

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062615\
 Data File : BE089960.D
 Acq On : 27 Jun 2015 3:23
 Operator : TP/IZ
 Sample : G2653-03
 Misc : LOD-SIM-SOIL-0.1PPM
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LOD-SOIL2015-01

Quant Time: Jun 27 06:29:44 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BE062315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 25 16:51:27 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	27262	5.00	ng	0.00
6) Naphthalene-d8	10.39	136	131149	5.00	ng	0.00
12) Acenaphthene-d10	14.24	164	80738	5.00	ng	0.00
18) Phenanthrene-d10	16.98	188	197035	5.00	ng	0.00
25) Chrysene-d12	21.13	240	216256	5.00	ng	0.00
32) Perylene-d12	23.47	264	190974	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.26	112	53800	10.93	ng	0.00
5) Phenol-d6	6.81	99	91734	12.16	ng	0.00
7) Nitrobenzene-d5	8.77	82	66676	6.83	ng	0.00
13) 2,4,6-Tribromophenol	15.74	330	10675	7.52	ng	0.00
14) 2-Fluorobiphenyl	12.87	172	163898	6.97	ng	0.00
27) Terphenyl-d14	19.60	244	269063	7.21	ng	0.00

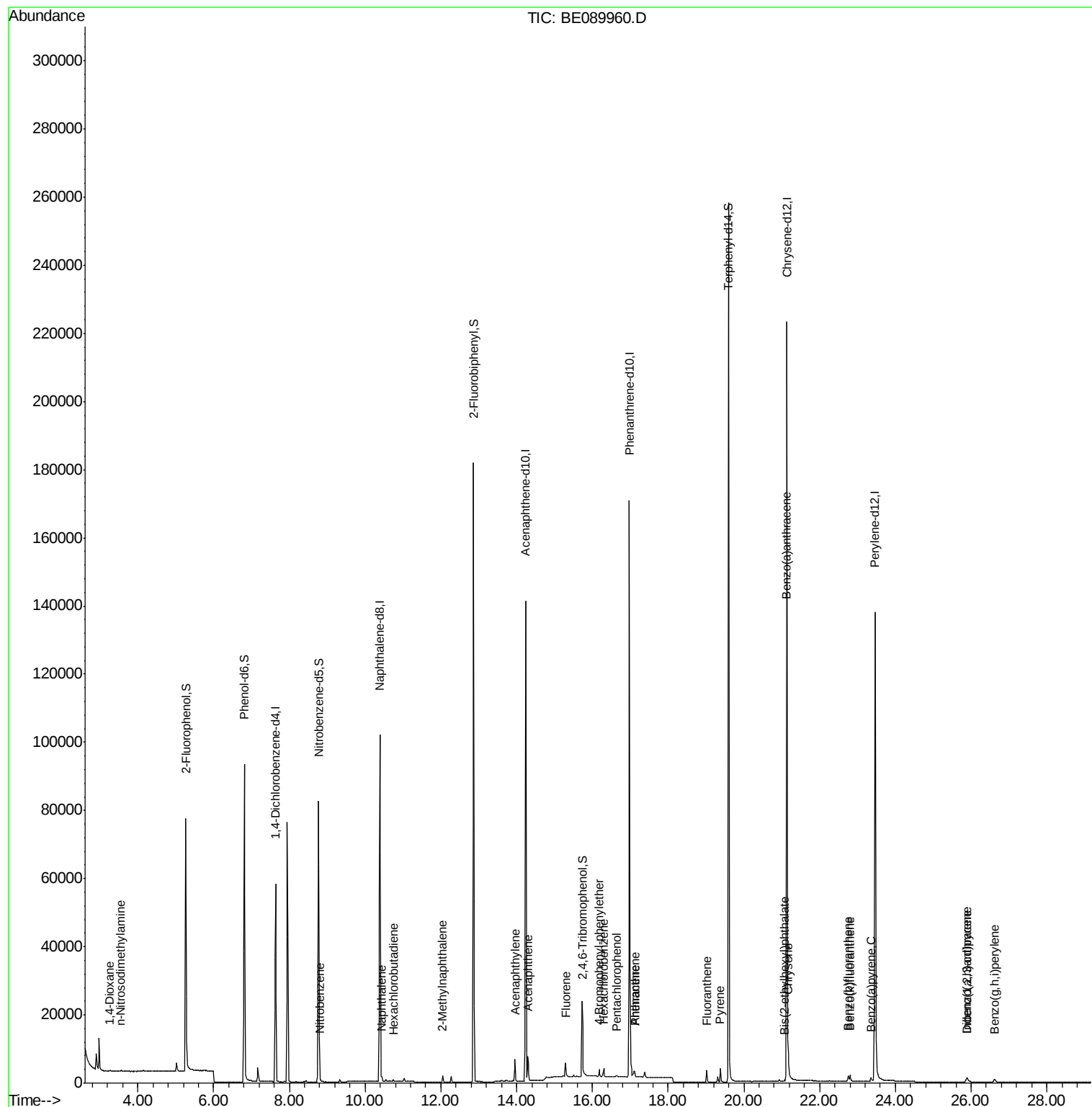
Target Compounds						Qvalue	
2) 1,4-Dioxane	3.26	88	537	0.15	ng	#	54
3) n-Nitrosodimethylamine	3.55	42	254	0.05	ng	#	92
8) Nitrobenzene	8.81	77	701	0.07	ng		96
9) Naphthalene	10.44	128	1884	0.06	ng	#	93
10) Hexachlorobutadiene	10.74	225	295	0.06	ng		97
11) 2-Methylnaphthalene	12.05	142	1232	0.06	ng	#	96
15) Acenaphthylene	13.96	152	8168	0.06	ng		99
16) Acenaphthene	14.30	154	1233	0.06	ng		90
17) Fluorene	15.29	166	1810	0.06	ng		92
19) 4-Bromophenyl-phenylether	16.18	248	484	0.06	ng		90
20) Hexachlorobenzene	16.30	284	2248	0.06	ng		97
21) Pentachlorophenol	16.63	266	145	0.51	ng	#	75
22) Phenanthrene	17.12	178	2576	0.05	ng		98
23) Anthracene	17.12	178	2620	0.06	ng		98
24) Fluoranthene	19.02	202	3099	0.06	ng		99
26) Pyrene	19.38	202	3539	0.06	ng		99
28) Benzo(a)anthracene	21.12	228	3742	0.07	ng		97
29) Chrysene	21.17	228	3556	0.06	ng		97
30) Bis(2-ethylhexyl)phthalate	21.07	149	428	0.10	ng	#	95
31) Indeno(1,2,3-cd)pyrene	25.88	276	2185	0.05	ng	#	100
33) Benzo(b)fluoranthene	22.76	252	2383	0.06	ng	#	88
34) Benzo(k)fluoranthene	22.80	252	2602	0.06	ng	#	86
35) Benzo(a)pyrene	23.36	252	2052	0.06	ng	#	87
36) Dibenzo(a,h)anthracene	25.90	278	1642	0.05	ng	#	80
37) Benzo(g,h,i)perylene	26.62	276	2022	0.06	ng	#	88

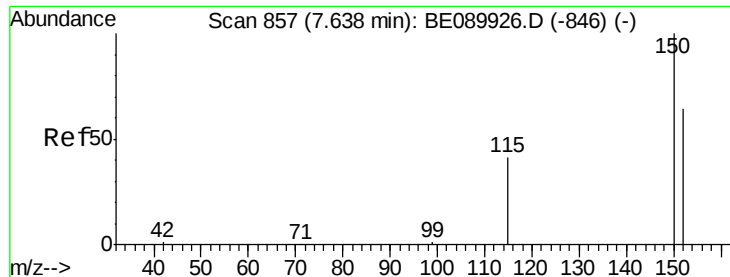
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062615\
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BE062315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 25 16:51:27 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.63 min Scan# 856

Delta R.T. -0.00 min

Lab File: BE089960.D

Acq: 27 Jun 2015 3:23

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL2015-01

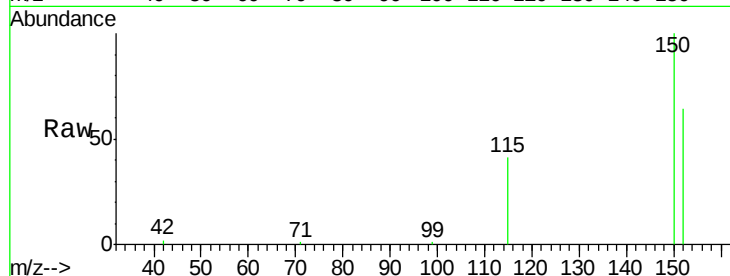
Tgt Ion:152 Resp: 27262

Ion Ratio Lower Upper

152 100

150 157.1 124.6 186.8

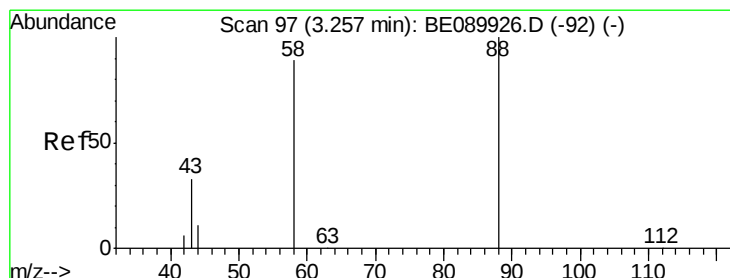
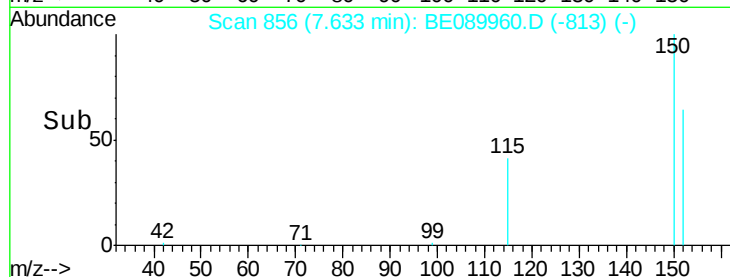
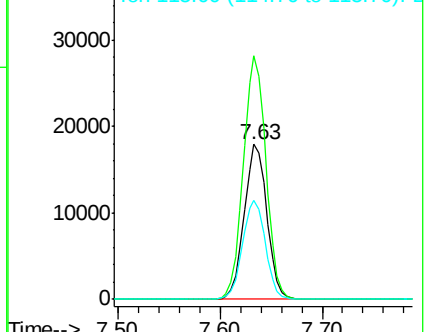
115 64.0 51.6 77.4



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: 0.15 ng

RT: 3.26 min Scan# 97

Delta R.T. -0.00 min

Lab File: BE089960.D

Acq: 27 Jun 2015 3:23

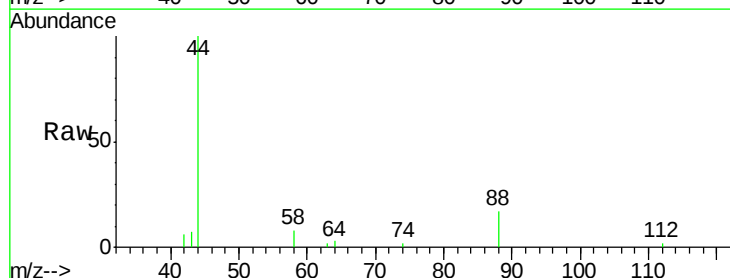
Tgt Ion: 88 Resp: 537

Ion Ratio Lower Upper

88 100

58 40.4 70.8 106.2#

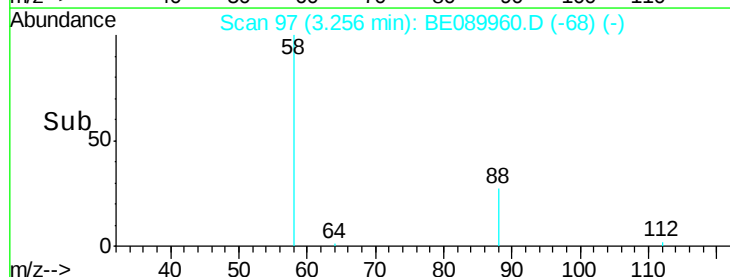
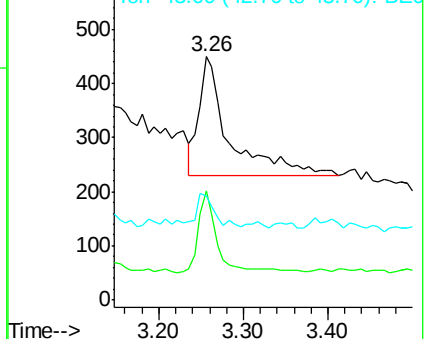
43 16.2 26.8 40.2#

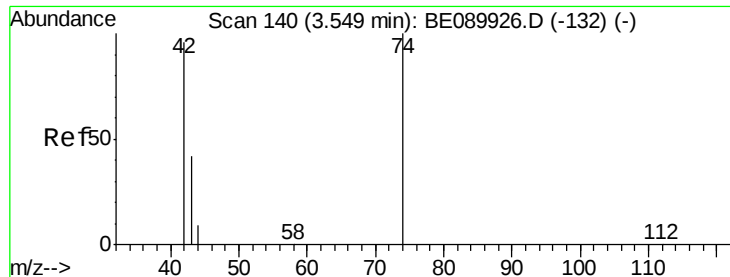


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.05 ng

RT: 3.55 min Scan# 141

Delta R.T. 0.01 min

Lab File: BE089960.D

Acq: 27 Jun 2015 3:23

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL2015-01

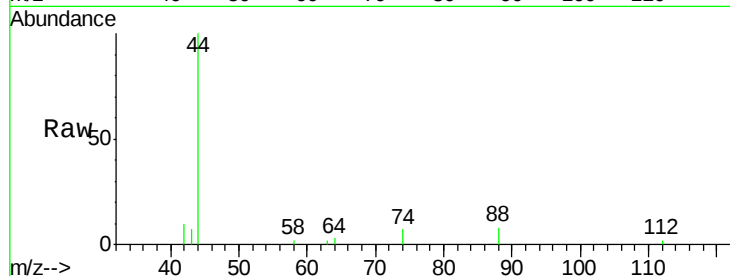
Tgt Ion: 42 Resp: 254

Ion Ratio Lower Upper

42 100

74 112.2 85.4 128.2

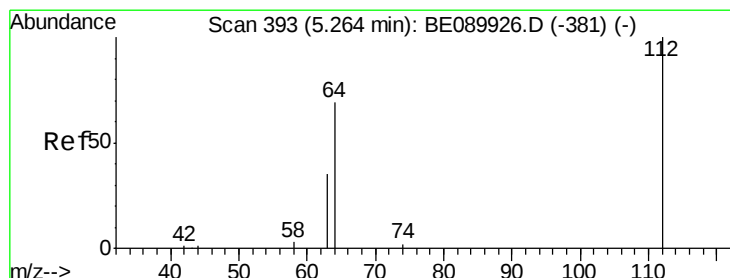
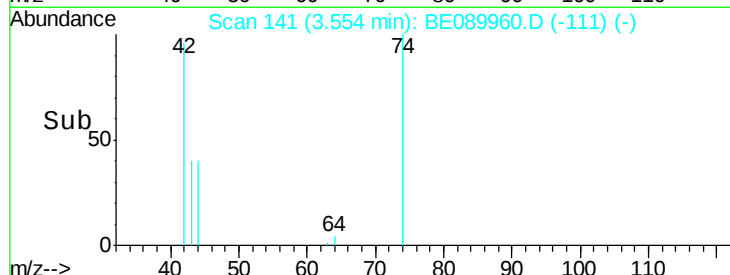
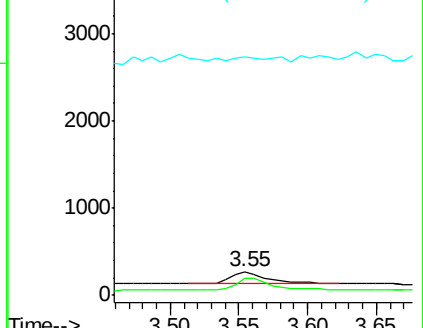
44 25.6 8.4 12.6#



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: 10.93 ng

RT: 5.26 min Scan# 393

Delta R.T. -0.00 min

Lab File: BE089960.D

Acq: 27 Jun 2015 3:23

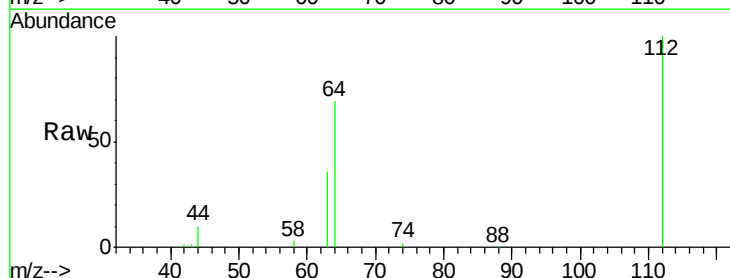
Tgt Ion: 112 Resp: 53800

Ion Ratio Lower Upper

112 100

64 72.4 57.4 86.2

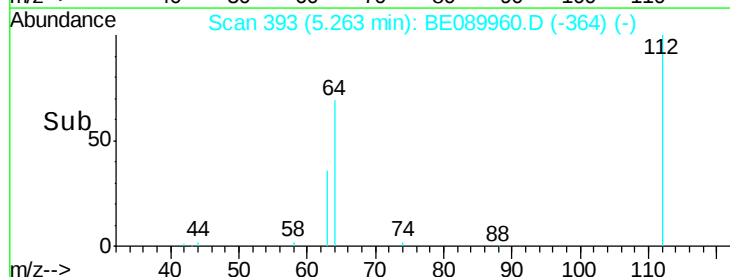
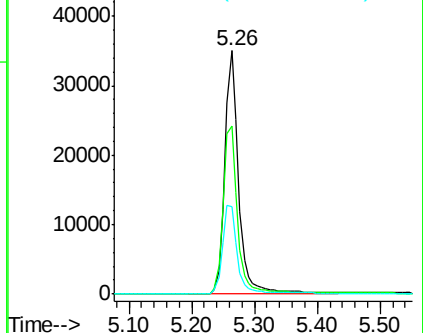
63 39.1 31.2 46.8

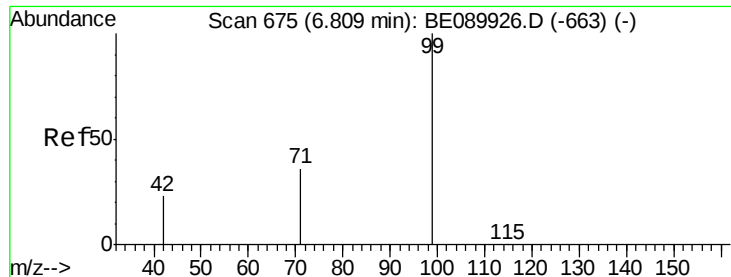


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 12.16 ng

RT: 6.81 min Scan# 675

Delta R.T. 0.00 min

Lab File: BE089960.D

Acq: 27 Jun 2015 3:23

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL2015-01

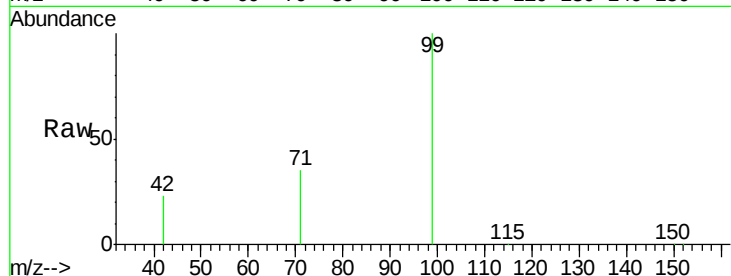
Tgt Ion: 99 Resp: 91734

Ion Ratio Lower Upper

99 100

42 23.5 19.5 29.3

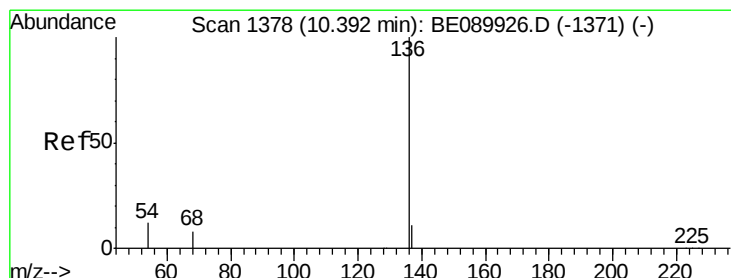
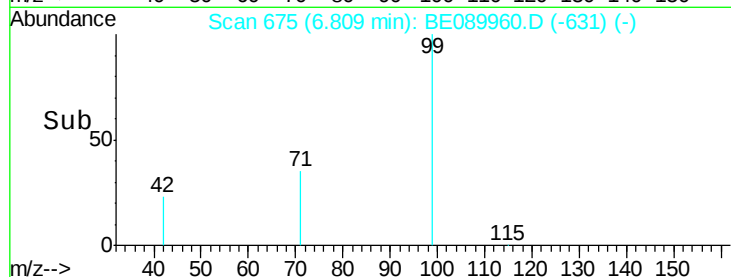
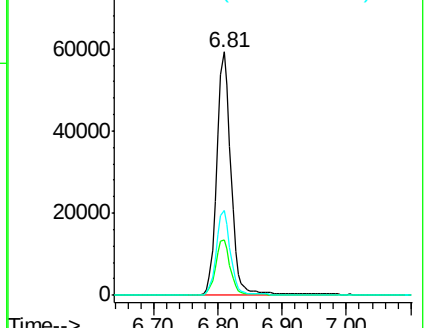
71 35.1 27.8 41.6



Abundance Ion 99.00 (98.70 to 99.70): BE089960.D (-631) (-)

Ion 42.00 (41.70 to 42.70): BE089960.D (-631) (-)

Ion 71.00 (70.70 to 71.70): BE089960.D (-631) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.39 min Scan# 1378

Delta R.T. -0.00 min

Lab File: BE089960.D

Acq: 27 Jun 2015 3:23

Tgt Ion: 136 Resp: 131149

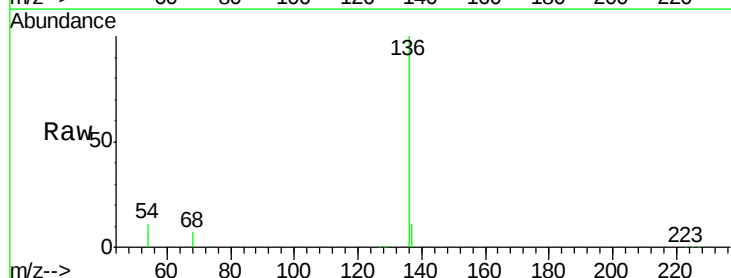
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 10.7 9.7 14.5

68 7.3 6.5 9.7

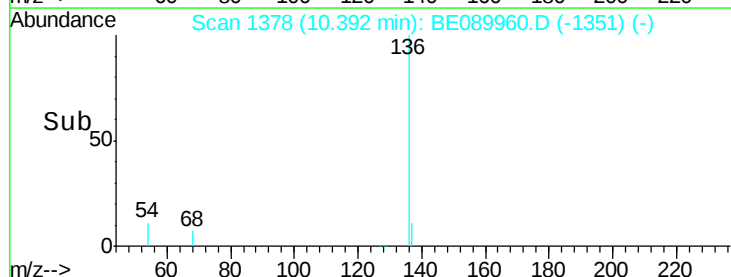
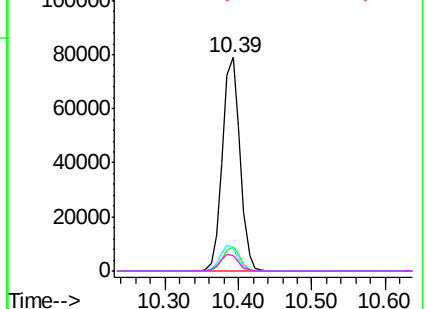


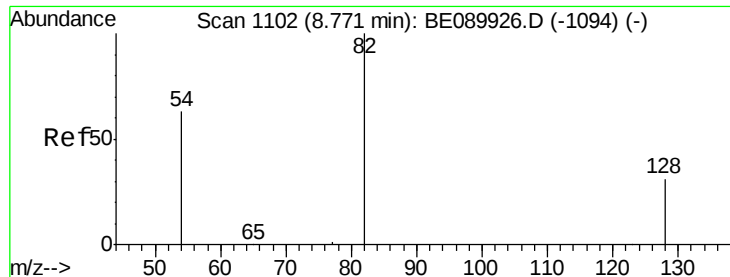
Abundance Ion 136.00 (135.70 to 136.70): BE089960.D (-1351) (-)

Ion 137.00 (136.70 to 137.70): BE089960.D (-1351) (-)

Ion 54.00 (53.70 to 54.70): BE089960.D (-1351) (-)

Ion 68.00 (67.70 to 68.70): BE089960.D (-1351) (-)





#7

Nitrobenzene-d5

Concen: 6.83 ng

RT: 8.77 min Scan# 1102

Delta R.T. 0.00 min

Lab File: BE089960.D

Acq: 27 Jun 2015 3:23

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL2015-01

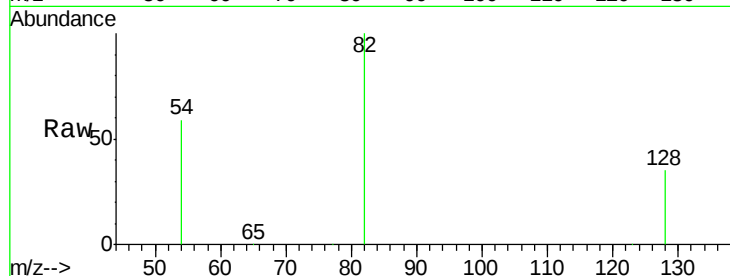
Tgt Ion: 82 Resp: 66676

Ion Ratio Lower Upper

82 100

128 34.7 25.6 38.4

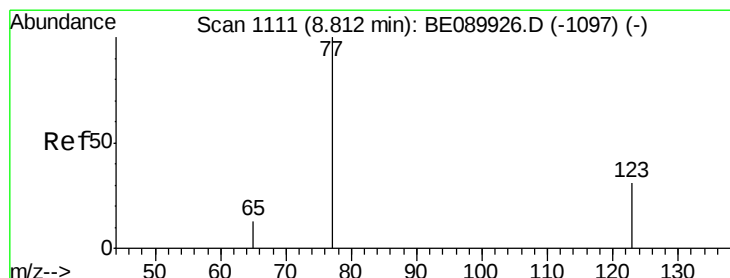
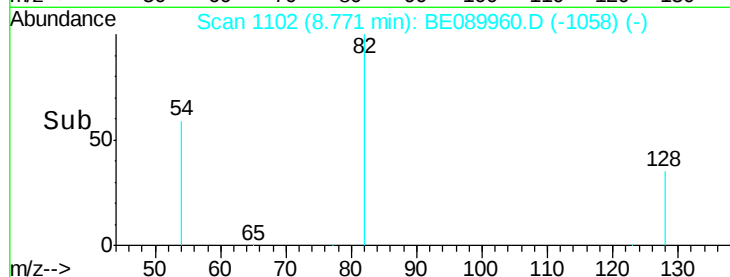
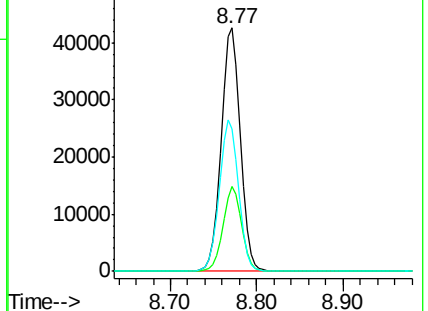
54 58.6 51.2 76.8



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



#8

Nitrobenzene

Concen: 0.07 ng

RT: 8.81 min Scan# 1111

Delta R.T. 0.00 min

Lab File: BE089960.D

Acq: 27 Jun 2015 3:23

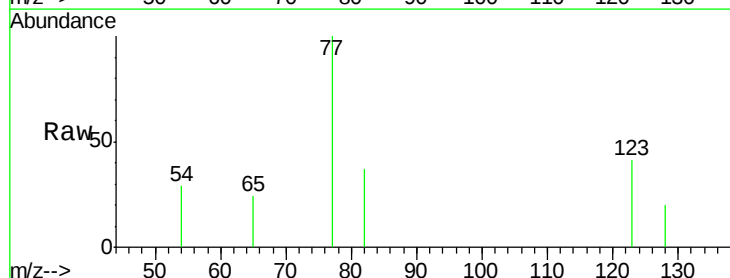
Tgt Ion: 77 Resp: 701

Ion Ratio Lower Upper

77 100

123 36.1 26.6 39.8

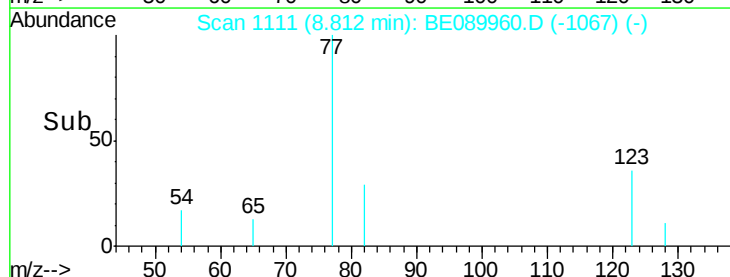
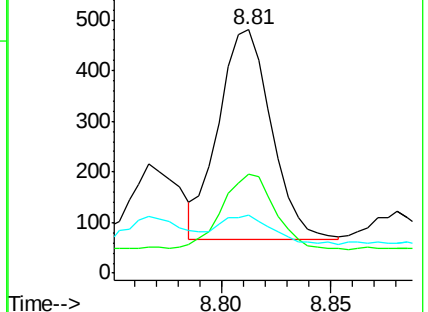
65 12.8 10.2 15.4

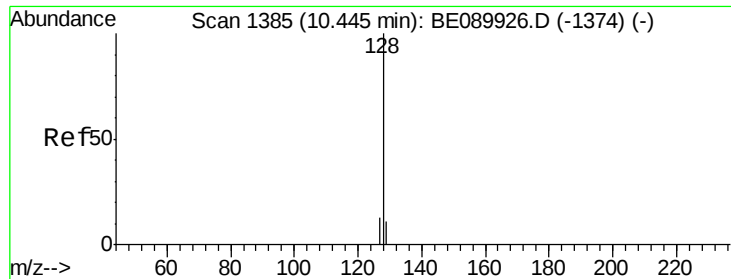


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#9

Naphthalene

Concen: 0.06 ng

RT: 10.44 min Scan# 1384

Delta R.T. -0.01 min

Lab File: BE089960.D

Acq: 27 Jun 2015 3:23

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ClientSampleId :

LOD-SOIL2015-01

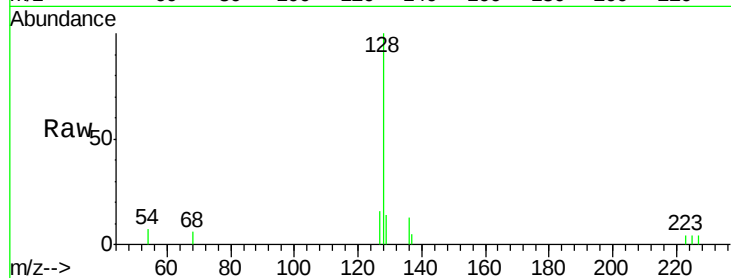
Tgt Ion:128 Resp: 1884

Ion Ratio Lower Upper

128 100

129 13.7 8.9 13.3#

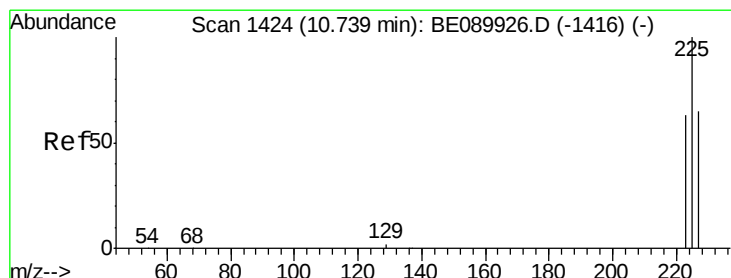
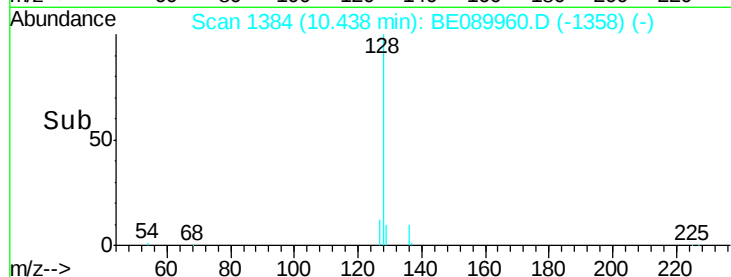
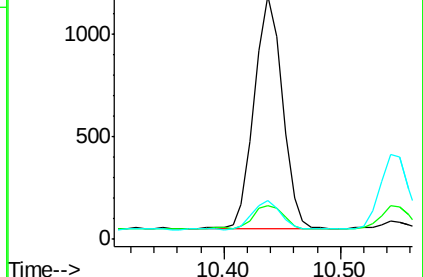
127 15.9 10.2 15.4#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.06 ng

RT: 10.74 min Scan# 1424

Delta R.T. 0.00 min

Lab File: BE089960.D

Acq: 27 Jun 2015 3:23

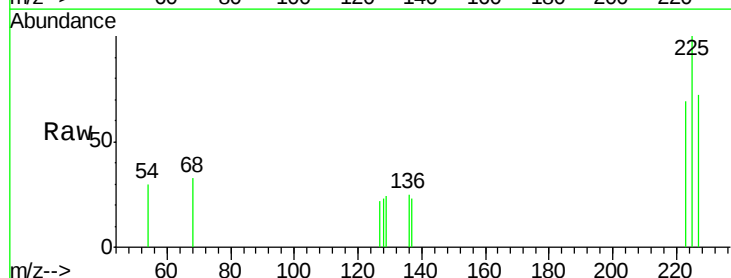
Tgt Ion:225 Resp: 295

Ion Ratio Lower Upper

225 100

223 65.1 50.0 75.0

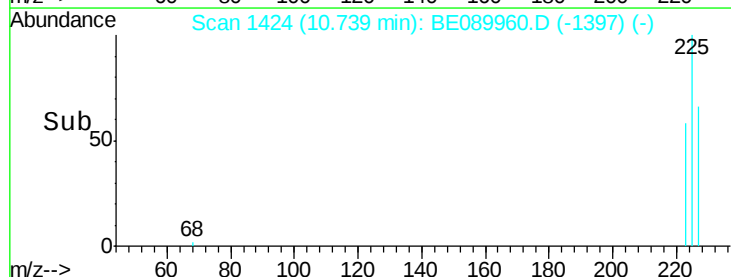
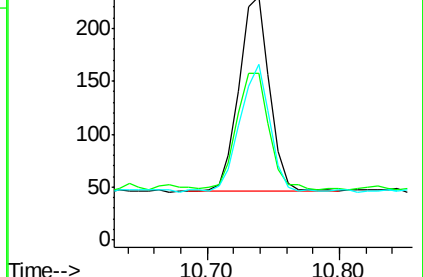
227 65.8 50.7 76.1

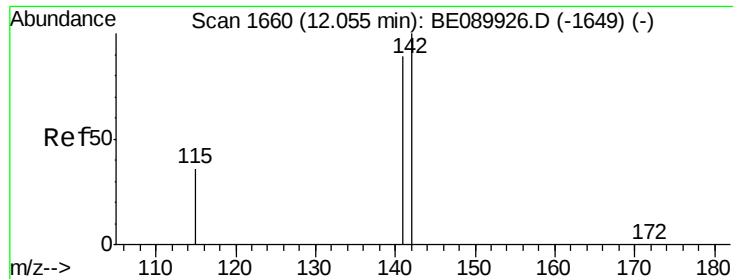


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

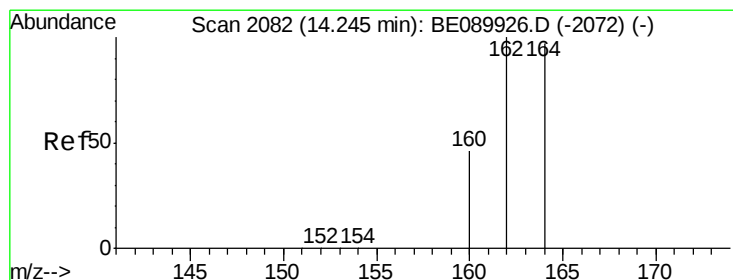
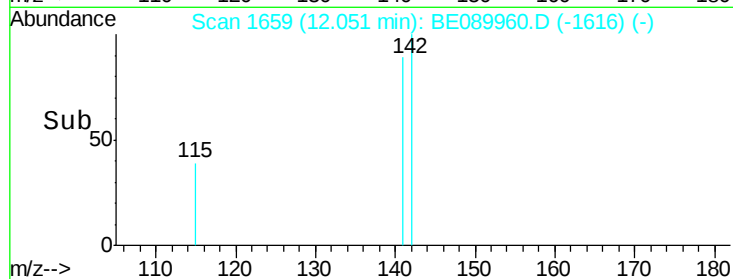
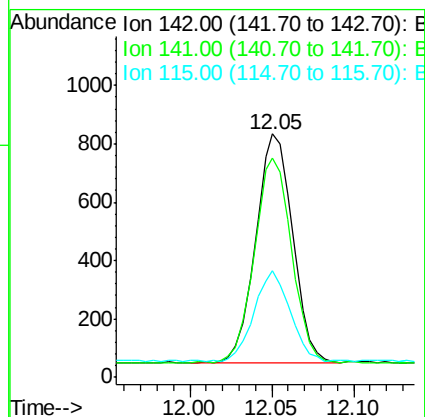
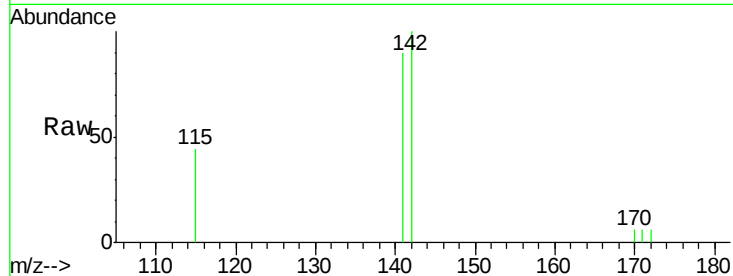




#11
2-Methylnaphthalene
Concen: 0.06 ng
RT: 12.05 min Scan# 1659
Delta R.T. -0.00 min
Lab File: BE089960.D
Acq: 27 Jun 2015 3:23

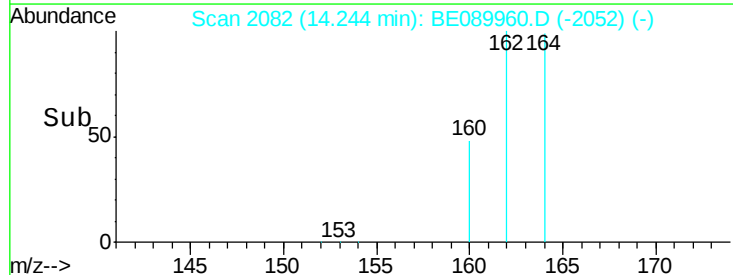
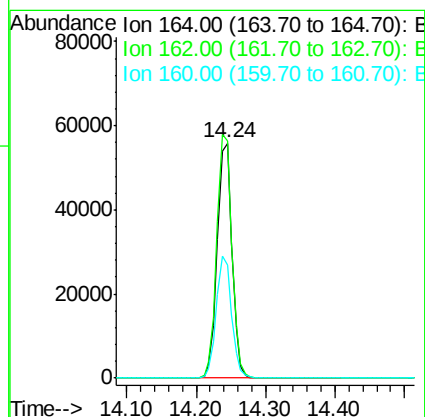
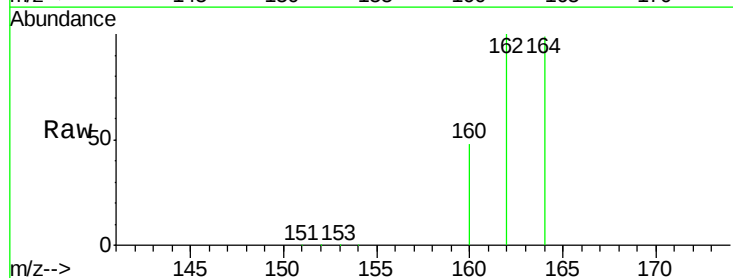
Instrument :
BNA_E
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LOD-SOIL2015-01

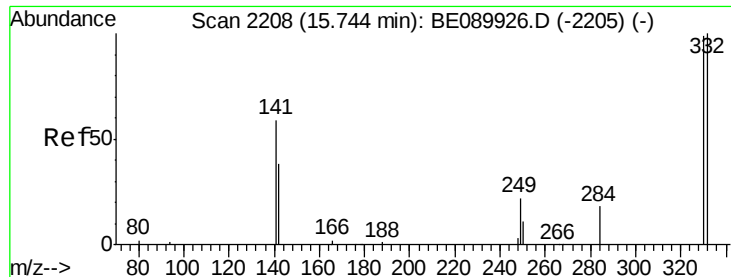
Tgt Ion:142 Resp: 1232
Ion Ratio Lower Upper
142 100
141 89.9 71.1 106.7
115 43.8 29.1 43.7#



#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.24 min Scan# 2082
Delta R.T. -0.00 min
Lab File: BE089960.D
Acq: 27 Jun 2015 3:23

Tgt Ion:164 Resp: 80738
Ion Ratio Lower Upper
164 100
162 100.7 82.7 124.1
160 48.0 38.3 57.5

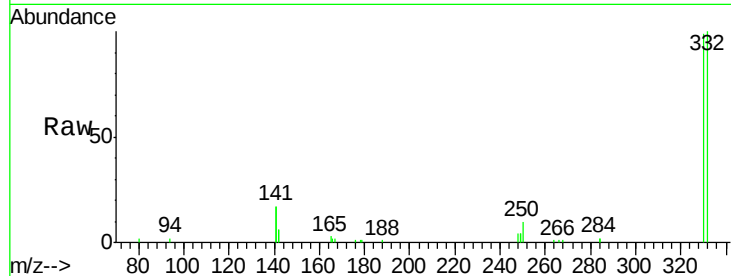




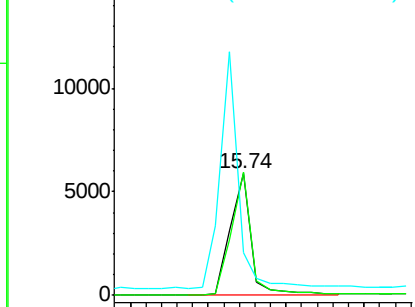
#13
 2,4,6-Tribromophenol
 Concen: 7.52 ng
 RT: 15.74 min Scan# 2209
 Delta R.T. 0.00 min
 Lab File: BE089960.D
 Acq: 27 Jun 2015 3:23

Instrument :
 BNA_E
 ClientSampleId :
 LOD-SOIL2015-01

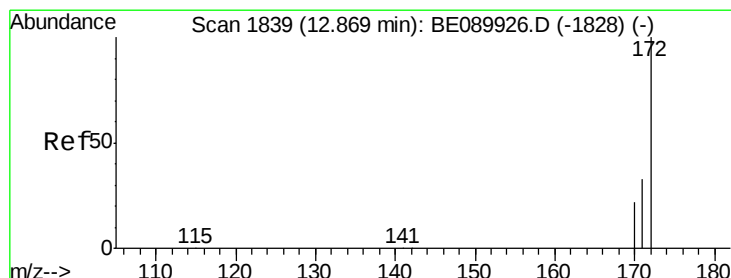
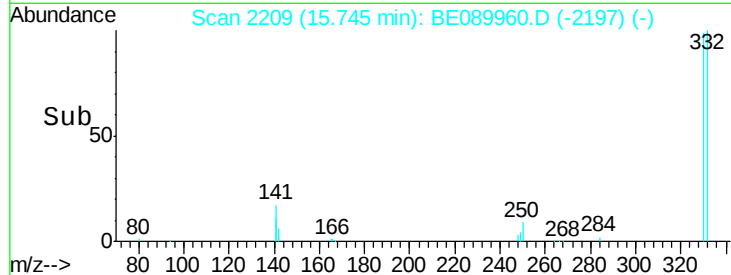
Tgt Ion:330 Resp: 10675
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.9 116.9
 141 174.0 142.8 214.2



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

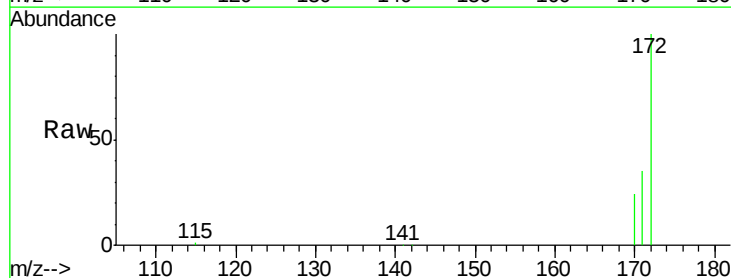


Time--> 15.60 15.70 15.80 15.90

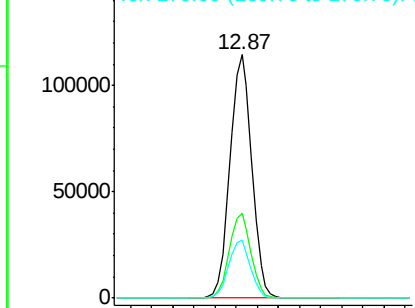


#14
 2-Fluorobiphenyl
 Concen: 6.97 ng
 RT: 12.87 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: BE089960.D
 Acq: 27 Jun 2015 3:23

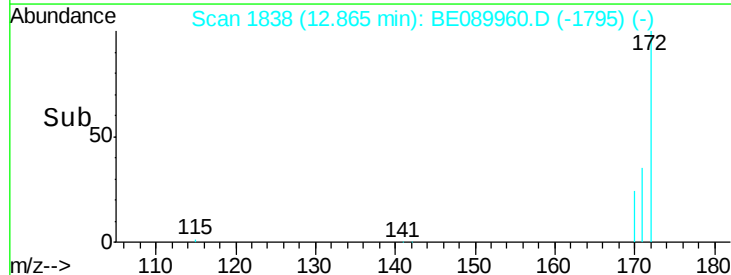
Tgt Ion:172 Resp: 163898
 Ion Ratio Lower Upper
 172 100
 171 34.7 26.7 40.1
 170 23.6 17.5 26.3

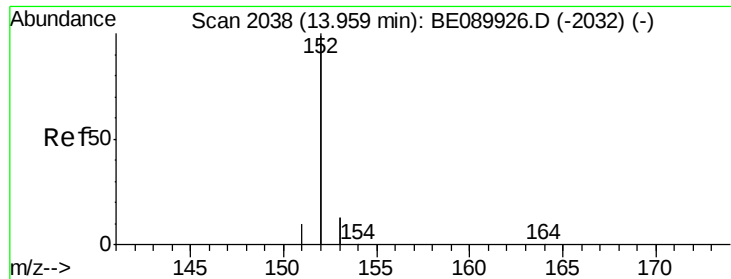


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



Time--> 12.80 12.90 13.00





#15

Acenaphthylene

Concen: 0.06 ng

RT: 13.96 min Scan# 2038

Delta R.T. -0.00 min

Lab File: BE089960.D

Acq: 27 Jun 2015 3:23

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL2015-01

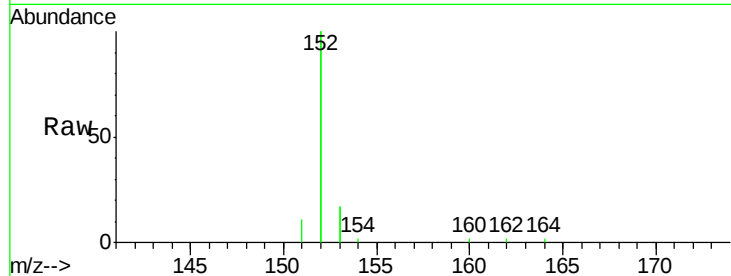
Tgt Ion:152 Resp: 8168

Ion Ratio Lower Upper

152 100

151 4.9 3.9 5.9

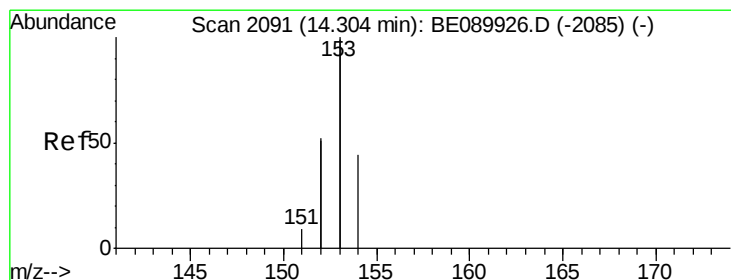
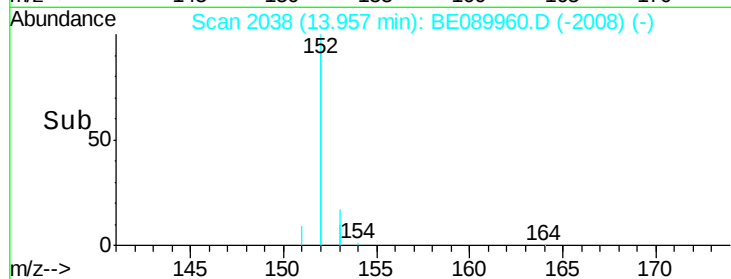
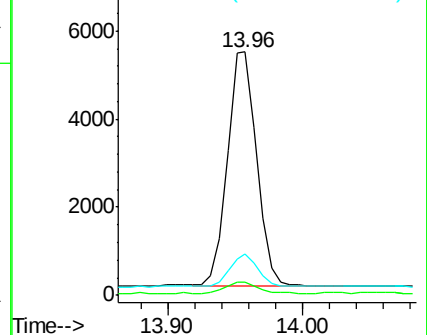
153 13.5 10.4 15.6



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



#16

Acenaphthene

Concen: 0.06 ng

RT: 14.30 min Scan# 2091

Delta R.T. -0.00 min

Lab File: BE089960.D

Acq: 27 Jun 2015 3:23

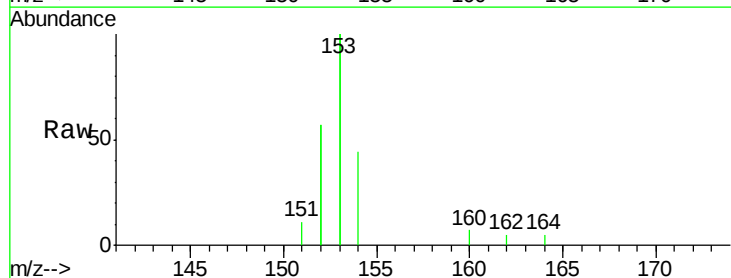
Tgt Ion:154 Resp: 1233

Ion Ratio Lower Upper

154 100

153 472.1 362.8 544.2

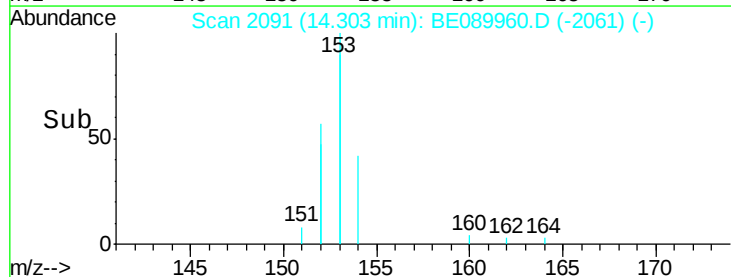
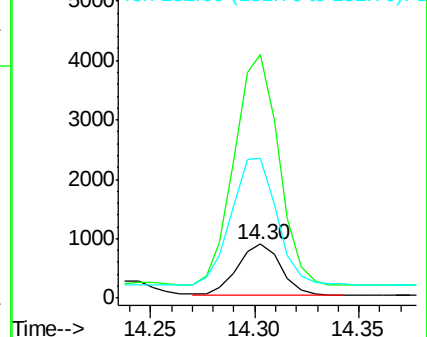
152 269.4 194.6 291.8

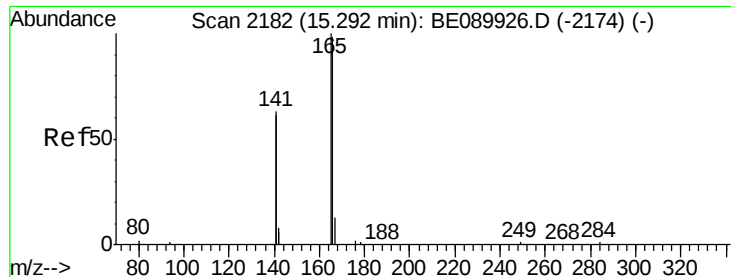


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

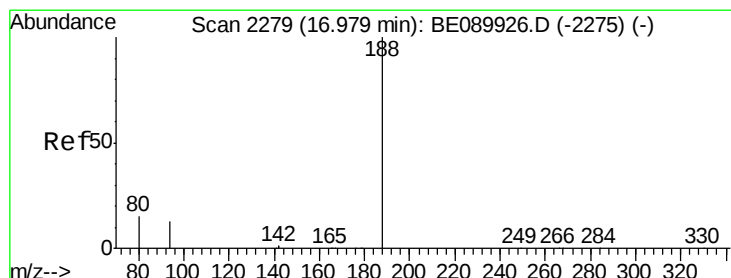
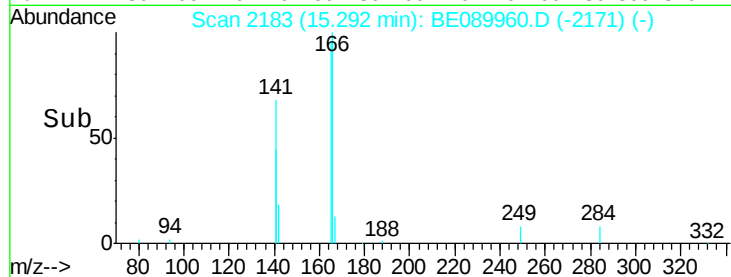
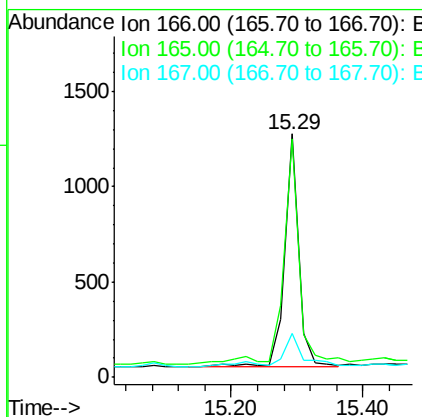
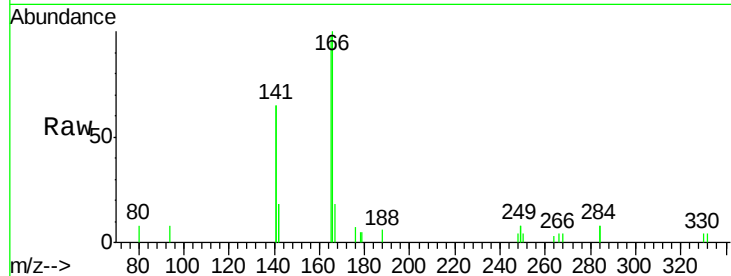




#17
Fluorene
 Concen: 0.06 ng
 RT: 15.29 min Scan# 2183
 Delta R.T. 0.00 min
 Lab File: BE089960.D
 Acq: 27 Jun 2015 3:23

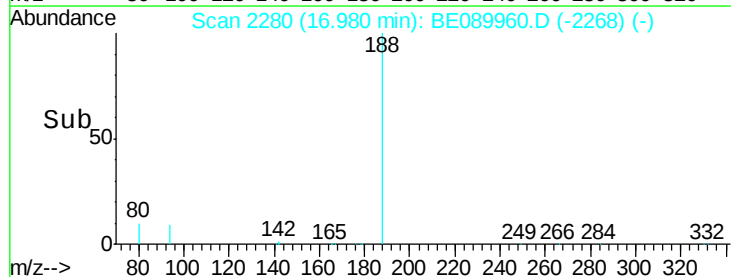
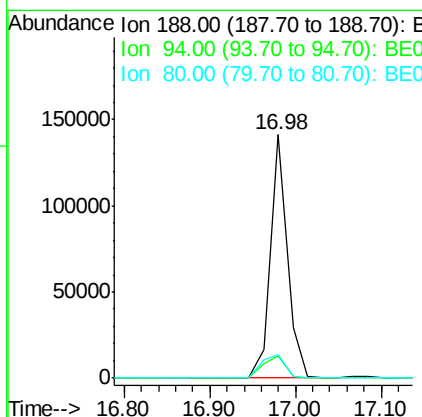
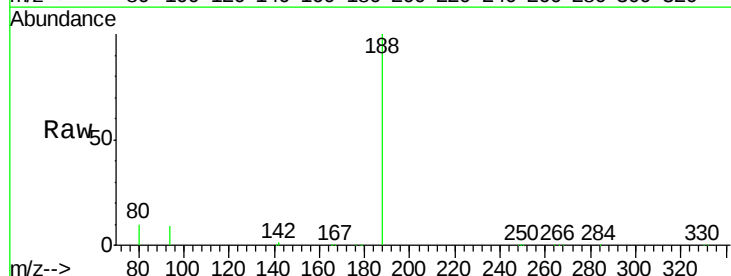
Instrument :
 BNA_E
 ClientSampleId :
 LOD-SOIL2015-01

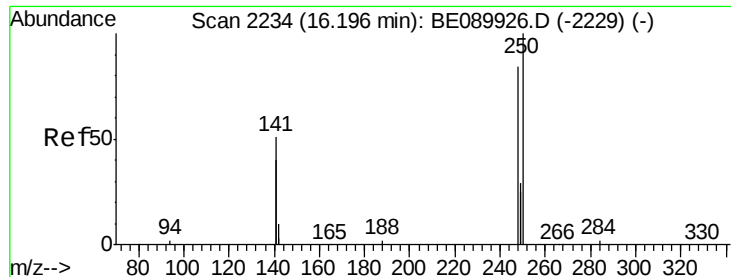
Tgt Ion:166 Resp: 1810
 Ion Ratio Lower Upper
 166 100
 165 110.1 81.1 121.7
 167 17.6 11.8 17.8



#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 16.98 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: BE089960.D
 Acq: 27 Jun 2015 3:23

Tgt Ion:188 Resp: 197035
 Ion Ratio Lower Upper
 188 100
 94 8.9 10.6 16.0#
 80 9.8 11.8 17.6#





#19

4-Bromophenyl-phenylether

Concen: 0.06 ng

RT: 16.18 min Scan# 2234

Delta R.T. -0.02 min

Lab File: BE089960.D

Acq: 27 Jun 2015 3:23

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL2015-01

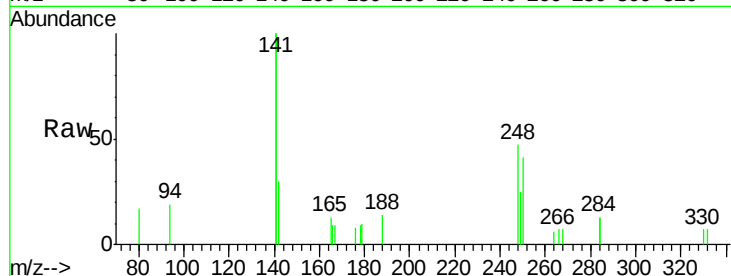
Tgt Ion:248 Resp: 484

Ion Ratio Lower Upper

248 100

250 94.6 79.3 118.9

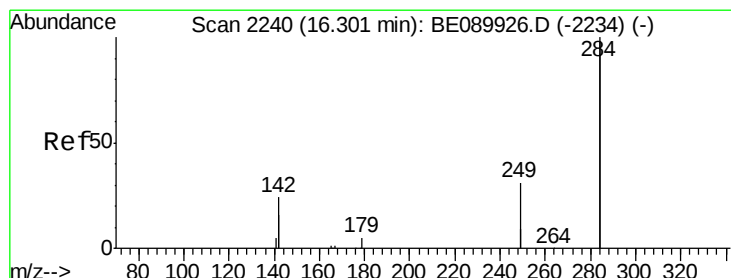
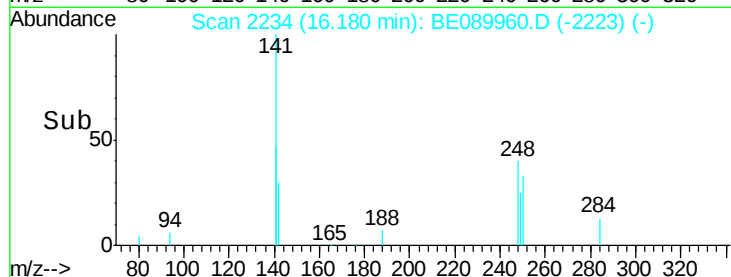
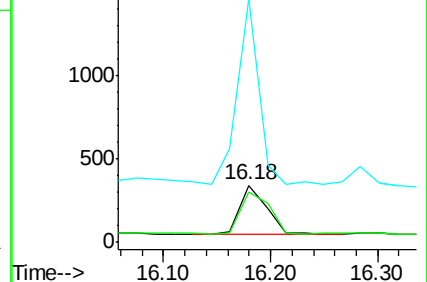
141 318.4 274.1 411.1



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#20

Hexachlorobenzene

Concen: 0.06 ng

RT: 16.30 min Scan# 2241

Delta R.T. 0.00 min

Lab File: BE089960.D

Acq: 27 Jun 2015 3:23

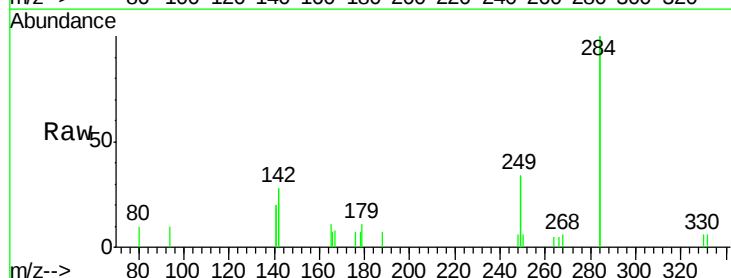
Tgt Ion:284 Resp: 2248

Ion Ratio Lower Upper

284 100

142 39.4 32.0 48.0

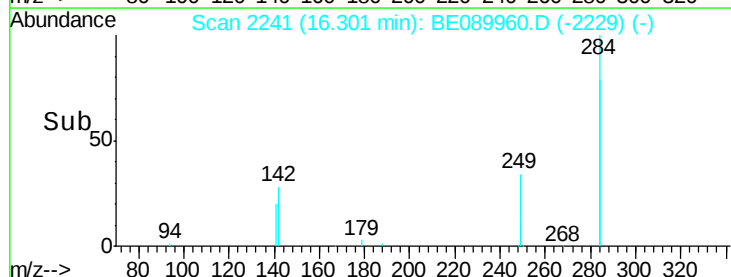
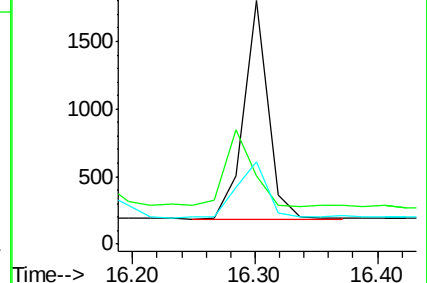
249 33.8 25.0 37.6

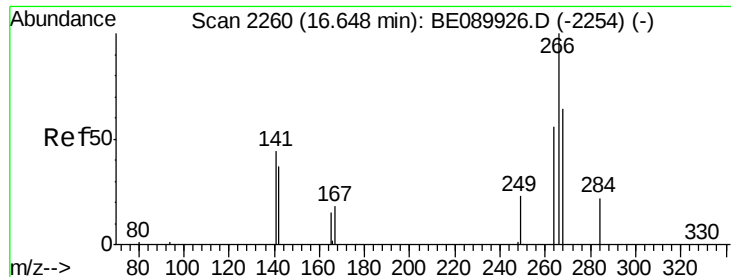


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

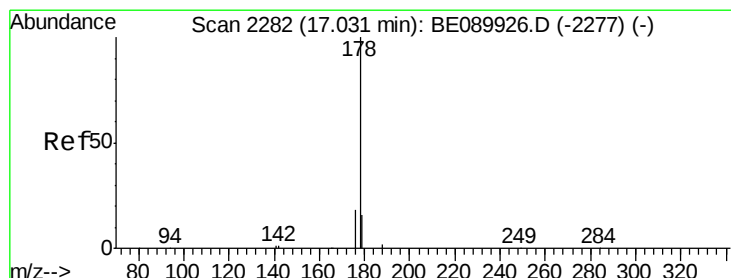
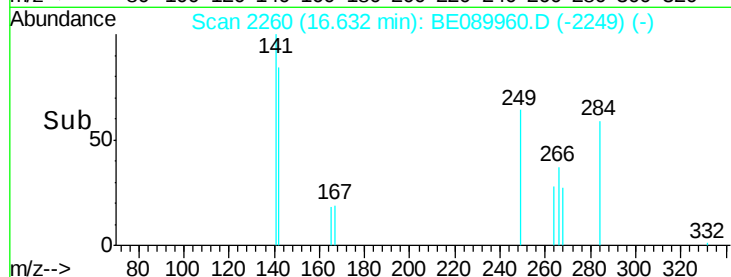
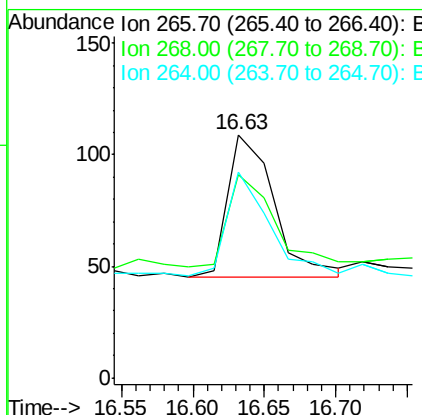
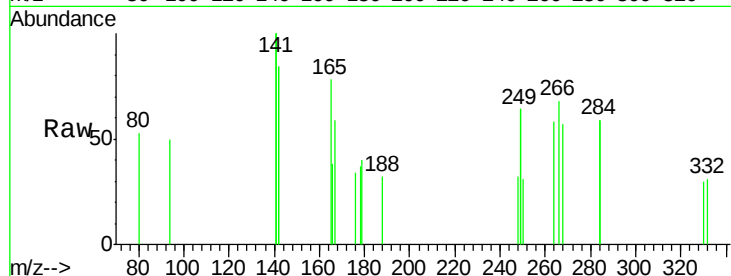




#21
 Pentachlorophenol
 Concen: 0.51 ng
 RT: 16.63 min Scan# 2260
 Delta R.T. -0.02 min
 Lab File: BE089960.D
 Acq: 27 Jun 2015 3:23

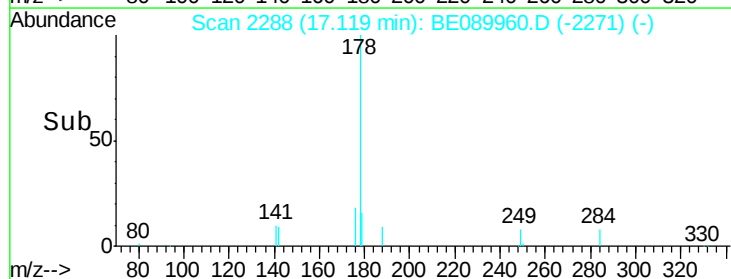
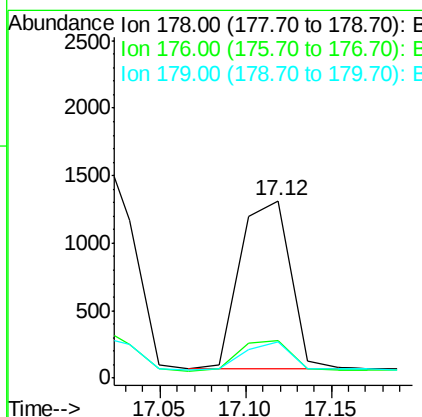
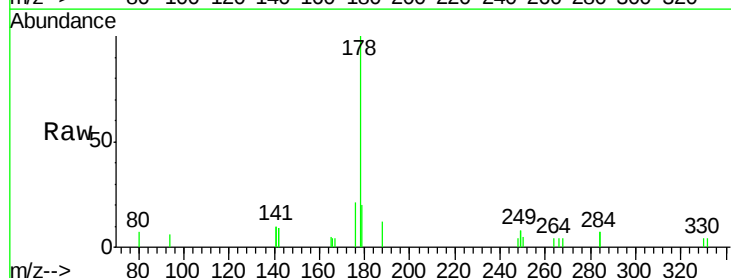
Instrument :
 BNA_E
 ClientSampleId :
 LOD-SOIL2015-01

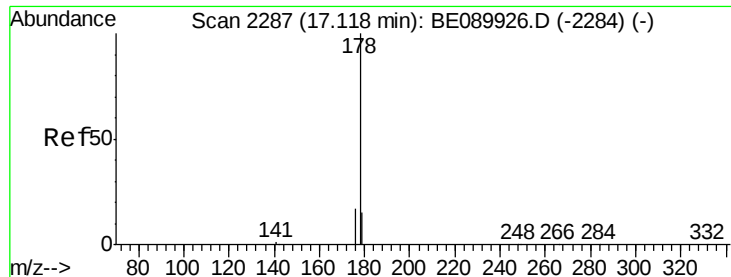
Tgt Ion:266 Resp: 145
 Ion Ratio Lower Upper
 266 100
 268 83.5 54.4 81.6#
 264 84.4 48.2 72.2#



#22
 Phenanthrene
 Concen: 0.05 ng
 RT: 17.12 min Scan# 2288
 Delta R.T. 0.09 min
 Lab File: BE089960.D
 Acq: 27 Jun 2015 3:23

Tgt Ion:178 Resp: 2576
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.4 23.2
 179 15.1 12.6 19.0





#23

Anthracene

Concen: 0.06 ng

RT: 17.12 min Scan# 2288

Delta R.T. 0.00 min

Lab File: BE089960.D

Acq: 27 Jun 2015 3:23

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL2015-01

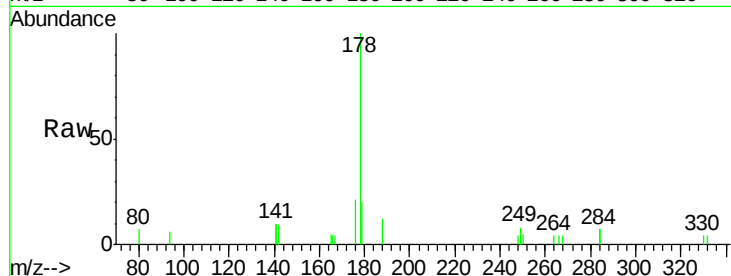
Tgt Ion:178 Resp: 2620

Ion Ratio Lower Upper

178 100

176 18.7 14.6 21.8

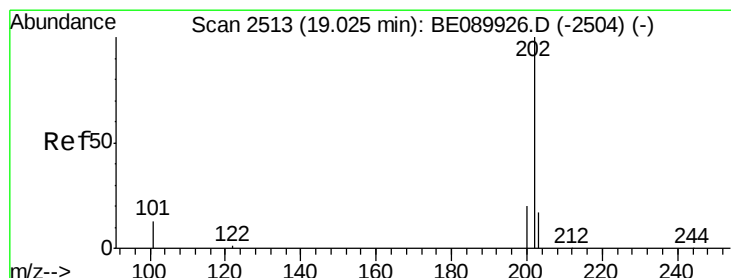
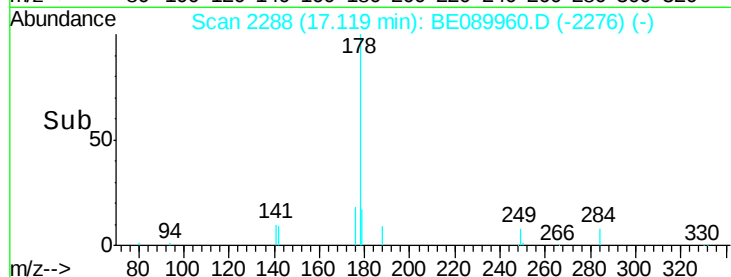
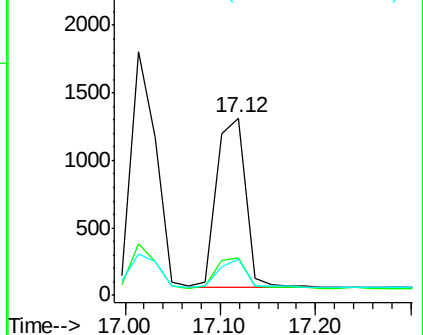
179 16.3 12.3 18.5



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



#24

Fluoranthene

Concen: 0.06 ng

RT: 19.02 min Scan# 2513

Delta R.T. -0.00 min

Lab File: BE089960.D

Acq: 27 Jun 2015 3:23

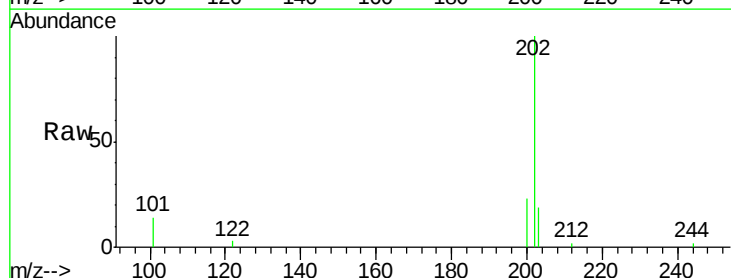
Tgt Ion:202 Resp: 3099

Ion Ratio Lower Upper

202 100

101 13.0 10.6 16.0

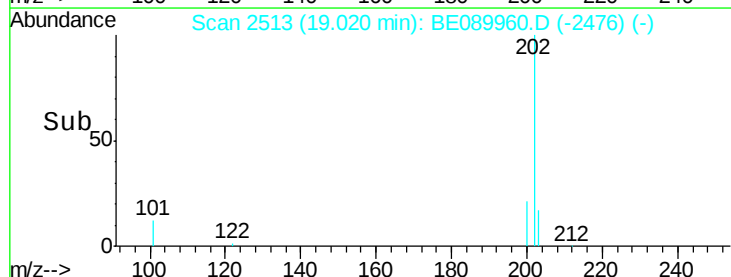
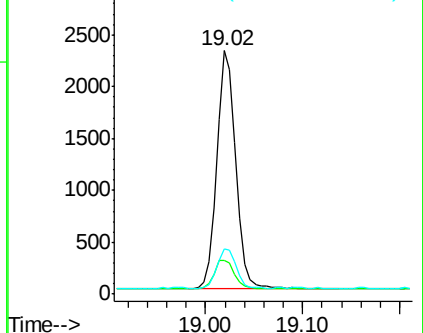
203 17.2 13.8 20.8

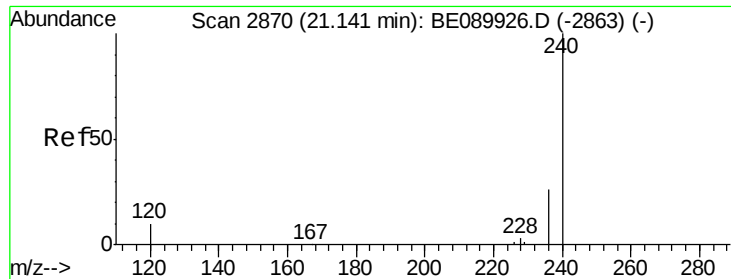


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.13 min Scan# 2870

Delta R.T. -0.01 min

Lab File: BE089960.D

Acq: 27 Jun 2015 3:23

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL2015-01

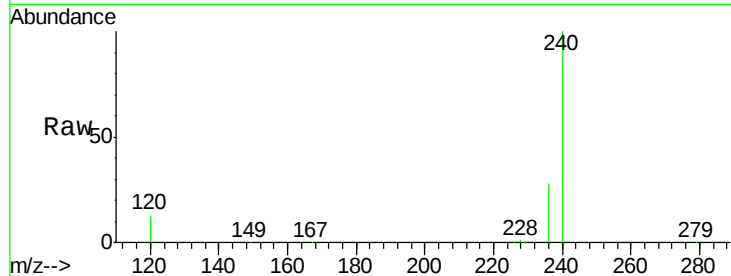
Tgt Ion:240 Resp: 216256

Ion Ratio Lower Upper

240 100

120 13.3 7.9 11.9#

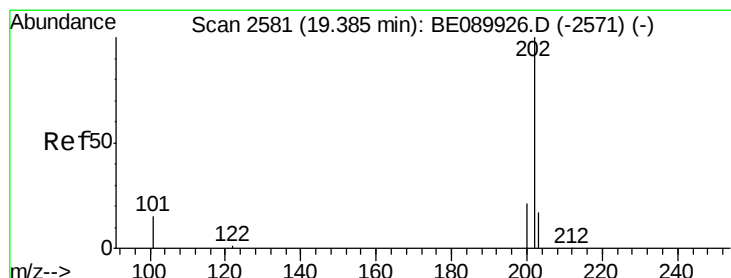
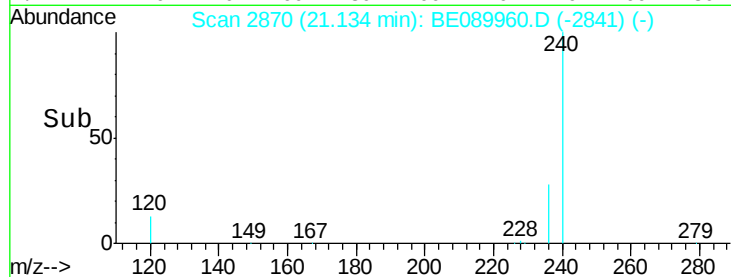
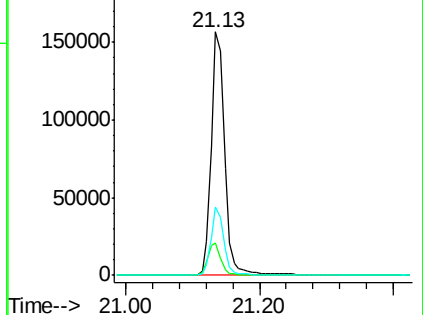
236 27.9 21.2 31.8



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



#26

Pyrene

Concen: 0.06 ng

RT: 19.38 min Scan# 2581

Delta R.T. -0.00 min

Lab File: BE089960.D

Acq: 27 Jun 2015 3:23

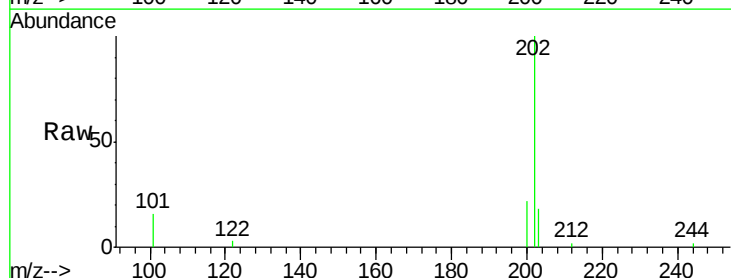
Tgt Ion:202 Resp: 3539

Ion Ratio Lower Upper

202 100

200 21.3 16.6 25.0

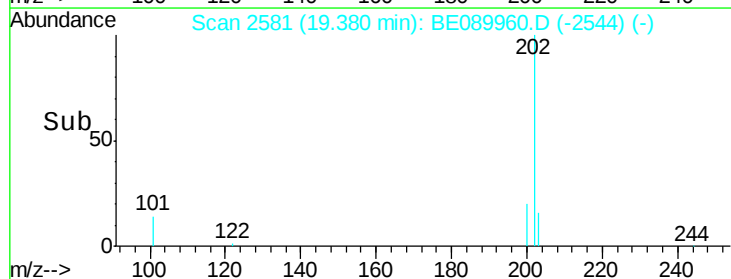
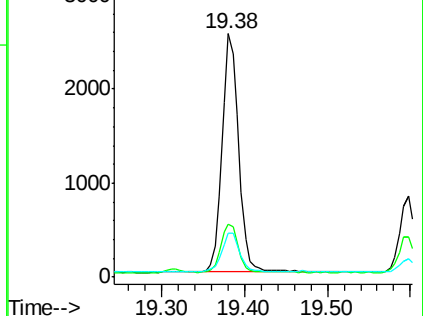
203 18.3 13.9 20.9

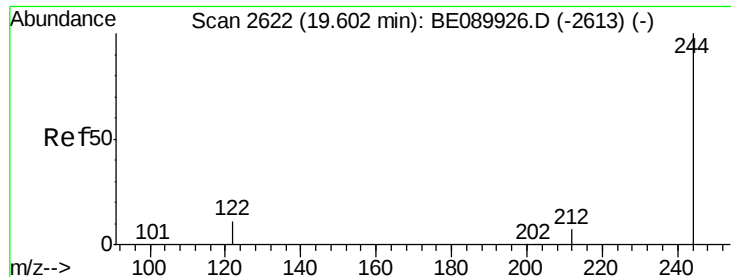


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Terphenyl-d14

Concen: 7.21 ng

RT: 19.60 min Scan# 2622

Delta R.T. -0.00 min

Lab File: BE089960.D

Acq: 27 Jun 2015 3:23

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL2015-01

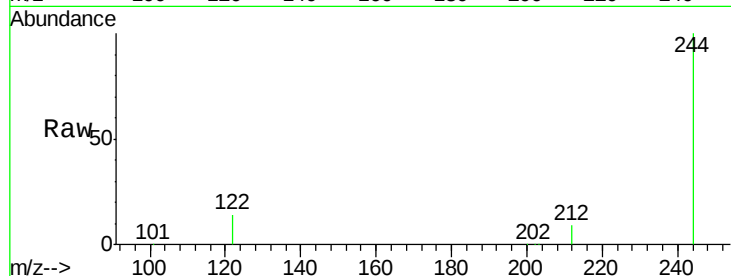
Tgt Ion:244 Resp: 269063

Ion Ratio Lower Upper

244 100

212 8.5 6.1 9.1

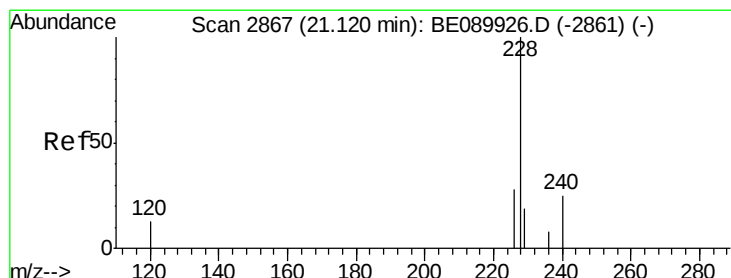
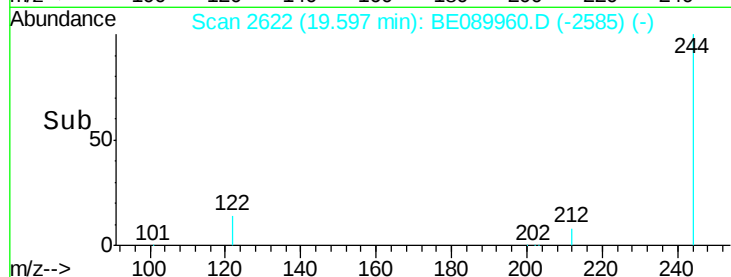
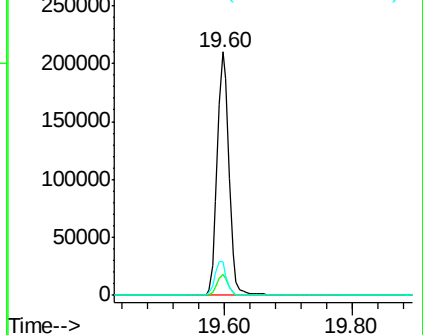
122 13.7 8.7 13.1#



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



#28

Benzo(a)anthracene

Concen: 0.07 ng

RT: 21.12 min Scan# 2868

Delta R.T. 0.00 min

Lab File: BE089960.D

Acq: 27 Jun 2015 3:23

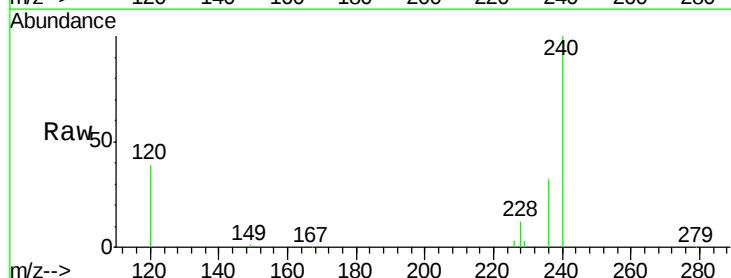
Tgt Ion:228 Resp: 3742

Ion Ratio Lower Upper

228 100

226 28.4 22.2 33.4

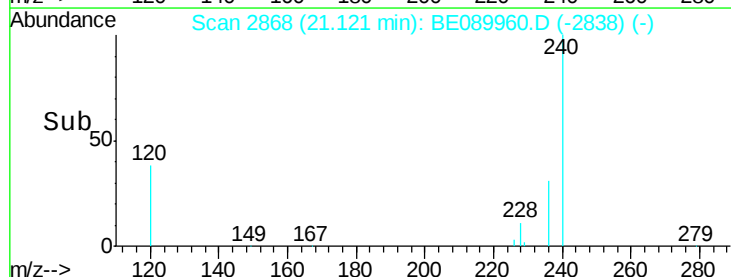
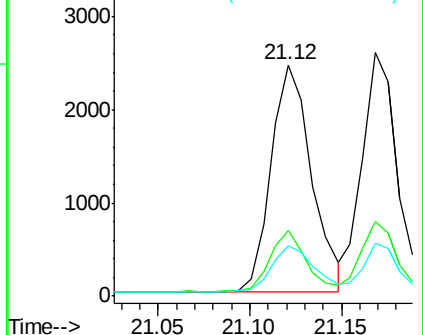
229 21.5 15.3 22.9

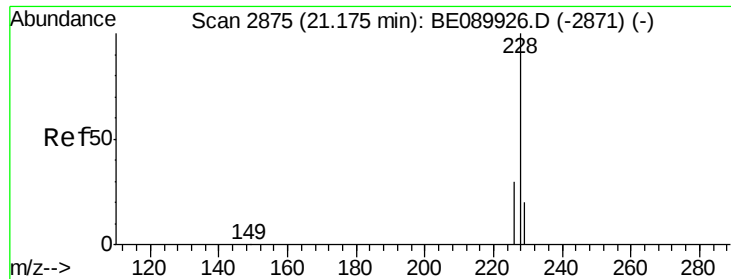


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#29

Chrysene

Concen: 0.06 ng

RT: 21.17 min Scan# 2875

Delta R.T. -0.01 min

Lab File: BE089960.D

Acq: 27 Jun 2015 3:23

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL2015-01

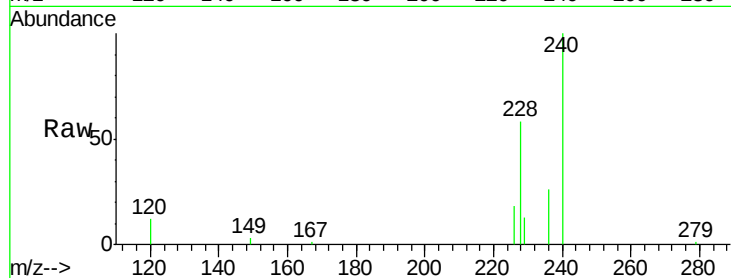
Tgt Ion:228 Resp: 3556

Ion Ratio Lower Upper

228 100

226 30.7 23.7 35.5

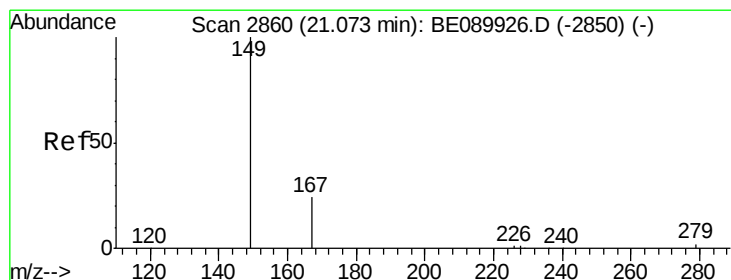
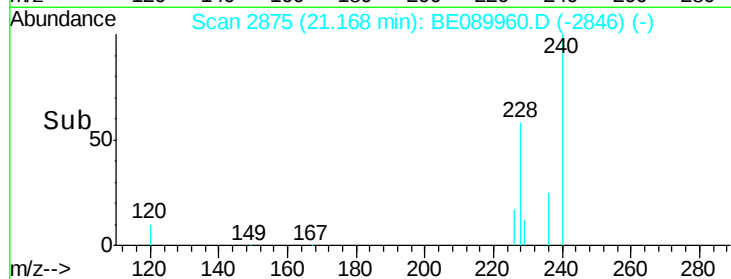
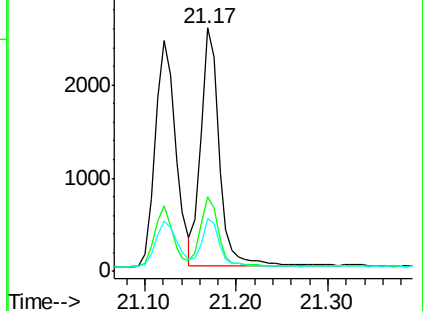
229 21.9 15.8 23.8



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



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.10 ng

RT: 21.07 min Scan# 2860

Delta R.T. -0.01 min

Lab File: BE089960.D

Acq: 27 Jun 2015 3:23

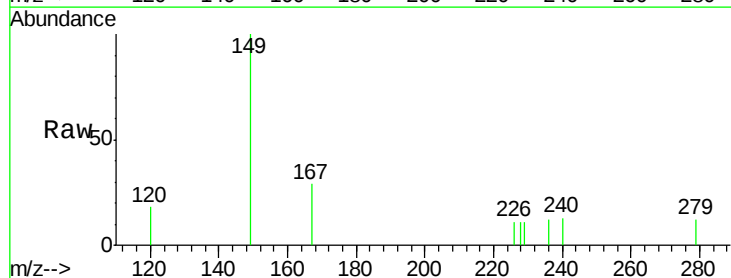
Tgt Ion:149 Resp: 428

Ion Ratio Lower Upper

149 100

167 23.1 20.3 30.5

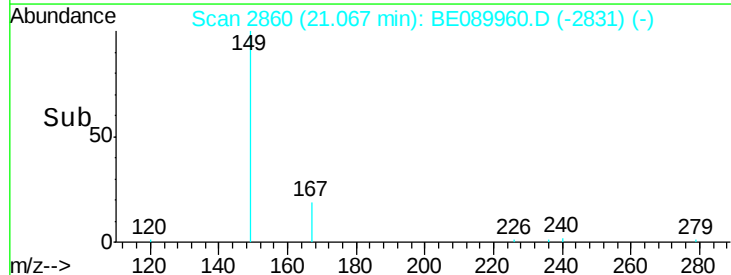
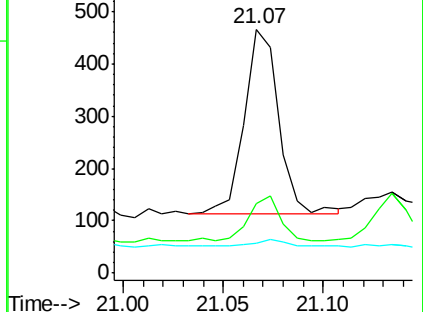
279 4.9 2.7 4.1#

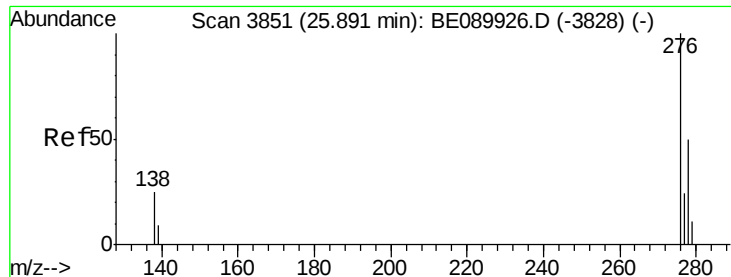


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#31

Indeno(1,2,3-cd)pyrene

Concen: 0.05 ng

RT: 25.88 min Scan# 3850

Delta R.T. -0.01 min

Lab File: BE089960.D

Acq: 27 Jun 2015 3:23

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL2015-01

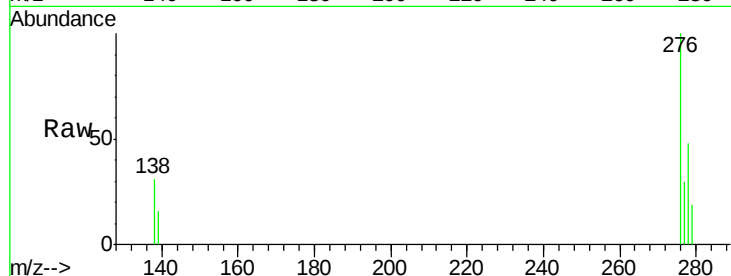
Tgt Ion:276 Resp: 2185

Ion Ratio Lower Upper

276 100

138 27.1 0.0 0.0#

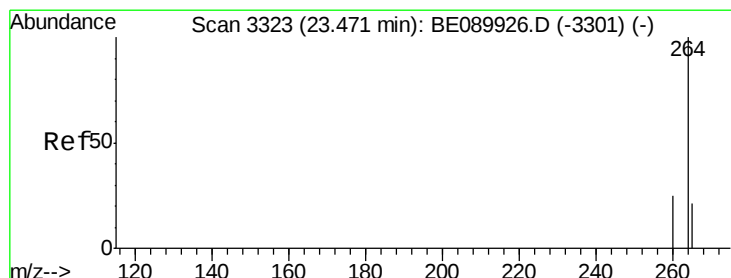
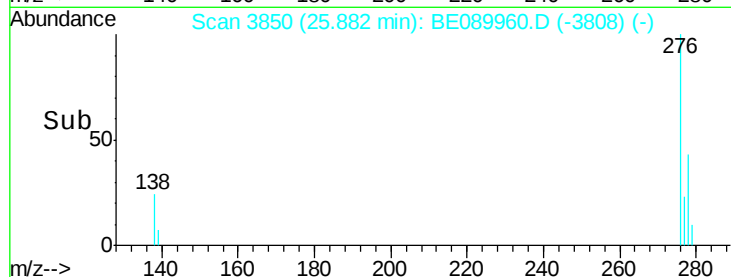
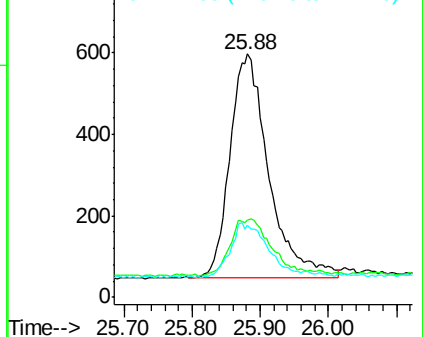
277 23.3 0.0 0.0#



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



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.47 min Scan# 3323

Delta R.T. -0.00 min

Lab File: BE089960.D

Acq: 27 Jun 2015 3:23

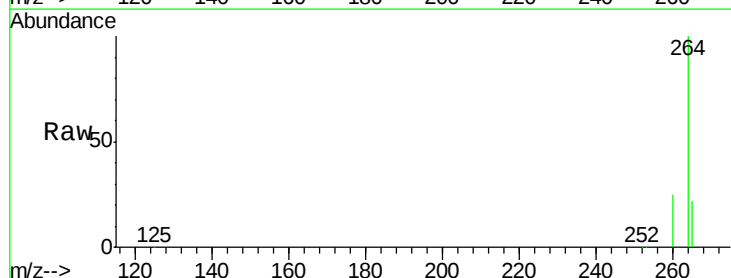
Tgt Ion:264 Resp: 190974

Ion Ratio Lower Upper

264 100

260 25.1 19.8 29.6

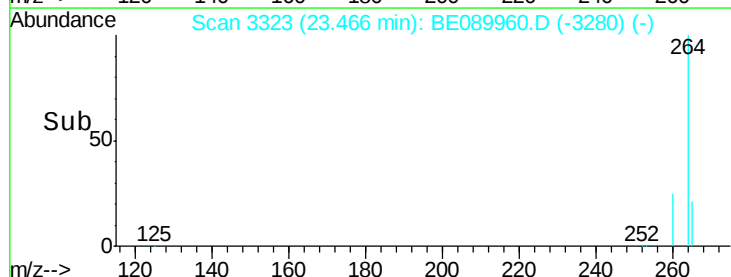
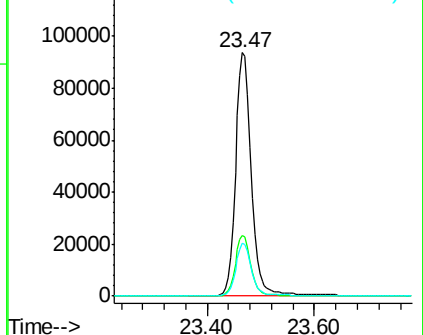
265 21.5 17.3 25.9

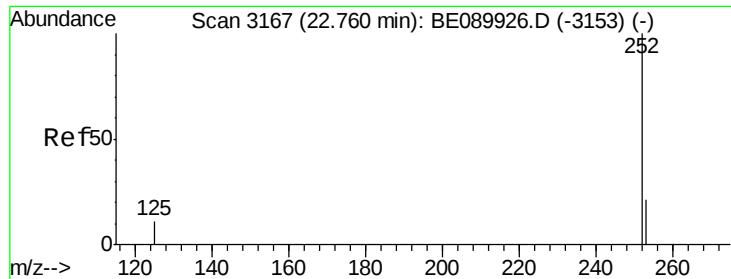


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#33

Benzo(b)fluoranthene

Concen: 0.06 ng

RT: 22.76 min Scan# 3167

Delta R.T. -0.00 min

Lab File: BE089960.D

Acq: 27 Jun 2015 3:23

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL2015-01

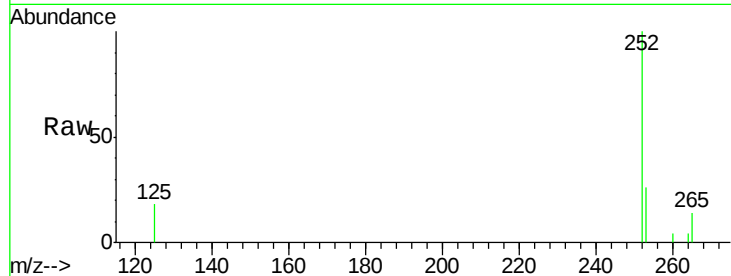
Tgt Ion:252 Resp: 2383

Ion Ratio Lower Upper

252 100

253 26.4 17.3 25.9#

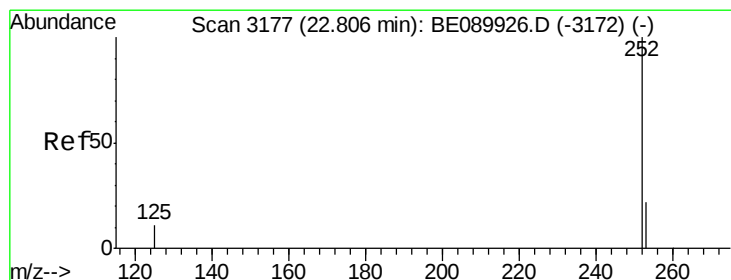
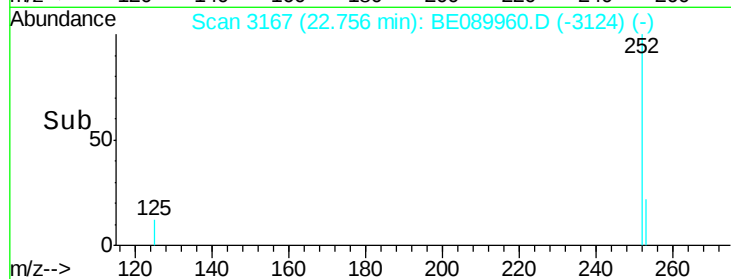
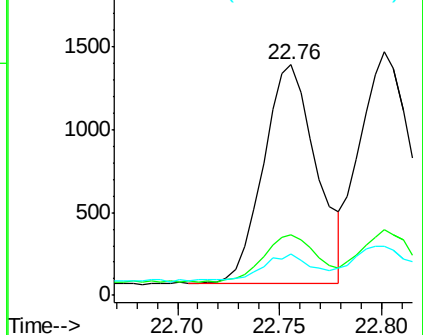
125 17.8 9.3 13.9#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#34

Benzo(k)fluoranthene

Concen: 0.06 ng

RT: 22.80 min Scan# 3177

Delta R.T. -0.00 min

Lab File: BE089960.D

Acq: 27 Jun 2015 3:23

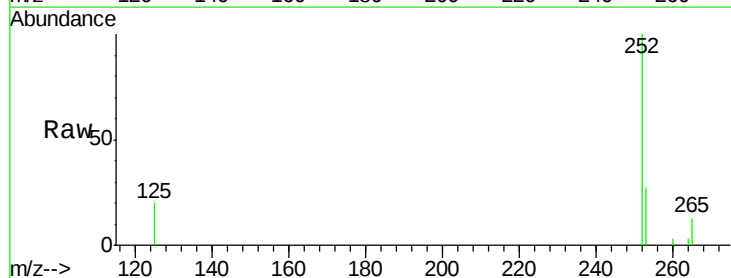
Tgt Ion:252 Resp: 2602

Ion Ratio Lower Upper

252 100

253 26.9 17.9 26.9

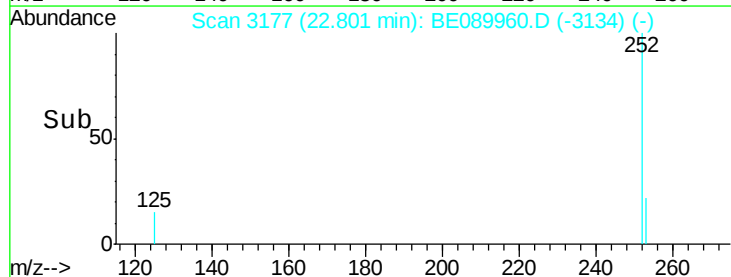
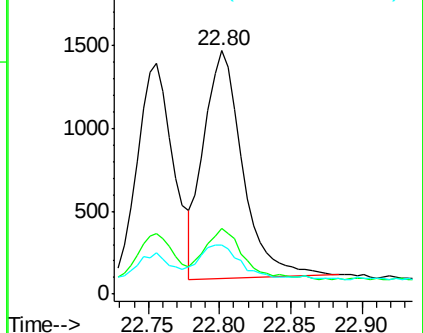
125 20.3 9.2 13.8#

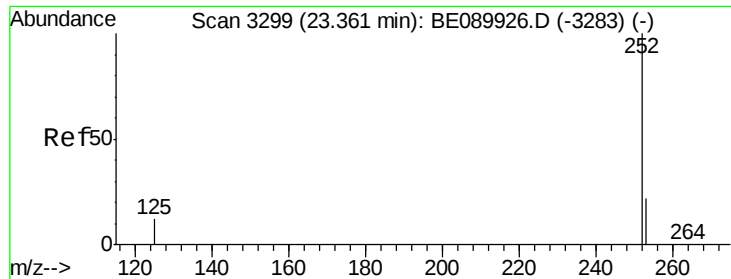


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Benzo(a)pyrene

Concen: 0.06 ng

RT: 23.36 min Scan# 3300

Delta R.T. -0.00 min

Lab File: BE089960.D

Acq: 27 Jun 2015 3:23

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL2015-01

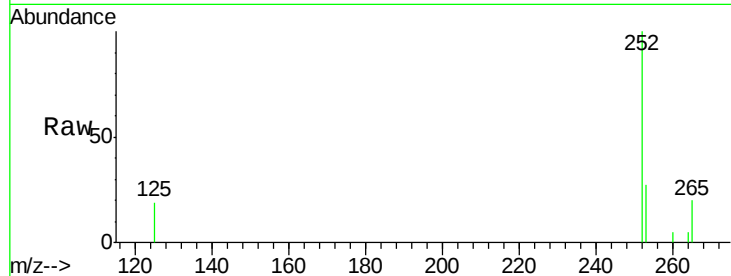
Tgt Ion:252 Resp: 2052

Ion Ratio Lower Upper

252 100

253 27.4 17.8 26.6#

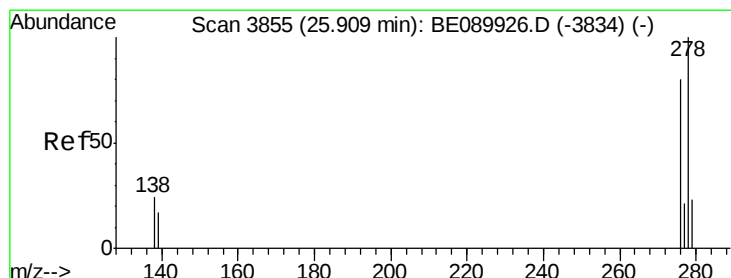
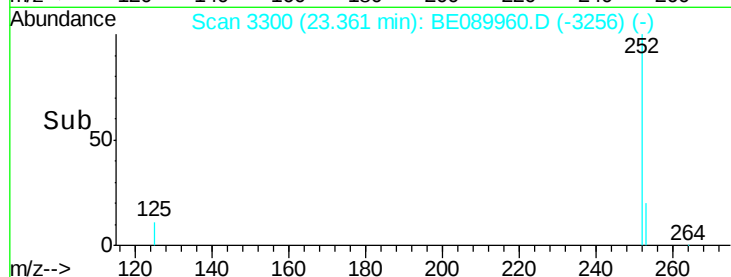
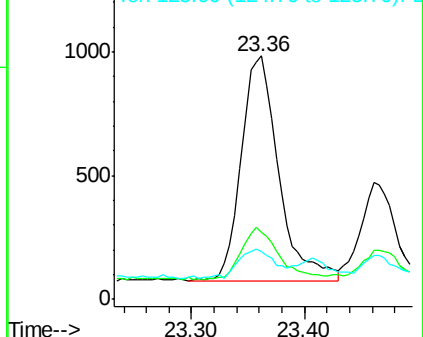
125 19.4 10.3 15.5#



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



#36

Dibenzo(a,h)anthracene

Concen: 0.05 ng

RT: 25.90 min Scan# 3855

Delta R.T. -0.00 min

Lab File: BE089960.D

Acq: 27 Jun 2015 3:23

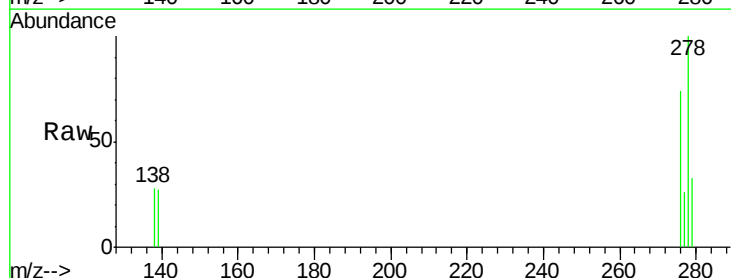
Tgt Ion:278 Resp: 1642

Ion Ratio Lower Upper

278 100

139 27.1 14.1 21.1#

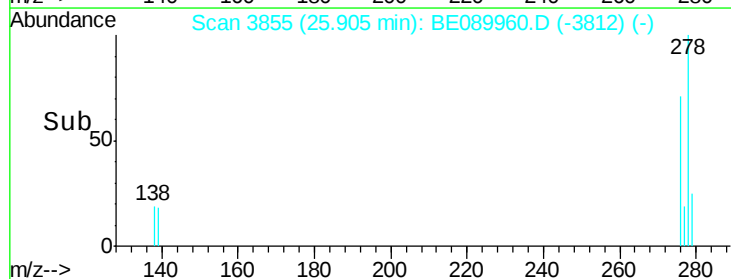
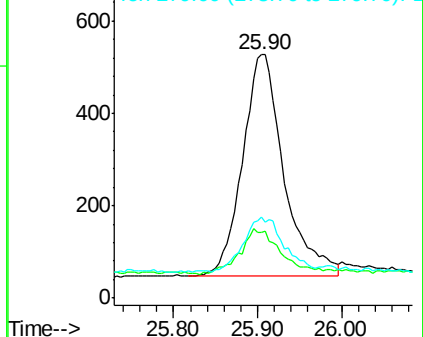
279 33.4 19.0 28.6#

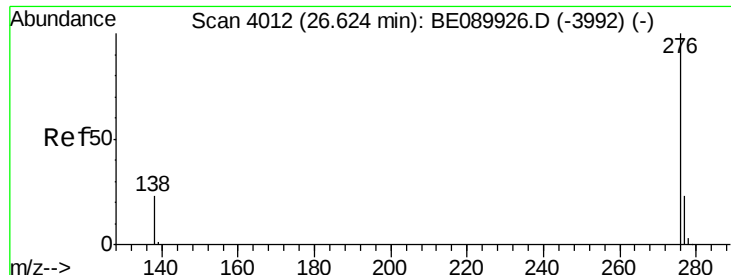


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#37

Benzo(g,h,i)perylene

Concen: 0.06 ng

RT: 26.62 min Scan# 4012

Delta R.T. -0.00 min

Lab File: BE089960.D

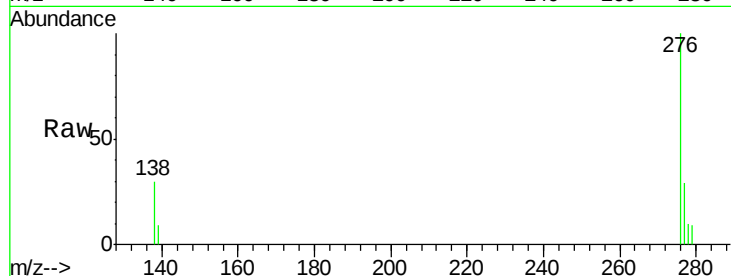
Acq: 27 Jun 2015 3:23

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL2015-01



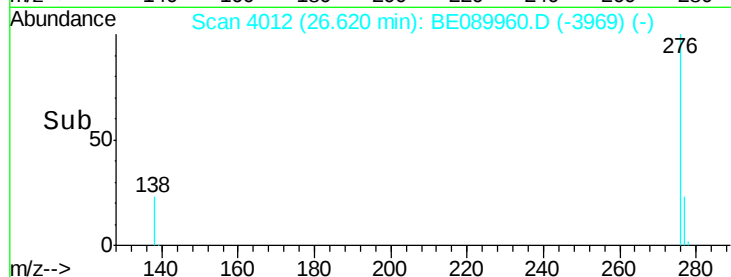
Tgt Ion: 276 Resp: 2022

Ion Ratio Lower Upper

276 100

277 28.9 19.0 28.4#

138 30.5 18.8 28.2#



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

26.62

600

400

200

0

Time--> 26.40 26.60 26.80