

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE121117\
 Data File : BE094973.D
 Acq On : 11 Dec 2017 14:38
 Operator : SJ/JU
 Sample : I6740-12DL 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FT-PZ-460I-20171204DL

Quant Time: Dec 11 15:38:50 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	8503	0.40	ng	0.00
7) Naphthalene-d8	11.33	136	17708	0.40	ng	0.00
13) Acenaphthene-d10	15.08	164	9687	0.40	ng	0.00
19) Phenanthrene-d10	17.79	188	24723	0.40	ng	0.02
27) Chrysene-d12	21.89	240	26029	0.40	ng	0.00
34) Perylene-d12	24.57	264	21365	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.95	112	883	0.07	ng	0.00
5) Phenol-d6	7.60	99	975	0.05	ng	0.00
8) Nitrobenzene-d5	9.66	82	2605	0.25	ng	0.00
11) 2-Methylnaphthalene-d10	12.87	152	4649	0.16	ng	0.00
14) 2,4,6-Tribromophenol	16.55	330	390	0.26	ng	0.02
15) 2-Fluorobiphenyl	13.71	172	12148	0.29	ng	0.00
25) Fluoranthene-d10	19.77	212	51867	0.15	ng	0.00
29) Terphenyl-d14	20.33	244	14674	0.31	ng	0.00

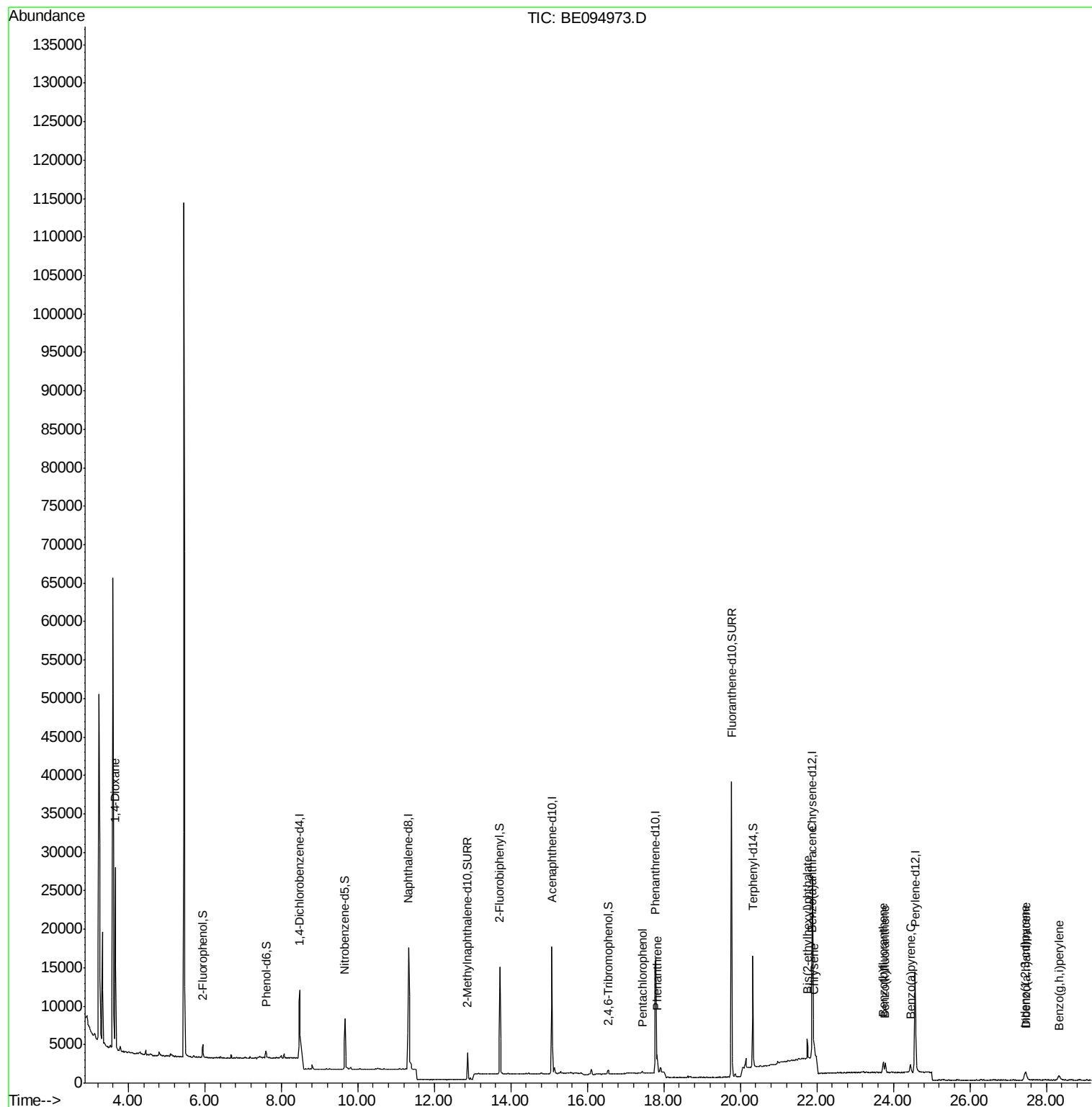
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.66	88	14446	1.624	ng	# 87
22) Pentachlorophenol	17.43	266	141	0.165	ng	91
23) Phenanthrene	17.82	178	2604	0.033	ng	# 93
30) Benzo(a)anthracene	21.87	228	2154	0.027	ng	# 66
31) Chrysene	21.92	228	2456	0.028	ng	# 70
32) Bis(2-ethylhexyl)phthalate	21.75	149	3944	0.030	ng	100
33) Indeno(1,2,3-cd)pyrene	27.44	276	1727	0.024	ng	97
35) Benzo(b)fluoranthene	23.73	252	2091	0.027	ng	# 60
36) Benzo(k)fluoranthene	23.79	252	1835	0.023	ng	# 63
37) Benzo(a)pyrene	24.44	252	1597	0.023	ng	# 68
38) Dibenzo(a,h)anthracene	27.48	278	1368	0.022	ng	# 64
39) Benzo(g,h,i)perylene	28.33	276	1557	0.025	ng	# 63

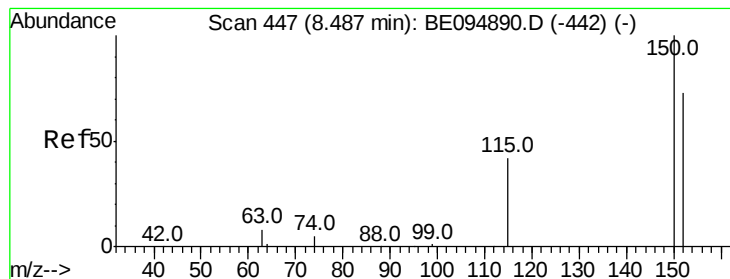
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA E\DATA\BE121117\
Data File : BE094973.D
Acq On : 11 Dec 2017 14:38
Operator : SJ/JU
Sample : I6740-12DL 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
FT-PZ-460I-20171204DL

Quant Time: Dec 11 15:38:50 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





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.48 min Scan# 447

Delta R.T. -0.00 min

Lab File: BE094973.D

Acq: 11 Dec 2017 14:38

Instrument :

BNA_E

ClientSampleId :

FT-PZ-460I-20171204DL

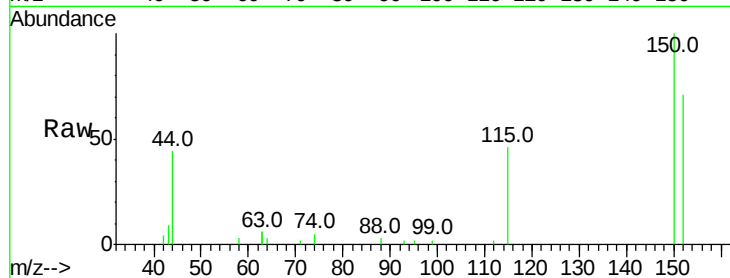
Tot Ion:152 Resp: 8503

Ion Ratio Lower Upper

152 100

150 140.2 117.2 175.8

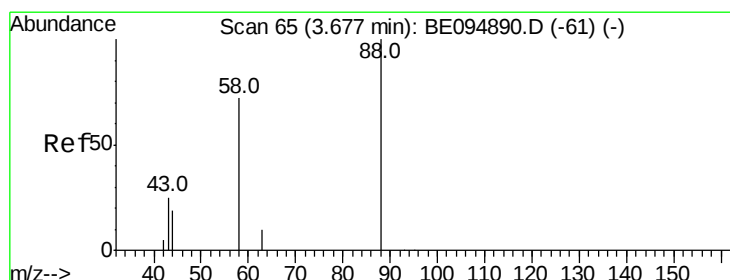
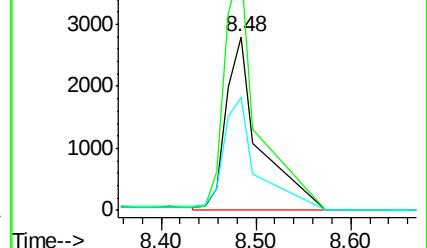
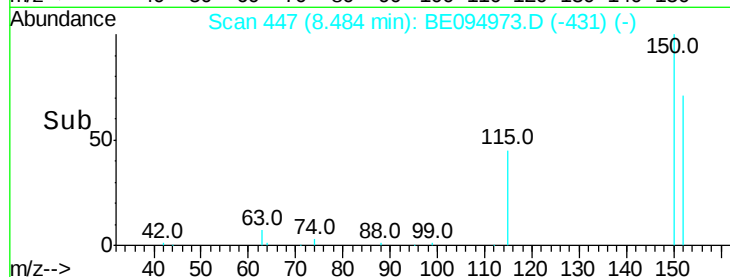
115 64.9 57.0 85.6



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



#2

1,4-Dioxane

Concen: 1.624 ng

RT: 3.66 min Scan# 64

Delta R.T. -0.02 min

Lab File: BE094973.D

Acq: 11 Dec 2017 14:38

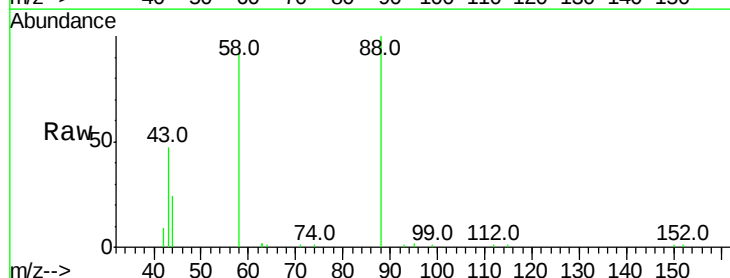
Tgt Ion: 88 Resp: 14446

Ion Ratio Lower Upper

88 100

58 86.8 63.2 94.8

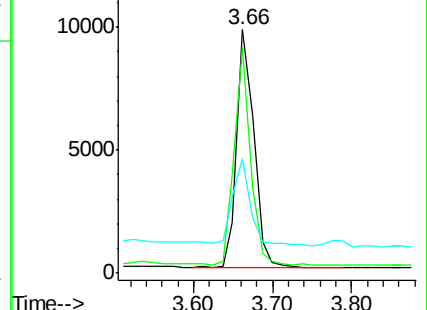
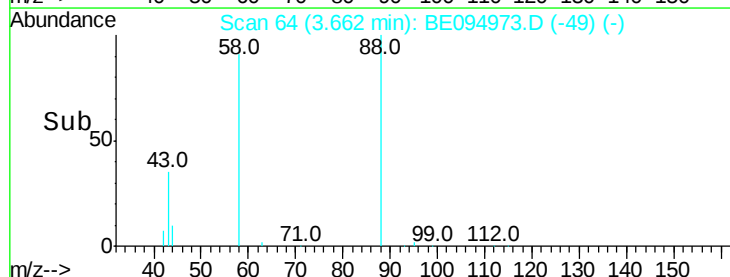
43 37.2 41.2 61.8#

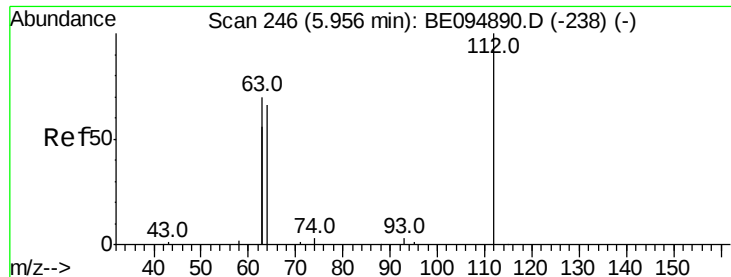


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.066 ng

RT: 5.95 min Scan# 246

Delta R.T. -0.00 min

Lab File: BE094973.D

Acq: 11 Dec 2017 14:38

Instrument :

BNA_E

ClientSampleId :

FT-PZ-460I-20171204DL

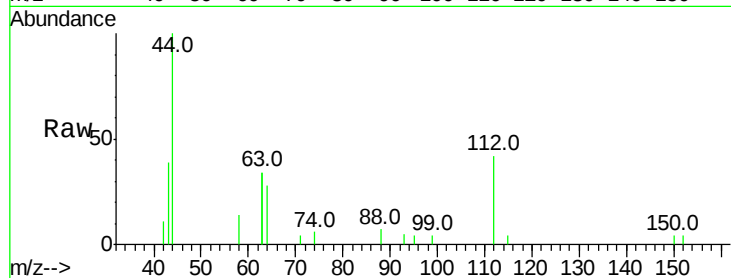
Tot Ion: 112 Resp: 883

Ion Ratio Lower Upper

112 100

64 77.8 60.1 90.1

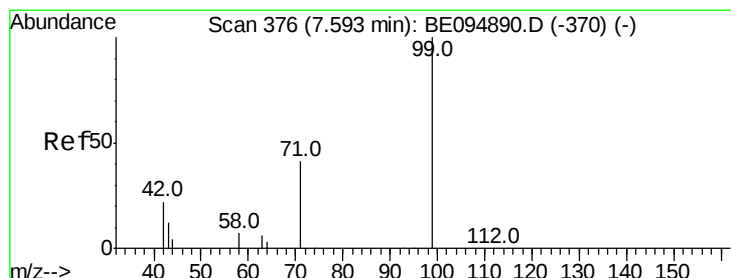
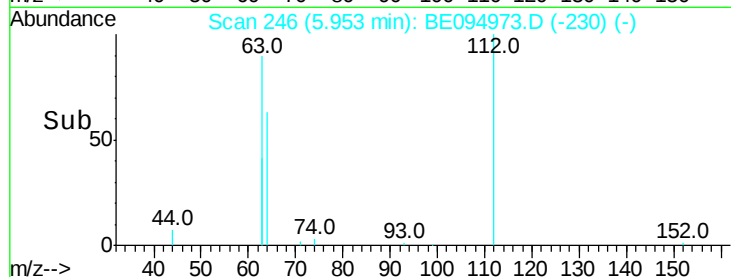
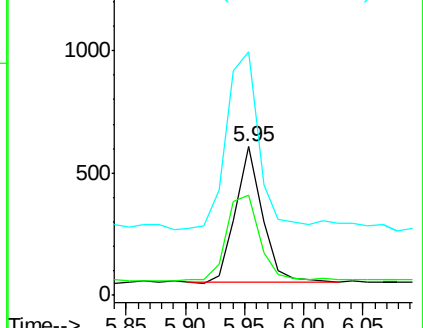
63 158.3 116.8 175.2



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: 0.049 ng

RT: 7.60 min Scan# 377

Delta R.T. 0.01 min

Lab File: BE094973.D

Acq: 11 Dec 2017 14:38

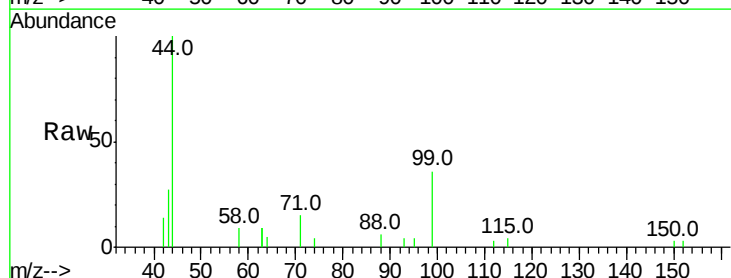
Tgt Ion: 99 Resp: 975

Ion Ratio Lower Upper

99 100

42 38.5 20.2 30.2#

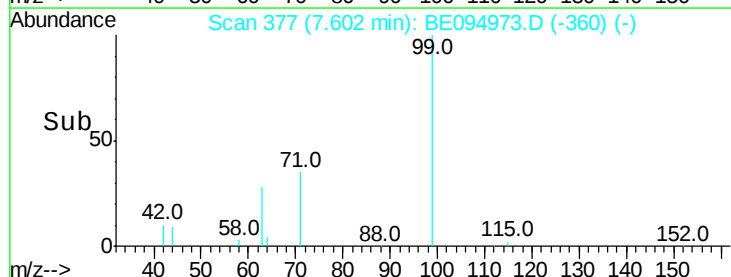
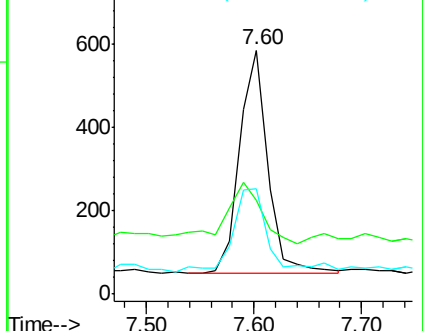
71 45.8 28.4 42.6#

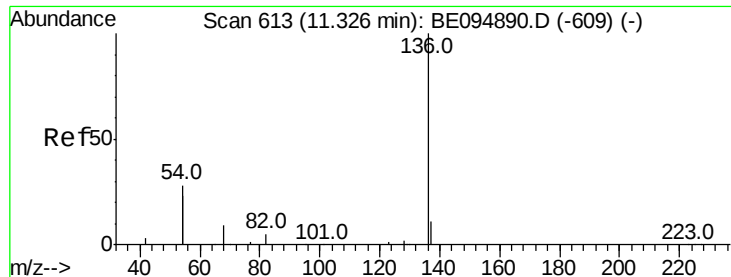


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: BE094973.D

Acq: 11 Dec 2017 14:38

Instrument :

BNA_E

ClientSampleId :

FT-PZ-460I-20171204DL

Tot Ion:136 Resp: 17708

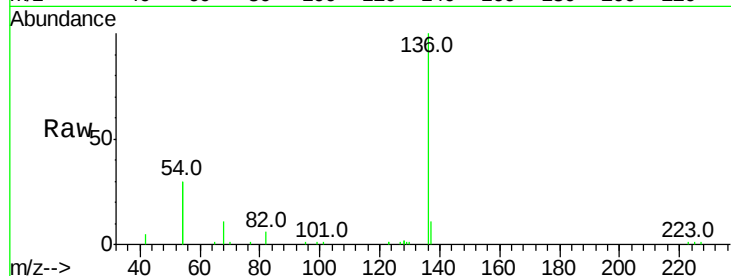
Ion Ratio Lower Upper

136 100

137 11.0 9.5 14.3

54 60.3 29.1 43.7#

68 10.7 6.2 9.2#

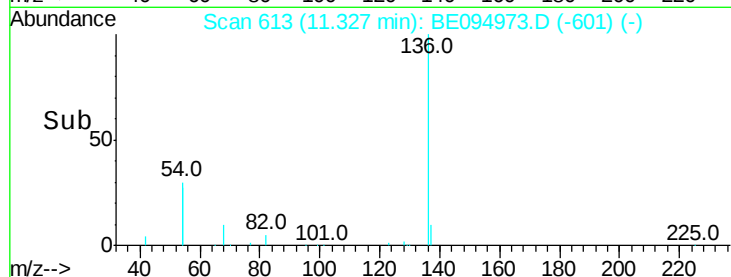


Abundance Ion 136.00 (135.70 to 136.70): E

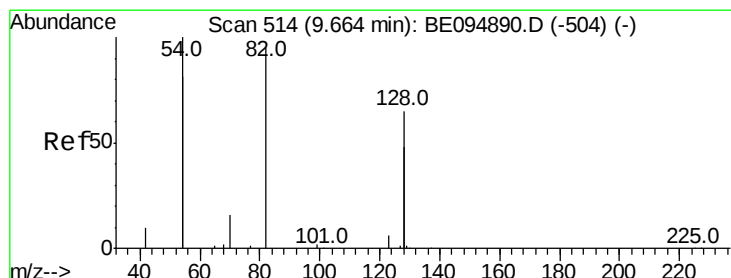
Ion 137.00 (136.70 to 137.70): E

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: 0.248 ng

RT: 9.66 min Scan# 514

Delta R.T. 0.00 min

Lab File: BE094973.D

Acq: 11 Dec 2017 14:38

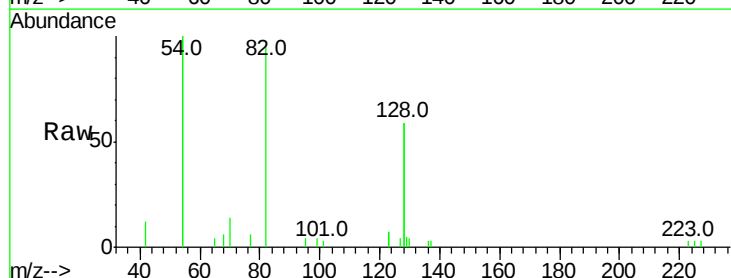
Tgt Ion: 82 Resp: 2605

Ion Ratio Lower Upper

82 100

128 122.8 150.0 225.0#

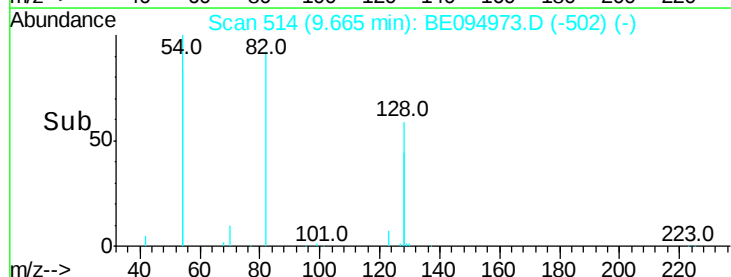
54 209.0 154.2 231.4



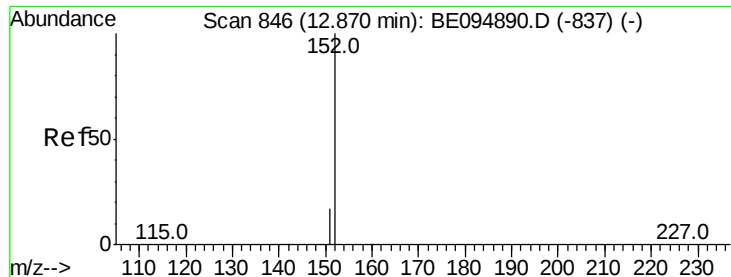
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



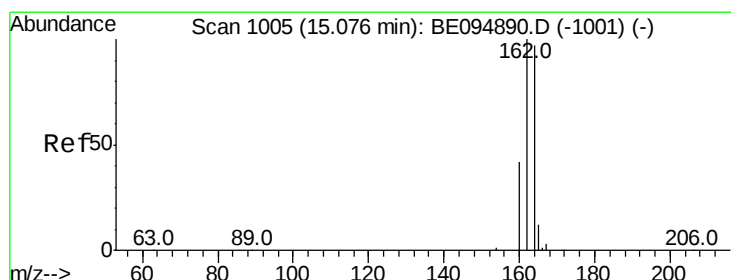
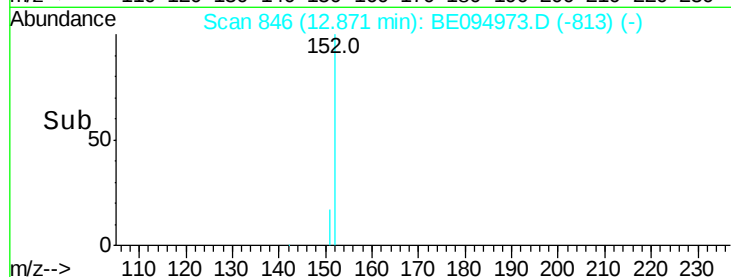
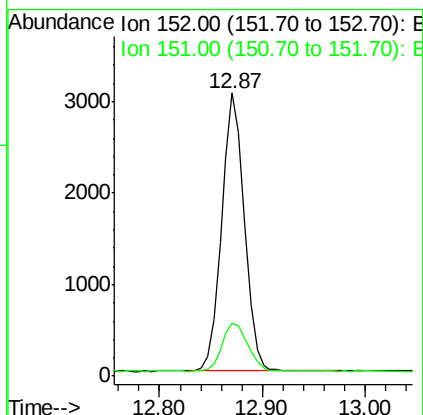
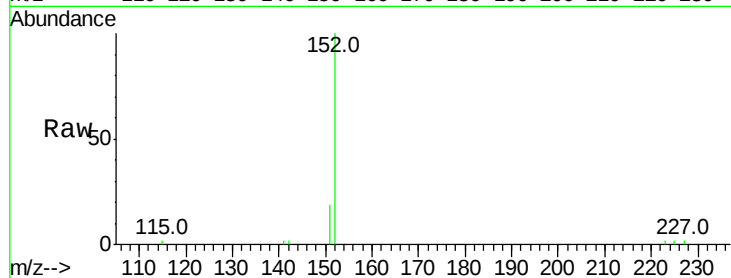
Time--> 9.60 9.70 9.80



#11
2-Methylnaphthalene-d10
Concen: 0.165 ng
RT: 12.87 min Scan# 846
Delta R.T. 0.00 min
Lab File: BE094973.D
Acq: 11 Dec 2017 14:38

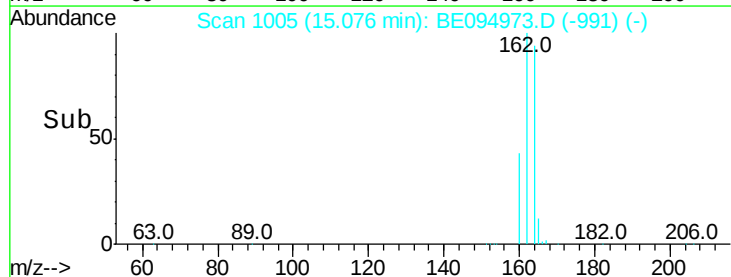
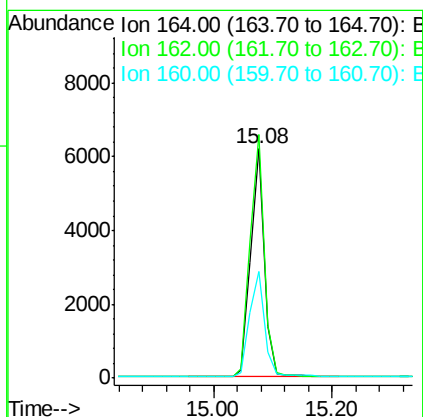
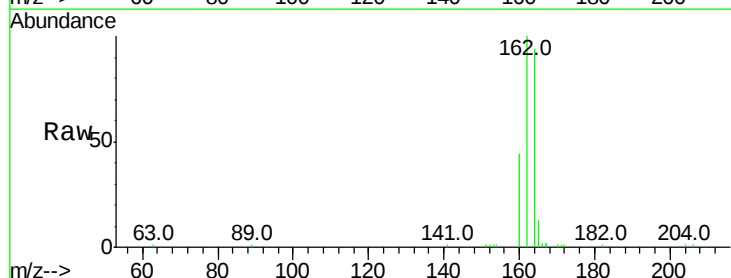
Instrument :
BNA_E
ClientSampleId :
FT-PZ-460I-20171204DL

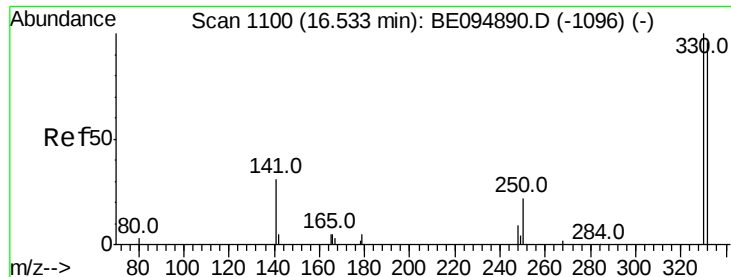
Tot Ion:152 Resp: 4649
Ion Ratio Lower Upper
152 100
151 19.8 15.4 23.0



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 15.08 min Scan# 1005
Delta R.T. 0.00 min
Lab File: BE094973.D
Acq: 11 Dec 2017 14:38

Tgt Ion:164 Resp: 9687
Ion Ratio Lower Upper
164 100
162 106.2 83.1 124.7
160 46.5 37.1 55.7





#14

2,4,6-Tribromophenol

Concen: 0.258 ng

RT: 16.55 min Scan# 1101

Delta R.T. 0.02 min

Lab File: BE094973.D

Acq: 11 Dec 2017 14:38

Instrument :

BNA_E

ClientSampleId :

FT-PZ-460I-20171204DL

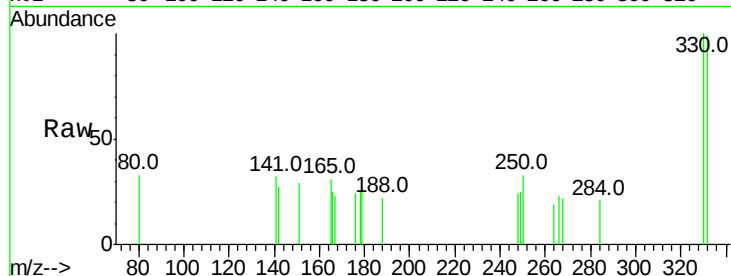
Tot Ion:330 Resp: 390

Ion Ratio Lower Upper

330 100

332 91.3 152.7 229.1#

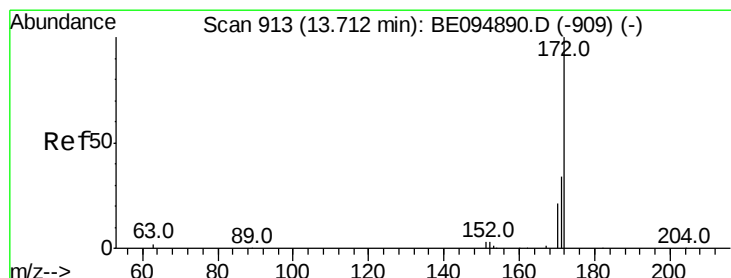
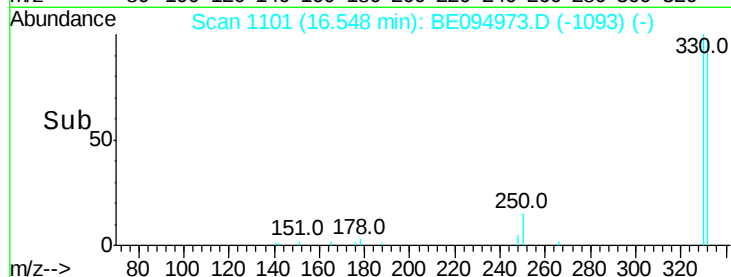
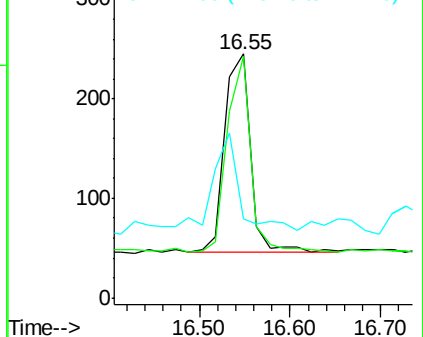
141 49.2 33.7 50.5



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: 0.293 ng

RT: 13.71 min Scan# 913

Delta R.T. 0.00 min

Lab File: BE094973.D

Acq: 11 Dec 2017 14:38

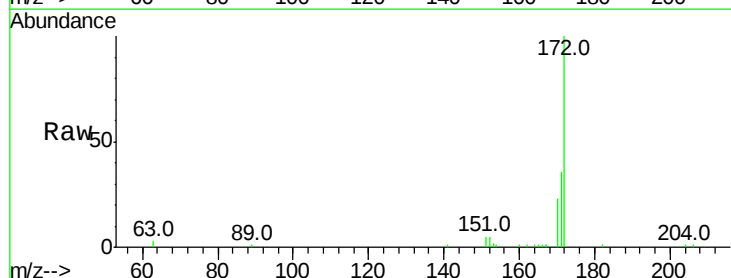
Tgt Ion:172 Resp: 12148

Ion Ratio Lower Upper

172 100

171 35.7 29.9 44.9

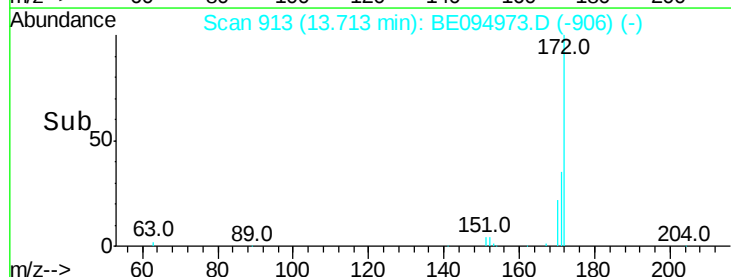
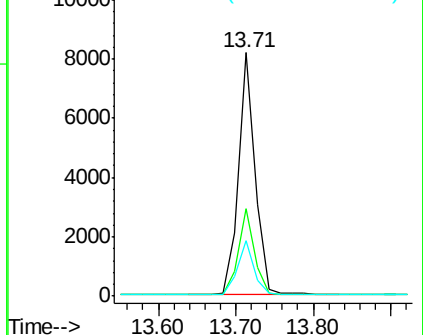
170 22.9 21.8 32.8

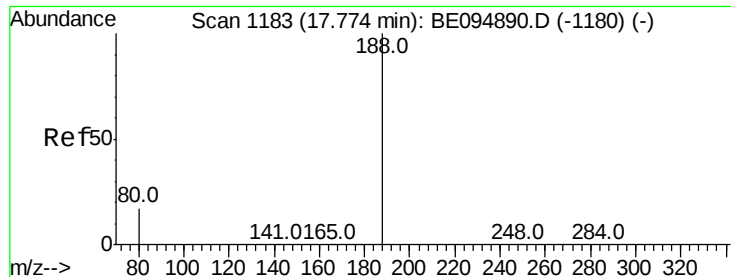


Abundance Ion 172.00 (171.70 to 172.70): E

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: 17.79 min Scan# 1184

Delta R.T. 0.02 min

Lab File: BE094973.D

Acq: 11 Dec 2017 14:38

Instrument :

BNA_E

ClientSampleId :

FT-PZ-460I-20171204DL

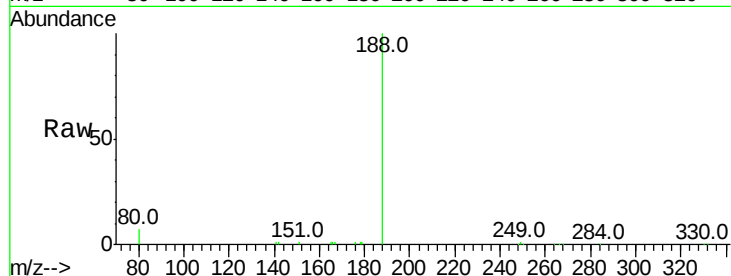
Tot Ion:188 Resp: 24723

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

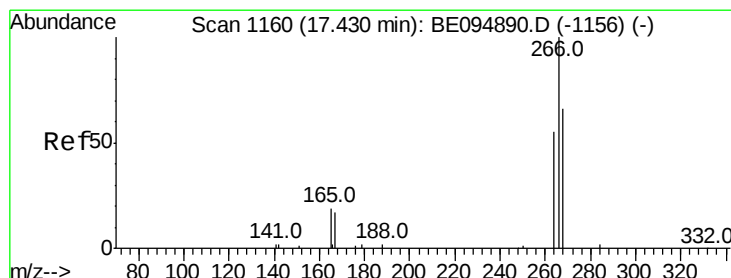
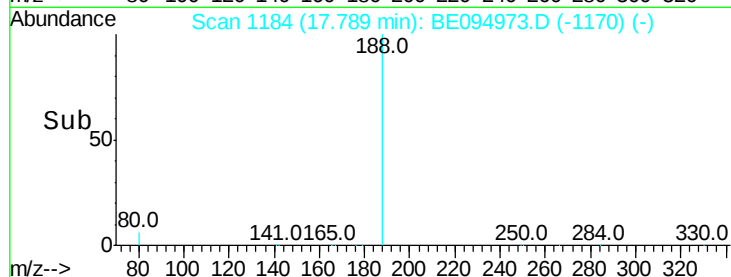
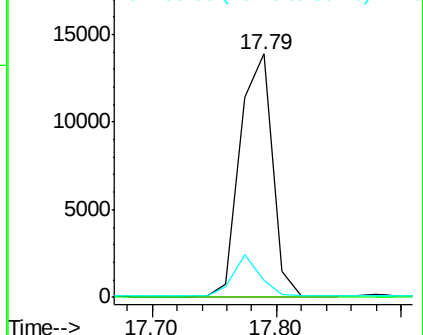
80 6.9 3.6 5.4#



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: 0.165 ng

RT: 17.43 min Scan# 1160

Delta R.T. 0.00 min

Lab File: BE094973.D

Acq: 11 Dec 2017 14:38

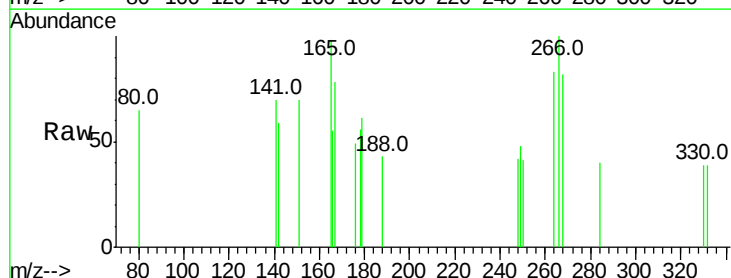
Tgt Ion:266 Resp: 141

Ion Ratio Lower Upper

266 100

264 82.9 72.5 108.7

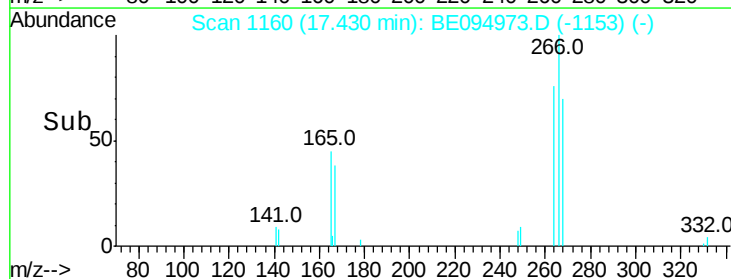
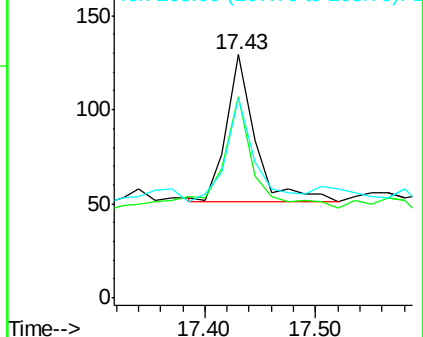
268 82.2 73.8 110.6

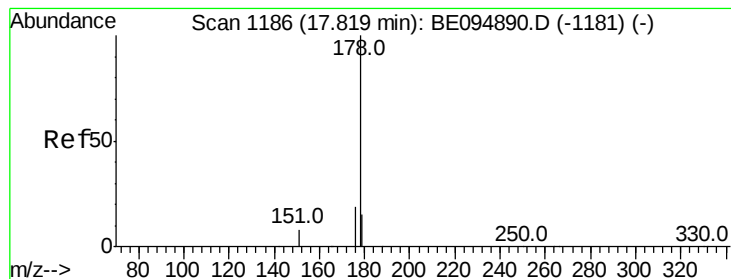


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.033 ng

RT: 17.82 min Scan# 1186

Delta R.T. 0.00 min

Lab File: BE094973.D

Acq: 11 Dec 2017 14:38

Instrument :

BNA_E

ClientSampleId :

FT-PZ-460I-20171204DL

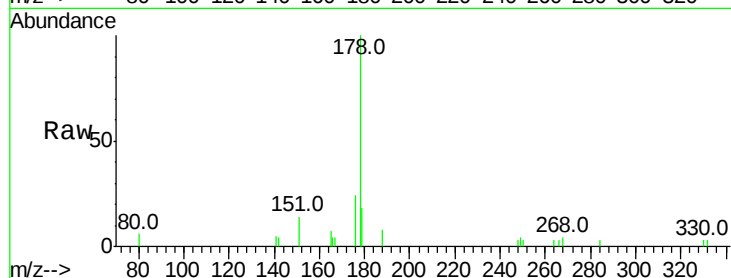
Tot Ion:178 Resp: 2604

Ion Ratio Lower Upper

178 100

176 23.7 15.1 22.7#

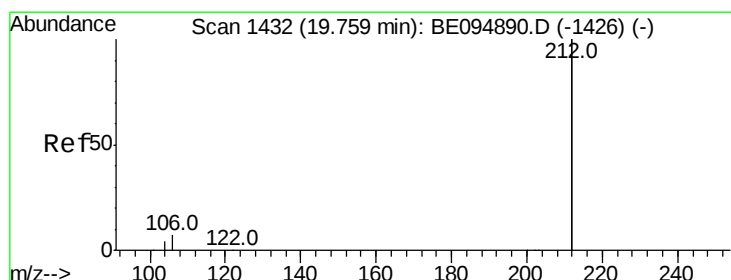
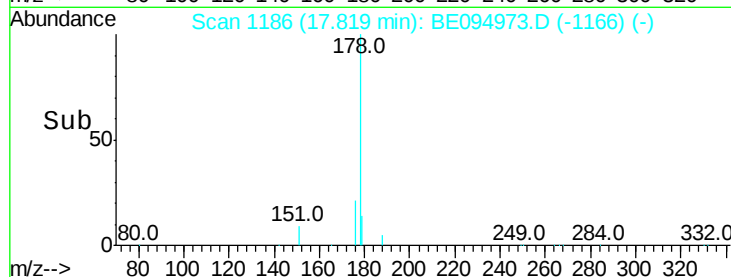
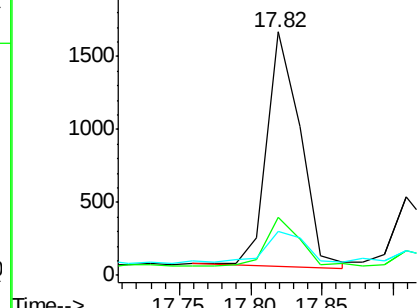
179 15.7 11.8 17.6



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: 0.154 ng

RT: 19.77 min Scan# 1433

Delta R.T. 0.01 min

Lab File: BE094973.D

Acq: 11 Dec 2017 14:38

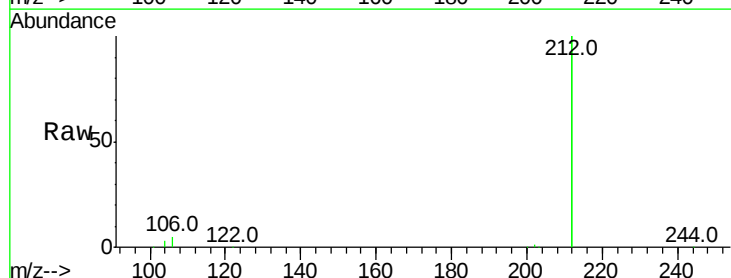
Tgt Ion:212 Resp: 51867

Ion Ratio Lower Upper

212 100

106 3.4 2.8 4.2

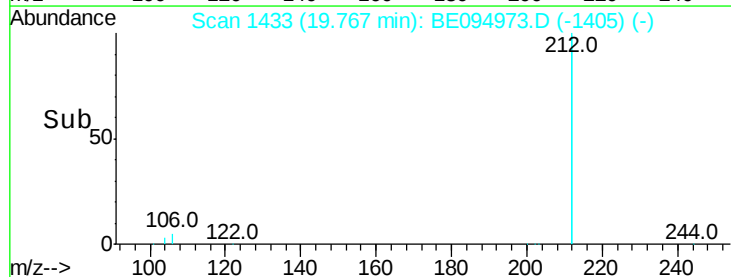
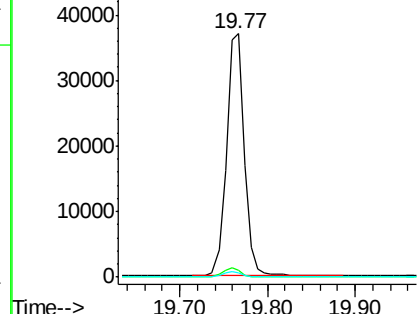
104 2.1 1.6 2.4

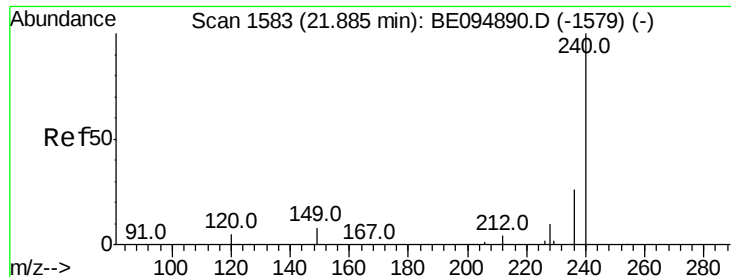


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

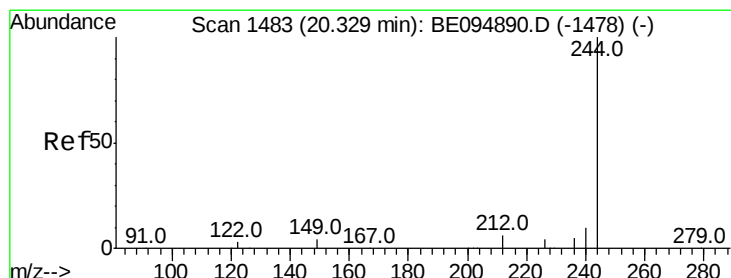
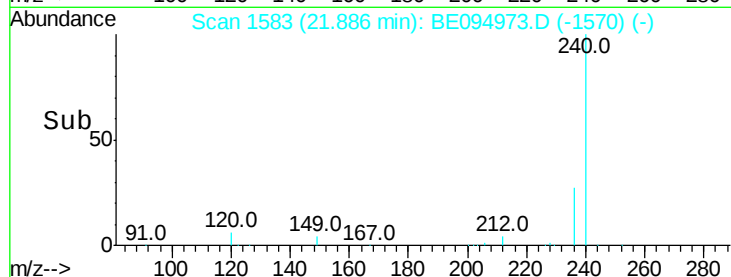
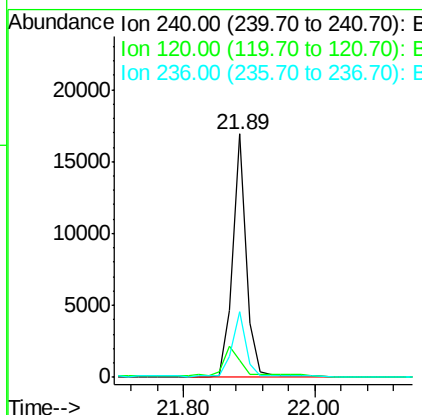
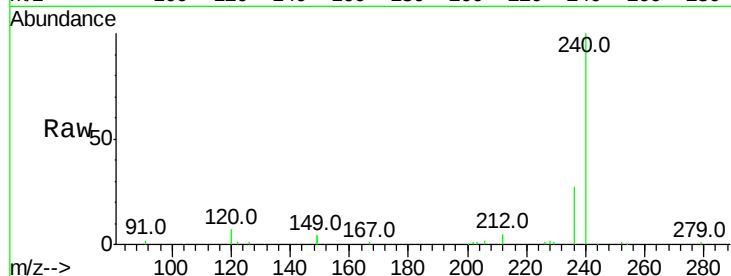




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.89 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: BE094973.D
 Acq: 11 Dec 2017 14:38

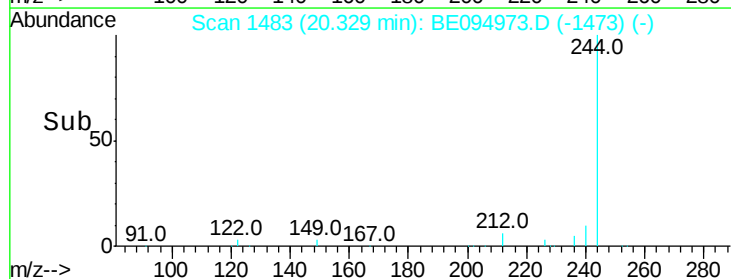
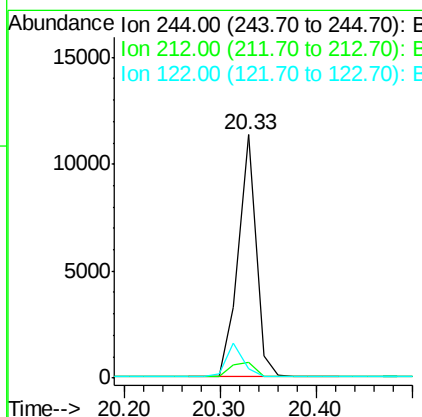
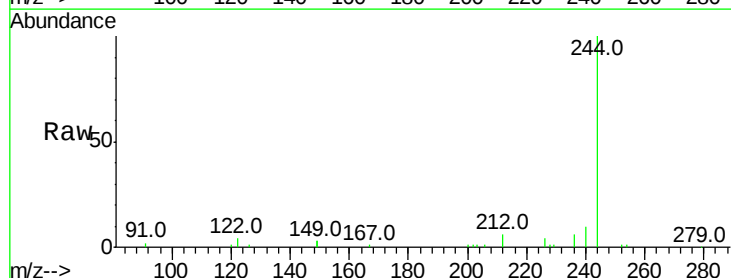
Instrument :
 BNA_E
 ClientSampleId :
 FT-PZ-460I-20171204DL

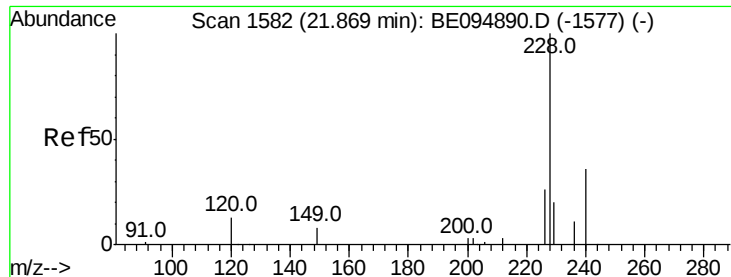
Tot Ion:240 Resp: 26029
 Ion Ratio Lower Upper
 240 100
 120 6.8 5.5 8.3
 236 26.9 20.7 31.1



#29
 Terphenyl-d14
 Concen: 0.305 ng
 RT: 20.33 min Scan# 1483
 Delta R.T. 0.00 min
 Lab File: BE094973.D
 Acq: 11 Dec 2017 14:38

Tgt Ion:244 Resp: 14674
 Ion Ratio Lower Upper
 244 100
 212 6.3 25.4 38.0#
 122 4.0 8.1 12.1#





#30

Benzo(a)anthracene

Concen: 0.027 ng

RT: 21.87 min Scan# 1582

Delta R.T. 0.00 min

Lab File: BE094973.D

Acq: 11 Dec 2017 14:38

Instrument :

BNA_E

ClientSampleId :

FT-PZ-460I-20171204DL

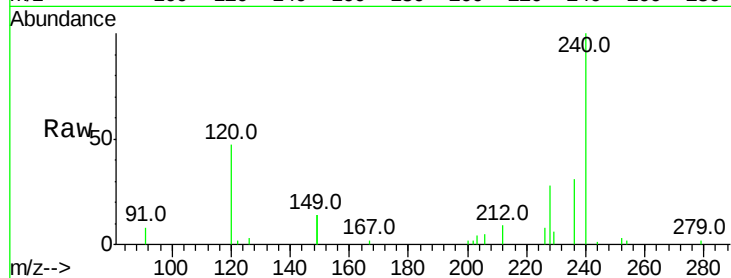
Tot Ion:228 Resp: 2154

Ion Ratio Lower Upper

228 100

226 30.5 40.0 60.0#

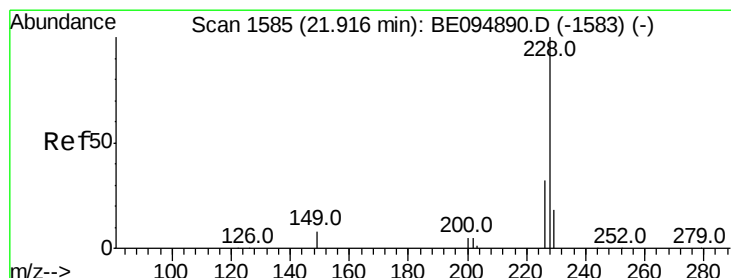
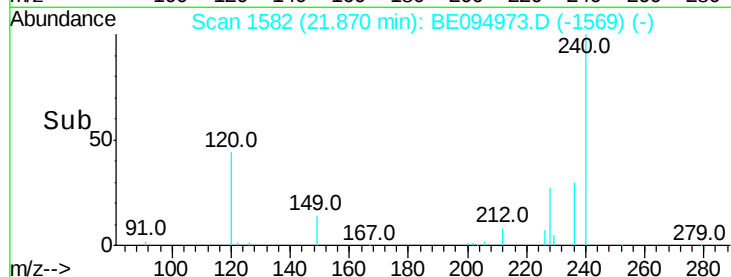
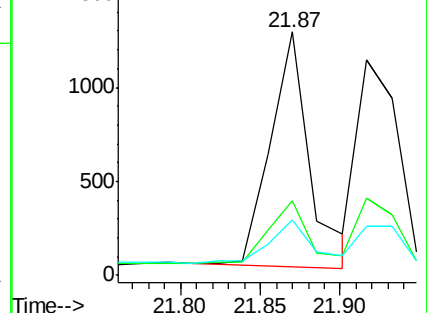
229 22.9 40.0 60.0#



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: 0.028 ng

RT: 21.92 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BE094973.D

Acq: 11 Dec 2017 14:38

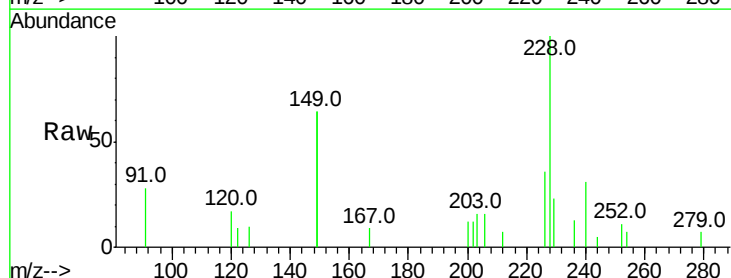
Tgt Ion:228 Resp: 2456

Ion Ratio Lower Upper

228 100

226 35.8 40.0 60.0#

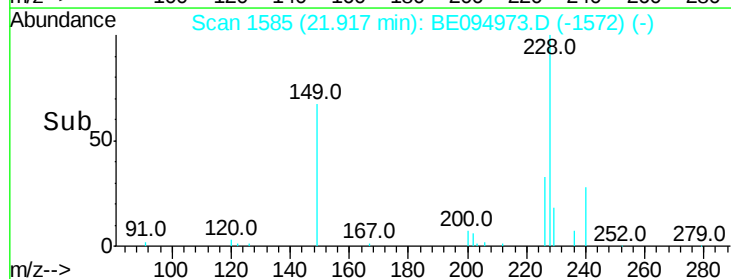
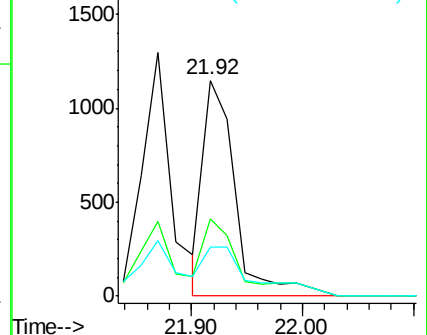
229 23.0 40.0 60.0#

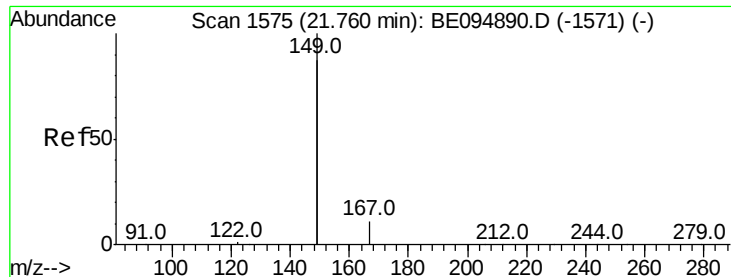


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.030 ng

RT: 21.75 min Scan# 1574

Delta R.T. -0.02 min

Lab File: BE094973.D

Acq: 11 Dec 2017 14:38

Instrument :

BNA_E

ClientSampleId :

FT-PZ-460I-20171204DL

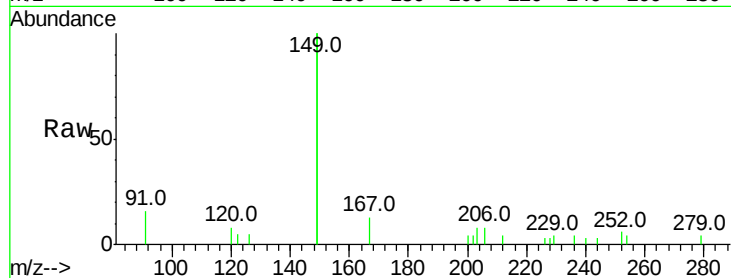
Tot Ion:149 Resp: 3944

Ion Ratio Lower Upper

149 100

167 6.7 5.4 8.0

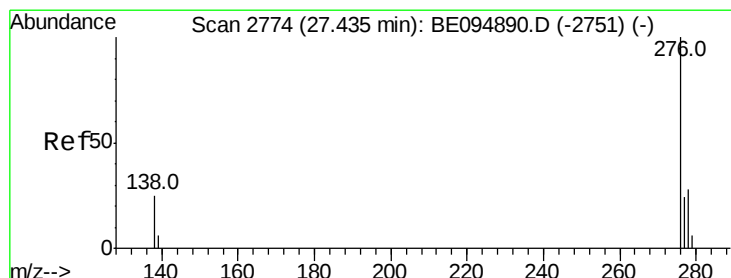
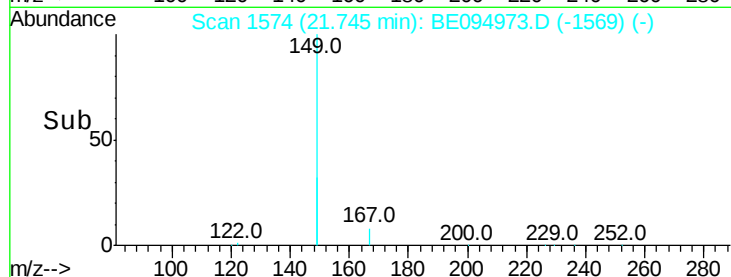
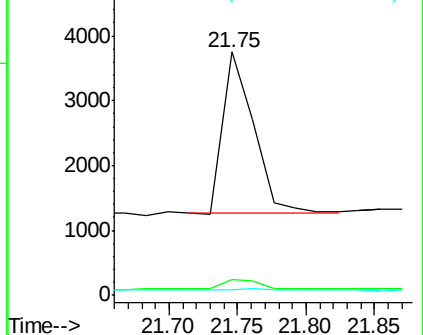
279 0.9 0.7 1.1



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: 0.024 ng

RT: 27.44 min Scan# 2775

Delta R.T. 0.00 min

Lab File: BE094973.D

Acq: 11 Dec 2017 14:38

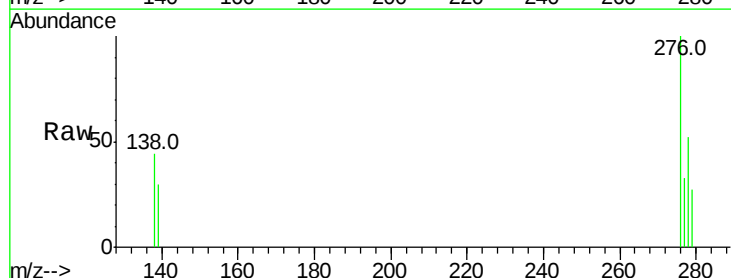
Tgt Ion:276 Resp: 1727

Ion Ratio Lower Upper

276 100

138 30.3 22.5 33.7

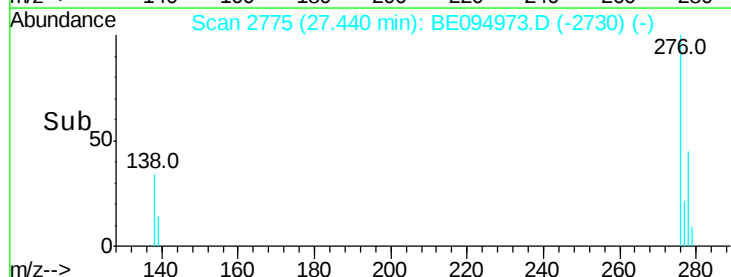
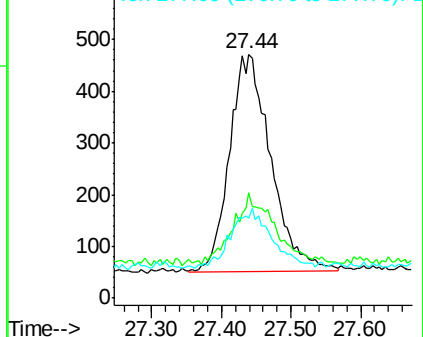
277 26.1 19.9 29.9

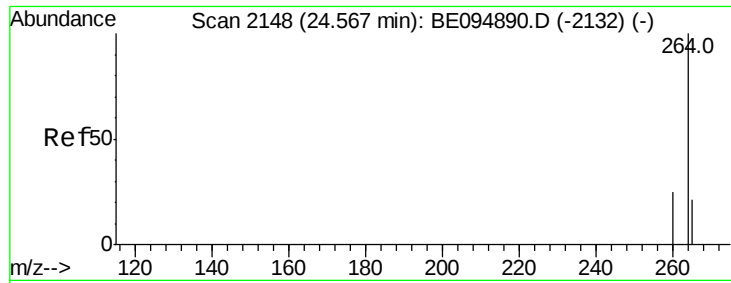


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

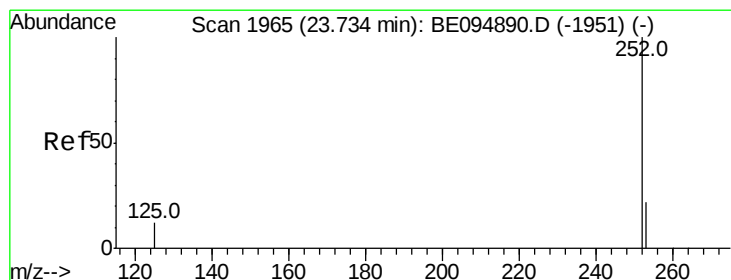
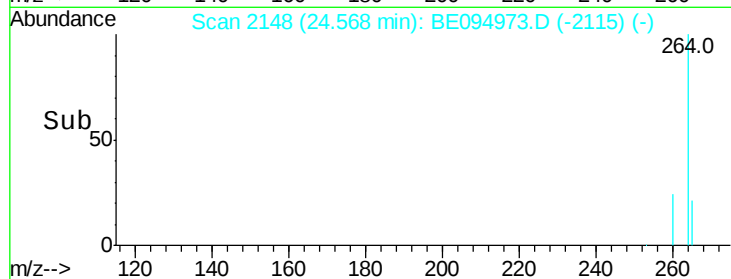
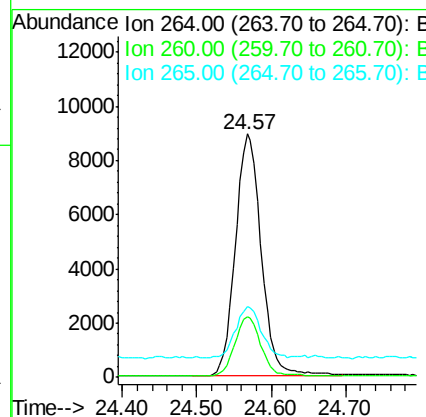
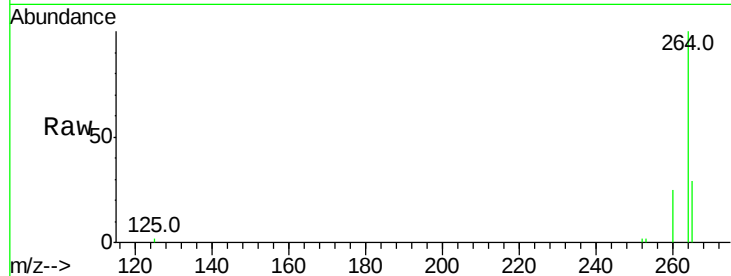




#34
Pervlene-d12
Concen: 0.400 ng
RT: 24.57 min Scan# 2148
Delta R.T. 0.00 min
Lab File: BE094973.D
Acq: 11 Dec 2017 14:38

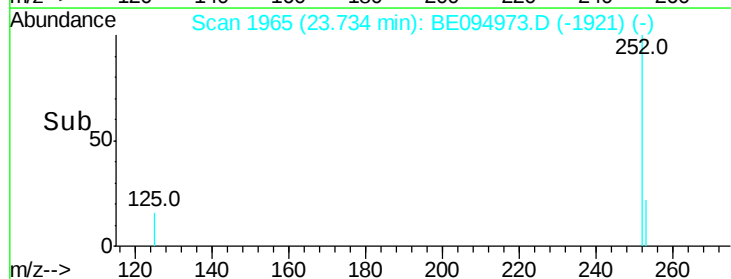
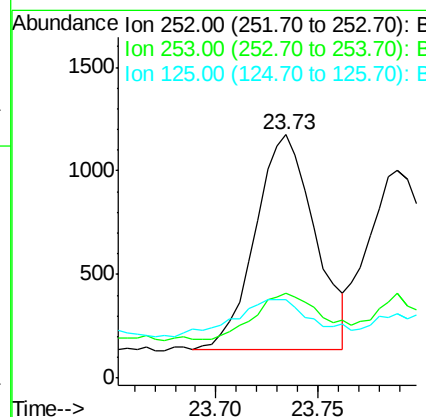
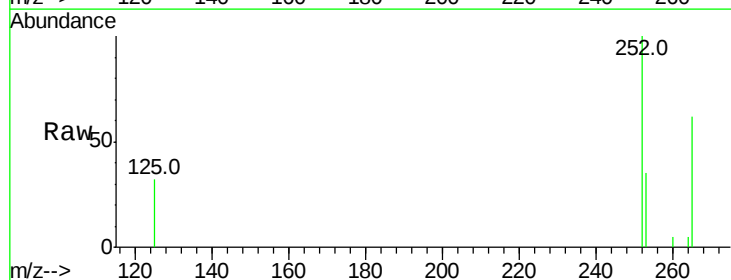
Instrument :
BNA_E
ClientSampleId :
FT-PZ-460I-20171204DL

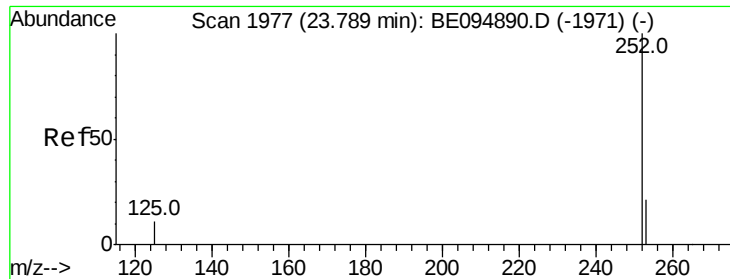
Tot Ion:264 Resp: 21365
Ion Ratio Lower Upper
264 100
260 24.8 20.5 30.7
265 29.2 22.8 34.2



#35
Benzo(b)fluoranthene
Concen: 0.027 ng
RT: 23.73 min Scan# 1965
Delta R.T. 0.00 min
Lab File: BE094973.D
Acq: 11 Dec 2017 14:38

Tgt Ion:252 Resp: 2091
Ion Ratio Lower Upper
252 100
253 34.8 48.0 72.0#
125 32.2 56.0 84.0#





#36

Benzo(k)fluoranthene

Concen: 0.023 ng

RT: 23.79 min Scan# 1977

Delta R.T. 0.00 min

Lab File: BE094973.D

Acq: 11 Dec 2017 14:38

Instrument :

BNA_E

ClientSampleId :

FT-PZ-460I-20171204DL

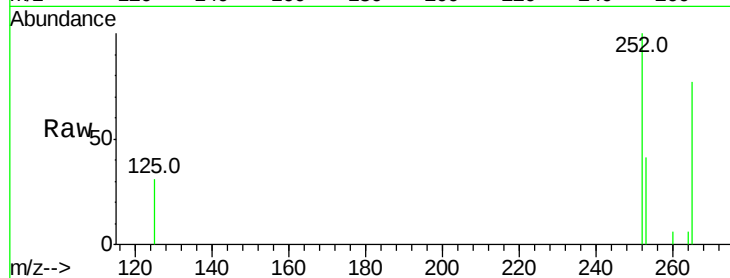
Tot Ion:252 Resp: 1835

Ion Ratio Lower Upper

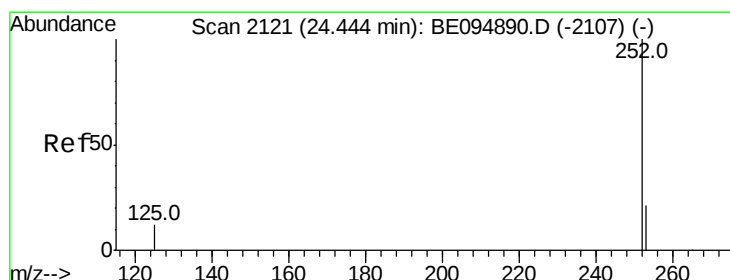
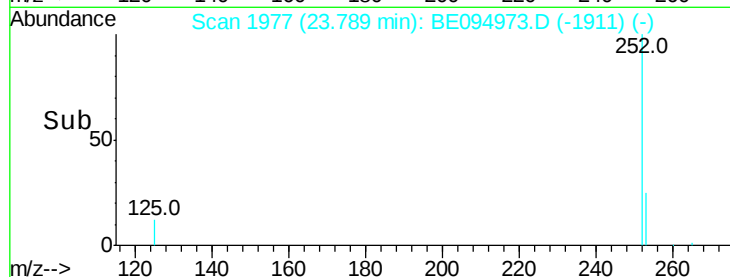
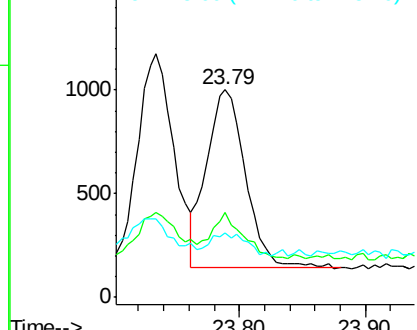
252 100

253 40.9 48.0 72.0#

125 31.3 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



#37

Benzo(a)pyrene

Concen: 0.023 ng

RT: 24.44 min Scan# 2121

Delta R.T. 0.00 min

Lab File: BE094973.D

Acq: 11 Dec 2017 14:38

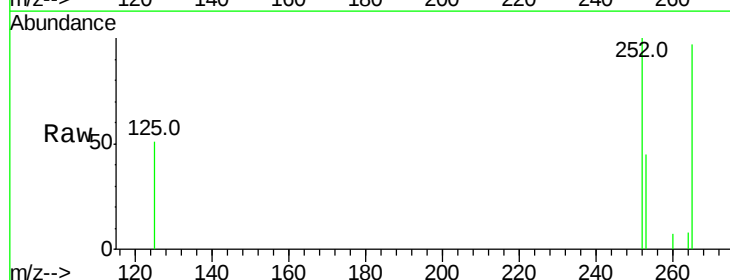
Tgt Ion:252 Resp: 1597

Ion Ratio Lower Upper

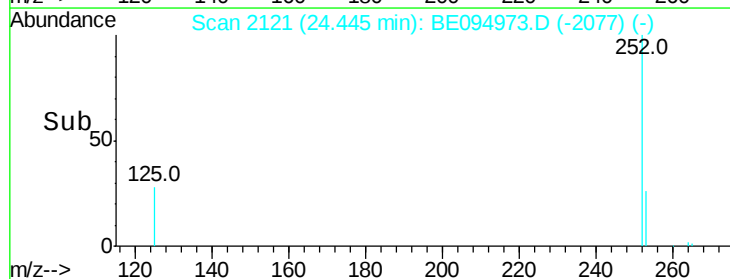
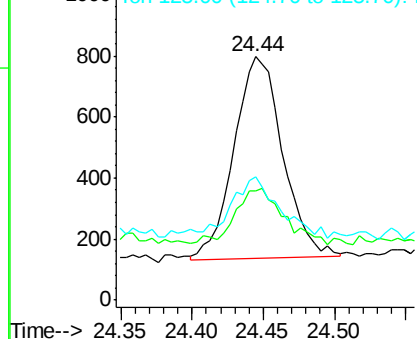
252 100

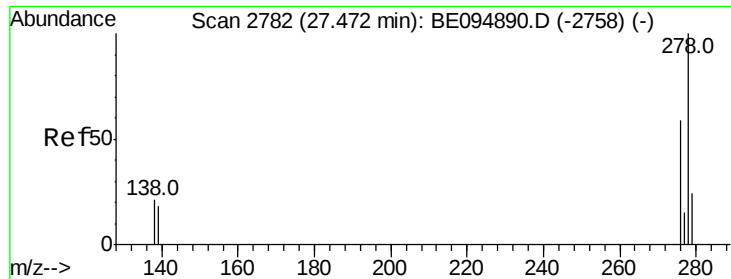
253 44.7 52.0 78.0#

125 50.8 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: 0.022 ng

RT: 27.48 min Scan# 2783

Delta R.T. 0.00 min

Lab File: BE094973.D

Acq: 11 Dec 2017 14:38

Instrument :

BNA_E

ClientSampleId :

FT-PZ-460I-20171204DL

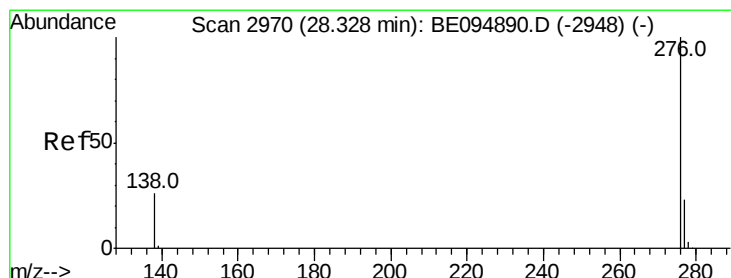
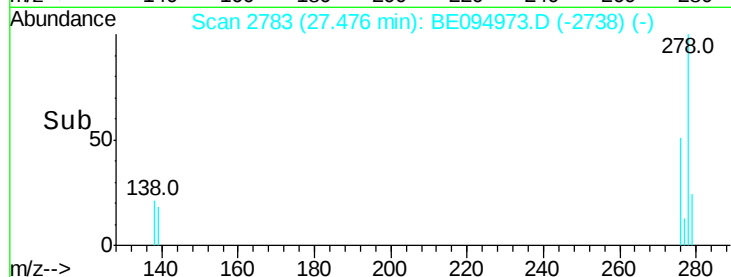
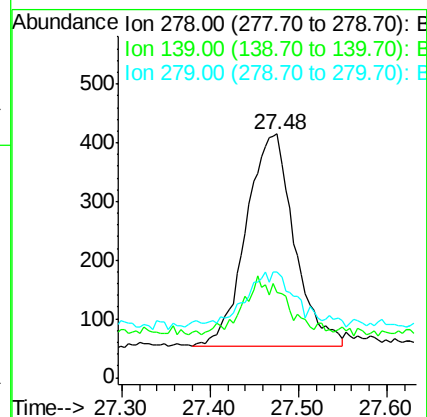
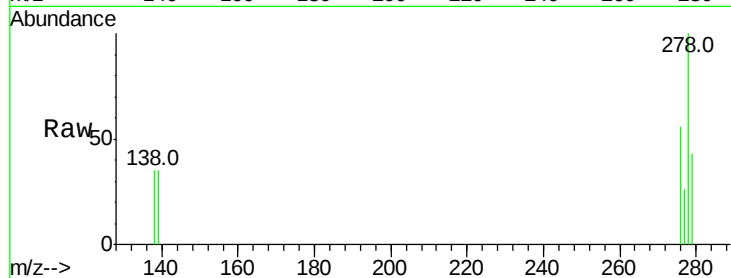
Tot Ion:278 Resp: 1368

Ion Ratio Lower Upper

278 100

139 34.9 56.0 84.0#

279 43.1 52.0 78.0#



#39

Benzo(g,h,i)perylene

Concen: 0.025 ng

RT: 28.33 min Scan# 2971

Delta R.T. 0.00 min

Lab File: BE094973.D

Acq: 11 Dec 2017 14:38

Tgt Ion:276 Resp: 1557

Ion Ratio Lower Upper

276 100

277 32.6 52.0 78.0#

138 31.7 44.0 66.0#

