

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE092316\
 Data File : BE092420.D
 Acq On : 23 Sep 2016 17:59
 Operator : UM/SJ
 Sample : H4818-02
 Misc : LOQ
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LOQ-SOIL2016--02-QT4

Quant Time: Sep 23 19:28:22 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE092216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 22 18:25:56 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	7849	5.00	ng	-0.02
7) Naphthalene-d8	10.95	136	32087	5.00	ng	0.00
12) Acenaphthene-d10	14.81	164	21300	5.00	ng	0.00
18) Phenanthrene-d10	17.58	188	43300	5.00	ng	0.02
24) Chrysene-d12	21.75	240	56912	5.00	ng	0.00
31) Perylene-d12	24.12	264	55868	5.00	ng	0.04

System Monitoring Compounds						
4) 2-Fluorophenol	5.67	112	16715	9.01	ng	-0.02
5) Phenol-d6	7.33	99	20813	7.88	ng	-0.02
8) Nitrobenzene-d5	9.34	82	8678	3.80	ng	-0.02
13) 2,4,6-Tribromophenol	16.32	330	4538	6.05	ng	0.00
14) 2-Fluorobiphenyl	13.45	172	22453	4.45	ng	0.00
26) Terphenyl-d14	20.19	244	31345	4.44	ng	0.02

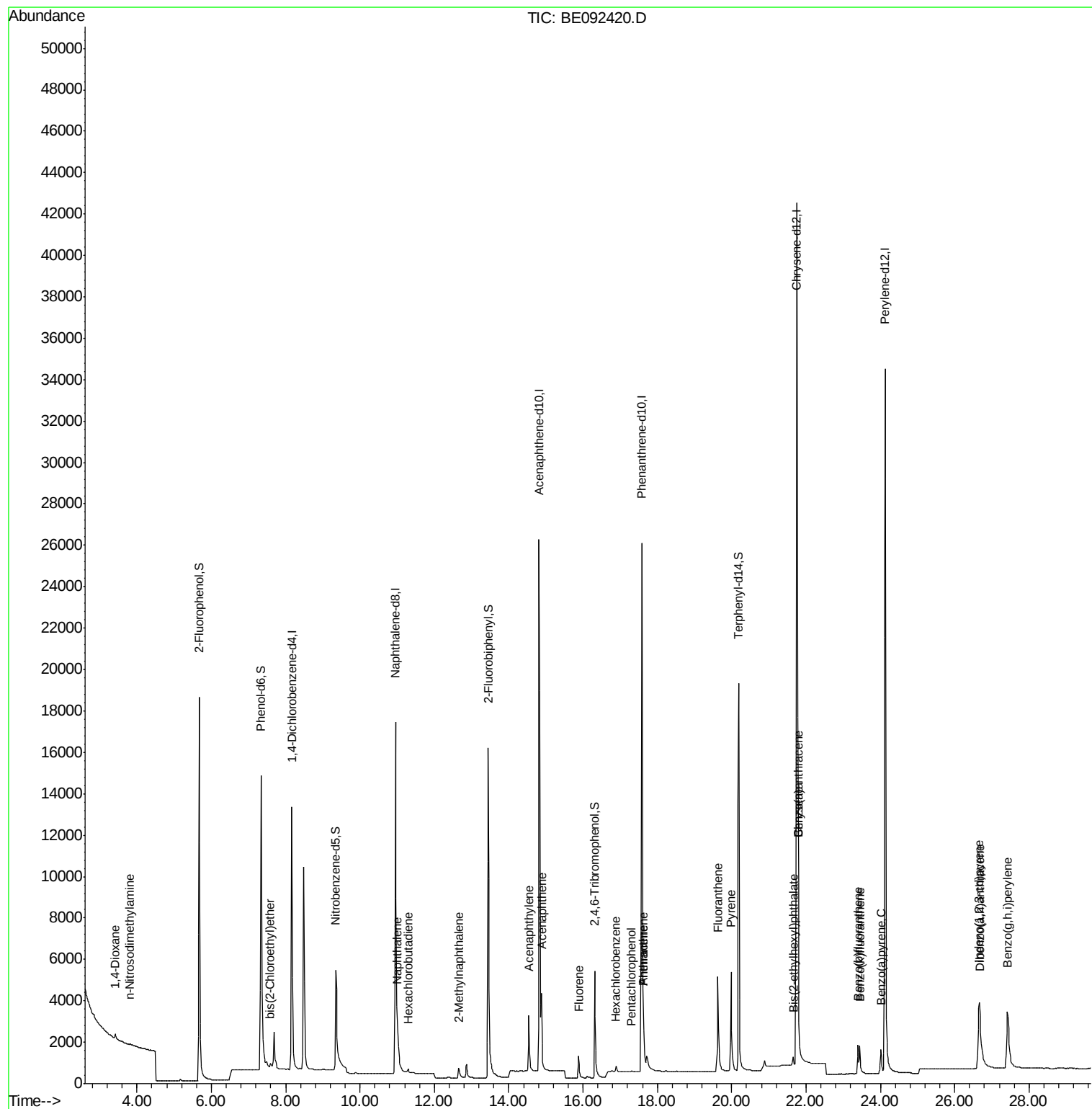
Target Compounds						Qvalue
2) 1,4-Dioxane	3.41	88	185	0.11	ng	# 46
3) n-Nitrosodimethylamine	3.82	42	108	0.28	ng	# 89
6) bis(2-Chloroethyl)ether	7.59	93	272	0.22	ng	# 88
9) Naphthalene	11.01	128	1199	0.17	ng	# 84
10) Hexachlorobutadiene	11.30	225	187	0.17	ng	99
11) 2-Methylnaphthalene	12.66	142	712	0.15	ng	94
15) Acenaphthylene	14.54	152	4861	0.16	ng	100
16) Acenaphthene	14.88	154	866	0.18	ng	93
17) Fluorene	15.88	166	959	0.16	ng	100
19) Hexachlorobenzene	16.89	284	300	0.16	ng	93
20) Pentachlorophenol	17.30	266	36	0.23	ng	# 78
21) Phenanthrene	17.63	178	1761	0.18	ng	96
22) Anthracene	17.63	178	1729	0.18	ng	99
23) Fluoranthene	19.63	202	8215	0.17	ng	98
25) Pyrene	19.99	202	7696	0.16	ng	99
27) Benzo(a)anthracene	21.79	228	19227	0.35	ng	# 86
28) Chrysene	21.79	228	19548	0.38	ng	# 68
29) Bis(2-ethylhexyl)phthalate	21.66	149	656	0.14	ng	# 73
30) Indeno(1,2,3-cd)pyrene	26.65	276	8444	0.16	ng	98
32) Benzo(b)fluoranthene	23.39	252	2101	0.16	ng	# 92
33) Benzo(k)fluoranthene	23.44	252	2434	0.17	ng	# 94
34) Benzo(a)pyrene	24.02	252	2156	0.16	ng	# 90
35) Dibenzo(a,h)anthracene	26.68	278	1759	0.14	ng	# 83
36) Benzo(g,h,i)perylene	27.42	276	8641	0.17	ng	# 88

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

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.16 min Scan# 576

Delta R.T. -0.02 min

Lab File: BE092420.D

Acq: 23 Sep 2016 17:59

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016--02-QT4

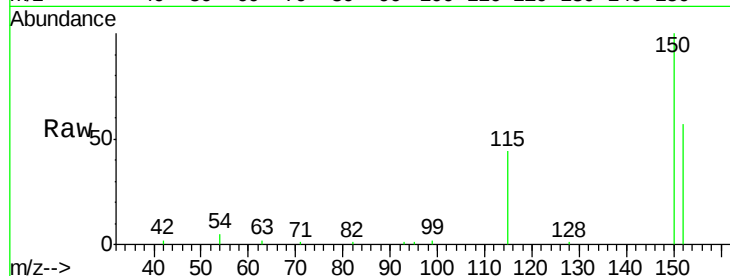
Tgt Ion:152 Resp: 7849

Ion Ratio Lower Upper

152 100

150 174.1 106.0 159.0#

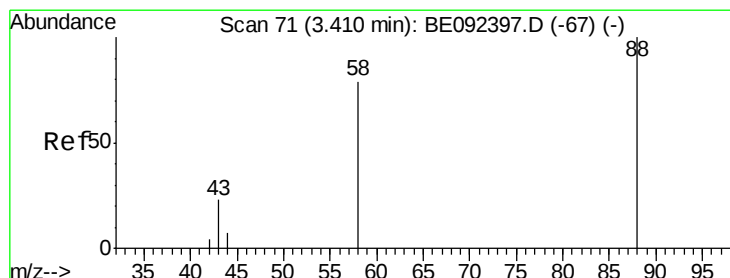
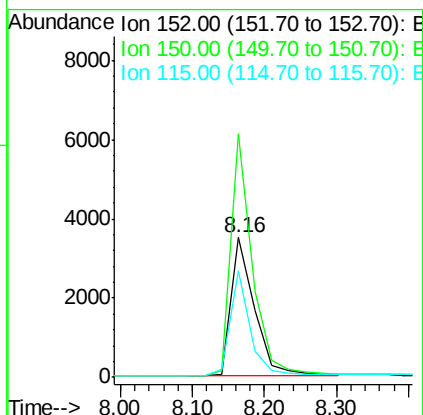
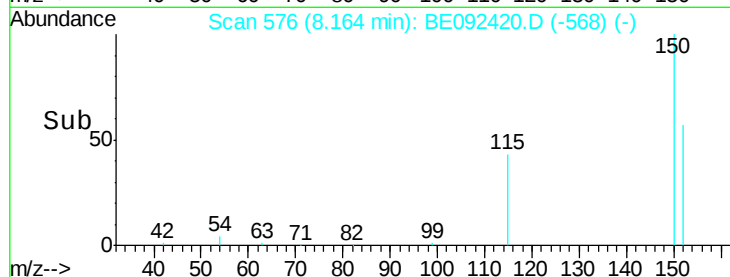
115 76.5 31.2 46.8#



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: 0.11 ng

RT: 3.41 min Scan# 71

Delta R.T. -0.01 min

Lab File: BE092420.D

Acq: 23 Sep 2016 17:59

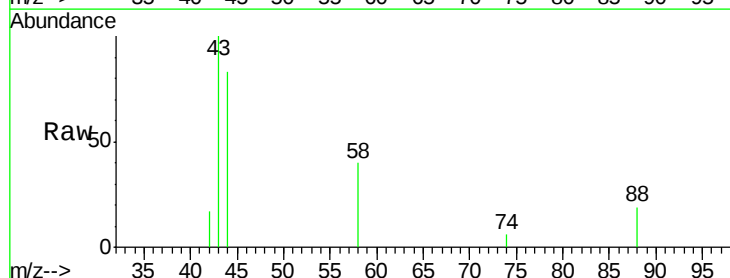
Tgt Ion: 88 Resp: 185

Ion Ratio Lower Upper

88 100

58 124.3 63.6 95.4#

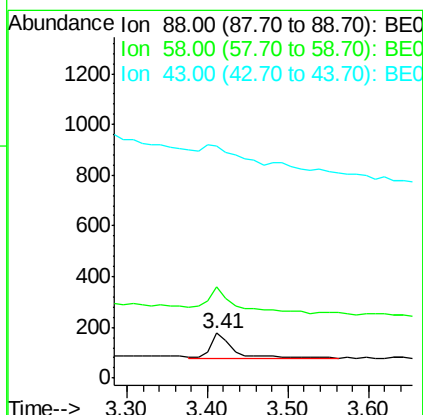
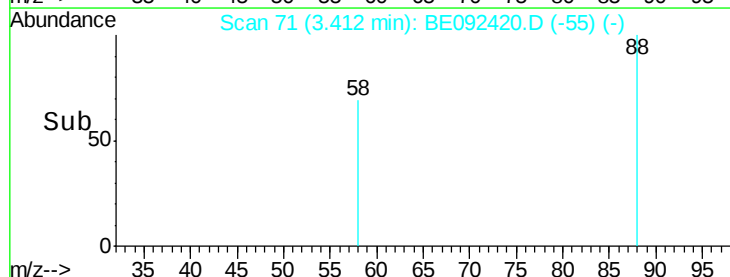
43 0.0 28.0 42.0#

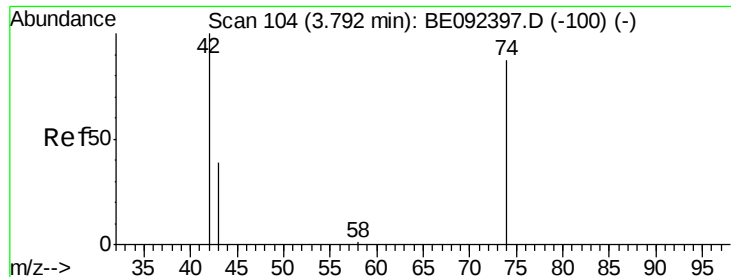


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.28 ng

RT: 3.82 min Scan# 106

Delta R.T. 0.01 min

Lab File: BE092420.D

Acq: 23 Sep 2016 17:59

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016--02-QT4

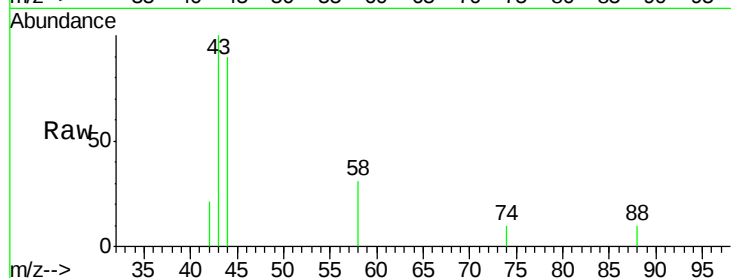
Tgt Ion: 42 Resp: 108

Ion Ratio Lower Upper

42 100

74 118.5 86.0 129.0

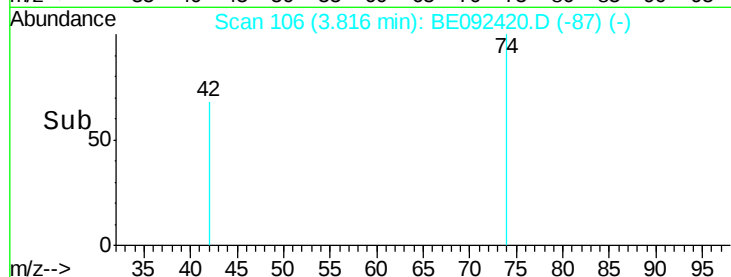
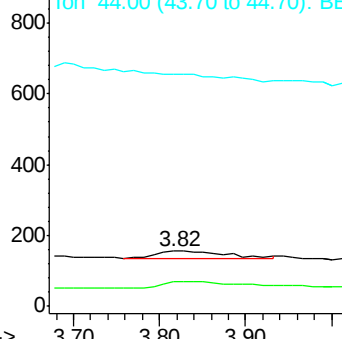
44 0.0 5.1 7.7#



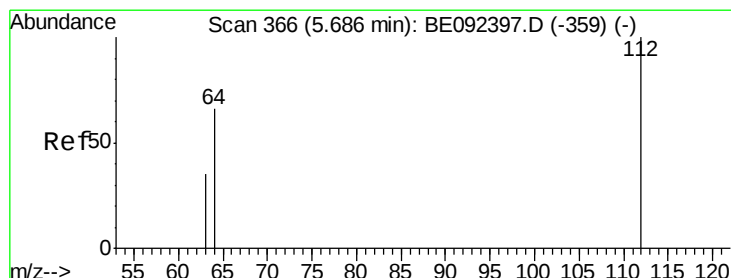
Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



Time-->



#4

2-Fluorophenol

Concen: 9.01 ng

RT: 5.67 min Scan# 363

Delta R.T. -0.02 min

Lab File: BE092420.D

Acq: 23 Sep 2016 17:59

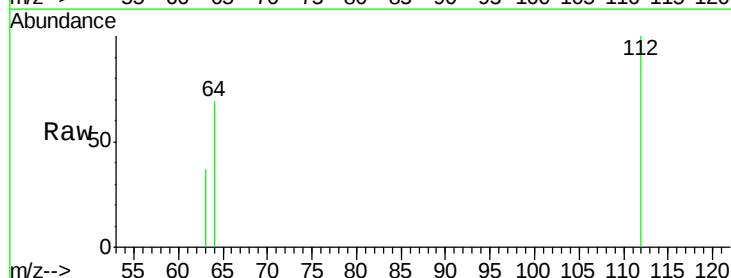
Tgt Ion: 112 Resp: 16715

Ion Ratio Lower Upper

112 100

64 67.2 53.5 80.3

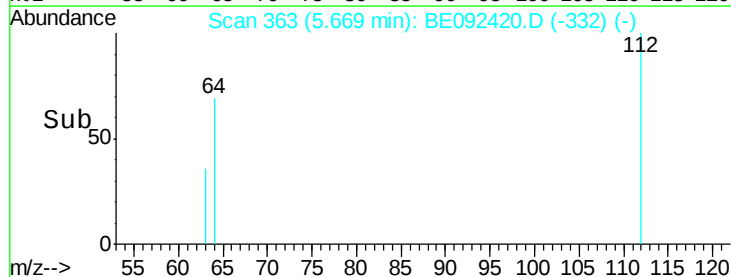
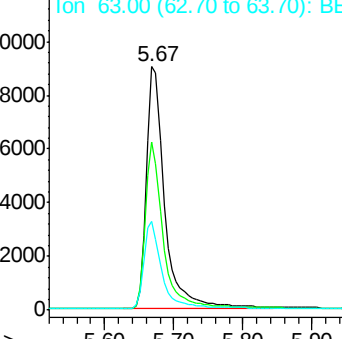
63 35.8 27.9 41.9



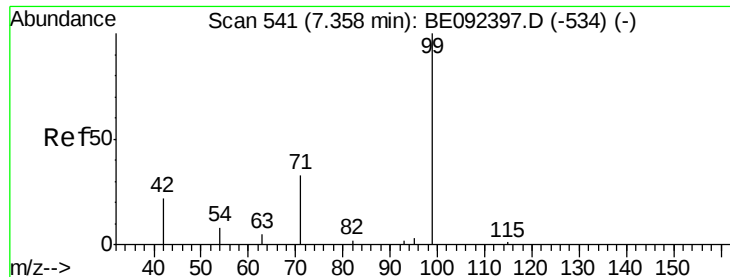
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



Time-->



#5

Phenol-d6

Concen: 7.88 ng

RT: 7.33 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092420.D

Acq: 23 Sep 2016 17:59

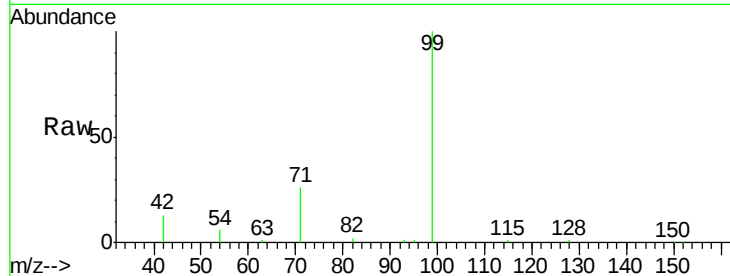
Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016--02-QT4

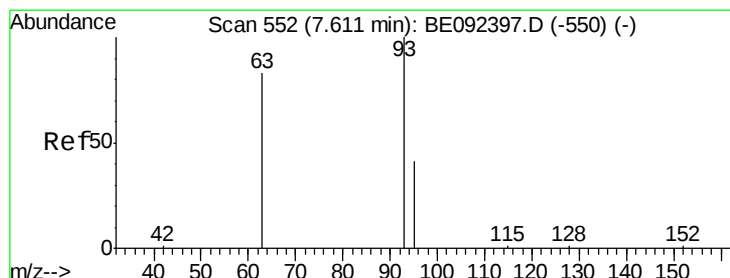
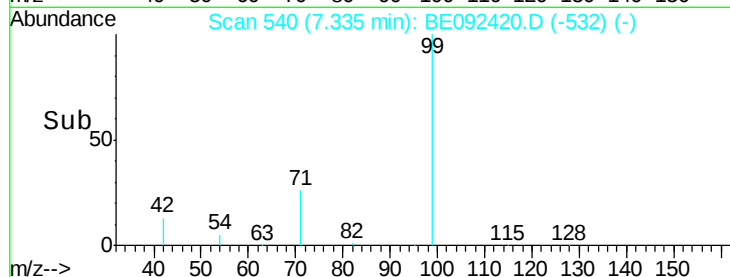
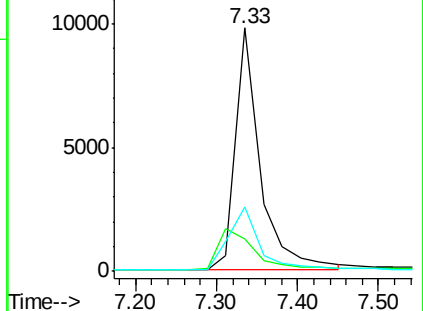
Tgt Ion:	99	Resp:	20813
Ion	Ratio	Lower	Upper
99	100		
42	0.0	16.0	24.0#
71	32.5	30.6	45.8



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.22 ng

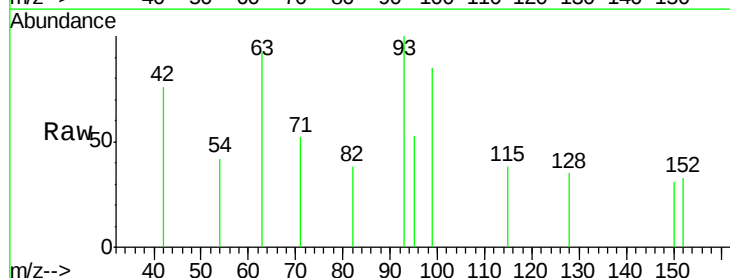
RT: 7.59 min Scan# 551

Delta R.T. -0.02 min

Lab File: BE092420.D

Acq: 23 Sep 2016 17:59

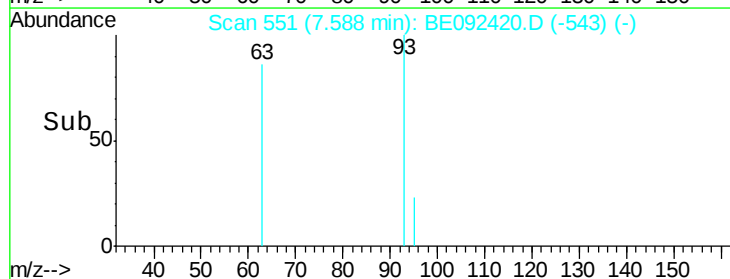
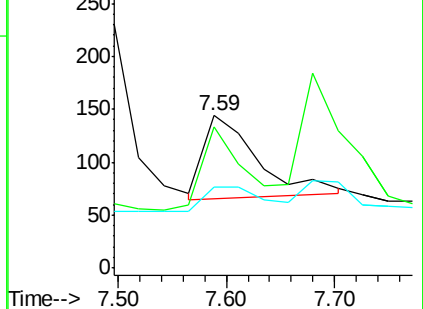
Tgt Ion:	93	Resp:	272
Ion	Ratio	Lower	Upper
93	100		
63	75.4	71.6	107.4
95	32.0	24.0	36.0

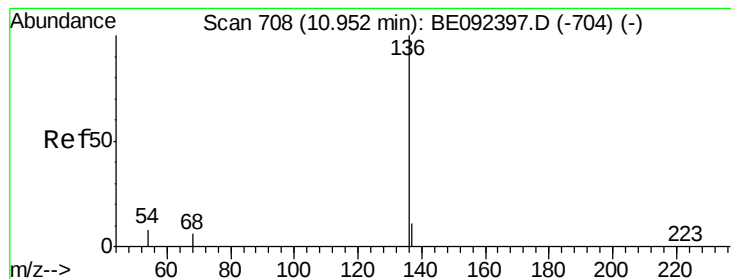


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.95 min Scan# 708

Delta R.T. 0.00 min

Lab File: BE092420.D

Acq: 23 Sep 2016 17:59

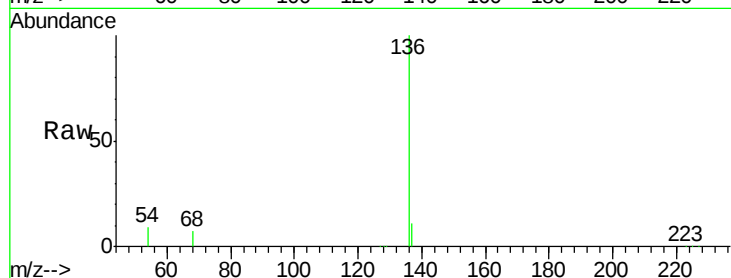
Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016--02-QT4

Tgt Ion:	136	Resp:	32087
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.2	12.4
54	9.5	9.6	14.4#
68	6.8	6.7	10.1

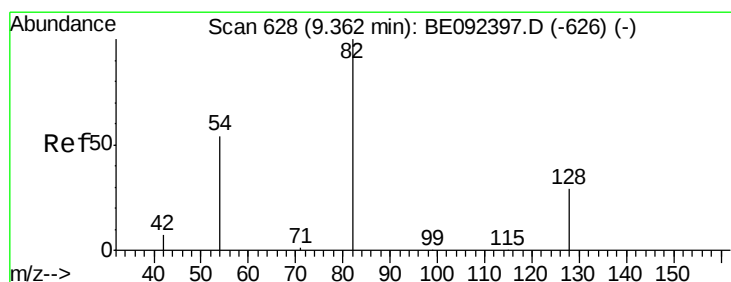
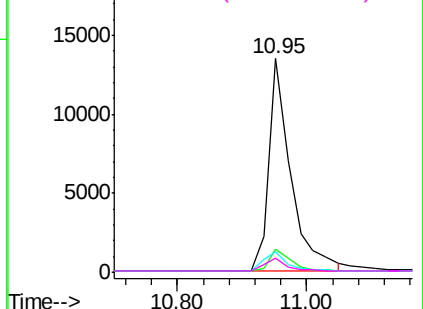
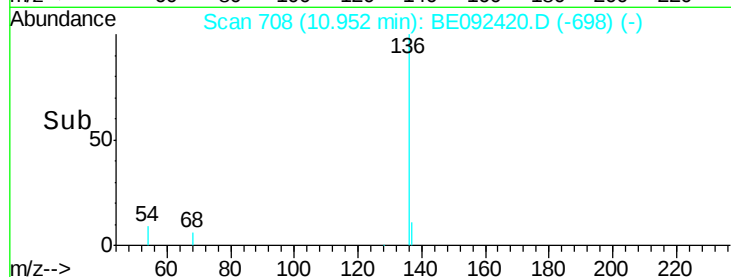


Abundance Ion 136.00 (135.70 to 136.70): E

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



#8

Nitrobenzene-d5

Concen: 3.80 ng

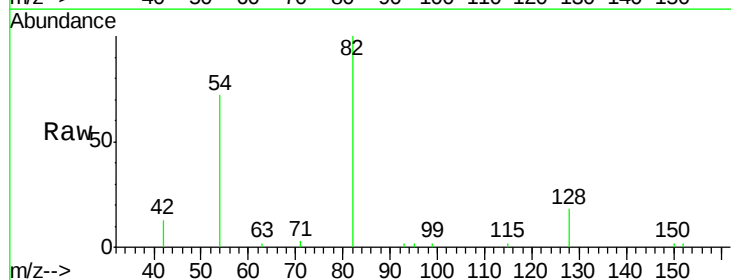
RT: 9.34 min Scan# 627

Delta R.T. -0.02 min

Lab File: BE092420.D

Acq: 23 Sep 2016 17:59

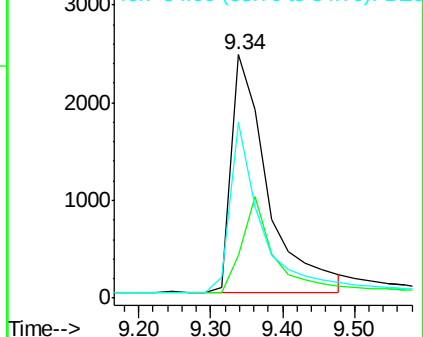
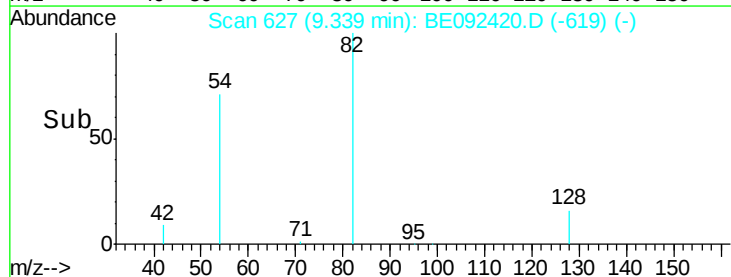
Tgt Ion:	82	Resp:	8678
Ion	Ratio	Lower	Upper
82	100		
128	17.6	39.0	58.4#
54	72.0	44.8	67.2#

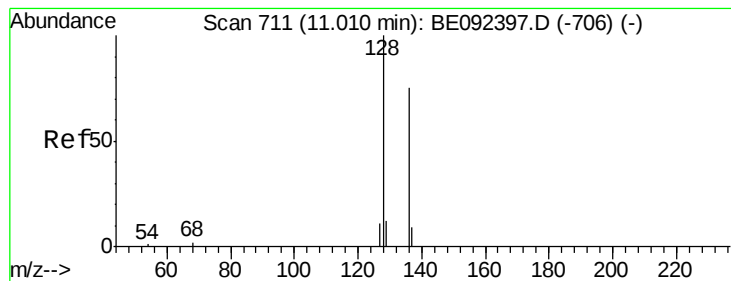


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.17 ng

RT: 11.01 min Scan# 711

Delta R.T. 0.00 min

Lab File: BE092420.D

Acq: 23 Sep 2016 17:59

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016--02-QT4

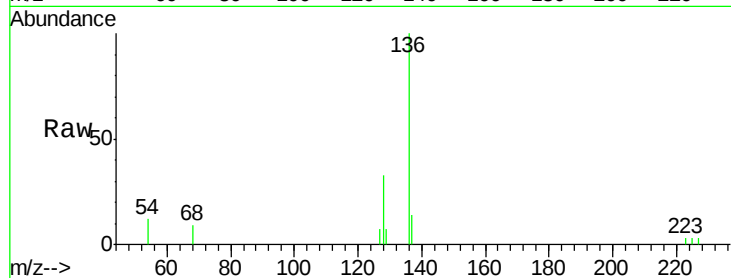
Tgt Ion:128 Resp: 1199

Ion Ratio Lower Upper

128 100

129 20.7 11.2 16.8#

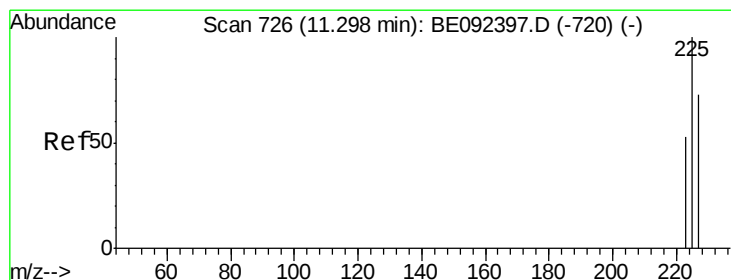
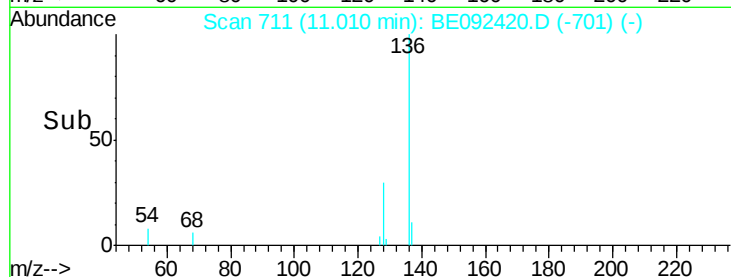
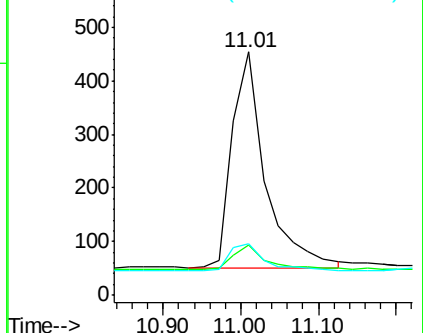
127 20.9 11.6 17.4#



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: 0.17 ng

RT: 11.30 min Scan# 726

Delta R.T. 0.00 min

Lab File: BE092420.D

Acq: 23 Sep 2016 17:59

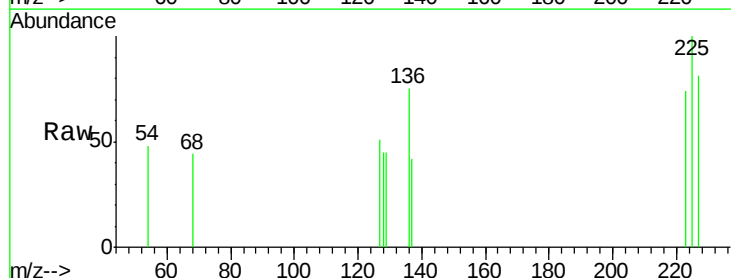
Tgt Ion:225 Resp: 187

Ion Ratio Lower Upper

225 100

223 64.2 50.6 76.0

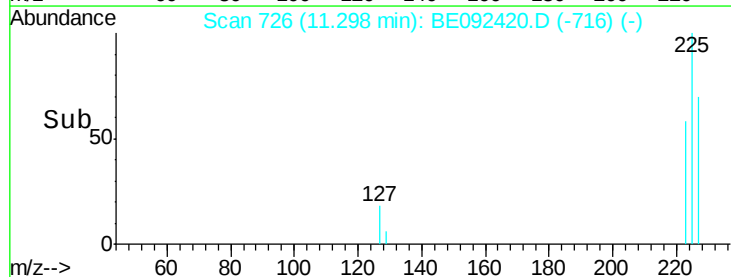
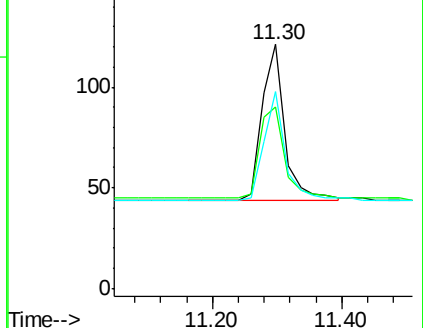
227 65.2 51.4 77.0

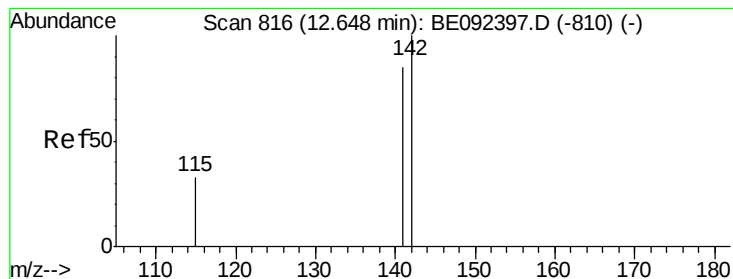


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene

Concen: 0.15 ng

RT: 12.66 min Scan# 817

Delta R.T. 0.01 min

Lab File: BE092420.D

Acq: 23 Sep 2016 17:59

Instrument :

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LOQ-SOIL2016--02-QT4

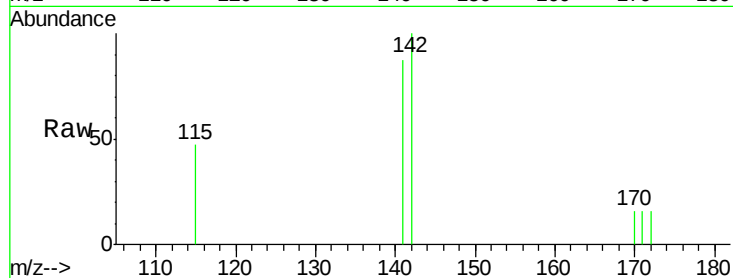
Tgt Ion:142 Resp: 712

Ion Ratio Lower Upper

142 100

141 87.2 73.7 110.5

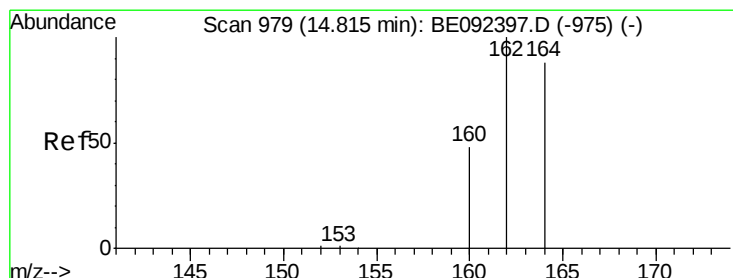
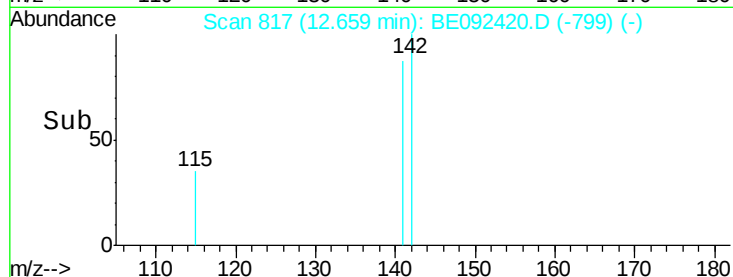
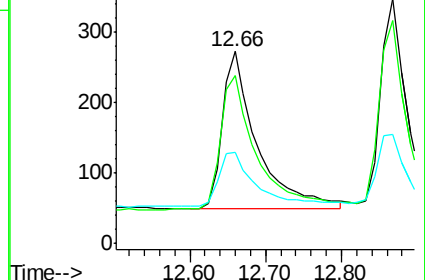
115 47.3 34.0 51.0



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: 14.81 min Scan# 979

Delta R.T. -0.00 min

Lab File: BE092420.D

Acq: 23 Sep 2016 17:59

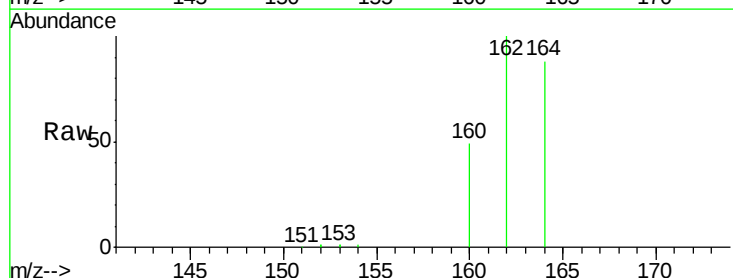
Tgt Ion:164 Resp: 21300

Ion Ratio Lower Upper

164 100

162 113.2 71.4 107.0#

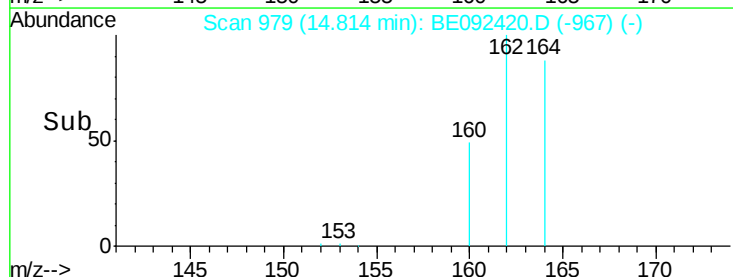
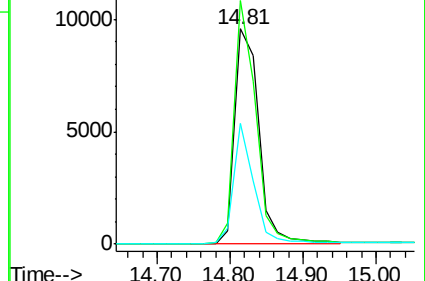
160 55.9 27.4 41.2#

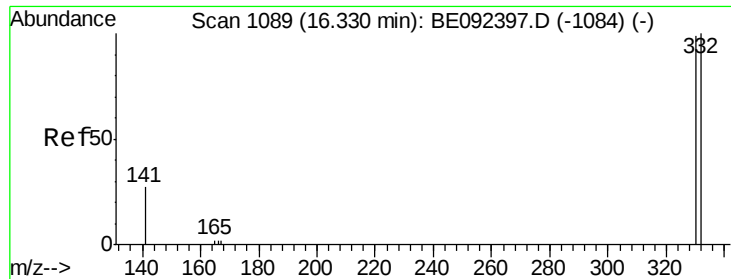


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

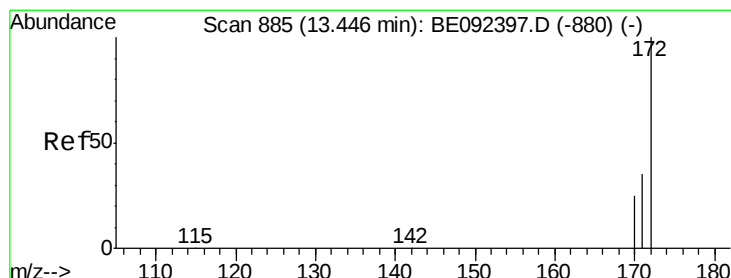
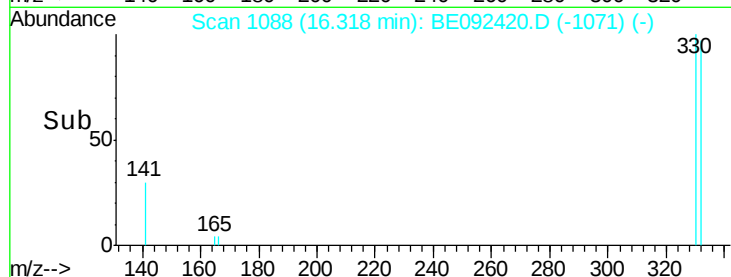
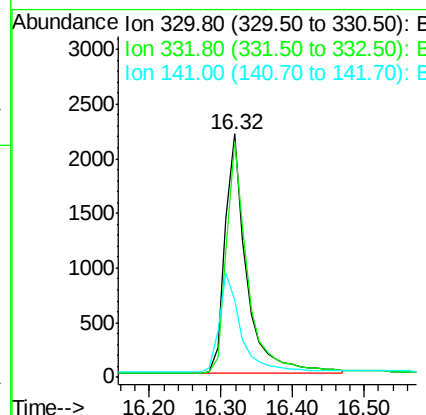
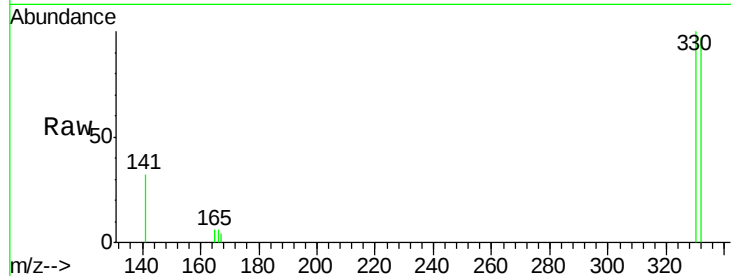




#13
 2,4,6-Tribromophenol
 Concen: 6.05 ng
 RT: 16.32 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: BE092420.D
 Acq: 23 Sep 2016 17:59

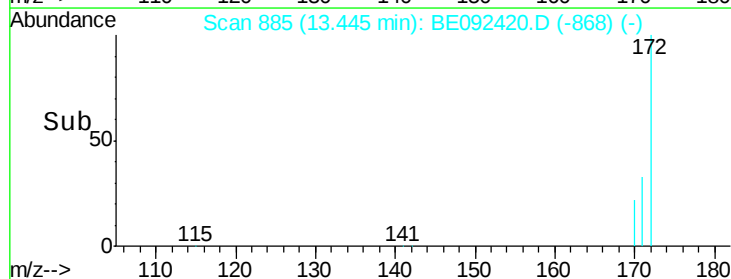
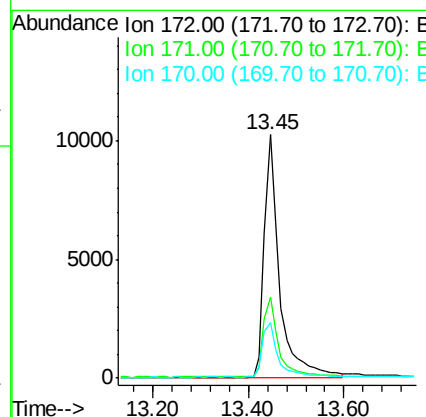
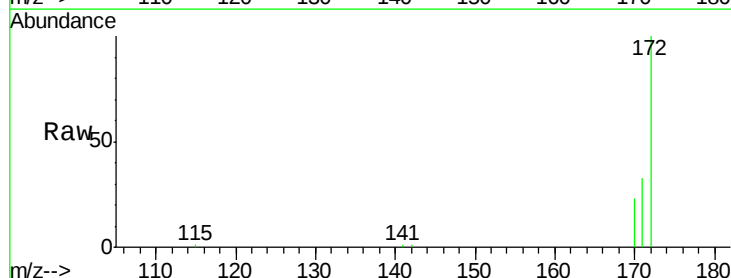
Instrument :
 BNA_E
 ClientSampleId :
 LOQ-SOIL2016--02-QT4

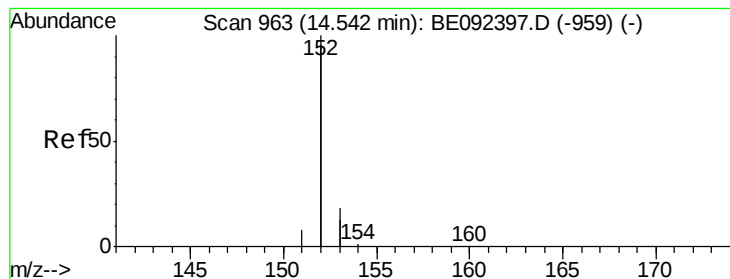
Tgt Ion:330 Resp: 4538
 Ion Ratio Lower Upper
 330 100
 332 96.2 75.4 113.0
 141 42.2 31.0 46.6



#14
 2-Fluorobiphenyl
 Concen: 4.45 ng
 RT: 13.45 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: BE092420.D
 Acq: 23 Sep 2016 17:59

Tgt Ion:172 Resp: 22453
 Ion Ratio Lower Upper
 172 100
 171 33.4 30.1 45.1
 170 22.7 21.8 32.6





#15

Acenaphthylene

Concen: 0.16 ng

RT: 14.54 min Scan# 963

Delta R.T. 0.02 min

Lab File: BE092420.D

Acq: 23 Sep 2016 17:59

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016--02-QT4

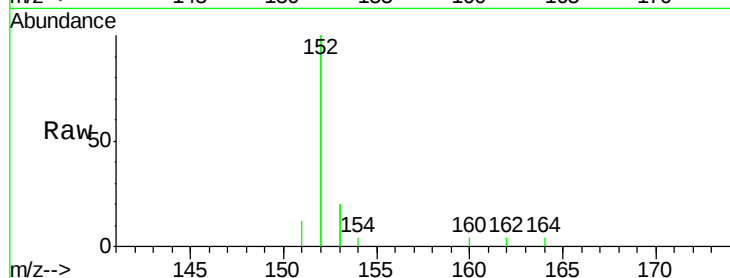
Tgt Ion:152 Resp: 4861

Ion Ratio Lower Upper

152 100

151 4.8 3.9 5.9

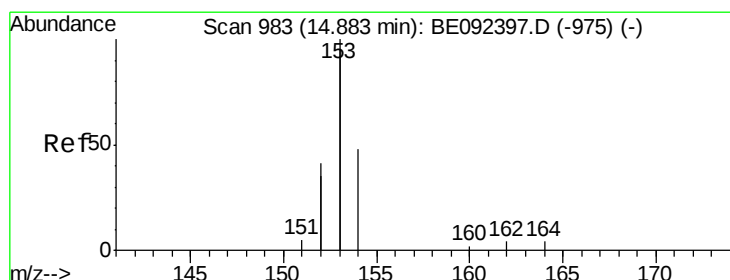
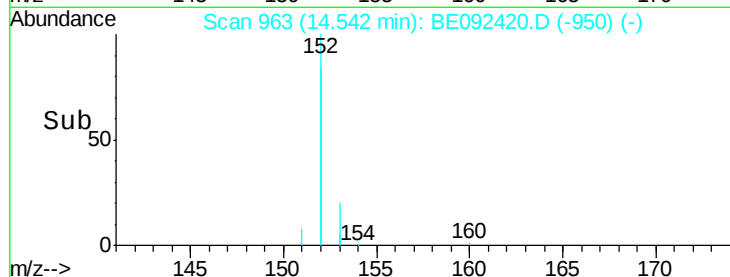
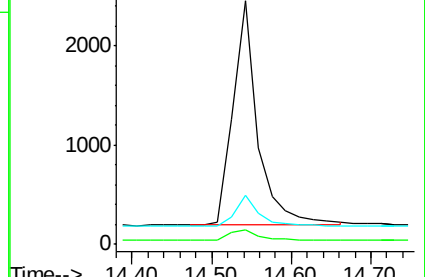
153 12.9 10.4 15.6



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: 0.18 ng

RT: 14.88 min Scan# 983

Delta R.T. -0.00 min

Lab File: BE092420.D

Acq: 23 Sep 2016 17:59

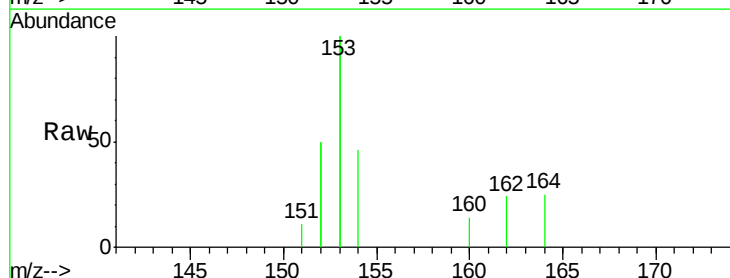
Tgt Ion:154 Resp: 866

Ion Ratio Lower Upper

154 100

153 417.3 350.8 526.2

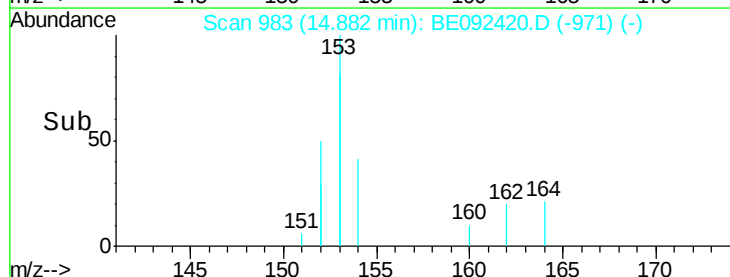
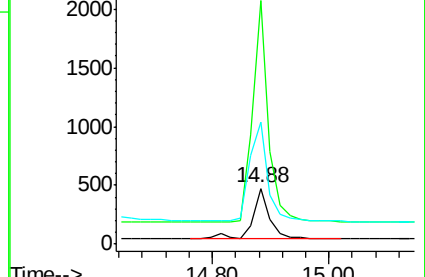
152 208.0 171.1 256.7



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

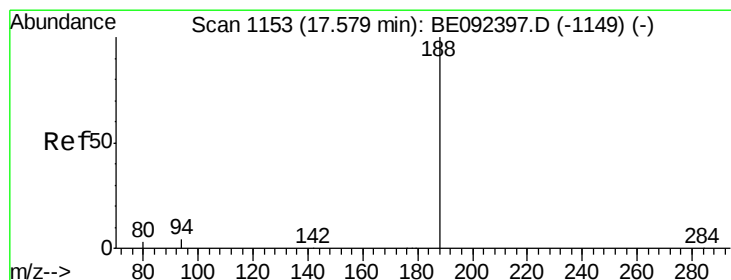
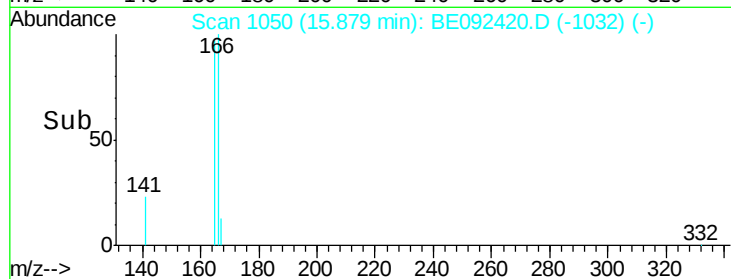
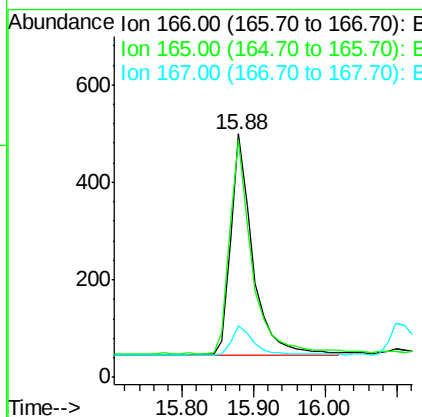
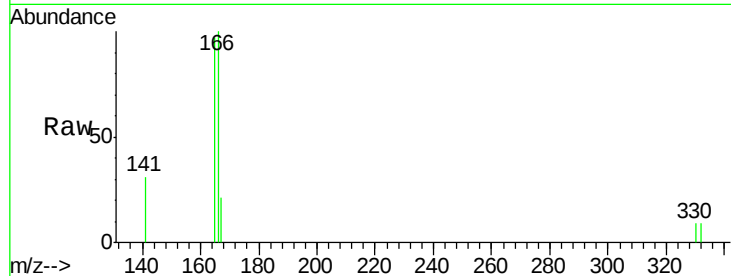




#17
Fluorene
 Concen: 0.16 ng
 RT: 15.88 min Scan# 1050
 Delta R.T. 0.01 min
 Lab File: BE092420.D
 Acq: 23 Sep 2016 17:59

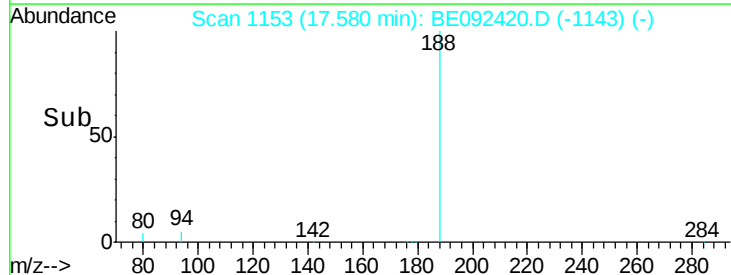
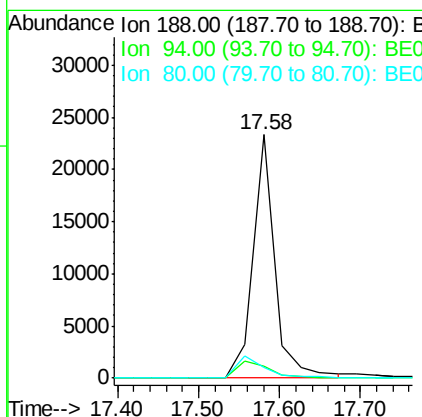
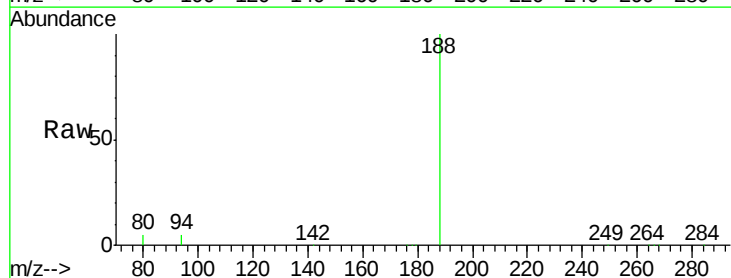
Instrument :
 BNA_E
 ClientSampleId :
 LOQ-SOIL2016--02-QT4

Tgt Ion:166 Resp: 959
 Ion Ratio Lower Upper
 166 100
 165 98.0 78.2 117.4
 167 14.1 11.0 16.4



#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.58 min Scan# 1153
 Delta R.T. 0.02 min
 Lab File: BE092420.D
 Acq: 23 Sep 2016 17:59

Tgt Ion:188 Resp: 43300
 Ion Ratio Lower Upper
 188 100
 94 5.1 3.2 4.8#
 80 4.6 2.6 3.8#

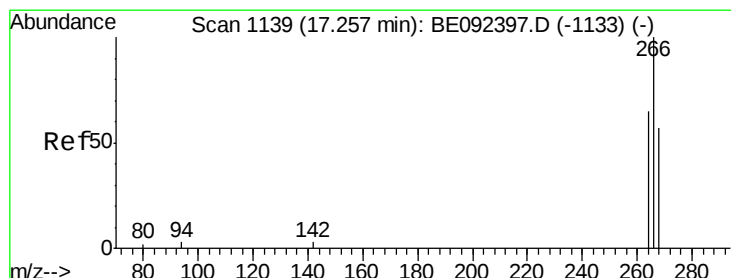
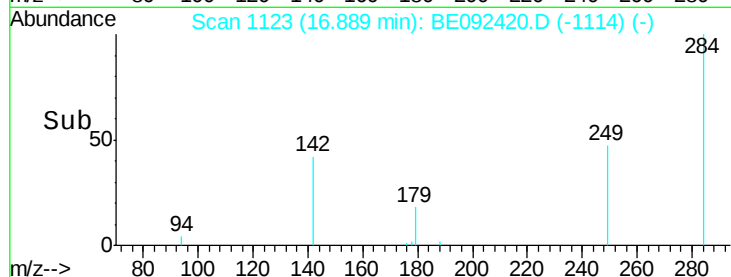
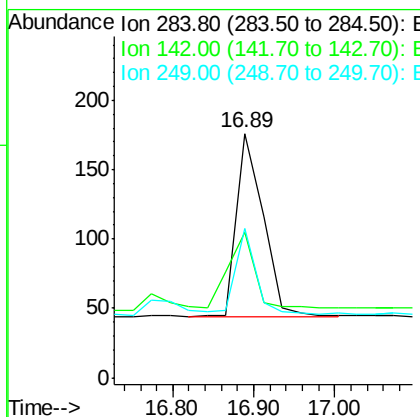
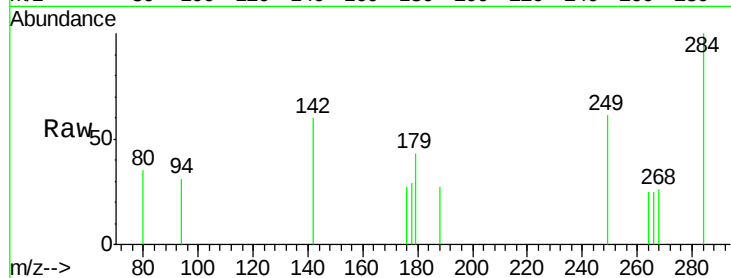




#19
Hexachlorobenzene
Concen: 0.16 ng
RT: 16.89 min Scan# 1123
Delta R.T. 0.00 min
Lab File: BE092420.D
Acq: 23 Sep 2016 17:59

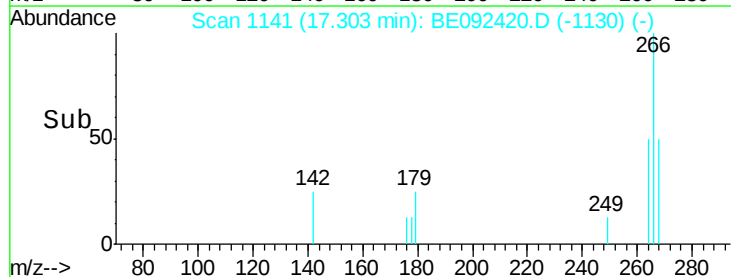
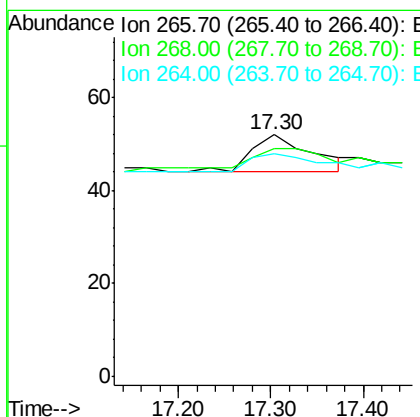
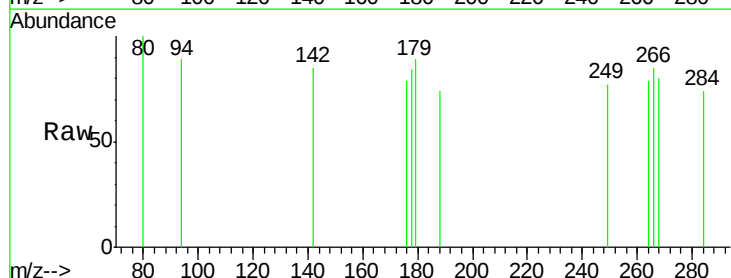
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016--02-QT4

Tgt Ion:284 Resp: 300
Ion Ratio Lower Upper
284 100
142 42.0 29.1 43.7
249 37.3 27.9 41.9



#20
Pentachlorophenol
Concen: 0.23 ng
RT: 17.30 min Scan# 1141
Delta R.T. 0.05 min
Lab File: BE092420.D
Acq: 23 Sep 2016 17:59

Tgt Ion:266 Resp: 36
Ion Ratio Lower Upper
266 100
268 94.2 62.5 93.7#
264 92.3 57.2 85.8#





#21

Phenanthrene

Concen: 0.18 ng

RT: 17.63 min Scan# 1155

Delta R.T. 0.02 min

Lab File: BE092420.D

Acq: 23 Sep 2016 17:59

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016--02-QT4

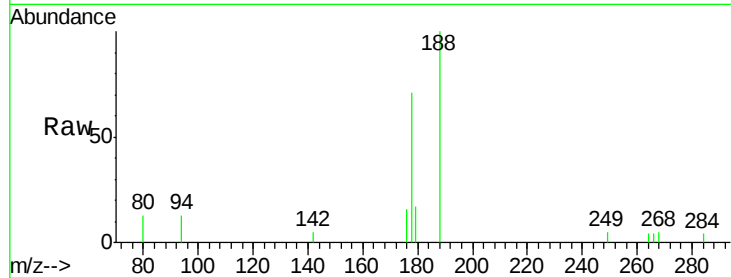
Tgt Ion:178 Resp: 1761

Ion Ratio Lower Upper

178 100

176 18.5 15.8 23.8

179 17.7 16.0 24.0



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

800

600

400

200

0

17.63

17.60

17.55

17.50

17.45

17.40

17.35

17.30

17.25

17.20

17.15

17.10

17.05

17.00

16.95

16.90

16.85

16.80

16.75

16.70

16.65

16.60

16.55

16.50

16.45

16.40

16.35

16.30

16.25

16.20

16.15

16.10

16.05

16.00

15.95

15.90

15.85

15.80

15.75

15.70

15.65

15.60

15.55

15.50

15.45

15.40

15.35

15.30

15.25

15.20

15.15

15.10

15.05

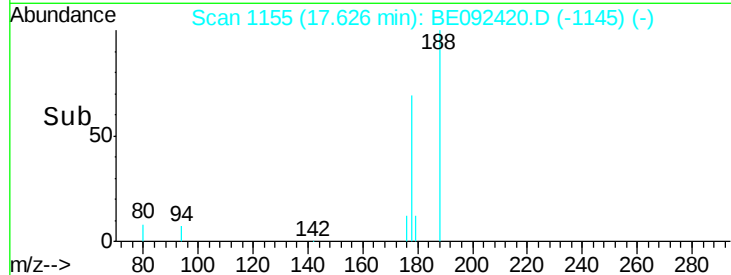
15.00

14.95

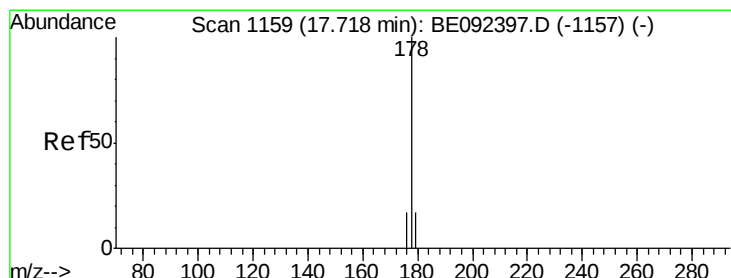
14.90

14.85

14.80



Time-->



#22

Anthracene

Concen: 0.18 ng

RT: 17.63 min Scan# 1155

Delta R.T. -0.07 min

Lab File: BE092420.D

Acq: 23 Sep 2016 17:59

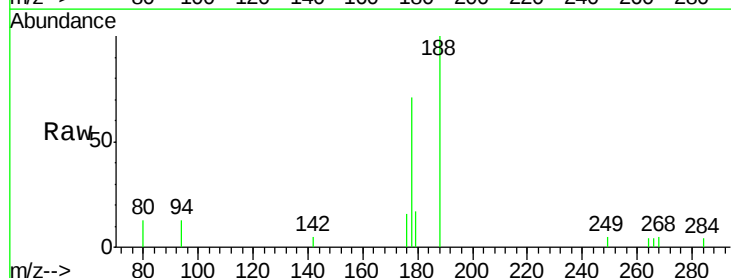
Tgt Ion:178 Resp: 1729

Ion Ratio Lower Upper

178 100

176 18.9 15.0 22.4

179 16.3 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

800

600

400

200

0

17.63

17.60

17.55

17.50

17.45

17.40

17.35

17.30

17.25

17.20

17.15

17.10

17.05

17.00

16.95

16.90

16.85

16.80

16.75

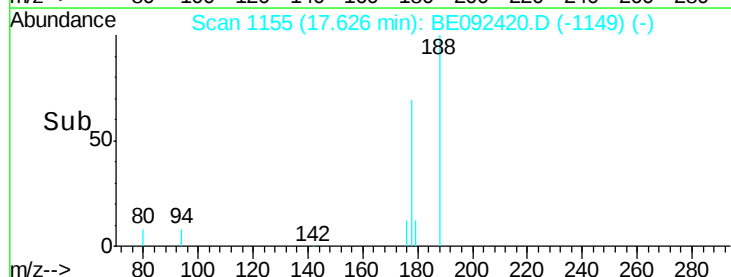
16.70

16.65

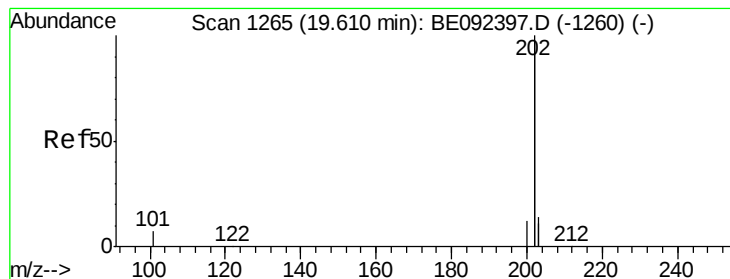
16.60

16.55

16.50



Time-->



#23

Fluoranthene

Concen: 0.17 ng

RT: 19.63 min Scan# 1266

Delta R.T. 0.02 min

Lab File: BE092420.D

Acq: 23 Sep 2016 17:59

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016--02-QT4

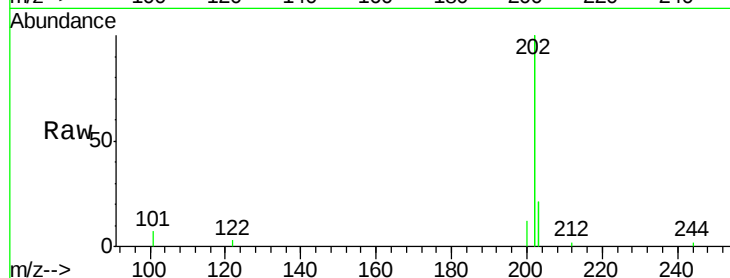
Tgt Ion:202 Resp: 8215

Ion Ratio Lower Upper

202 100

101 2.8 2.2 3.4

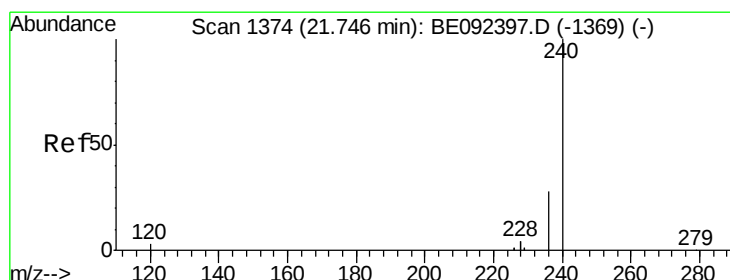
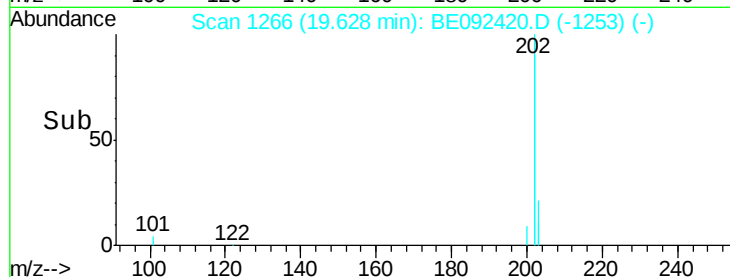
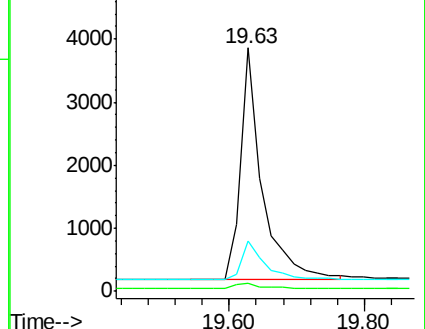
203 17.9 13.7 20.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.75 min Scan# 1374

Delta R.T. -0.00 min

Lab File: BE092420.D

Acq: 23 Sep 2016 17:59

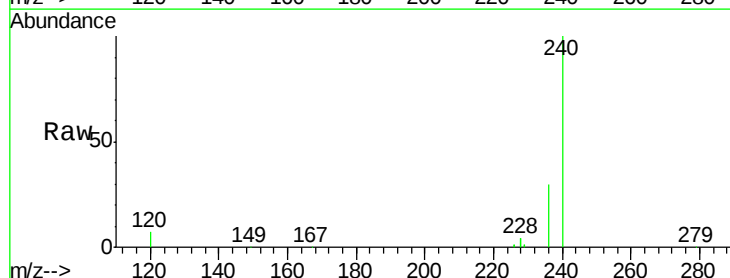
Tgt Ion:240 Resp: 56912

Ion Ratio Lower Upper

240 100

120 7.3 2.6 4.0#

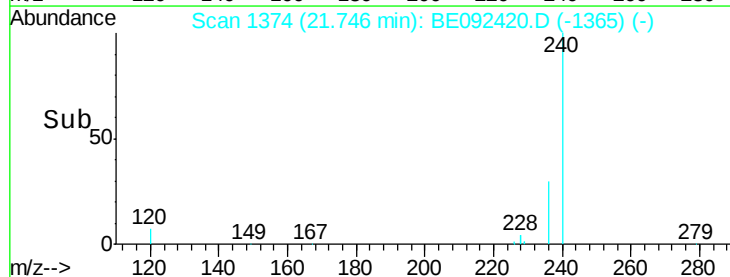
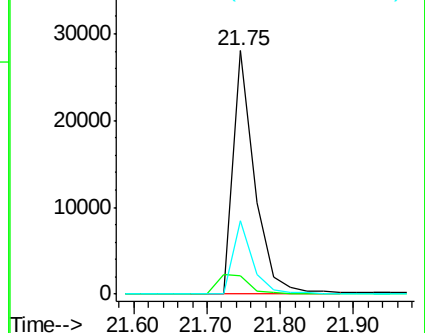
236 30.3 24.6 37.0



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





#25

Pyrene

Concen: 0.16 ng

RT: 19.99 min Scan# 1287

Delta R.T. 0.02 min

Lab File: BE092420.D

Acq: 23 Sep 2016 17:59

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016--02-QT4

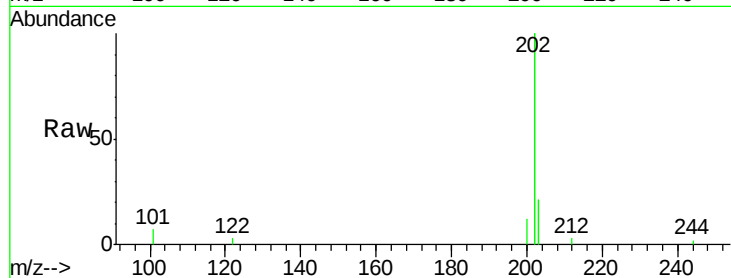
Tgt Ion:202 Resp: 7696

Ion Ratio Lower Upper

202 100

200 5.4 4.2 6.4

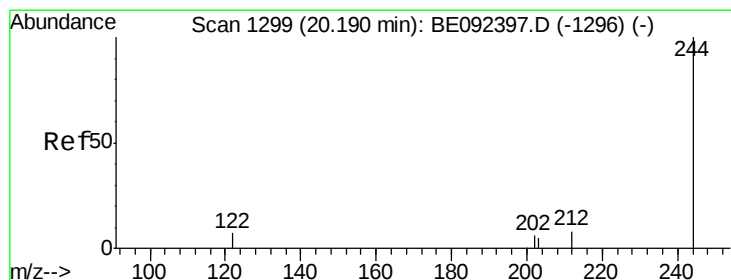
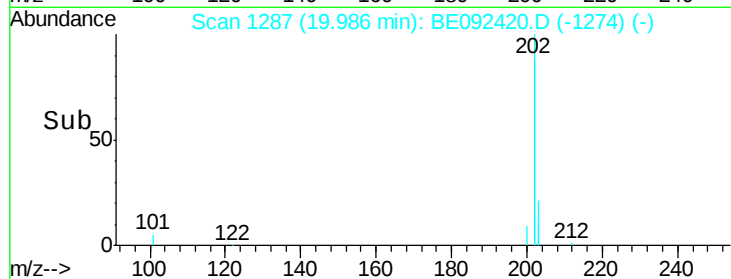
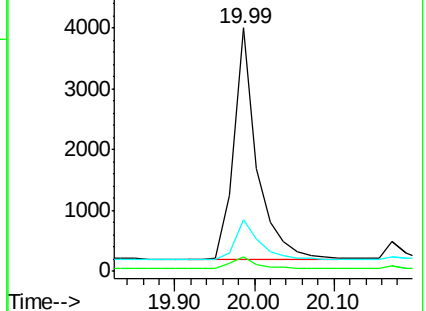
203 18.1 13.9 20.9



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



#26

Terphenyl-d14

Concen: 4.44 ng

RT: 20.19 min Scan# 1299

Delta R.T. 0.02 min

Lab File: BE092420.D

Acq: 23 Sep 2016 17:59

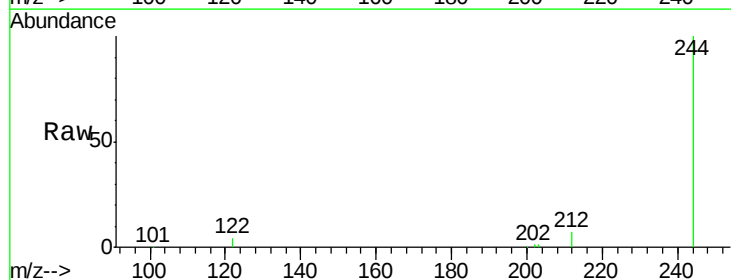
Tgt Ion:244 Resp: 31345

Ion Ratio Lower Upper

244 100

212 7.2 6.7 10.1

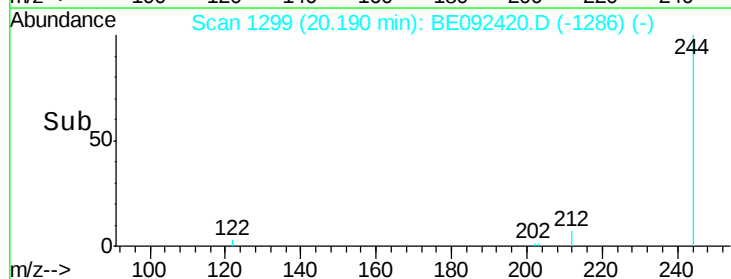
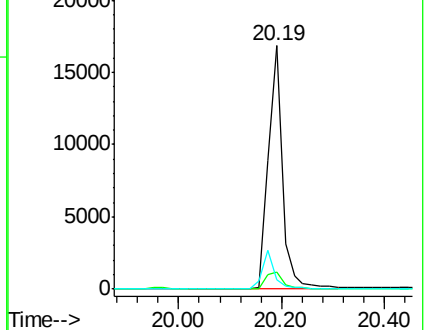
122 3.8 3.6 5.4



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

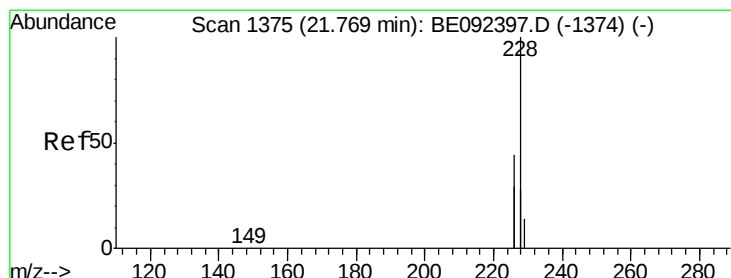
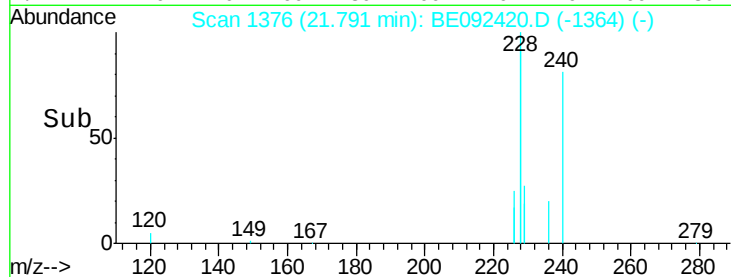
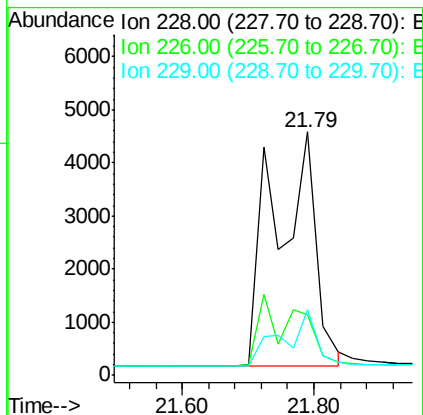
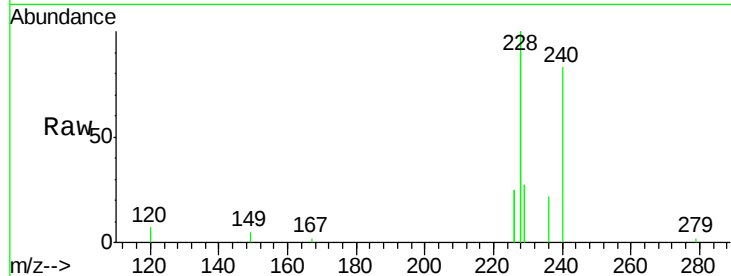




#27
Benzo(a)anthracene
Concen: 0.35 ng
RT: 21.79 min Scan# 1376
Delta R.T. 0.07 min
Lab File: BE092420.D
Acq: 23 Sep 2016 17:59

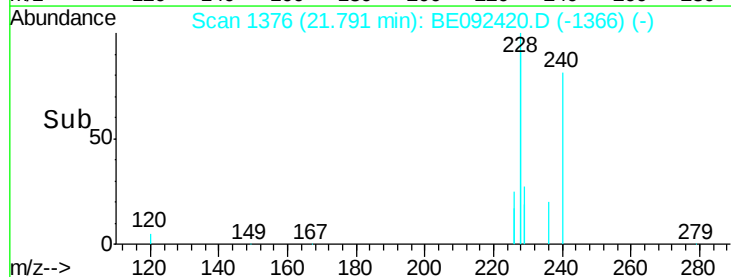
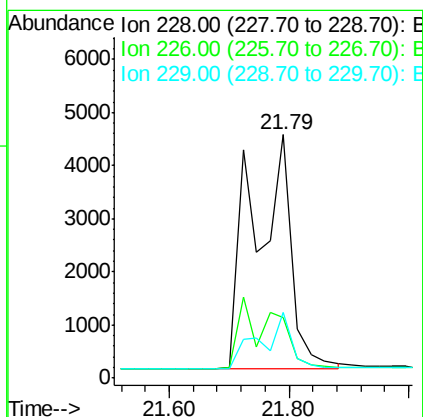
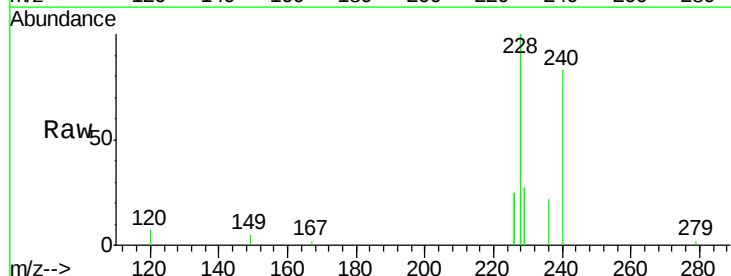
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016--02-QT4

Tgt Ion:228 Resp: 19227
Ion Ratio Lower Upper
228 100
226 25.0 23.6 35.4
229 26.8 13.3 19.9#



#28
Chrysene
Concen: 0.38 ng
RT: 21.79 min Scan# 1376
Delta R.T. 0.02 min
Lab File: BE092420.D
Acq: 23 Sep 2016 17:59

Tgt Ion:228 Resp: 19548
Ion Ratio Lower Upper
228 100
226 25.0 36.3 54.5#
229 26.8 10.6 16.0#





#29

Bis(2-ethylhexyl)phthalate

Concen: 0.14 ng

RT: 21.66 min Scan# 1370

Delta R.T. 0.02 min

Lab File: BE092420.D

Acq: 23 Sep 2016 17:59

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016--02-QT4

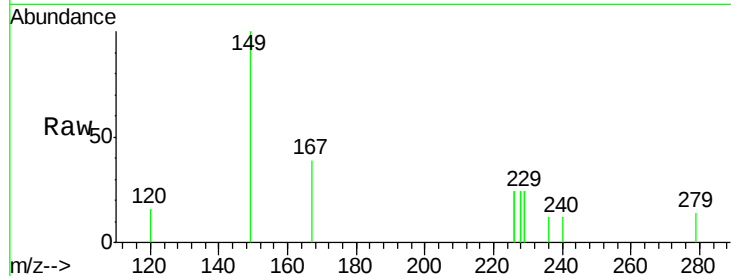
Tgt Ion:149 Resp: 656

Ion Ratio Lower Upper

149 100

167 27.1 16.0 24.0#

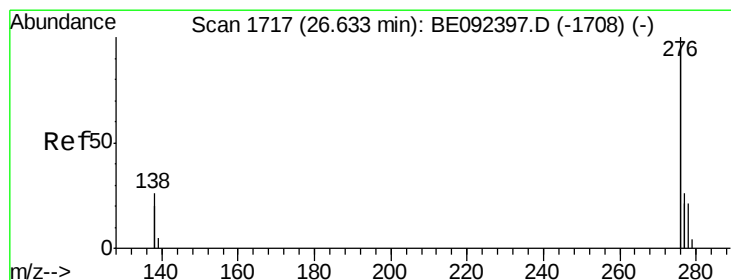
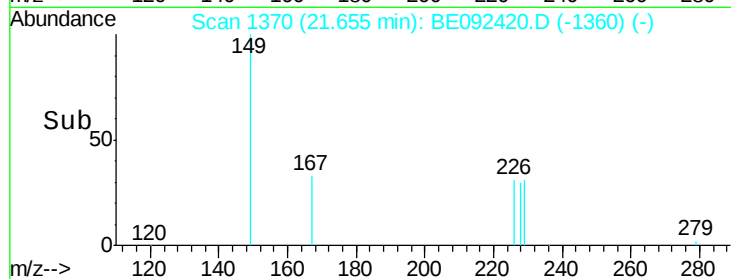
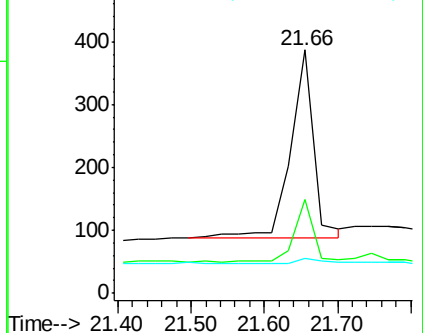
279 2.7 16.0 24.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#30

Indeno(1,2,3-cd)pyrene

Concen: 0.16 ng

RT: 26.65 min Scan# 1718

Delta R.T. 0.07 min

Lab File: BE092420.D

Acq: 23 Sep 2016 17:59

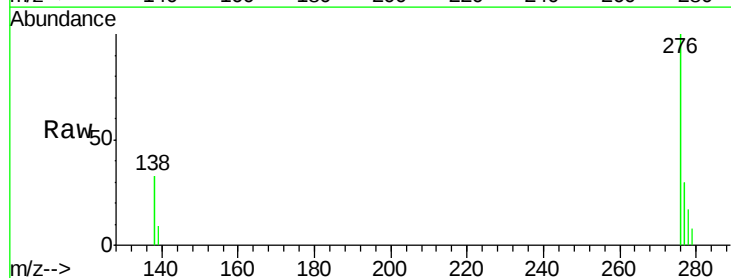
Tgt Ion:276 Resp: 8444

Ion Ratio Lower Upper

276 100

138 27.0 20.3 30.5

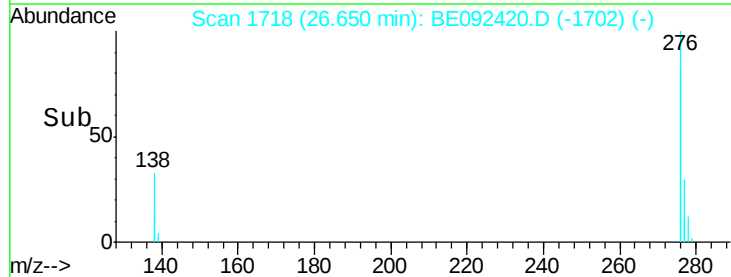
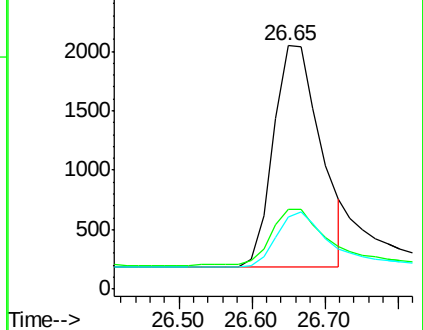
277 24.0 19.7 29.5



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

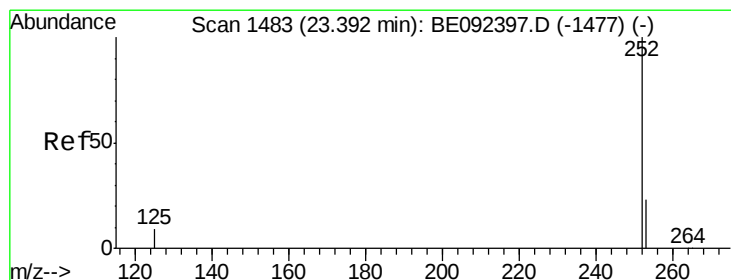
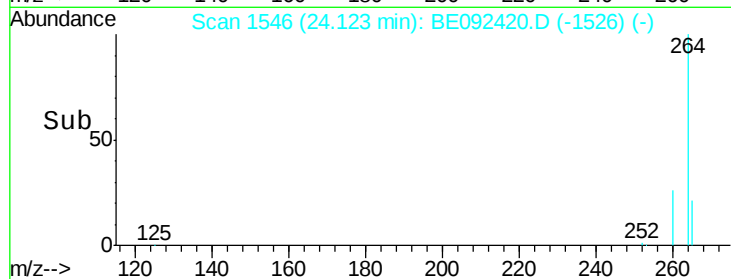
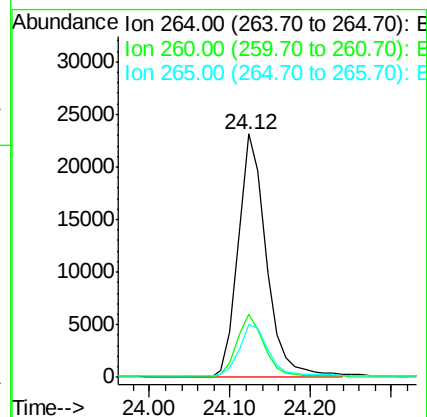
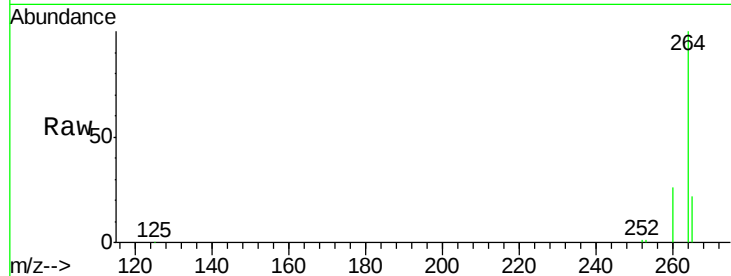




#31
Perylene-d12
Concen: 5.00 ng
RT: 24.12 min Scan# 1546
Delta R.T. 0.04 min
Lab File: BE092420.D
Acq: 23 Sep 2016 17:59

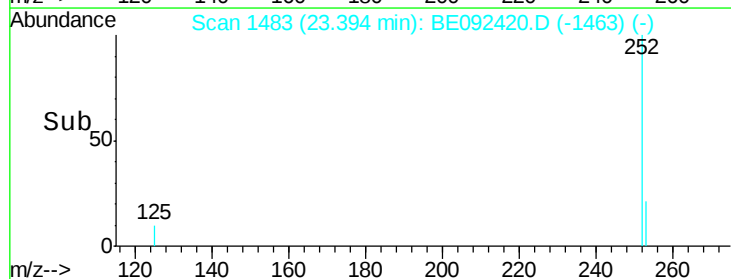
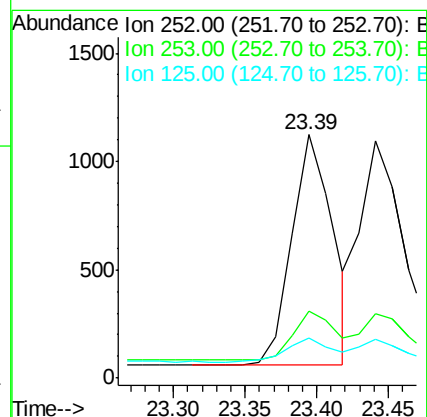
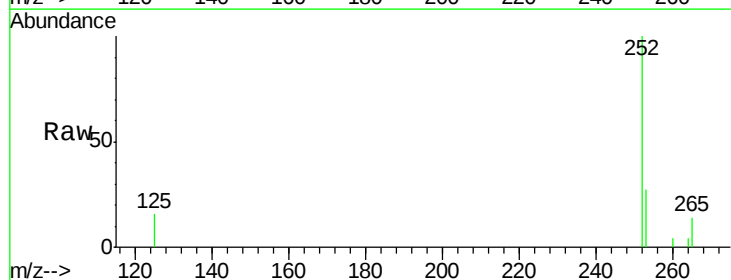
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016--02-QT4

Tgt Ion: 264 Resp: 55868
Ion Ratio Lower Upper
264 100
260 25.7 20.1 30.1
265 21.7 17.9 26.9



#32
Benzo(b)fluoranthene
Concen: 0.16 ng
RT: 23.39 min Scan# 1483
Delta R.T. 0.04 min
Lab File: BE092420.D
Acq: 23 Sep 2016 17:59

Tgt Ion: 252 Resp: 2101
Ion Ratio Lower Upper
252 100
253 27.3 18.7 28.1
125 16.3 10.5 15.7#





#33

Benzo(k)fluoranthene

Concen: 0.17 ng

RT: 23.44 min Scan# 1487

Delta R.T. 0.04 min

Lab File: BE092420.D

Acq: 23 Sep 2016 17:59

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016--02-QT4

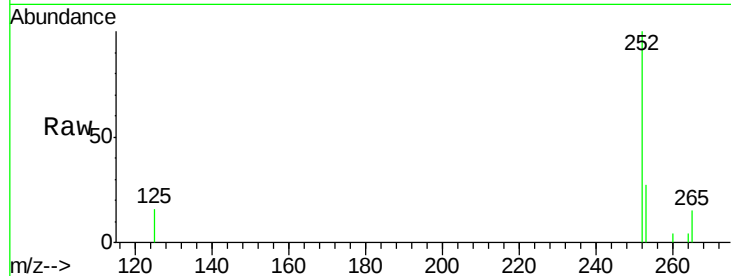
Tgt Ion:252 Resp: 2434

Ion Ratio Lower Upper

252 100

253 27.2 20.3 30.5

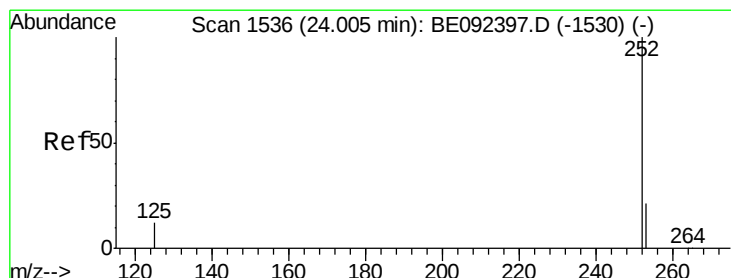
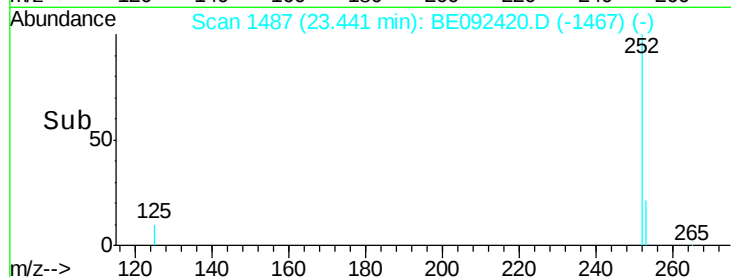
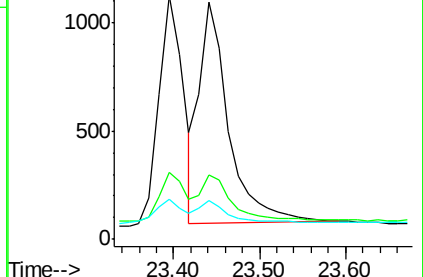
125 16.3 9.6 14.4#



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(a)pyrene

Concen: 0.16 ng

RT: 24.02 min Scan# 1537

Delta R.T. 0.04 min

Lab File: BE092420.D

Acq: 23 Sep 2016 17:59

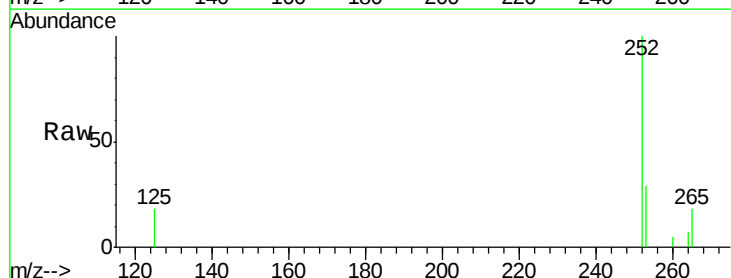
Tgt Ion:252 Resp: 2156

Ion Ratio Lower Upper

252 100

253 29.1 19.0 28.6#

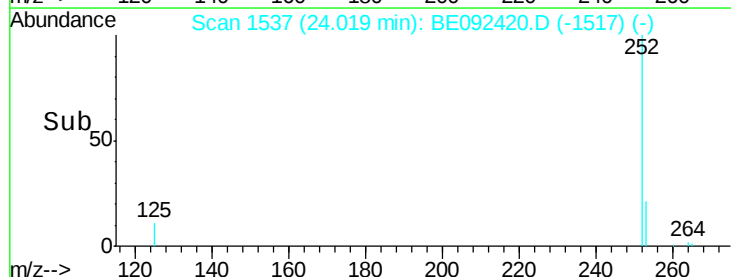
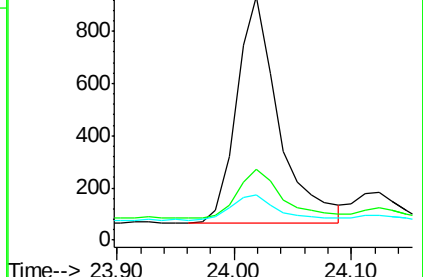
125 18.5 11.8 17.8#



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

Dibenzo(a,h)anthracene

Concen: 0.14 ng

RT: 26.68 min Scan# 1720

Delta R.T. 0.09 min

Lab File: BE092420.D

Acq: 23 Sep 2016 17:59

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016--02-QT4

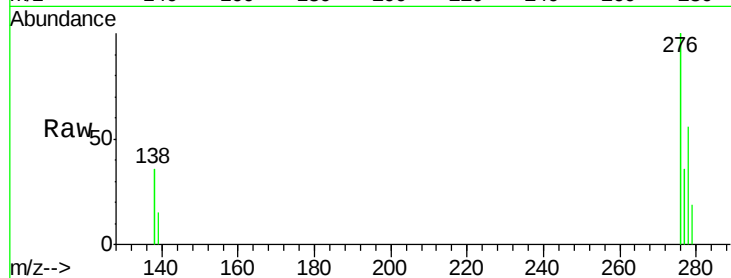
Tgt Ion:278 Resp: 1759

Ion Ratio Lower Upper

278 100

139 26.7 13.8 20.8#

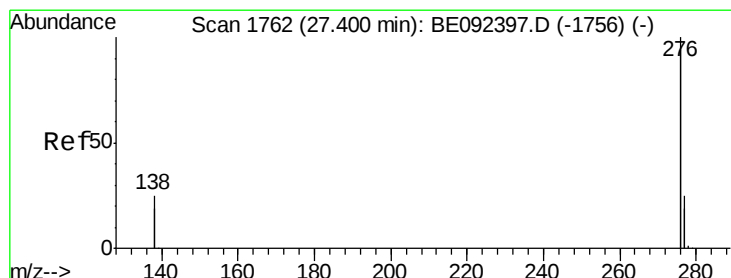
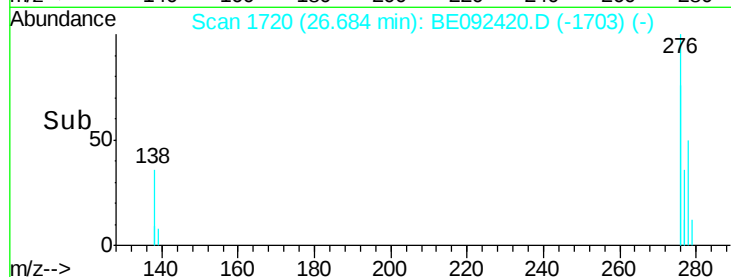
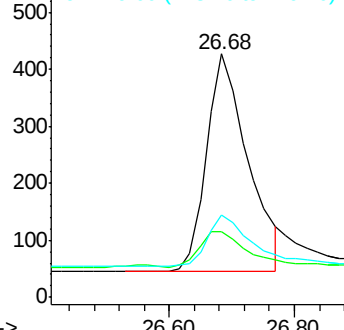
279 33.7 21.4 32.2#



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



#36

Benzo(g,h,i)perylene

Concen: 0.17 ng

RT: 27.42 min Scan# 1763

Delta R.T. 0.07 min

Lab File: BE092420.D

Acq: 23 Sep 2016 17:59

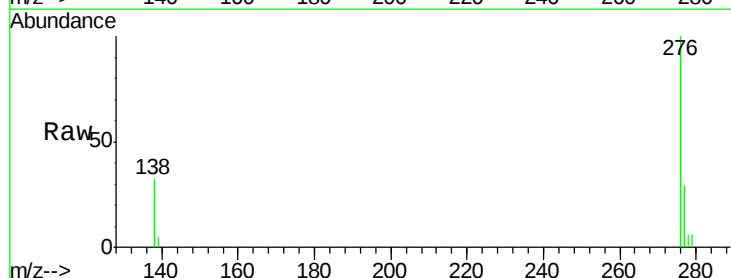
Tgt Ion:276 Resp: 8641

Ion Ratio Lower Upper

276 100

277 29.2 19.8 29.8

138 32.1 19.8 29.6#



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

