

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE050517\
 Data File : BE092931.D
 Acq On : 5 May 2017 15:39
 Operator : SJ/MA
 Sample : I2872-15
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PT-BNA-SOIL

Quant Time: May 05 16:09:47 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE050517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 05 14:05:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	1454	0.40	ng	0.00
7) Naphthalene-d8	10.53	136	3703	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	1815	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	4491	0.40	ng	0.00
26) Chrysene-d12	21.28	240	4760	0.40	ng	0.00
33) Perylene-d12	23.70	264	4392	0.40	ng	0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.36	112	319839	98.51	ng	0.00
5) Phenol-d6	6.94	99	468044	102.46	ng	0.00
8) Nitrobenzene-d5	8.92	82	278199	111.55	ng	0.02
11) 2-Methylnaphthalene-d10	12.13	152	11	0.00	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	76431	268.96	ng	0.01
15) 2-Fluorobiphenyl	13.02	172	558004	66.87	ng	0.01
24) Fluoranthene-d10	0.00	212	0	0.00	ng	
28) Terphenyl-d14	19.76	244	610345	73.33	ng	0.02

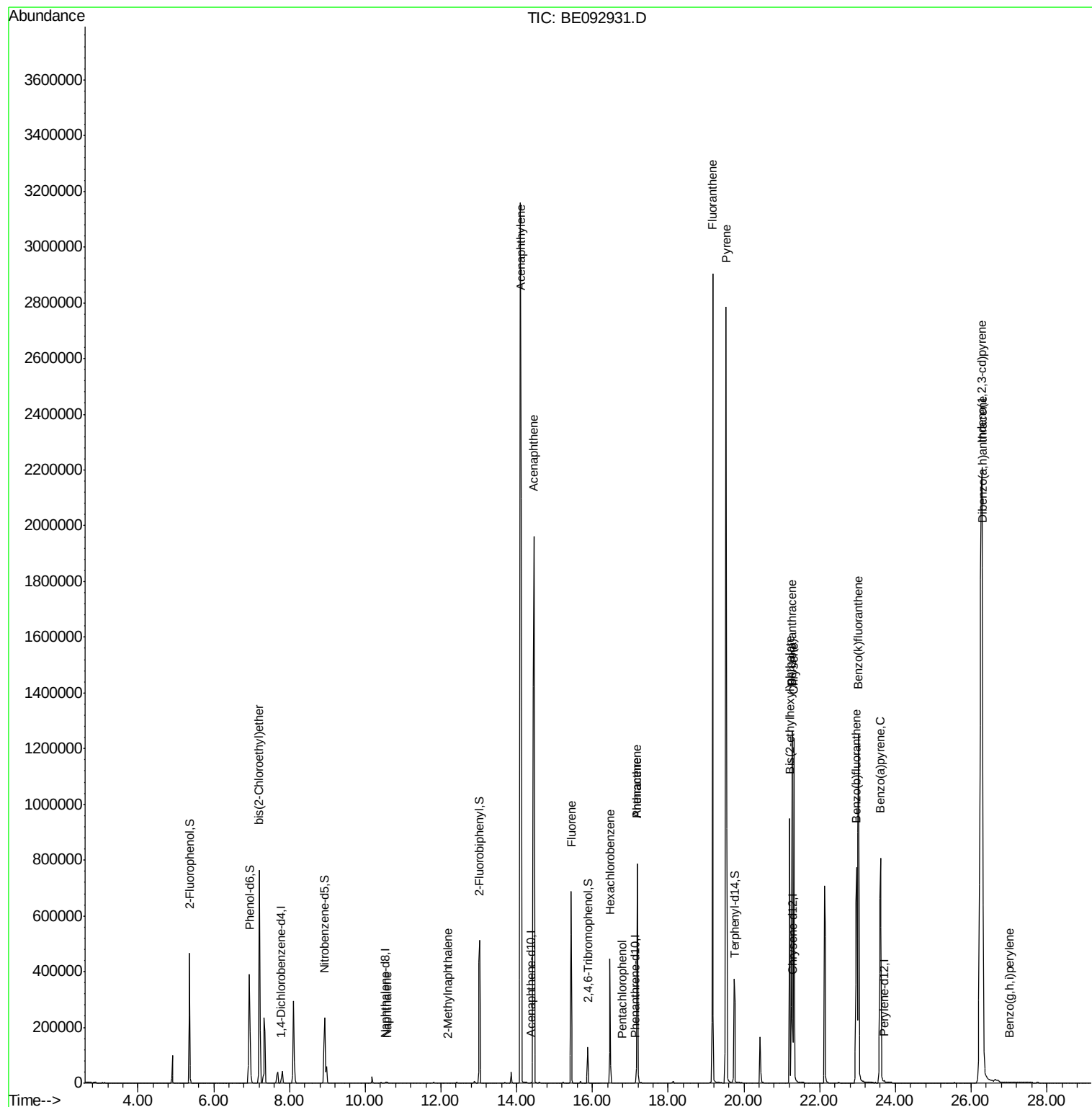
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.20	93	601181	112.44	ng	# 86
9) Naphthalene	10.58	128	4720	0.48	ng	# 86
12) 2-Methylnaphthalene	12.19	142	308	0.05	ng	87
16) Acenaphthylene	14.10	152	4885798	170.29	ng	97
17) Acenaphthene	14.45	154	456672	79.70	ng	96
18) Fluorene	15.44	166	498981	70.49	ng	98
20) Hexachlorobenzene	16.47	284	391010	204.11	ng	# 100
21) Pentachlorophenol	16.79	266	21	0.19	ng	98
22) Phenanthrene	17.18	178	889490	70.36	ng	95
23) Anthracene	17.18	178	889935	92.43	ng	97
25) Fluoranthene	19.17	202	3497325	64.05	ng	# 96
27) Pyrene	19.53	202	3879743	63.20	ng	# 96
29) Benzo(a)anthracene	21.27	228	1304509	116.66	ng	# 85
30) Chrysene	21.32	228	1276895	89.85	ng	# 89
31) Bis(2-ethylhexyl)phthalate	21.21	149	1224968	401.27	ng	# 100
32) Indeno(1,2,3-cd)pyrene	26.27	276	5724008	111.60	ng	95
34) Benzo(b)fluoranthene	22.97	252	1292379	89.93	ng	# 82
35) Benzo(k)fluoranthene	23.03	252	2003693	139.60	ng	# 79
36) Benzo(a)pyrene	23.61	252	1390999	118.47	ng	# 72
37) Dibenzo(a,h)anthracene	26.30	278	1438154	108.73	ng	# 74
38) Benzo(g,h,i)perylene	27.00	276	3462	0.06	ng	96

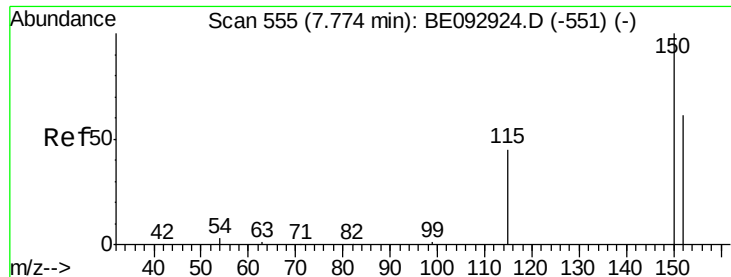
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.77 min Scan# 555

Delta R.T. -0.00 min

Lab File: BE092931.D

Acq: 5 May 2017 15:39

Instrument :

BNA_E

ClientSampled :

PT-BNA-SOIL

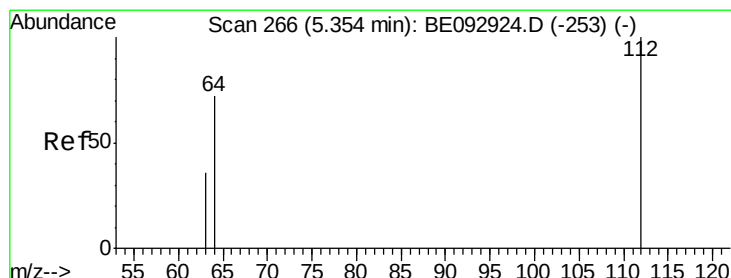
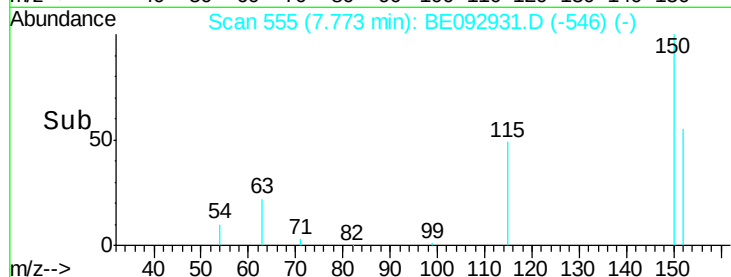
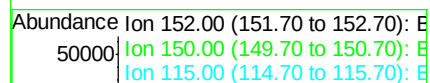
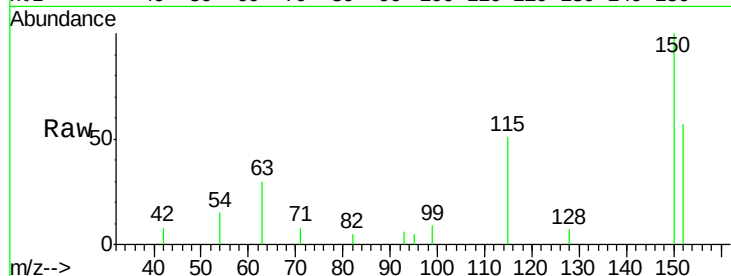
Tgt Ion:152 Resp: 1454

Ion Ratio Lower Upper

152 100

150 176.8 129.9 194.9

115 90.7 62.6 93.8



#4

2-Fluorophenol

Concen: 98.51 ng

RT: 5.36 min Scan# 267

Delta R.T. 0.01 min

Lab File: BE092931.D

Acq: 5 May 2017 15:39

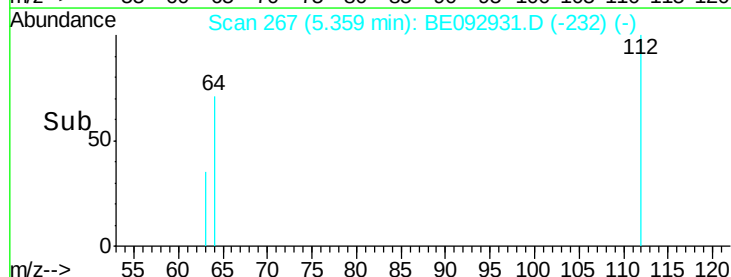
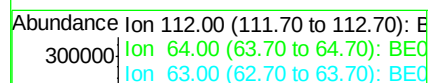
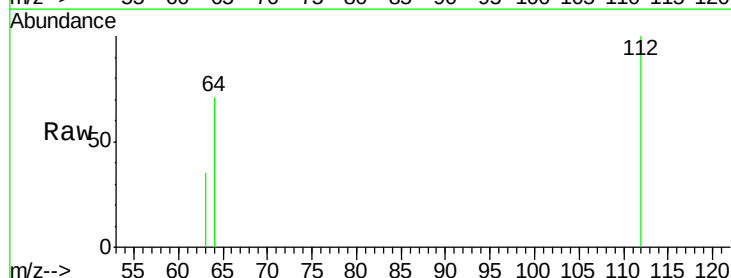
Tgt Ion:112 Resp: 319839

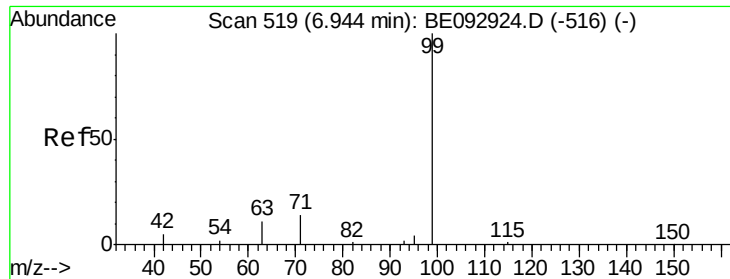
Ion Ratio Lower Upper

112 100

64 71.2 52.6 79.0

63 36.5 29.0 43.4





#5

Phenol-d6

Concen: 102.46 ng

RT: 6.94 min Scan# 519

Delta R.T. -0.00 min

Lab File: BE092931.D

Acq: 5 May 2017 15:39

Instrument :

BNA_E

ClientSampleId :

PT-BNA-SOIL

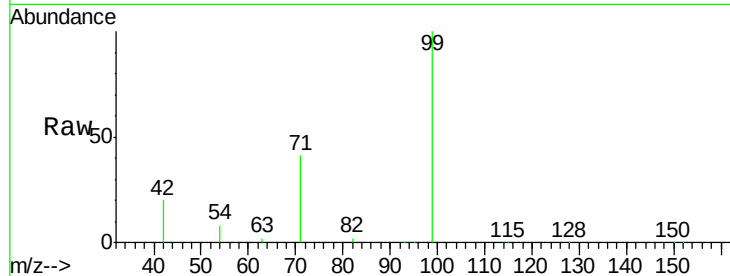
Tgt Ion: 99 Resp: 468044

Ion Ratio Lower Upper

99 100

42 22.5 0.0 0.0#

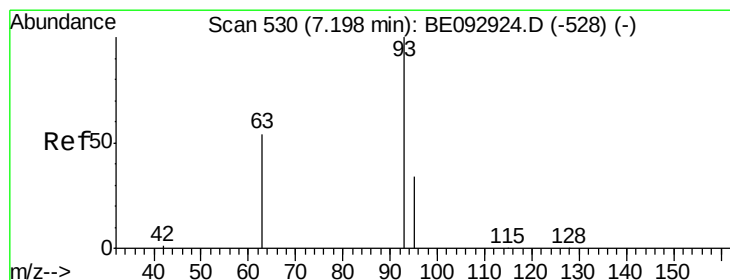
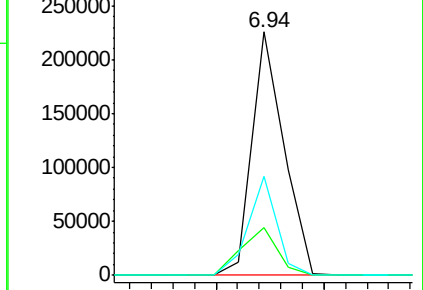
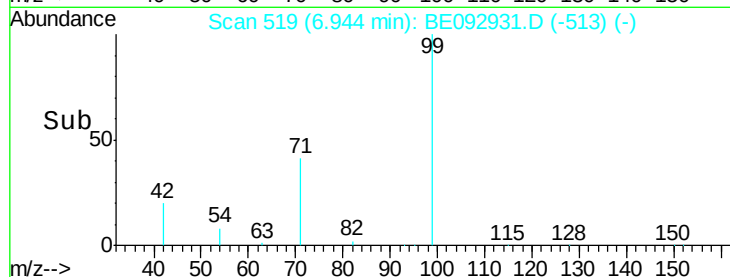
71 36.2 0.0 0.0#



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: 112.44 ng

RT: 7.20 min Scan# 530

Delta R.T. -0.00 min

Lab File: BE092931.D

Acq: 5 May 2017 15:39

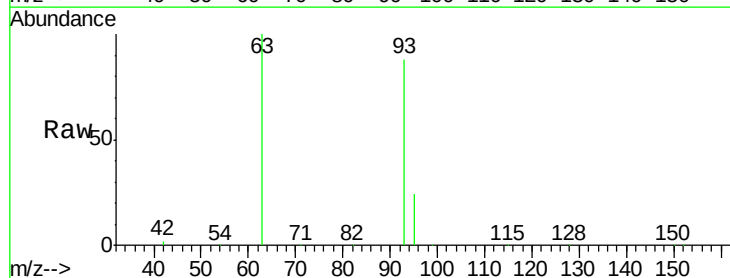
Tgt Ion: 93 Resp: 601181

Ion Ratio Lower Upper

93 100

63 92.7 61.2 91.8#

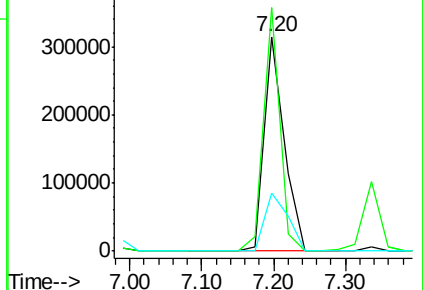
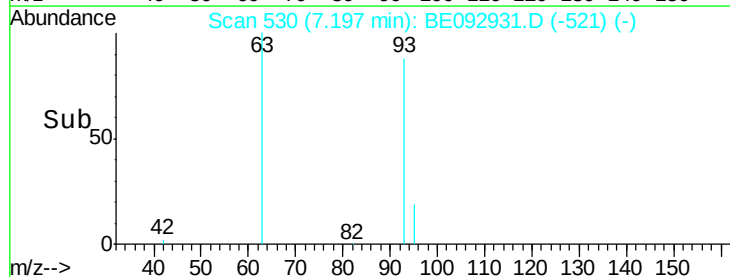
95 31.3 25.5 38.3

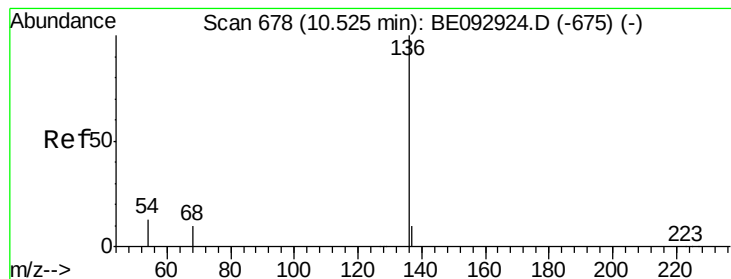


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.53 min Scan# 678

Delta R.T. 0.00 min

Lab File: BE092931.D

Acq: 5 May 2017 15:39

Instrument :

BNA_E

ClientSampleId :

PT-BNA-SOIL

Tgt Ion: 136 Resp: 3703

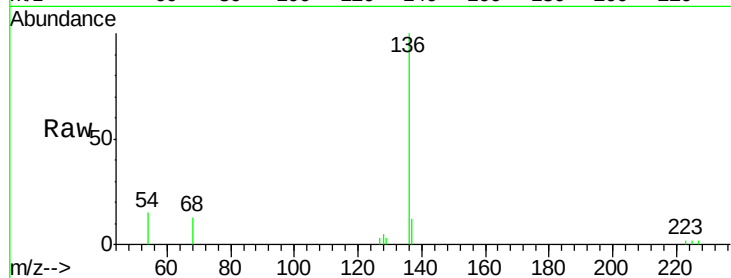
Ion Ratio Lower Upper

136 100

137 12.2 10.4 15.6

54 15.4 12.6 18.8

68 13.2 10.7 16.1

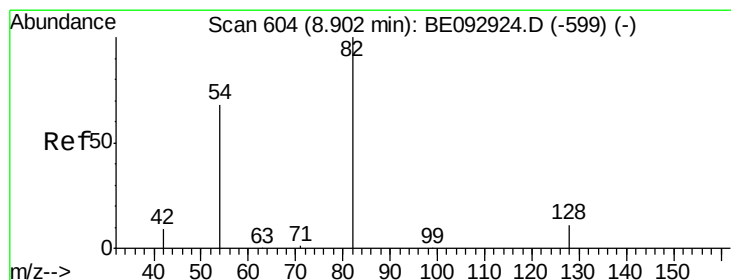
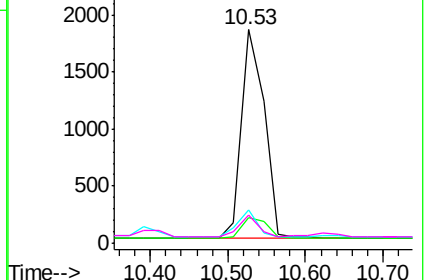
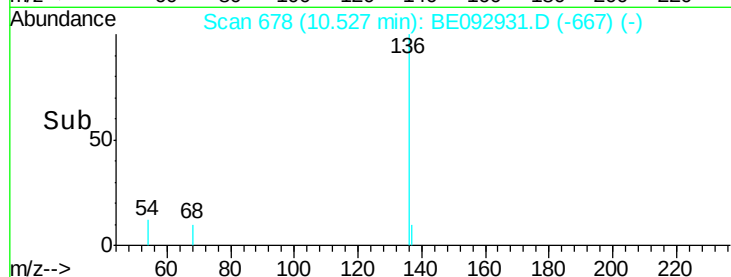


Abundance Ion 136.00 (135.70 to 136.70): E

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: 111.55 ng

RT: 8.92 min Scan# 605

Delta R.T. 0.02 min

Lab File: BE092931.D

Acq: 5 May 2017 15:39

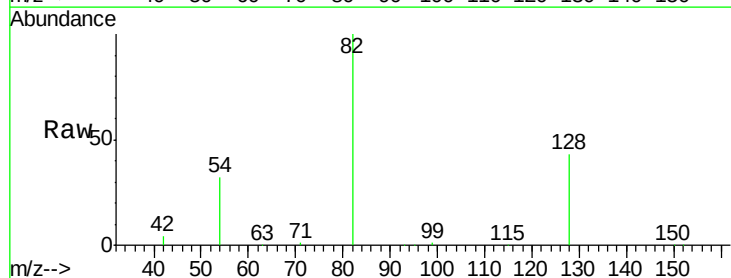
Tgt Ion: 82 Resp: 278199

Ion Ratio Lower Upper

82 100

128 43.5 35.3 52.9

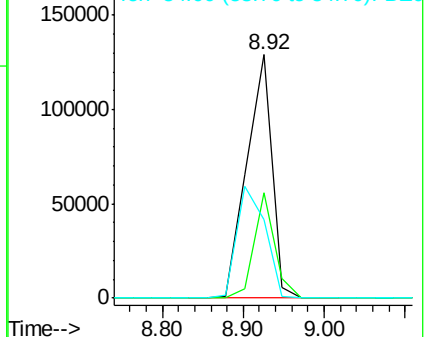
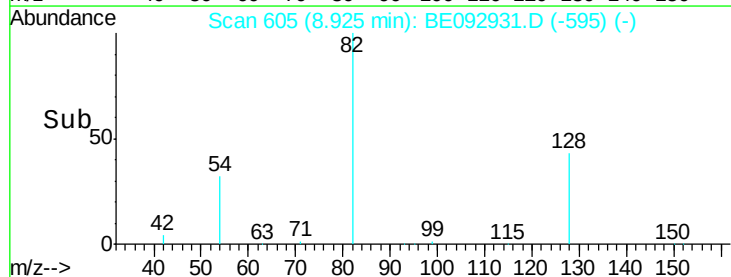
54 32.5 65.1 97.7#

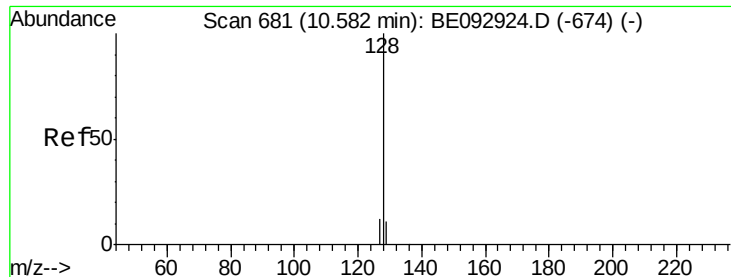


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.48 ng

RT: 10.58 min Scan# 681

Delta R.T. 0.00 min

Lab File: BE092931.D

Acq: 5 May 2017 15:39

Instrument :

BNA_E

ClientSampleId :

PT-BNA-SOIL

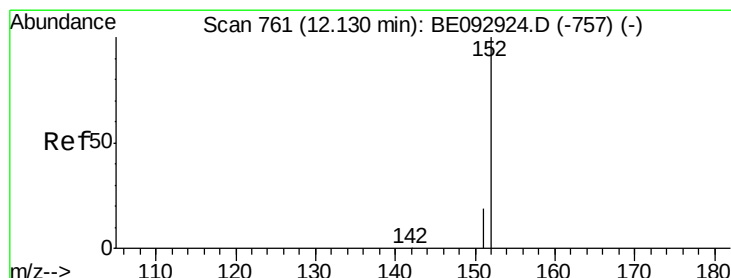
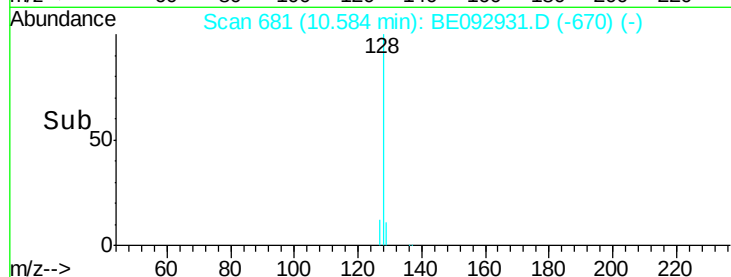
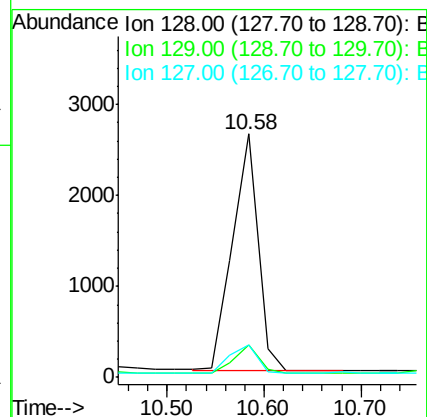
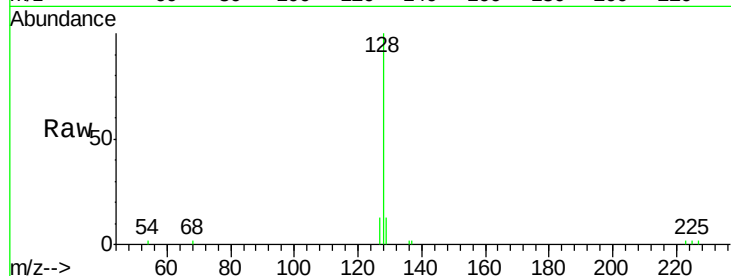
Tgt Ion:128 Resp: 4720

Ion Ratio Lower Upper

128 100

129 13.3 15.8 23.8#

127 13.4 16.0 24.0#



#11

2-Methylnaphthalene-d10

Concen: 0.00 ng

RT: 12.13 min Scan# 761

Delta R.T. -0.00 min

Lab File: BE092931.D

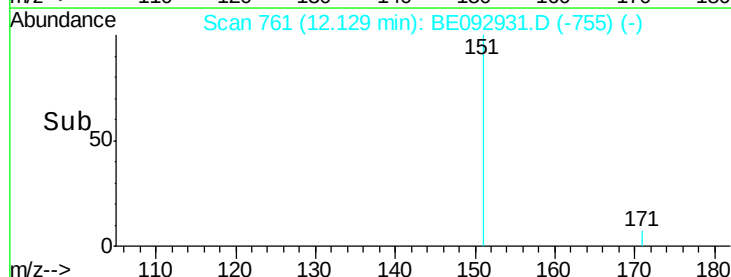
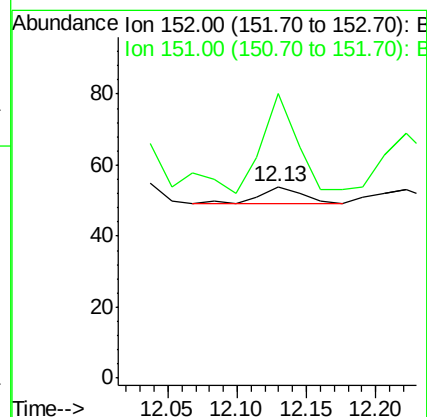
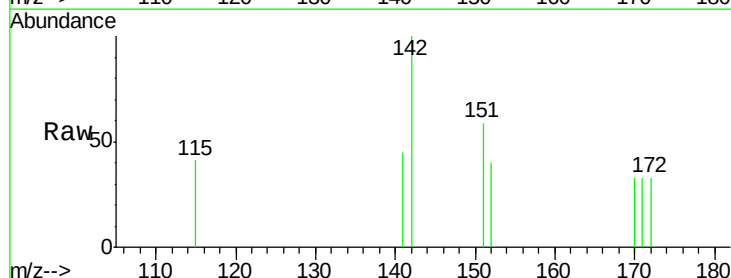
Acq: 5 May 2017 15:39

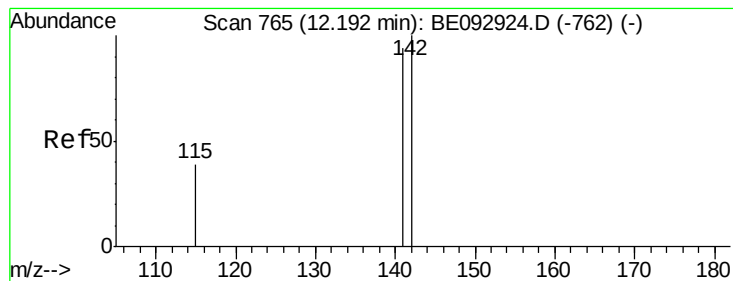
Tgt Ion:152 Resp: 11

Ion Ratio Lower Upper

152 100

151 436.4 15.7 23.5#





#12

2-Methylnaphthalene

Concen: 0.05 ng

RT: 12.19 min Scan# 765

Delta R.T. -0.00 min

Lab File: BE092931.D

Acq: 5 May 2017 15:39

Instrument :

BNA_E

ClientSampleId :

PT-BNA-SOIL

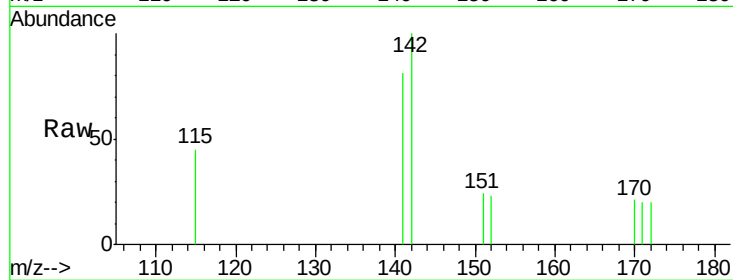
Tgt Ion:142 Resp: 308

Ion Ratio Lower Upper

142 100

141 80.5 76.0 114.0

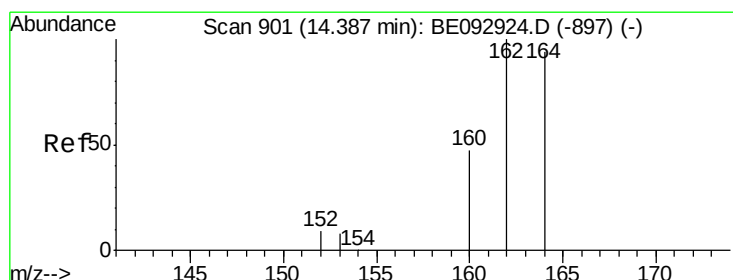
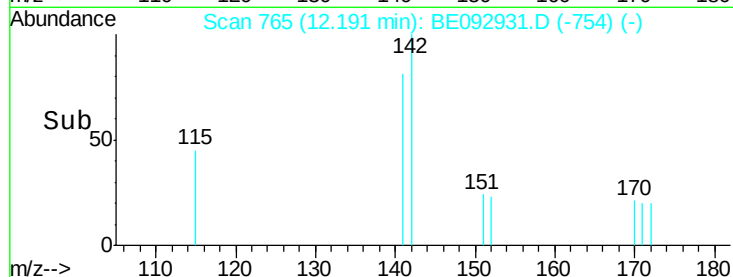
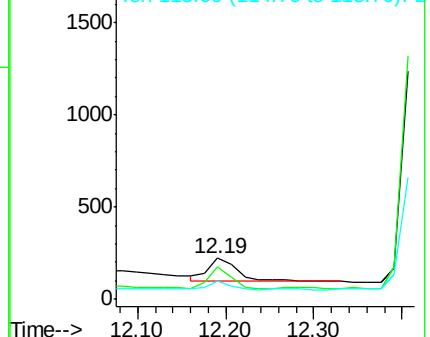
115 44.8 41.6 62.4



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



#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.39 min Scan# 901

Delta R.T. -0.00 min

Lab File: BE092931.D

Acq: 5 May 2017 15:39

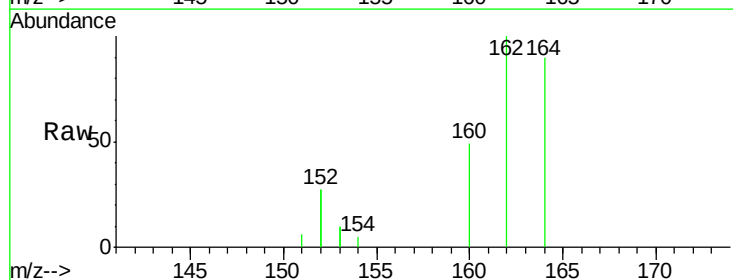
Tgt Ion:164 Resp: 1815

Ion Ratio Lower Upper

164 100

162 110.8 86.6 130.0

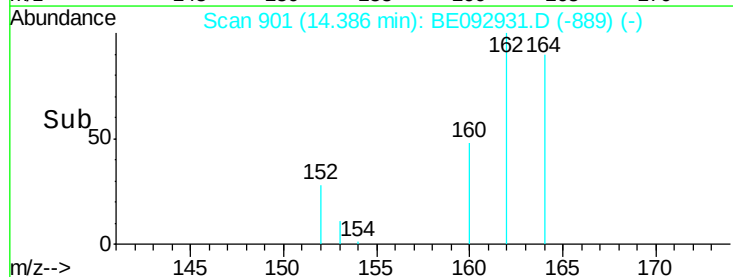
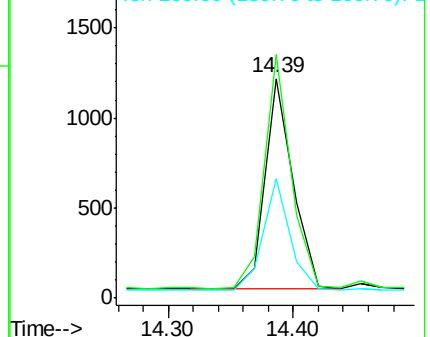
160 54.6 44.5 66.7

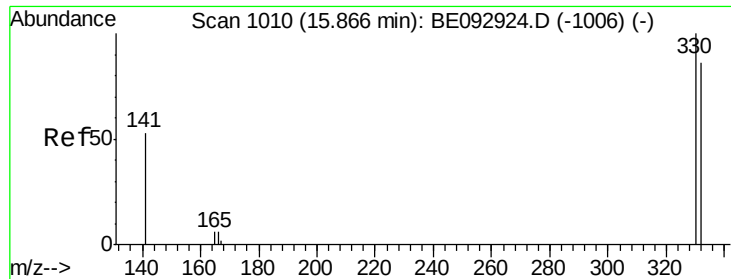


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

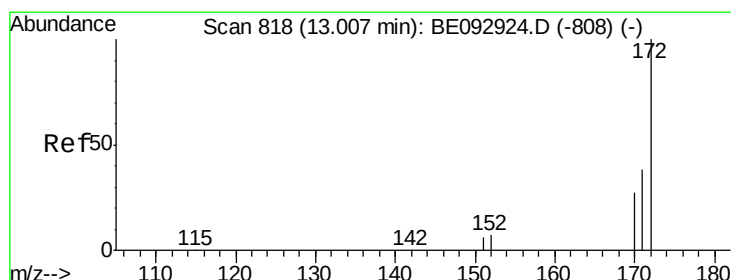
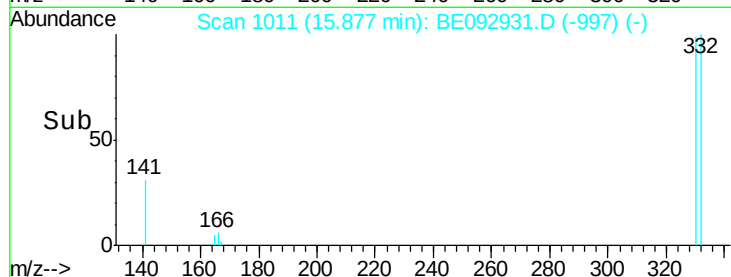
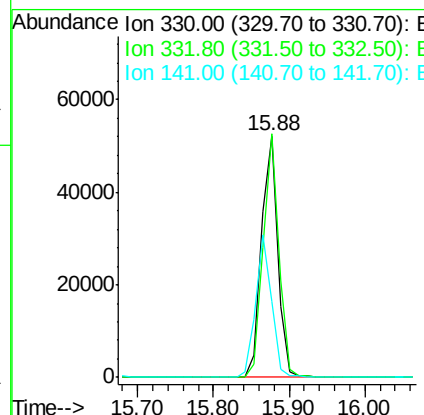
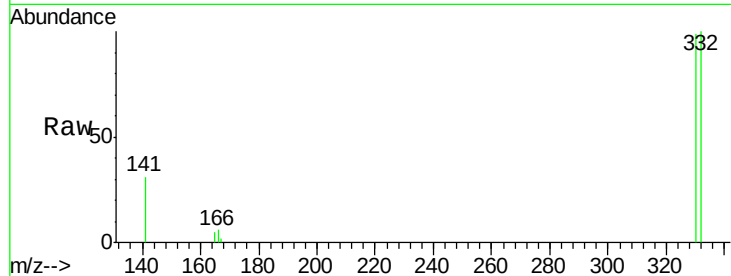




#14
 2,4,6-Tribromophenol
 Concen: 268.96 ng
 RT: 15.88 min Scan# 1011
 Delta R.T. 0.01 min
 Lab File: BE092931.D
 Acq: 5 May 2017 15:39

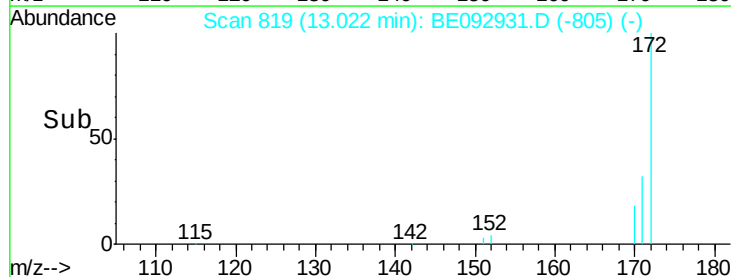
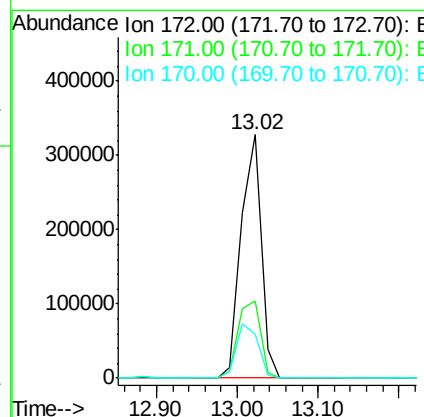
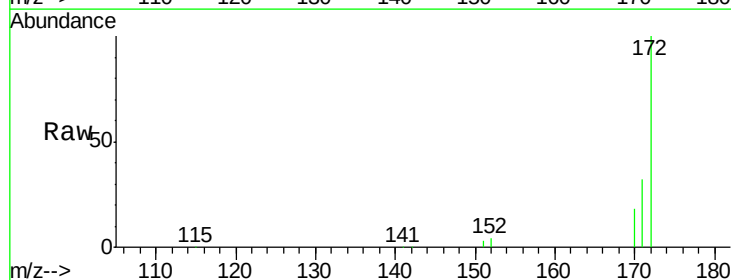
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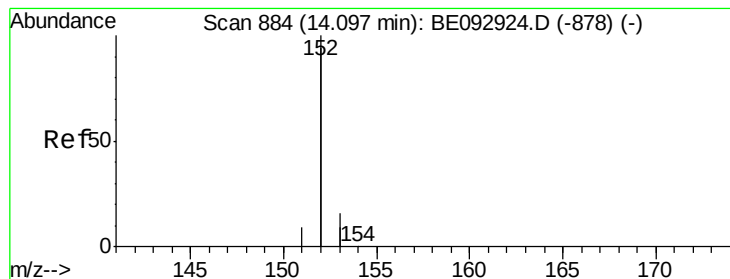
Tgt Ion:330 Resp: 76431
 Ion Ratio Lower Upper
 330 100
 332 97.0 69.1 103.7
 141 57.4 54.6 81.8



#15
 2-Fluorobiphenyl
 Concen: 66.87 ng
 RT: 13.02 min Scan# 819
 Delta R.T. 0.01 min
 Lab File: BE092931.D
 Acq: 5 May 2017 15:39

Tgt Ion:172 Resp: 558004
 Ion Ratio Lower Upper
 172 100
 171 31.5 35.8 53.6#
 170 18.2 28.5 42.7#





#16

Acenaphthylene

Concen: 170.29 ng

RT: 14.10 min Scan# 884

Delta R.T. -0.00 min

Lab File: BE092931.D

Acq: 5 May 2017 15:39

Instrument :

BNA_E

ClientSampleId :

PT-BNA-SOIL

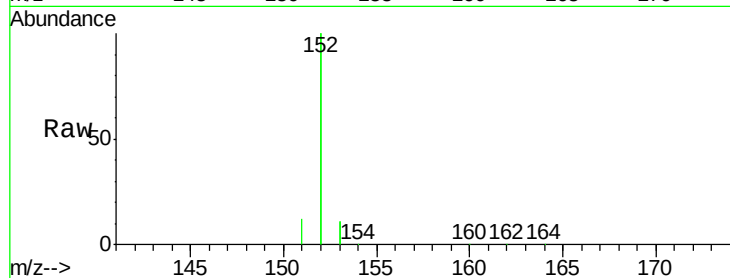
Tgt Ion:152 Resp: 4885798

Ion Ratio Lower Upper

152 100

151 5.1 3.8 5.8

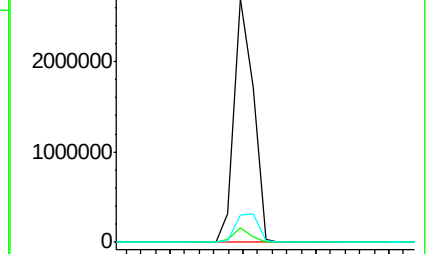
153 13.8 10.0 15.0



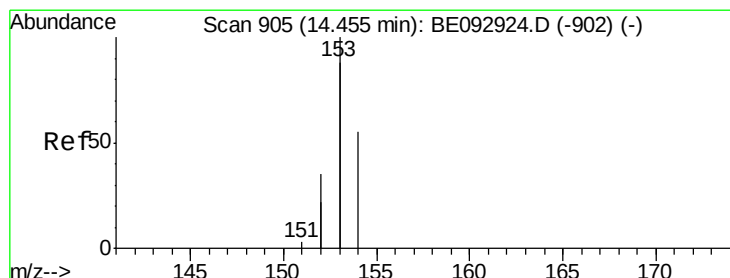
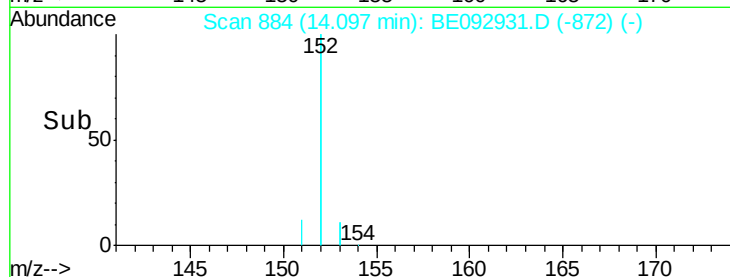
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->



#17

Acenaphthene

Concen: 79.70 ng

RT: 14.45 min Scan# 905

Delta R.T. -0.00 min

Lab File: BE092931.D

Acq: 5 May 2017 15:39

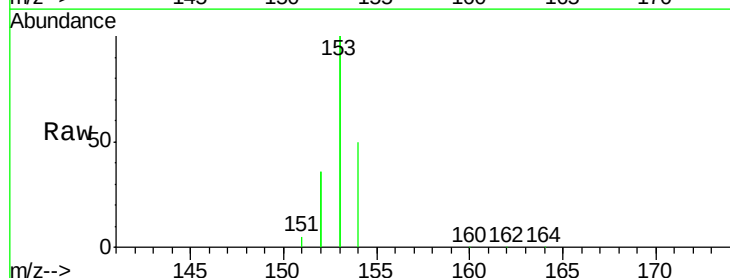
Tgt Ion:154 Resp: 456672

Ion Ratio Lower Upper

154 100

153 457.1 355.6 533.4

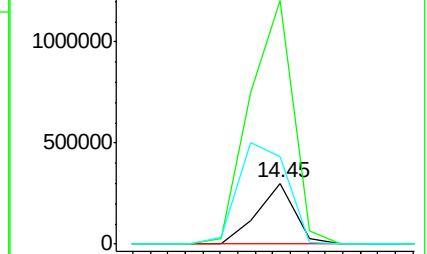
152 219.2 177.8 266.8



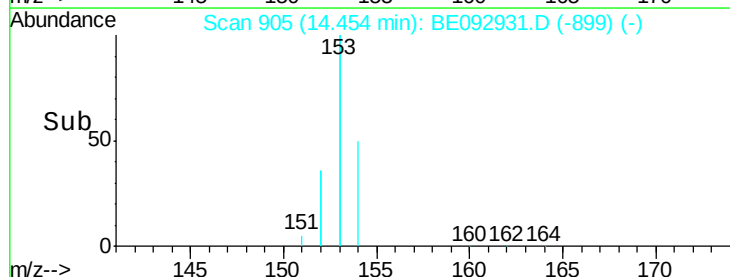
Abundance Ion 154.00 (153.70 to 154.70): E

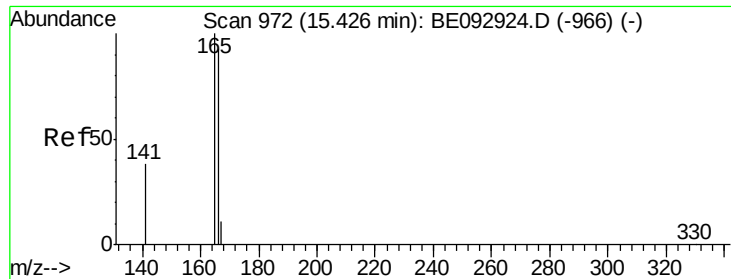
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



Time-->





#18

Fluorene

Concen: 70.49 ng

RT: 15.44 min Scan# 973

Delta R.T. 0.01 min

Lab File: BE092931.D

Acq: 5 May 2017 15:39

Instrument :

BNA_E

ClientSampleId :

PT-BNA-SOIL

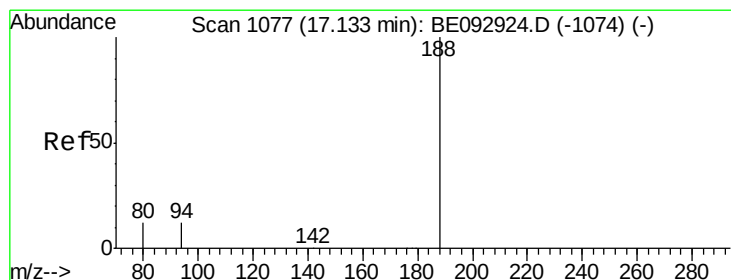
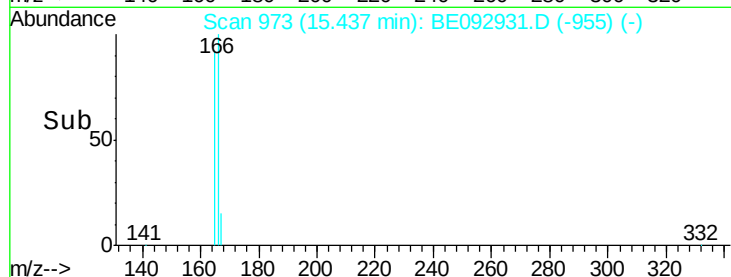
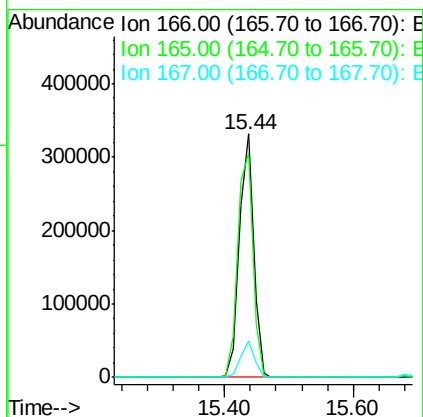
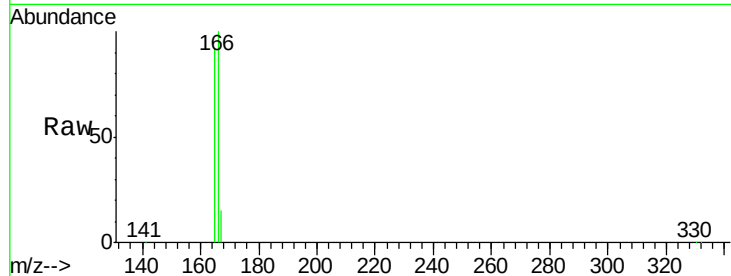
Tgt Ion:166 Resp: 498981

Ion Ratio Lower Upper

166 100

165 98.9 80.7 121.1

167 14.3 11.3 16.9



#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.13 min Scan# 1078

Delta R.T. 0.00 min

Lab File: BE092931.D

Acq: 5 May 2017 15:39

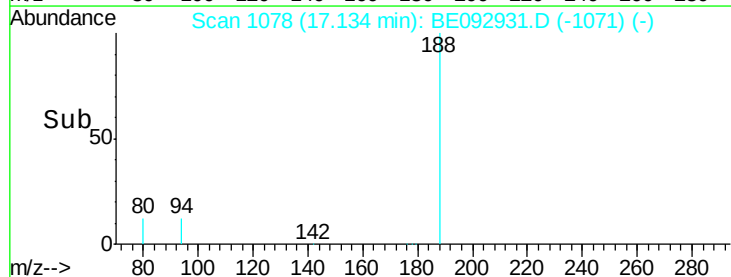
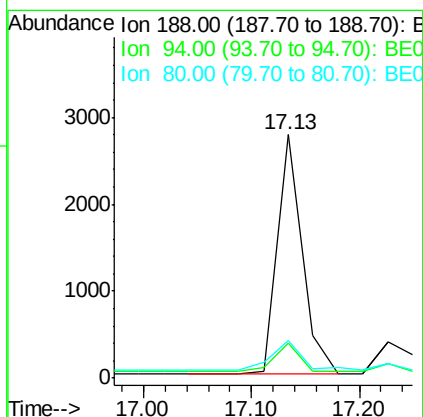
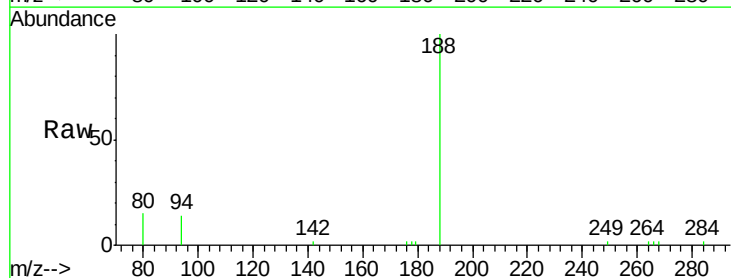
Tgt Ion:188 Resp: 4491

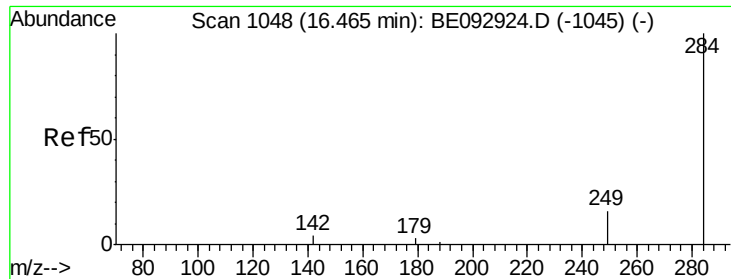
Ion Ratio Lower Upper

188 100

94 14.3 10.2 15.4

80 15.2 10.6 15.8





#20

Hexachlorobenzene

Concen: 204.11 ng

RT: 16.47 min Scan# 1049

Delta R.T. 0.00 min

Lab File: BE092931.D

Acq: 5 May 2017 15:39

Instrument :

BNA_E

ClientSampled :

PT-BNA-SOIL

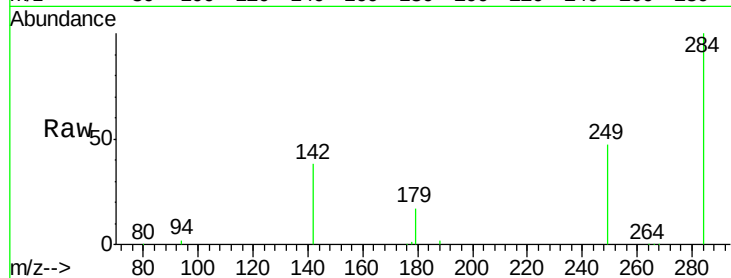
Tgt Ion:284 Resp: 391010

Ion Ratio Lower Upper

284 100

142 53.0 0.0 0.0#

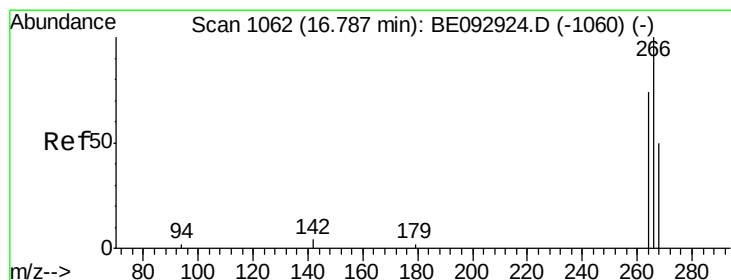
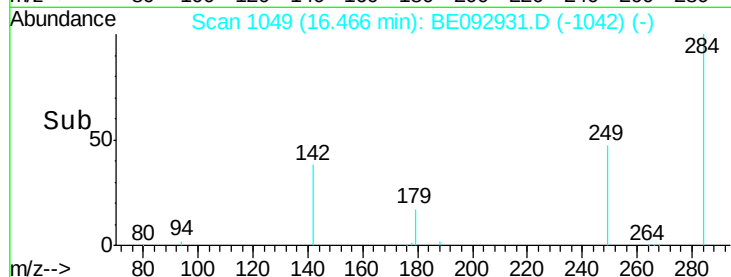
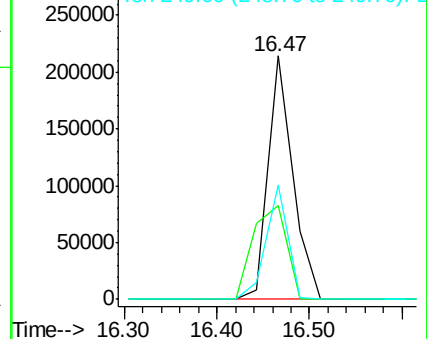
249 41.6 0.0 0.0#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#21

Pentachlorophenol

Concen: 0.19 ng

RT: 16.79 min Scan# 1063

Delta R.T. 0.00 min

Lab File: BE092931.D

Acq: 5 May 2017 15:39

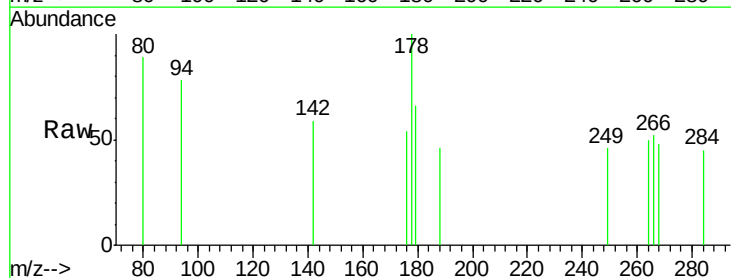
Tgt Ion:266 Resp: 21

Ion Ratio Lower Upper

266 100

264 96.2 75.4 113.2

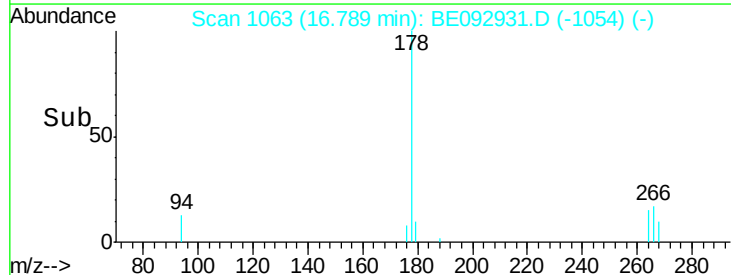
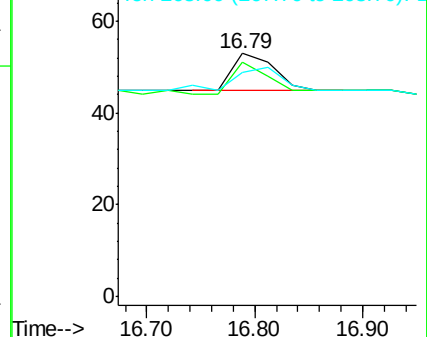
268 92.5 75.4 113.2

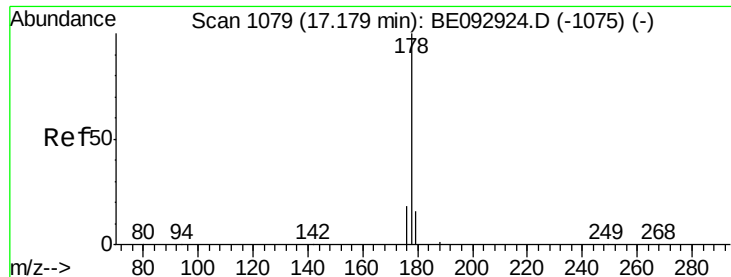


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#22

Phenanthrene

Concen: 70.36 ng

RT: 17.18 min Scan# 1080

Delta R.T. 0.00 min

Lab File: BE092931.D

Acq: 5 May 2017 15:39

Instrument :

BNA_E

ClientSampleId :

PT-BNA-SOIL

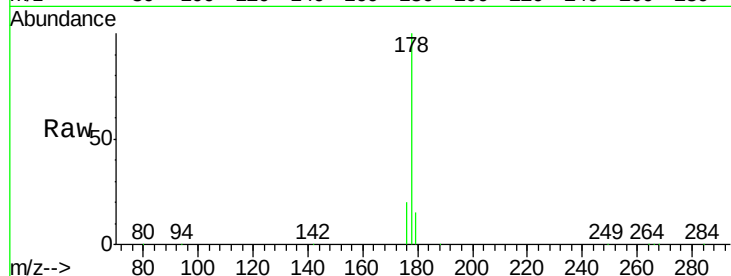
Tgt Ion:178 Resp: 889490

Ion Ratio Lower Upper

178 100

176 20.2 14.2 21.4

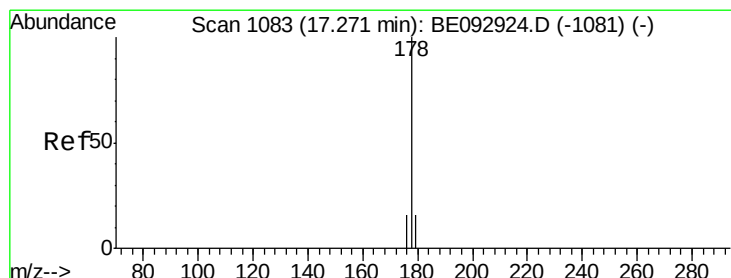
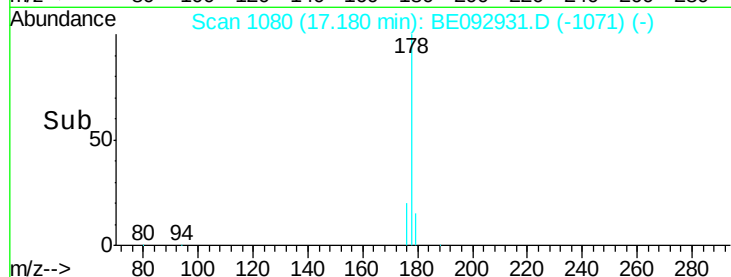
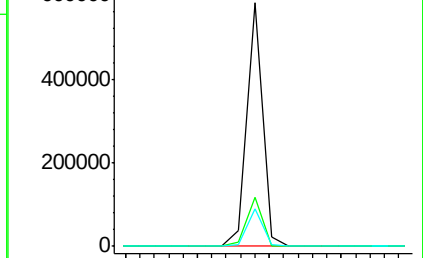
179 15.4 13.6 20.4



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: 92.43 ng

RT: 17.18 min Scan# 1080

Delta R.T. -0.09 min

Lab File: BE092931.D

Acq: 5 May 2017 15:39

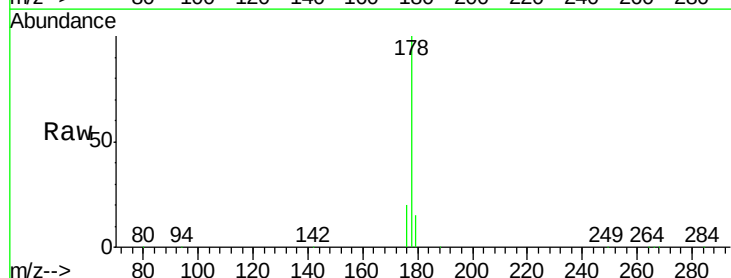
Tgt Ion:178 Resp: 889935

Ion Ratio Lower Upper

178 100

176 20.2 14.7 22.1

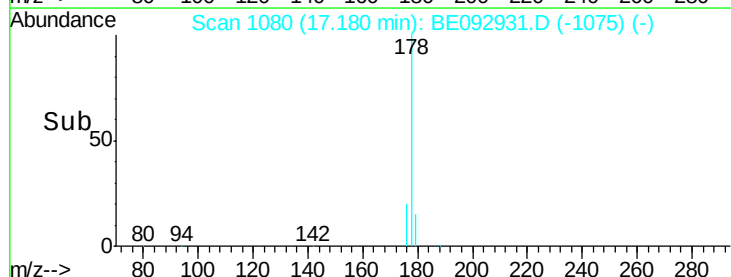
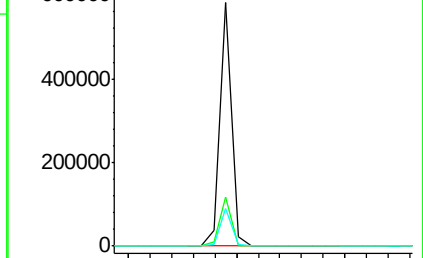
179 15.4 12.8 19.2

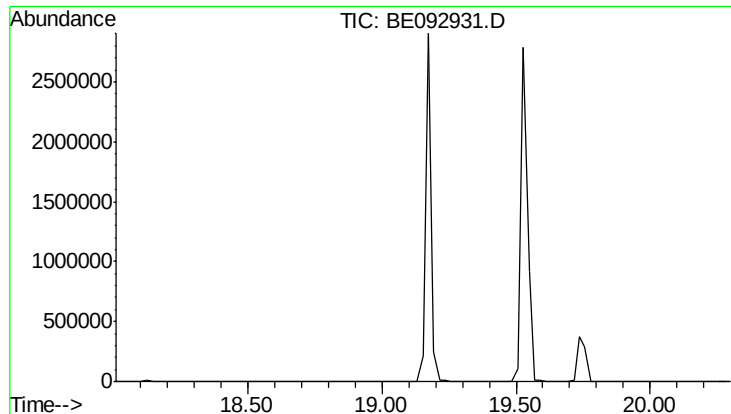


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

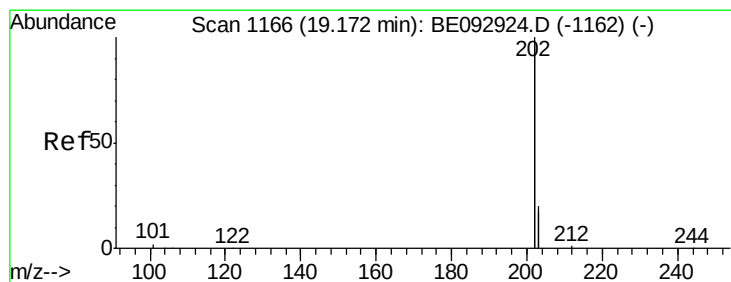
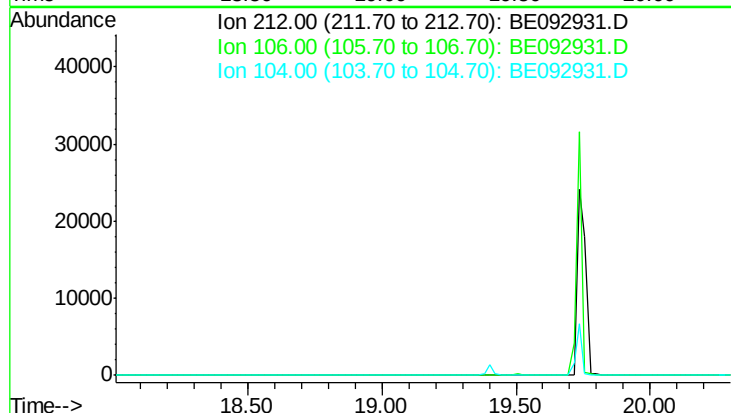




#24
 Fluoranthene-d10
 Concen: 0.00 ng
 Expected RT: 19.15 min
 Lab File: BE092931.D
 Acq: 5 May 2017 15:39

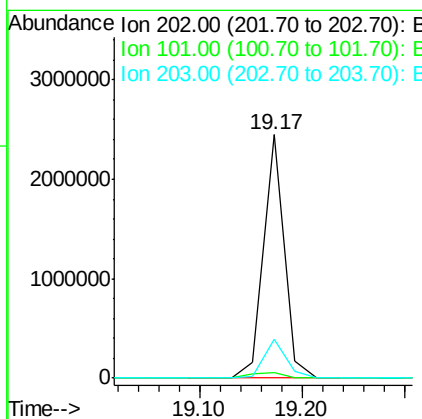
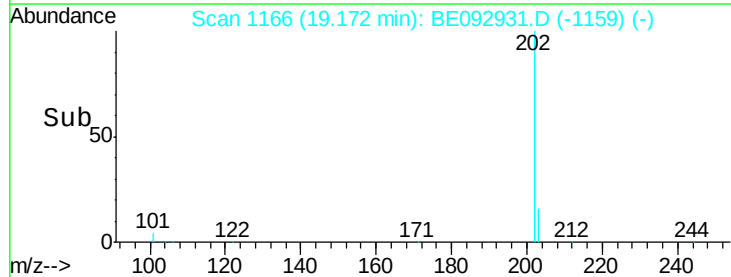
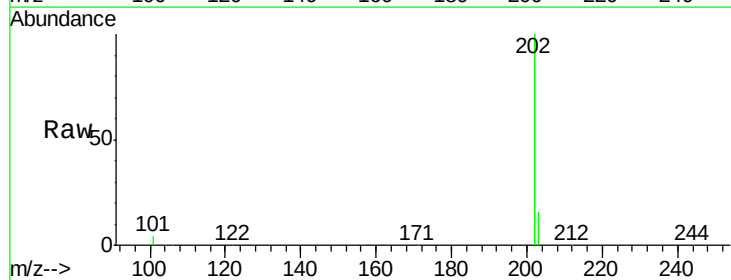
Instrument :
 BNA_E
 ClientSampleId :
 PT-BNA-SOIL

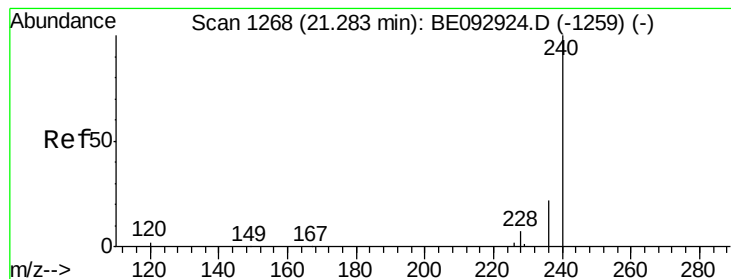
Tgt Ion: 212
 Sig Exp Ratio
 212 100
 106 0.0
 104 0.0



#25
 Fluoranthene
 Concen: 64.05 ng
 RT: 19.17 min Scan# 1166
 Delta R.T. 0.00 min
 Lab File: BE092931.D
 Acq: 5 May 2017 15:39

Tgt Ion: 202 Resp: 3497325
 Ion Ratio Lower Upper
 202 100
 101 3.5 0.0 0.0#
 203 17.2 15.3 22.9





#26

Chrysene-d12

Concen: 0.40 ng

RT: 21.28 min Scan# 1268

Delta R.T. -0.00 min

Lab File: BE092931.D

Acq: 5 May 2017 15:39

Instrument :

BNA_E

ClientSampleId :

PT-BNA-SOIL

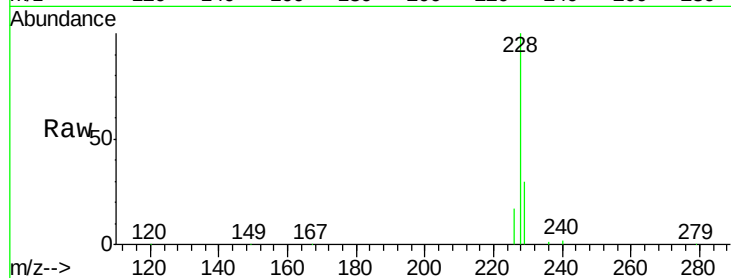
Tgt Ion:240 Resp: 4760

Ion Ratio Lower Upper

240 100

120 13.0 4.6 6.8#

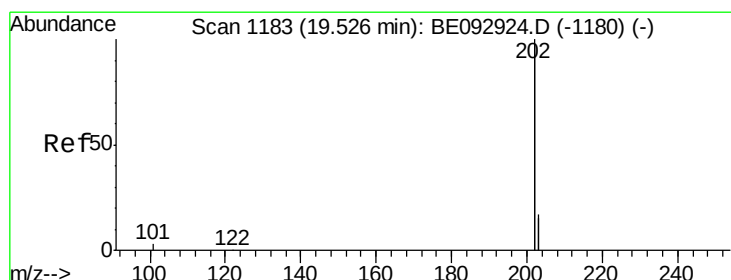
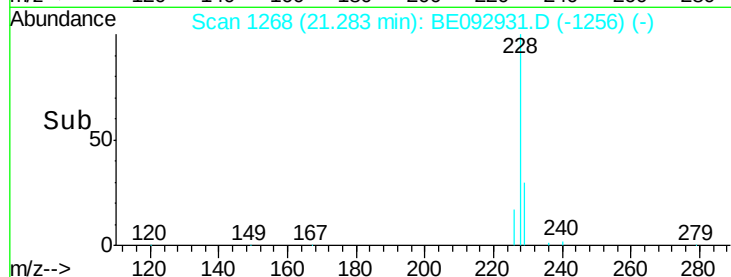
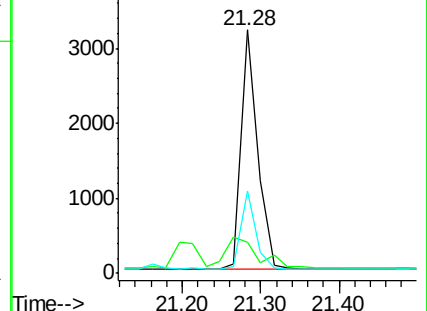
236 34.0 19.8 29.8#



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



#27

Pyrene

Concen: 63.20 ng

RT: 19.53 min Scan# 1183

Delta R.T. 0.00 min

Lab File: BE092931.D

Acq: 5 May 2017 15:39

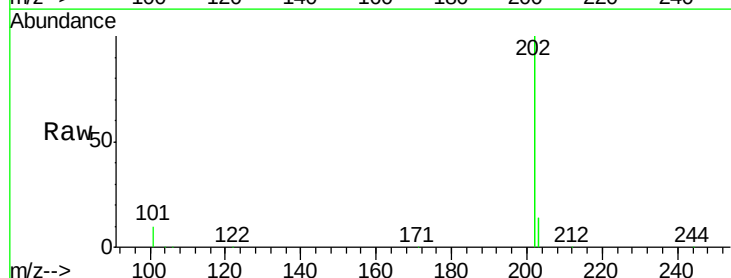
Tgt Ion:202 Resp: 3879743

Ion Ratio Lower Upper

202 100

200 0.0 0.0 0.0

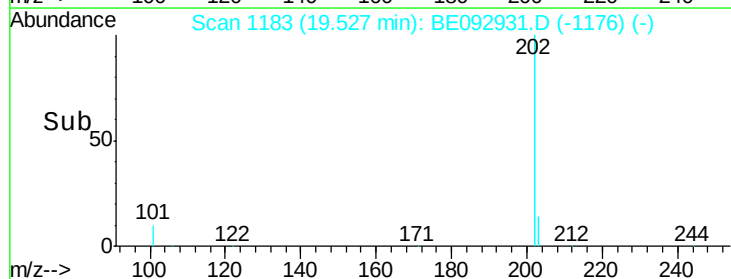
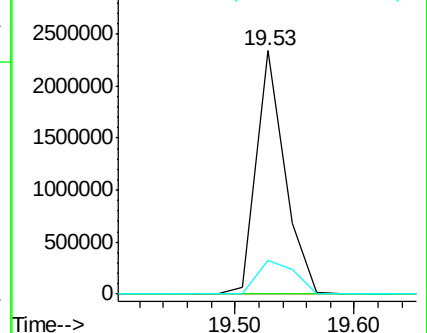
203 18.4 13.5 20.3

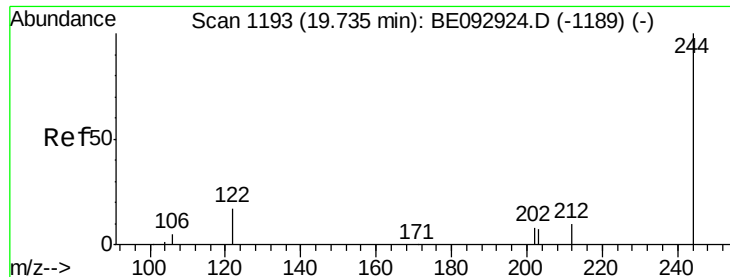


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

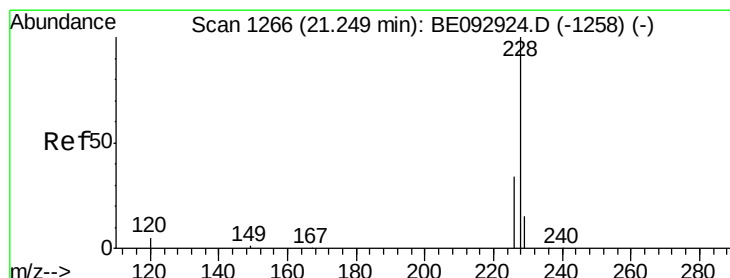
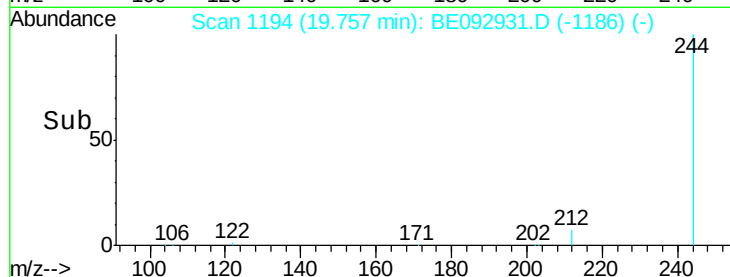
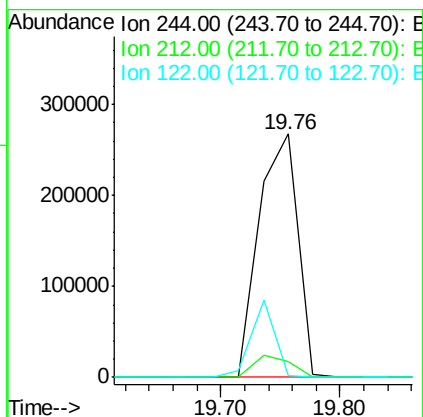
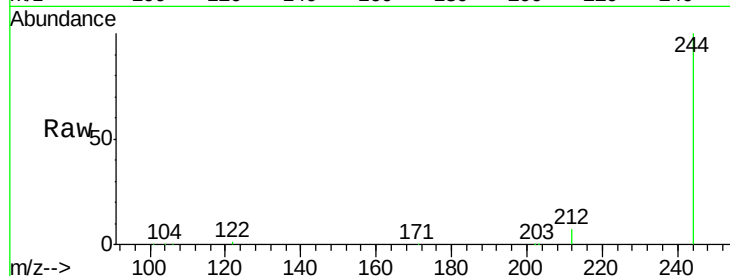




#28
 Terphenyl-d14
 Concen: 73.33 ng
 RT: 19.76 min Scan# 1194
 Delta R.T. 0.02 min
 Lab File: BE092931.D
 Acq: 5 May 2017 15:39

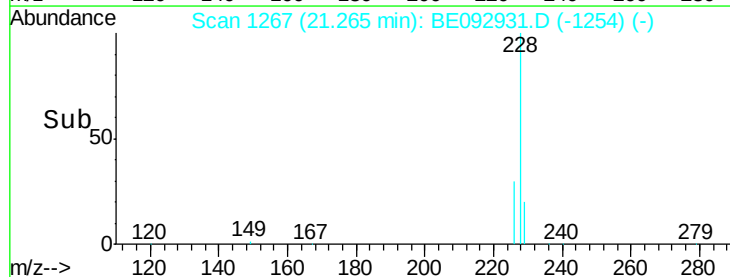
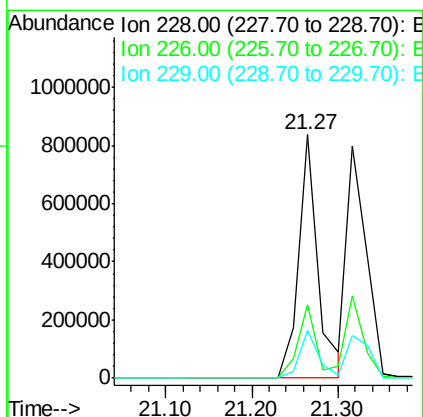
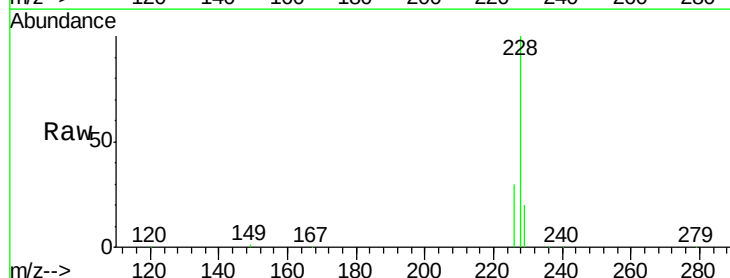
Instrument :
 BNA_E
 ClientSampleId :
 PT-BNA-SOIL

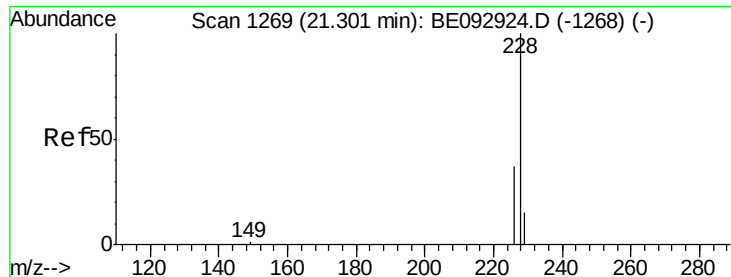
Tgt Ion:244 Resp: 610345
 Ion Ratio Lower Upper
 244 100
 212 6.7 18.4 27.6#
 122 0.6 23.3 34.9#



#29
 Benzo(a)anthracene
 Concen: 116.66 ng
 RT: 21.27 min Scan# 1267
 Delta R.T. 0.02 min
 Lab File: BE092931.D
 Acq: 5 May 2017 15:39

Tgt Ion:228 Resp: 1304509
 Ion Ratio Lower Upper
 228 100
 226 30.4 32.0 48.0#
 229 19.7 21.4 32.0#





#30

Chrysene

Concen: 89.85 ng

RT: 21.32 min Scan# 1270

Delta R.T. 0.02 min

Lab File: BE092931.D

Acq: 5 May 2017 15:39

Instrument :

BNA_E

ClientSampled :

PT-BNA-SOIL

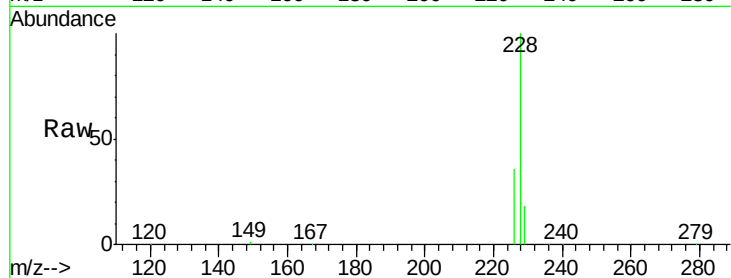
Tgt Ion:228 Resp: 1276895

Ion Ratio Lower Upper

228 100

226 35.7 34.2 51.2

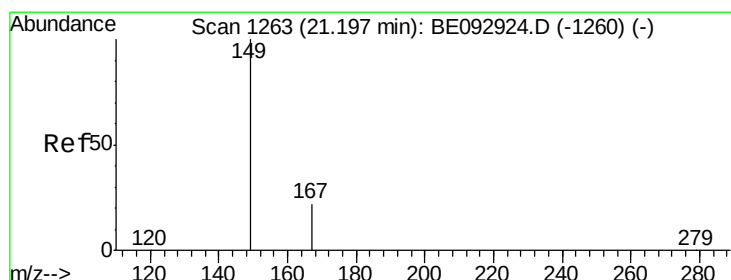
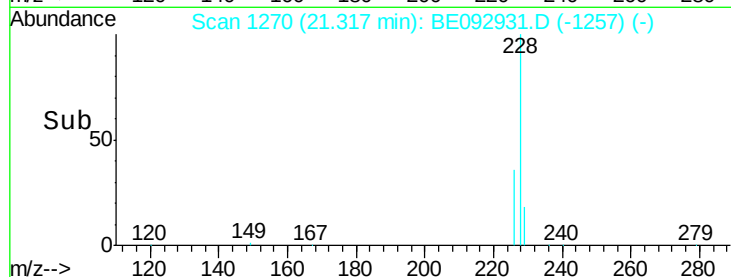
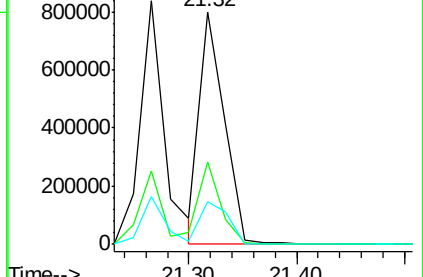
229 18.5 18.6 28.0#



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



#31

Bis(2-ethylhexyl)phthalate

Concen: 401.27 ng

RT: 21.21 min Scan# 1264

Delta R.T. 0.02 min

Lab File: BE092931.D

Acq: 5 May 2017 15:39

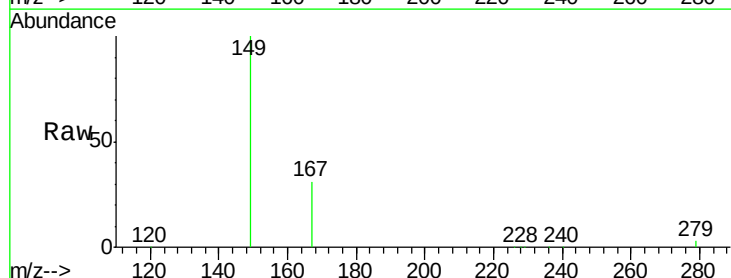
Tgt Ion:149 Resp: 1224968

Ion Ratio Lower Upper

149 100

167 26.3 20.9 31.3

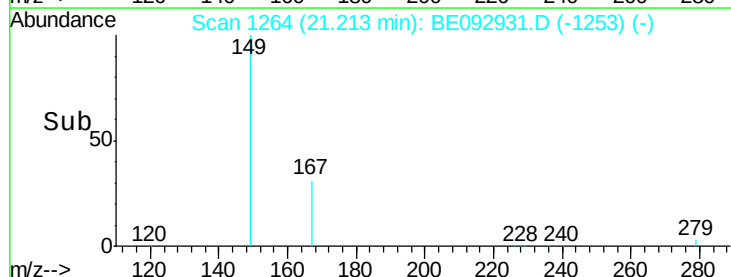
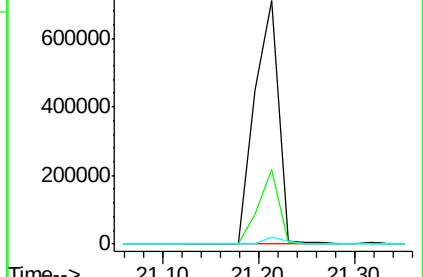
279 2.5 0.0 0.0#

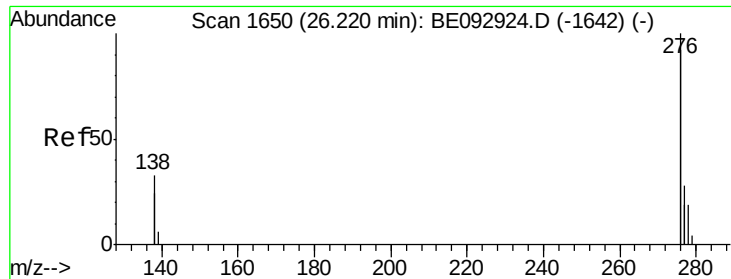


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#32

Indeno(1,2,3-cd)pyrene

Concen: 111.60 ng

RT: 26.27 min Scan# 1653

Delta R.T. 0.05 min

Lab File: BE092931.D

Acq: 5 May 2017 15:39

Instrument :

BNA_E

ClientSampleId :

PT-BNA-SOIL

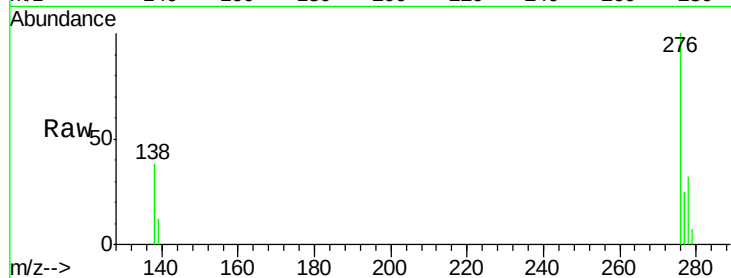
Tgt Ion:276 Resp: 5724008

Ion Ratio Lower Upper

276 100

138 37.1 25.8 38.6

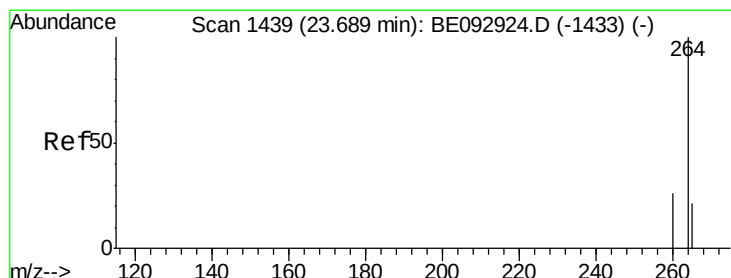
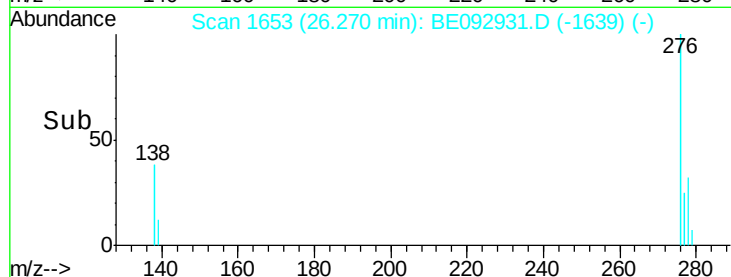
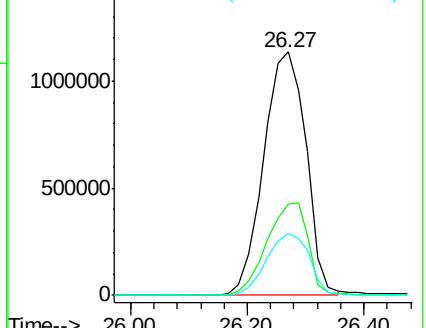
277 25.6 20.2 30.4



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



#33

Perylene-d12

Concen: 0.40 ng

RT: 23.70 min Scan# 1440

Delta R.T. 0.01 min

Lab File: BE092931.D

Acq: 5 May 2017 15:39

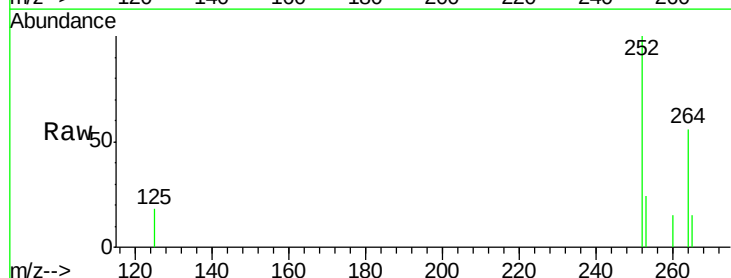
Tgt Ion:264 Resp: 4392

Ion Ratio Lower Upper

264 100

260 27.1 23.5 35.3

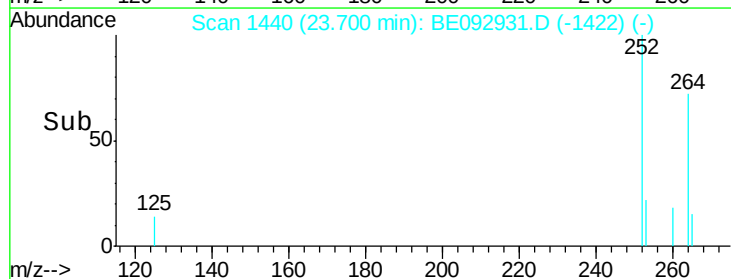
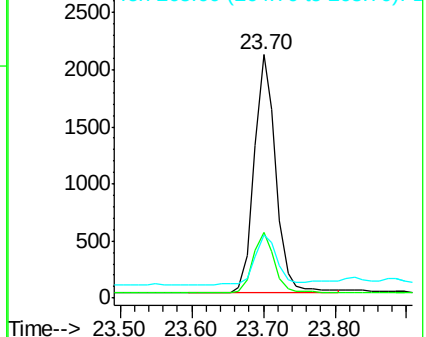
265 26.1 27.2 40.8#

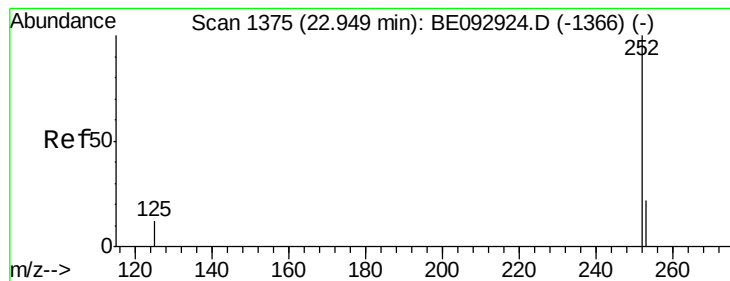


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#34

Benzo(b)fluoranthene

Concen: 89.93 ng

RT: 22.97 min Scan# 1377

Delta R.T. 0.02 min

Lab File: BE092931.D

Acq: 5 May 2017 15:39

Instrument :

BNA_E

ClientSampleId :

PT-BNA-SOIL

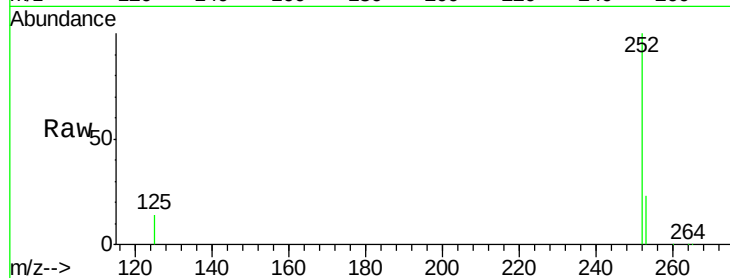
Tgt Ion:252 Resp: 1292379

Ion Ratio Lower Upper

252 100

253 22.9 24.7 37.1#

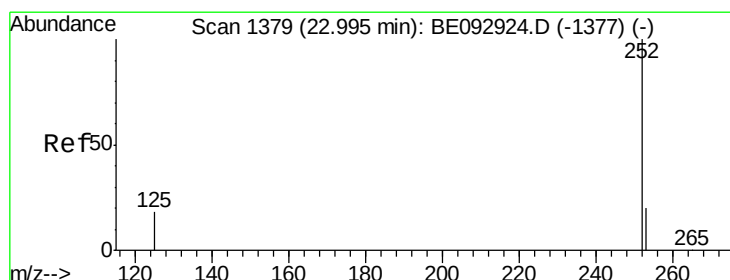
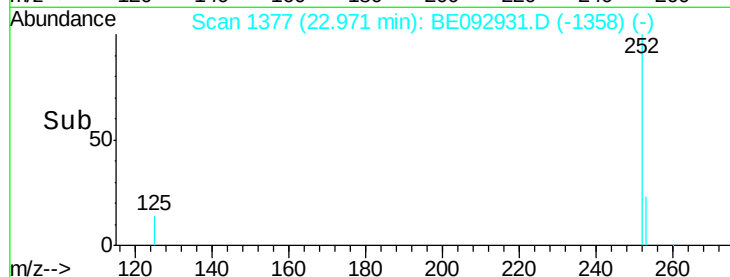
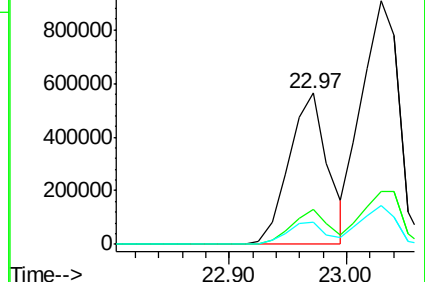
125 14.3 20.3 30.5#



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



#35

Benzo(k)fluoranthene

Concen: 139.60 ng

RT: 23.03 min Scan# 1382

Delta R.T. 0.03 min

Lab File: BE092931.D

Acq: 5 May 2017 15:39

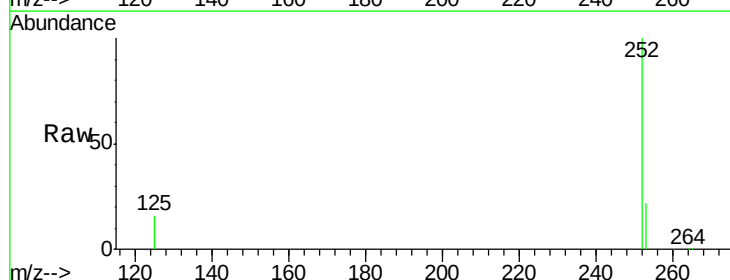
Tgt Ion:252 Resp: 2003693

Ion Ratio Lower Upper

252 100

253 21.6 25.8 38.8#

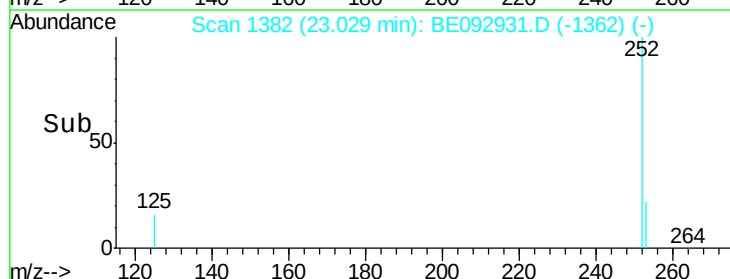
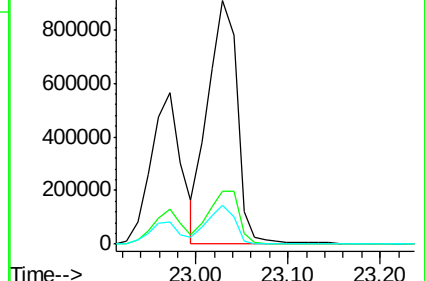
125 16.1 22.9 34.3#

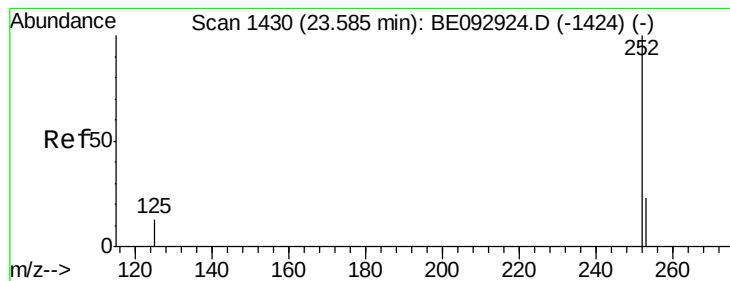


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Benzo(a)pyrene

Concen: 118.47 ng

RT: 23.61 min Scan# 1432

Delta R.T. 0.02 min

Lab File: BE092931.D

Acq: 5 May 2017 15:39

Instrument :

BNA_E

ClientSampleId :

PT-BNA-SOIL

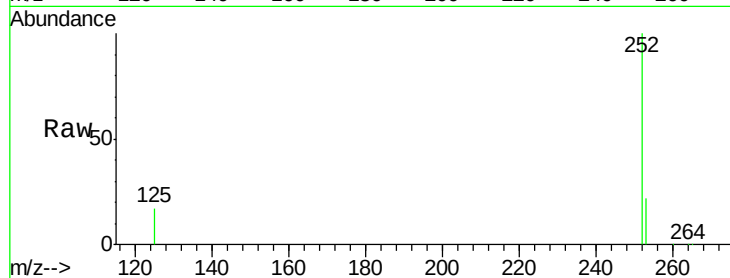
Tgt Ion: 252 Resp: 1390999

Ion Ratio Lower Upper

252 100

253 22.1 31.3 46.9#

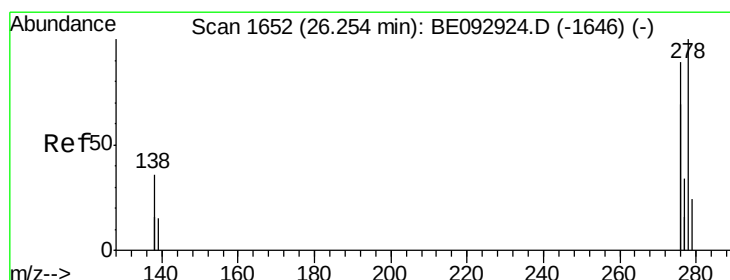
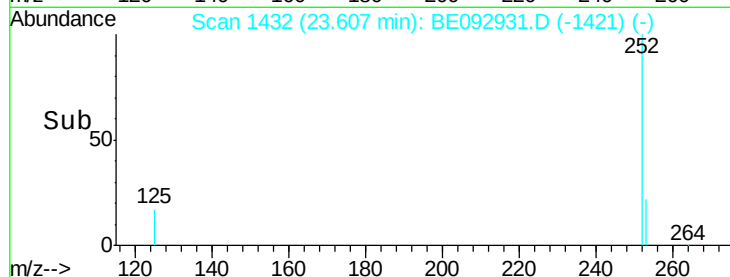
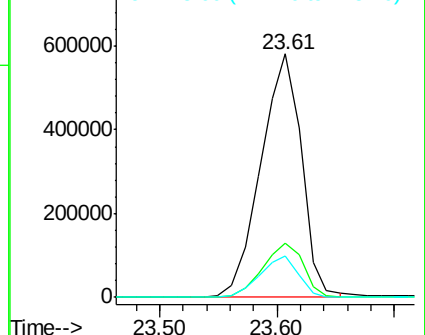
125 16.9 26.4 39.6#



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



#37

Dibenzo(a,h)anthracene

Concen: 108.73 ng

RT: 26.30 min Scan# 1655

Delta R.T. 0.05 min

Lab File: BE092931.D

Acq: 5 May 2017 15:39

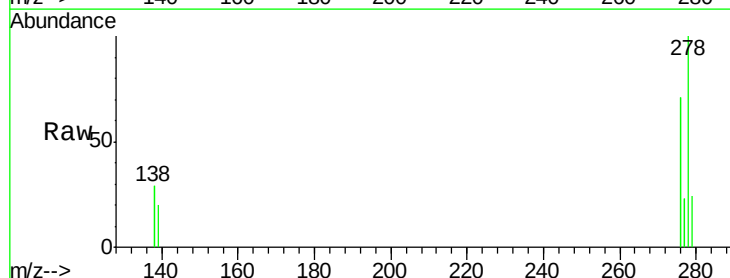
Tgt Ion: 278 Resp: 1438154

Ion Ratio Lower Upper

278 100

139 20.4 27.4 41.2#

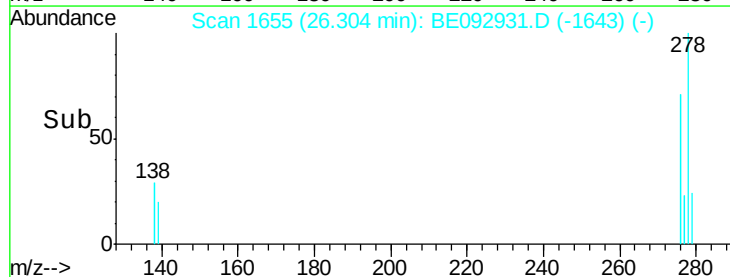
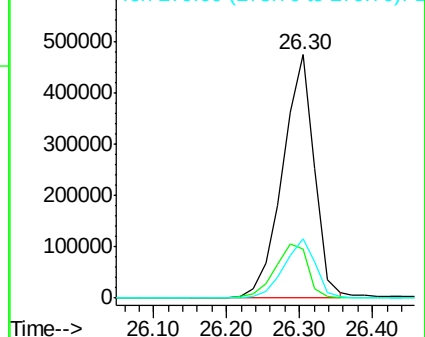
279 24.3 33.3 49.9#

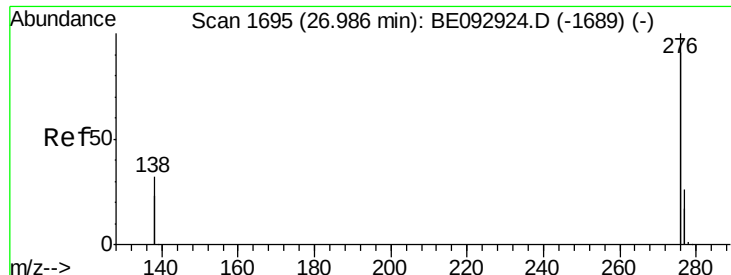


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#38

Benzo(g,h,i)perylene

Concen: 0.06 ng

RT: 27.00 min Scan# 1696

Delta R.T. 0.02 min

Lab File: BE092931.D

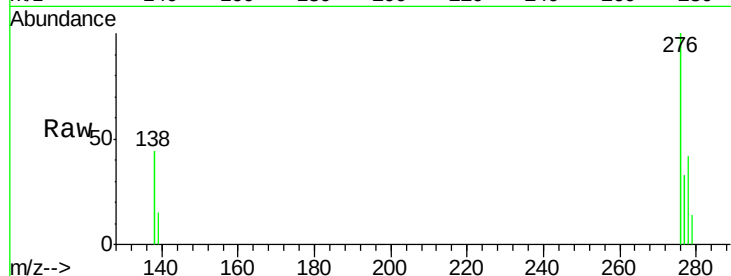
Acq: 5 May 2017 15:39

Instrument :

BNA_E

ClientSampleId :

PT-BNA-SOIL



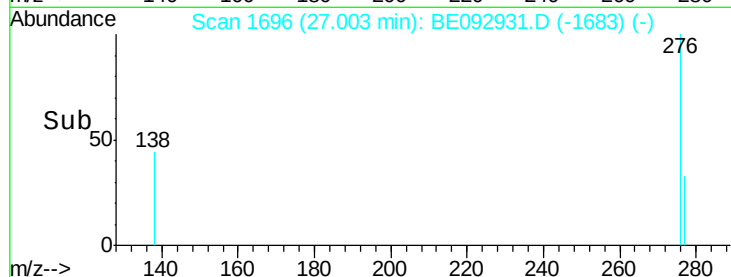
Tgt Ion: 276 Resp: 3462

Ion Ratio Lower Upper

276 100

277 33.0 29.9 44.9

138 43.7 34.6 51.8



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

