

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070516\
 Data File : BE091975.D
 Acq On : 5 Jul 2016 23:40
 Operator : UM/SJ
 Sample : H3606-03
 Misc : LOD0.5
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LOD-SOIL2016-01

Quant Time: Jul 06 05:54:16 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE070516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 05 16:14:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	21977	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	99895	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	71071	5.00	ng	0.00
24) Phenanthrene-d10	17.59	188	158722	5.00	ng	0.00
31) Chrysene-d12	21.76	240	290567	5.00	ng	0.00
40) Perylene-d12	24.18	264	229500	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.72	112	34039	6.47	ng	0.00
5) Phenol-d6	7.35	99	45122	6.18	ng	-0.02
9) Nitrobenzene-d5	9.36	82	25180	3.70	ng	-0.02
16) 2,4,6-Tribromophenol	16.35	330	12481	4.96	ng	0.00
17) 2-Fluorobiphenyl	13.49	172	65858	3.80	ng	0.00
34) Terphenyl-d14	20.22	244	111284	3.25	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	3.47	88	287	0.10	ng	89
3) n-Nitrosodimethylamine	3.85	42	188	0.08	ng	# 84
6) bis(2-Chloroethyl)ether	7.63	93	365	0.06	ng	# 86
7) n-Nitroso-di-n-propylamine	9.02	70	386	0.06	ng	# 96
10) Nitrobenzene	9.40	77	599	0.08	ng	# 88
11) bis(2-Chloroethoxy)methane	10.50	93	490	0.06	ng	# 17
12) Naphthalene	11.04	128	1732	0.07	ng	# 88
13) Hexachlorobutadiene	11.34	225	265	0.07	ng	97
14) 2-Methylnaphthalene	12.69	142	1039	0.07	ng	# 94
18) Acenaphthylene	14.59	152	5651	0.06	ng	# 67
19) 2,6-Dinitrotoluene	14.13	165	2407	0.24	ng	# 29
20) Acenaphthene	14.92	154	1614	0.08	ng	# 1
21) 2,4-Dinitrotoluene	15.25	165	3917	0.39	ng	# 94
22) Fluorene	15.91	166	1445	0.07	ng	98
23) 4-Chlorophenyl-phenylether	15.91	204	731	0.07	ng	97
25) 4-Bromophenyl-phenylether	16.80	248	444	0.06	ng	99
26) Hexachlorobenzene	16.92	284	500	0.07	ng	96
28) Phenanthrene	17.73	178	2302	0.06	ng	98
29) Anthracene	17.73	178	2509	0.06	ng	99
30) Fluoranthene	19.65	202	13391	0.08	ng	# 88
32) Benzidine	19.86	184	478	0.23	ng	# 22
33) Pyrene	20.02	202	13238	0.06	ng	# 80
35) Benzo(a)anthracene	21.79	228	9745	0.20	ng	# 90
36) 3,3'-Dichlorobenzidine	21.70	252	670	Below Cal		# 88
37) Chrysene	21.79	228	9882	0.14	ng	99
38) Bis(2-ethylhexyl)phthalate	21.64	149	3471	0.06	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.70	276	16806	0.06	ng	98
41) Benzo(b)fluoranthene	23.44	252	4056	0.06	ng	# 92
42) Benzo(k)fluoranthene	23.48	252	4036	0.07	ng	# 95
43) Benzo(a)pyrene	24.06	252	3784	0.06	ng	# 92
44) Dibenzo(a,h)anthracene	26.73	278	3337	0.06	ng	# 90
45) Benzo(g,h,i)perylene	27.48	276	15084	0.07	ng	92

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QLast Update : Tue Jul 05 16:14:58 2016
Response via : Initial Calibration

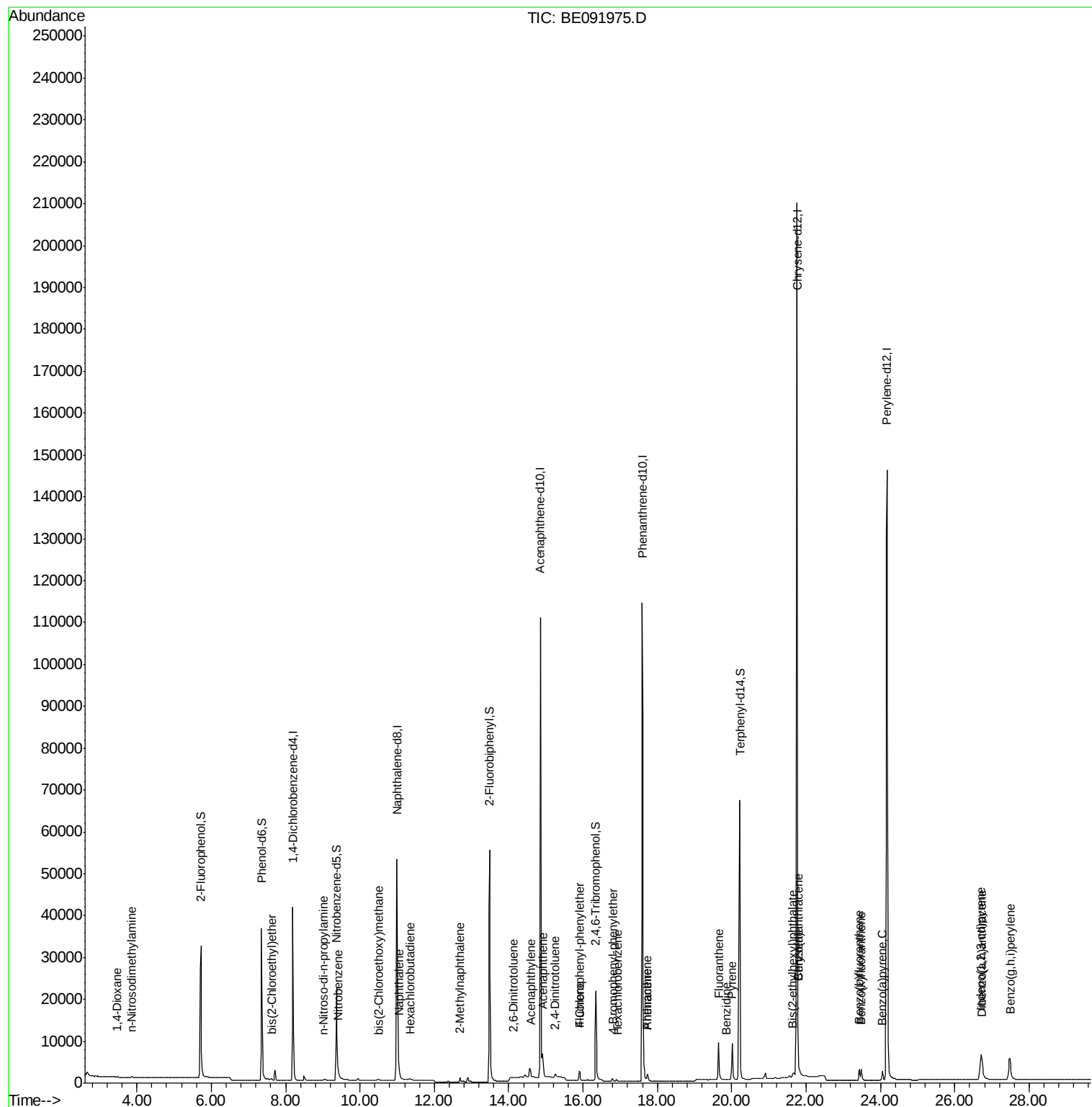
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

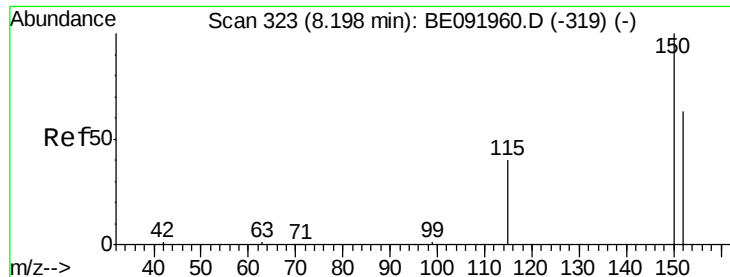
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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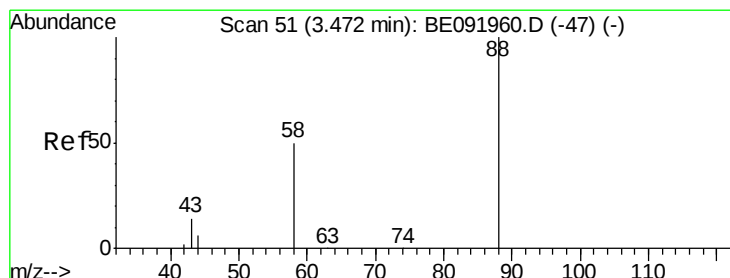
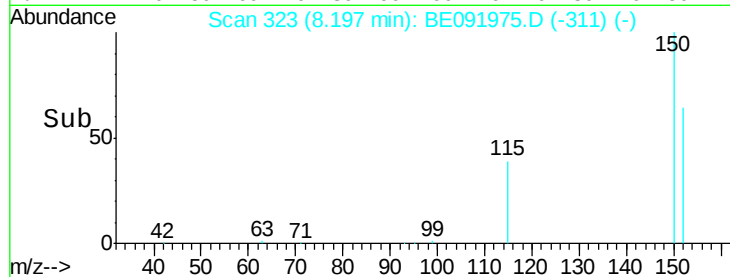
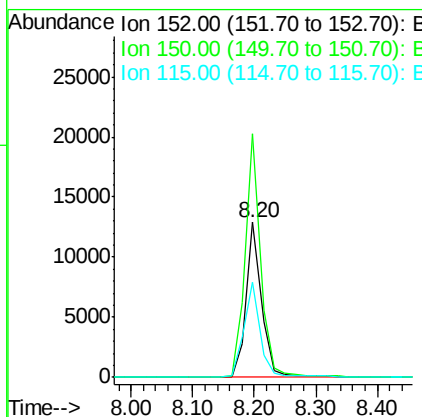
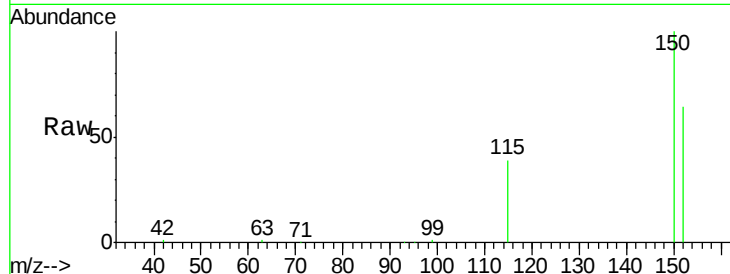




#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 8.20 min Scan# 323
 Delta R.T. -0.00 min
 Lab File: BE091975.D
 Acq: 5 Jul 2016 23:40

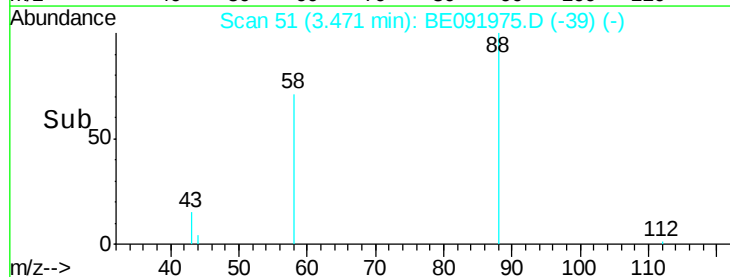
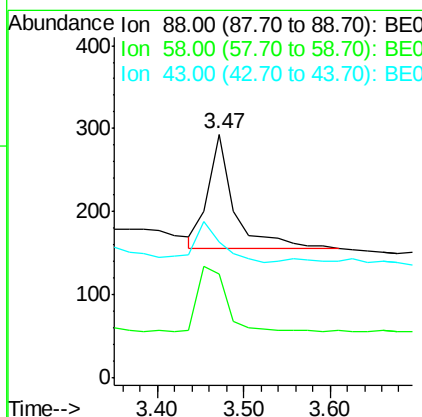
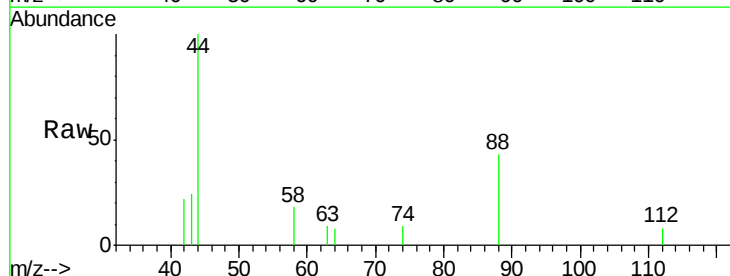
Instrument :
 BNA_E
 ClientSampleId :
 LOD-SOIL2016-01

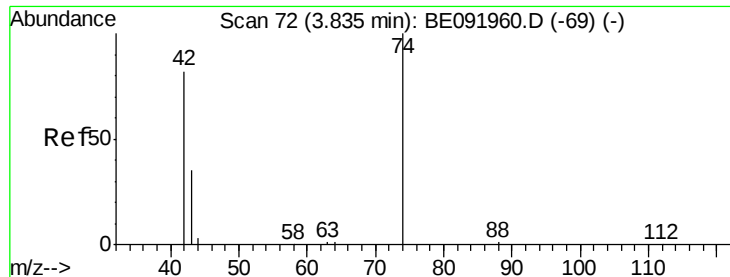
Tgt Ion: 152 Resp: 21977
 Ion Ratio Lower Upper
 152 100
 150 157.1 123.9 185.9
 115 61.6 48.3 72.5



#2
 1,4-Dioxane
 Concen: 0.10 ng
 RT: 3.47 min Scan# 51
 Delta R.T. -0.00 min
 Lab File: BE091975.D
 Acq: 5 Jul 2016 23:40

Tgt Ion: 88 Resp: 287
 Ion Ratio Lower Upper
 88 100
 58 65.9 63.0 94.4
 43 37.6 29.1 43.7





#3

n-Nitrosodimethylamine

Concen: 0.08 ng

RT: 3.85 min Scan# 73

Delta R.T. 0.02 min

Lab File: BE091975.D

Acq: 5 Jul 2016 23:40

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL2016-01

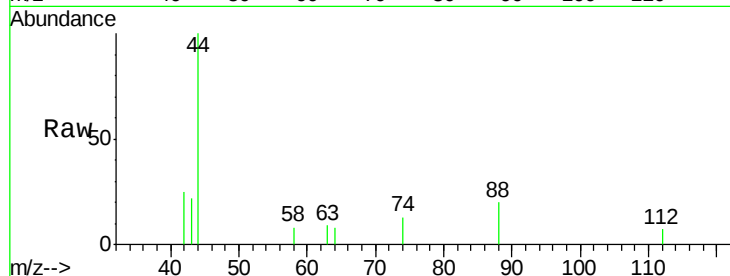
Tgt Ion: 42 Resp: 188

Ion Ratio Lower Upper

42 100

74 98.9 93.4 140.0

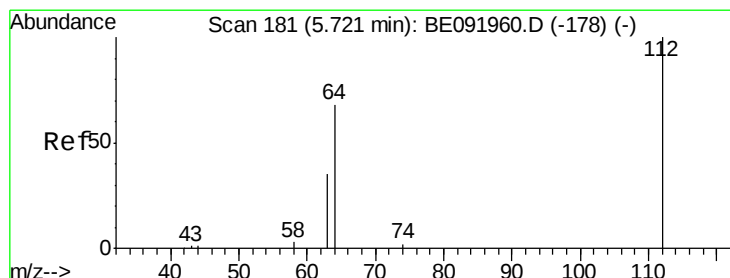
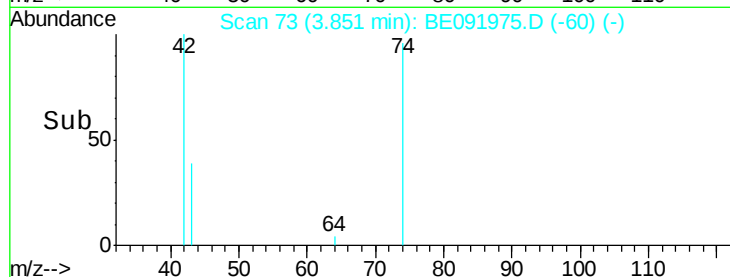
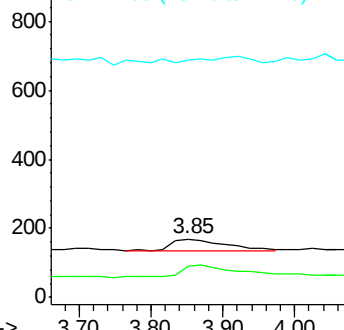
44 0.0 5.0 7.6#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 6.47 ng

RT: 5.72 min Scan# 181

Delta R.T. -0.00 min

Lab File: BE091975.D

Acq: 5 Jul 2016 23:40

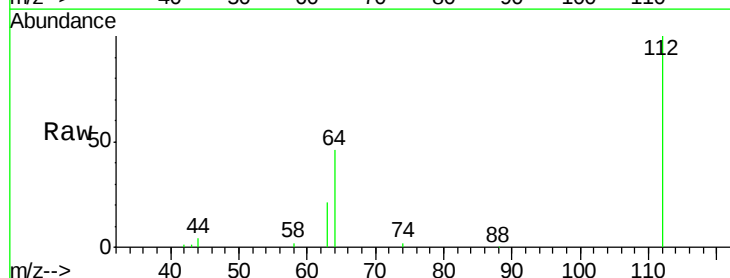
Tgt Ion: 112 Resp: 34039

Ion Ratio Lower Upper

112 100

64 67.2 53.7 80.5

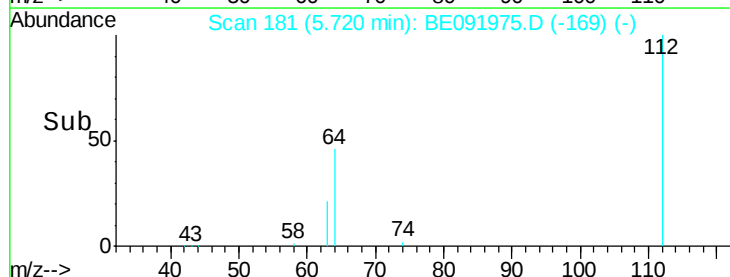
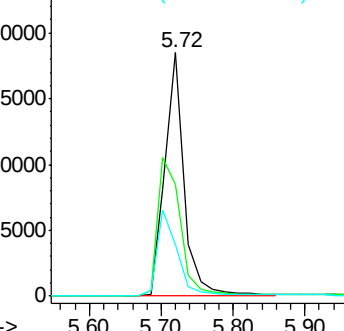
63 36.5 29.5 44.3

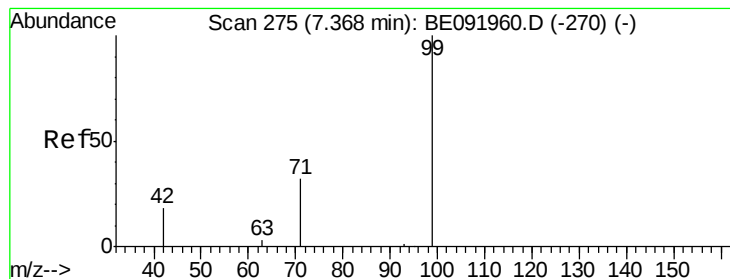


Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 6.18 ng

RT: 7.35 min Scan# 274

Delta R.T. -0.02 min

Lab File: BE091975.D

Acq: 5 Jul 2016 23:40

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL2016-01

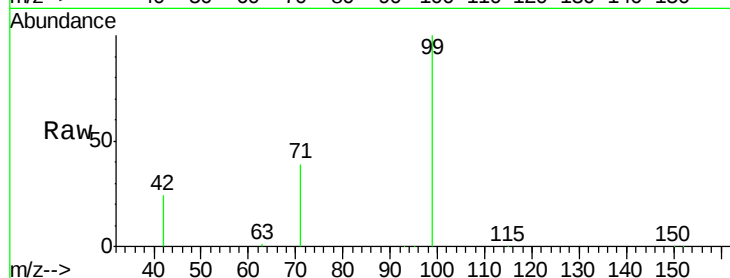
Tgt Ion: 99 Resp: 45122

Ion Ratio Lower Upper

99 100

42 24.2 19.6 29.4

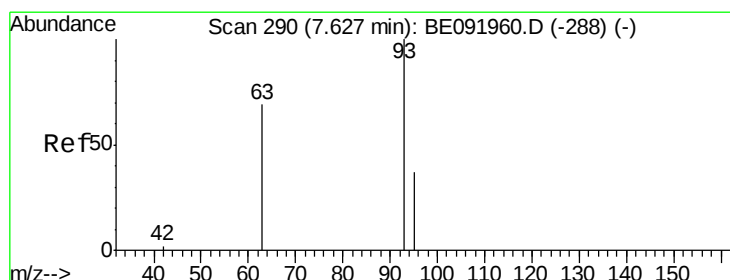
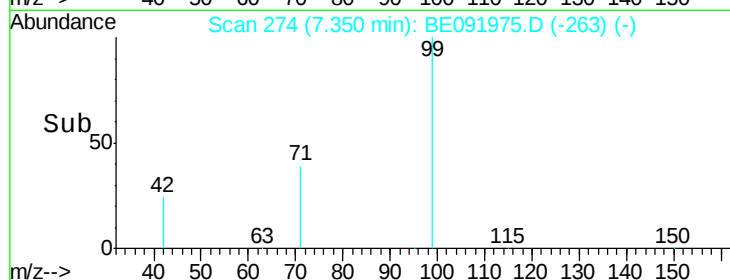
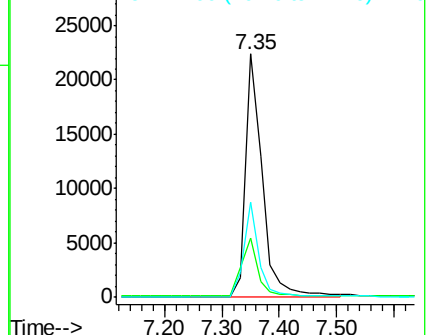
71 35.3 28.1 42.1



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.06 ng

RT: 7.63 min Scan# 290

Delta R.T. -0.00 min

Lab File: BE091975.D

Acq: 5 Jul 2016 23:40

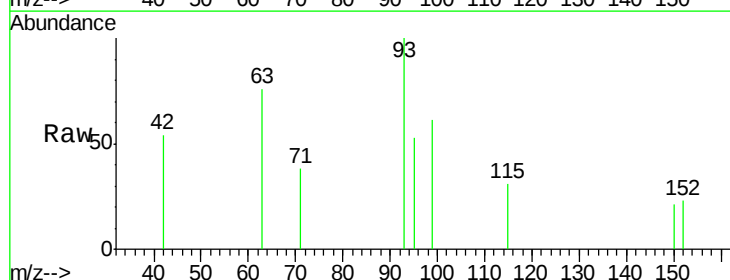
Tgt Ion: 93 Resp: 365

Ion Ratio Lower Upper

93 100

63 94.8 66.2 99.4

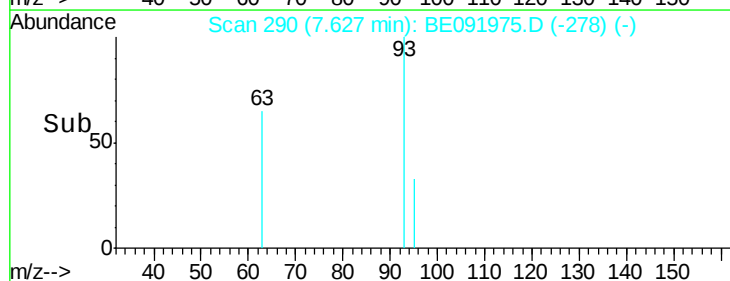
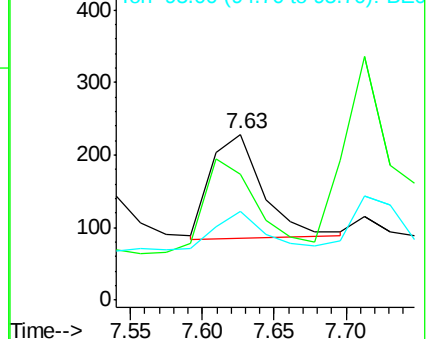
95 41.6 25.5 38.3#

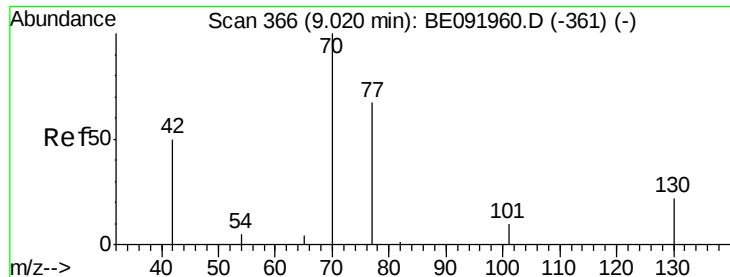


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

n-Nitroso-di-n-propylamine

Concen: 0.06 ng

RT: 9.02 min Scan# 366

Delta R.T. -0.00 min

Lab File: BE091975.D

Acq: 5 Jul 2016 23:40

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL2016-01

Tgt Ion: 70 Resp: 386

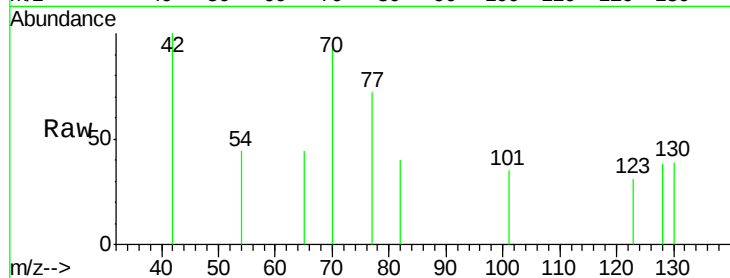
Ion Ratio Lower Upper

70 100

42 75.9 58.4 87.6

101 6.0 6.4 9.6#

130 11.4 0.0 0.0#

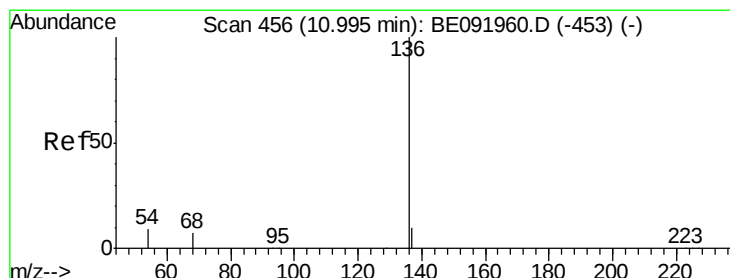
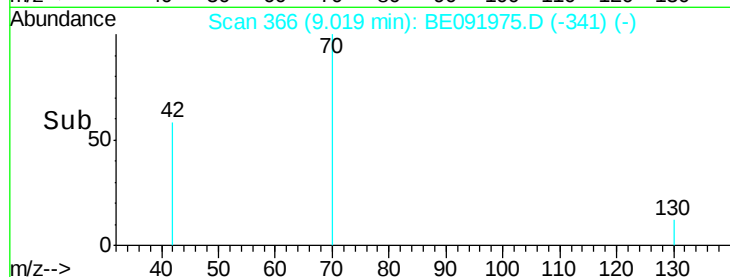
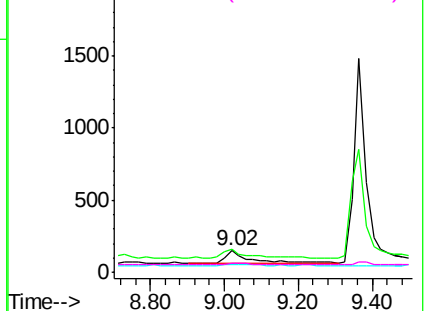


Abundance Ion 70.00 (69.70 to 70.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.99 min Scan# 456

Delta R.T. -0.00 min

Lab File: BE091975.D

Acq: 5 Jul 2016 23:40

Tgt Ion: 136 Resp: 99895

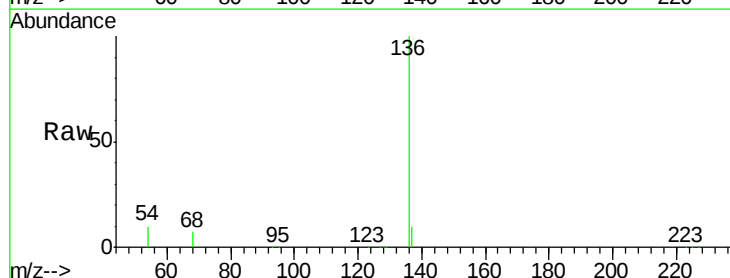
Ion Ratio Lower Upper

136 100

137 10.0 8.3 12.5

54 9.7 8.2 12.4

68 7.1 5.9 8.9

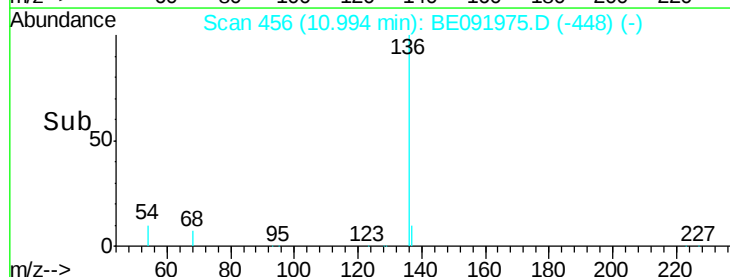
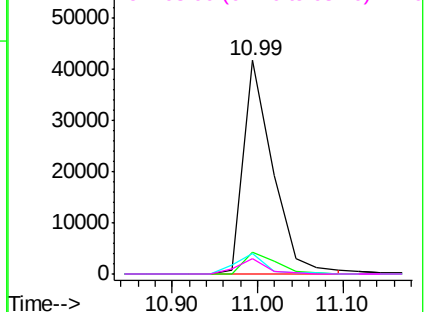


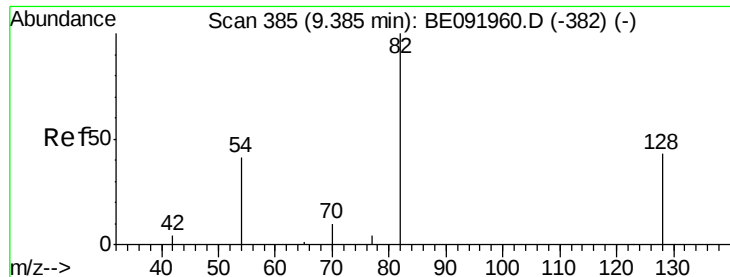
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0





#9

Nitrobenzene-d5

Concen: 3.70 ng

RT: 9.36 min Scan# 384

Delta R.T. -0.02 min

Lab File: BE091975.D

Acq: 5 Jul 2016 23:40

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LOD-SOIL2016-01

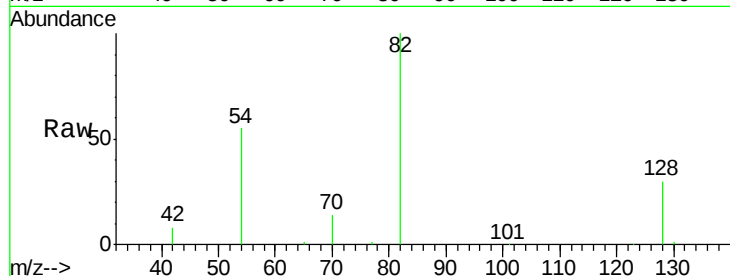
Tgt Ion: 82 Resp: 25180

Ion Ratio Lower Upper

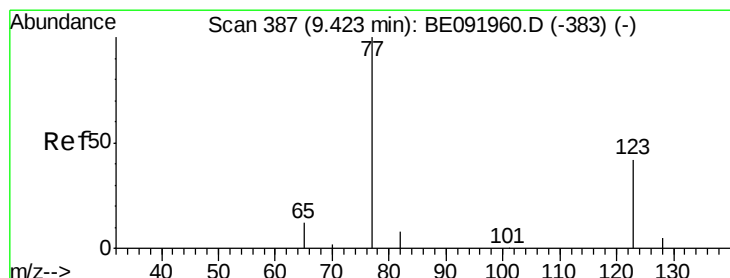
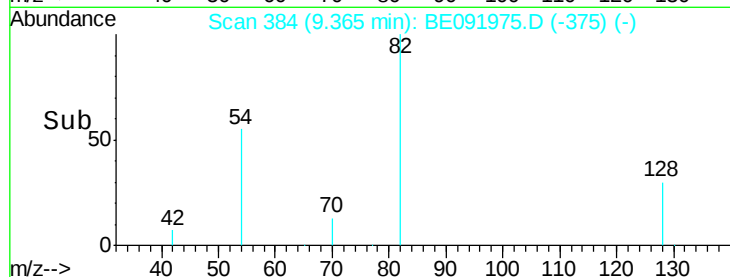
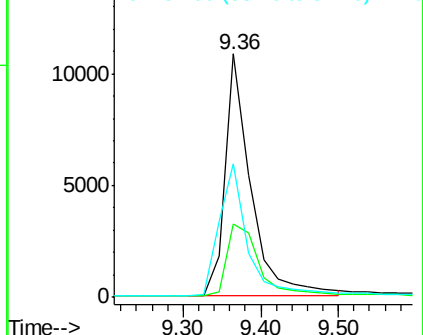
82 100

128 30.2 39.5 59.3#

54 55.0 30.3 45.5#



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): BE0
Ion 54.00 (53.70 to 54.70): BE0



#10

Nitrobenzene

Concen: 0.08 ng

RT: 9.40 min Scan# 386

Delta R.T. -0.02 min

Lab File: BE091975.D

Acq: 5 Jul 2016 23:40

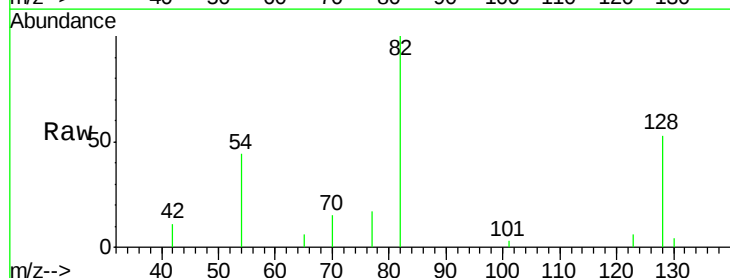
Tgt Ion: 77 Resp: 599

Ion Ratio Lower Upper

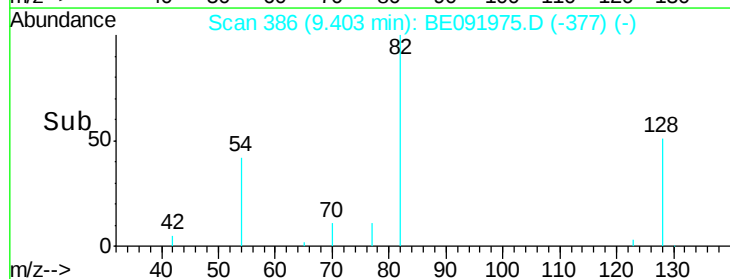
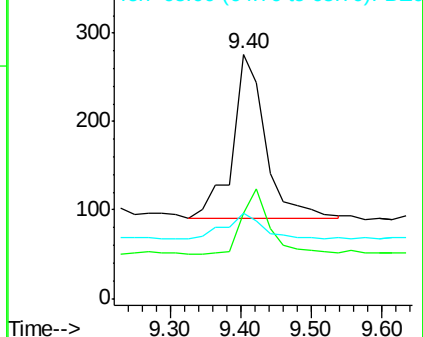
77 100

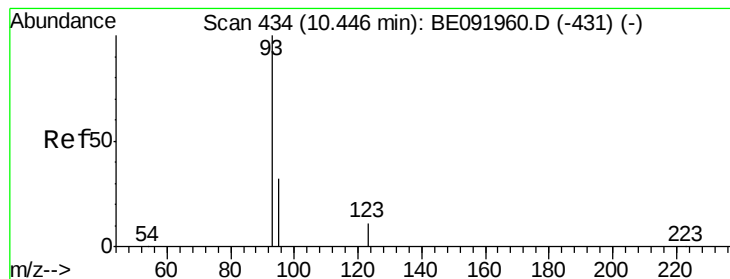
123 34.4 0.0 0.0#

65 18.9 11.1 16.7#



Abundance Ion 77.00 (76.70 to 77.70): BE0
Ion 123.00 (122.70 to 123.70): BE0
Ion 65.00 (64.70 to 65.70): BE0





#11

bis(2-Chloroethoxy)methane

Concen: 0.06 ng

RT: 10.50 min Scan# 436

Delta R.T. 0.05 min

Lab File: BE091975.D

Acq: 5 Jul 2016 23:40

Instrument :

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LOD-SOIL2016-01

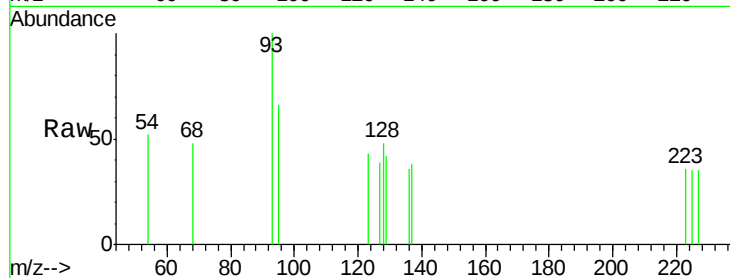
Tgt Ion: 93 Resp: 490

Ion Ratio Lower Upper

93 100

95 26.9 57.6 86.4#

123 11.0 100.2 150.4#

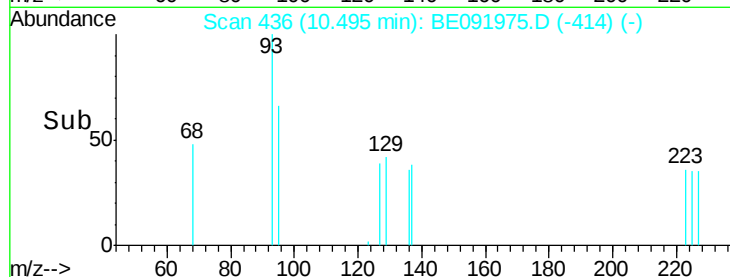


Abundance Ion 93.00 (92.70 to 93.70): BE091960.D (-431) (-)

Ion 95.00 (94.70 to 95.70): BE091960.D (-431) (-)

Ion 123.00 (122.70 to 123.70): BE091960.D (-431) (-)

Time-->

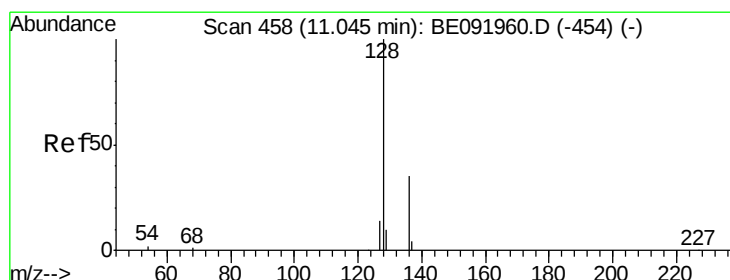


Abundance Ion 93.00 (92.70 to 93.70): BE091975.D (-414) (-)

Ion 95.00 (94.70 to 95.70): BE091975.D (-414) (-)

Ion 123.00 (122.70 to 123.70): BE091975.D (-414) (-)

Time-->



#12

Naphthalene

Concen: 0.07 ng

RT: 11.04 min Scan# 458

Delta R.T. -0.00 min

Lab File: BE091975.D

Acq: 5 Jul 2016 23:40

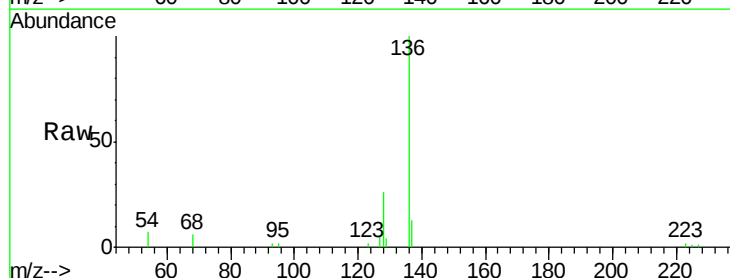
Tgt Ion: 128 Resp: 1732

Ion Ratio Lower Upper

128 100

129 16.2 10.4 15.6#

127 18.9 10.2 15.2#

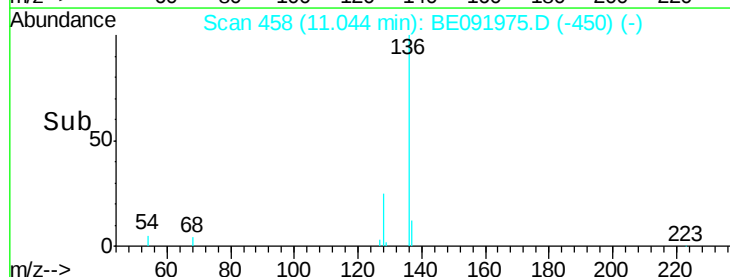


Abundance Ion 128.00 (127.70 to 128.70): BE091960.D (-454) (-)

Ion 129.00 (128.70 to 129.70): BE091960.D (-454) (-)

Ion 127.00 (126.70 to 127.70): BE091960.D (-454) (-)

Time-->

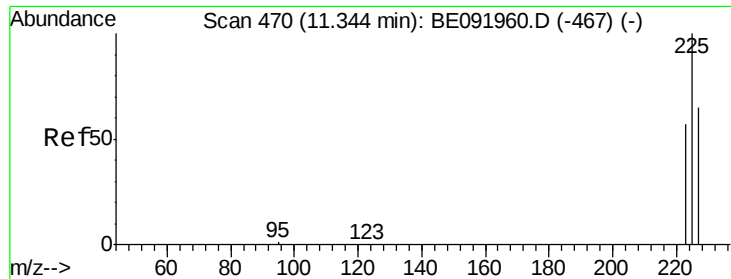


Abundance Ion 128.00 (127.70 to 128.70): BE091975.D (-450) (-)

Ion 129.00 (128.70 to 129.70): BE091975.D (-450) (-)

Ion 127.00 (126.70 to 127.70): BE091975.D (-450) (-)

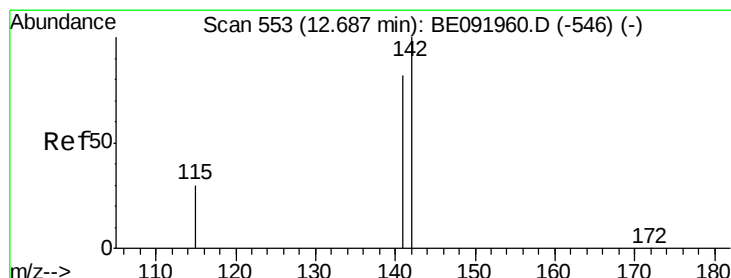
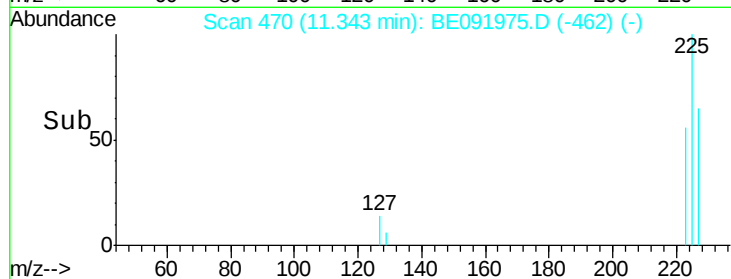
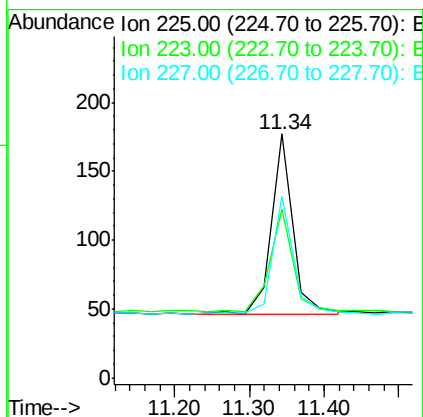
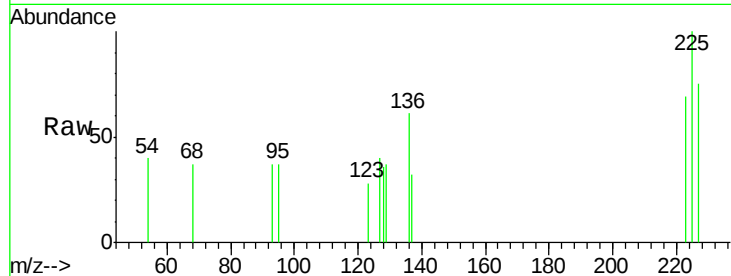
Time-->



#13
Hexachlorobutadiene
Concen: 0.07 ng
RT: 11.34 min Scan# 470
Delta R.T. -0.00 min
Lab File: BE091975.D
Acq: 5 Jul 2016 23:40

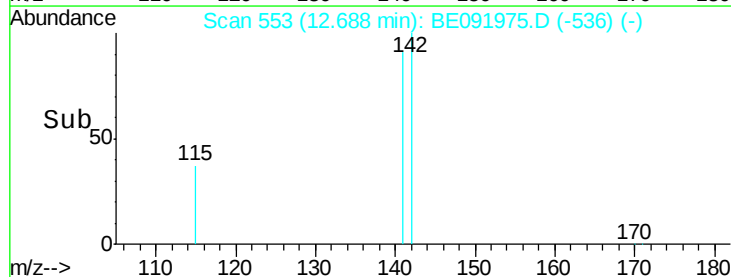
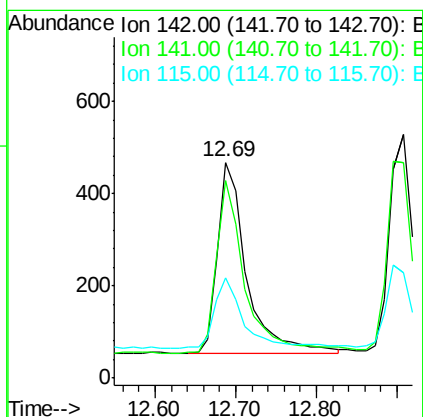
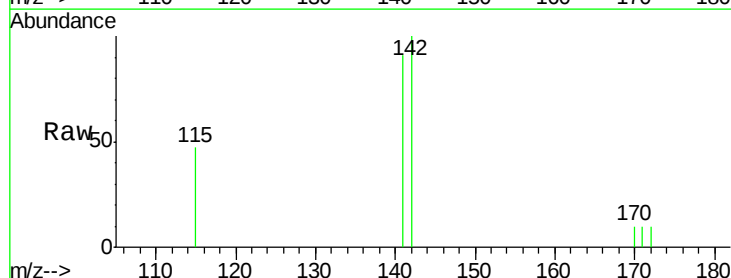
Instrument :
BNA_E
ClientSampleId :
LOD-SOIL2016-01

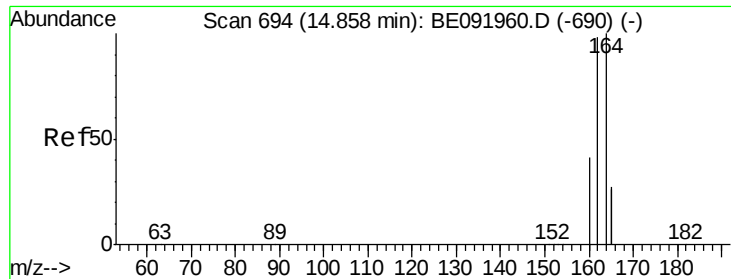
Tgt Ion: 225 Resp: 265
Ion Ratio Lower Upper
225 100
223 60.4 49.8 74.8
227 66.0 50.6 75.8



#14
2-Methylnaphthalene
Concen: 0.07 ng
RT: 12.69 min Scan# 553
Delta R.T. 0.00 min
Lab File: BE091975.D
Acq: 5 Jul 2016 23:40

Tgt Ion: 142 Resp: 1039
Ion Ratio Lower Upper
142 100
141 91.4 71.9 107.9
115 46.7 29.9 44.9#

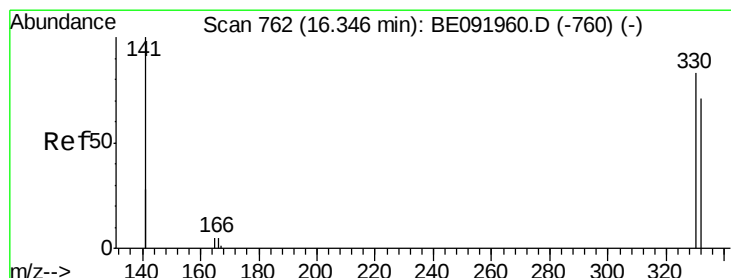
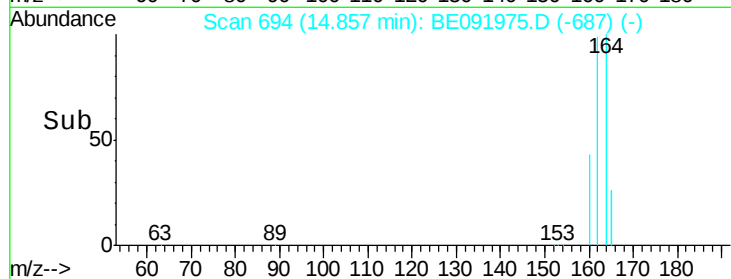
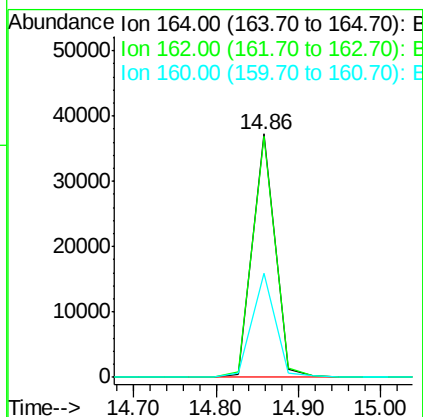
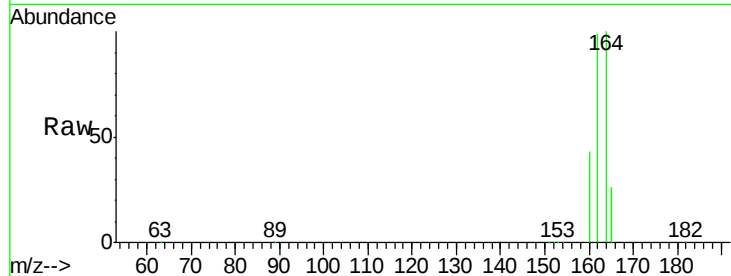




#15
 Acenaphthene-d10
 Concen: 5.00 ng
 RT: 14.86 min Scan# 694
 Delta R.T. -0.00 min
 Lab File: BE091975.D
 Acq: 5 Jul 2016 23:40

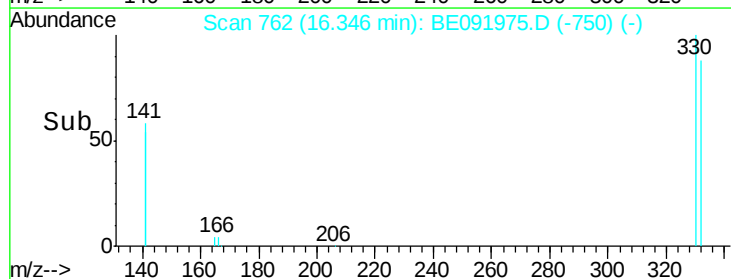
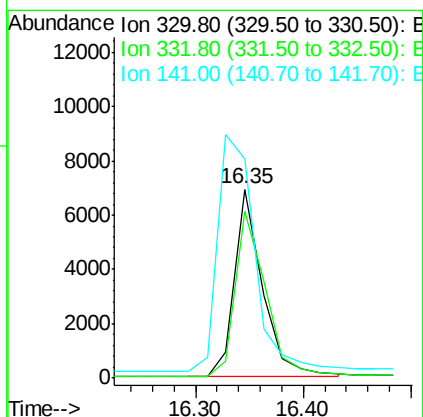
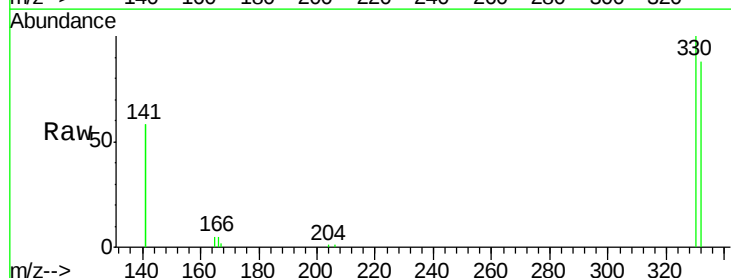
Instrument :
 BNA_E
 ClientSampleId :
 LOD-SOIL2016-01

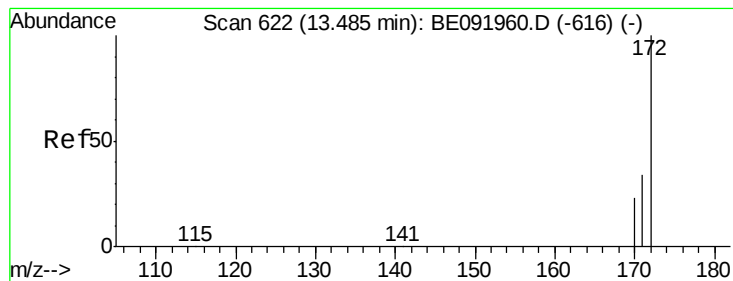
Tgt Ion:164 Resp: 71071
 Ion Ratio Lower Upper
 164 100
 162 99.0 71.8 107.8
 160 42.7 28.0 42.0#



#16
 2,4,6-Tribromophenol
 Concen: 4.96 ng
 RT: 16.35 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: BE091975.D
 Acq: 5 Jul 2016 23:40

Tgt Ion:330 Resp: 12481
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.0 115.6
 141 166.2 138.4 207.6

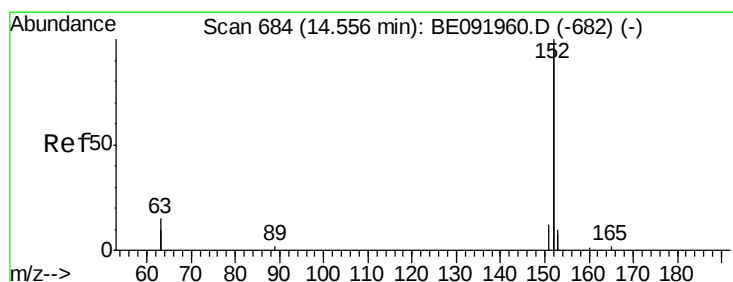
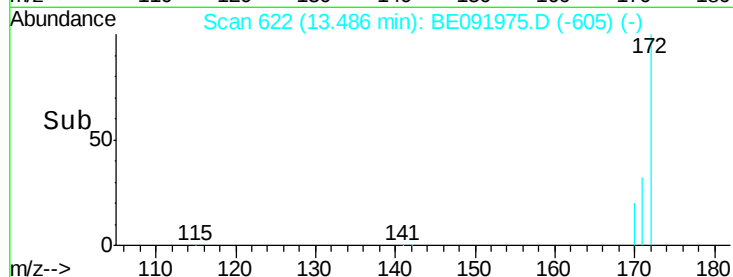
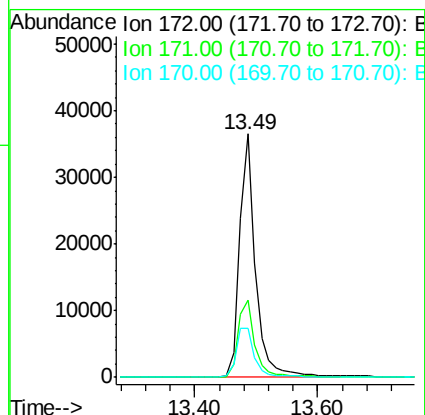
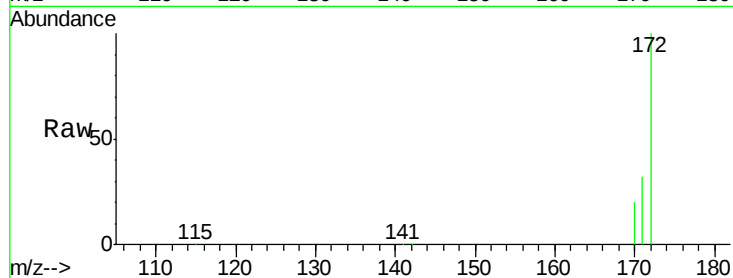




#17
2-Fluorobiphenyl
Concen: 3.80 ng
RT: 13.49 min Scan# 622
Delta R.T. 0.00 min
Lab File: BE091975.D
Acq: 5 Jul 2016 23:40

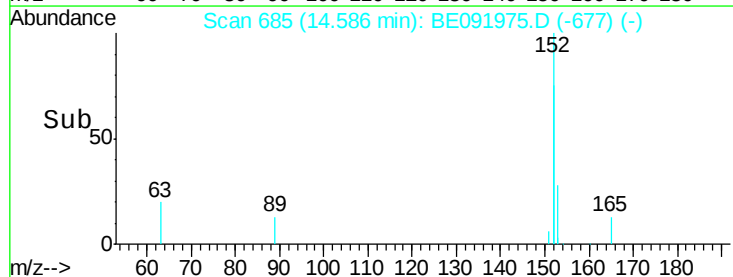
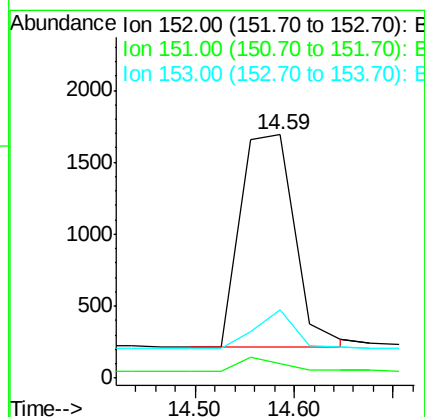
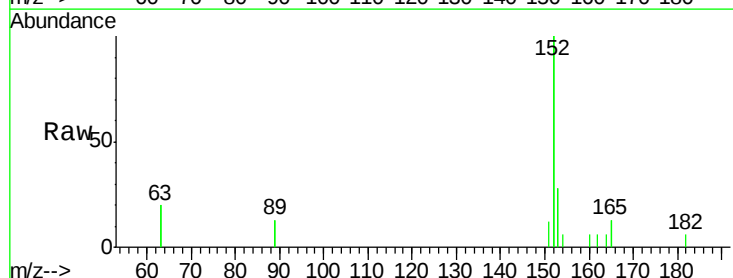
Instrument :
BNA_E
ClientSampleId :
LOD-SOIL2016-01

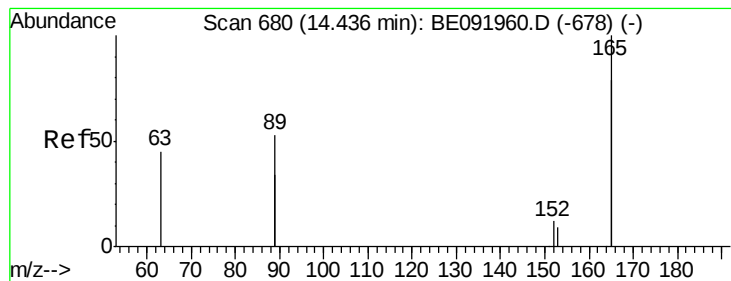
Tgt Ion:172 Resp: 65858
Ion Ratio Lower Upper
172 100
171 31.8 24.3 36.5
170 20.0 14.9 22.3



#18
Acenaphthylene
Concen: 0.06 ng
RT: 14.59 min Scan# 685
Delta R.T. 0.03 min
Lab File: BE091975.D
Acq: 5 Jul 2016 23:40

Tgt Ion:152 Resp: 5651
Ion Ratio Lower Upper
152 100
151 0.0 19.4 29.2#
153 13.4 14.4 21.6#





#19

2,6-Dinitrotoluene

Concen: 0.24 ng

RT: 14.13 min Scan# 670

Delta R.T. -0.30 min

Lab File: BE091975.D

Acq: 5 Jul 2016 23:40

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL2016-01

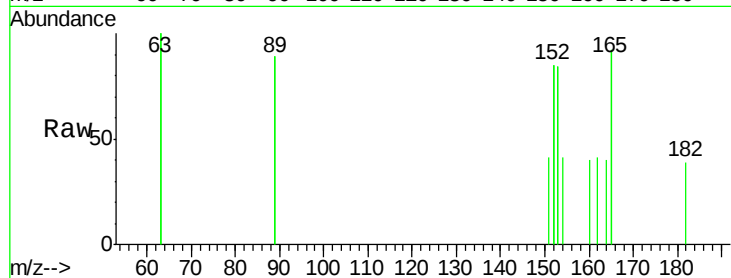
Tgt Ion:165 Resp: 2407

Ion Ratio Lower Upper

165 100

63 0.0 65.9 98.9#

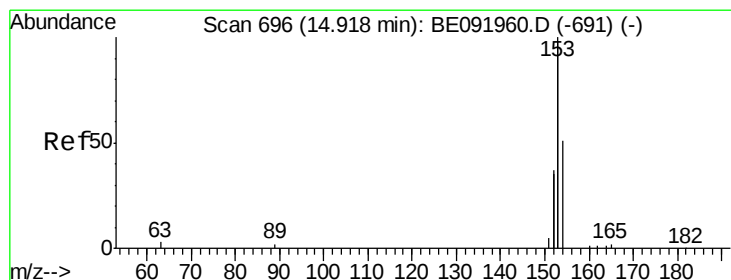
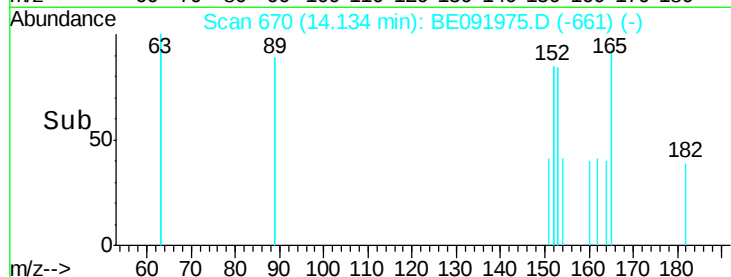
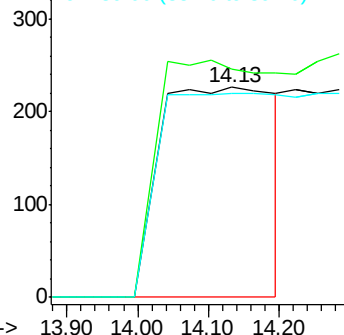
89 114.7 59.1 88.7#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BE0

Ion 89.00 (88.70 to 89.70): BE0



#20

Acenaphthene

Concen: 0.08 ng

RT: 14.92 min Scan# 696

Delta R.T. -0.00 min

Lab File: BE091975.D

Acq: 5 Jul 2016 23:40

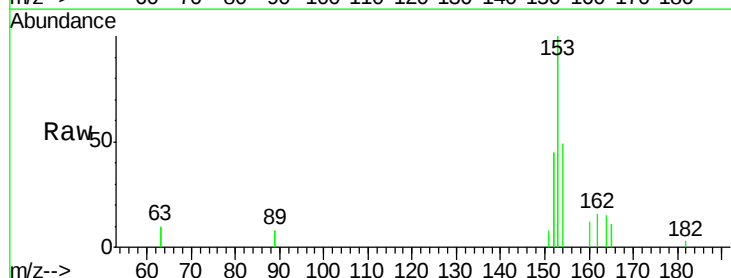
Tgt Ion:154 Resp: 1614

Ion Ratio Lower Upper

154 100

153 365.0 88.1 132.1#

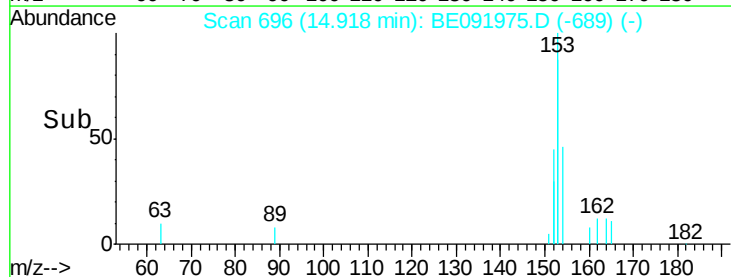
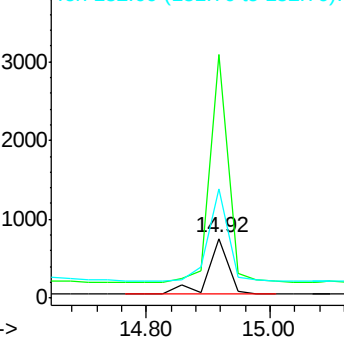
152 159.6 44.2 66.2#

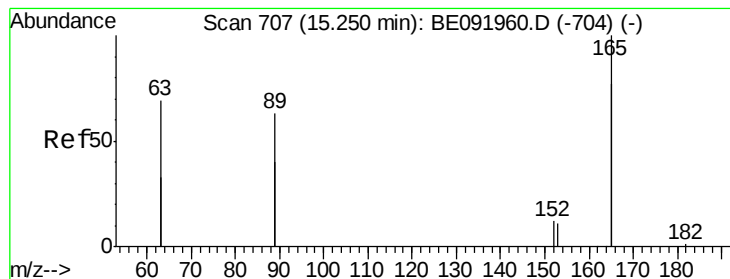


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#21

2,4-Dinitrotoluene

Concen: 0.39 ng

RT: 15.25 min Scan# 707

Delta R.T. 0.00 min

Lab File: BE091975.D

Acq: 5 Jul 2016 23:40

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL2016-01

Tgt Ion:165 Resp: 3917

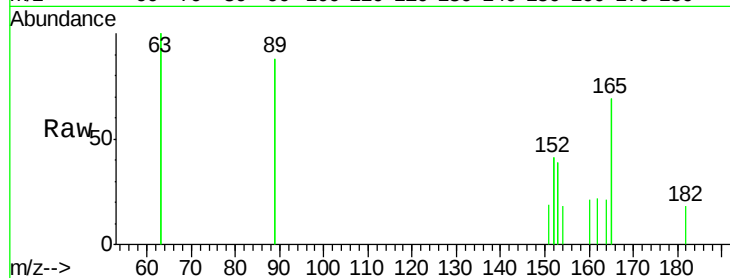
Ion Ratio Lower Upper

165 100

63 142.2 0.0 0.0#

89 131.9 99.8 149.8

182 0.0 0.0 0.0

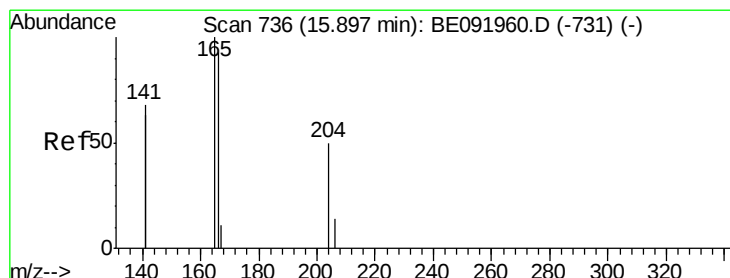
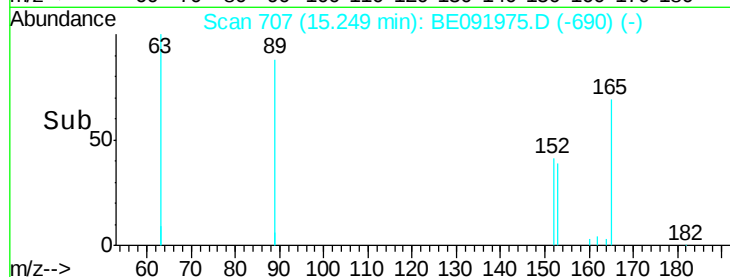
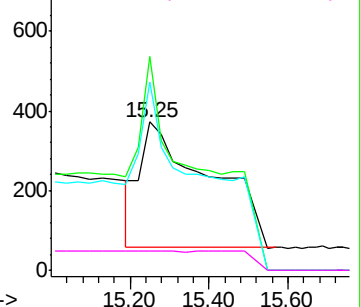


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BE0

Ion 89.00 (88.70 to 89.70): BE0

Ion 182.00 (181.70 to 182.70): E



#22

Fluorene

Concen: 0.07 ng

RT: 15.91 min Scan# 737

Delta R.T. 0.02 min

Lab File: BE091975.D

Acq: 5 Jul 2016 23:40

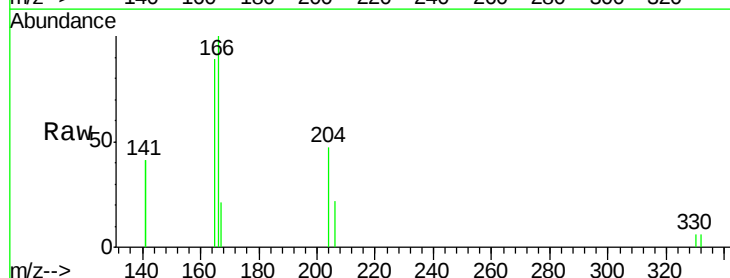
Tgt Ion:166 Resp: 1445

Ion Ratio Lower Upper

166 100

165 100.4 78.6 117.8

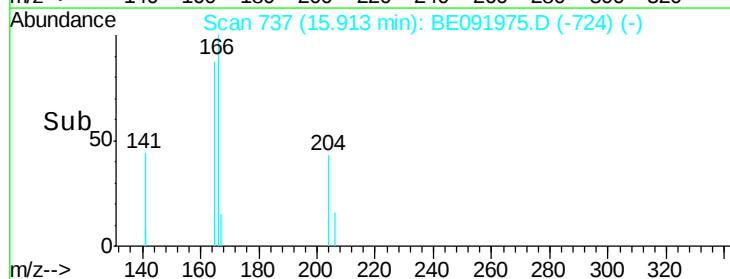
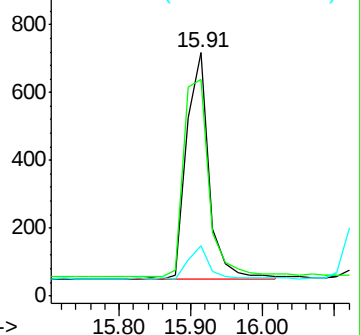
167 14.7 10.8 16.2

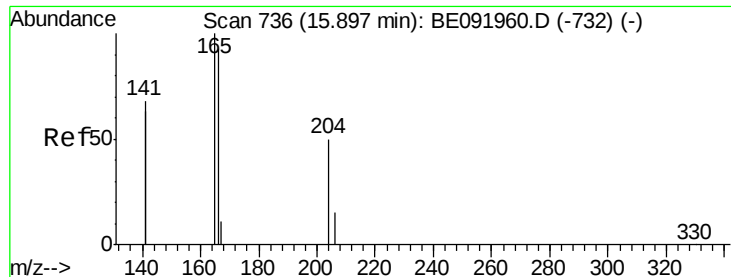


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

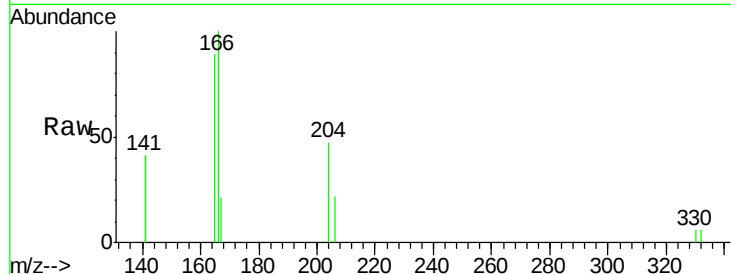




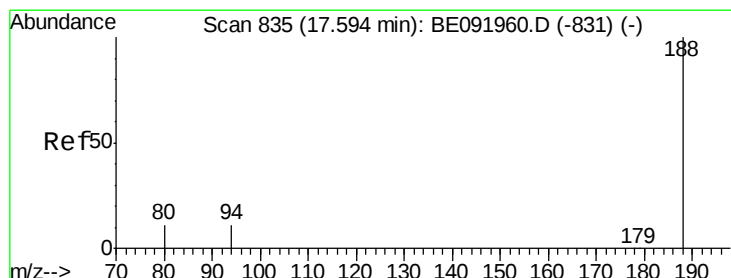
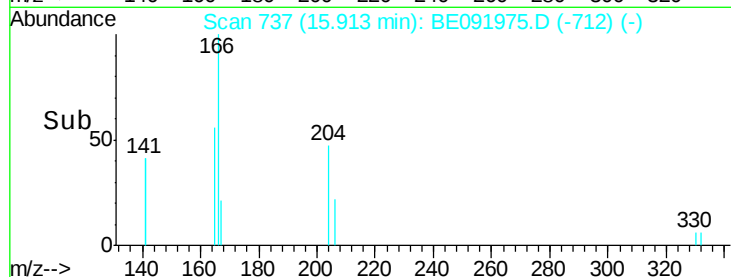
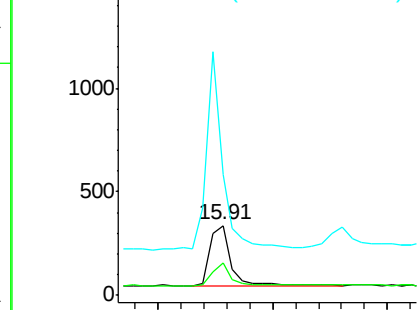
#23
 4-Chlorophenyl-phenylether
 Concen: 0.07 ng
 RT: 15.91 min Scan# 737
 Delta R.T. 0.02 min
 Lab File: BE091975.D
 Acq: 5 Jul 2016 23:40

Instrument :
 BNA_E
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion:204 Resp: 731
 Ion Ratio Lower Upper
 204 100
 206 33.8 27.8 41.6
 141 252.0 197.6 296.4

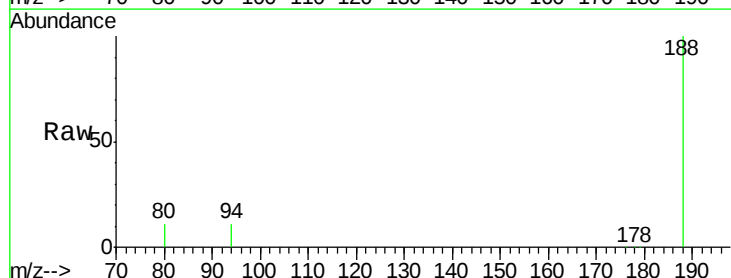


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

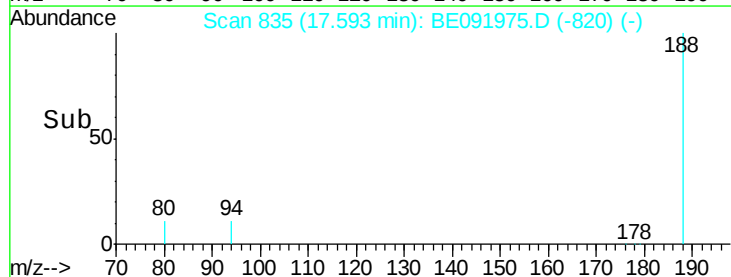
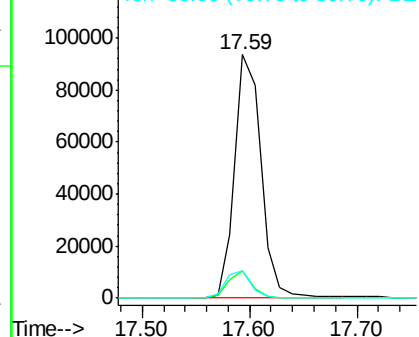


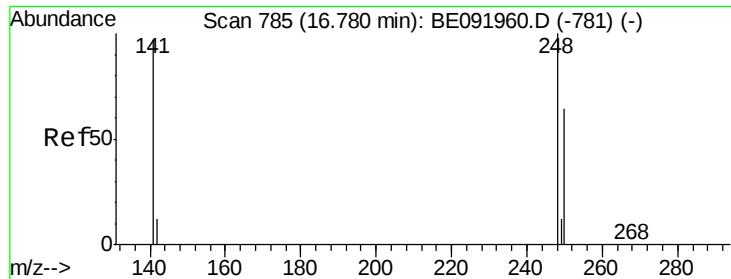
#24
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.59 min Scan# 835
 Delta R.T. -0.00 min
 Lab File: BE091975.D
 Acq: 5 Jul 2016 23:40

Tgt Ion:188 Resp: 158722
 Ion Ratio Lower Upper
 188 100
 94 11.0 4.1 6.1#
 80 11.2 3.4 5.2#



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BE0
 Ion 80.00 (79.70 to 80.70): BE0

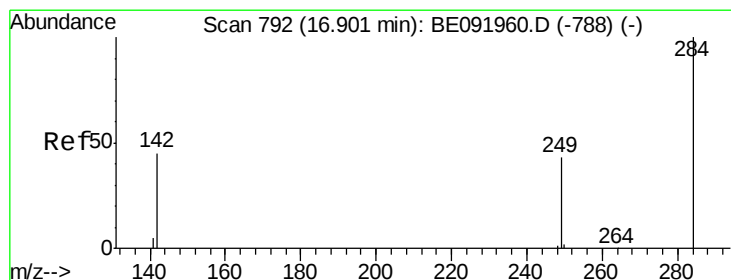
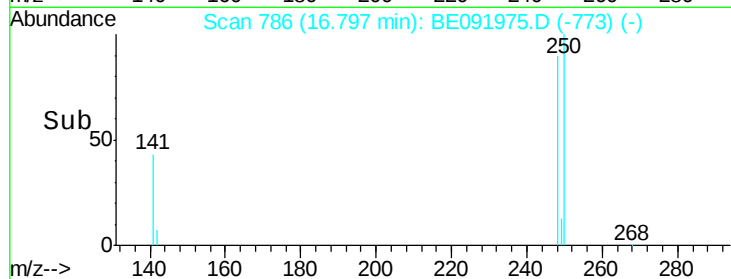
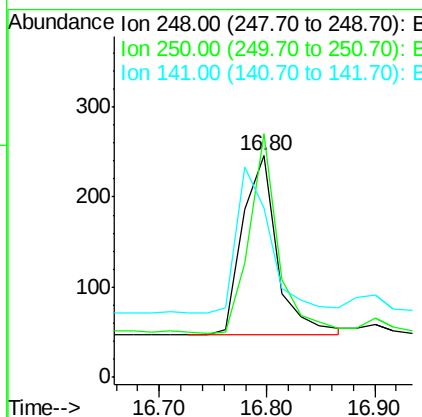
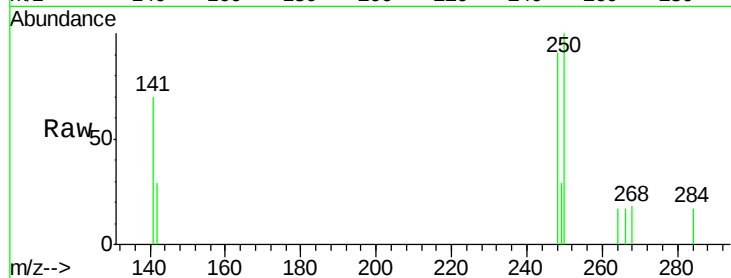




#25
4-Bromophenyl-phenylether
Concen: 0.06 ng
RT: 16.80 min Scan# 786
Delta R.T. 0.02 min
Lab File: BE091975.D
Acq: 5 Jul 2016 23:40

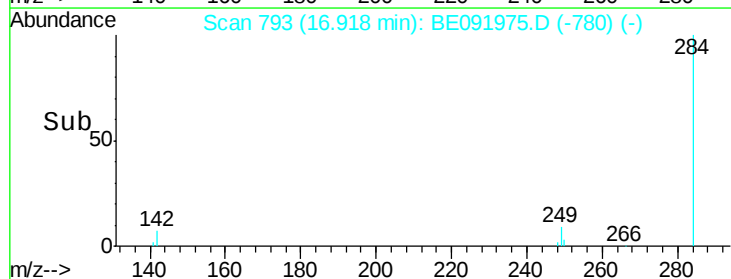
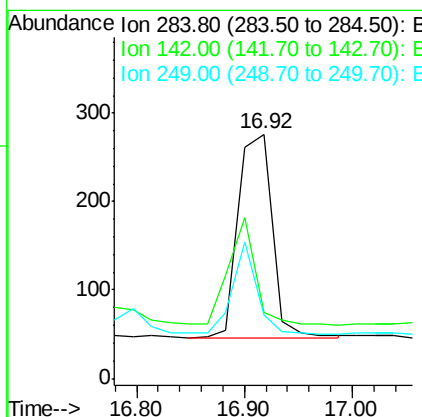
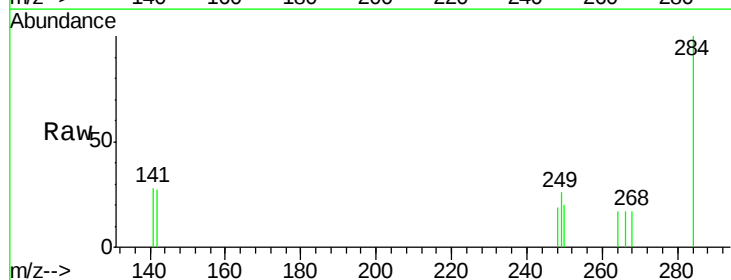
Instrument :
BNA_E
ClientSampleId :
LOD-SOIL2016-01

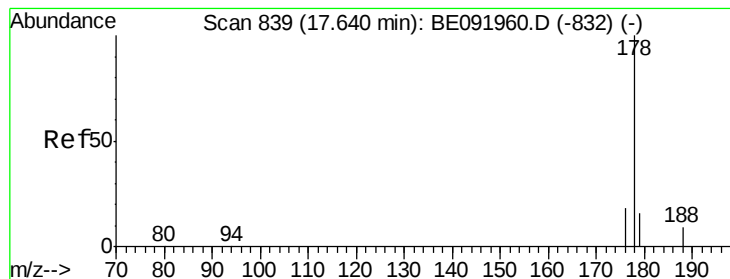
Tgt Ion:248 Resp: 444
Ion Ratio Lower Upper
248 100
250 93.0 75.7 113.5
141 80.6 64.6 97.0



#26
Hexachlorobenzene
Concen: 0.07 ng
RT: 16.92 min Scan# 793
Delta R.T. 0.02 min
Lab File: BE091975.D
Acq: 5 Jul 2016 23:40

Tgt Ion:284 Resp: 500
Ion Ratio Lower Upper
284 100
142 43.0 31.4 47.2
249 32.2 25.3 37.9





#28

Phenanthrene

Concen: 0.06 ng

RT: 17.73 min Scan# 847

Delta R.T. 0.09 min

Lab File: BE091975.D

Acq: 5 Jul 2016 23:40

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL2016-01

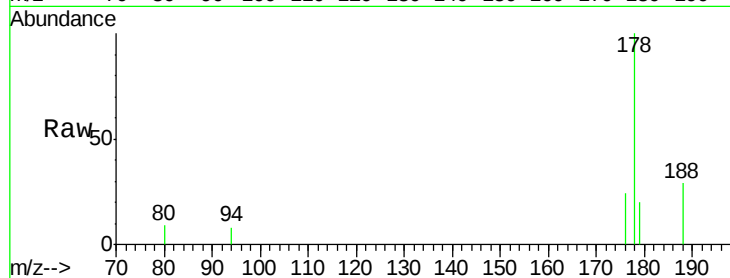
Tgt Ion:178 Resp: 2302

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.2

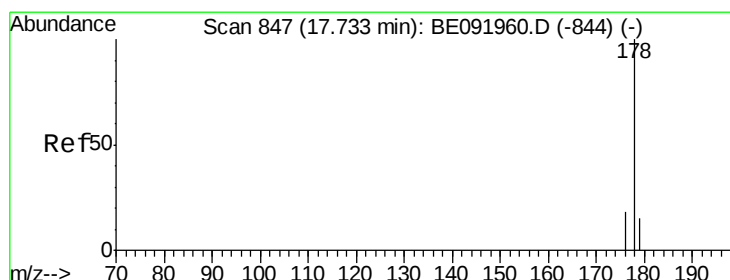
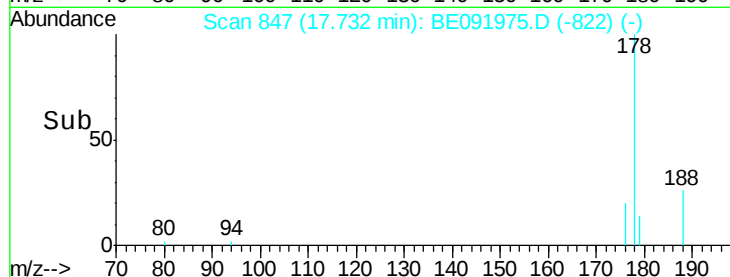
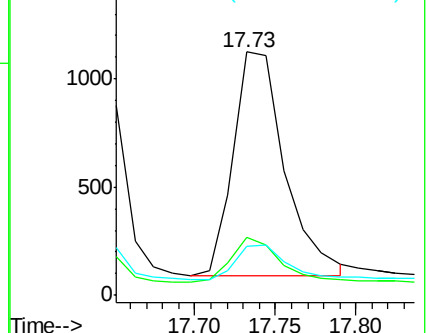
179 15.1 12.9 19.3



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



#29

Anthracene

Concen: 0.06 ng

RT: 17.73 min Scan# 847

Delta R.T. -0.00 min

Lab File: BE091975.D

Acq: 5 Jul 2016 23:40

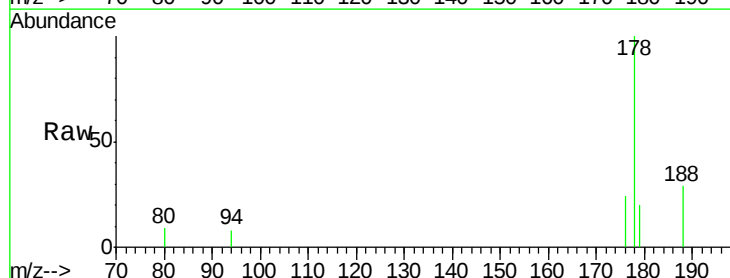
Tgt Ion:178 Resp: 2509

Ion Ratio Lower Upper

178 100

176 18.3 15.1 22.7

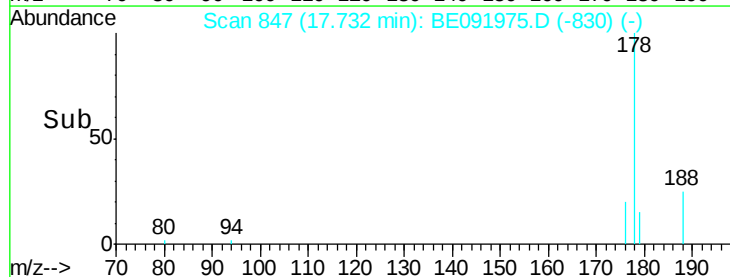
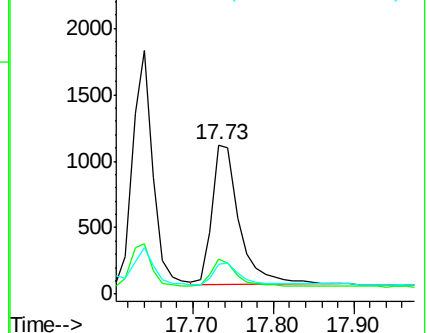
179 14.7 12.1 18.1

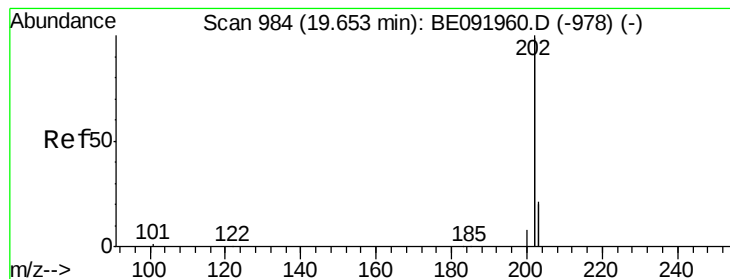


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#30

Fluoranthene

Concen: 0.08 ng

RT: 19.65 min Scan# 984

Delta R.T. -0.00 min

Lab File: BE091975.D

Acq: 5 Jul 2016 23:40

Instrument :

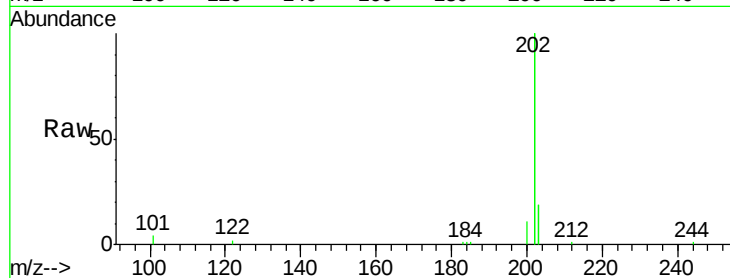
BNA_E

ClientSampleId :

LOD-SOIL2016-01

Tgt Ion:202 Resp: 13391

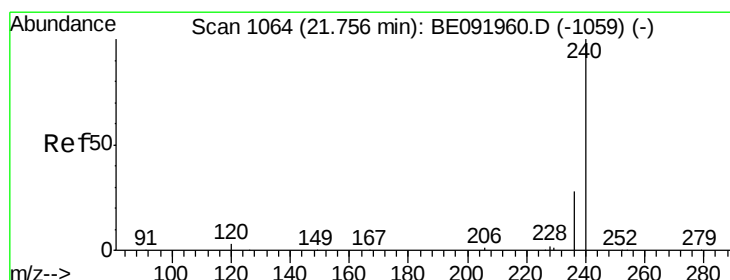
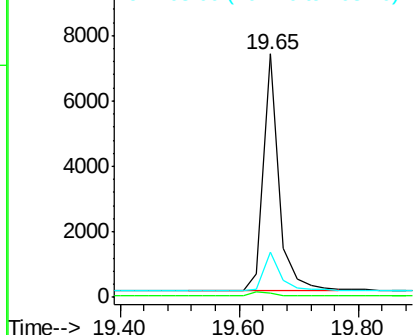
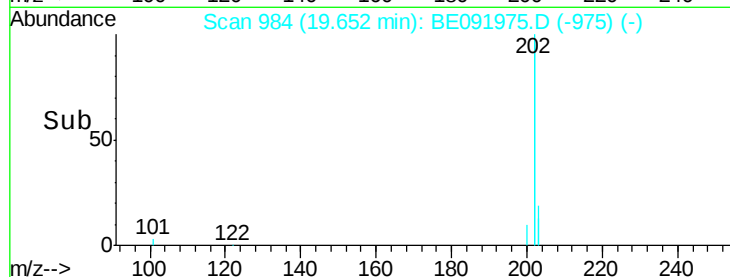
Ion	Ratio	Lower	Upper
202	100		
101	0.0	9.4	14.0#
203	17.5	14.3	21.5



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



#31

Chrysene-d12

Concen: 5.00 ng

RT: 21.76 min Scan# 1064

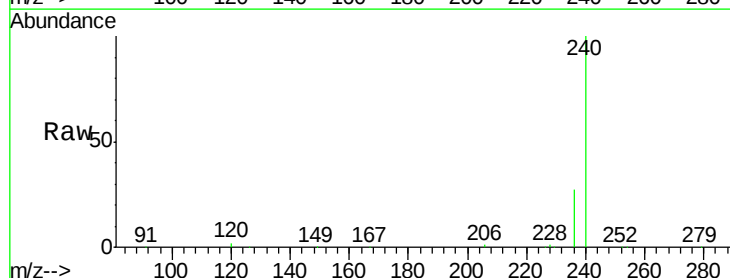
Delta R.T. 0.00 min

Lab File: BE091975.D

Acq: 5 Jul 2016 23:40

Tgt Ion:240 Resp: 290567

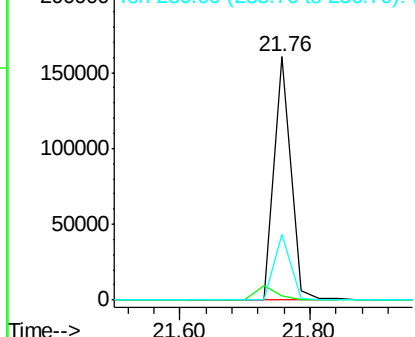
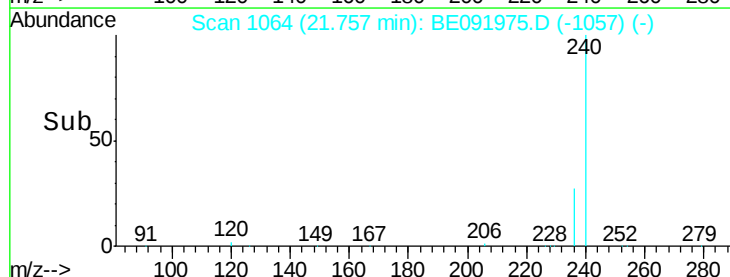
Ion	Ratio	Lower	Upper
240	100		
120	1.9	1.2	1.8#
236	26.9	19.8	29.8

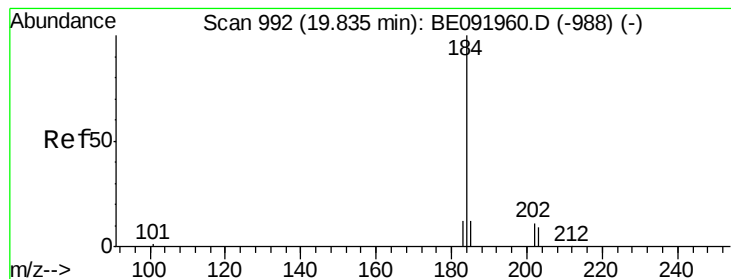


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#32

Benzidine

Concen: 0.23 ng

RT: 19.86 min Scan# 993

Delta R.T. 0.02 min

Lab File: BE091975.D

Acq: 5 Jul 2016 23:40

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL2016-01

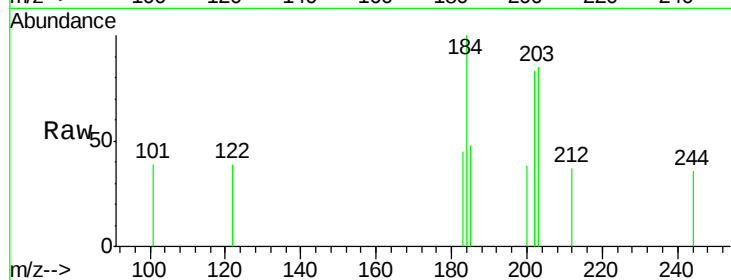
Tgt Ion:184 Resp: 478

Ion Ratio Lower Upper

184 100

185 48.5 11.4 17.2#

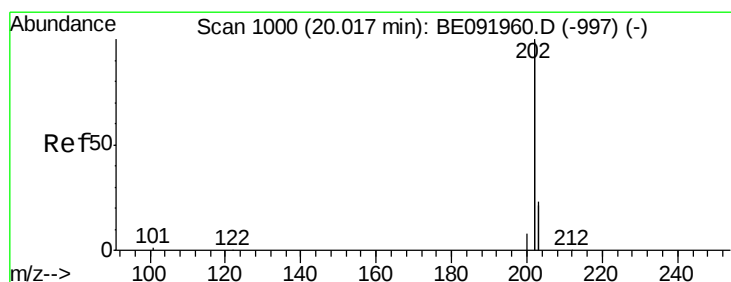
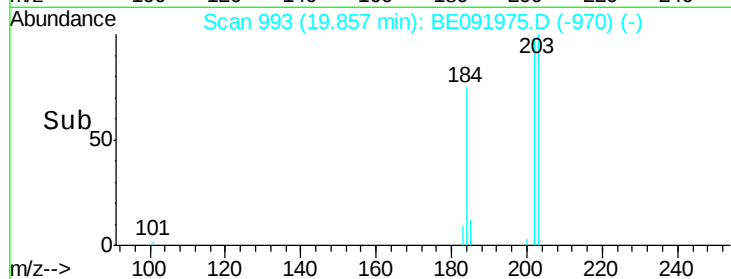
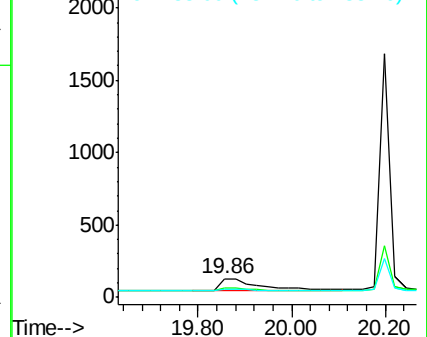
183 44.6 11.8 17.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#33

Pyrene

Concen: 0.06 ng

RT: 20.02 min Scan# 1000

Delta R.T. -0.00 min

Lab File: BE091975.D

Acq: 5 Jul 2016 23:40

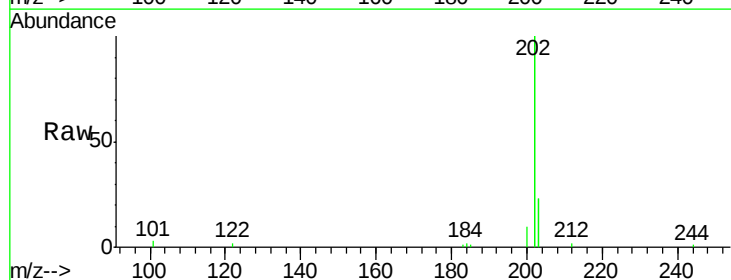
Tgt Ion:202 Resp: 13238

Ion Ratio Lower Upper

202 100

200 5.0 16.9 25.3#

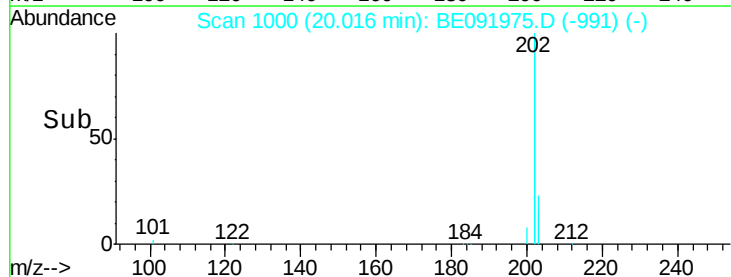
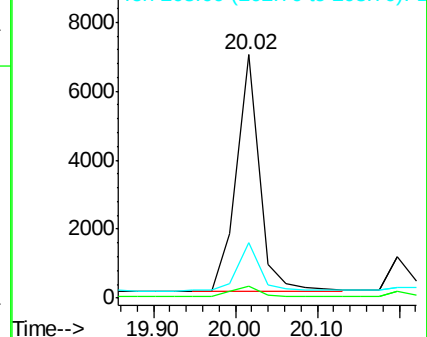
203 18.9 14.1 21.1

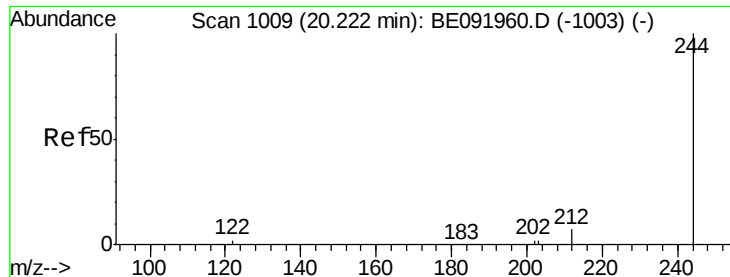


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

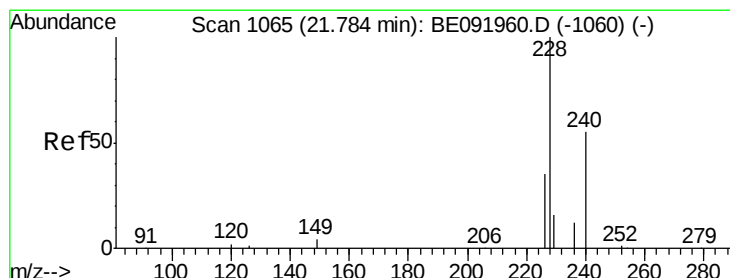
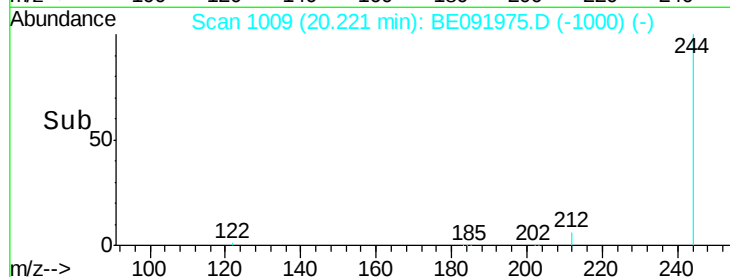
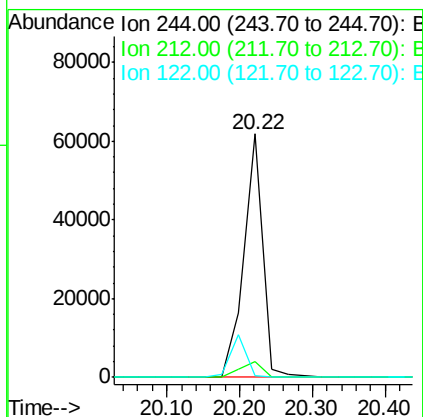
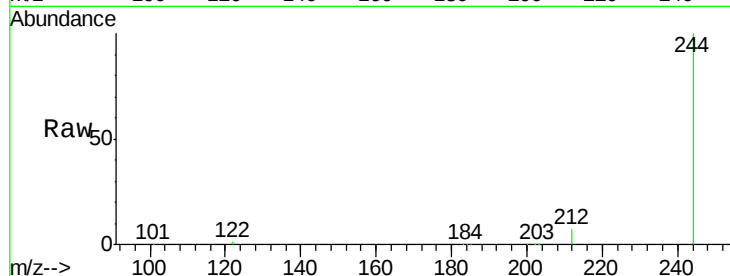




#34
 Terphenyl-d14
 Concen: 3.25 ng
 RT: 20.22 min Scan# 1009
 Delta R.T. -0.00 min
 Lab File: BE091975.D
 Acq: 5 Jul 2016 23:40

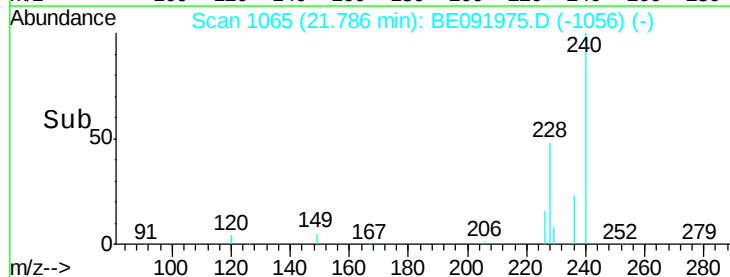
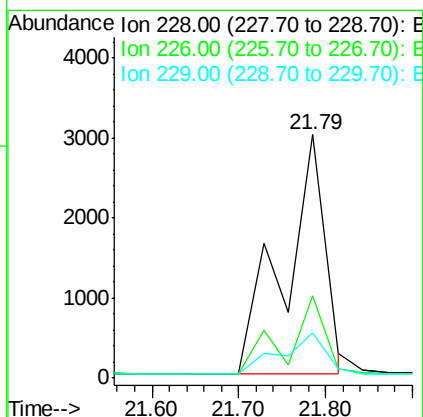
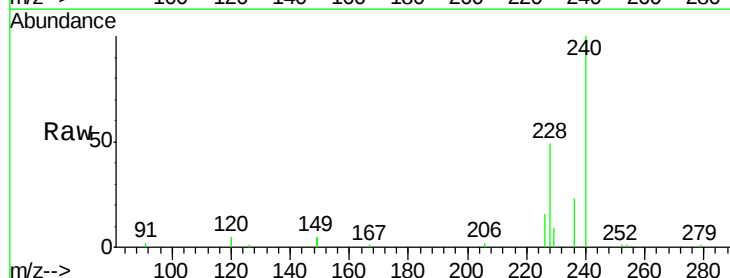
Instrument :
 BNA_E
 ClientSampleId :
 LOD-SOIL2016-01

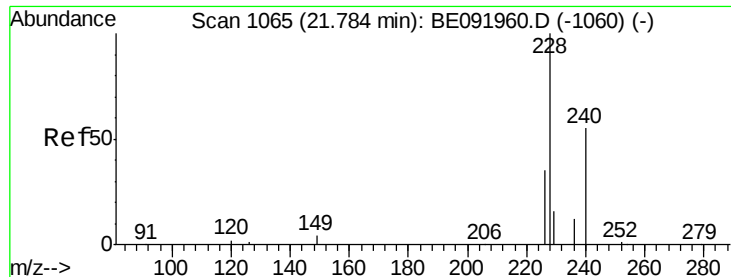
Tgt Ion:244 Resp: 111284
 Ion Ratio Lower Upper
 244 100
 212 6.6 6.5 9.7
 122 0.7 2.9 4.3#



#35
 Benzo(a)anthracene
 Concen: 0.20 ng
 RT: 21.79 min Scan# 1065
 Delta R.T. 0.06 min
 Lab File: BE091975.D
 Acq: 5 Jul 2016 23:40

Tgt Ion:228 Resp: 9745
 Ion Ratio Lower Upper
 228 100
 226 33.7 21.0 31.4#
 229 18.6 15.8 23.8





#37

Chrysene

Concen: 0.14 ng

RT: 21.79 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE091975.D

Acq: 5 Jul 2016 23:40

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL2016-01

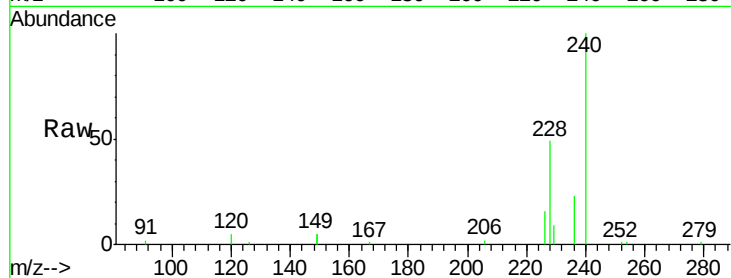
Tgt Ion:228 Resp: 9882

Ion Ratio Lower Upper

228 100

226 33.7 27.0 40.6

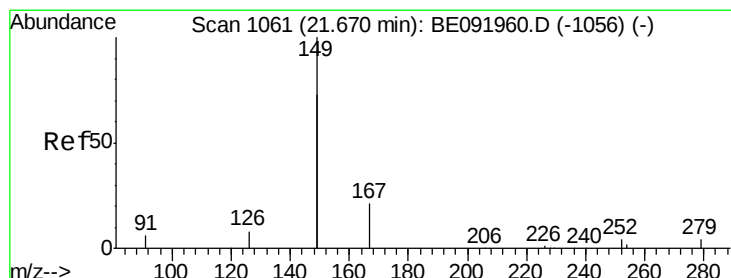
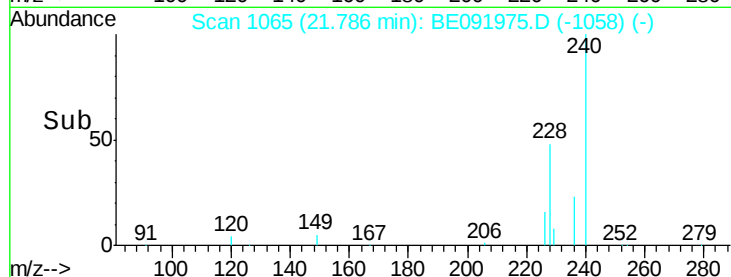
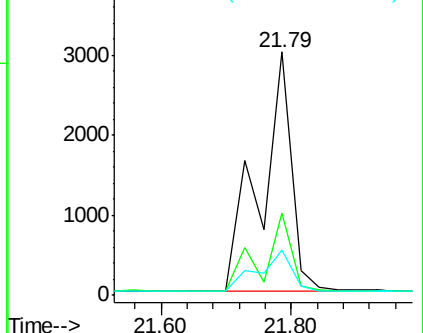
229 18.6 13.8 20.8



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



#38

Bis(2-ethylhexyl)phthalate

Concen: 0.06 ng

RT: 21.64 min Scan# 1060

Delta R.T. -0.03 min

Lab File: BE091975.D

Acq: 5 Jul 2016 23:40

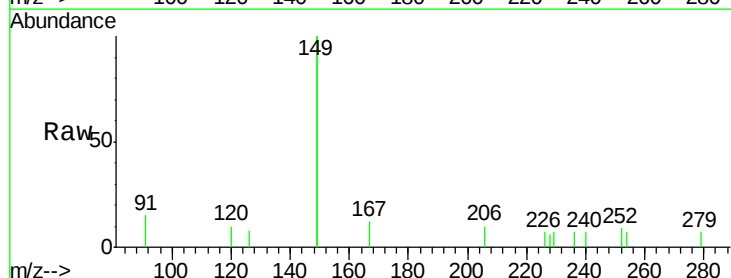
Tgt Ion:149 Resp: 3471

Ion Ratio Lower Upper

149 100

167 0.0 0.0 0.0

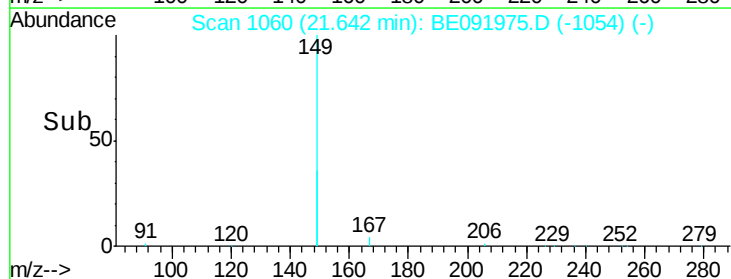
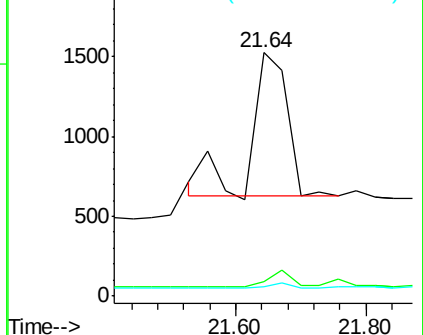
279 0.0 0.0 0.0

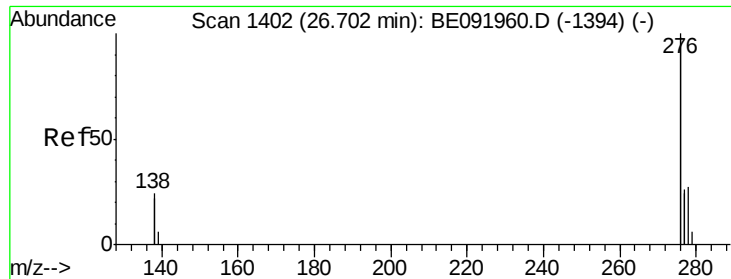


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Indeno(1,2,3-cd)pyrene

Concen: 0.06 ng

RT: 26.70 min Scan# 1402

Delta R.T. -0.00 min

Lab File: BE091975.D

Acq: 5 Jul 2016 23:40

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL2016-01

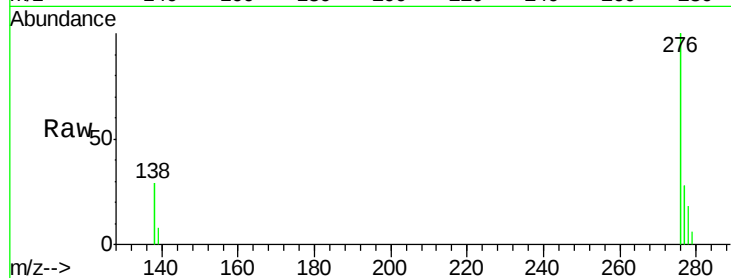
Tgt Ion:276 Resp: 16806

Ion Ratio Lower Upper

276 100

138 26.2 19.7 29.5

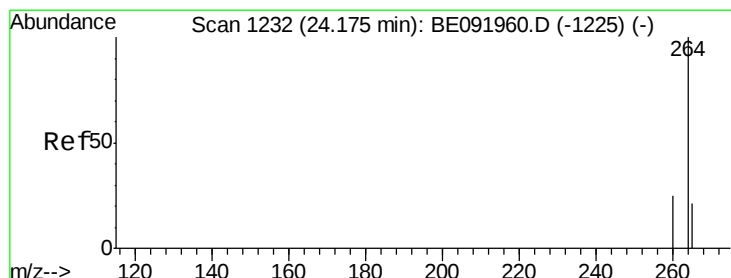
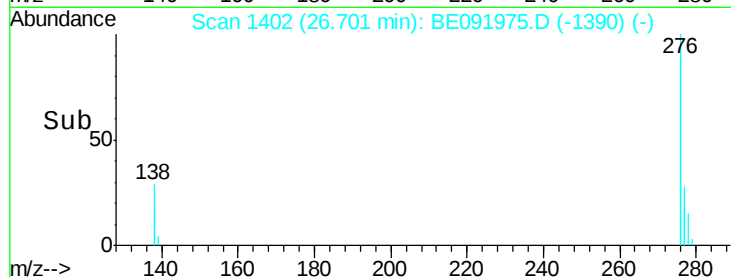
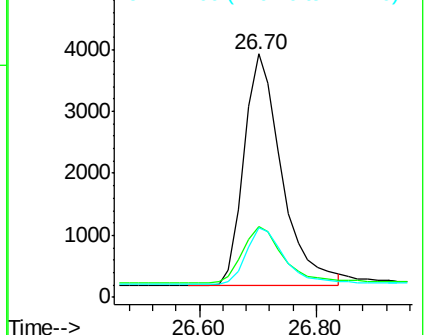
277 24.8 20.1 30.1



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



#40

Perylene-d12

Concen: 5.00 ng

RT: 24.18 min Scan# 1232

Delta R.T. 0.00 min

Lab File: BE091975.D

Acq: 5 Jul 2016 23:40

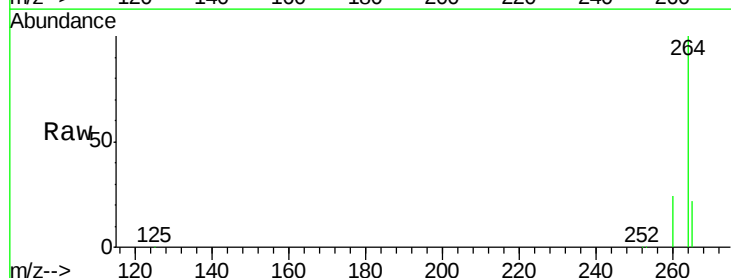
Tgt Ion:264 Resp: 229500

Ion Ratio Lower Upper

264 100

260 24.1 20.3 30.5

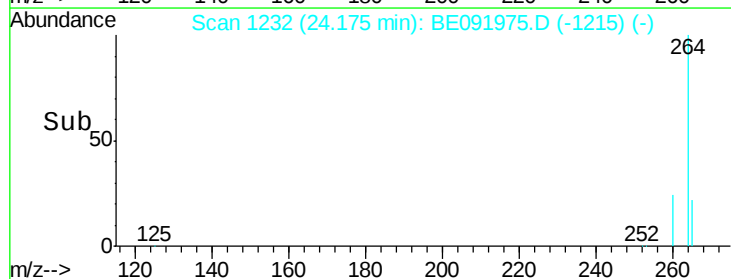
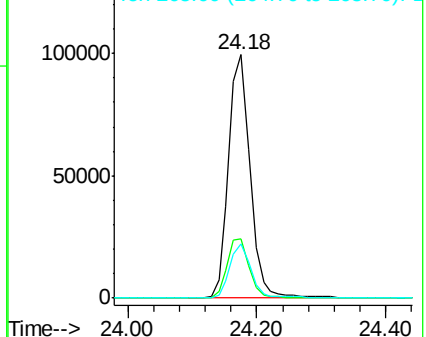
265 22.2 17.6 26.4

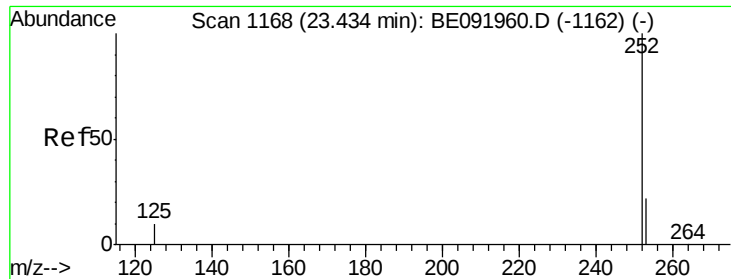


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#41

Benzo(b)fluoranthene

Concen: 0.06 ng

RT: 23.44 min Scan# 1168

Delta R.T. 0.00 min

Lab File: BE091975.D

Acq: 5 Jul 2016 23:40

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL2016-01

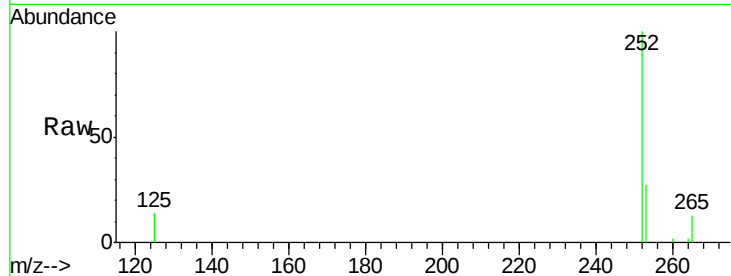
Tgt Ion:252 Resp: 4056

Ion Ratio Lower Upper

252 100

253 26.7 17.8 26.6#

125 14.2 9.4 14.2#

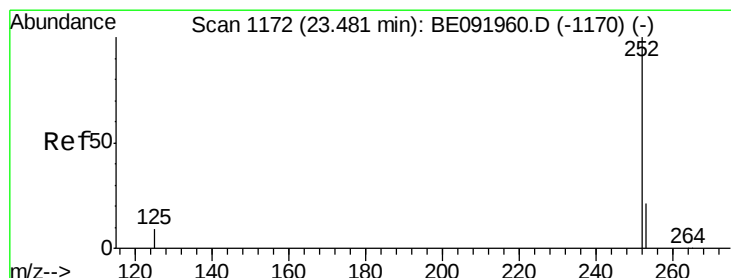
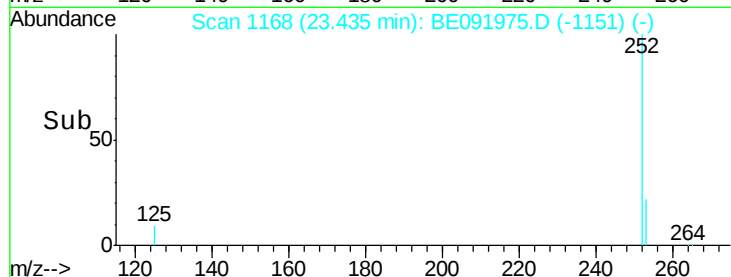
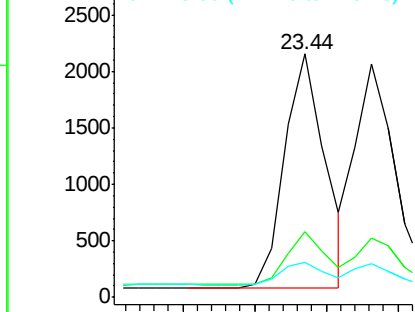


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#42

Benzo(k)fluoranthene

Concen: 0.07 ng

RT: 23.48 min Scan# 1172

Delta R.T. 0.00 min

Lab File: BE091975.D

Acq: 5 Jul 2016 23:40

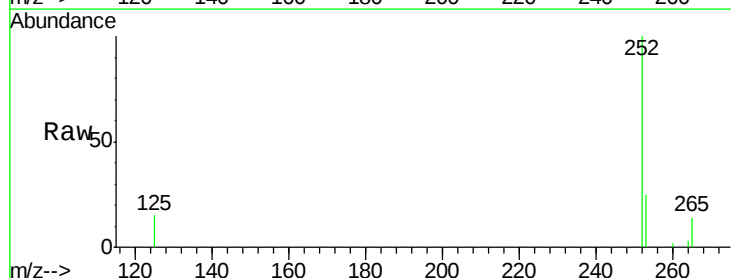
Tgt Ion:252 Resp: 4036

Ion Ratio Lower Upper

252 100

253 25.4 19.4 29.2

125 14.5 8.3 12.5#

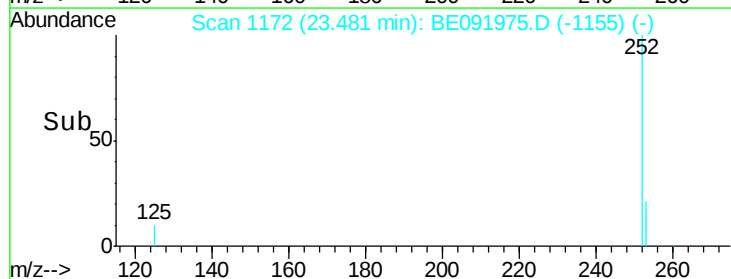
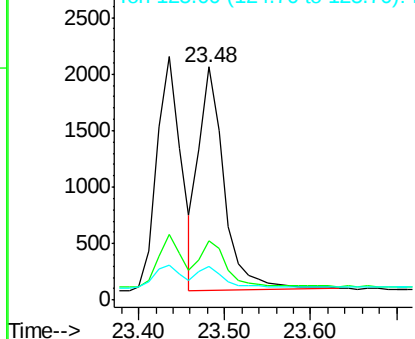


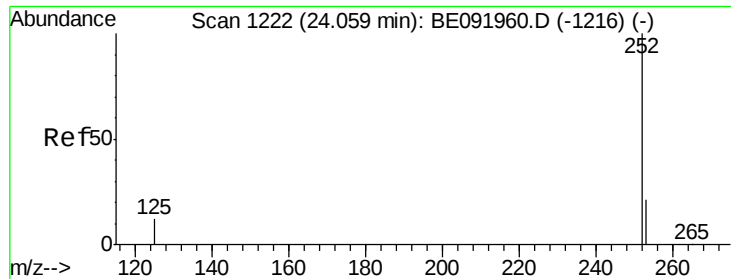
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#43

Benzo(a)pyrene

Concen: 0.06 ng

RT: 24.06 min Scan# 1222

Delta R.T. 0.00 min

Lab File: BE091975.D

Acq: 5 Jul 2016 23:40

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL2016-01

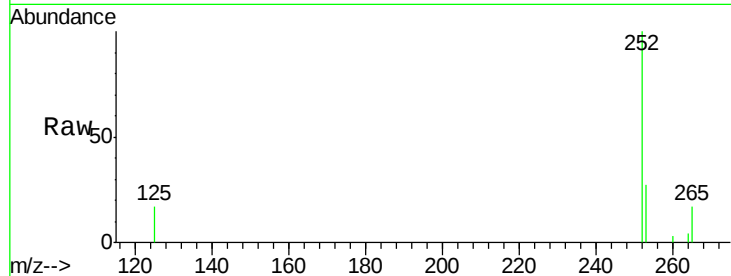
Tgt Ion:252 Resp: 3784

Ion Ratio Lower Upper

252 100

253 27.0 18.9 28.3

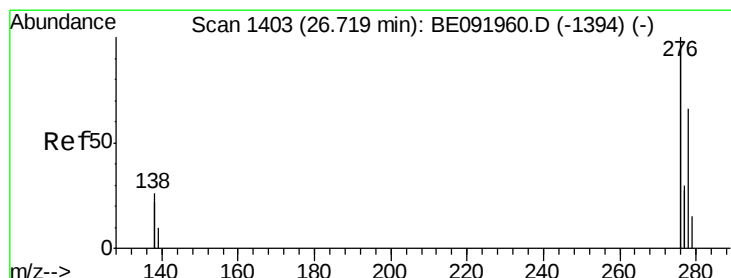
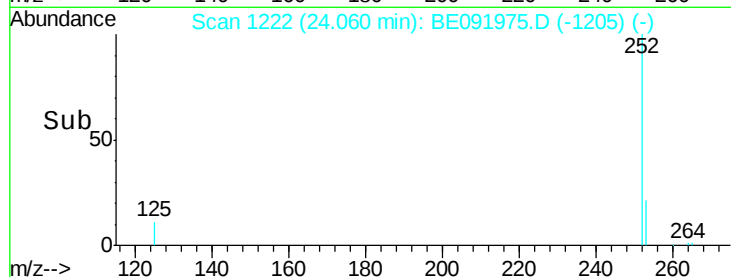
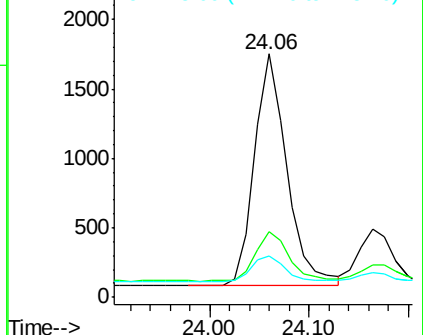
125 17.1 10.5 15.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#44

Dibenzo(a,h)anthracene

Concen: 0.06 ng

RT: 26.73 min Scan# 1404

Delta R.T. 0.02 min

Lab File: BE091975.D

Acq: 5 Jul 2016 23:40

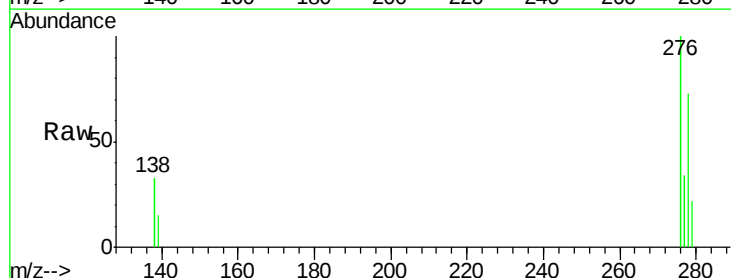
Tgt Ion:278 Resp: 3337

Ion Ratio Lower Upper

278 100

139 21.1 12.6 18.8#

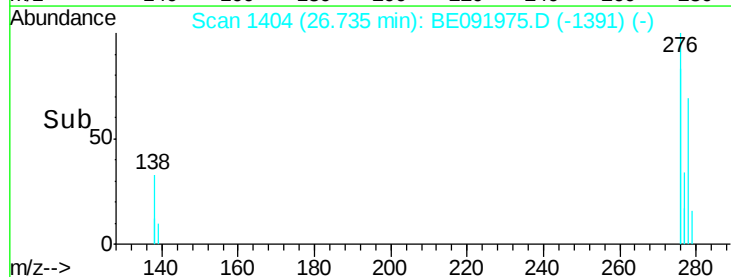
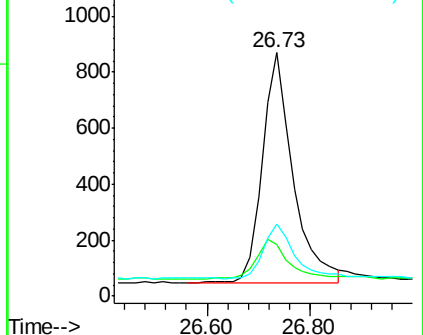
279 29.5 20.0 30.0

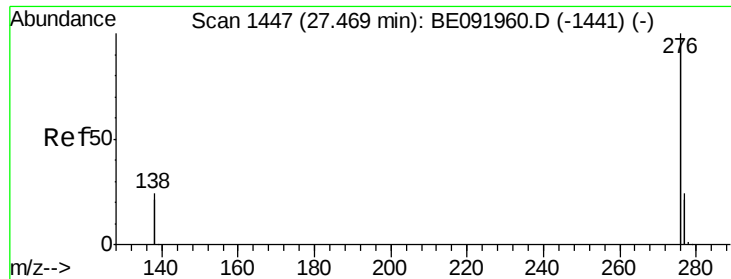


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#45

Benzo(g,h,i)perylene

Concen: 0.07 ng

RT: 27.48 min Scan# 1448

Delta R.T. 0.02 min

Lab File: BE091975.D

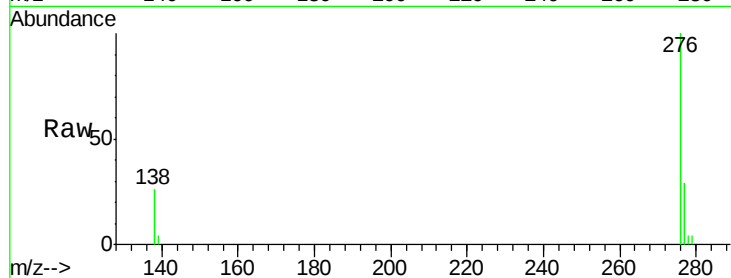
Acq: 5 Jul 2016 23:40

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL2016-01



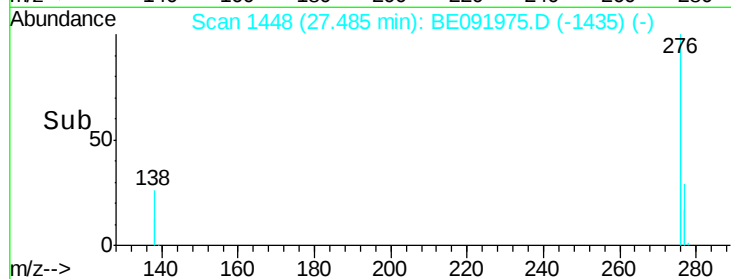
Tgt Ion: 276 Resp: 15084

Ion Ratio Lower Upper

276 100

277 28.8 19.5 29.3

138 25.6 17.7 26.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

