

Data Path : Z:\HPCHEM1\BNA E\DATA\BE040218\
 Data File : BE095924.D
 Acq On : 2 Apr 2018 13:10
 Operator : SJ/JU
 Sample : J2083-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Apr 03 03:49:26 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE032318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 12:41:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.42	152	1189	0.40	ng	0.00
7) Naphthalene-d8	11.26	136	4805	0.40	ng	0.00
13) Acenaphthene-d10	14.99	164	2851	0.40	ng	-0.01
19) Phenanthrene-d10	17.70	188	6407	0.40	ng	-0.01
27) Chrysene-d12	21.79	240	6974	0.40	ng	-0.01
34) Perylene-d12	24.42	264	6851	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.91	112	632	0.16	ng	0.00
5) Phenol-d6	7.56	99	522	0.10	ng	0.00
8) Nitrobenzene-d5	9.59	82	2406	0.42	ng	0.00
11) 2-Methylnaphthalene-d10	12.79	152	3290	0.41	ng	-0.01
14) 2,4,6-Tribromophenol	16.46	330	721	0.44	ng	-0.01
15) 2-Fluorobiphenyl	13.63	172	5735	0.48	ng	-0.01
25) Fluoranthene-d10	19.68	212	37743	0.40	ng	0.00
29) Terphenyl-d14	20.24	244	7717	0.52	ng	0.00

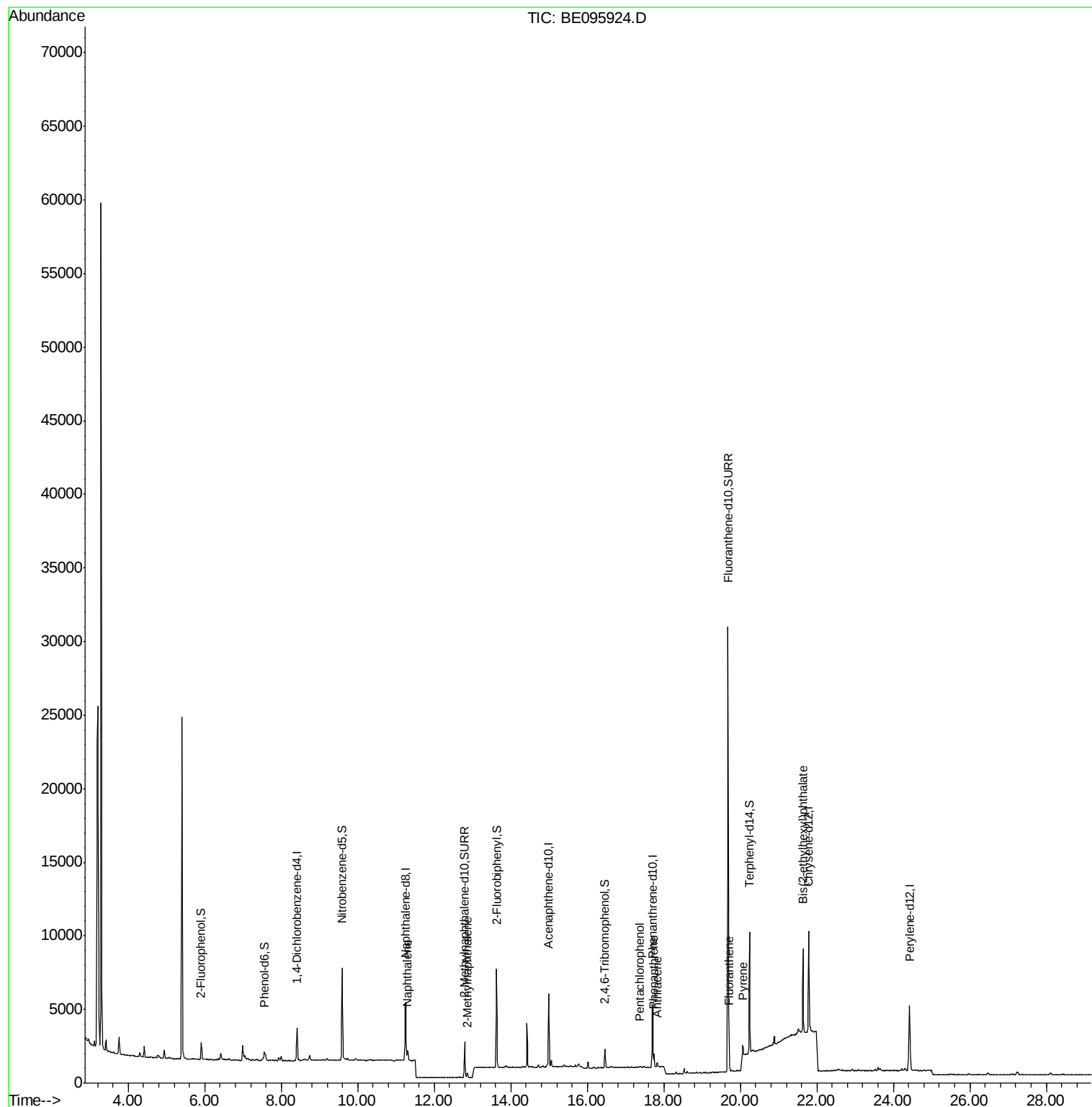
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Naphthalene	11.31	128	1138	0.021	ng	# 82
12) 2-Methylnaphthalene	12.86	142	218	0.023	ng	# 86
22) Pentachlorophenol	17.36	266	48	0.164	ng	94
23) Phenanthrene	17.74	178	840	0.044	ng	99
24) Anthracene	17.84	178	389	0.020	ng	94
26) Fluoranthene	19.71	202	705	0.026	ng	# 90
28) Pyrene	20.06	202	824	0.029	ng	# 84
32) Bis(2-ethylhexyl)phthalate	21.64	149	6822	0.092	ng	# 98

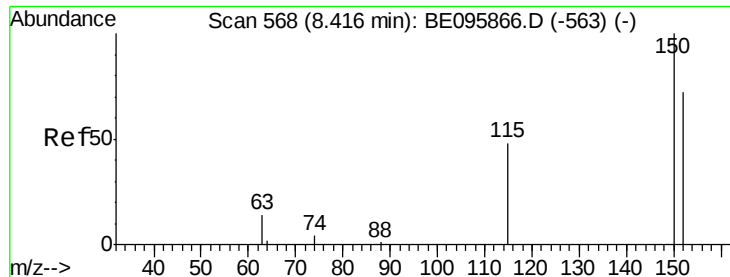
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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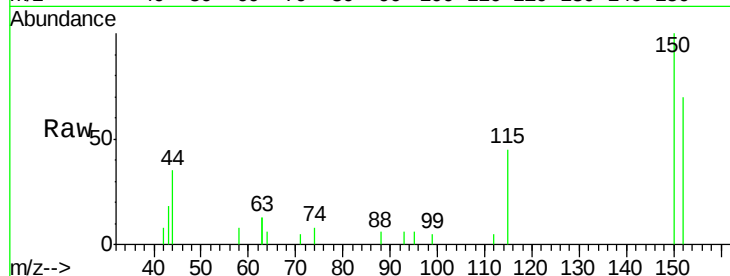


#1

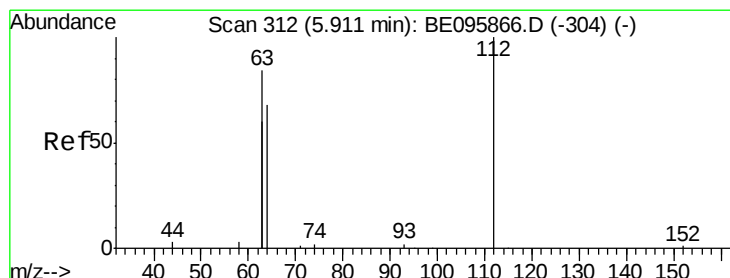
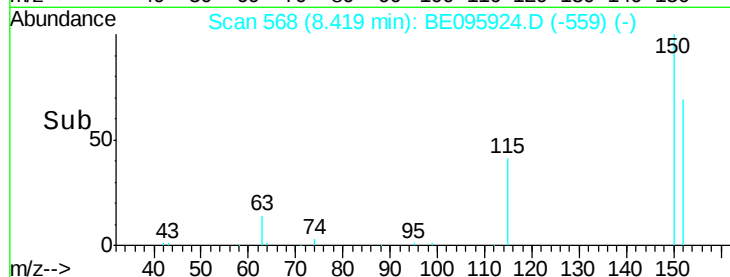
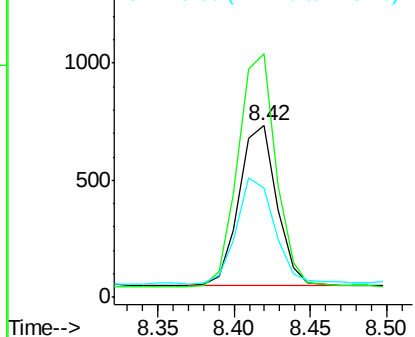
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.42 min Scan# 568
Delta R.T. -0.01 min
Lab File: BE095924.D
Acq: 2 Apr 2018 13:10

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 1189
Ion Ratio Lower Upper
152 100
150 141.9 117.2 175.8
115 63.9 57.0 85.6



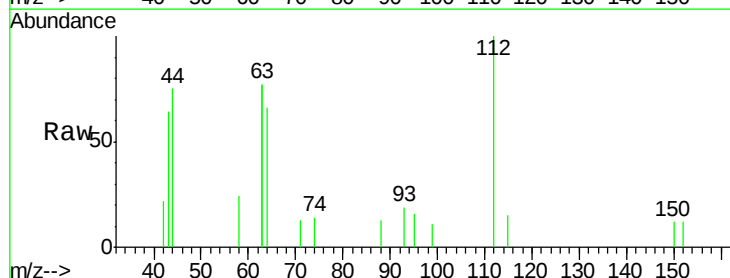
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



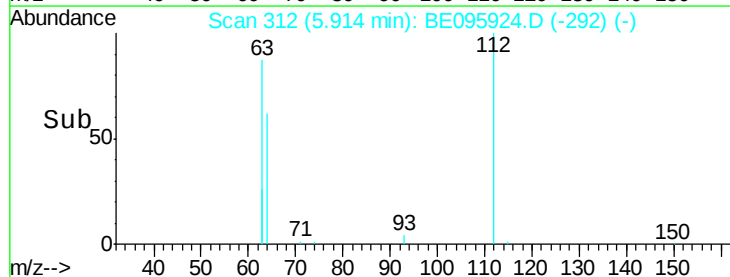
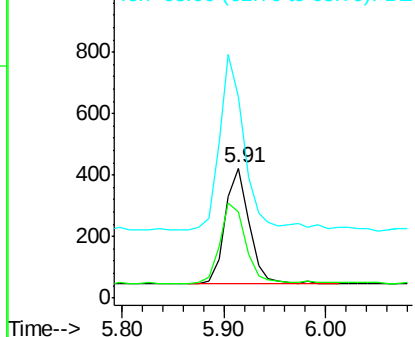
#4

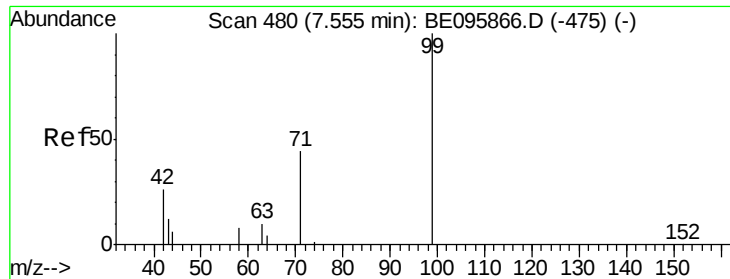
2-Fluorophenol
Concen: 0.161 ng
RT: 5.91 min Scan# 312
Delta R.T. -0.01 min
Lab File: BE095924.D
Acq: 2 Apr 2018 13:10

Tgt Ion:112 Resp: 632
Ion Ratio Lower Upper
112 100
64 72.9 60.1 90.1
63 151.7 116.8 175.2



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: 0.097 ng

RT: 7.56 min Scan# 480

Delta R.T. -0.01 min

Lab File: BE095924.D

Acq: 2 Apr 2018 13:10

Instrument :

BNA_E

ClientSampleId :

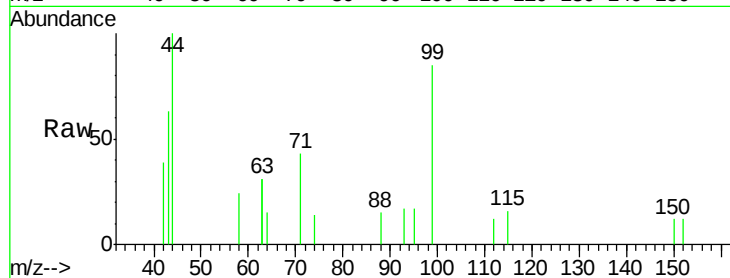
Tot Ion: 99 Resp: 522

Ion Ratio Lower Upper

99 100

42 31.6 20.2 30.2#

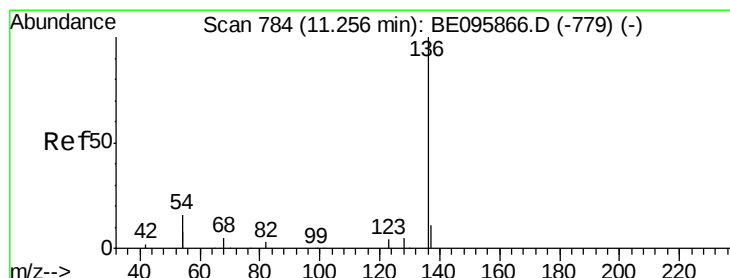
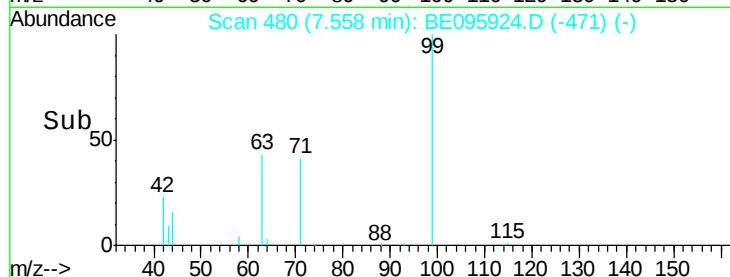
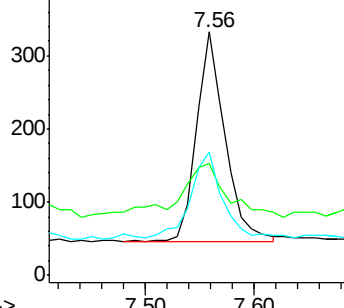
71 45.0 28.4 42.6#



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: 11.26 min Scan# 784

Delta R.T. -0.00 min

Lab File: BE095924.D

Acq: 2 Apr 2018 13:10

Tgt Ion: 136 Resp: 4805

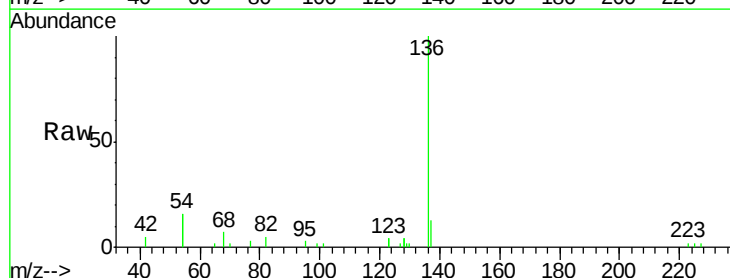
Ion Ratio Lower Upper

136 100

137 12.7 9.5 14.3

54 32.1 29.1 43.7

68 7.3 6.2 9.2

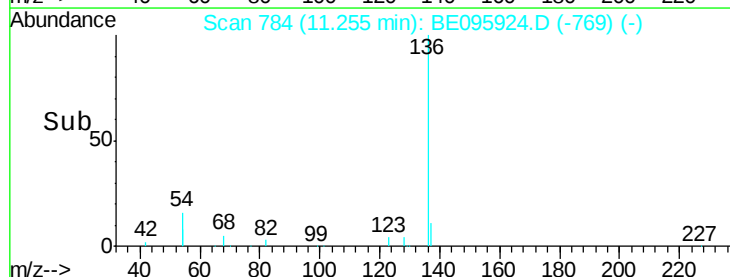
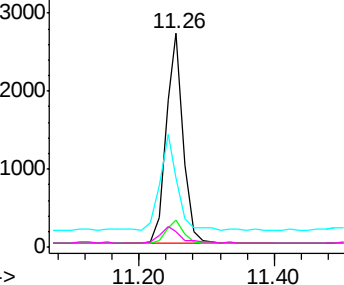


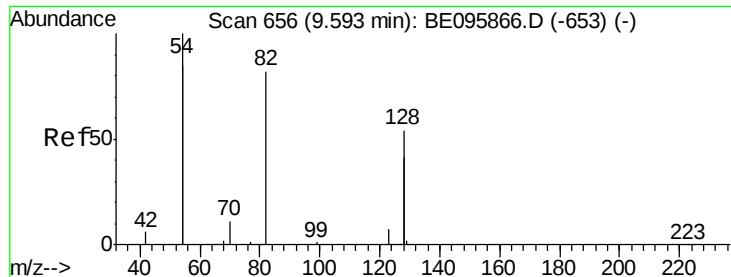
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.424 ng

RT: 9.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: BE095924.D

Acq: 2 Apr 2018 13:10

Instrument :

BNA_E

ClientSampleId :

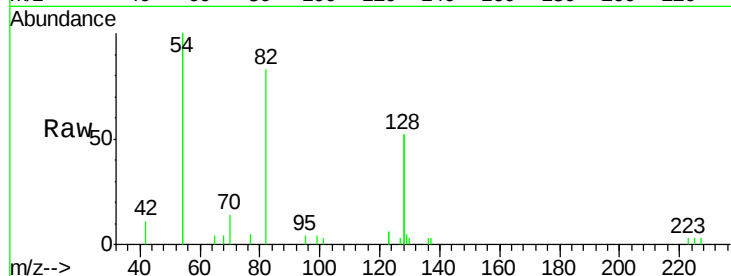
Tot Ion: 82 Resp: 2406

Ion Ratio Lower Upper

82 100

128 125.2 150.0 225.0#

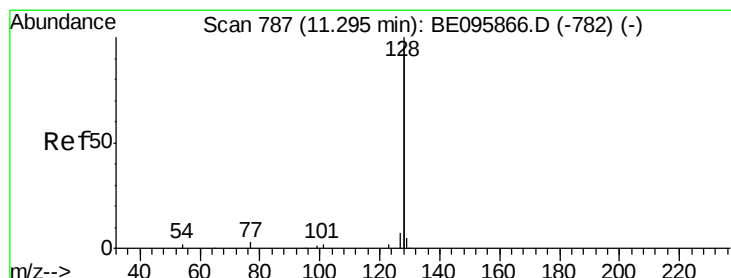
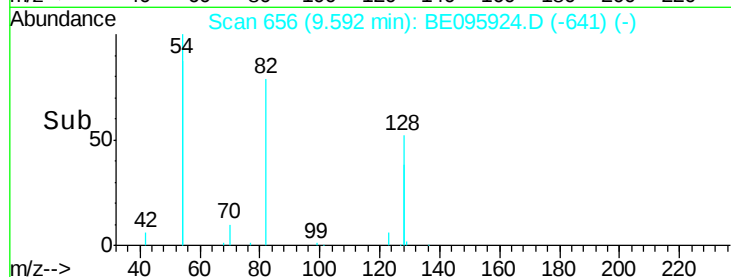
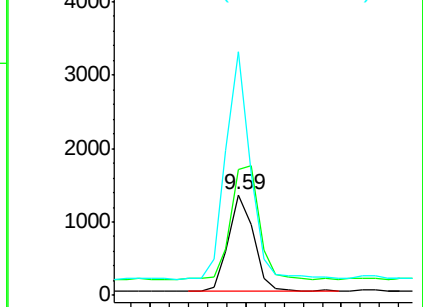
54 241.9 154.2 231.4#



Abundance Ion 82.00 (81.70 to 82.70): BE095866.D (-653) (-)

Ion 128.00 (127.70 to 128.70): BE095866.D (-653) (-)

Ion 54.00 (53.70 to 54.70): BE095866.D (-653) (-)



#9

Naphthalene

Concen: 0.021 ng

RT: 11.31 min Scan# 788

Delta R.T. -0.00 min

Lab File: BE095924.D

Acq: 2 Apr 2018 13:10

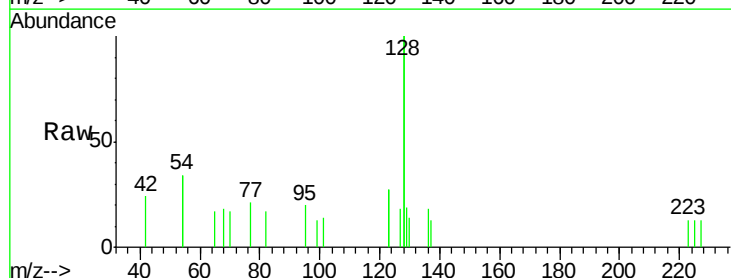
Tgt Ion: 128 Resp: 1138

Ion Ratio Lower Upper

128 100

129 9.7 2.6 3.8#

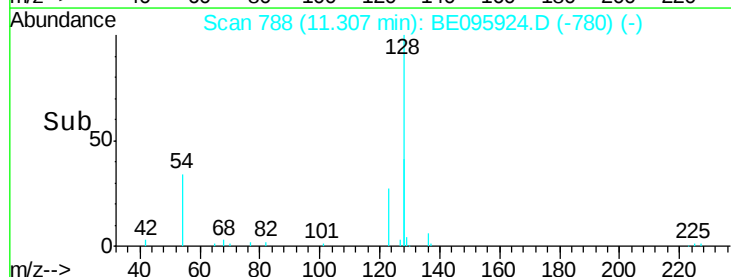
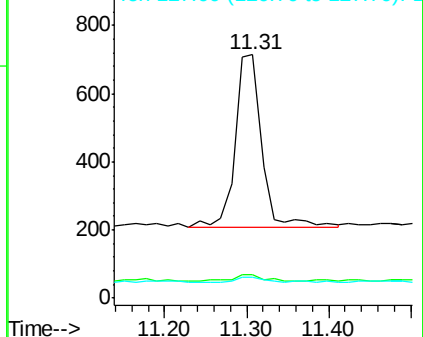
127 8.8 2.8 4.2#

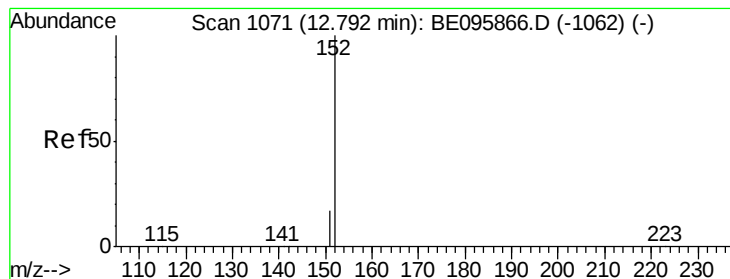


Abundance Ion 128.00 (127.70 to 128.70): BE095866.D (-782) (-)

Ion 129.00 (128.70 to 129.70): BE095866.D (-782) (-)

Ion 127.00 (126.70 to 127.70): BE095866.D (-782) (-)





#11

2-Methylnaphthalene-d10

Concen: 0.410 ng

RT: 12.79 min Scan# 1071

Delta R.T. -0.01 min

Lab File: BE095924.D

Acq: 2 Apr 2018 13:10

Instrument :

BNA_E

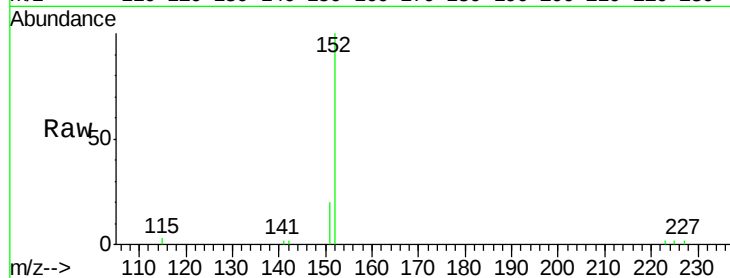
ClientSampleId :

Tot Ion:152 Resp: 3290

Ion Ratio Lower Upper

152 100

151 19.5 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.79

2000

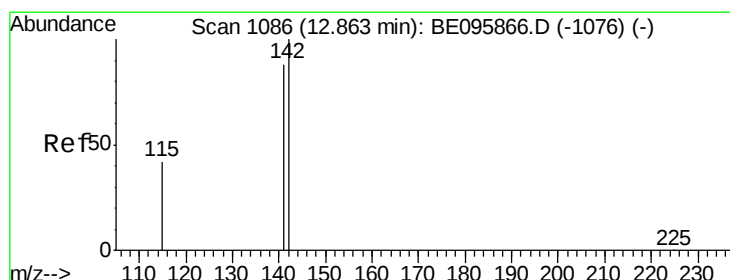
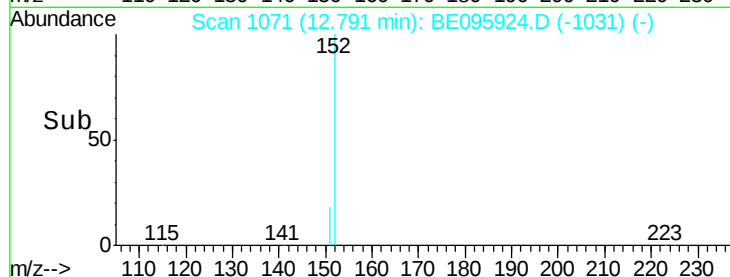
1500

1000

500

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.023 ng

RT: 12.86 min Scan# 1086

Delta R.T. -0.01 min

Lab File: BE095924.D

Acq: 2 Apr 2018 13:10

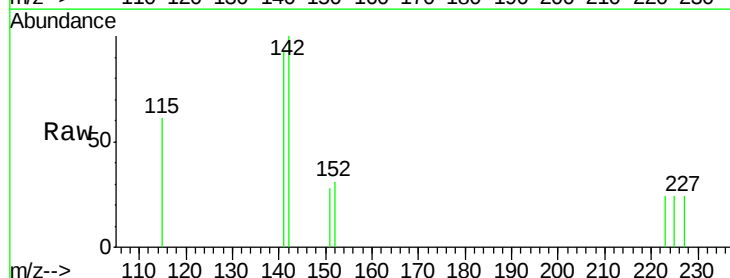
Tgt Ion:142 Resp: 218

Ion Ratio Lower Upper

142 100

141 92.6 70.4 105.6

115 61.2 31.7 47.5#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

12.86

250

200

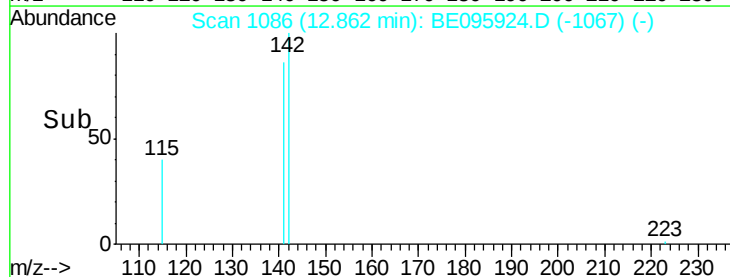
150

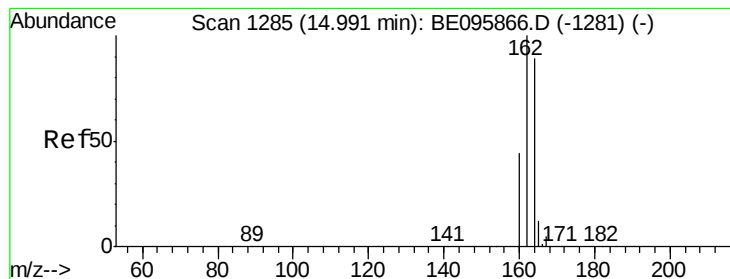
100

50

0

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.99 min Scan# 1285

Delta R.T. -0.01 min

Lab File: BE095924.D

Acq: 2 Apr 2018 13:10

Instrument :

BNA_E

ClientSampleId :

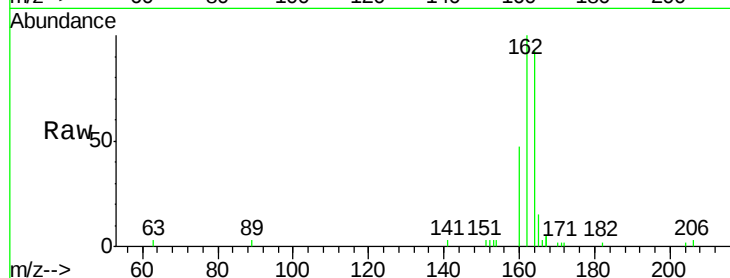
Tot Ion:164 Resp: 2851

Ion Ratio Lower Upper

164 100

162 107.4 83.1 124.7

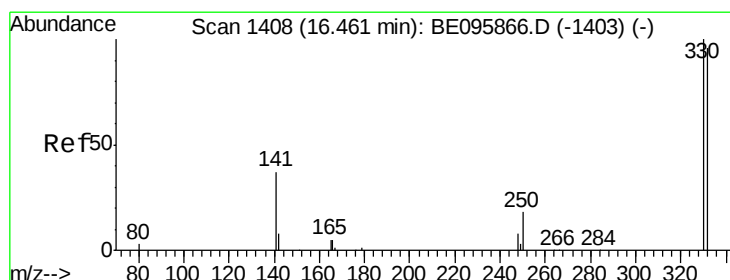
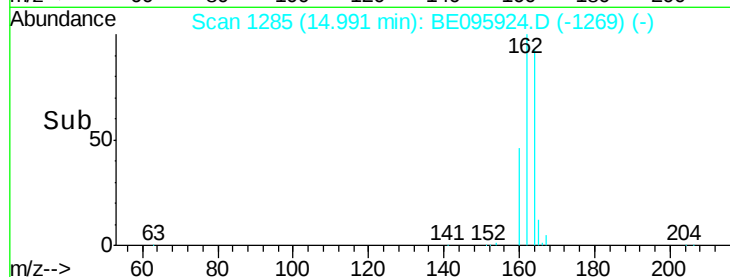
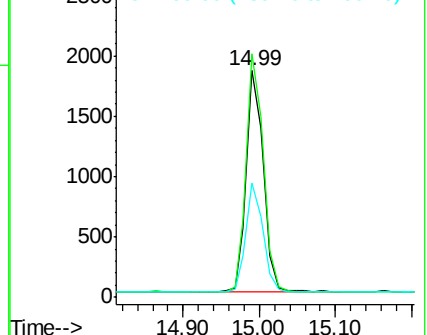
160 50.5 37.1 55.7



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: 0.438 ng

RT: 16.46 min Scan# 1408

Delta R.T. -0.01 min

Lab File: BE095924.D

Acq: 2 Apr 2018 13:10

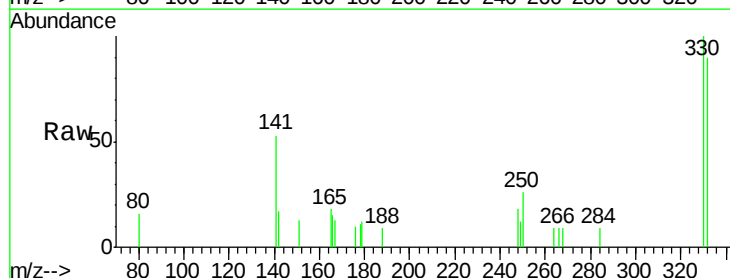
Tgt Ion:330 Resp: 721

Ion Ratio Lower Upper

330 100

332 94.0 152.7 229.1#

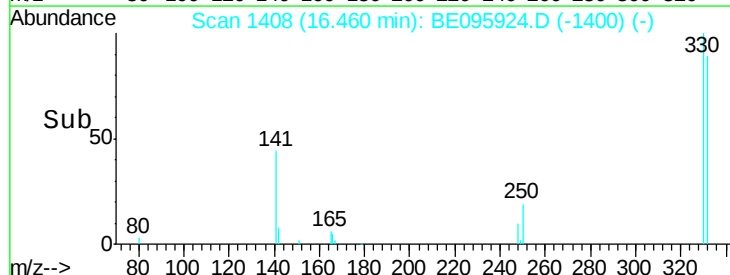
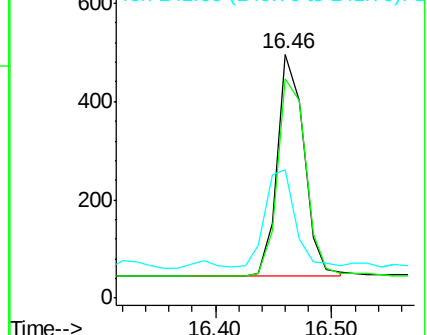
141 50.5 33.7 50.5

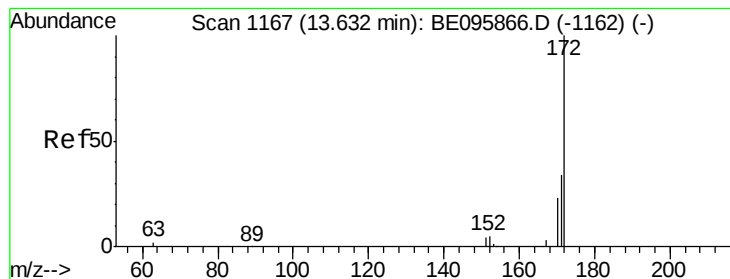


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

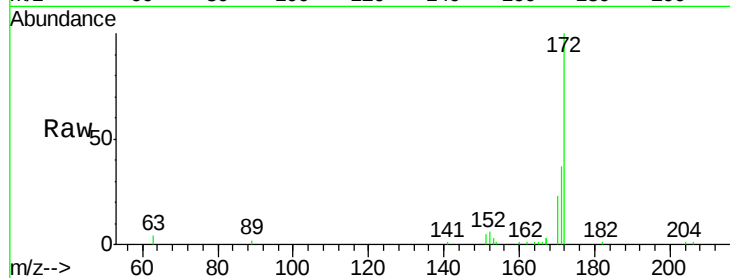




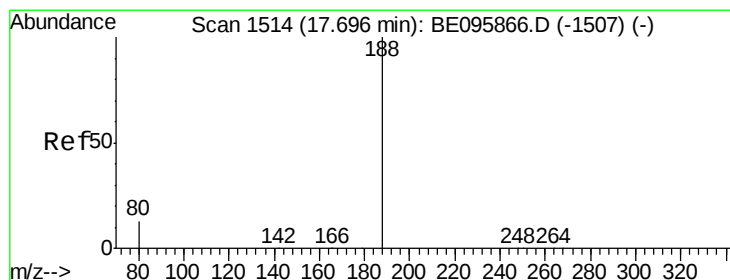
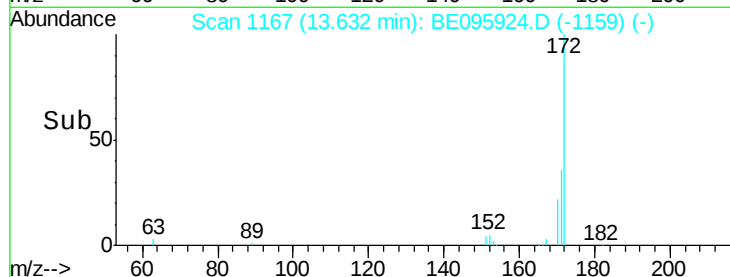
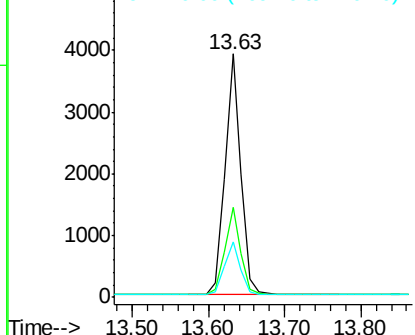
#15
2-Fluorobiphenyl
Concen: 0.477 ng
RT: 13.63 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BE095924.D
Acq: 2 Apr 2018 13:10

Instrument :
BNA_E
ClientSampled :

Tot Ion:172 Resp: 5735
Ion Ratio Lower Upper
172 100
171 36.8 29.9 44.9
170 22.6 21.8 32.8

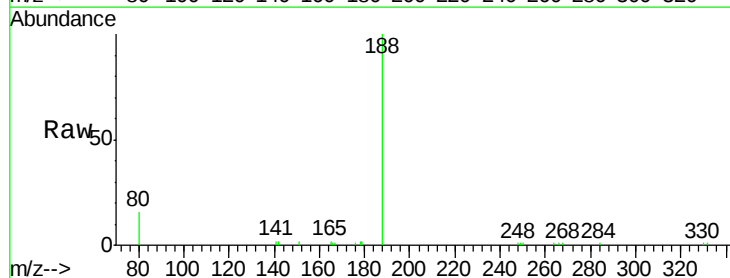


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

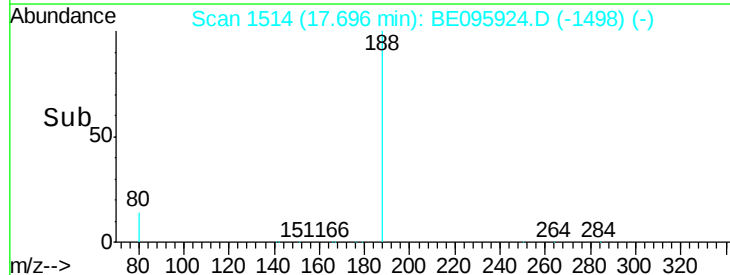
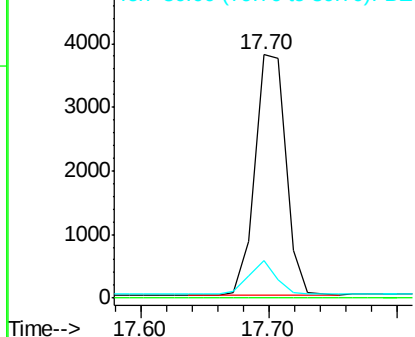


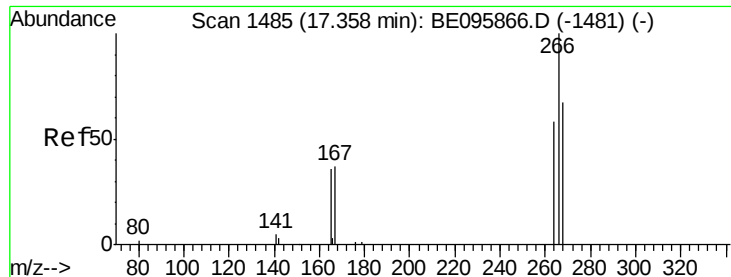
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.70 min Scan# 1514
Delta R.T. -0.01 min
Lab File: BE095924.D
Acq: 2 Apr 2018 13:10

Tgt Ion:188 Resp: 6407
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 15.5 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

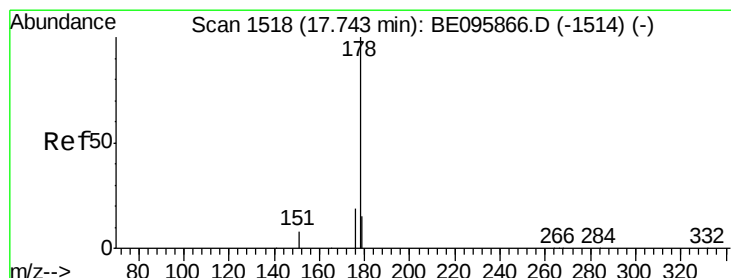
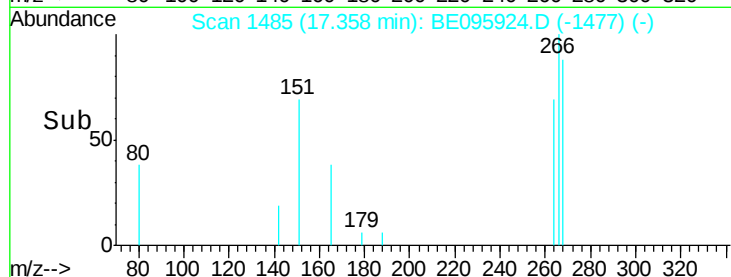
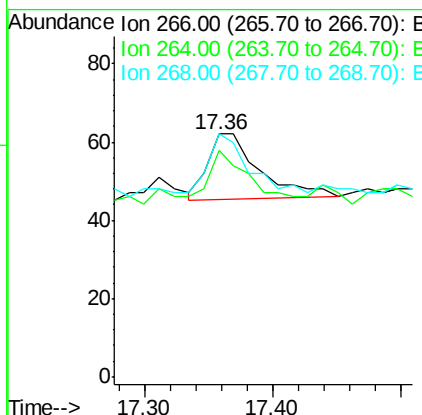
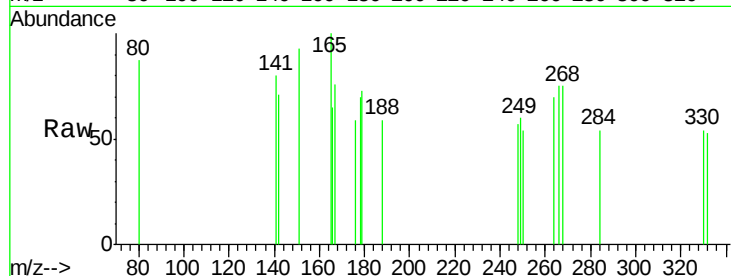




#22
 Pentachlorophenol
 Concen: 0.164 ng
 RT: 17.36 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: BE095924.D
 Acq: 2 Apr 2018 13:10

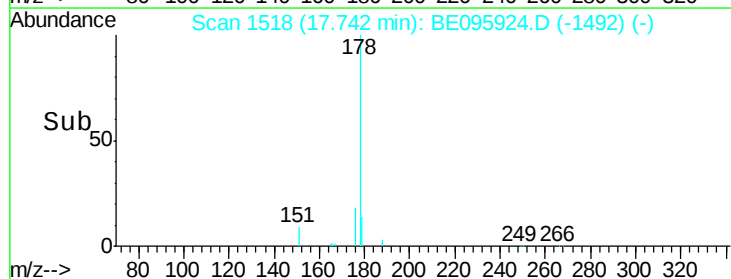
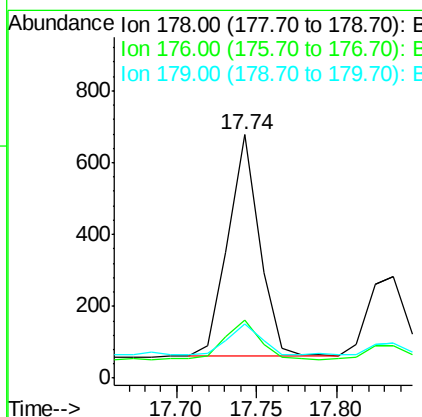
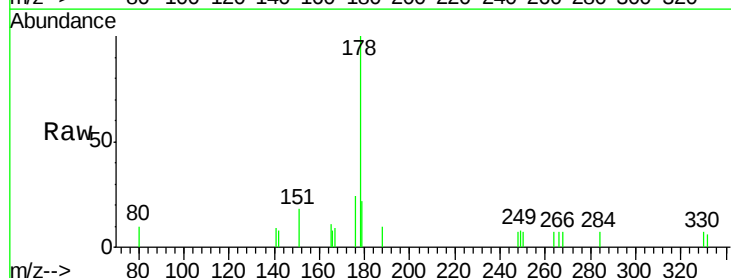
Instrument :
 BNA_E
 ClientSampled :

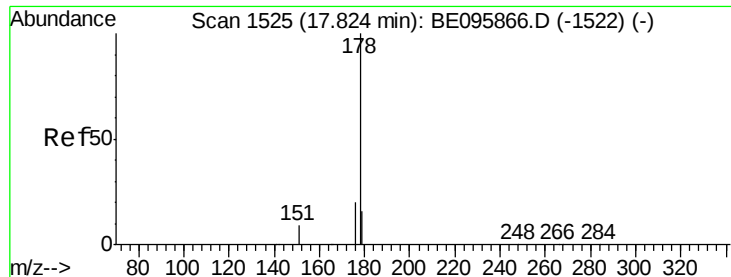
Tot Ion:266 Resp: 48
 Ion Ratio Lower Upper
 266 100
 264 93.5 72.5 108.7
 268 100.0 73.8 110.6



#23
 Phenanthrene
 Concen: 0.044 ng
 RT: 17.74 min Scan# 1518
 Delta R.T. -0.00 min
 Lab File: BE095924.D
 Acq: 2 Apr 2018 13:10

Tgt Ion:178 Resp: 840
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.1 22.7
 179 13.9 11.8 17.6





#24

Anthracene

Concen: 0.020 ng

RT: 17.84 min Scan# 1526

Delta R.T. -0.00 min

Lab File: BE095924.D

Acq: 2 Apr 2018 13:10

Instrument :

BNA_E

ClientSampleId :

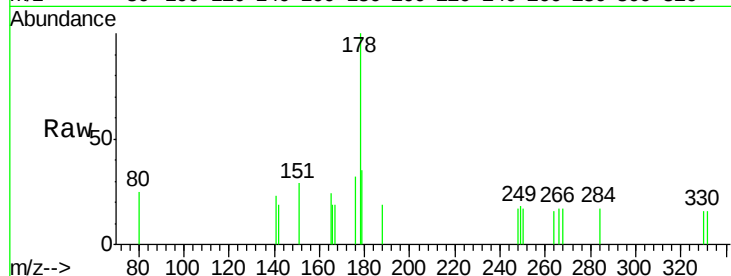
Tot Ion:178 Resp: 389

Ion Ratio Lower Upper

178 100

176 18.3 12.8 19.2

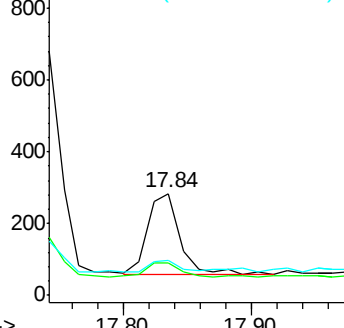
179 13.6 13.0 19.6



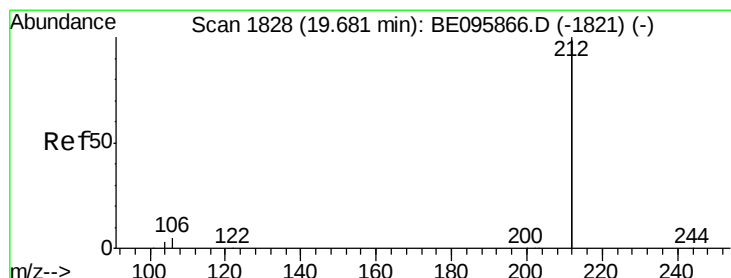
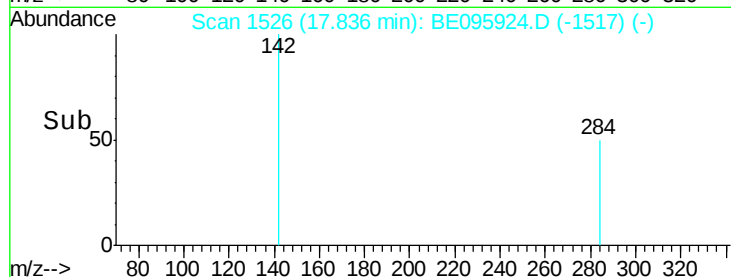
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#25

Fluoranthene-d10

Concen: 0.397 ng

RT: 19.68 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BE095924.D

Acq: 2 Apr 2018 13:10

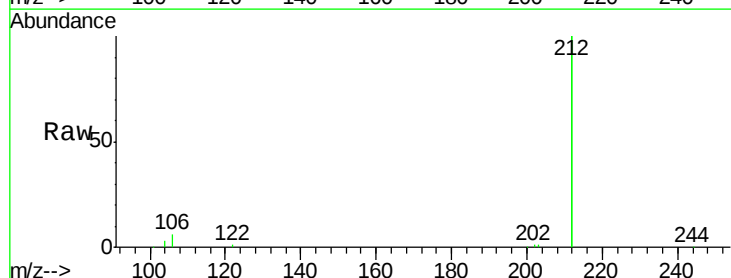
Tgt Ion:212 Resp: 37743

Ion Ratio Lower Upper

212 100

106 2.9 2.8 4.2

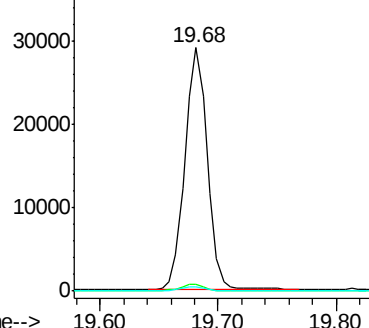
104 1.7 1.6 2.4



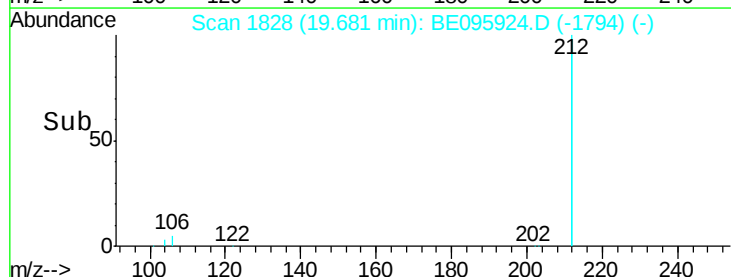
Abundance Ion 212.00 (211.70 to 212.70): E

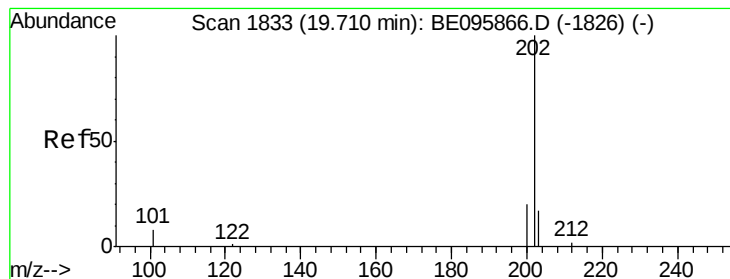
Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



Time-->





#26

Fluoranthene

Concen: 0.026 ng

RT: 19.71 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BE095924.D

Acq: 2 Apr 2018 13:10

Instrument :

BNA_E

ClientSampleId :

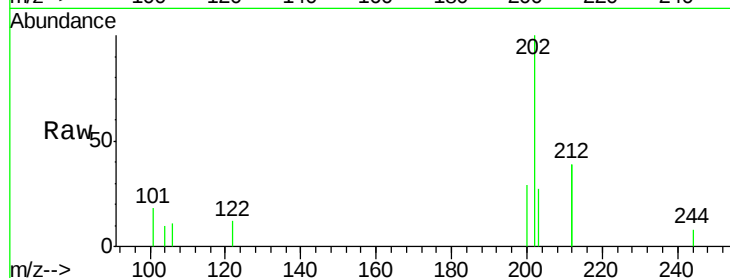
Tot Ion:202 Resp: 705

Ion Ratio Lower Upper

202 100

101 15.3 9.8 14.8#

203 21.8 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

19.71

600

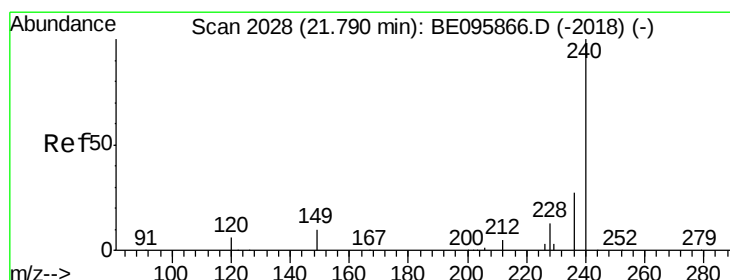
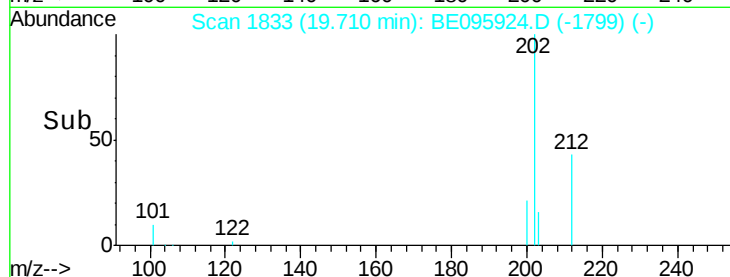
400

200

0

19.65 19.70 19.75

Time-->



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.79 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BE095924.D

Acq: 2 Apr 2018 13:10

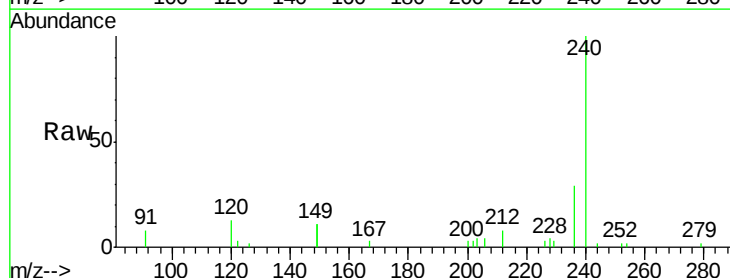
Tgt Ion:240 Resp: 6974

Ion Ratio Lower Upper

240 100

120 13.2 5.5 8.3#

236 28.8 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

21.79

6000

5000

4000

3000

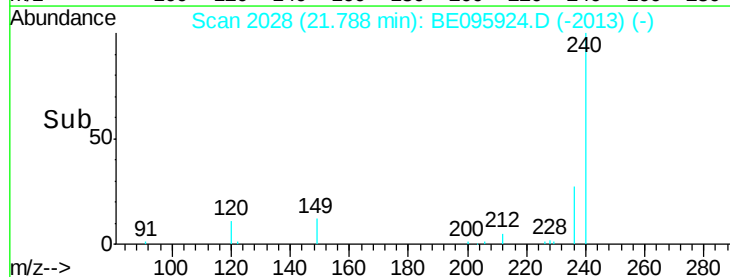
2000

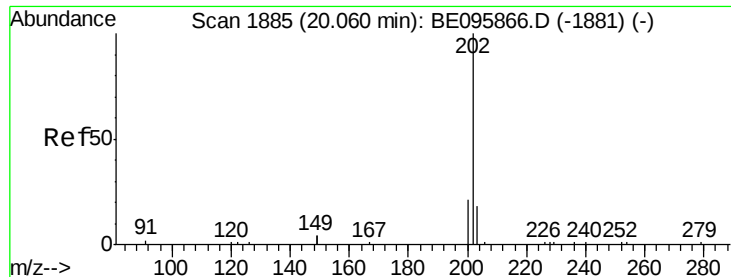
1000

0

21.70 21.80 21.90

Time-->





#28

Pvrene

Concen: 0.029 ng

RT: 20.06 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BE095924.D

Acq: 2 Apr 2018 13:10

Instrument :

BNA_E

ClientSampled :

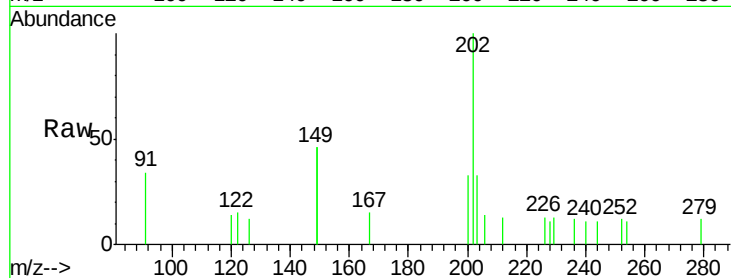
Tot Ion:202 Resp: 824

Ion Ratio Lower Upper

202 100

200 25.0 16.6 25.0#

203 28.0 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

20.06

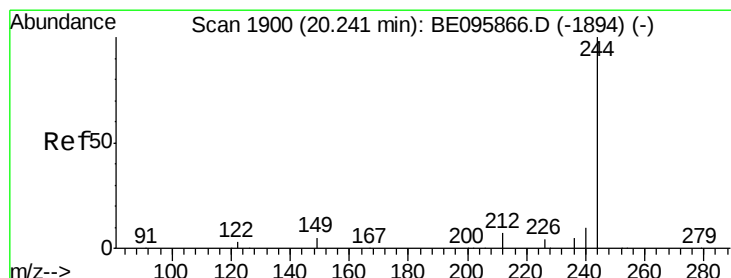
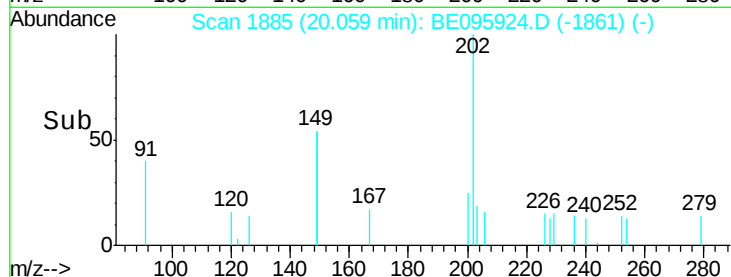
400

200

0

20.00 20.10

Time-->



#29

Terphenyl-d14

Concen: 0.521 ng

RT: 20.24 min Scan# 1900

Delta R.T. -0.00 min

Lab File: BE095924.D

Acq: 2 Apr 2018 13:10

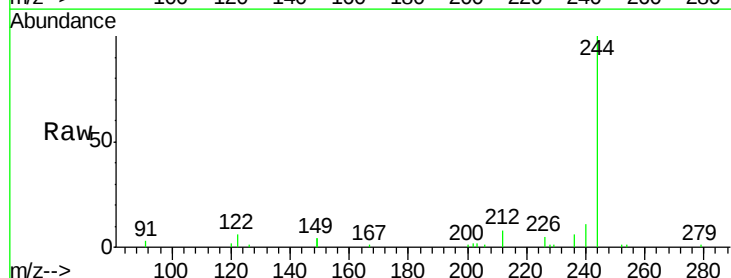
Tgt Ion:244 Resp: 7717

Ion Ratio Lower Upper

244 100

212 8.1 25.4 38.0#

122 6.4 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

20.24

8000

6000

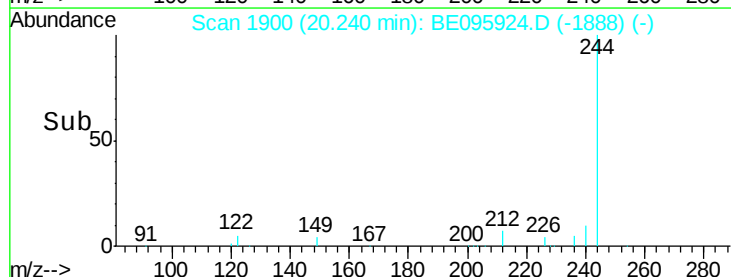
4000

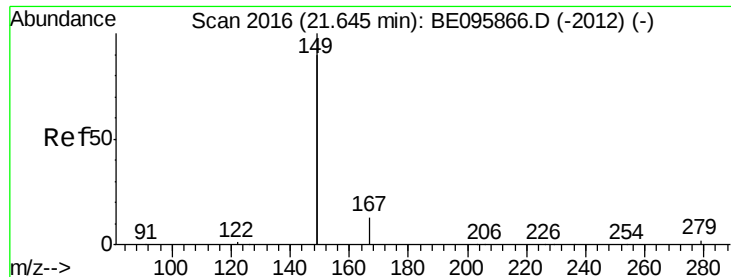
2000

0

20.20 20.30

Time-->





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.092 ng

RT: 21.64 min Scan# 2016

Delta R.T. -0.00 min

Lab File: BE095924.D

Acq: 2 Apr 2018 13:10

Instrument :

BNA_E

ClientSampleId :

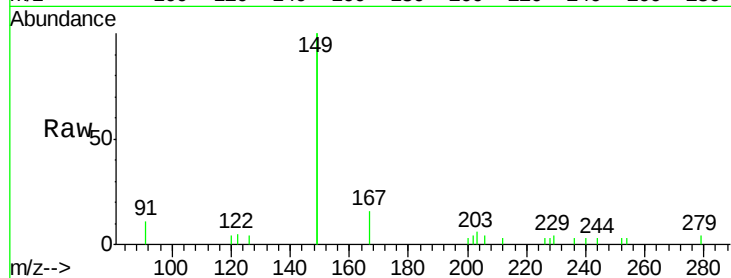
Tot Ion:149 Resp: 6822

Ion Ratio Lower Upper

149 100

167 7.5 5.4 8.0

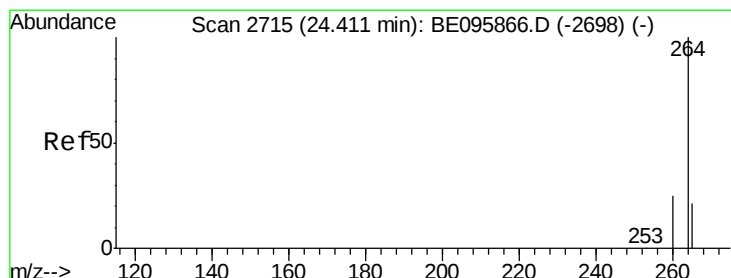
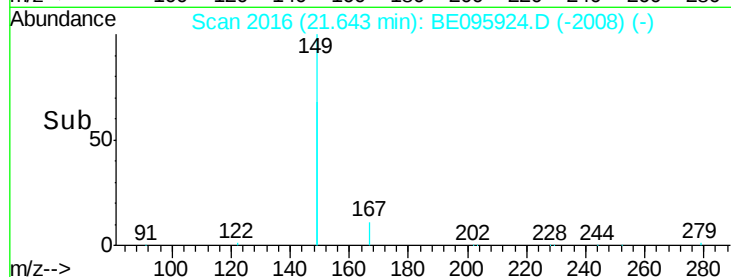
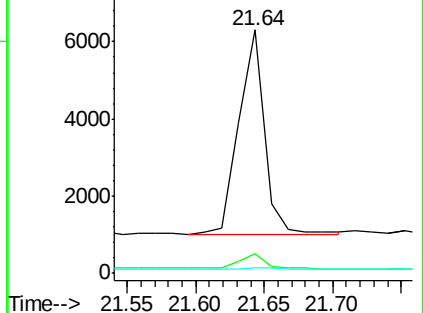
279 1.1 0.7 1.1#



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.42 min Scan# 2718

Delta R.T. -0.01 min

Lab File: BE095924.D

Acq: 2 Apr 2018 13:10

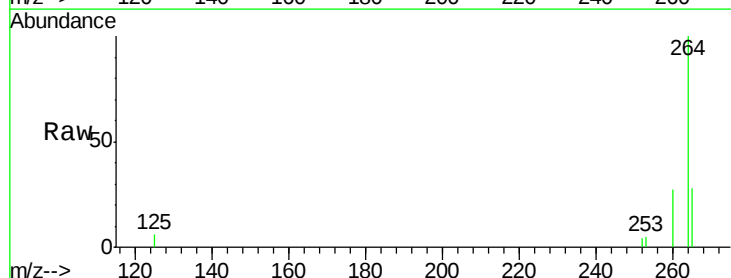
Tgt Ion:264 Resp: 6851

Ion Ratio Lower Upper

264 100

260 26.9 20.5 30.7

265 27.9 22.8 34.2



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

