

Data Path : Z:\HPCHEM1\BNA E\DATA\BE040418\
 Data File : BE095945.D
 Acq On : 4 Apr 2018 13:50
 Operator : SJ/JU
 Sample : J2148-02 20X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Apr 05 02:47:58 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	1196	0.40	ng	0.00
7) Naphthalene-d8	11.26	136	4896	0.40	ng	0.00
13) Acenaphthene-d10	14.99	164	2859	0.40	ng	-0.01
19) Phenanthrene-d10	17.70	188	6609	0.40	ng	-0.01
27) Chrysene-d12	21.79	240	6541	0.40	ng	-0.01
34) Perylene-d12	24.42	264	6512	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.91	112	80	0.02	ng	0.00
5) Phenol-d6	7.56	99	103	0.02	ng	0.00
8) Nitrobenzene-d5	9.59	82	126	0.02	ng	0.00
11) 2-Methylnaphthalene-d10	12.79	152	162	0.02	ng	-0.01
14) 2,4,6-Tribromophenol	16.46	330	26	0.02	ng	-0.01
15) 2-Fluorobiphenyl	13.63	172	236	0.02	ng	-0.01
25) Fluoranthene-d10	19.68	212	1419	0.01	ng	-0.01
29) Terphenyl-d14	20.24	244	252	0.02	ng	0.00

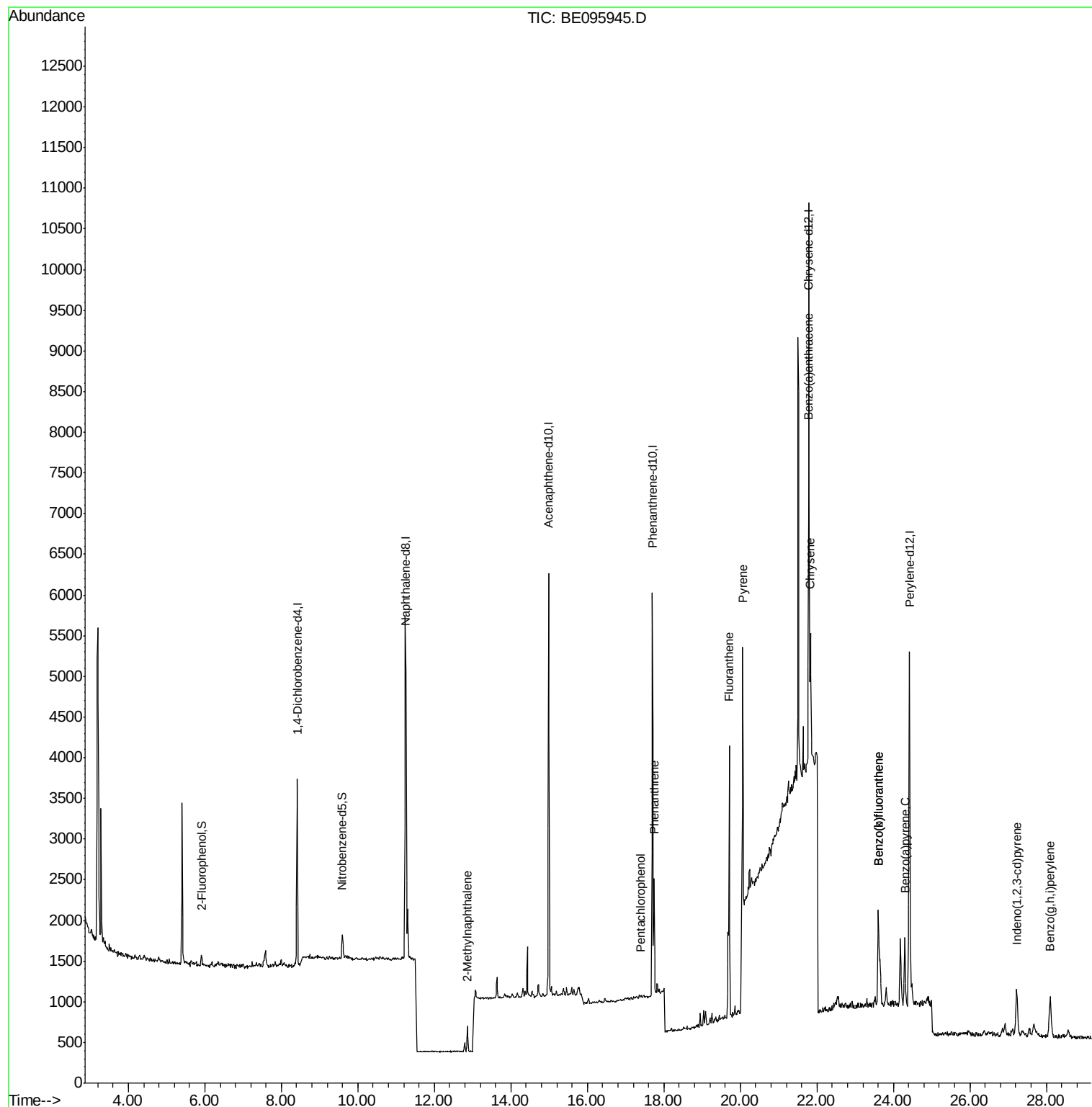
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 2-Methylnaphthalene	12.86	142	230	0.024	ng	# 89
22) Pentachlorophenol	17.38	266	1	0.132	ng	94
23) Phenanthrene	17.74	178	1511	0.076	ng	97
26) Fluoranthene	19.71	202	2964	0.108	ng	97
28) Pyrene	20.06	202	4048	0.152	ng	97
30) Benzo(a)anthracene	21.78	228	1282	0.057	ng	# 81
31) Chrysene	21.83	228	1840	0.089	ng	# 82
33) Indeno(1,2,3-cd)pyrene	27.23	276	1186	0.053	ng	# 93
35) Benzo(b)fluoranthene	23.61	252	2291	0.106	ng	# 73
36) Benzo(k)fluoranthene	23.61	252	2291	0.106	ng	# 55
37) Benzo(a)pyrene	24.30	252	1295	0.064	ng	# 39
39) Benzo(a,h,i)perylene	28.10	276	1246	0.065	ng	# 62

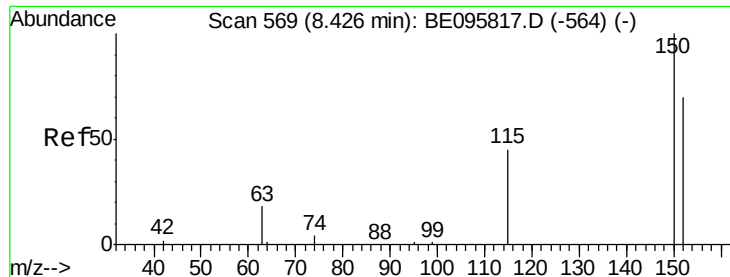
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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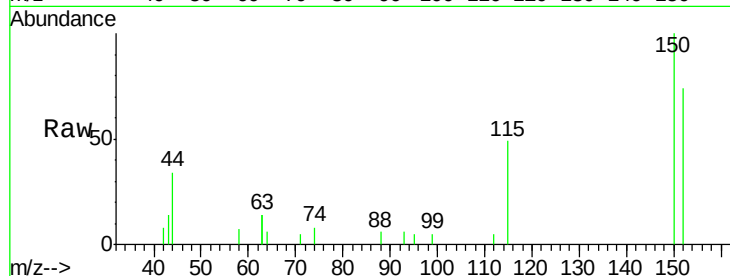


#1

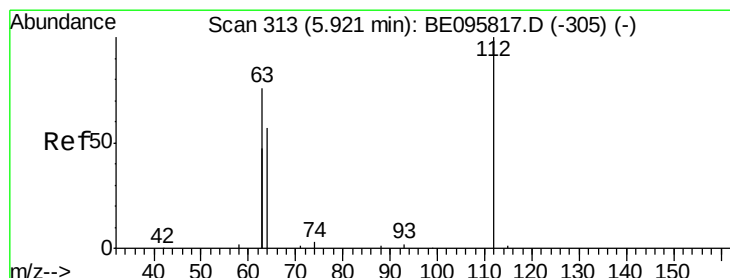
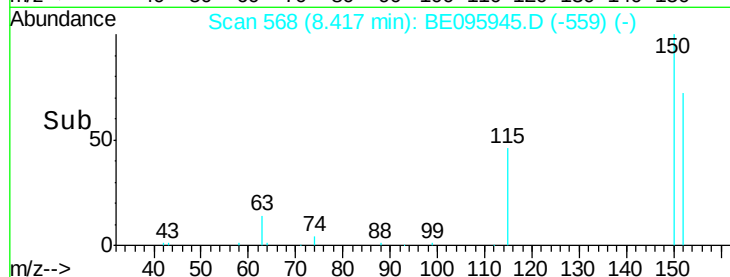
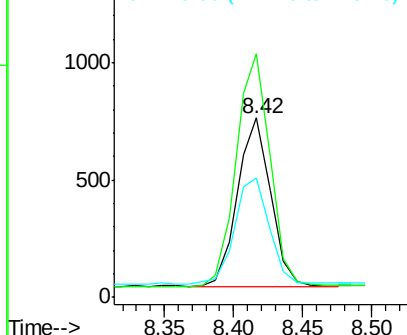
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.42 min Scan# 568
Delta R.T. -0.01 min
Lab File: BE095945.D
Acq: 4 Apr 2018 13:50

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1196
Ion Ratio Lower Upper
152 100
150 135.7 117.2 175.8
115 66.7 57.0 85.6



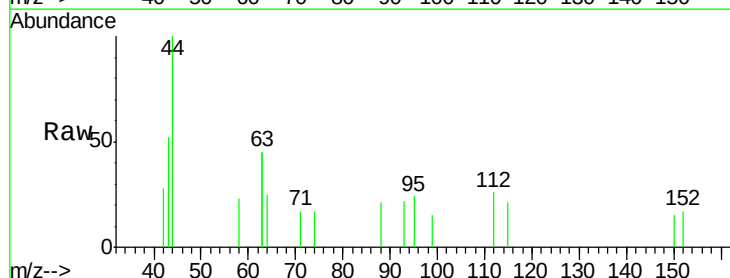
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



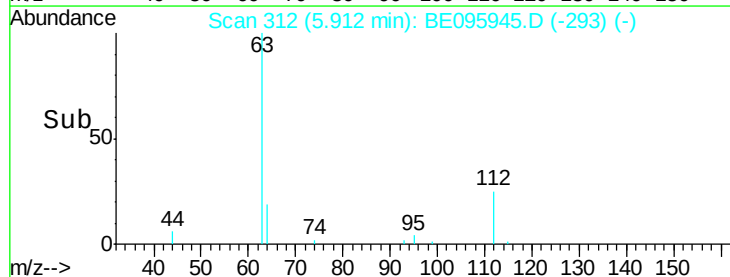
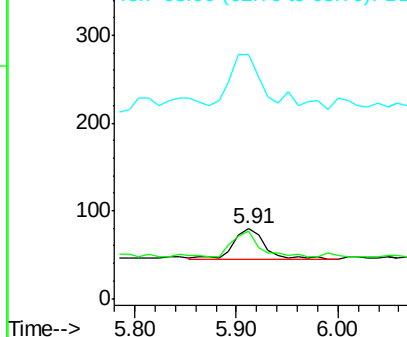
#4

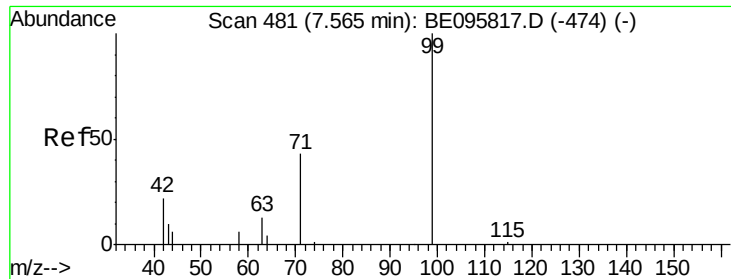
2-Fluorophenol
Concen: 0.020 ng
RT: 5.91 min Scan# 312
Delta R.T. -0.01 min
Lab File: BE095945.D
Acq: 4 Apr 2018 13:50

Tgt Ion:112 Resp: 80
Ion Ratio Lower Upper
112 100
64 62.5 60.1 90.1
63 146.3 116.8 175.2



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: 0.019 ng

RT: 7.56 min Scan# 480

Delta R.T. -0.01 min

Lab File: BE095945.D

Acq: 4 Apr 2018 13:50

Instrument :

BNA_E

ClientSampled :

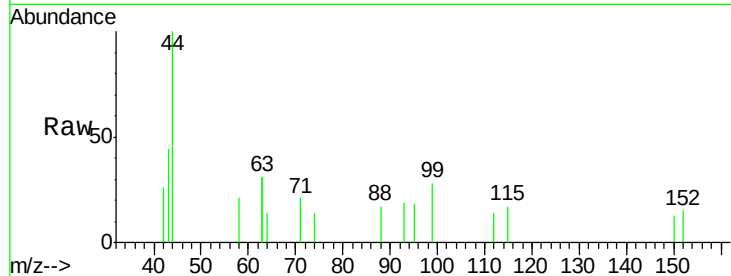
Tot Ion: 99 Resp: 103

Ion Ratio Lower Upper

99 100

42 48.5 20.2 30.2#

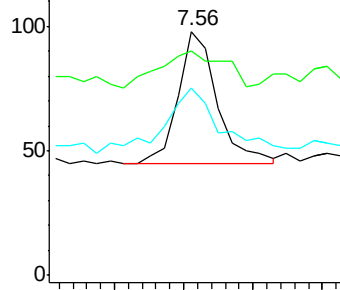
71 70.9 28.4 42.6#



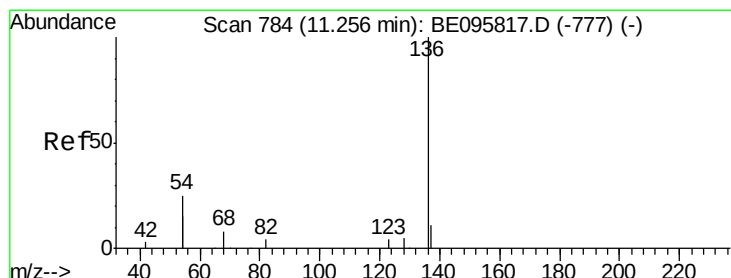
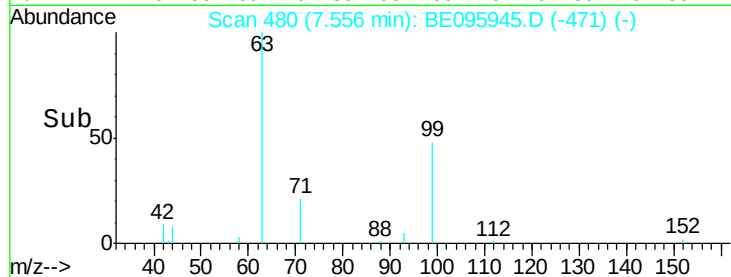
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.26 min Scan# 784

Delta R.T. 0.00 min

Lab File: BE095945.D

Acq: 4 Apr 2018 13:50

Tgt Ion: 136 Resp: 4896

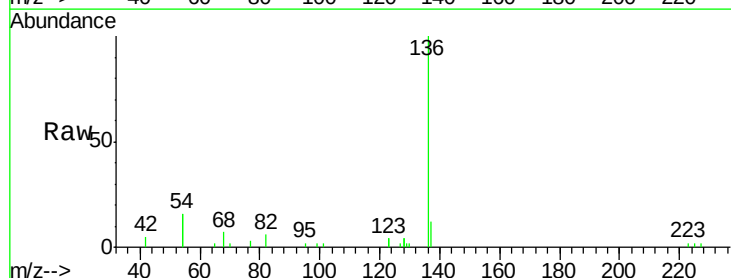
Ion Ratio Lower Upper

136 100

137 12.3 9.5 14.3

54 31.7 29.1 43.7

68 6.5 6.2 9.2

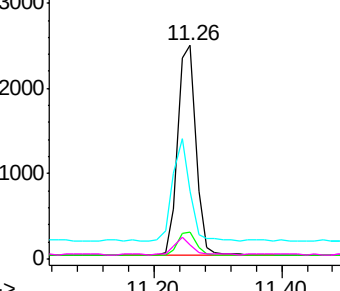


Abundance Ion 136.00 (135.70 to 136.70): E

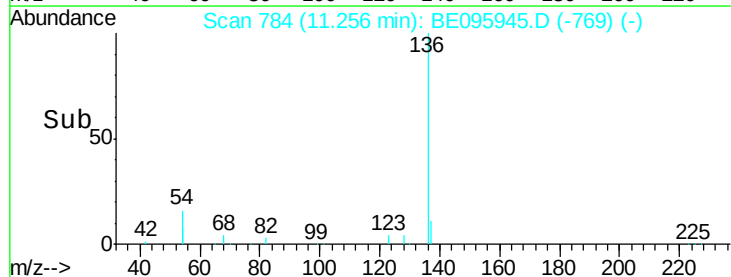
Ion 137.00 (136.70 to 137.70): E

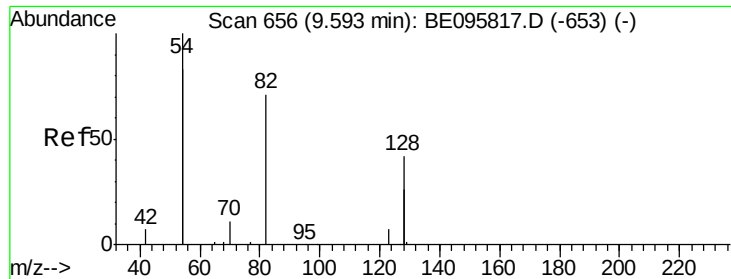
Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time-->





#8

Nitrobenzene-d5

Concen: 0.022 ng

RT: 9.59 min Scan# 656

Delta R.T. 0.00 min

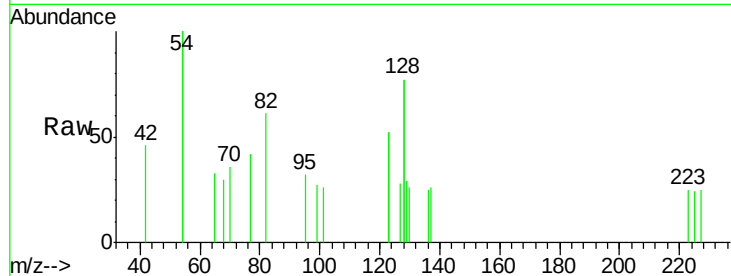
Lab File: BE095945.D

Acq: 4 Apr 2018 13:50

Instrument :

BNA_E

ClientSampled :



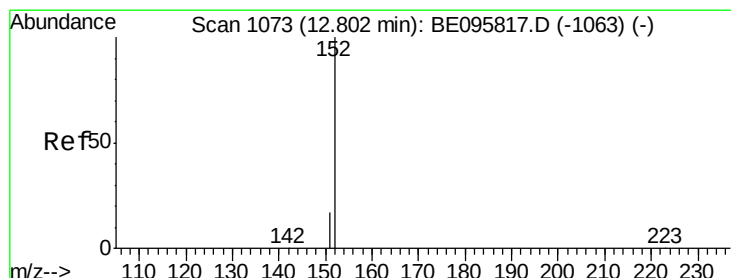
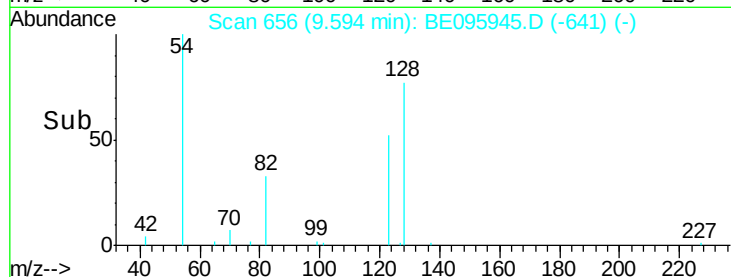
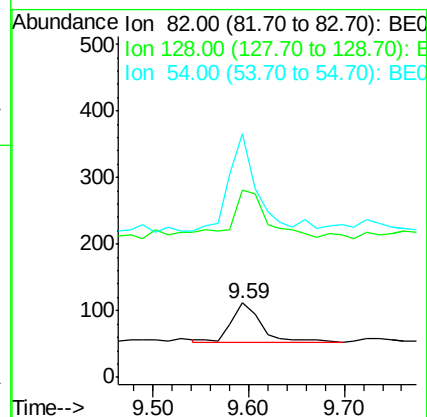
Tot Ion: 82 Resp: 126

Ion Ratio Lower Upper

82 100

128 251.8 150.0 225.0#

54 326.8 154.2 231.4#



#11

2-Methylnaphthalene-d10

Concen: 0.020 ng

RT: 12.79 min Scan# 1070

Delta R.T. -0.01 min

Lab File: BE095945.D

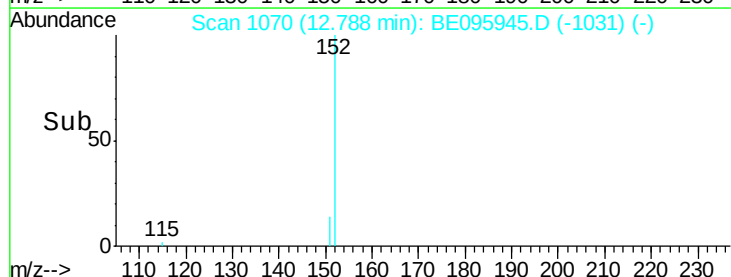
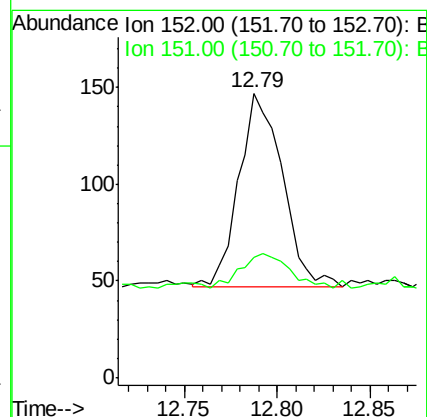
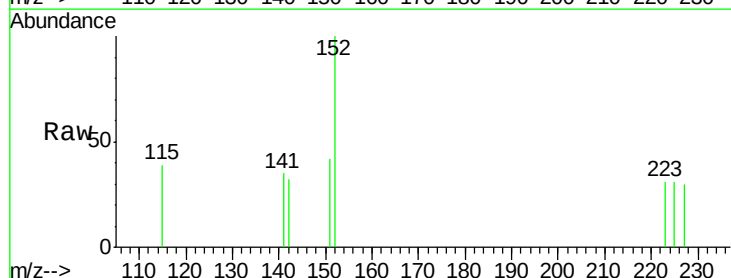
Acq: 4 Apr 2018 13:50

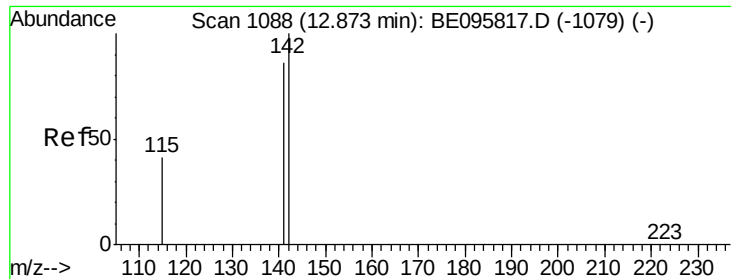
Tgt Ion: 152 Resp: 162

Ion Ratio Lower Upper

152 100

151 20.4 15.4 23.0

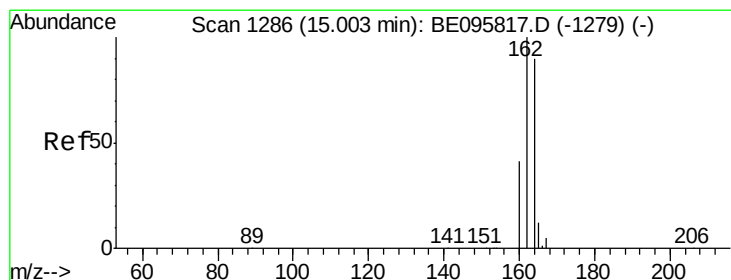
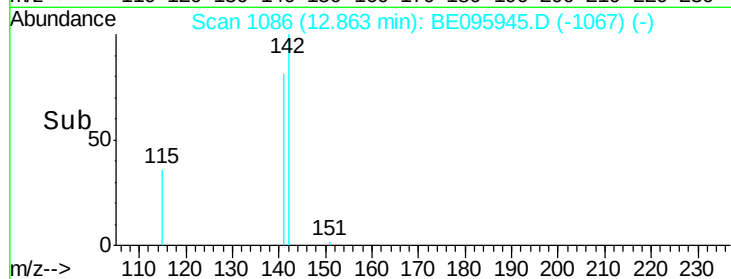
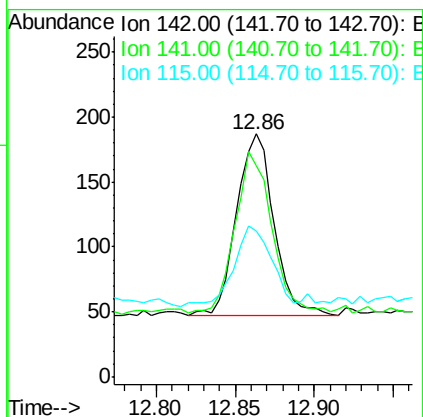
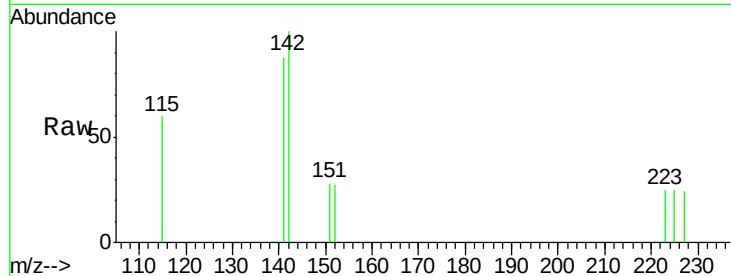




#12
2-Methylnaphthalene
Concen: 0.024 ng
RT: 12.86 min Scan# 1086
Delta R.T. -0.01 min
Lab File: BE095945.D
Acq: 4 Apr 2018 13:50

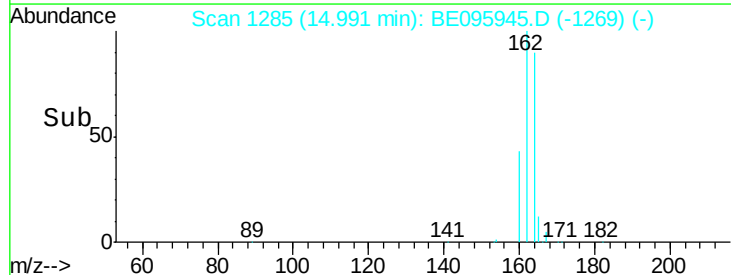
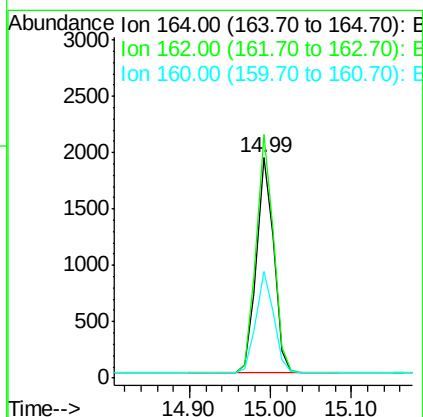
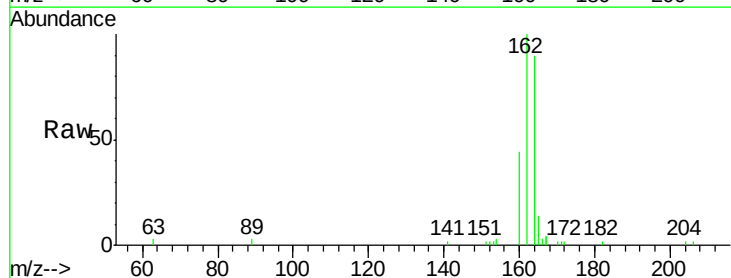
Instrument :
BNA_E
ClientSampled :

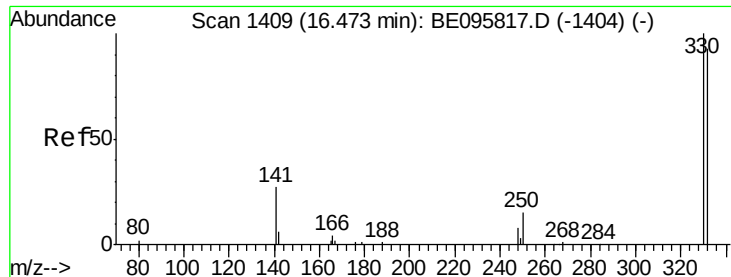
Tot Ion:142 Resp: 230
Ion Ratio Lower Upper
142 100
141 87.2 70.4 105.6
115 59.9 31.7 47.5#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.99 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BE095945.D
Acq: 4 Apr 2018 13:50

Tgt Ion:164 Resp: 2859
Ion Ratio Lower Upper
164 100
162 110.7 83.1 124.7
160 48.5 37.1 55.7

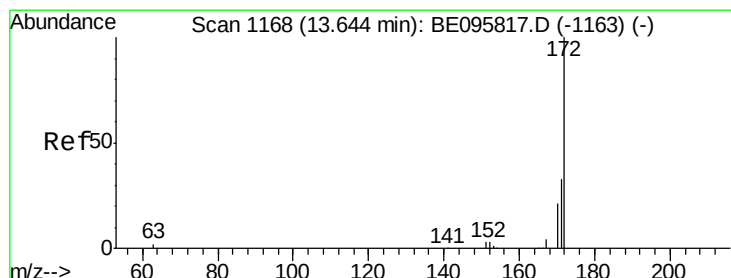
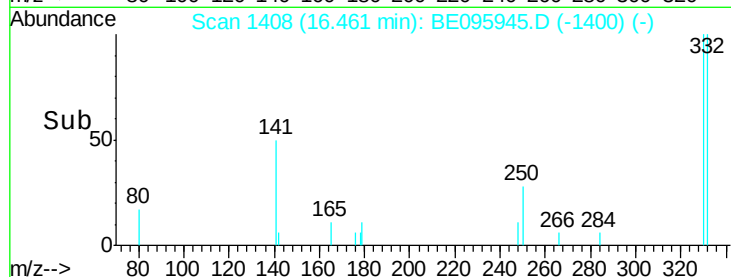
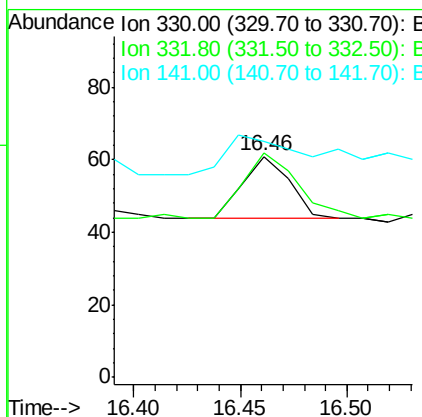
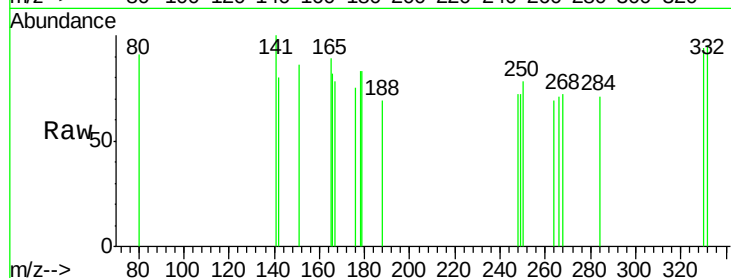




#14
2,4,6-Tribromophenol
Concen: 0.016 ng
RT: 16.46 min Scan# 1408
Delta R.T. -0.01 min
Lab File: BE095945.D
Acq: 4 Apr 2018 13:50

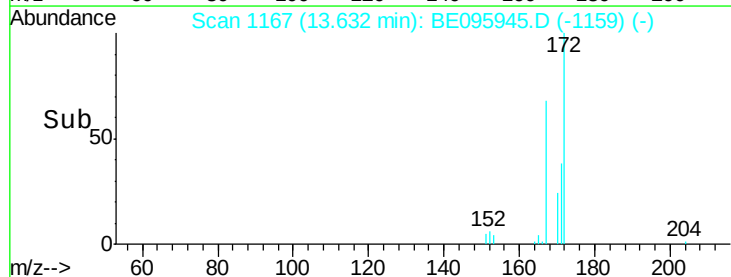
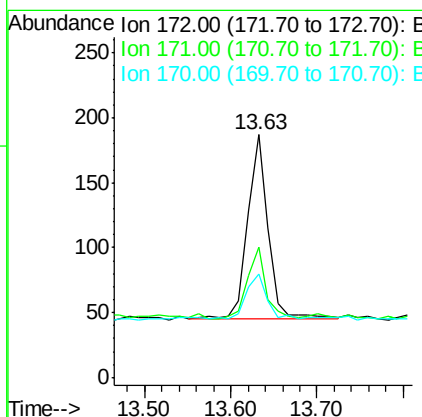
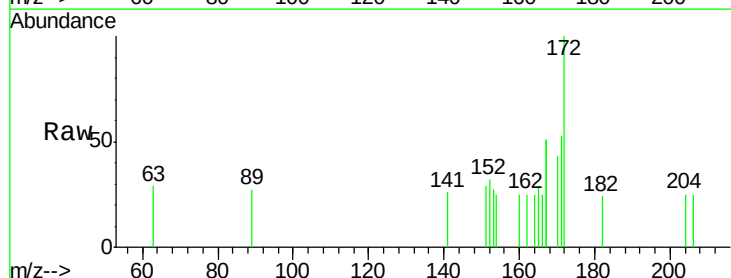
Instrument :
BNA_E
ClientSampled :

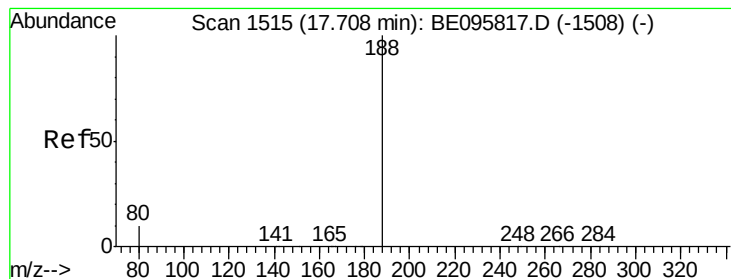
Tot Ion:330 Resp: 26
Ion Ratio Lower Upper
330 100
332 123.1 152.7 229.1#
141 119.2 33.7 50.5#



#15
2-Fluorobiphenyl
Concen: 0.020 ng
RT: 13.63 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BE095945.D
Acq: 4 Apr 2018 13:50

Tgt Ion:172 Resp: 236
Ion Ratio Lower Upper
172 100
171 53.5 29.9 44.9#
170 42.8 21.8 32.8#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.70 min Scan# 1514

Delta R.T. -0.01 min

Lab File: BE095945.D

Acq: 4 Apr 2018 13:50

Instrument :

BNA_E

ClientSampleId :

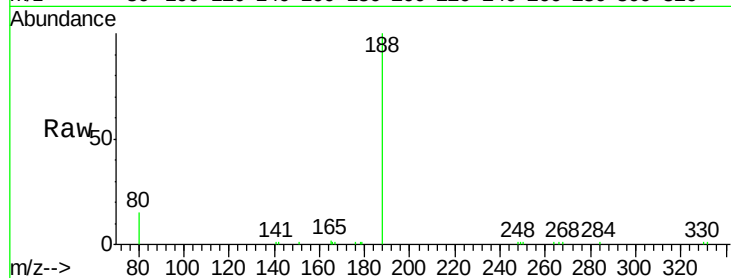
Tot Ion:188 Resp: 6609

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

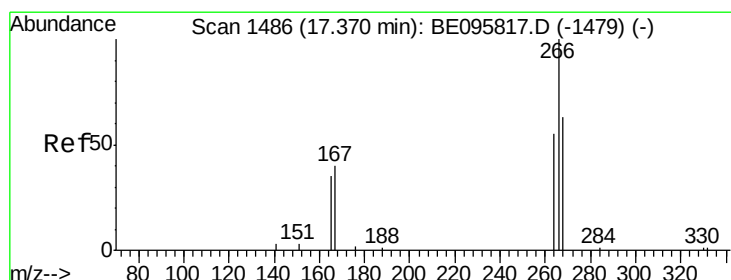
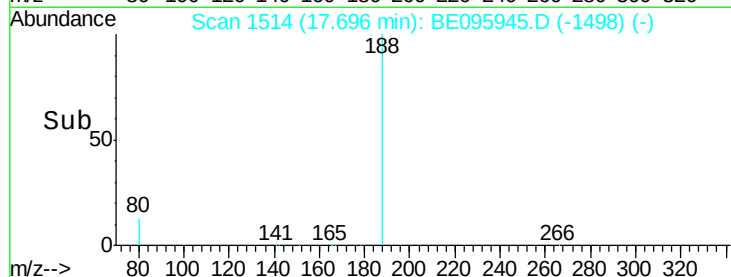
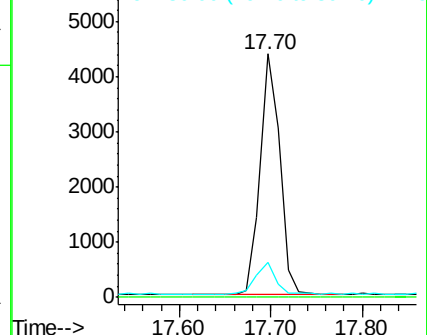
80 14.5 3.6 5.4#



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: 0.132 ng

RT: 17.38 min Scan# 1487

Delta R.T. 0.01 min

Lab File: BE095945.D

Acq: 4 Apr 2018 13:50

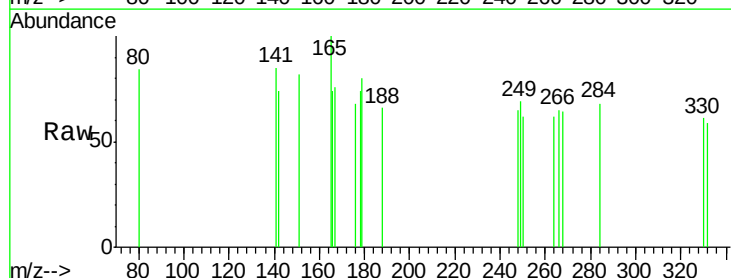
Tgt Ion:266 Resp: 1

Ion Ratio Lower Upper

266 100

264 95.8 72.5 108.7

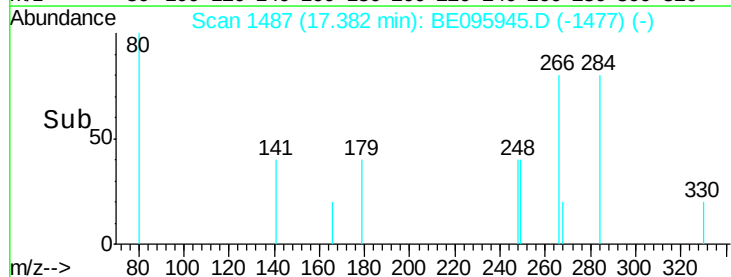
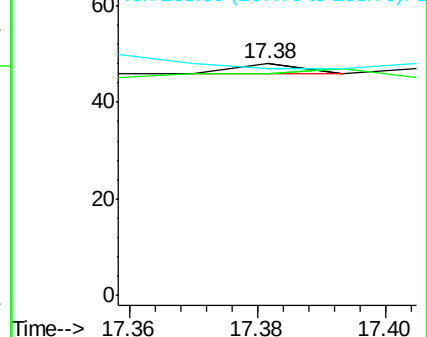
268 97.9 73.8 110.6

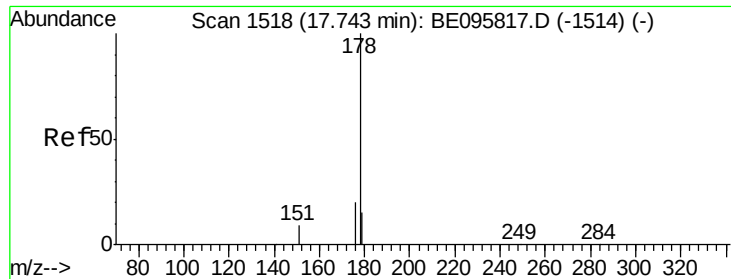


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.076 ng

RT: 17.74 min Scan# 1518

Delta R.T. -0.00 min

Lab File: BE095945.D

Acq: 4 Apr 2018 13:50

Instrument :

BNA_E

ClientSampled :

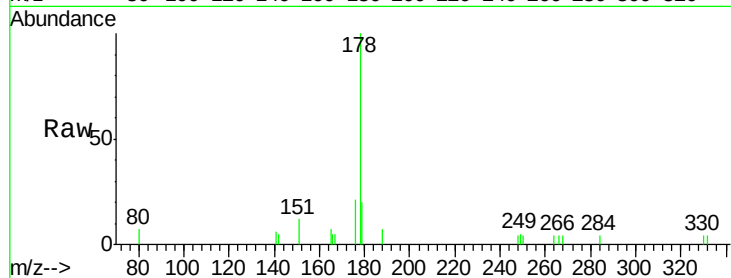
Tot Ion:178 Resp: 1511

Ion Ratio Lower Upper

178 100

176 20.3 15.1 22.7

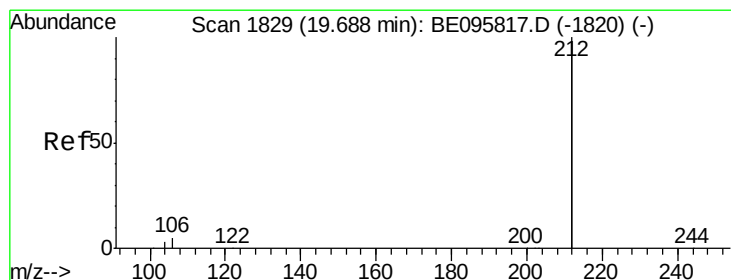
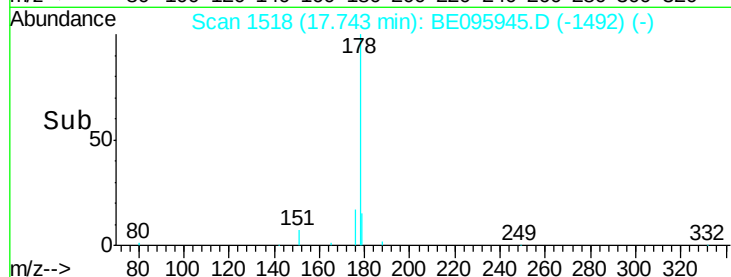
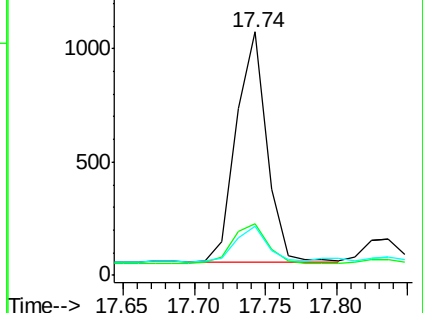
179 16.1 11.8 17.6



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: 0.014 ng

RT: 19.68 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BE095945.D

Acq: 4 Apr 2018 13:50

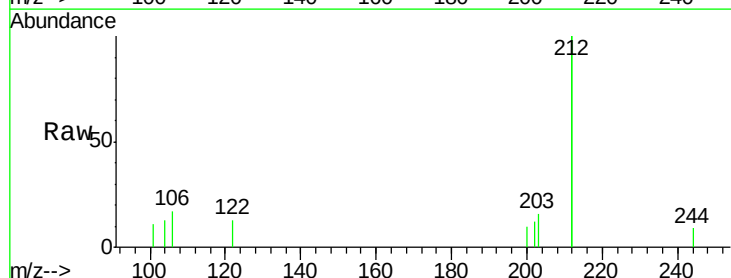
Tgt Ion:212 Resp: 1419

Ion Ratio Lower Upper

212 100

106 4.8 2.8 4.2#

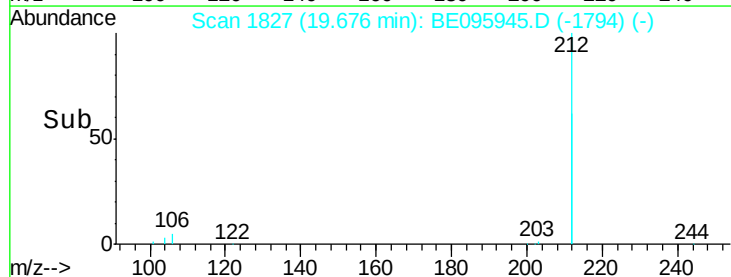
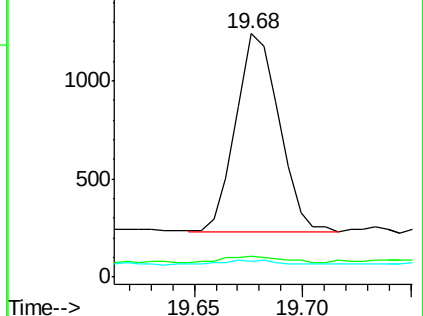
104 2.1 1.6 2.4

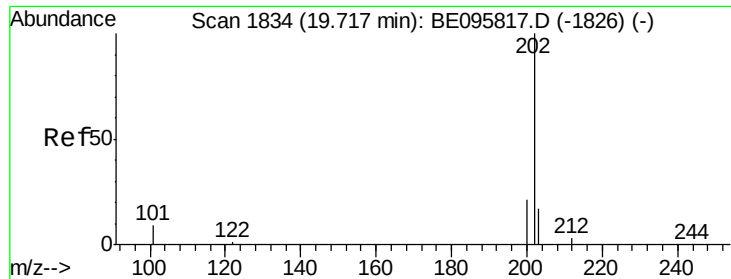


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

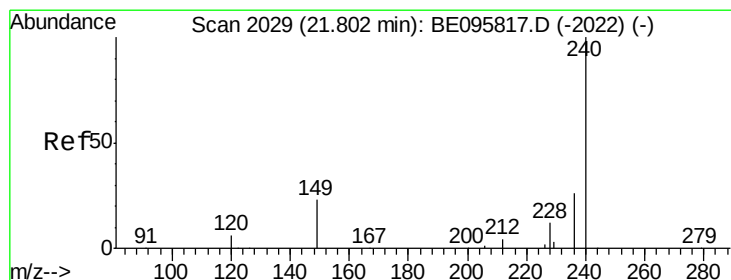
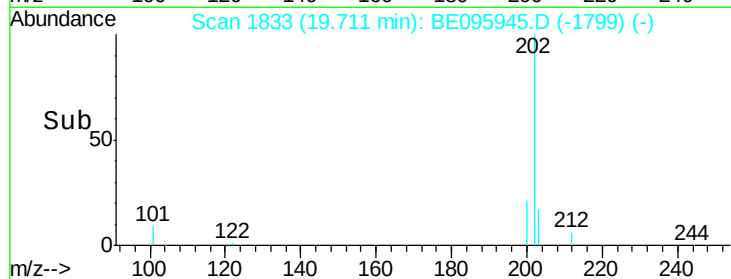
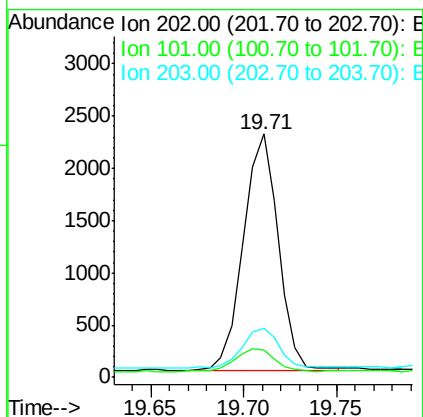
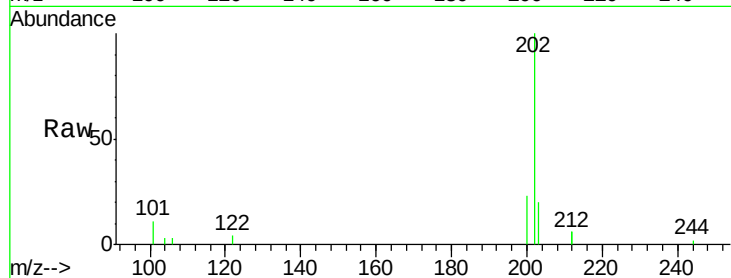




#26
 Fluoranthene
 Concen: 0.108 ng
 RT: 19.71 min Scan# 1833
 Delta R.T. -0.01 min
 Lab File: BE095945.D
 Acq: 4 Apr 2018 13:50

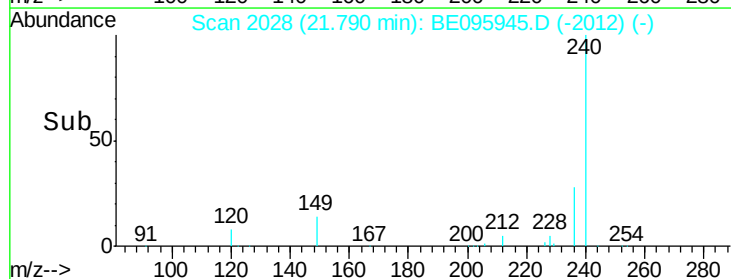
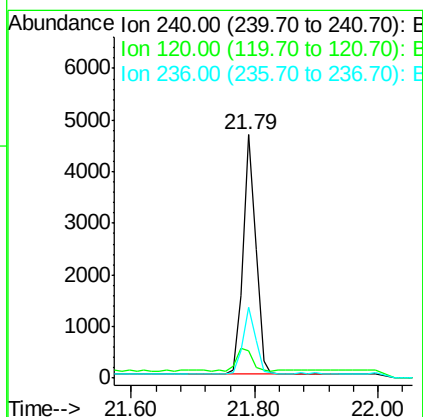
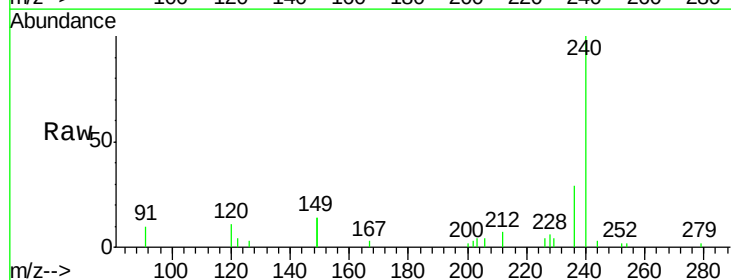
Instrument :
 BNA_E
 ClientSampleId :

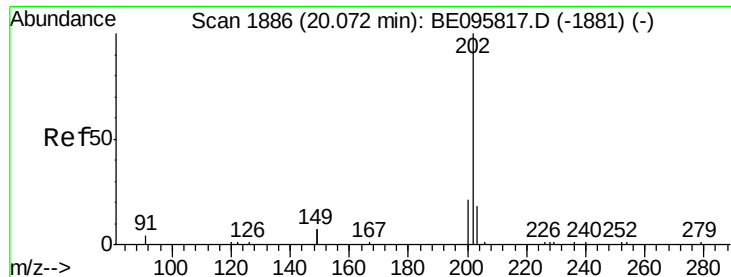
Tot Ion:202 Resp: 2964
 Ion Ratio Lower Upper
 202 100
 101 10.7 9.8 14.8
 203 17.8 13.7 20.5



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.79 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: BE095945.D
 Acq: 4 Apr 2018 13:50

Tgt Ion:240 Resp: 6541
 Ion Ratio Lower Upper
 240 100
 120 11.4 5.5 8.3#
 236 28.9 20.7 31.1





#28

Pvrene

Concen: 0.152 ng

RT: 20.06 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BE095945.D

Acq: 4 Apr 2018 13:50

Instrument :

BNA_E

ClientSampleId :

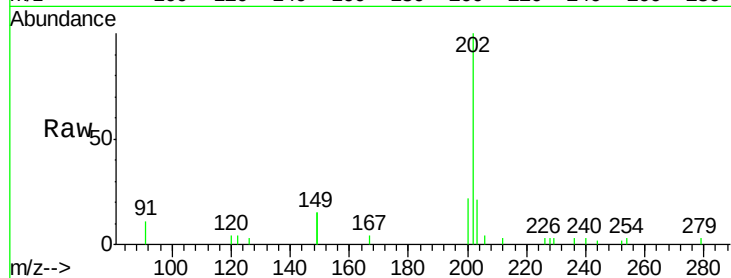
Tot Ion:202 Resp: 4048

Ion Ratio Lower Upper

202 100

200 19.5 16.6 25.0

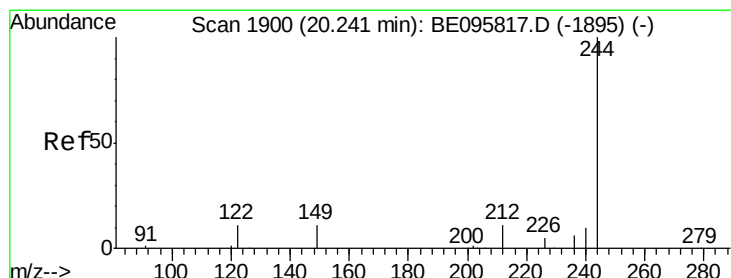
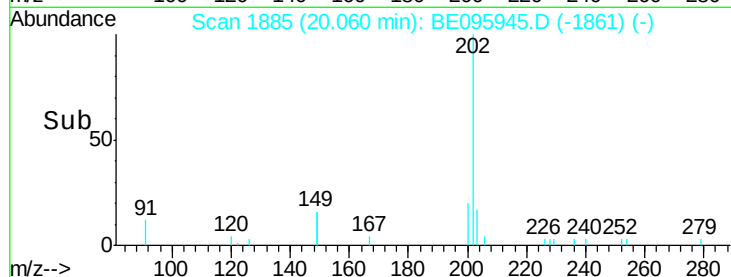
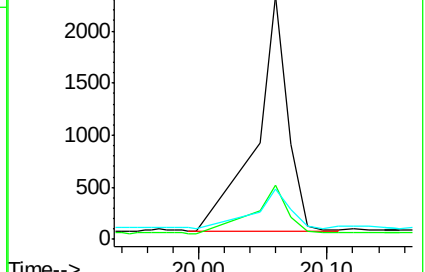
203 18.6 13.8 20.8



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: 0.018 ng

RT: 20.24 min Scan# 1900

Delta R.T. 0.00 min

Lab File: BE095945.D

Acq: 4 Apr 2018 13:50

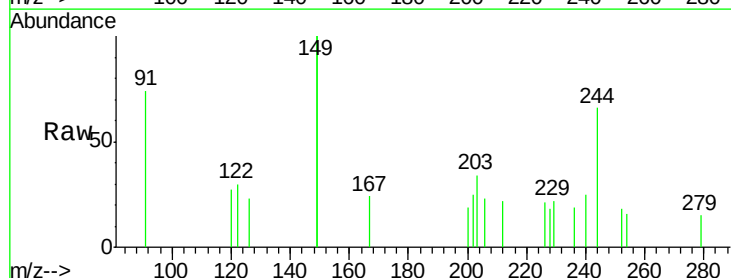
Tgt Ion:244 Resp: 252

Ion Ratio Lower Upper

244 100

212 33.9 25.4 38.0

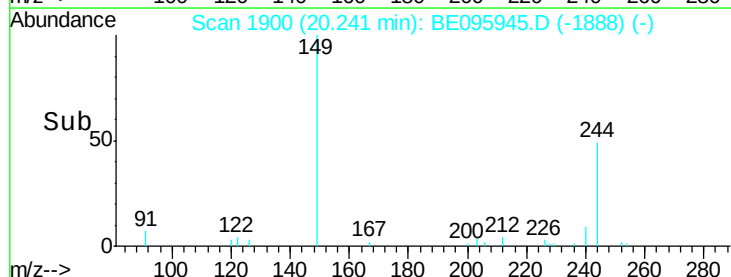
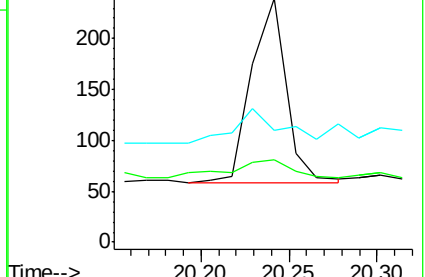
122 46.0 8.1 12.1#

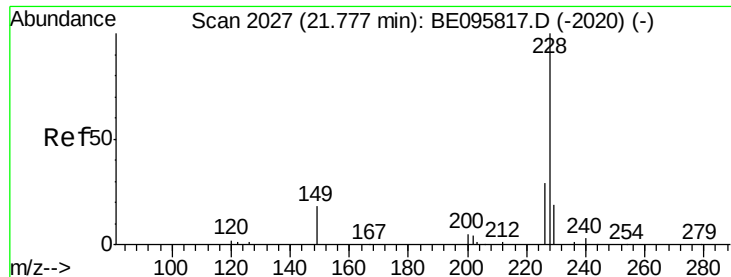


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.057 ng

RT: 21.78 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BE095945.D

Acq: 4 Apr 2018 13:50

Instrument :

BNA_E

ClientSampled :

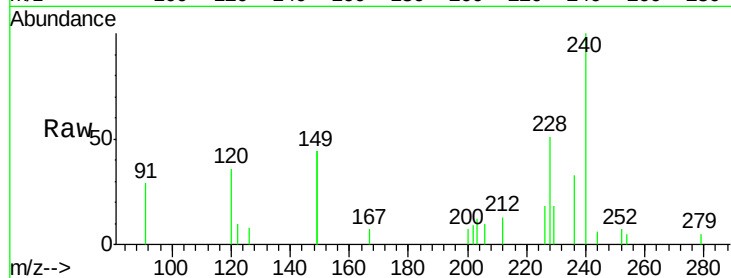
Tot Ion:228 Resp: 1282

Ion Ratio Lower Upper

228 100

226 36.1 24.0 36.0#

229 34.4 16.0 24.0#

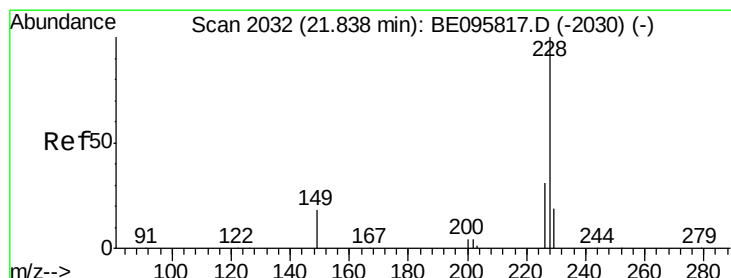
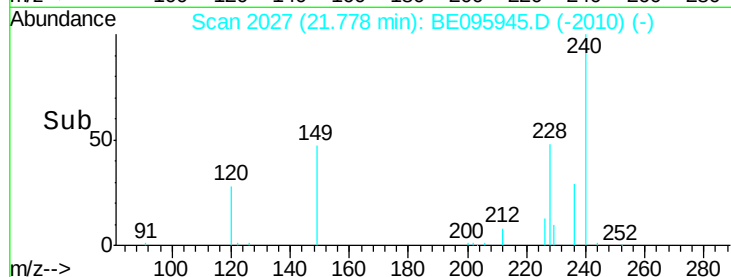
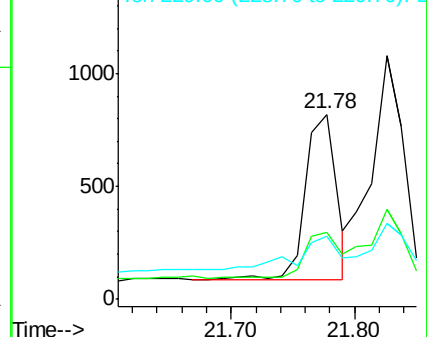


Abundance

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: 0.089 ng

RT: 21.83 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BE095945.D

Acq: 4 Apr 2018 13:50

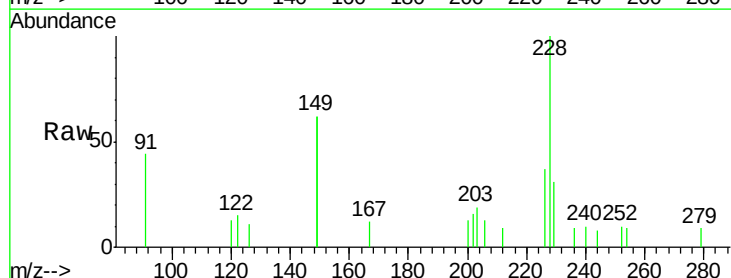
Tgt Ion:228 Resp: 1840

Ion Ratio Lower Upper

228 100

226 37.2 24.0 36.0#

229 31.4 16.0 24.0#

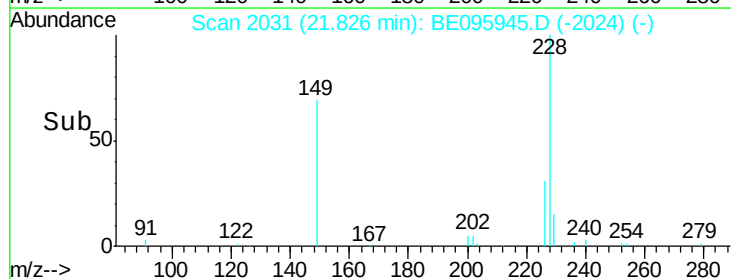
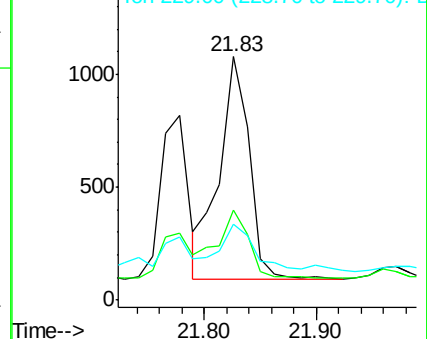


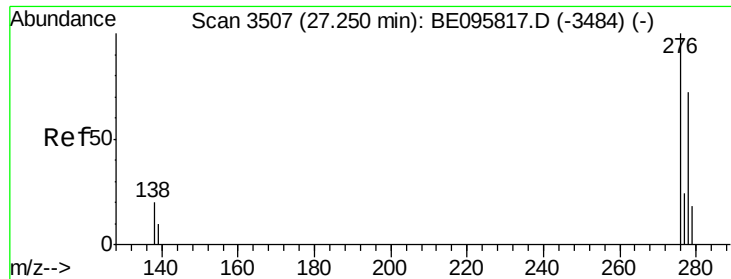
Abundance

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

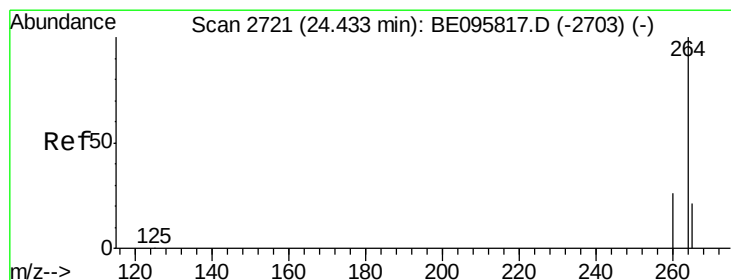
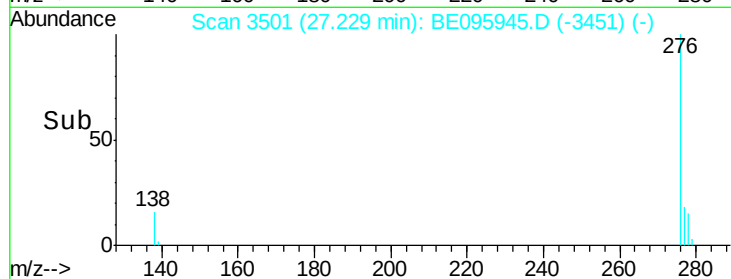
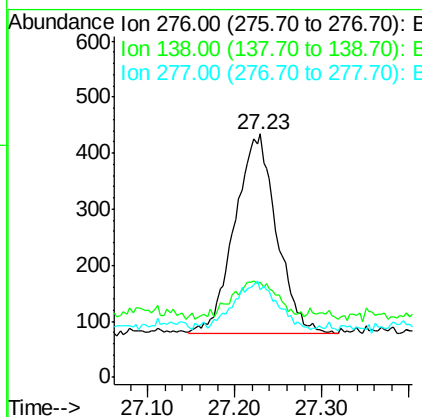
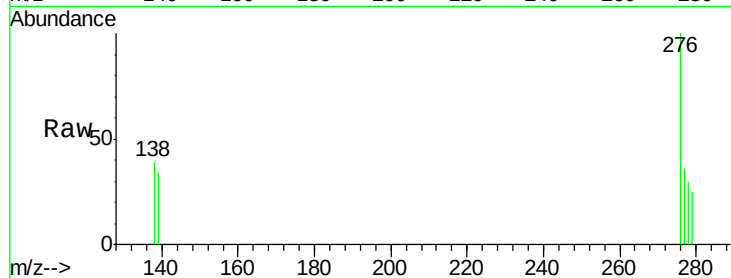




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.053 ng
 RT: 27.23 min Scan# 3501
 Delta R.T. -0.02 min
 Lab File: BE095945.D
 Acq: 4 Apr 2018 13:50

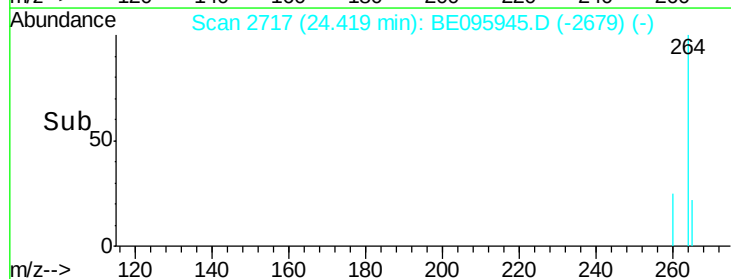
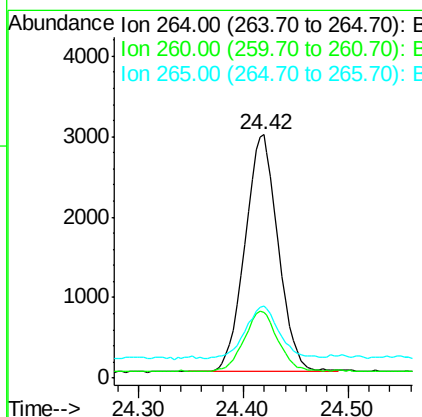
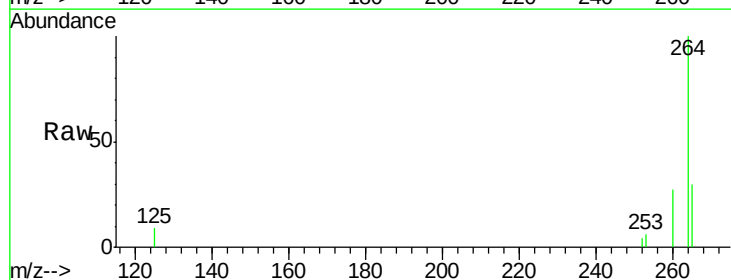
Instrument :
 BNA_E
 ClientSampleId :

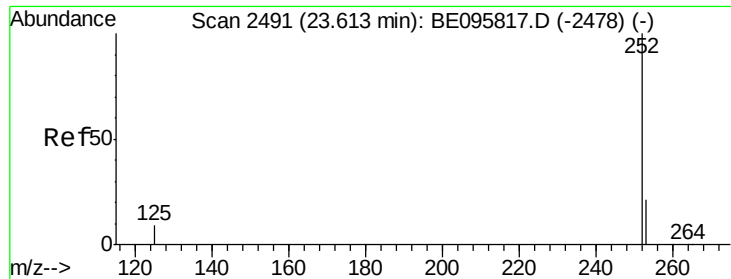
Tot Ion:276 Resp: 1186
 Ion Ratio Lower Upper
 276 100
 138 20.9 22.5 33.7#
 277 24.6 19.9 29.9



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.42 min Scan# 2717
 Delta R.T. -0.01 min
 Lab File: BE095945.D
 Acq: 4 Apr 2018 13:50

Tgt Ion:264 Resp: 6512
 Ion Ratio Lower Upper
 264 100
 260 26.7 20.5 30.7
 265 29.5 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.106 ng

RT: 23.61 min Scan# 2489

Delta R.T. -0.01 min

Lab File: BE095945.D

Acq: 4 Apr 2018 13:50

Instrument :

BNA_E

ClientSampleId :

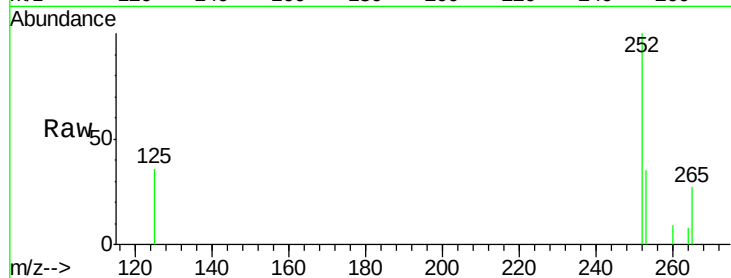
Tot Ion:252 Resp: 2291

Ion Ratio Lower Upper

252 100

253 35.1 20.0 30.0#

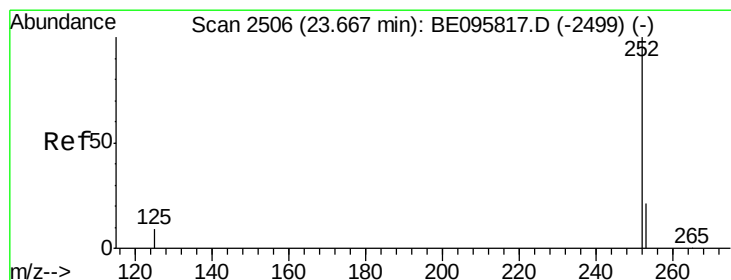
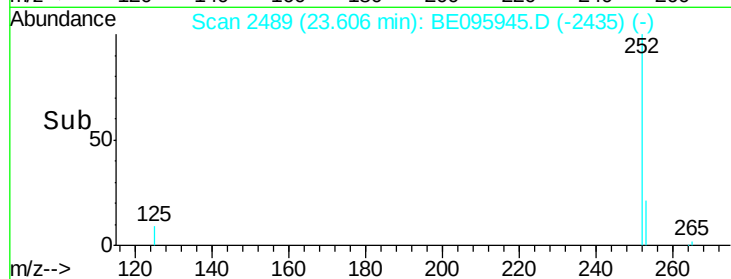
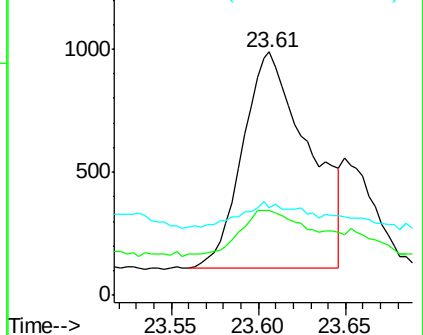
125 36.0 16.0 24.0#



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



#36

Benzo(k)fluoranthene

Concen: 0.106 ng

RT: 23.61 min Scan# 2489

Delta R.T. -0.06 min

Lab File: BE095945.D

Acq: 4 Apr 2018 13:50

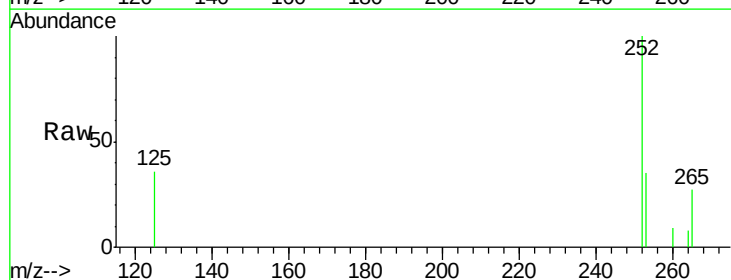
Tgt Ion:252 Resp: 2291

Ion Ratio Lower Upper

252 100

253 35.1 16.0 24.0#

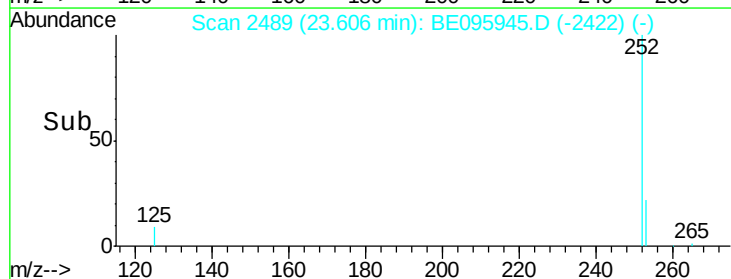
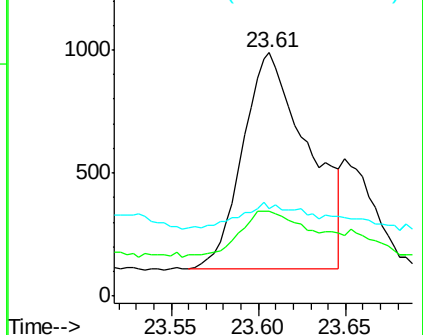
125 36.0 8.0 12.0#

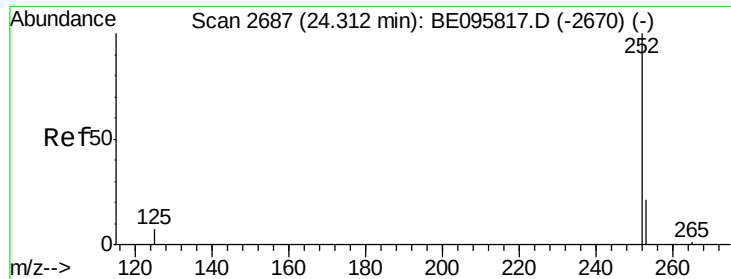


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.064 ng

RT: 24.30 min Scan# 2683

Delta R.T. -0.01 min

Lab File: BE095945.D

Acq: 4 Apr 2018 13:50

Instrument :

BNA_E

ClientSampleId :

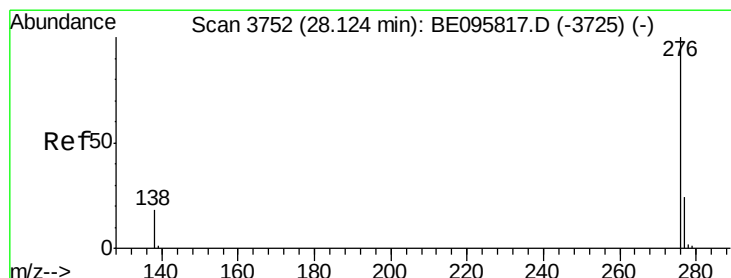
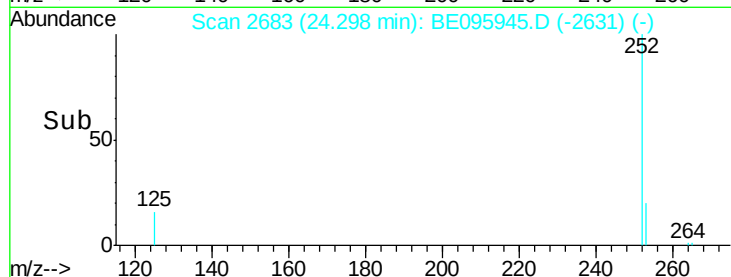
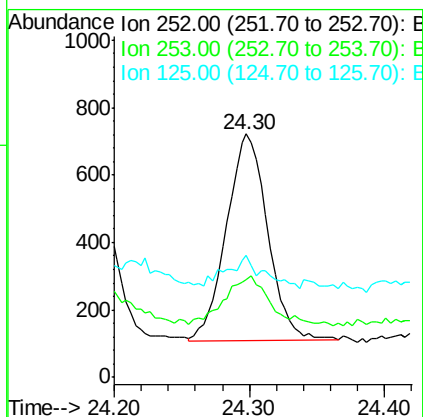
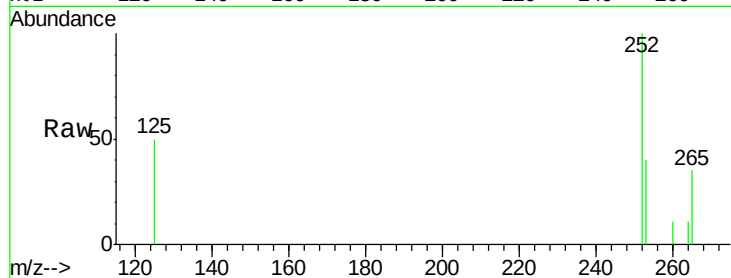
Tot Ion:252 Resp: 1295

Ion Ratio Lower Upper

252 100

253 40.0 16.0 24.0#

125 49.9 12.0 18.0#



#39

Benzo(g,h,i)perylene

Concen: 0.065 ng

RT: 28.10 min Scan# 3746

Delta R.T. -0.02 min

Lab File: BE095945.D

Acq: 4 Apr 2018 13:50

Tgt Ion:276 Resp: 1246

Ion Ratio Lower Upper

276 100

277 37.4 16.0 24.0#

138 44.0 20.0 30.0#

