

Data Path : Z:\HPCHEM1\BNA E\DATA\BE120817\
 Data File : BE094956.D
 Acq On : 8 Dec 2017 19:32
 Operator : SJ/JU
 Sample : I6740-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Dec 09 00:27:54 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	7462	0.40	ng	0.00
7) Naphthalene-d8	11.33	136	16016	0.40	ng	0.00
13) Acenaphthene-d10	15.07	164	9024	0.40	ng	0.00
19) Phenanthrene-d10	17.77	188	21906	0.40	ng	0.00
27) Chrysene-d12	21.89	240	23001	0.40	ng	0.00
34) Perylene-d12	24.56	264	18807	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.95	112	1791	0.15	ng	0.00
5) Phenol-d6	7.60	99	2058	0.12	ng	0.00
8) Nitrobenzene-d5	9.66	82	5381	0.57	ng	0.00
11) 2-Methylnaphthalene-d10	12.86	152	9825	0.38	ng	0.00
14) 2,4,6-Tribromophenol	16.53	330	825	0.44	ng	0.00
15) 2-Fluorobiphenyl	13.71	172	21920	0.57	ng	0.00
25) Fluoranthene-d10	19.76	212	113024	0.38	ng	0.00
29) Terphenyl-d14	20.33	244	27509	0.65	ng	0.00

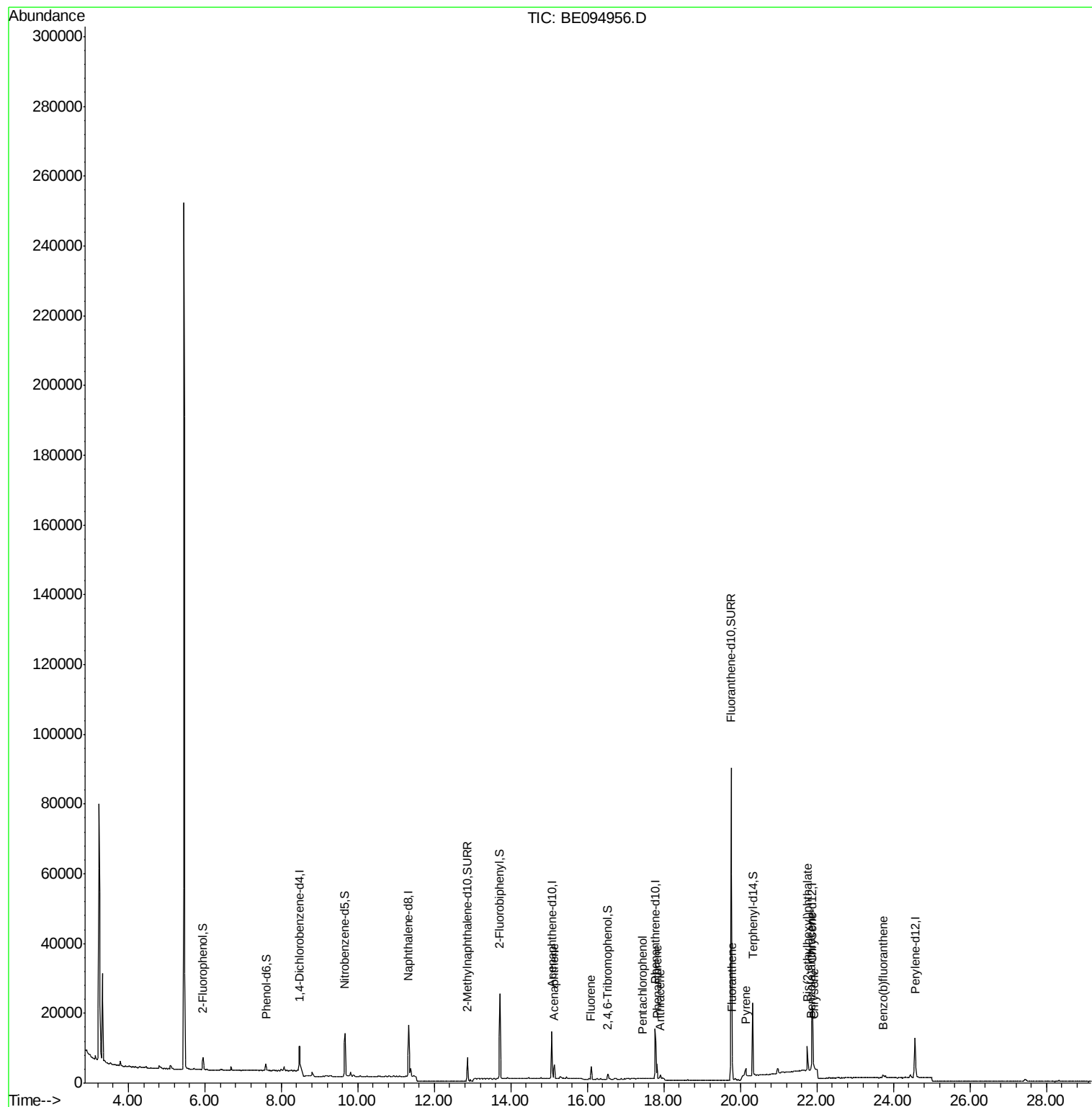
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
17) Acenaphthene	15.13	154	2042	0.062	ng	90
18) Fluorene	16.10	166	2517	0.060	ng	# 78
22) Pentachlorophenol	17.43	266	29	0.141	ng	97
23) Phenanthrene	17.82	178	4493	0.064	ng	# 93
24) Anthracene	17.91	178	2022	0.027	ng	# 62
26) Fluoranthene	19.79	202	3739	0.042	ng	# 95
28) Pyrene	20.14	202	3031	0.038	ng	# 93
30) Benzo(a)anthracene	21.85	228	1439	0.020	ng	# 73
31) Chrysene	21.92	228	2051	0.026	ng	# 72
32) Bis(2-ethylhexyl)phthalate	21.75	149	9175	0.078	ng	99
35) Benzo(b)fluoranthene	23.73	252	1460	0.021	ng	# 77

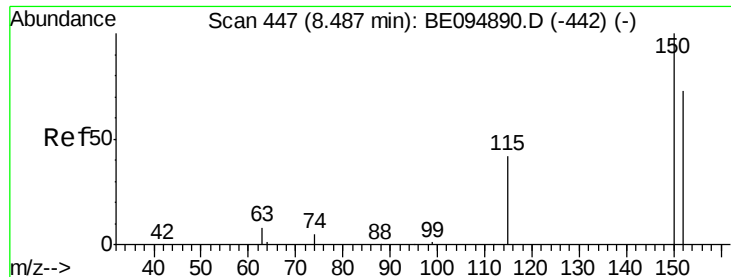
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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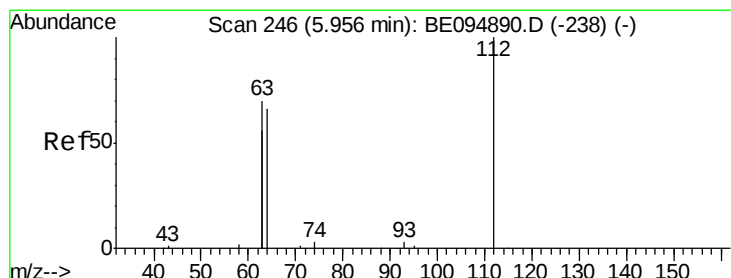
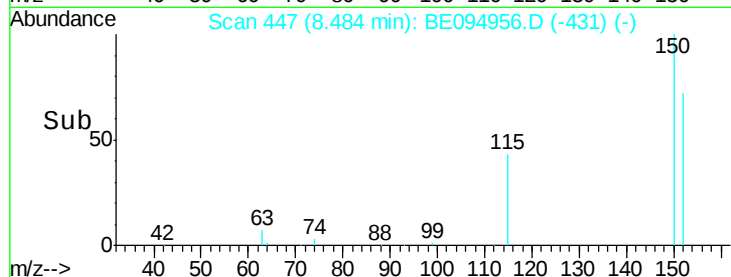
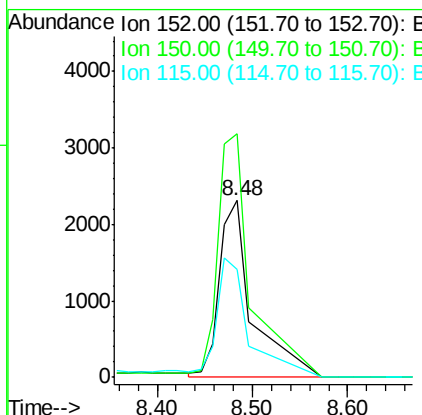
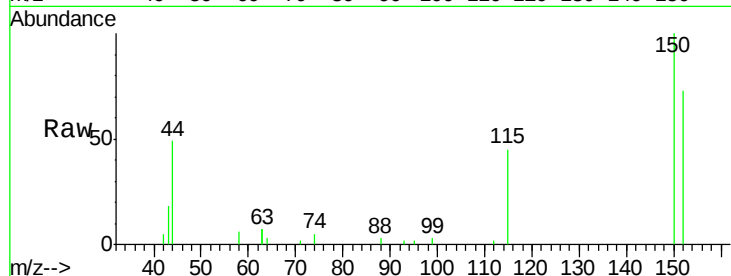


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.48 min Scan# 447
Delta R.T. -0.00 min
Lab File: BE094956.D
Acq: 8 Dec 2017 19:32

Instrument :
BNA_E
ClientSampleId :

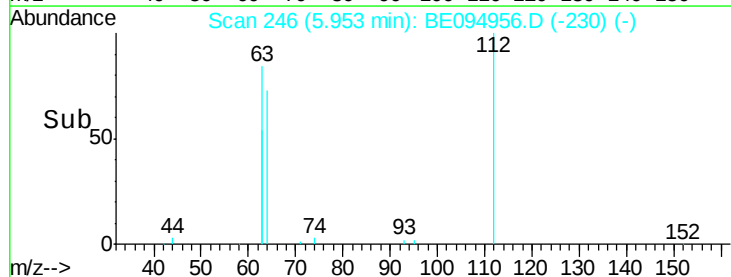
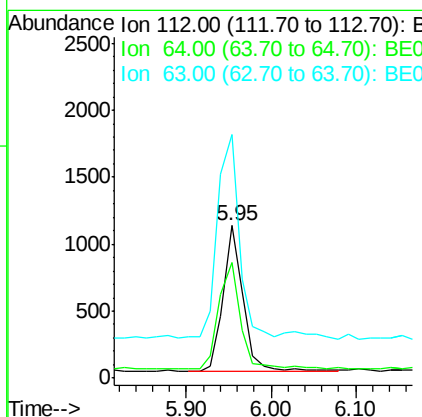
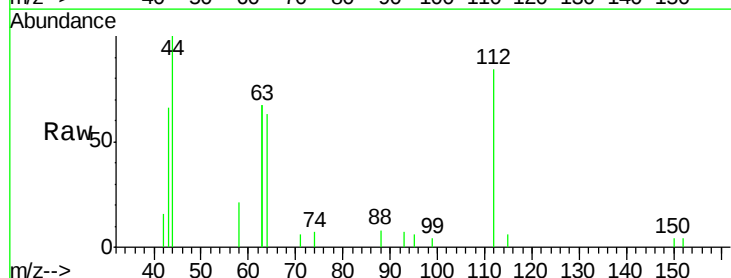
Tot Ion:152 Resp: 7462
Ion Ratio Lower Upper
152 100
150 137.6 117.2 175.8
115 61.4 57.0 85.6

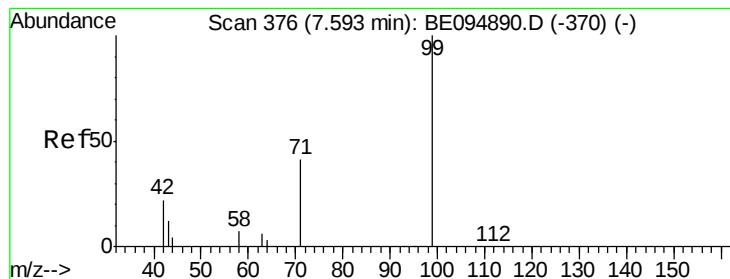


#4

2-Fluorophenol
Concen: 0.152 ng
RT: 5.95 min Scan# 246
Delta R.T. -0.00 min
Lab File: BE094956.D
Acq: 8 Dec 2017 19:32

Tgt Ion:112 Resp: 1791
Ion Ratio Lower Upper
112 100
64 75.9 60.1 90.1
63 156.2 116.8 175.2





#5

Phenol-d6

Concen: 0.118 ng

RT: 7.60 min Scan# 377

Delta R.T. 0.01 min

Lab File: BE094956.D

Acq: 8 Dec 2017 19:32

Instrument :

BNA_E

ClientSampled :

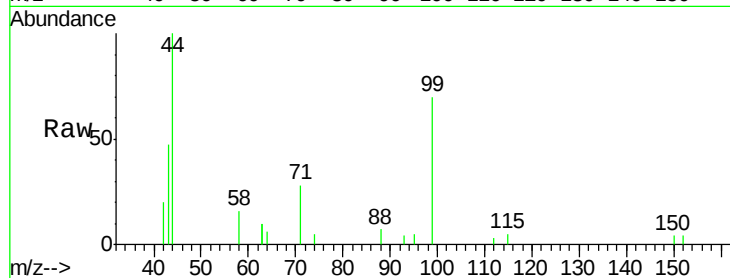
Tot Ion: 99 Resp: 2058

Ion Ratio Lower Upper

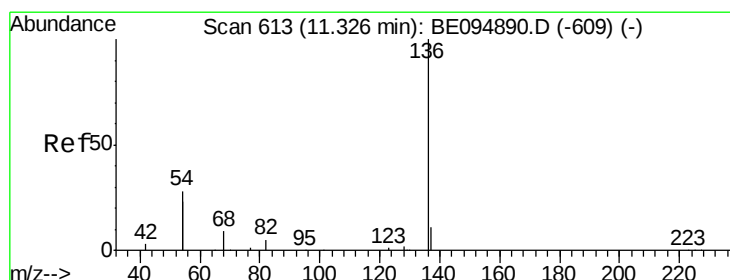
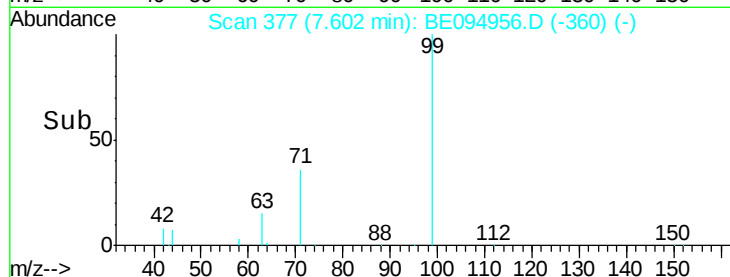
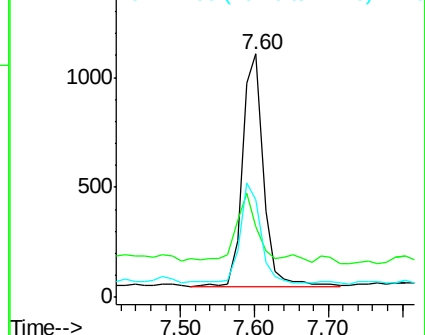
99 100

42 31.6 20.2 30.2#

71 42.4 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: BE094956.D

Acq: 8 Dec 2017 19:32

Tgt Ion: 136 Resp: 16016

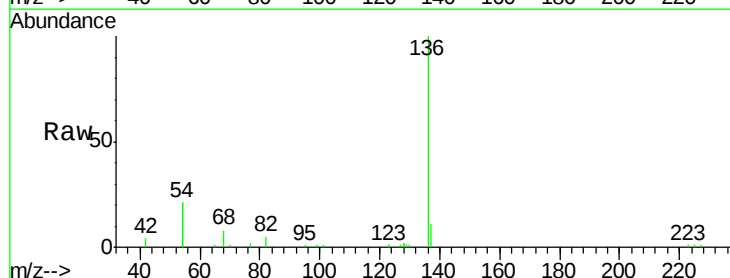
Ion Ratio Lower Upper

136 100

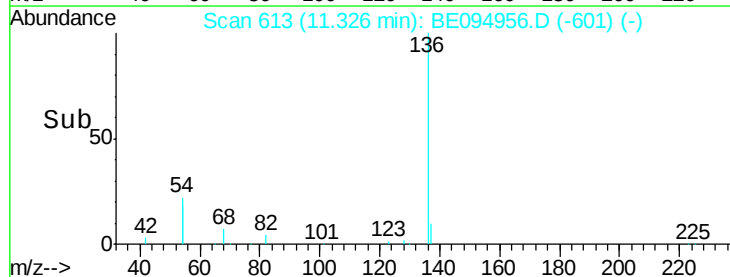
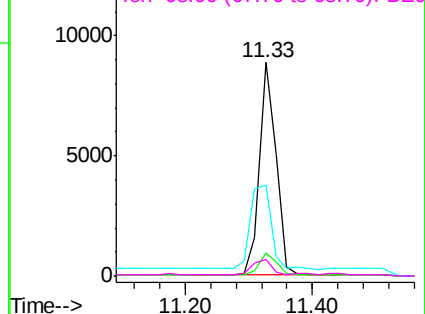
137 10.8 9.5 14.3

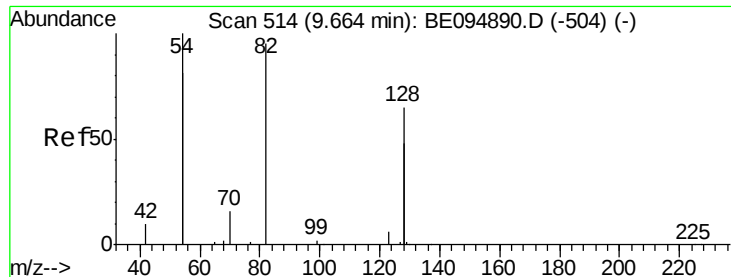
54 42.8 29.1 43.7

68 8.0 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: 0.568 ng

RT: 9.66 min Scan# 514

Delta R.T. -0.00 min

Lab File: BE094956.D

Acq: 8 Dec 2017 19:32

Instrument :

BNA_E

ClientSampleId :

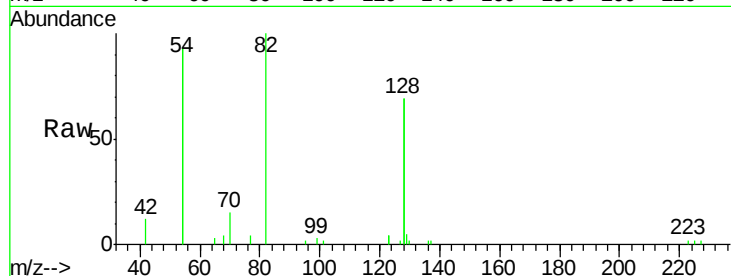
Tot Ion: 82 Resp: 5381

Ion Ratio Lower Upper

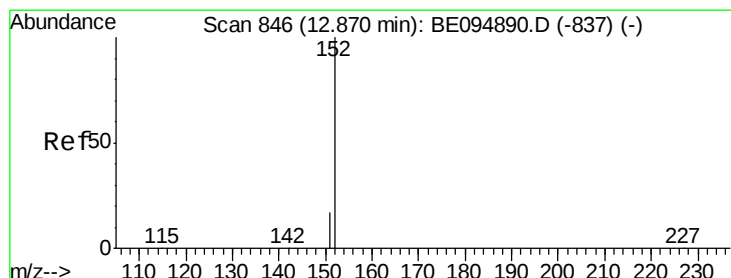
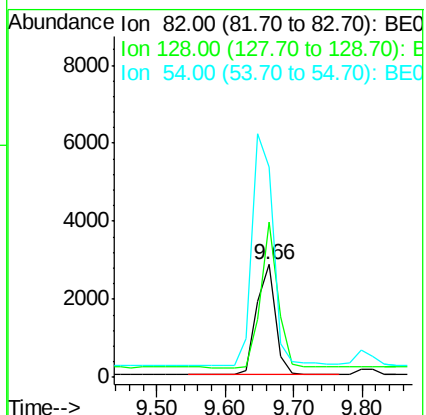
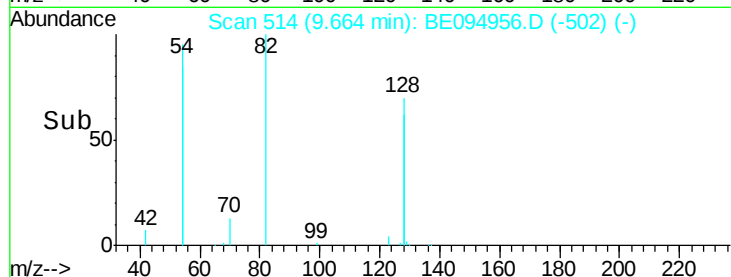
82 100

128 137.3 150.0 225.0#

54 186.1 154.2 231.4



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): BE0
Ion 54.00 (53.70 to 54.70): BE0



#11

2-Methylnaphthalene-d10

Concen: 0.384 ng

RT: 12.86 min Scan# 845

Delta R.T. -0.01 min

Lab File: BE094956.D

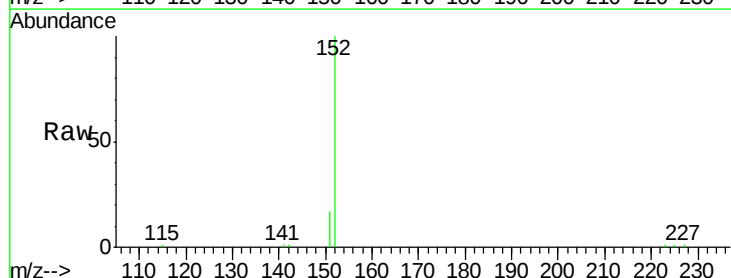
Acq: 8 Dec 2017 19:32

Tgt Ion: 152 Resp: 9825

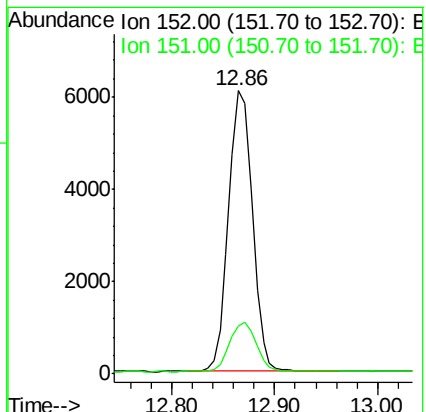
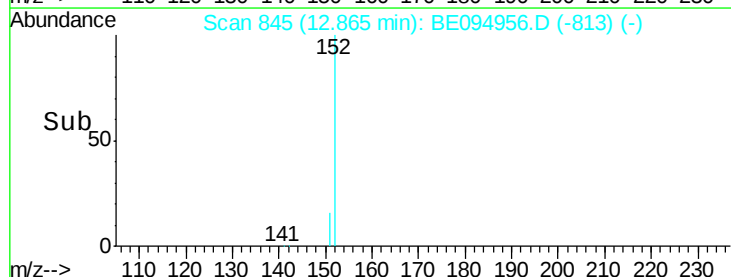
Ion Ratio Lower Upper

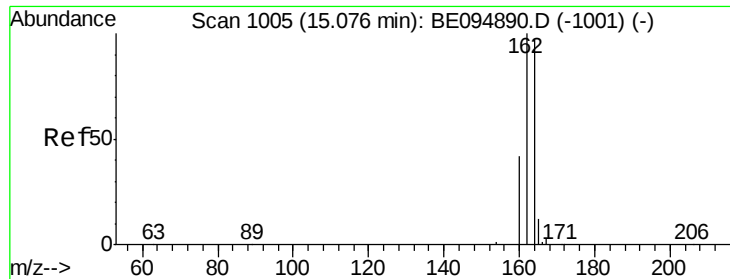
152 100

151 19.6 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.07 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BE094956.D

Acq: 8 Dec 2017 19:32

Instrument :

BNA_E

ClientSampleId :

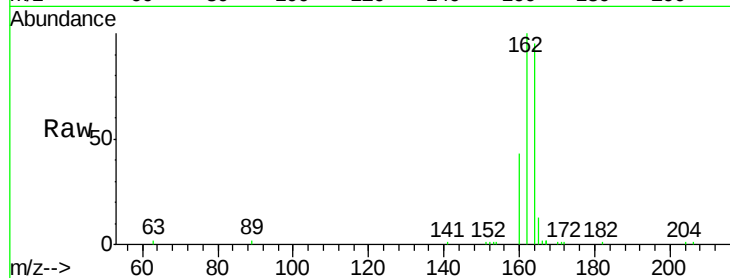
Tot Ion:164 Resp: 9024

Ion Ratio Lower Upper

164 100

162 105.0 83.1 124.7

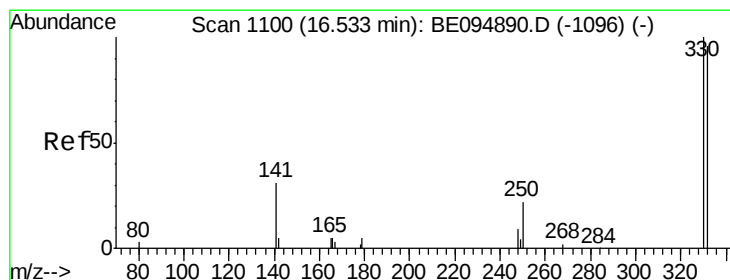
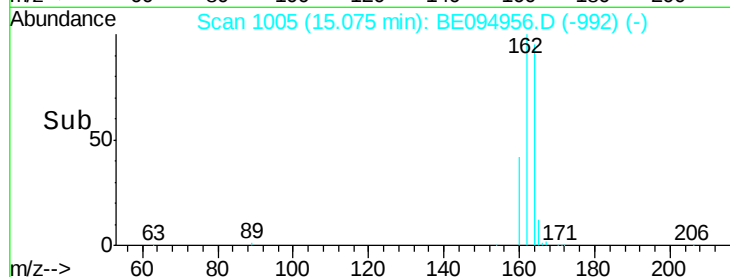
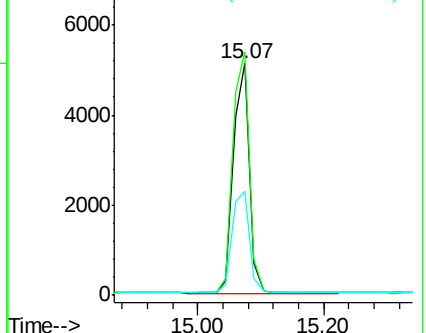
160 44.8 37.1 55.7



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: 0.442 ng

RT: 16.53 min Scan# 1100

Delta R.T. -0.00 min

Lab File: BE094956.D

Acq: 8 Dec 2017 19:32

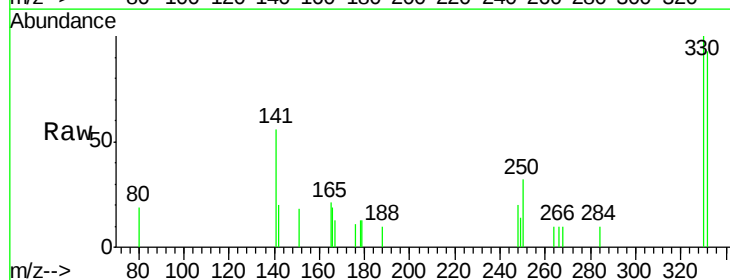
Tgt Ion:330 Resp: 825

Ion Ratio Lower Upper

330 100

332 94.4 152.7 229.1#

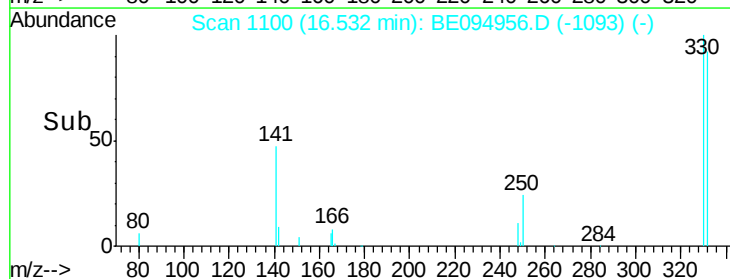
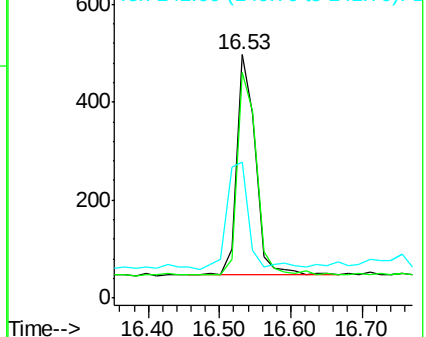
141 58.3 33.7 50.5#

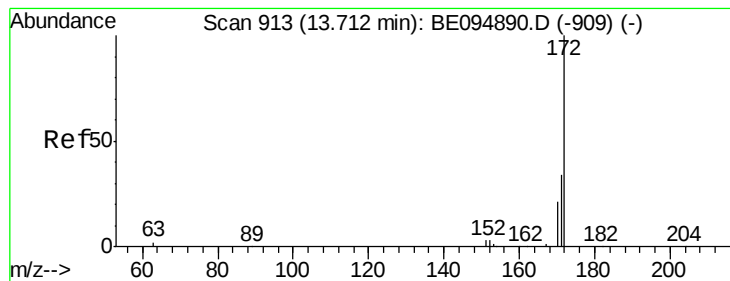


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

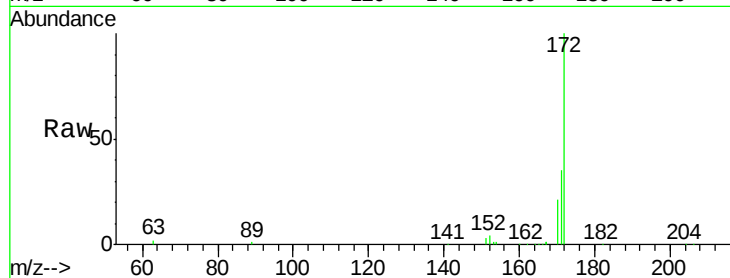




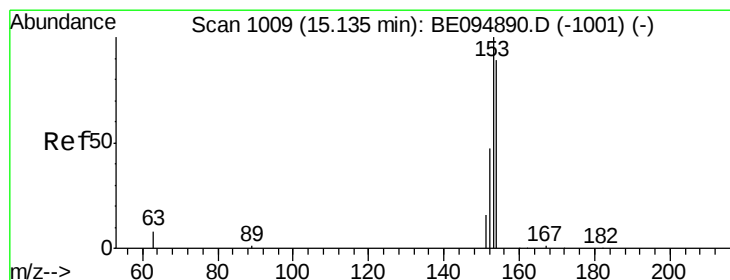
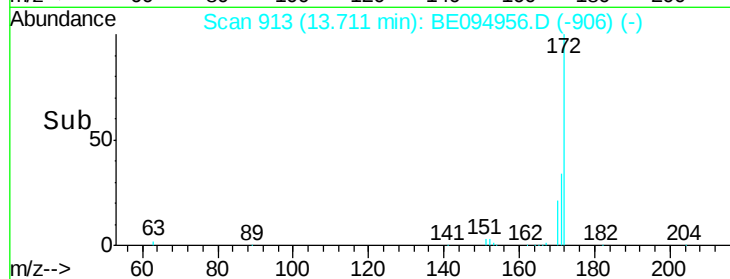
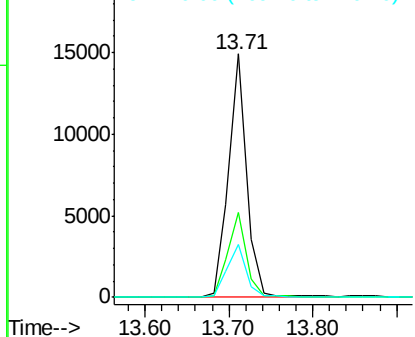
#15
2-Fluorobiphenyl
Concen: 0.567 ng
RT: 13.71 min Scan# 913
Delta R.T. -0.00 min
Lab File: BE094956.D
Acq: 8 Dec 2017 19:32

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 21920
Ion Ratio Lower Upper
172 100
171 34.7 29.9 44.9
170 21.5 21.8 32.8#

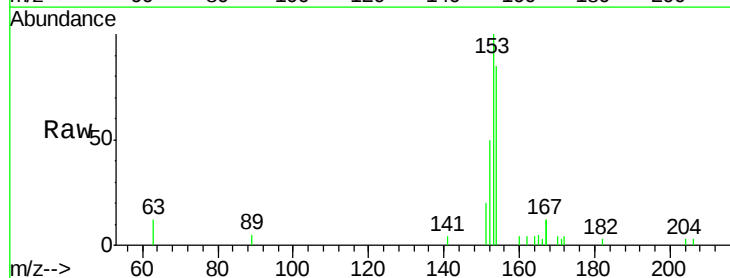


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

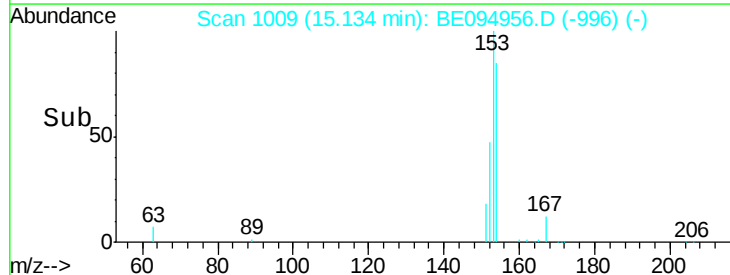
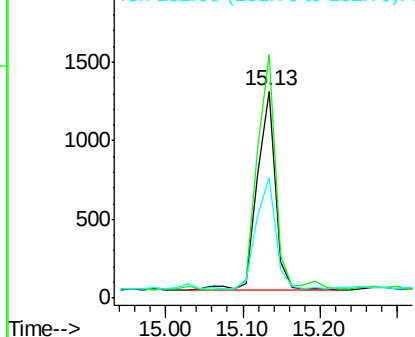


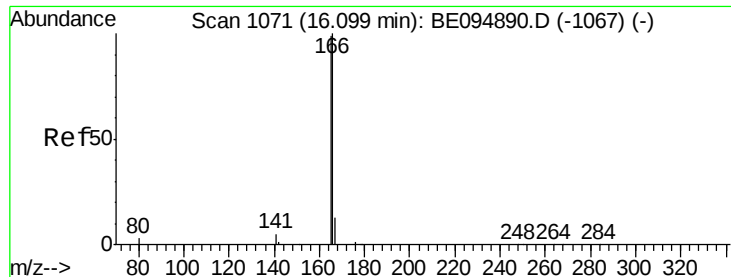
#17
Acenaphthene
Concen: 0.062 ng
RT: 15.13 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BE094956.D
Acq: 8 Dec 2017 19:32

Tgt Ion:154 Resp: 2042
Ion Ratio Lower Upper
154 100
153 121.9 89.2 133.8
152 59.9 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: 0.060 ng

RT: 16.10 min Scan# 1071

Delta R.T. -0.00 min

Lab File: BE094956.D

Acq: 8 Dec 2017 19:32

Instrument :

BNA_E

ClientSampleId :

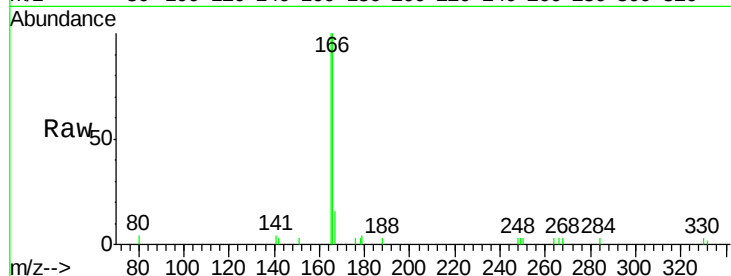
Tot Ion:166 Resp: 2517

Ion Ratio Lower Upper

166 100

165 101.9 77.8 116.6

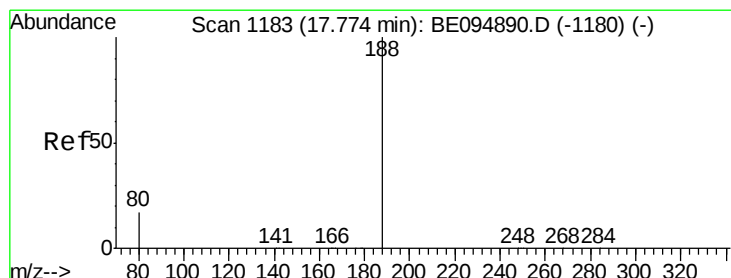
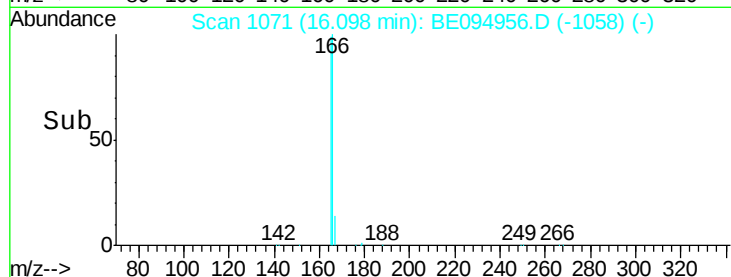
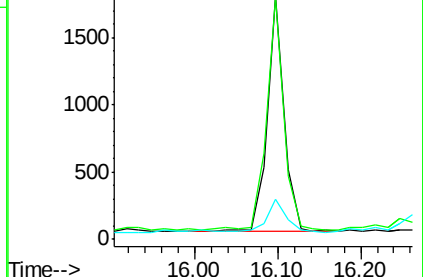
167 15.3 42.4 63.6#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.77 min Scan# 1183

Delta R.T. -0.00 min

Lab File: BE094956.D

Acq: 8 Dec 2017 19:32

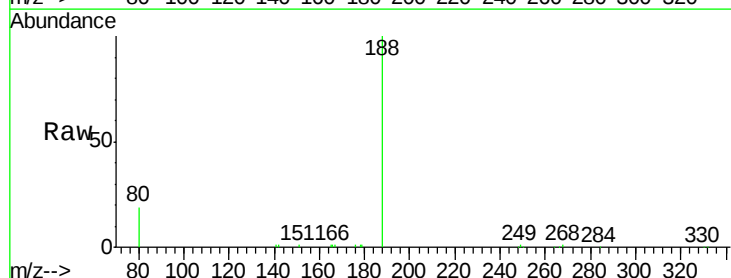
Tgt Ion:188 Resp: 21906

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

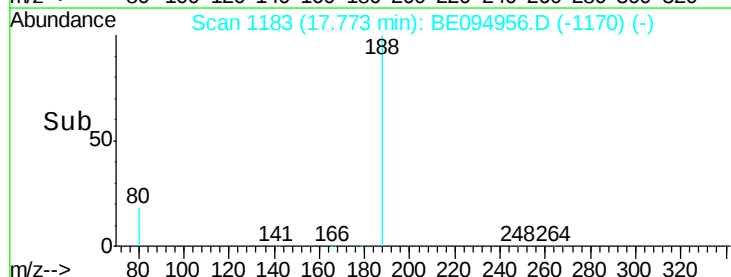
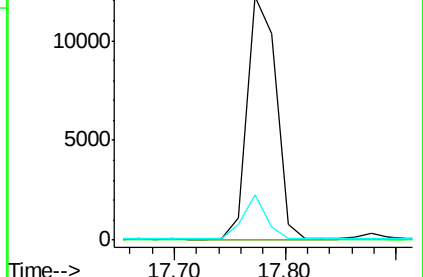
80 18.5 3.6 5.4#

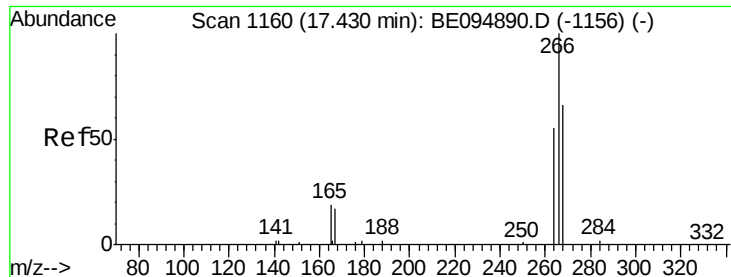


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#22

Pentachlorophenol

Concen: 0.141 ng

RT: 17.43 min Scan# 1160

Delta R.T. -0.00 min

Lab File: BE094956.D

Acq: 8 Dec 2017 19:32

Instrument :

BNA_E

ClientSampleId :

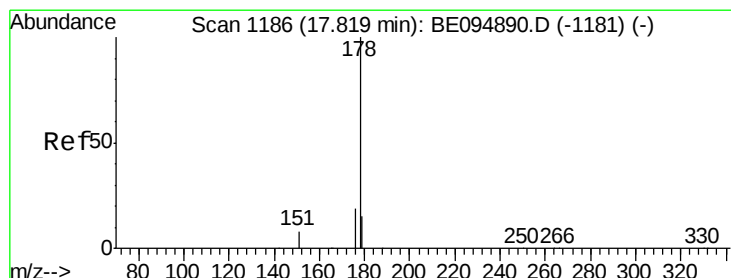
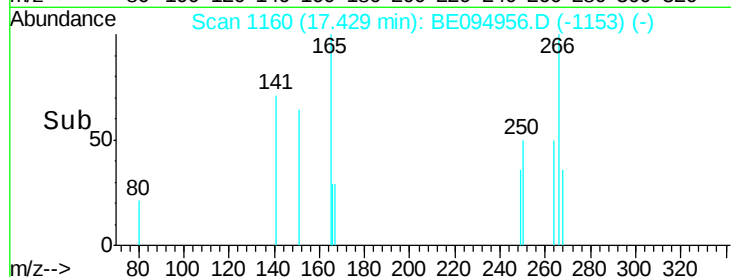
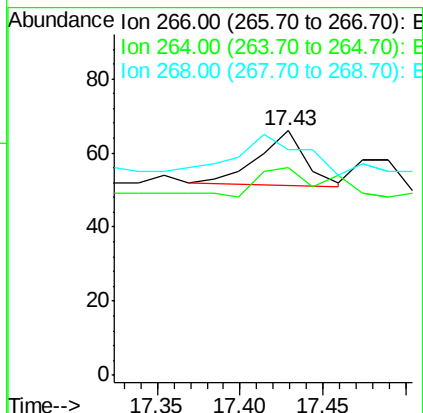
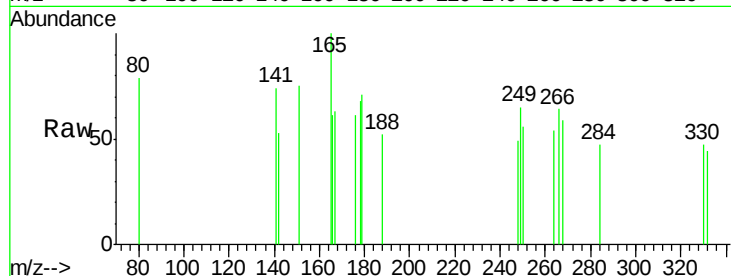
Tot Ion:266 Resp: 29

Ion Ratio Lower Upper

266 100

264 84.8 72.5 108.7

268 92.4 73.8 110.6



#23

Phenanthrene

Concen: 0.064 ng

RT: 17.82 min Scan# 1186

Delta R.T. -0.00 min

Lab File: BE094956.D

Acq: 8 Dec 2017 19:32

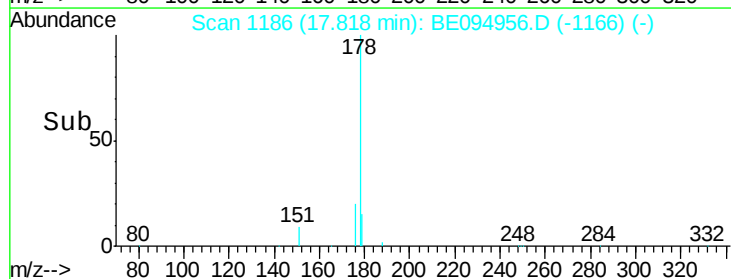
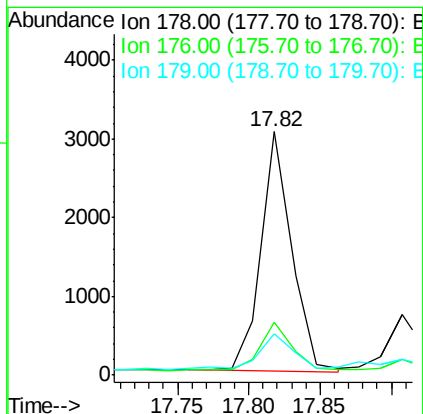
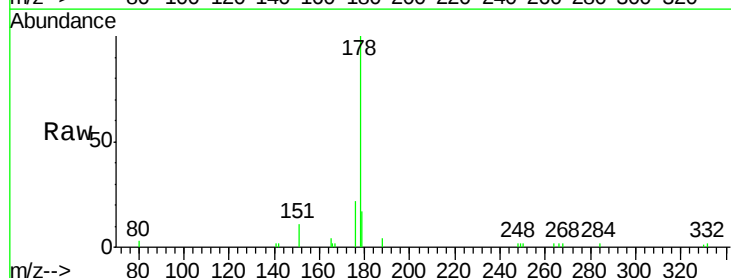
Tgt Ion:178 Resp: 4493

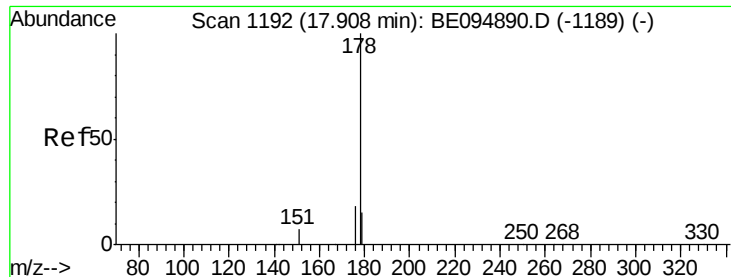
Ion Ratio Lower Upper

178 100

176 21.5 15.1 22.7

179 18.2 11.8 17.6#





#24

Anthracene

Concen: 0.027 ng

RT: 17.91 min Scan# 1192

Delta R.T. -0.00 min

Lab File: BE094956.D

Acq: 8 Dec 2017 19:32

Instrument :

BNA_E

ClientSampled :

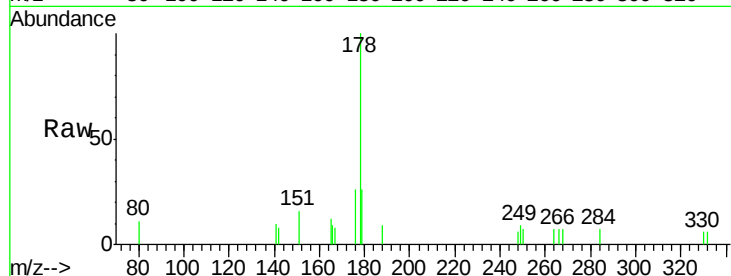
Tot Ion:178 Resp: 2022

Ion Ratio Lower Upper

178 100

176 40.9 12.8 19.2#

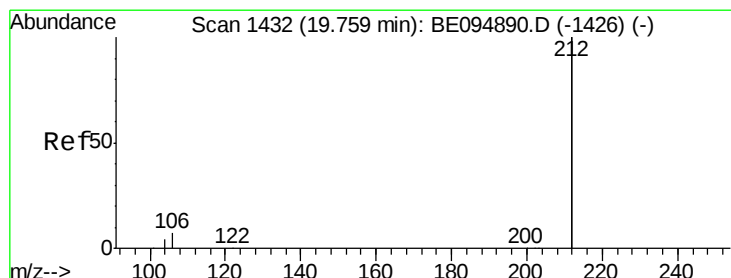
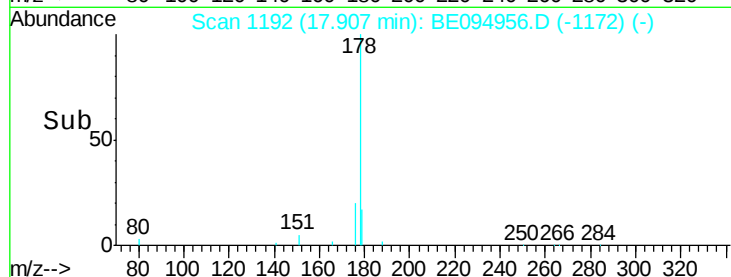
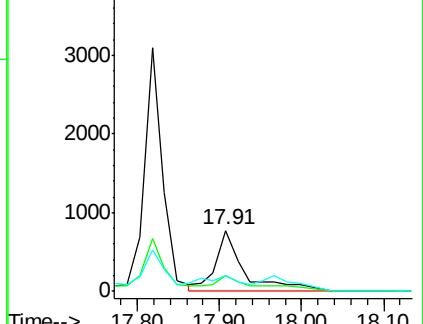
179 24.0 13.0 19.6#



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: 0.378 ng

RT: 19.76 min Scan# 1432

Delta R.T. 0.00 min

Lab File: BE094956.D

Acq: 8 Dec 2017 19:32

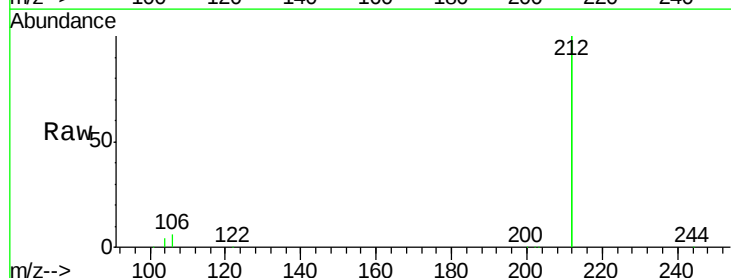
Tgt Ion:212 Resp: 113024

Ion Ratio Lower Upper

212 100

106 3.4 2.8 4.2

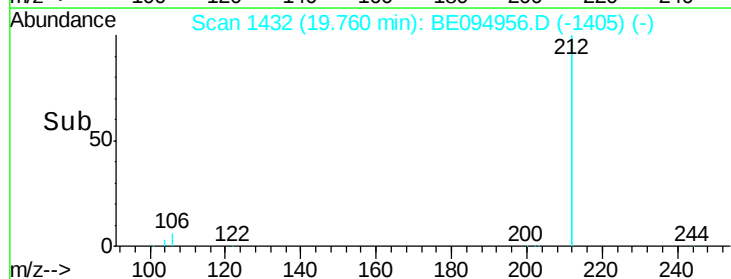
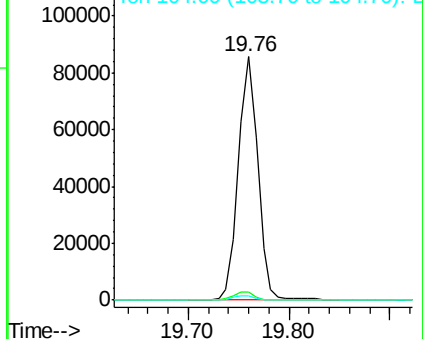
104 2.0 1.6 2.4

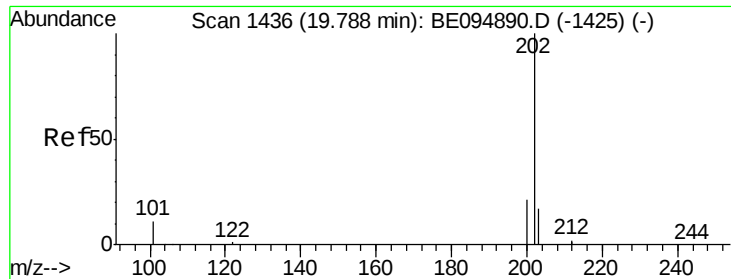


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

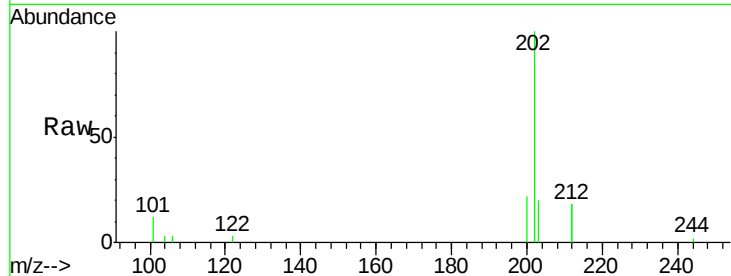




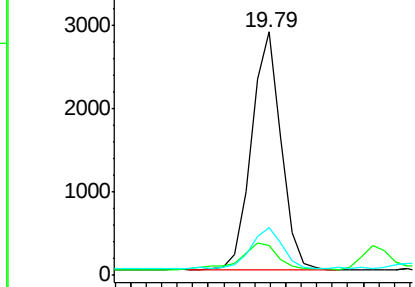
#26
 Fluoranthene
 Concen: 0.042 ng
 RT: 19.79 min Scan# 1436
 Delta R.T. 0.00 min
 Lab File: BE094956.D
 Acq: 8 Dec 2017 19:32

Instrument :
 BNA_E
 ClientSampleId :

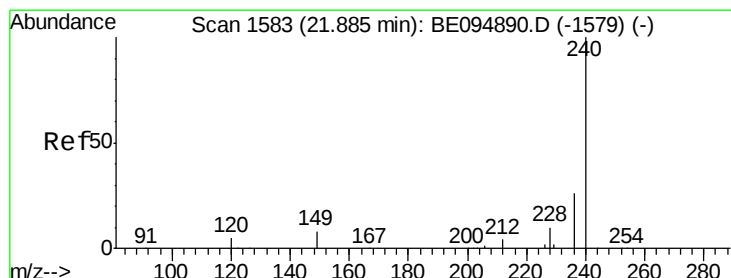
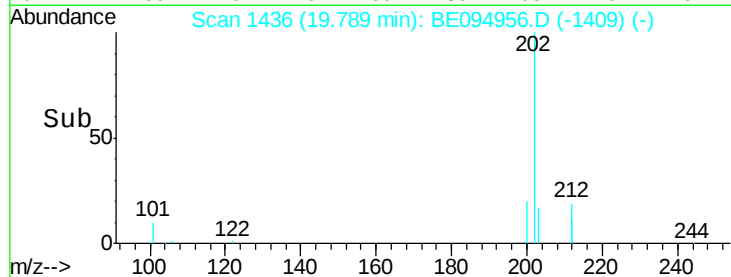
Tot Ion:202 Resp: 3739
 Ion Ratio Lower Upper
 202 100
 101 15.2 9.8 14.8#
 203 18.9 13.7 20.5



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

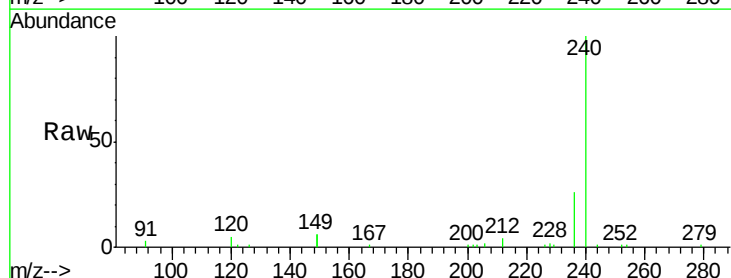


Time--> 19.70 19.75 19.80 19.85

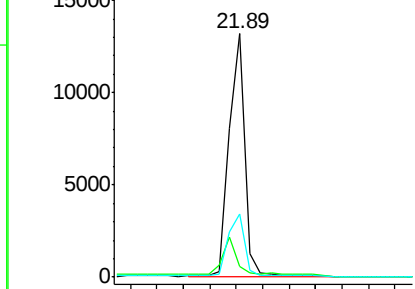


#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.89 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: BE094956.D
 Acq: 8 Dec 2017 19:32

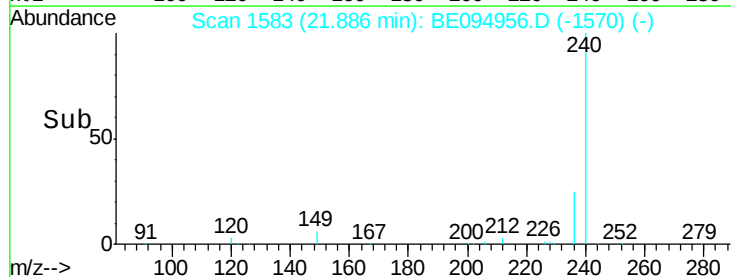
Tgt Ion:240 Resp: 23001
 Ion Ratio Lower Upper
 240 100
 120 4.5 5.5 8.3#
 236 26.0 20.7 31.1

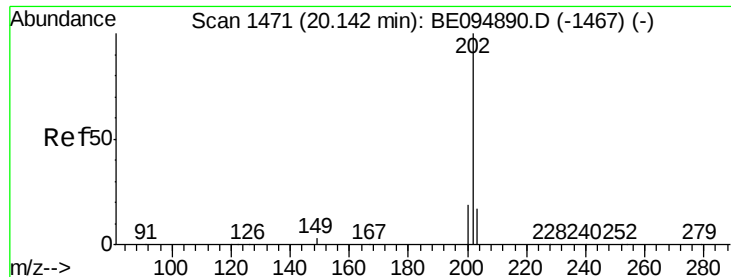


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E



Time--> 21.80 21.85 21.90 21.95 22.00

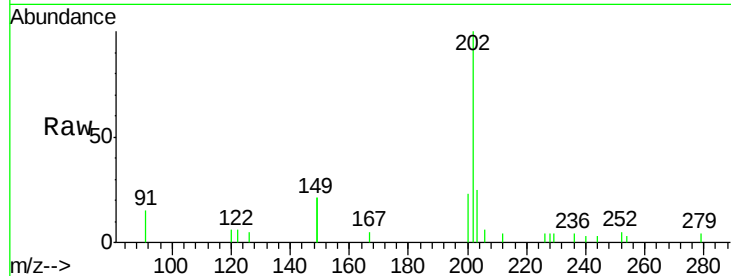




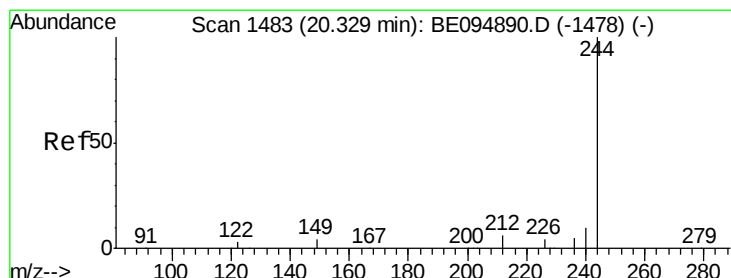
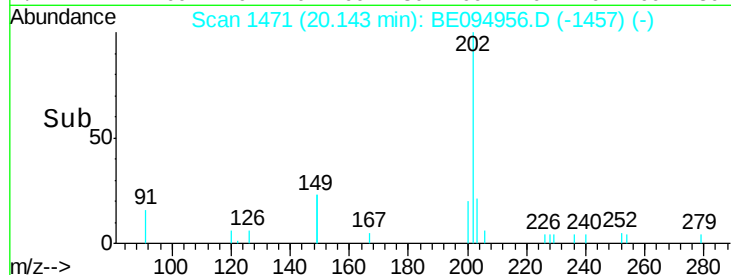
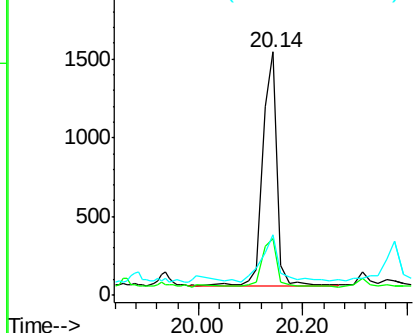
#28
Pvrene
Concen: 0.038 ng
RT: 20.14 min Scan# 1471
Delta R.T. 0.00 min
Lab File: BE094956.D
Acq: 8 Dec 2017 19:32

Instrument :
BNA_E
ClientSampleId :

Tot Ion:202 Resp: 3031
Ion Ratio Lower Upper
202 100
200 20.2 16.6 25.0
203 23.8 13.8 20.8#

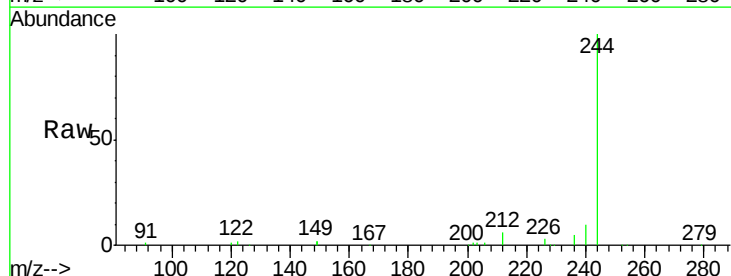


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

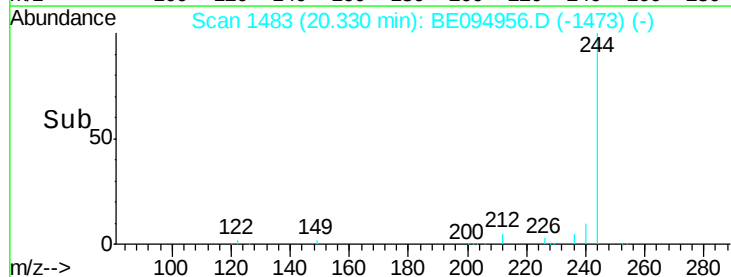
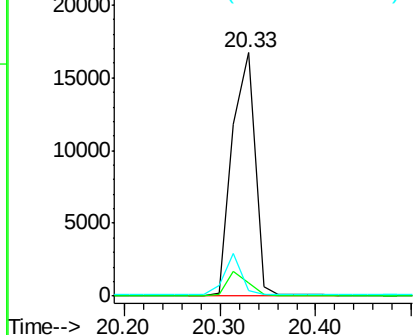


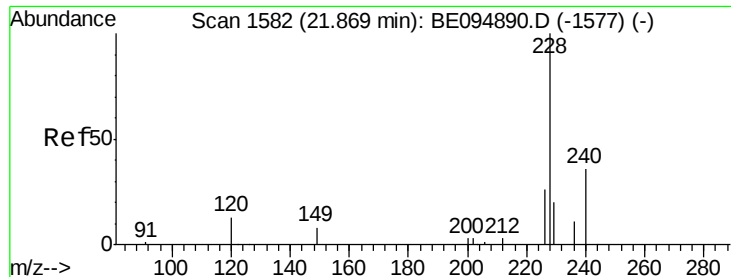
#29
Terphenyl-d14
Concen: 0.648 ng
RT: 20.33 min Scan# 1483
Delta R.T. 0.00 min
Lab File: BE094956.D
Acq: 8 Dec 2017 19:32

Tgt Ion:244 Resp: 27509
Ion Ratio Lower Upper
244 100
212 5.5 25.4 38.0#
122 2.4 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: 0.020 ng

RT: 21.85 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BE094956.D

Acq: 8 Dec 2017 19:32

Instrument :

BNA_E

ClientSampleId :

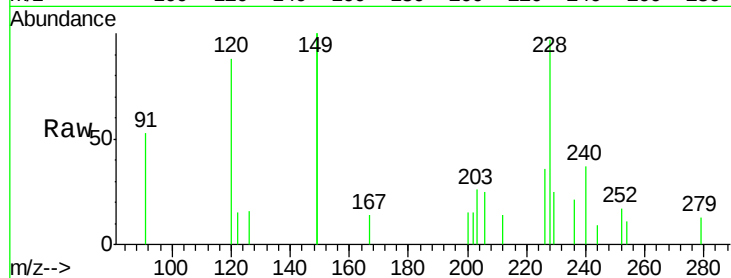
Tot Ion:228 Resp: 1439

Ion Ratio Lower Upper

228 100

226 36.7 40.0 60.0#

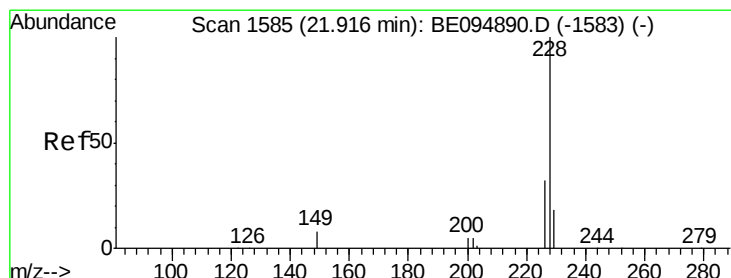
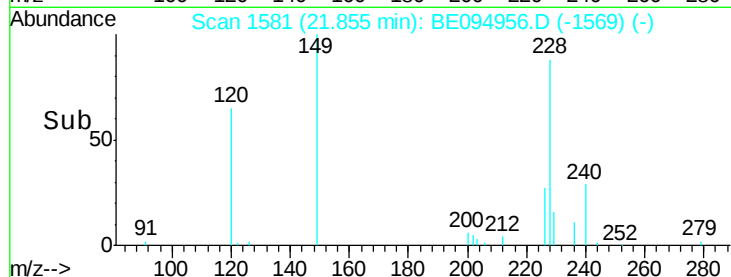
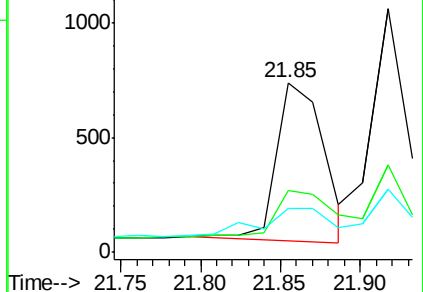
229 25.9 40.0 60.0#



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: 0.026 ng

RT: 21.92 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BE094956.D

Acq: 8 Dec 2017 19:32

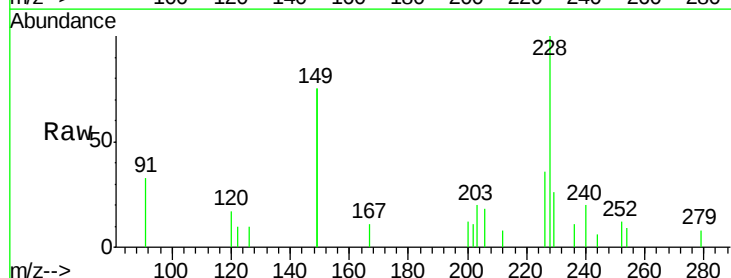
Tgt Ion:228 Resp: 2051

Ion Ratio Lower Upper

228 100

226 35.8 40.0 60.0#

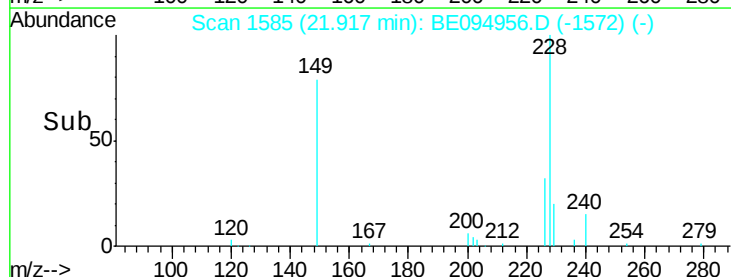
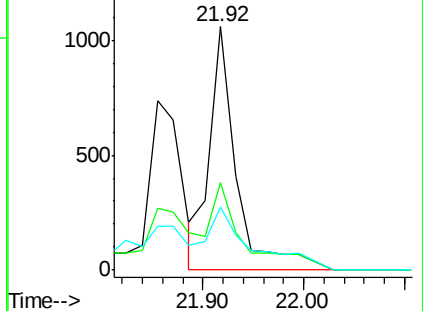
229 25.8 40.0 60.0#

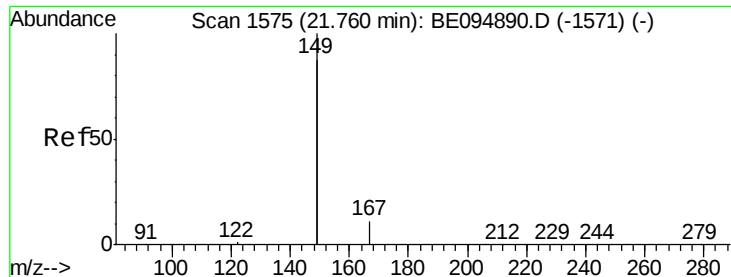


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

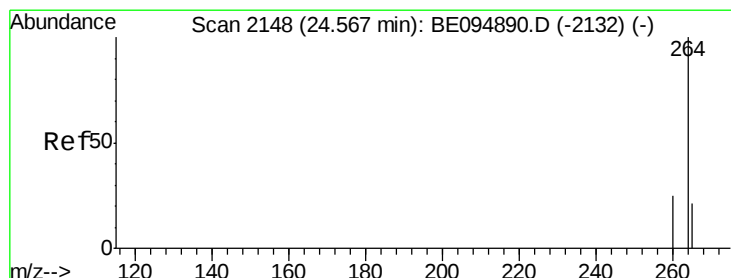
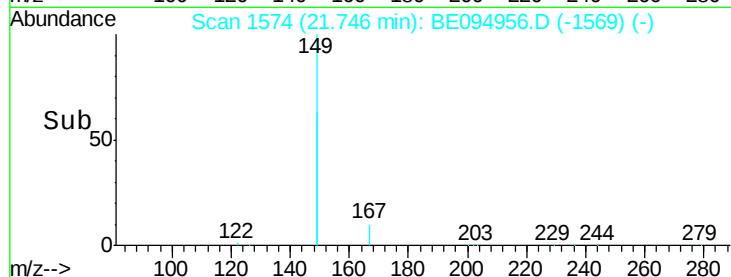
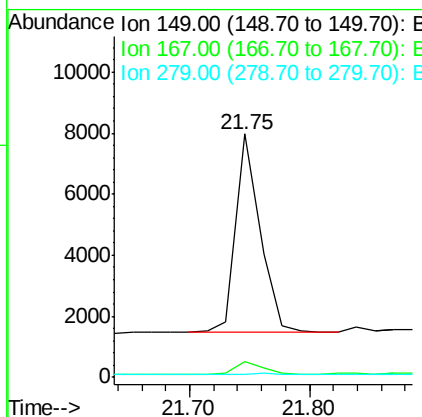
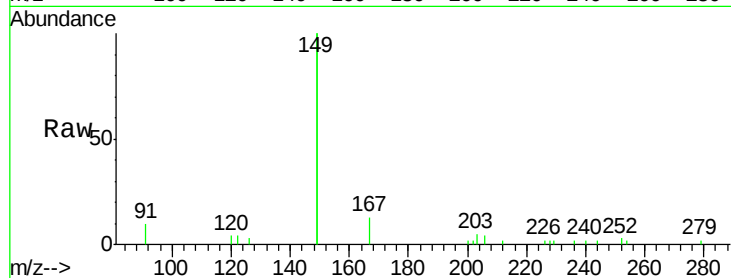




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.078 ng
 RT: 21.75 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: BE094956.D
 Acq: 8 Dec 2017 19:32

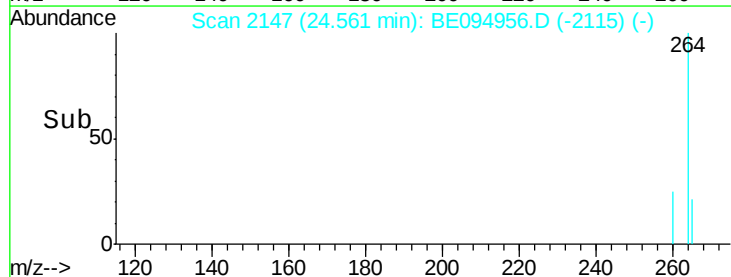
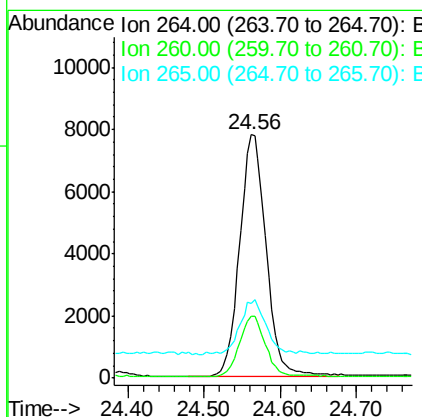
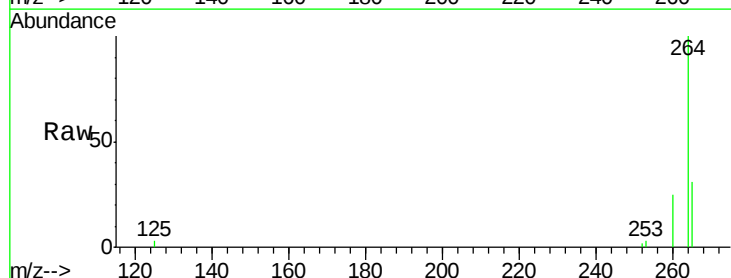
Instrument :
 BNA_E
 ClientSampleID :

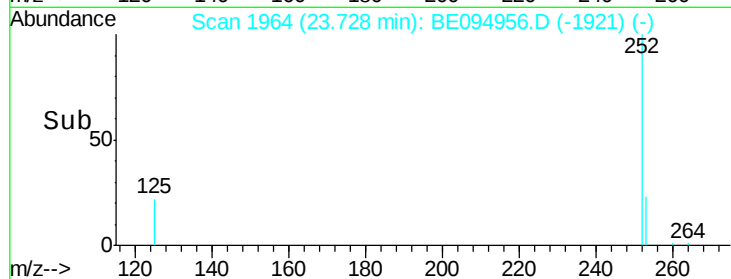
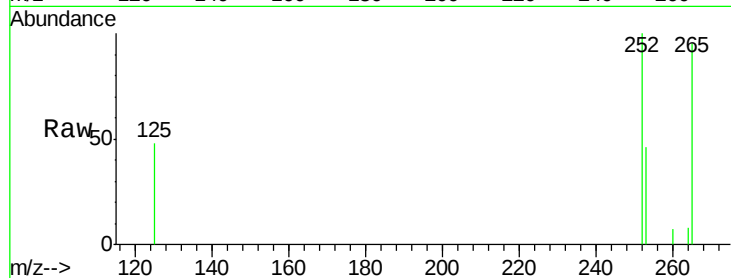
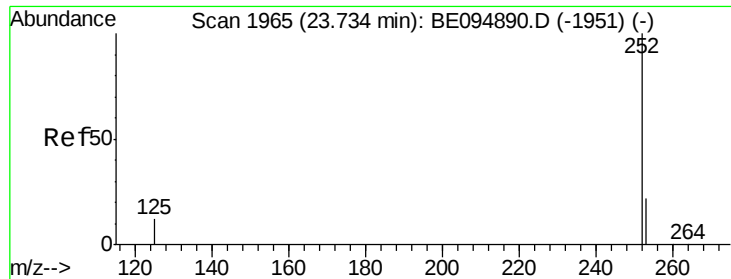
Tot Ion:149 Resp: 9175
 Ion Ratio Lower Upper
 149 100
 167 6.5 5.4 8.0
 279 0.9 0.7 1.1



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.56 min Scan# 2147
 Delta R.T. -0.01 min
 Lab File: BE094956.D
 Acq: 8 Dec 2017 19:32

Tgt Ion:264 Resp: 18807
 Ion Ratio Lower Upper
 264 100
 260 25.4 20.5 30.7
 265 30.6 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.021 ng

RT: 23.73 min Scan# 1964

Delta R.T. -0.01 min

Lab File: BE094956.D

Acq: 8 Dec 2017 19:32

Instrument :

BNA_E

ClientSampleId :

Tot Ion: 252 Resp: 1460

Ion Ratio Lower Upper

252 100

253 45.5 48.0 72.0#

125 47.8 56.0 84.0#

