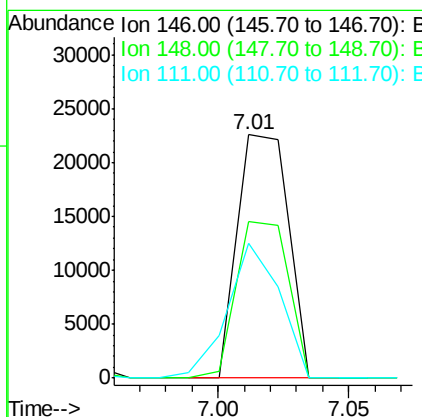
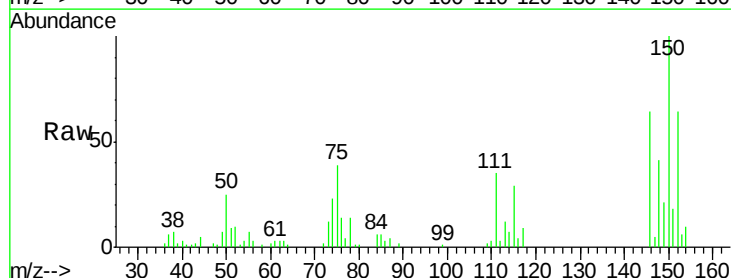
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01-QT4

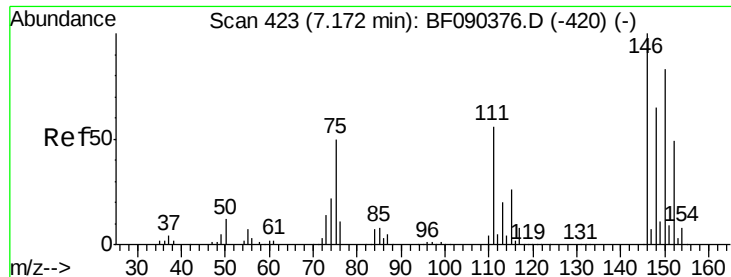
Tgt Ion:146 Resp: 33582
 Ion Ratio Lower Upper
 146 100
 148 65.6 52.2 78.4
 75 30.4 21.4 32.2



#13
 1,4-Dichlorobenzene
 Concen: 1.68 ng
 RT: 7.01 min Scan# 409
 Delta R.T. -0.01 min
 Lab File: BF090385.D
 Acq: 5 Oct 2016 16:57

Tgt Ion:146 Resp: 30702
 Ion Ratio Lower Upper
 146 100
 148 64.3 51.1 76.7
 111 55.6 37.8 56.6





#14

1,2-Dichlorobenzene

Concen: 1.98 ng

RT: 7.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: BF090385.D

Acq: 5 Oct 2016 16:57

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

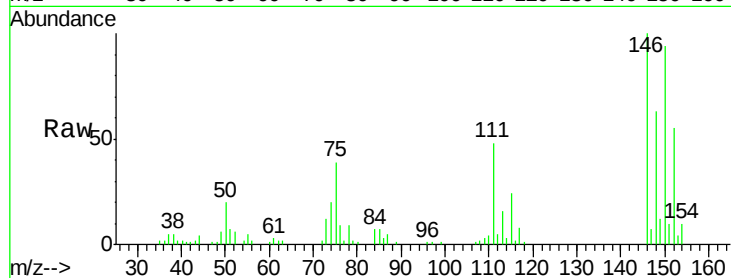
Tgt Ion:146 Resp: 34885

Ion Ratio Lower Upper

146 100

148 63.2 52.3 78.5

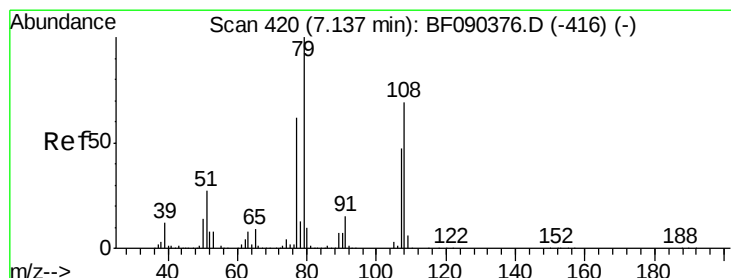
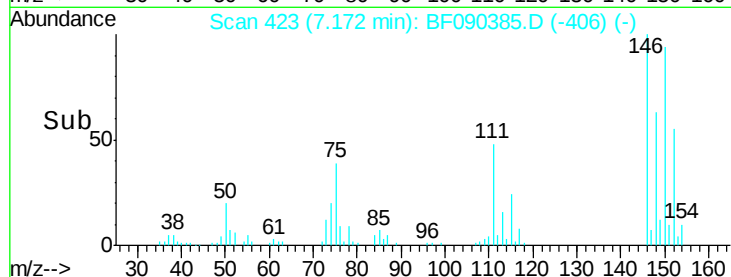
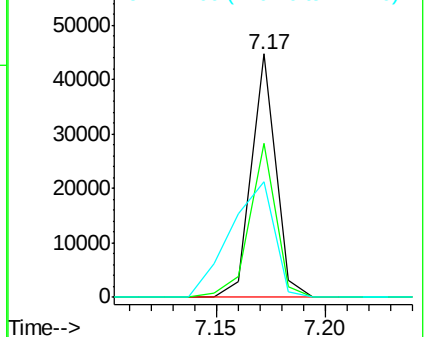
111 47.6 38.2 57.4



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#15

Benzyl Alcohol

Concen: 3.44 ng

RT: 7.16 min Scan# 422

Delta R.T. 0.02 min

Lab File: BF090385.D

Acq: 5 Oct 2016 16:57

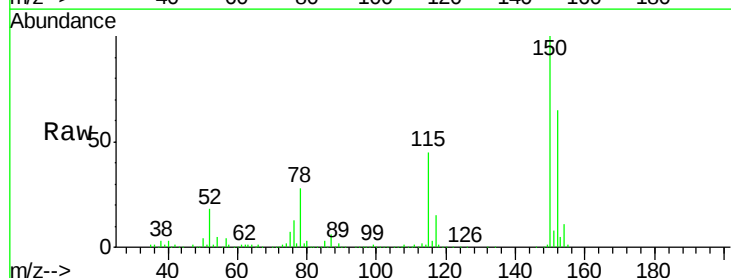
Tgt Ion: 79 Resp: 56258

Ion Ratio Lower Upper

79 100

108 29.2 60.9 91.3#

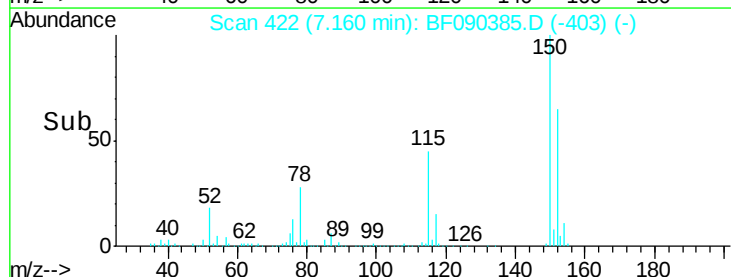
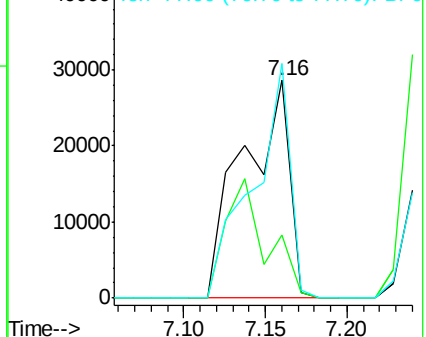
77 107.5 51.5 77.3#

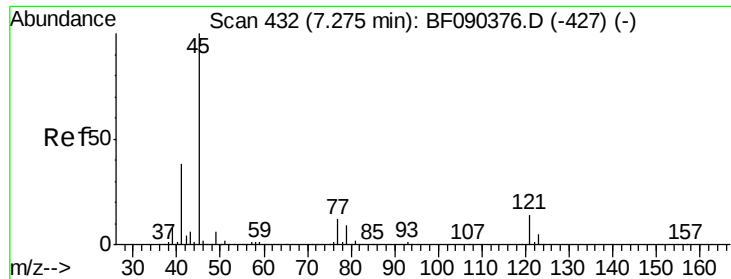


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

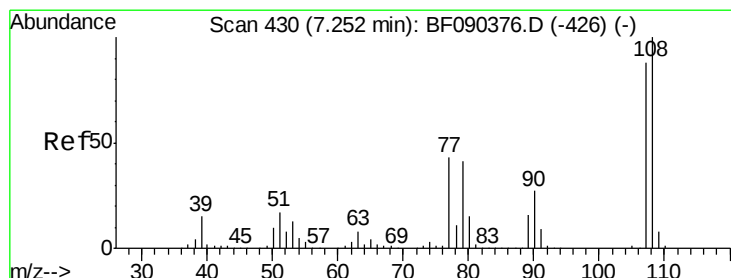
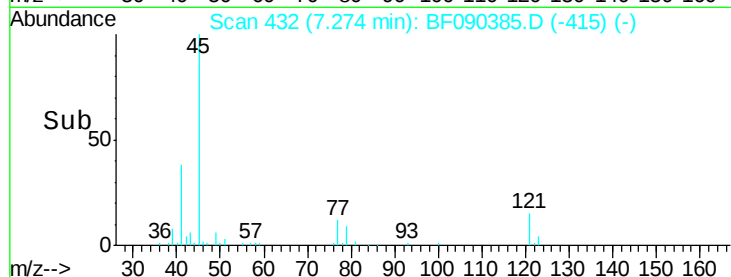
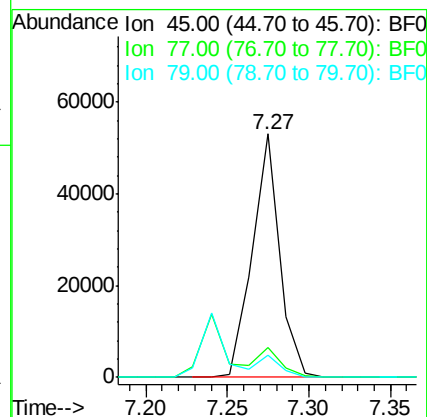
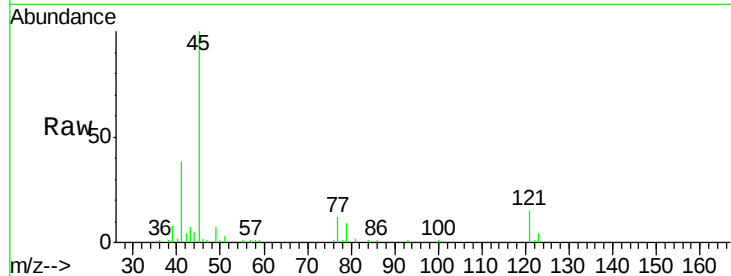




#16
2,2'-oxybis(1-chloropropane)
Concen: 1.89 ng
RT: 7.27 min Scan# 432
Delta R.T. -0.00 min
Lab File: BF090385.D
Acq: 5 Oct 2016 16:57

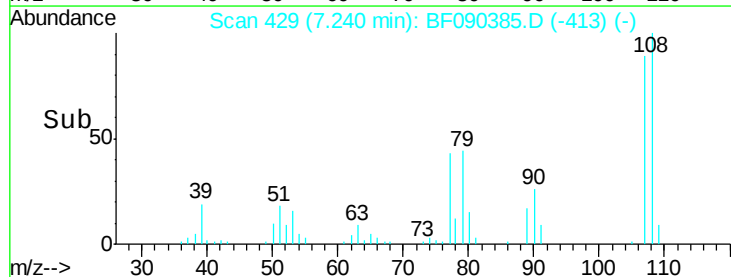
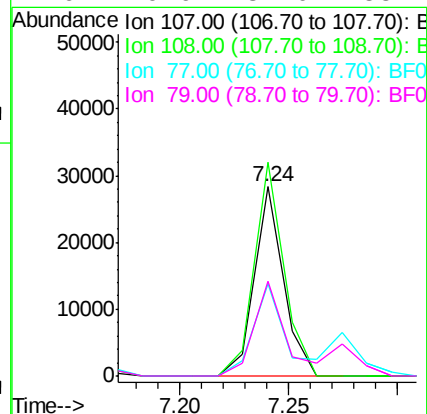
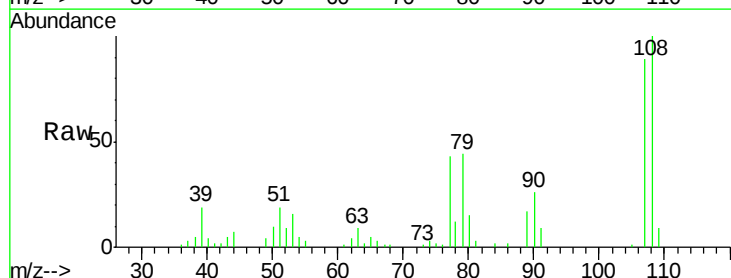
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01-QT4

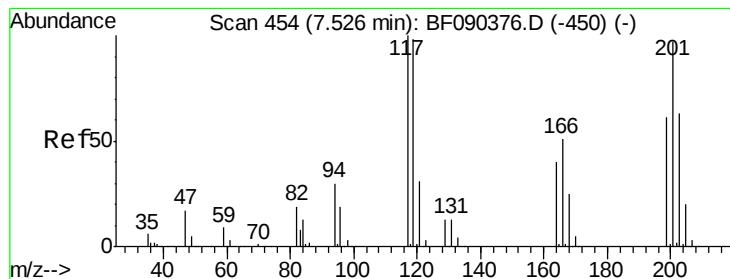
Tgt Ion: 45 Resp: 61362
Ion Ratio Lower Upper
45 100
77 12.2 0.0 30.8
79 9.0 0.0 28.2



#17
2-Methylphenol
Concen: 1.77 ng
RT: 7.24 min Scan# 429
Delta R.T. -0.01 min
Lab File: BF090385.D
Acq: 5 Oct 2016 16:57

Tgt Ion: 107 Resp: 26334
Ion Ratio Lower Upper
107 100
108 112.9 90.9 136.3
77 48.7 38.2 57.4
79 49.9 37.0 55.4





#18

Hexachloroethane

Concen: 1.72 ng

RT: 7.51 min Scan# 453

Delta R.T. -0.01 min

Lab File: BF090385.D

Acq: 5 Oct 2016 16:57

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

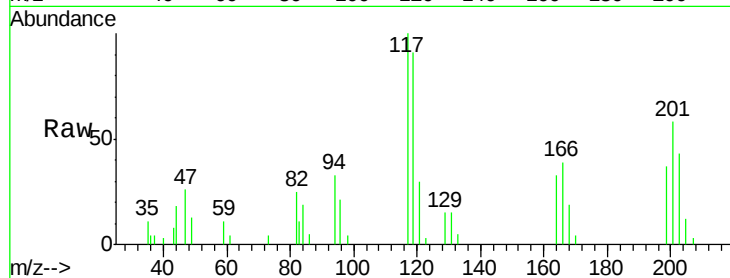
Tgt Ion: 117 Resp: 12426

Ion Ratio Lower Upper

117 100

119 90.7 75.9 113.9

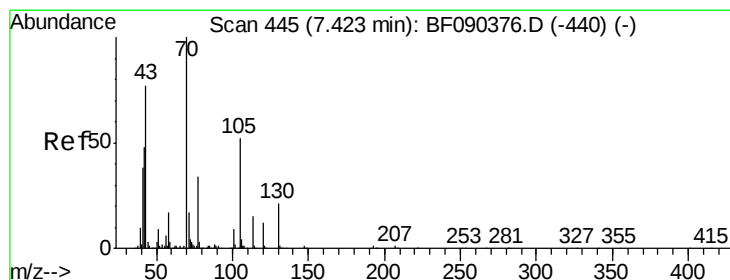
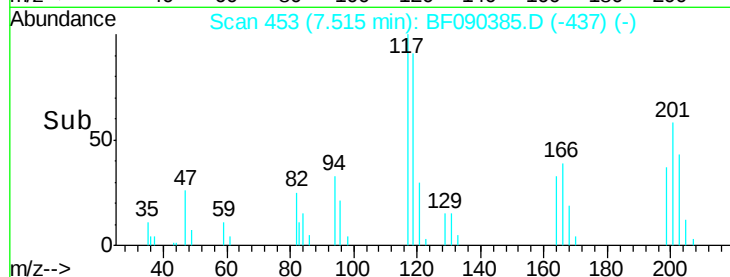
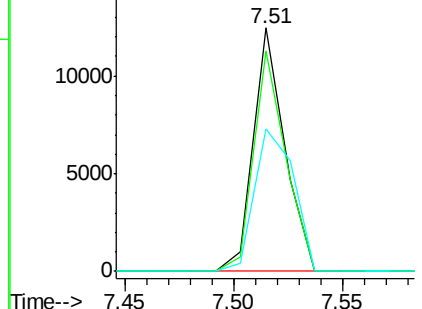
201 58.5 66.5 99.7#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#19

n-Nitroso-di-n-propylamine

Concen: 1.84 ng

RT: 7.40 min Scan# 443

Delta R.T. -0.02 min

Lab File: BF090385.D

Acq: 5 Oct 2016 16:57

Tgt Ion: 70 Resp: 28989

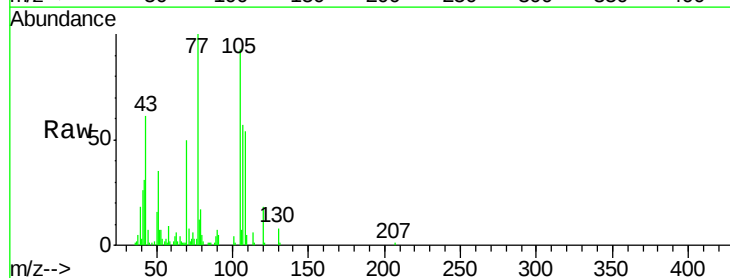
Ion Ratio Lower Upper

70 100

42 62.8 55.4 83.2

101 7.6 7.6 11.4#

130 15.4 16.5 24.7#

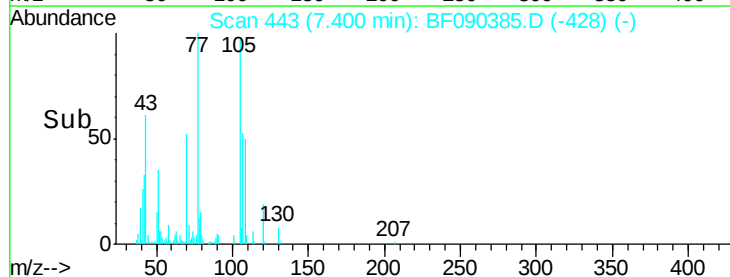
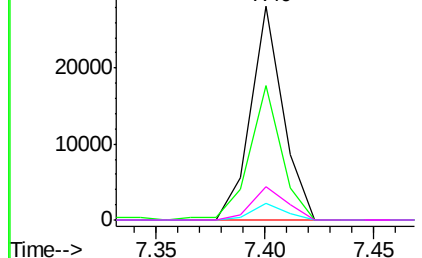


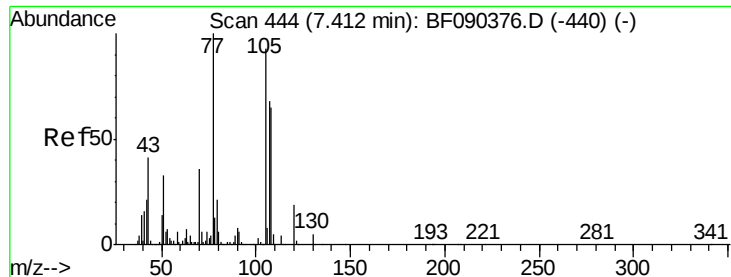
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#20

3+4-Methylphenols

Concen: 1.89 ng

RT: 7.40 min Scan# 443

Delta R.T. -0.01 min

Lab File: BF090385.D

Acq: 5 Oct 2016 16:57

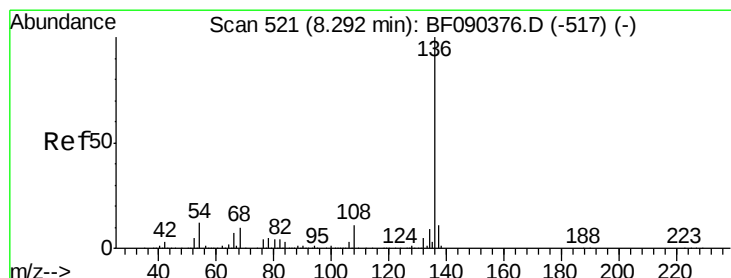
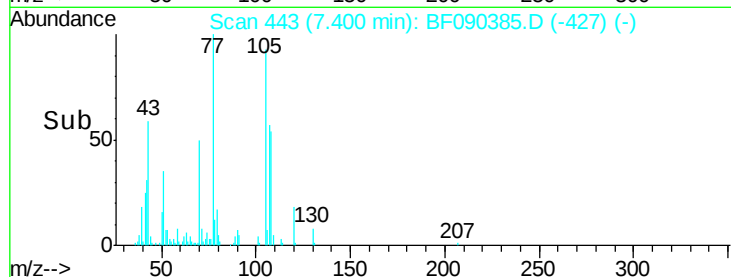
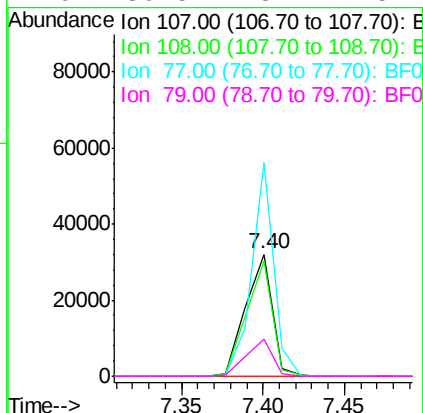
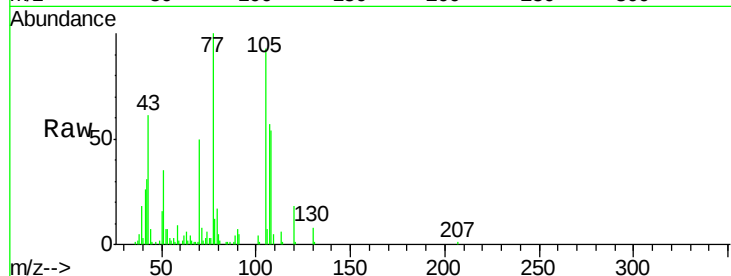
Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

Tgt Ion:	107	Resp:	36388
Ion	Ratio	Lower	Upper
107	100		
108	95.0	66.7	106.7
77	175.3	53.7	93.7#
79	30.5	8.4	48.4



#21

Naphthalene-d8

Concen: 20.00 ng

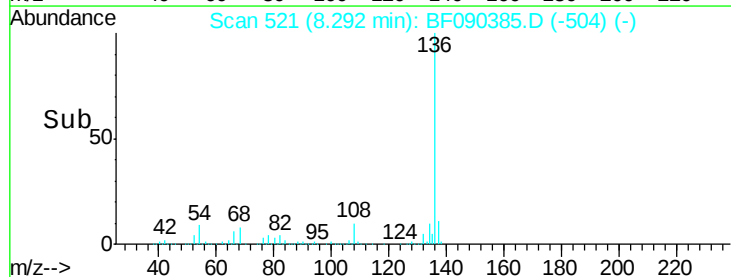
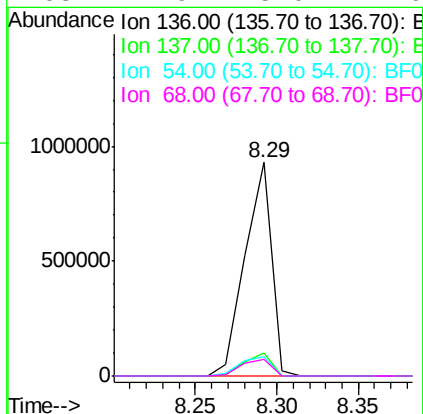
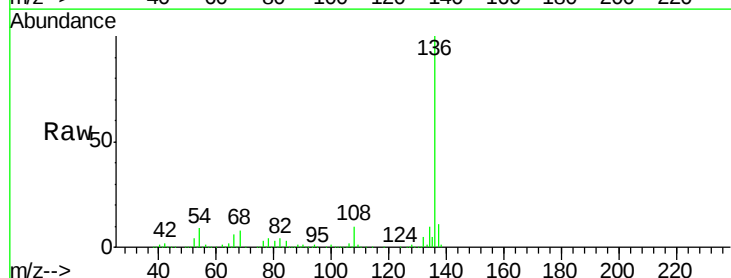
RT: 8.29 min Scan# 521

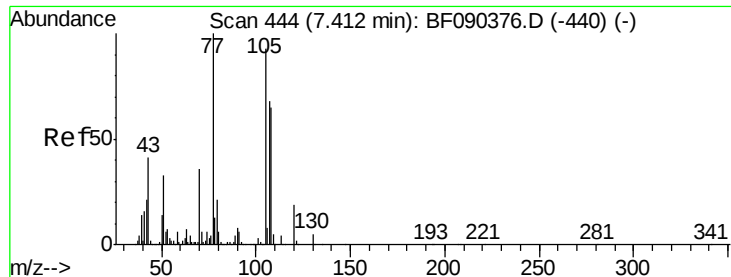
Delta R.T. -0.00 min

Lab File: BF090385.D

Acq: 5 Oct 2016 16:57

Tgt Ion:	136	Resp:	1045850
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.6
54	9.3	6.6	10.0
68	7.9	5.0	7.6#





#22

Acetophenone

Concen: 1.90 ng

RT: 7.40 min Scan# 443

Delta R.T. -0.01 min

Lab File: BF090385.D

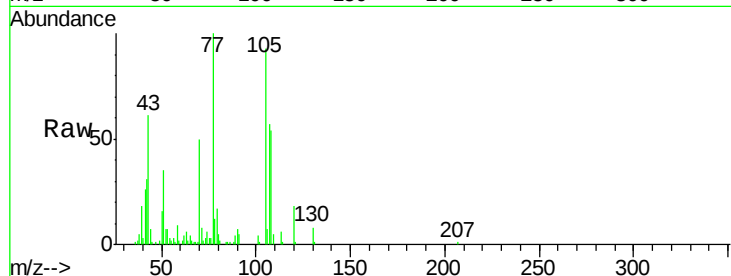
Acq: 5 Oct 2016 16:57

Instrument :

BNA_F

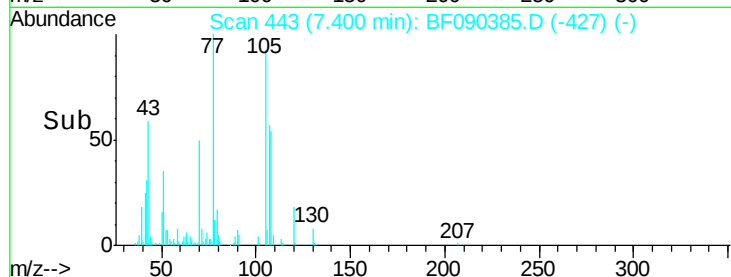
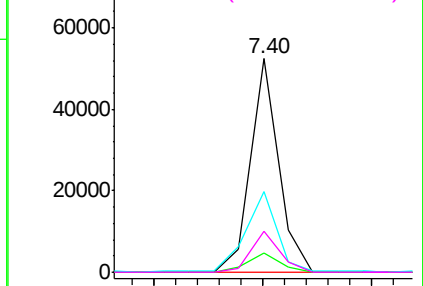
ClientSampleId :

LOD-SOIL2016-01-QT4



Tgt Ion:	105	Resp:	47150
Ion Ratio	Lower	Upper	
105	100		
71	9.0	3.8	5.6#
51	37.9	28.2	42.4
120	19.4	17.4	26.2

Abundance Ion 105.00 (104.70 to 105.70): E



#23

Nitrobenzene-d5

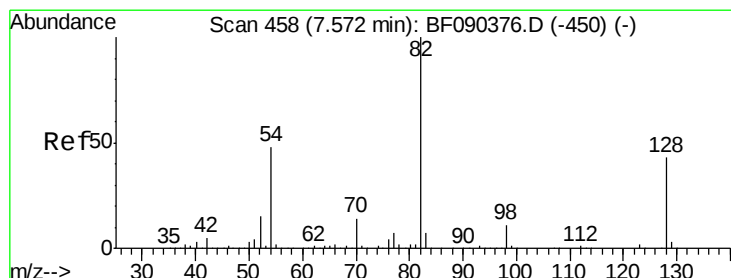
Concen: 74.80 ng

RT: 7.56 min Scan# 457

Delta R.T. -0.01 min

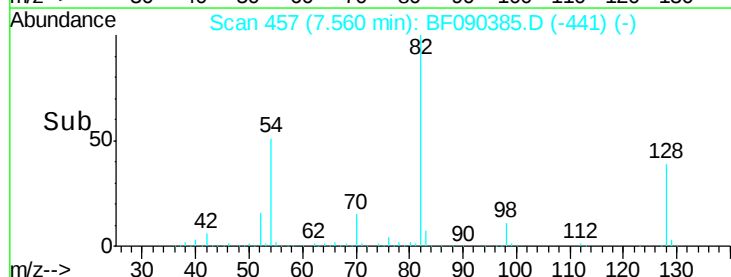
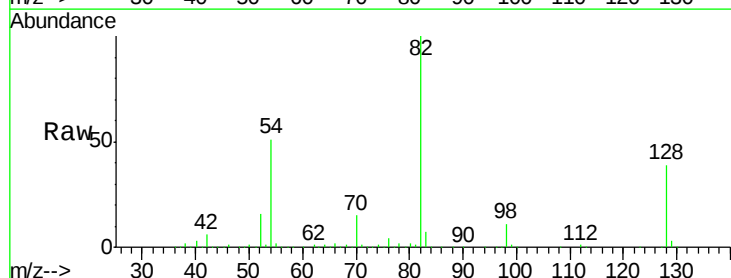
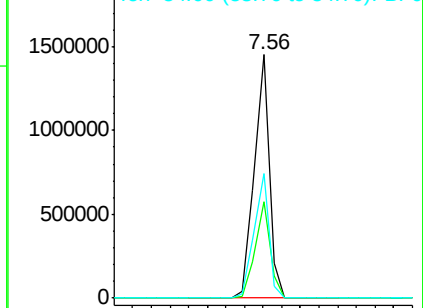
Lab File: BF090385.D

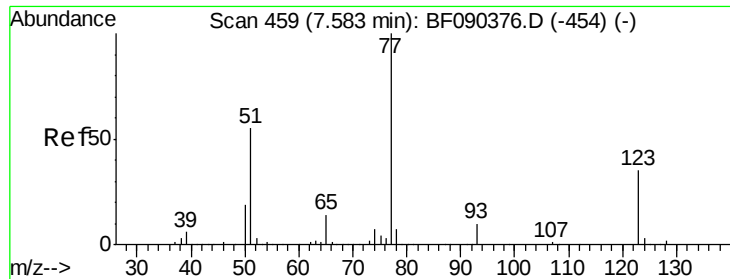
Acq: 5 Oct 2016 16:57



Tgt Ion:	82	Resp:	1608335
Ion Ratio	Lower	Upper	
82	100		
128	39.5	40.0	60.0#
54	51.2	42.6	64.0

Abundance Ion 82.00 (81.70 to 82.70): BF0

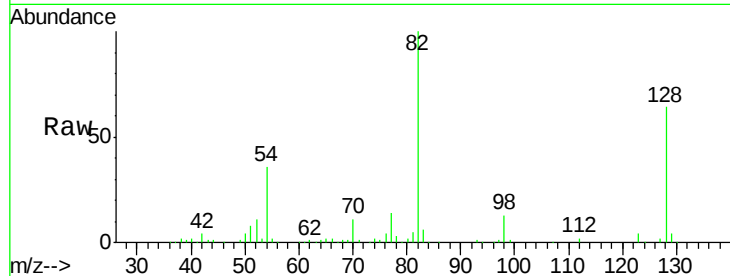




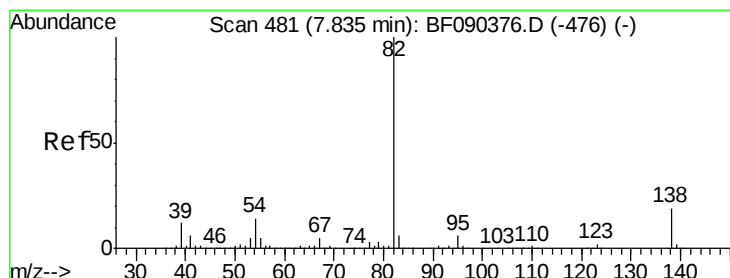
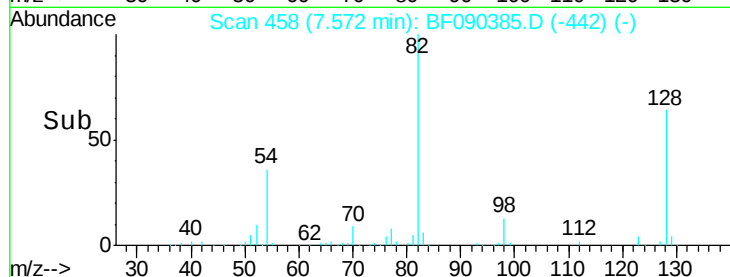
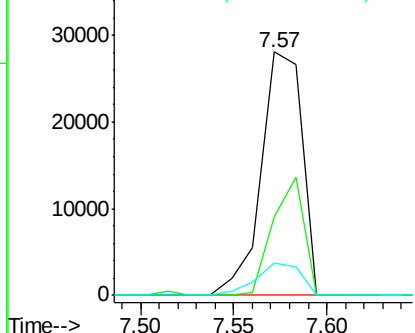
#24
 Nitrobenzene
 Concen: 2.00 ng
 RT: 7.57 min Scan# 458
 Delta R.T. -0.01 min
 Lab File: BF090385.D
 Acq: 5 Oct 2016 16:57

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01-QT4

Tgt Ion	Ratio	Lower	Upper
77	100		
123	32.4	33.0	49.4#
65	13.1	12.0	18.0

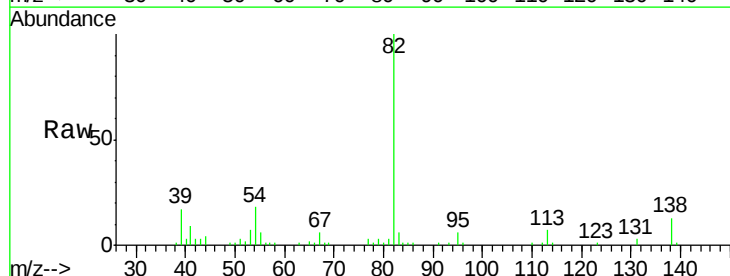


Abundance Ion 77.00 (76.70 to 77.70): BF0
 Ion 123.00 (122.70 to 123.70): BF0
 Ion 65.00 (64.70 to 65.70): BF0

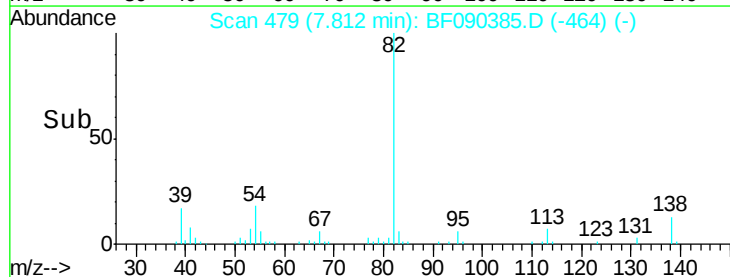
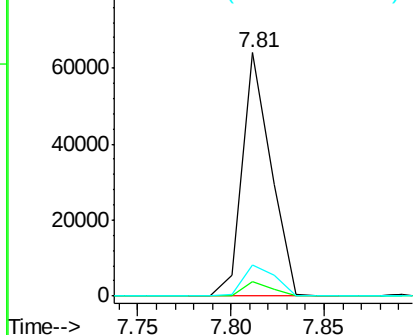


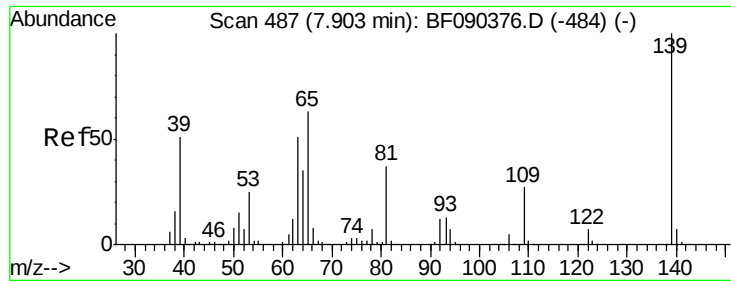
#25
 Isophorone
 Concen: 1.74 ng
 RT: 7.81 min Scan# 479
 Delta R.T. -0.02 min
 Lab File: BF090385.D
 Acq: 5 Oct 2016 16:57

Tgt Ion	Ratio	Lower	Upper
82	100		
95	6.0	5.2	7.8
138	12.8	13.0	19.4#



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

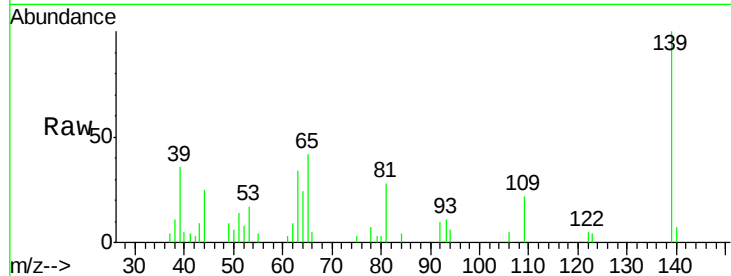




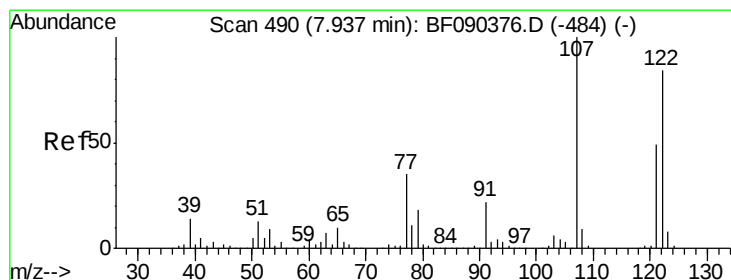
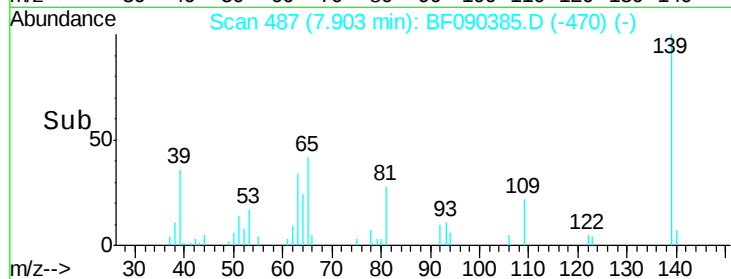
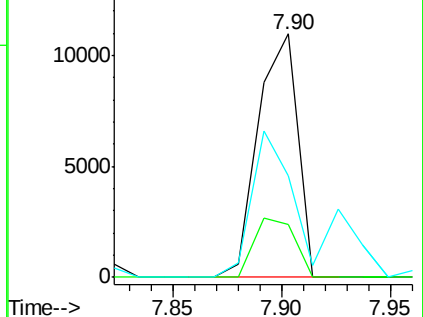
#26
2-Nitrophenol
Concen: 1.52 ng
RT: 7.90 min Scan# 487
Delta R.T. -0.00 min
Lab File: BF090385.D
Acq: 5 Oct 2016 16:57

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01-QT4

Tgt Ion	Ratio	Lower	Upper
139	100		
109	21.6	18.9	28.3
65	41.5	31.6	47.4

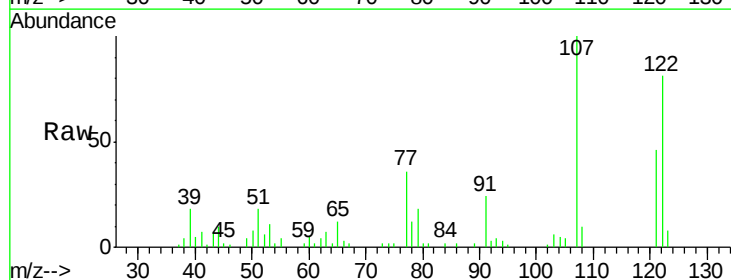


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): E

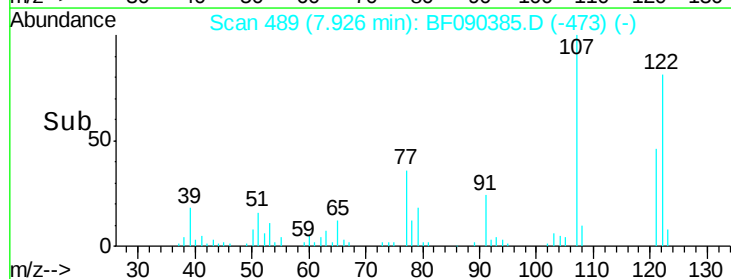
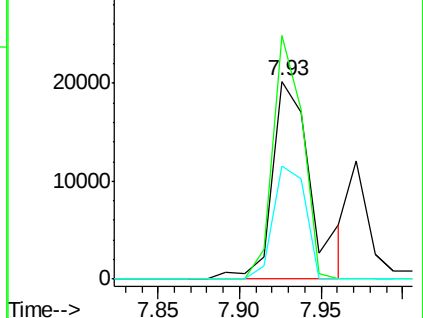


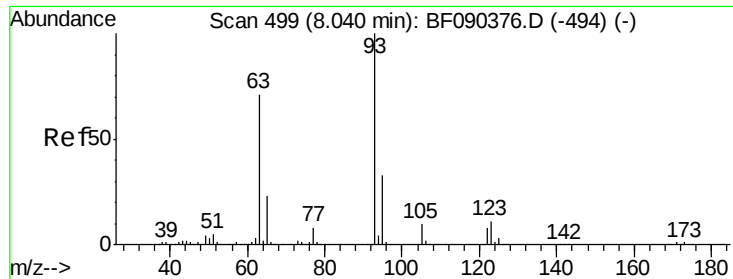
#27
2,4-Dimethylphenol
Concen: 1.89 ng
RT: 7.93 min Scan# 489
Delta R.T. -0.01 min
Lab File: BF090385.D
Acq: 5 Oct 2016 16:57

Tgt Ion	Ratio	Lower	Upper
122	100		
107	122.9	88.6	132.8
121	57.1	47.5	71.3



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

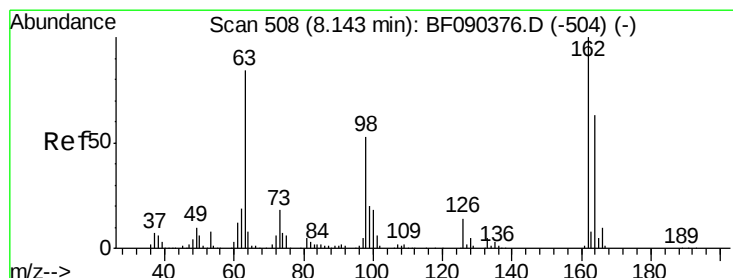
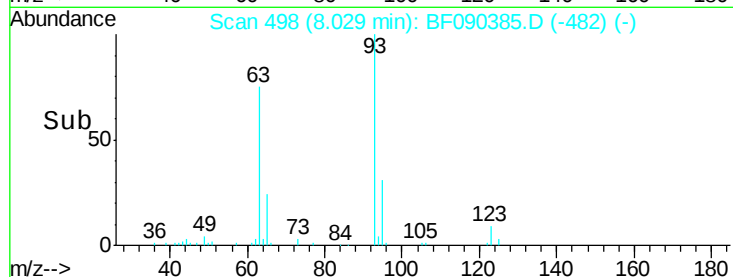
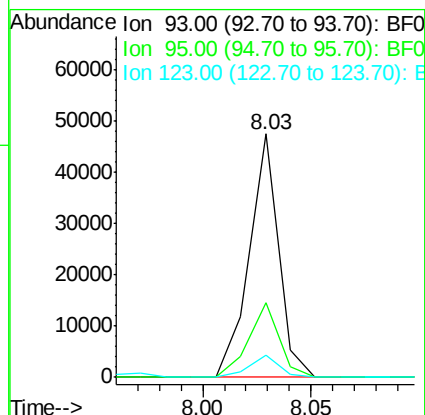
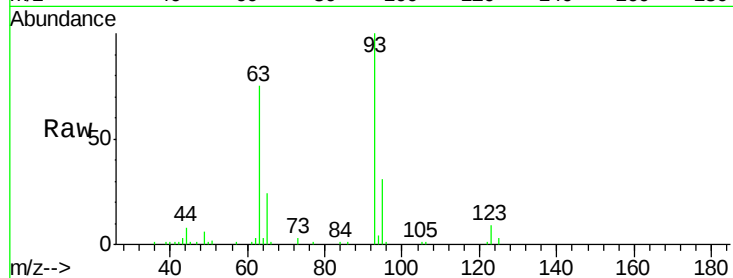




#28
bis(2-Chloroethoxy)methane
Concen: 1.90 ng
RT: 8.03 min Scan# 498
Delta R.T. -0.01 min
Lab File: BF090385.D
Acq: 5 Oct 2016 16:57

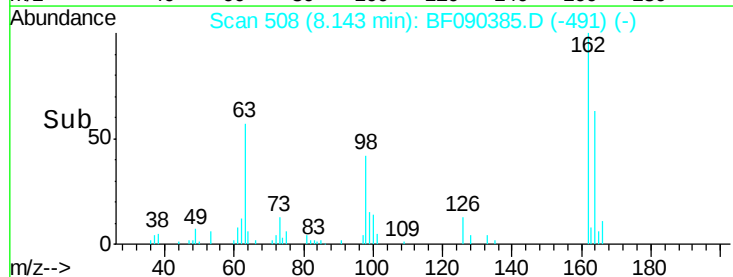
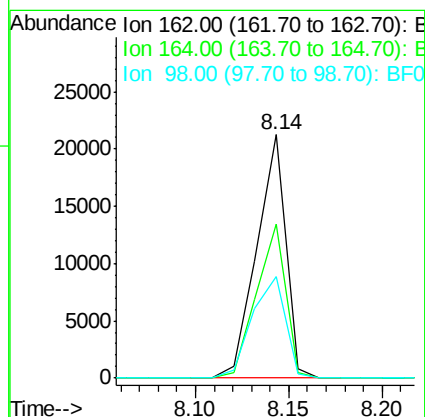
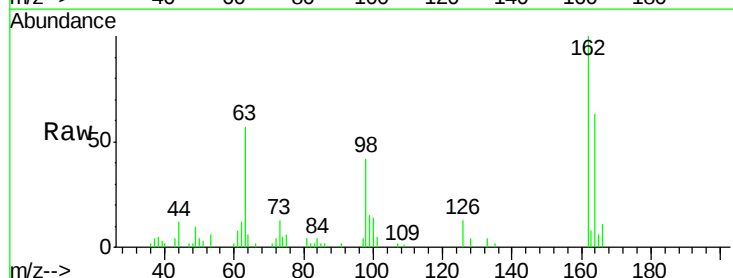
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01-QT4

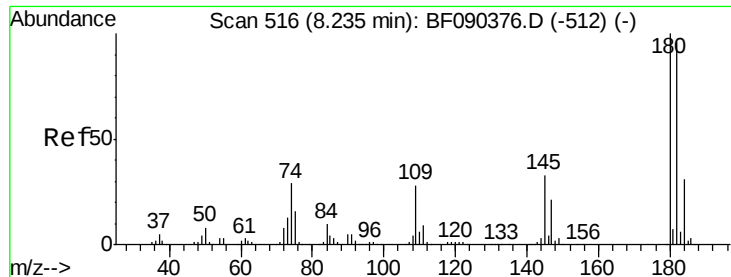
Tgt Ion: 93 Resp: 44208
Ion Ratio Lower Upper
93 100
95 30.8 27.0 40.4
123 8.9 11.1 16.7#



#29
2,4-Dichlorophenol
Concen: 1.68 ng
RT: 8.14 min Scan# 508
Delta R.T. -0.00 min
Lab File: BF090385.D
Acq: 5 Oct 2016 16:57

Tgt Ion: 162 Resp: 22793
Ion Ratio Lower Upper
162 100
164 63.4 45.7 85.7
98 41.7 13.3 53.3

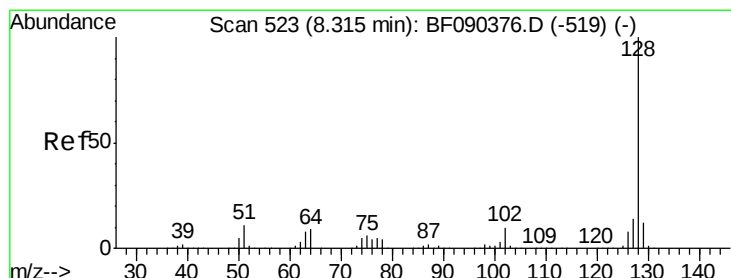
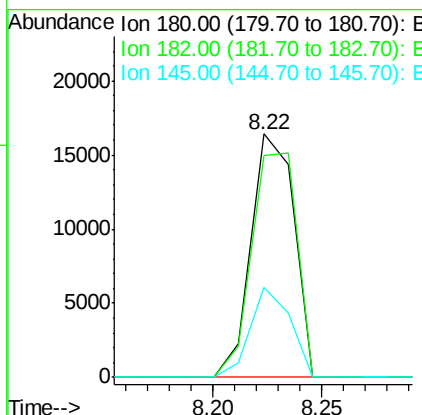
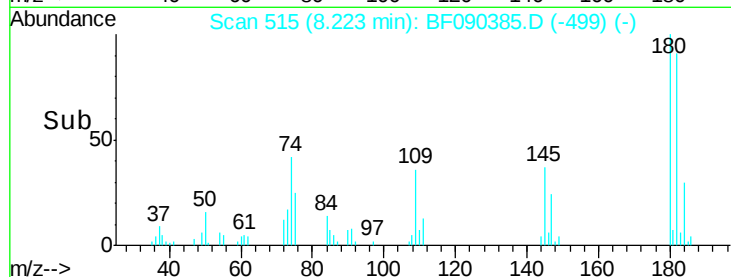
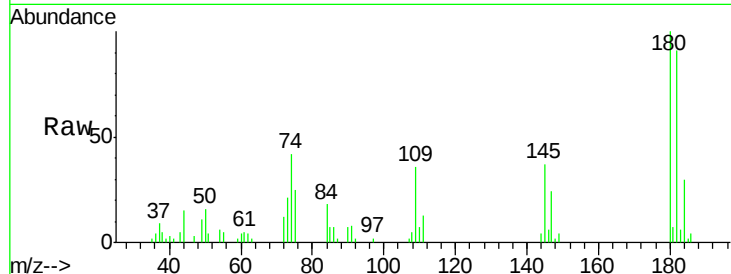




#30
 1,2,4-Trichlorobenzene
 Concen: 1.62 ng
 RT: 8.22 min Scan# 515
 Delta R.T. -0.01 min
 Lab File: BF090385.D
 Acq: 5 Oct 2016 16:57

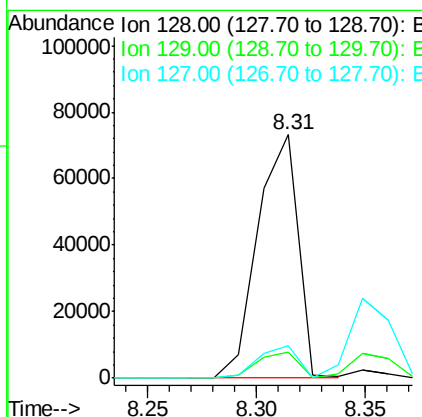
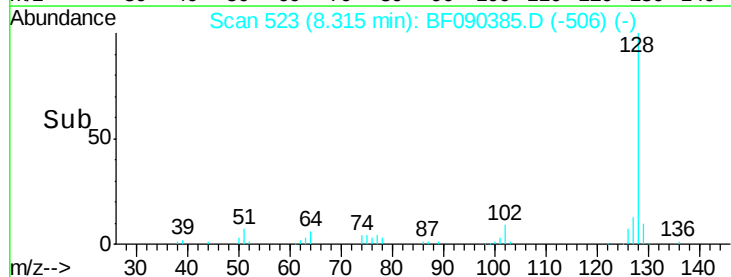
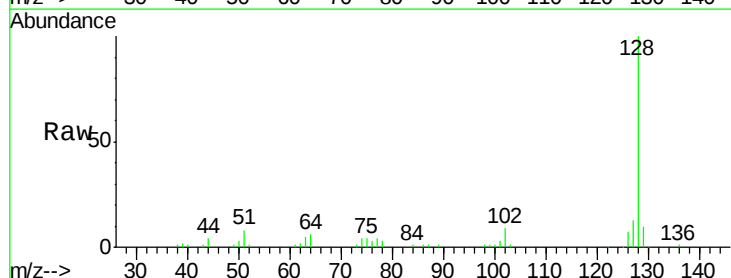
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01-QT4

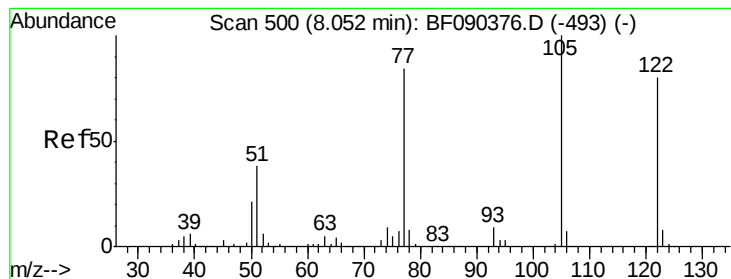
Tgt Ion:180 Resp: 22661
 Ion Ratio Lower Upper
 180 100
 182 91.2 75.3 112.9
 145 37.0 27.7 41.5



#31
 Naphthalene
 Concen: 1.89 ng
 RT: 8.31 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: BF090385.D
 Acq: 5 Oct 2016 16:57

Tgt Ion:128 Resp: 95154
 Ion Ratio Lower Upper
 128 100
 129 10.4 9.7 14.5
 127 13.4 11.7 17.5





#32

Benzoic acid

Concen: 2.71 ng

RT: 7.93 min Scan# 489

Delta R.T. -0.13 min

Lab File: BF090385.D

Acq: 5 Oct 2016 16:57

Instrument :

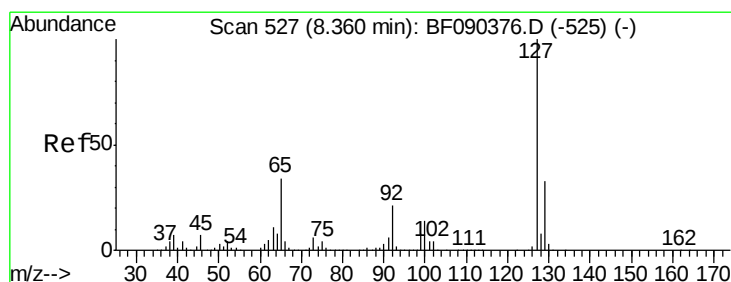
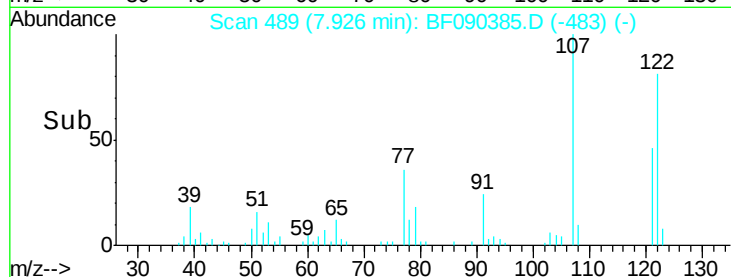
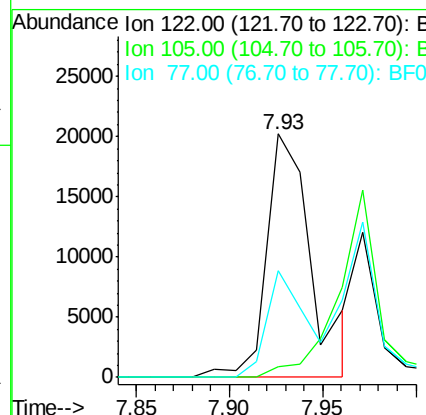
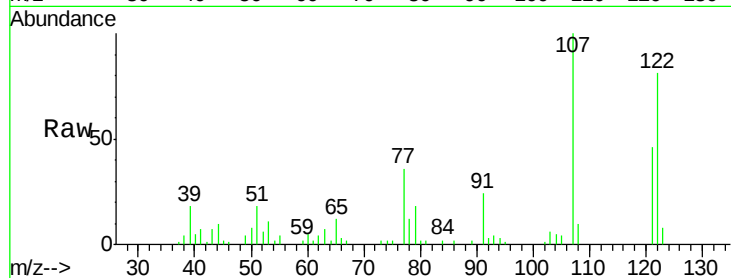
BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

Tgt Ion:122 Resp: 33721

Ion	Ratio	Lower	Upper
122	100		
105	4.5	103.9	143.9#
77	44.1	74.6	114.6#



#33

4-Chloroaniline

Concen: 1.61 ng

RT: 8.35 min Scan# 526

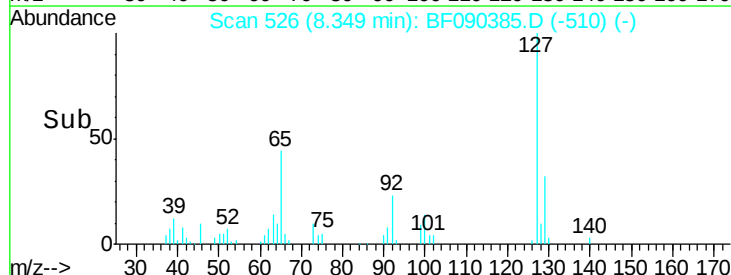
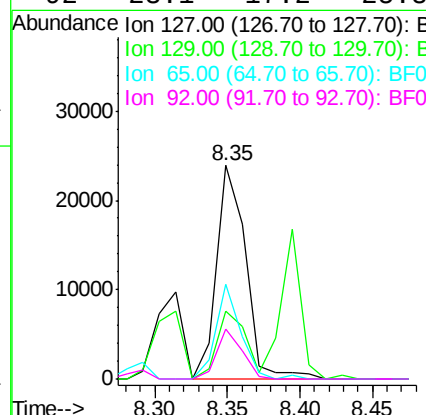
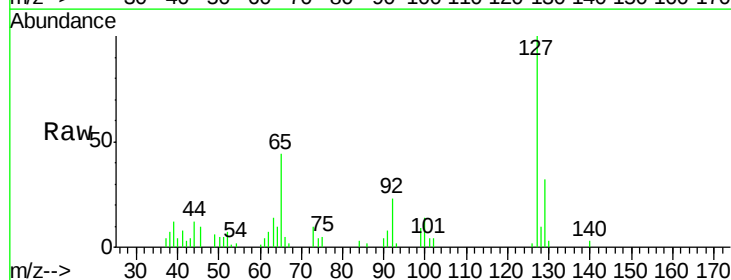
Delta R.T. -0.01 min

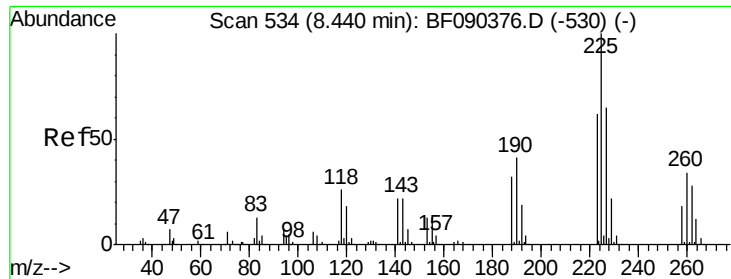
Lab File: BF090385.D

Acq: 5 Oct 2016 16:57

Tgt Ion:127 Resp: 33532

Ion	Ratio	Lower	Upper
127	100		
129	31.6	26.2	39.4
65	44.3	32.5	48.7
92	23.1	17.2	25.8

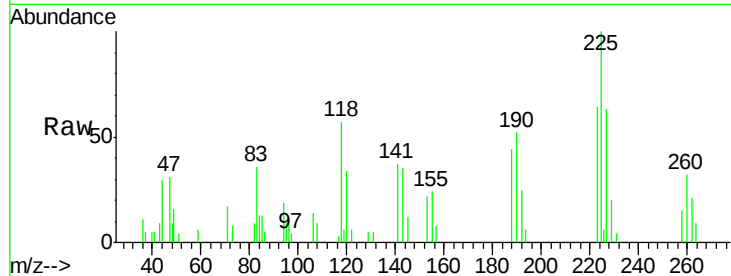




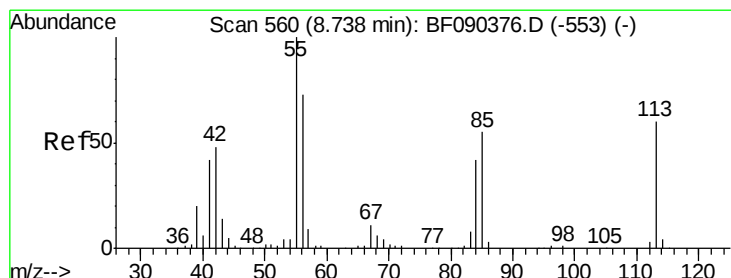
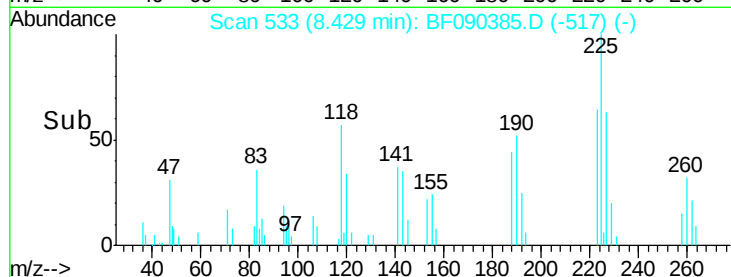
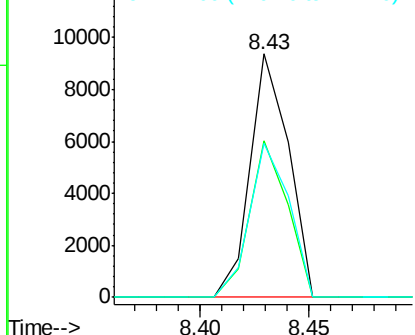
#34
Hexachlorobutadiene
Concen: 1.47 ng
RT: 8.43 min Scan# 533
Delta R.T. -0.01 min
Lab File: BF090385.D
Acq: 5 Oct 2016 16:57

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01-QT4

Tgt Ion: 225 Resp: 11537
Ion Ratio Lower Upper
225 100
223 64.4 51.0 76.4
227 63.3 50.8 76.2

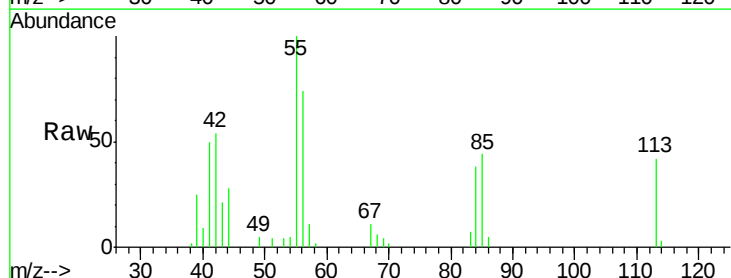


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

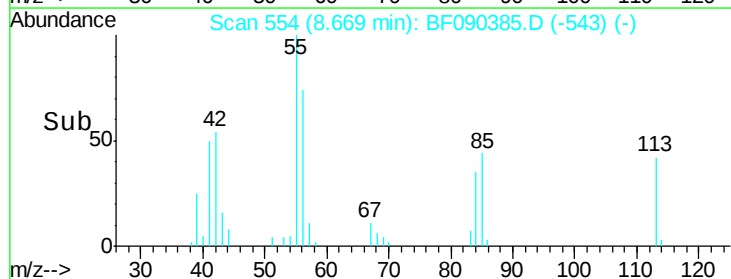
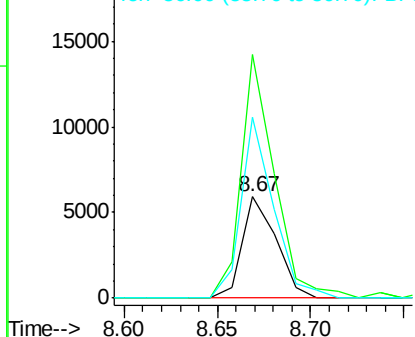


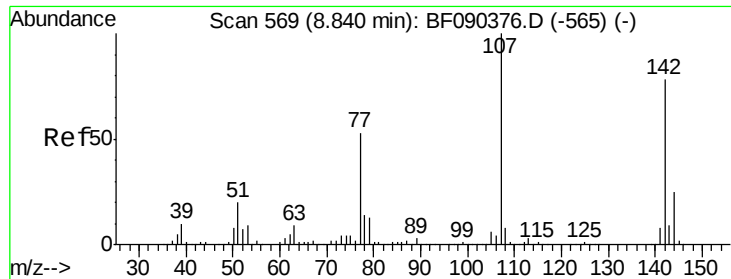
#35
Caprolactam
Concen: 1.64 ng
RT: 8.67 min Scan# 554
Delta R.T. -0.07 min
Lab File: BF090385.D
Acq: 5 Oct 2016 16:57

Tgt Ion: 113 Resp: 7483
Ion Ratio Lower Upper
113 100
55 240.7 203.3 243.3
56 178.3 140.5 180.5



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

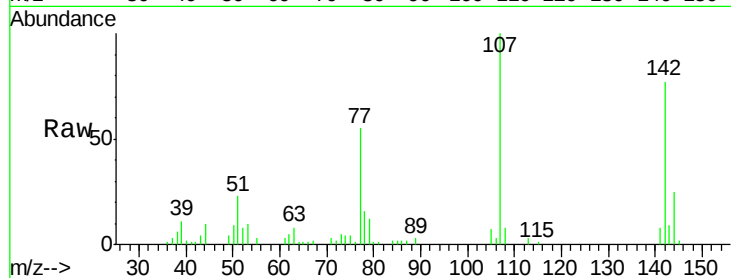




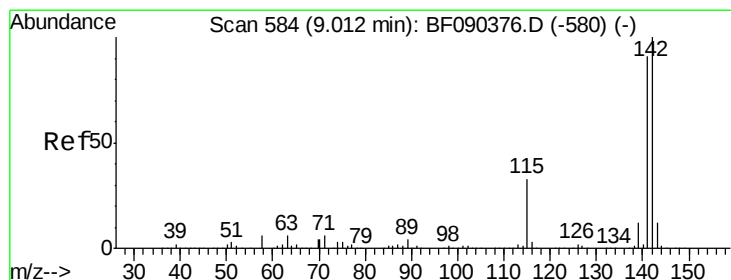
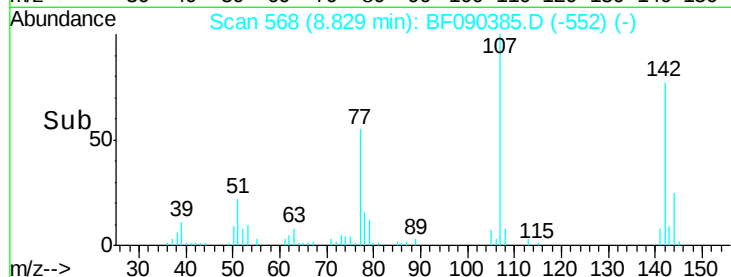
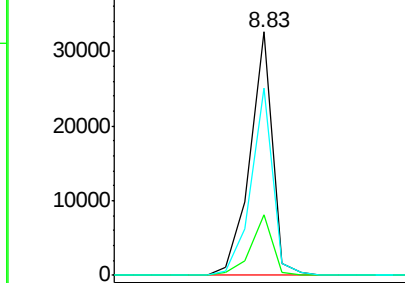
#36
 4-Chloro-3-methylphenol
 Concen: 1.83 ng
 RT: 8.83 min Scan# 568
 Delta R.T. -0.01 min
 Lab File: BF090385.D
 Acq: 5 Oct 2016 16:57

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01-QT4

Tgt Ion:107 Resp: 31154
 Ion Ratio Lower Upper
 107 100
 144 24.9 19.8 29.8
 142 76.9 60.7 91.1

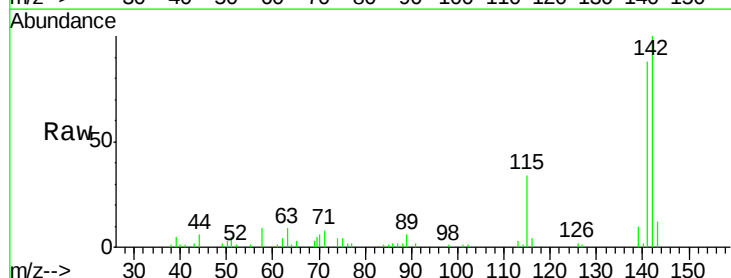


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

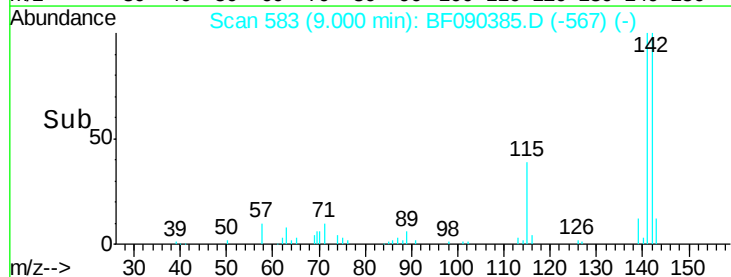
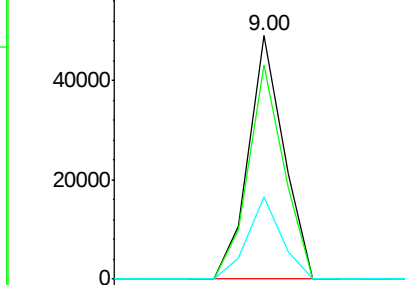


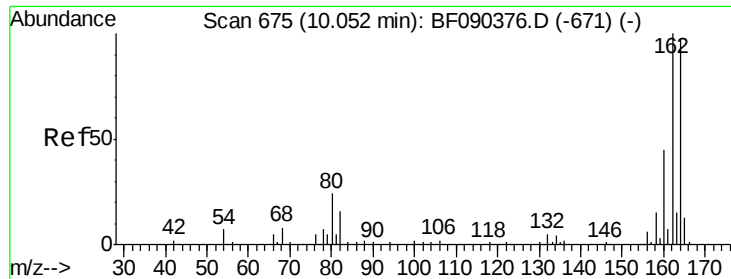
#37
 2-Methylnaphthalene
 Concen: 1.81 ng
 RT: 9.00 min Scan# 583
 Delta R.T. -0.01 min
 Lab File: BF090385.D
 Acq: 5 Oct 2016 16:57

Tgt Ion:142 Resp: 55403
 Ion Ratio Lower Upper
 142 100
 141 88.2 71.8 107.8
 115 34.1 28.8 43.2



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

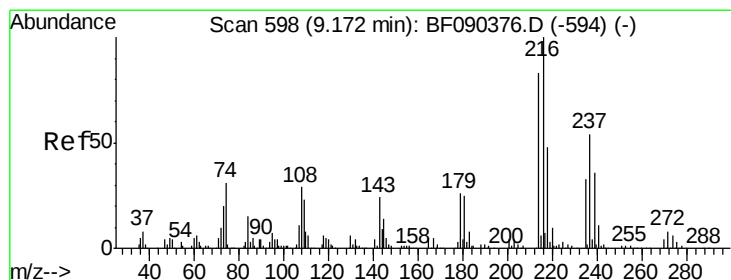
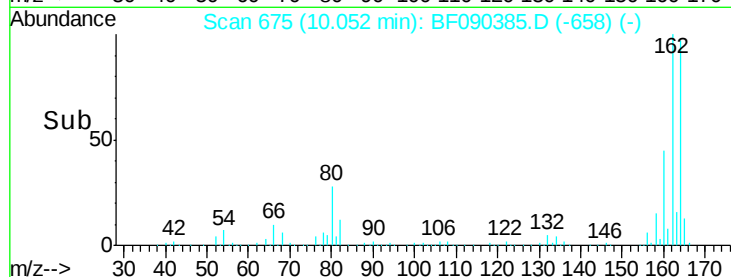
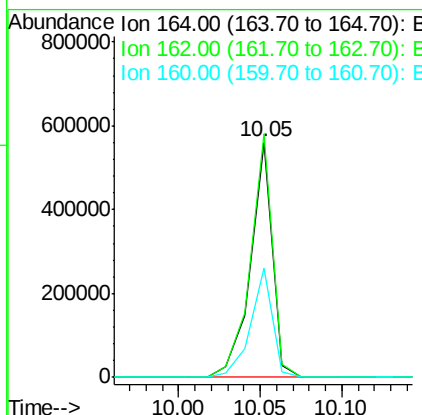
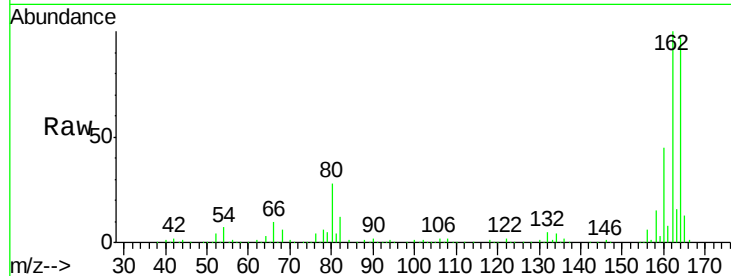




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.05 min Scan# 675
Delta R.T. -0.00 min
Lab File: BF090385.D
Acq: 5 Oct 2016 16:57

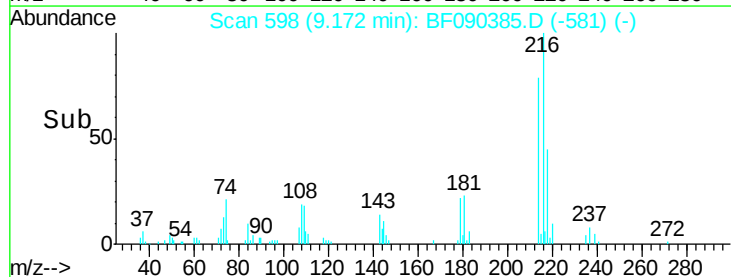
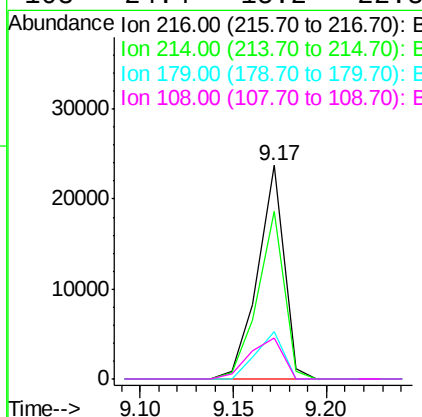
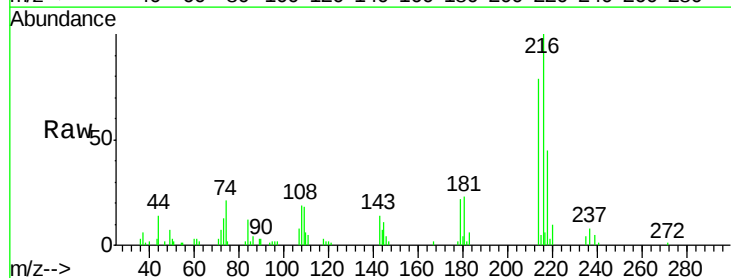
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01-QT4

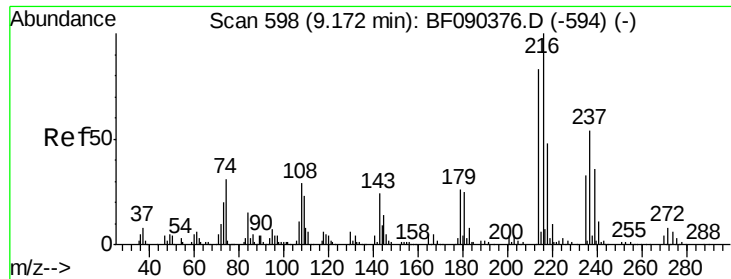
Tgt Ion:164 Resp: 523618
Ion Ratio Lower Upper
164 100
162 103.5 80.1 120.1
160 46.5 36.3 54.5



#39
1,2,4,5-Tetrachlorobenzene
Concen: 1.69 ng
RT: 9.17 min Scan# 598
Delta R.T. -0.00 min
Lab File: BF090385.D
Acq: 5 Oct 2016 16:57

Tgt Ion:216 Resp: 23329
Ion Ratio Lower Upper
216 100
214 79.0 64.2 96.2
179 22.4 18.0 27.0
108 24.4 15.2 22.8#

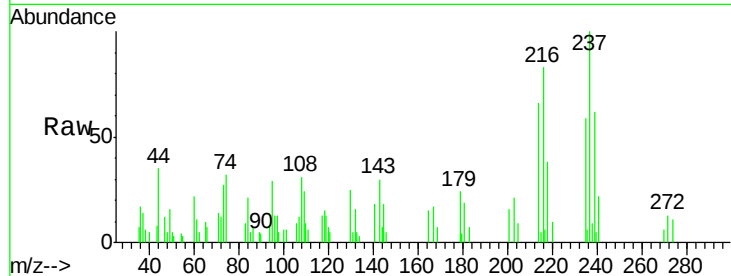




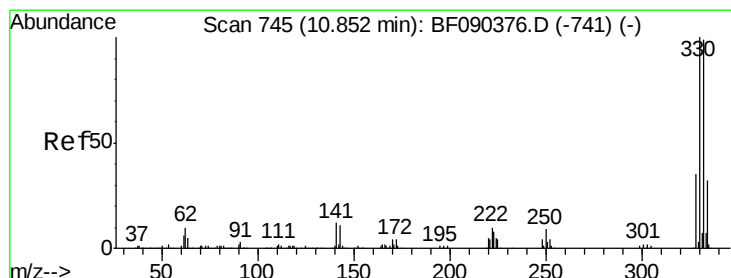
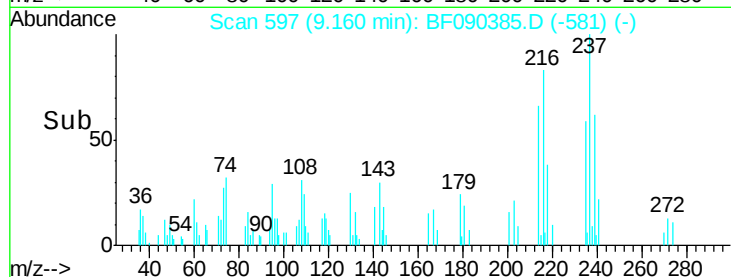
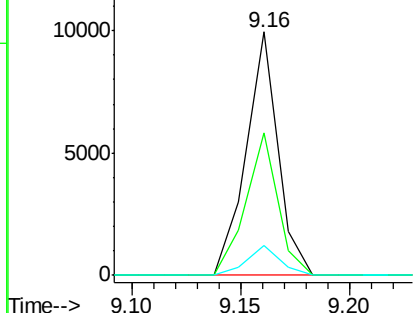
#40
Hexachlorocyclopentadiene
Concen: 1.34 ng
RT: 9.16 min Scan# 597
Delta R.T. -0.01 min
Lab File: BF090385.D
Acq: 5 Oct 2016 16:57

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01-QT4

Tgt Ion: 237 Resp: 10121
Ion Ratio Lower Upper
237 100
235 58.6 43.6 83.6
272 12.5 0.0 32.7

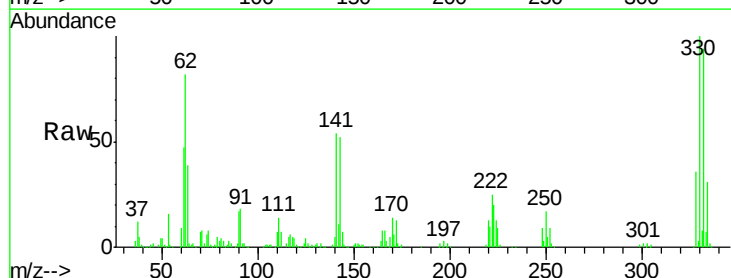


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

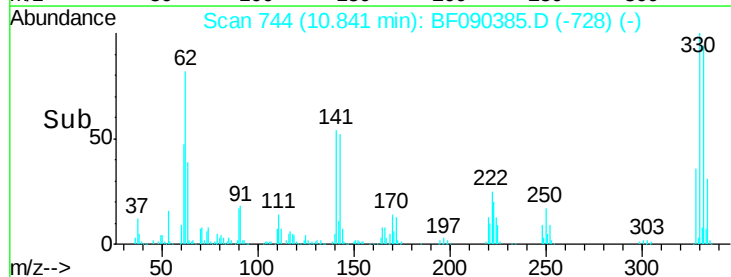
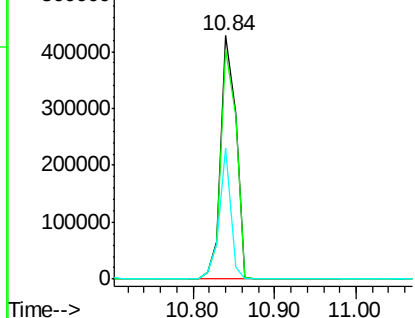


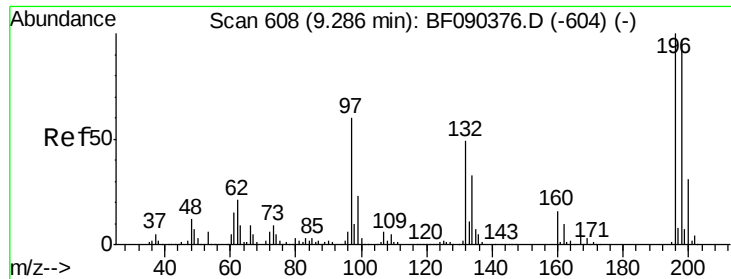
#41
2,4,6-Tribromophenol
Concen: 129.90 ng
RT: 10.84 min Scan# 744
Delta R.T. -0.01 min
Lab File: BF090385.D
Acq: 5 Oct 2016 16:57

Tgt Ion: 330 Resp: 553075
Ion Ratio Lower Upper
330 100
332 95.7 75.4 113.0
141 41.0 26.9 40.3#



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

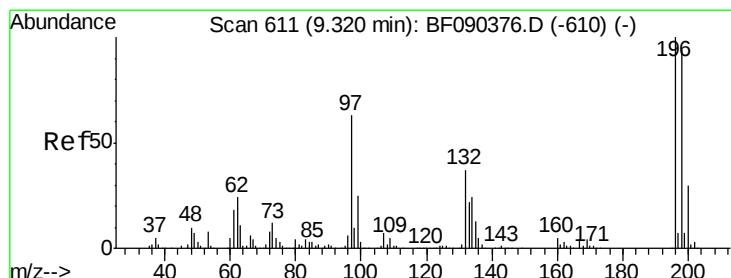
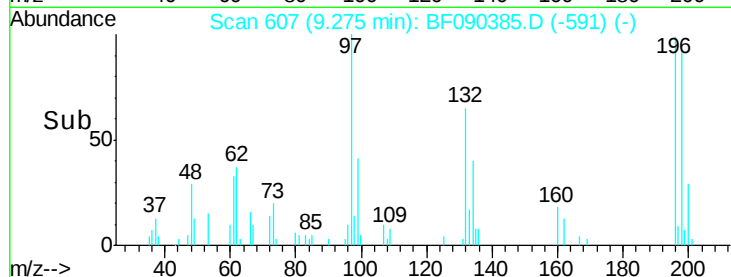
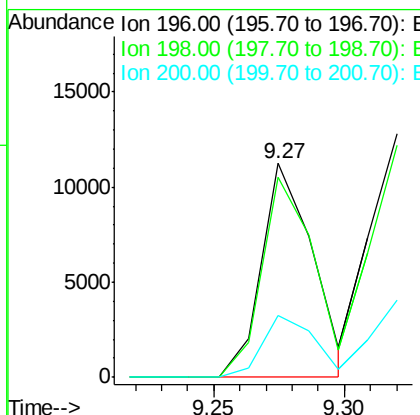
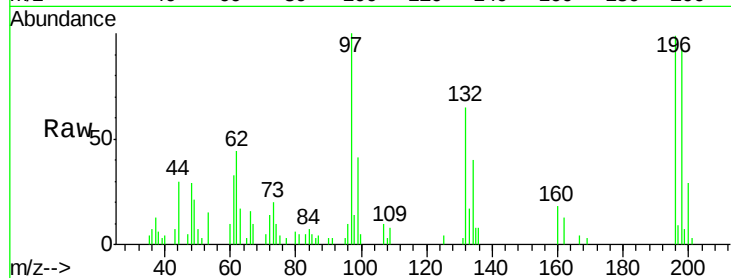




#42
 2,4,6-Trichlorophenol
 Concen: 1.60 ng
 RT: 9.27 min Scan# 607
 Delta R.T. -0.01 min
 Lab File: BF090385.D
 Acq: 5 Oct 2016 16:57

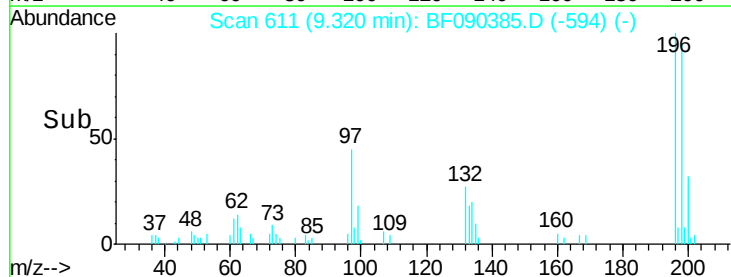
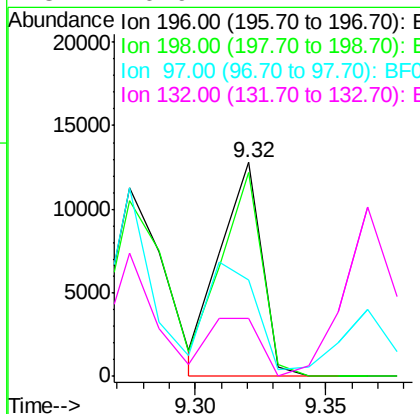
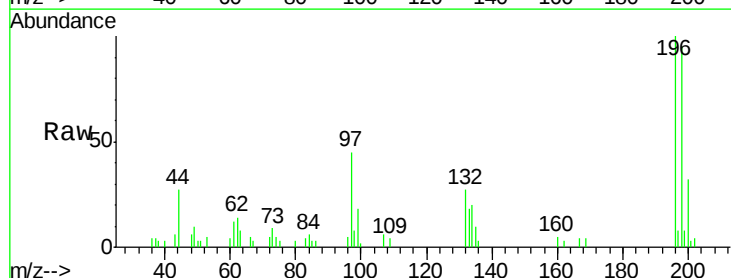
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01-QT4

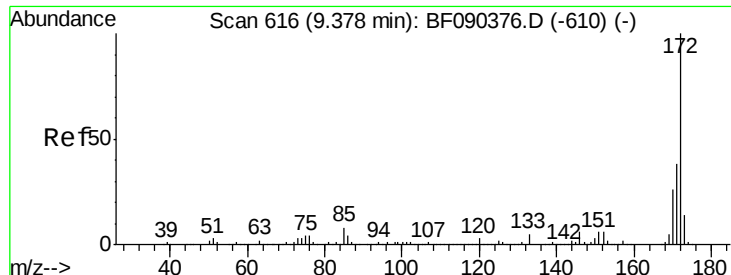
Tgt Ion:196 Resp: 15257
 Ion Ratio Lower Upper
 196 100
 198 93.7 78.9 118.3
 200 28.8 25.4 38.2



#43
 2,4,5-Trichlorophenol
 Concen: 1.58 ng
 RT: 9.32 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: BF090385.D
 Acq: 5 Oct 2016 16:57

Tgt Ion:196 Resp: 14193
 Ion Ratio Lower Upper
 196 100
 198 95.1 78.1 117.1
 97 45.2 48.1 72.1#
 132 26.9 27.4 41.2#

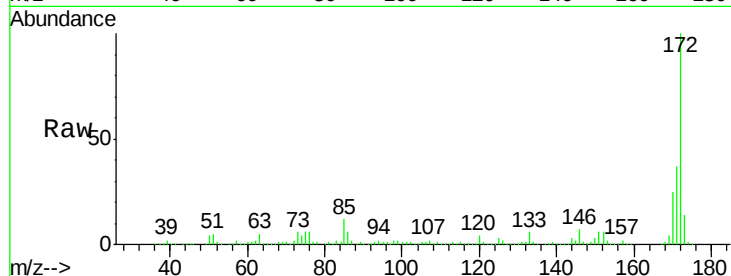




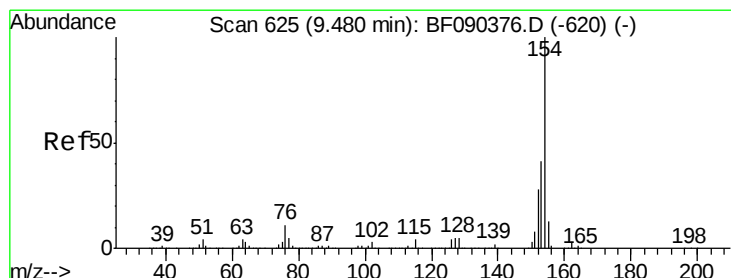
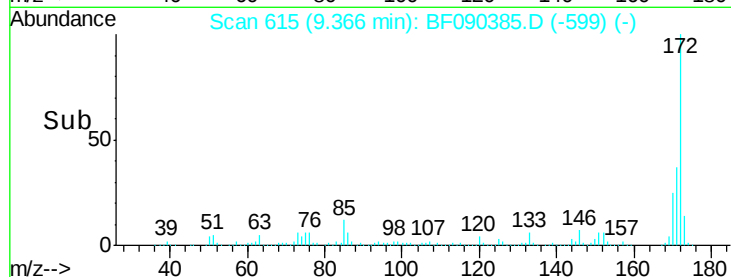
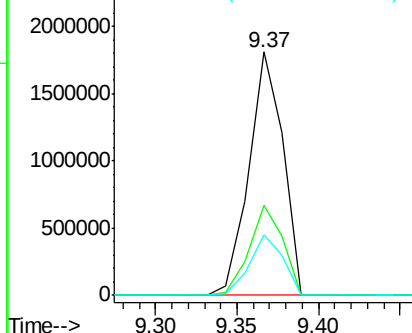
#44
 2-Fluorobiphenyl
 Concen: 82.87 ng
 RT: 9.37 min Scan# 615
 Delta R.T. -0.01 min
 Lab File: BF090385.D
 Acq: 5 Oct 2016 16:57

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01-QT4

Tgt Ion:172 Resp: 2604341
 Ion Ratio Lower Upper
 172 100
 171 37.1 31.8 47.8
 170 24.9 21.7 32.5

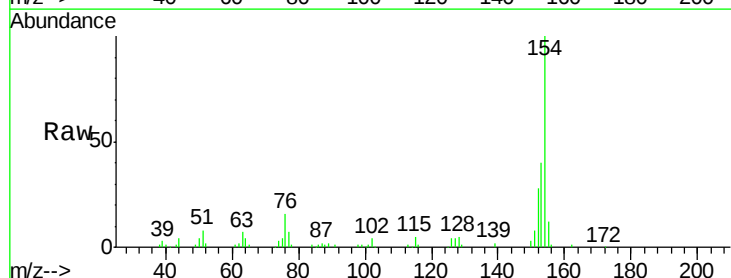


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

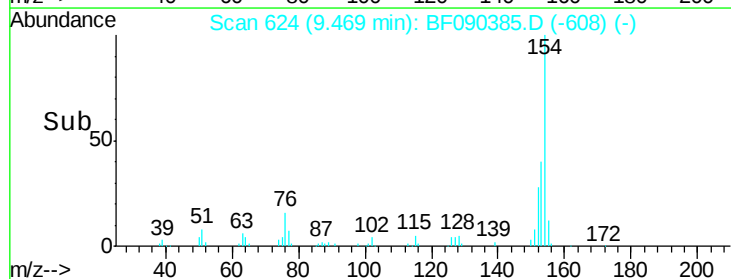
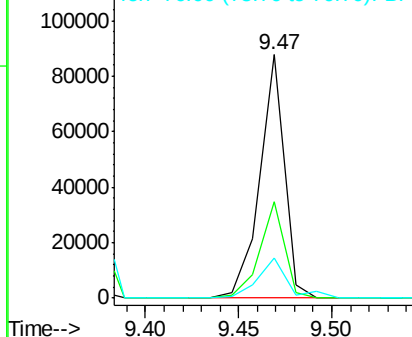


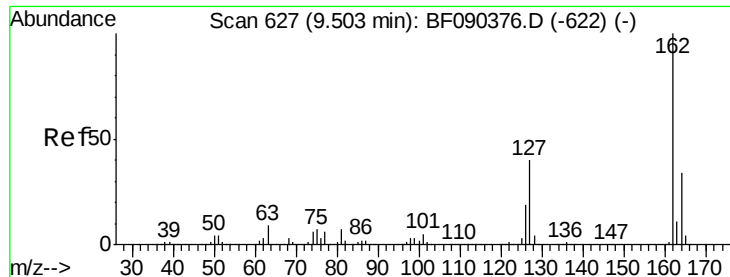
#45
 1,1'-Biphenyl
 Concen: 2.05 ng
 RT: 9.47 min Scan# 624
 Delta R.T. -0.01 min
 Lab File: BF090385.D
 Acq: 5 Oct 2016 16:57

Tgt Ion:154 Resp: 79409
 Ion Ratio Lower Upper
 154 100
 153 39.7 23.8 63.8
 76 16.4 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

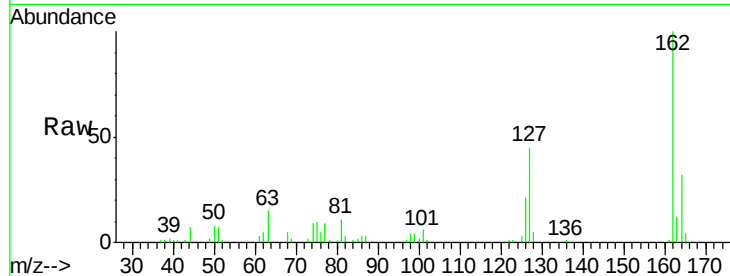




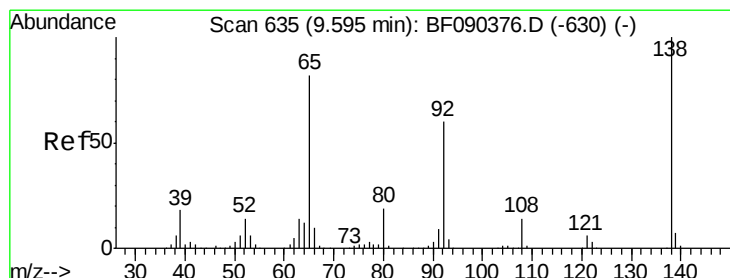
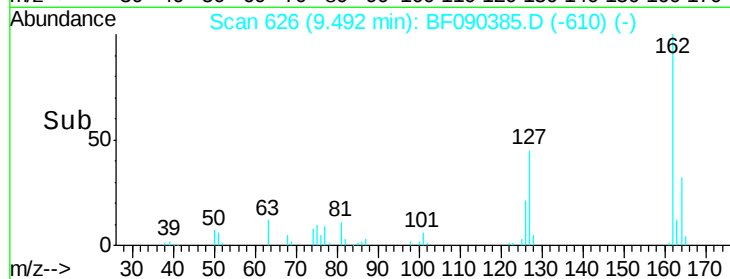
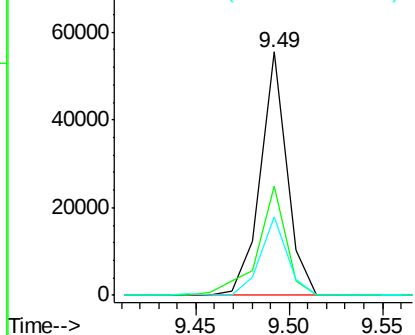
#46
 2-Chloronaphthalene
 Concen: 1.89 ng
 RT: 9.49 min Scan# 626
 Delta R.T. -0.01 min
 Lab File: BF090385.D
 Acq: 5 Oct 2016 16:57

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01-QT4

Tgt Ion: 162 Resp: 54289
 Ion Ratio Lower Upper
 162 100
 127 44.7 35.6 53.4
 164 32.3 27.5 41.3

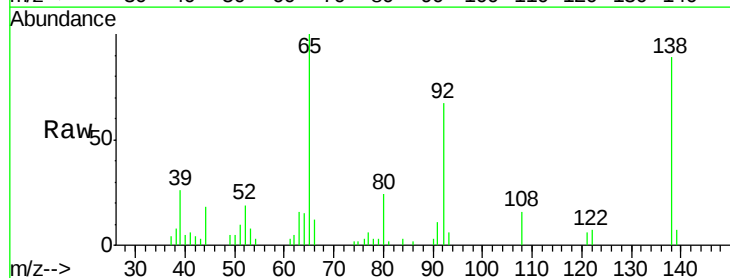


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

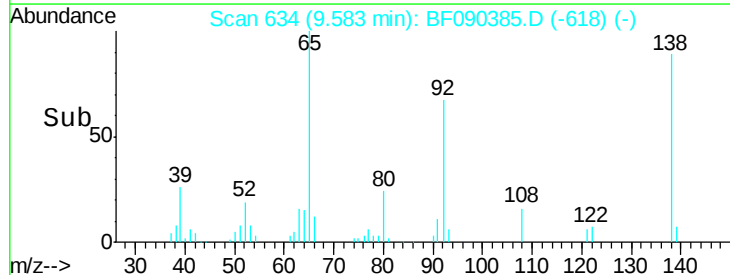
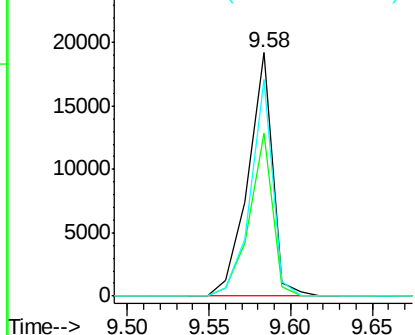


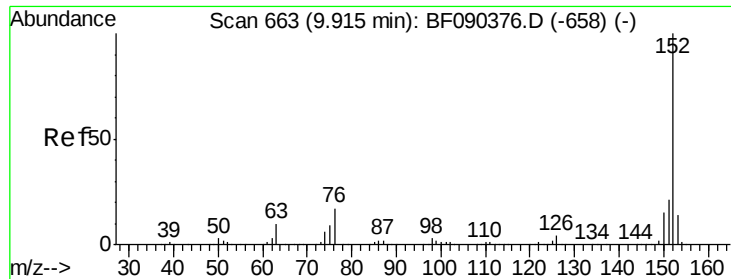
#47
 2-Nitroaniline
 Concen: 1.77 ng
 RT: 9.58 min Scan# 634
 Delta R.T. -0.01 min
 Lab File: BF090385.D
 Acq: 5 Oct 2016 16:57

Tgt Ion: 65 Resp: 20074
 Ion Ratio Lower Upper
 65 100
 92 67.0 51.7 77.5
 138 88.8 79.0 118.4



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: 1.86 ng

RT: 9.91 min Scan# 663

Delta R.T. -0.00 min

Lab File: BF090385.D

Acq: 5 Oct 2016 16:57

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

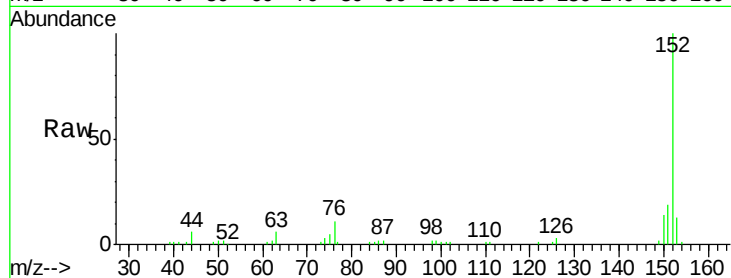
Tgt Ion:152 Resp: 87802

Ion Ratio Lower Upper

152 100

151 18.9 17.4 26.0

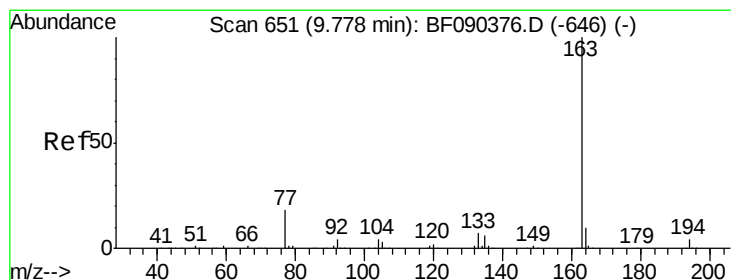
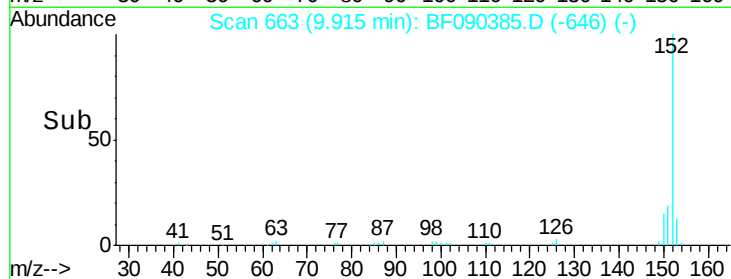
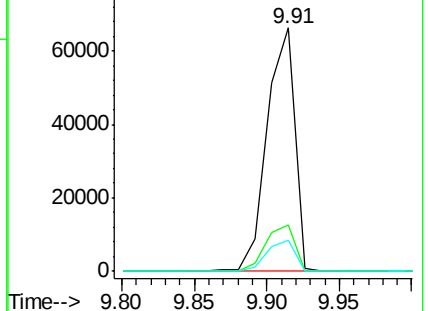
153 12.6 11.6 17.4



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: 1.75 ng

RT: 9.77 min Scan# 650

Delta R.T. -0.01 min

Lab File: BF090385.D

Acq: 5 Oct 2016 16:57

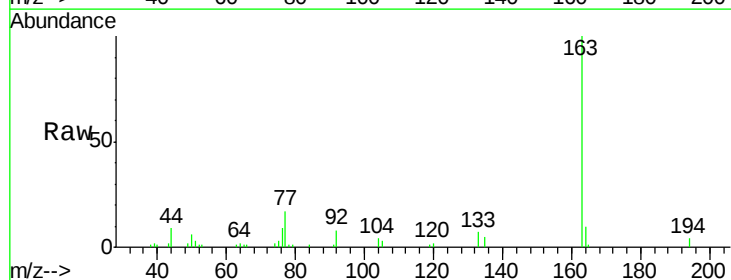
Tgt Ion:163 Resp: 58562

Ion Ratio Lower Upper

163 100

194 3.6 2.8 4.2

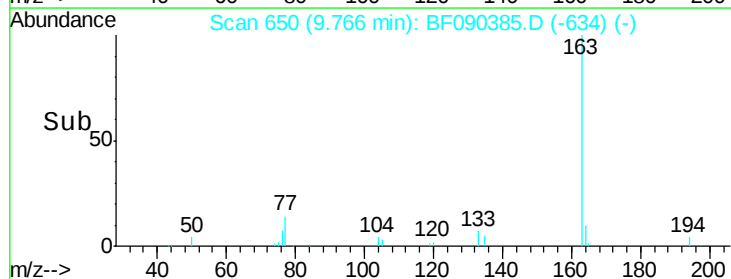
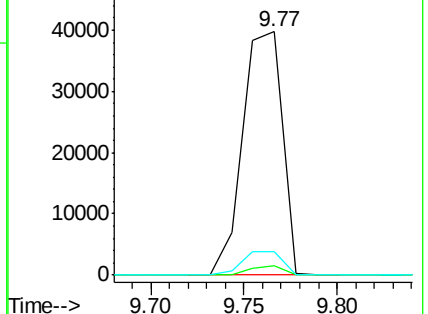
164 9.7 9.0 13.4

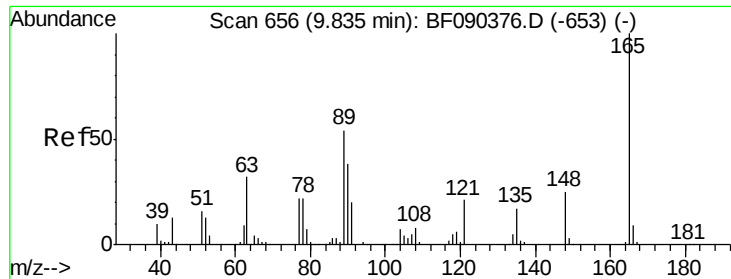


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

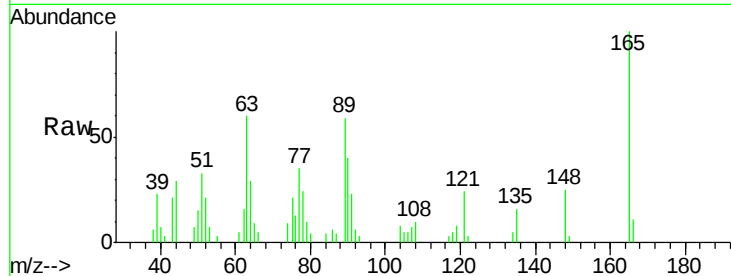




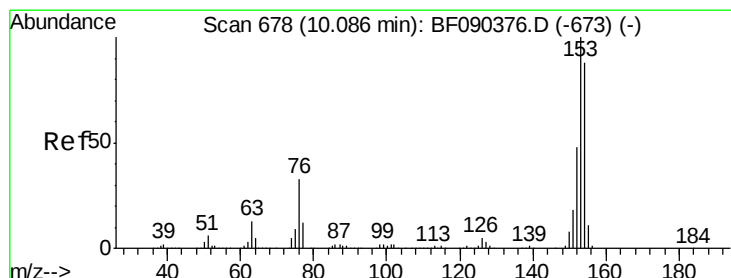
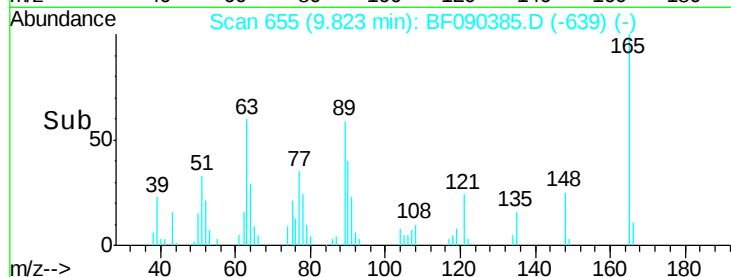
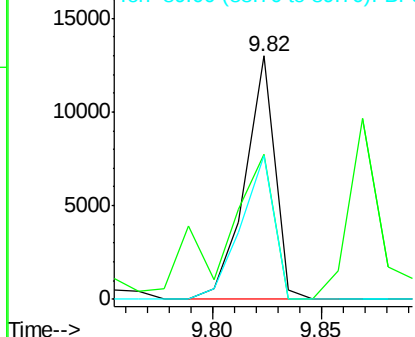
#50
 2,6-Dinitrotoluene
 Concen: 1.68 ng
 RT: 9.82 min Scan# 655
 Delta R.T. -0.01 min
 Lab File: BF090385.D
 Acq: 5 Oct 2016 16:57

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01-QT4

Tgt Ion:165 Resp: 12498
 Ion Ratio Lower Upper
 165 100
 63 59.8 58.0 87.0
 89 59.2 51.2 76.8

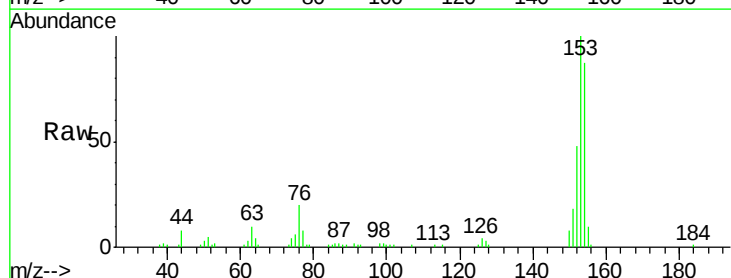


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

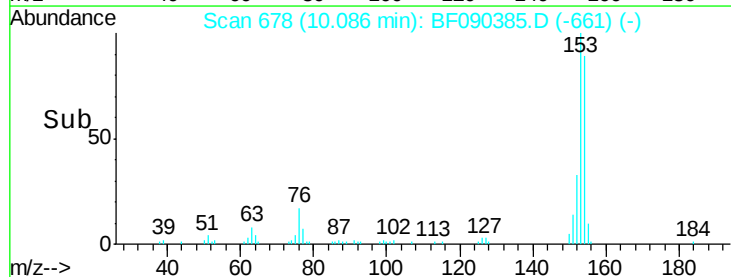
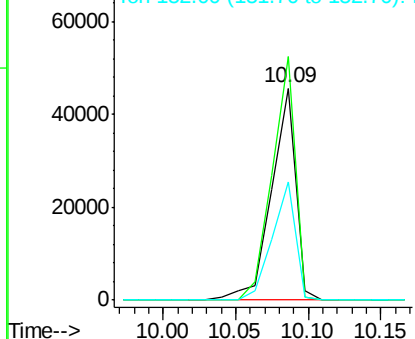


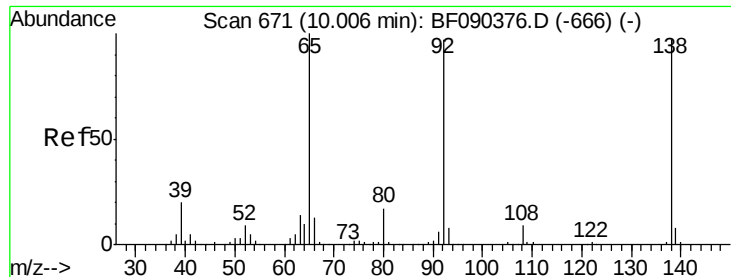
#51
 Acenaphthene
 Concen: 1.79 ng
 RT: 10.09 min Scan# 678
 Delta R.T. -0.00 min
 Lab File: BF090385.D
 Acq: 5 Oct 2016 16:57

Tgt Ion:154 Resp: 52862
 Ion Ratio Lower Upper
 154 100
 153 114.9 88.6 133.0
 152 55.5 42.6 64.0



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

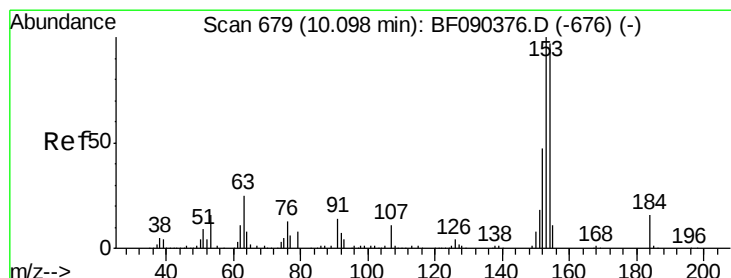
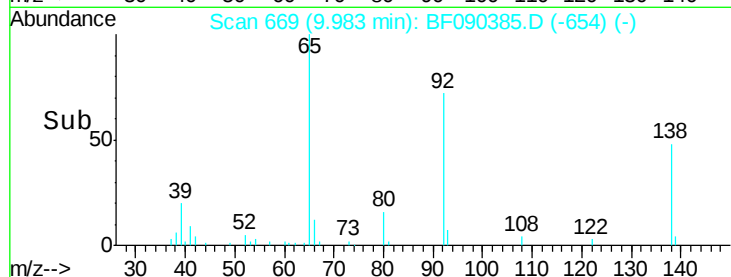
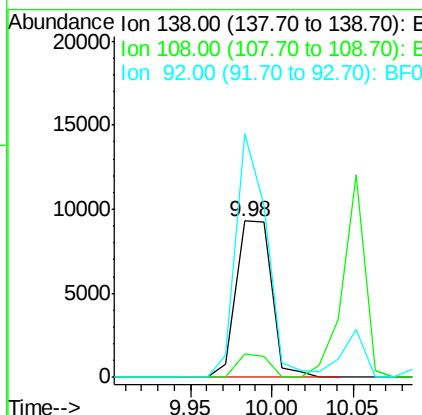
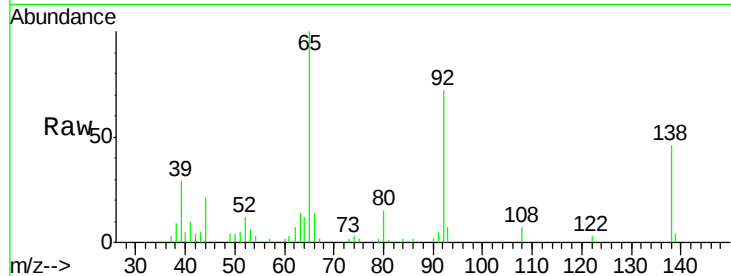




#52
3-Nitroaniline
Concen: 1.59 ng
RT: 9.98 min Scan# 669
Delta R.T. -0.02 min
Lab File: BF090385.D
Acq: 5 Oct 2016 16:57

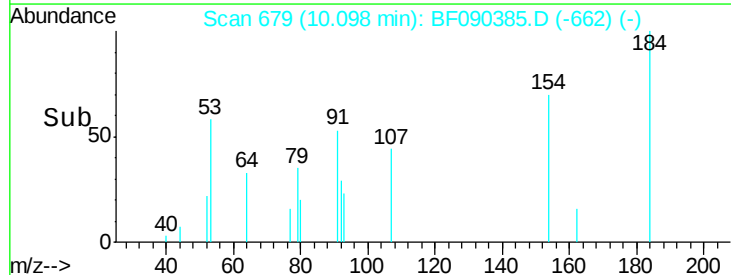
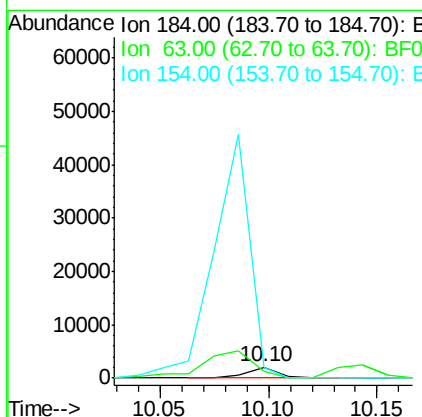
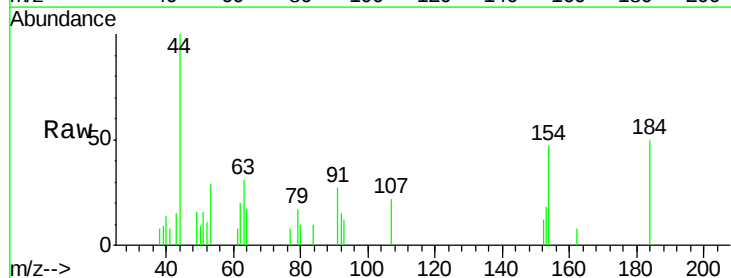
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01-QT4

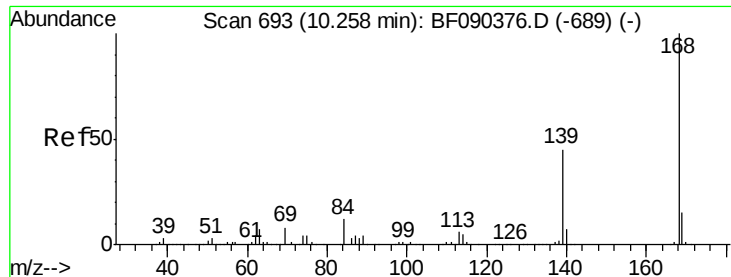
Tgt Ion:138 Resp: 13861
Ion Ratio Lower Upper
138 100
108 14.8 9.7 14.5#
92 156.1 97.1 145.7#



#53
2,4-Dinitrophenol
Concen: 0.63 ng
RT: 10.10 min Scan# 679
Delta R.T. -0.00 min
Lab File: BF090385.D
Acq: 5 Oct 2016 16:57

Tgt Ion:184 Resp: 2091
Ion Ratio Lower Upper
184 100
63 61.2 41.9 62.9
154 93.1 48.9 73.3#

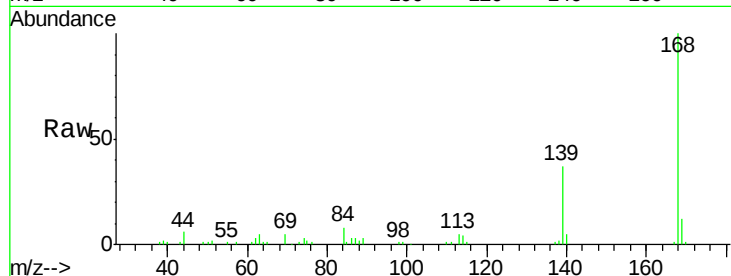




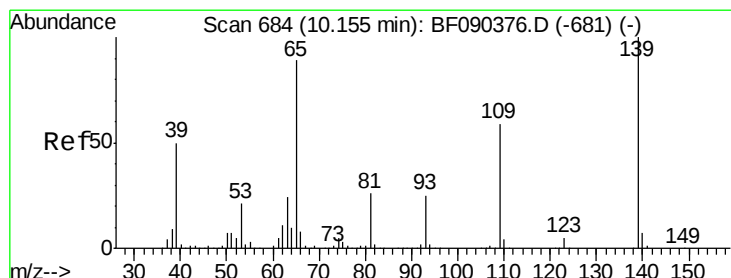
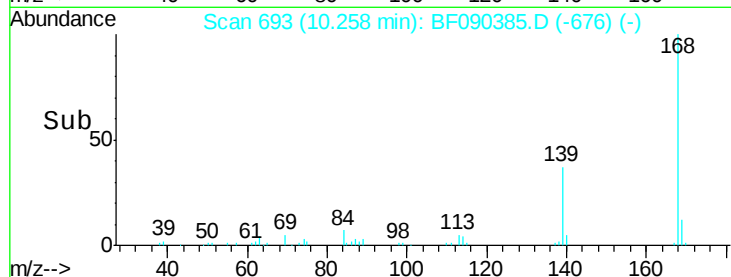
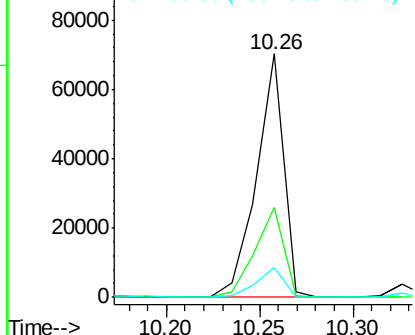
#54
Dibenzenofuran
Concen: 1.85 ng
RT: 10.26 min Scan# 693
Delta R.T. -0.00 min
Lab File: BF090385.D
Acq: 5 Oct 2016 16:57

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01-QT4

Tgt Ion:168 Resp: 70462
Ion Ratio Lower Upper
168 100
139 37.2 29.6 44.4
169 12.1 11.3 16.9

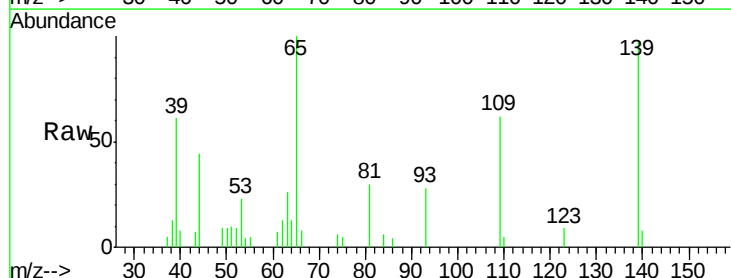


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

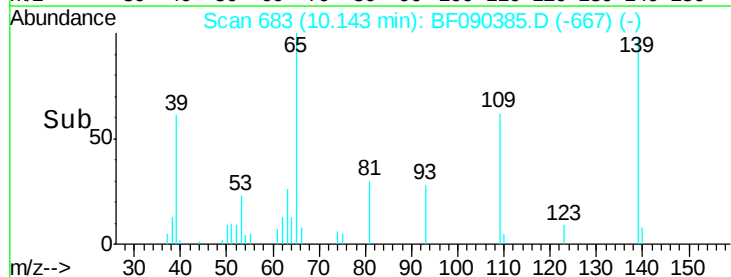
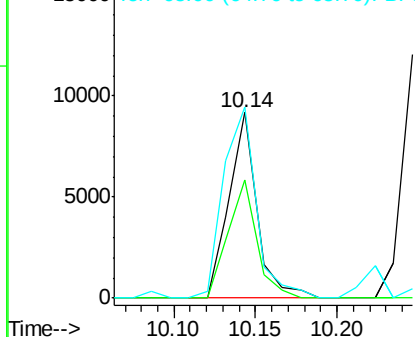


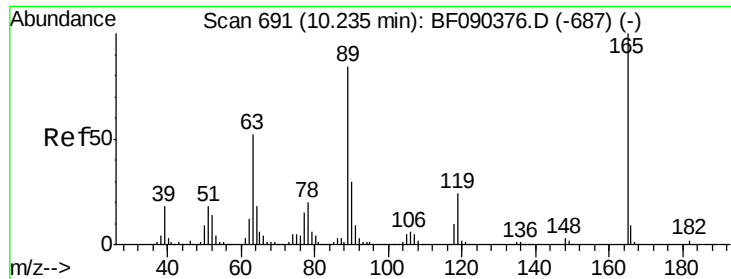
#55
4-Nitrophenol
Concen: 1.42 ng
RT: 10.14 min Scan# 683
Delta R.T. -0.01 min
Lab File: BF090385.D
Acq: 5 Oct 2016 16:57

Tgt Ion:139 Resp: 10831
Ion Ratio Lower Upper
139 100
109 63.9 43.6 83.6
65 102.8 87.5 127.5



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

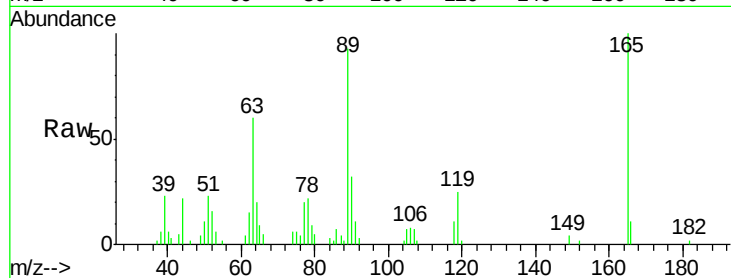




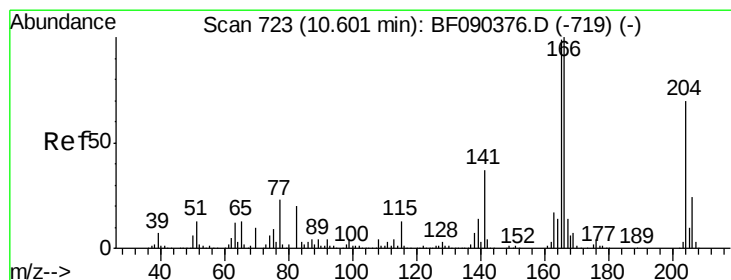
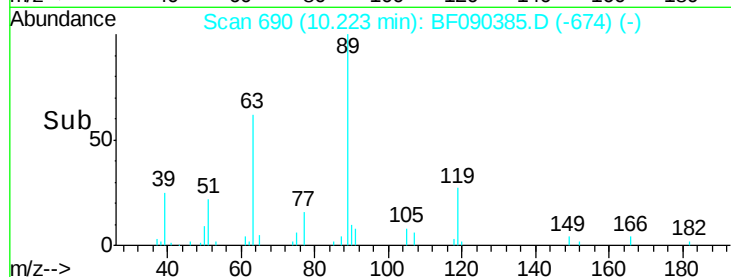
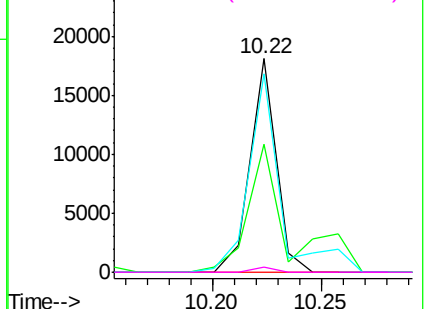
#56
2,4-Dinitrotoluene
Concen: 1.52 ng
RT: 10.22 min Scan# 690
Delta R.T. -0.01 min
Lab File: BF090385.D
Acq: 5 Oct 2016 16:57

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01-QT4

Tgt Ion:165 Resp: 15087
Ion Ratio Lower Upper
165 100
63 59.8 17.8 26.6#
89 92.9 33.2 49.8#
182 2.2 2.1 3.1

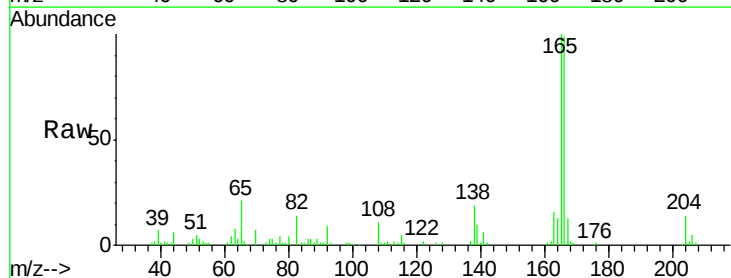


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

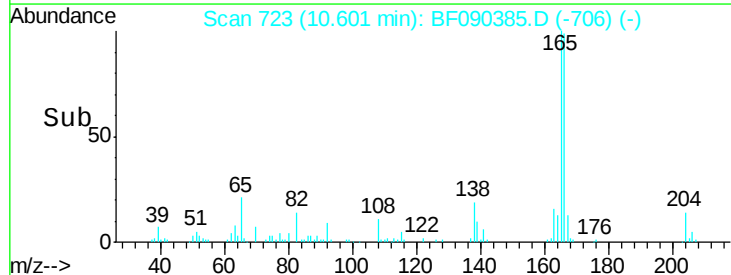
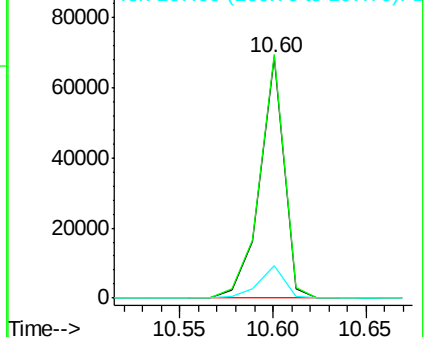


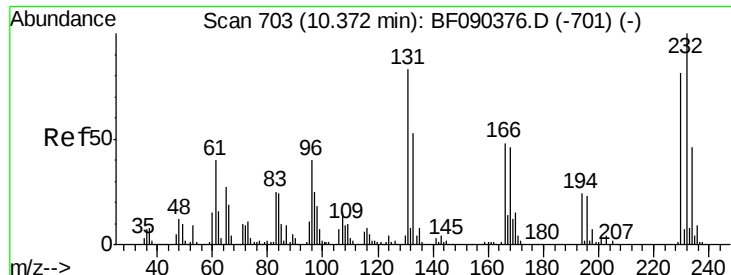
#57
Fluorene
Concen: 1.92 ng
RT: 10.60 min Scan# 723
Delta R.T. -0.00 min
Lab File: BF090385.D
Acq: 5 Oct 2016 16:57

Tgt Ion:166 Resp: 61649
Ion Ratio Lower Upper
166 100
165 101.2 79.2 118.8
167 13.5 11.1 16.7



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

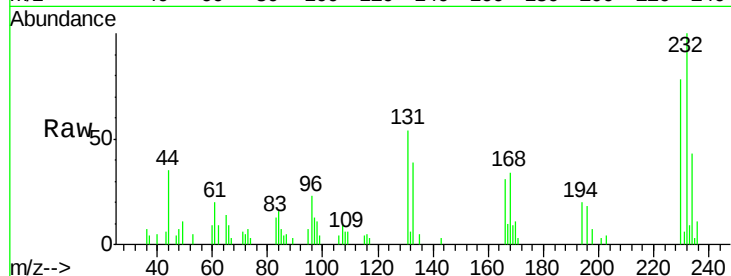




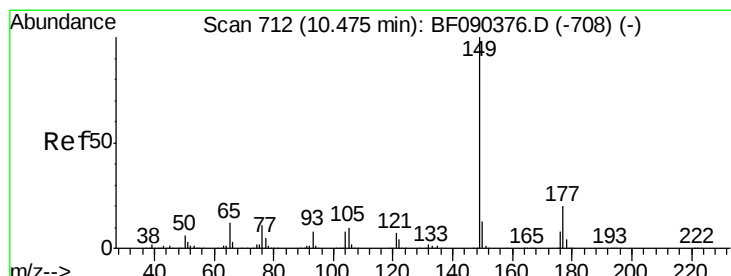
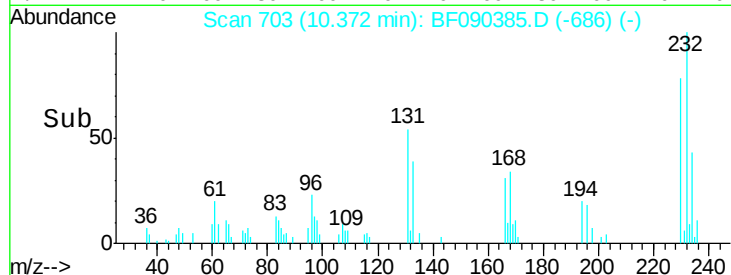
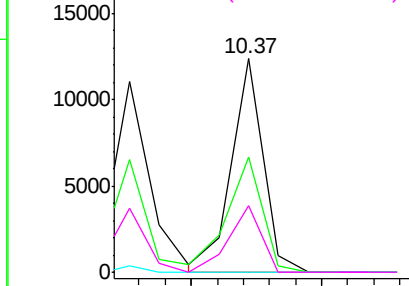
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 1.57 ng
 RT: 10.37 min Scan# 703
 Delta R.T. -0.00 min
 Lab File: BF090385.D
 Acq: 5 Oct 2016 16:57

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01-QT4

Tgt Ion:232 Resp: 10531
 Ion Ratio Lower Upper
 232 100
 131 60.0 34.5 51.7#
 130 0.0 1.6 2.4#
 166 32.0 23.8 35.8

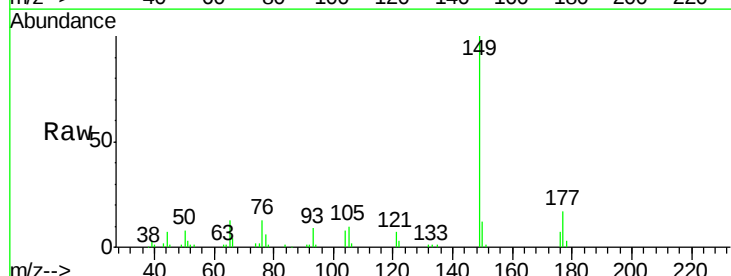


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

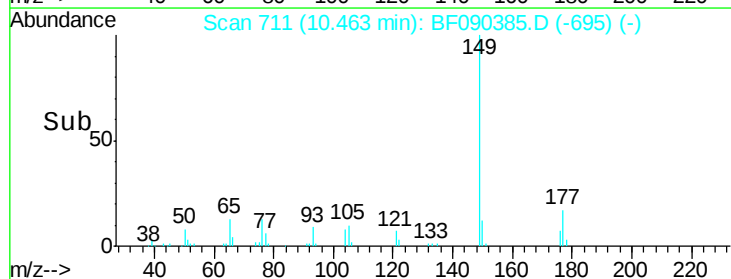
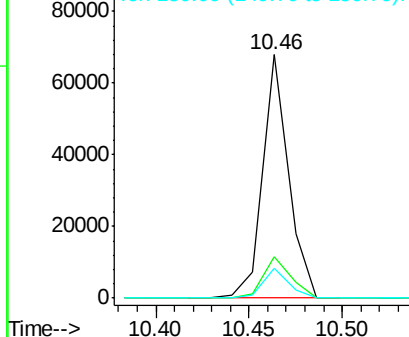


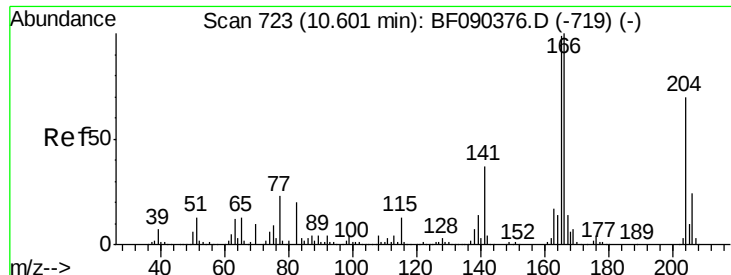
#59
 Diethylphthalate
 Concen: 1.86 ng
 RT: 10.46 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: BF090385.D
 Acq: 5 Oct 2016 16:57

Tgt Ion:149 Resp: 64499
 Ion Ratio Lower Upper
 149 100
 177 17.1 21.1 31.7#
 150 12.2 10.2 15.2



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E

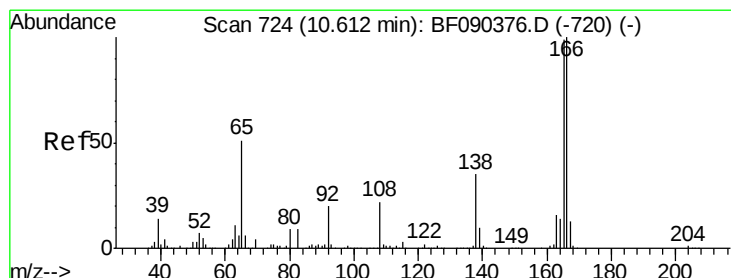
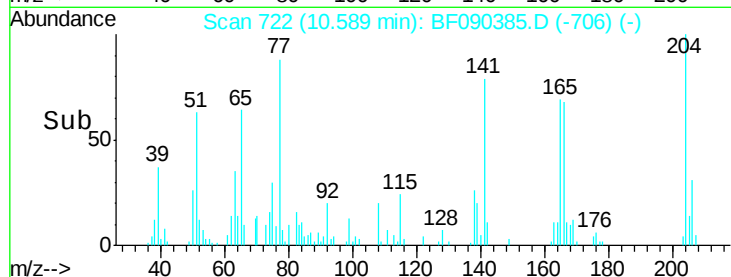
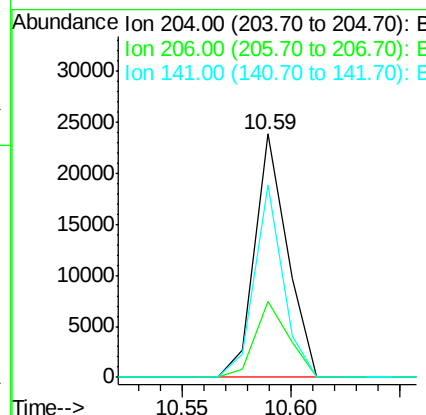
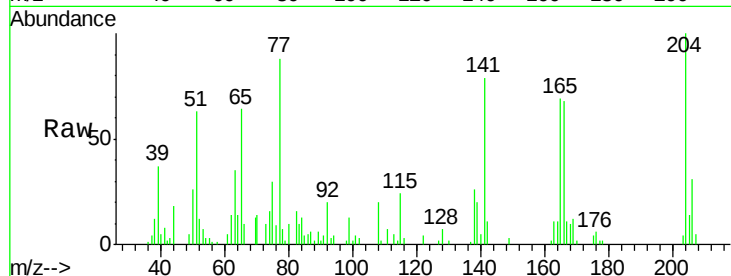




#60
 4-Chlorophenyl-phenylether
 Concen: 1.70 ng
 RT: 10.59 min Scan# 722
 Delta R.T. -0.01 min
 Lab File: BF090385.D
 Acq: 5 Oct 2016 16:57

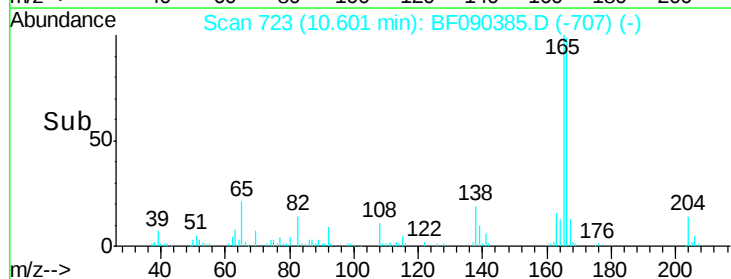
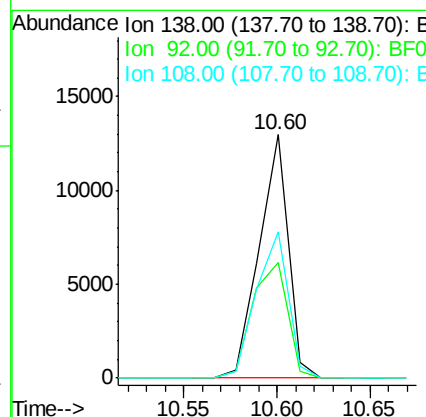
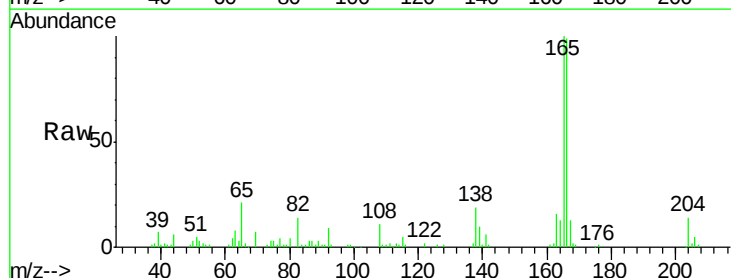
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01-QT4

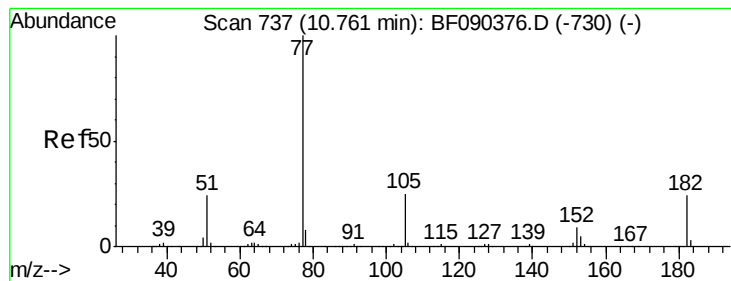
Tgt Ion:204 Resp: 24868
 Ion Ratio Lower Upper
 204 100
 206 31.1 26.7 40.1
 141 78.8 51.7 77.5#



#61
 4-Nitroaniline
 Concen: 1.59 ng
 RT: 10.60 min Scan# 723
 Delta R.T. -0.01 min
 Lab File: BF090385.D
 Acq: 5 Oct 2016 16:57

Tgt Ion:138 Resp: 13961
 Ion Ratio Lower Upper
 138 100
 92 47.3 33.2 73.2
 108 60.1 48.5 88.5





#62

Azobenzene

Concen: 1.80 ng

RT: 10.75 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF090385.D

Acq: 5 Oct 2016 16:57

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

Tgt Ion: 77 Resp: 72213

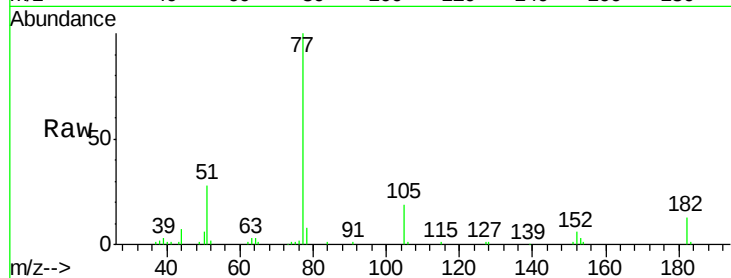
Ion Ratio Lower Upper

77 100

182 12.6 3.2 43.2

105 18.9 2.9 42.9

51 28.4 14.2 54.2

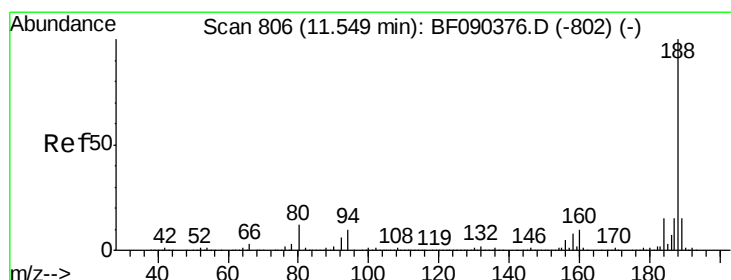
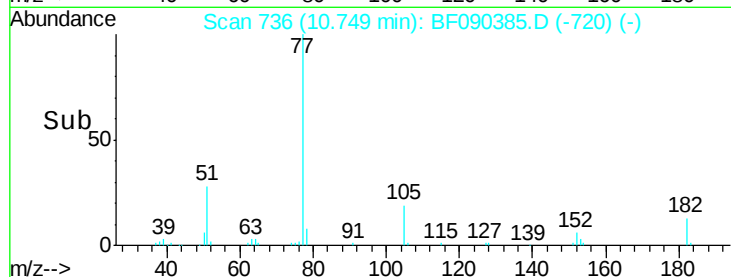
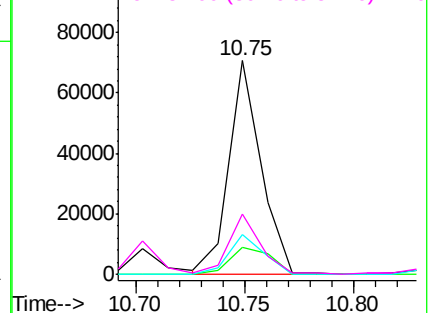


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 11.54 min Scan# 805

Delta R.T. -0.01 min

Lab File: BF090385.D

Acq: 5 Oct 2016 16:57

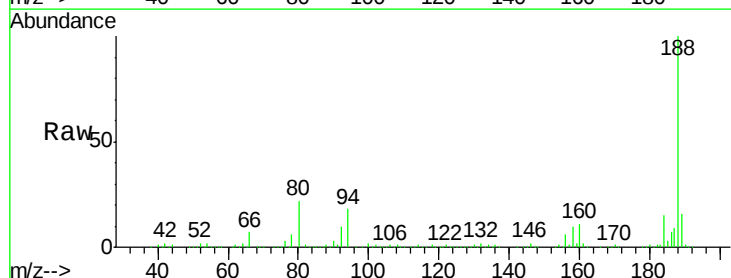
Tgt Ion: 188 Resp: 795924

Ion Ratio Lower Upper

188 100

94 18.3 8.2 12.2#

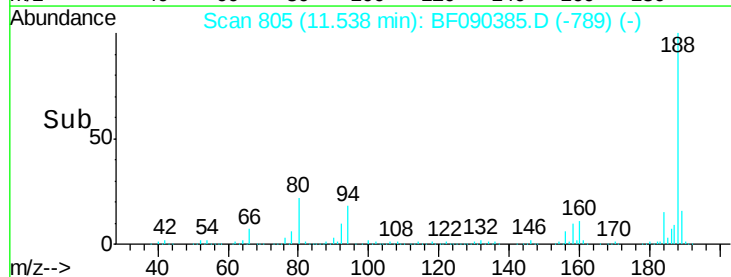
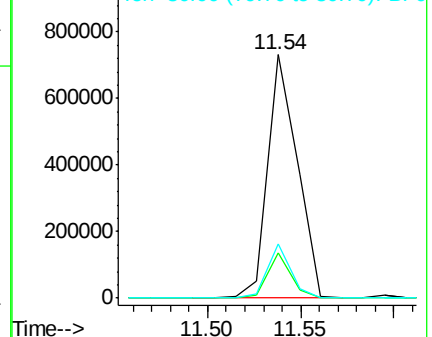
80 22.1 8.8 13.2#

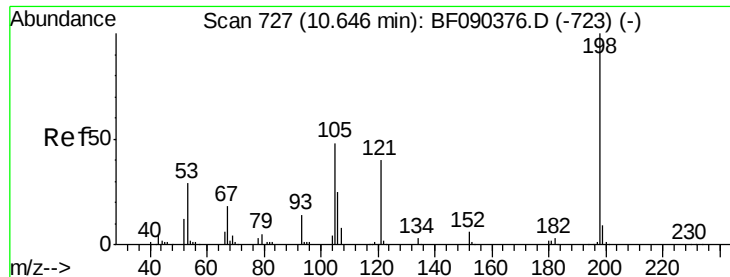


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

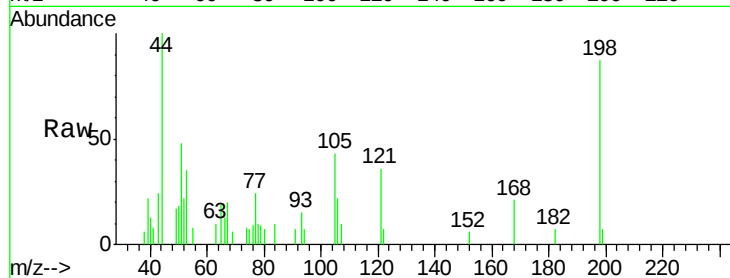




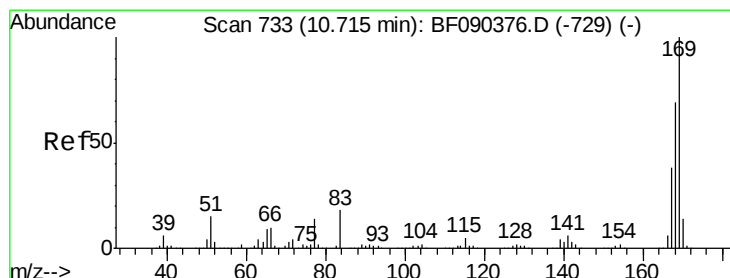
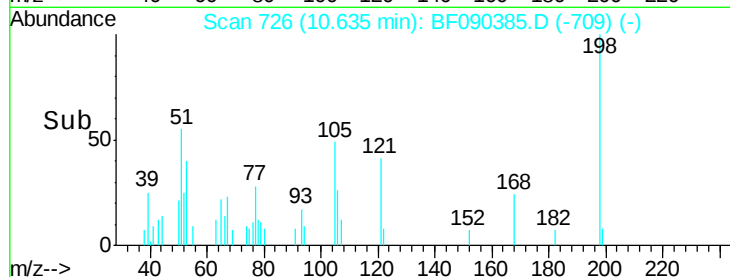
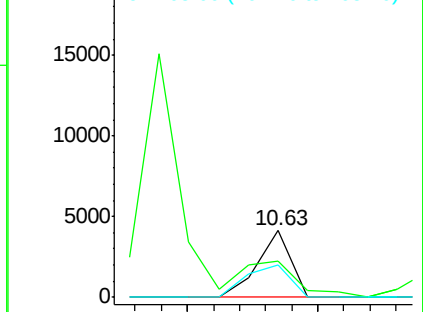
#64
4,6-Dinitro-2-methylphenol
Concen: 6.04 ng
RT: 10.63 min Scan# 726
Delta R.T. -0.01 min
Lab File: BF090385.D
Acq: 5 Oct 2016 16:57

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01-QT4

Tgt Ion:198 Resp: 3670
Ion Ratio Lower Upper
198 100
51 54.5 67.3 107.3#
105 49.3 42.6 82.6

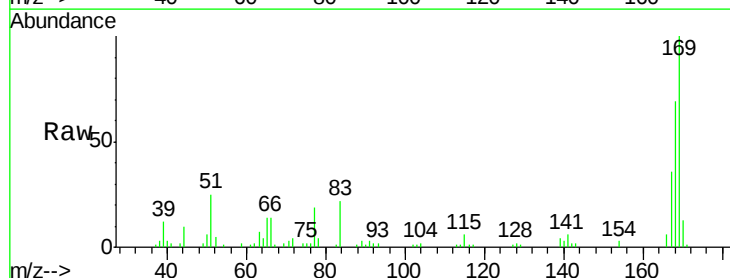


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

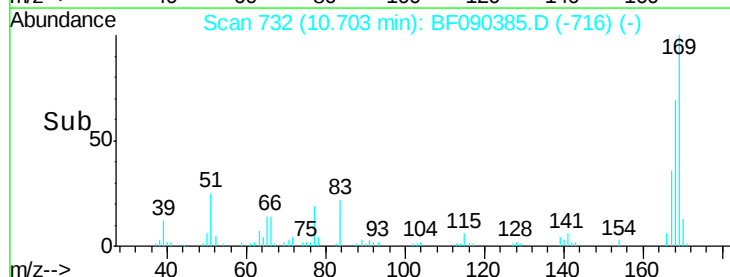
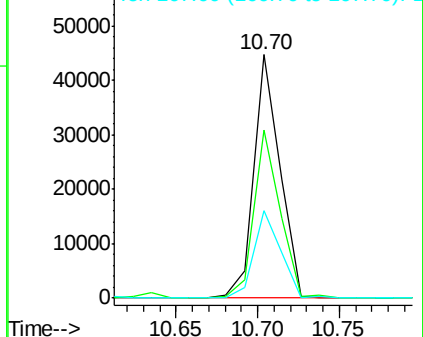


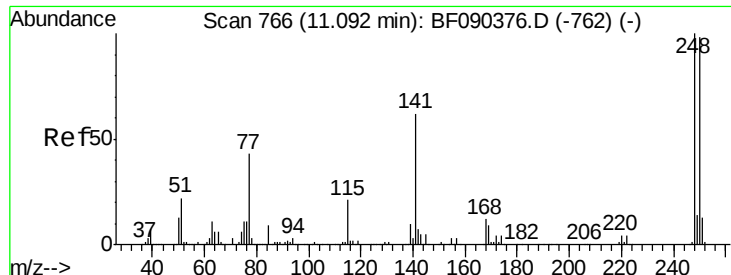
#65
n-Nitrosodiphenylamine
Concen: 1.87 ng
RT: 10.70 min Scan# 732
Delta R.T. -0.01 min
Lab File: BF090385.D
Acq: 5 Oct 2016 16:57

Tgt Ion:169 Resp: 49768
Ion Ratio Lower Upper
169 100
168 69.0 53.8 80.6
167 36.1 29.8 44.8



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

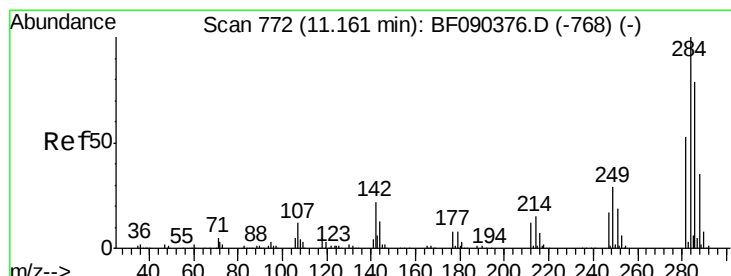
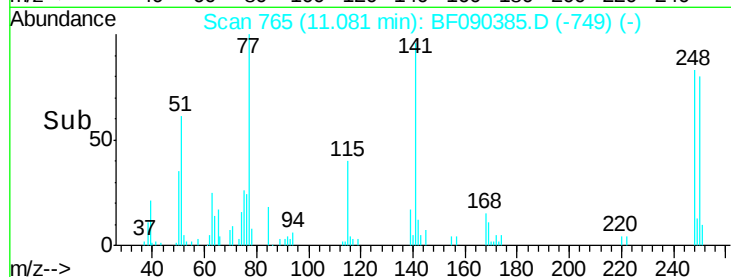
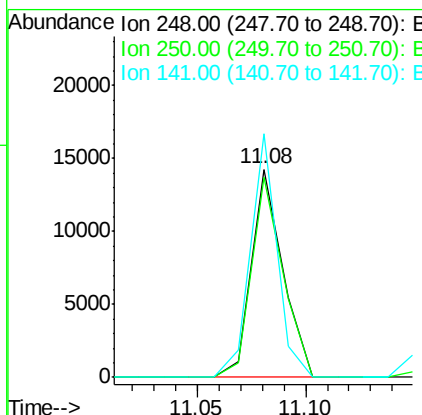
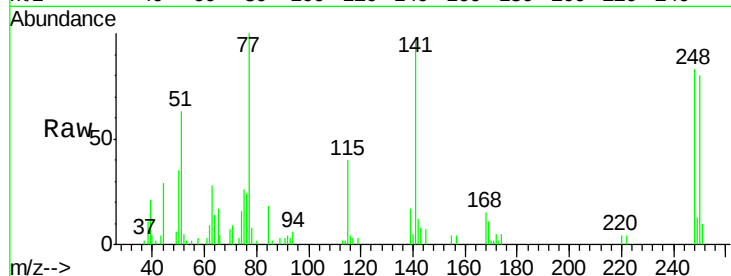




#66
 4-Bromophenyl-phenylether
 Concen: 1.83 ng
 RT: 11.08 min Scan# 765
 Delta R.T. -0.01 min
 Lab File: BF090385.D
 Acq: 5 Oct 2016 16:57

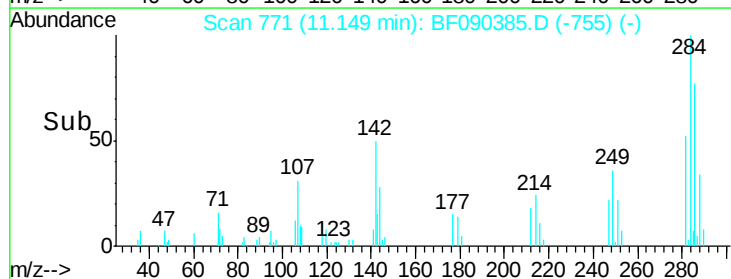
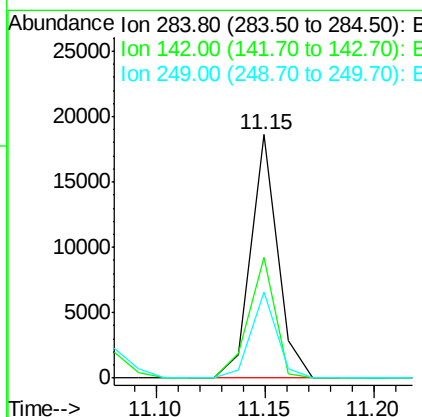
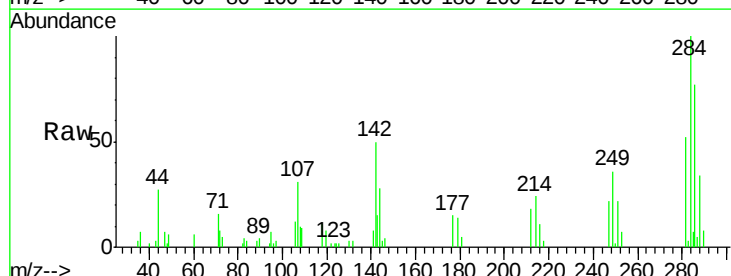
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01-QT4

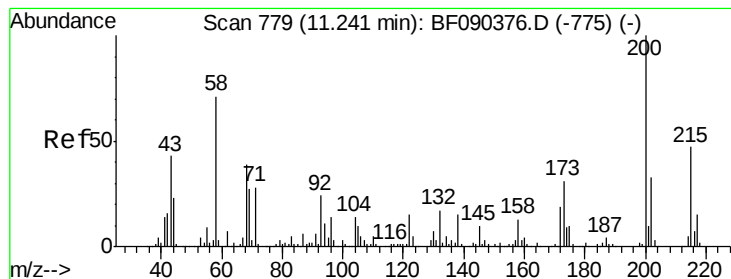
Tgt Ion: 248 Resp: 14249
 Ion Ratio Lower Upper
 248 100
 250 96.0 76.5 114.7
 141 117.0 59.8 89.6#



#67
 Hexachlorobenzene
 Concen: 1.84 ng
 RT: 11.15 min Scan# 771
 Delta R.T. -0.01 min
 Lab File: BF090385.D
 Acq: 5 Oct 2016 16:57

Tgt Ion: 284 Resp: 15963
 Ion Ratio Lower Upper
 284 100
 142 49.5 23.1 34.7#
 249 37.8 26.3 39.5





#68

Atrazine

Concen: 1.89 ng

RT: 11.23 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF090385.D

Acq: 5 Oct 2016 16:57

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

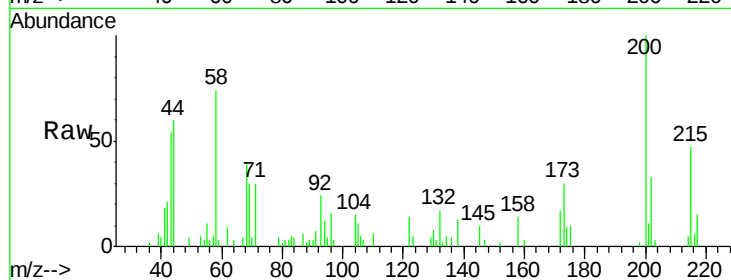
Tgt Ion:200 Resp: 12427

Ion Ratio Lower Upper

200 100

173 30.1 9.0 49.0

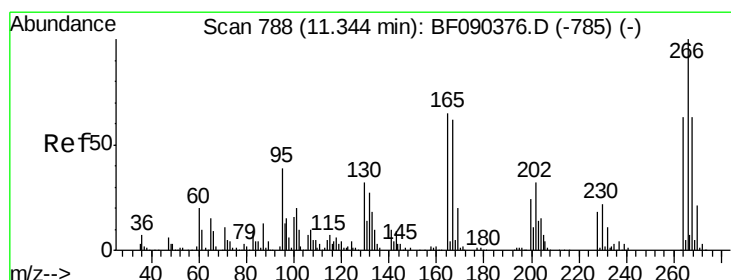
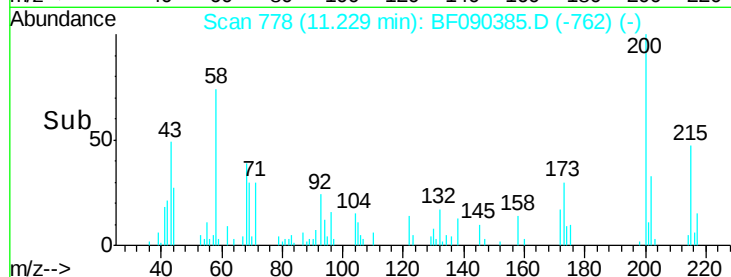
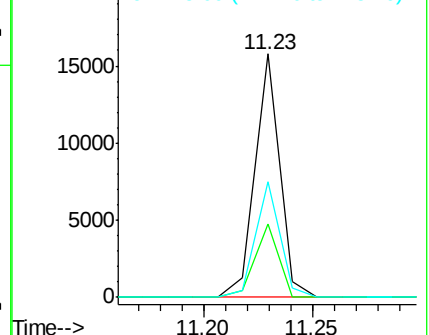
215 47.3 24.8 64.8



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: 1.38 ng

RT: 11.34 min Scan# 788

Delta R.T. -0.00 min

Lab File: BF090385.D

Acq: 5 Oct 2016 16:57

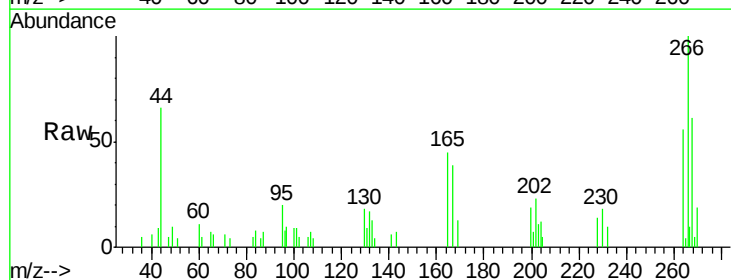
Tgt Ion:266 Resp: 7142

Ion Ratio Lower Upper

266 100

268 60.7 50.9 76.3

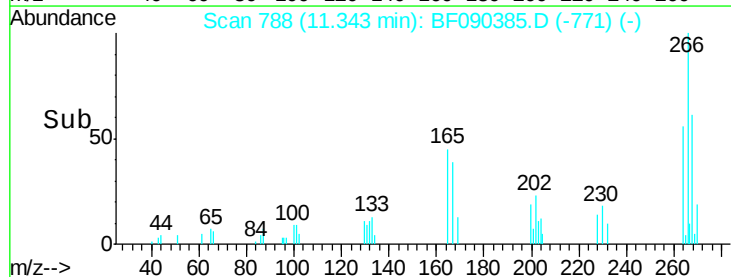
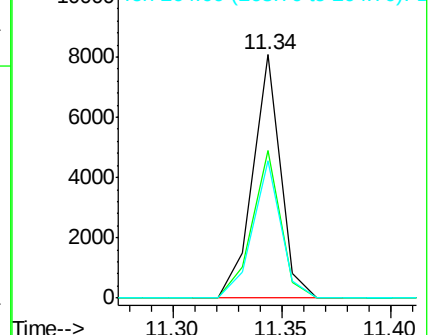
264 56.2 51.5 77.3

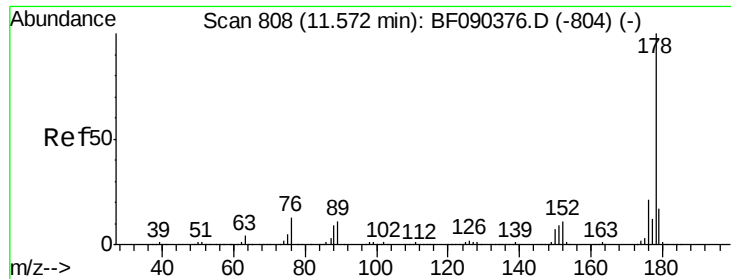


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

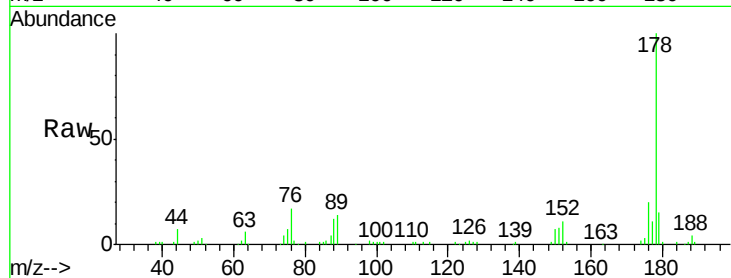




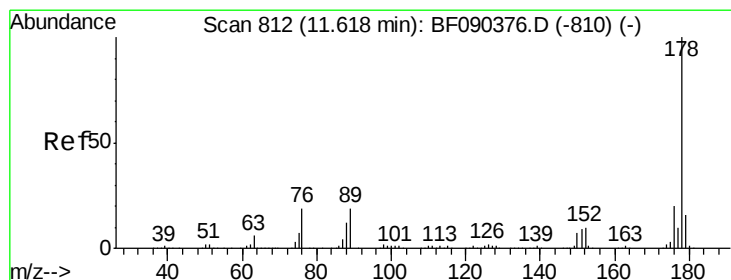
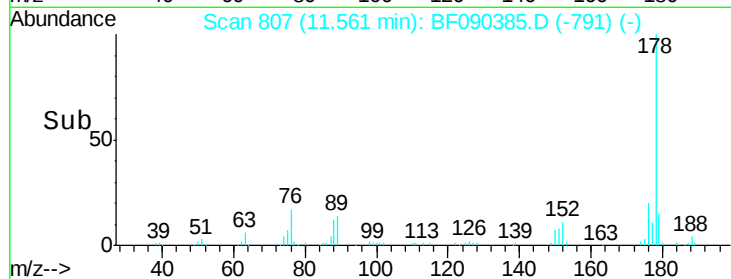
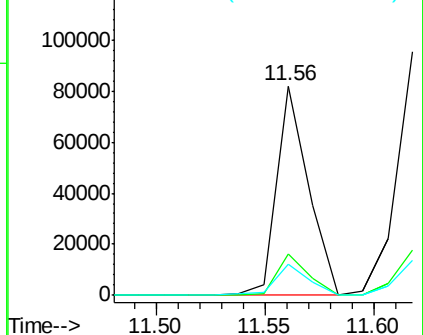
#70
Phenanthrene
Concen: 2.06 ng
RT: 11.56 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF090385.D
Acq: 5 Oct 2016 16:57

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01-QT4

Tgt Ion:178 Resp: 83909
Ion Ratio Lower Upper
178 100
176 19.7 17.3 25.9
179 14.7 13.8 20.6

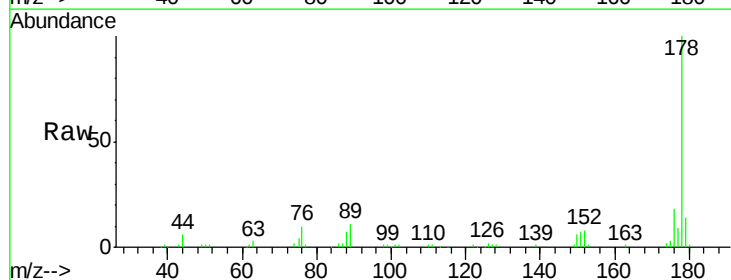


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

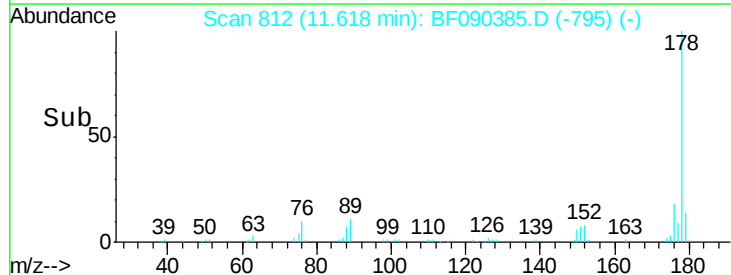
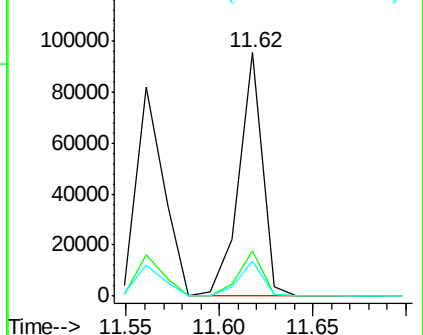


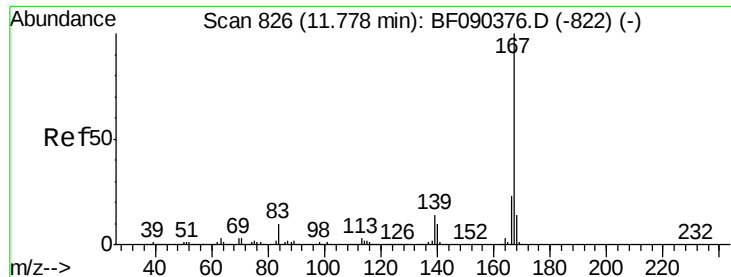
#71
Anthracene
Concen: 2.03 ng
RT: 11.62 min Scan# 812
Delta R.T. -0.00 min
Lab File: BF090385.D
Acq: 5 Oct 2016 16:57

Tgt Ion:178 Resp: 84427
Ion Ratio Lower Upper
178 100
176 18.4 16.8 25.2
179 14.4 13.4 20.2



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





#72

Carbazole

Concen: 2.17 ng

RT: 11.77 min Scan# 825

Delta R.T. -0.01 min

Lab File: BF090385.D

Acq: 5 Oct 2016 16:57

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

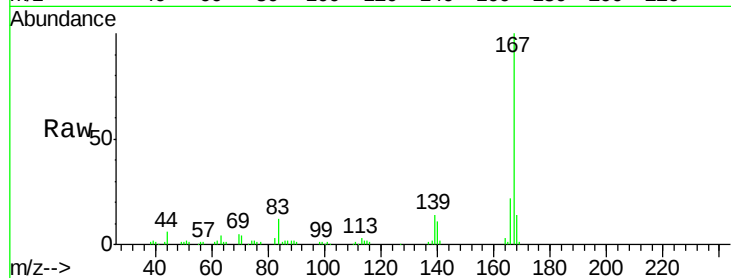
Tgt Ion:167 Resp: 83887

Ion Ratio Lower Upper

167 100

166 21.9 19.1 28.7

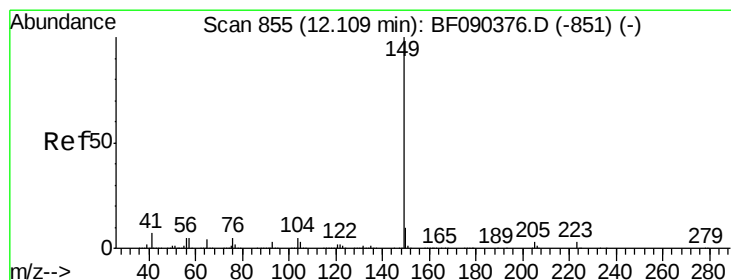
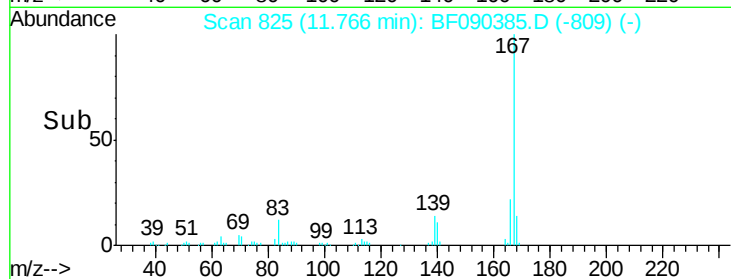
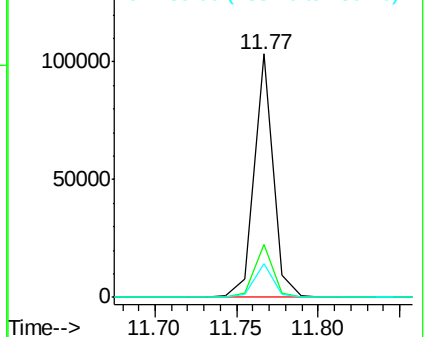
139 13.7 12.1 18.1



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#73

Di-n-butylphthalate

Concen: 2.02 ng

RT: 12.10 min Scan# 854

Delta R.T. -0.01 min

Lab File: BF090385.D

Acq: 5 Oct 2016 16:57

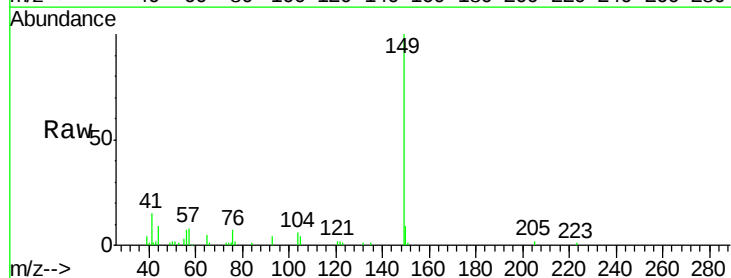
Tgt Ion:149 Resp: 95061

Ion Ratio Lower Upper

149 100

150 8.9 8.6 12.8

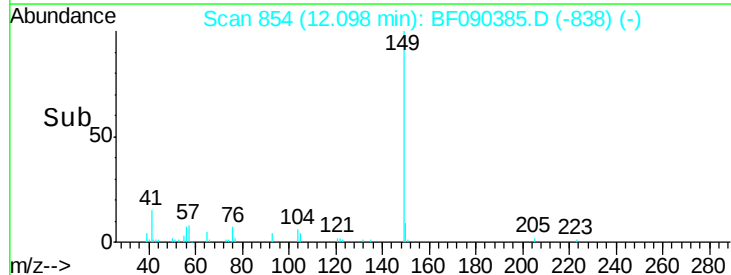
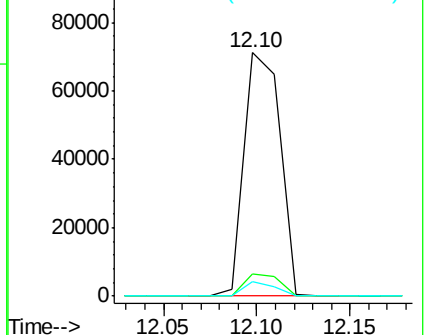
104 5.9 4.7 7.1

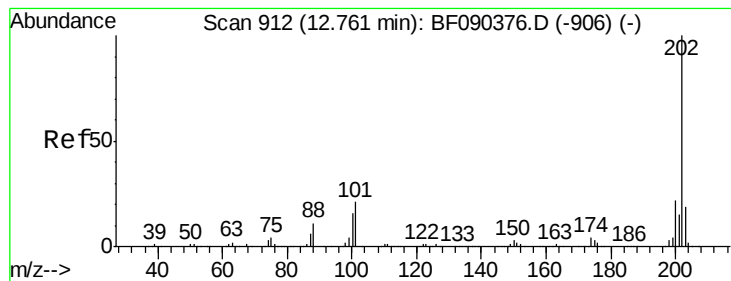


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 1.89 ng

RT: 12.76 min Scan# 912

Delta R.T. -0.00 min

Lab File: BF090385.D

Acq: 5 Oct 2016 16:57

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

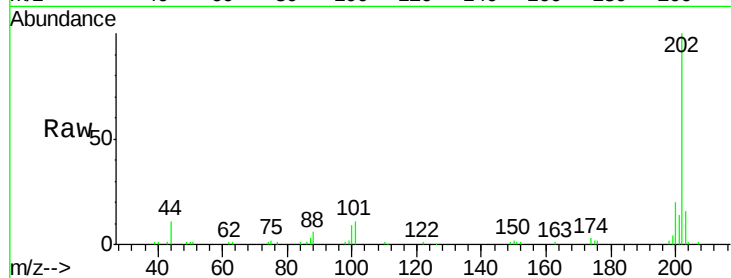
Tgt Ion:202 Resp: 75700

Ion Ratio Lower Upper

202 100

101 10.5 0.0 37.2

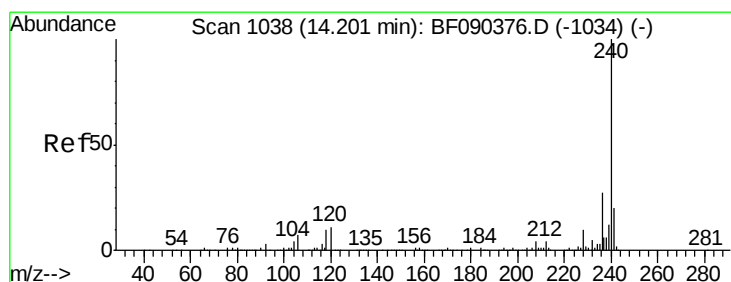
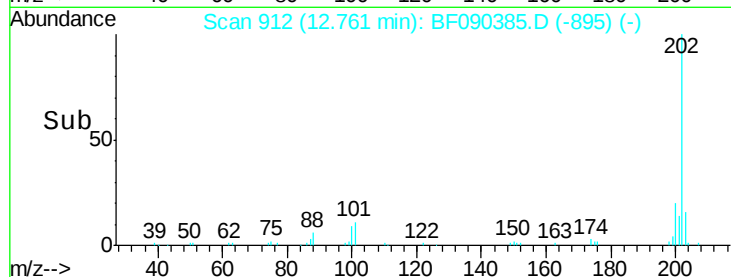
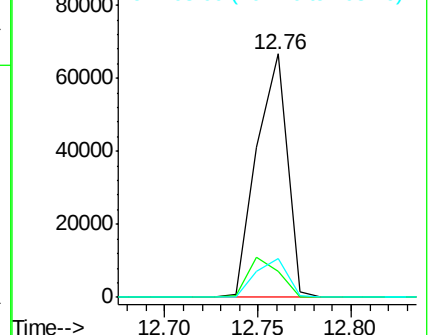
203 16.2 0.0 39.3



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.19 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF090385.D

Acq: 5 Oct 2016 16:57

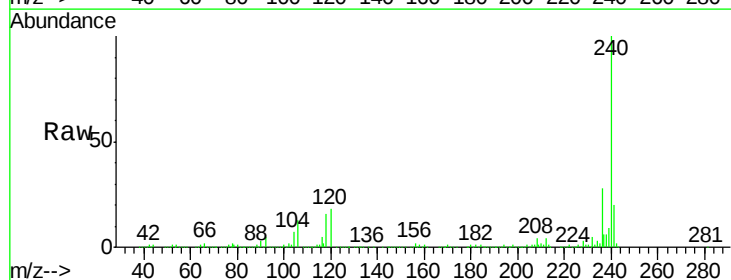
Tgt Ion:240 Resp: 667466

Ion Ratio Lower Upper

240 100

120 18.0 8.6 13.0#

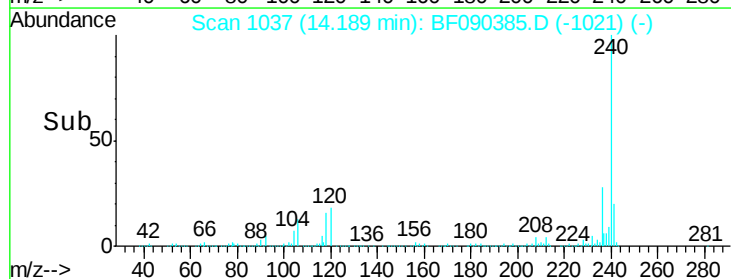
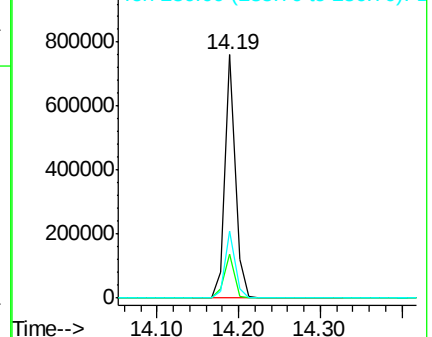
236 27.5 21.6 32.4

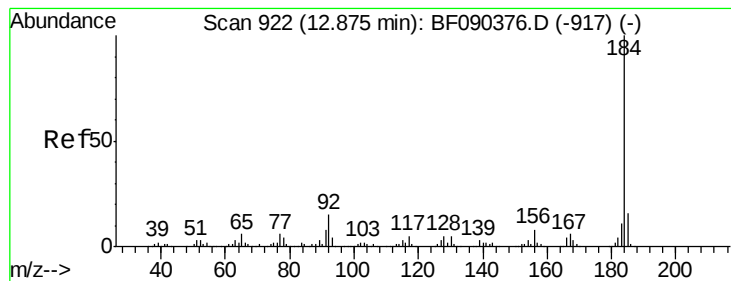


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

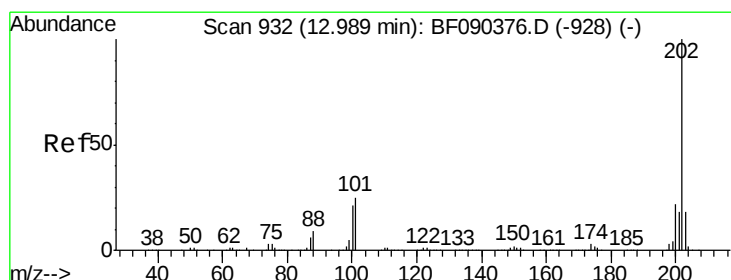
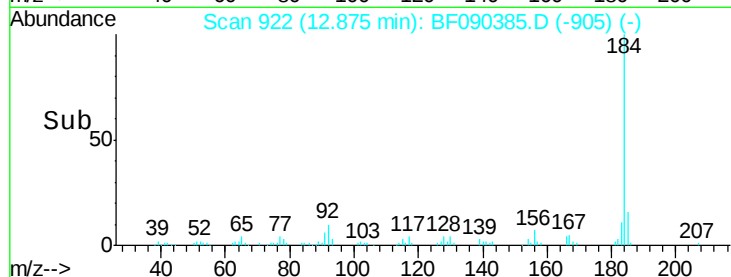
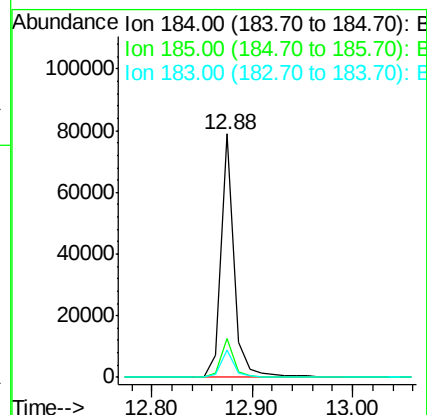
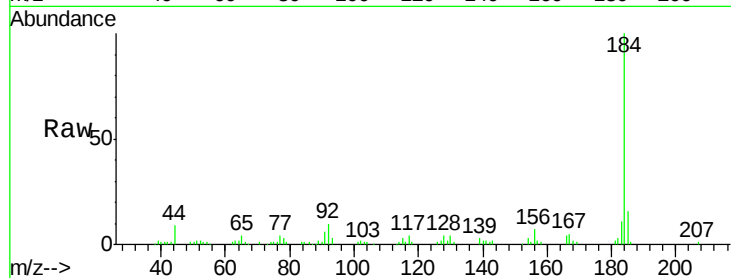




#76
Benzidine
Concen: 4.08 ng
RT: 12.88 min Scan# 922
Delta R.T. -0.00 min
Lab File: BF090385.D
Acq: 5 Oct 2016 16:57

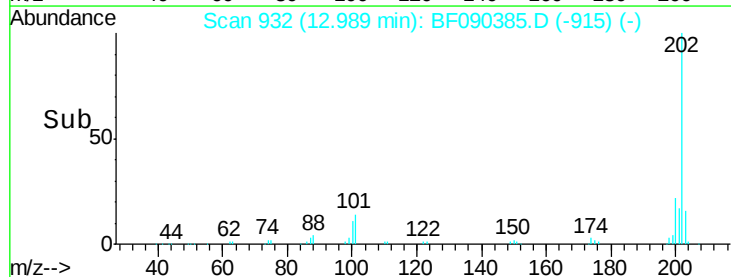
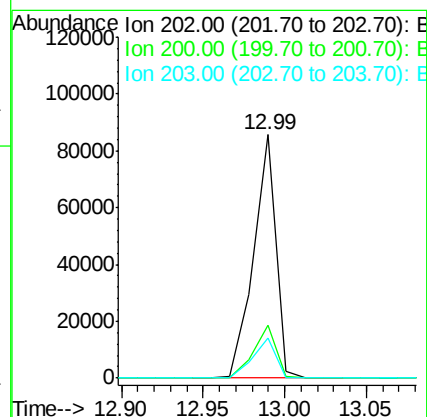
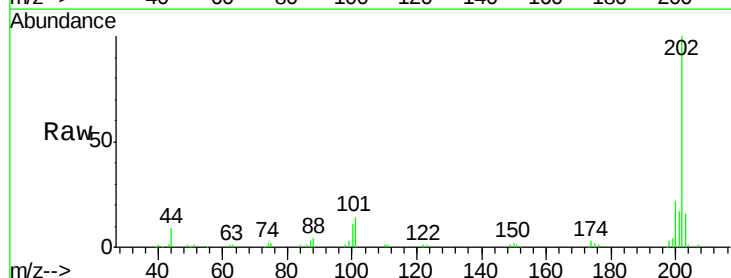
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01-QT4

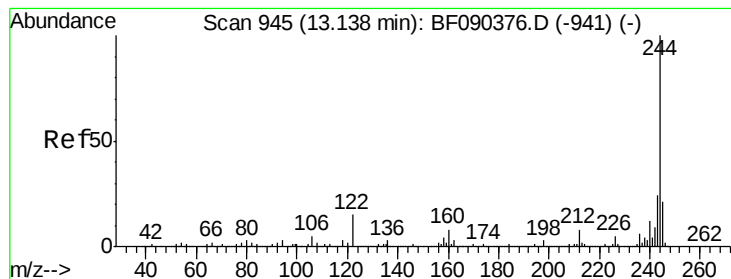
Tgt Ion:184 Resp: 71529
Ion Ratio Lower Upper
184 100
185 16.1 11.8 17.8
183 11.2 9.6 14.4



#77
Pyrene
Concen: 1.83 ng
RT: 12.99 min Scan# 932
Delta R.T. -0.00 min
Lab File: BF090385.D
Acq: 5 Oct 2016 16:57

Tgt Ion:202 Resp: 81541
Ion Ratio Lower Upper
202 100
200 21.5 18.5 27.7
203 16.4 15.0 22.6





#78

Terphenyl-d14

Concen: 88.23 ng

RT: 13.14 min Scan# 945

Delta R.T. -0.00 min

Lab File: BF090385.D

Acq: 5 Oct 2016 16:57

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

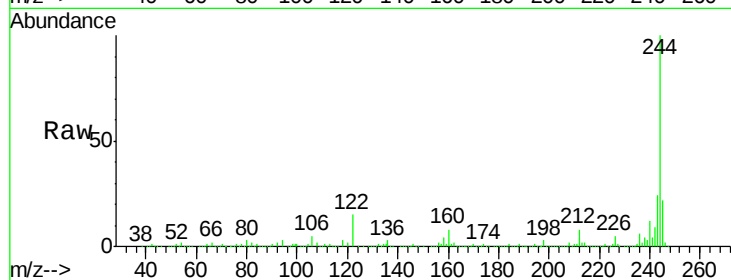
Tgt Ion:244 Resp: 2619567

Ion Ratio Lower Upper

244 100

212 8.1 6.8 10.2

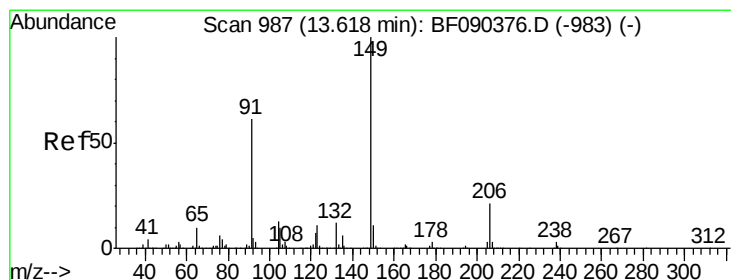
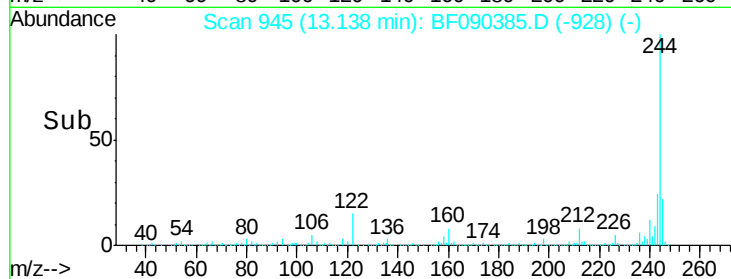
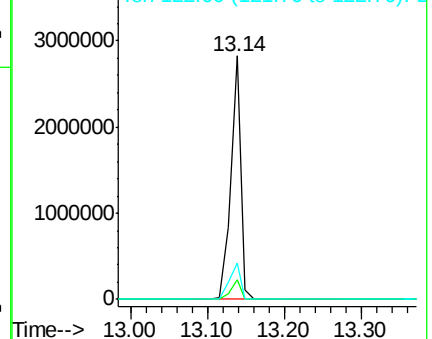
122 15.1 13.3 19.9



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: 1.67 ng

RT: 13.61 min Scan# 986

Delta R.T. -0.01 min

Lab File: BF090385.D

Acq: 5 Oct 2016 16:57

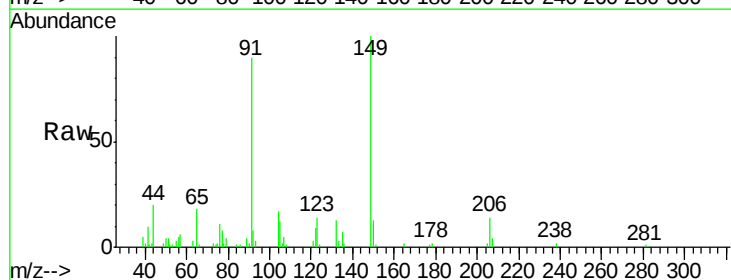
Tgt Ion:149 Resp: 38072

Ion Ratio Lower Upper

149 100

91 90.1 51.8 77.8#

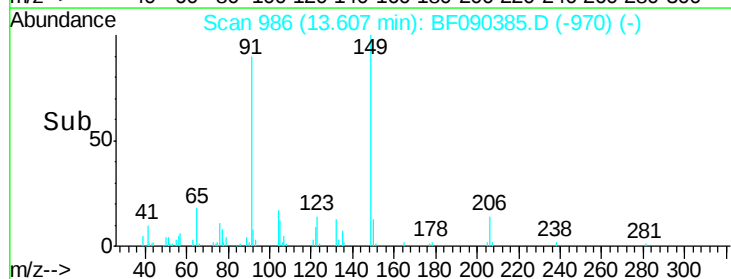
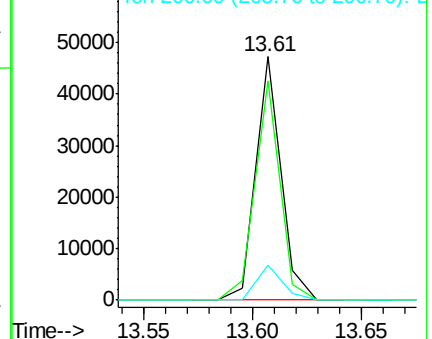
206 14.2 18.0 27.0#

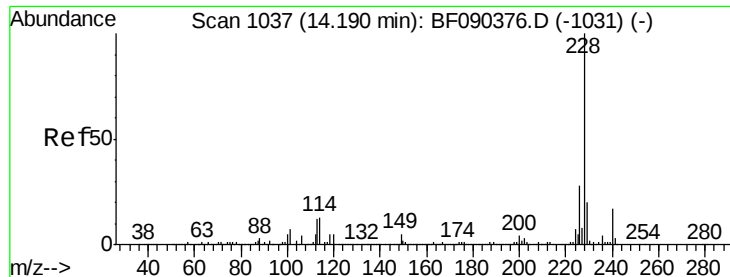


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 1.94 ng

RT: 14.18 min Scan# 1036

Delta R.T. -0.01 min

Lab File: BF090385.D

Acq: 5 Oct 2016 16:57

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

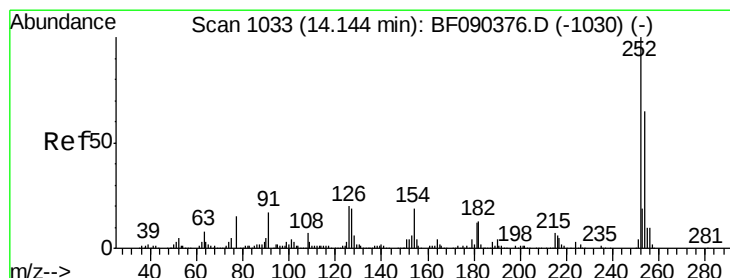
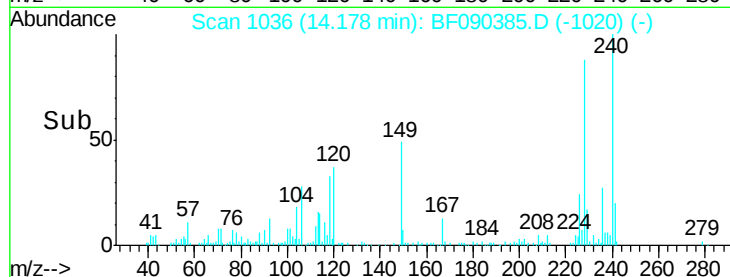
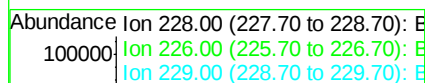
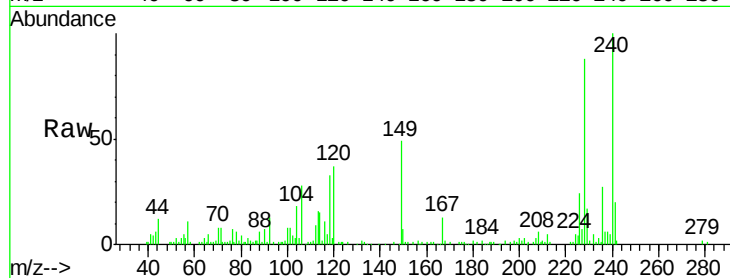
Tgt Ion:228 Resp: 72557

Ion Ratio Lower Upper

228 100

226 27.1 23.6 35.4

229 19.3 16.6 25.0



#81

3,3'-Dichlorobenzidine

Concen: 1.54 ng

RT: 14.14 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BF090385.D

Acq: 5 Oct 2016 16:57

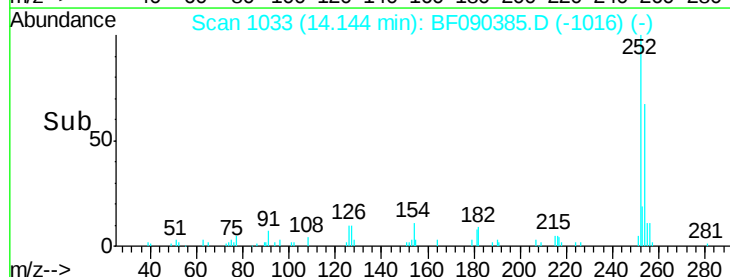
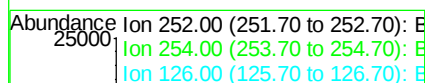
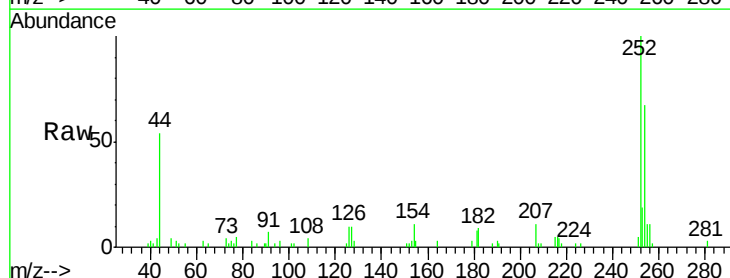
Tgt Ion:252 Resp: 20920

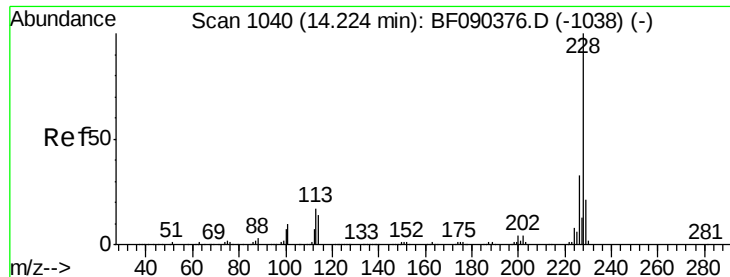
Ion Ratio Lower Upper

252 100

254 66.6 52.1 78.1

126 10.3 4.2 6.4#





#82

Chrysene

Concen: 1.90 ng

RT: 14.21 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF090385.D

Acq: 5 Oct 2016 16:57

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

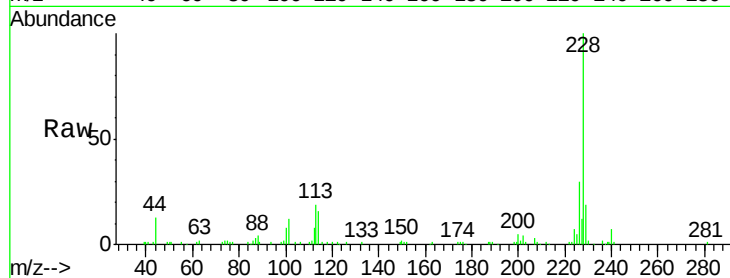
Tgt Ion:228 Resp: 65319

Ion Ratio Lower Upper

228 100

226 30.4 25.8 38.6

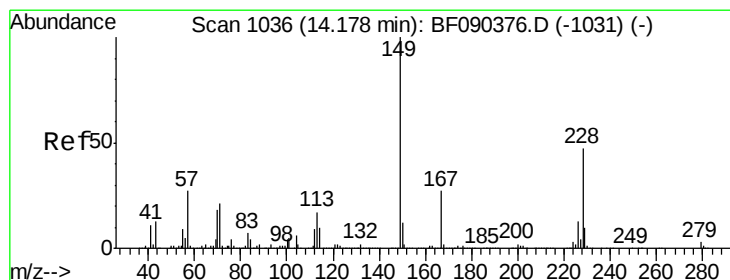
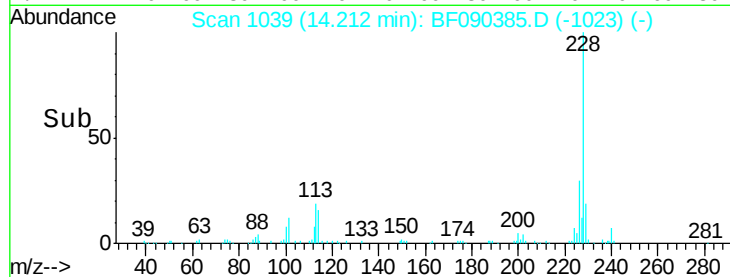
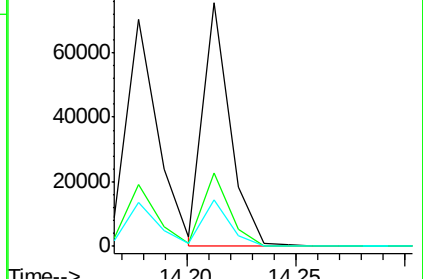
229 19.0 16.9 25.3



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: 1.70 ng

RT: 14.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF090385.D

Acq: 5 Oct 2016 16:57

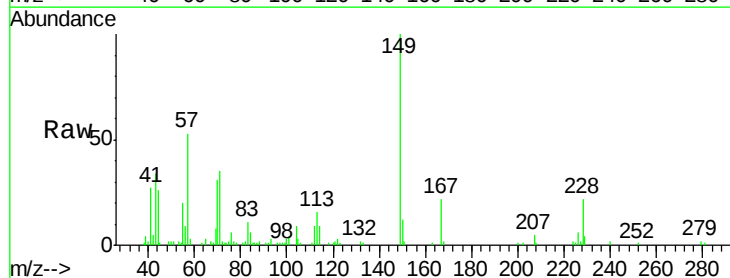
Tgt Ion:149 Resp: 55331

Ion Ratio Lower Upper

149 100

167 22.3 21.5 32.3

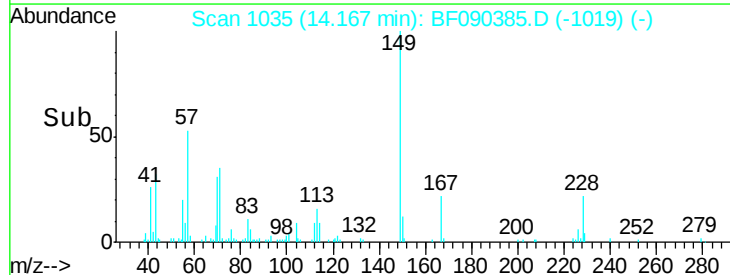
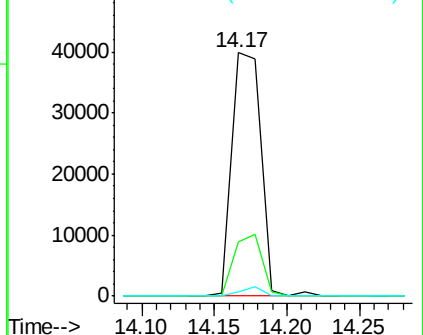
279 1.6 2.6 3.8#

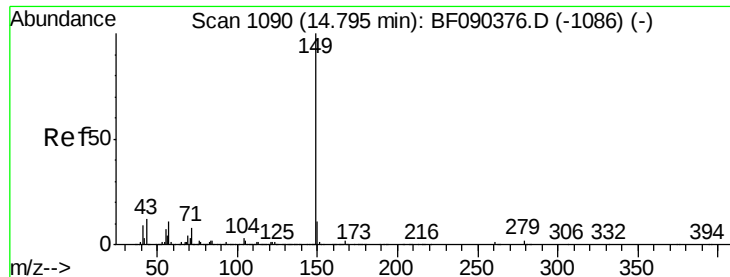


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 1.79 ng

RT: 14.80 min Scan# 1090

Delta R.T. -0.00 min

Lab File: BF090385.D

Acq: 5 Oct 2016 16:57

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

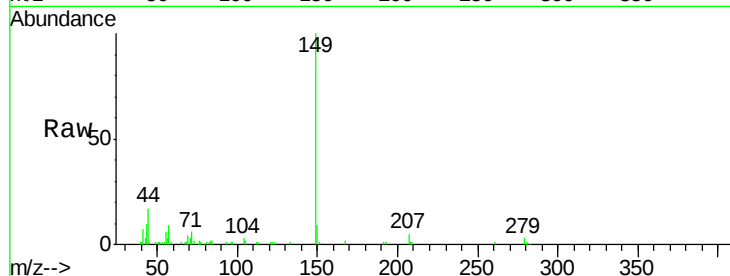
Tgt Ion:149 Resp: 86208

Ion Ratio Lower Upper

149 100

167 1.4 1.3 1.9

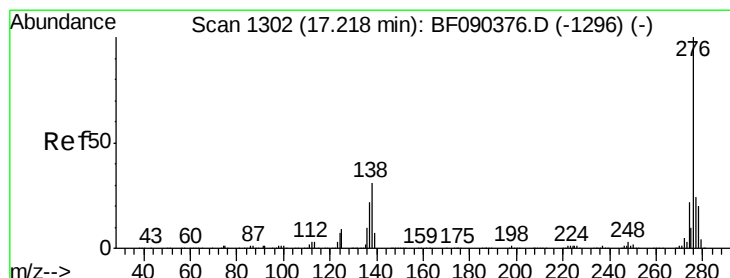
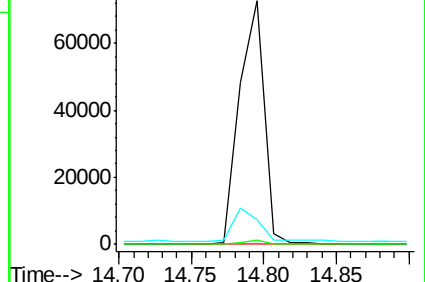
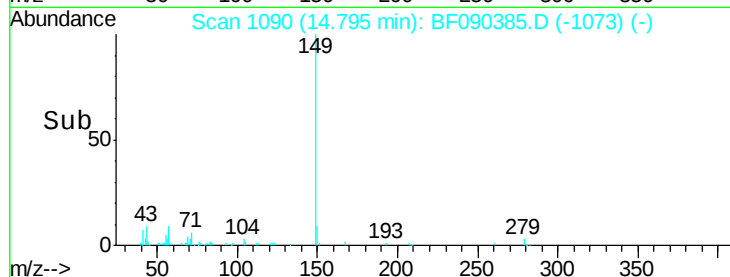
43 15.3 11.8 17.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#85

Indeno(1,2,3-cd)pyrene

Concen: 1.69 ng

RT: 17.21 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BF090385.D

Acq: 5 Oct 2016 16:57

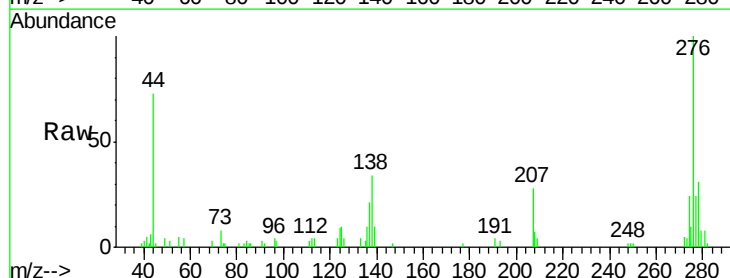
Tgt Ion:276 Resp: 41537

Ion Ratio Lower Upper

276 100

138 36.0 23.8 35.8#

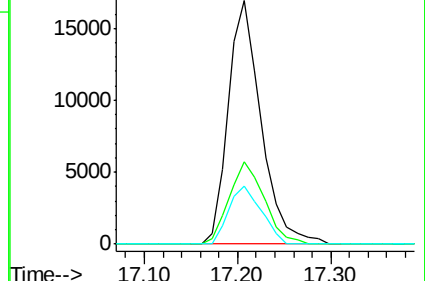
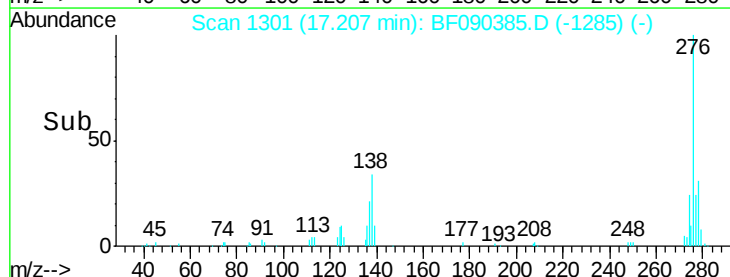
277 23.6 20.4 30.6

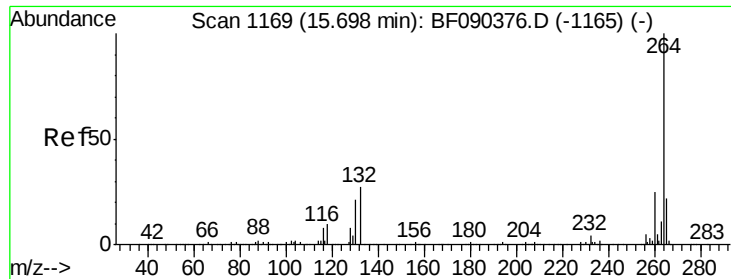


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

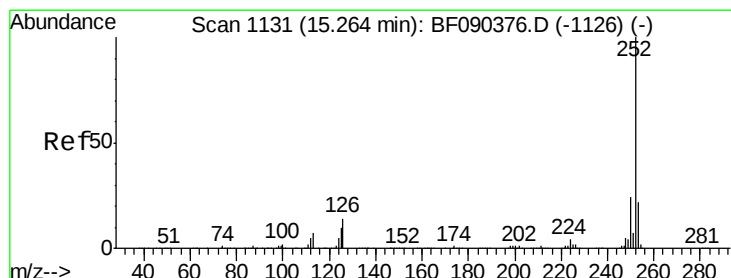
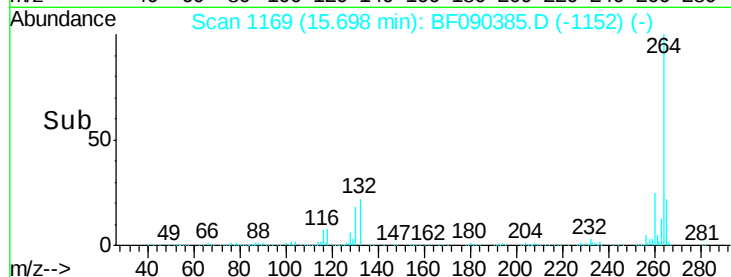
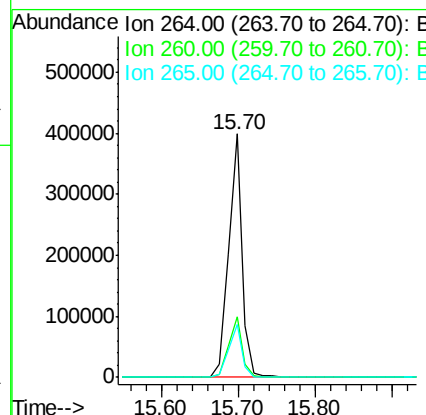
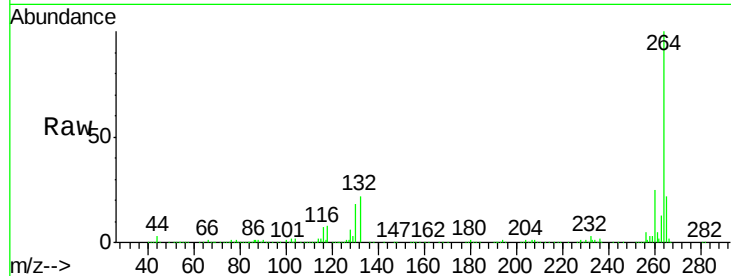




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.70 min Scan# 1169
Delta R.T. -0.00 min
Lab File: BF090385.D
Acq: 5 Oct 2016 16:57

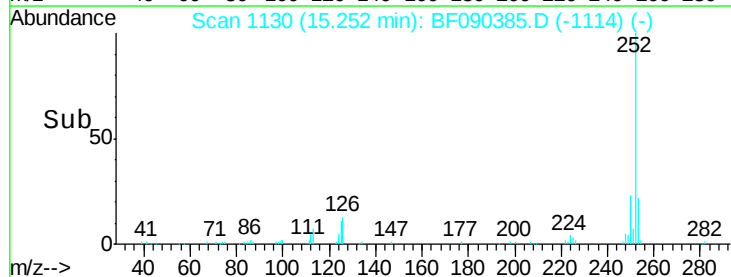
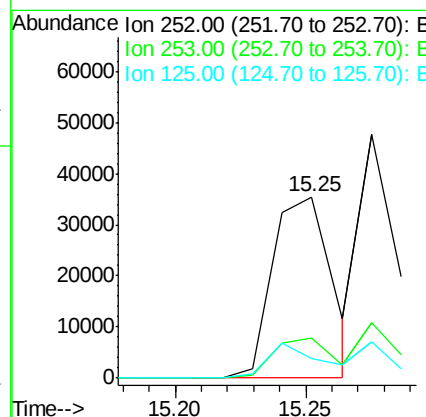
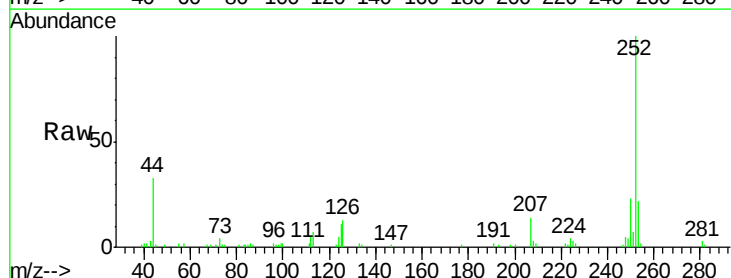
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01-QT4

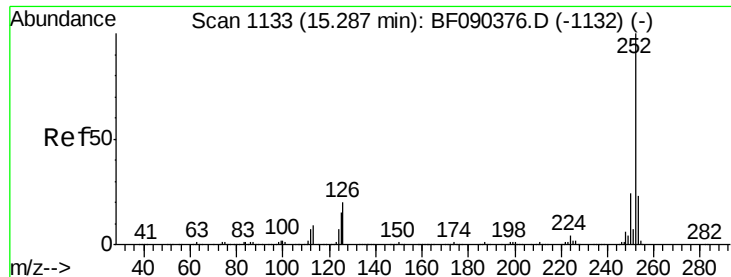
Tgt Ion: 264 Resp: 496758
Ion Ratio Lower Upper
264 100
260 25.0 19.3 28.9
265 21.9 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 1.76 ng
RT: 15.25 min Scan# 1130
Delta R.T. -0.01 min
Lab File: BF090385.D
Acq: 5 Oct 2016 16:57

Tgt Ion: 252 Resp: 55663
Ion Ratio Lower Upper
252 100
253 22.0 18.2 27.2
125 10.7 7.0 10.4#

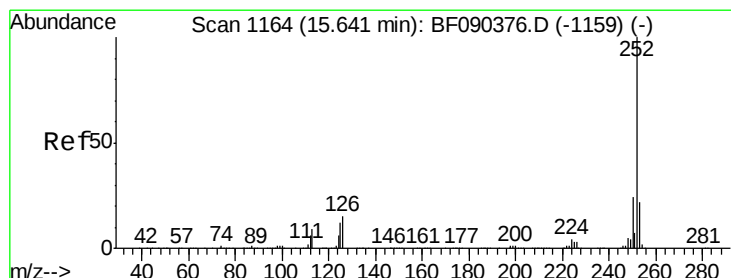
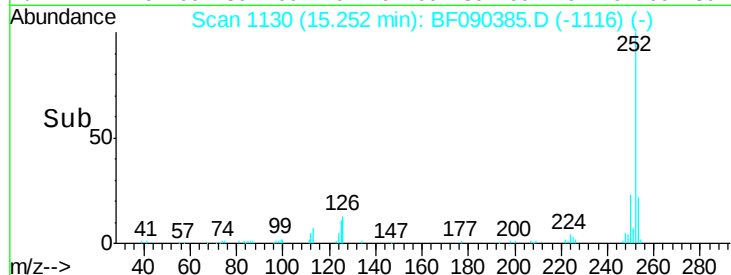
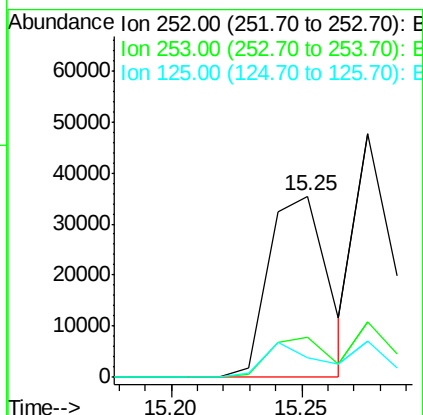
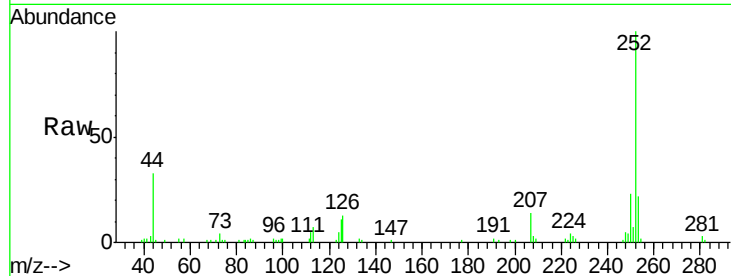




#88
Benzo(k)fluoranthene
Concen: 1.87 ng
RT: 15.25 min Scan# 1130
Delta R.T. -0.03 min
Lab File: BF090385.D
Acq: 5 Oct 2016 16:57

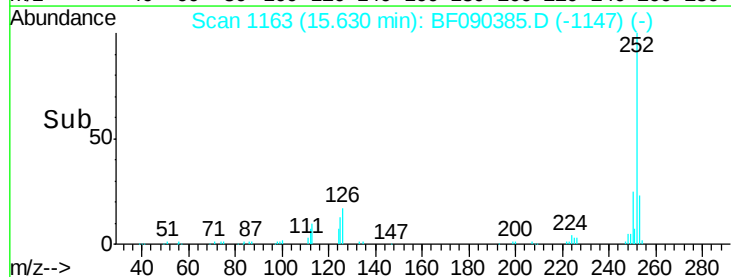
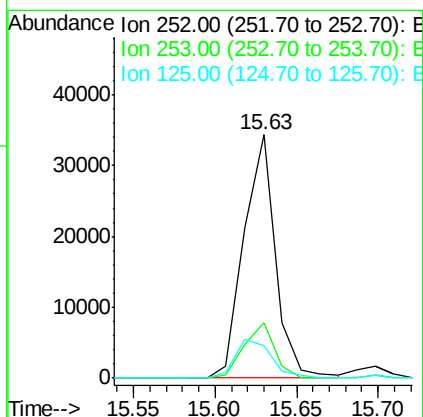
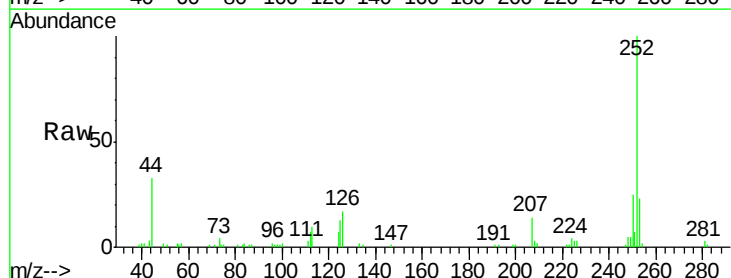
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01-QT4

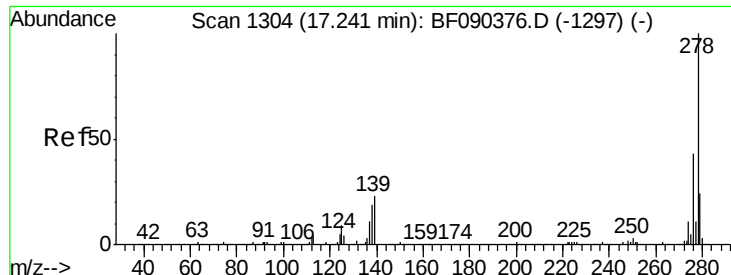
Tgt Ion:252 Resp: 55663
Ion Ratio Lower Upper
252 100
253 22.0 18.6 27.8
125 10.7 11.7 17.5#



#89
Benzo(a)pyrene
Concen: 1.69 ng
RT: 15.63 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BF090385.D
Acq: 5 Oct 2016 16:57

Tgt Ion:252 Resp: 46047
Ion Ratio Lower Upper
252 100
253 22.6 18.2 27.4
125 13.1 9.8 14.8



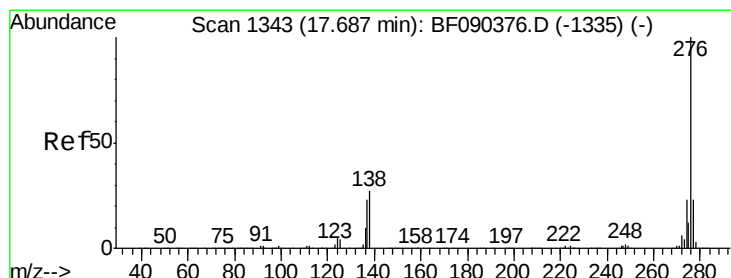
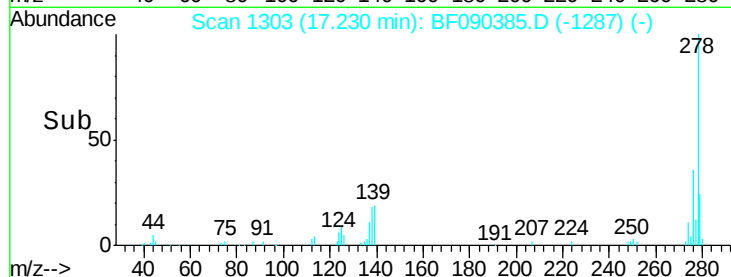
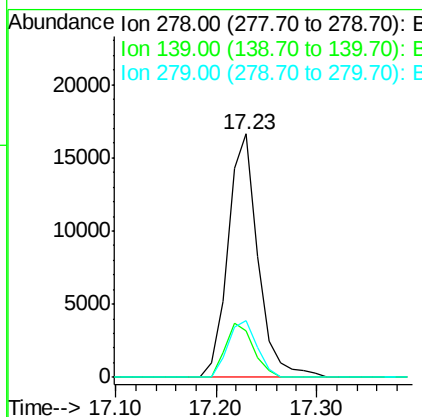
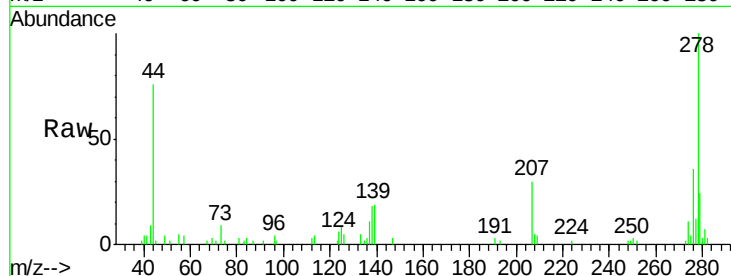


#90
Dibenzo(a,h)anthracene
Concen: 1.49 ng
RT: 17.23 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF090385.D
Acq: 5 Oct 2016 16:57

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01-QT4

Tgt Ion:278 Resp: 34513

Ion	Ratio	Lower	Upper
278	100		
139	19.2	12.8	19.2#
279	23.5	19.6	29.4



#91
Benzo(g,h,i)perylene
Concen: 1.49 ng
RT: 17.65 min Scan# 1340
Delta R.T. -0.03 min
Lab File: BF090385.D
Acq: 5 Oct 2016 16:57

Tgt Ion:276 Resp: 33144

Ion	Ratio	Lower	Upper
276	100		
277	22.6	19.4	29.0
138	28.2	20.8	31.2

