

Data Path : Z:\HPCHEM1\BNA E\DATA\BE030618\
 Data File : BE095706.D
 Acq On : 6 Mar 2018 20:23
 Operator : SJ/JU
 Sample : J1811-02 20X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 07 01:11:49 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE022318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 12:12:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.43	152	1400	0.40	ng	0.00
7) Naphthalene-d8	11.27	136	5695	0.40	ng	0.00
13) Acenaphthene-d10	15.00	164	3340	0.40	ng	0.00
19) Phenanthrene-d10	17.71	188	7672	0.40	ng	0.00
27) Chrysene-d12	21.80	240	7769	0.40	ng	0.00
34) Perylene-d12	24.43	264	7315	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.92	112	39	0.01	ng	0.00
5) Phenol-d6	7.56	99	51	0.01	ng	0.00
8) Nitrobenzene-d5	9.61	82	67	0.01	ng	0.00
11) 2-Methylnaphthalene-d10	12.80	152	111	0.01	ng	0.00
14) 2,4,6-Tribromophenol	16.48	330	11	0.12	ng	0.00
15) 2-Fluorobiphenyl	13.64	172	162	0.01	ng	0.00
25) Fluoranthene-d10	19.68	212	843	0.01	ng	0.00
29) Terphenyl-d14	20.24	244	147	0.01	ng	-0.01

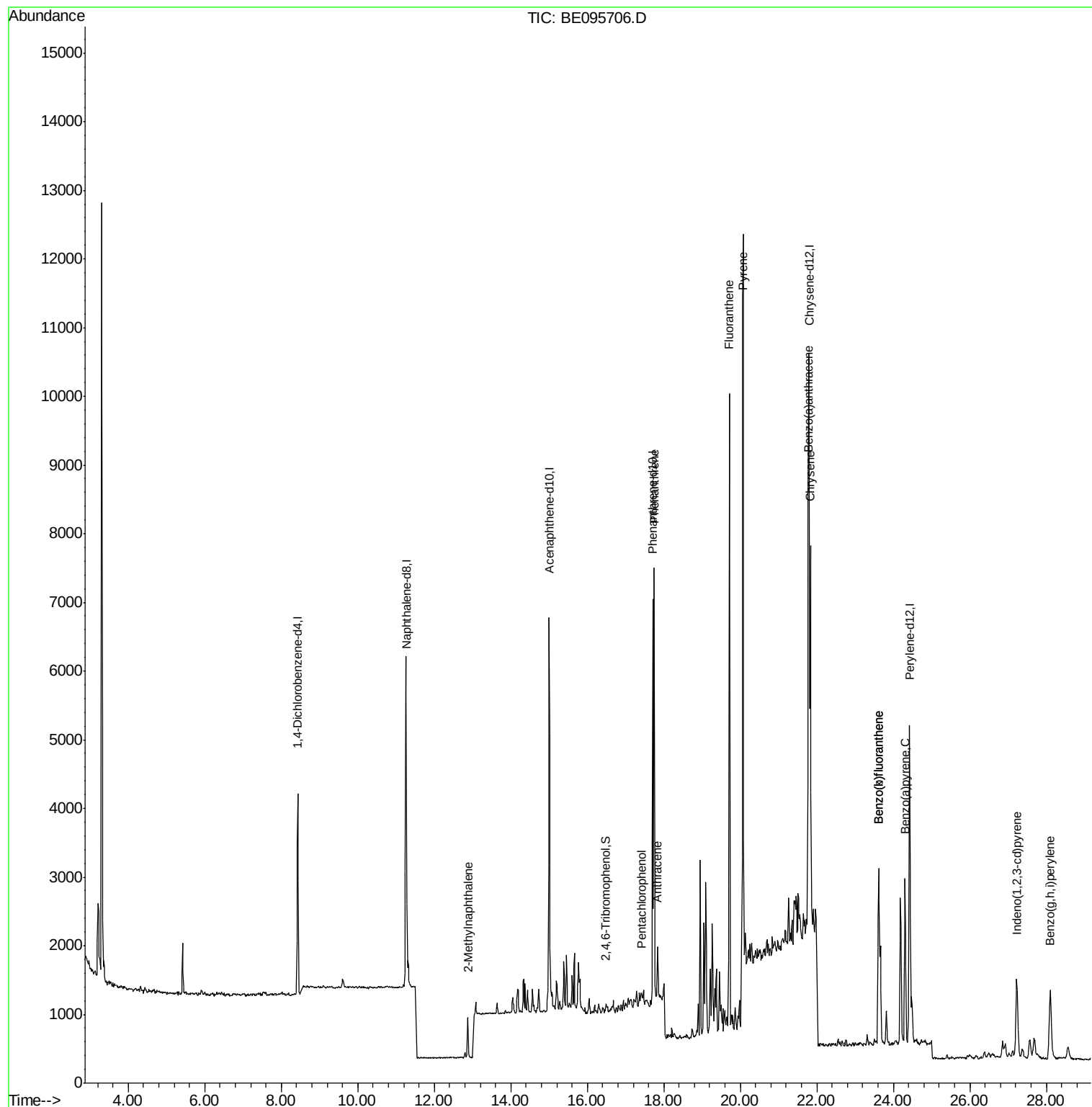
Target Compounds				Qvalue		
12) 2-Methylnaphthalene	12.88	142	426	0.038	ng	# 89
22) Pentachlorophenol	17.42	266	3	0.180	ng	93
23) Phenanthrene	17.75	178	7069	0.295	ng	99
24) Anthracene	17.83	178	995	0.045	ng	93
26) Fluoranthene	19.72	202	8470	0.287	ng	97
28) Pyrene	20.07	202	16069	0.506	ng	98
30) Benzo(a)anthracene	21.78	228	5378	0.212	ng	97
31) Chrysene	21.84	228	5751	0.228	ng	95
33) Indeno(1,2,3-cd)pyrene	27.22	276	2243	0.092	ng	# 91
35) Benzo(b)fluoranthene	23.61	252	5123	0.197	ng	# 91
36) Benzo(k)fluoranthene	23.61	252	5123	0.198	ng	# 87
37) Benzo(a)pyrene	24.31	252	3945	0.168	ng	# 91
39) Benzo(a,h,i)perylene	28.10	276	2754	0.123	ng	# 91

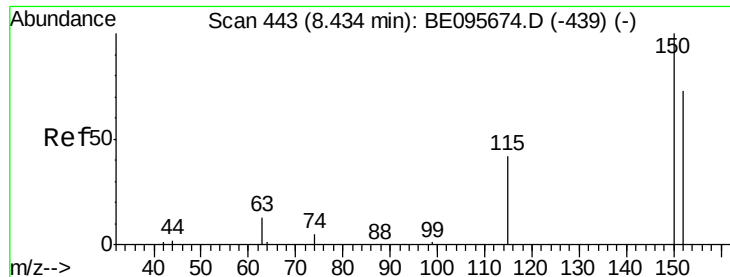
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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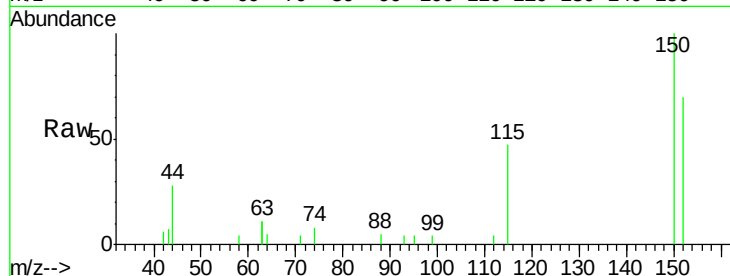


#1

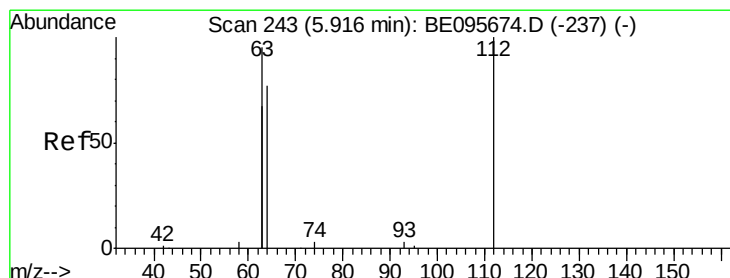
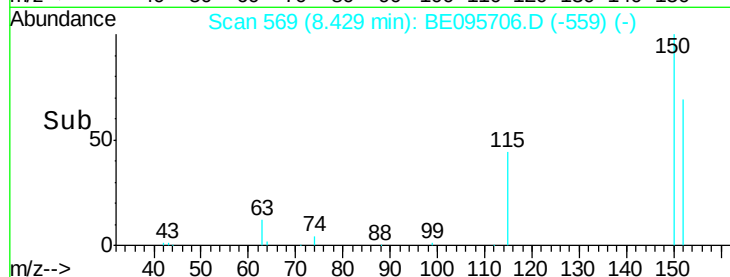
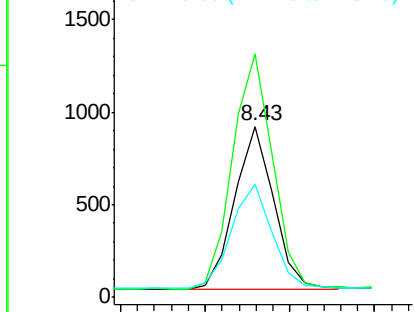
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.43 min Scan# 569
Delta R.T. -0.00 min
Lab File: BE095706.D
Acq: 6 Mar 2018 20:23

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1400
Ion Ratio Lower Upper
152 100
150 142.5 117.2 175.8
115 66.5 57.0 85.6



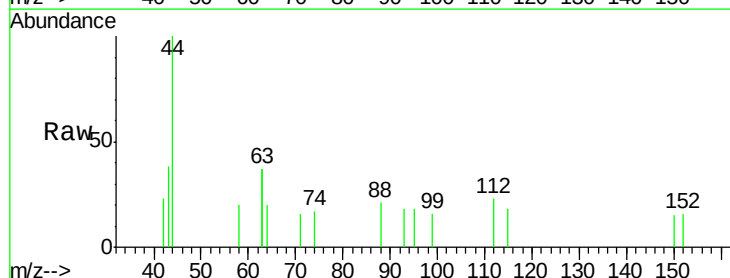
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



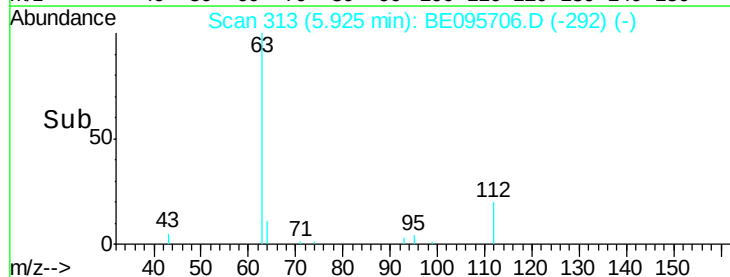
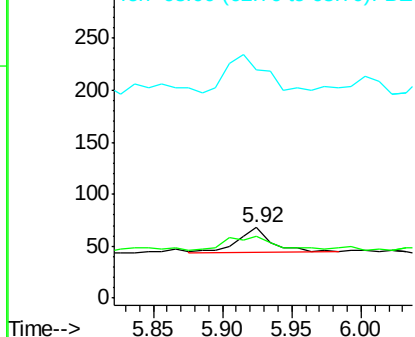
#4

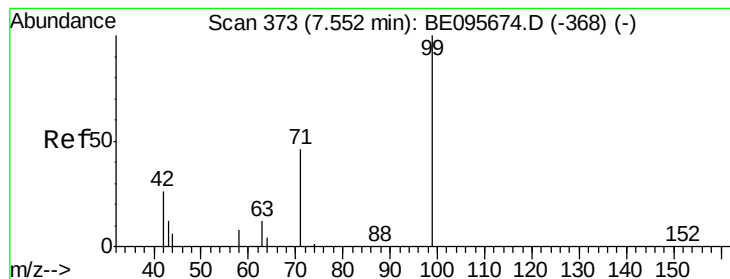
2-Fluorophenol
Concen: 0.011 ng
RT: 5.92 min Scan# 313
Delta R.T. 0.01 min
Lab File: BE095706.D
Acq: 6 Mar 2018 20:23

Tgt Ion:112 Resp: 39
Ion Ratio Lower Upper
112 100
64 79.5 60.1 90.1
63 184.6 116.8 175.2#



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: 0.010 ng

RT: 7.56 min Scan# 480

Delta R.T. 0.01 min

Lab File: BE095706.D

Acq: 6 Mar 2018 20:23

Instrument :

BNA_E

ClientSampled :

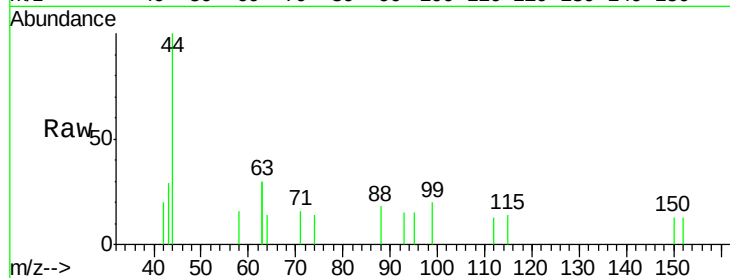
Tot Ion: 99 Resp: 51

Ion Ratio Lower Upper

99 100

42 0.0 20.2 30.2#

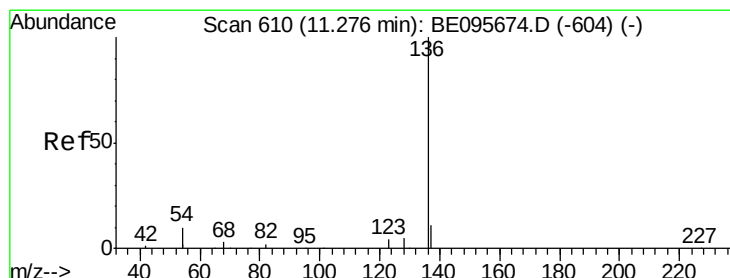
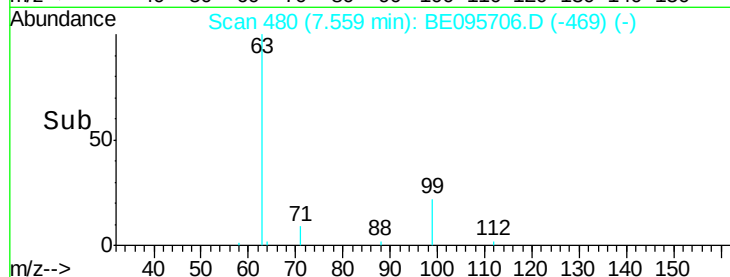
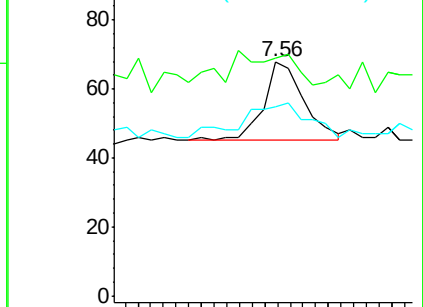
71 68.6 28.4 42.6#



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: 11.27 min Scan# 785

Delta R.T. -0.01 min

Lab File: BE095706.D

Acq: 6 Mar 2018 20:23

Tgt Ion: 136 Resp: 5695

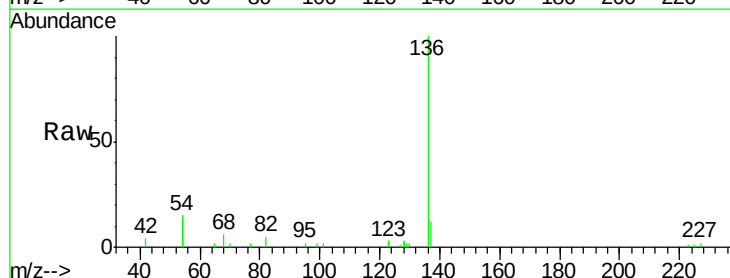
Ion Ratio Lower Upper

136 100

137 12.0 9.5 14.3

54 29.8 29.1 43.7

68 5.9 6.2 9.2#

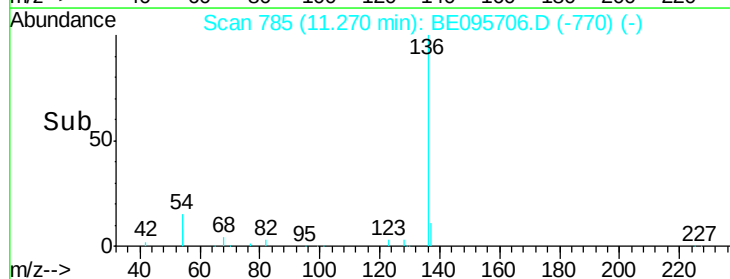
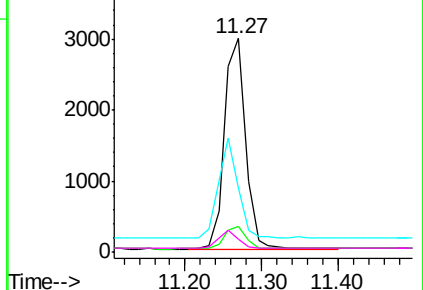


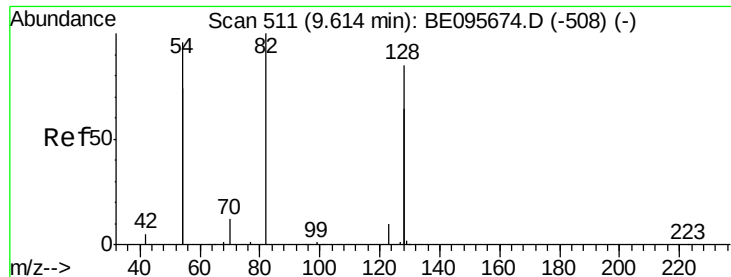
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.011 ng

RT: 9.61 min Scan# 657

Delta R.T. -0.01 min

Lab File: BE095706.D

Acq: 6 Mar 2018 20:23

Instrument :

BNA_E

ClientSampleId :

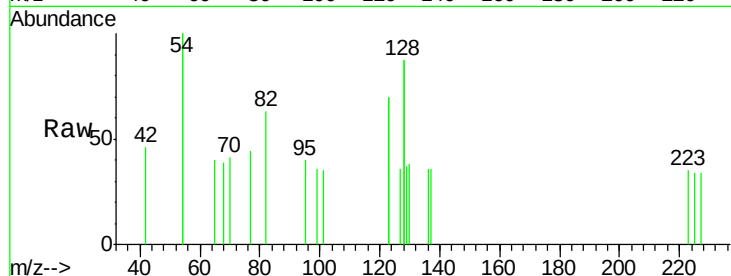
Tot Ion: 82 Resp: 67

Ion Ratio Lower Upper

82 100

128 274.1 150.0 225.0#

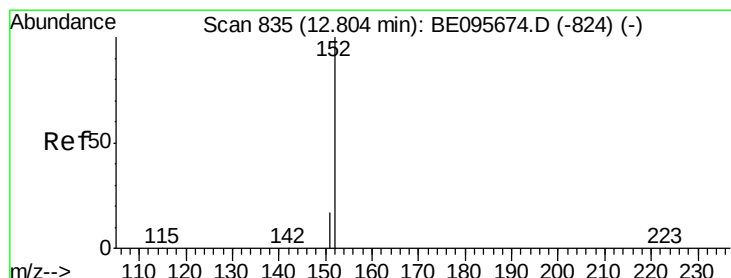
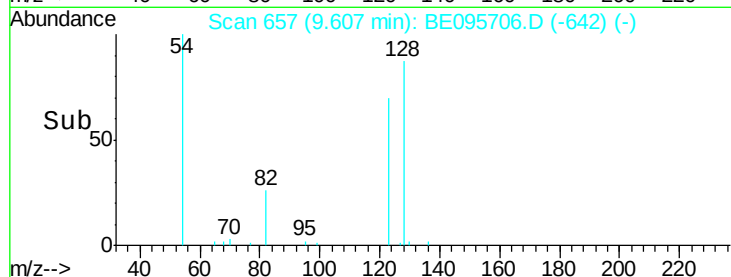
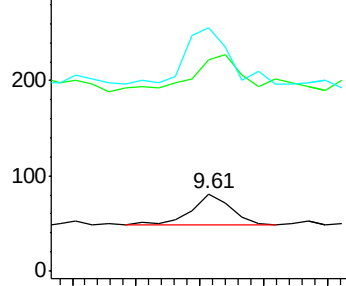
54 316.0 154.2 231.4#



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: 0.012 ng

RT: 12.80 min Scan# 1073

Delta R.T. -0.00 min

Lab File: BE095706.D

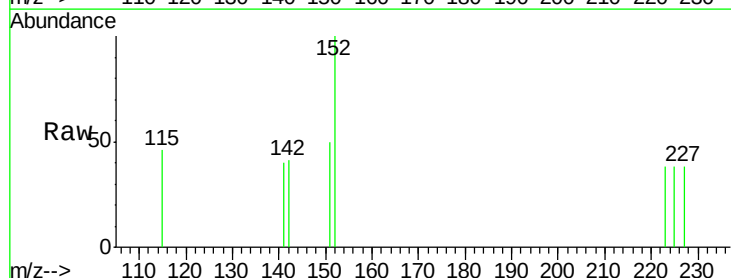
Acq: 6 Mar 2018 20:23

Tgt Ion: 152 Resp: 111

Ion Ratio Lower Upper

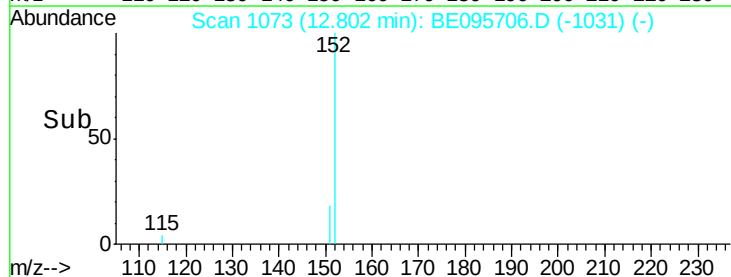
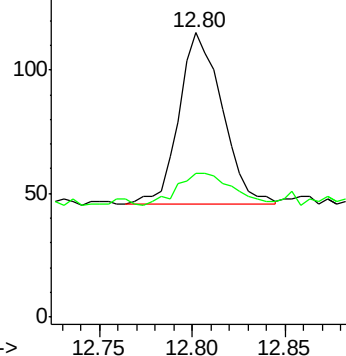
152 100

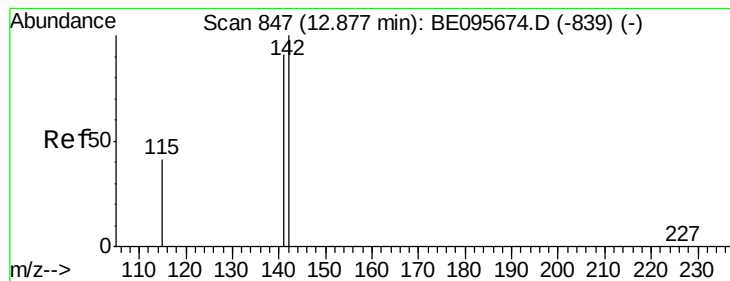
151 25.2 15.4 23.0#



Abundance Ion 152.00 (151.70 to 152.70): BE0

Ion 151.00 (150.70 to 151.70): BE0





#12

2-Methylnaphthalene

Concen: 0.038 ng

RT: 12.88 min Scan# 1089

Delta R.T. 0.00 min

Lab File: BE095706.D

Acq: 6 Mar 2018 20:23

Instrument :

BNA_E

ClientSampleId :

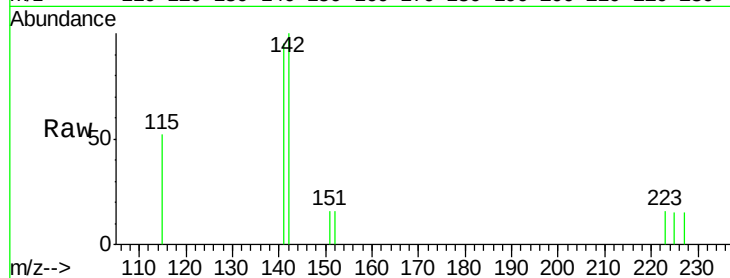
Tot Ion:142 Resp: 426

Ion Ratio Lower Upper

142 100

141 94.9 70.4 105.6

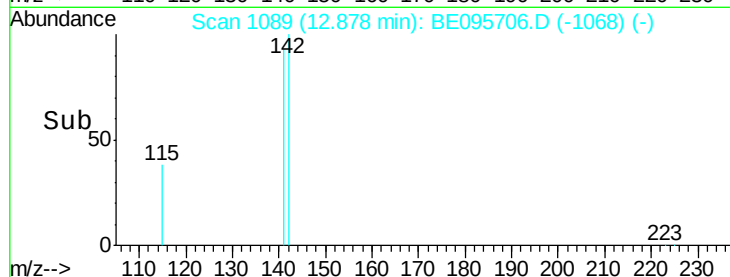
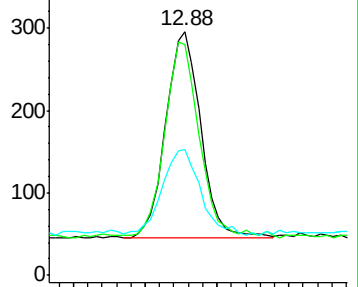
115 51.7 31.7 47.5#



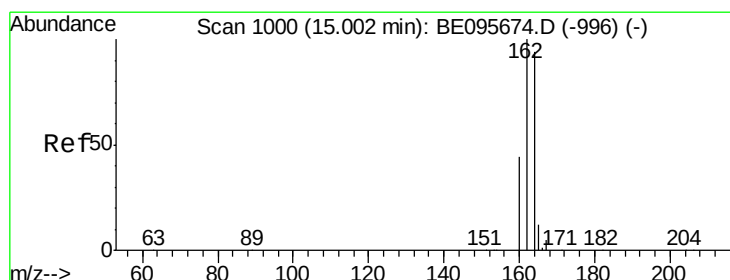
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.00 min Scan# 1286

Delta R.T. -0.00 min

Lab File: BE095706.D

Acq: 6 Mar 2018 20:23

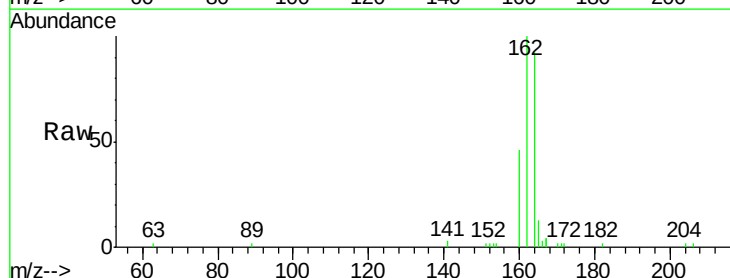
Tgt Ion:164 Resp: 3340

Ion Ratio Lower Upper

164 100

162 109.0 83.1 124.7

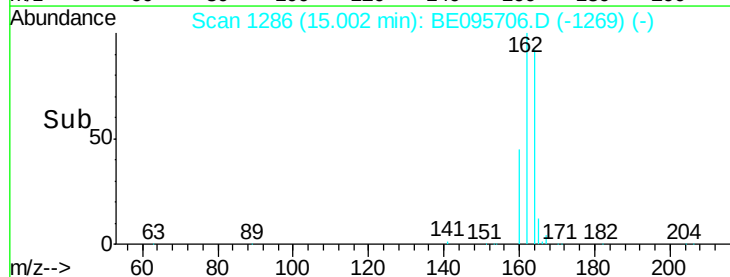
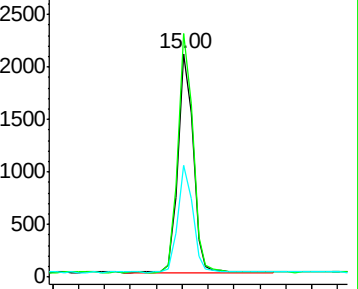
160 50.1 37.1 55.7



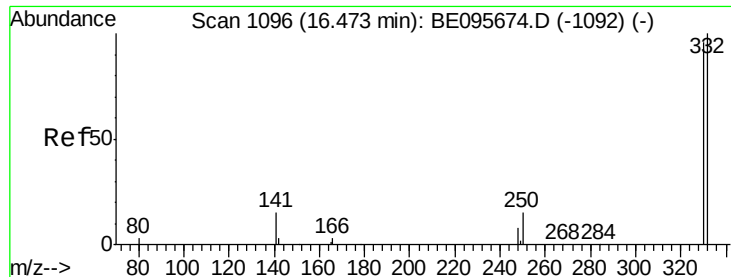
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



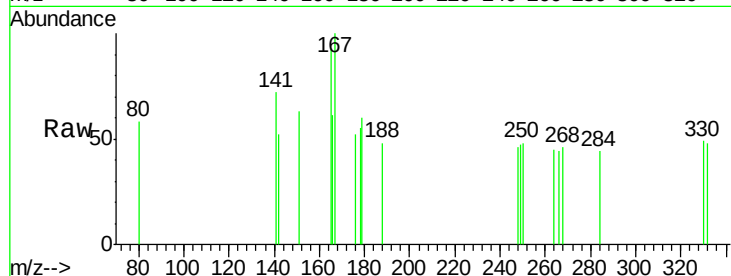
Time-->



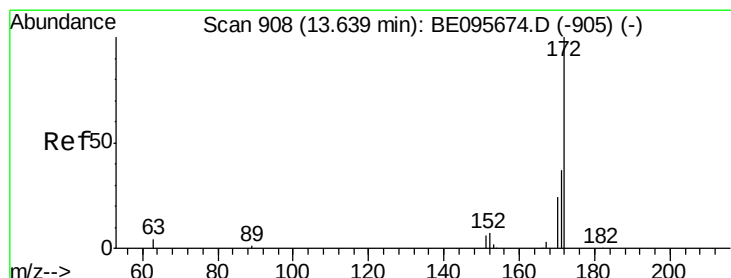
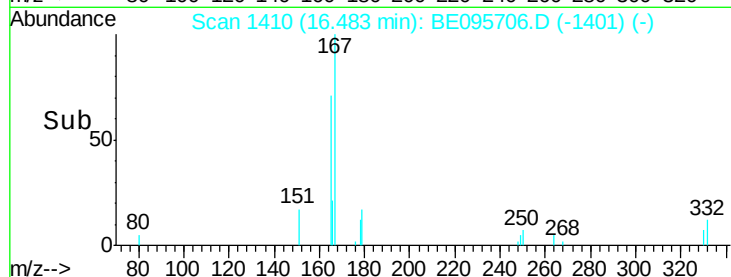
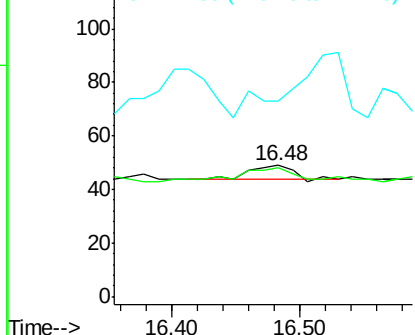
#14
 2,4,6-Tribromophenol
 Concen: 0.122 ng
 RT: 16.48 min Scan# 1410
 Delta R.T. 0.01 min
 Lab File: BE095706.D
 Acq: 6 Mar 2018 20:23

Instrument :
 BNA_E
 ClientSampled :

Tot Ion:330 Resp: 11
 Ion Ratio Lower Upper
 330 100
 332 118.2 152.7 229.1#
 141 0.0 33.7 50.5#

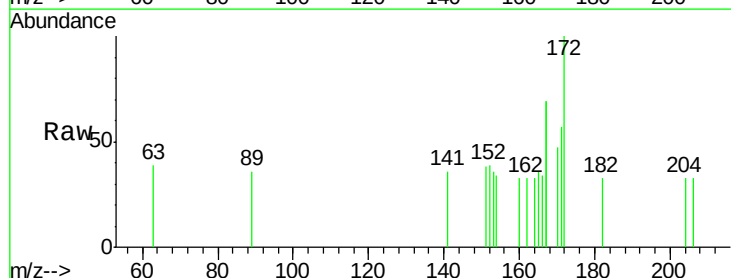


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

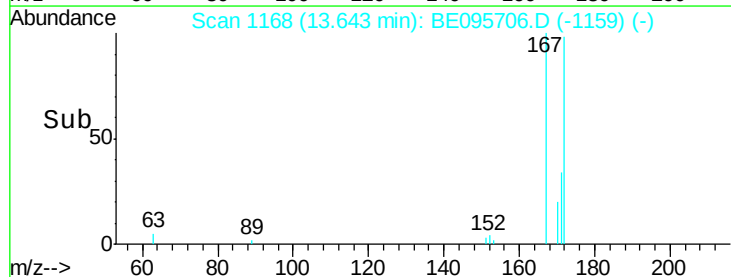
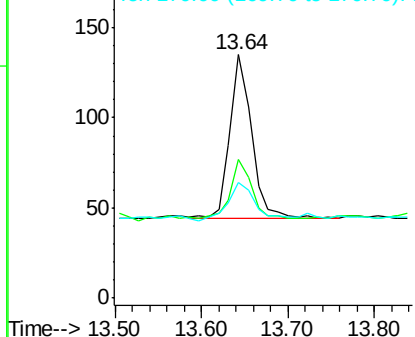


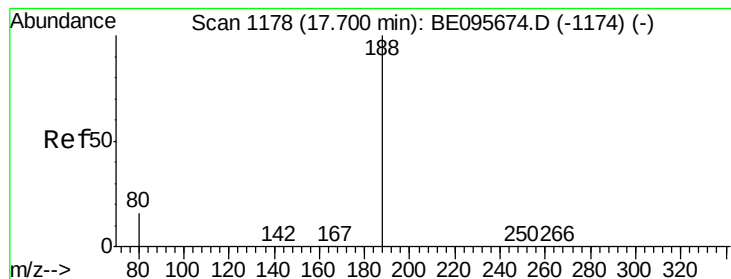
#15
 2-Fluorobiphenyl
 Concen: 0.011 ng
 RT: 13.64 min Scan# 1168
 Delta R.T. 0.00 min
 Lab File: BE095706.D
 Acq: 6 Mar 2018 20:23

Tgt Ion:172 Resp: 162
 Ion Ratio Lower Upper
 172 100
 171 57.0 29.9 44.9#
 170 47.4 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: 17.71 min Scan# 1515

Delta R.T. 0.01 min

Lab File: BE095706.D

Acq: 6 Mar 2018 20:23

Instrument :

BNA_E

ClientSampleId :

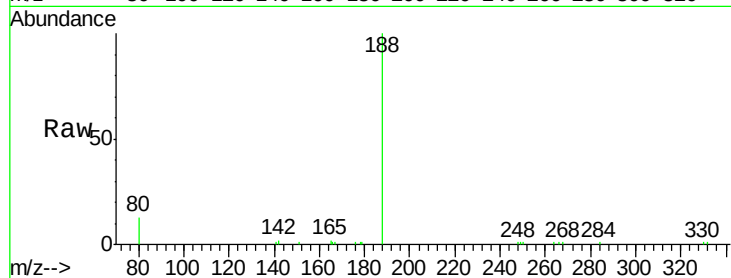
Tot Ion:188 Resp: 7672

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

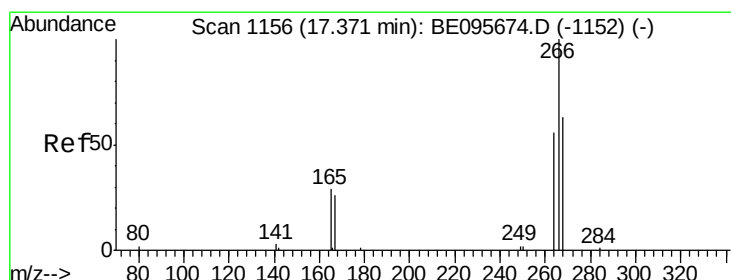
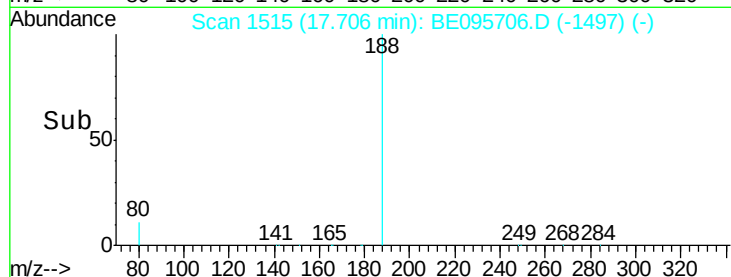
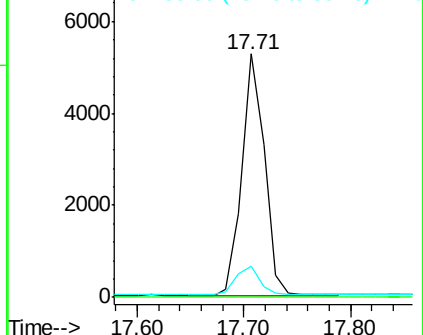
80 12.6 3.6 5.4#



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: 0.180 ng

RT: 17.42 min Scan# 1490

Delta R.T. 0.05 min

Lab File: BE095706.D

Acq: 6 Mar 2018 20:23

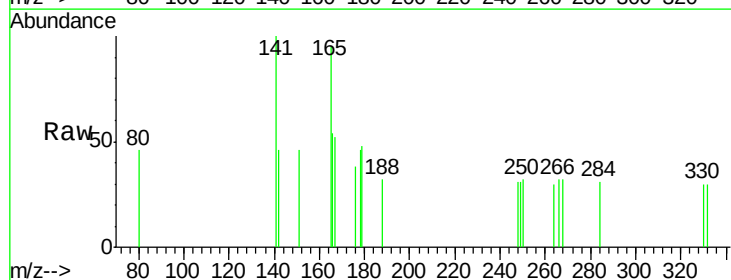
Tgt Ion:266 Resp: 3

Ion Ratio Lower Upper

266 100

264 95.7 72.5 108.7

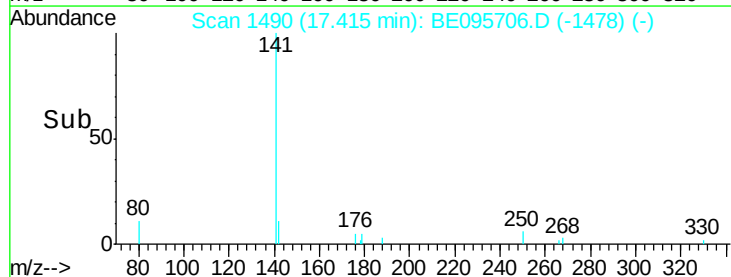
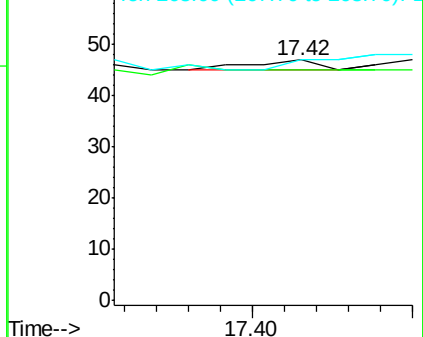
268 100.0 73.8 110.6

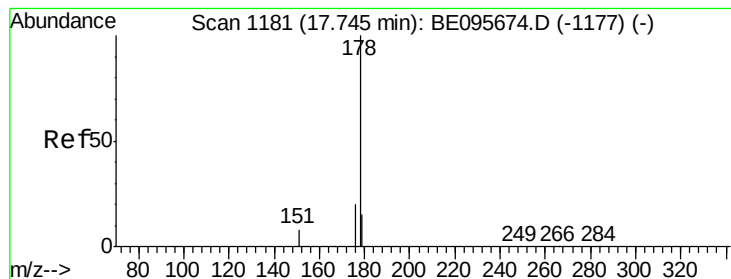


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.295 ng

RT: 17.75 min Scan# 1519

Delta R.T. 0.01 min

Lab File: BE095706.D

Acq: 6 Mar 2018 20:23

Instrument :

BNA_E

ClientSampleId :

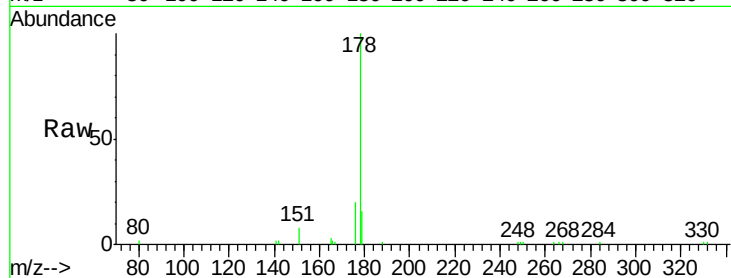
Tot Ion:178 Resp: 7069

Ion Ratio Lower Upper

178 100

176 19.6 15.1 22.7

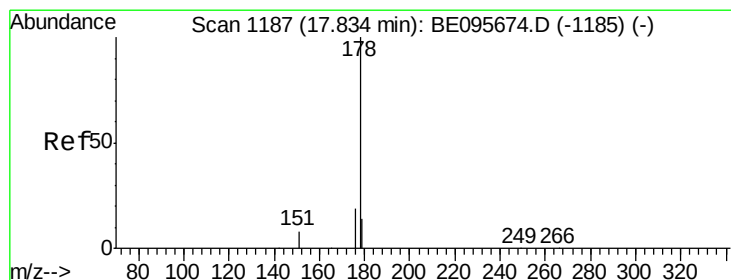
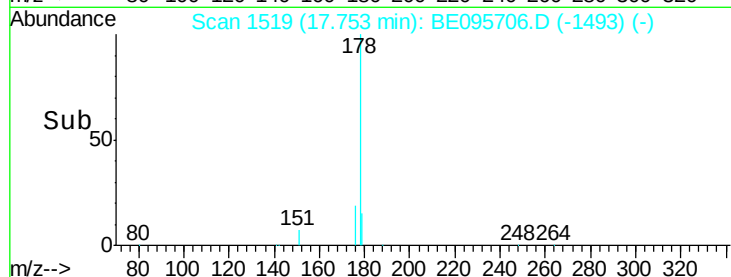
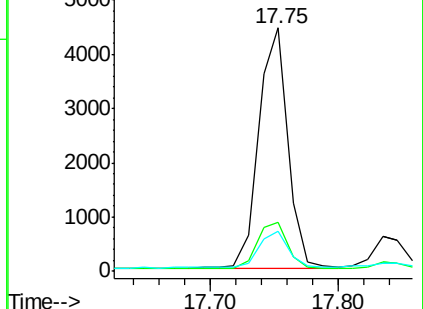
179 14.6 11.8 17.6



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



#24

Anthracene

Concen: 0.045 ng

RT: 17.83 min Scan# 1526

Delta R.T. 0.00 min

Lab File: BE095706.D

Acq: 6 Mar 2018 20:23

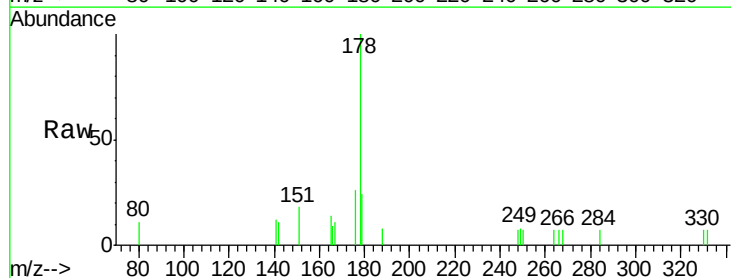
Tgt Ion:178 Resp: 995

Ion Ratio Lower Upper

178 100

176 19.2 12.8 19.2

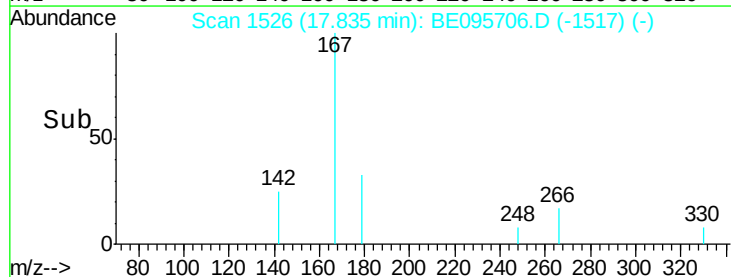
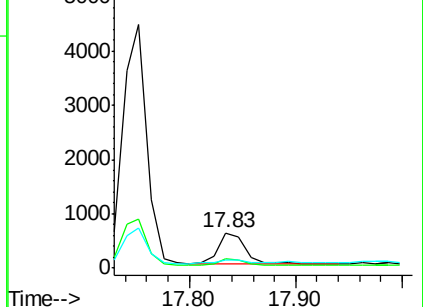
179 13.2 13.0 19.6

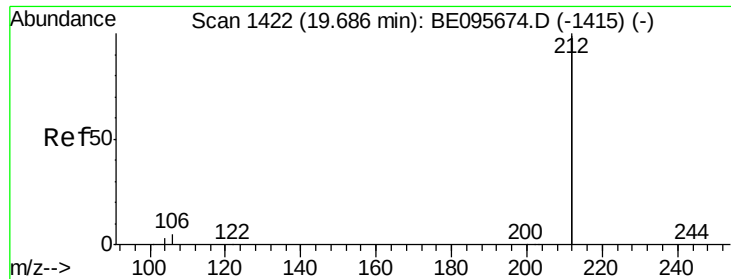


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.008 ng

RT: 19.68 min Scan# 1828

Delta R.T. -0.00 min

Lab File: BE095706.D

Acq: 6 Mar 2018 20:23

Instrument :

BNA_E

ClientSampled :

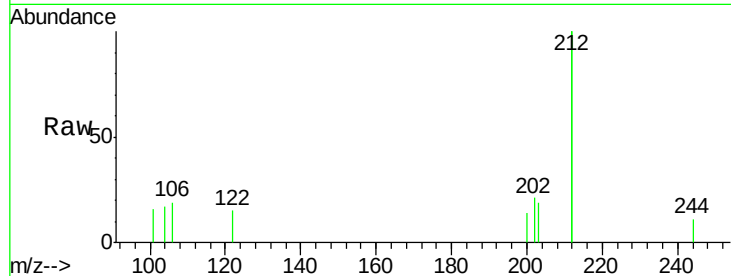
Tot Ion:212 Resp: 843

Ion Ratio Lower Upper

212 100

106 4.6 2.8 4.2#

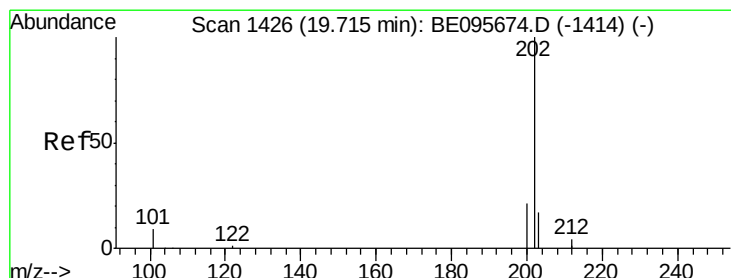
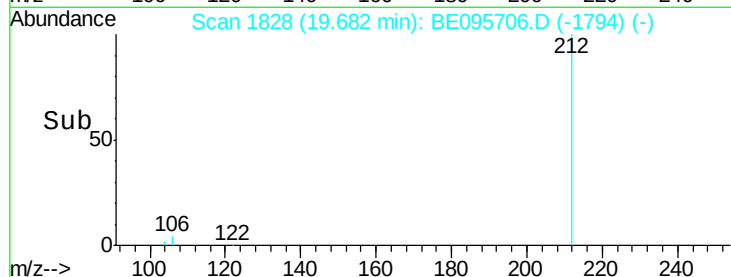
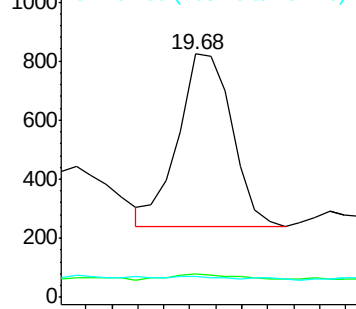
104 2.4 1.6 2.4



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: 0.287 ng

RT: 19.72 min Scan# 1834

Delta R.T. 0.00 min

Lab File: BE095706.D

Acq: 6 Mar 2018 20:23

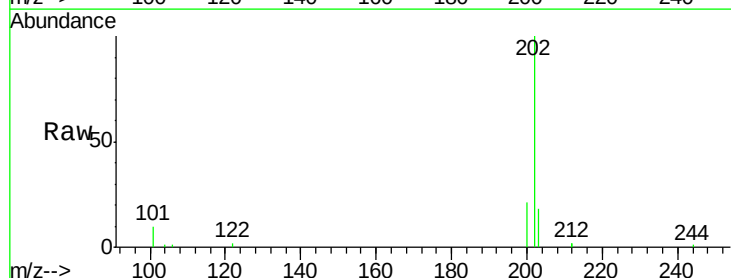
Tgt Ion:202 Resp: 8470

Ion Ratio Lower Upper

202 100

101 10.3 9.8 14.8

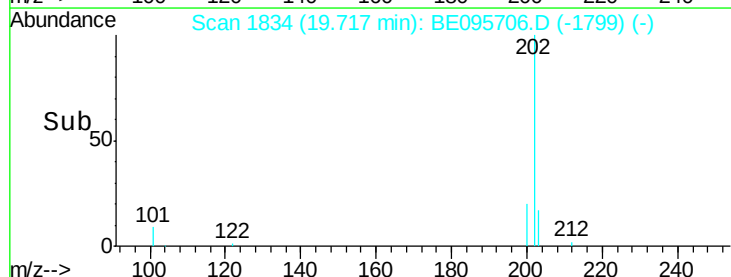
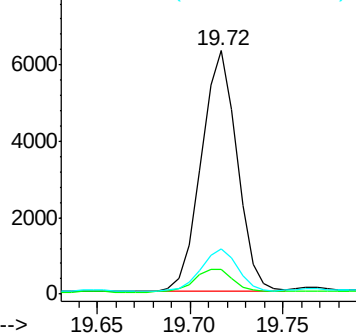
203 17.8 13.7 20.5

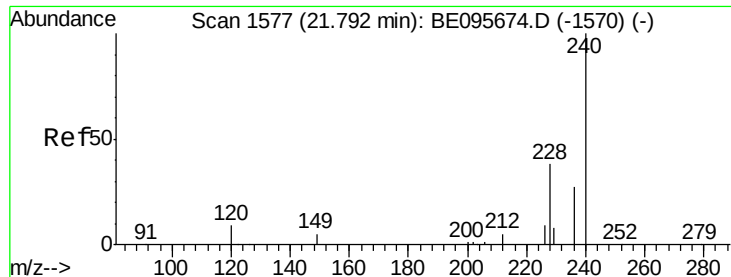


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.80 min Scan# 2029

Delta R.T. 0.01 min

Lab File: BE095706.D

Acq: 6 Mar 2018 20:23

Instrument :

BNA_E

ClientSampleId :

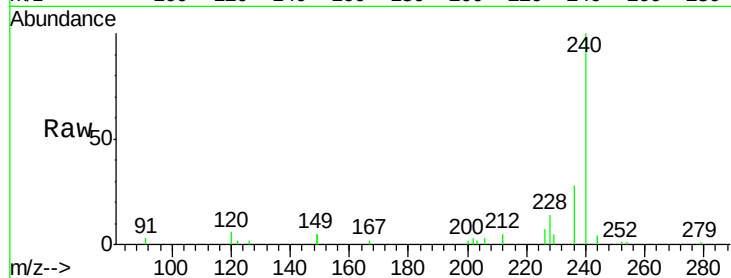
Tot Ion:240 Resp: 7769

Ion Ratio Lower Upper

240 100

120 6.4 5.5 8.3

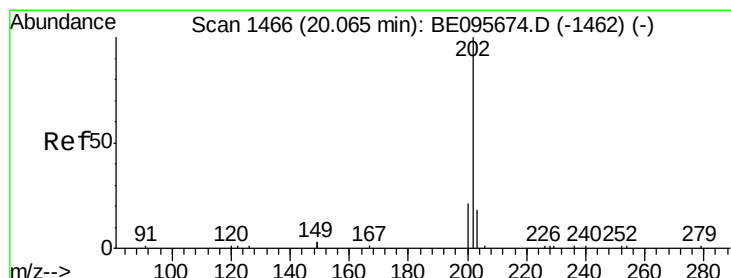
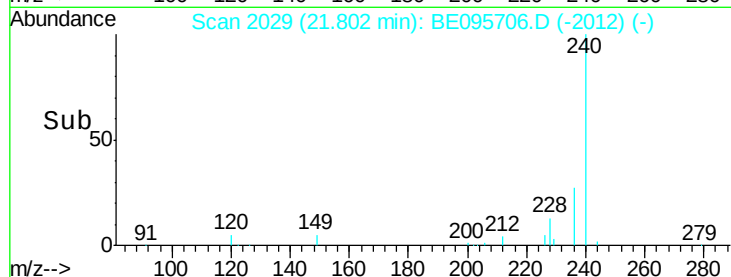
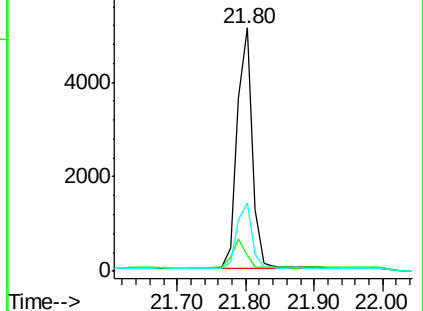
236 28.1 20.7 31.1



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



#28

Pyrene

Concen: 0.506 ng

RT: 20.07 min Scan# 1886

Delta R.T. 0.01 min

Lab File: BE095706.D

Acq: 6 Mar 2018 20:23

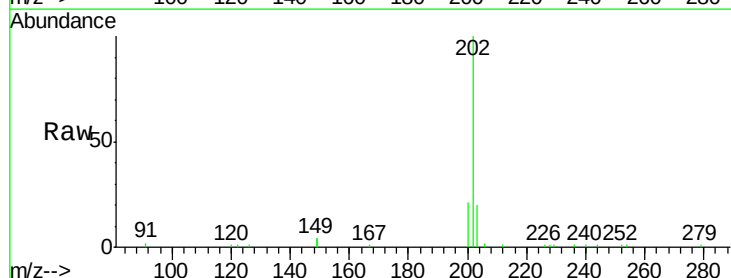
Tgt Ion:202 Resp: 16069

Ion Ratio Lower Upper

202 100

200 21.2 16.6 25.0

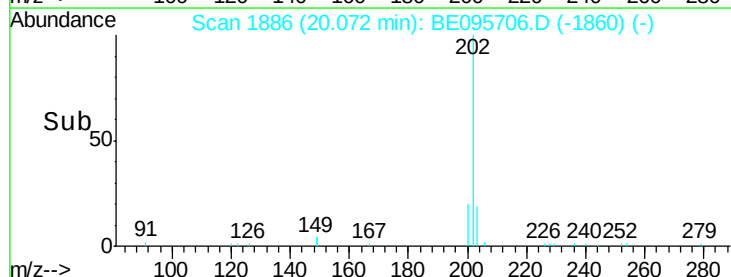
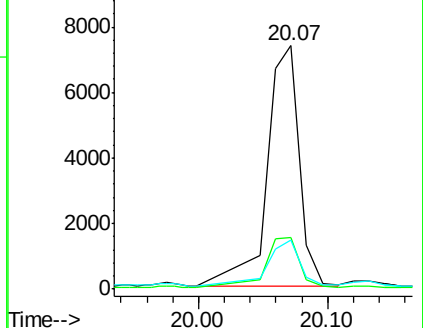
203 19.1 13.8 20.8

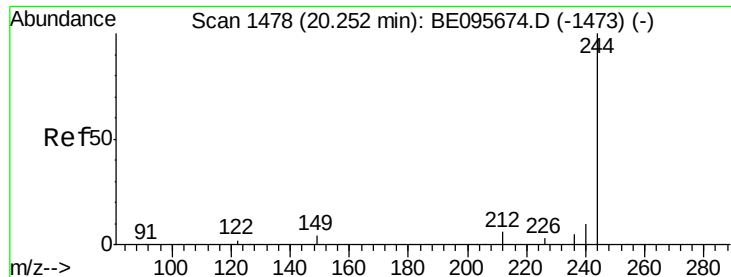


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.009 ng

RT: 20.24 min Scan# 1900

Delta R.T. -0.01 min

Lab File: BE095706.D

Acq: 6 Mar 2018 20:23

Instrument :

BNA_E

ClientSampleId :

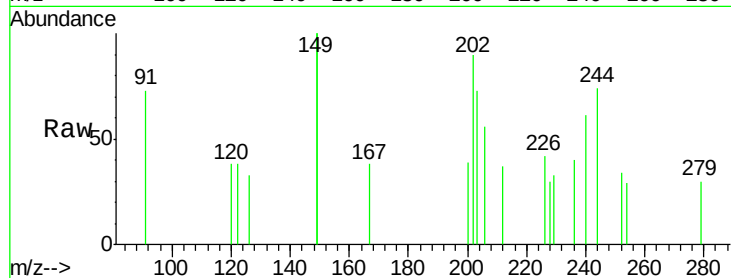
Tot Ion:244 Resp: 147

Ion Ratio Lower Upper

244 100

212 50.4 25.4 38.0#

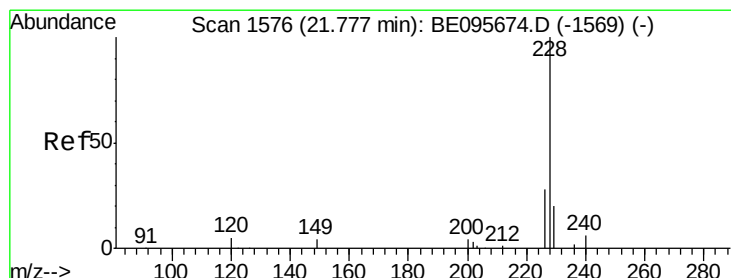
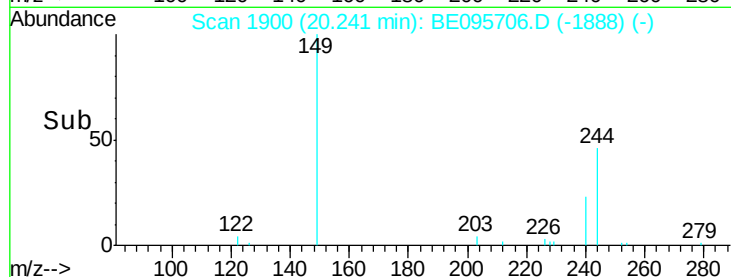
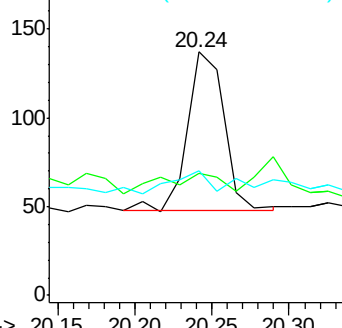
122 51.1 8.1 12.1#



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: 0.212 ng

RT: 21.78 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BE095706.D

Acq: 6 Mar 2018 20:23

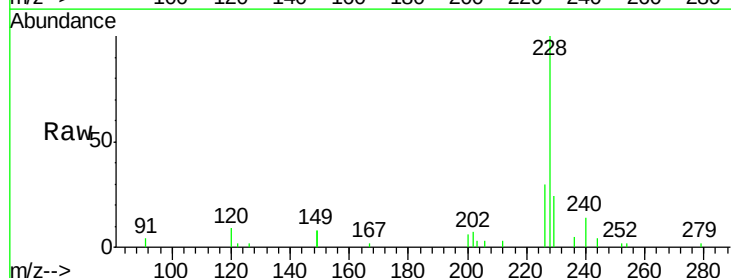
Tgt Ion:228 Resp: 5378

Ion Ratio Lower Upper

228 100

226 30.1 24.0 36.0

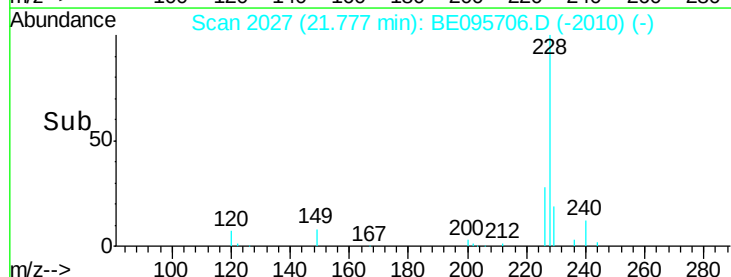
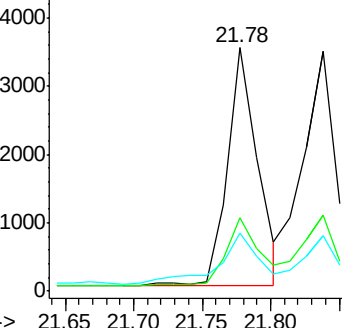
229 23.7 16.0 24.0

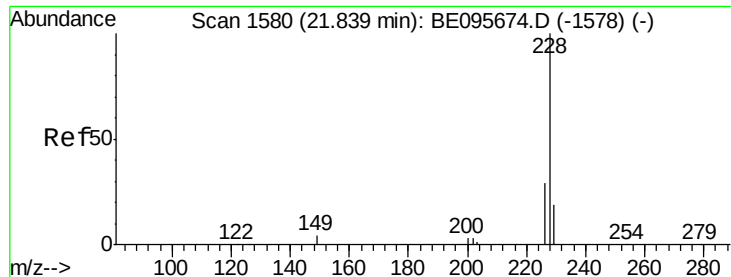


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.228 ng

RT: 21.84 min Scan# 2032

Delta R.T. -0.00 min

Lab File: BE095706.D

Acq: 6 Mar 2018 20:23

Instrument :

BNA_E

ClientSampleId :

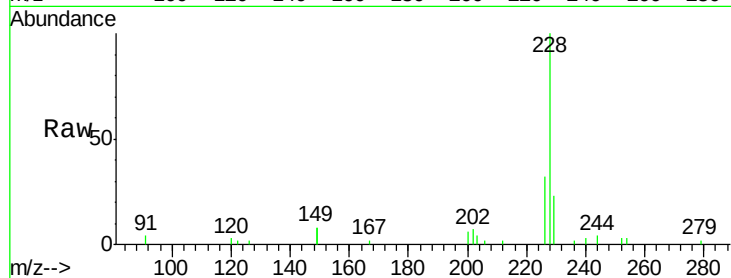
Tot Ion:228 Resp: 5751

Ion Ratio Lower Upper

228 100

226 31.8 24.0 36.0

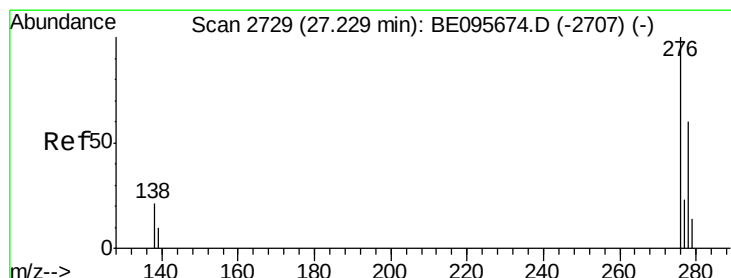
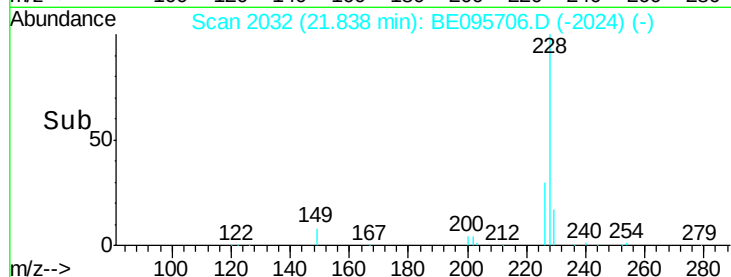
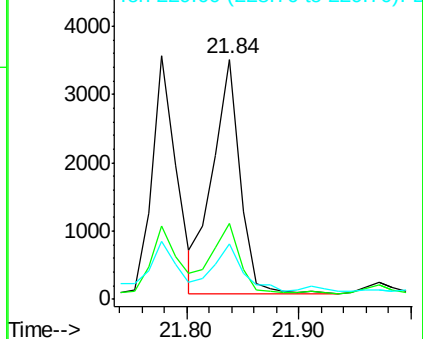
229 23.1 16.0 24.0



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: 0.092 ng

RT: 27.22 min Scan# 3499

Delta R.T. -0.01 min

Lab File: BE095706.D

Acq: 6 Mar 2018 20:23

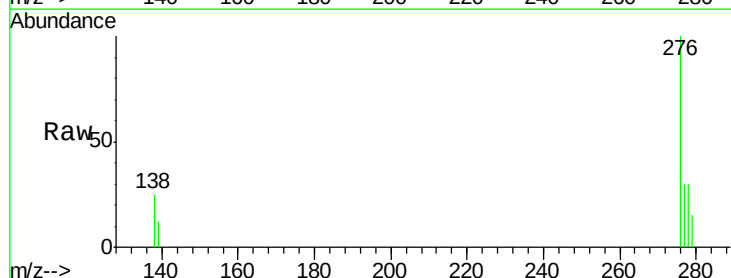
Tgt Ion:276 Resp: 2243

Ion Ratio Lower Upper

276 100

138 19.0 22.5 33.7#

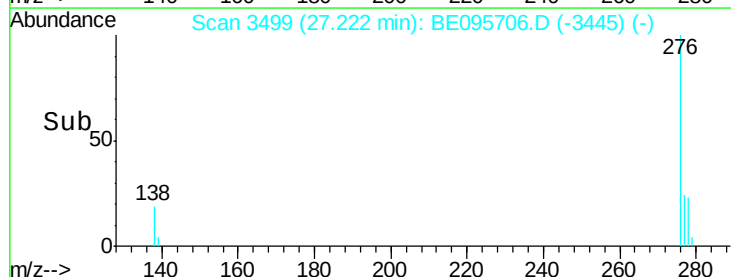
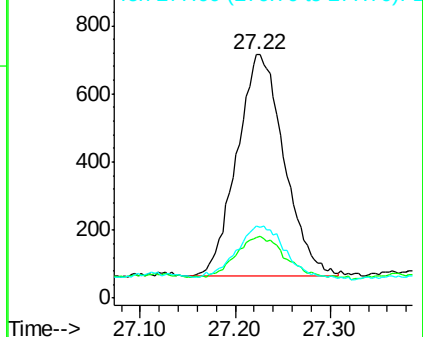
277 24.7 19.9 29.9

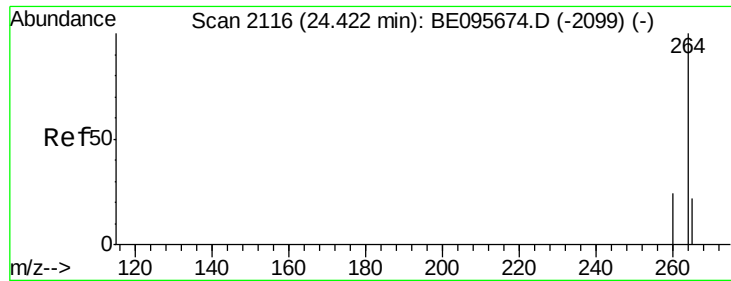


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



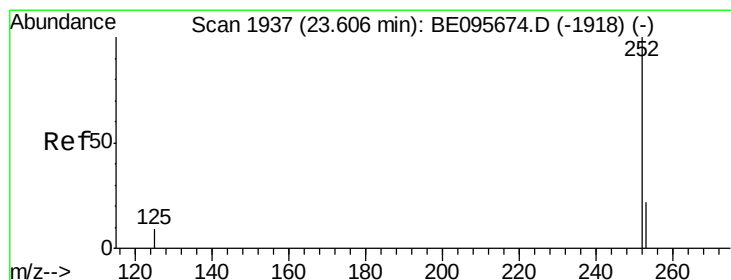
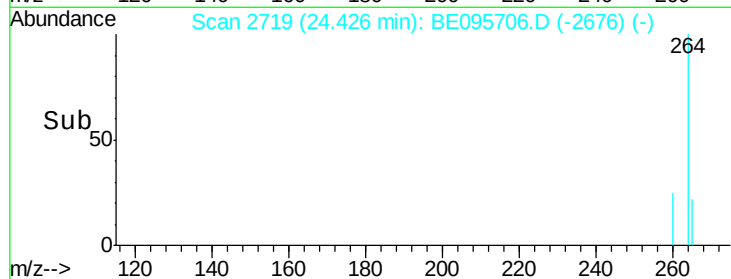
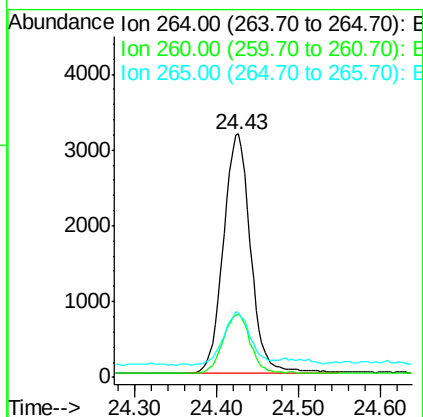
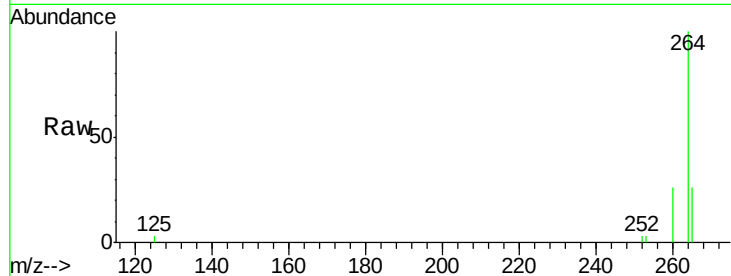


#34
Pervlene-d12
Concen: 0.400 ng
RT: 24.43 min Scan# 2719
Delta R.T. 0.00 min
Lab File: BE095706.D
Acq: 6 Mar 2018 20:23

Instrument :
BNA_E
ClientSampleId :

Tot Ion:264 Resp: 7315

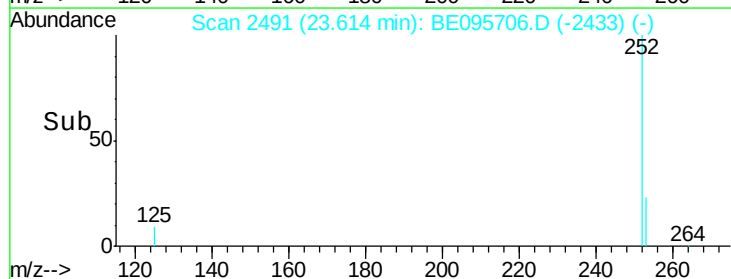
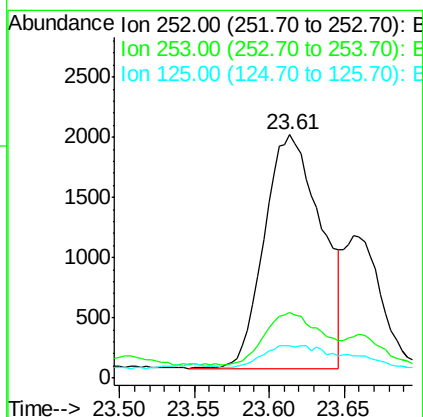
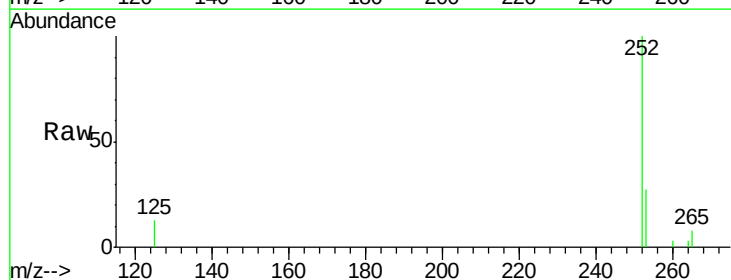
Ion	Ratio	Lower	Upper
264	100		
260	25.9	20.5	30.7
265	26.4	22.8	34.2

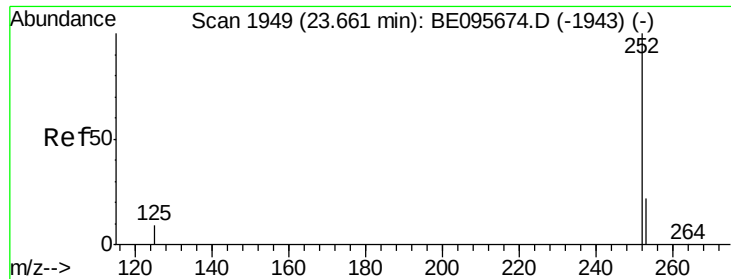


#35
Benzo(b)fluoranthene
Concen: 0.197 ng
RT: 23.61 min Scan# 2491
Delta R.T. 0.01 min
Lab File: BE095706.D
Acq: 6 Mar 2018 20:23

Tgt Ion:252 Resp: 5123

Ion	Ratio	Lower	Upper
252	100		
253	27.0	20.0	30.0
125	13.5	16.0	24.0

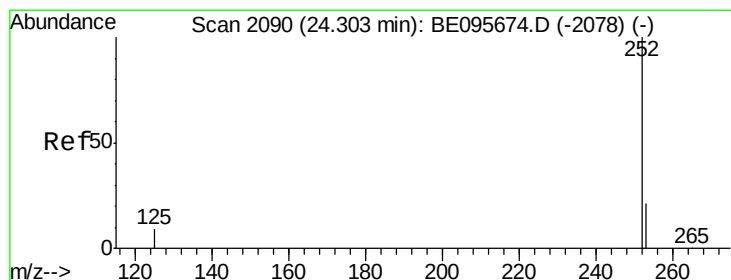
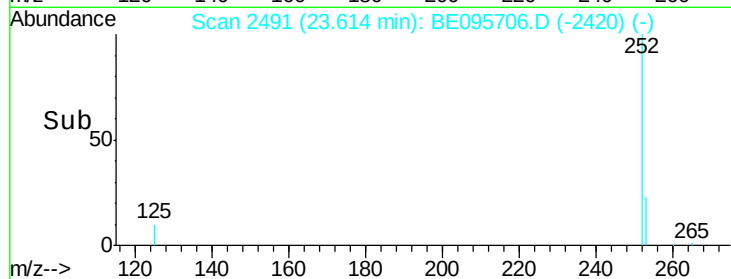
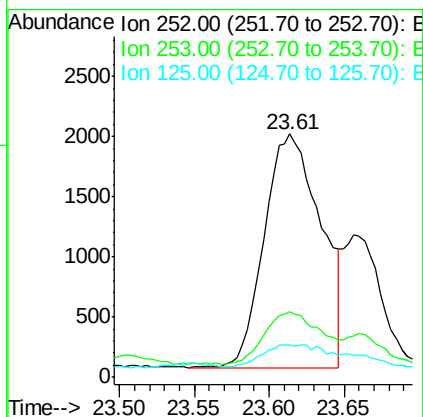
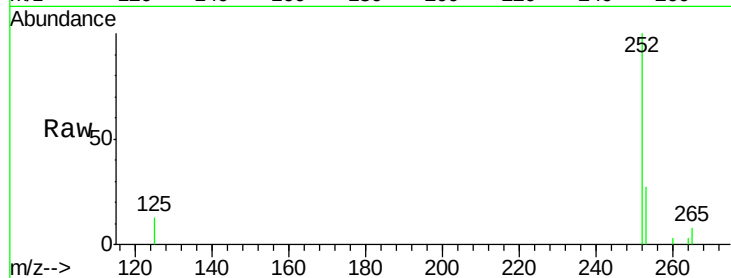




#36
Benzo(k)fluoranthene
Concen: 0.198 ng
RT: 23.61 min Scan# 2491
Delta R.T. -0.05 min
Lab File: BE095706.D
Acq: 6 Mar 2018 20:23

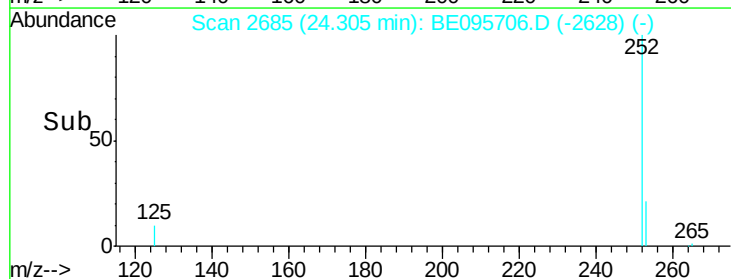
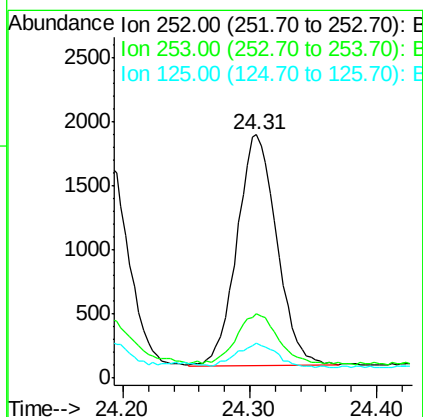
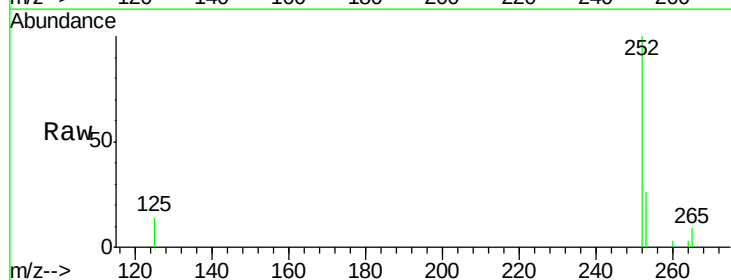
Instrument :
BNA_E
ClientSampleId :

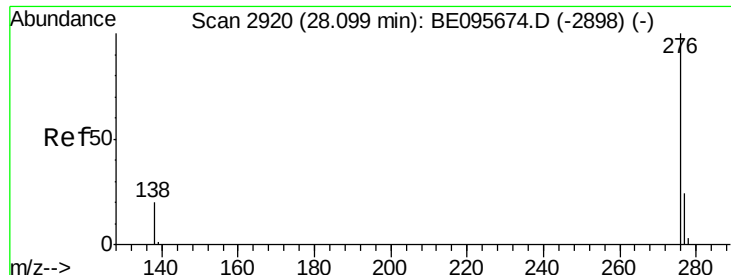
Tot Ion:252 Resp: 5123
Ion Ratio Lower Upper
252 100
253 27.0 16.0 24.0#
125 13.5 8.0 12.0#



#37
Benzo(a)pyrene
Concen: 0.168 ng
RT: 24.31 min Scan# 2685
Delta R.T. 0.00 min
Lab File: BE095706.D
Acq: 6 Mar 2018 20:23

Tgt Ion:252 Resp: 3945
Ion Ratio Lower Upper
252 100
253 26.4 16.0 24.0#
125 14.4 12.0 18.0





#39

Benzo(a,h,i)perylene

Concen: 0.123 ng

RT: 28.10 min Scan# 3745

Delta R.T. 0.00 min

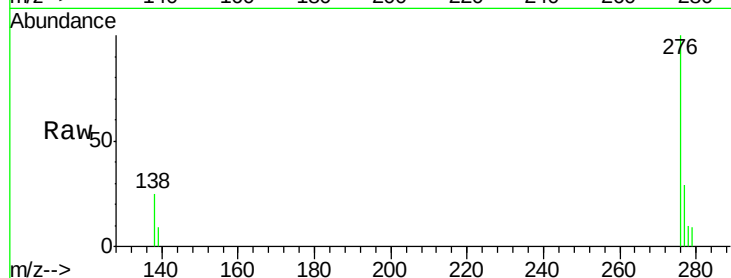
Lab File: BE095706.D

Acq: 6 Mar 2018 20:23

Instrument :

BNA_E

ClientSampleId :



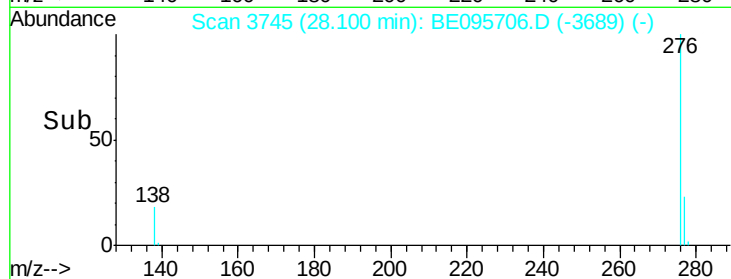
Tot Ion: 276 Resp: 2754

Ion Ratio Lower Upper

276 100

277 29.1 16.0 24.0#

138 24.8 20.0 30.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

