

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE120117\
 Data File : BE094900.D
 Acq On : 1 Dec 2017 11:57
 Operator : SJ/JU
 Sample : I6298-15
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PT-BNA-Soil

Quant Time: Dec 01 14:13:41 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	8.49	152	9132	0.40	ng	0.00
7) Naphthalene-d8	11.33	136	19860	0.40	ng	0.00
13) Acenaphthene-d10	15.08	164	10384	0.40	ng	0.00
19) Phenanthrene-d10	17.79	188	23185	0.40	ng	0.01
27) Chrysene-d12	21.90	240	23436	0.40	ng	0.02
34) Perylene-d12	24.57	264	19634	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.96	112	1393285	96.40	ng	0.00
5) Phenol-d6	7.61	99	2142738	100.06	ng	0.01
8) Nitrobenzene-d5	9.67	82	1330159	113.13	ng	0.00
11) 2-Methylnaphthalene-d10	12.86	152	26	0.00	ng	0.00
14) 2,4,6-Tribromophenol	16.55	330	372221	129.56	ng	0.02
15) 2-Fluorobiphenyl	13.71	172	2428075	54.60	ng	0.00
25) Fluoranthene-d10	19.78	212	120	0.00	ng	0.02
29) Terphenyl-d14	20.33	244	2625001	60.65	ng	0.00

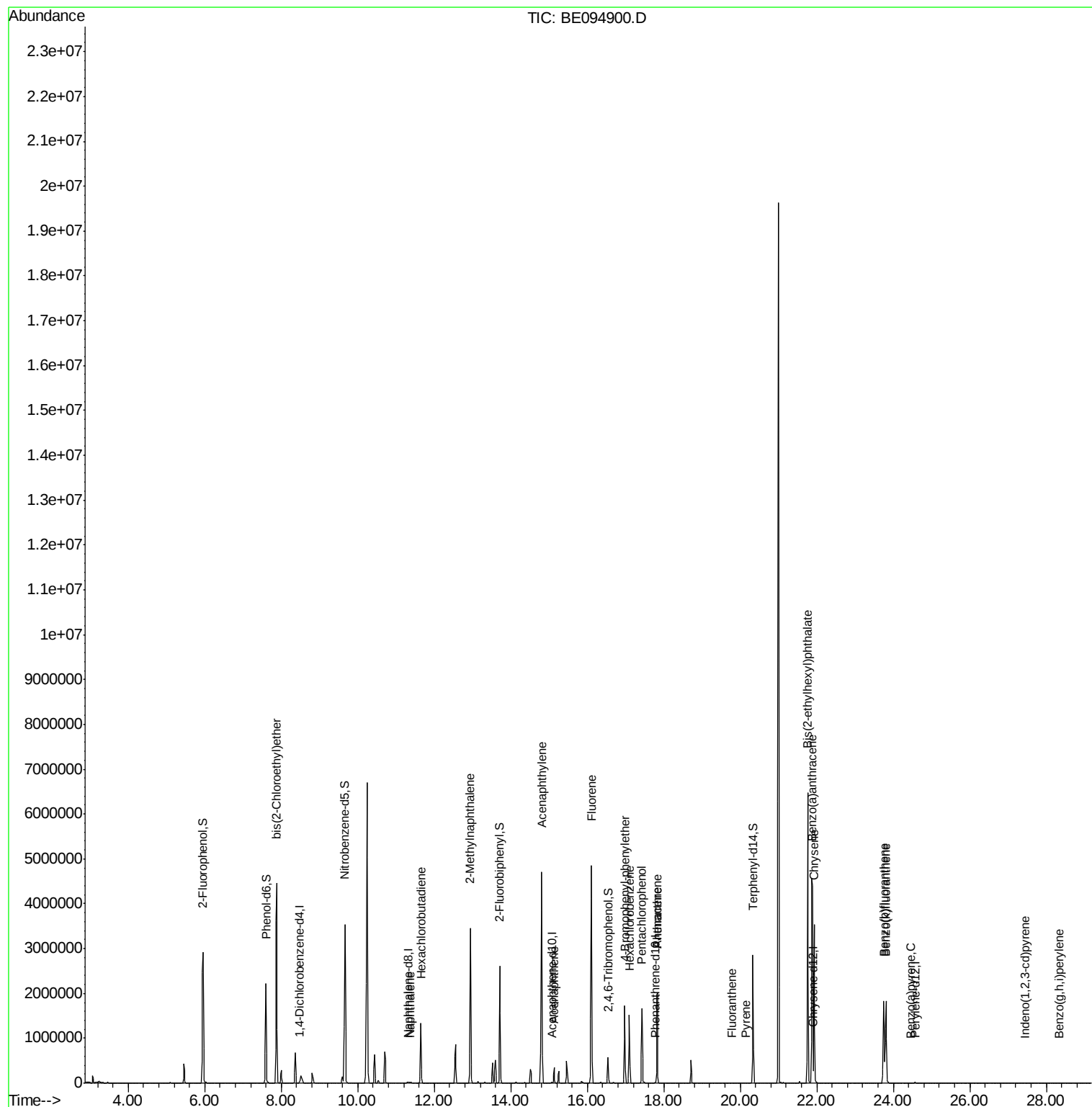
Target Compounds				Qvalue		
6) bis(2-Chloroethyl)ether	7.88	93	1501887	70.751	ng	92
9) Naphthalene	11.38	128	31571	0.136	ng	99
10) Hexachlorobutadiene	11.65	225	891985	90.779	ng	98
12) 2-Methylnaphthalene	12.94	142	3540447	61.198	ng	93
16) Acenaphthylene	14.81	152	5971091	101.767	ng	95
17) Acenaphthene	15.14	154	172151	4.540	ng	95
18) Fluorene	16.11	166	3890960	80.635	ng	# 78
20) 4-Bromophenyl-phenylether	16.98	248	861800	66.627	ng	# 86
21) Hexachlorobenzene	17.10	284	1168445	92.608	ng	# 79
22) Pentachlorophenol	17.43	266	749774	179.584	ng	# 71
23) Phenanthrene	17.83	178	2685662	36.354	ng	97
24) Anthracene	17.83	178	2685662	34.285	ng	# 94
26) Fluoranthene	19.79	202	4599	0.048	ng	97
28) Pyrene	20.14	202	4098	0.051	ng	# 90
30) Benzo(a)anthracene	21.88	228	6217053	86.510	ng	# 64
31) Chrysene	21.93	228	3025914	38.107	ng	# 66
32) Bis(2-ethylhexyl)phthalate	21.76	149	8251887	69.289	ng	100
33) Indeno(1,2,3-cd)pyrene	27.44	276	1437	0.022	ng	# 85
35) Benzo(b)fluoranthene	23.75	252	3029845	42.268	ng	# 38
36) Benzo(k)fluoranthene	23.81	252	2848780	38.988	ng	# 38
37) Benzo(a)pyrene	24.45	252	1809	0.029	ng	# 66
39) Benzo(g,h,i)perylene	28.33	276	1544	0.027	ng	# 77

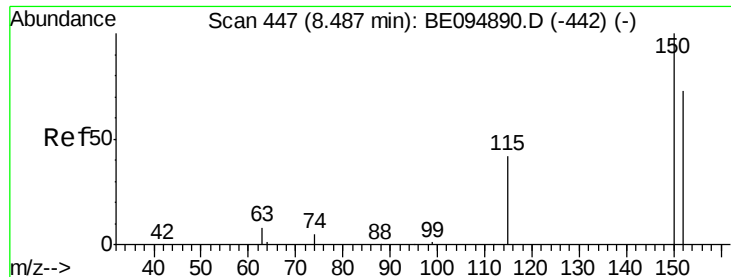
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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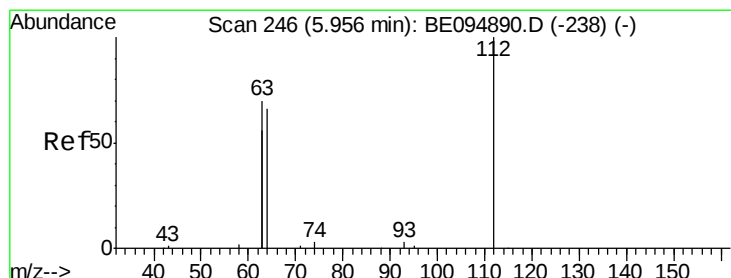
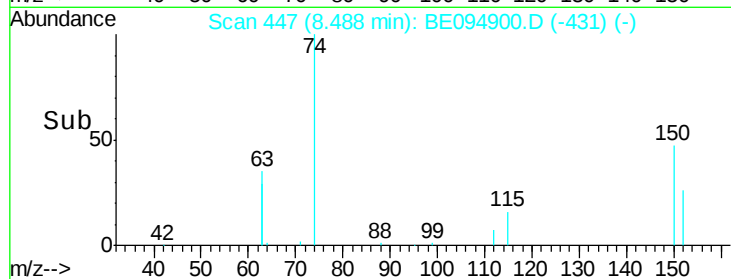
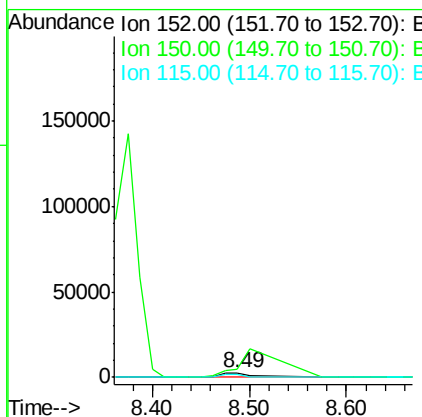
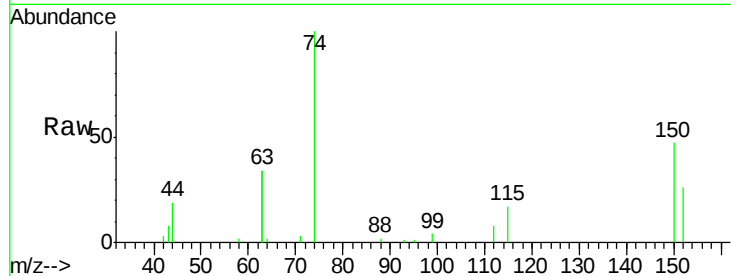




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.49 min Scan# 447
 Delta R.T. 0.00 min
 Lab File: BE094900.D
 Acq: 1 Dec 2017 11:57

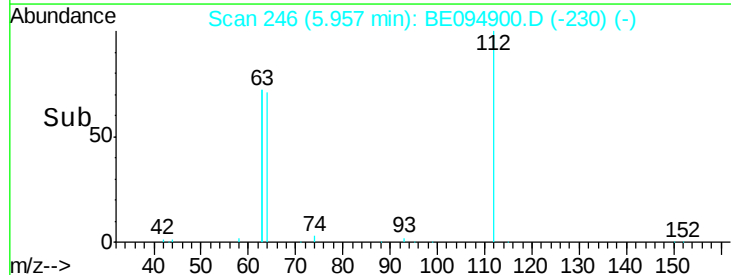
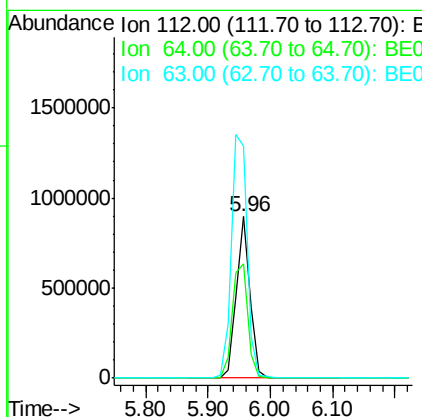
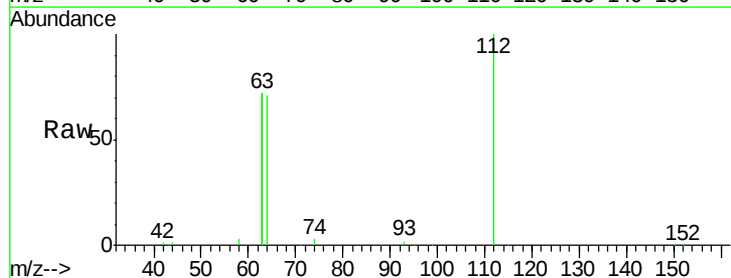
Instrument :
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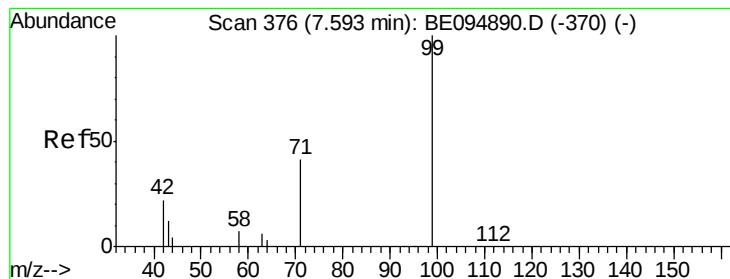
Tgt Ion:152 Resp: 9132
 Ion Ratio Lower Upper
 152 100
 150 178.6 117.2 175.8#
 115 64.1 57.0 85.6



#4
 2-Fluorophenol
 Concen: 96.397 ng
 RT: 5.96 min Scan# 246
 Delta R.T. 0.00 min
 Lab File: BE094900.D
 Acq: 1 Dec 2017 11:57

Tgt Ion:112 Resp: 1393285
 Ion Ratio Lower Upper
 112 100
 64 80.8 60.1 90.1
 63 175.3 116.8 175.2#





#5

Phenol-d6

Concen: 100.060 ng

RT: 7.61 min Scan# 377

Delta R.T. 0.01 min

Lab File: BE094900.D

Acq: 1 Dec 2017 11:57

Instrument :

BNA_E

ClientSampleId :

PT-BNA-Soil

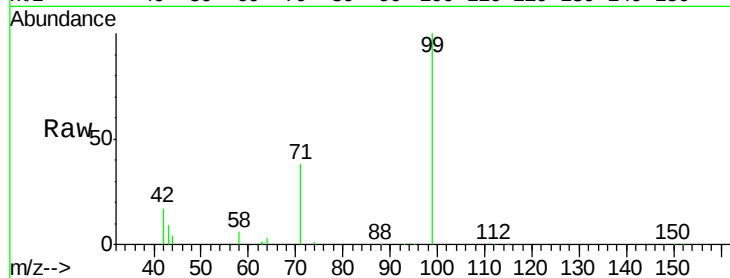
Tgt Ion: 99 Resp: 2142738

Ion Ratio Lower Upper

99 100

42 27.3 20.2 30.2

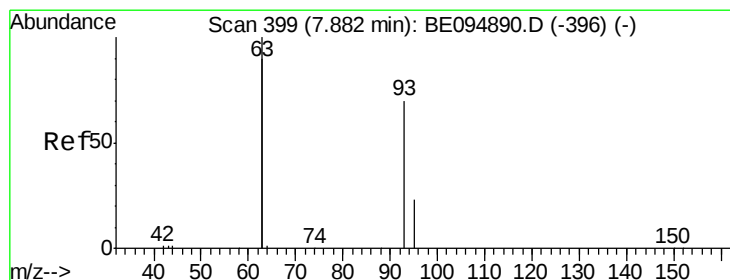
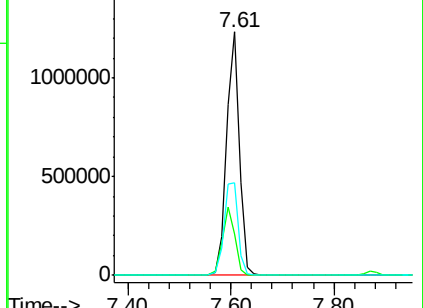
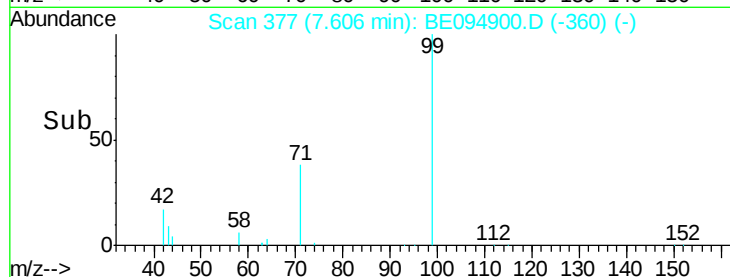
71 42.3 28.4 42.6



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: 70.751 ng

RT: 7.88 min Scan# 399

Delta R.T. 0.00 min

Lab File: BE094900.D

Acq: 1 Dec 2017 11:57

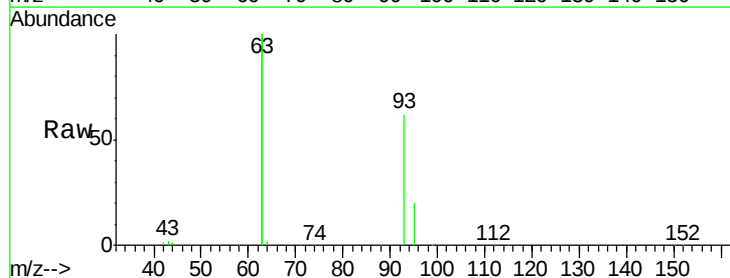
Tgt Ion: 93 Resp: 1501887

Ion Ratio Lower Upper

93 100

63 363.6 275.3 412.9

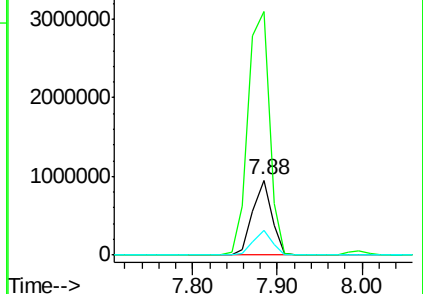
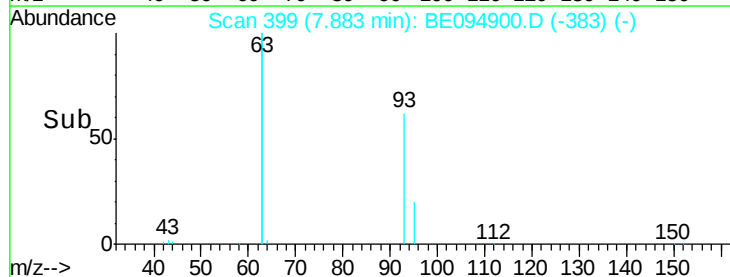
95 32.5 25.2 37.8

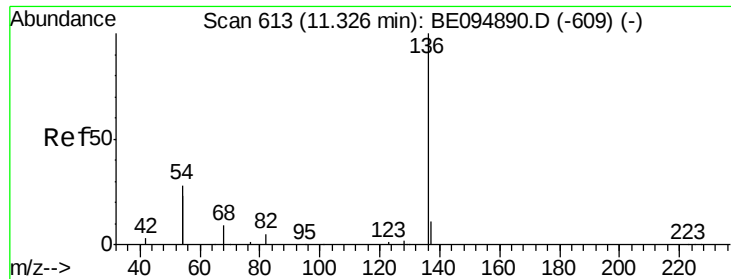


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE094900.D

Acq: 1 Dec 2017 11:57

Instrument :

BNA_E

ClientSampleId :

PT-BNA-Soil

Tgt Ion:136 Resp: 19860

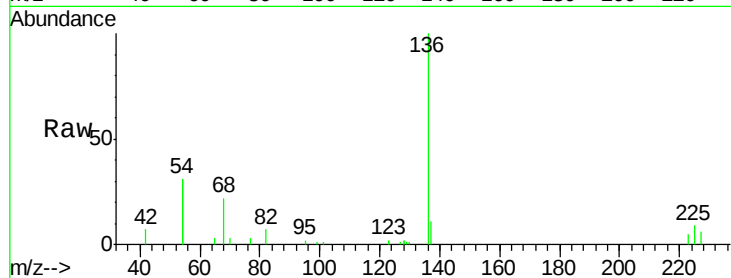
Ion Ratio Lower Upper

136 100

137 11.5 9.5 14.3

54 61.5 29.1 43.7#

68 22.0 6.2 9.2#

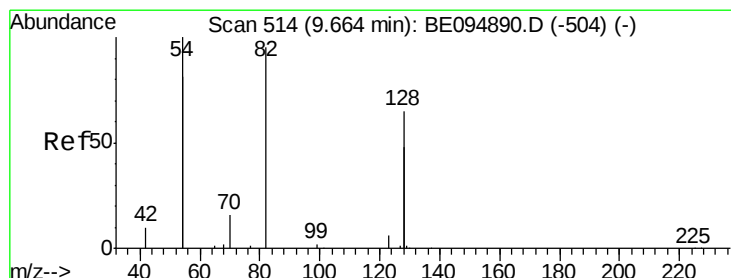
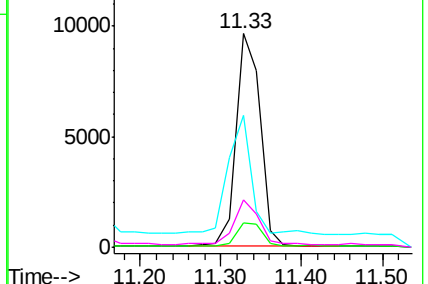
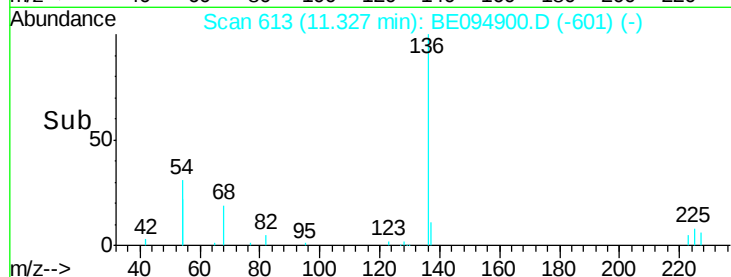


Abundance Ion 136.00 (135.70 to 136.70): E

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



#8

Nitrobenzene-d5

Concen: 113.133 ng

RT: 9.67 min Scan# 514

Delta R.T. 0.00 min

Lab File: BE094900.D

Acq: 1 Dec 2017 11:57

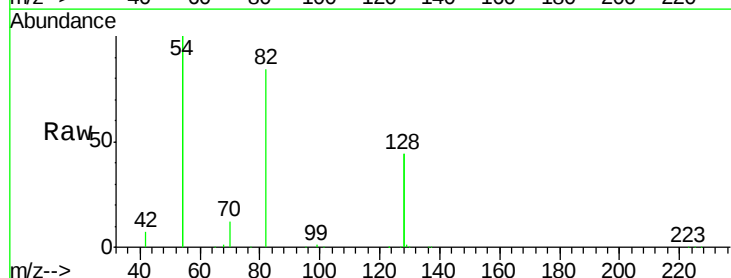
Tgt Ion: 82 Resp: 1330159

Ion Ratio Lower Upper

82 100

128 104.8 150.0 225.0#

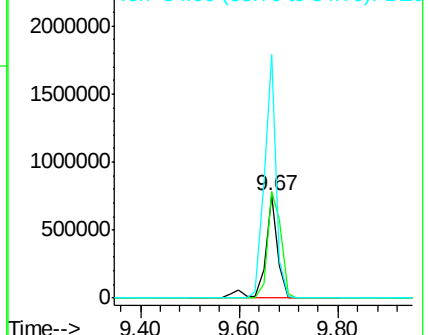
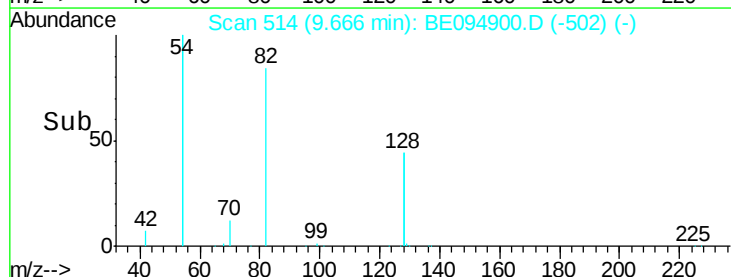
54 237.9 154.2 231.4#

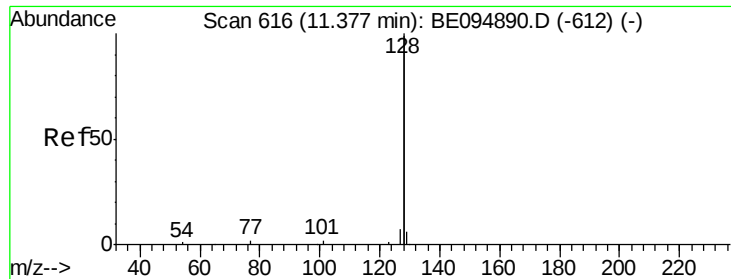


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.136 ng

RT: 11.38 min Scan# 616

Delta R.T. 0.00 min

Lab File: BE094900.D

Acq: 1 Dec 2017 11:57

Instrument :

BNA_E

ClientSampleId :

PT-BNA-Soil

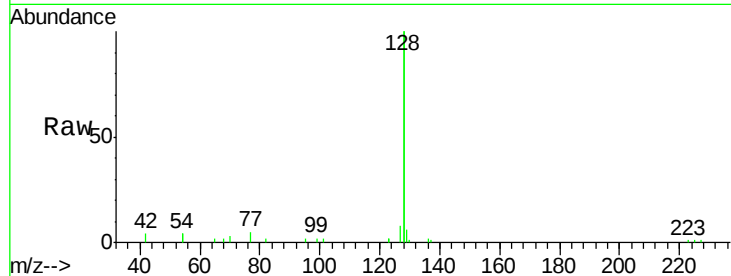
Tgt Ion:128 Resp: 31571

Ion Ratio Lower Upper

128 100

129 3.1 2.6 3.8

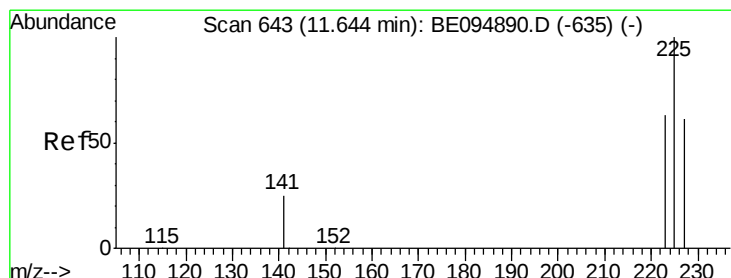
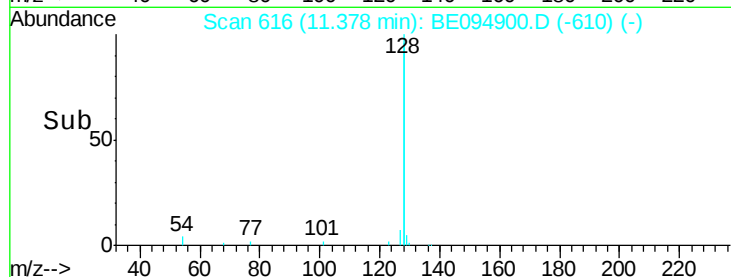
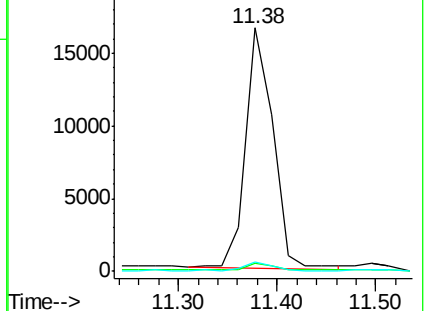
127 3.8 2.8 4.2



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: 90.779 ng

RT: 11.65 min Scan# 644

Delta R.T. 0.01 min

Lab File: BE094900.D

Acq: 1 Dec 2017 11:57

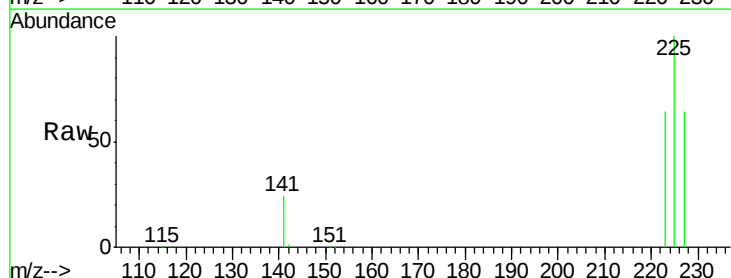
Tgt Ion:225 Resp: 891985

Ion Ratio Lower Upper

225 100

223 63.4 53.0 79.6

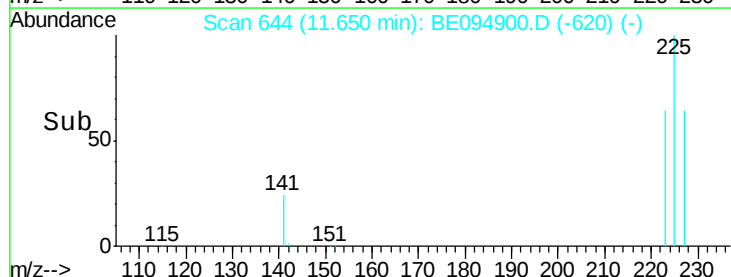
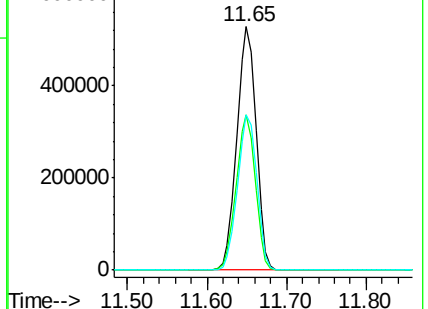
227 64.1 51.4 77.2

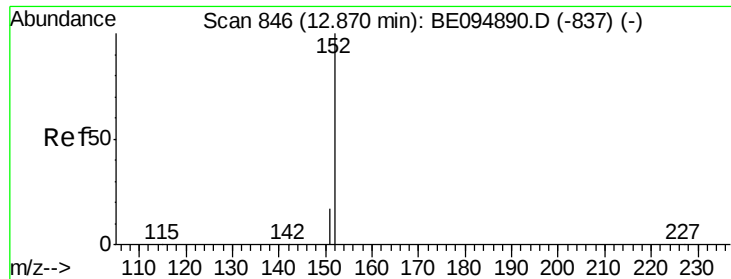


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

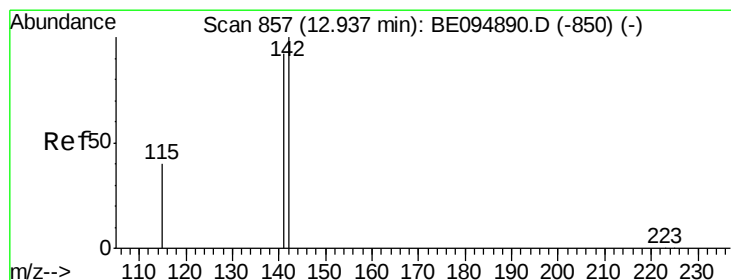
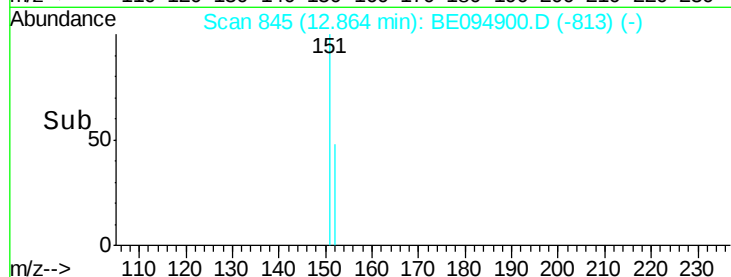
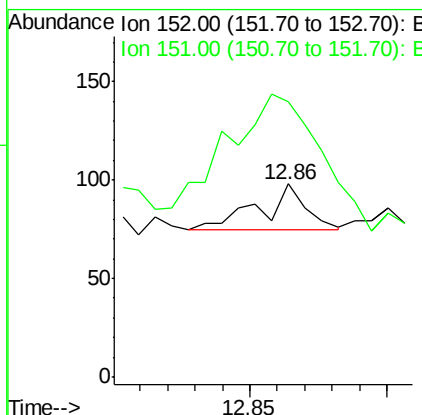
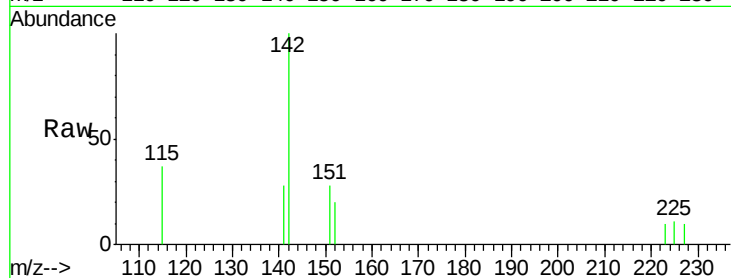




#11
 2-Methylnaphthalene-d10
 Concen: 0.001 ng
 RT: 12.86 min Scan# 845
 Delta R.T. -0.01 min
 Lab File: BE094900.D
 Acq: 1 Dec 2017 11:57

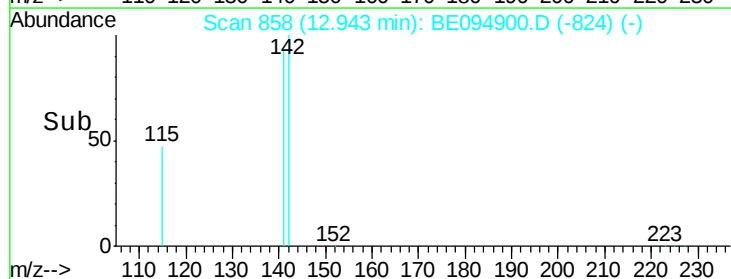
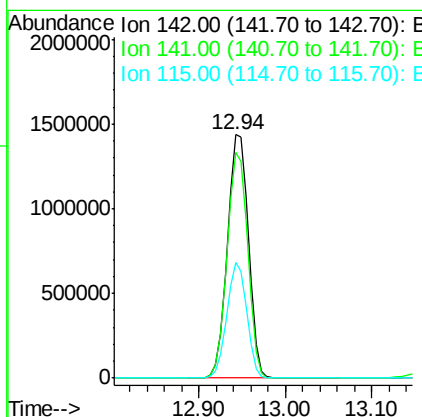
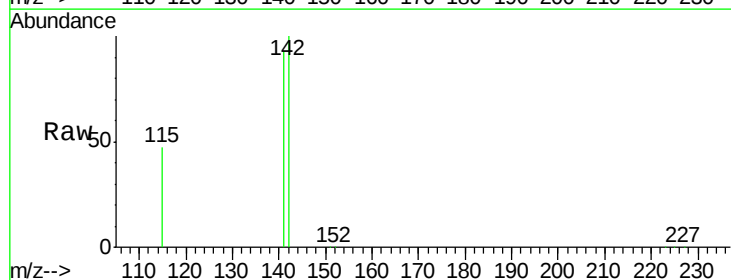
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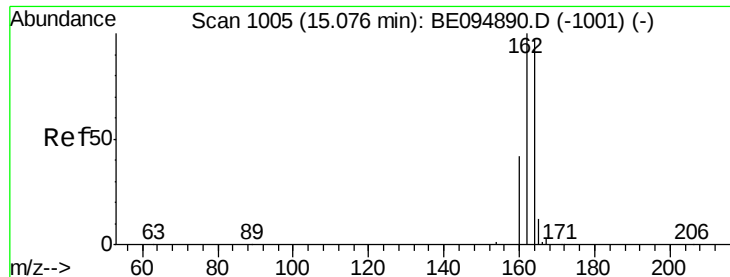
Tgt Ion:152 Resp: 26
 Ion Ratio Lower Upper
 152 100
 151 650.0 15.4 23.0#



#12
 2-Methylnaphthalene
 Concen: 61.198 ng
 RT: 12.94 min Scan# 858
 Delta R.T. 0.01 min
 Lab File: BE094900.D
 Acq: 1 Dec 2017 11:57

Tgt Ion:142 Resp: 3540447
 Ion Ratio Lower Upper
 142 100
 141 92.8 70.4 105.6
 115 47.3 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.08 min Scan# 1005

Delta R.T. 0.00 min

Lab File: BE094900.D

Acq: 1 Dec 2017 11:57

Instrument :

BNA_E

ClientSampleId :

PT-BNA-Soil

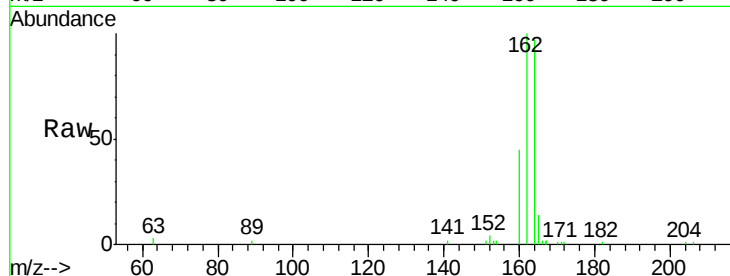
Tgt Ion:164 Resp: 10384

Ion Ratio Lower Upper

164 100

162 103.2 83.1 124.7

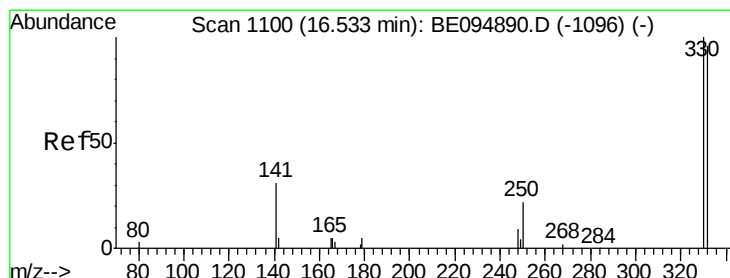
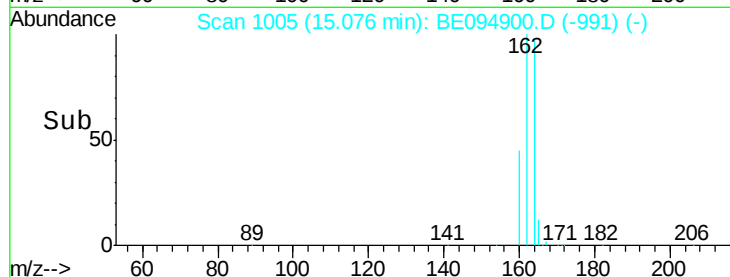
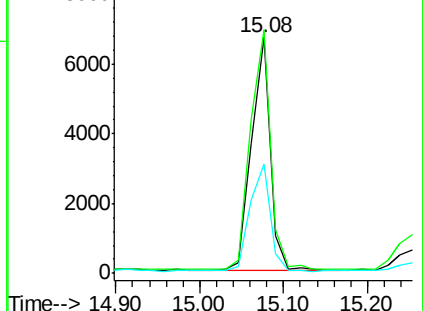
160 46.2 37.1 55.7



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: 129.558 ng

RT: 16.55 min Scan# 1101

Delta R.T. 0.02 min

Lab File: BE094900.D

Acq: 1 Dec 2017 11:57

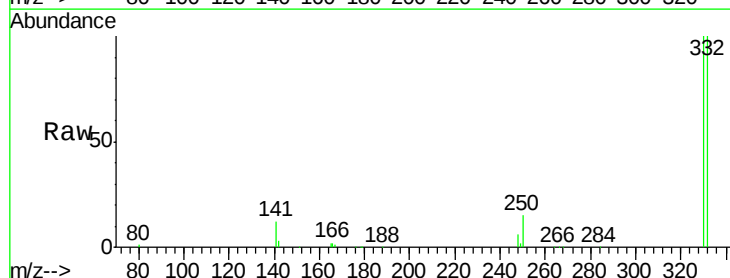
Tgt Ion:330 Resp: 372221

Ion Ratio Lower Upper

330 100

332 97.0 152.7 229.1#

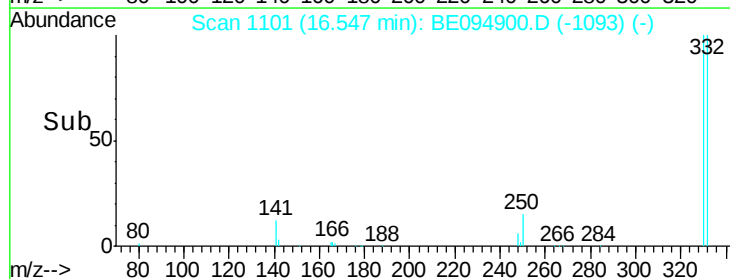
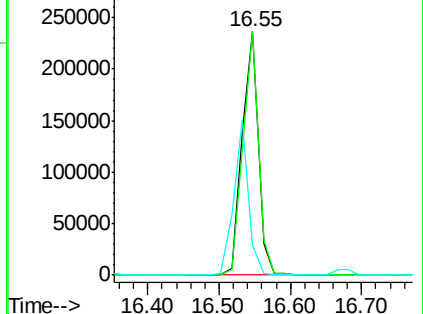
141 58.6 33.7 50.5#

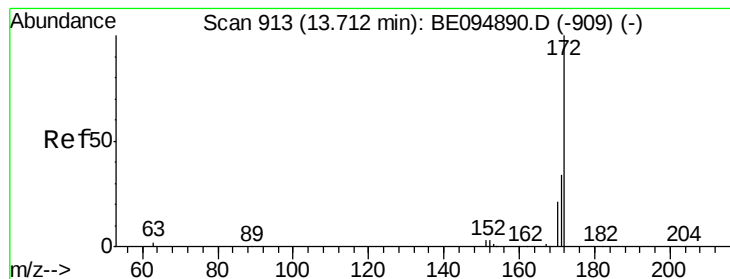


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 54.601 ng

RT: 13.71 min Scan# 913

Delta R.T. 0.00 min

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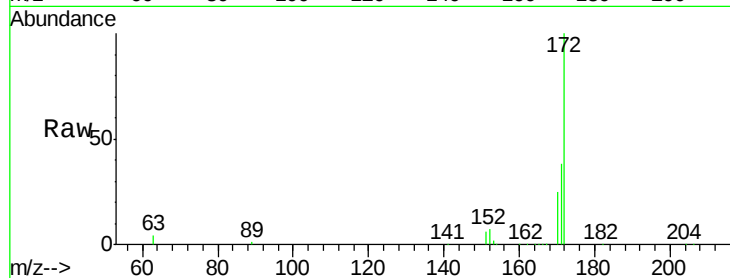
Tgt Ion:172 Resp: 2428075

Ion Ratio Lower Upper

172 100

171 37.9 29.9 44.9

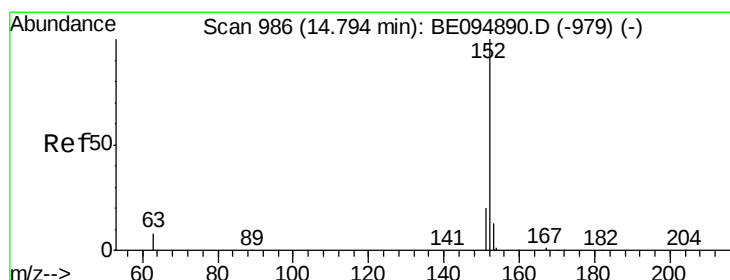
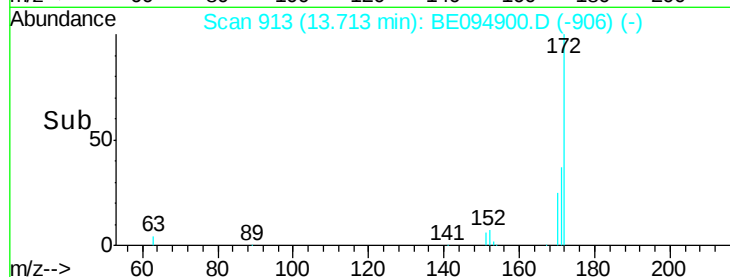
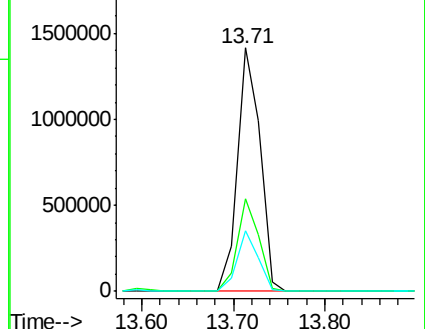
170 25.0 21.8 32.8



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: 101.767 ng

RT: 14.81 min Scan# 987

Delta R.T. 0.02 min

Lab File: BE094900.D

Acq: 1 Dec 2017 11:57

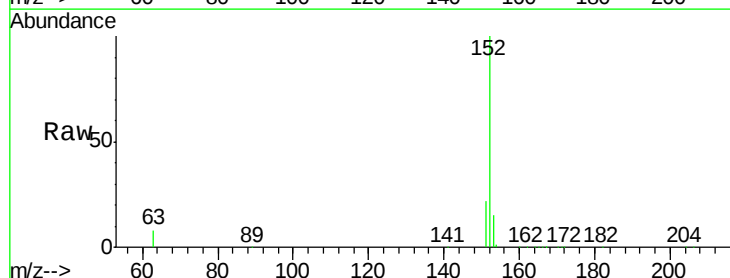
Tgt Ion:152 Resp: 5971091

Ion Ratio Lower Upper

152 100

151 22.3 15.7 23.5

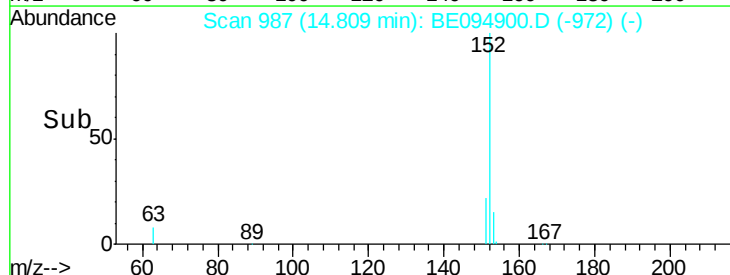
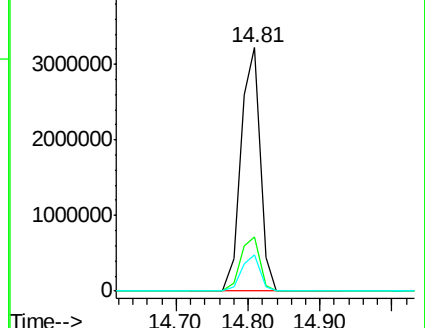
153 14.3 10.5 15.7

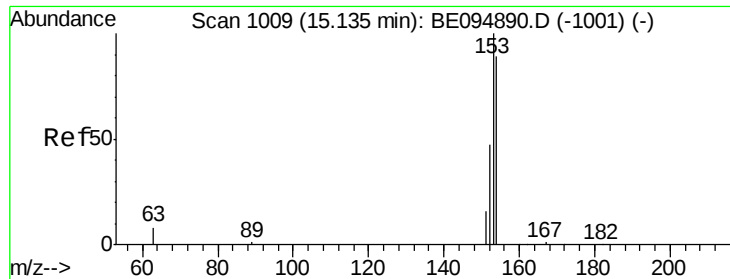


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 4.540 ng

RT: 15.14 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BE094900.D

Acq: 1 Dec 2017 11:57

Instrument :

BNA_E

ClientSampleId :

PT-BNA-Soil

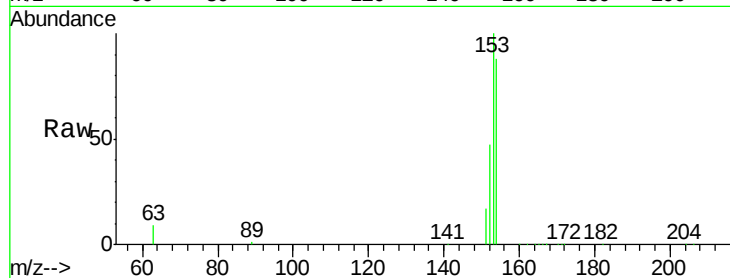
Tgt Ion:154 Resp: 172151

Ion Ratio Lower Upper

154 100

153 116.0 89.2 133.8

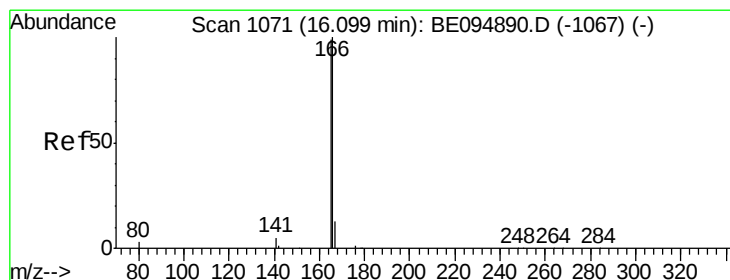
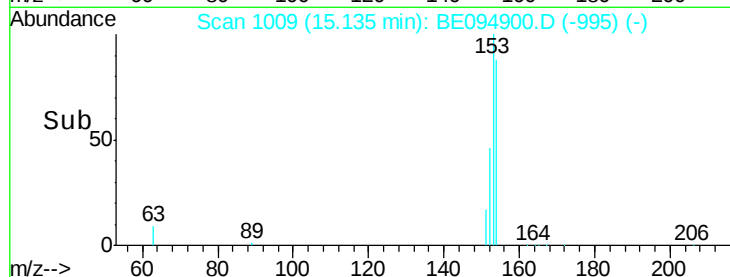
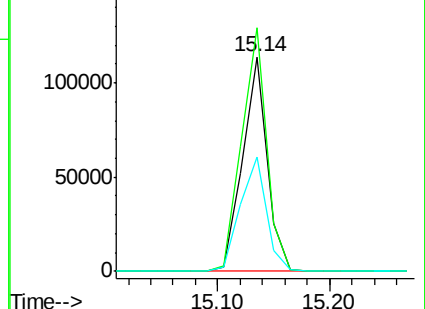
152 56.0 42.0 63.0



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: 80.635 ng

RT: 16.11 min Scan# 1072

Delta R.T. 0.01 min

Lab File: BE094900.D

Acq: 1 Dec 2017 11:57

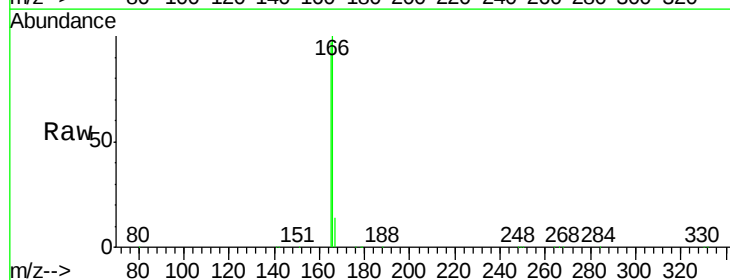
Tgt Ion:166 Resp: 3890960

Ion Ratio Lower Upper

166 100

165 100.8 77.8 116.6

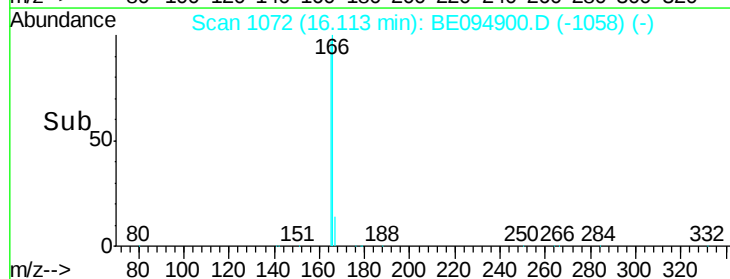
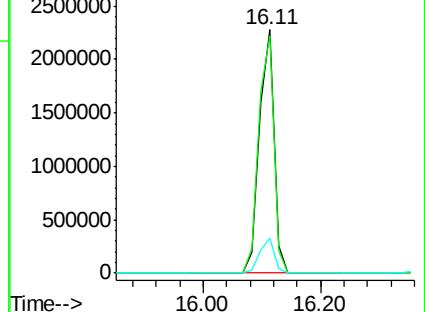
167 14.0 42.4 63.6#

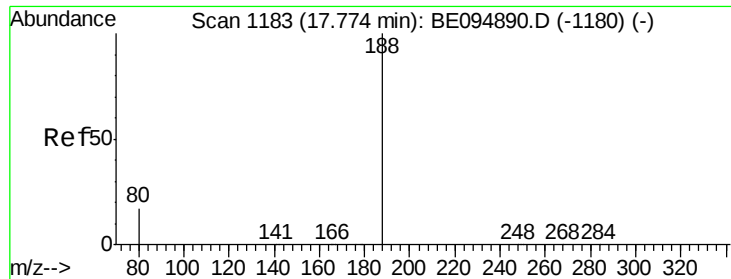


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.79 min Scan# 1184

Delta R.T. 0.01 min

Lab File: BE094900.D

Acq: 1 Dec 2017 11:57

Instrument :

BNA_E

ClientSampleId :

PT-BNA-Soil

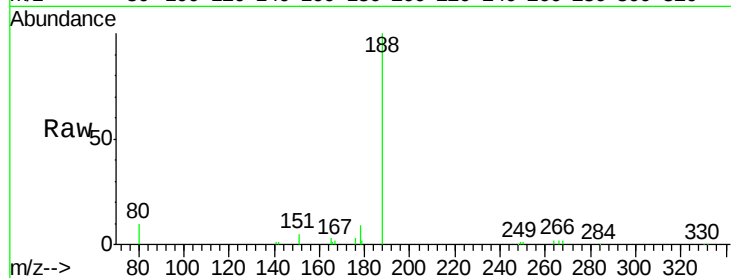
Tgt Ion:188 Resp: 23185

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

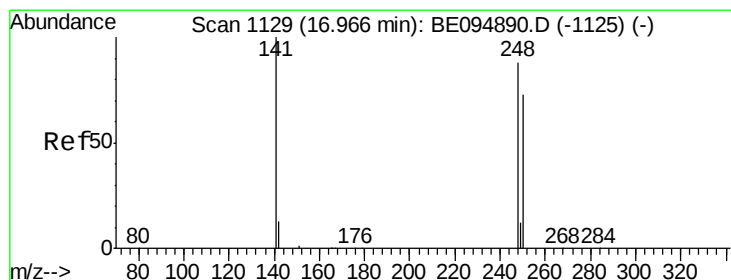
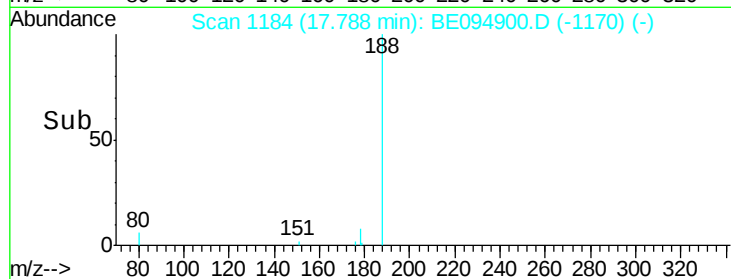
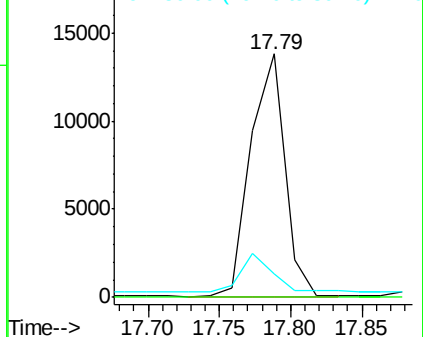
80 9.8 3.6 5.4#



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



#20

4-Bromophenyl-phenylether

Concen: 66.627 ng

RT: 16.98 min Scan# 1130

Delta R.T. 0.01 min

Lab File: BE094900.D

Acq: 1 Dec 2017 11:57

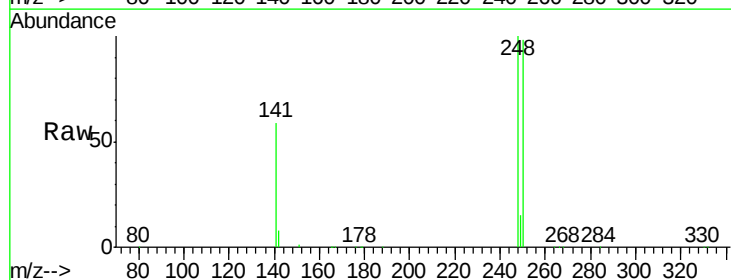
Tgt Ion:248 Resp: 861800

Ion Ratio Lower Upper

248 100

250 98.4 62.7 94.1#

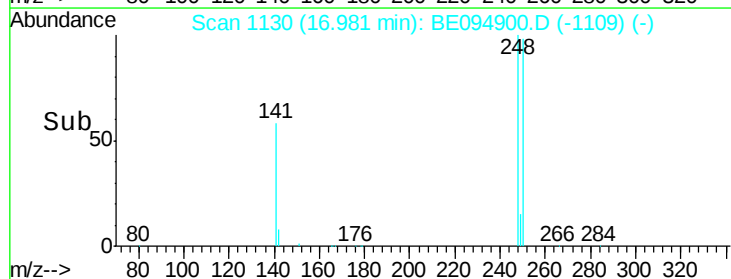
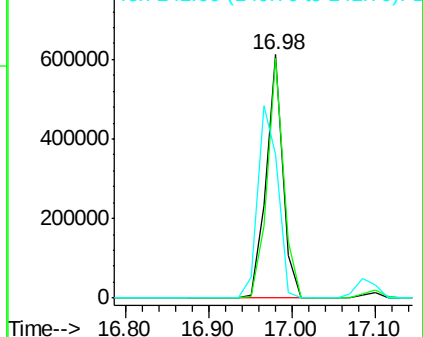
141 59.0 48.2 72.2

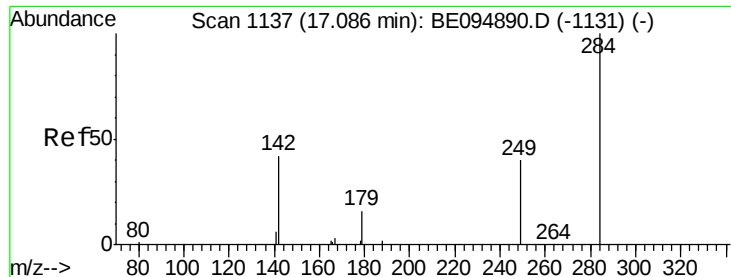


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 92.608 ng

RT: 17.10 min Scan# 1138

Delta R.T. 0.01 min

Lab File: BE094900.D

Acq: 1 Dec 2017 11:57

Instrument :

BNA_E

ClientSampleId :

PT-BNA-Soil

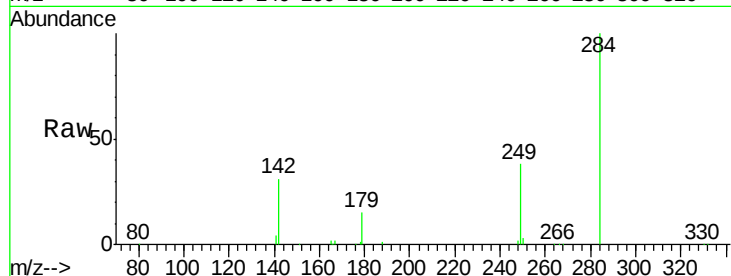
Tgt Ion:284 Resp: 1168445

Ion Ratio Lower Upper

284 100

142 47.5 22.1 33.1#

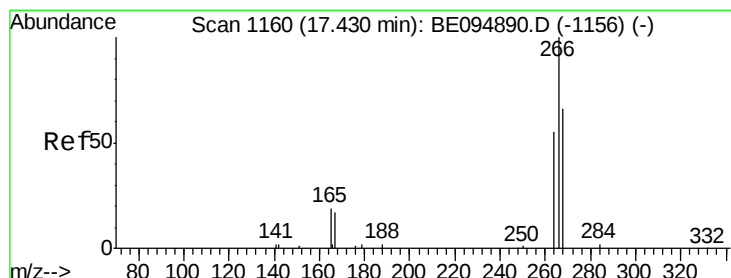
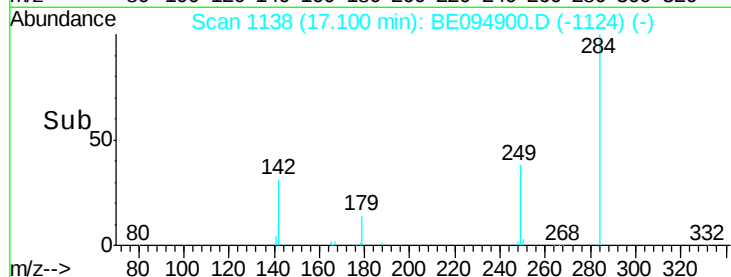
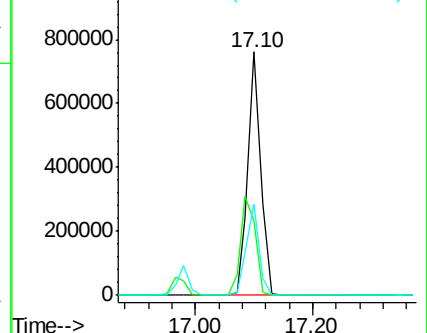
249 37.2 34.8 52.2



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



#22

Pentachlorophenol

Concen: 179.584 ng

RT: 17.43 min Scan# 1160

Delta R.T. 0.00 min

Lab File: BE094900.D

Acq: 1 Dec 2017 11:57

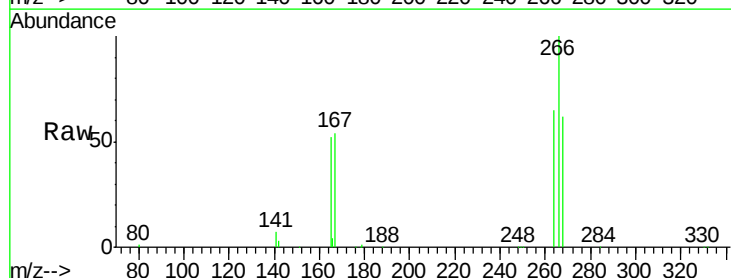
Tgt Ion:266 Resp: 749774

Ion Ratio Lower Upper

266 100

264 65.2 72.5 108.7#

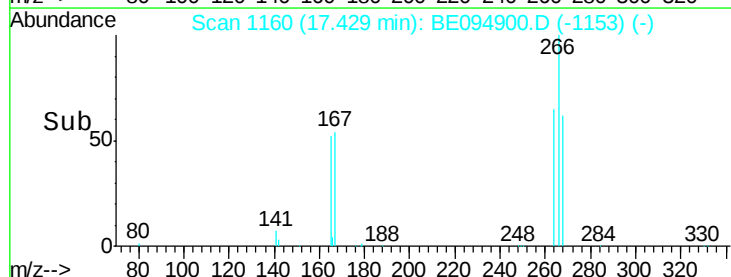
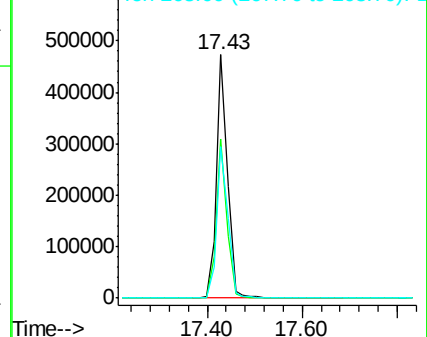
268 62.1 73.8 110.6#

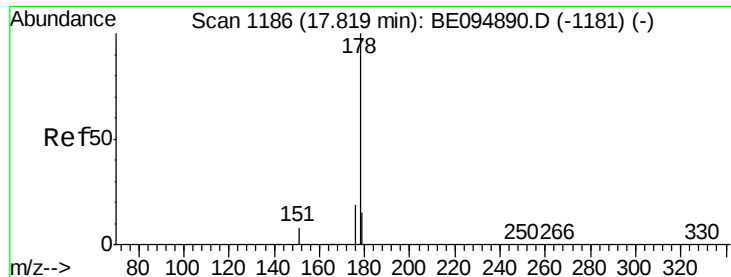


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 36.354 ng

RT: 17.83 min Scan# 1187

Delta R.T. 0.01 min

Lab File: BE094900.D

Acq: 1 Dec 2017 11:57

Instrument :

BNA_E

ClientSampleId :

PT-BNA-Soil

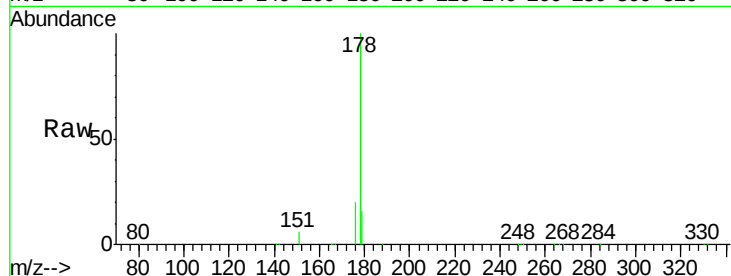
Tgt Ion:178 Resp: 2685662

Ion Ratio Lower Upper

178 100

176 20.7 15.1 22.7

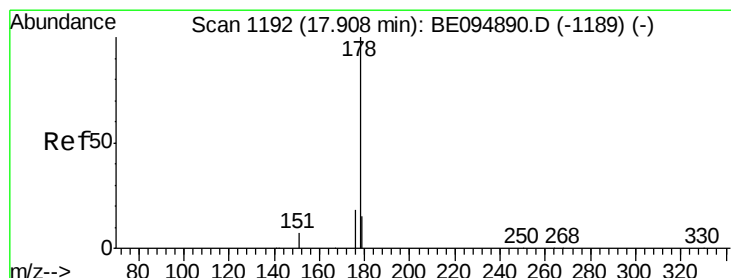
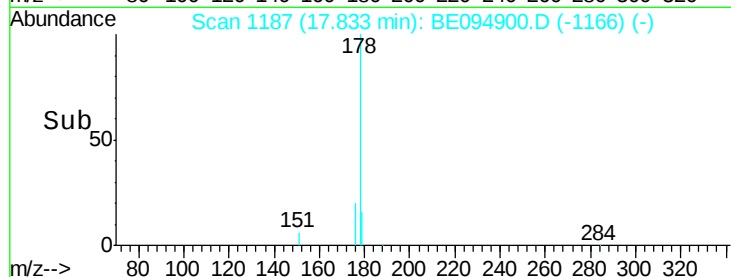
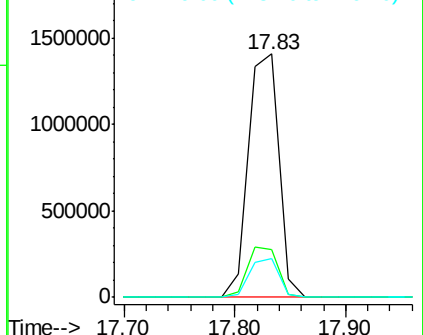
179 15.6 11.8 17.6



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



#24

Anthracene

Concen: 34.285 ng

RT: 17.83 min Scan# 1187

Delta R.T. -0.08 min

Lab File: BE094900.D

Acq: 1 Dec 2017 11:57

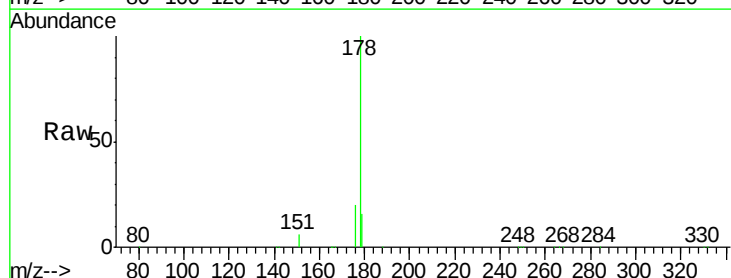
Tgt Ion:178 Resp: 2685662

Ion Ratio Lower Upper

178 100

176 20.7 12.8 19.2#

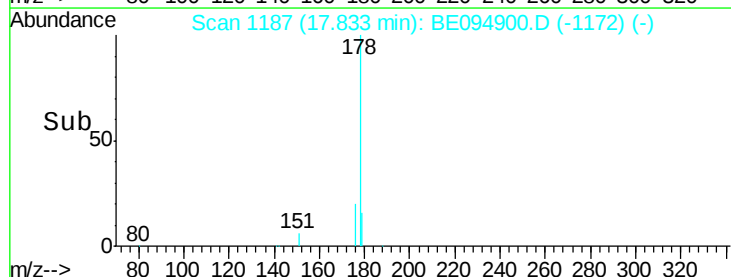
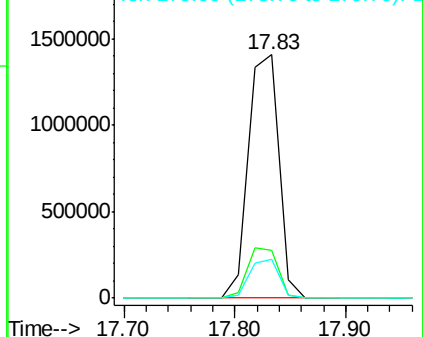
179 15.6 13.0 19.6

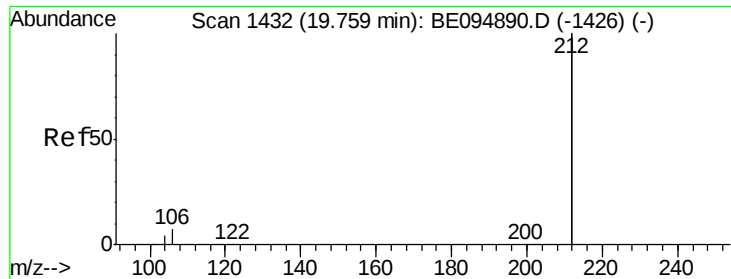


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

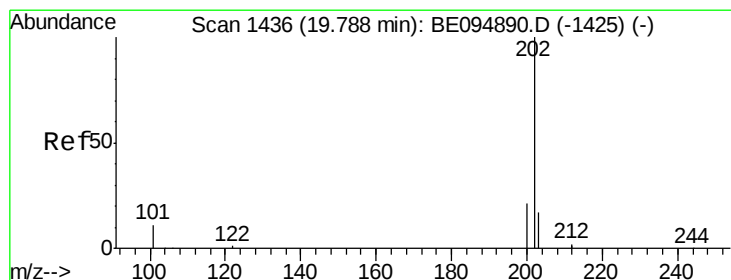
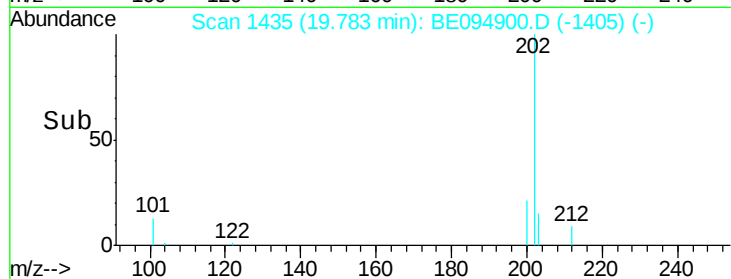
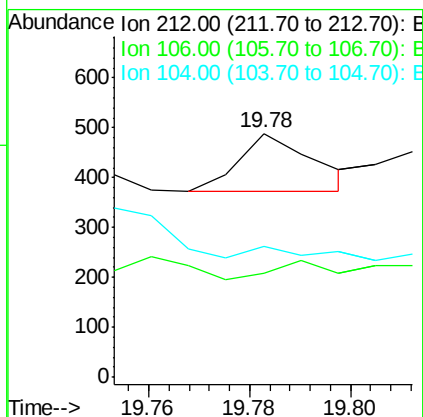
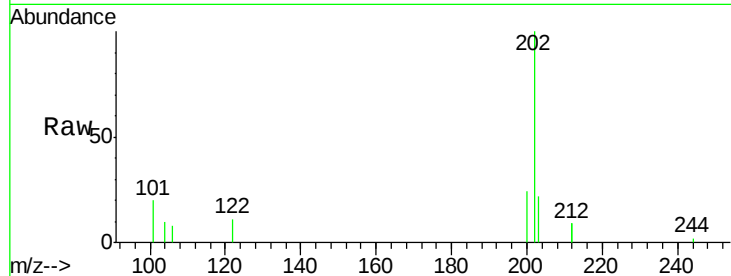




#25
 Fluoranthene-d10
 Concen: 0.000 ng
 RT: 19.78 min Scan# 1435
 Delta R.T. 0.02 min
 Lab File: BE094900.D
 Acq: 1 Dec 2017 11:57

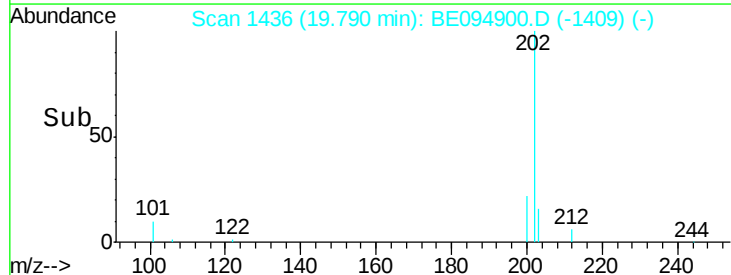
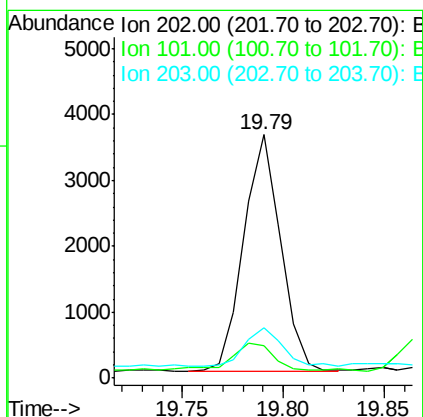
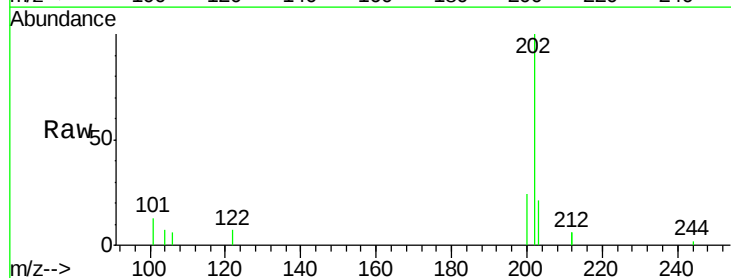
Instrument :
 BNA_E
 ClientSampled :
 PT-BNA-Soil

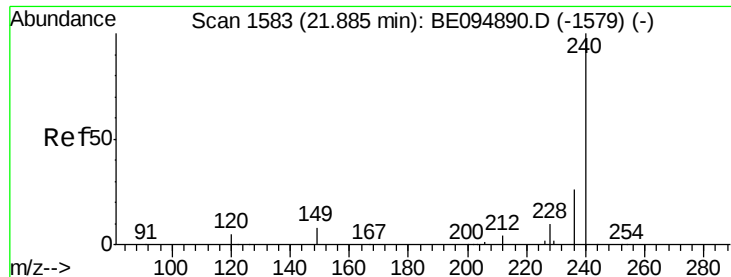
Tgt Ion: 212 Resp: 120
 Ion Ratio Lower Upper
 212 100
 106 23.3 2.8 4.2#
 104 20.8 1.6 2.4#



#26
 Fluoranthene
 Concen: 0.048 ng
 RT: 19.79 min Scan# 1436
 Delta R.T. 0.00 min
 Lab File: BE094900.D
 Acq: 1 Dec 2017 11:57

Tgt Ion: 202 Resp: 4599
 Ion Ratio Lower Upper
 202 100
 101 14.5 9.8 14.8
 203 16.7 13.7 20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.90 min Scan# 1584

Delta R.T. 0.02 min

Lab File: BE094900.D

Acq: 1 Dec 2017 11:57

Instrument :

BNA_E

ClientSampleId :

PT-BNA-Soil

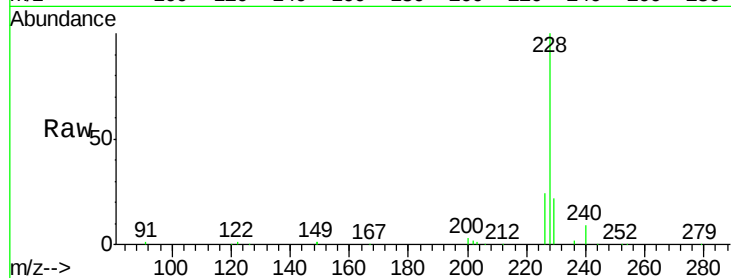
Tgt Ion:240 Resp: 23436

Ion Ratio Lower Upper

240 100

120 4.7 5.5 8.3#

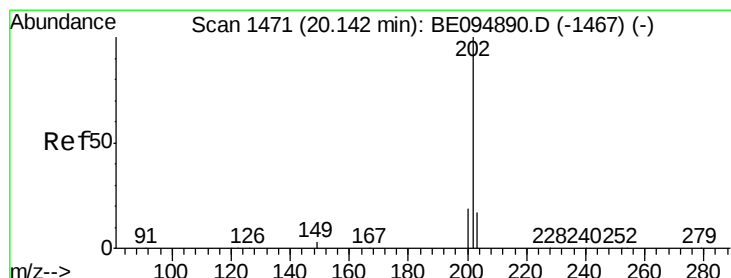
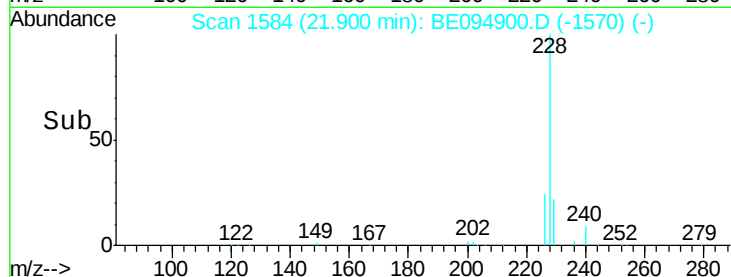
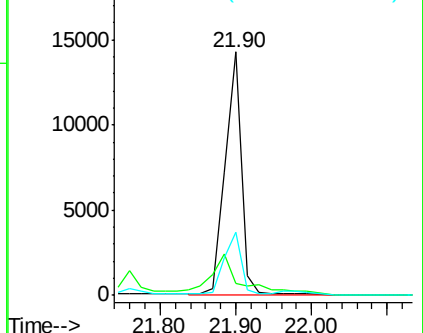
236 26.0 20.7 31.1



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: 0.051 ng

RT: 20.14 min Scan# 1471

Delta R.T. -0.00 min

Lab File: BE094900.D

Acq: 1 Dec 2017 11:57

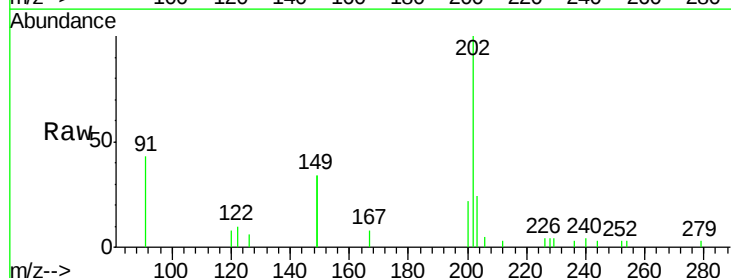
Tgt Ion:202 Resp: 4098

Ion Ratio Lower Upper

202 100

200 23.6 16.6 25.0

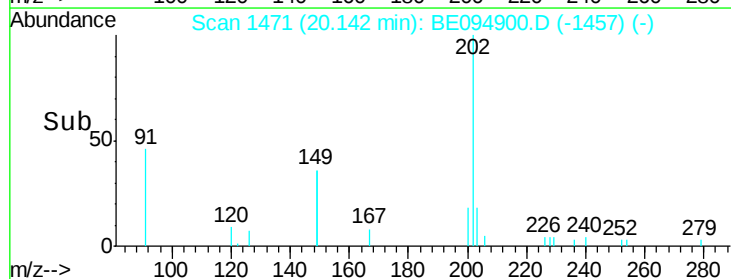
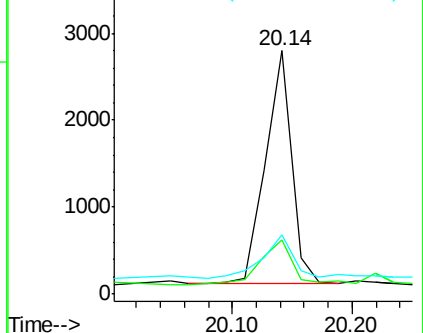
203 24.1 13.8 20.8#

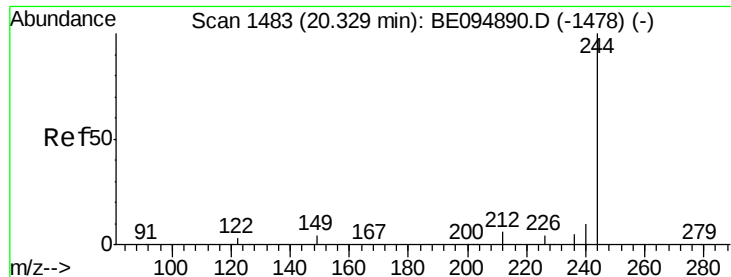


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 60.647 ng

RT: 20.33 min Scan# 1483

Delta R.T. -0.00 min

Lab File: BE094900.D

Acq: 1 Dec 2017 11:57

Instrument :

BNA_E

ClientSampleId :

PT-BNA-Soil

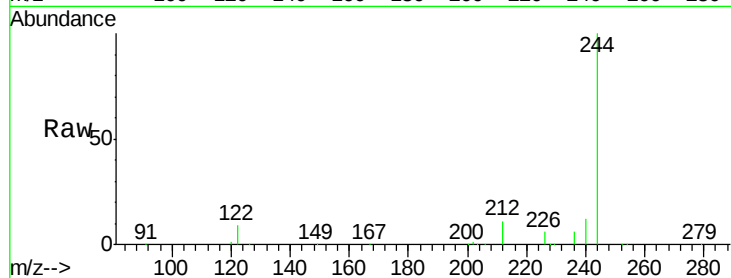
Tgt Ion:244 Resp: 2625001

Ion Ratio Lower Upper

244 100

212 11.4 25.4 38.0#

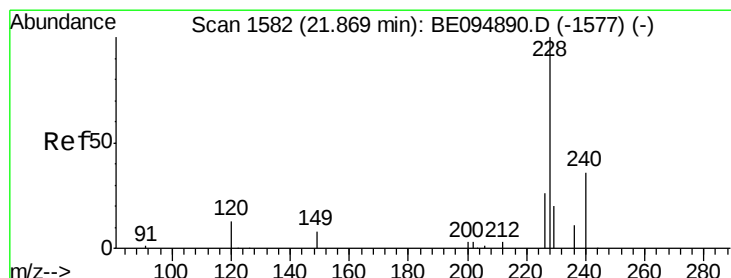
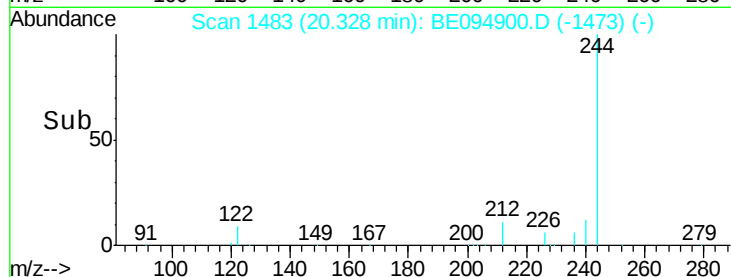
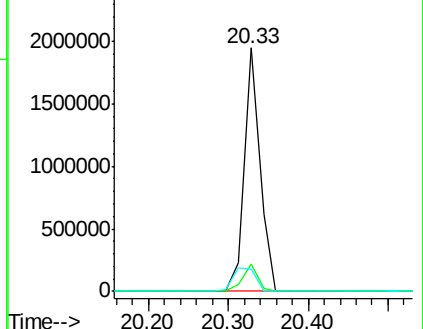
122 9.0 8.1 12.1



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: 86.510 ng

RT: 21.88 min Scan# 1583

Delta R.T. 0.02 min

Lab File: BE094900.D

Acq: 1 Dec 2017 11:57

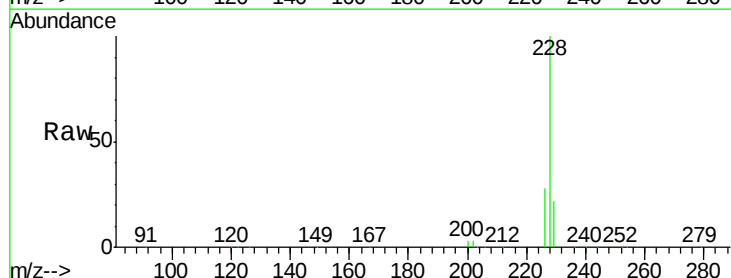
Tgt Ion:228 Resp: 6217053

Ion Ratio Lower Upper

228 100

226 28.4 40.0 60.0#

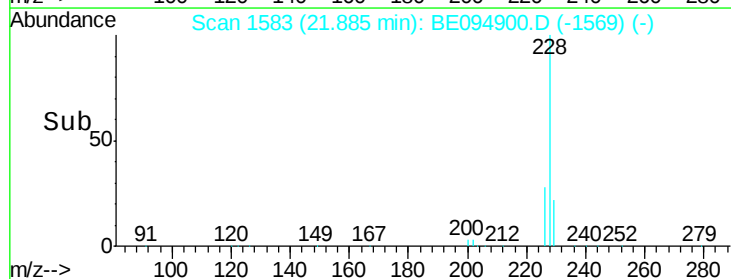
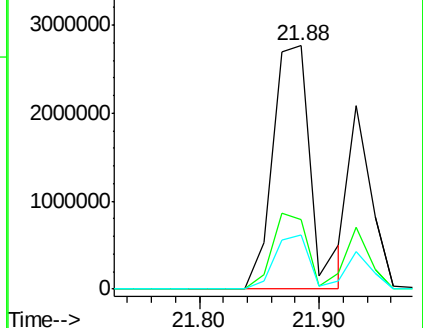
229 22.4 40.0 60.0#

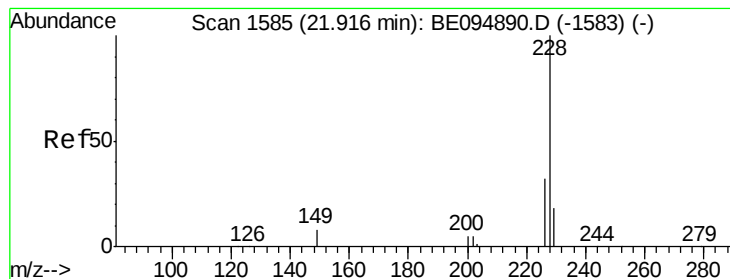


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 38.107 ng

RT: 21.93 min Scan# 1586

Delta R.T. 0.02 min

Lab File: BE094900.D

Acq: 1 Dec 2017 11:57

Instrument :

BNA_E

ClientSampleId :

PT-BNA-Soil

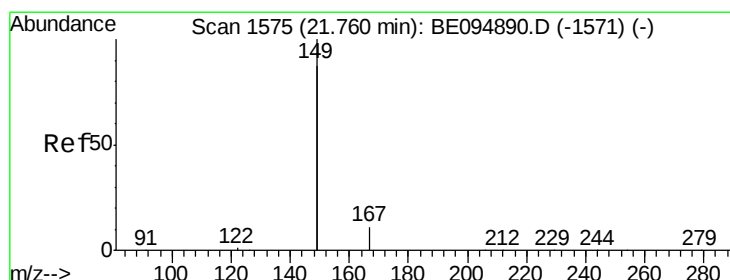
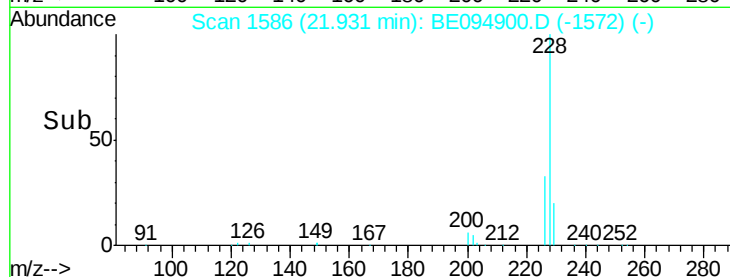
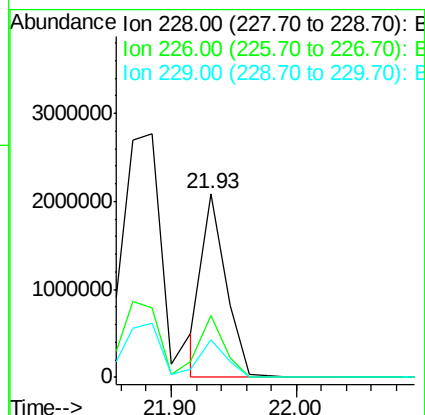
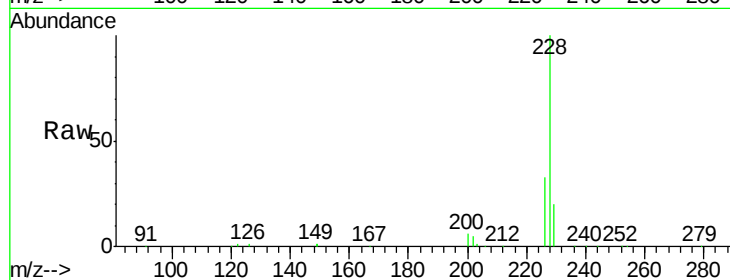
Tgt Ion:228 Resp: 3025914

Ion Ratio Lower Upper

228 100

226 33.4 40.0 60.0#

229 20.2 40.0 60.0#



#32

Bis(2-ethylhexyl)phthalate

Concen: 69.289 ng

RT: 21.76 min Scan# 1575

Delta R.T. -0.00 min

Lab File: BE094900.D

Acq: 1 Dec 2017 11:57

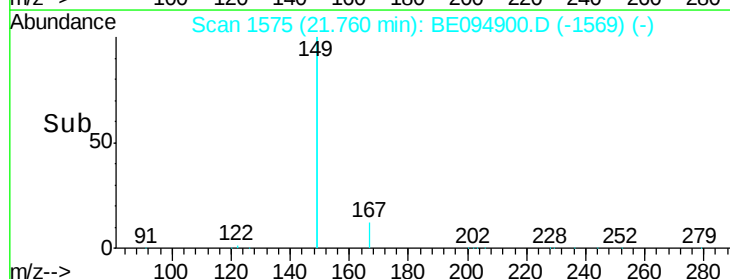
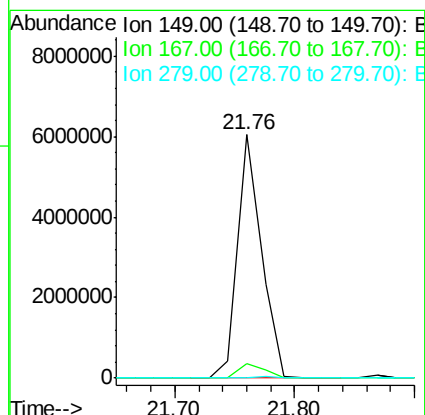
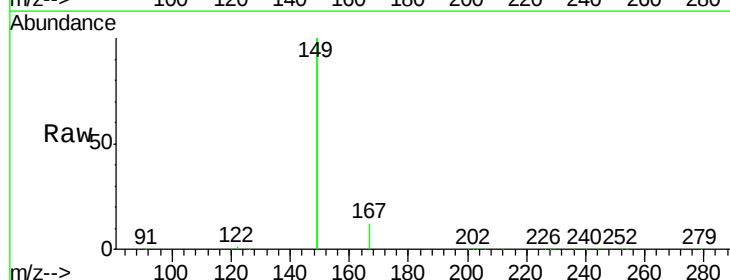
Tgt Ion:149 Resp: 8251887

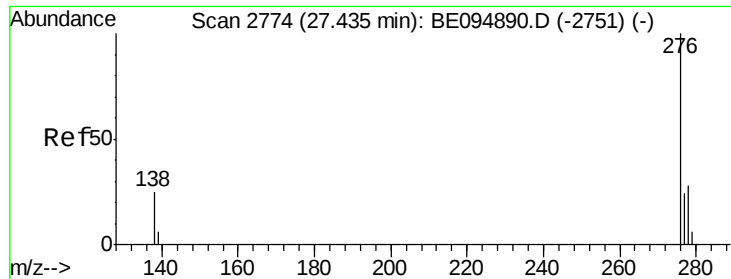
Ion Ratio Lower Upper

149 100

167 6.6 5.4 8.0

279 0.7 0.7 1.1





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.022 ng

RT: 27.44 min Scan# 2775

Delta R.T. 0.00 min

Lab File: BE094900.D

Acq: 1 Dec 2017 11:57

Instrument :

BNA_E

ClientSampleId :

PT-BNA-Soil

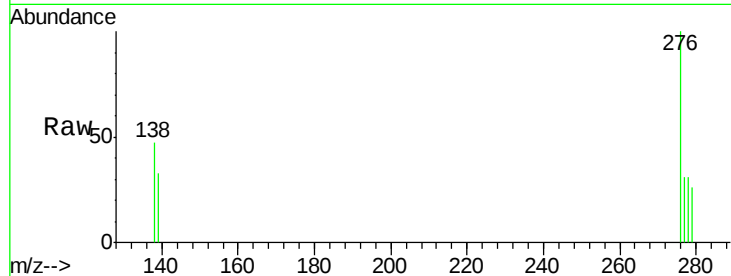
Tgt Ion:276 Resp: 1437

Ion Ratio Lower Upper

276 100

138 25.4 22.5 33.7

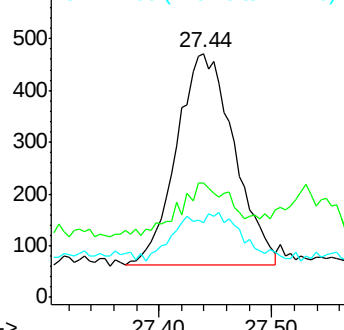
277 11.4 19.9 29.9#



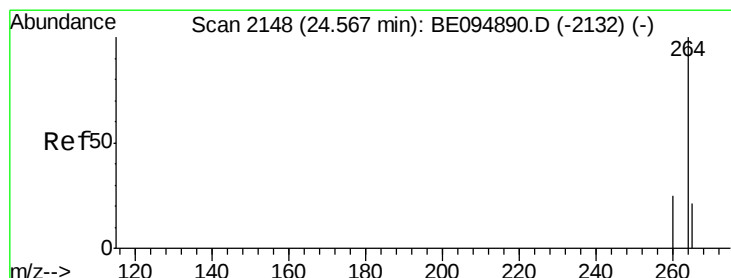
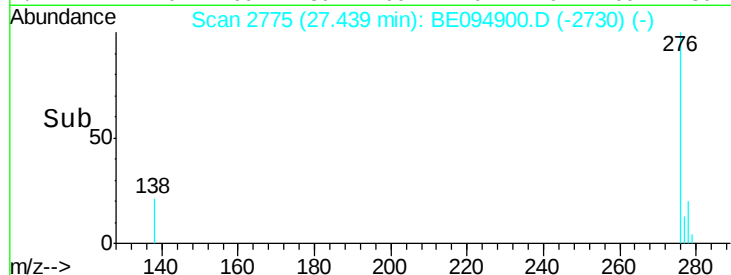
Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.57 min Scan# 2149

Delta R.T. 0.00 min

Lab File: BE094900.D

Acq: 1 Dec 2017 11:57

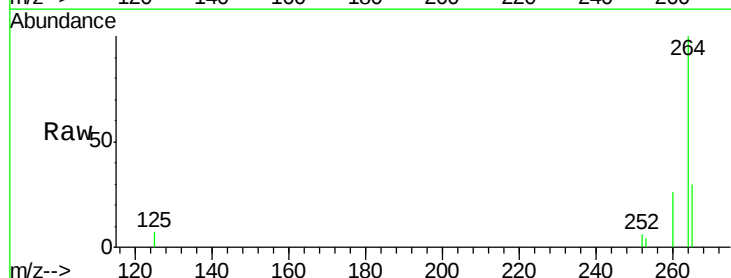
Tgt Ion:264 Resp: 19634

Ion Ratio Lower Upper

264 100

260 25.5 20.5 30.7

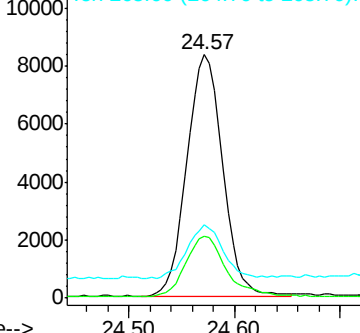
265 30.0 22.8 34.2



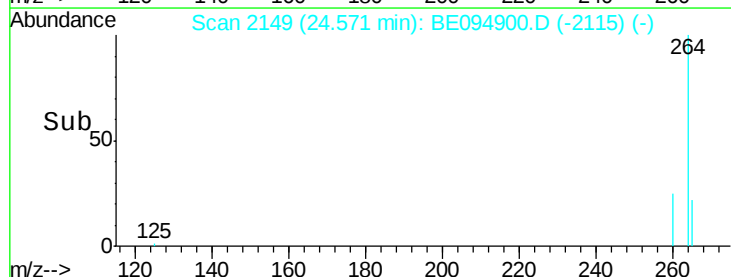
Abundance Ion 264.00 (263.70 to 264.70): E

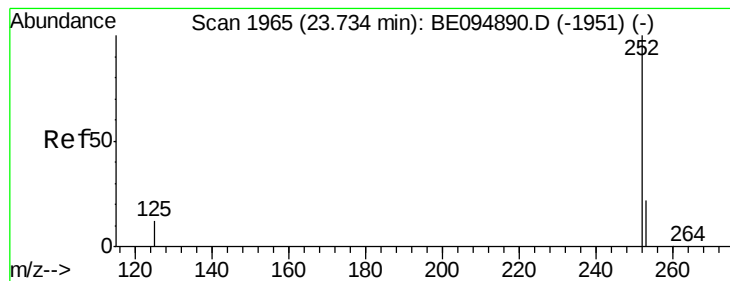
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



Time-->





#35

Benzo(b)fluoranthene

Concen: 42.268 ng

RT: 23.75 min Scan# 1969

Delta R.T. 0.02 min

Lab File: BE094900.D

Acq: 1 Dec 2017 11:57

Instrument :

BNA_E

ClientSampleId :

PT-BNA-Soil

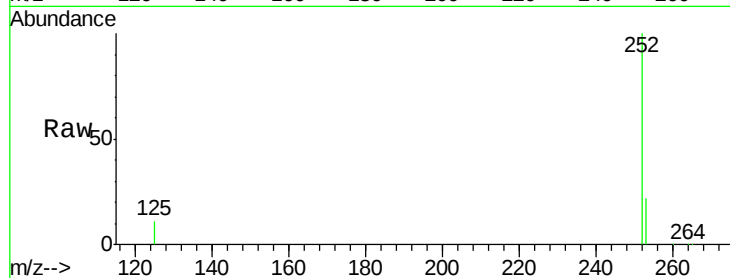
Tgt Ion:252 Resp: 3029845

Ion Ratio Lower Upper

252 100

253 22.4 48.0 72.0#

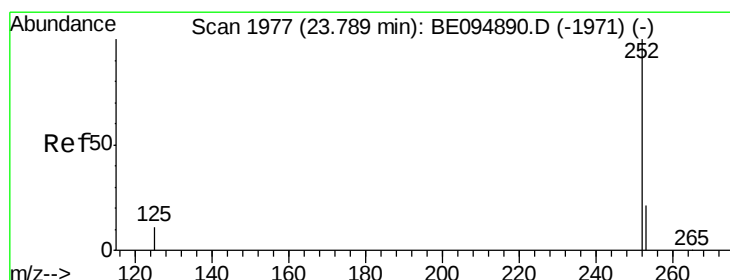
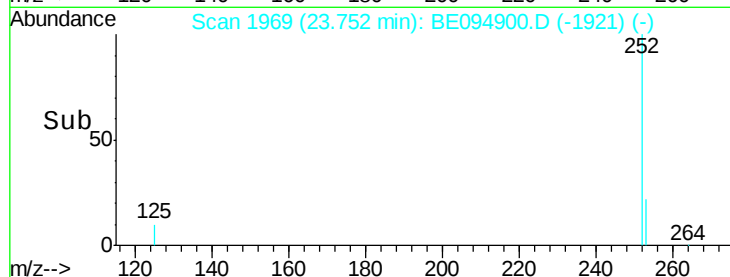
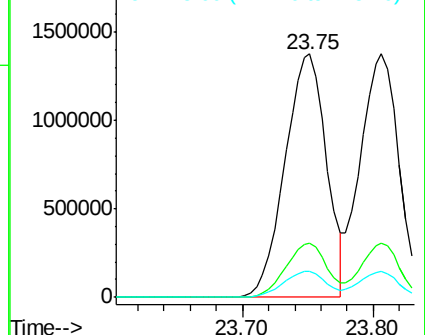
125 10.5 56.0 84.0#



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: 38.988 ng

RT: 23.81 min Scan# 1981

Delta R.T. 0.02 min

Lab File: BE094900.D

Acq: 1 Dec 2017 11:57

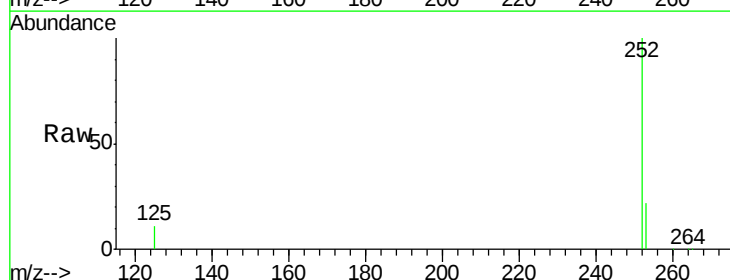
Tgt Ion:252 Resp: 2848780

Ion Ratio Lower Upper

252 100

253 22.4 48.0 72.0#

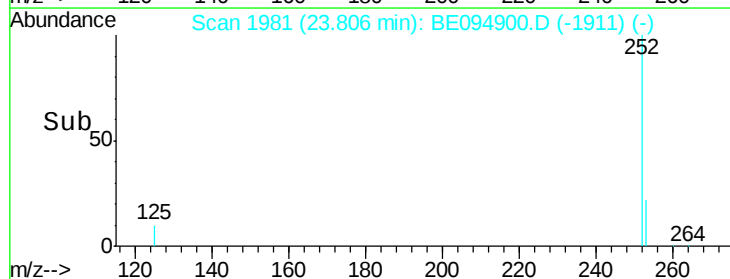
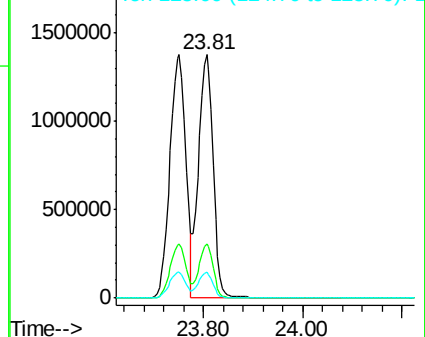
125 10.5 56.0 84.0#

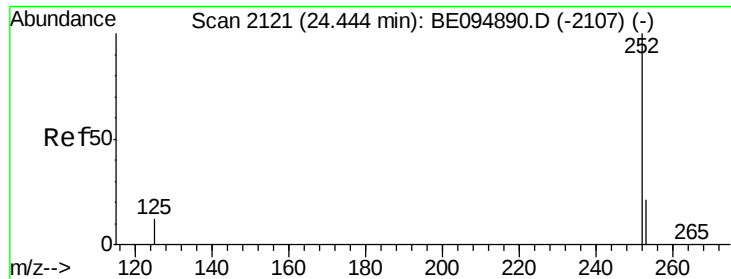


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.029 ng

RT: 24.45 min Scan# 2122

Delta R.T. 0.00 min

Lab File: BE094900.D

Acq: 1 Dec 2017 11:57

Instrument :

BNA_E

ClientSampleId :

PT-BNA-Soil

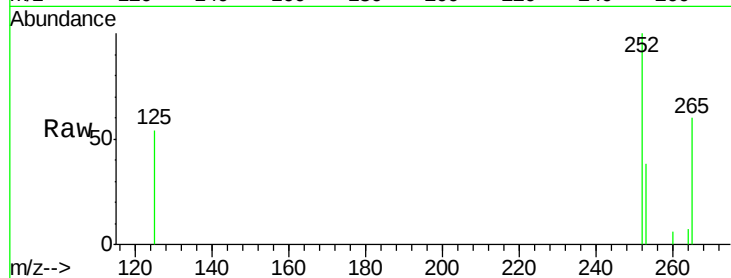
Tgt Ion:252 Resp: 1809

Ion Ratio Lower Upper

252 100

253 37.9 52.0 78.0#

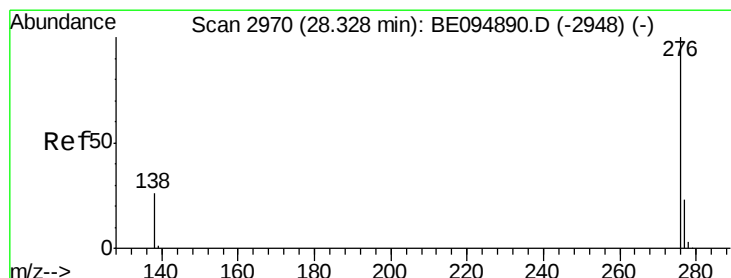
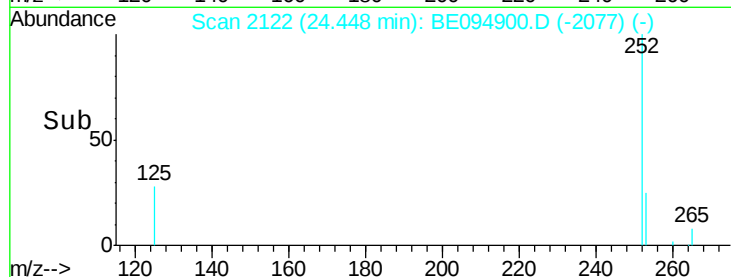
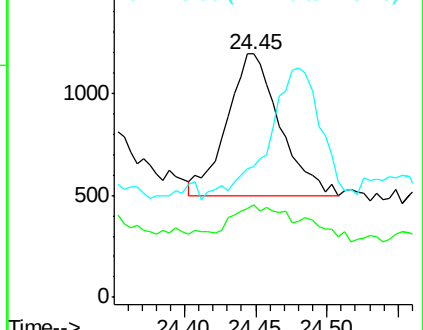
125 53.7 68.0 102.0#



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



#39

Benzo(g,h,i)perylene

Concen: 0.027 ng

RT: 28.33 min Scan# 2970

Delta R.T. -0.00 min

Lab File: BE094900.D

Acq: 1 Dec 2017 11:57

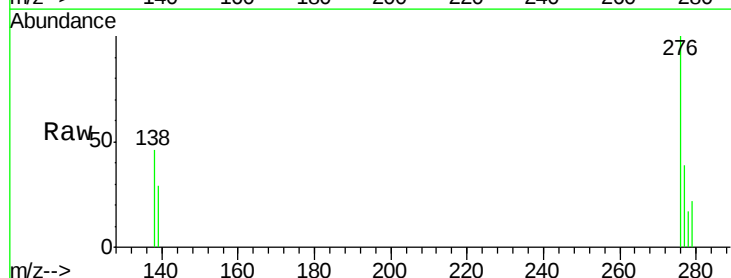
Tgt Ion:276 Resp: 1544

Ion Ratio Lower Upper

276 100

277 39.3 52.0 78.0#

138 45.9 44.0 66.0



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

