

Data Path : Z:\HPCHEM1\BNA E\DATA\BE120817\
 Data File : BE094957.D
 Acq On : 8 Dec 2017 20:08
 Operator : SJ/JU
 Sample : I6740-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FT-PZ-4551-20171202

Quant Time: Dec 09 00:28:15 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

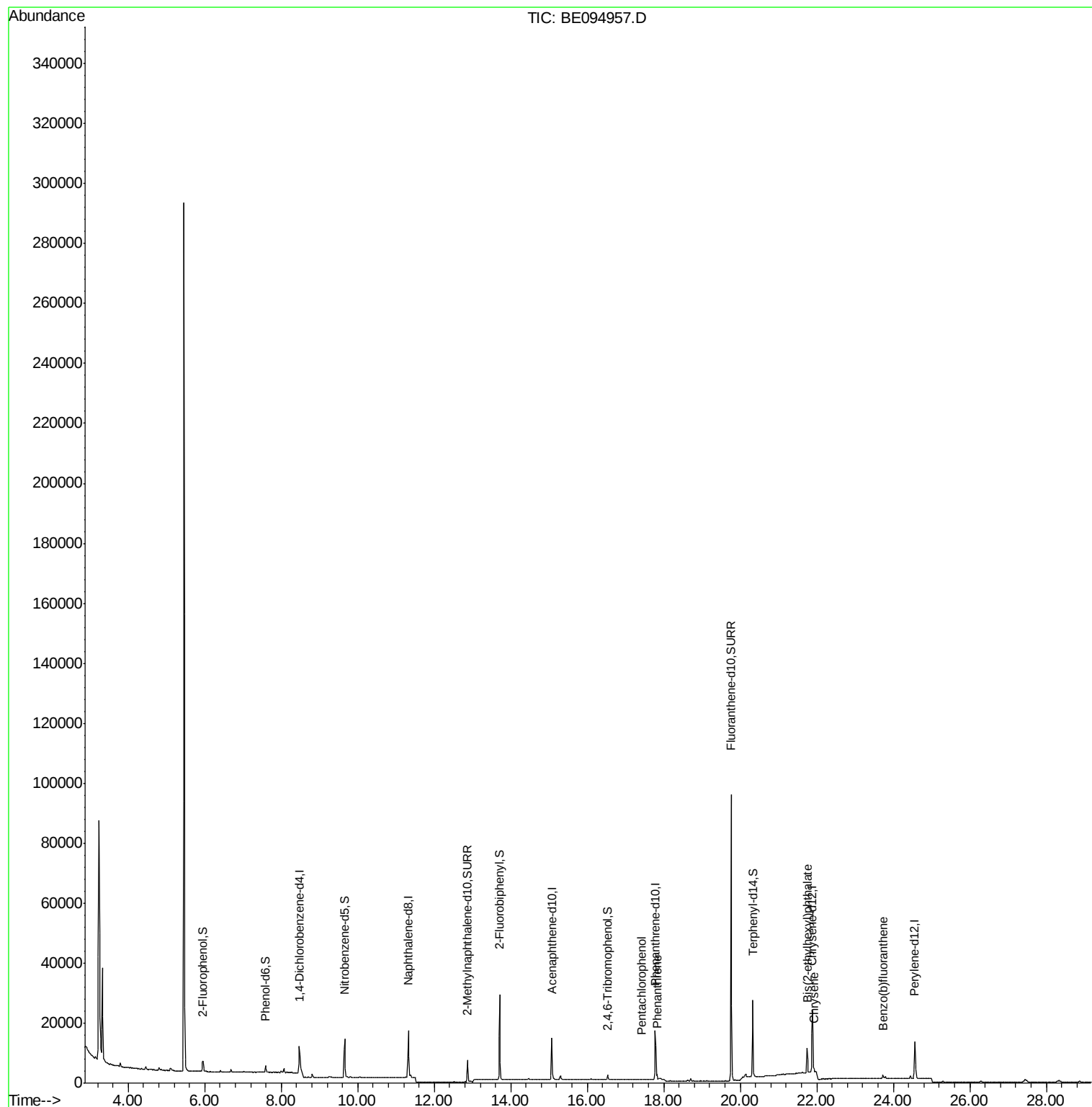
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.47	152	7419	0.40	ng	-0.01
7) Naphthalene-d8	11.33	136	17155	0.40	ng	0.00
13) Acenaphthene-d10	15.08	164	9689	0.40	ng	0.00
19) Phenanthrene-d10	17.77	188	23946	0.40	ng	0.00
27) Chrysene-d12	21.88	240	24958	0.40	ng	0.00
34) Perylene-d12	24.56	264	19880	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.96	112	1965	0.17	ng	0.00
5) Phenol-d6	7.59	99	1929	0.11	ng	0.00
8) Nitrobenzene-d5	9.66	82	5477	0.54	ng	0.00
11) 2-Methylnaphthalene-d10	12.86	152	9861	0.36	ng	0.00
14) 2,4,6-Tribromophenol	16.53	330	924	0.46	ng	0.00
15) 2-Fluorobiphenyl	13.71	172	25499	0.61	ng	0.00
25) Fluoranthene-d10	19.76	212	115814	0.35	ng	0.00
29) Terphenyl-d14	20.33	244	28657	0.62	ng	0.00
Target Compounds						
22) Pentachlorophenol	17.41	266	52	0.145	ng	Qvalue 91
23) Phenanthrene	17.82	178	1916	0.025	ng	# 89
31) Chrysene	21.92	228	2063	0.024	ng	# 70
32) Bis(2-ethylhexyl)phthalate	21.74	149	11566	0.091	ng	99
35) Benzo(b)fluoranthene	23.73	252	1668	0.023	ng	# 69

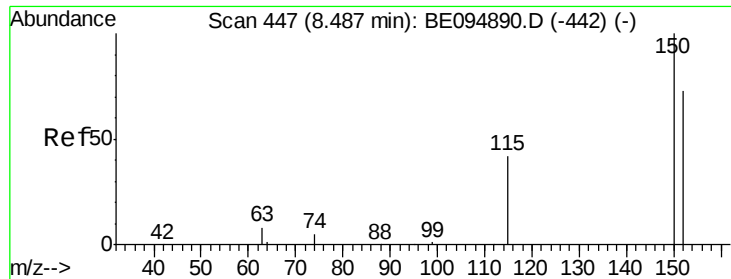
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.47 min Scan# 446

Delta R.T. -0.01 min

Lab File: BE094957.D

Acq: 8 Dec 2017 20:08

Instrument :

BNA_E

ClientSampleId :

FT-PZ-4551-20171202

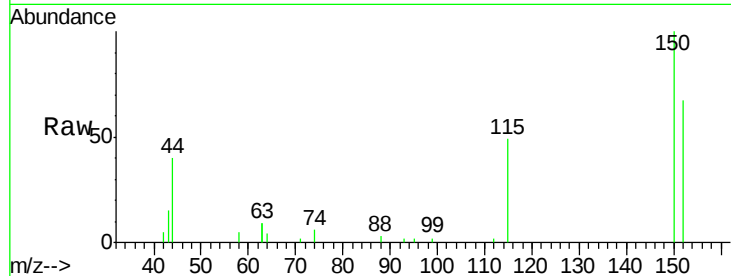
Tot Ion:152 Resp: 7419

Ion Ratio Lower Upper

152 100

150 149.5 117.2 175.8

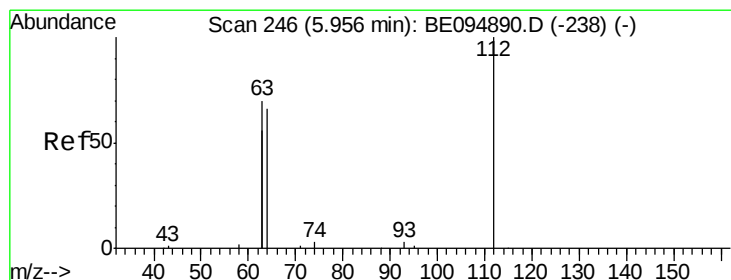
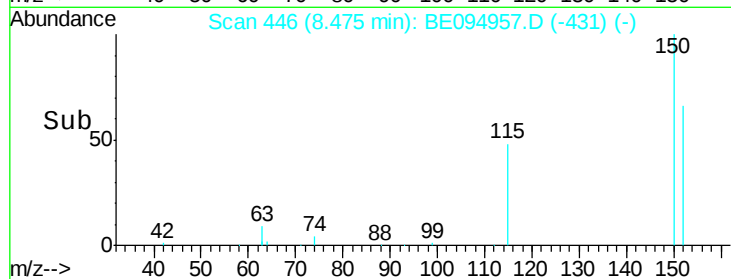
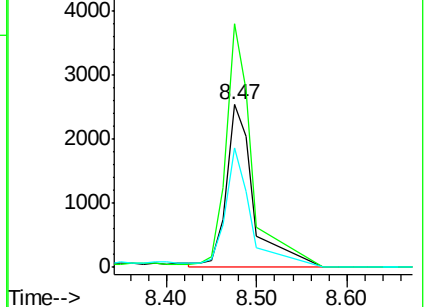
115 73.4 57.0 85.6



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: 0.167 ng

RT: 5.96 min Scan# 246

Delta R.T. 0.00 min

Lab File: BE094957.D

Acq: 8 Dec 2017 20:08

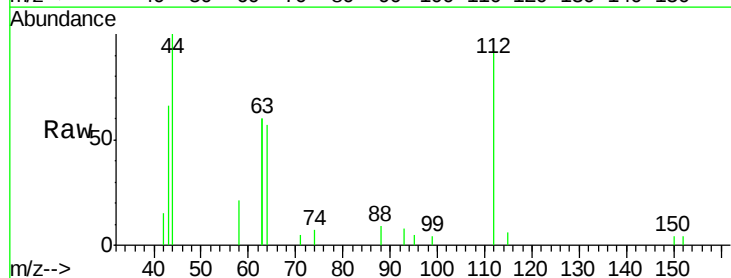
Tgt Ion:112 Resp: 1965

Ion Ratio Lower Upper

112 100

64 75.5 60.1 90.1

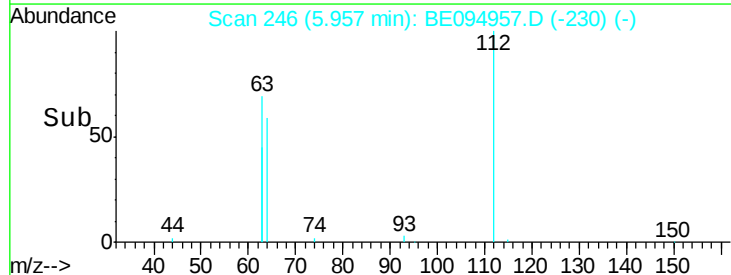
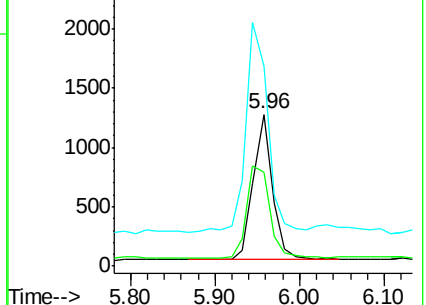
63 160.2 116.8 175.2

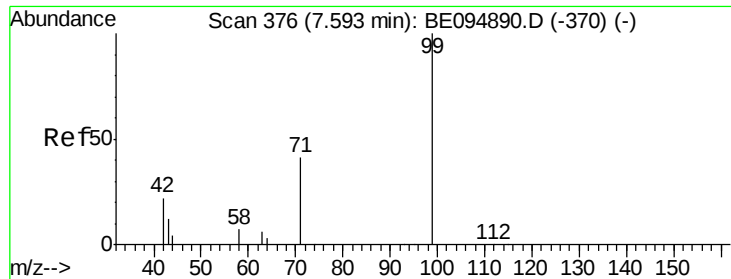


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.111 ng

RT: 7.59 min Scan# 376

Delta R.T. 0.00 min

Lab File: BE094957.D

Acq: 8 Dec 2017 20:08

Instrument :

BNA_E

ClientSampleId :

FT-PZ-455I-20171202

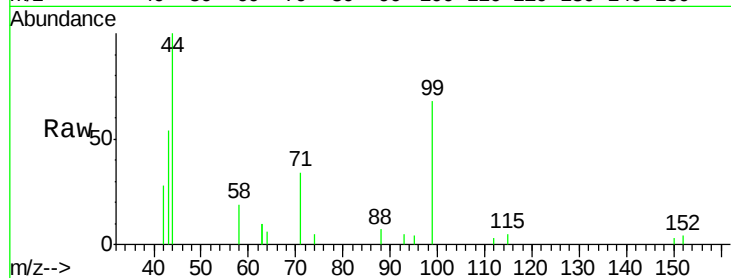
Tot Ion: 99 Resp: 1929

Ion Ratio Lower Upper

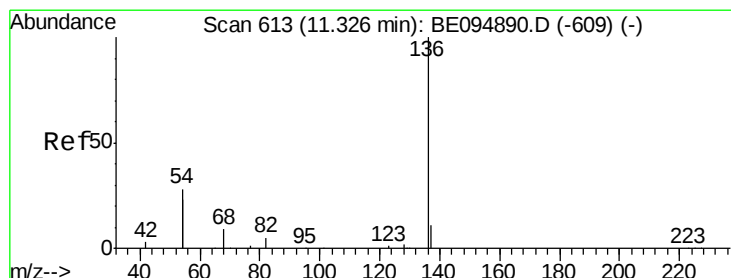
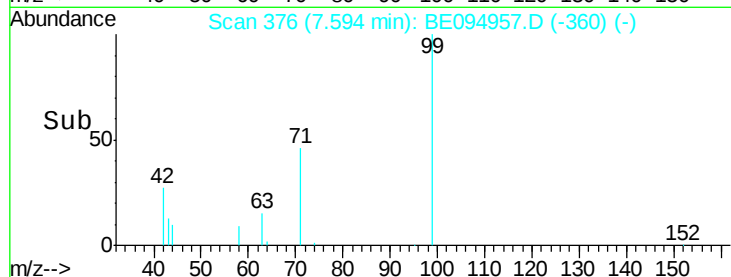
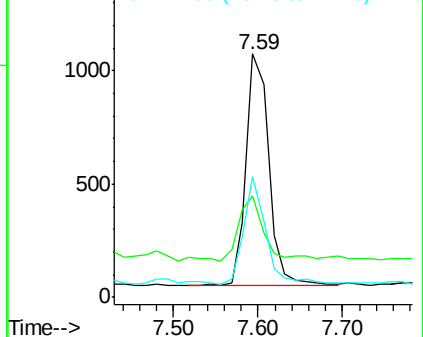
99 100

42 33.9 20.2 30.2#

71 44.0 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



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.33 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE094957.D

Acq: 8 Dec 2017 20:08

Tgt Ion:136 Resp: 17155

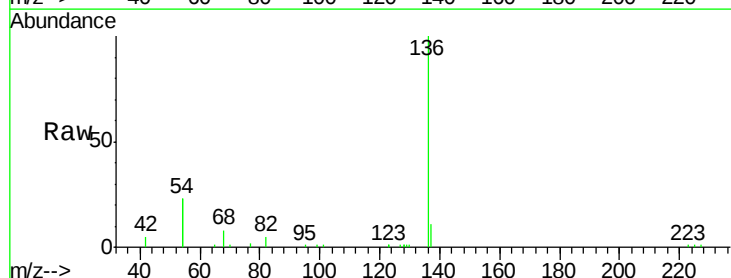
Ion Ratio Lower Upper

136 100

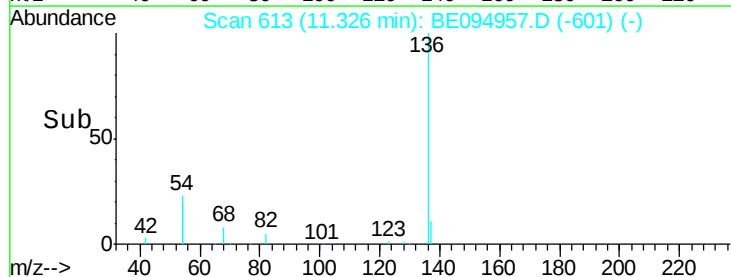
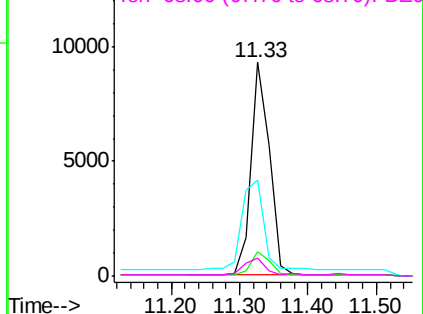
137 11.3 9.5 14.3

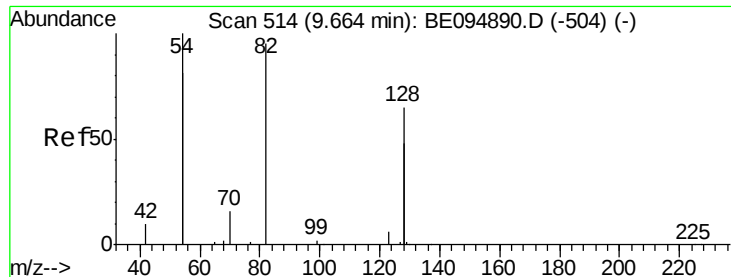
54 45.1 29.1 43.7#

68 8.4 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: 0.539 ng

RT: 9.66 min Scan# 514

Delta R.T. 0.00 min

Lab File: BE094957.D

Acq: 8 Dec 2017 20:08

Instrument :

BNA_E

ClientSampleId :

FT-PZ-4551-20171202

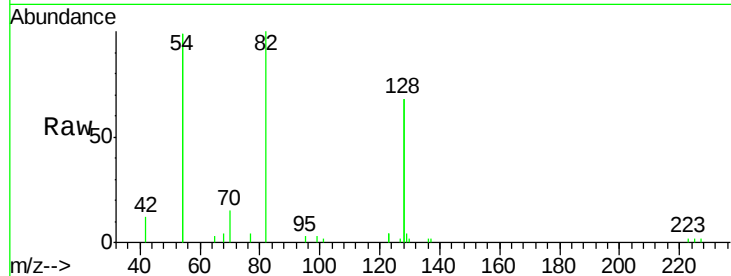
Tot Ion: 82 Resp: 5477

Ion Ratio Lower Upper

82 100

128 136.3 150.0 225.0#

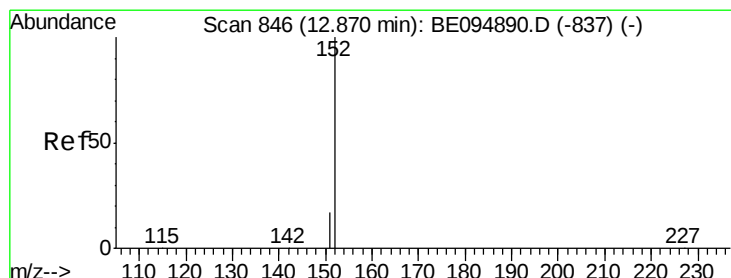
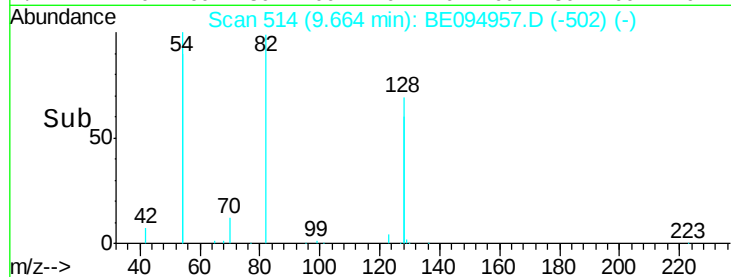
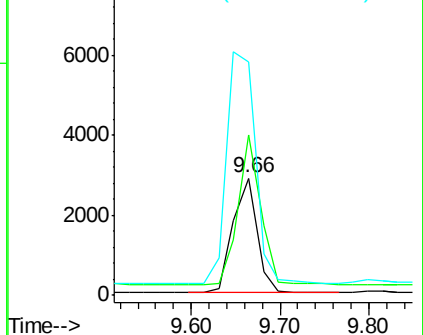
54 198.4 154.2 231.4



Abundance Ion 82.00 (81.70 to 82.70): BE094890.D (-504) (-)

Ion 128.00 (127.70 to 128.70): BE094890.D (-504) (-)

Ion 54.00 (53.70 to 54.70): BE094890.D (-504) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.360 ng

RT: 12.86 min Scan# 845

Delta R.T. -0.01 min

Lab File: BE094957.D

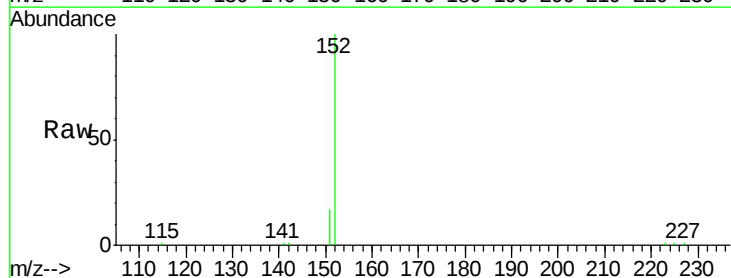
Acq: 8 Dec 2017 20:08

Tgt Ion: 152 Resp: 9861

Ion Ratio Lower Upper

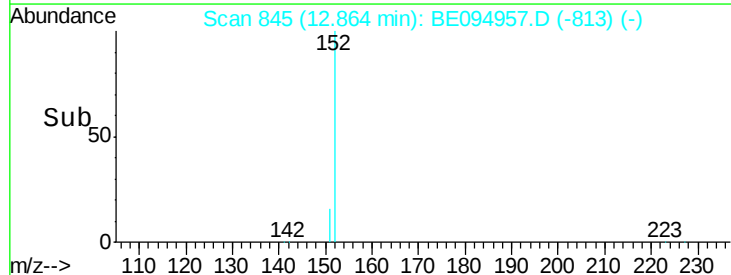
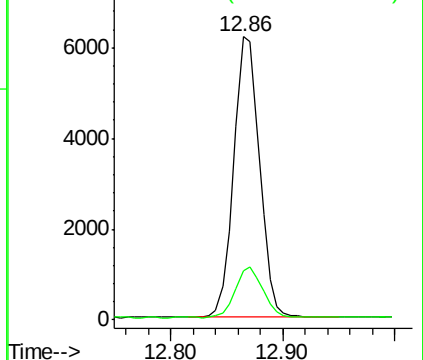
152 100

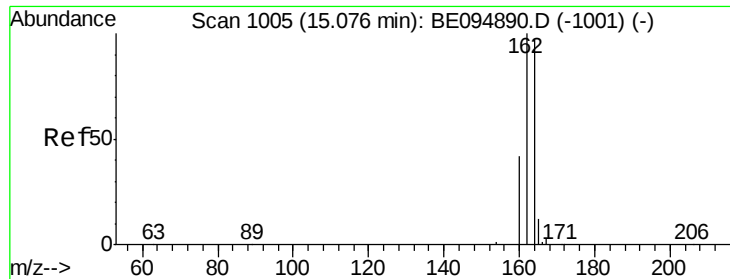
151 19.1 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): BE094890.D (-837) (-)

Ion 151.00 (150.70 to 151.70): BE094890.D (-837) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.08 min Scan# 1005

Delta R.T. 0.00 min

Lab File: BE094957.D

Acq: 8 Dec 2017 20:08

Instrument :

BNA_E

ClientSampleId :

FT-PZ-4551-20171202

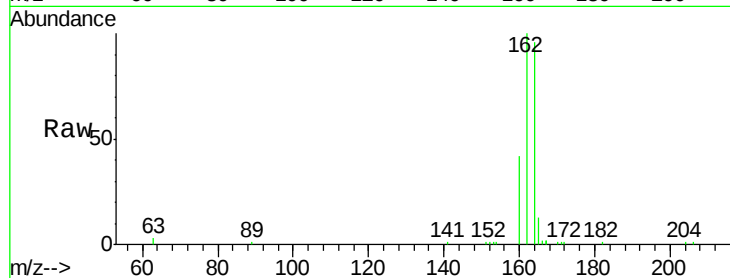
Tot Ion:164 Resp: 9689

Ion Ratio Lower Upper

164 100

162 104.7 83.1 124.7

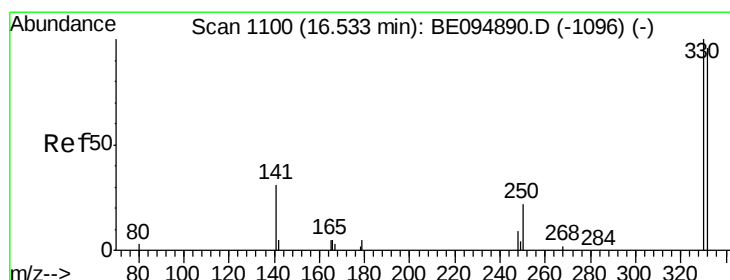
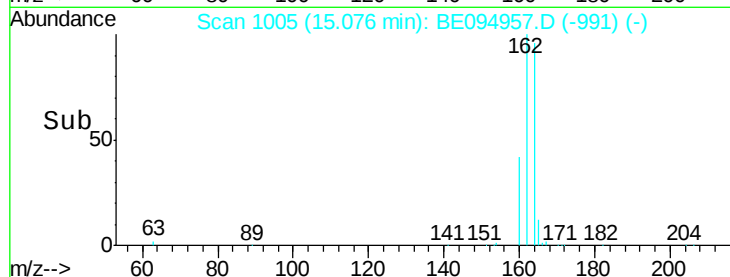
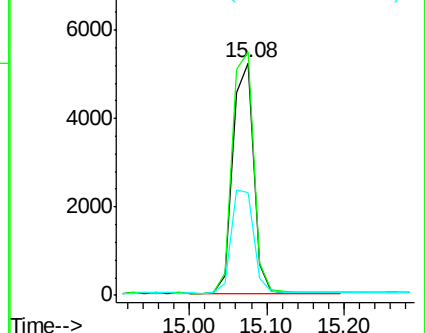
160 44.4 37.1 55.7



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: 0.457 ng

RT: 16.53 min Scan# 1100

Delta R.T. 0.00 min

Lab File: BE094957.D

Acq: 8 Dec 2017 20:08

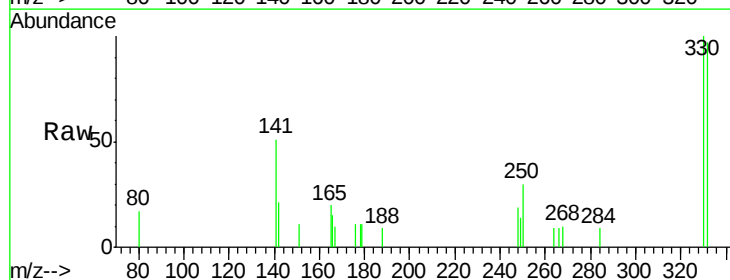
Tgt Ion:330 Resp: 924

Ion Ratio Lower Upper

330 100

332 99.1 152.7 229.1#

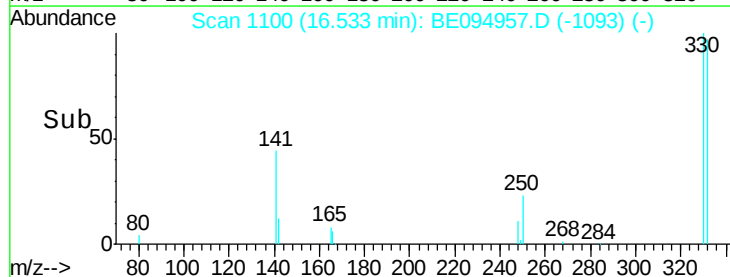
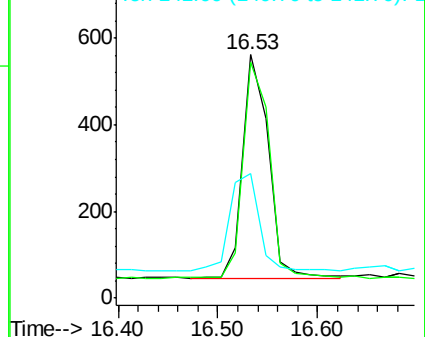
141 49.4 33.7 50.5

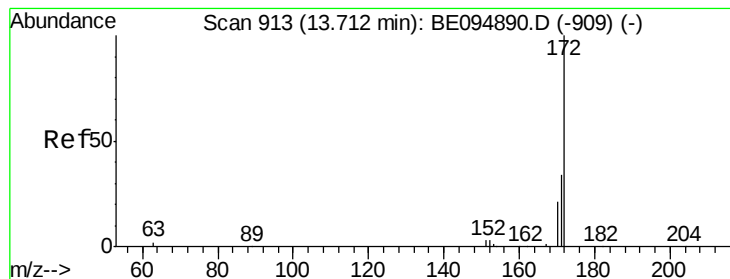


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.615 ng

RT: 13.71 min Scan# 913

Delta R.T. 0.00 min

Lab File: BE094957.D

Acq: 8 Dec 2017 20:08

Instrument :

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ClientSampleId :

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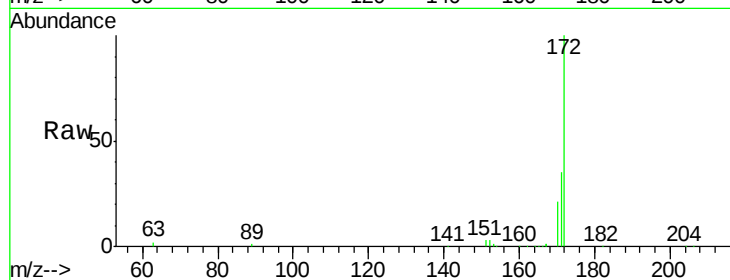
Tot Ion:172 Resp: 25499

Ion Ratio Lower Upper

172 100

171 34.8 29.9 44.9

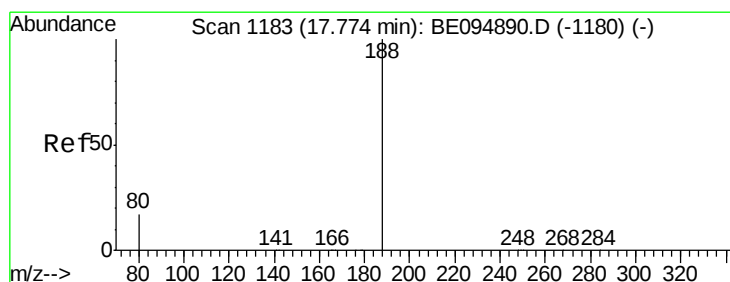
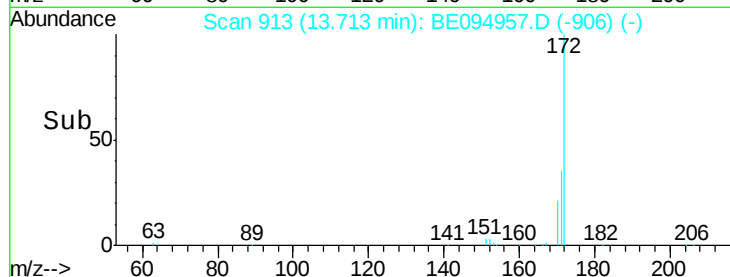
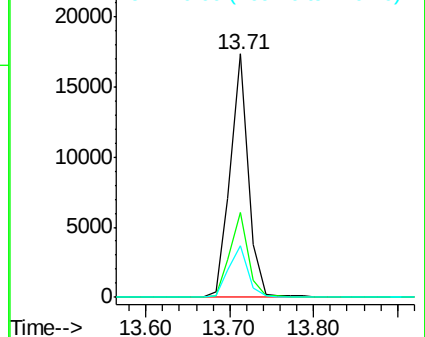
170 20.9 21.8 32.8#



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



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.77 min Scan# 1183

Delta R.T. 0.00 min

Lab File: BE094957.D

Acq: 8 Dec 2017 20:08

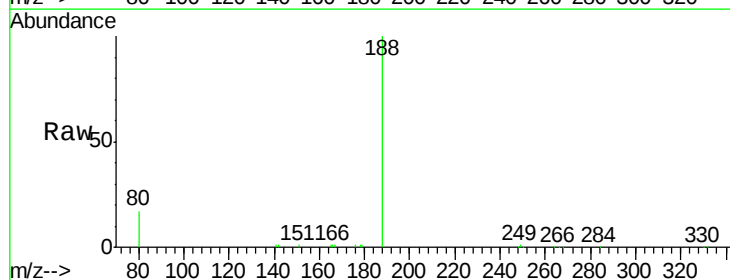
Tgt Ion:188 Resp: 23946

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

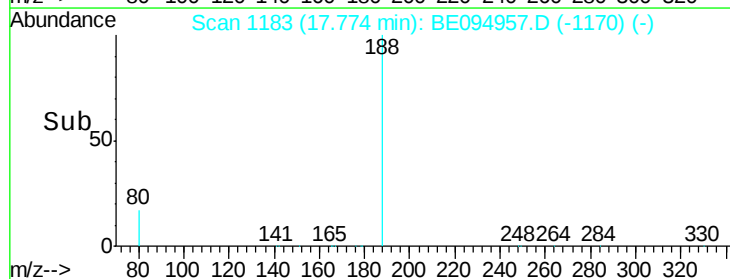
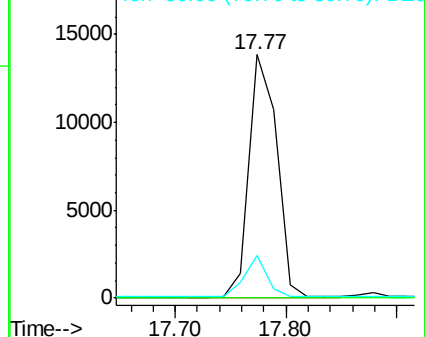
80 17.4 3.6 5.4#

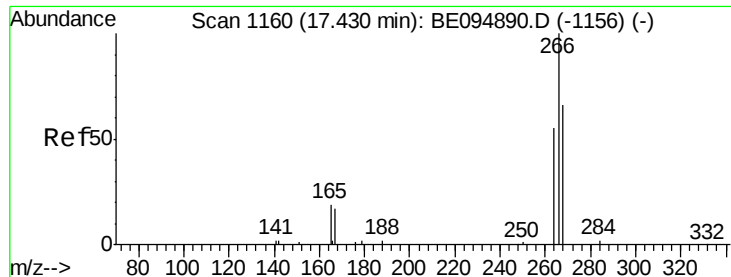


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#22

Pentachlorophenol

Concen: 0.145 ng

RT: 17.41 min Scan# 1159

Delta R.T. -0.01 min

Lab File: BE094957.D

Acq: 8 Dec 2017 20:08

Instrument :

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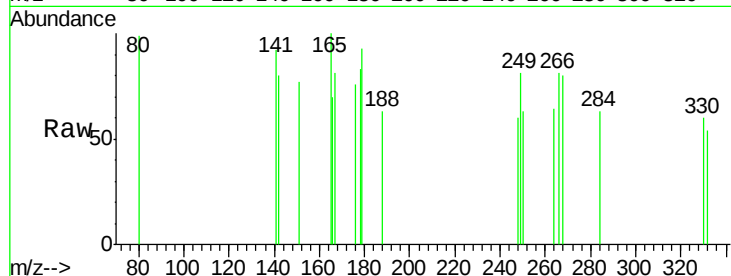
Tot Ion:266 Resp: 52

Ion Ratio Lower Upper

266 100

264 79.4 72.5 108.7

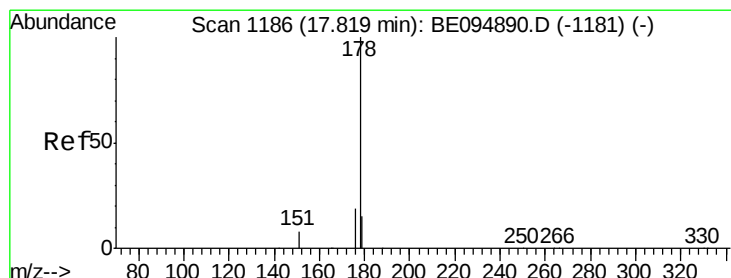
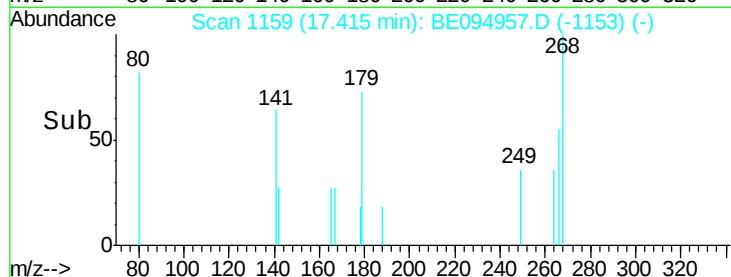
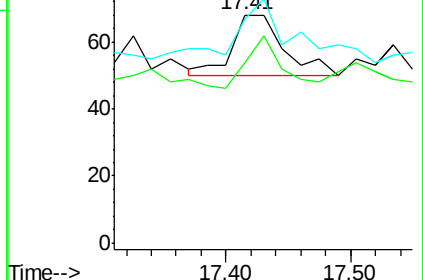
268 98.5 73.8 110.6



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: 0.025 ng

RT: 17.82 min Scan# 1186

Delta R.T. 0.00 min

Lab File: BE094957.D

Acq: 8 Dec 2017 20:08

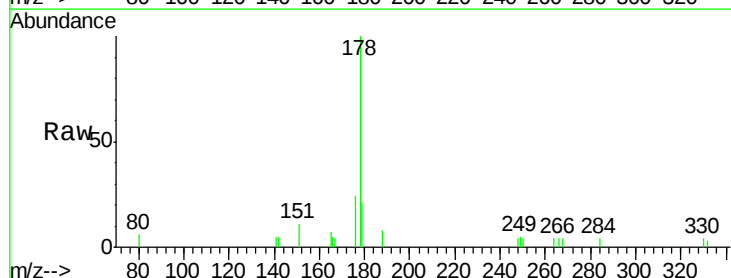
Tgt Ion:178 Resp: 1916

Ion Ratio Lower Upper

178 100

176 24.6 15.1 22.7#

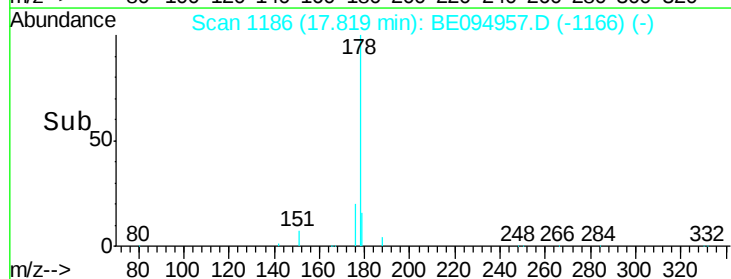
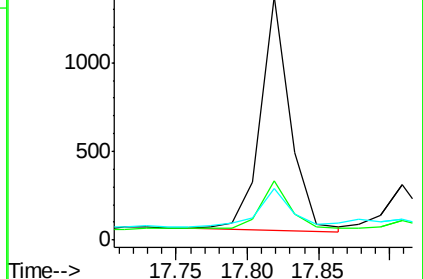
179 18.4 11.8 17.6#

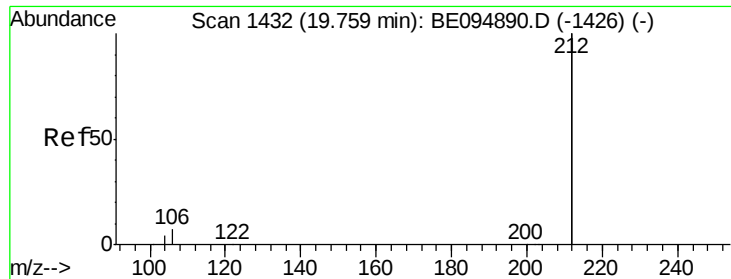


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.354 ng

RT: 19.76 min Scan# 1432

Delta R.T. 0.00 min

Lab File: BE094957.D

Acq: 8 Dec 2017 20:08

Instrument :

BNA_E

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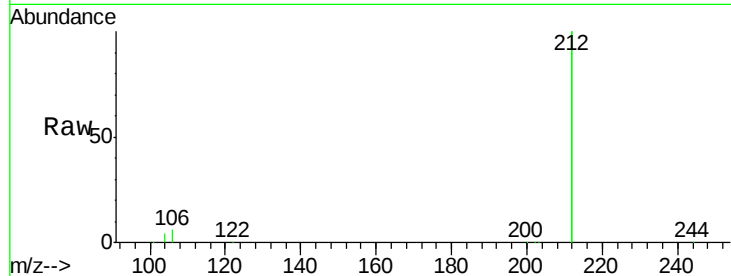
Tot Ion:212 Resp: 115814

Ion Ratio Lower Upper

212 100

106 3.4 2.8 4.2

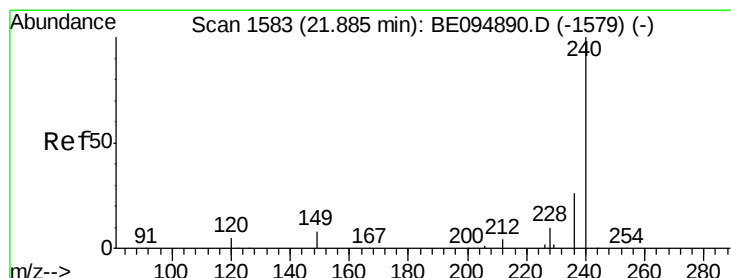
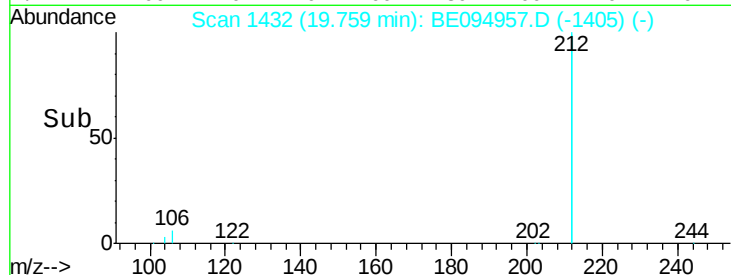
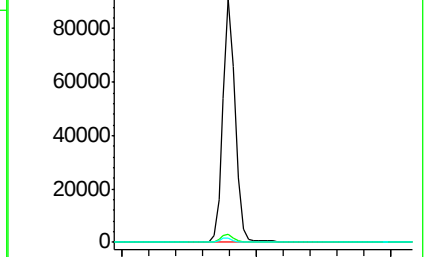
104 2.0 1.6 2.4



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



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.88 min Scan# 1583

Delta R.T. -0.00 min

Lab File: BE094957.D

Acq: 8 Dec 2017 20:08

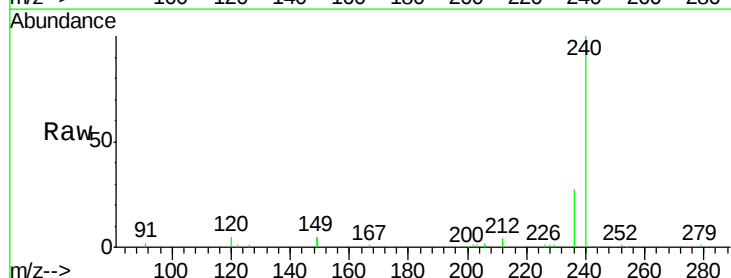
Tgt Ion:240 Resp: 24958

Ion Ratio Lower Upper

240 100

120 4.7 5.5 8.3#

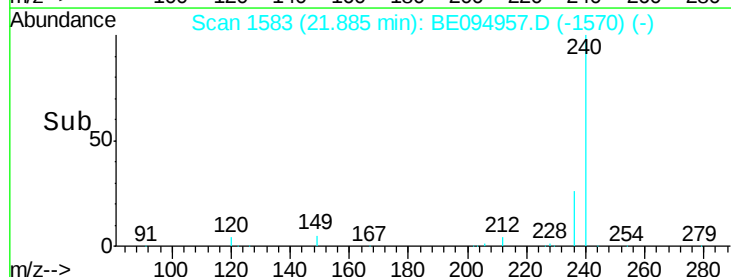
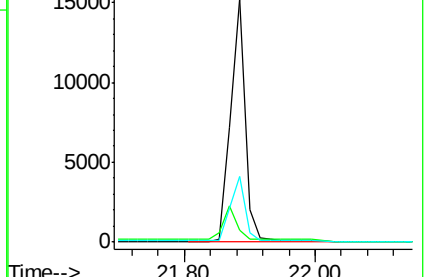
236 26.9 20.7 31.1

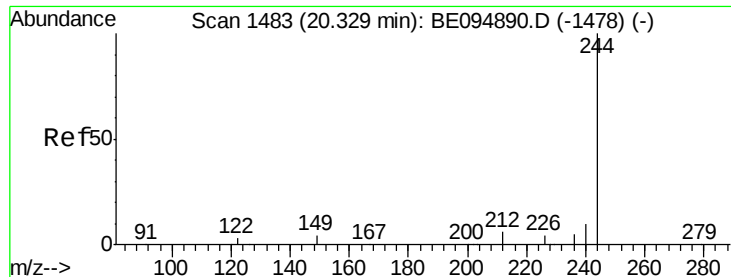


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.622 ng

RT: 20.33 min Scan# 1483

Delta R.T. -0.00 min

Lab File: BE094957.D

Acq: 8 Dec 2017 20:08

Instrument :

BNA_E

ClientSampleId :

FT-PZ-455I-20171202

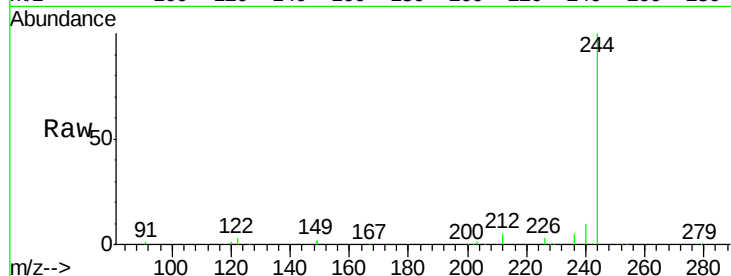
Tot Ion:244 Resp: 28657

Ion Ratio Lower Upper

244 100

212 5.5 25.4 38.0#

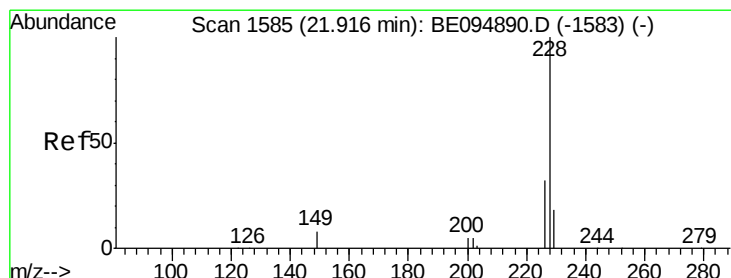
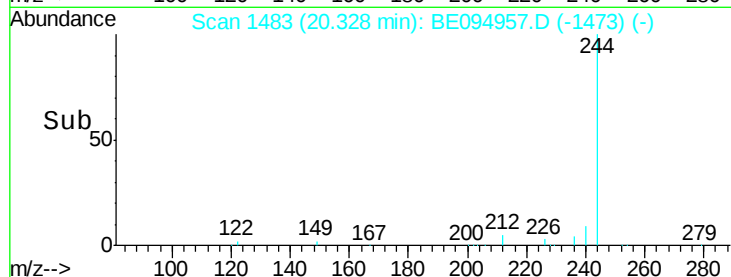
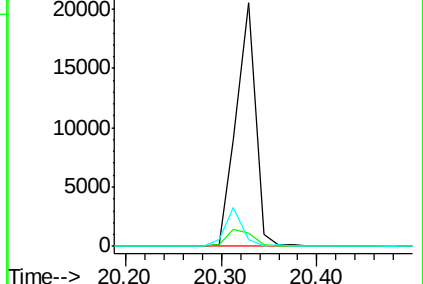
122 2.6 8.1 12.1#



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



#31

Chrysene

Concen: 0.024 ng

RT: 21.92 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BE094957.D

Acq: 8 Dec 2017 20:08

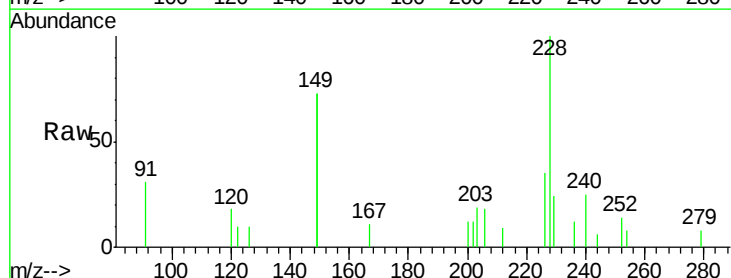
Tgt Ion:228 Resp: 2063

Ion Ratio Lower Upper

228 100

226 34.7 40.0 60.0#

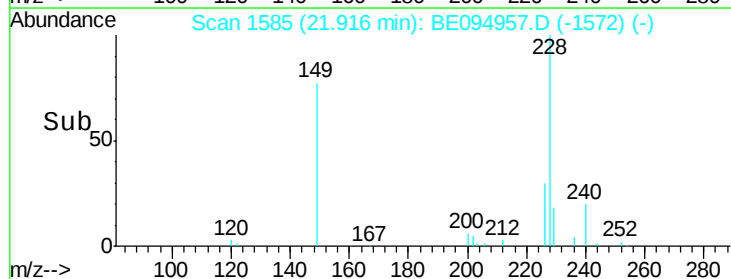
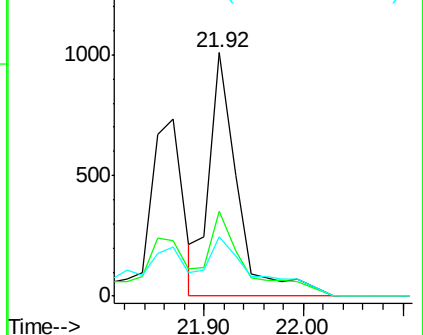
229 24.2 40.0 60.0#

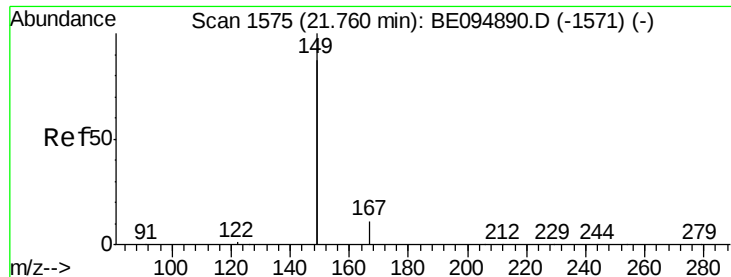


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

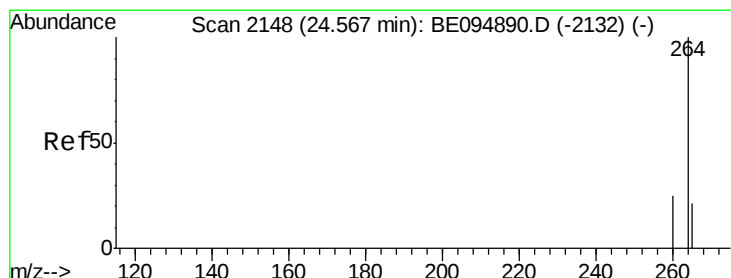
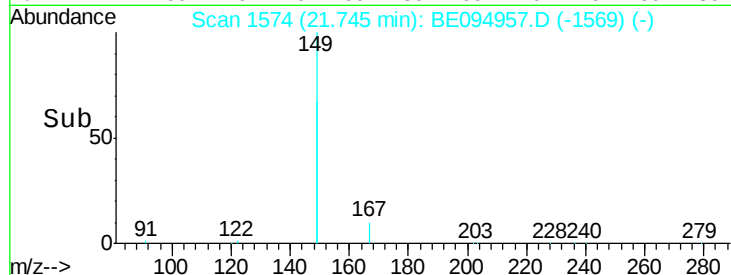
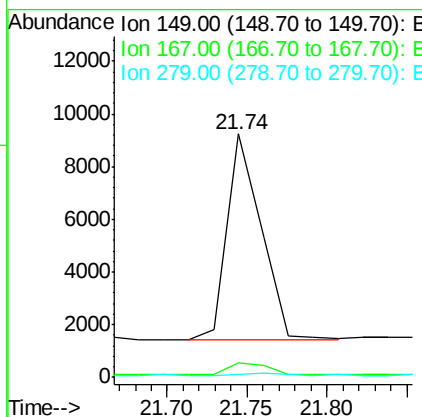
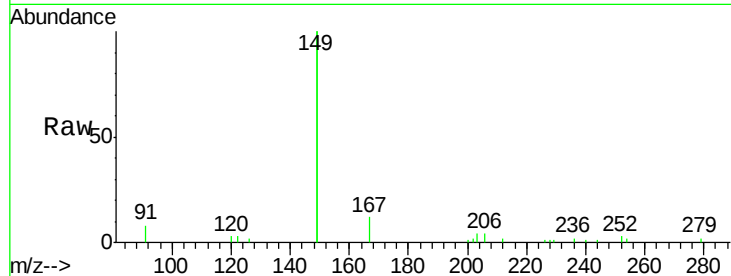




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.091 ng
 RT: 21.74 min Scan# 1574
 Delta R.T. -0.02 min
 Lab File: BE094957.D
 Acq: 8 Dec 2017 20:08

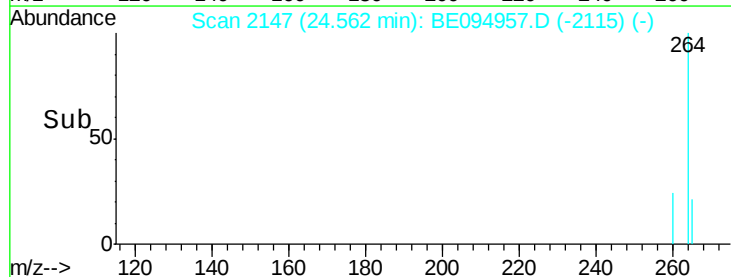
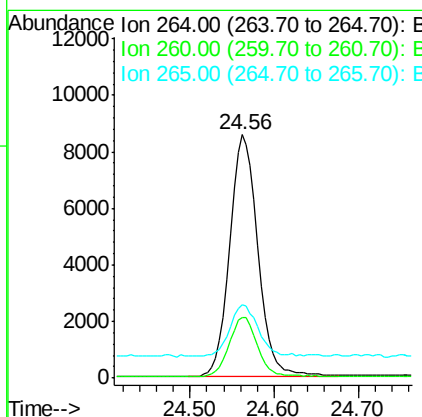
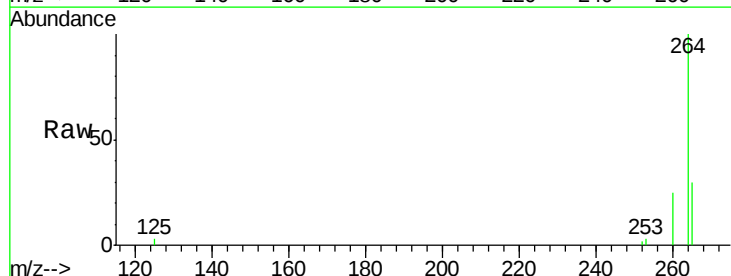
Instrument :
 BNA_E
 ClientSampleId :
 FT-PZ-4551-20171202

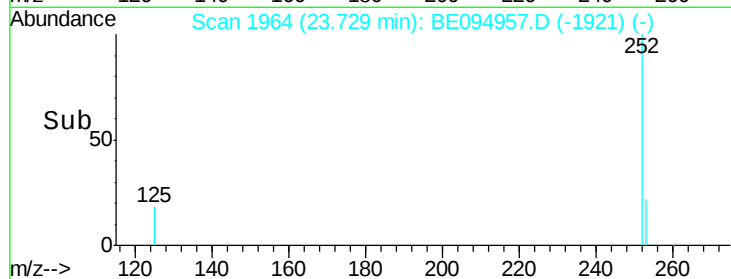
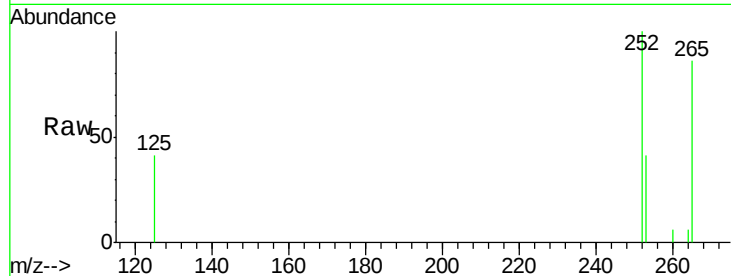
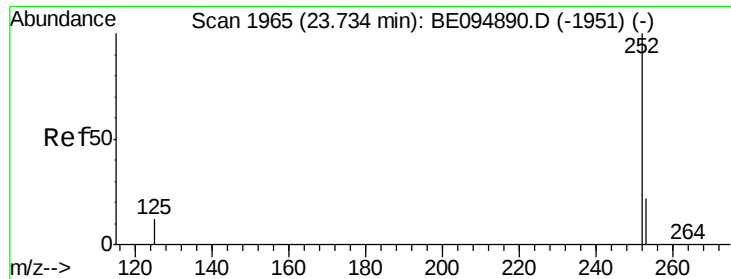
Tot Ion:149 Resp: 11566
 Ion Ratio Lower Upper
 149 100
 167 6.9 5.4 8.0
 279 1.0 0.7 1.1



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.56 min Scan# 2147
 Delta R.T. -0.01 min
 Lab File: BE094957.D
 Acq: 8 Dec 2017 20:08

Tgt Ion:264 Resp: 19880
 Ion Ratio Lower Upper
 264 100
 260 24.7 20.5 30.7
 265 30.0 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.023 ng

RT: 23.73 min Scan# 1964

Delta R.T. -0.01 min

Lab File: BE094957.D

Acq: 8 Dec 2017 20:08

Instrument :

BNA_E

ClientSampleId :

FT-PZ-455I-20171202

Tot Ion: 252 Resp: 1668

Ion Ratio Lower Upper

252 100

253 40.6 48.0 72.0#

125 40.7 56.0 84.0#

