

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062415\
 Data File : BE089938.D
 Acq On : 24 Jun 2015 18:26
 Operator : TP/IZ
 Sample : G2653-03
 Misc : LOD-SIM-SOIL-0.1PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LOD-SOIL2015-01

Quant Time: Jun 25 03:53:33 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BE062315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 24 09:27:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	34088	5.00	ng	0.00
6) Naphthalene-d8	10.39	136	158733	5.00	ng	0.00
12) Acenaphthene-d10	14.25	164	100254	5.00	ng	0.00
18) Phenanthrene-d10	16.98	188	243441	5.00	ng	0.00
25) Chrysene-d12	21.14	240	267005	5.00	ng	0.00
32) Perylene-d12	23.46	264	232090	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.26	112	64440	10.47	ng	0.00
5) Phenol-d6	6.81	99	100182	10.62	ng	0.00
7) Nitrobenzene-d5	8.77	82	81981	6.94	ng	0.00
13) 2,4,6-Tribromophenol	15.74	330	11621	6.63	ng	0.00
14) 2-Fluorobiphenyl	12.86	172	198609	6.80	ng	0.00
27) Terphenyl-d14	19.60	244	333770	7.24	ng	0.00

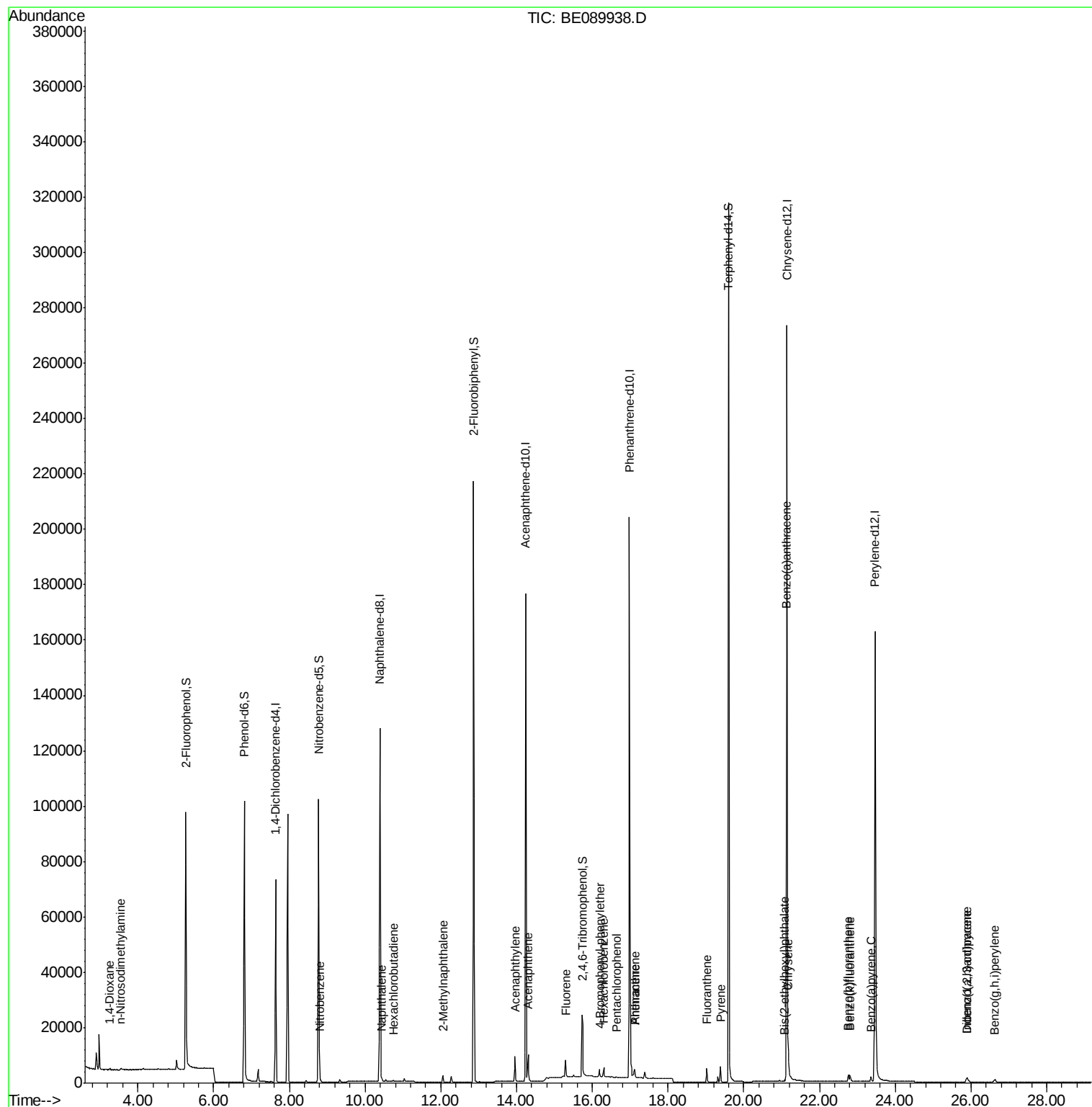
Target Compounds						Qvalue
2) 1,4-Dioxane	3.26	88	470	0.10	ng	# 73
3) n-Nitrosodimethylamine	3.55	42	358	0.06	ng	# 97
8) Nitrobenzene	8.81	77	898	0.07	ng	99
9) Naphthalene	10.44	128	2486	0.07	ng	# 93
10) Hexachlorobutadiene	10.74	225	406	0.07	ng	97
11) 2-Methylnaphthalene	12.05	142	1650	0.07	ng	96
15) Acenaphthylene	13.96	152	11006	0.06	ng	99
16) Acenaphthene	14.30	154	1704	0.07	ng	95
17) Fluorene	15.29	166	2362	0.07	ng	# 85
19) 4-Bromophenyl-phenylether	16.20	248	652	0.07	ng	97
20) Hexachlorobenzene	16.30	284	2877	0.07	ng	92
21) Pentachlorophenol	16.65	266	84	0.40	ng	# 64
22) Phenanthrene	17.12	178	3619	0.06	ng	97
23) Anthracene	17.12	178	3722	0.07	ng	99
24) Fluoranthene	19.02	202	4383	0.07	ng	100
26) Pyrene	19.38	202	4925	0.07	ng	99
28) Benzo(a)anthracene	21.12	228	5097	0.08	ng	97
29) Chrysene	21.17	228	4885	0.07	ng	98
30) Bis(2-ethylhexyl)phthalate	21.07	149	519	0.10	ng	# 98
31) Indeno(1,2,3-cd)pyrene	25.88	276	2676	0.05	ng	# 100
33) Benzo(b)fluoranthene	22.75	252	3085	0.06	ng	# 90
34) Benzo(k)fluoranthene	22.80	252	3886	0.07	ng	# 88
35) Benzo(a)pyrene	23.36	252	2764	0.06	ng	# 91
36) Dibenzo(a,h)anthracene	25.91	278	2161	0.05	ng	# 85
37) Benzo(g,h,i)perylene	26.62	276	2593	0.06	ng	92

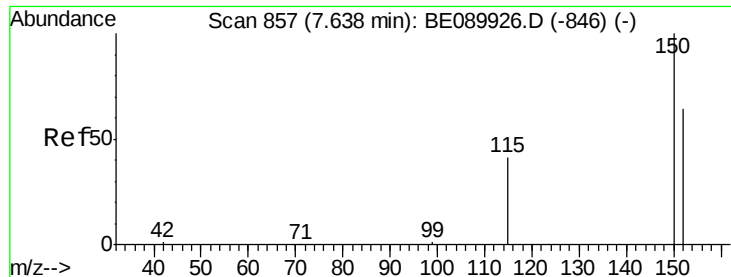
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.63 min Scan# 856

Delta R.T. -0.00 min

Lab File: BE089938.D

Acq: 24 Jun 2015 18:26

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL2015-01

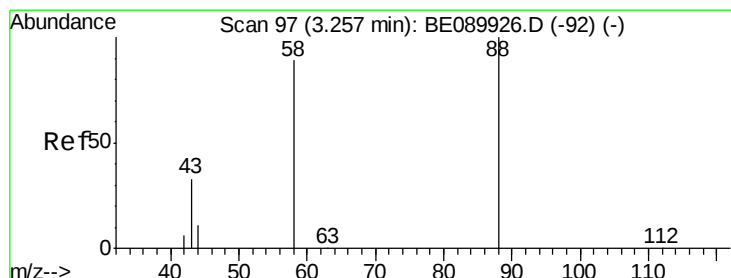
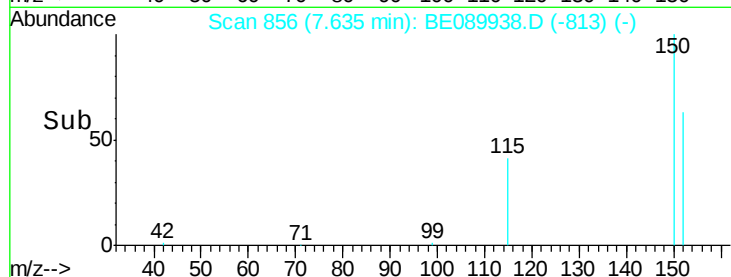
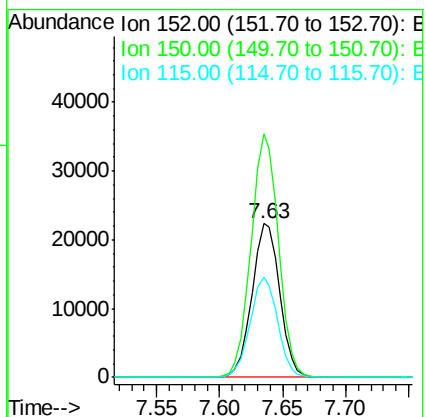
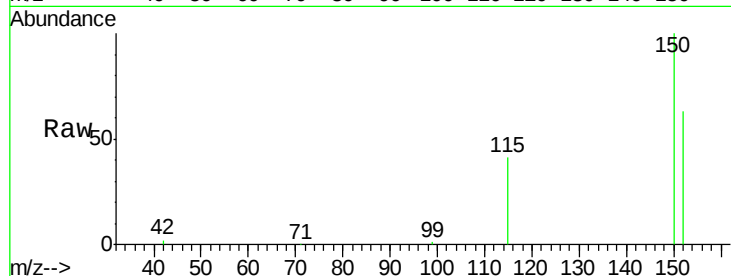
Tgt Ion:152 Resp: 34088

Ion Ratio Lower Upper

152 100

150 158.4 124.6 186.8

115 65.5 51.6 77.4



#2

1,4-Dioxane

Concen: 0.10 ng

RT: 3.26 min Scan# 98

Delta R.T. 0.01 min

Lab File: BE089938.D

Acq: 24 Jun 2015 18:26

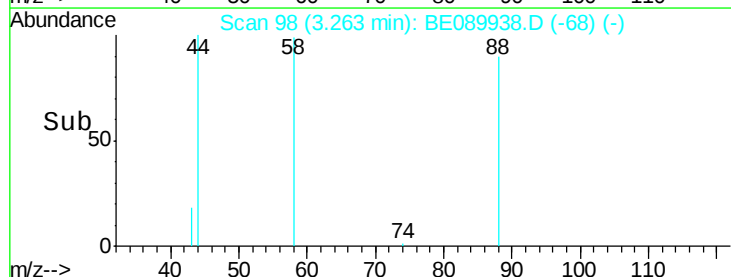
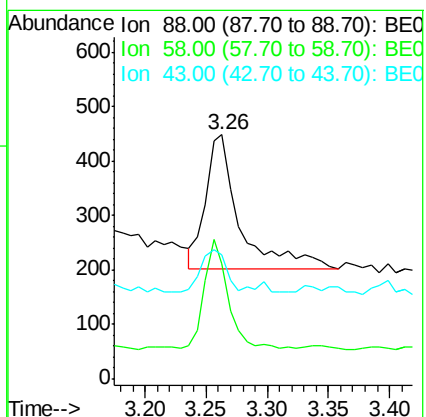
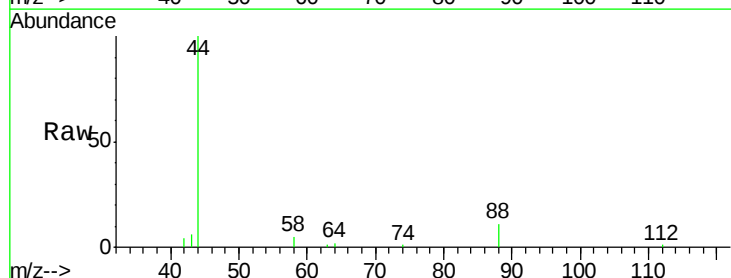
Tgt Ion: 88 Resp: 470

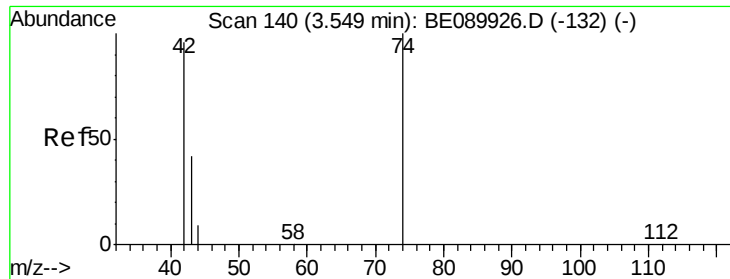
Ion Ratio Lower Upper

88 100

58 58.5 70.8 106.2#

43 25.5 26.8 40.2#





#3

n-Nitrosodimethylamine

Concen: 0.06 ng

RT: 3.55 min Scan# 141

Delta R.T. 0.01 min

Lab File: BE089938.D

Acq: 24 Jun 2015 18:26

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL2015-01

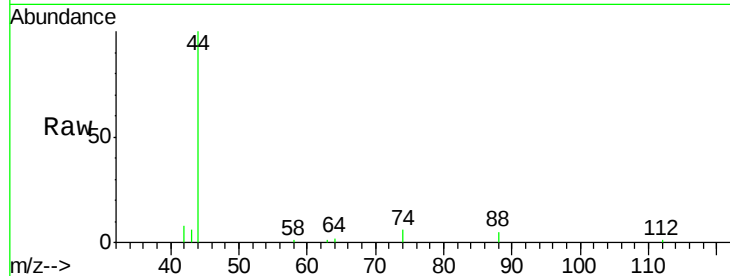
Tgt Ion: 42 Resp: 358

Ion Ratio Lower Upper

42 100

74 107.5 85.4 128.2

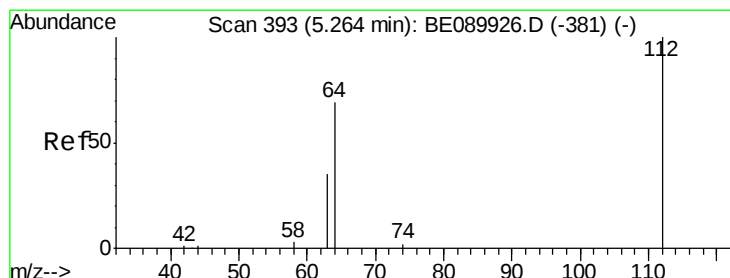
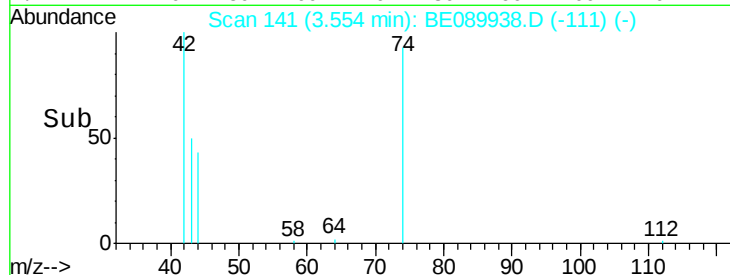
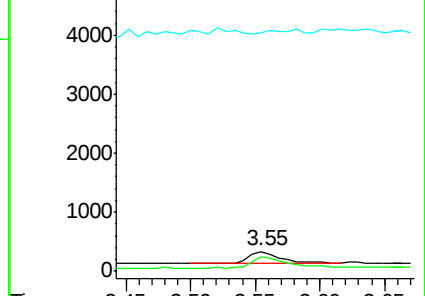
44 22.3 8.4 12.6#



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: 10.47 ng

RT: 5.26 min Scan# 393

Delta R.T. -0.00 min

Lab File: BE089938.D

Acq: 24 Jun 2015 18:26

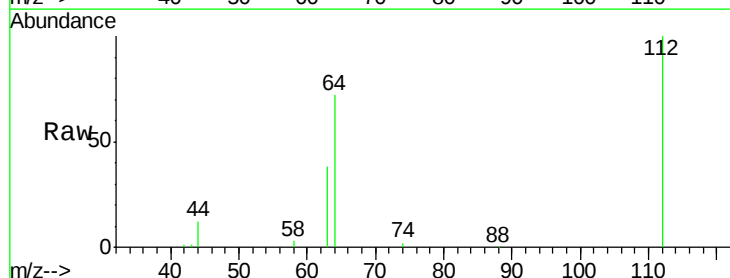
Tgt Ion: 112 Resp: 64440

Ion Ratio Lower Upper

112 100

64 72.7 57.4 86.2

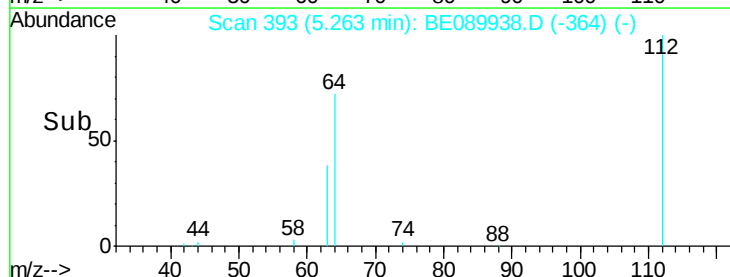
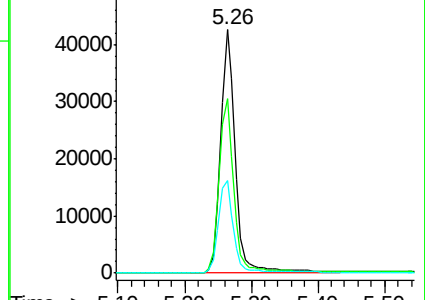
63 39.1 31.2 46.8

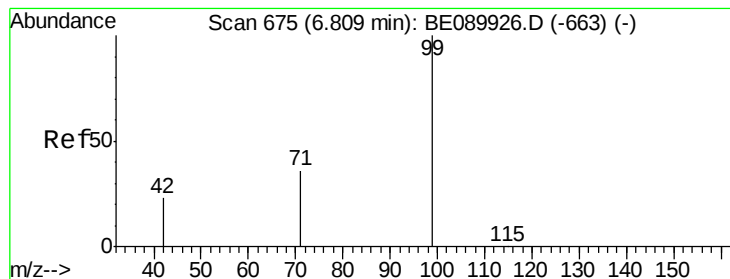


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 10.62 ng

RT: 6.81 min Scan# 675

Delta R.T. 0.00 min

Lab File: BE089938.D

Acq: 24 Jun 2015 18:26

Instrument :

BNA_E

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LOD-SOIL2015-01

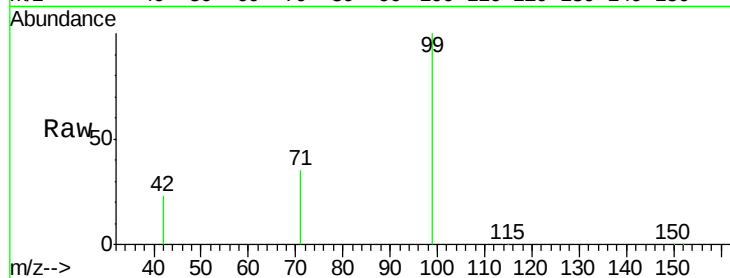
Tgt Ion: 99 Resp: 100182

Ion Ratio Lower Upper

99 100

42 23.3 19.5 29.3

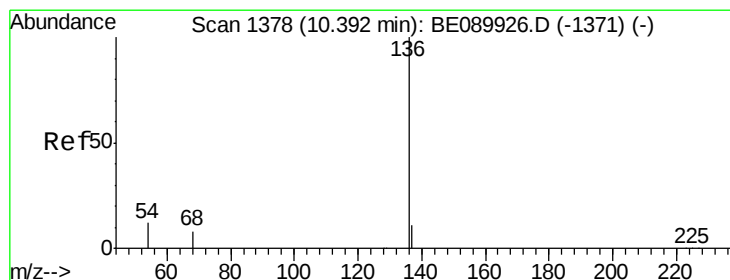
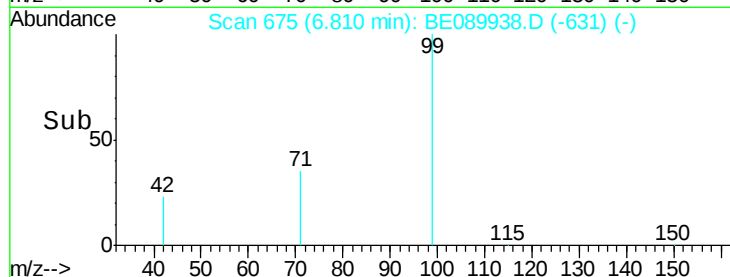
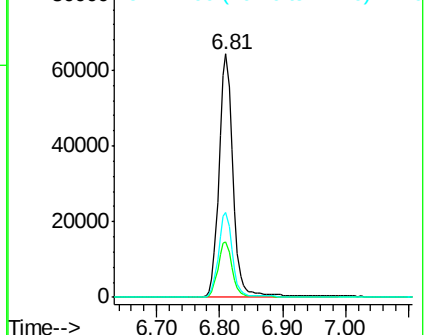
71 35.1 27.8 41.6



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: BE089938.D

Acq: 24 Jun 2015 18:26

Tgt Ion: 136 Resp: 158733

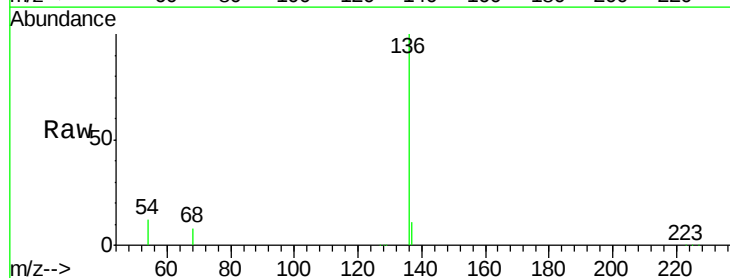
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 11.9 9.7 14.5

68 7.9 6.5 9.7

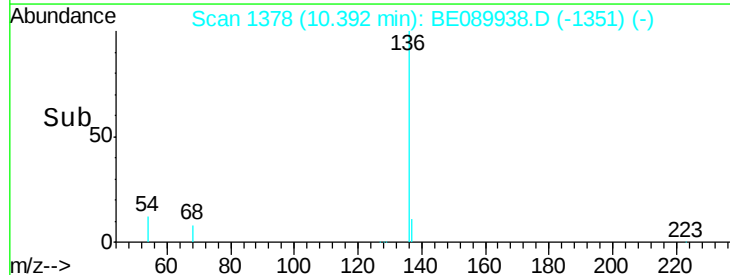
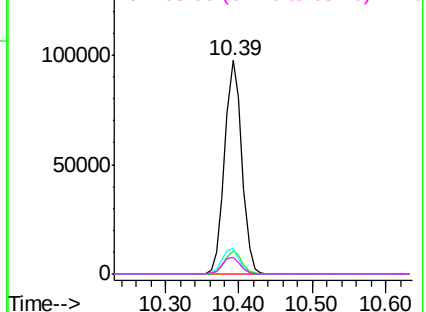


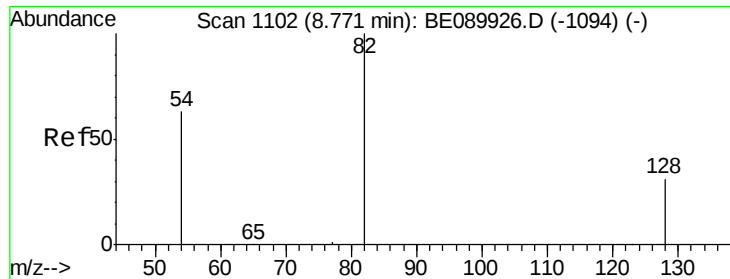
Abundance Ion 136.00 (135.70 to 136.70): E

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: 6.94 ng

RT: 8.77 min Scan# 1102

Delta R.T. -0.00 min

Lab File: BE089938.D

Acq: 24 Jun 2015 18:26

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL2015-01

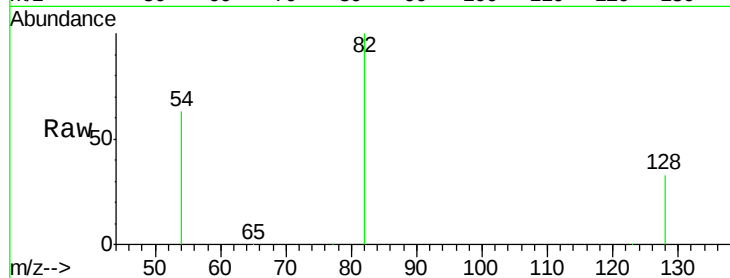
Tgt Ion: 82 Resp: 81981

Ion Ratio Lower Upper

82 100

128 33.4 25.6 38.4

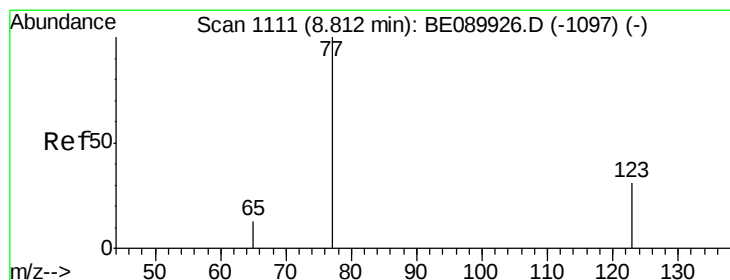
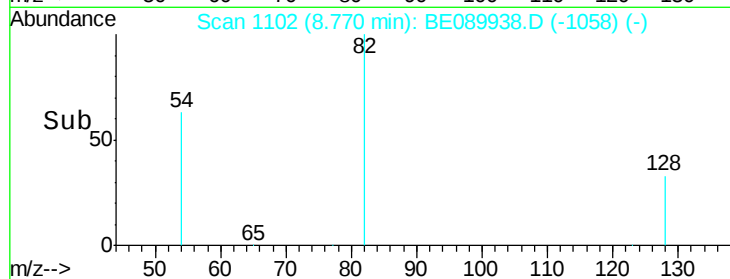
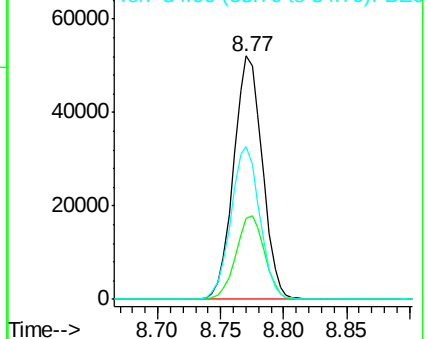
54 62.8 51.2 76.8



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: BE089938.D

Acq: 24 Jun 2015 18:26

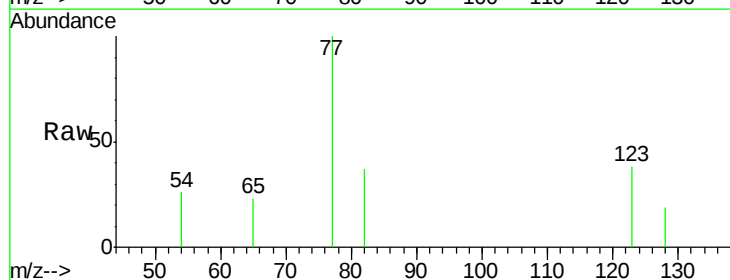
Tgt Ion: 77 Resp: 898

Ion Ratio Lower Upper

77 100

123 33.6 26.6 39.8

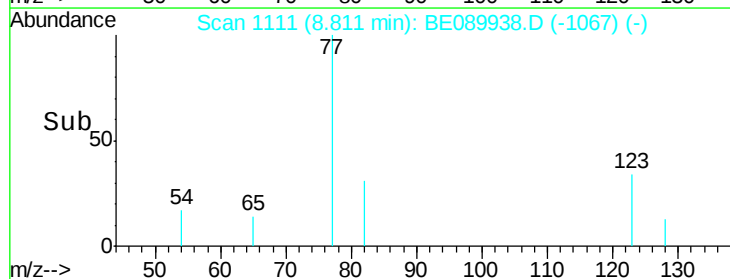
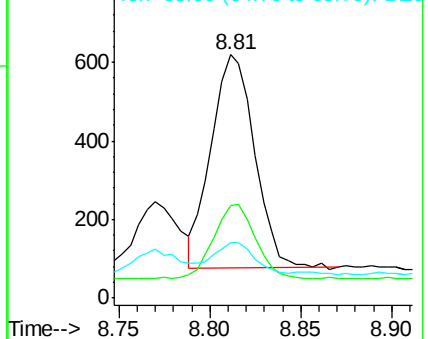
65 12.8 10.2 15.4



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: 0.07 ng

RT: 10.44 min Scan# 1384

Delta R.T. -0.01 min

Lab File: BE089938.D

Acq: 24 Jun 2015 18:26

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ClientSampleId :

LOD-SOIL2015-01

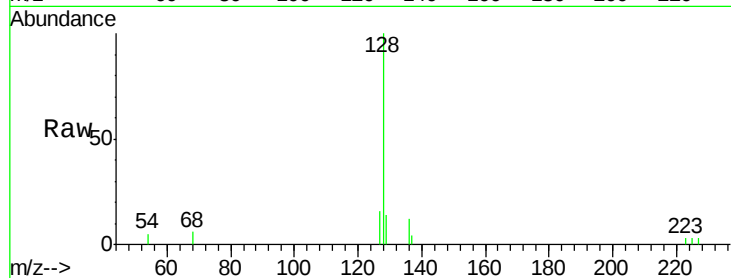
Tgt Ion:128 Resp: 2486

Ion Ratio Lower Upper

128 100

129 13.5 8.9 13.3#

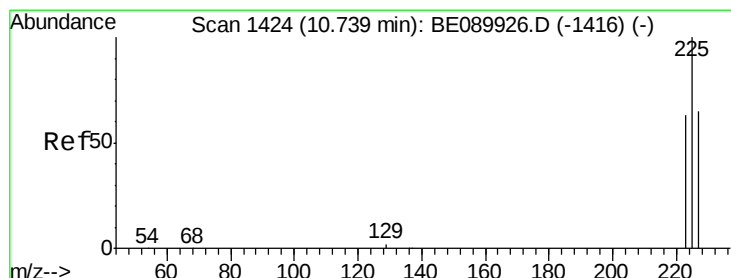
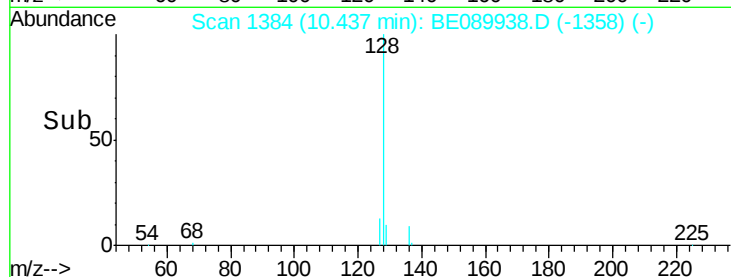
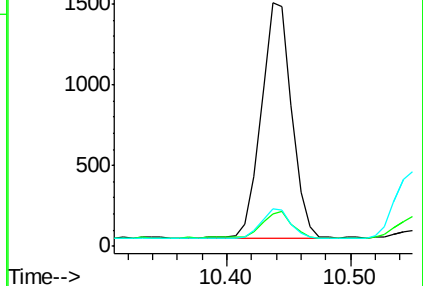
127 15.7 10.2 15.4#



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: 0.07 ng

RT: 10.74 min Scan# 1424

Delta R.T. -0.00 min

Lab File: BE089938.D

Acq: 24 Jun 2015 18:26

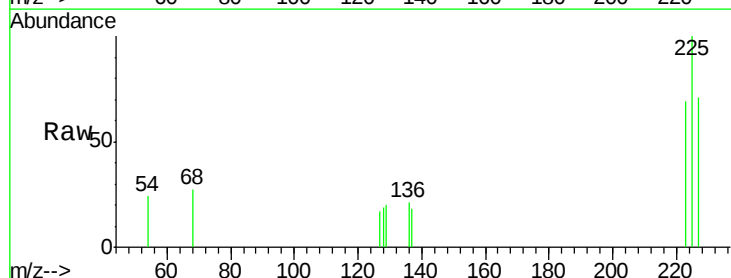
Tgt Ion:225 Resp: 406

Ion Ratio Lower Upper

225 100

223 61.1 50.0 75.0

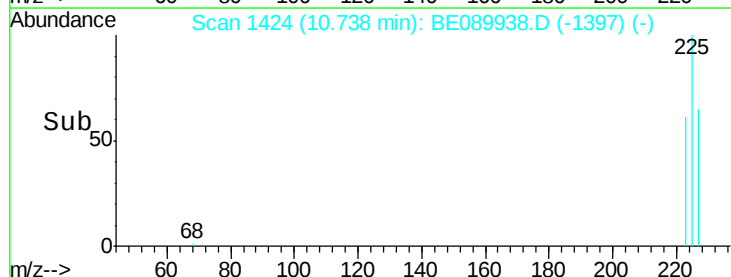
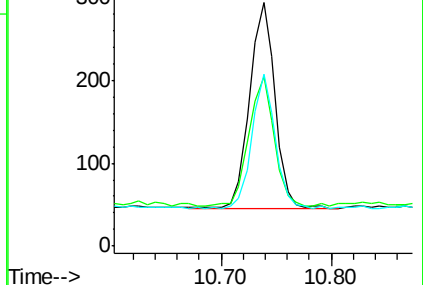
227 59.9 50.7 76.1



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

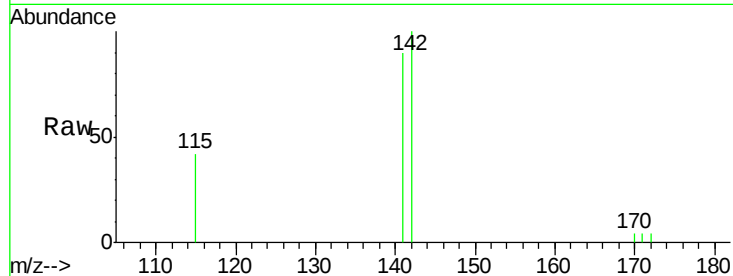




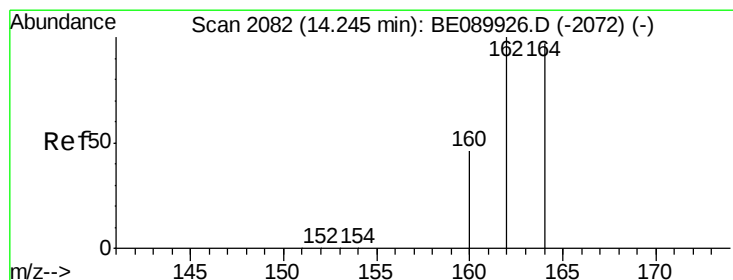
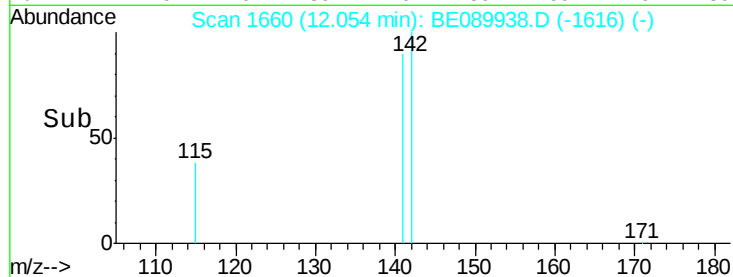
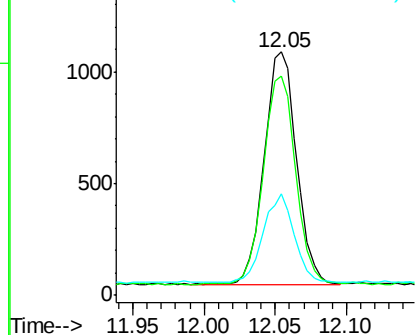
#11
2-Methylnaphthalene
Concen: 0.07 ng
RT: 12.05 min Scan# 1660
Delta R.T. -0.00 min
Lab File: BE089938.D
Acq: 24 Jun 2015 18:26

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion:142 Resp: 1650
Ion Ratio Lower Upper
142 100
141 90.2 71.1 106.7
115 41.6 29.1 43.7

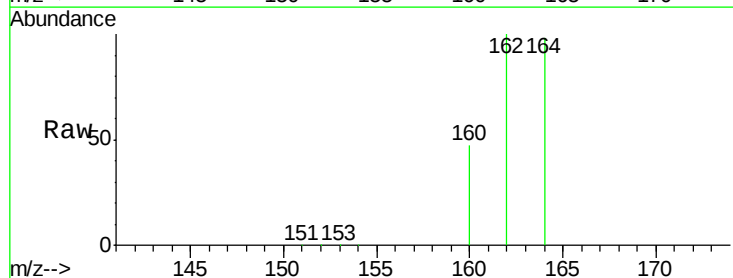


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

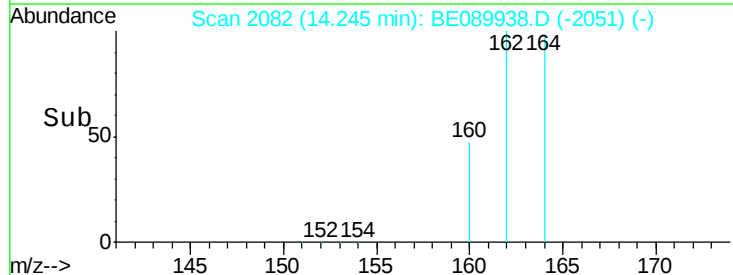
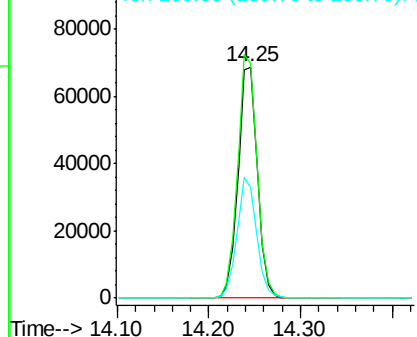


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.25 min Scan# 2082
Delta R.T. -0.00 min
Lab File: BE089938.D
Acq: 24 Jun 2015 18:26

Tgt Ion:164 Resp: 100254
Ion Ratio Lower Upper
164 100
162 101.5 82.7 124.1
160 47.6 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

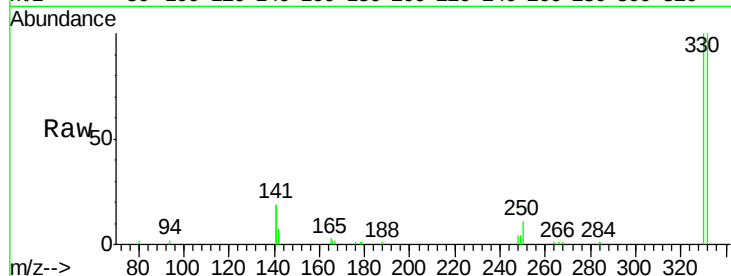




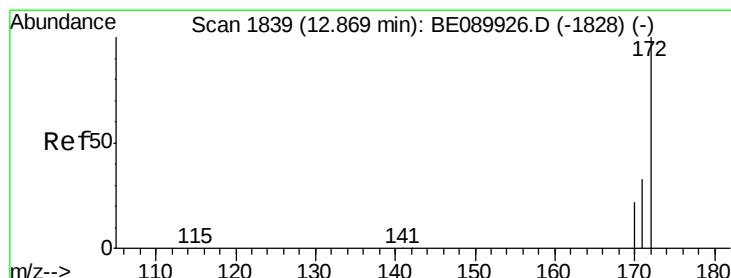
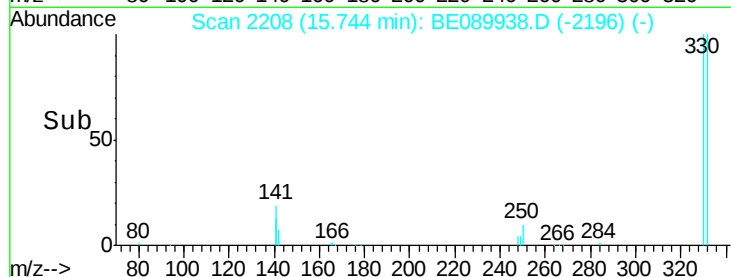
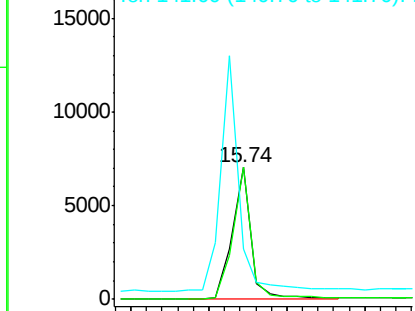
#13
 2,4,6-Tribromophenol
 Concen: 6.63 ng
 RT: 15.74 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: BE089938.D
 Acq: 24 Jun 2015 18:26

Instrument :
 BNA_E
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion:330 Resp: 11621
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.9 116.9
 141 171.7 142.8 214.2

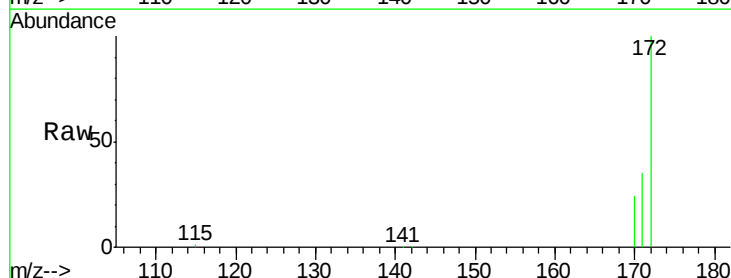


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

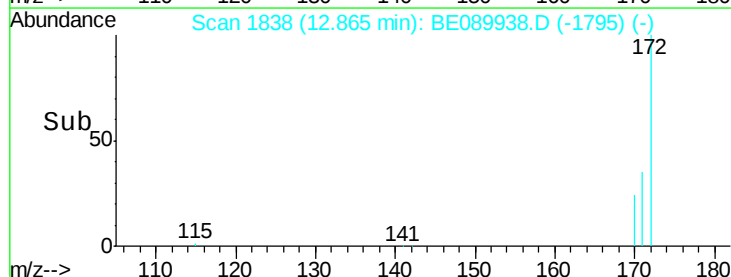
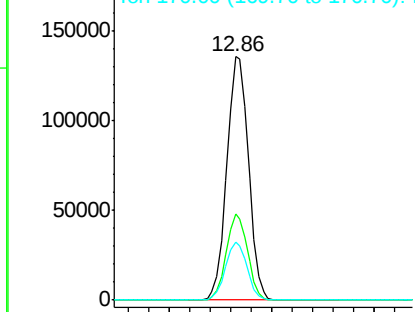


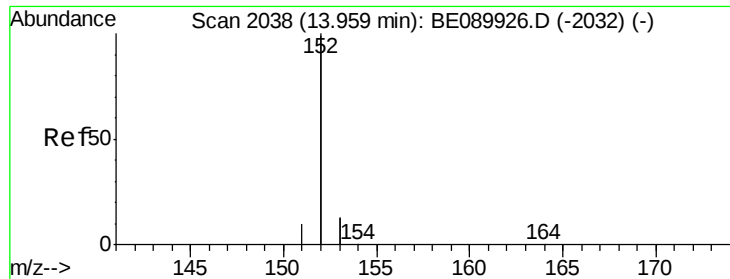
#14
 2-Fluorobiphenyl
 Concen: 6.80 ng
 RT: 12.86 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: BE089938.D
 Acq: 24 Jun 2015 18:26

Tgt Ion:172 Resp: 198609
 Ion Ratio Lower Upper
 172 100
 171 35.2 26.7 40.1
 170 24.0 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: 0.06 ng

RT: 13.96 min Scan# 2038

Delta R.T. -0.00 min

Lab File: BE089938.D

Acq: 24 Jun 2015 18:26

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL2015-01

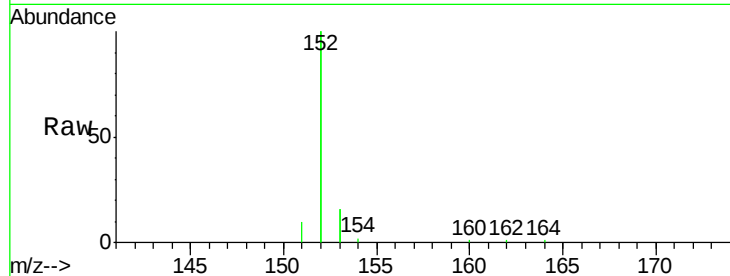
Tgt Ion:152 Resp: 11006

Ion Ratio Lower Upper

152 100

151 5.0 3.9 5.9

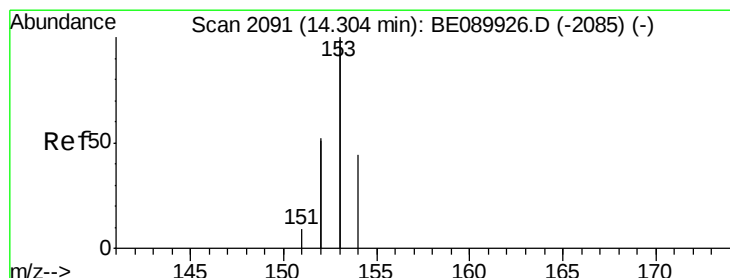
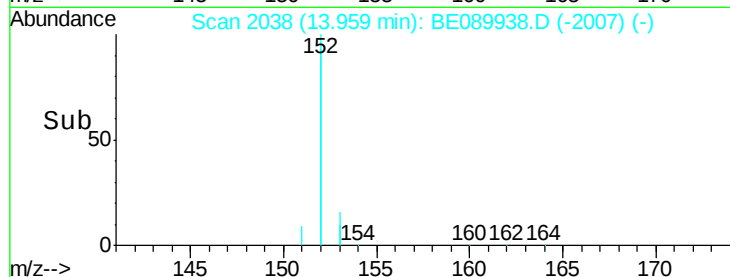
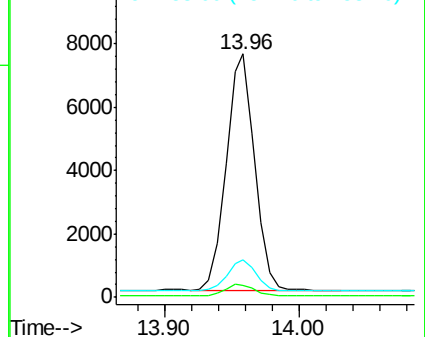
153 13.4 10.4 15.6



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: 0.07 ng

RT: 14.30 min Scan# 2091

Delta R.T. -0.00 min

Lab File: BE089938.D

Acq: 24 Jun 2015 18:26

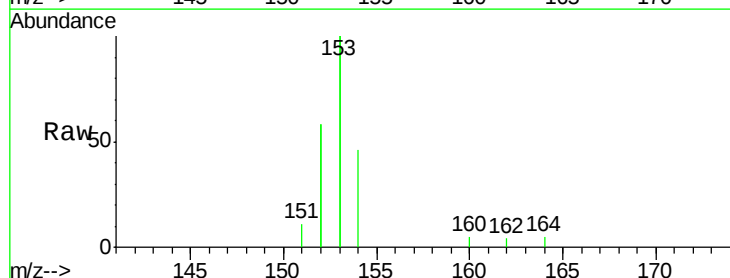
Tgt Ion:154 Resp: 1704

Ion Ratio Lower Upper

154 100

153 459.9 362.8 544.2

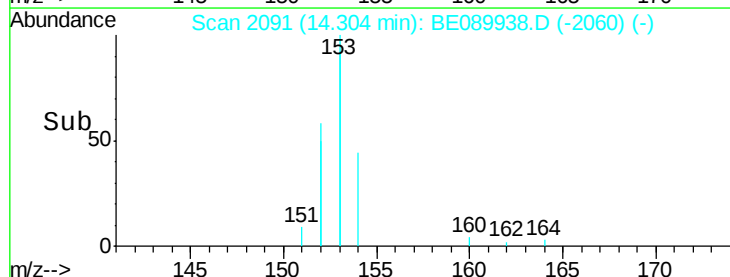
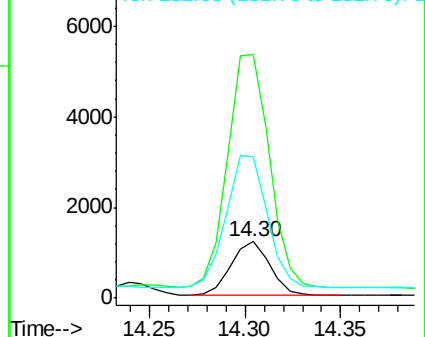
152 259.6 194.6 291.8



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

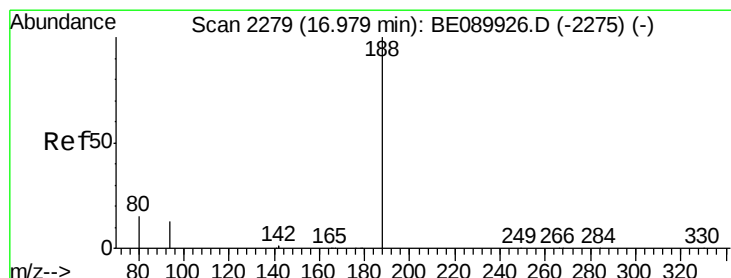
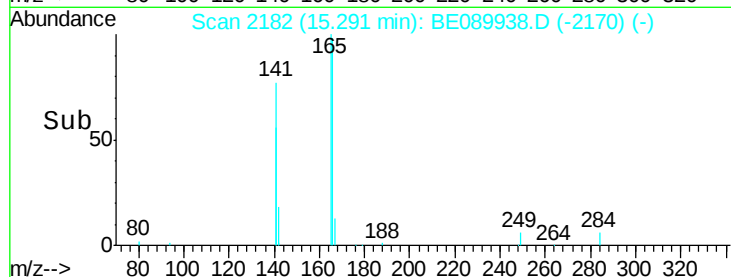
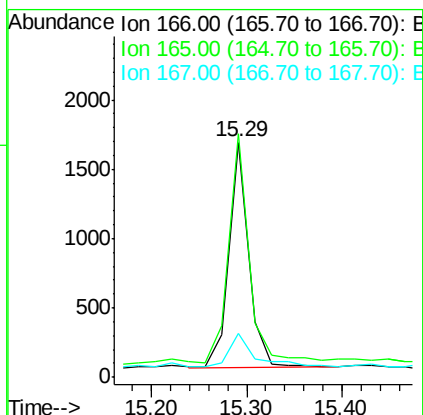
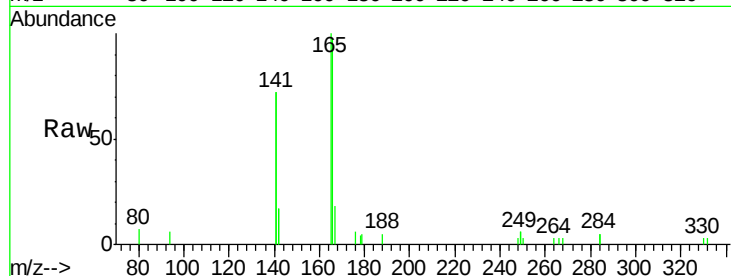




#17
Fluorene
 Concen: 0.07 ng
 RT: 15.29 min Scan# 2182
 Delta R.T. 0.00 min
 Lab File: BE089938.D
 Acq: 24 Jun 2015 18:26

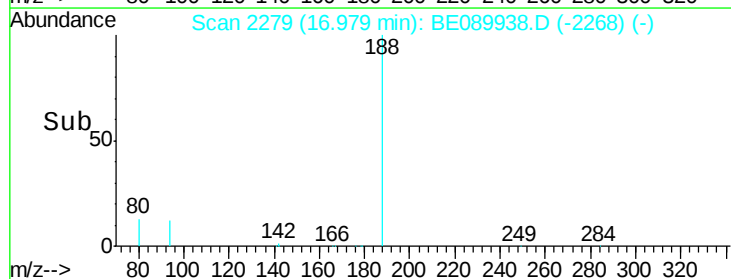
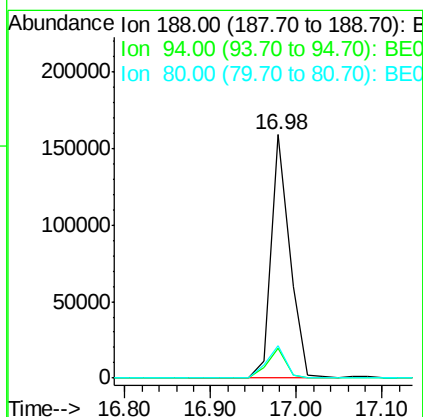
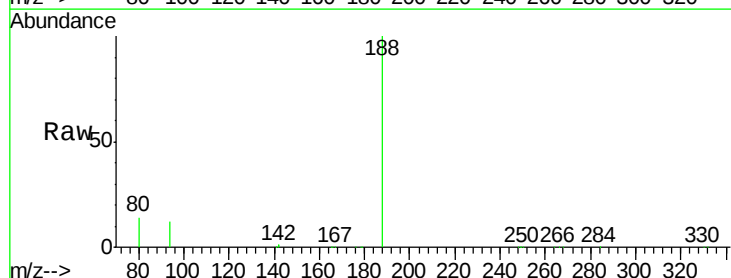
Instrument :
 BNA_E
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion:166 Resp: 2362
 Ion Ratio Lower Upper
 166 100
 165 116.6 81.1 121.7
 167 19.3 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: BE089938.D
 Acq: 24 Jun 2015 18:26

Tgt Ion:188 Resp: 243441
 Ion Ratio Lower Upper
 188 100
 94 12.3 10.6 16.0
 80 13.5 11.8 17.6

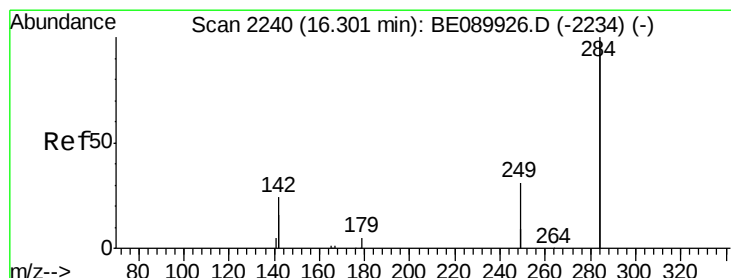
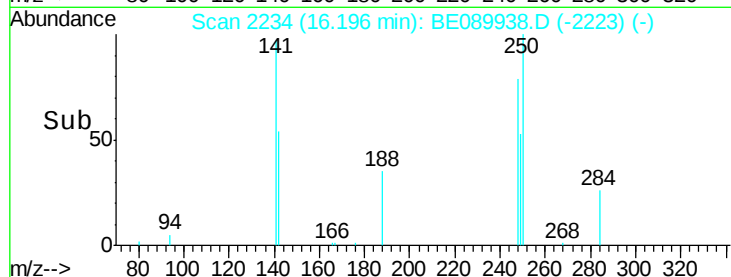
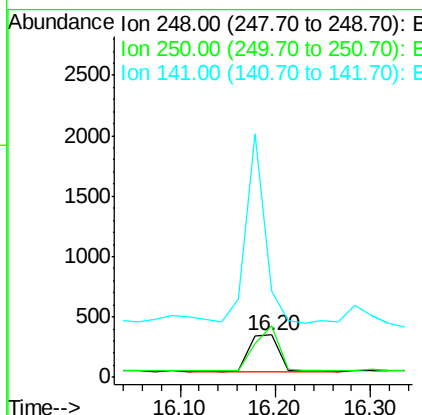
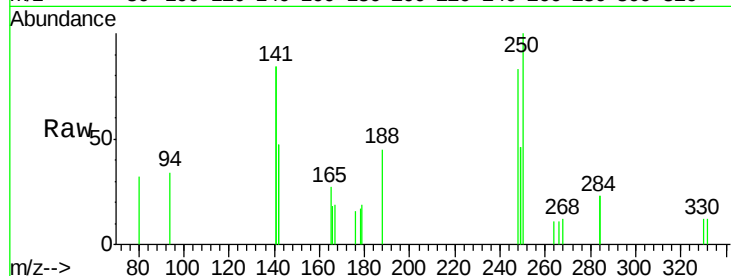




#19
4-Bromophenyl-phenylether
Concen: 0.07 ng
RT: 16.20 min Scan# 2234
Delta R.T. -0.00 min
Lab File: BE089938.D
Acq: 24 Jun 2015 18:26

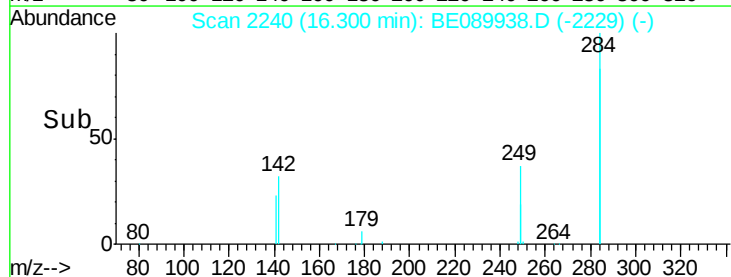
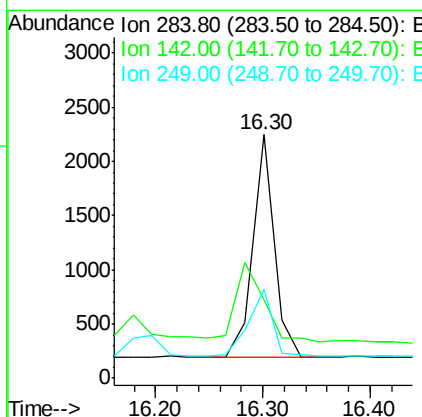
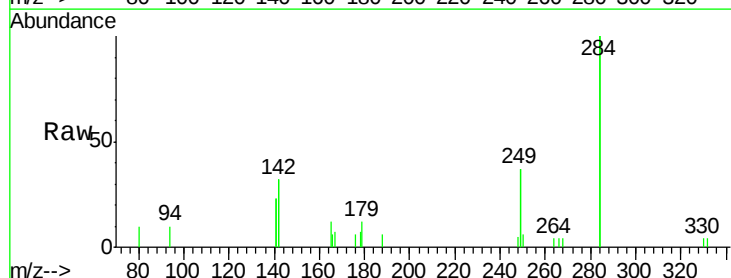
Instrument :
BNA_E
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion:248 Resp: 652
Ion Ratio Lower Upper
248 100
250 102.5 79.3 118.9
141 335.7 274.1 411.1



#20
Hexachlorobenzene
Concen: 0.07 ng
RT: 16.30 min Scan# 2240
Delta R.T. -0.00 min
Lab File: BE089938.D
Acq: 24 Jun 2015 18:26

Tgt Ion:284 Resp: 2877
Ion Ratio Lower Upper
284 100
142 46.2 32.0 48.0
249 34.1 25.0 37.6

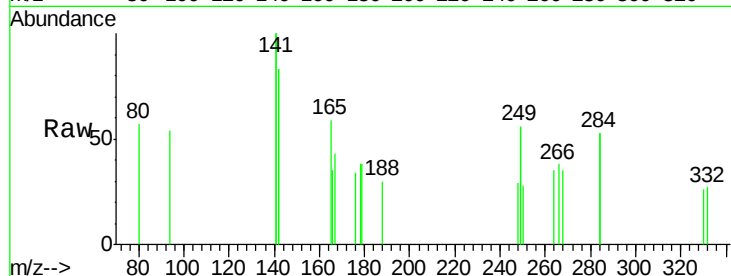




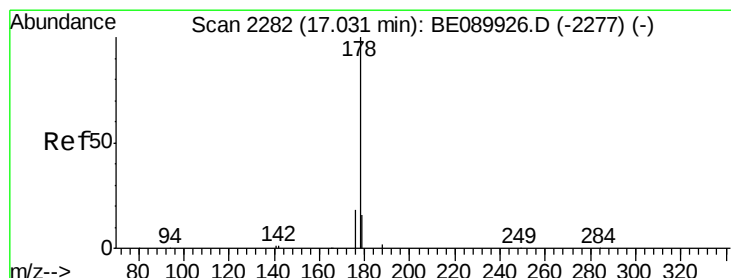
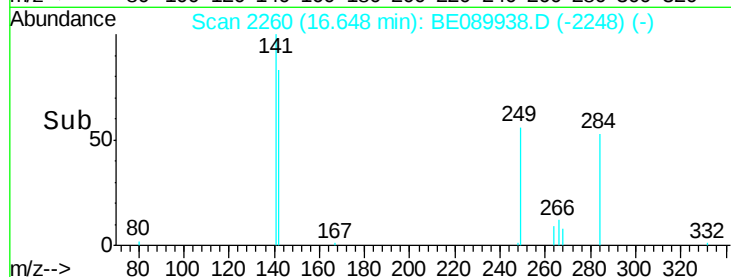
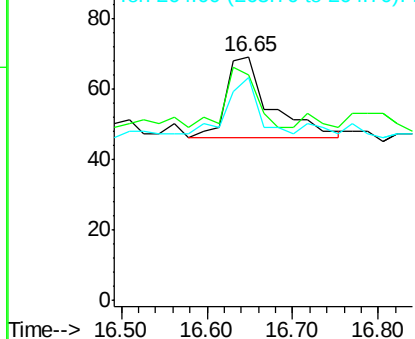
#21
 Pentachlorophenol
 Concen: 0.40 ng
 RT: 16.65 min Scan# 2260
 Delta R.T. 0.00 min
 Lab File: BE089938.D
 Acq: 24 Jun 2015 18:26

Instrument :
 BNA_E
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion: 266 Resp: 84
 Ion Ratio Lower Upper
 266 100
 268 92.8 54.4 81.6#
 264 91.3 48.2 72.2#

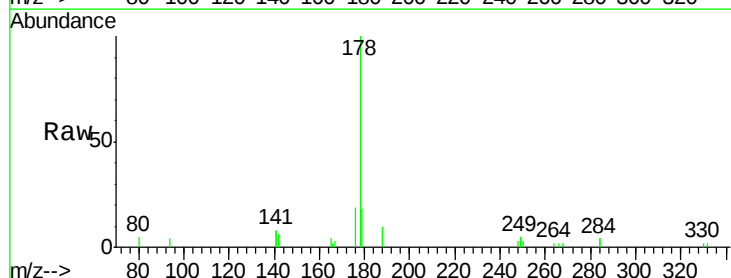


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

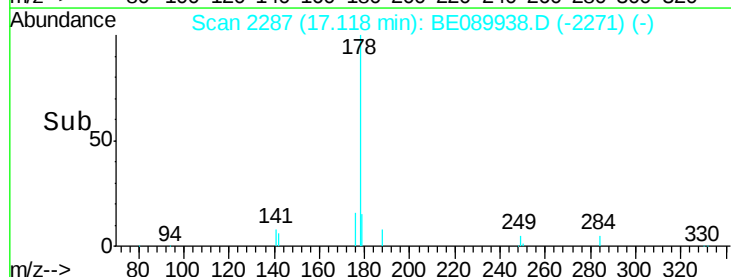
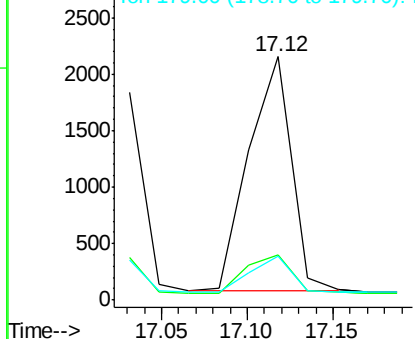


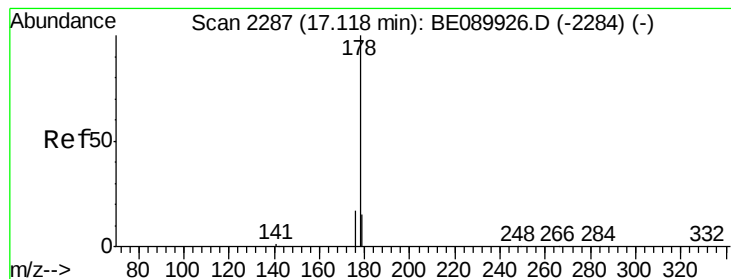
#22
 Phenanthrene
 Concen: 0.06 ng
 RT: 17.12 min Scan# 2287
 Delta R.T. 0.09 min
 Lab File: BE089938.D
 Acq: 24 Jun 2015 18:26

Tgt Ion: 178 Resp: 3619
 Ion Ratio Lower Upper
 178 100
 176 17.8 15.4 23.2
 179 14.4 12.6 19.0



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





#23

Anthracene

Concen: 0.07 ng

RT: 17.12 min Scan# 2287

Delta R.T. -0.00 min

Lab File: BE089938.D

Acq: 24 Jun 2015 18:26

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL2015-01

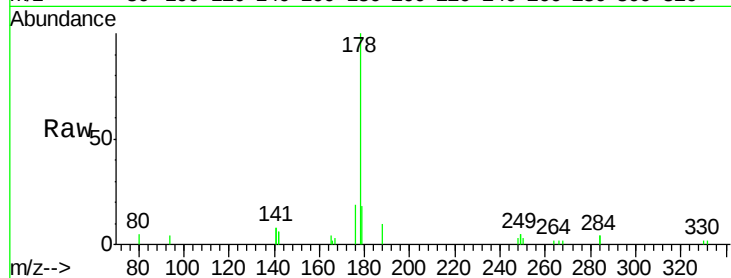
Tgt Ion:178 Resp: 3722

Ion Ratio Lower Upper

178 100

176 18.3 14.6 21.8

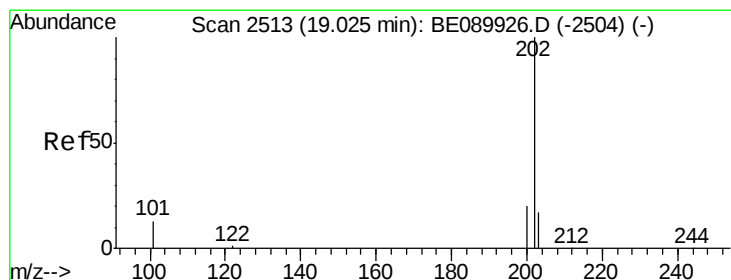
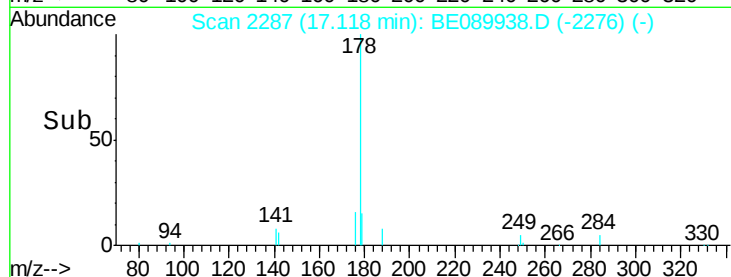
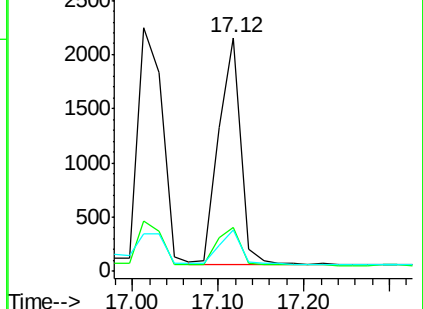
179 16.0 12.3 18.5



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: 0.07 ng

RT: 19.02 min Scan# 2513

Delta R.T. -0.00 min

Lab File: BE089938.D

Acq: 24 Jun 2015 18:26

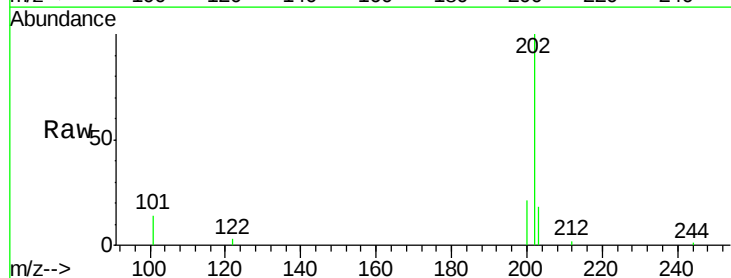
Tgt Ion:202 Resp: 4383

Ion Ratio Lower Upper

202 100

101 13.4 10.6 16.0

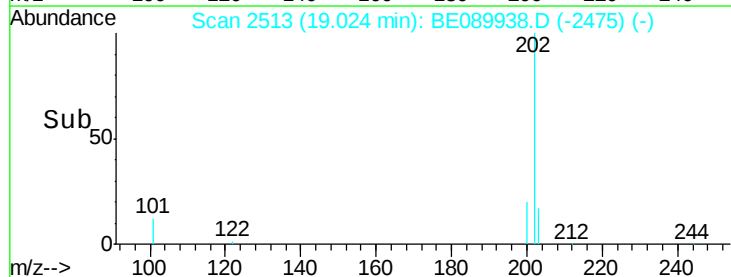
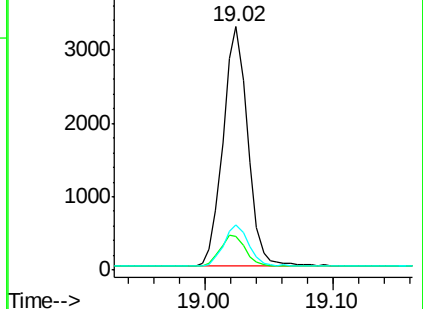
203 17.3 13.8 20.8



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: BE089938.D

Acq: 24 Jun 2015 18:26

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL2015-01

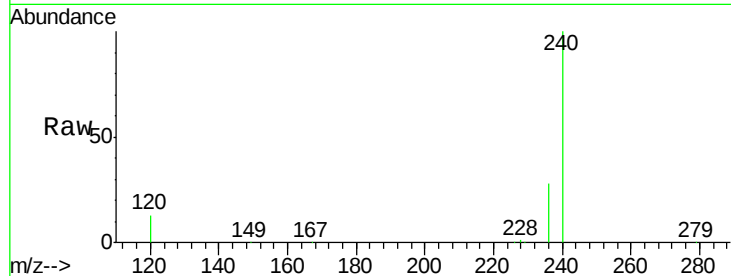
Tgt Ion:240 Resp: 267005

Ion Ratio Lower Upper

240 100

120 13.0 7.9 11.9#

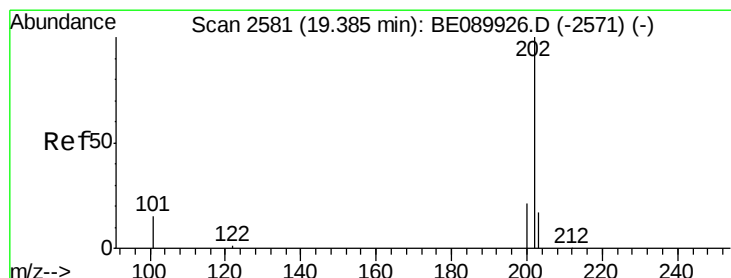
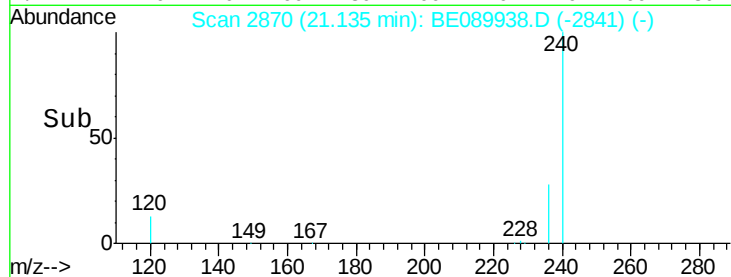
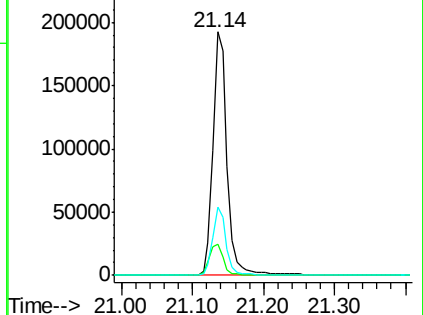
236 27.9 21.2 31.8



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: 0.07 ng

RT: 19.38 min Scan# 2581

Delta R.T. -0.00 min

Lab File: BE089938.D

Acq: 24 Jun 2015 18:26

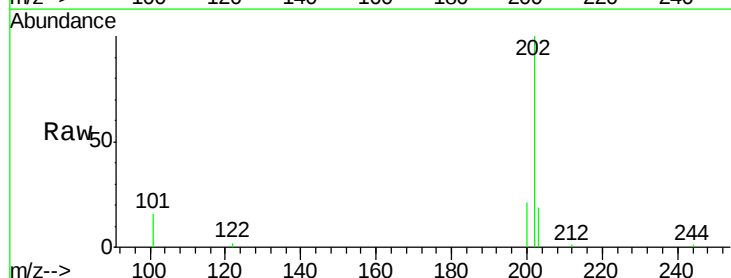
Tgt Ion:202 Resp: 4925

Ion Ratio Lower Upper

202 100

200 21.1 16.6 25.0

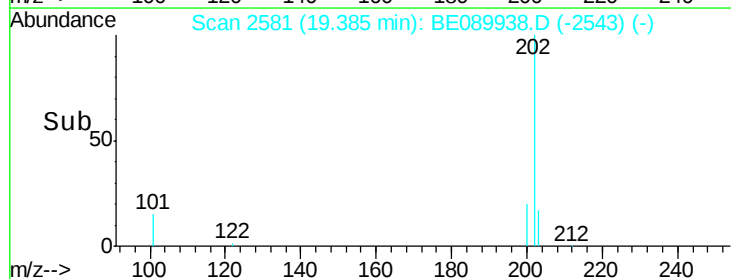
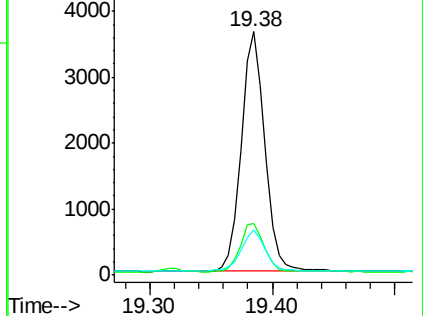
203 18.5 13.9 20.9

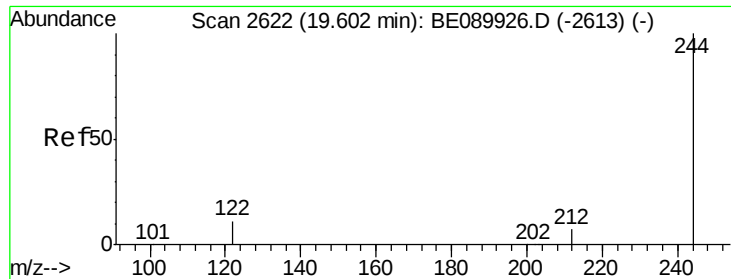


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Terphenyl-d14

Concen: 7.24 ng

RT: 19.60 min Scan# 2621

Delta R.T. -0.01 min

Lab File: BE089938.D

Acq: 24 Jun 2015 18:26

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL2015-01

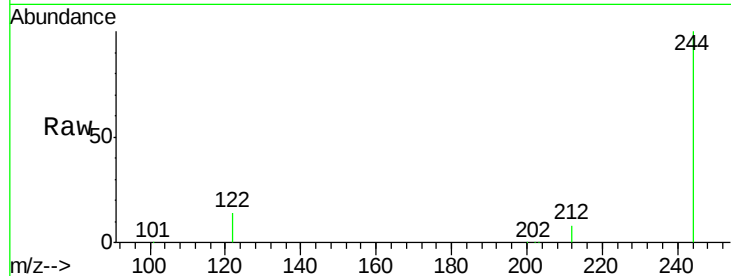
Tgt Ion:244 Resp: 333770

Ion Ratio Lower Upper

244 100

212 8.5 6.1 9.1

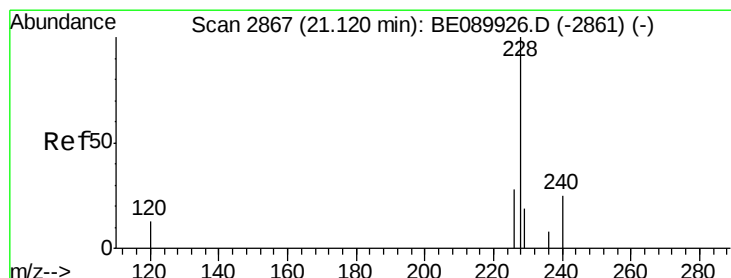
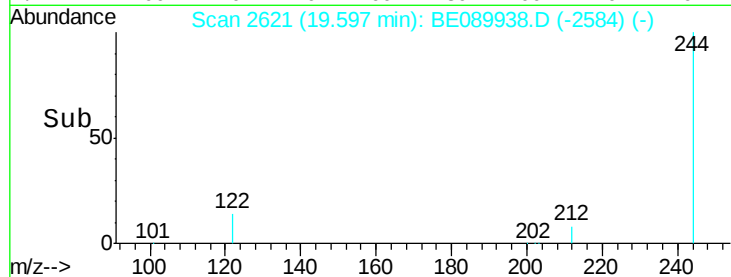
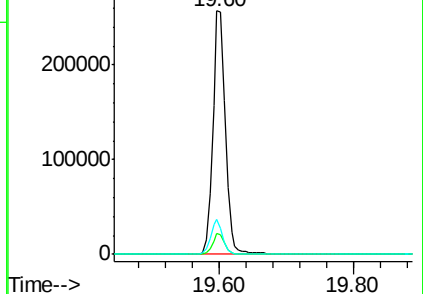
122 14.4 8.7 13.1#



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: 0.08 ng

RT: 21.12 min Scan# 2868

Delta R.T. 0.00 min

Lab File: BE089938.D

Acq: 24 Jun 2015 18:26

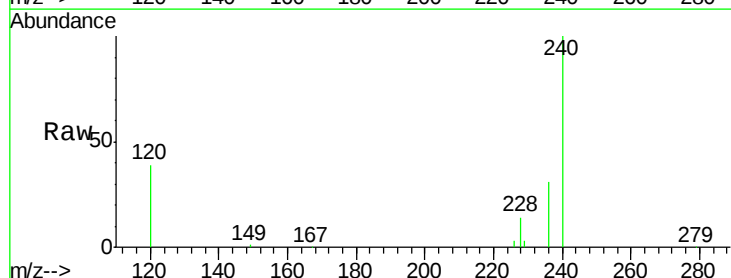
Tgt Ion:228 Resp: 5097

Ion Ratio Lower Upper

228 100

226 25.6 22.2 33.4

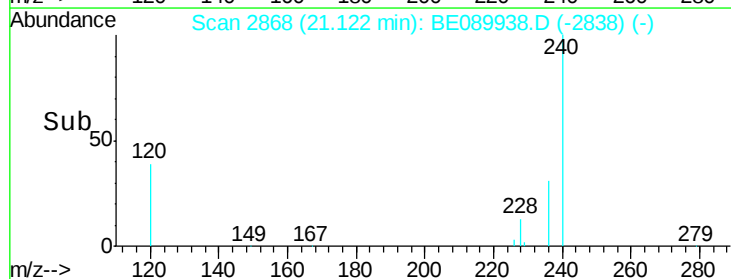
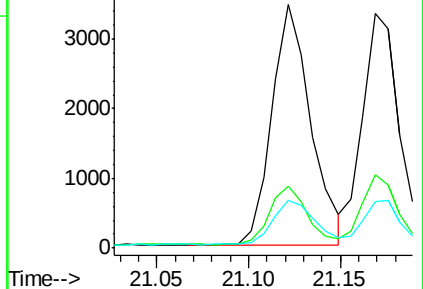
229 19.8 15.3 22.9



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: 0.07 ng

RT: 21.17 min Scan# 2875

Delta R.T. -0.01 min

Lab File: BE089938.D

Acq: 24 Jun 2015 18:26

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL2015-01

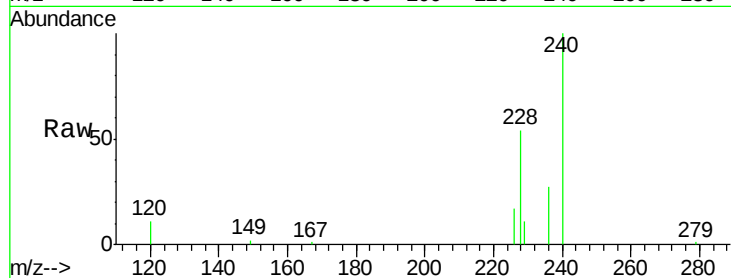
Tgt Ion:228 Resp: 4885

Ion Ratio Lower Upper

228 100

226 31.1 23.7 35.5

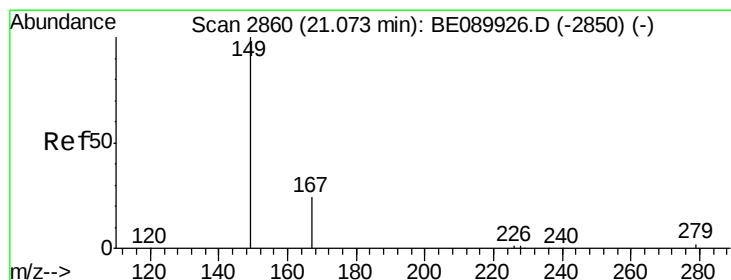
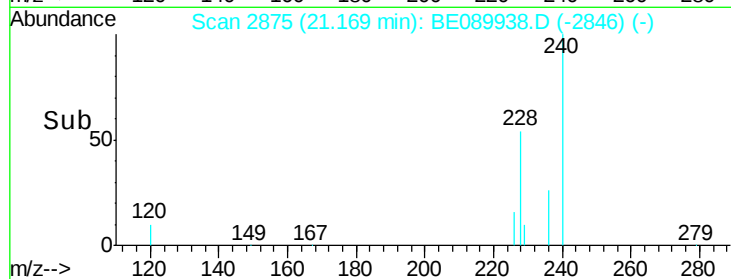
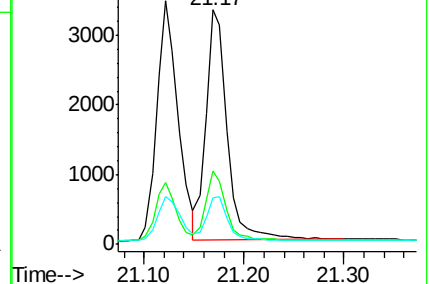
229 19.9 15.8 23.8



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# 2861

Delta R.T. 0.00 min

Lab File: BE089938.D

Acq: 24 Jun 2015 18:26

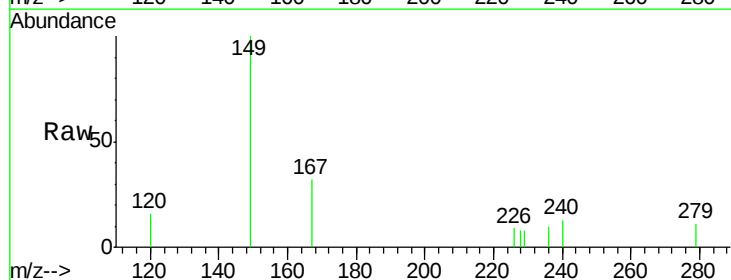
Tgt Ion:149 Resp: 519

Ion Ratio Lower Upper

149 100

167 24.9 20.3 30.5

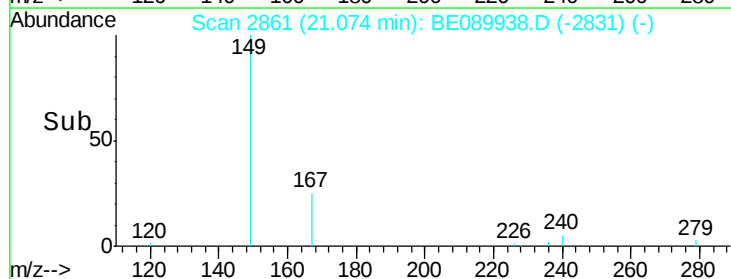
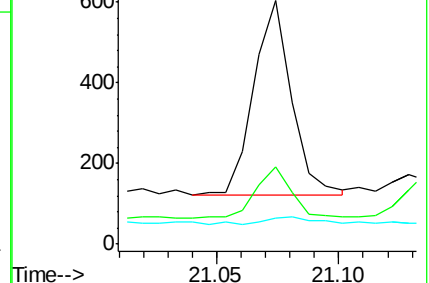
279 6.4 2.7 4.1#

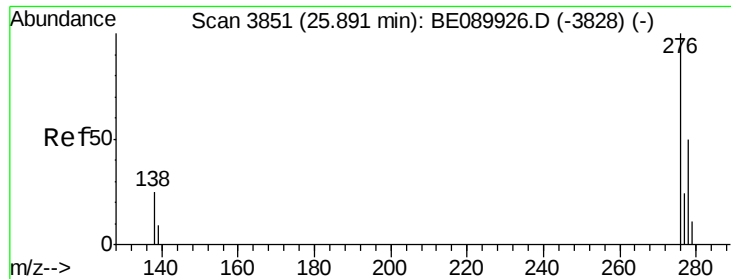


Abundance Ion 149.00 (148.70 to 149.70): E

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# 3849

Delta R.T. -0.01 min

Lab File: BE089938.D

Acq: 24 Jun 2015 18:26

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LOD-SOIL2015-01

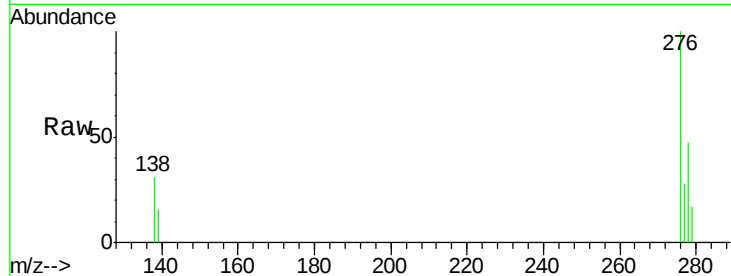
Tgt Ion:276 Resp: 2676

Ion Ratio Lower Upper

276 100

138 28.0 0.0 0.0#

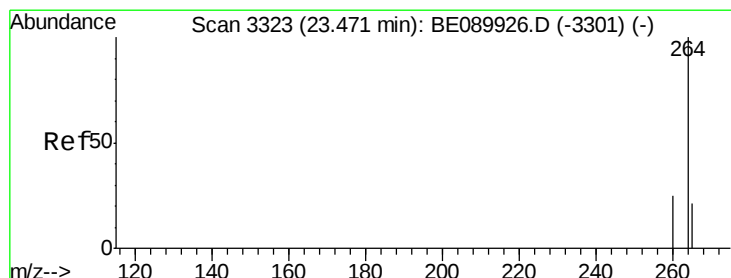
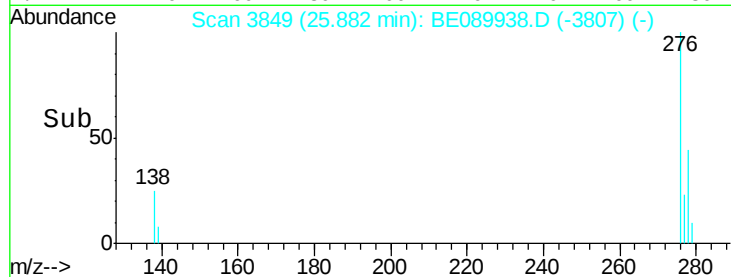
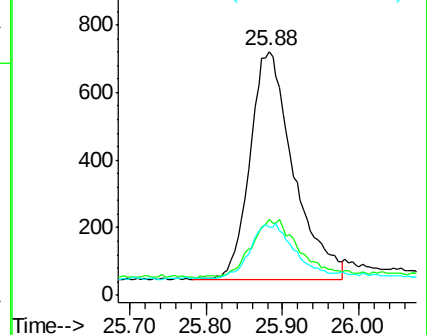
277 24.5 0.0 0.0#



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: 23.46 min Scan# 3322

Delta R.T. -0.01 min

Lab File: BE089938.D

Acq: 24 Jun 2015 18:26

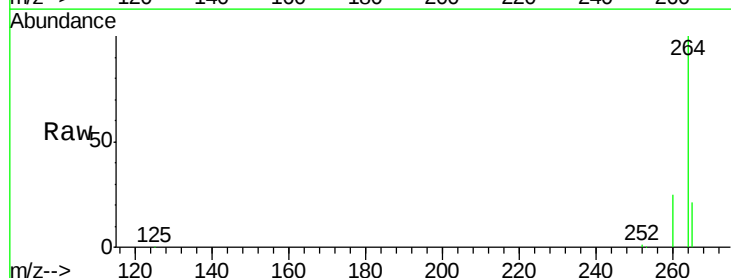
Tgt Ion:264 Resp: 232090

Ion Ratio Lower Upper

264 100

260 25.2 19.8 29.6

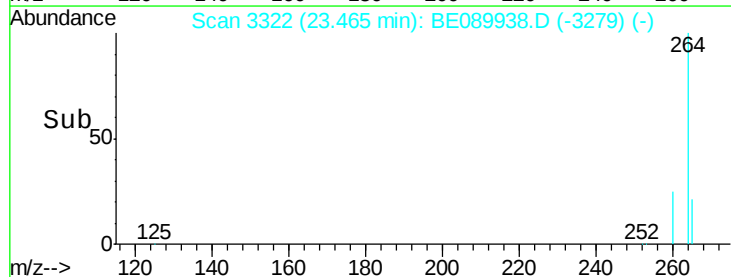
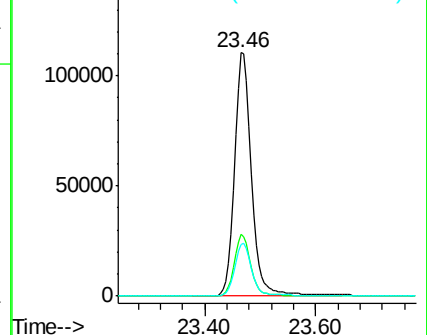
265 21.5 17.3 25.9

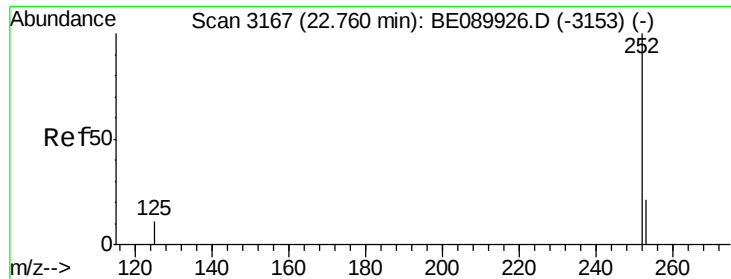


Abundance Ion 264.00 (263.70 to 264.70): E

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: 22.75 min Scan# 3166

Delta R.T. -0.01 min

Lab File: BE089938.D

Acq: 24 Jun 2015 18:26

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL2015-01

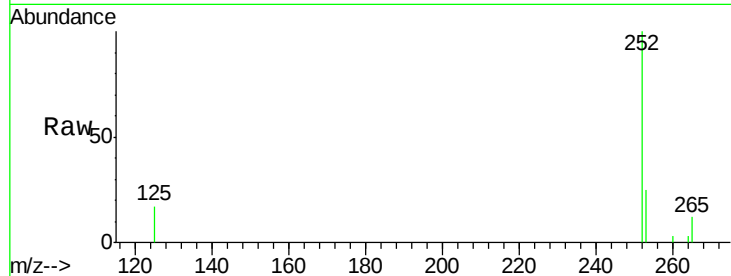
Tgt Ion:252 Resp: 3085

Ion Ratio Lower Upper

252 100

253 25.4 17.3 25.9

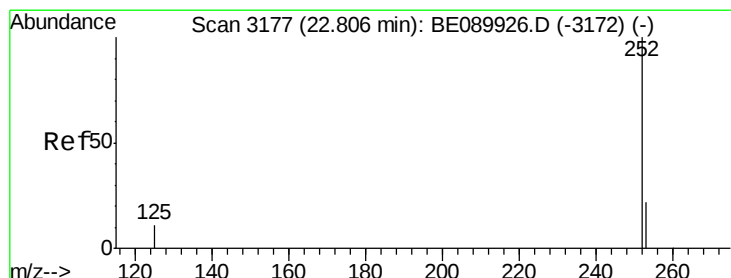
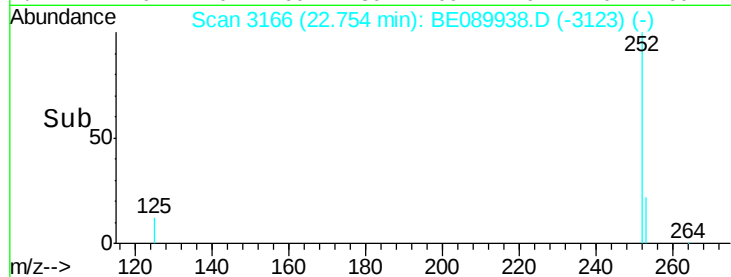
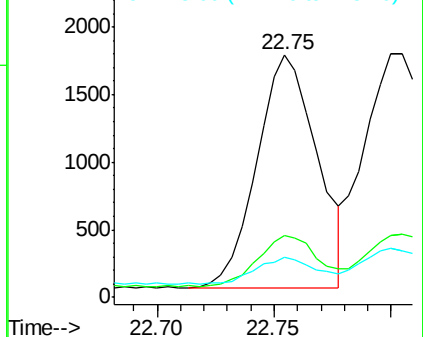
125 16.6 9.3 13.9#



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: 0.07 ng

RT: 22.80 min Scan# 3176

Delta R.T. -0.01 min

Lab File: BE089938.D

Acq: 24 Jun 2015 18:26

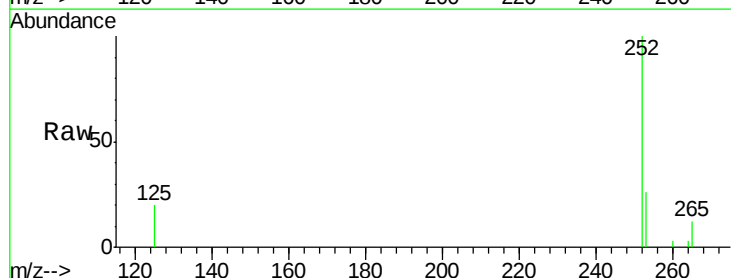
Tgt Ion:252 Resp: 3886

Ion Ratio Lower Upper

252 100

253 25.5 17.9 26.9

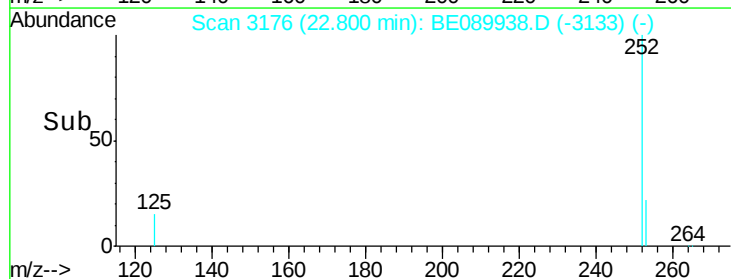
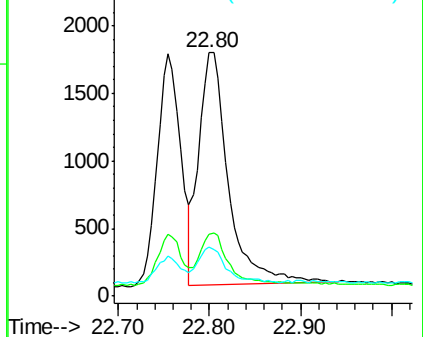
125 20.0 9.2 13.8#



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# 3298

Delta R.T. -0.01 min

Lab File: BE089938.D

Acq: 24 Jun 2015 18:26

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL2015-01

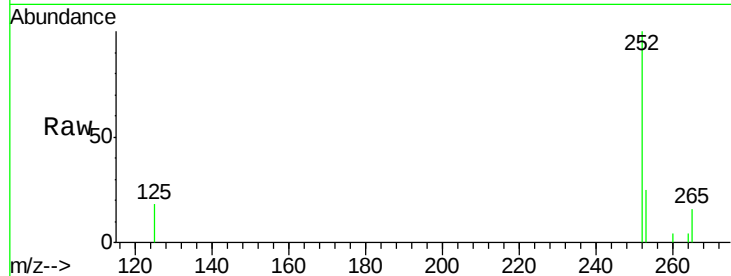
Tgt Ion:252 Resp: 2764

Ion Ratio Lower Upper

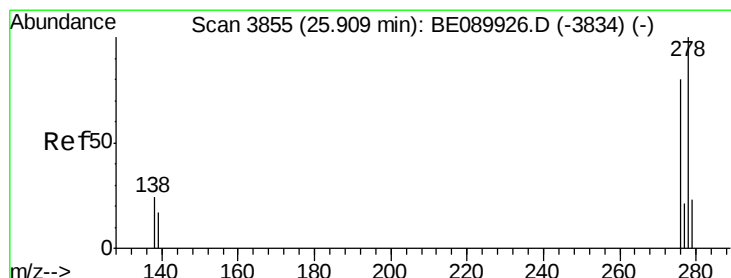
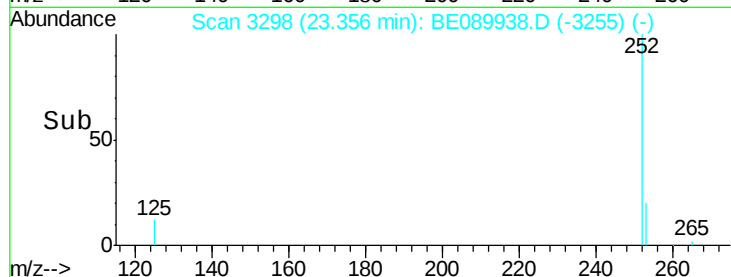
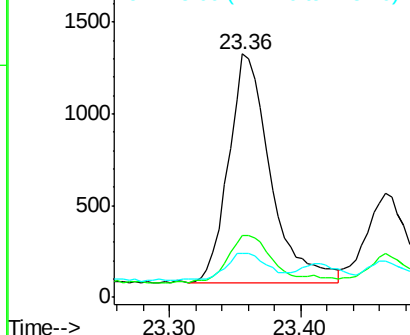
252 100

253 25.4 17.8 26.6

125 18.2 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: 25.91 min Scan# 3854

Delta R.T. -0.00 min

Lab File: BE089938.D

Acq: 24 Jun 2015 18:26

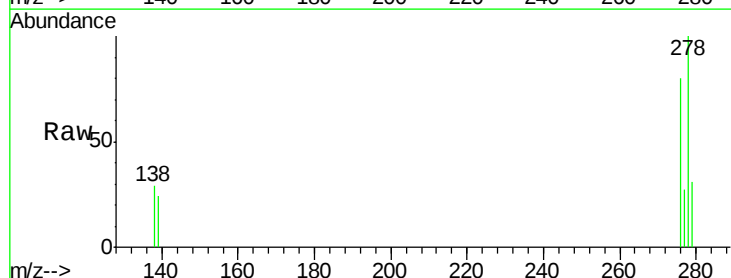
Tgt Ion:278 Resp: 2161

Ion Ratio Lower Upper

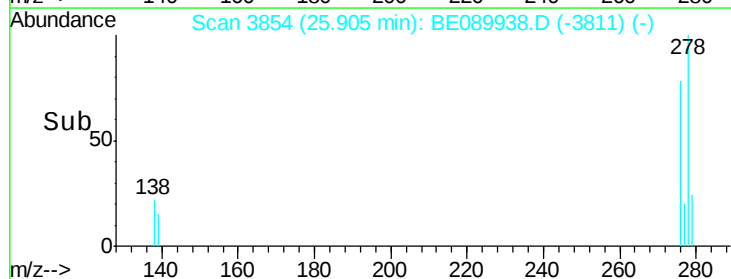
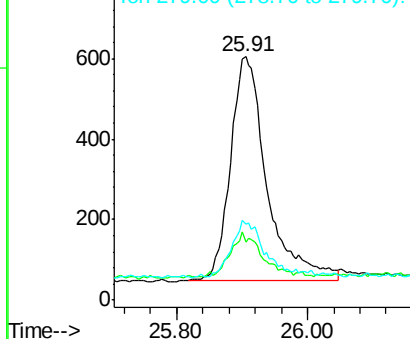
278 100

139 23.8 14.1 21.1#

279 31.4 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# 4011

Delta R.T. -0.00 min

Lab File: BE089938.D

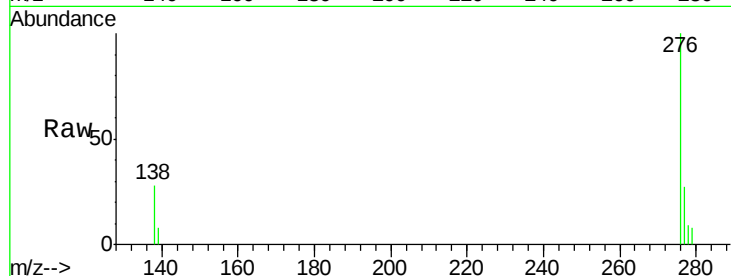
Acq: 24 Jun 2015 18:26

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL2015-01



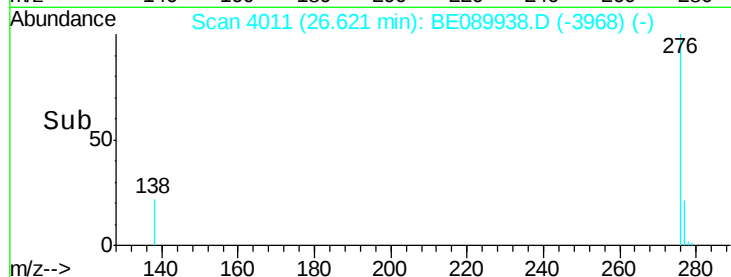
Tgt Ion: 276 Resp: 2593

Ion Ratio Lower Upper

276 100

277 26.5 19.0 28.4

138 28.1 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

