

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062615\
 Data File : BE089961.D
 Acq On : 27 Jun 2015 3:59
 Operator : TP/IZ
 Sample : G2653-04
 Misc : LOQ-SIM-SOIL-0.2PPM
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LOQ-SOIL2015-02

Quant Time: Jun 27 06:30:03 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	25859	5.00	ng	0.00
6) Naphthalene-d8	10.39	136	126255	5.00	ng	0.00
12) Acenaphthene-d10	14.24	164	77792	5.00	ng	0.00
18) Phenanthrene-d10	16.98	188	187858	5.00	ng	0.00
25) Chrysene-d12	21.14	240	203133	5.00	ng	0.00
32) Perylene-d12	23.47	264	180033	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.27	112	49393	10.58	ng	0.00
5) Phenol-d6	6.81	99	84493	11.81	ng	0.00
7) Nitrobenzene-d5	8.77	82	61416	6.53	ng	0.00
13) 2,4,6-Tribromophenol	15.74	330	9695	7.10	ng	0.00
14) 2-Fluorobiphenyl	12.87	172	153061	6.75	ng	0.00
27) Terphenyl-d14	19.60	244	239769	6.84	ng	0.00

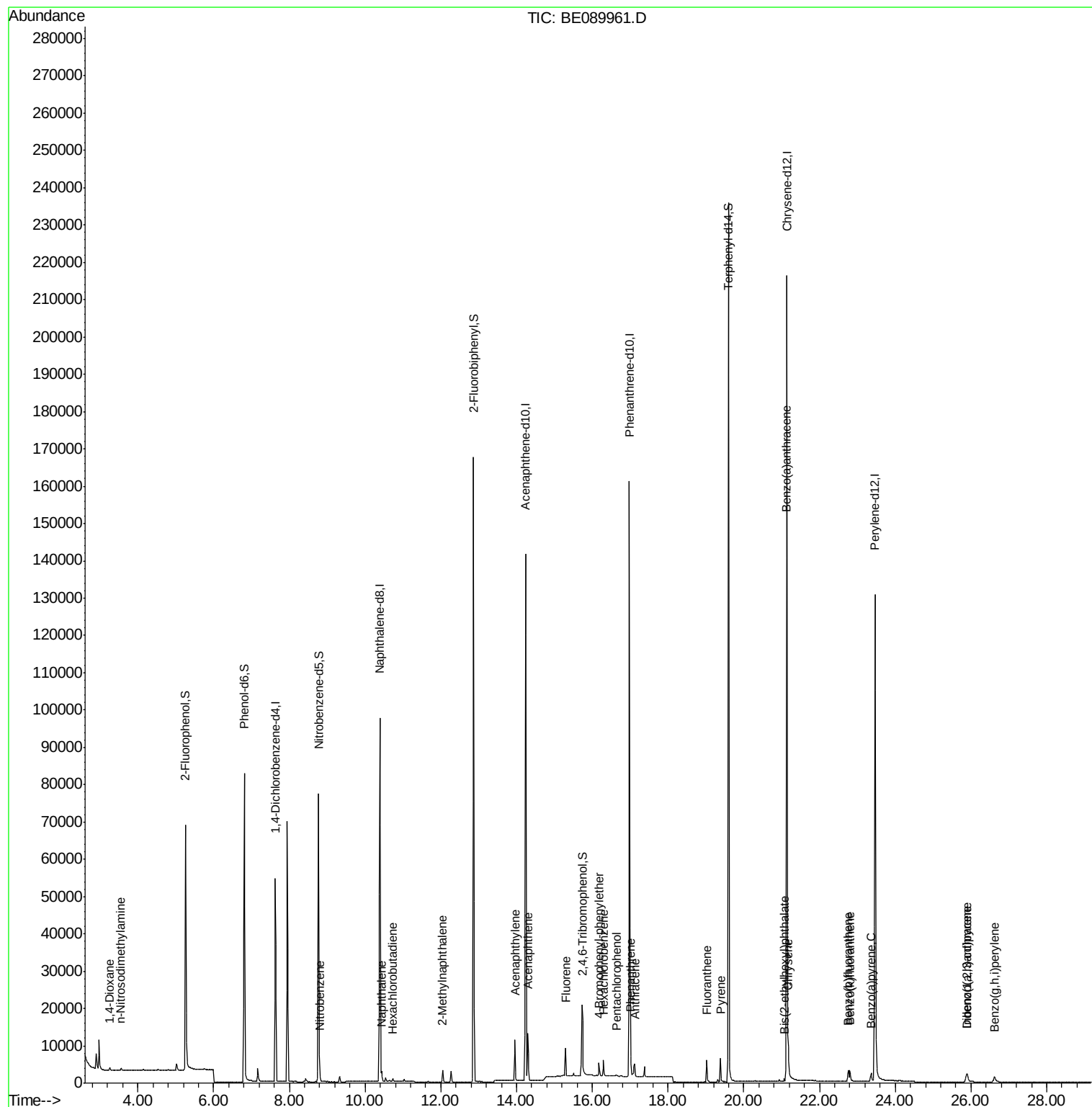
Target Compounds						Qvalue
2) 1,4-Dioxane	3.26	88	377	0.10	ng	# 95
3) n-Nitrosodimethylamine	3.55	42	482	0.10	ng	# 92
8) Nitrobenzene	8.81	77	1192	0.12	ng	98
9) Naphthalene	10.44	128	3245	0.12	ng	95
10) Hexachlorobutadiene	10.74	225	506	0.11	ng	99
11) 2-Methylnaphthalene	12.05	142	2155	0.11	ng	97
15) Acenaphthylene	13.95	152	14136	0.10	ng	100
16) Acenaphthene	14.30	154	2209	0.11	ng	97
17) Fluorene	15.29	166	2965	0.11	ng	95
19) 4-Bromophenyl-phenylether	16.18	248	851	0.11	ng	97
20) Hexachlorobenzene	16.30	284	3820	0.11	ng	97
21) Pentachlorophenol	16.65	266	176	0.53	ng	89
22) Phenanthrene	17.01	178	5451	0.12	ng	98
23) Anthracene	17.12	178	4558	0.10	ng	98
24) Fluoranthene	19.02	202	5285	0.10	ng	100
26) Pyrene	19.38	202	5771	0.11	ng	99
28) Benzo(a)anthracene	21.12	228	5858	0.12	ng	97
29) Chrysene	21.17	228	5735	0.11	ng	99
30) Bis(2-ethylhexyl)phthalate	21.07	149	622	0.15	ng	# 99
31) Indeno(1,2,3-cd)pyrene	25.88	276	3761	0.10	ng	# 100
33) Benzo(b)fluoranthene	22.76	252	3999	0.11	ng	# 93
34) Benzo(k)fluoranthene	22.80	252	4374	0.10	ng	# 94
35) Benzo(a)pyrene	23.36	252	3442	0.10	ng	# 92
36) Dibenzo(a,h)anthracene	25.90	278	2843	0.09	ng	# 90
37) Benzo(g,h,i)perylene	26.62	276	3395	0.10	ng	92

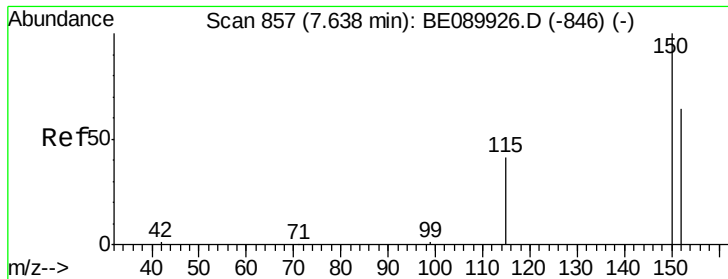
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE089961.D

Acq: 27 Jun 2015 3:59

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2015-02

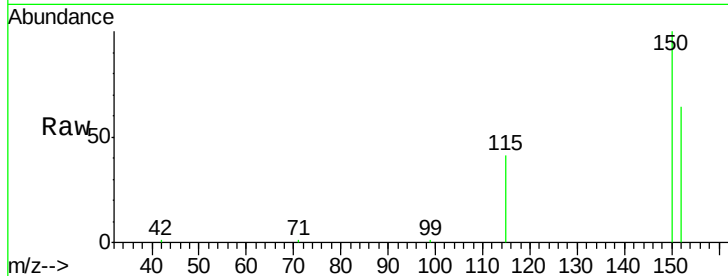
Tgt Ion:152 Resp: 25859

Ion Ratio Lower Upper

152 100

150 156.1 124.6 186.8

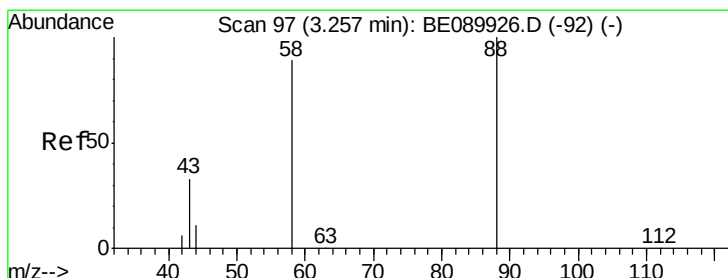
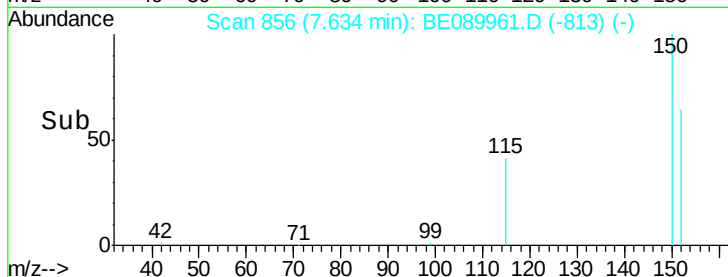
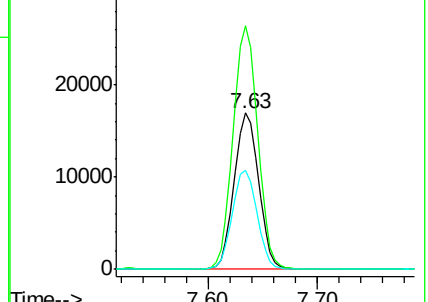
115 63.8 51.6 77.4



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: 0.10 ng

RT: 3.26 min Scan# 97

Delta R.T. 0.00 min

Lab File: BE089961.D

Acq: 27 Jun 2015 3:59

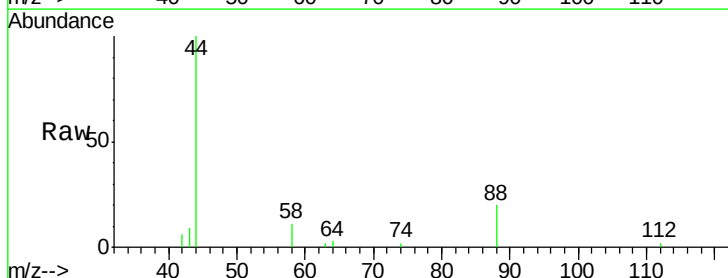
Tgt Ion: 88 Resp: 377

Ion Ratio Lower Upper

88 100

58 89.7 70.8 106.2

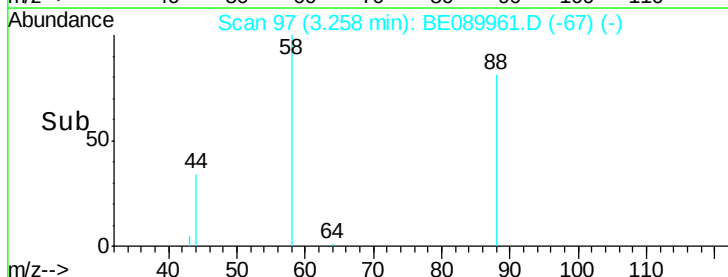
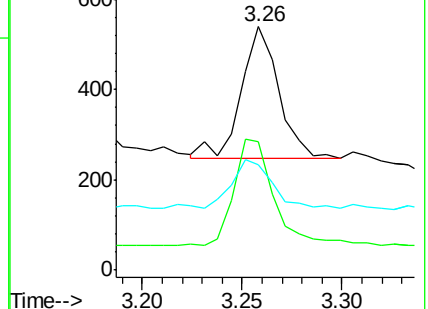
43 42.7 26.8 40.2#

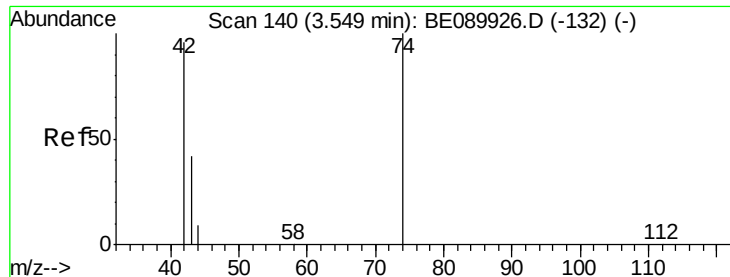


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.10 ng

RT: 3.55 min Scan# 140

Delta R.T. 0.00 min

Lab File: BE089961.D

Acq: 27 Jun 2015 3:59

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2015-02

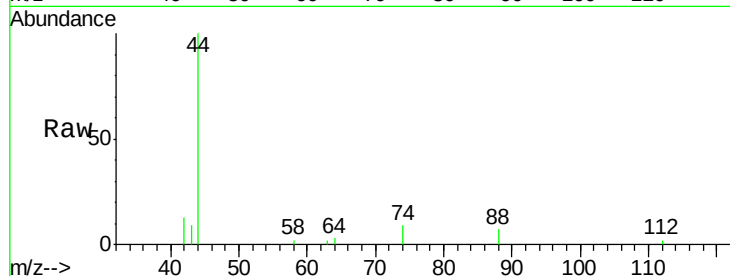
Tgt Ion: 42 Resp: 482

Ion Ratio Lower Upper

42 100

74 101.0 85.4 128.2

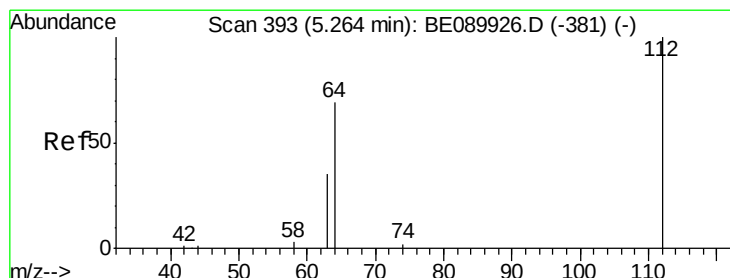
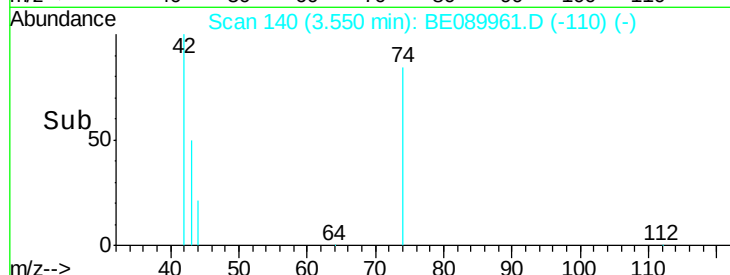
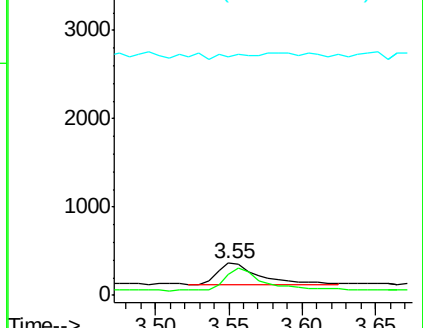
44 21.8 8.4 12.6#



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: 10.58 ng

RT: 5.27 min Scan# 393

Delta R.T. 0.00 min

Lab File: BE089961.D

Acq: 27 Jun 2015 3:59

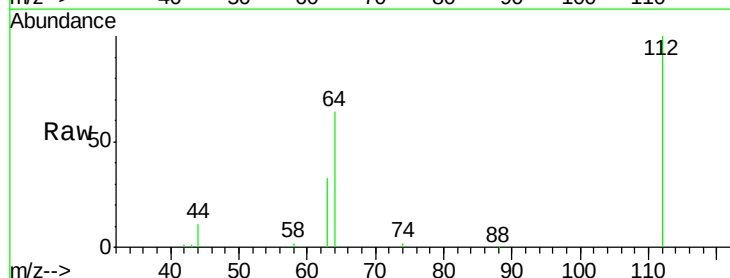
Tgt Ion: 112 Resp: 49393

Ion Ratio Lower Upper

112 100

64 72.4 57.4 86.2

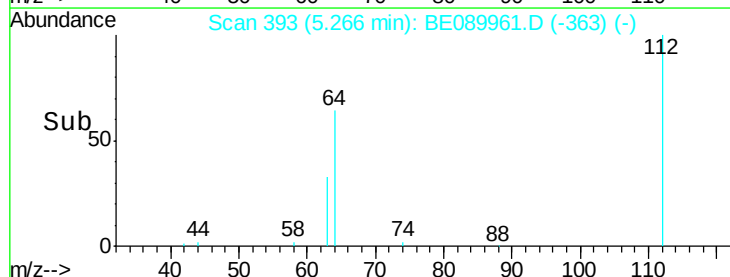
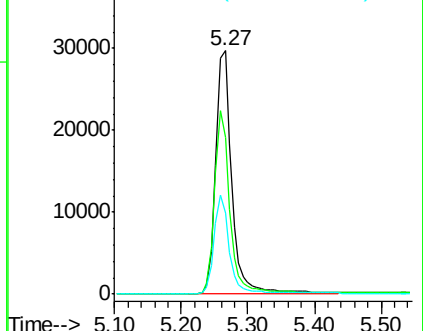
63 38.9 31.2 46.8

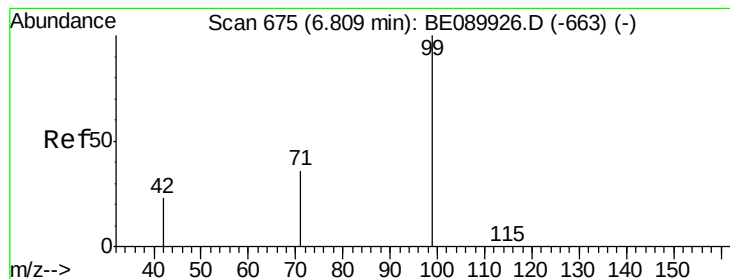


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 11.81 ng

RT: 6.81 min Scan# 675

Delta R.T. 0.00 min

Lab File: BE089961.D

Acq: 27 Jun 2015 3:59

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2015-02

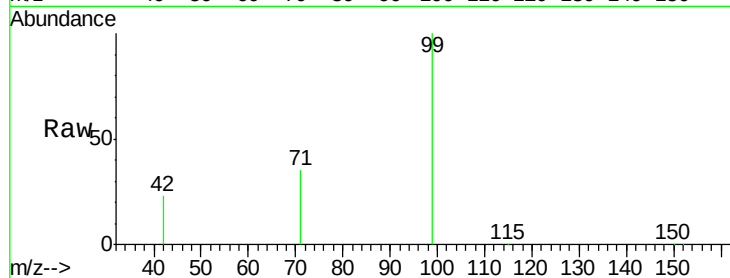
Tgt Ion: 99 Resp: 84493

Ion Ratio Lower Upper

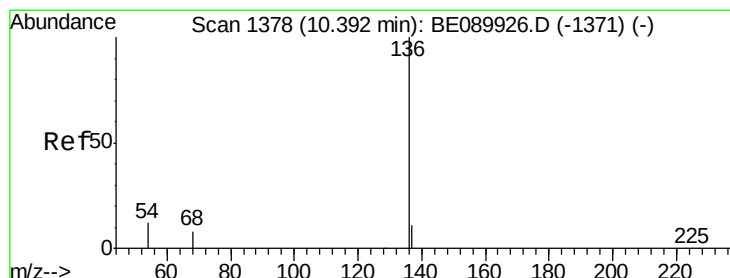
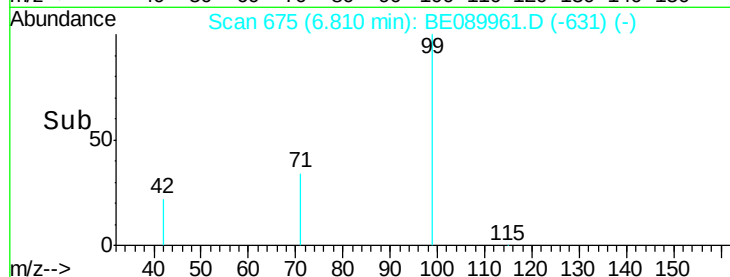
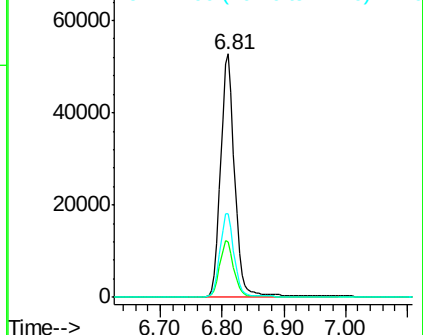
99 100

42 23.1 19.5 29.3

71 35.1 27.8 41.6



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

Naphthalene-d8

Concen: 5.00 ng

RT: 10.39 min Scan# 1378

Delta R.T. -0.00 min

Lab File: BE089961.D

Acq: 27 Jun 2015 3:59

Tgt Ion: 136 Resp: 126255

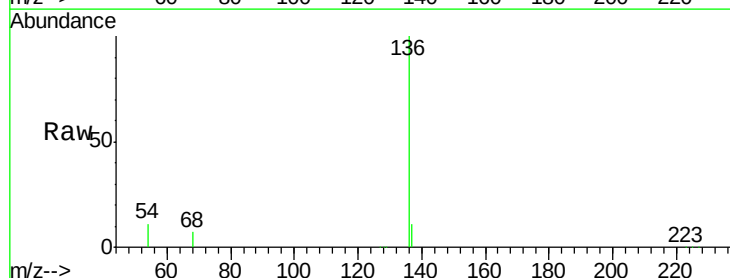
Ion Ratio Lower Upper

136 100

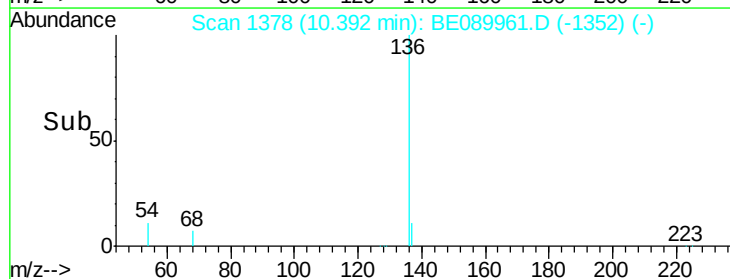
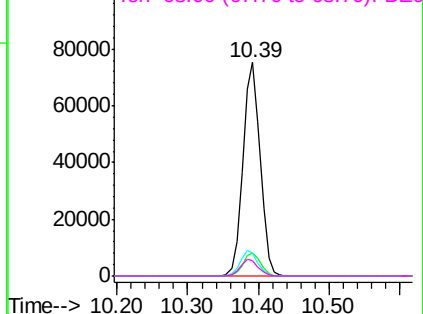
137 11.0 8.7 13.1

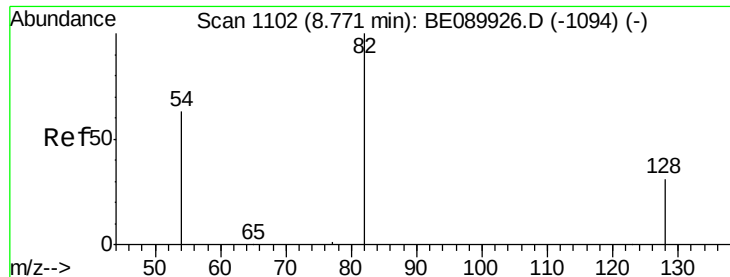
54 11.0 9.7 14.5

68 7.4 6.5 9.7



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





#7

Nitrobenzene-d5

Concen: 6.53 ng

RT: 8.77 min Scan# 1102

Delta R.T. -0.00 min

Lab File: BE089961.D

Acq: 27 Jun 2015 3:59

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2015-02

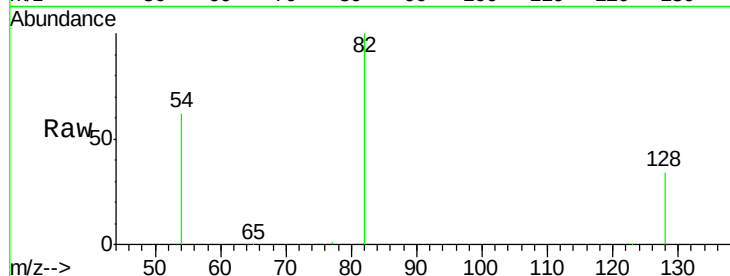
Tgt Ion: 82 Resp: 61416

Ion Ratio Lower Upper

82 100

128 33.8 25.6 38.4

54 61.6 51.2 76.8

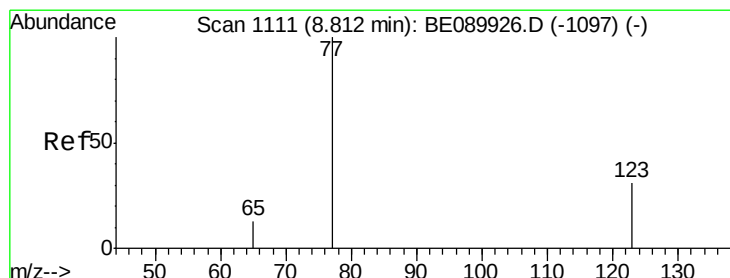
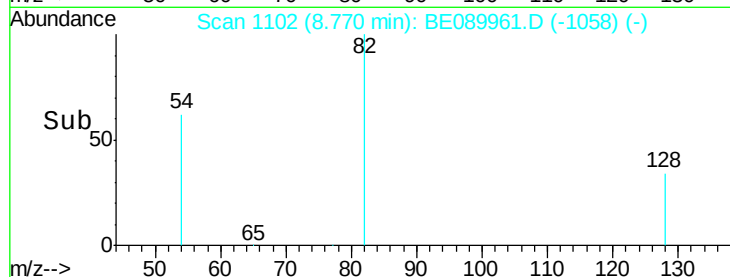


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0

Time-->



#8

Nitrobenzene

Concen: 0.12 ng

RT: 8.81 min Scan# 1111

Delta R.T. -0.00 min

Lab File: BE089961.D

Acq: 27 Jun 2015 3:59

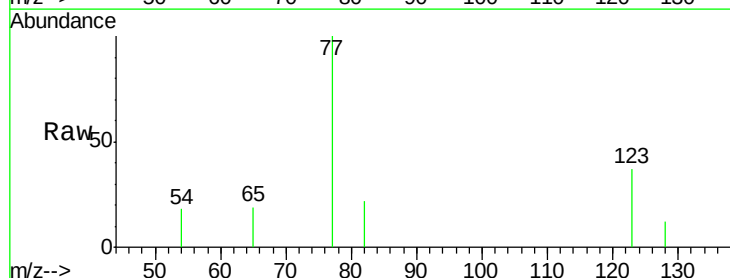
Tgt Ion: 77 Resp: 1192

Ion Ratio Lower Upper

77 100

123 34.1 26.6 39.8

65 13.7 10.2 15.4

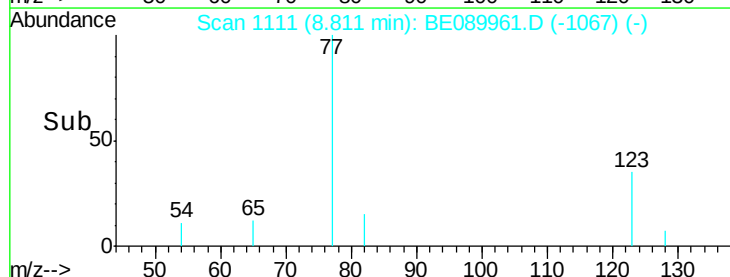


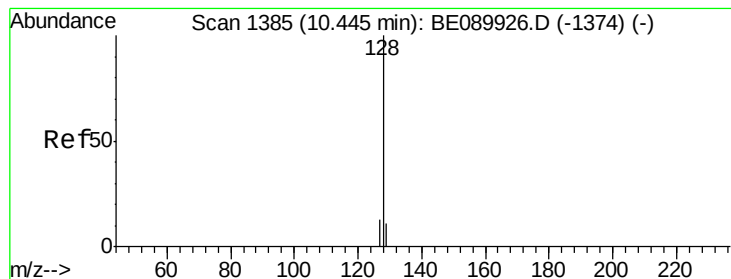
Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

Time-->





#9

Naphthalene

Concen: 0.12 ng

RT: 10.44 min Scan# 1384

Delta R.T. -0.01 min

Lab File: BE089961.D

Acq: 27 Jun 2015 3:59

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2015-02

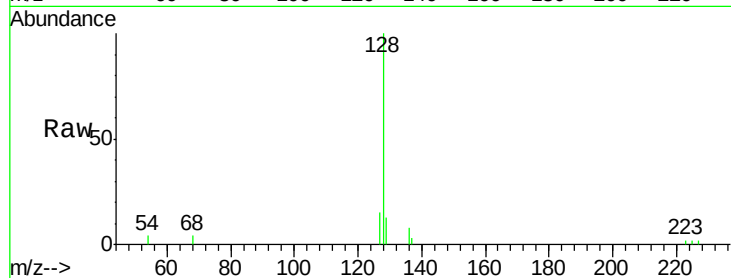
Tgt Ion:128 Resp: 3245

Ion Ratio Lower Upper

128 100

129 12.9 8.9 13.3

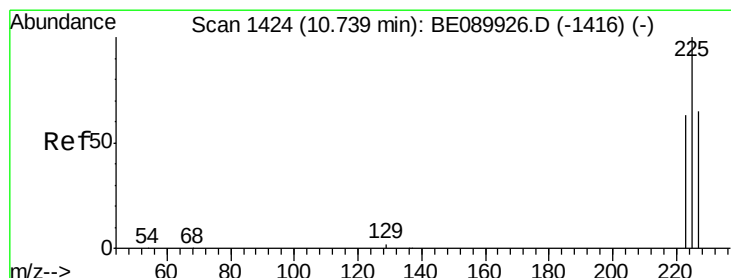
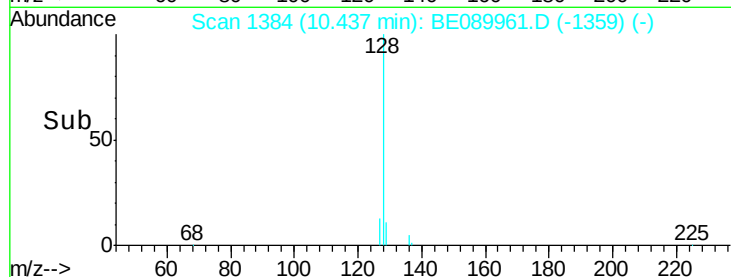
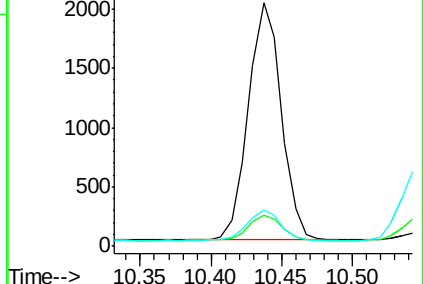
127 15.0 10.2 15.4



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: 0.11 ng

RT: 10.74 min Scan# 1424

Delta R.T. -0.00 min

Lab File: BE089961.D

Acq: 27 Jun 2015 3:59

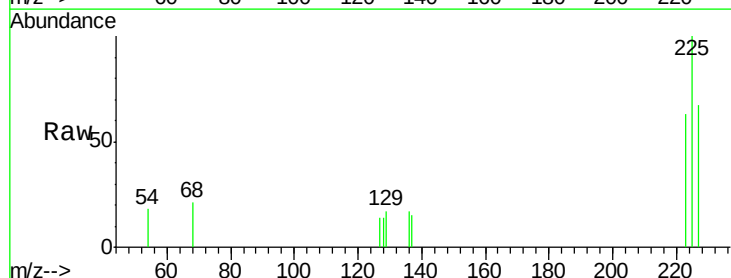
Tgt Ion:225 Resp: 506

Ion Ratio Lower Upper

225 100

223 62.1 50.0 75.0

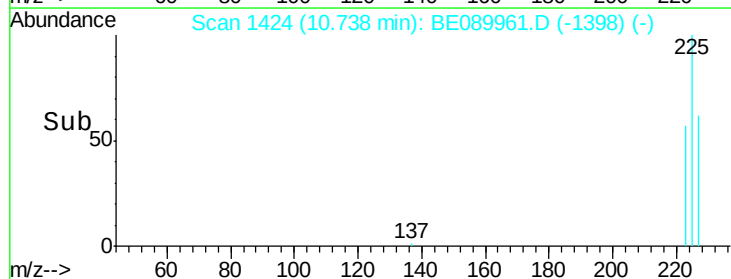
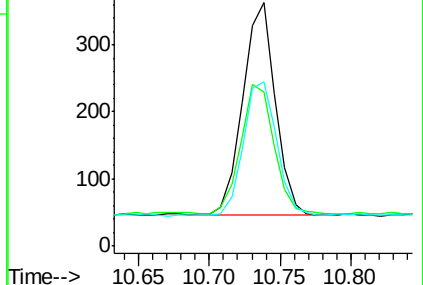
227 63.8 50.7 76.1

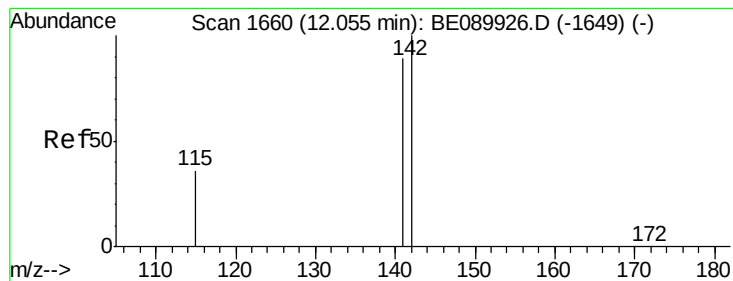


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene

Concen: 0.11 ng

RT: 12.05 min Scan# 1659

Delta R.T. -0.00 min

Lab File: BE089961.D

Acq: 27 Jun 2015 3:59

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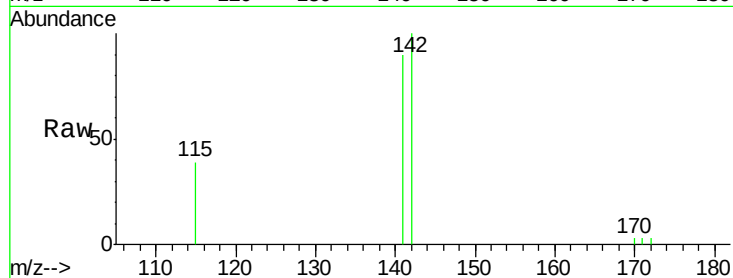
Tgt Ion:142 Resp: 2155

Ion Ratio Lower Upper

142 100

141 90.4 71.1 106.7

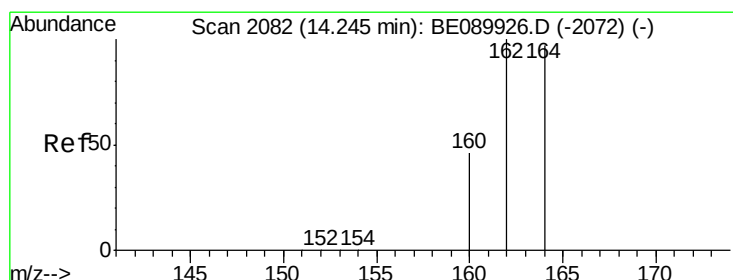
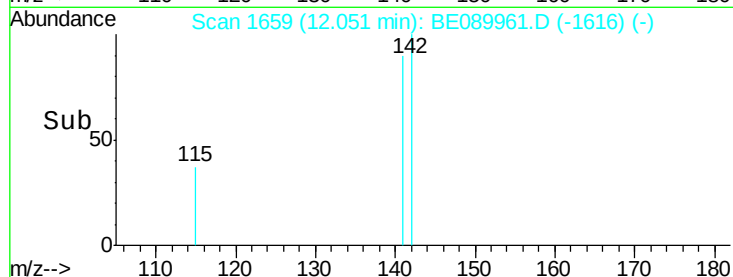
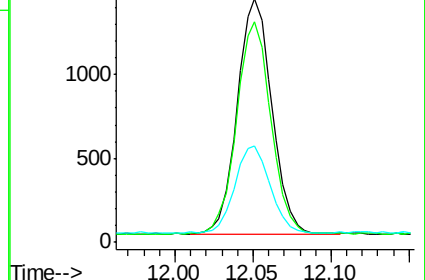
115 39.4 29.1 43.7



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



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.24 min Scan# 2081

Delta R.T. -0.01 min

Lab File: BE089961.D

Acq: 27 Jun 2015 3:59

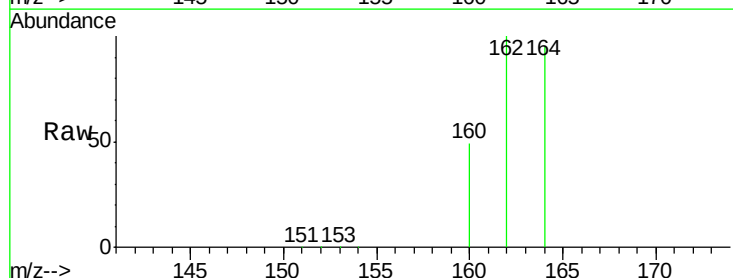
Tgt Ion:164 Resp: 77792

Ion Ratio Lower Upper

164 100

162 105.3 82.7 124.1

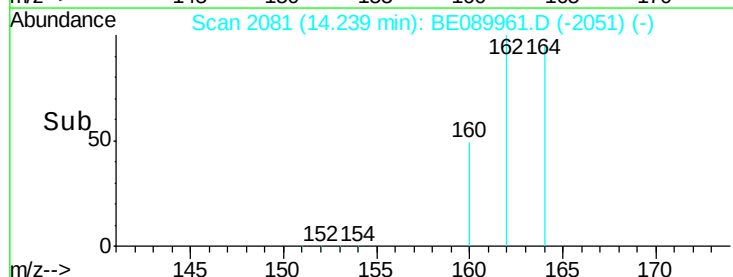
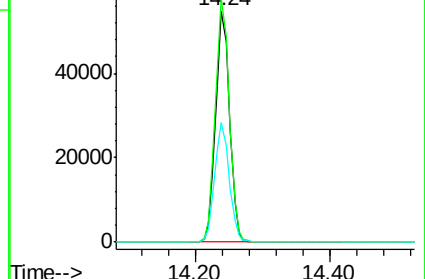
160 51.9 38.3 57.5

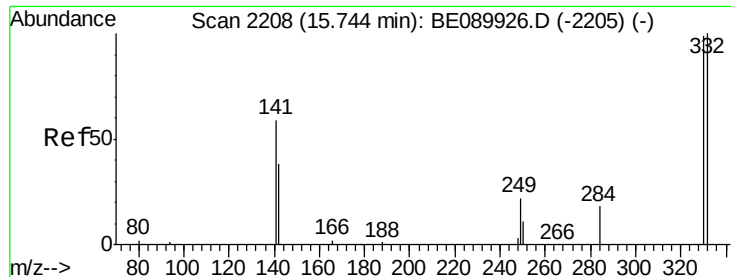


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

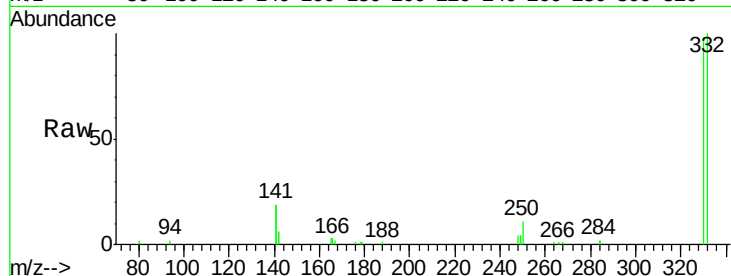




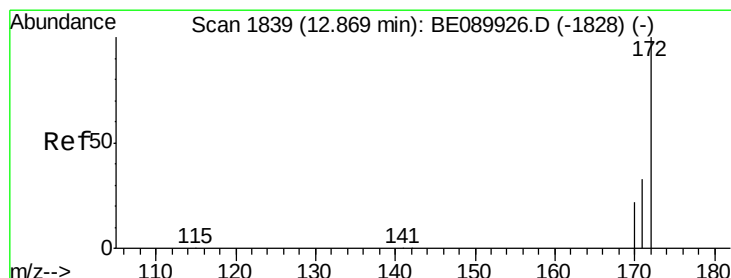
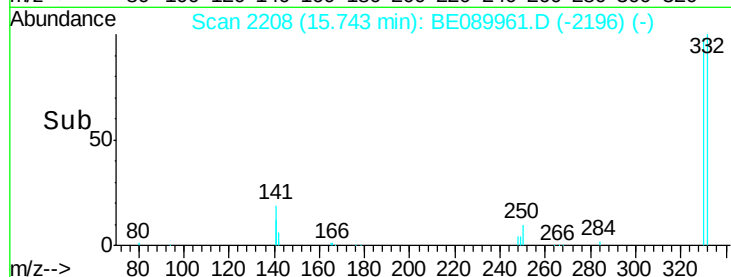
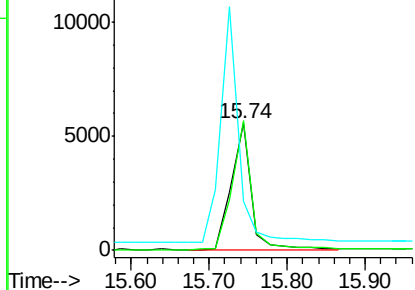
#13
 2,4,6-Tribromophenol
 Concen: 7.10 ng
 RT: 15.74 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: BE089961.D
 Acq: 27 Jun 2015 3:59

Instrument :
 BNA_E
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion:330 Resp: 9695
 Ion Ratio Lower Upper
 330 100
 332 98.6 77.9 116.9
 141 172.4 142.8 214.2

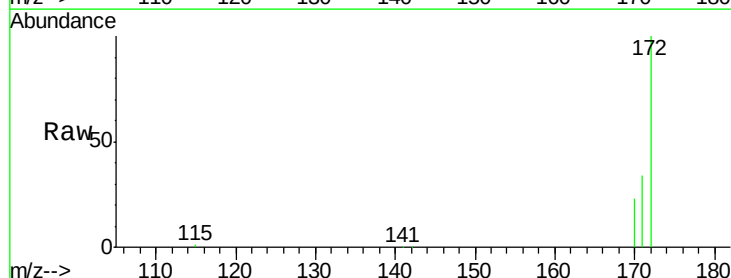


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

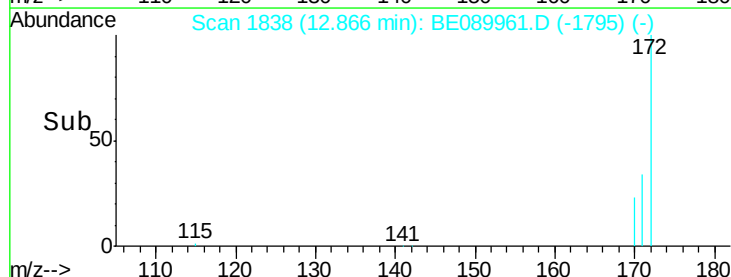
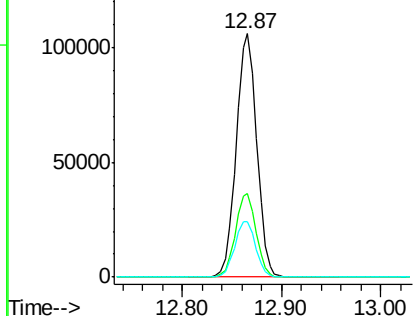


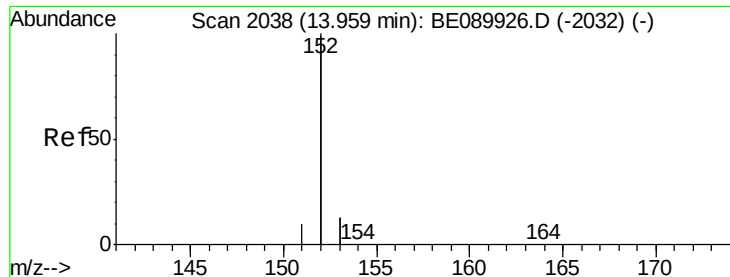
#14
 2-Fluorobiphenyl
 Concen: 6.75 ng
 RT: 12.87 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: BE089961.D
 Acq: 27 Jun 2015 3:59

Tgt Ion:172 Resp: 153061
 Ion Ratio Lower Upper
 172 100
 171 34.2 26.7 40.1
 170 23.0 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





#15

Acenaphthylene

Concen: 0.10 ng

RT: 13.95 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BE089961.D

Acq: 27 Jun 2015 3:59

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2015-02

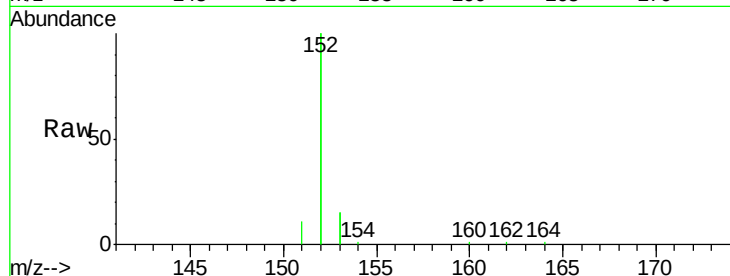
Tgt Ion:152 Resp: 14136

Ion Ratio Lower Upper

152 100

151 4.9 3.9 5.9

153 13.1 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

12000

10000

8000

6000

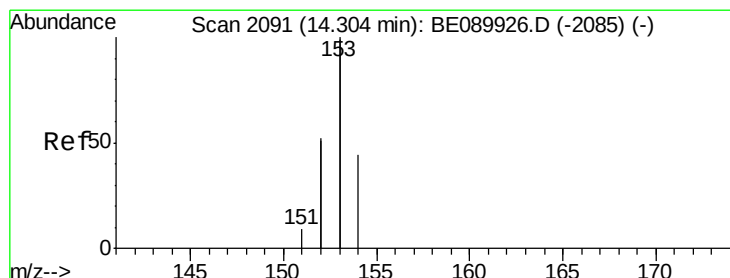
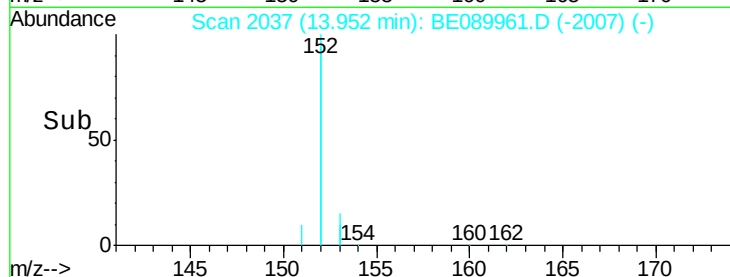
4000

2000

0

13.90 13.95 14.00

Time-->



#16

Acenaphthene

Concen: 0.11 ng

RT: 14.30 min Scan# 2091

Delta R.T. 0.00 min

Lab File: BE089961.D

Acq: 27 Jun 2015 3:59

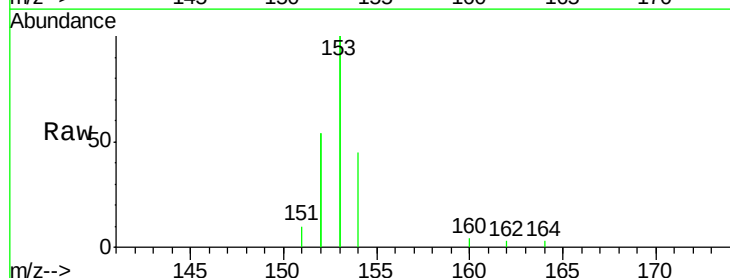
Tgt Ion:154 Resp: 2209

Ion Ratio Lower Upper

154 100

153 454.2 362.8 544.2

152 258.6 194.6 291.8



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

8000

6000

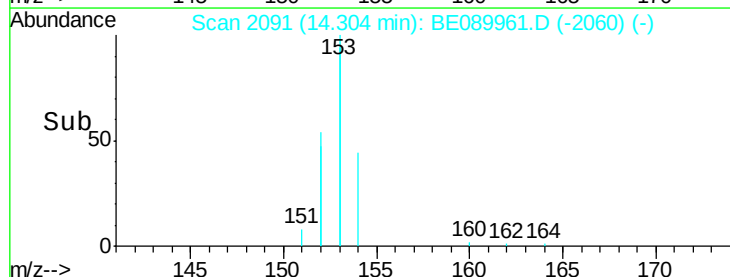
4000

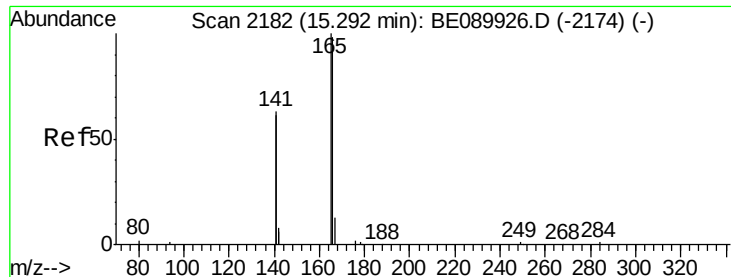
2000

0

14.30

Time-->

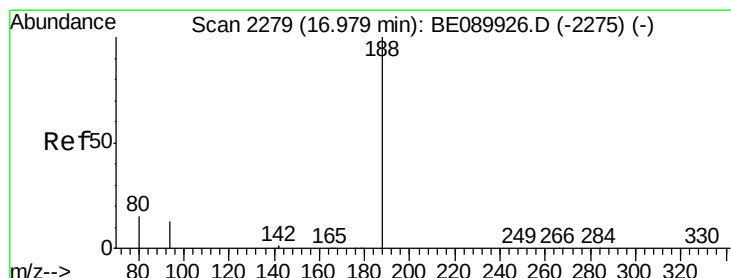
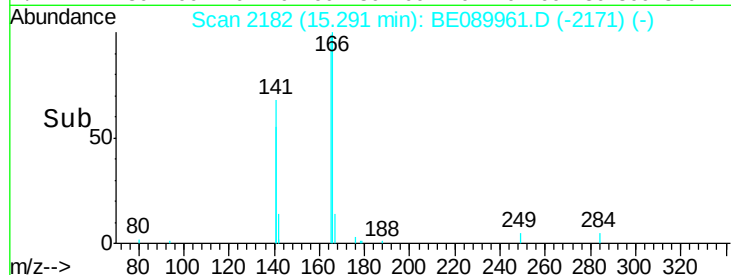
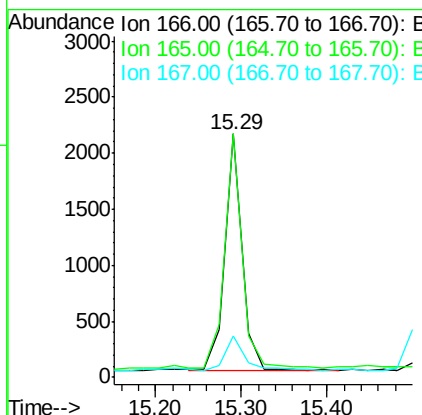
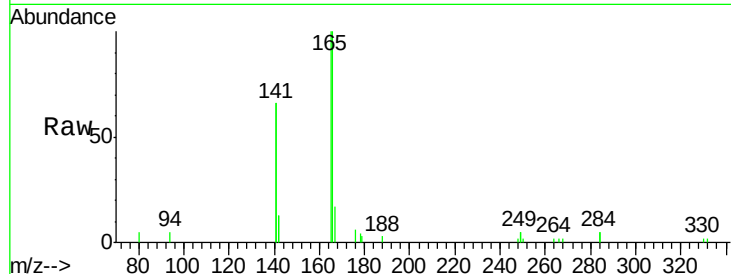




#17
Fluorene
 Concen: 0.11 ng
 RT: 15.29 min Scan# 2182
 Delta R.T. -0.00 min
 Lab File: BE089961.D
 Acq: 27 Jun 2015 3:59

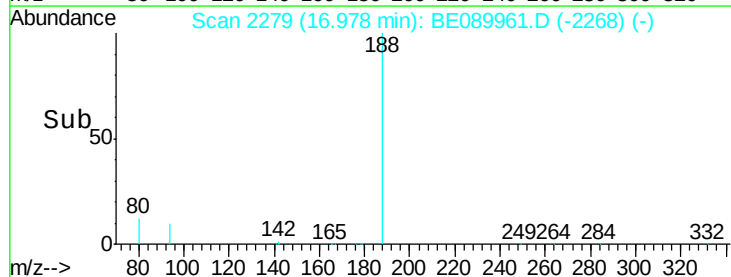
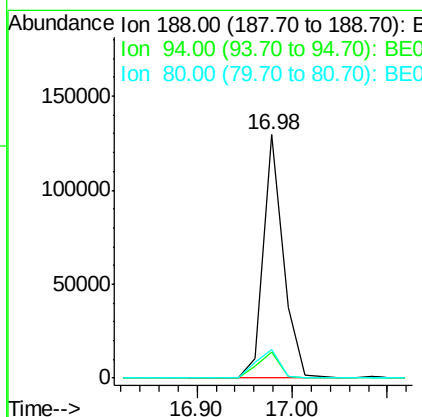
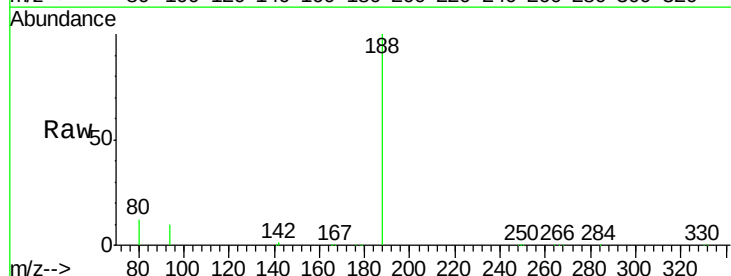
Instrument :
 BNA_E
 ClientSampleId :
 LOQ-SOIL2015-02

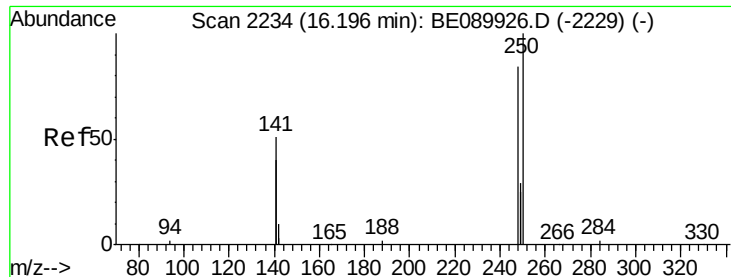
Tgt Ion:166 Resp: 2965
 Ion Ratio Lower Upper
 166 100
 165 106.4 81.1 121.7
 167 17.1 11.8 17.8



#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 16.98 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: BE089961.D
 Acq: 27 Jun 2015 3:59

Tgt Ion:188 Resp: 187858
 Ion Ratio Lower Upper
 188 100
 94 10.4 10.6 16.0#
 80 11.6 11.8 17.6#

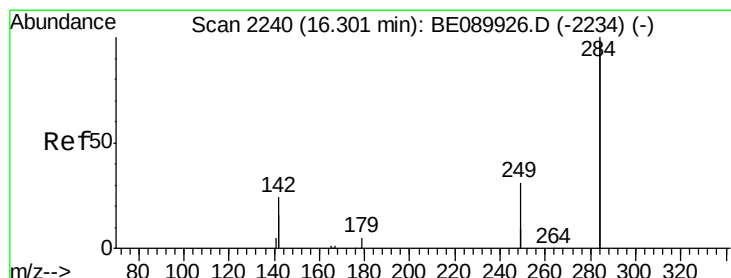
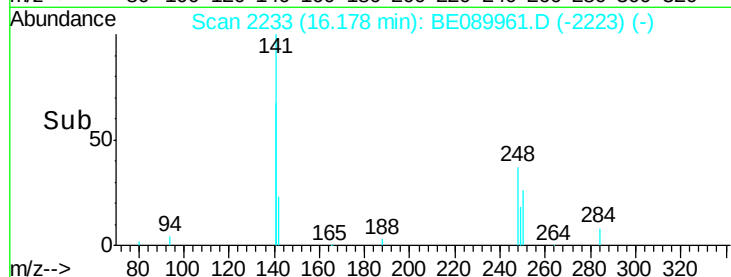
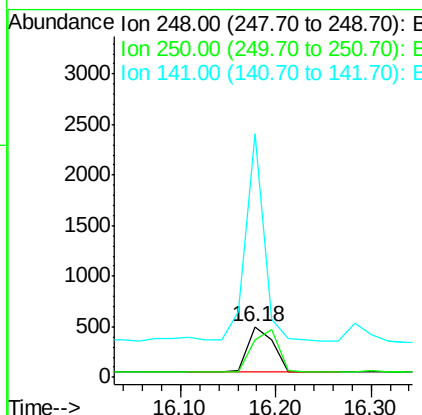
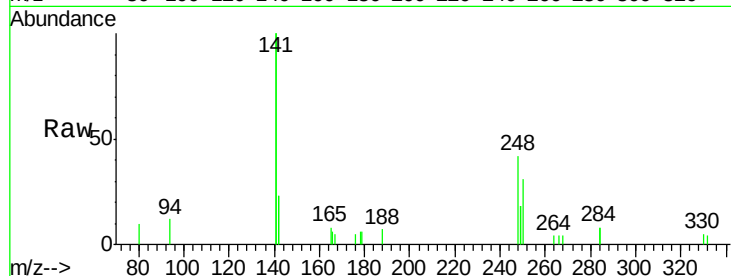




#19
4-Bromophenyl-phenylether
Concen: 0.11 ng
RT: 16.18 min Scan# 2233
Delta R.T. -0.02 min
Lab File: BE089961.D
Acq: 27 Jun 2015 3:59

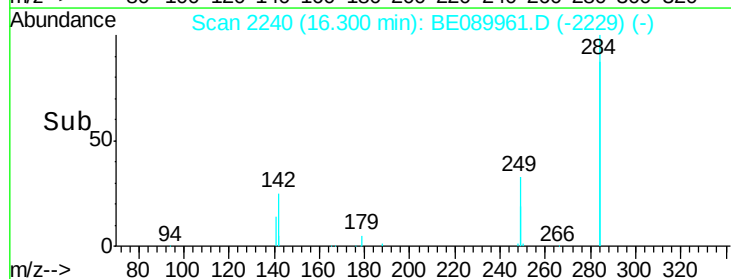
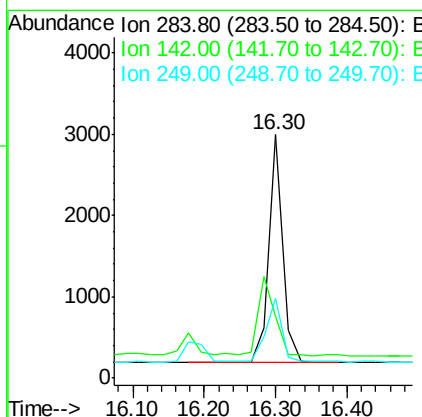
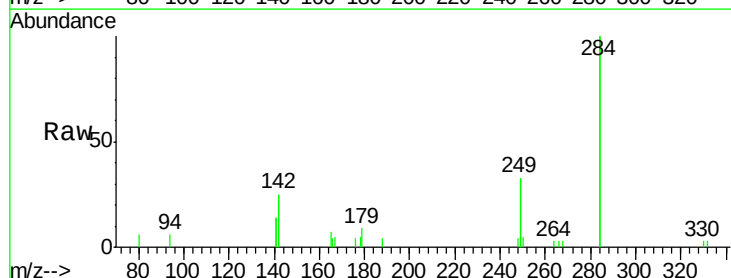
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2015-02

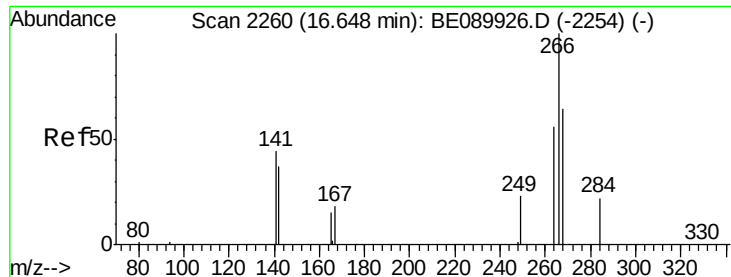
Tgt Ion:248 Resp: 851
Ion Ratio Lower Upper
248 100
250 94.7 79.3 118.9
141 337.0 274.1 411.1



#20
Hexachlorobenzene
Concen: 0.11 ng
RT: 16.30 min Scan# 2240
Delta R.T. -0.00 min
Lab File: BE089961.D
Acq: 27 Jun 2015 3:59

Tgt Ion:284 Resp: 3820
Ion Ratio Lower Upper
284 100
142 42.8 32.0 48.0
249 31.6 25.0 37.6

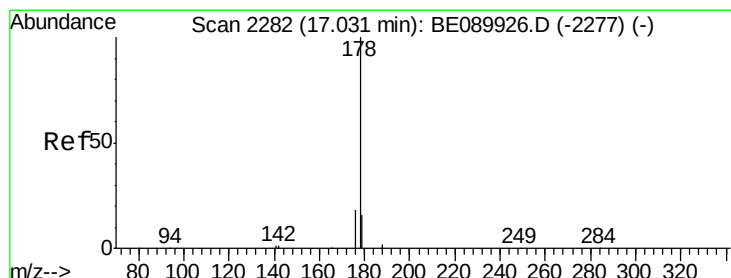
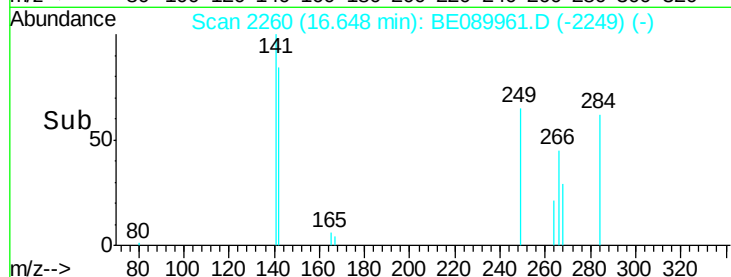
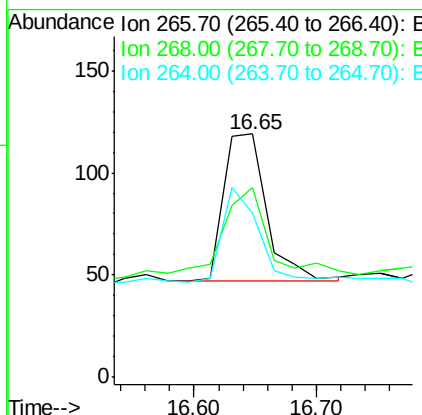
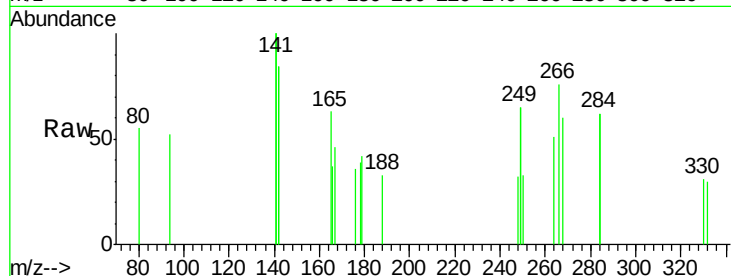




#21
 Pentachlorophenol
 Concen: 0.53 ng
 RT: 16.65 min Scan# 2260
 Delta R.T. -0.00 min
 Lab File: BE089961.D
 Acq: 27 Jun 2015 3:59

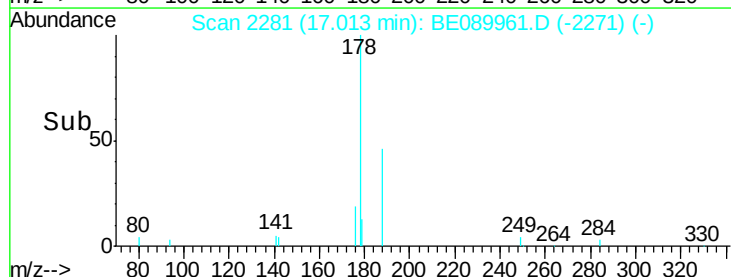
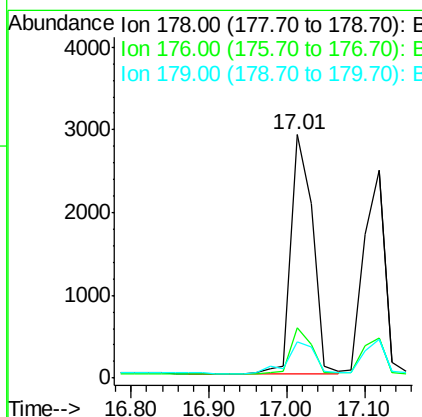
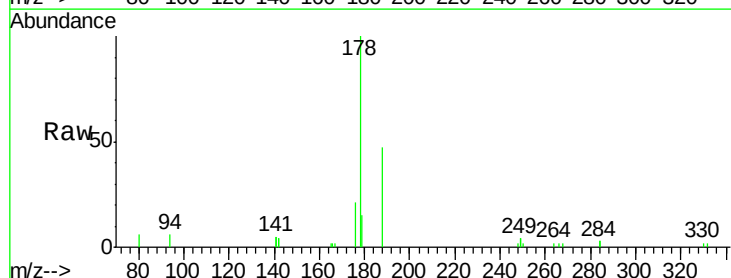
Instrument :
 BNA_E
 ClientSampleId :
 LOQ-SOIL2015-02

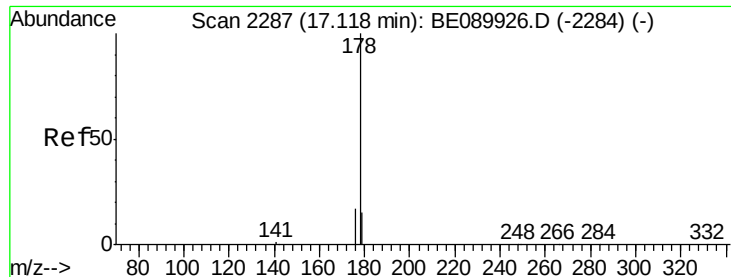
Tgt Ion: 266 Resp: 176
 Ion Ratio Lower Upper
 266 100
 268 78.2 54.4 81.6
 264 67.2 48.2 72.2



#22
 Phenanthrene
 Concen: 0.12 ng
 RT: 17.01 min Scan# 2281
 Delta R.T. -0.02 min
 Lab File: BE089961.D
 Acq: 27 Jun 2015 3:59

Tgt Ion: 178 Resp: 5451
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.4 23.2
 179 17.2 12.6 19.0





#23

Anthracene

Concen: 0.10 ng

RT: 17.12 min Scan# 2287

Delta R.T. -0.00 min

Lab File: BE089961.D

Acq: 27 Jun 2015 3:59

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2015-02

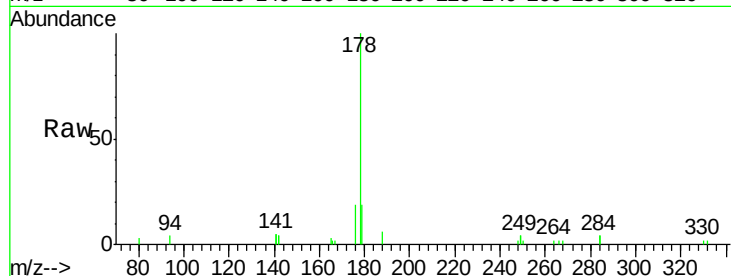
Tgt Ion:178 Resp: 4558

Ion Ratio Lower Upper

178 100

176 18.6 14.6 21.8

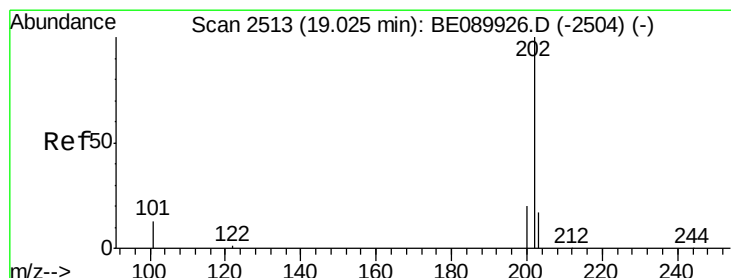
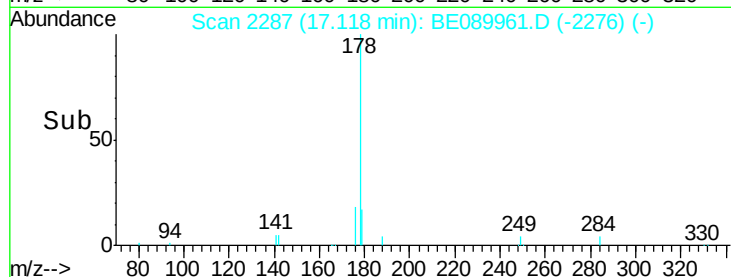
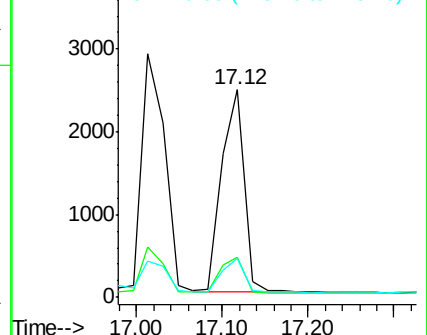
179 16.7 12.3 18.5



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: 0.10 ng

RT: 19.02 min Scan# 2512

Delta R.T. -0.01 min

Lab File: BE089961.D

Acq: 27 Jun 2015 3:59

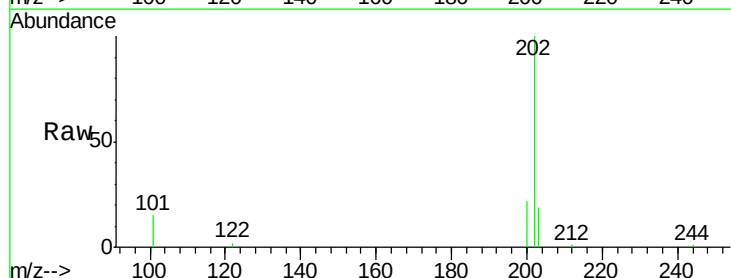
Tgt Ion:202 Resp: 5285

Ion Ratio Lower Upper

202 100

101 13.1 10.6 16.0

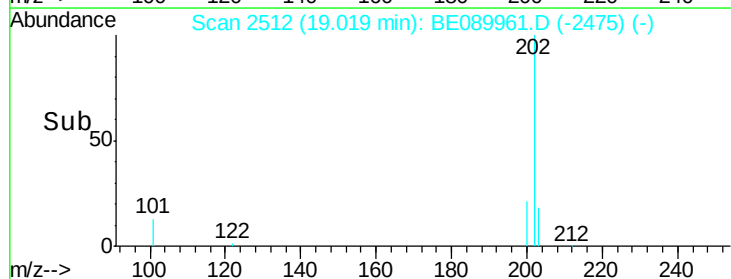
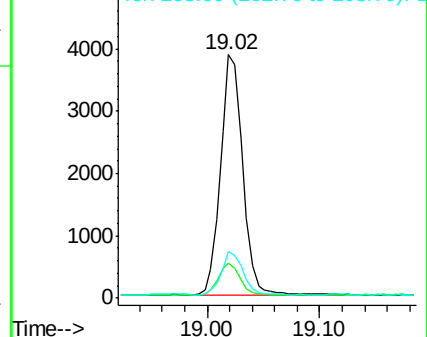
203 17.5 13.8 20.8

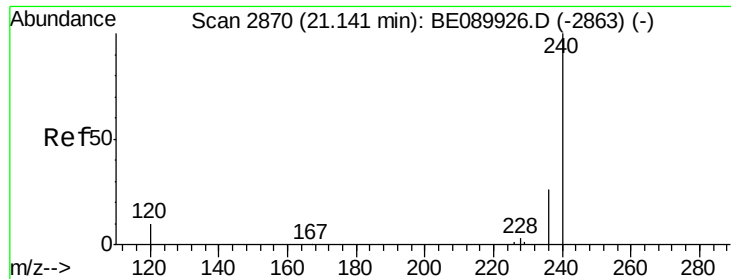


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.14 min Scan# 2870

Delta R.T. -0.01 min

Lab File: BE089961.D

Acq: 27 Jun 2015 3:59

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2015-02

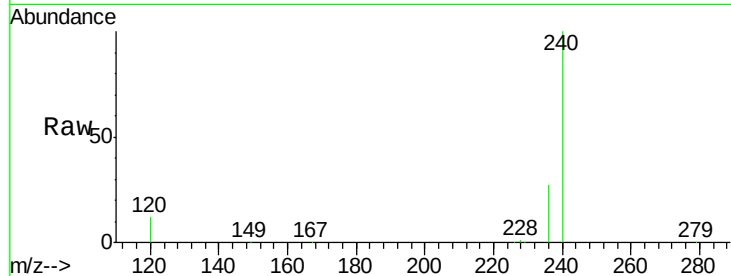
Tgt Ion:240 Resp: 203133

Ion Ratio Lower Upper

240 100

120 12.2 7.9 11.9#

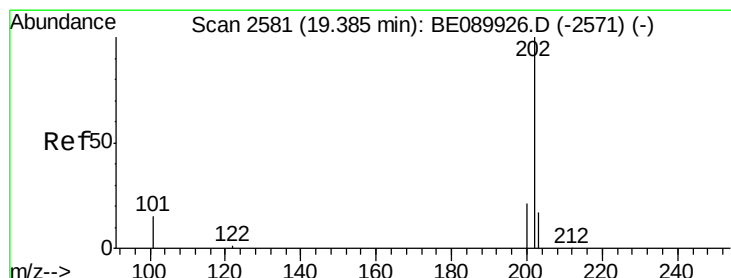
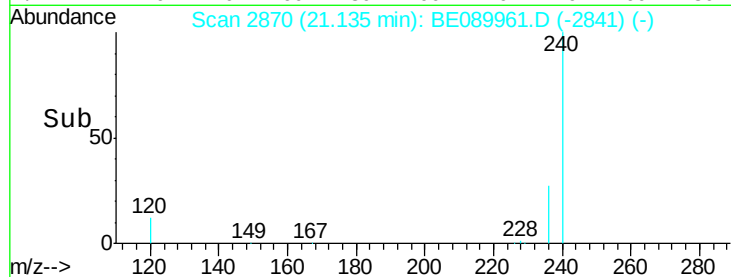
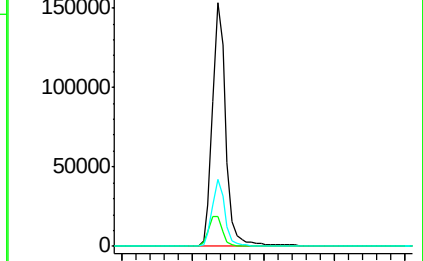
236 27.4 21.2 31.8



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: 0.11 ng

RT: 19.38 min Scan# 2581

Delta R.T. -0.00 min

Lab File: BE089961.D

Acq: 27 Jun 2015 3:59

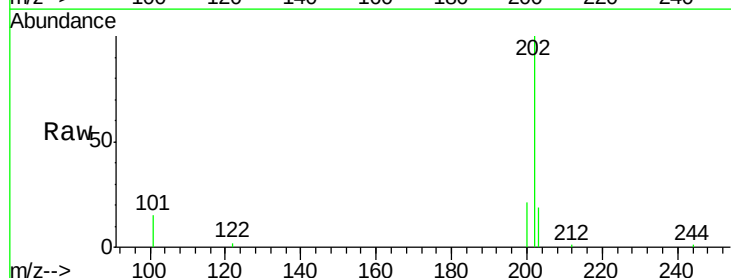
Tgt Ion:202 Resp: 5771

Ion Ratio Lower Upper

202 100

200 20.7 16.6 25.0

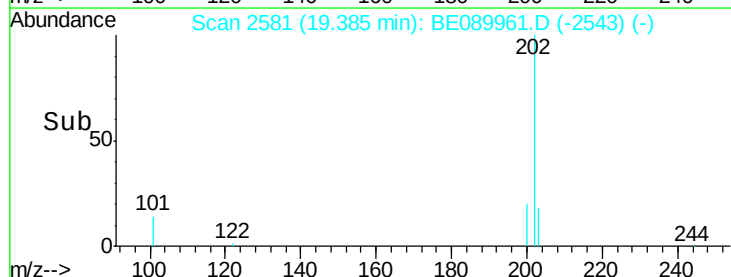
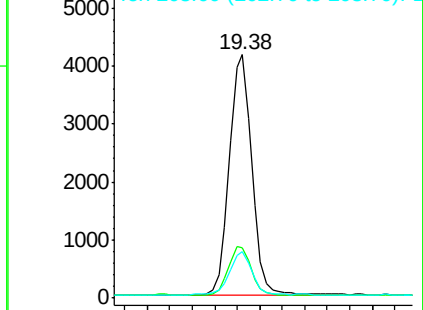
203 18.1 13.9 20.9

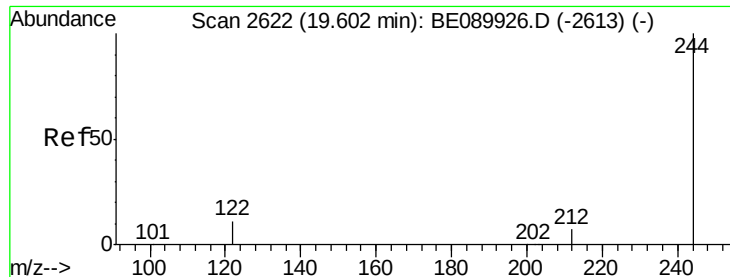


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

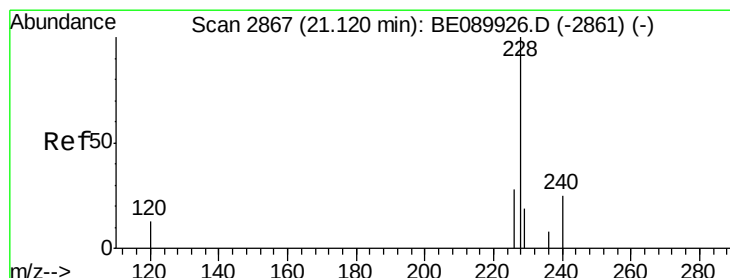
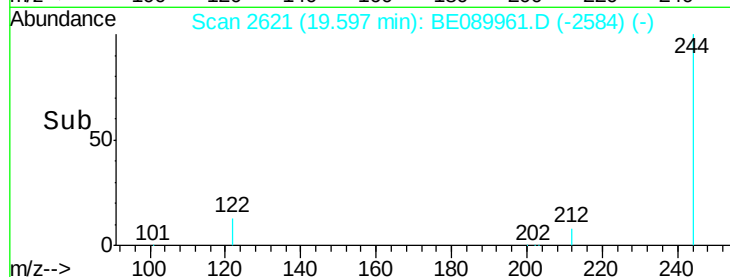
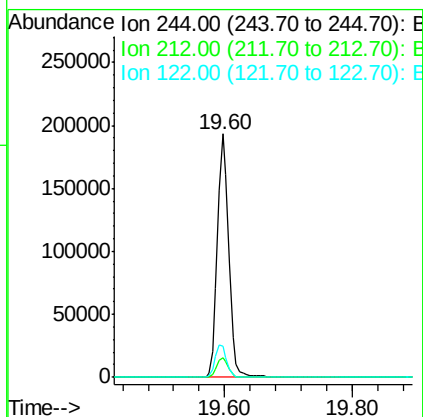
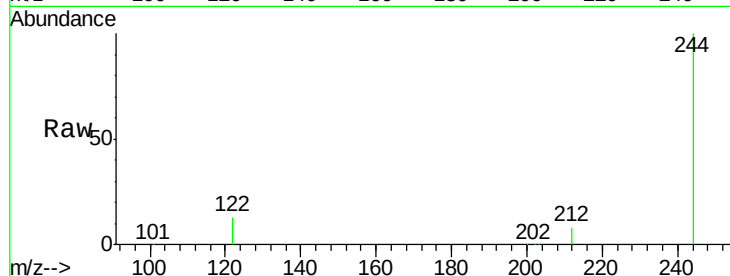




#27
 Terphenyl-d14
 Concen: 6.84 ng
 RT: 19.60 min Scan# 2621
 Delta R.T. -0.01 min
 Lab File: BE089961.D
 Acq: 27 Jun 2015 3:59

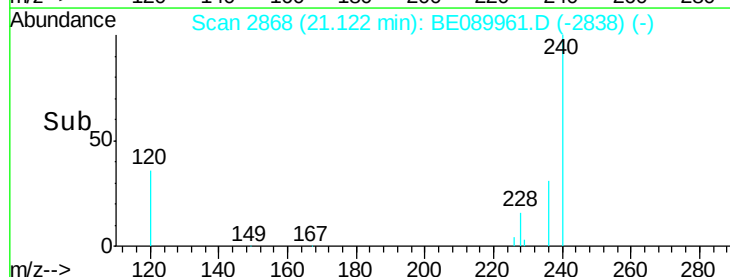
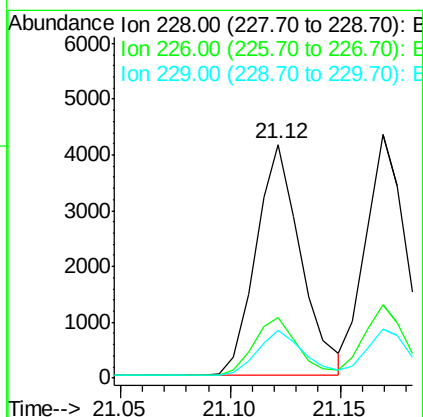
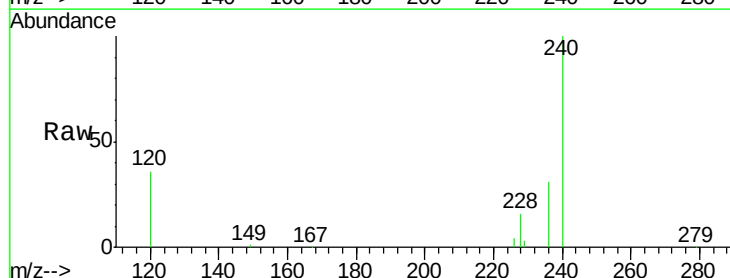
Instrument :
 BNA_E
 ClientSampleId :
 LOQ-SOIL2015-02

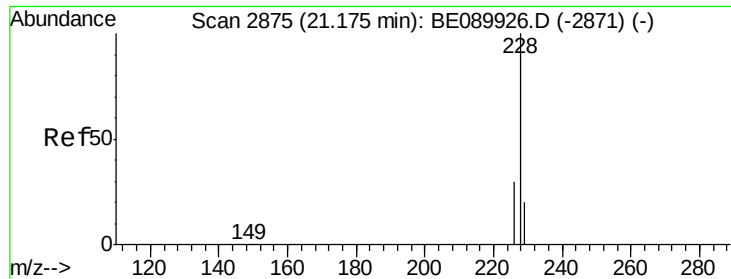
Tgt Ion:244 Resp: 239769
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.1 9.1
 122 13.0 8.7 13.1



#28
 Benzo(a)anthracene
 Concen: 0.12 ng
 RT: 21.12 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: BE089961.D
 Acq: 27 Jun 2015 3:59

Tgt Ion:228 Resp: 5858
 Ion Ratio Lower Upper
 228 100
 226 26.1 22.2 33.4
 229 20.7 15.3 22.9





#29

Chrysene

Concen: 0.11 ng

RT: 21.17 min Scan# 2875

Delta R.T. -0.01 min

Lab File: BE089961.D

Acq: 27 Jun 2015 3:59

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2015-02

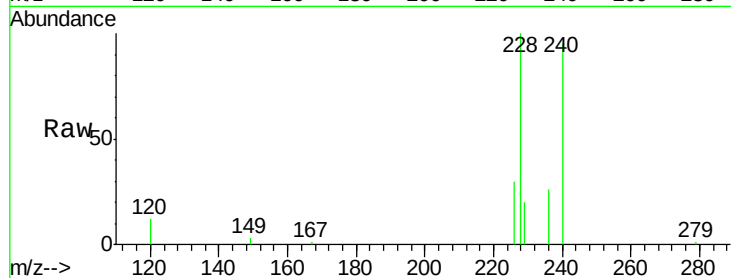
Tgt Ion:228 Resp: 5735

Ion Ratio Lower Upper

228 100

226 30.4 23.7 35.5

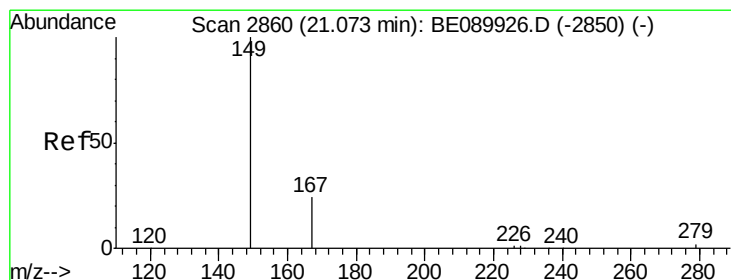
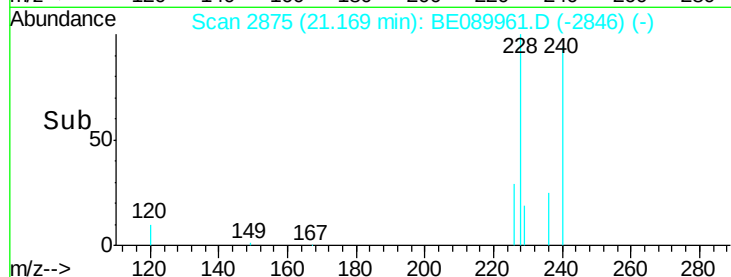
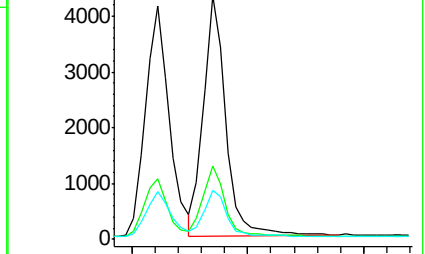
229 20.3 15.8 23.8



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: 0.15 ng

RT: 21.07 min Scan# 2860

Delta R.T. -0.00 min

Lab File: BE089961.D

Acq: 27 Jun 2015 3:59

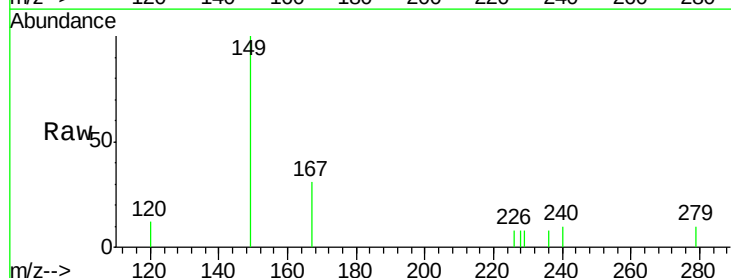
Tgt Ion:149 Resp: 622

Ion Ratio Lower Upper

149 100

167 25.6 20.3 30.5

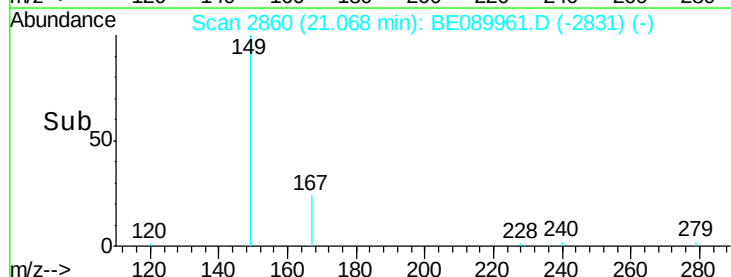
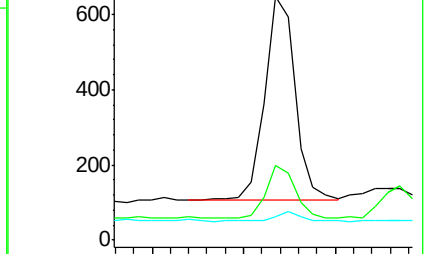
279 4.8 2.7 4.1#

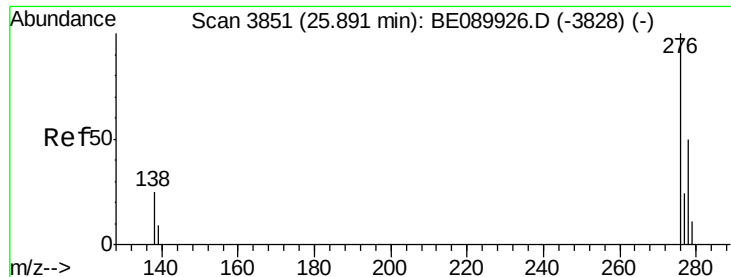


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

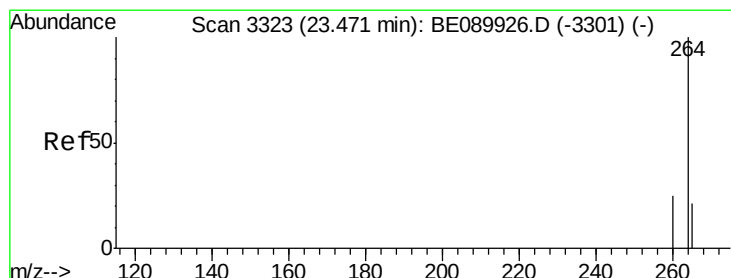
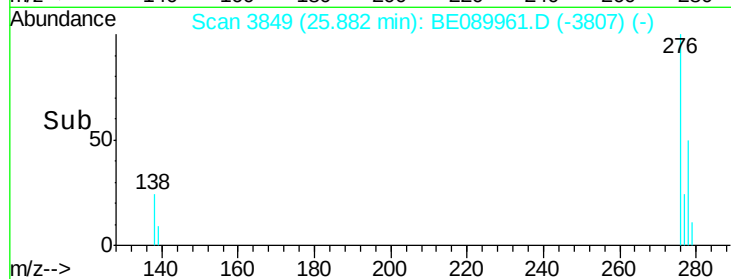
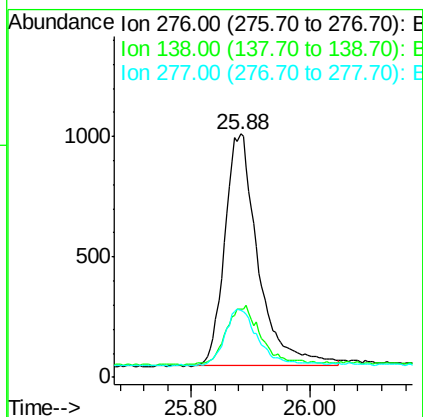
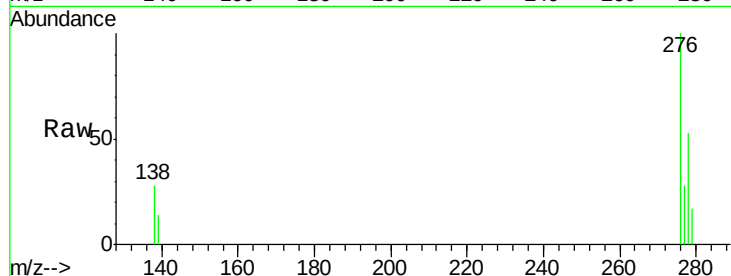




#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.10 ng
 RT: 25.88 min Scan# 3849
 Delta R.T. -0.01 min
 Lab File: BE089961.D
 Acq: 27 Jun 2015 3:59

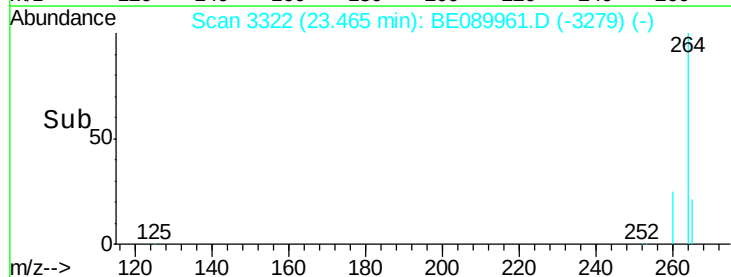
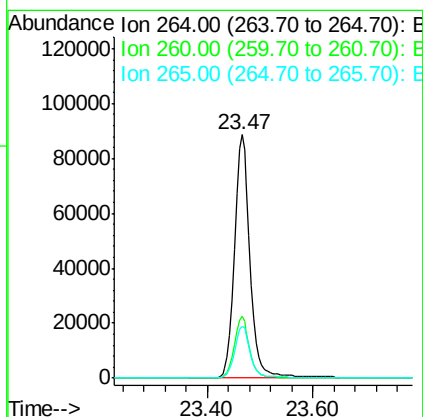
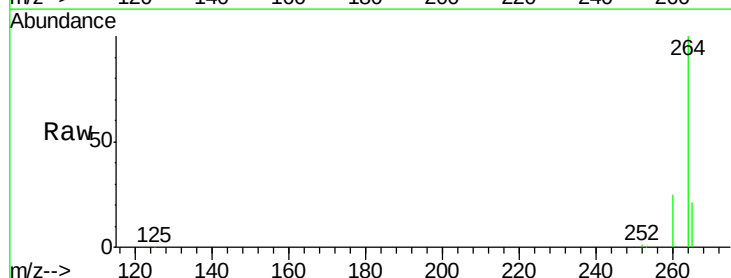
Instrument :
 BNA_E
 ClientSampleId :
 LOQ-SOIL2015-02

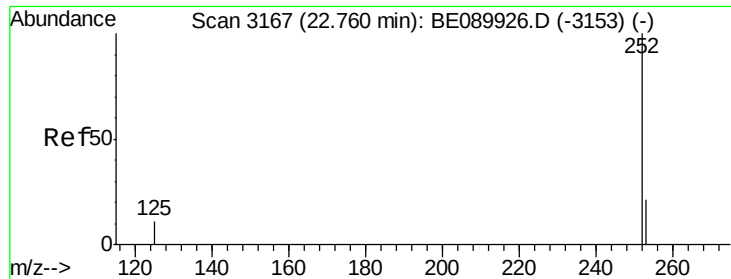
Tgt Ion: 276 Resp: 3761
 Ion Ratio Lower Upper
 276 100
 138 25.5 0.0 0.0#
 277 23.5 0.0 0.0#



#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.47 min Scan# 3322
 Delta R.T. -0.01 min
 Lab File: BE089961.D
 Acq: 27 Jun 2015 3:59

Tgt Ion: 264 Resp: 180033
 Ion Ratio Lower Upper
 264 100
 260 25.3 19.8 29.6
 265 21.4 17.3 25.9





#33

Benzo(b)fluoranthene

Concen: 0.11 ng

RT: 22.76 min Scan# 3166

Delta R.T. -0.01 min

Lab File: BE089961.D

Acq: 27 Jun 2015 3:59

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2015-02

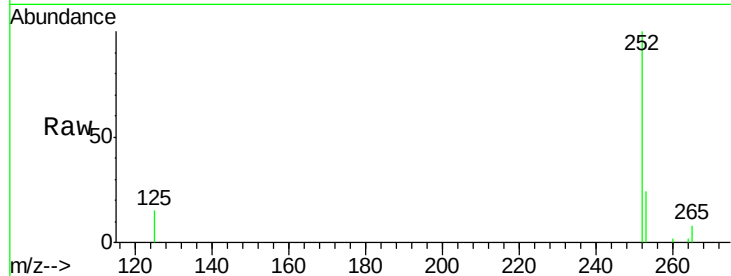
Tgt Ion:252 Resp: 3999

Ion Ratio Lower Upper

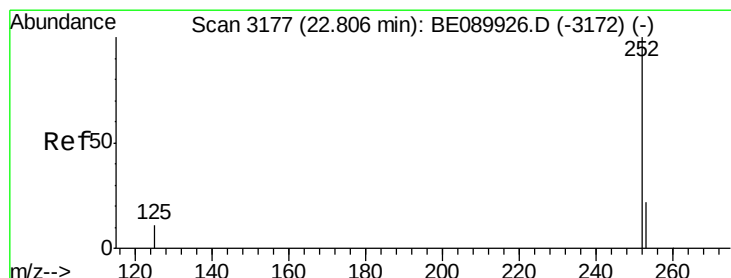
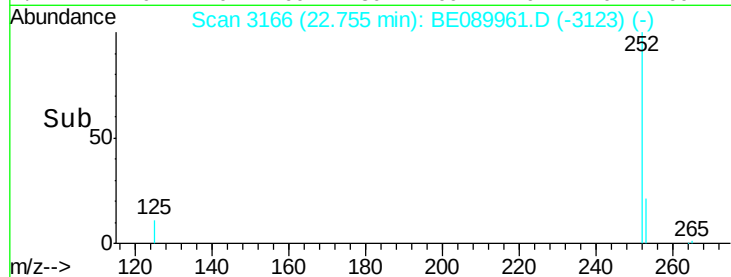
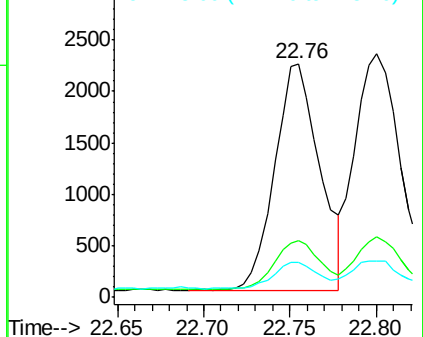
252 100

253 24.4 17.3 25.9

125 14.8 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: 0.10 ng

RT: 22.80 min Scan# 3176

Delta R.T. -0.01 min

Lab File: BE089961.D

Acq: 27 Jun 2015 3:59

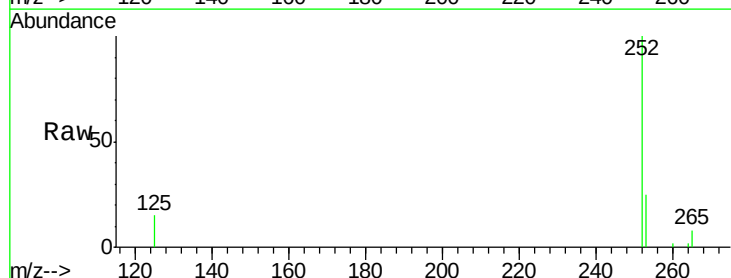
Tgt Ion:252 Resp: 4374

Ion Ratio Lower Upper

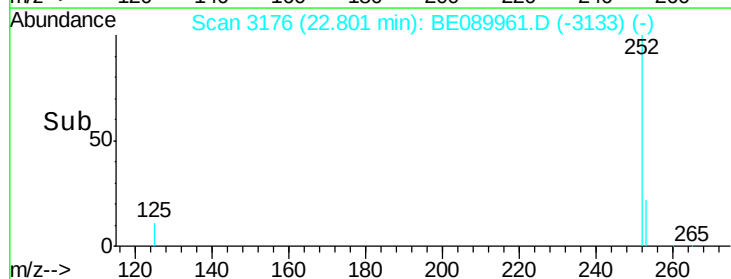
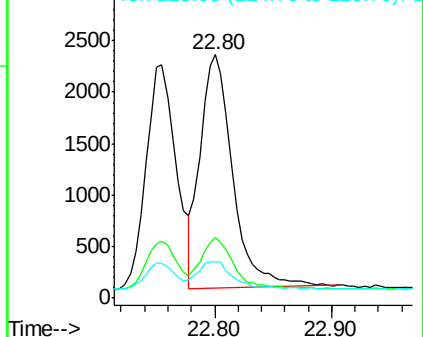
252 100

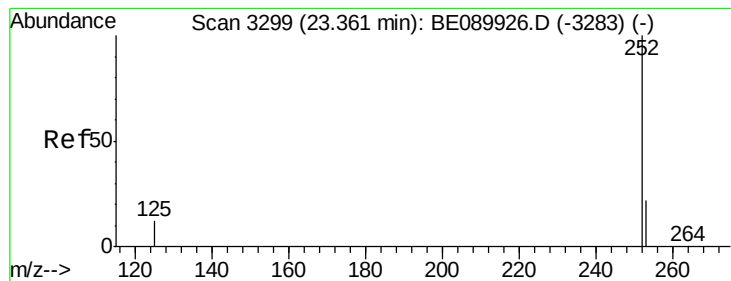
253 24.9 17.9 26.9

125 14.6 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: 0.10 ng

RT: 23.36 min Scan# 3299

Delta R.T. -0.00 min

Lab File: BE089961.D

Acq: 27 Jun 2015 3:59

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2015-02

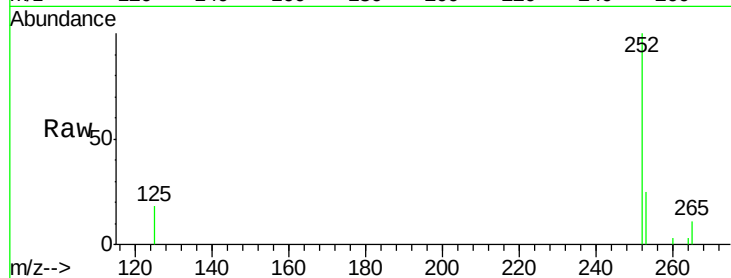
Tgt Ion:252 Resp: 3442

Ion Ratio Lower Upper

252 100

253 25.3 17.8 26.6

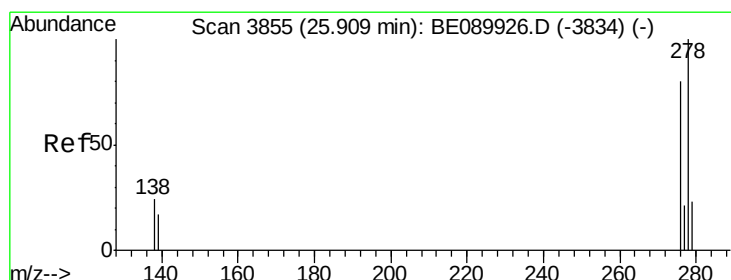
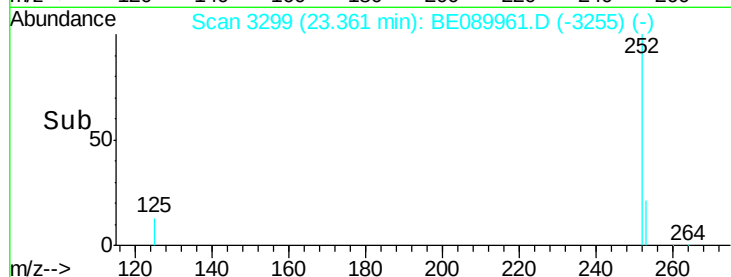
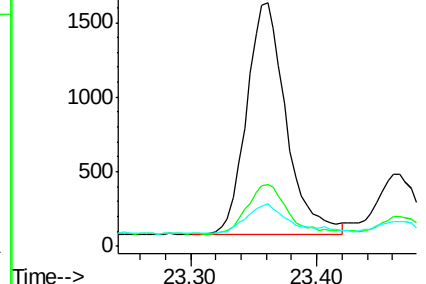
125 17.5 10.3 15.5#



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: 0.09 ng

RT: 25.90 min Scan# 3853

Delta R.T. -0.01 min

Lab File: BE089961.D

Acq: 27 Jun 2015 3:59

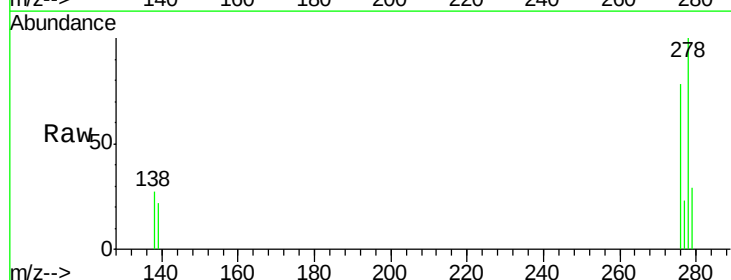
Tgt Ion:278 Resp: 2843

Ion Ratio Lower Upper

278 100

139 21.9 14.1 21.1#

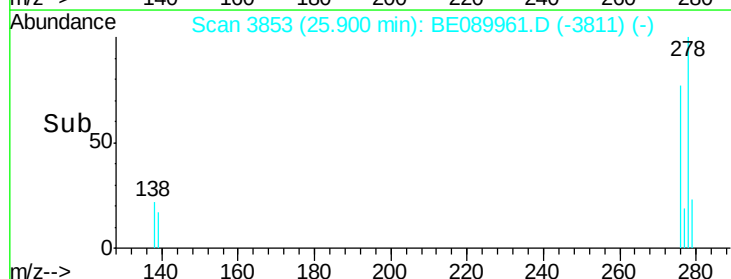
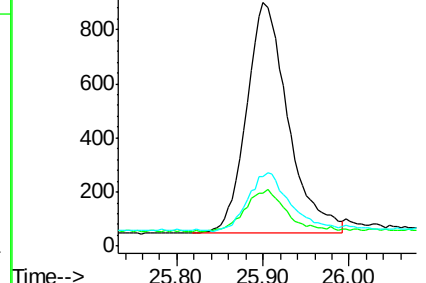
279 28.7 19.0 28.6#

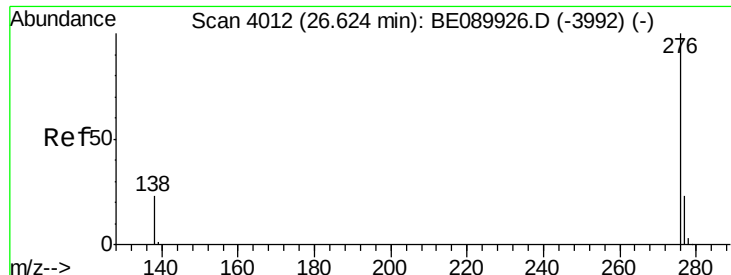


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.10 ng

RT: 26.62 min Scan# 4011

Delta R.T. -0.00 min

Lab File: BE089961.D

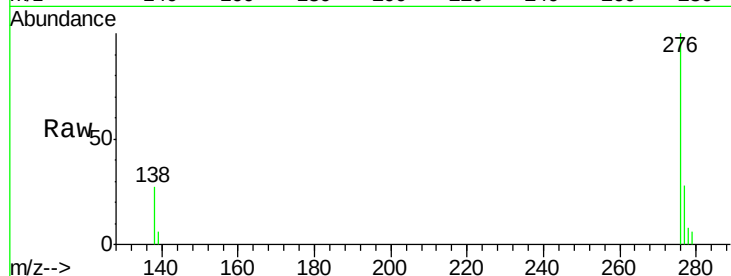
Acq: 27 Jun 2015 3:59

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2015-02



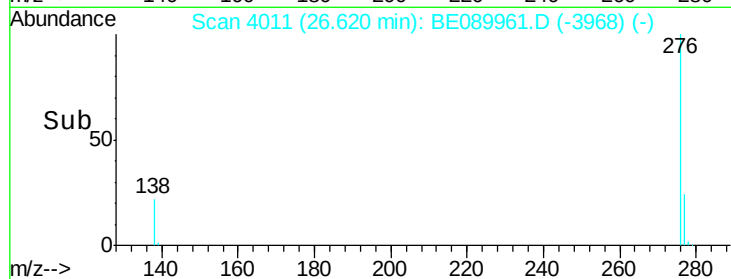
Tgt Ion: 276 Resp: 3395

Ion Ratio Lower Upper

276 100

277 28.1 19.0 28.4

138 26.5 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

