

Data Path : Z:\HPCHEM1\BNA E\DATA\BE120817\
 Data File : BE094954.D
 Acq On : 8 Dec 2017 18:23
 Operator : SJ/JU
 Sample : I6740-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FT-PZ-462S-20171202

Quant Time: Dec 09 00:27:12 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	7597	0.40	ng	0.00
7) Naphthalene-d8	11.33	136	16704	0.40	ng	0.00
13) Acenaphthene-d10	15.08	164	9954	0.40	ng	0.00
19) Phenanthrene-d10	17.77	188	23378	0.40	ng	0.00
27) Chrysene-d12	21.88	240	25461	0.40	ng	0.00
34) Perylene-d12	24.56	264	20200	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.95	112	537	0.04	ng	0.00
5) Phenol-d6	7.60	99	1617	0.09	ng	0.01
8) Nitrobenzene-d5	9.67	82	2442	0.25	ng	0.00
11) 2-Methylnaphthalene-d10	12.87	152	4126	0.15	ng	0.00
14) 2,4,6-Tribromophenol	16.53	330	369	0.25	ng	0.00
15) 2-Fluorobiphenyl	13.71	172	10881	0.26	ng	0.00
25) Fluoranthene-d10	19.76	212	51618	0.16	ng	0.00
29) Terphenyl-d14	20.33	244	22843	0.49	ng	0.00

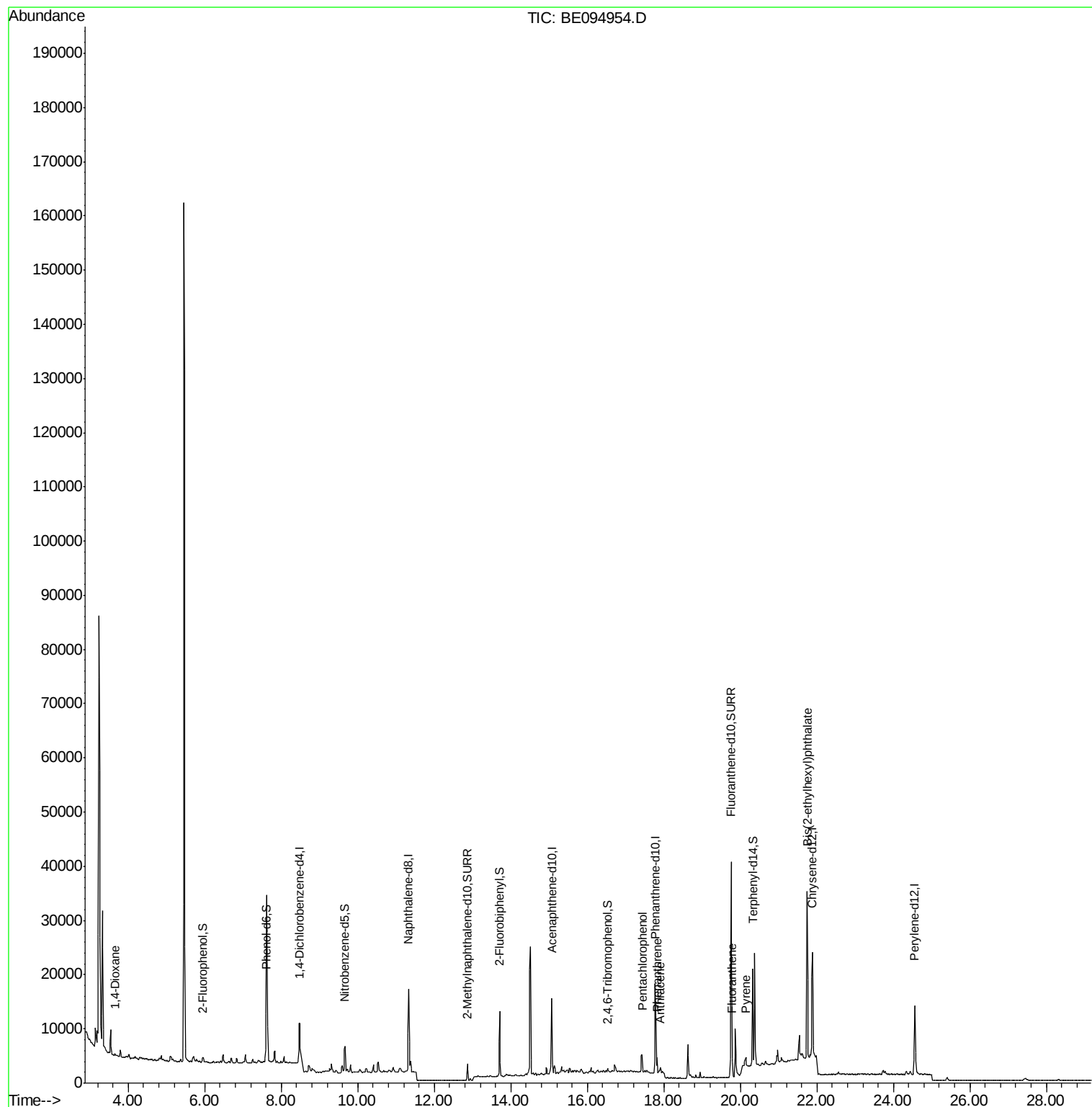
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.65	88	212	0.027	ng	# 1
22) Pentachlorophenol	17.43	266	2048	0.620	ng	# 72
23) Phenanthrene	17.82	178	2985	0.040	ng	# 87
24) Anthracene	17.91	178	2407	0.030	ng	# 58
26) Fluoranthene	19.79	202	2388	0.025	ng	# 81
28) Pyrene	20.14	202	1764	0.020	ng	# 84
32) Bis(2-ethylhexyl)phthalate	21.74	149	41373	0.320	ng	100

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

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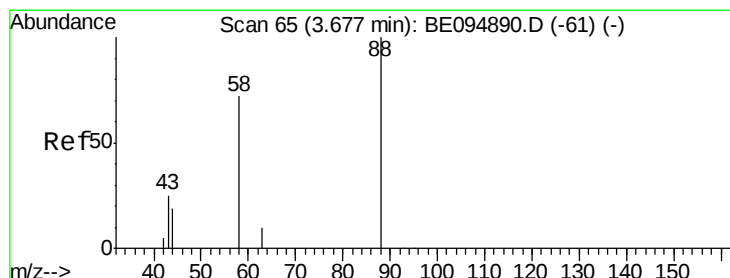
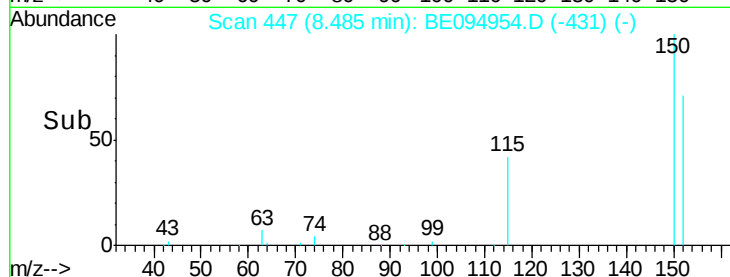
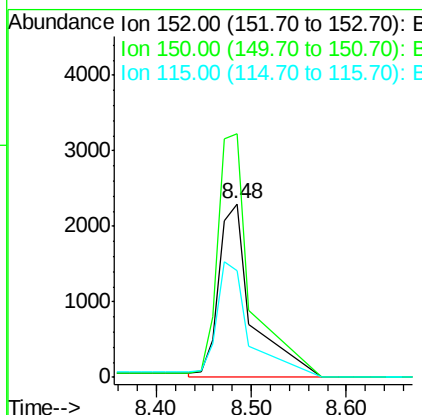
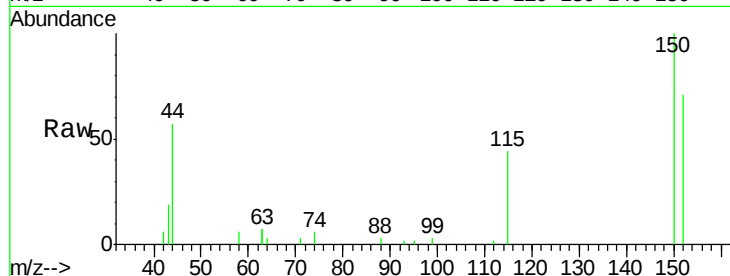


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.48 min Scan# 447
Delta R.T. -0.00 min
Lab File: BE094954.D
Acq: 8 Dec 2017 18:23

Instrument :
BNA_E
ClientSampleId :
FT-PZ-462S-20171202

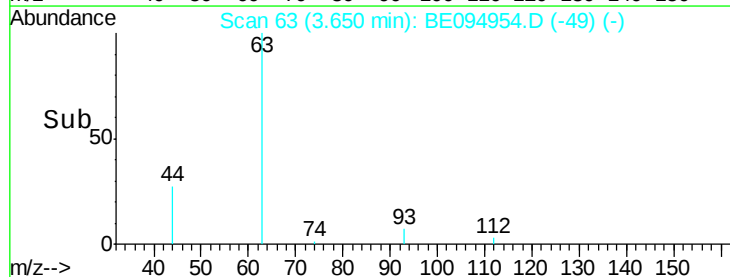
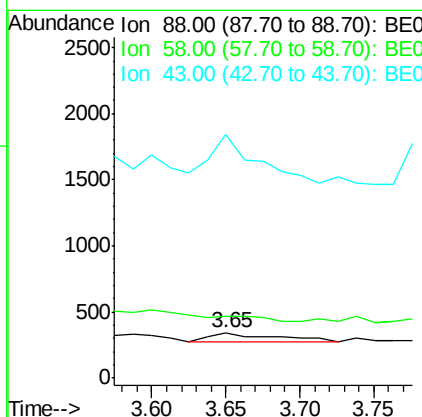
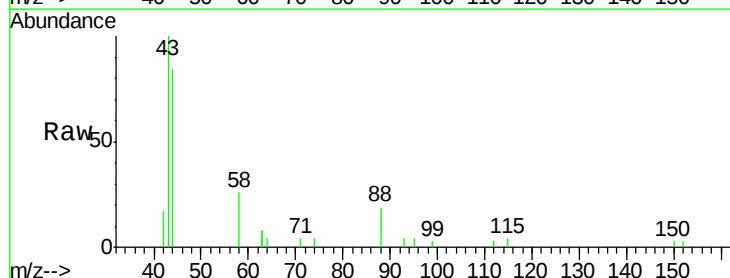
Tot Ion:152 Resp: 7597
Ion Ratio Lower Upper
152 100
150 140.5 117.2 175.8
115 61.7 57.0 85.6

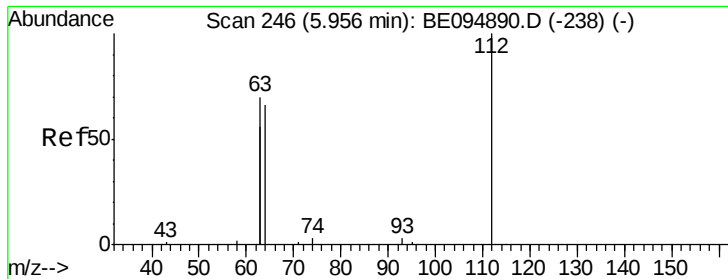


#2

1,4-Dioxane
Concen: 0.027 ng
RT: 3.65 min Scan# 63
Delta R.T. -0.03 min
Lab File: BE094954.D
Acq: 8 Dec 2017 18:23

Tgt Ion: 88 Resp: 212
Ion Ratio Lower Upper
88 100
58 0.0 63.2 94.8#
43 446.2 41.2 61.8#





#4

2-Fluorophenol

Concen: 0.045 ng

RT: 5.95 min Scan# 246

Delta R.T. -0.00 min

Lab File: BE094954.D

Acq: 8 Dec 2017 18:23

Instrument :

BNA_E

ClientSampleId :

FT-PZ-462S-20171202

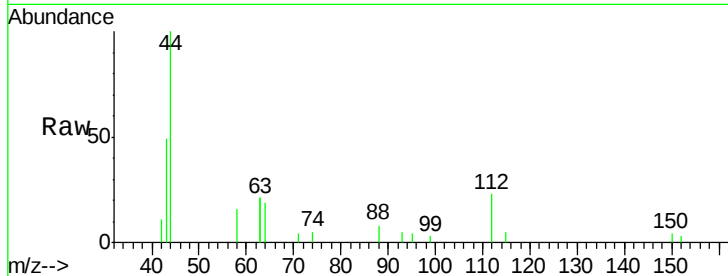
Tot Ion:112 Resp: 537

Ion Ratio Lower Upper

112 100

64 82.5 60.1 90.1

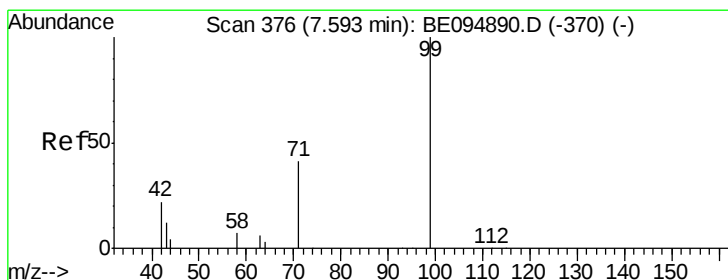
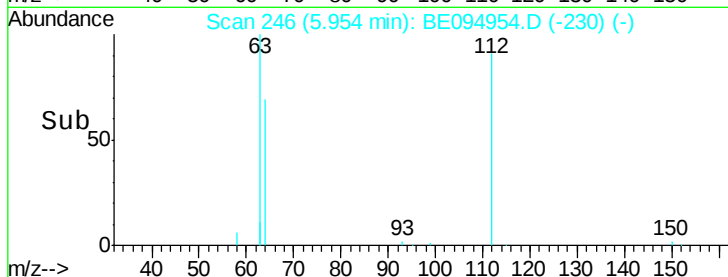
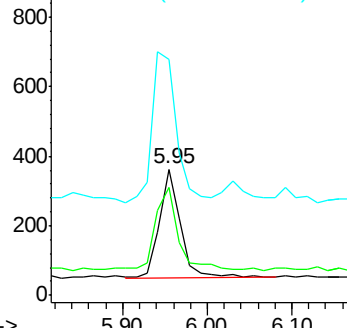
63 159.0 116.8 175.2



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.091 ng

RT: 7.60 min Scan# 377

Delta R.T. 0.01 min

Lab File: BE094954.D

Acq: 8 Dec 2017 18:23

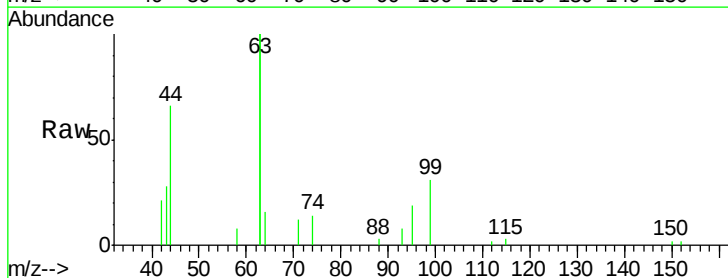
Tgt Ion: 99 Resp: 1617

Ion Ratio Lower Upper

99 100

42 110.1 20.2 30.2#

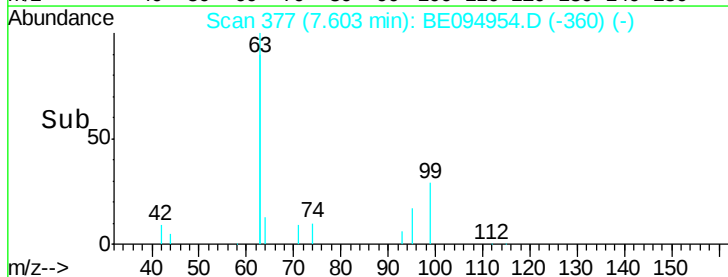
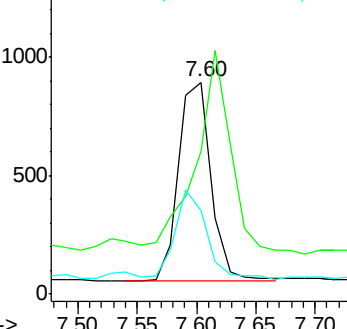
71 0.0 28.4 42.6#

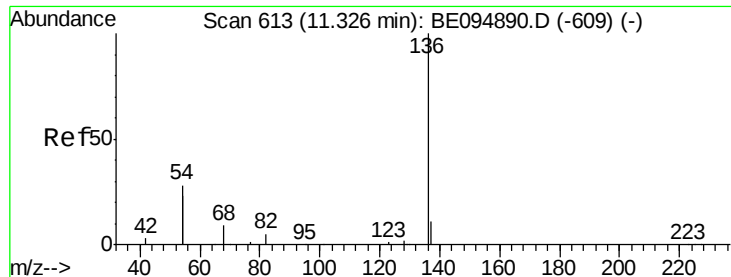


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: BE094954.D

Acq: 8 Dec 2017 18:23

Instrument :

BNA_E

ClientSampleId :

FT-PZ-462S-20171202

Tot Ion:136 Resp: 16704

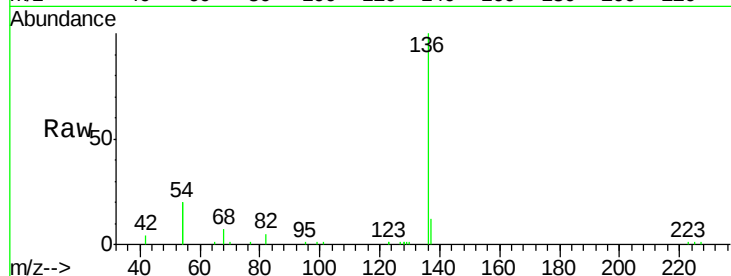
Ion Ratio Lower Upper

136 100

137 11.5 9.5 14.3

54 39.2 29.1 43.7

68 7.5 6.2 9.2

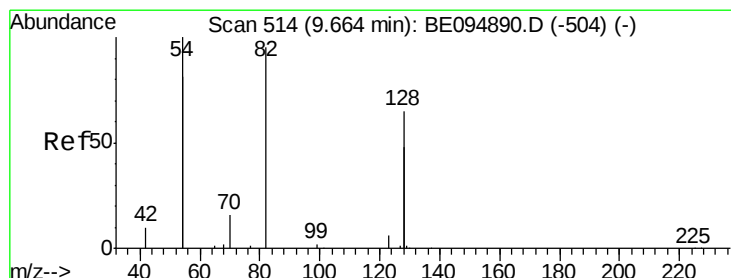
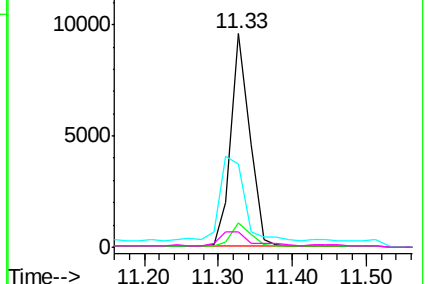
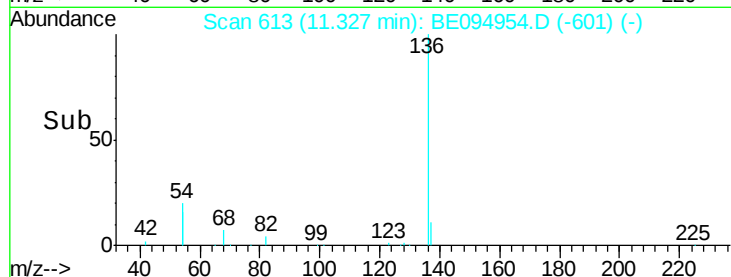


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.247 ng

RT: 9.67 min Scan# 514

Delta R.T. 0.00 min

Lab File: BE094954.D

Acq: 8 Dec 2017 18:23

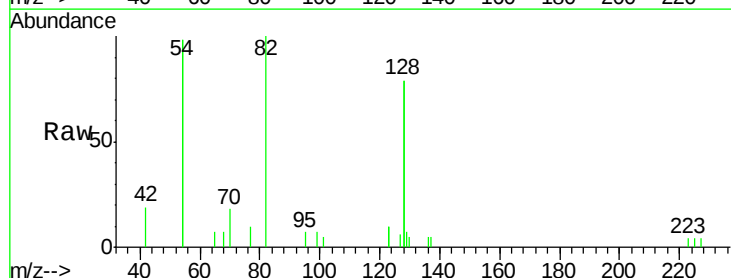
Tgt Ion: 82 Resp: 2442

Ion Ratio Lower Upper

82 100

128 157.8 150.0 225.0

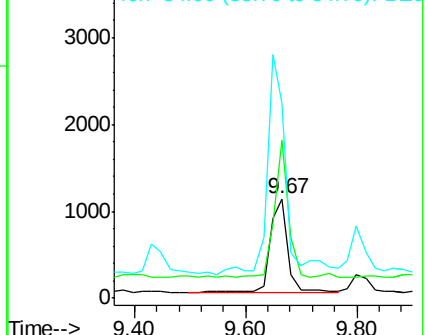
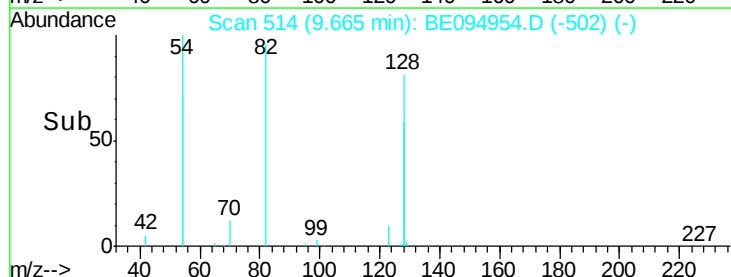
54 195.8 154.2 231.4

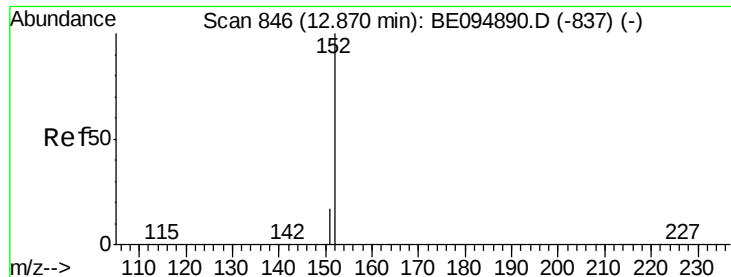


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

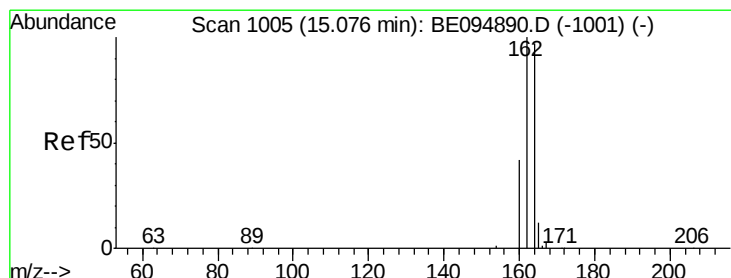
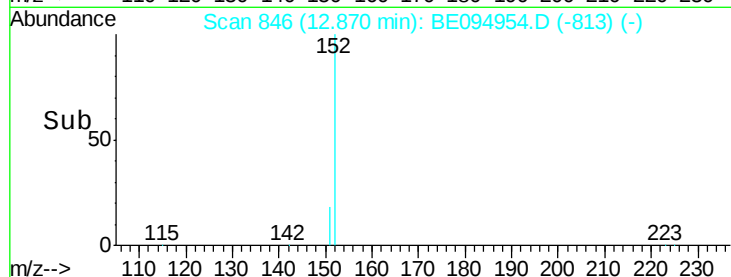
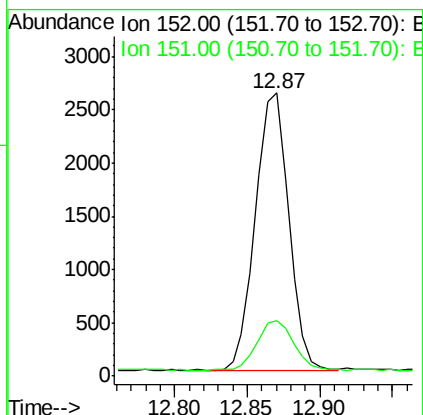
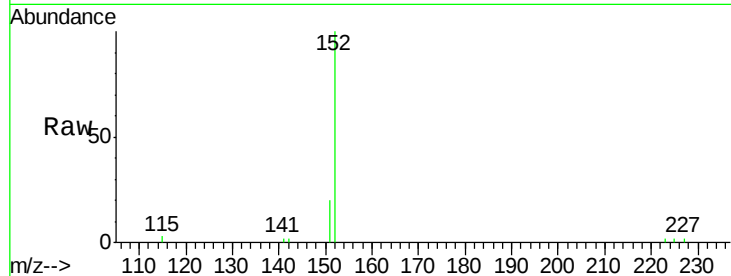




#11
2-Methylnaphthalene-d10
Concen: 0.155 ng
RT: 12.87 min Scan# 846
Delta R.T. -0.00 min
Lab File: BE094954.D
Acq: 8 Dec 2017 18:23

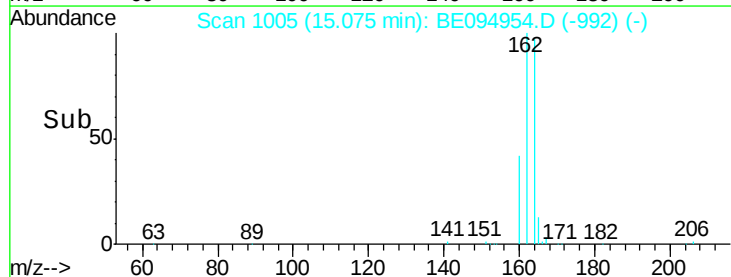
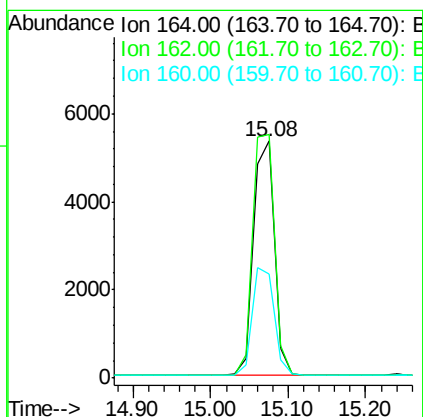
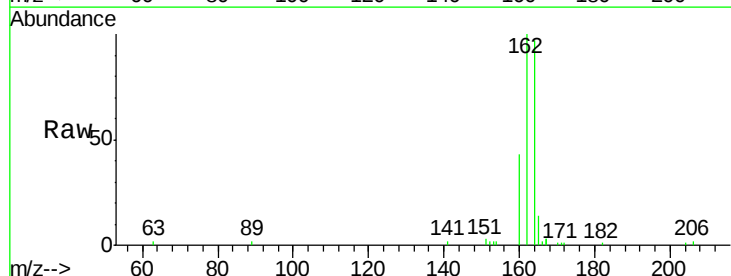
Instrument :
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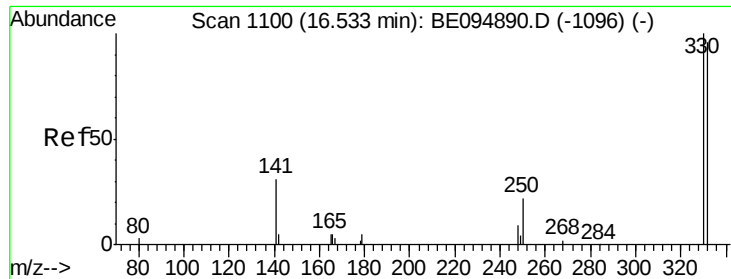
Tot Ion:152 Resp: 4126
Ion Ratio Lower Upper
152 100
151 20.0 15.4 23.0



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 15.08 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BE094954.D
Acq: 8 Dec 2017 18:23

Tgt Ion:164 Resp: 9954
Ion Ratio Lower Upper
164 100
162 102.9 83.1 124.7
160 43.8 37.1 55.7





#14

2,4,6-Tribromophenol

Concen: 0.246 ng

RT: 16.53 min Scan# 1100

Delta R.T. -0.00 min

Lab File: BE094954.D

Acq: 8 Dec 2017 18:23

Instrument :

BNA_E

ClientSampleId :

FT-PZ-462S-20171202

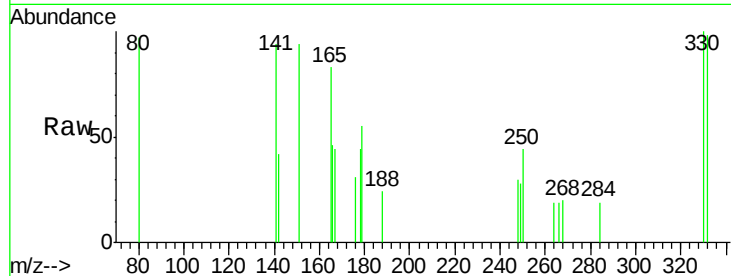
Tot Ion:330 Resp: 369

Ion Ratio Lower Upper

330 100

332 101.4 152.7 229.1#

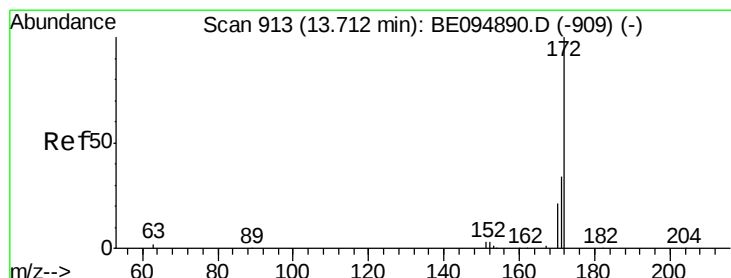
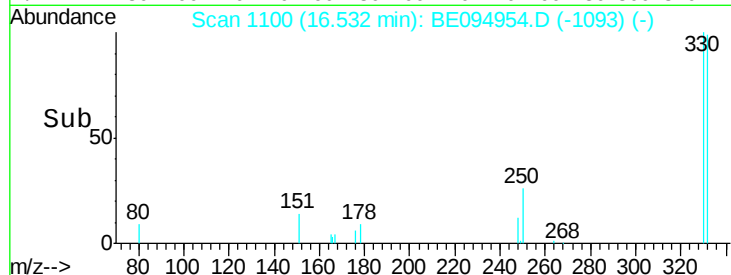
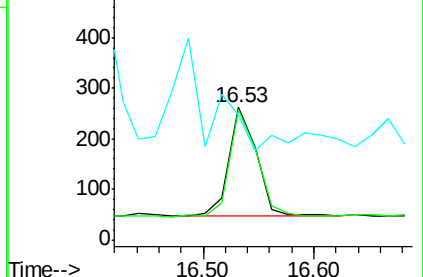
141 0.0 33.7 50.5#



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: 0.255 ng

RT: 13.71 min Scan# 913

Delta R.T. -0.00 min

Lab File: BE094954.D

Acq: 8 Dec 2017 18:23

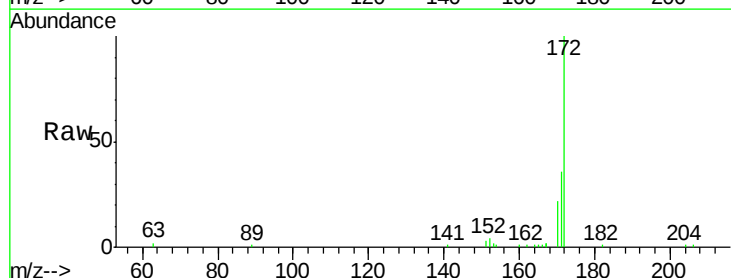
Tgt Ion:172 Resp: 10881

Ion Ratio Lower Upper

172 100

171 35.8 29.9 44.9

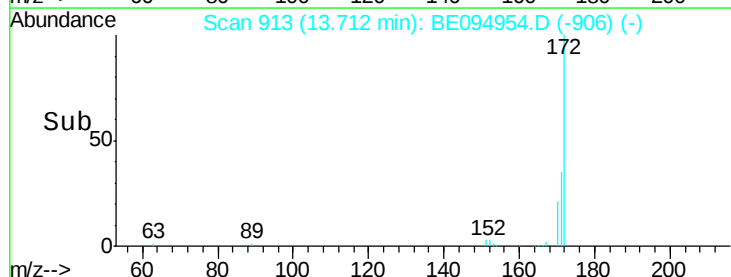
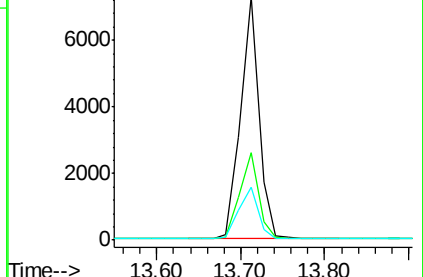
170 21.7 21.8 32.8#

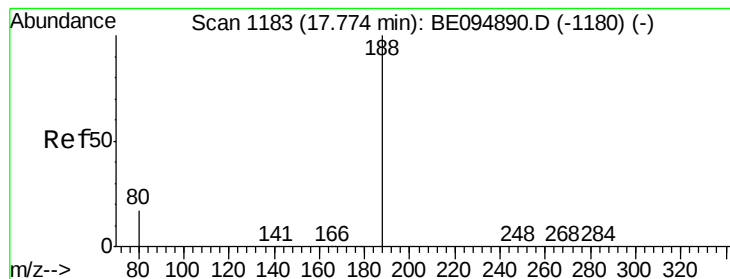


Abundance Ion 172.00 (171.70 to 172.70): E

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: BE094954.D

Acq: 8 Dec 2017 18:23

Instrument :

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ClientSampleId :

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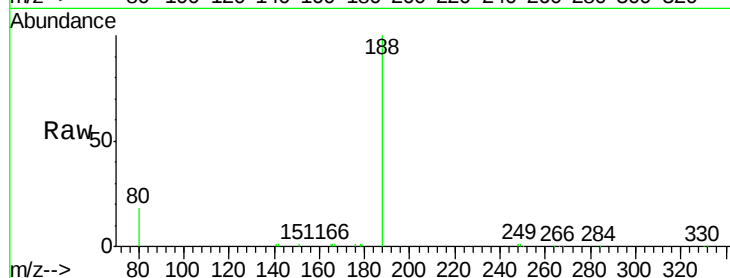
Tot Ion:188 Resp: 23378

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

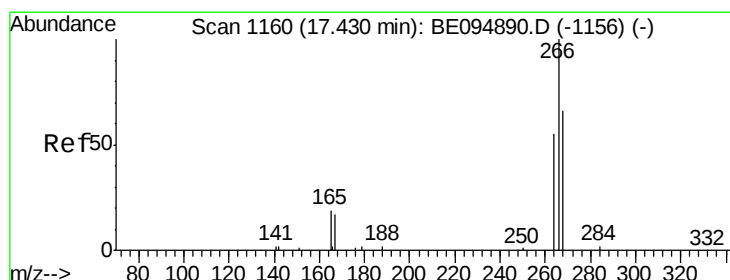
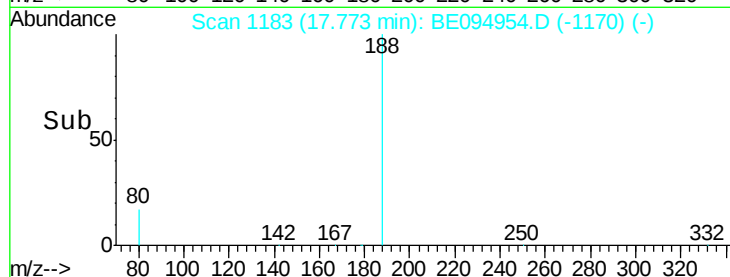
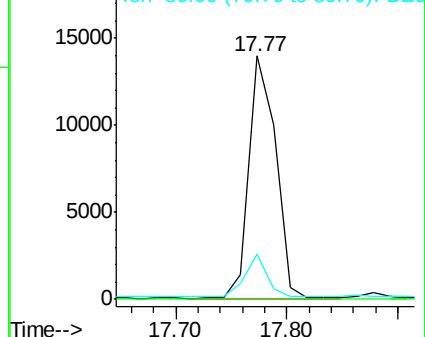
80 18.5 3.6 5.4#



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: 0.620 ng

RT: 17.43 min Scan# 1160

Delta R.T. 0.00 min

Lab File: BE094954.D

Acq: 8 Dec 2017 18:23

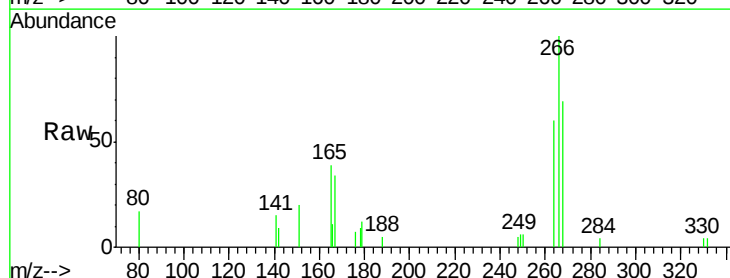
Tgt Ion:266 Resp: 2048

Ion Ratio Lower Upper

266 100

264 60.3 72.5 108.7#

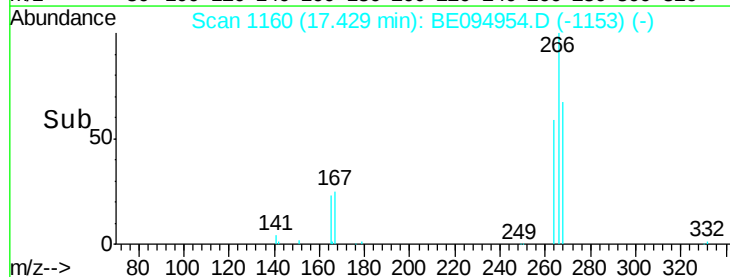
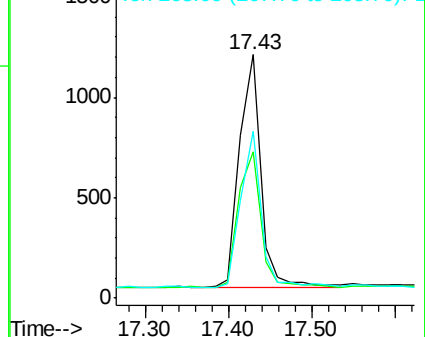
268 68.6 73.8 110.6#

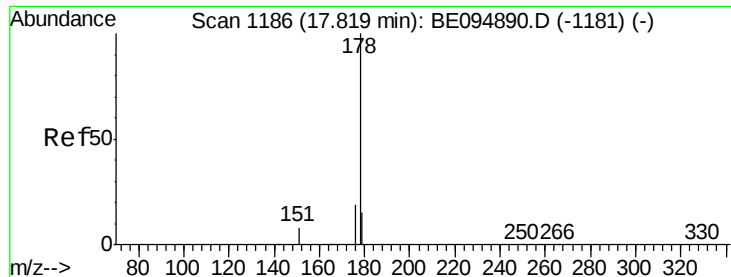


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.040 ng

RT: 17.82 min Scan# 1186

Delta R.T. -0.00 min

Lab File: BE094954.D

Acq: 8 Dec 2017 18:23

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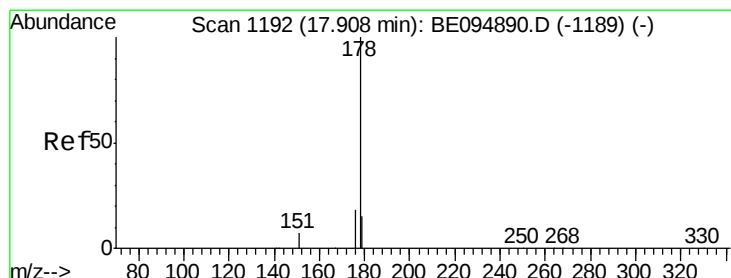
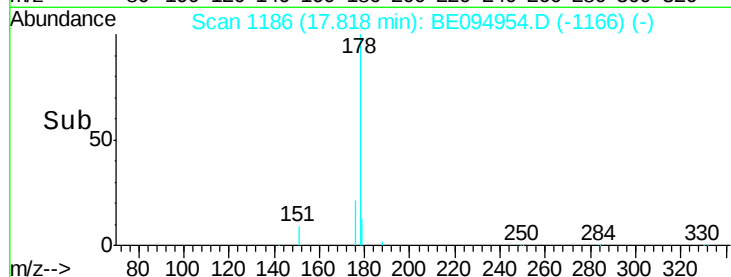
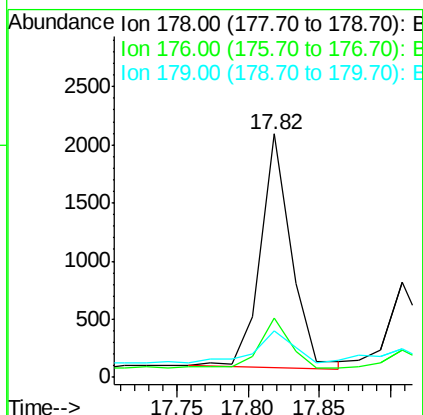
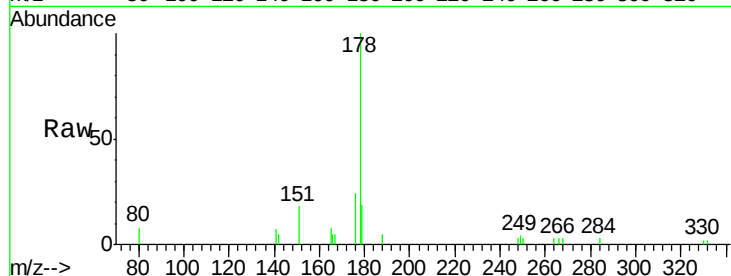
Tot Ion:178 Resp: 2985

Ion Ratio Lower Upper

178 100

176 22.4 15.1 22.7

179 23.1 11.8 17.6#



#24

Anthracene

Concen: 0.030 ng

RT: 17.91 min Scan# 1192

Delta R.T. -0.00 min

Lab File: BE094954.D

Acq: 8 Dec 2017 18:23

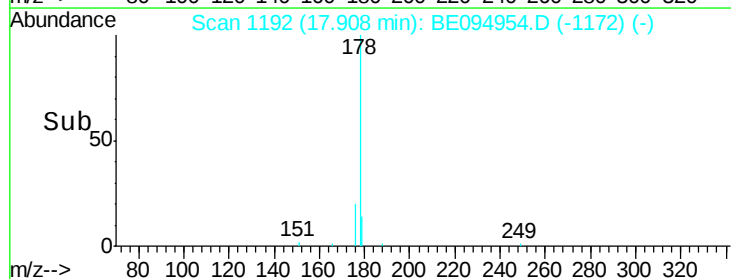
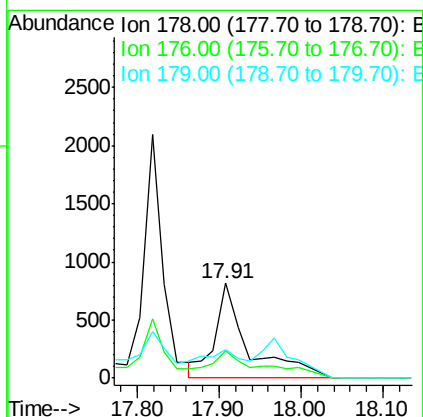
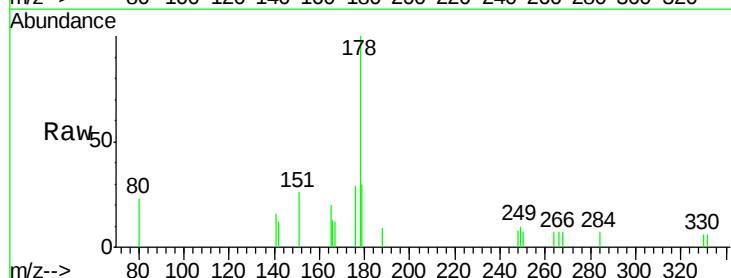
Tgt Ion:178 Resp: 2407

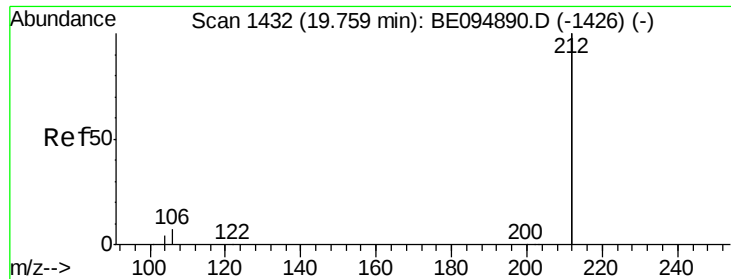
Ion Ratio Lower Upper

178 100

176 44.0 12.8 19.2#

179 24.2 13.0 19.6#





#25

Fluoranthene-d10

Concen: 0.162 ng

RT: 19.76 min Scan# 1432

Delta R.T. 0.00 min

Lab File: BE094954.D

Acq: 8 Dec 2017 18:23

Instrument :

BNA_E

ClientSampleId :

FT-PZ-462S-20171202

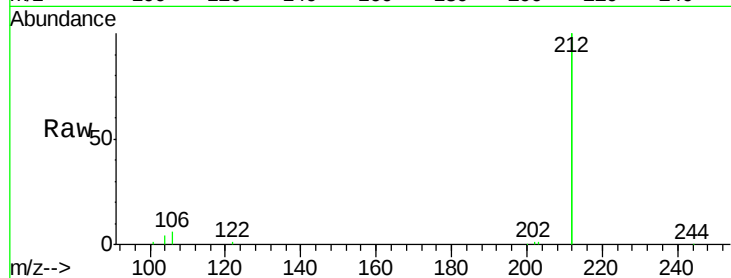
Tot Ion:212 Resp: 51618

Ion Ratio Lower Upper

212 100

106 3.7 2.8 4.2

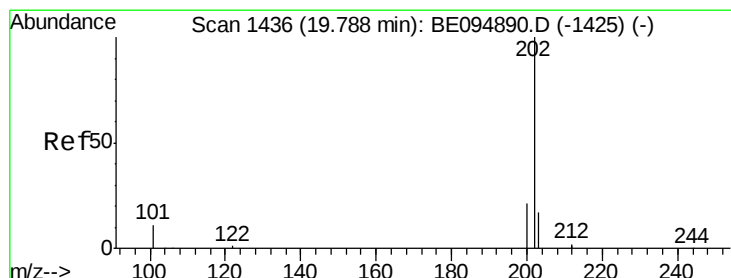
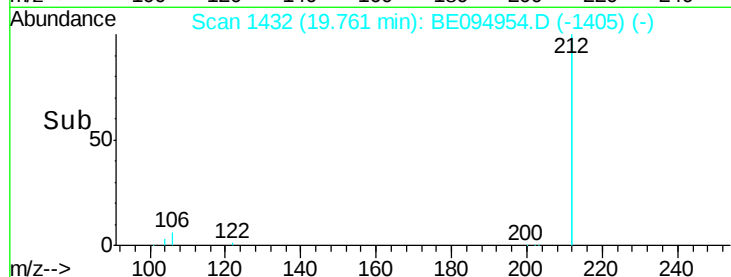
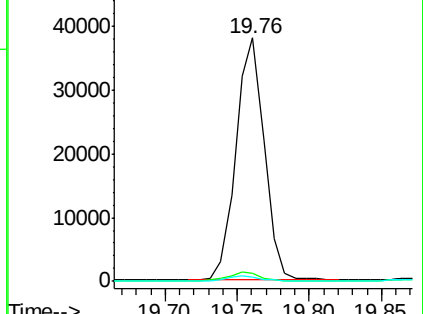
104 2.3 1.6 2.4



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: 0.025 ng

RT: 19.79 min Scan# 1436

Delta R.T. 0.00 min

Lab File: BE094954.D

Acq: 8 Dec 2017 18:23

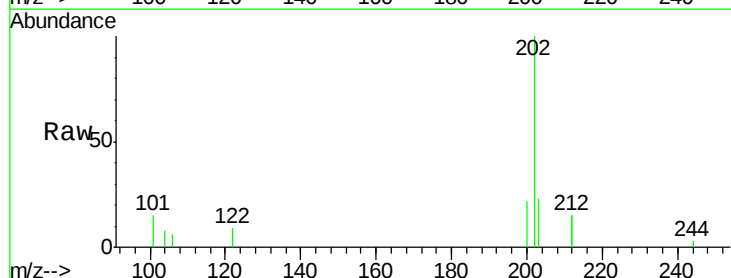
Tgt Ion:202 Resp: 2388

Ion Ratio Lower Upper

202 100

101 0.0 9.8 14.8#

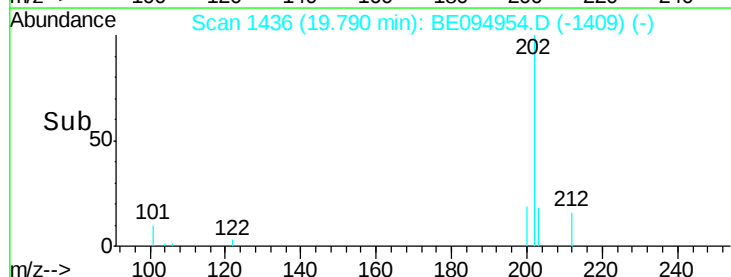
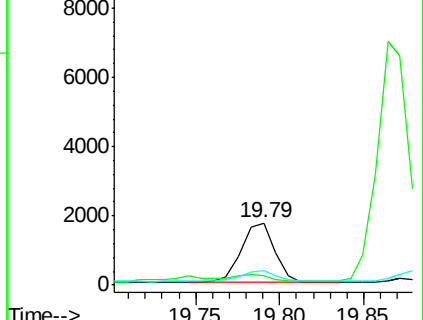
203 21.4 13.7 20.5#

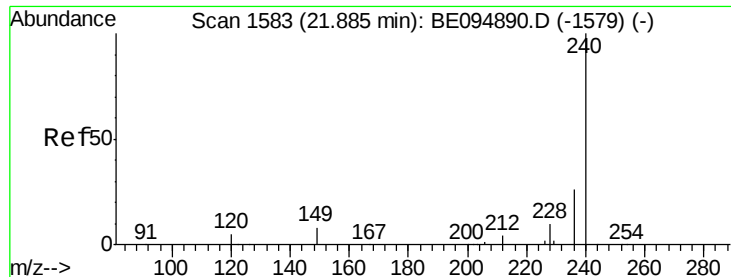


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

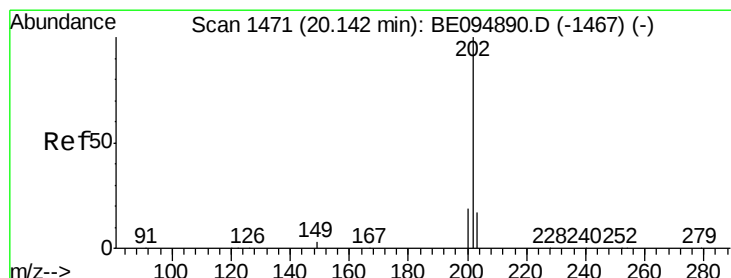
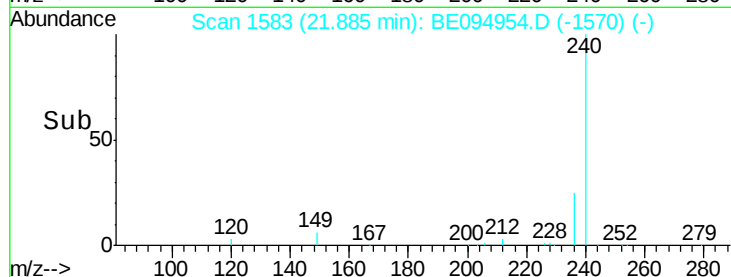
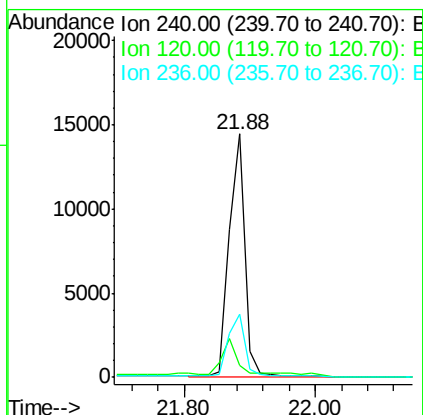
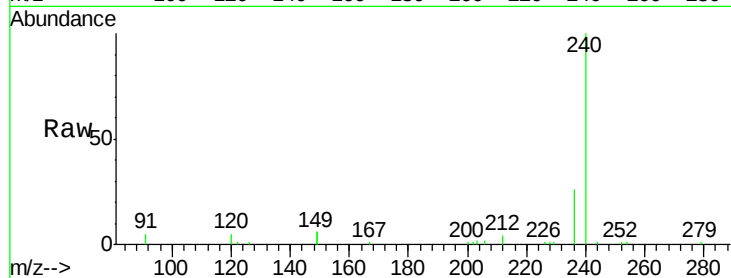




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.88 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: BE094954.D
 Acq: 8 Dec 2017 18:23

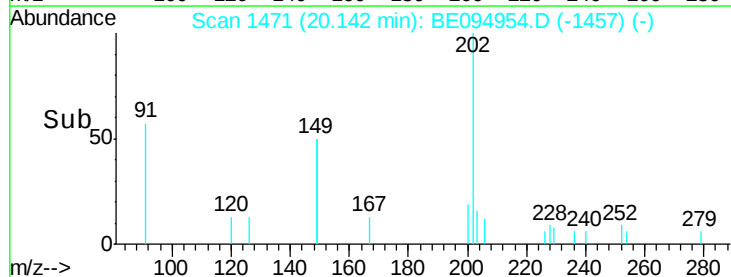
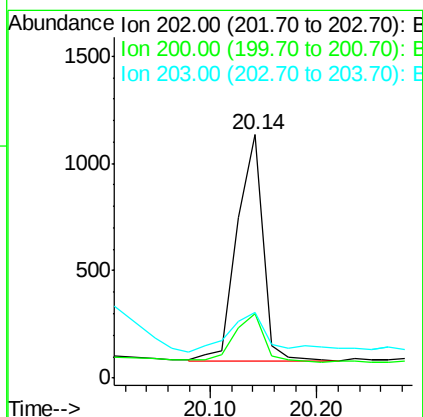
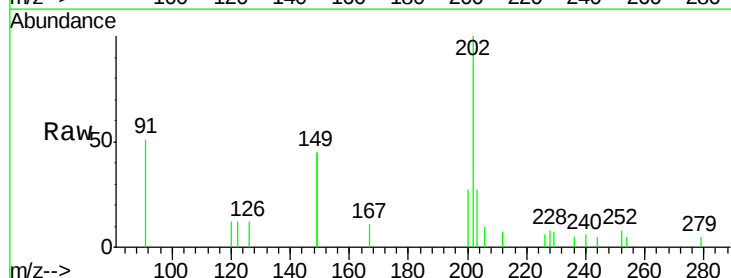
Instrument :
 BNA_E
 ClientSampleId :
 FT-PZ-462S-20171202

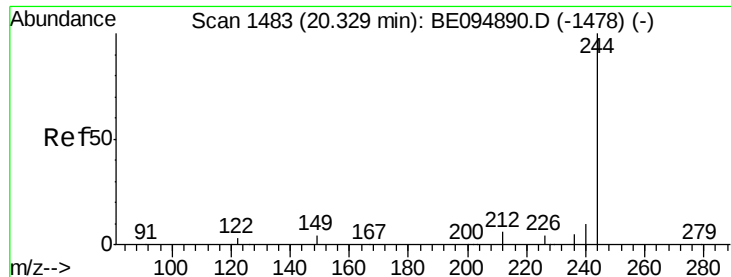
Tot Ion:240 Resp: 25461
 Ion Ratio Lower Upper
 240 100
 120 4.8 5.5 8.3#
 236 25.9 20.7 31.1



#28
 Pyrene
 Concen: 0.020 ng
 RT: 20.14 min Scan# 1471
 Delta R.T. -0.00 min
 Lab File: BE094954.D
 Acq: 8 Dec 2017 18:23

Tgt Ion:202 Resp: 1764
 Ion Ratio Lower Upper
 202 100
 200 24.4 16.6 25.0
 203 28.9 13.8 20.8#





#29

Terphenyl-d14

Concen: 0.486 ng

RT: 20.33 min Scan# 1483

Delta R.T. -0.00 min

Lab File: BE094954.D

Acq: 8 Dec 2017 18:23

Instrument :

BNA_E

ClientSampleId :

FT-PZ-462S-20171202

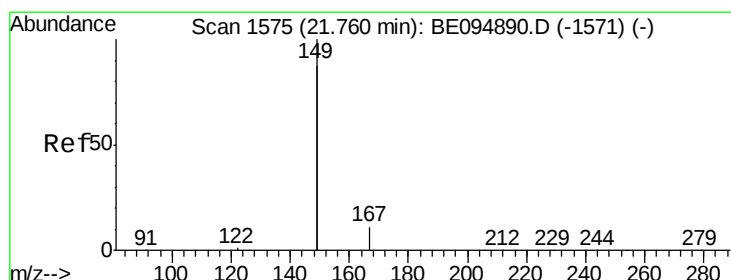
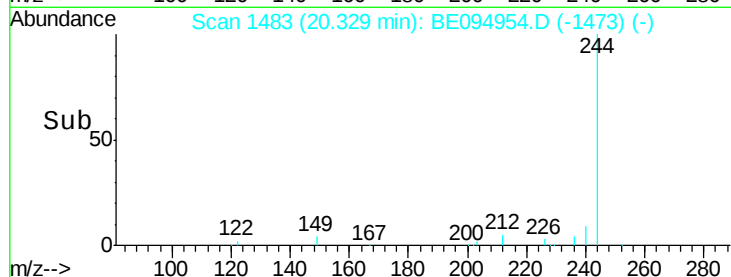
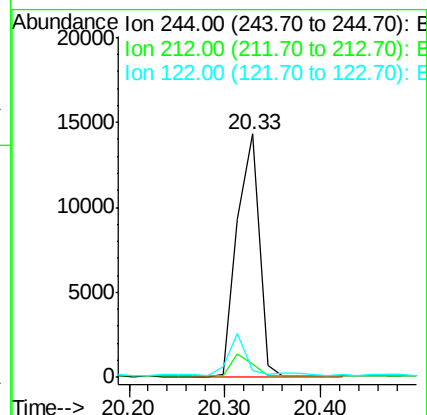
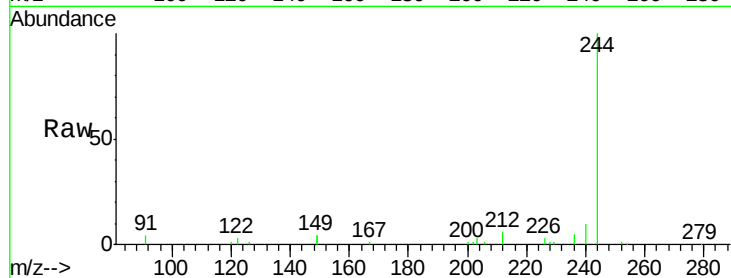
Tot Ion:244 Resp: 22843

Ion Ratio Lower Upper

244 100

212 5.6 25.4 38.0#

122 2.8 8.1 12.1#



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.320 ng

RT: 21.74 min Scan# 1574

Delta R.T. -0.02 min

Lab File: BE094954.D

Acq: 8 Dec 2017 18:23

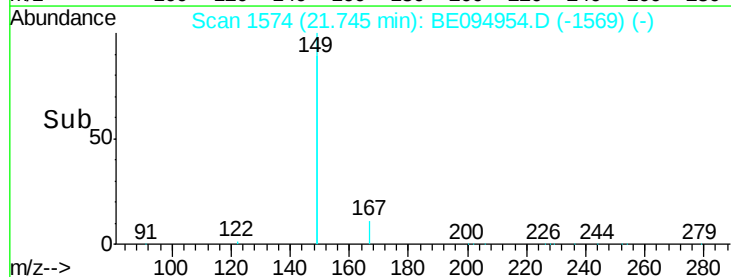
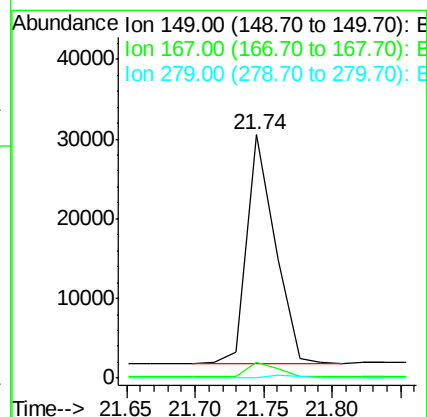
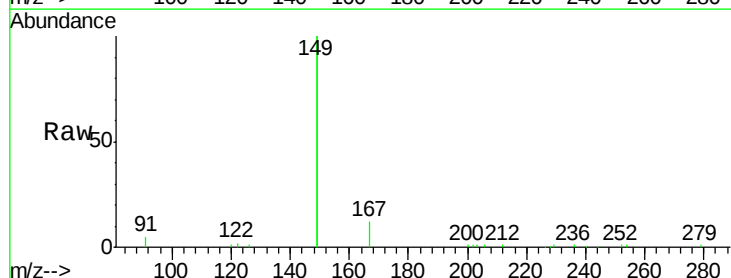
Tgt Ion:149 Resp: 41373

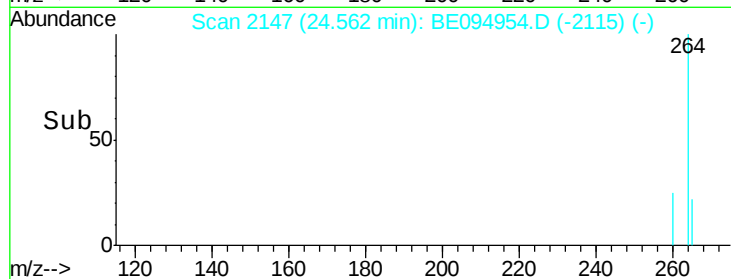
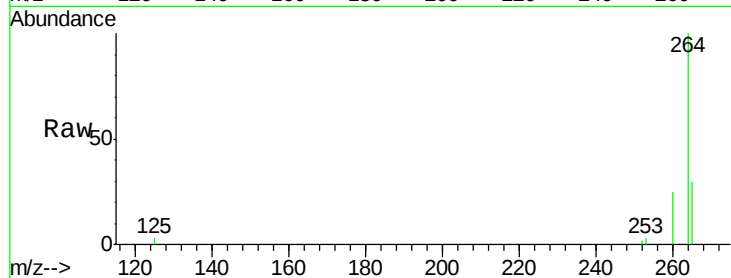
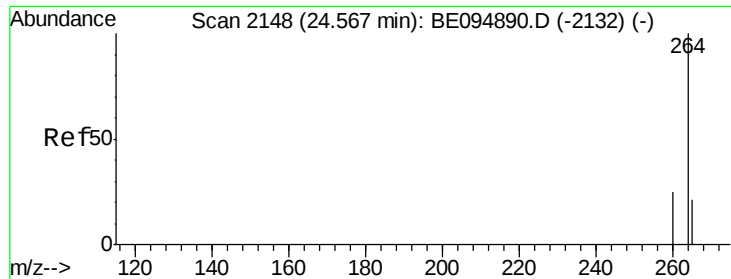
Ion Ratio Lower Upper

149 100

167 6.5 5.4 8.0

279 0.9 0.7 1.1





#34

Pervlene-d12

Concen: 0.400 ng

RT: 24.56 min Scan# 2147

Delta R.T. -0.01 min

Lab File: BE094954.D

Acq: 8 Dec 2017 18:23

Instrument :

BNA_E

ClientSampleId :

FT-PZ-462S-20171202

Tot Ion: 264 Resp: 20200

Ion Ratio Lower Upper

264 100

260 25.2 20.5 30.7

265 30.5 22.8 34.2

