

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE092316\
 Data File : BE092419.D
 Acq On : 23 Sep 2016 17:21
 Operator : UM/SJ
 Sample : H4818-01
 Misc : LOD
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LOD-SOIL2016-01-QT4

Quant Time: Sep 23 19:28:07 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	8462	5.00	ng	-0.02
7) Naphthalene-d8	10.95	136	34590	5.00	ng	0.00
12) Acenaphthene-d10	14.81	164	23351	5.00	ng	0.00
18) Phenanthrene-d10	17.58	188	45197	5.00	ng	0.02
24) Chrysene-d12	21.75	240	65545	5.00	ng	0.00
31) Perylene-d12	24.12	264	60241	5.00	ng	0.04

System Monitoring Compounds						
4) 2-Fluorophenol	5.67	112	16707	8.36	ng	-0.02
5) Phenol-d6	7.34	99	20567	7.23	ng	-0.02
8) Nitrobenzene-d5	9.34	82	8539	3.48	ng	-0.02
13) 2,4,6-Tribromophenol	16.32	330	4339	5.30	ng	0.00
14) 2-Fluorobiphenyl	13.44	172	22195	4.01	ng	0.00
26) Terphenyl-d14	20.19	244	30181	3.71	ng	0.02

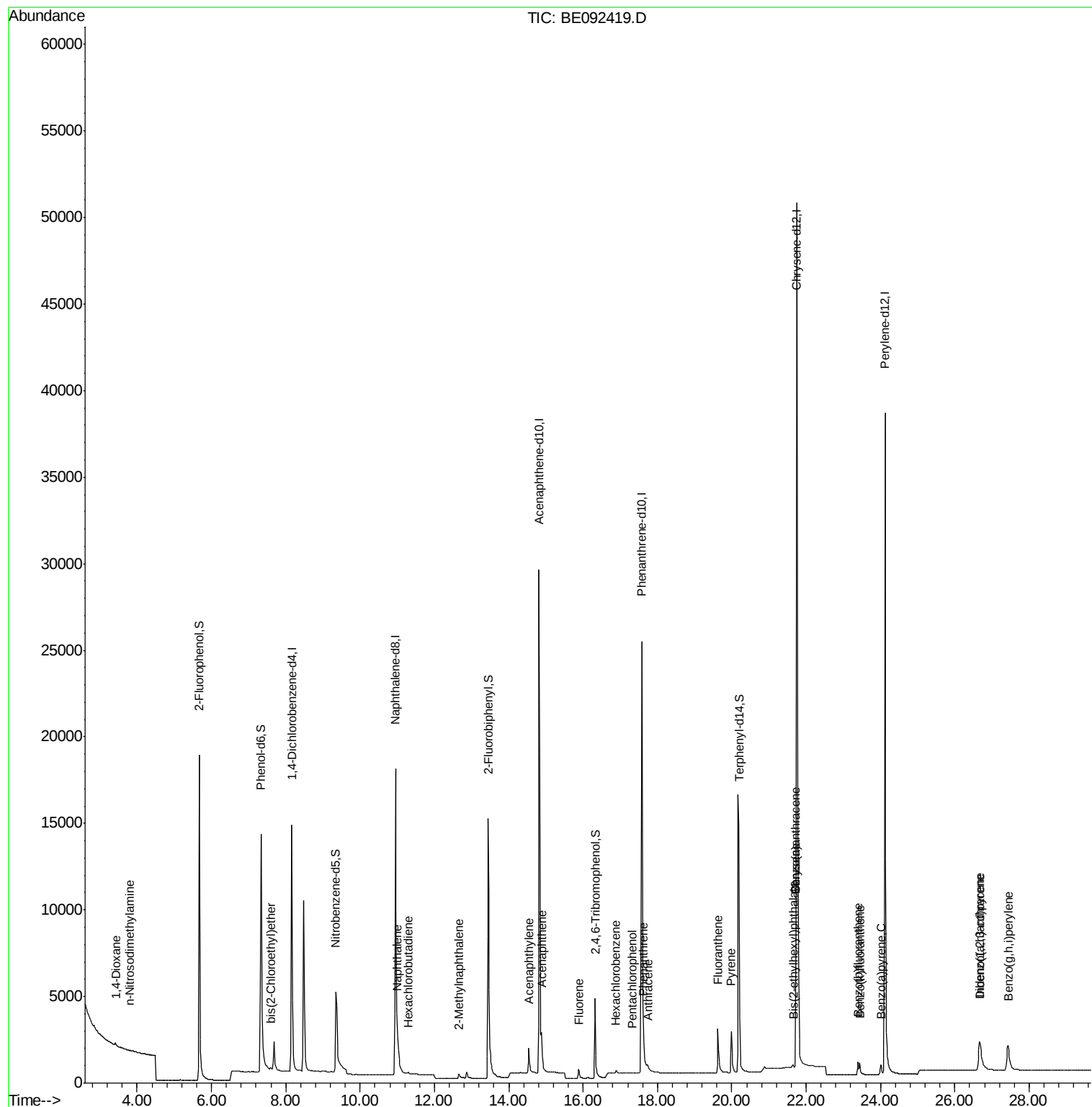
Target Compounds						Qvalue
2) 1,4-Dioxane	3.42	88	108	0.00	ng	# 43
3) n-Nitrosodimethylamine	3.81	42	12	0.20	ng	# 2
6) bis(2-Chloroethyl)ether	7.59	93	142	0.15	ng	# 71
9) Naphthalene	11.01	128	655	0.09	ng	# 68
10) Hexachlorobutadiene	11.30	225	104	0.09	ng	99
11) 2-Methylnaphthalene	12.66	142	388	0.08	ng	# 91
15) Acenaphthylene	14.54	152	2776	0.08	ng	99
16) Acenaphthene	14.88	154	435	0.08	ng	86
17) Fluorene	15.88	166	529	0.08	ng	98
19) Hexachlorobenzene	16.89	284	174	0.09	ng	96
20) Pentachlorophenol	17.33	266	23	0.21	ng	# 74
21) Phenanthrene	17.63	178	994	0.10	ng	98
22) Anthracene	17.74	178	716	0.07	ng	99
23) Fluoranthene	19.63	202	4860	0.10	ng	99
25) Pyrene	19.99	202	4255	0.07	ng	98
27) Benzo(a)anthracene	21.72	228	11351	0.18	ng	# 91
28) Chrysene	21.72	228	11541	0.20	ng	# 82
29) Bis(2-ethylhexyl)phthalate	21.66	149	418	0.08	ng	# 80
30) Indeno(1,2,3-cd)pyrene	26.67	276	4251	0.07	ng	99
32) Benzo(b)fluoranthene	23.39	252	1153	0.08	ng	# 82
33) Benzo(k)fluoranthene	23.44	252	1356	0.09	ng	# 82
34) Benzo(a)pyrene	24.02	252	1182	0.08	ng	# 75
35) Dibenzo(a,h)anthracene	26.68	278	896	0.07	ng	# 62
36) Benzo(g,h,i)perylene	27.43	276	4711	0.08	ng	# 77

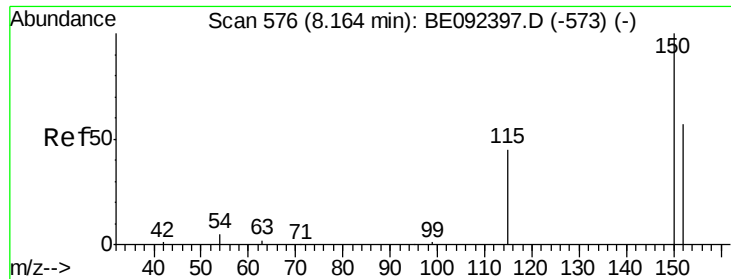
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE092419.D

Acq: 23 Sep 2016 17:21

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL2016-01-QT4

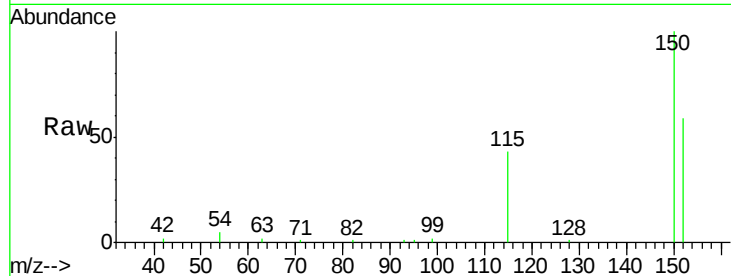
Tgt Ion:152 Resp: 8462

Ion Ratio Lower Upper

152 100

150 169.5 106.0 159.0#

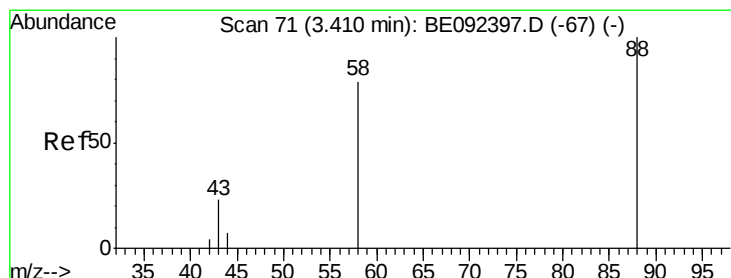
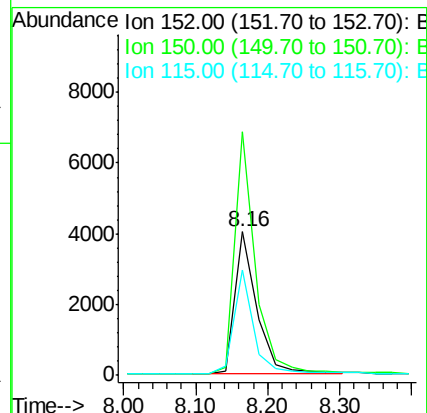
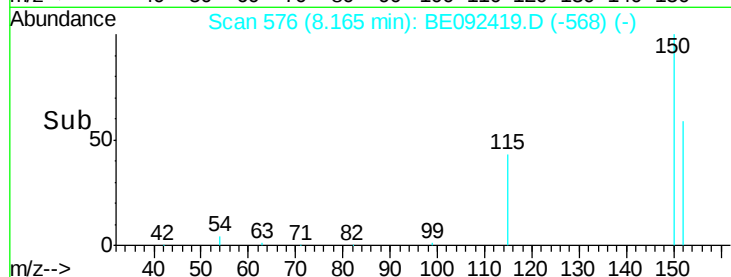
115 73.6 31.2 46.8#



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: 0.00 ng

RT: 3.42 min Scan# 72

Delta R.T. -0.00 min

Lab File: BE092419.D

Acq: 23 Sep 2016 17:21

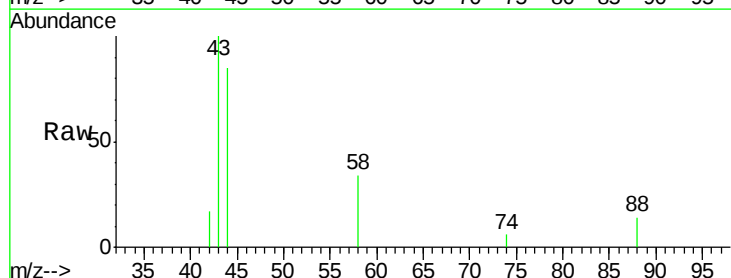
Tgt Ion: 88 Resp: 108

Ion Ratio Lower Upper

88 100

58 128.7 63.6 95.4#

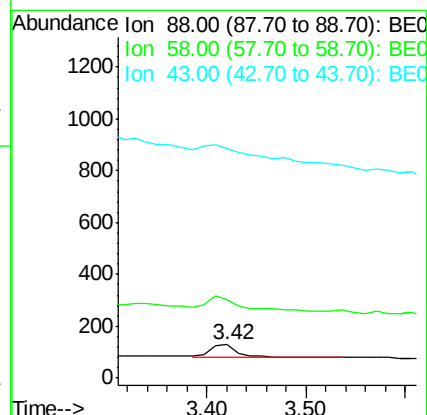
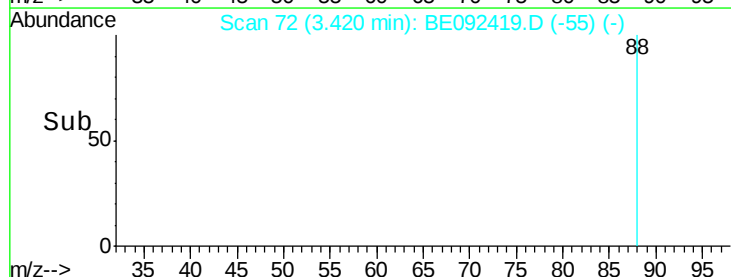
43 0.0 28.0 42.0#

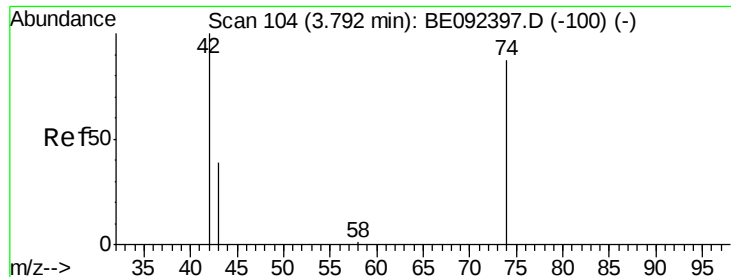


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.20 ng

RT: 3.81 min Scan# 106

Delta R.T. 0.01 min

Lab File: BE092419.D

Acq: 23 Sep 2016 17:21

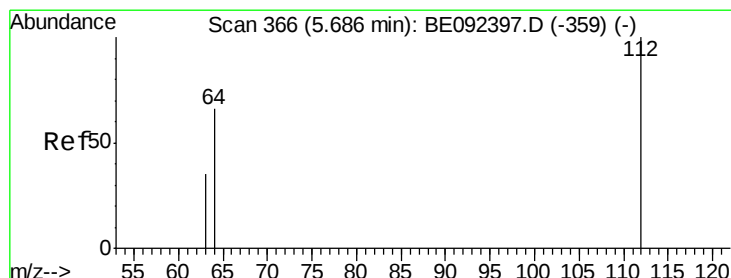
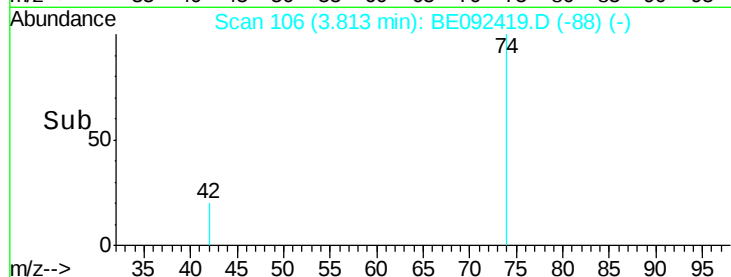
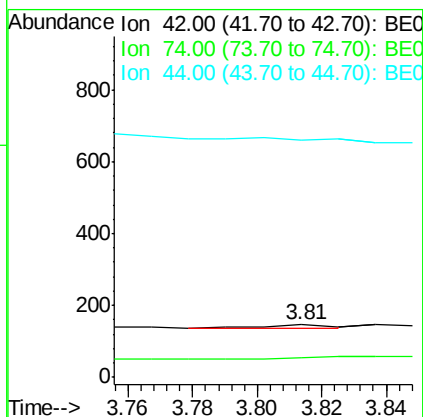
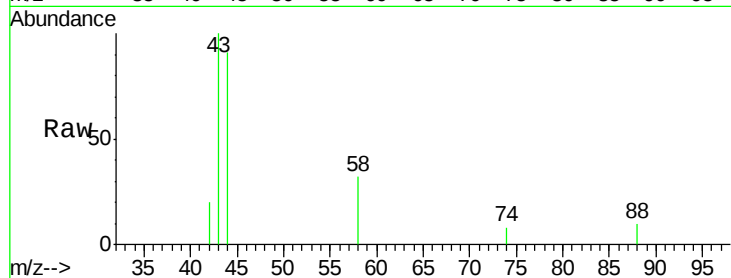
Instrument :

BNA_E

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LOD-SOIL2016-01-QT4

Tgt Ion:	42	Resp:	12
Ion	Ratio	Lower	Upper
42	100		
74	0.0	86.0	129.0#
44	0.0	5.1	7.7#



#4

2-Fluorophenol

Concen: 8.36 ng

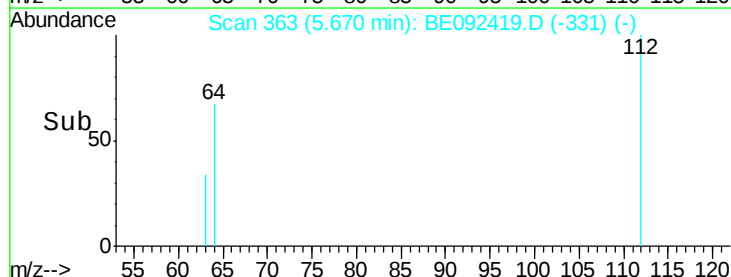
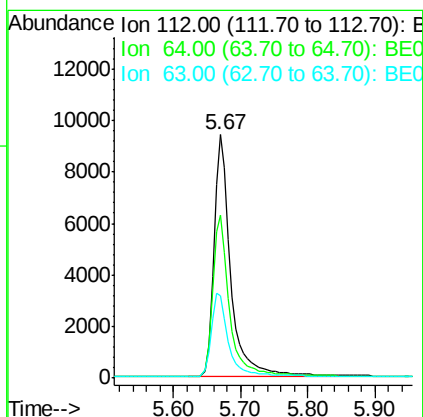
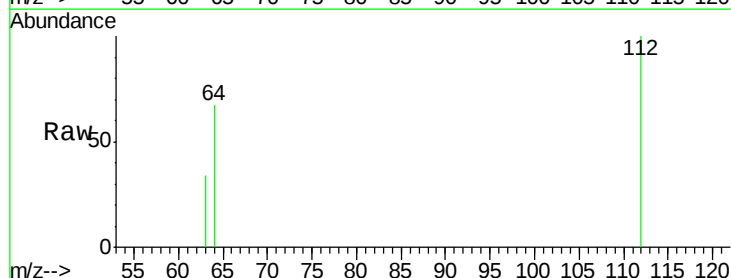
RT: 5.67 min Scan# 363

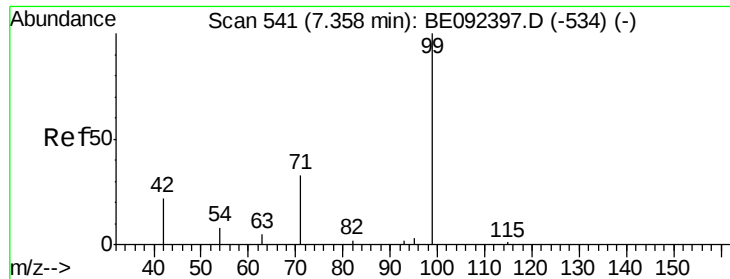
Delta R.T. -0.02 min

Lab File: BE092419.D

Acq: 23 Sep 2016 17:21

Tgt Ion:	112	Resp:	16707
Ion	Ratio	Lower	Upper
112	100		
64	67.1	53.5	80.3
63	35.8	27.9	41.9





#5

Phenol-d6

Concen: 7.23 ng

RT: 7.34 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092419.D

Acq: 23 Sep 2016 17:21

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL2016-01-QT4

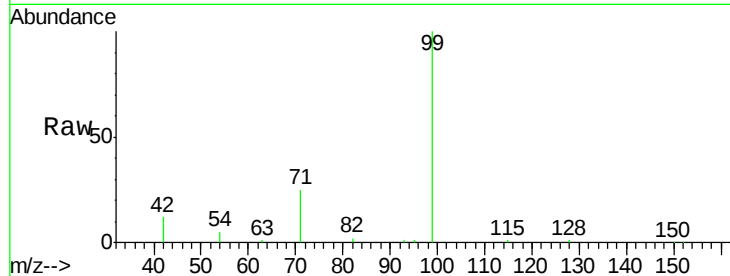
Tgt Ion: 99 Resp: 20567

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

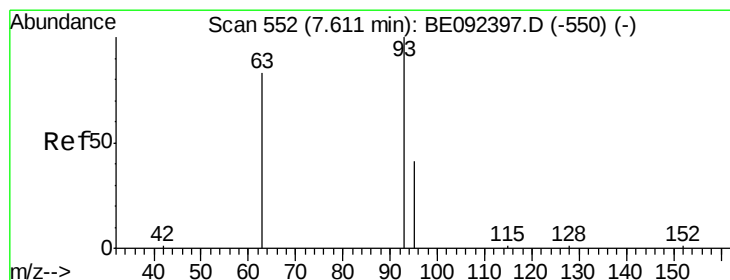
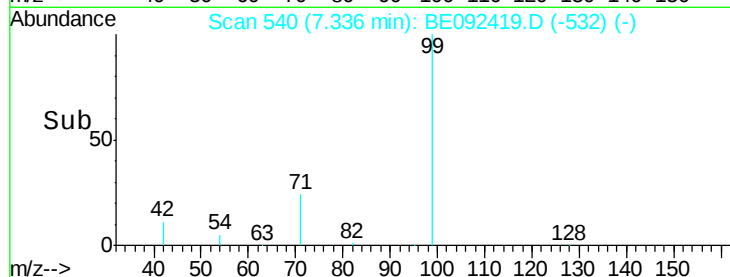
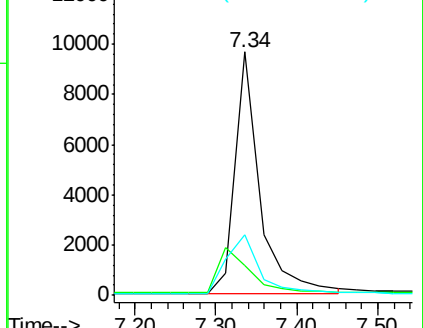
71 33.2 30.6 45.8



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: 0.15 ng

RT: 7.59 min Scan# 551

Delta R.T. -0.02 min

Lab File: BE092419.D

Acq: 23 Sep 2016 17:21

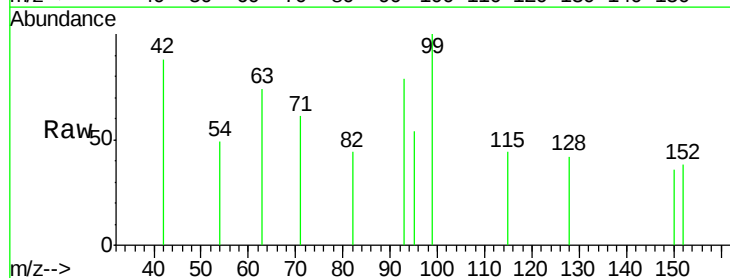
Tgt Ion: 93 Resp: 142

Ion Ratio Lower Upper

93 100

63 70.4 71.6 107.4#

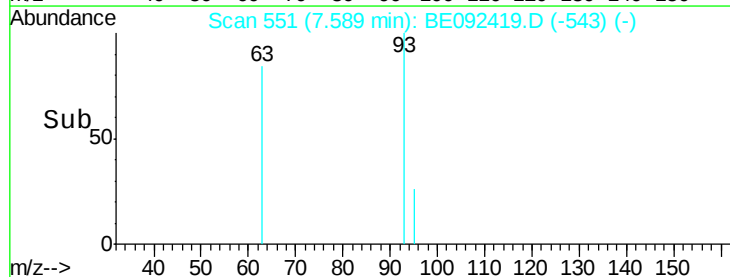
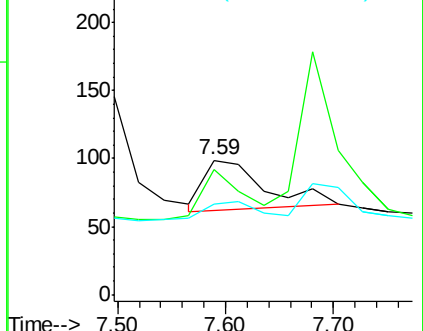
95 0.0 24.0 36.0#

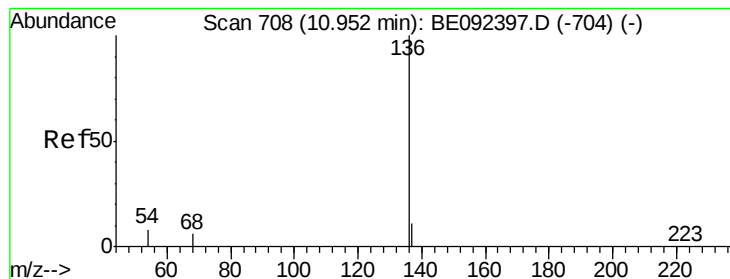


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE092419.D

Acq: 23 Sep 2016 17:21

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL2016-01-QT4

Tgt Ion:136 Resp: 34590

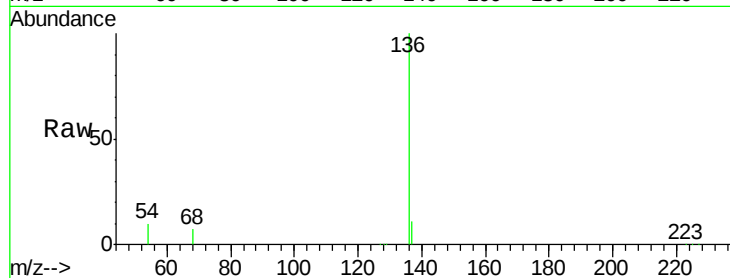
Ion Ratio Lower Upper

136 100

137 10.9 8.2 12.4

54 9.8 9.6 14.4

68 7.0 6.7 10.1

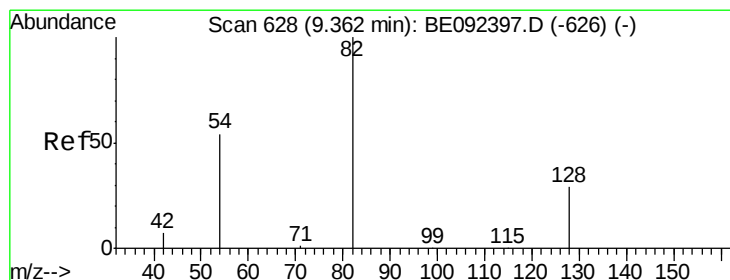
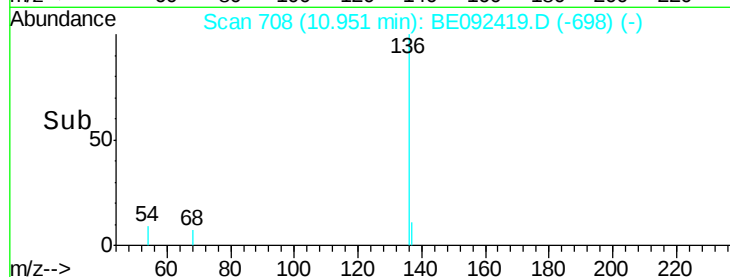
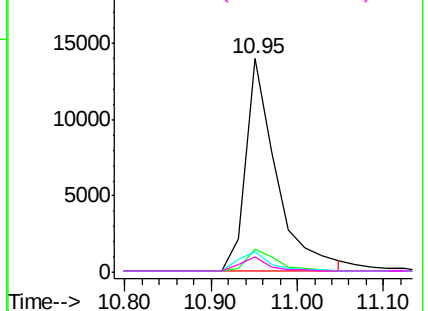


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.48 ng

RT: 9.34 min Scan# 627

Delta R.T. -0.02 min

Lab File: BE092419.D

Acq: 23 Sep 2016 17:21

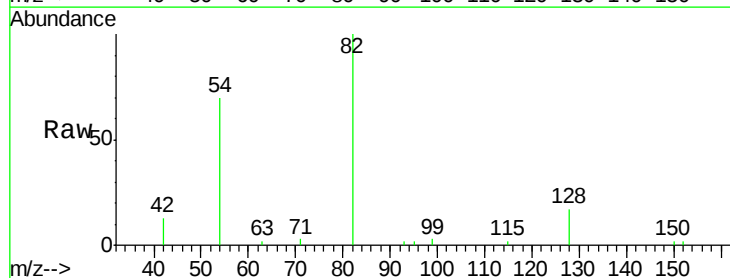
Tgt Ion: 82 Resp: 8539

Ion Ratio Lower Upper

82 100

128 17.1 39.0 58.4#

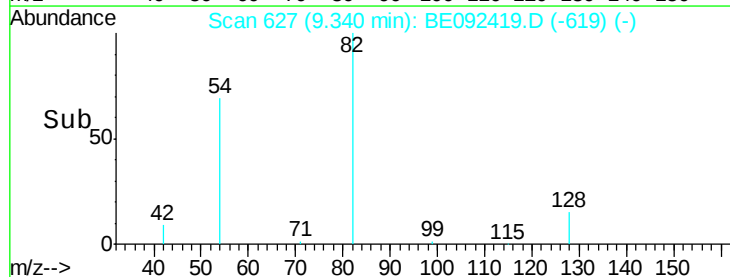
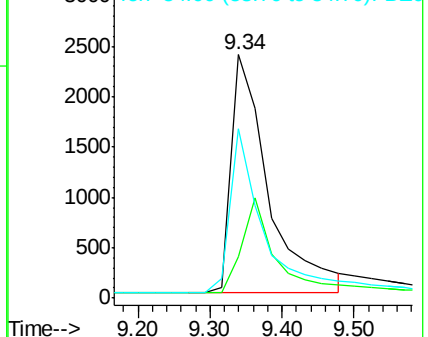
54 69.7 44.8 67.2#



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

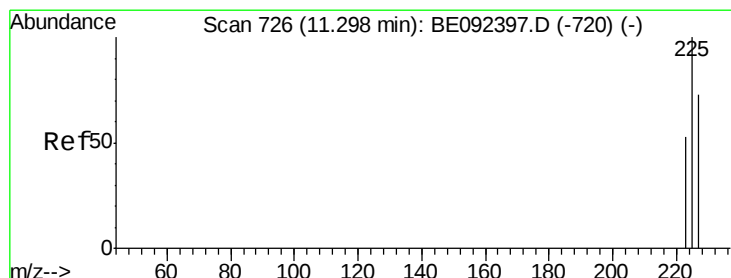
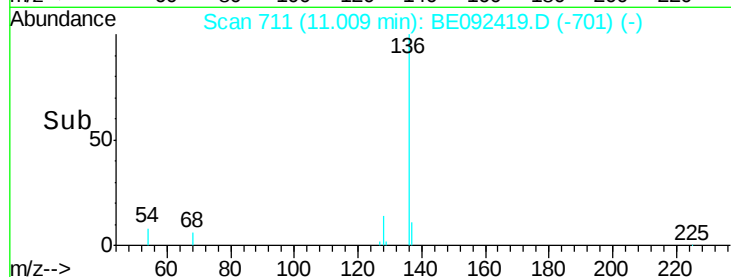
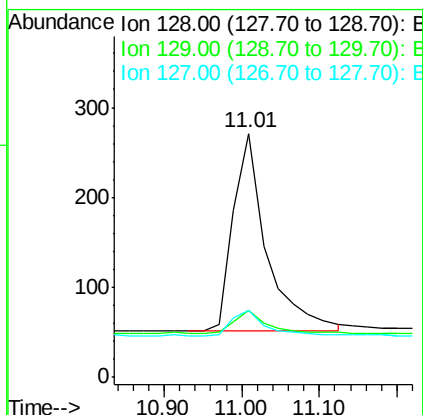
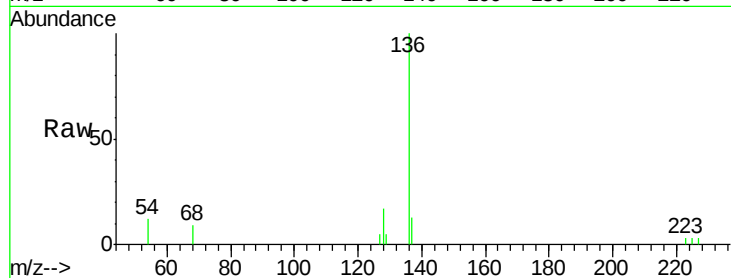




#9
Naphthalene
Concen: 0.09 ng
RT: 11.01 min Scan# 711
Delta R.T. -0.00 min
Lab File: BE092419.D
Acq: 23 Sep 2016 17:21

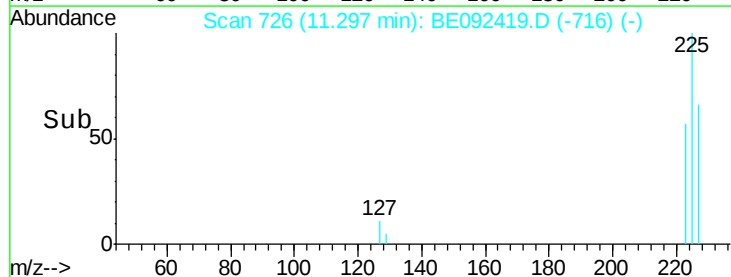
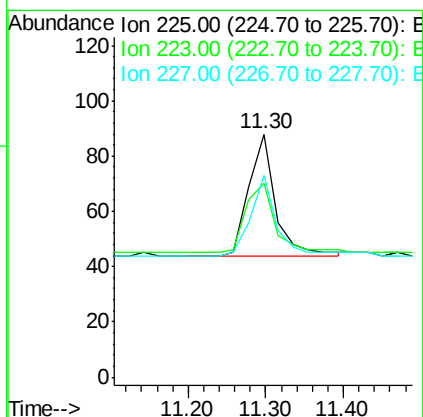
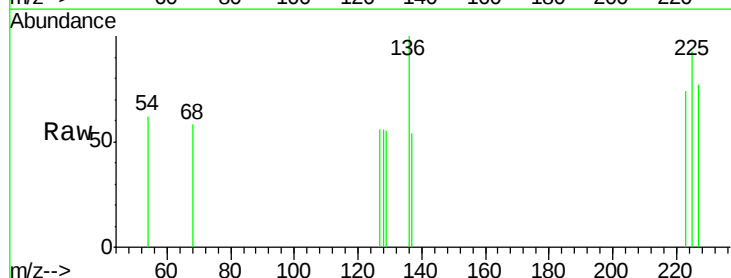
Instrument :
BNA_E
ClientSampleId :
LOD-SOIL2016-01-QT4

Tgt Ion:128 Resp: 655
Ion Ratio Lower Upper
128 100
129 27.7 11.2 16.8#
127 27.3 11.6 17.4#



#10
Hexachlorobutadiene
Concen: 0.09 ng
RT: 11.30 min Scan# 726
Delta R.T. -0.00 min
Lab File: BE092419.D
Acq: 23 Sep 2016 17:21

Tgt Ion:225 Resp: 104
Ion Ratio Lower Upper
225 100
223 63.5 50.6 76.0
227 62.5 51.4 77.0





#11

2-Methylnaphthalene

Concen: 0.08 ng

RT: 12.66 min Scan# 817

Delta R.T. 0.01 min

Lab File: BE092419.D

Acq: 23 Sep 2016 17:21

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL2016-01-QT4

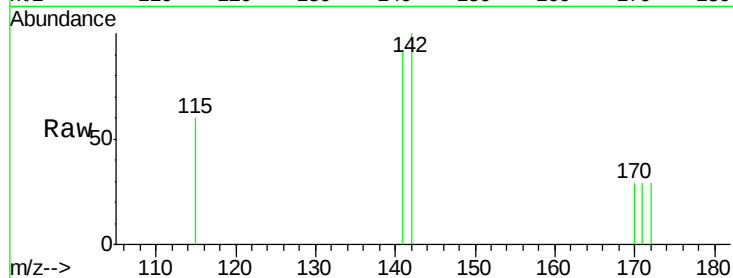
Tgt Ion:142 Resp: 388

Ion Ratio Lower Upper

142 100

141 91.6 73.7 110.5

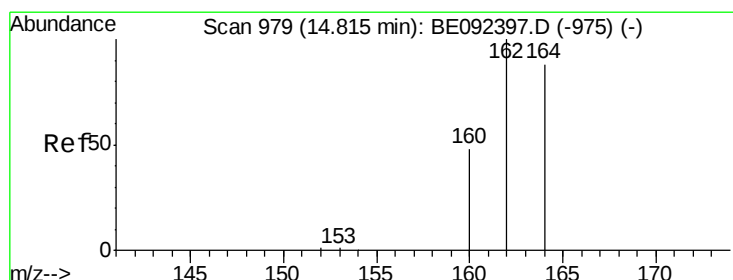
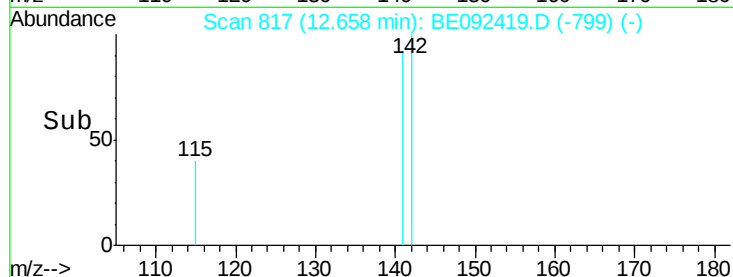
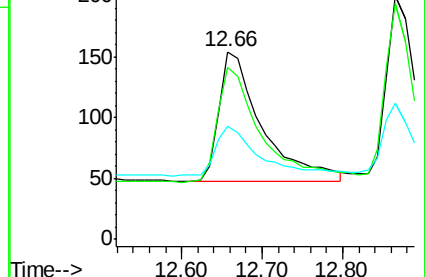
115 60.4 34.0 51.0#



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# 980

Delta R.T. -0.00 min

Lab File: BE092419.D

Acq: 23 Sep 2016 17:21

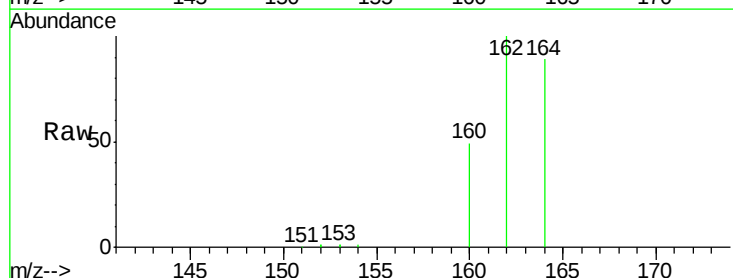
Tgt Ion:164 Resp: 23351

Ion Ratio Lower Upper

164 100

162 111.9 71.4 107.0#

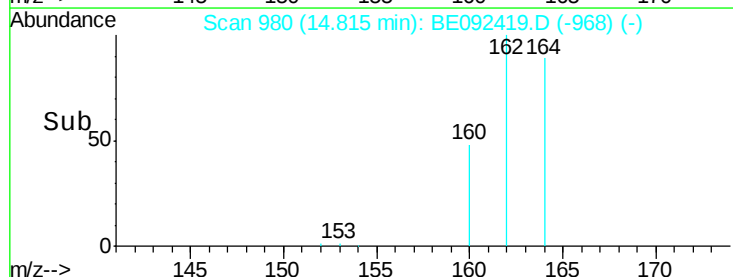
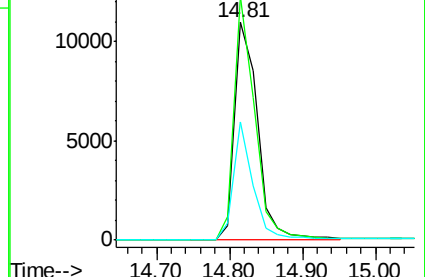
160 54.3 27.4 41.2#

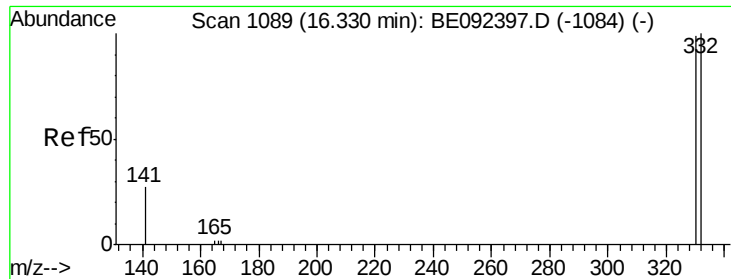


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

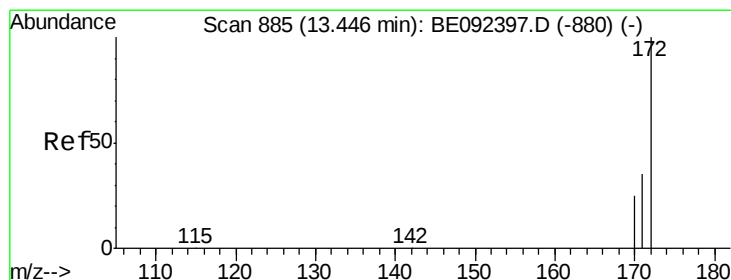
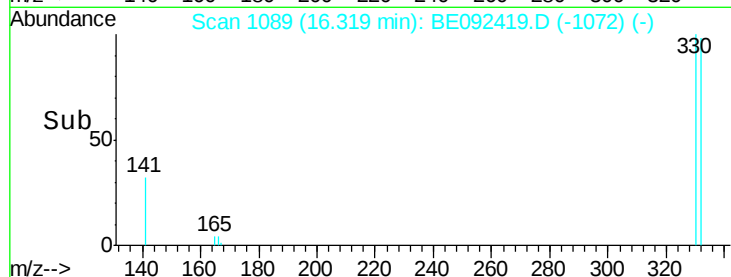
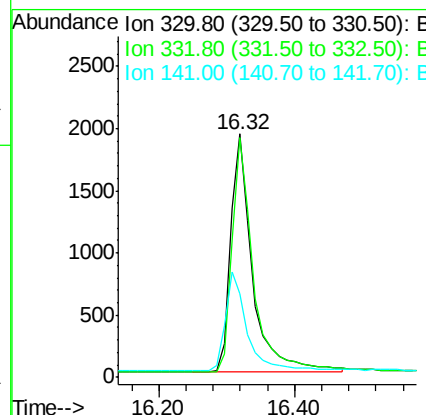
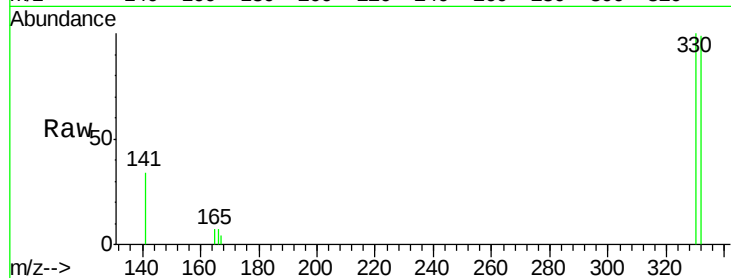




#13
 2,4,6-Tribromophenol
 Concen: 5.30 ng
 RT: 16.32 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: BE092419.D
 Acq: 23 Sep 2016 17:21

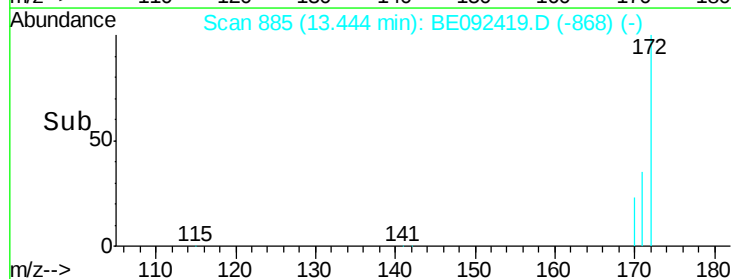
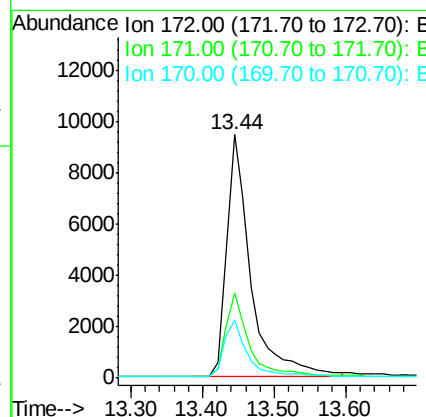
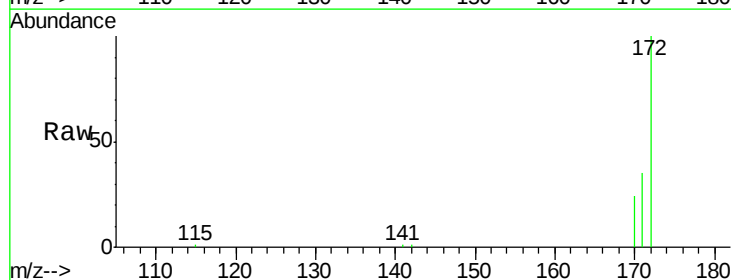
Instrument :
 BNA_E
 ClientSampleId :
 LOD-SOIL2016-01-QT4

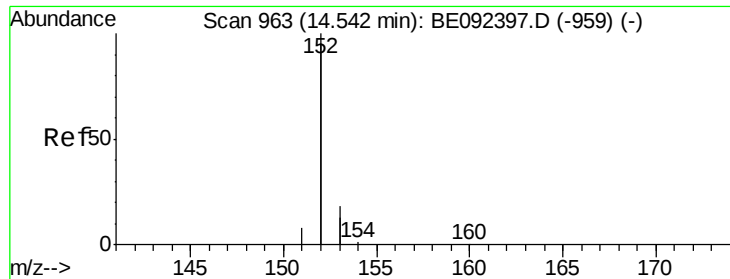
Tgt Ion:330 Resp: 4339
 Ion Ratio Lower Upper
 330 100
 332 96.8 75.4 113.0
 141 42.2 31.0 46.6



#14
 2-Fluorobiphenyl
 Concen: 4.01 ng
 RT: 13.44 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: BE092419.D
 Acq: 23 Sep 2016 17:21

Tgt Ion:172 Resp: 22195
 Ion Ratio Lower Upper
 172 100
 171 35.0 30.1 45.1
 170 23.8 21.8 32.6





#15

Acenaphthylene

Concen: 0.08 ng

RT: 14.54 min Scan# 964

Delta R.T. 0.02 min

Lab File: BE092419.D

Acq: 23 Sep 2016 17:21

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL2016-01-QT4

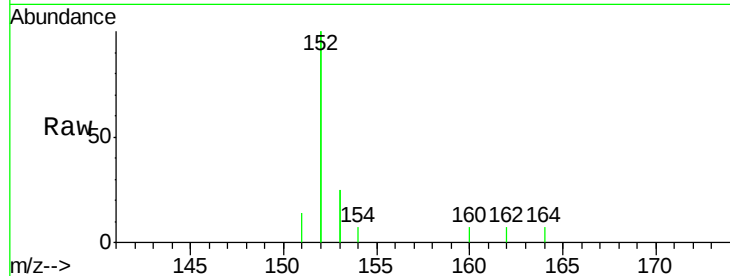
Tgt Ion:152 Resp: 2776

Ion Ratio Lower Upper

152 100

151 4.8 3.9 5.9

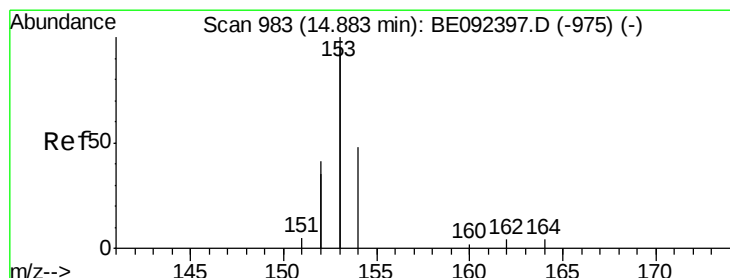
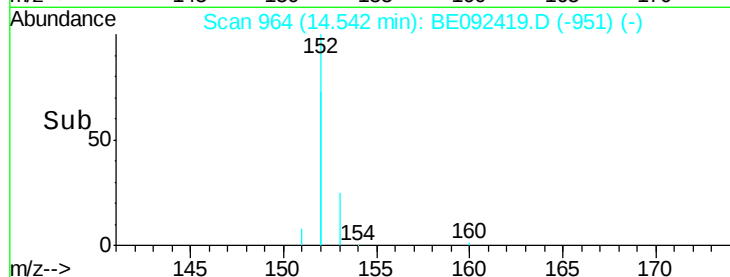
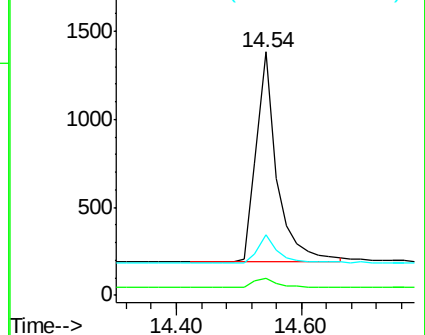
153 13.4 10.4 15.6



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: 0.08 ng

RT: 14.88 min Scan# 984

Delta R.T. -0.00 min

Lab File: BE092419.D

Acq: 23 Sep 2016 17:21

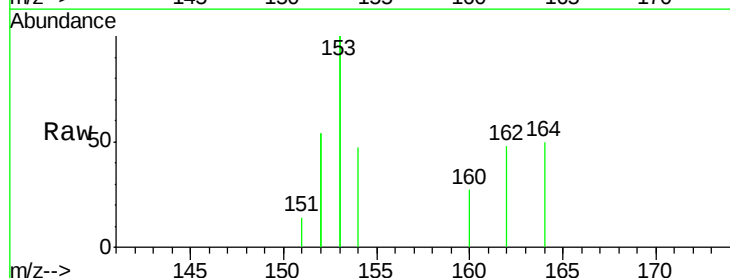
Tgt Ion:154 Resp: 435

Ion Ratio Lower Upper

154 100

153 470.8 350.8 526.2

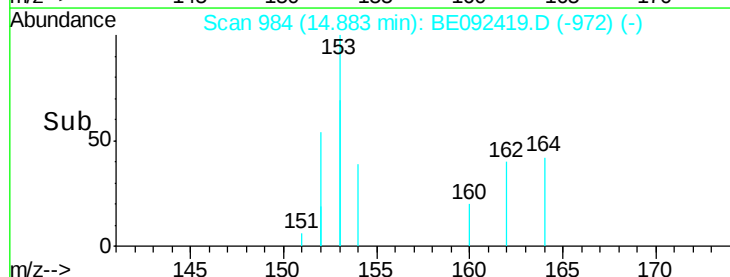
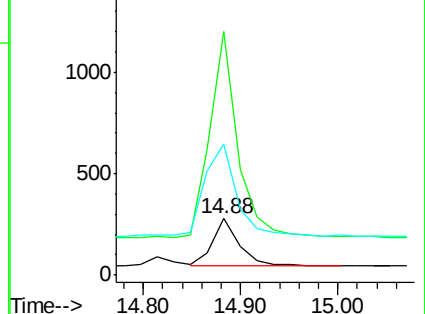
152 238.6 171.1 256.7



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: 0.08 ng

RT: 15.88 min Scan# 1051

Delta R.T. 0.01 min

Lab File: BE092419.D

Acq: 23 Sep 2016 17:21

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL2016-01-QT4

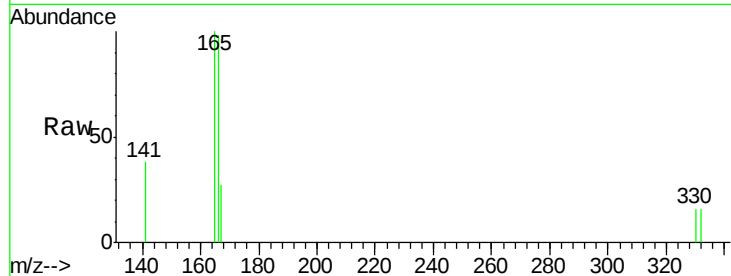
Tgt Ion:166 Resp: 529

Ion Ratio Lower Upper

166 100

165 100.0 78.2 117.4

167 14.0 11.0 16.4



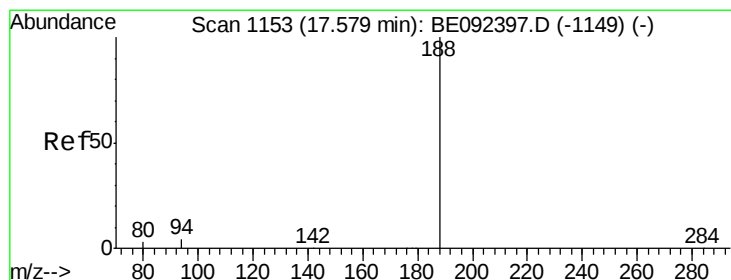
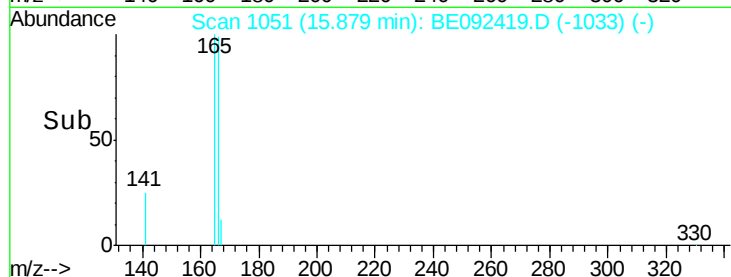
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

15.88

Time-->



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.58 min Scan# 1154

Delta R.T. 0.02 min

Lab File: BE092419.D

Acq: 23 Sep 2016 17:21

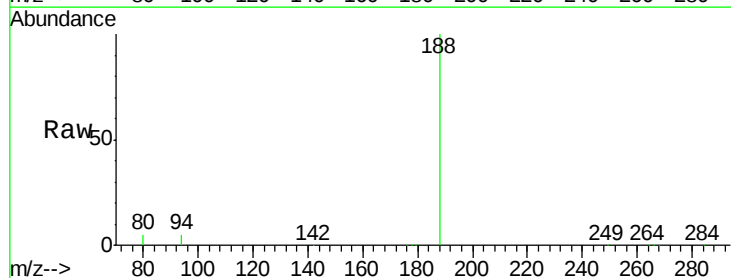
Tgt Ion:188 Resp: 45197

Ion Ratio Lower Upper

188 100

94 5.2 3.2 4.8#

80 4.8 2.6 3.8#



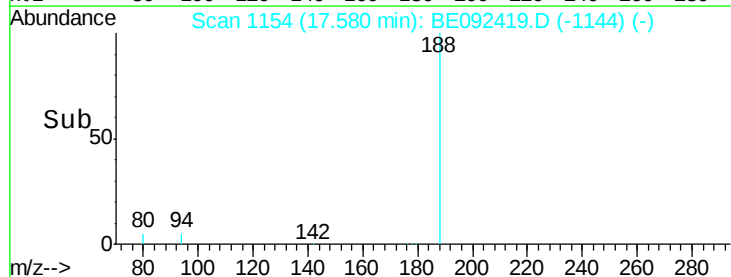
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

17.58

Time-->

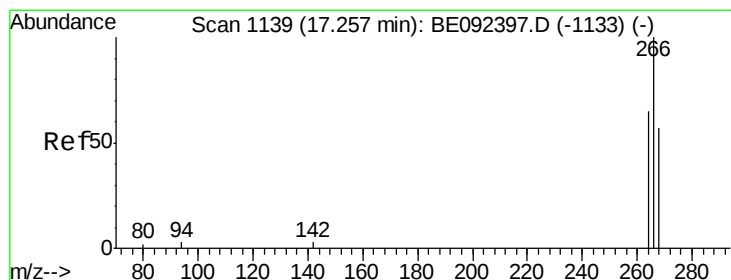
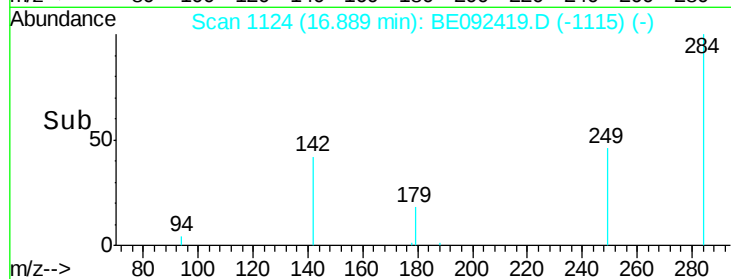
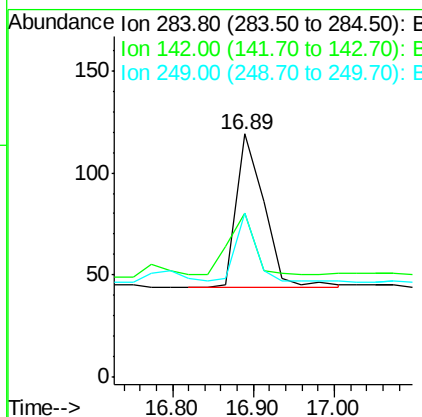
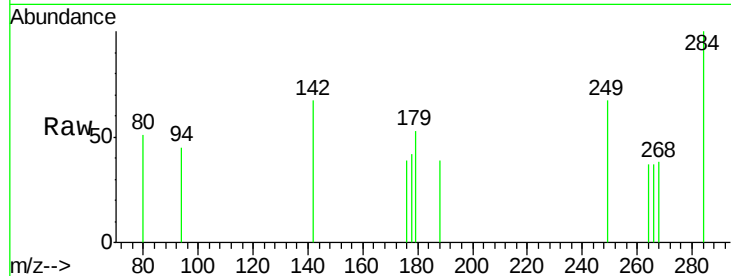




#19
Hexachlorobenzene
Concen: 0.09 ng
RT: 16.89 min Scan# 1124
Delta R.T. 0.00 min
Lab File: BE092419.D
Acq: 23 Sep 2016 17:21

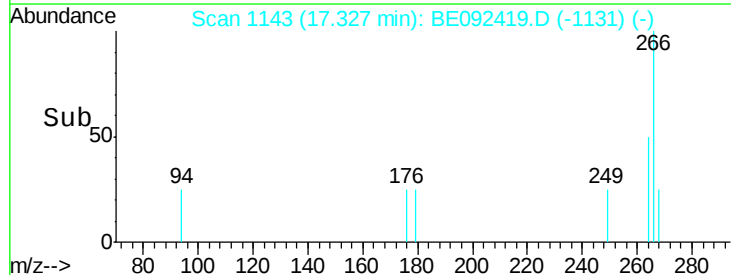
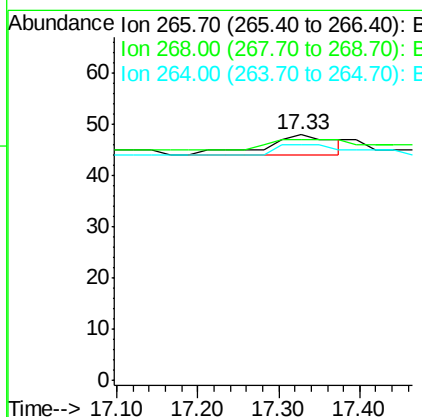
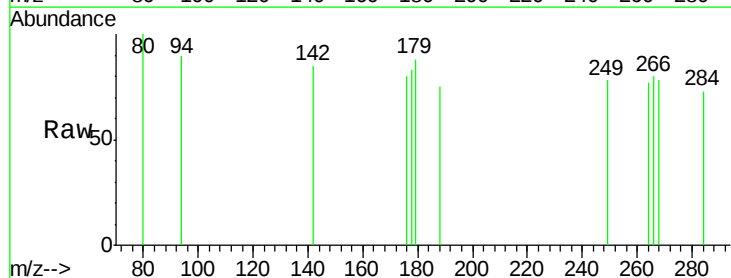
Instrument :
BNA_E
ClientSampleId :
LOD-SOIL2016-01-QT4

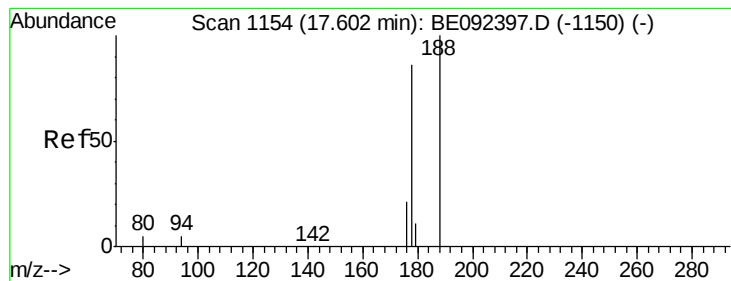
Tgt Ion: 284 Resp: 174
Ion Ratio Lower Upper
284 100
142 39.7 29.1 43.7
249 36.8 27.9 41.9



#20
Pentachlorophenol
Concen: 0.21 ng
RT: 17.33 min Scan# 1143
Delta R.T. 0.07 min
Lab File: BE092419.D
Acq: 23 Sep 2016 17:21

Tgt Ion: 266 Resp: 23
Ion Ratio Lower Upper
266 100
268 97.9 62.5 93.7#
264 95.8 57.2 85.8#





#21

Phenanthrene

Concen: 0.10 ng

RT: 17.63 min Scan# 1156

Delta R.T. 0.02 min

Lab File: BE092419.D

Acq: 23 Sep 2016 17:21

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL2016-01-QT4

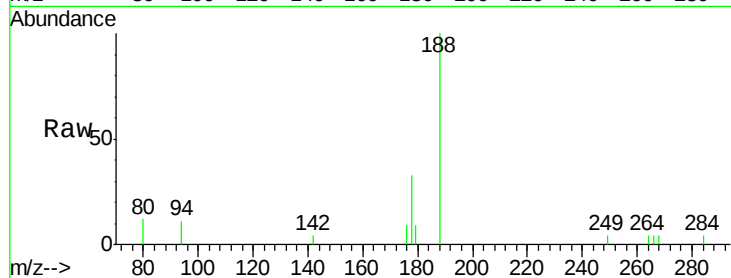
Tgt Ion:178 Resp: 994

Ion Ratio Lower Upper

178 100

176 18.3 15.8 23.8

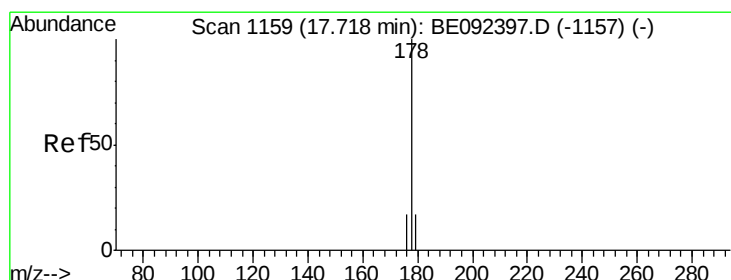
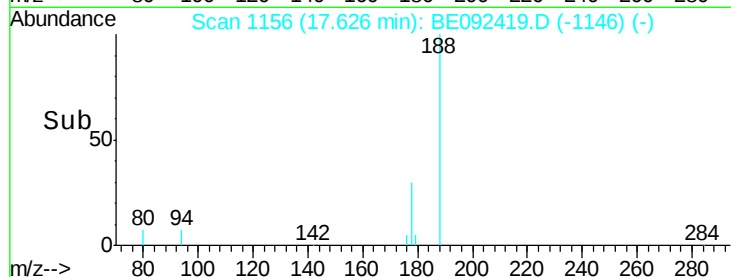
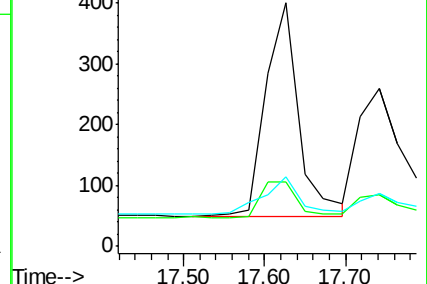
179 19.6 16.0 24.0



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



#22

Anthracene

Concen: 0.07 ng

RT: 17.74 min Scan# 1161

Delta R.T. 0.05 min

Lab File: BE092419.D

Acq: 23 Sep 2016 17:21

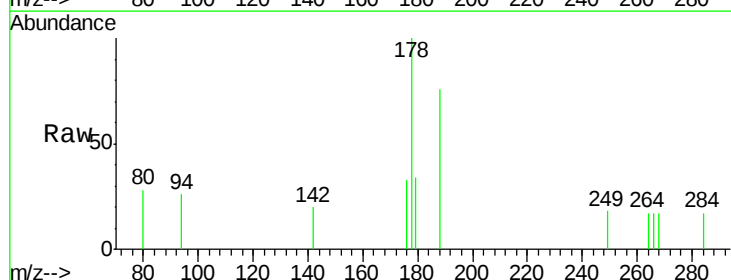
Tgt Ion:178 Resp: 716

Ion Ratio Lower Upper

178 100

176 18.0 15.0 22.4

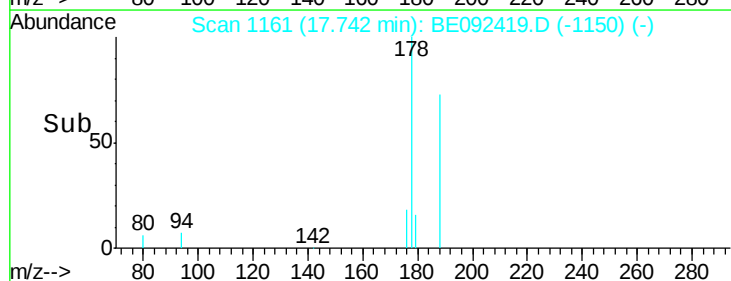
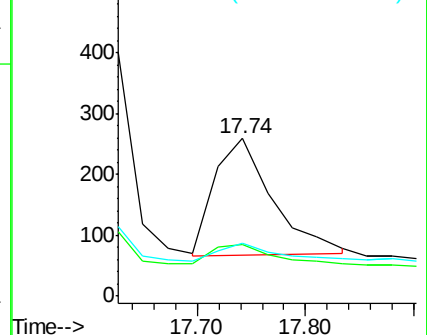
179 15.8 12.2 18.2

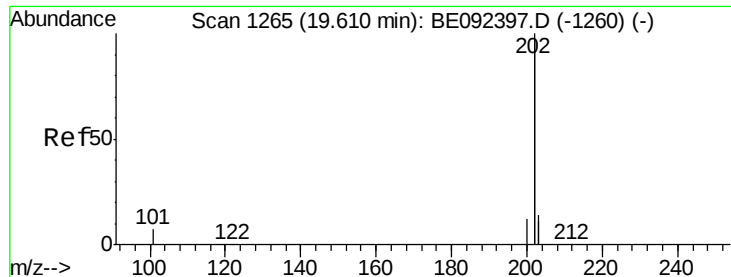


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#23

Fluoranthene

Concen: 0.10 ng

RT: 19.63 min Scan# 1267

Delta R.T. 0.02 min

Lab File: BE092419.D

Acq: 23 Sep 2016 17:21

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL2016-01-QT4

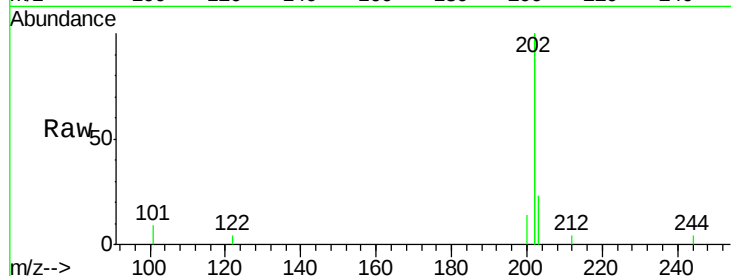
Tgt Ion:202 Resp: 4860

Ion Ratio Lower Upper

202 100

101 2.8 2.2 3.4

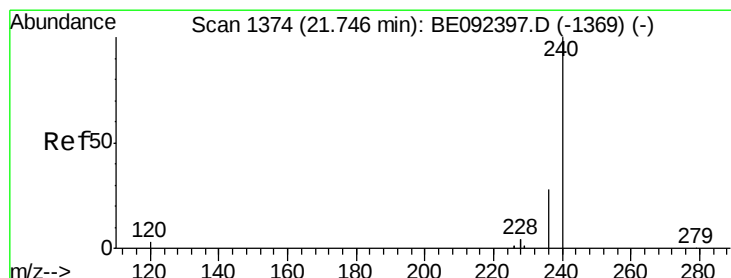
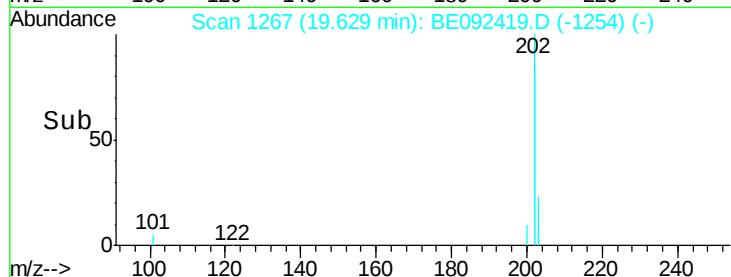
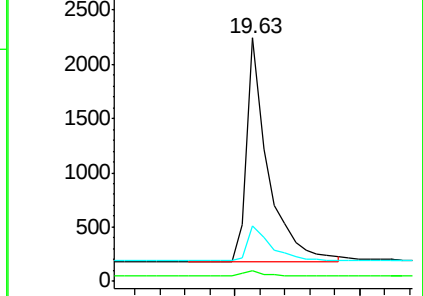
203 17.8 13.7 20.5



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# 1375

Delta R.T. 0.00 min

Lab File: BE092419.D

Acq: 23 Sep 2016 17:21

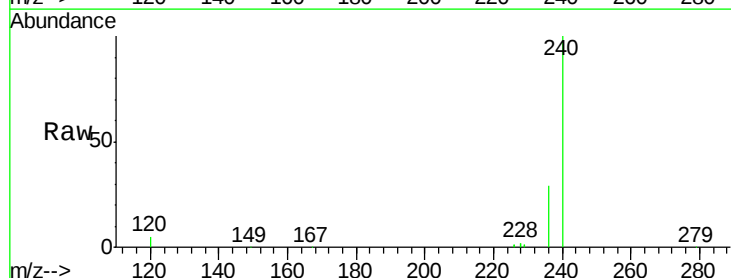
Tgt Ion:240 Resp: 65545

Ion Ratio Lower Upper

240 100

120 4.6 2.6 4.0#

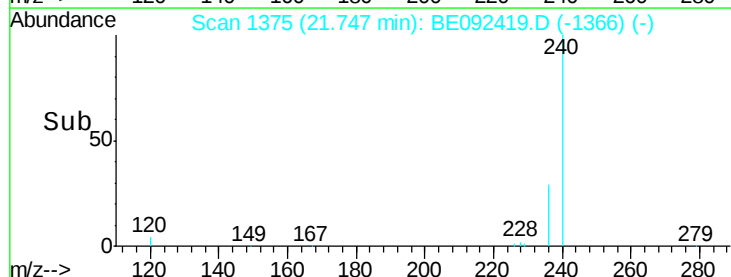
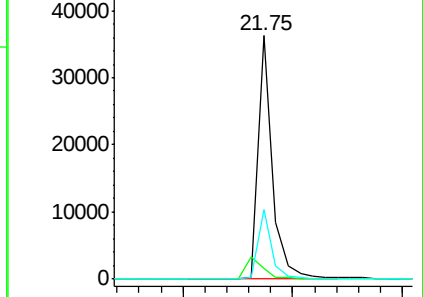
236 28.8 24.6 37.0

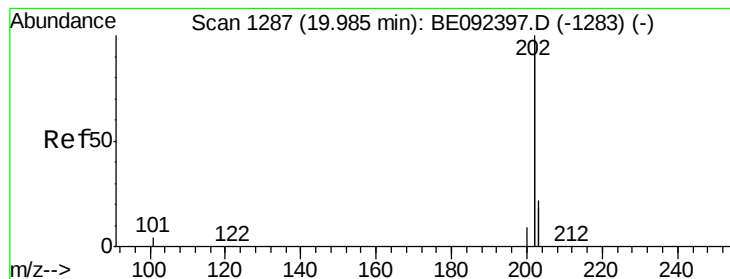


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#25

Pyrene

Concen: 0.07 ng

RT: 19.99 min Scan# 1288

Delta R.T. 0.02 min

Lab File: BE092419.D

Acq: 23 Sep 2016 17:21

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL2016-01-QT4

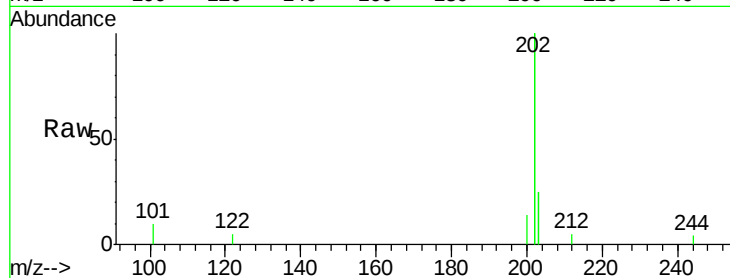
Tgt Ion:202 Resp: 4255

Ion Ratio Lower Upper

202 100

200 5.4 4.2 6.4

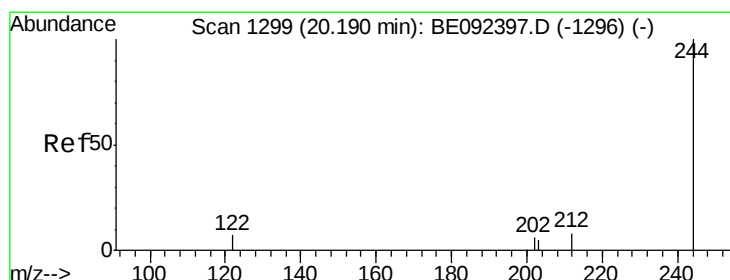
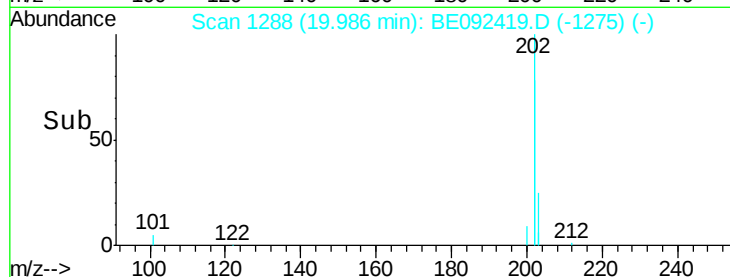
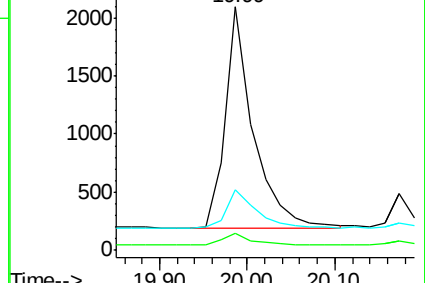
203 18.4 13.9 20.9



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: 3.71 ng

RT: 20.19 min Scan# 1300

Delta R.T. 0.02 min

Lab File: BE092419.D

Acq: 23 Sep 2016 17:21

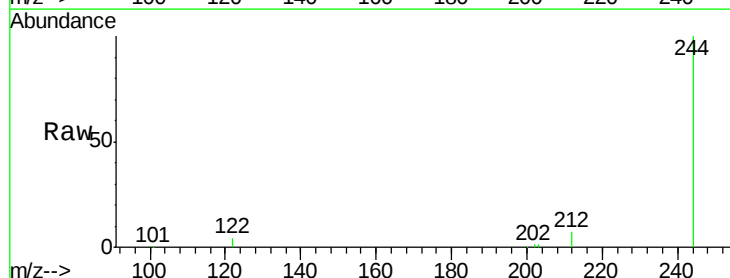
Tgt Ion:244 Resp: 30181

Ion Ratio Lower Upper

244 100

212 7.2 6.7 10.1

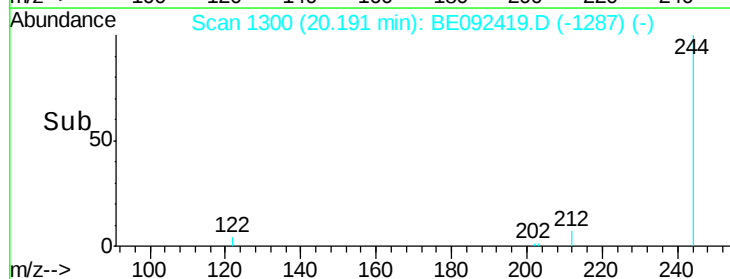
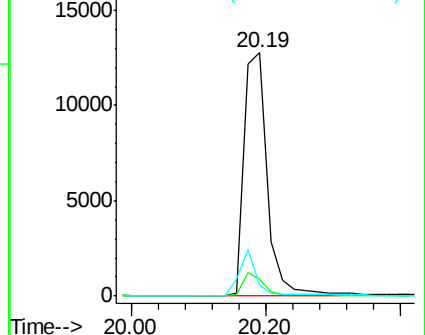
122 4.3 3.6 5.4



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

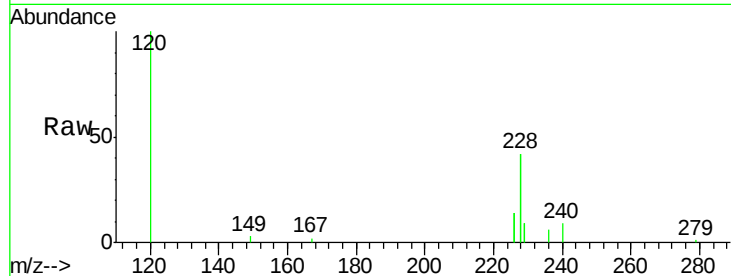




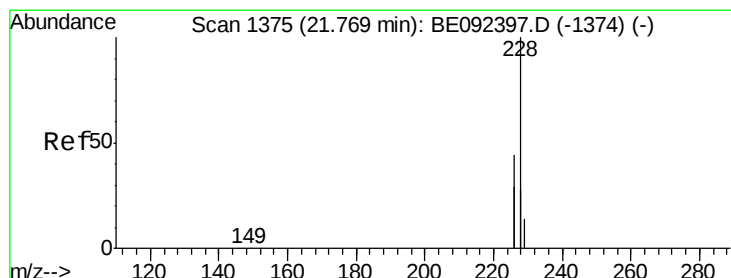
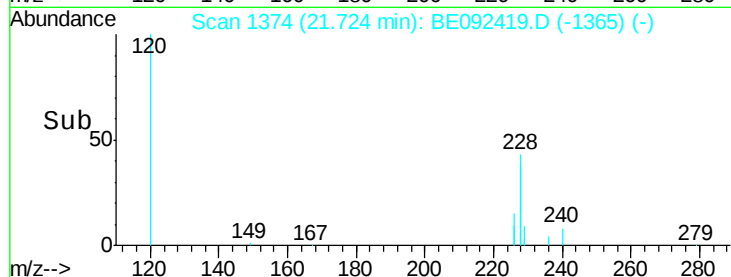
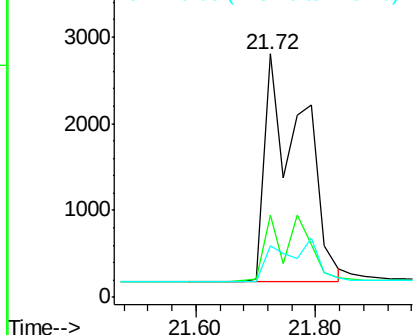
#27
Benzo(a)anthracene
Concen: 0.18 ng
RT: 21.72 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE092419.D
Acq: 23 Sep 2016 17:21

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL2016-01-QT4

Tgt Ion:228 Resp: 11351
Ion Ratio Lower Upper
228 100
226 33.8 23.6 35.4
229 21.0 13.3 19.9#

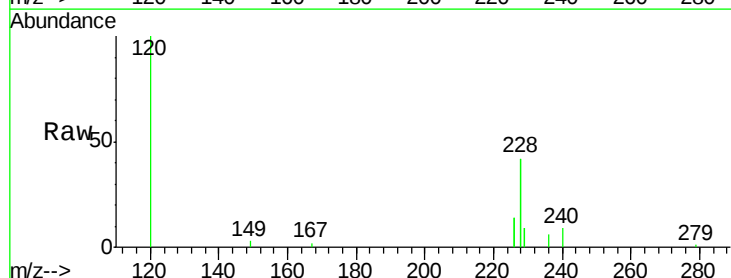


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

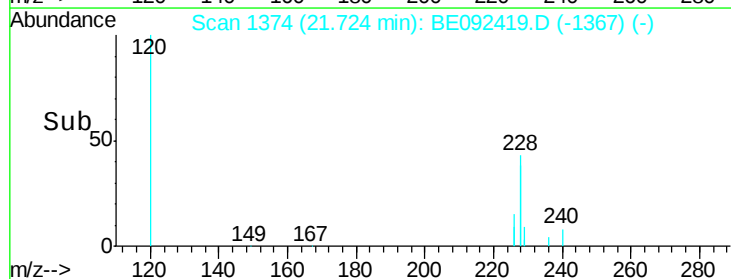
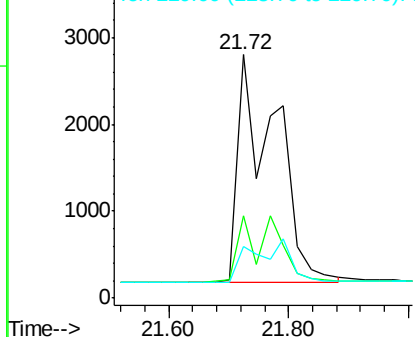


#28
Chrysene
Concen: 0.20 ng
RT: 21.72 min Scan# 1374
Delta R.T. -0.04 min
Lab File: BE092419.D
Acq: 23 Sep 2016 17:21

Tgt Ion:228 Resp: 11541
Ion Ratio Lower Upper
228 100
226 33.8 36.3 54.5#
229 21.0 10.6 16.0#



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

Bis(2-ethylhexyl)phthalate

Concen: 0.08 ng

RT: 21.66 min Scan# 1371

Delta R.T. 0.02 min

Lab File: BE092419.D

Acq: 23 Sep 2016 17:21

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL2016-01-QT4

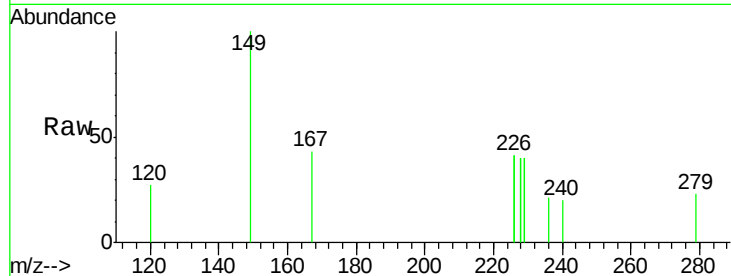
Tgt Ion:149 Resp: 418

Ion Ratio Lower Upper

149 100

167 22.0 16.0 24.0

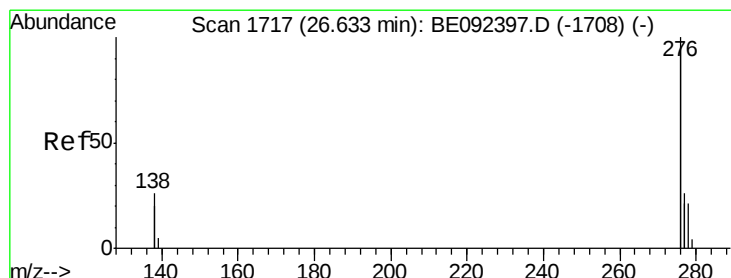
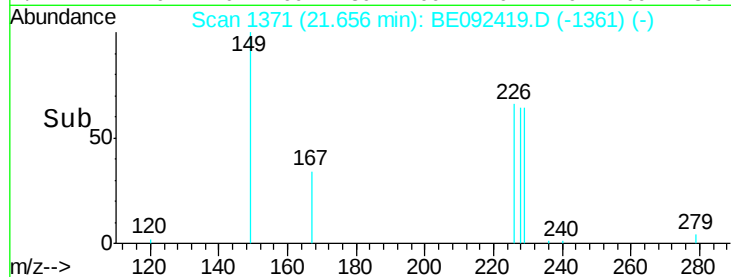
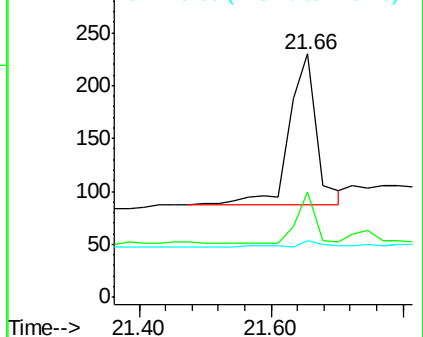
279 3.8 16.0 24.0#



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: 0.07 ng

RT: 26.67 min Scan# 1720

Delta R.T. 0.09 min

Lab File: BE092419.D

Acq: 23 Sep 2016 17:21

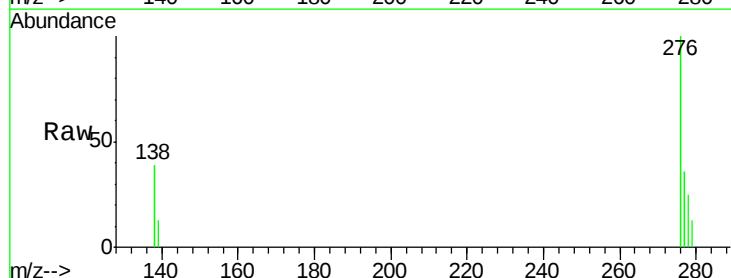
Tgt Ion:276 Resp: 4251

Ion Ratio Lower Upper

276 100

138 26.6 20.3 30.5

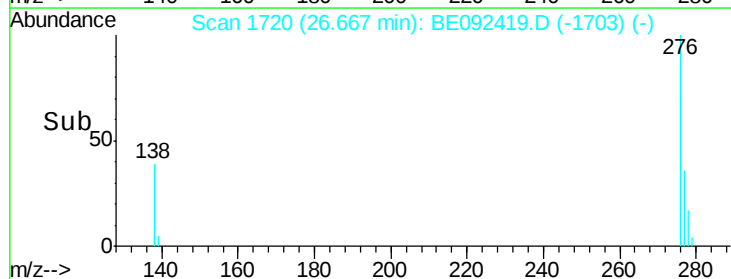
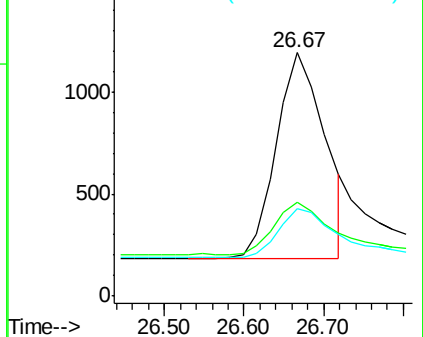
277 24.3 19.7 29.5



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# 1547

Delta R.T. 0.04 min

Lab File: BE092419.D

Acq: 23 Sep 2016 17:21

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL2016-01-QT4

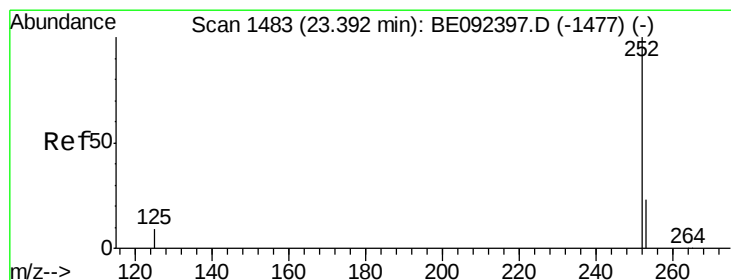
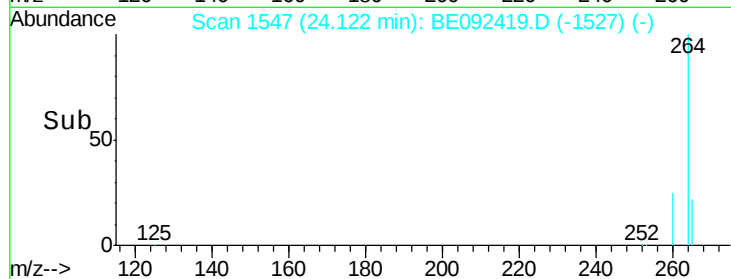
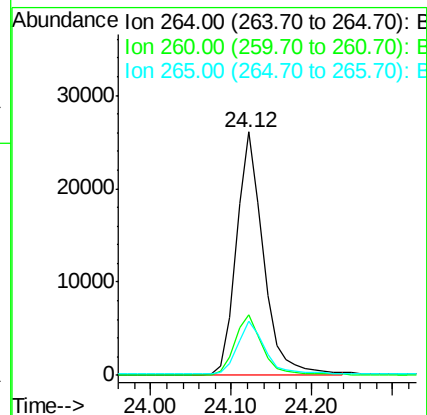
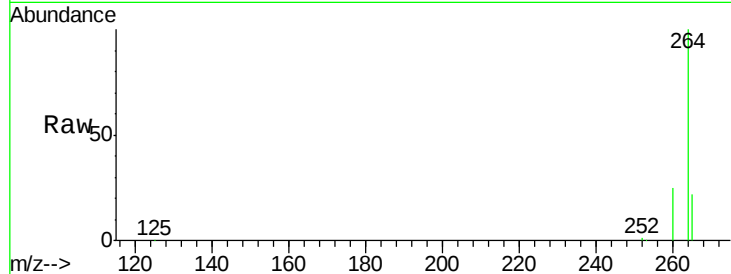
Tgt Ion:264 Resp: 60241

Ion Ratio Lower Upper

264 100

260 24.8 20.1 30.1

265 22.2 17.9 26.9



#32

Benzo(b)fluoranthene

Concen: 0.08 ng

RT: 23.39 min Scan# 1484

Delta R.T. 0.03 min

Lab File: BE092419.D

Acq: 23 Sep 2016 17:21

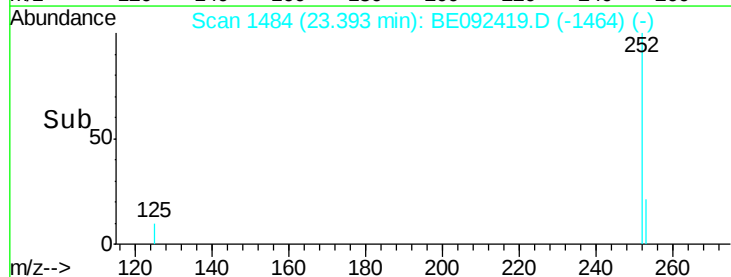
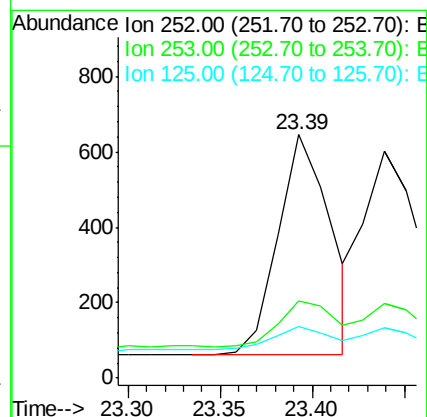
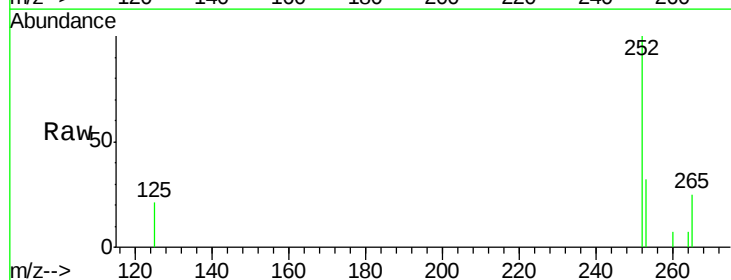
Tgt Ion:252 Resp: 1153

Ion Ratio Lower Upper

252 100

253 31.9 18.7 28.1#

125 21.2 10.5 15.7#





#33

Benzo(k)fluoranthene

Concen: 0.09 ng

RT: 23.44 min Scan# 1488

Delta R.T. 0.03 min

Lab File: BE092419.D

Acq: 23 Sep 2016 17:21

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL2016-01-QT4

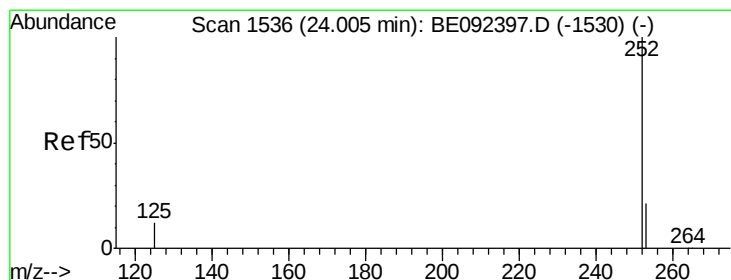
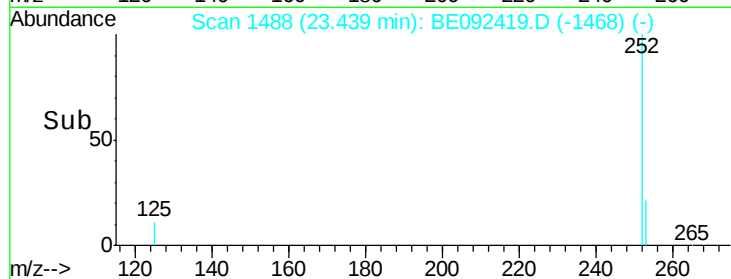
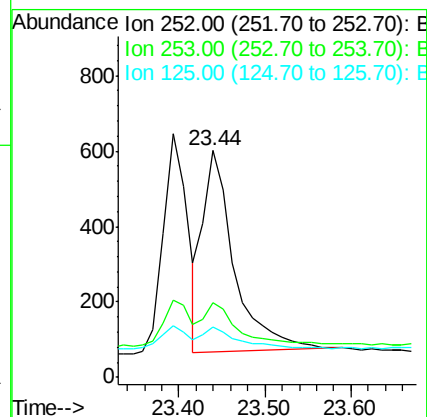
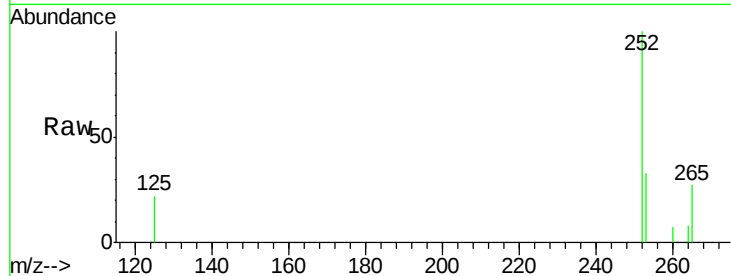
Tgt Ion: 252 Resp: 1356

Ion Ratio Lower Upper

252 100

253 32.8 20.3 30.5#

125 22.1 9.6 14.4#



#34

Benzo(a)pyrene

Concen: 0.08 ng

RT: 24.02 min Scan# 1538

Delta R.T. 0.04 min

Lab File: BE092419.D

Acq: 23 Sep 2016 17:21

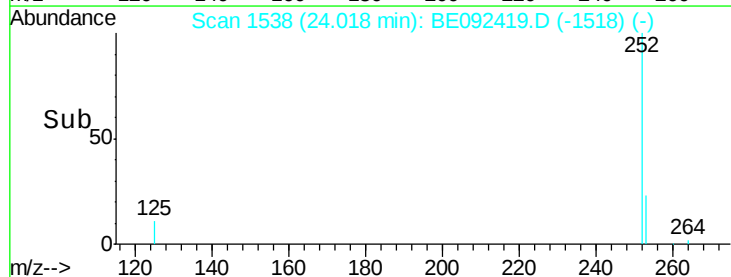
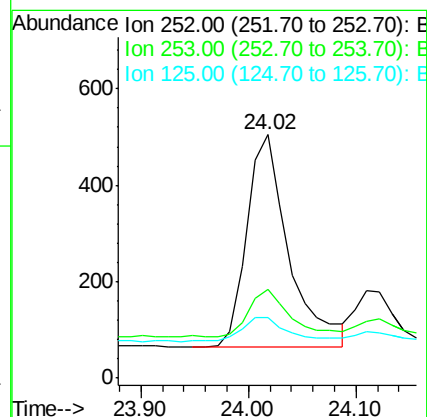
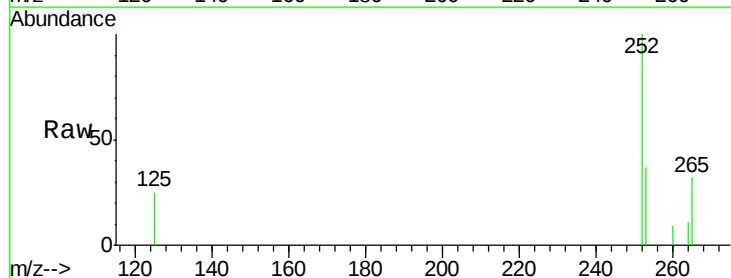
Tgt Ion: 252 Resp: 1182

Ion Ratio Lower Upper

252 100

253 36.6 19.0 28.6#

125 24.8 11.8 17.8#





#35

Dibenzo(a,h)anthracene

Concen: 0.07 ng

RT: 26.68 min Scan# 1721

Delta R.T. 0.09 min

Lab File: BE092419.D

Acq: 23 Sep 2016 17:21

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL2016-01-QT4

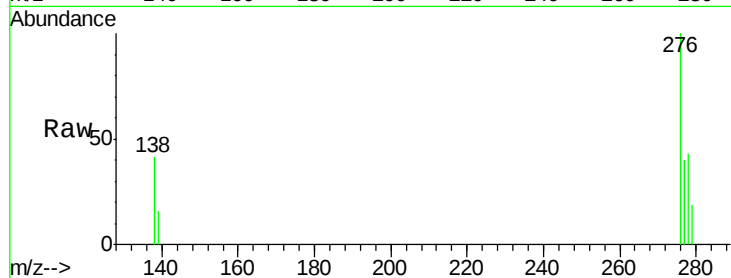
Tgt Ion:278 Resp: 896

Ion Ratio Lower Upper

278 100

139 38.0 13.8 20.8#

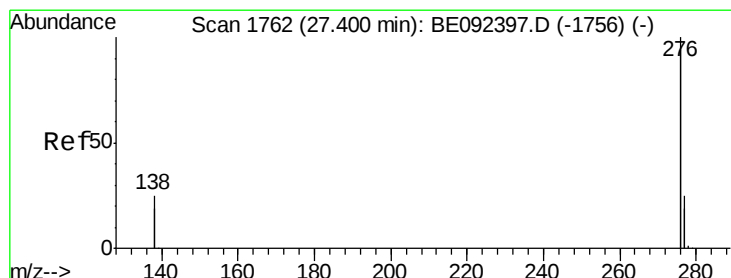
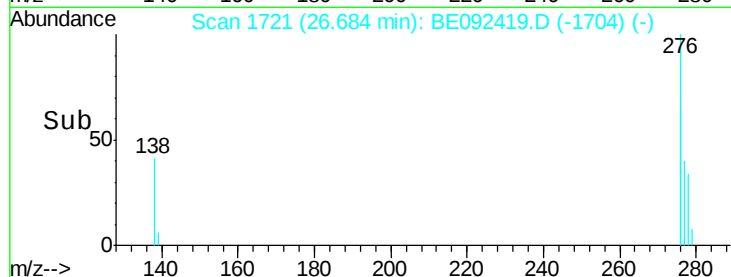
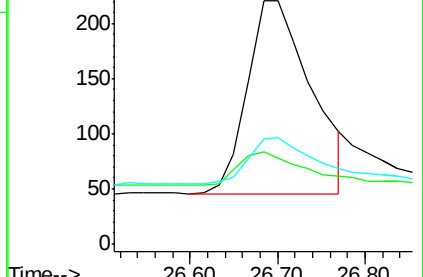
279 43.0 21.4 32.2#



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: 0.08 ng

RT: 27.43 min Scan# 1765

Delta R.T. 0.09 min

Lab File: BE092419.D

Acq: 23 Sep 2016 17:21

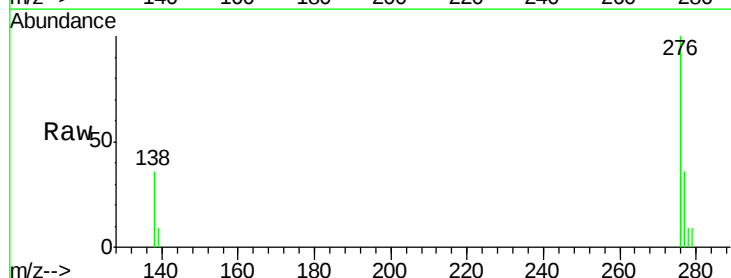
Tgt Ion:276 Resp: 4711

Ion Ratio Lower Upper

276 100

277 36.0 19.8 29.8#

138 36.0 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

