

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE120117\
 Data File : BE094897.D
 Acq On : 1 Dec 2017 9:25
 Operator : SJ/JU
 Sample : I6298-16
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PT-PAH-SOIL

Quant Time: Dec 01 14:12:48 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 13:33:28 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.48	152	7866	0.40	ng	0.00
7) Naphthalene-d8	11.33	136	18434	0.40	ng	0.00
13) Acenaphthene-d10	15.06	164	10412	0.40	ng	-0.01
19) Phenanthrene-d10	17.77	188	24952	0.40	ng	0.00
27) Chrysene-d12	21.89	240	27138	0.40	ng	0.00
34) Perylene-d12	24.56	264	22762	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.95	112	3829	0.31	ng	0.00
5) Phenol-d6	7.59	99	6565	0.36	ng	0.00
8) Nitrobenzene-d5	9.66	82	3353	0.31	ng	0.00
11) 2-Methylnaphthalene-d10	12.86	152	10452	0.36	ng	0.00
14) 2,4,6-Tribromophenol	16.53	330	558	0.31	ng	0.00
15) 2-Fluorobiphenyl	13.71	172	15072	0.34	ng	0.00
25) Fluoranthene-d10	19.76	212	134226	0.39	ng	0.00
29) Terphenyl-d14	20.33	244	21802	0.43	ng	0.00

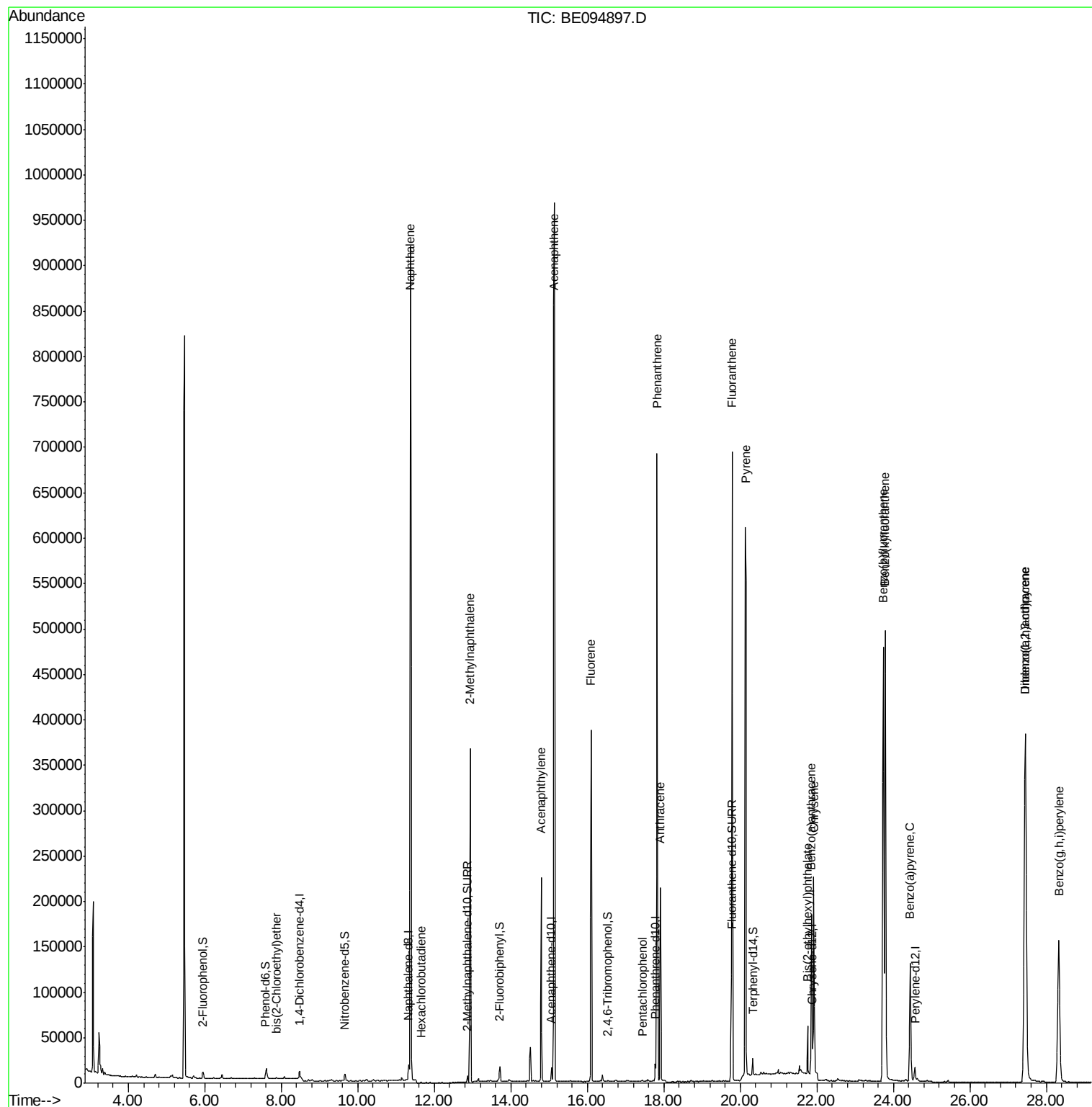
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) bis(2-Chloroethyl)ether	7.88	93	431	0.024	ng	# 89
9) Naphthalene	11.38	128	1478075	6.839	ng	99
10) Hexachlorobutadiene	11.64	225	272	0.030	ng	# 90
12) 2-Methylnaphthalene	12.94	142	342702	6.382	ng	96
16) Acenaphthylene	14.79	152	232750	3.956	ng	100
17) Acenaphthene	15.14	154	576210	15.153	ng	95
18) Fluorene	16.10	166	266793	5.514	ng	# 78
22) Pentachlorophenol	17.43	266	71	0.149	ng	93
23) Phenanthrene	17.82	178	691948	8.703	ng	98
24) Anthracene	17.91	178	235164	2.789	ng	# 95
26) Fluoranthene	19.79	202	642459	6.286	ng	99
28) Pyrene	20.13	202	907532	9.685	ng	98
30) Benzo(a)anthracene	21.85	228	187282	2.251	ng	# 62
31) Chrysene	21.92	228	212687	2.313	ng	# 64
32) Bis(2-ethylhexyl)phthalate	21.76	149	62646	0.454	ng	99
33) Indeno(1,2,3-cd)pyrene	27.44	276	686230	9.120	ng	98
35) Benzo(b)fluoranthene	23.73	252	710290	8.547	ng	# 39
36) Benzo(k)fluoranthene	23.79	252	763617	9.015	ng	# 39
37) Benzo(a)pyrene	24.44	252	215230	2.954	ng	# 32
38) Dibenzo(a,h)anthracene	27.46	278	397422	5.905	ng	# 42
39) Benzo(g,h,i)perylene	28.32	276	396834	5.904	ng	# 52

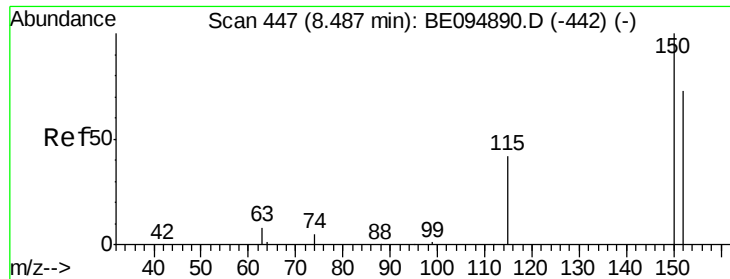
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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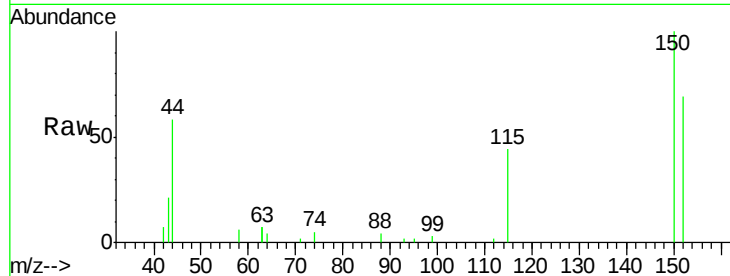


#1

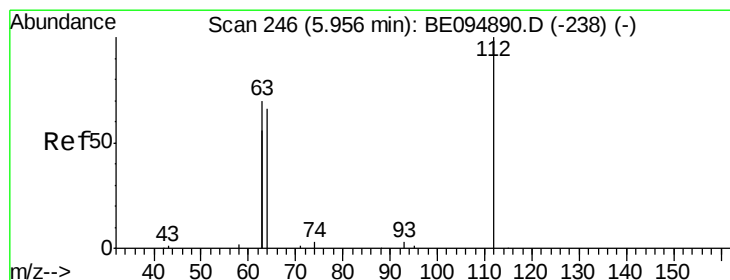
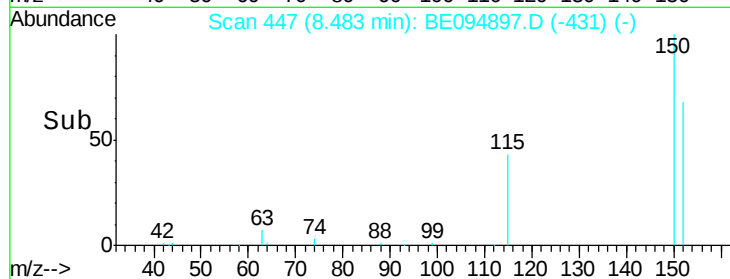
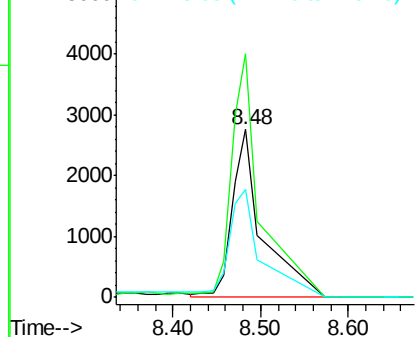
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.48 min Scan# 447
Delta R.T. -0.00 min
Lab File: BE094897.D
Acq: 1 Dec 2017 9:25

Instrument :
BNA_E
ClientSampleId :
PT-PAH-SOIL

Tgt Ion:152 Resp: 7866
Ion Ratio Lower Upper
152 100
150 145.1 117.2 175.8
115 64.5 57.0 85.6



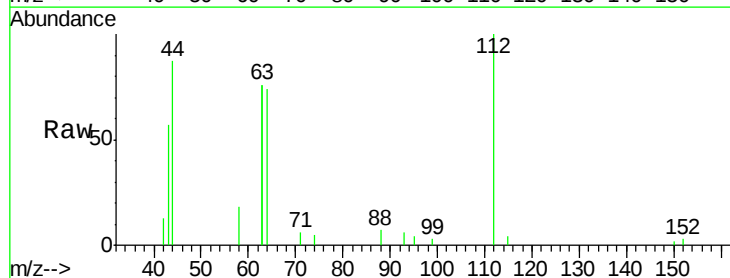
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



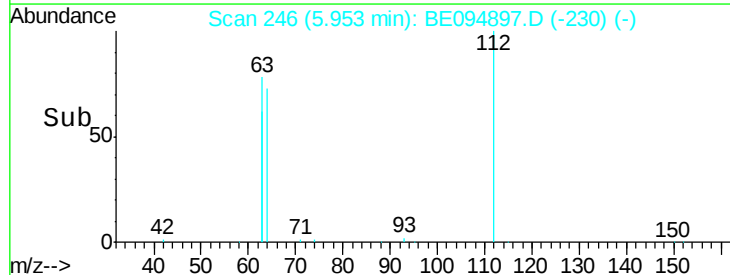
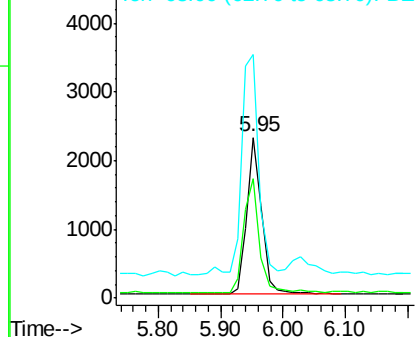
#4

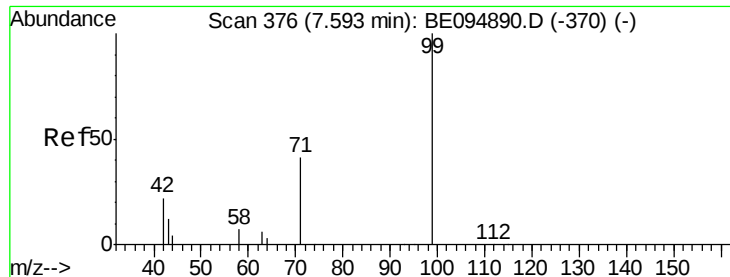
2-Fluorophenol
Concen: 0.308 ng
RT: 5.95 min Scan# 246
Delta R.T. -0.00 min
Lab File: BE094897.D
Acq: 1 Dec 2017 9:25

Tgt Ion:112 Resp: 3829
Ion Ratio Lower Upper
112 100
64 77.5 60.1 90.1
63 160.7 116.8 175.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.356 ng

RT: 7.59 min Scan# 376

Delta R.T. -0.00 min

Lab File: BE094897.D

Acq: 1 Dec 2017 9:25

Instrument :

BNA_E

ClientSampleId :

PT-PAH-SOIL

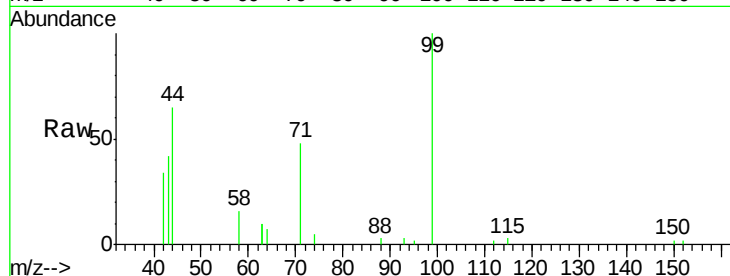
Tgt Ion: 99 Resp: 6565

Ion Ratio Lower Upper

99 100

42 34.3 20.2 30.2#

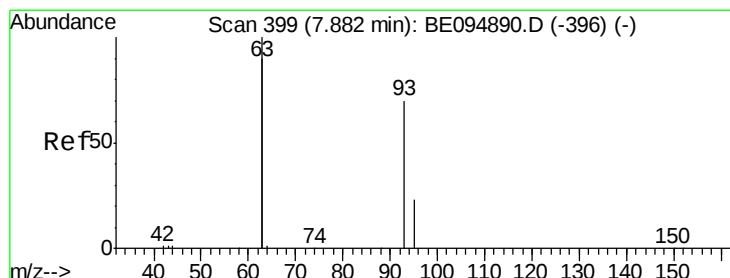
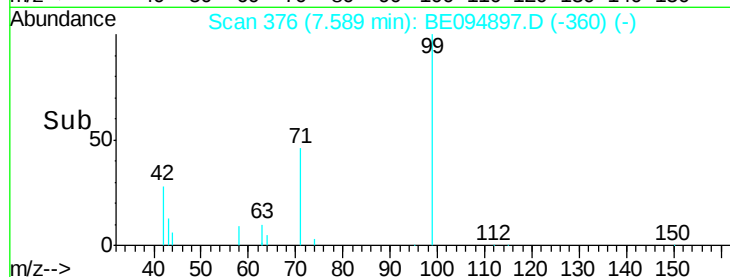
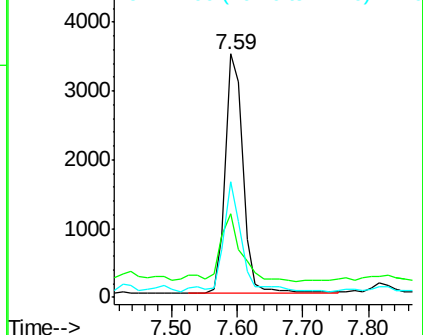
71 46.1 28.4 42.6#



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.024 ng

RT: 7.88 min Scan# 399

Delta R.T. -0.00 min

Lab File: BE094897.D

Acq: 1 Dec 2017 9:25

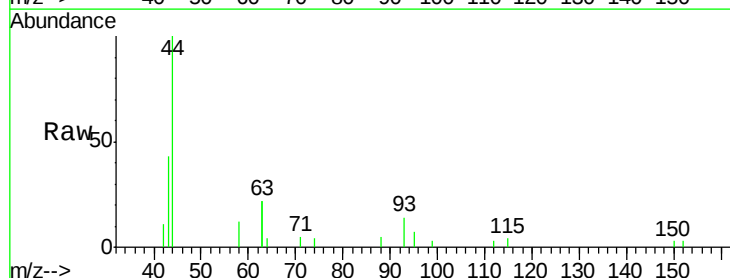
Tgt Ion: 93 Resp: 431

Ion Ratio Lower Upper

93 100

63 353.6 275.3 412.9

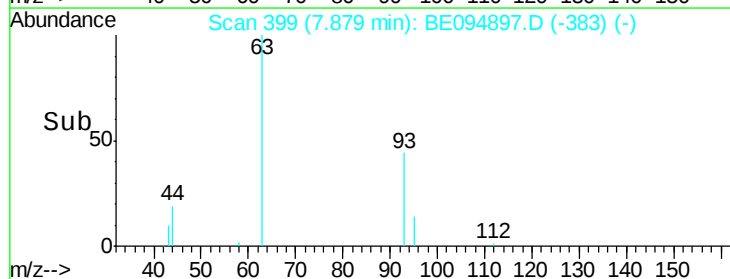
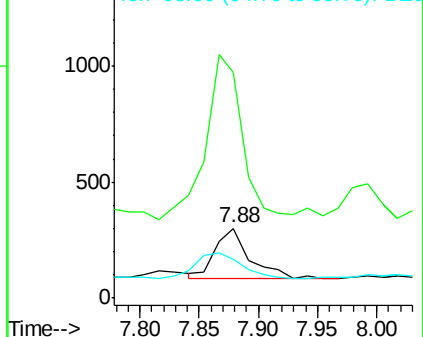
95 74.9 25.2 37.8#

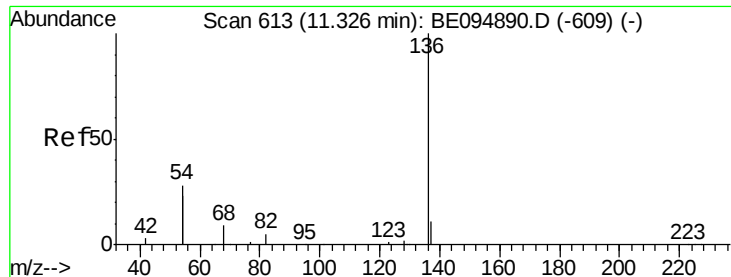


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.33 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE094897.D

Acq: 1 Dec 2017 9:25

Instrument :

BNA_E

ClientSampleId :

PT-PAH-SOIL

Tgt Ion:136 Resp: 18434

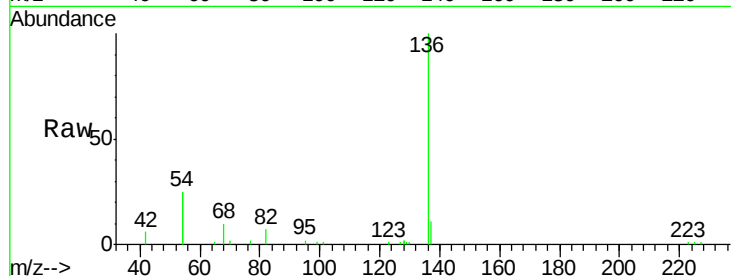
Ion Ratio Lower Upper

136 100

137 11.3 9.5 14.3

54 50.8 29.1 43.7#

68 9.6 6.2 9.2#

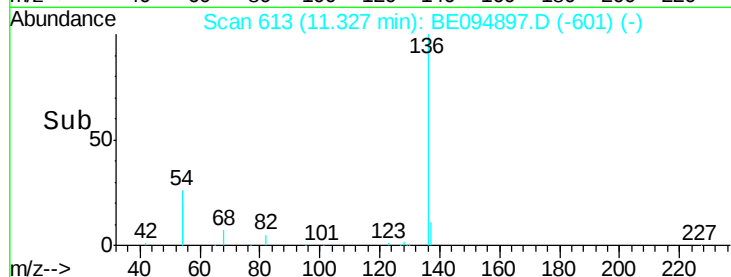


Abundance Ion 136.00 (135.70 to 136.70): E

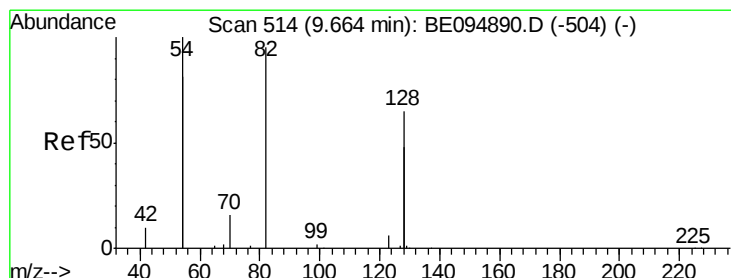
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time--> 11.20 11.30 11.40



#8

Nitrobenzene-d5

Concen: 0.307 ng

RT: 9.66 min Scan# 514

Delta R.T. 0.00 min

Lab File: BE094897.D

Acq: 1 Dec 2017 9:25

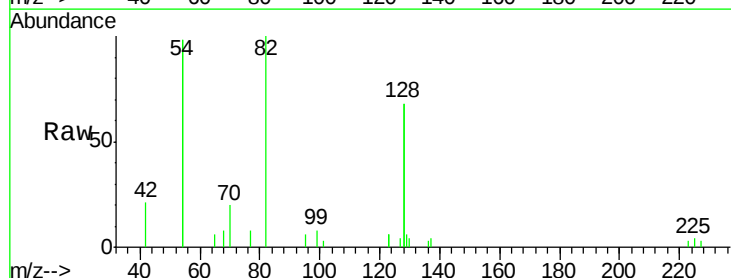
Tgt Ion: 82 Resp: 3353

Ion Ratio Lower Upper

82 100

128 136.8 150.0 225.0#

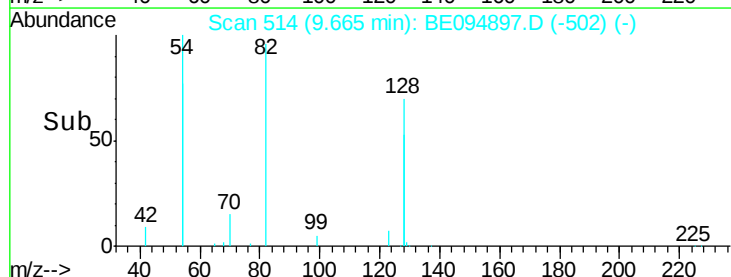
54 196.7 154.2 231.4



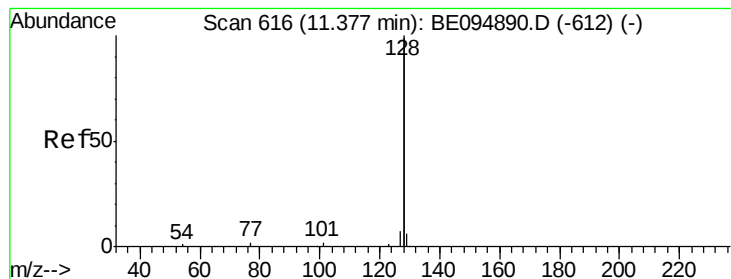
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



Time--> 9.50 9.60 9.70 9.80



#9

Naphthalene

Concen: 6.839 ng

RT: 11.38 min Scan# 616

Delta R.T. 0.00 min

Lab File: BE094897.D

Acq: 1 Dec 2017 9:25

Instrument :

BNA_E

ClientSampled :

PT-PAH-SOIL

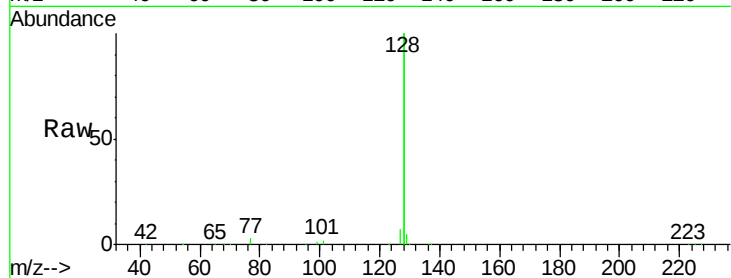
Tgt Ion:128 Resp: 1478075

Ion Ratio Lower Upper

128 100

129 2.7 2.6 3.8

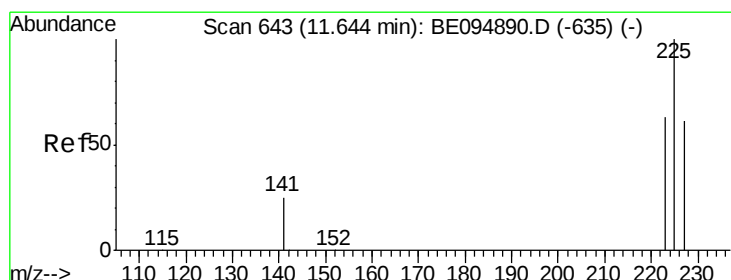
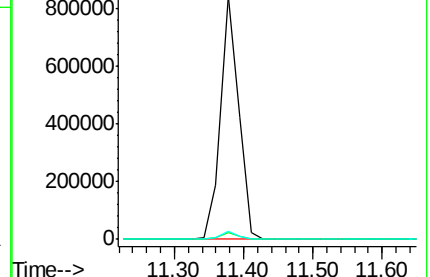
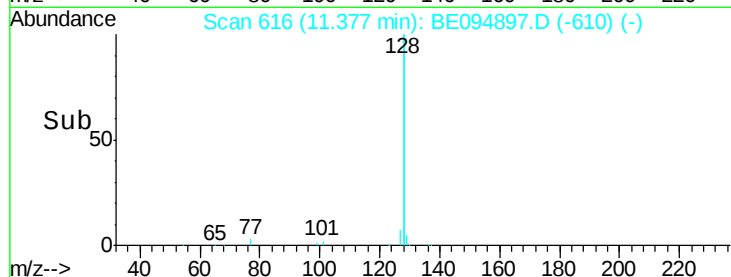
127 3.4 2.8 4.2



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: 0.030 ng

RT: 11.64 min Scan# 643

Delta R.T. 0.00 min

Lab File: BE094897.D

Acq: 1 Dec 2017 9:25

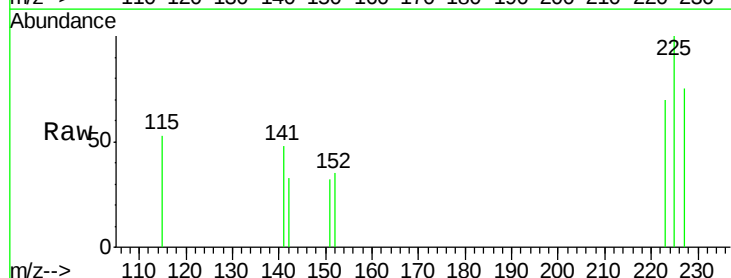
Tgt Ion:225 Resp: 272

Ion Ratio Lower Upper

225 100

223 64.0 53.0 79.6

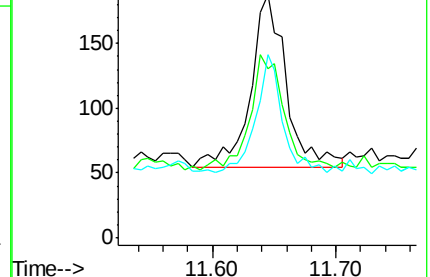
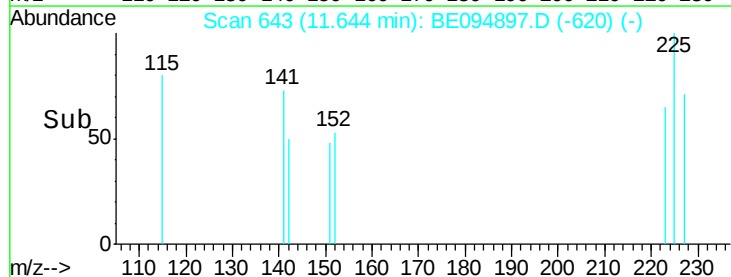
227 50.7 51.4 77.2#

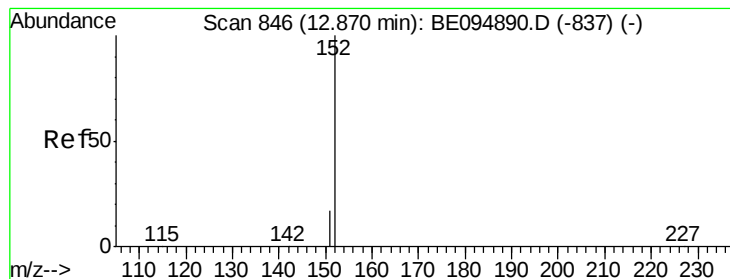


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.355 ng

RT: 12.86 min Scan# 845

Delta R.T. -0.01 min

Lab File: BE094897.D

Acq: 1 Dec 2017 9:25

Instrument :

BNA_E

ClientSampleId :

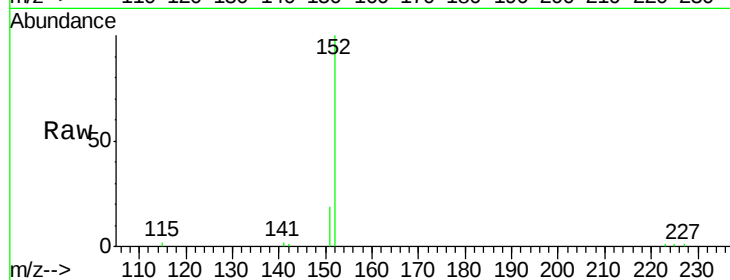
PT-PAH-SOIL

Tgt Ion:152 Resp: 10452

Ion Ratio Lower Upper

152 100

151 20.9 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.86

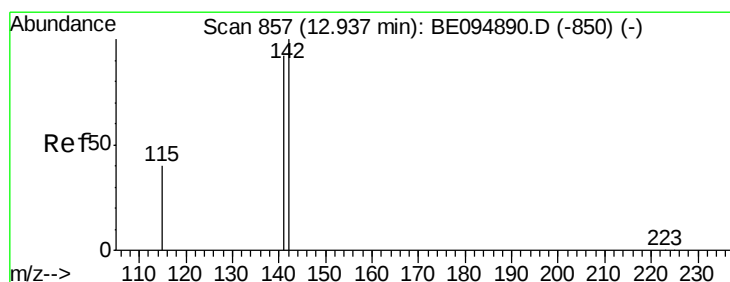
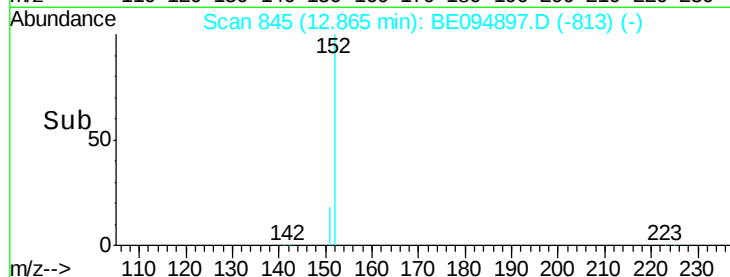
6000

4000

2000

0

Time-->



#12

2-Methylnaphthalene

Concen: 6.382 ng

RT: 12.94 min Scan# 857

Delta R.T. 0.00 min

Lab File: BE094897.D

Acq: 1 Dec 2017 9:25

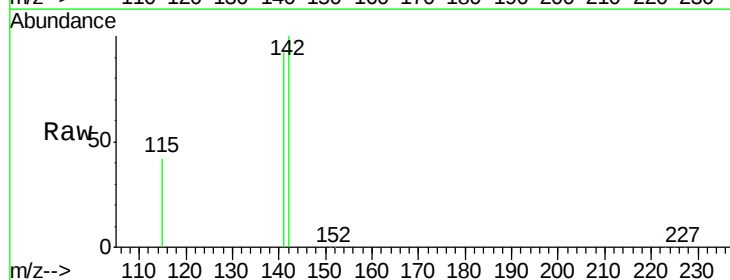
Tgt Ion:142 Resp: 342702

Ion Ratio Lower Upper

142 100

141 91.6 70.4 105.6

115 41.9 31.7 47.5



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

200000

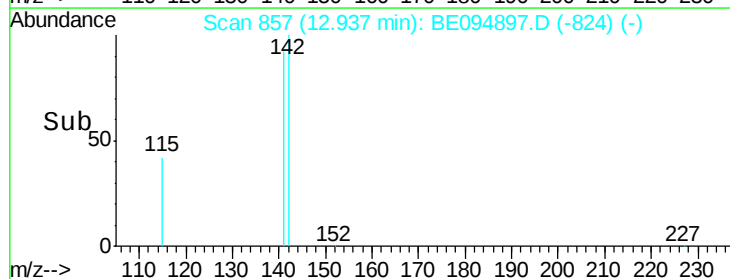
150000

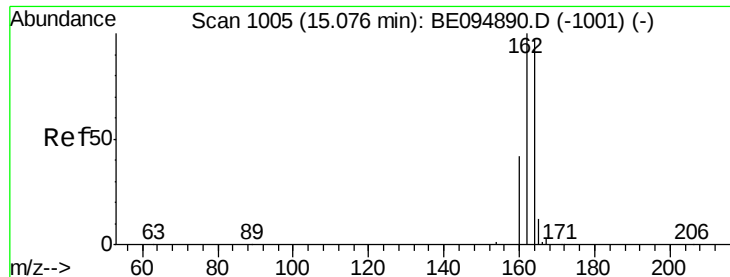
100000

50000

0

Time-->

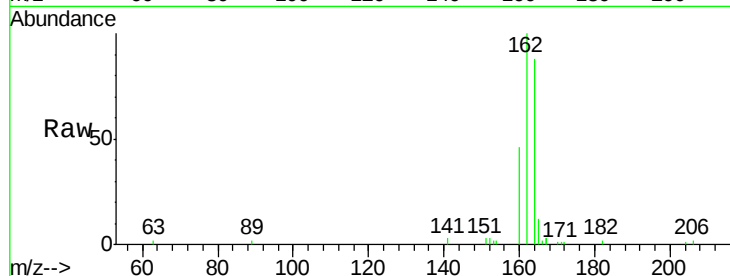




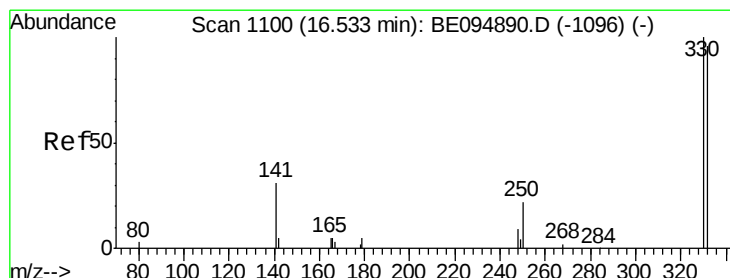
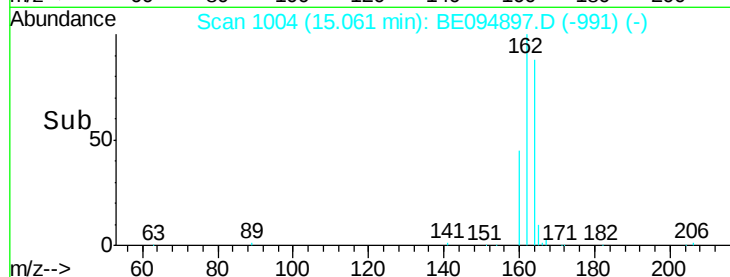
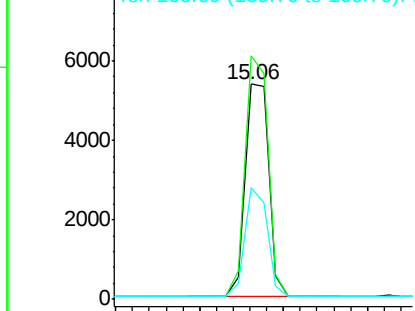
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 15.06 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BE094897.D
Acq: 1 Dec 2017 9:25

Instrument :
BNA_E
ClientSampleId :
PT-PAH-SOIL

Tgt Ion:164 Resp: 10412
Ion Ratio Lower Upper
164 100
162 113.0 83.1 124.7
160 51.9 37.1 55.7

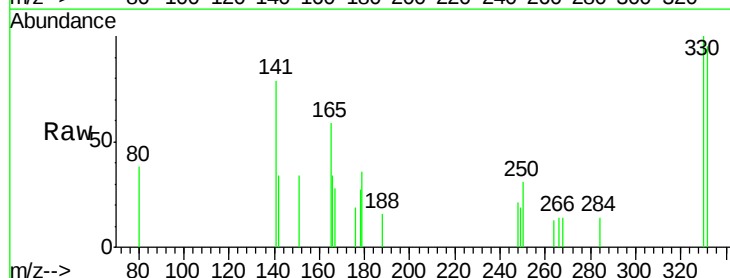


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

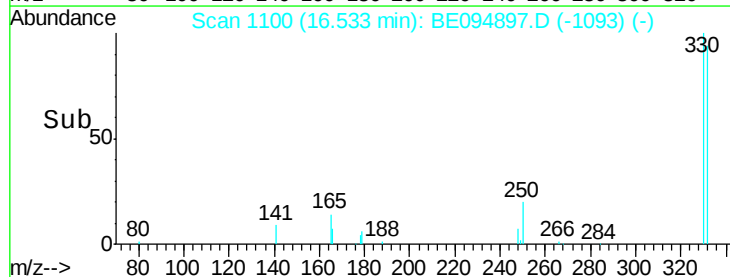
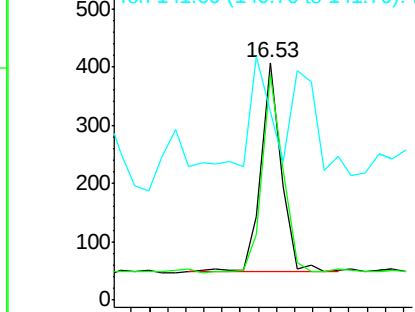


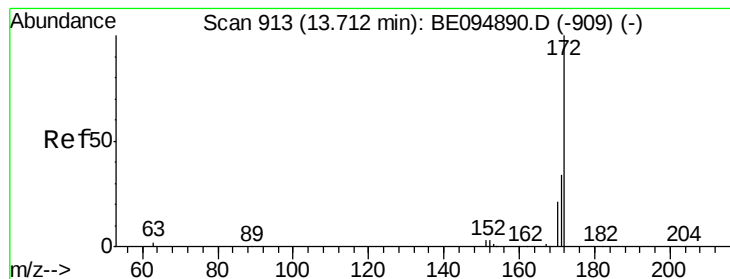
#14
2,4,6-Tribromophenol
Concen: 0.306 ng
RT: 16.53 min Scan# 1100
Delta R.T. 0.00 min
Lab File: BE094897.D
Acq: 1 Dec 2017 9:25

Tgt Ion:330 Resp: 558
Ion Ratio Lower Upper
330 100
332 96.4 152.7 229.1#
141 48.2 33.7 50.5



Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.338 ng

RT: 13.71 min Scan# 913

Delta R.T. 0.00 min

Lab File: BE094897.D

Acq: 1 Dec 2017 9:25

Instrument :

BNA_E

ClientSampleId :

PT-PAH-SOIL

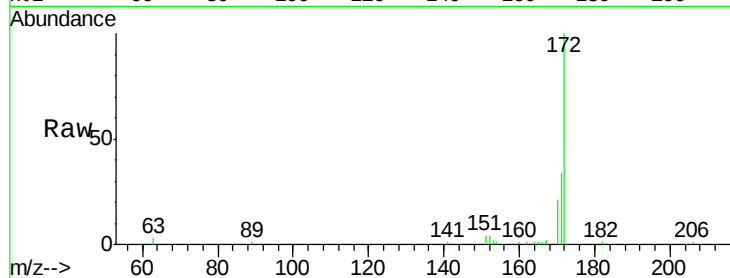
Tgt Ion:172 Resp: 15072

Ion Ratio Lower Upper

172 100

171 34.4 29.9 44.9

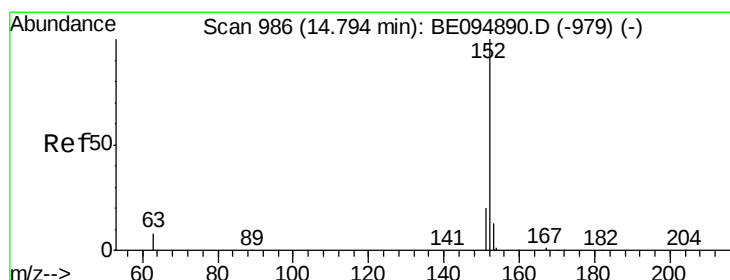
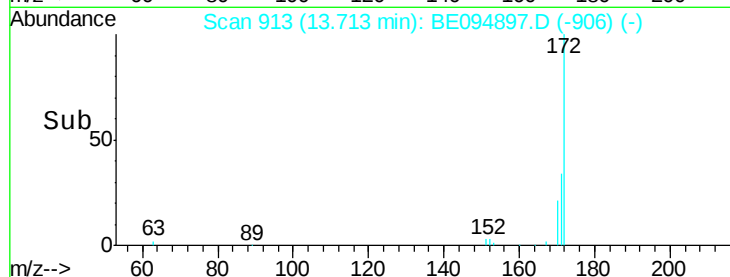
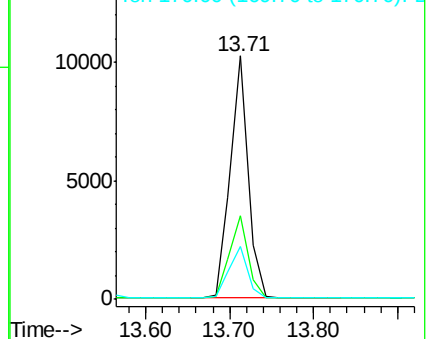
170 21.5 21.8 32.8#



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 3.956 ng

RT: 14.79 min Scan# 986

Delta R.T. 0.00 min

Lab File: BE094897.D

Acq: 1 Dec 2017 9:25

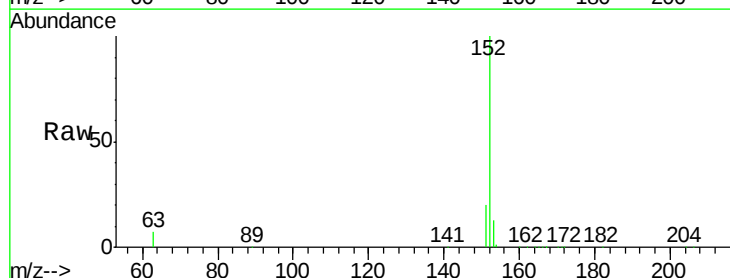
Tgt Ion:152 Resp: 232750

Ion Ratio Lower Upper

152 100

151 19.9 15.7 23.5

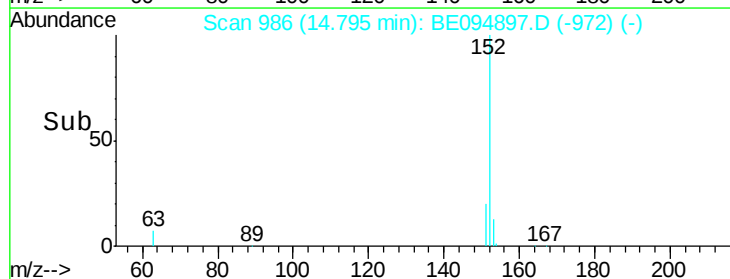
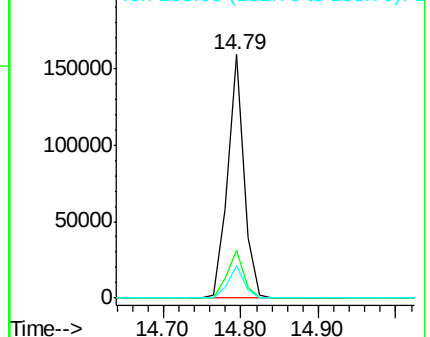
153 13.0 10.5 15.7

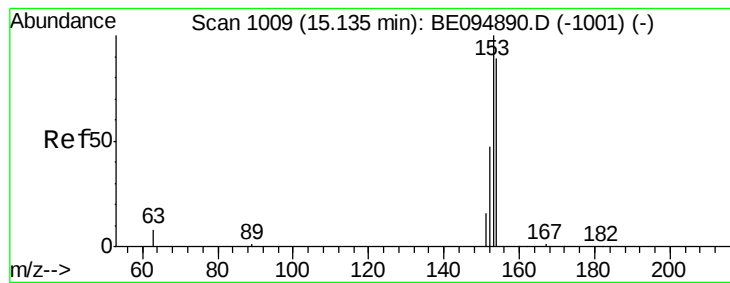


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 15.153 ng

RT: 15.14 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BE094897.D

Acq: 1 Dec 2017 9:25

Instrument :

BNA_E

ClientSampleId :

PT-PAH-SOIL

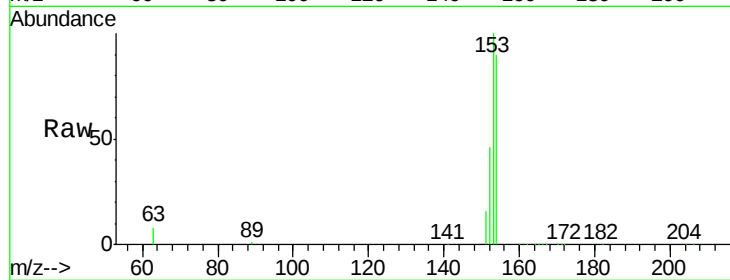
Tgt Ion:154 Resp: 576210

Ion Ratio Lower Upper

154 100

153 116.7 89.2 133.8

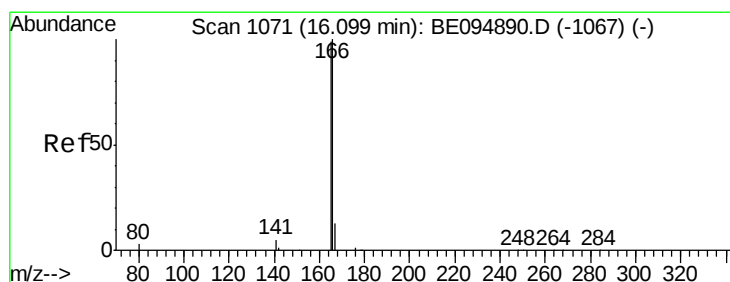
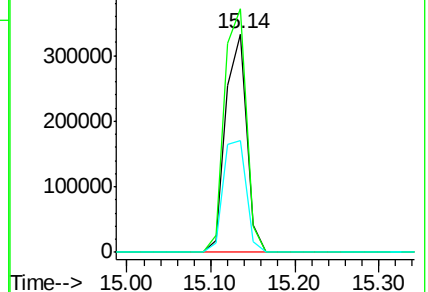
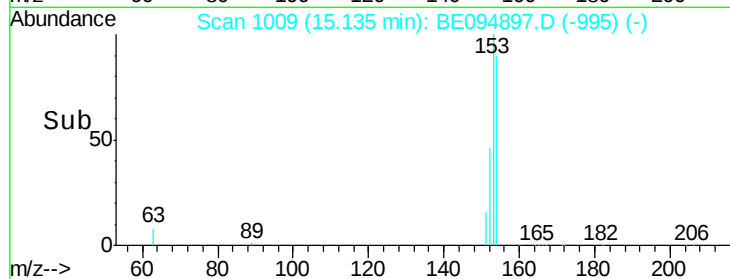
152 57.0 42.0 63.0



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



#18

Fluorene

Concen: 5.514 ng

RT: 16.10 min Scan# 1071

Delta R.T. 0.00 min

Lab File: BE094897.D

Acq: 1 Dec 2017 9:25

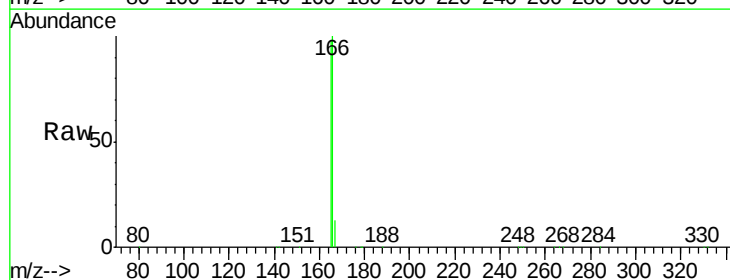
Tgt Ion:166 Resp: 266793

Ion Ratio Lower Upper

166 100

165 100.8 77.8 116.6

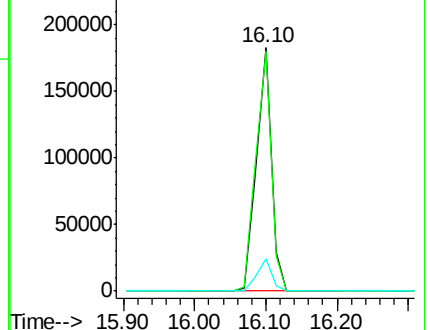
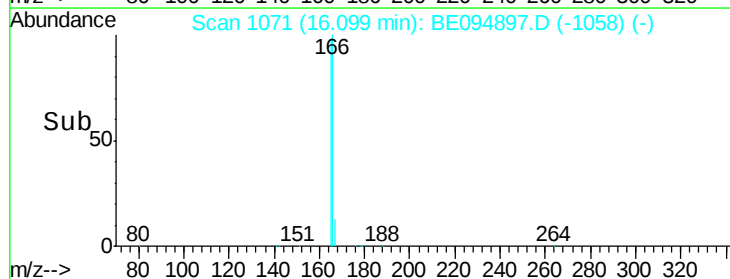
167 13.1 42.4 63.6#

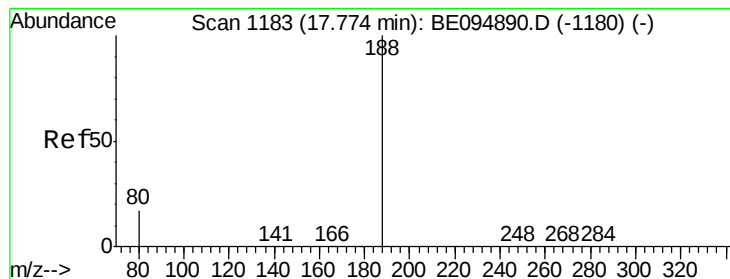


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.77 min Scan# 1183

Delta R.T. 0.00 min

Lab File: BE094897.D

Acq: 1 Dec 2017 9:25

Instrument :

BNA_E

ClientSampleId :

PT-PAH-SOIL

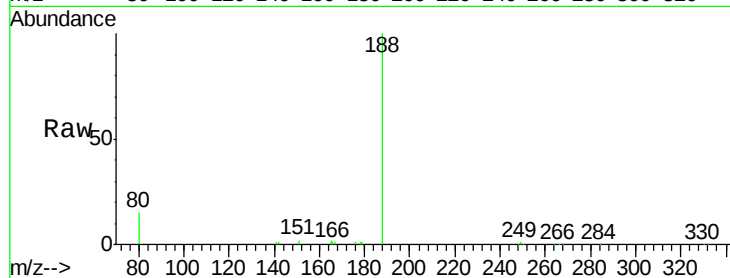
Tgt Ion:188 Resp: 24952

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

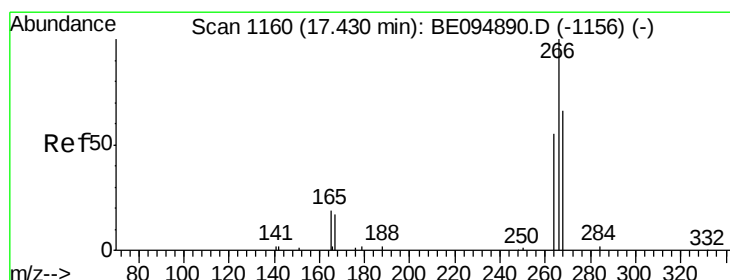
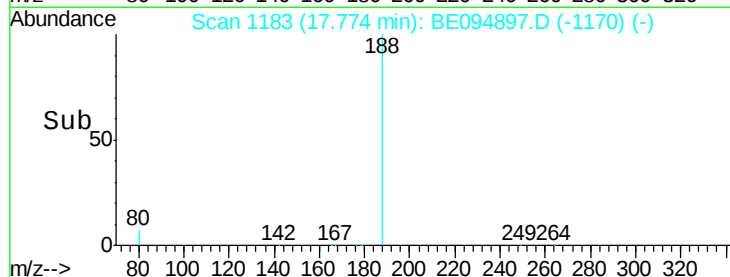
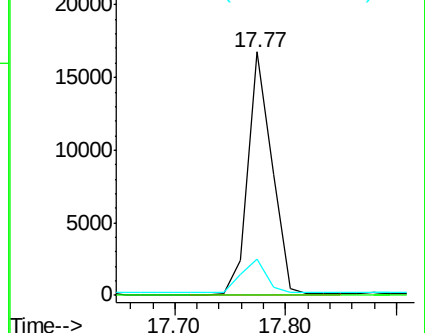
80 14.9 3.6 5.4#



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



#22

Pentachlorophenol

Concen: 0.149 ng

RT: 17.43 min Scan# 1160

Delta R.T. 0.00 min

Lab File: BE094897.D

Acq: 1 Dec 2017 9:25

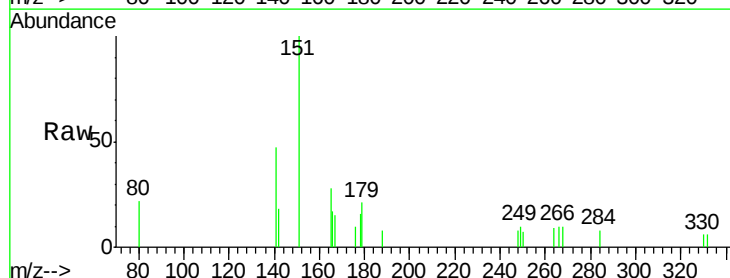
Tgt Ion:266 Resp: 71

Ion Ratio Lower Upper

266 100

264 87.5 72.5 108.7

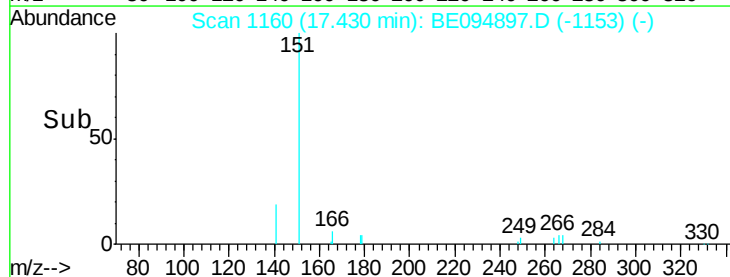
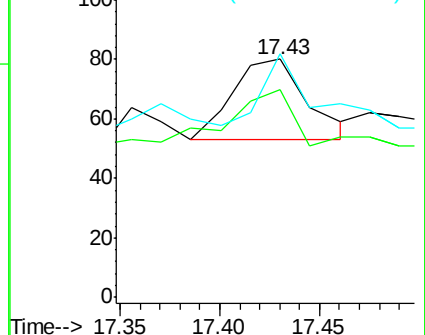
268 102.5 73.8 110.6

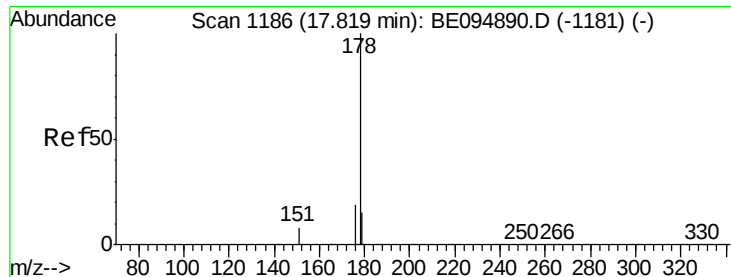


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 8.703 ng

RT: 17.82 min Scan# 1186

Delta R.T. 0.00 min

Lab File: BE094897.D

Acq: 1 Dec 2017 9:25

Instrument :

BNA_E

ClientSampleId :

PT-PAH-SOIL

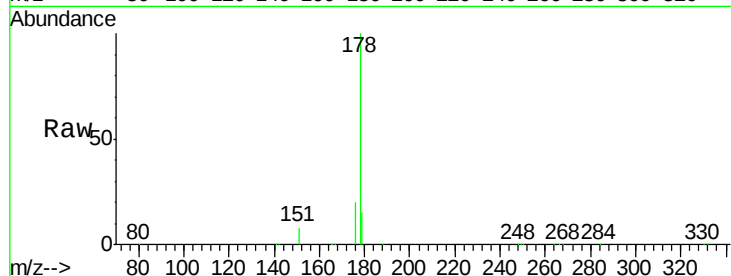
Tgt Ion:178 Resp: 691948

Ion Ratio Lower Upper

178 100

176 19.8 15.1 22.7

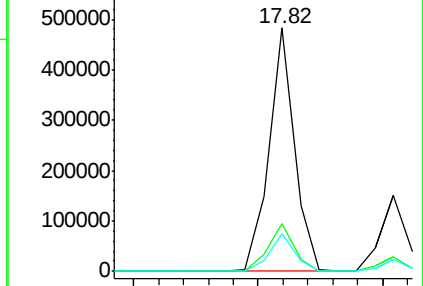
179 15.2 11.8 17.6



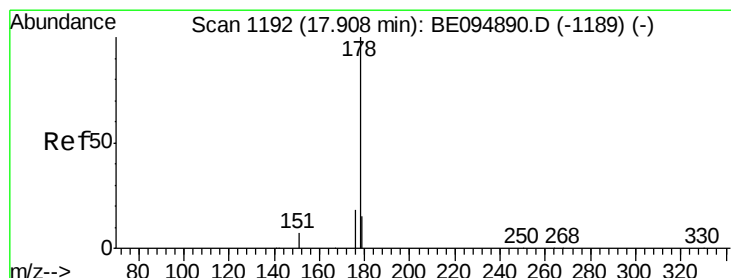
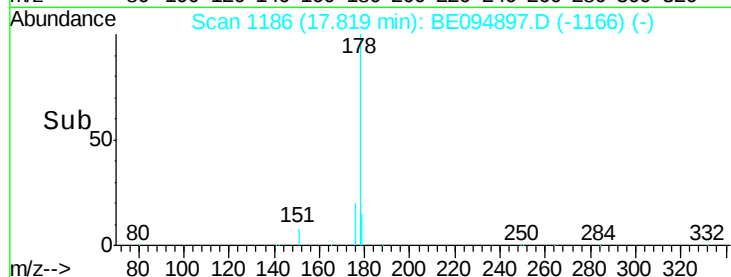
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 17.70 17.80 17.90



#24

Anthracene

Concen: 2.789 ng

RT: 17.91 min Scan# 1192

Delta R.T. 0.00 min

Lab File: BE094897.D

Acq: 1 Dec 2017 9:25

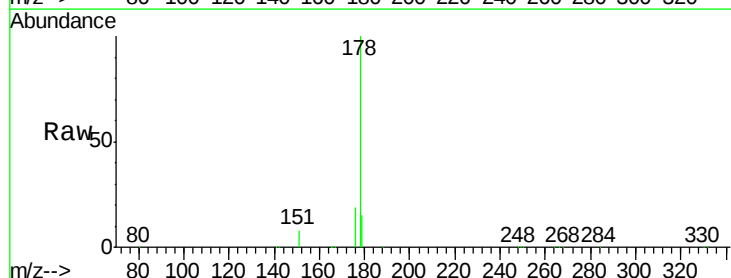
Tgt Ion:178 Resp: 235164

Ion Ratio Lower Upper

178 100

176 19.6 12.8 19.2#

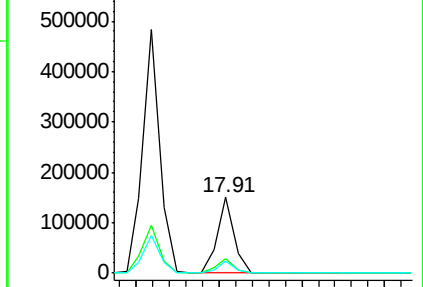
179 15.9 13.0 19.6



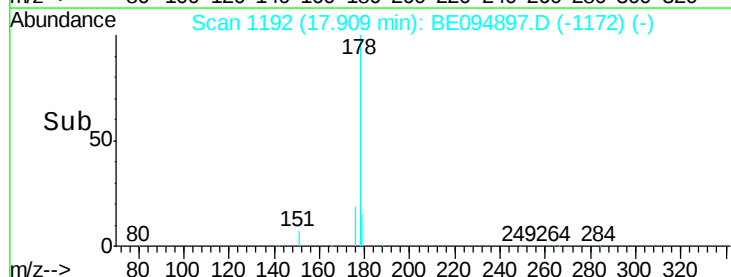
Abundance Ion 178.00 (177.70 to 178.70): E

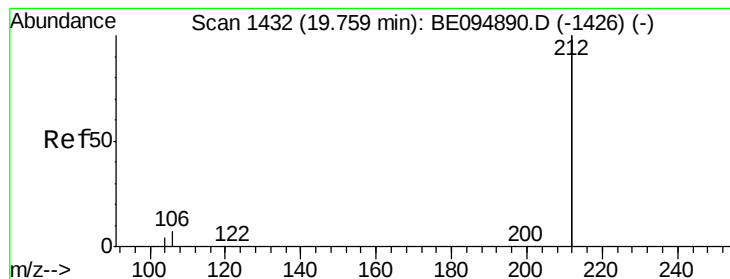
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 17.80 17.90 18.00 18.10





#25

Fluoranthene-d10

Concen: 0.394 ng

RT: 19.76 min Scan# 1432

Delta R.T. 0.00 min

Lab File: BE094897.D

Acq: 1 Dec 2017 9:25

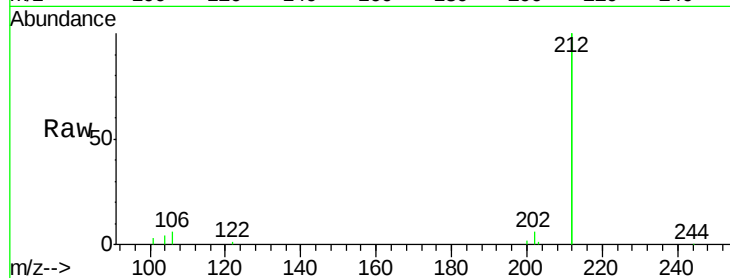
Instrument :

BNA_E

ClientSampleId :

PT-PAH-SOIL

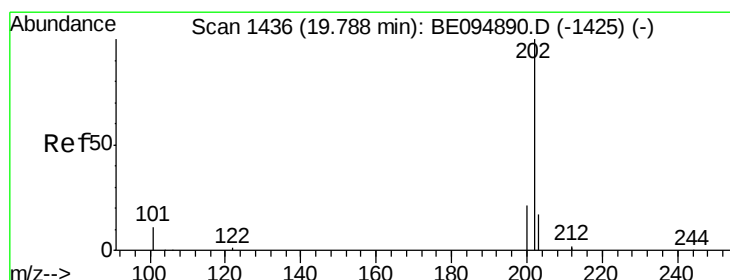
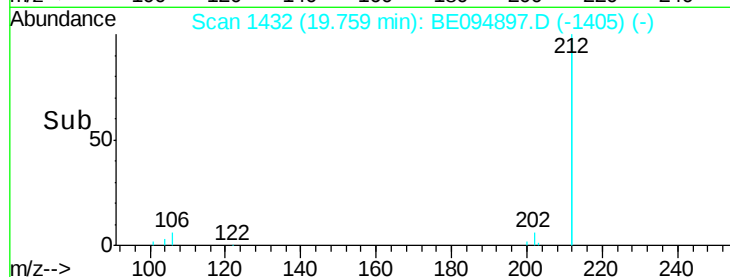
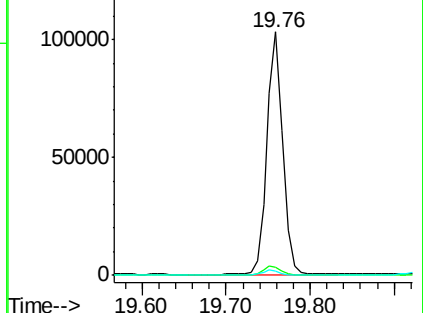
Tgt Ion:	212	Resp:	134226
Ion	Ratio	Lower	Upper
212	100		
106	3.6	2.8	4.2
104	2.2	1.6	2.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 6.286 ng

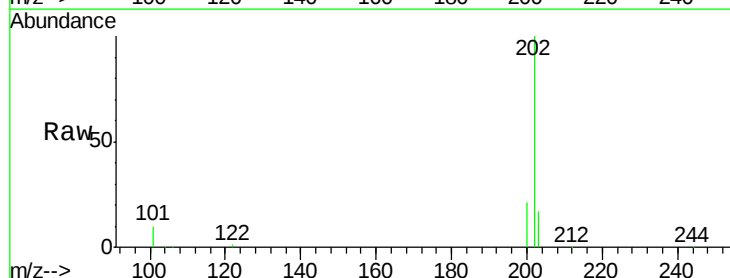
RT: 19.79 min Scan# 1436

Delta R.T. 0.00 min

Lab File: BE094897.D

Acq: 1 Dec 2017 9:25

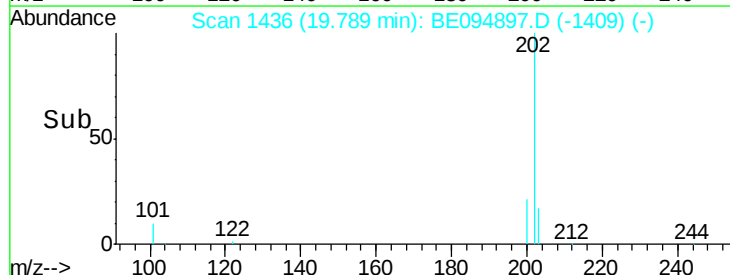
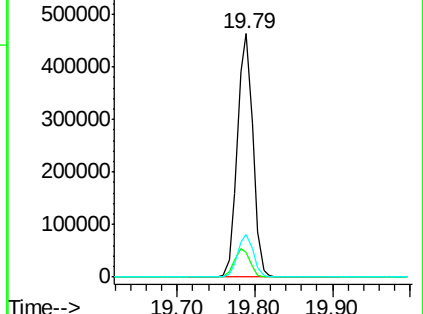
Tgt Ion:	202	Resp:	642459
Ion	Ratio	Lower	Upper
202	100		
101	11.9	9.8	14.8
203	17.4	13.7	20.5

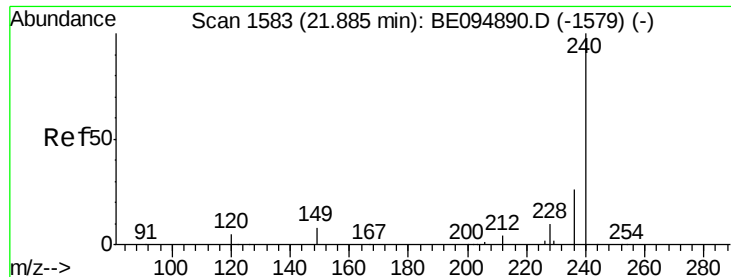


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.89 min Scan# 1583

Delta R.T. 0.00 min

Lab File: BE094897.D

Acq: 1 Dec 2017 9:25

Instrument :

BNA_E

ClientSampleId :

PT-PAH-SOIL

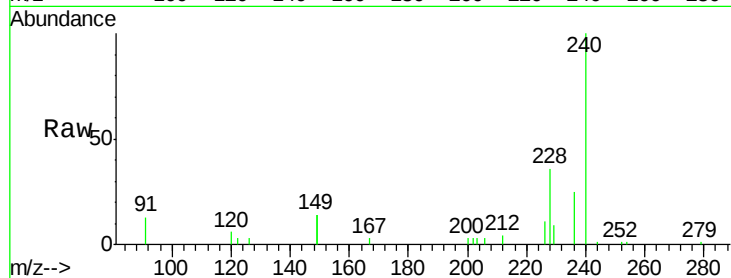
Tgt Ion:240 Resp: 27138

Ion Ratio Lower Upper

240 100

120 5.6 5.5 8.3

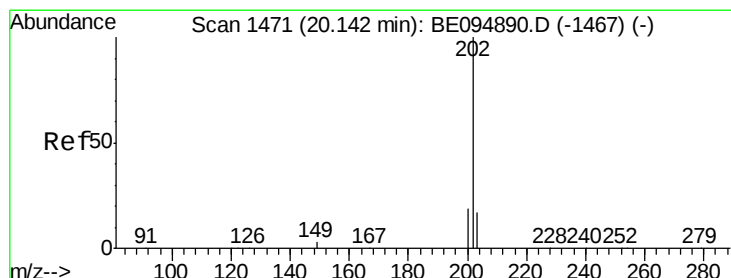
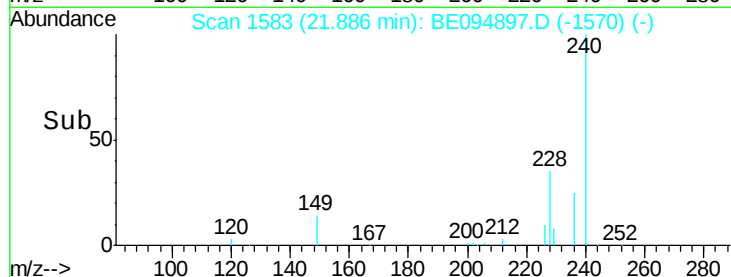
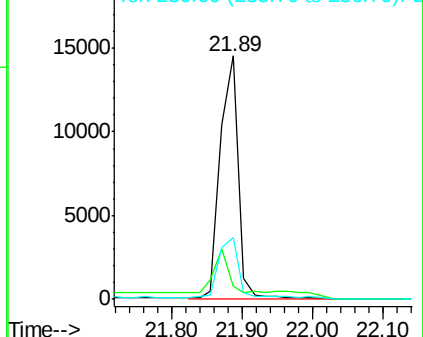
236 25.4 20.7 31.1



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



#28

Pyrene

Concen: 9.685 ng

RT: 20.13 min Scan# 1470

Delta R.T. -0.01 min

Lab File: BE094897.D

Acq: 1 Dec 2017 9:25

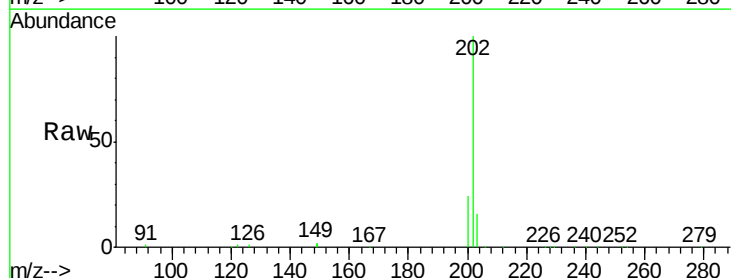
Tgt Ion:202 Resp: 907532

Ion Ratio Lower Upper

202 100

200 19.0 16.6 25.0

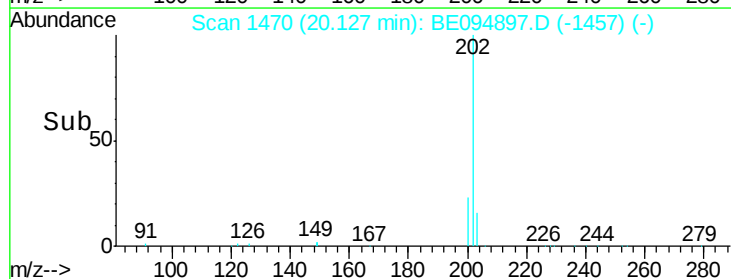
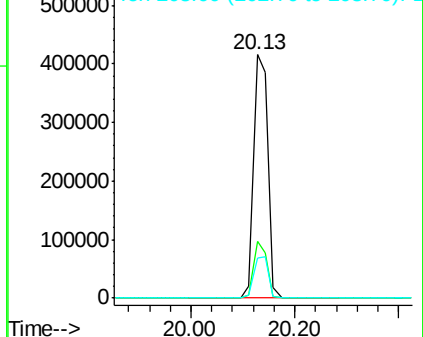
203 17.4 13.8 20.8

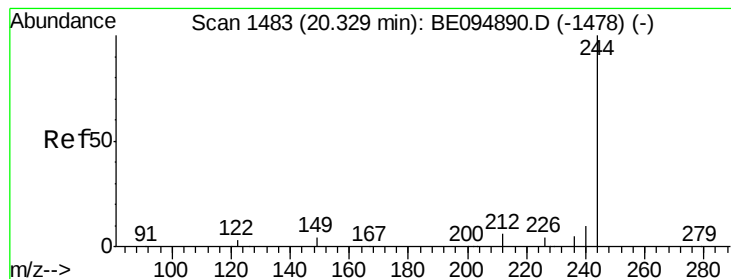


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.435 ng

RT: 20.33 min Scan# 1483

Delta R.T. 0.00 min

Lab File: BE094897.D

Acq: 1 Dec 2017 9:25

Instrument :

BNA_E

ClientSampleId :

PT-PAH-SOIL

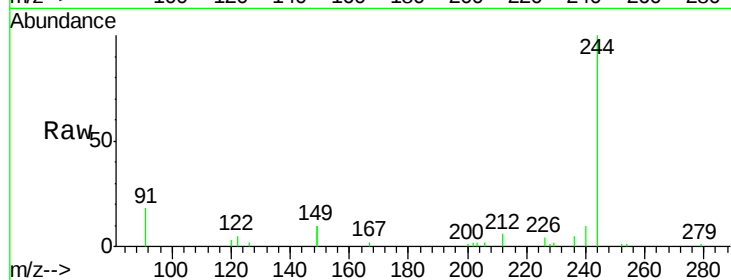
Tgt Ion:244 Resp: 21802

Ion Ratio Lower Upper

244 100

212 6.1 25.4 38.0#

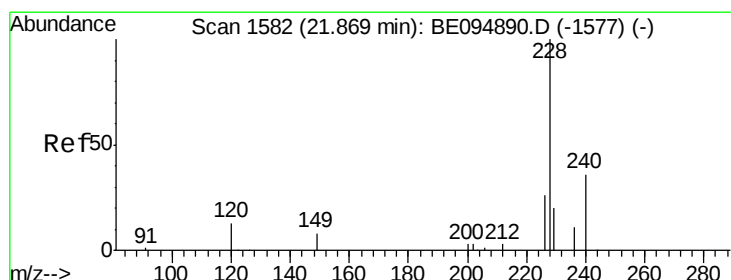
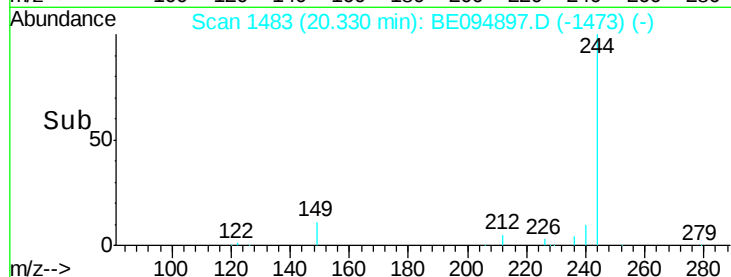
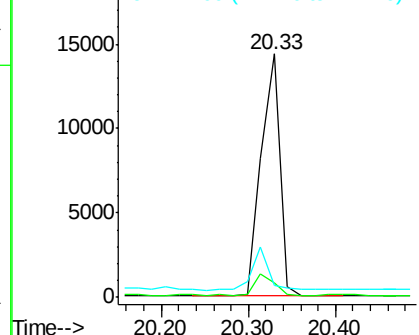
122 5.0 8.1 12.1#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 2.251 ng

RT: 21.85 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BE094897.D

Acq: 1 Dec 2017 9:25

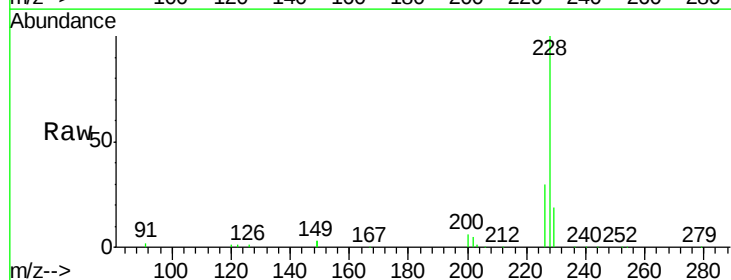
Tgt Ion:228 Resp: 187282

Ion Ratio Lower Upper

228 100

226 29.5 40.0 60.0#

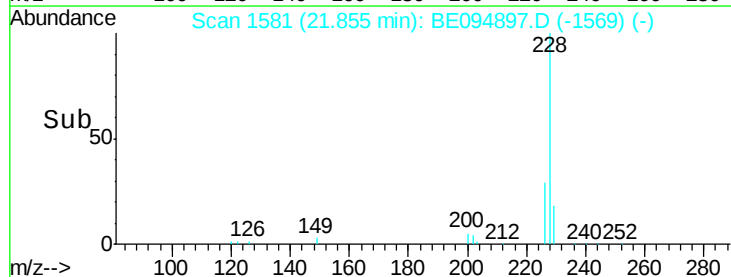
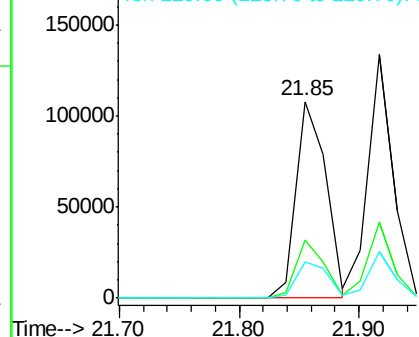
229 18.6 40.0 60.0#

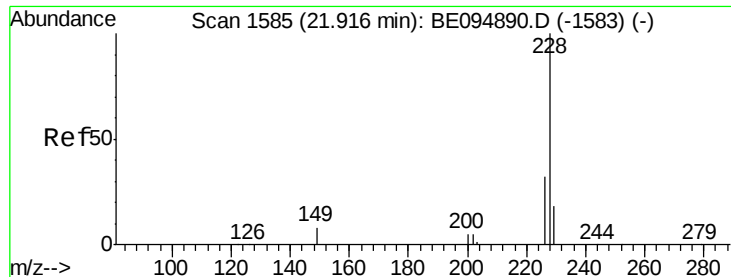


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 2.313 ng

RT: 21.92 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BE094897.D

Acq: 1 Dec 2017 9:25

Instrument :

BNA_E

ClientSampleId :

PT-PAH-SOIL

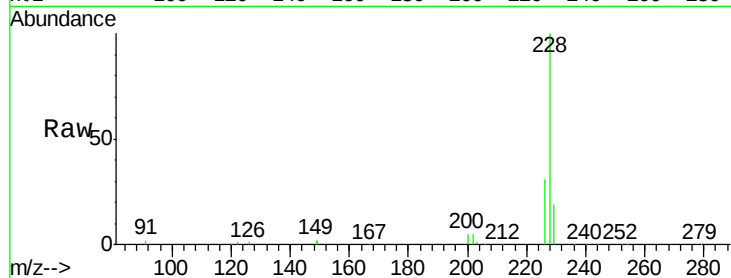
Tgt Ion:228 Resp: 212687

Ion Ratio Lower Upper

228 100

226 31.1 40.0 60.0#

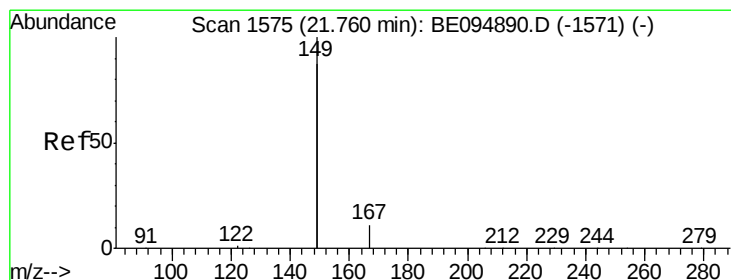
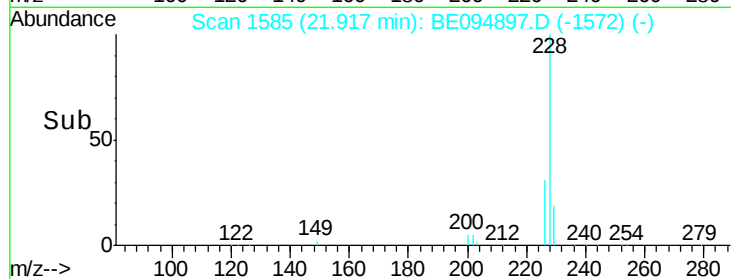
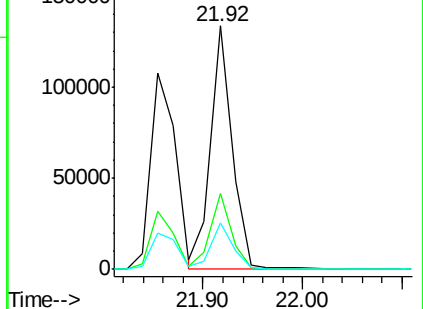
229 19.2 40.0 60.0#



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.454 ng

RT: 21.76 min Scan# 1575

Delta R.T. 0.00 min

Lab File: BE094897.D

Acq: 1 Dec 2017 9:25

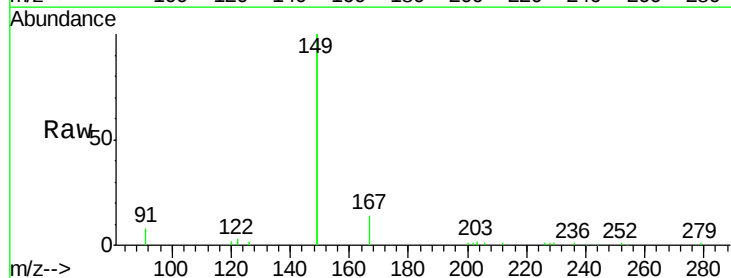
Tgt Ion:149 Resp: 62646

Ion Ratio Lower Upper

149 100

167 7.1 5.4 8.0

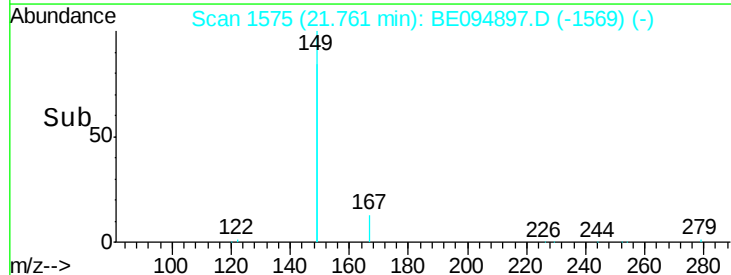
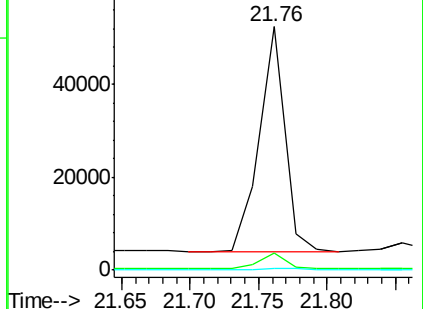
279 0.8 0.7 1.1

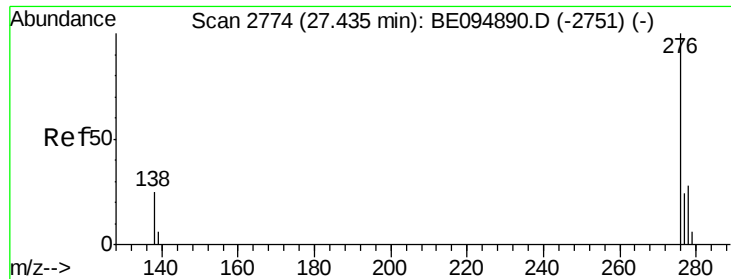


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 9.120 ng

RT: 27.44 min Scan# 2775

Delta R.T. 0.00 min

Lab File: BE094897.D

Acq: 1 Dec 2017 9:25

Instrument :

BNA_E

ClientSampleId :

PT-PAH-SOIL

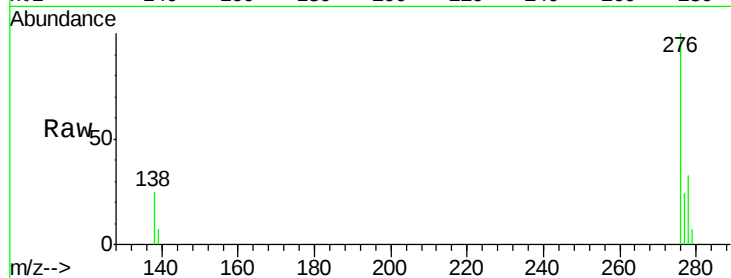
Tgt Ion:276 Resp: 686230

Ion Ratio Lower Upper

276 100

138 26.4 22.5 33.7

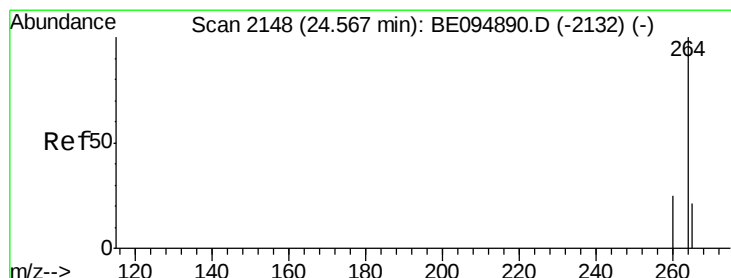
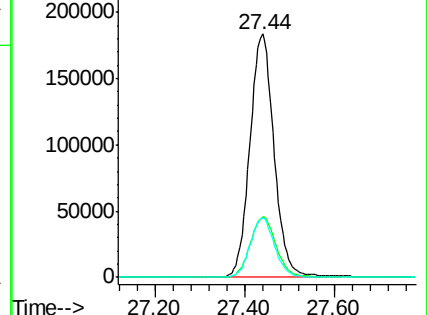
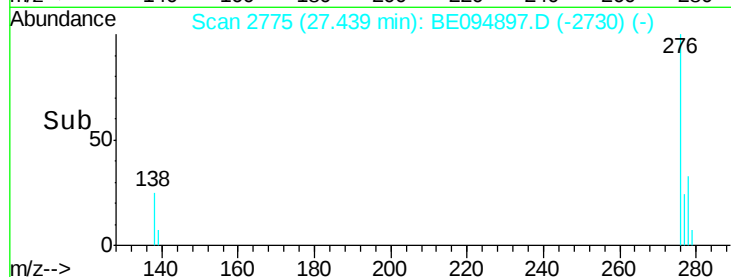
277 24.6 19.9 29.9



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.56 min Scan# 2147

Delta R.T. -0.00 min

Lab File: BE094897.D

Acq: 1 Dec 2017 9:25

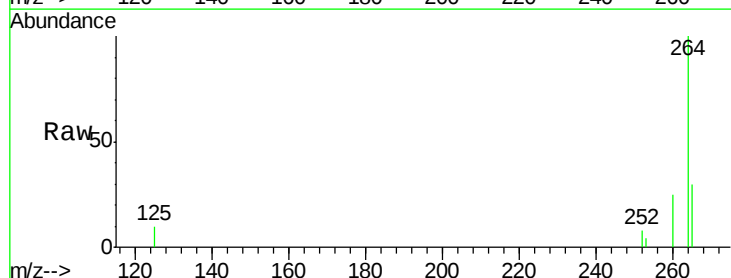
Tgt Ion:264 Resp: 22762

Ion Ratio Lower Upper

264 100

260 24.8 20.5 30.7

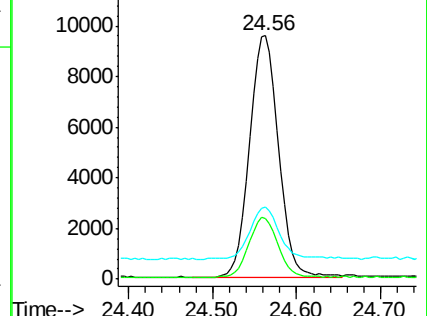
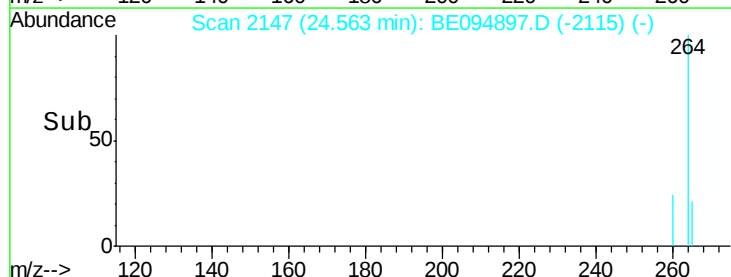
265 29.6 22.8 34.2

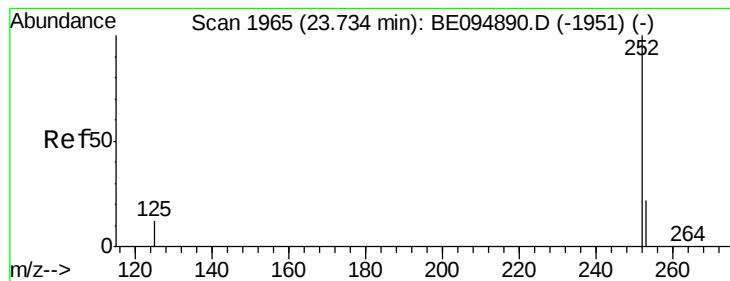


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 8.547 ng

RT: 23.73 min Scan# 1965

Delta R.T. 0.00 min

Lab File: BE094897.D

Acq: 1 Dec 2017 9:25

Instrument :

BNA_E

ClientSampleId :

PT-PAH-SOIL

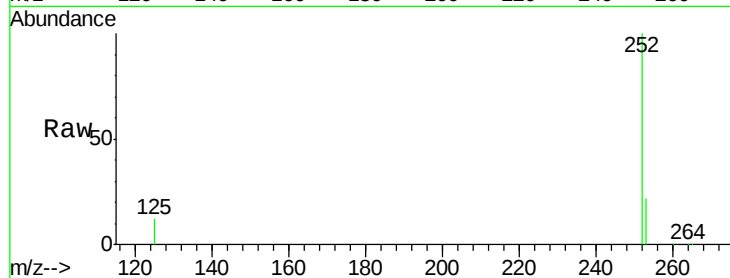
Tgt Ion:252 Resp: 710290

Ion Ratio Lower Upper

252 100

253 22.1 48.0 72.0#

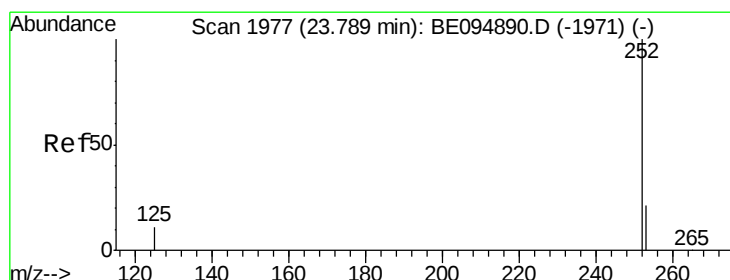
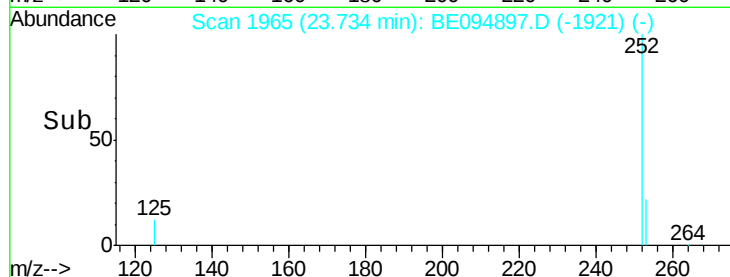
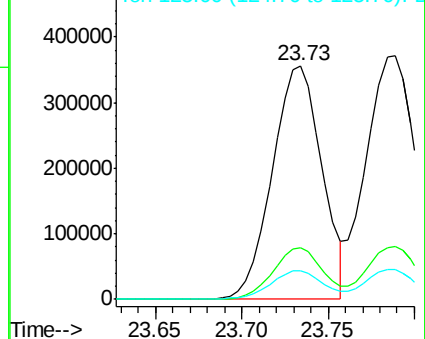
125 12.3 56.0 84.0#



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(k)fluoranthene

Concen: 9.015 ng

RT: 23.79 min Scan# 1977

Delta R.T. 0.00 min

Lab File: BE094897.D

Acq: 1 Dec 2017 9:25

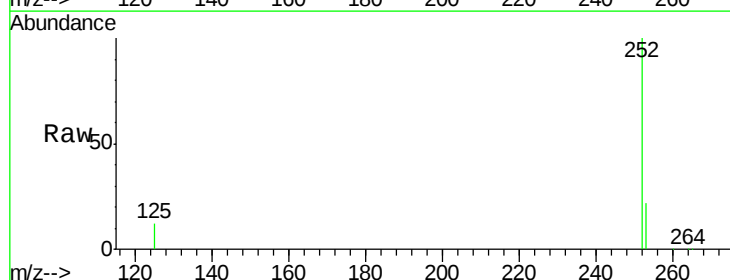
Tgt Ion:252 Resp: 763617

Ion Ratio Lower Upper

252 100

253 21.9 48.0 72.0#

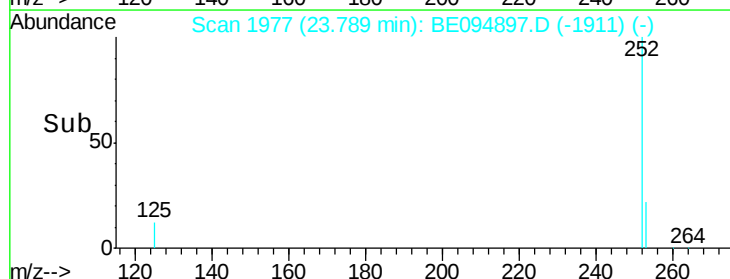
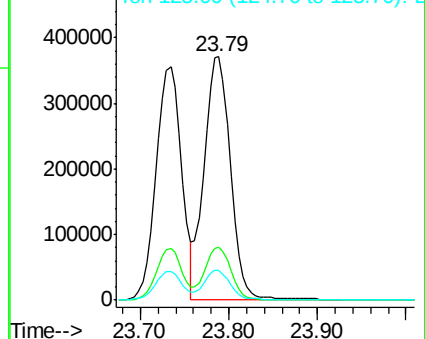
125 12.1 56.0 84.0#

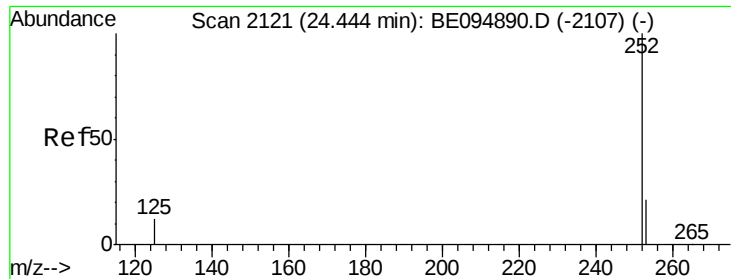


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 2.954 ng

RT: 24.44 min Scan# 2120

Delta R.T. -0.00 min

Lab File: BE094897.D

Acq: 1 Dec 2017 9:25

Instrument :

BNA_E

ClientSampleId :

PT-PAH-SOIL

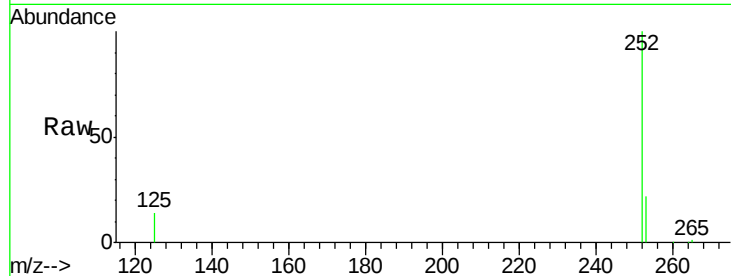
Tgt Ion:252 Resp: 215230

Ion Ratio Lower Upper

252 100

253 22.1 52.0 78.0#

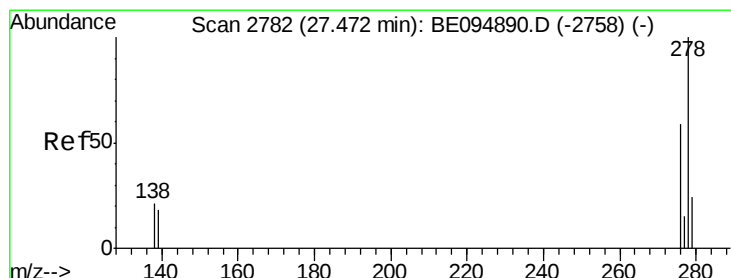
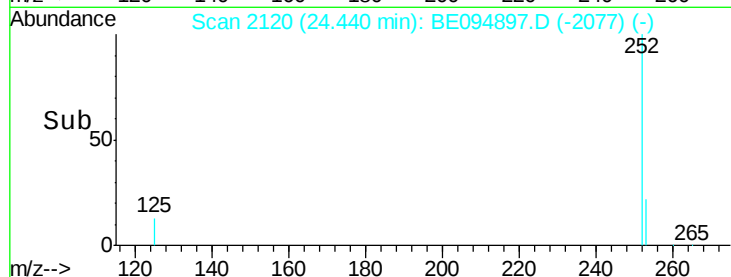
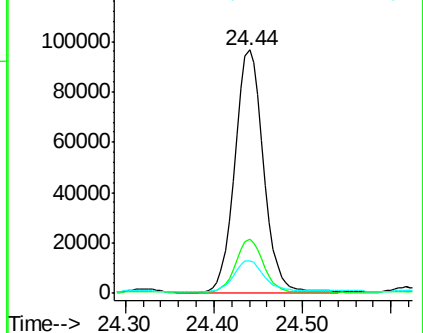
125 13.5 68.0 102.0#



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



#38

Dibenzo(a,h)anthracene

Concen: 5.905 ng

RT: 27.46 min Scan# 2780

Delta R.T. -0.01 min

Lab File: BE094897.D

Acq: 1 Dec 2017 9:25

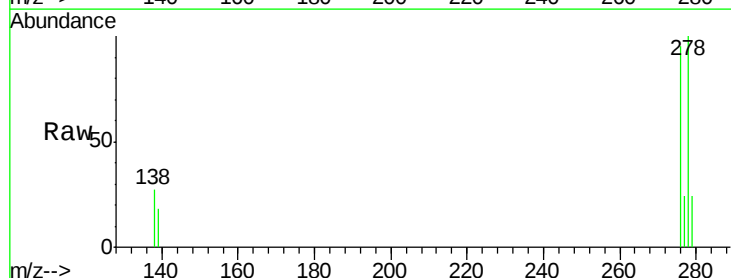
Tgt Ion:278 Resp: 397422

Ion Ratio Lower Upper

278 100

139 18.3 56.0 84.0#

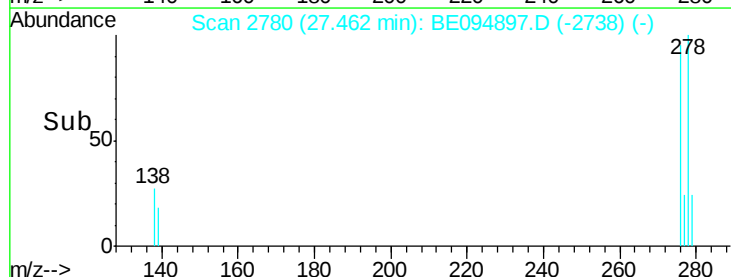
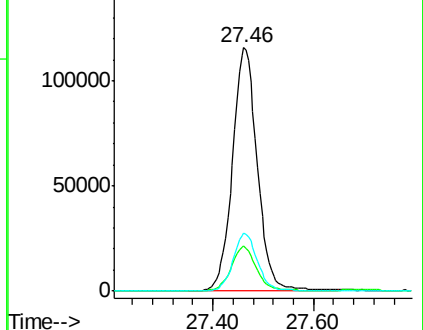
279 23.7 52.0 78.0#

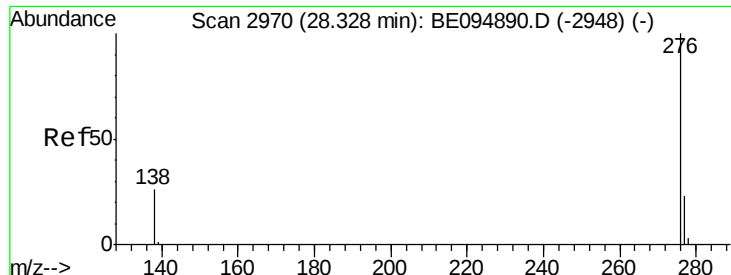


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 5.904 ng

RT: 28.32 min Scan# 2969

Delta R.T. -0.01 min

Lab File: BE094897.D

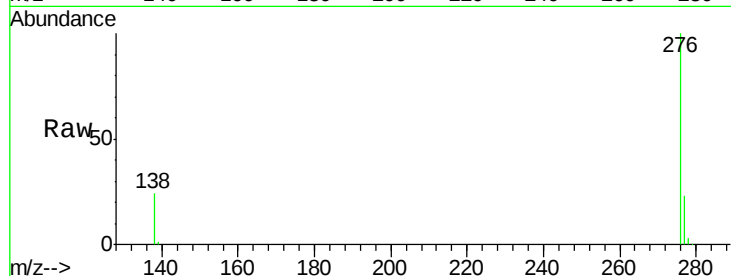
Acq: 1 Dec 2017 9:25

Instrument :

BNA_E

ClientSampleId :

PT-PAH-SOIL



Tgt Ion: 276 Resp: 396834

Ion Ratio Lower Upper

276 100

277 23.5 52.0 78.0#

138 24.4 44.0 66.0#

