

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032618\
 Data File : BE095853.D
 Acq On : 26 Mar 2018 00:00
 Operator : SJ/JU
 Sample : J1994-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 27 05:44:07 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	1208	0.40	ng	0.00
7) Naphthalene-d8	11.26	136	4601	0.40	ng	0.00
13) Acenaphthene-d10	14.99	164	2635	0.40	ng	-0.01
19) Phenanthrene-d10	17.70	188	6412	0.40	ng	-0.01
27) Chrysene-d12	21.79	240	7687	0.40	ng	-0.01
34) Perylene-d12	24.41	264	7589	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.91	112	620	0.16	ng	0.00
5) Phenol-d6	7.56	99	570	0.10	ng	0.00
8) Nitrobenzene-d5	9.59	82	2589	0.48	ng	0.00
11) 2-Methylnaphthalene-d10	12.79	152	2859	0.37	ng	-0.01
14) 2,4,6-Tribromophenol	16.46	330	667	0.44	ng	-0.01
15) 2-Fluorobiphenyl	13.63	172	6356	0.57	ng	-0.01
25) Fluoranthene-d10	19.68	212	36768	0.39	ng	0.00
29) Terphenyl-d14	20.24	244	10164	0.62	ng	0.00

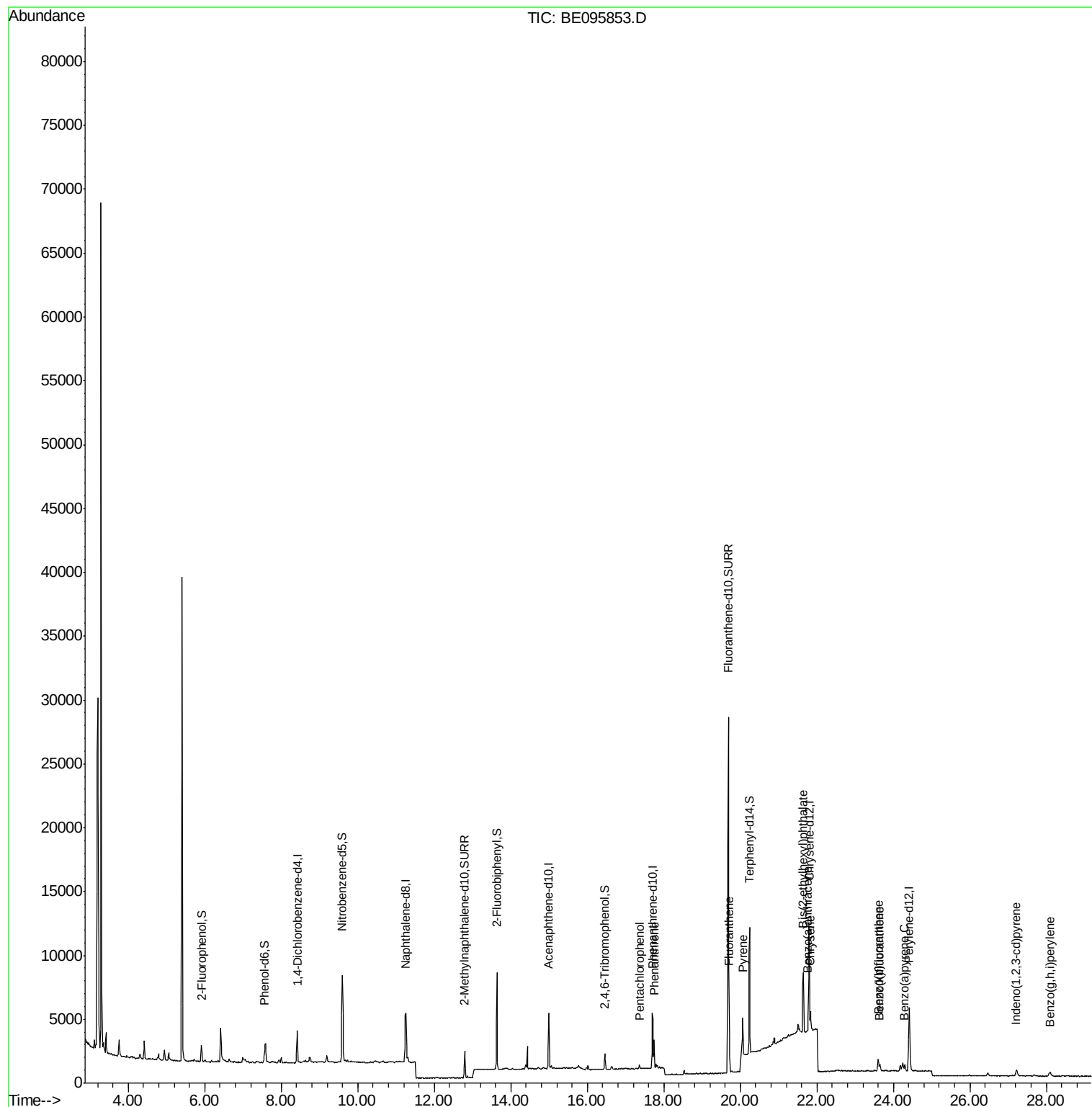
Target Compounds				Qvalue		
22) Pentachlorophenol	17.36	266	152	0.236	ng	# 80
23) Phenanthrene	17.74	178	2225	0.116	ng	100
26) Fluoranthene	19.71	202	4114	0.154	ng	97
28) Pyrene	20.06	202	2947	0.094	ng	# 88
30) Benzo(a)anthracene	21.77	228	908	0.034	ng	# 73
31) Chrysene	21.83	228	1493	0.061	ng	# 83
32) Bis(2-ethylhexyl)phthalate	21.65	149	6173	0.076	ng	99
33) Indeno(1,2,3-cd)pyrene	27.21	276	919	0.035	ng	# 79
35) Benzo(b)fluoranthene	23.61	252	1642	0.065	ng	# 64
36) Benzo(k)fluoranthene	23.64	252	653	0.026	ng	# 12
37) Benzo(a)pyrene	24.30	252	874	0.037	ng	# 25
39) Benzo(a,h,i)perylene	28.10	276	882	0.039	ng	# 51

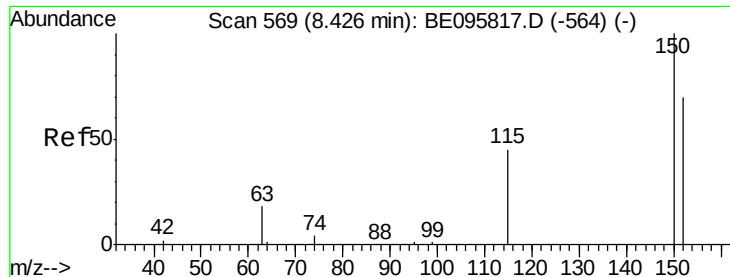
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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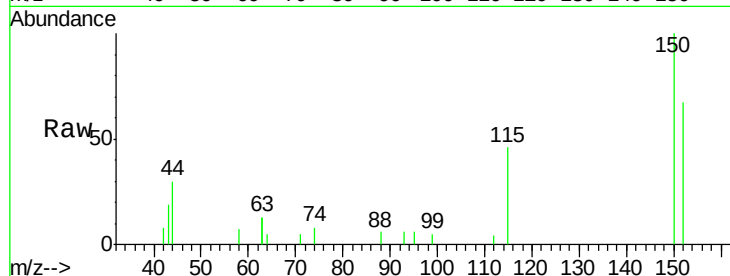


#1

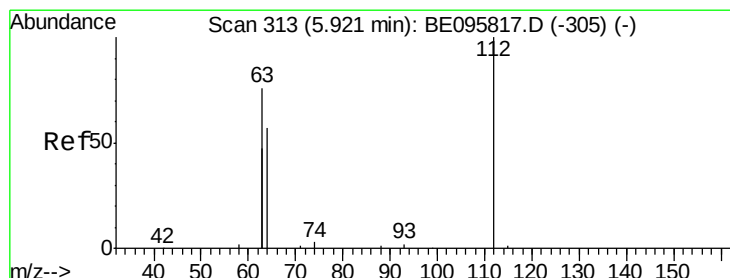
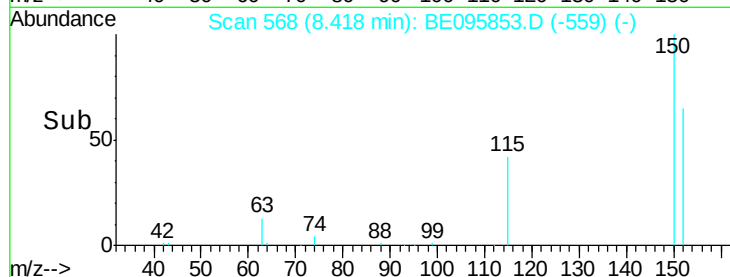
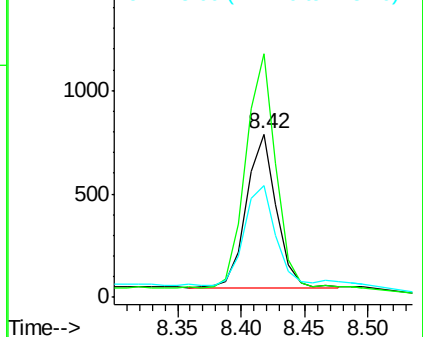
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.42 min Scan# 568
Delta R.T. -0.01 min
Lab File: BE095853.D
Acq: 26 Mar 2018 00:00

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1208
Ion Ratio Lower Upper
152 100
150 149.0 117.2 175.8
115 68.4 57.0 85.6



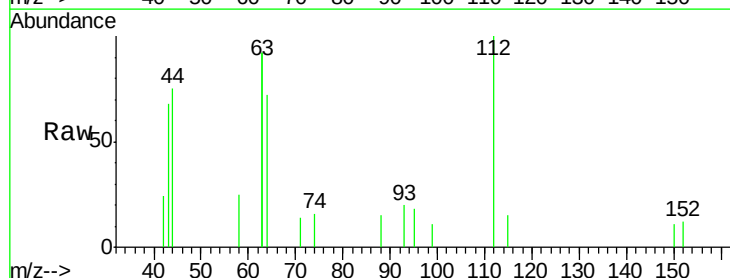
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



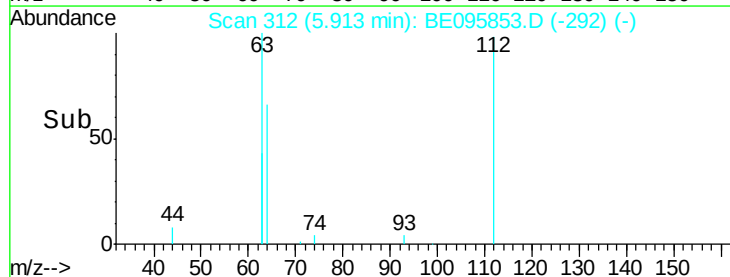
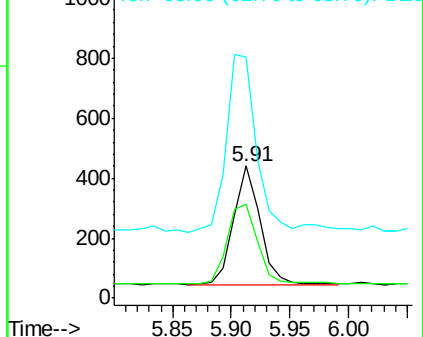
#4

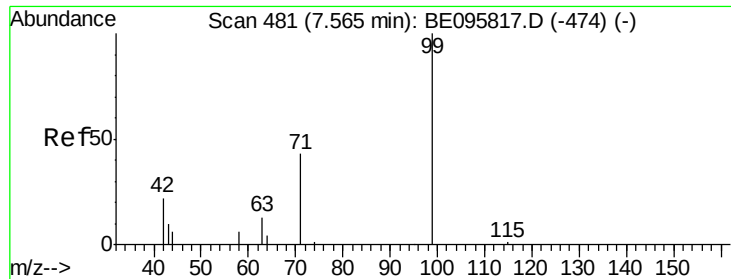
2-Fluorophenol
Concen: 0.156 ng
RT: 5.91 min Scan# 312
Delta R.T. -0.01 min
Lab File: BE095853.D
Acq: 26 Mar 2018 00:00

Tgt Ion:112 Resp: 620
Ion Ratio Lower Upper
112 100
64 79.0 60.1 90.1
63 167.7 116.8 175.2



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: 0.104 ng

RT: 7.56 min Scan# 480

Delta R.T. -0.01 min

Lab File: BE095853.D

Acq: 26 Mar 2018 00:00

Instrument :

BNA_E

ClientSampled :

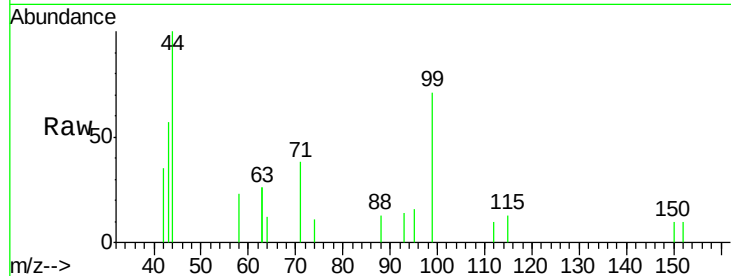
Tot Ion: 99 Resp: 570

Ion Ratio Lower Upper

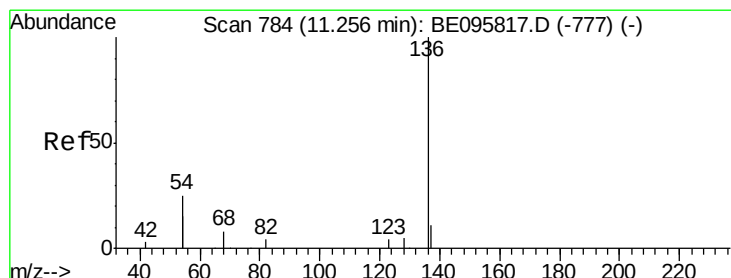
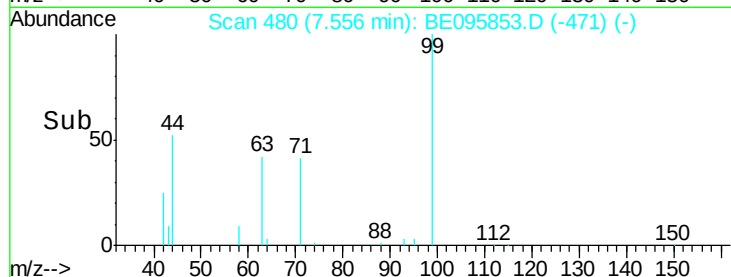
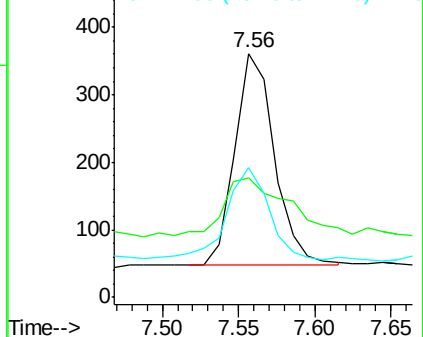
99 100

42 45.8 20.2 30.2#

71 47.5 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: BE095853.D

Acq: 26 Mar 2018 00:00

Tgt Ion: 136 Resp: 4601

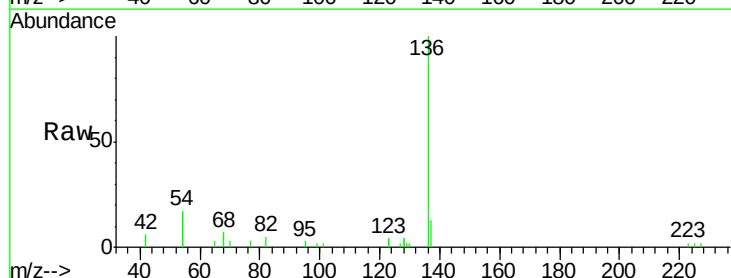
Ion Ratio Lower Upper

136 100

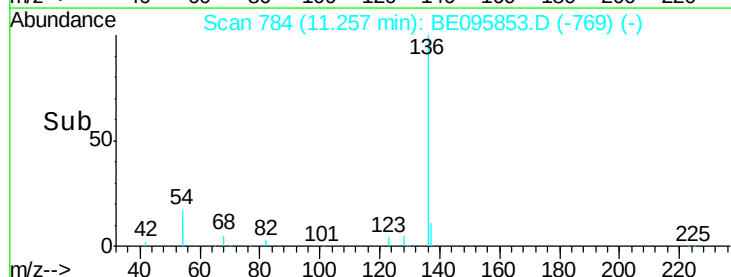
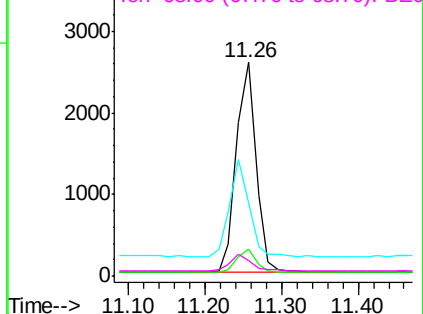
137 12.6 9.5 14.3

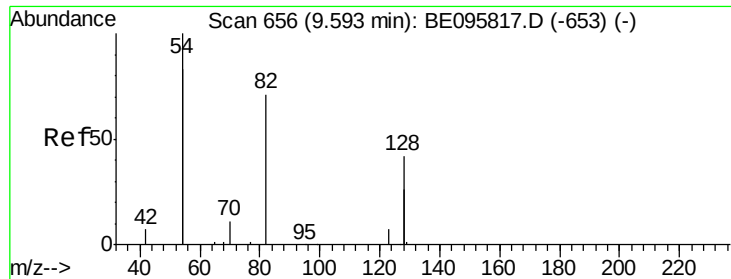
54 33.9 29.1 43.7

68 7.4 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

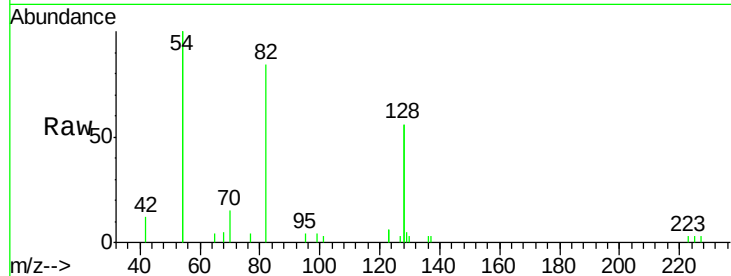




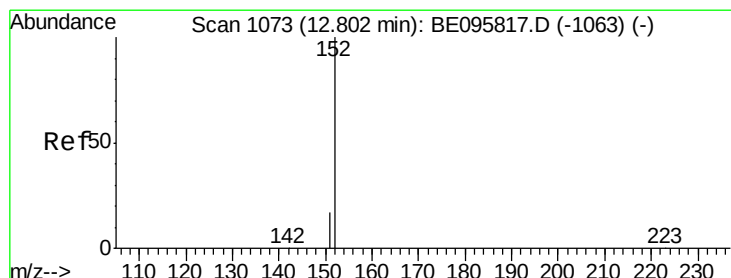
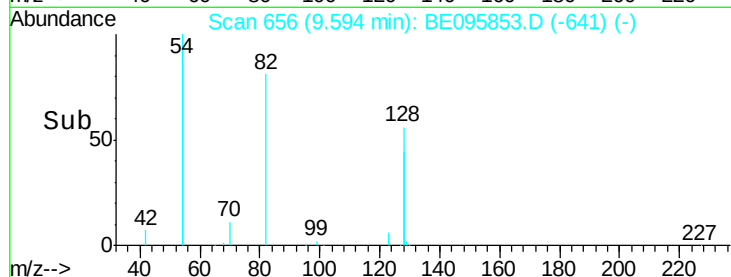
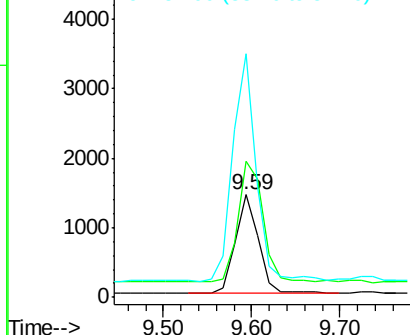
#8
 Nitrobenzene-d5
 Concen: 0.476 ng
 RT: 9.59 min Scan# 656
 Delta R.T. 0.00 min
 Lab File: BE095853.D
 Acq: 26 Mar 2018 00:00

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion: 82 Resp: 2589
 Ion Ratio Lower Upper
 82 100
 128 132.8 150.0 225.0#
 54 237.4 154.2 231.4#

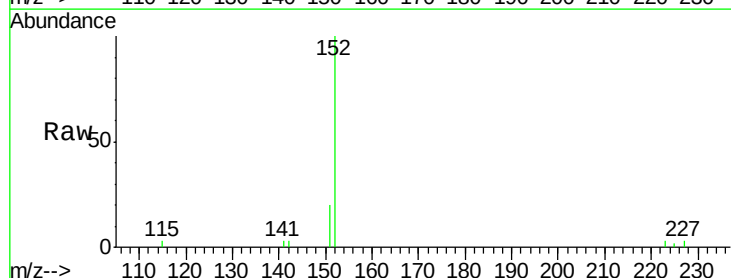


Abundance Ion 82.00 (81.70 to 82.70): BE0
 Ion 128.00 (127.70 to 128.70): BE0
 Ion 54.00 (53.70 to 54.70): BE0

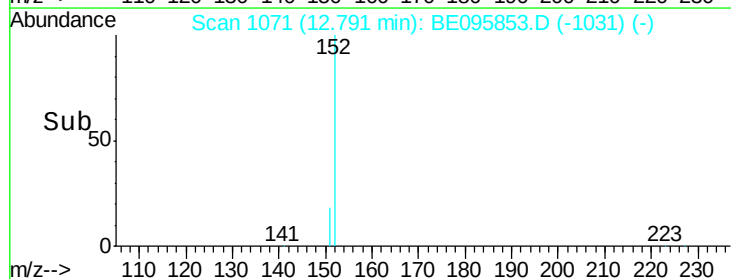
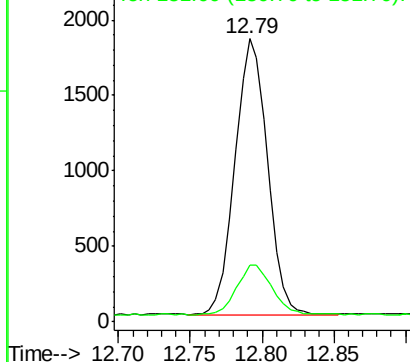


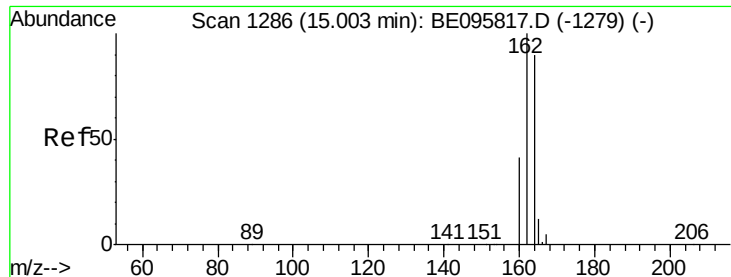
#11
 2-Methylnaphthalene-d10
 Concen: 0.372 ng
 RT: 12.79 min Scan# 1071
 Delta R.T. -0.01 min
 Lab File: BE095853.D
 Acq: 26 Mar 2018 00:00

Tgt Ion: 152 Resp: 2859
 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: 14.99 min Scan# 1285

Delta R.T. -0.01 min

Lab File: BE095853.D

Acq: 26 Mar 2018 00:00

Instrument :

BNA_E

ClientSampleId :

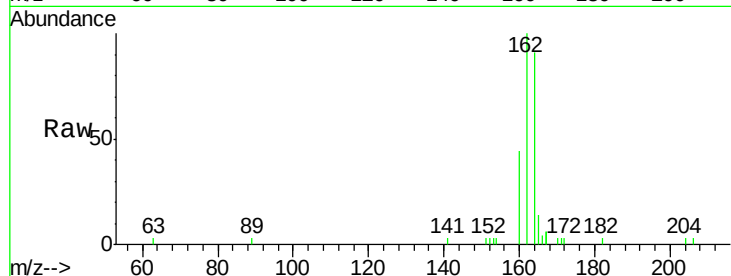
Tot Ion:164 Resp: 2635

Ion Ratio Lower Upper

164 100

162 109.7 83.1 124.7

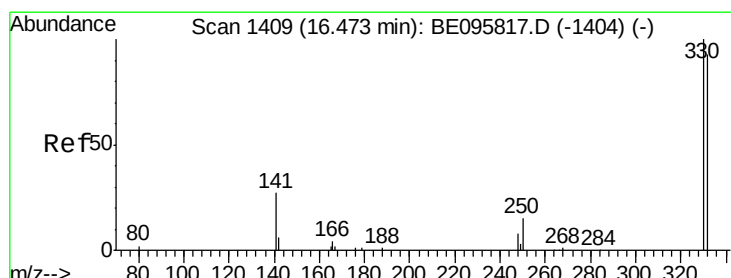
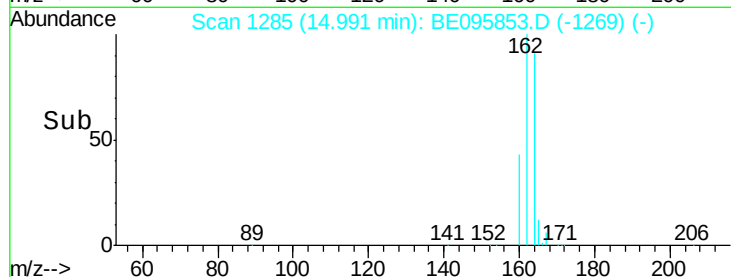
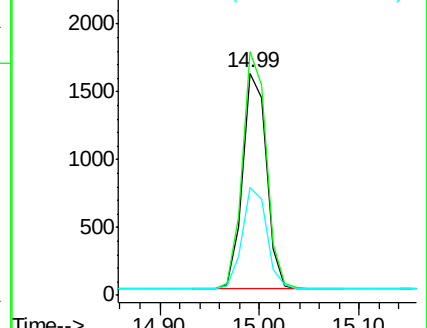
160 48.7 37.1 55.7



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: 0.439 ng

RT: 16.46 min Scan# 1408

Delta R.T. -0.01 min

Lab File: BE095853.D

Acq: 26 Mar 2018 00:00

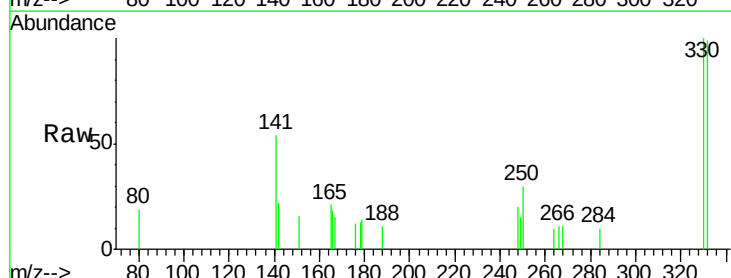
Tgt Ion:330 Resp: 667

Ion Ratio Lower Upper

330 100

332 97.8 152.7 229.1#

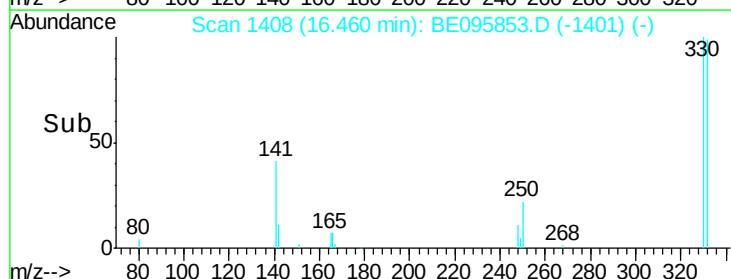
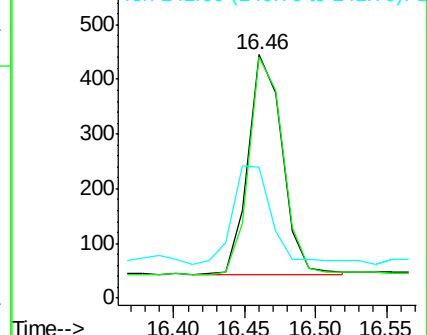
141 52.3 33.7 50.5#

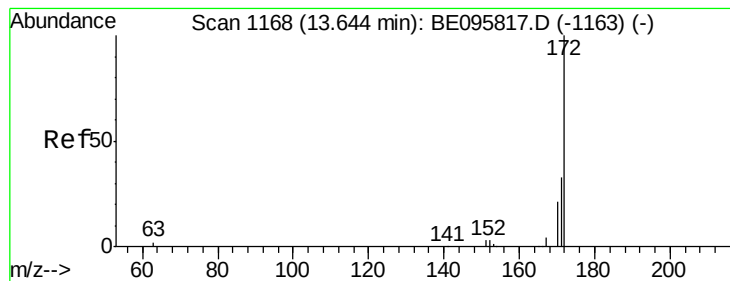


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

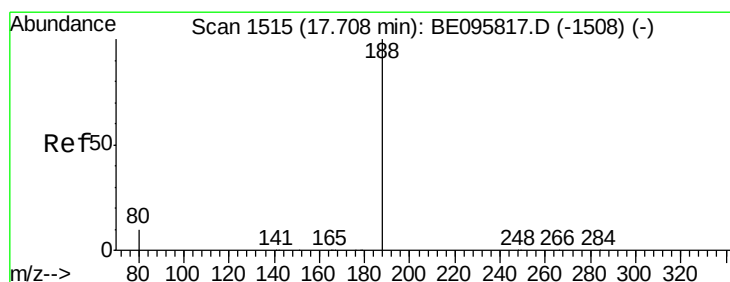
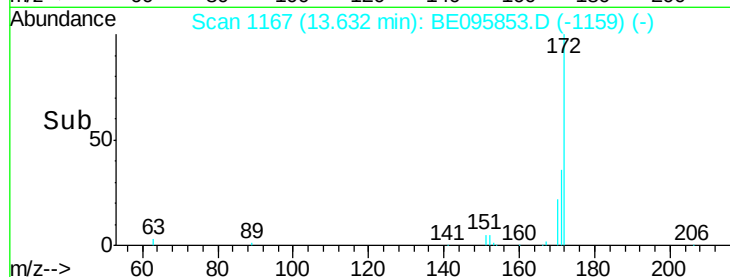
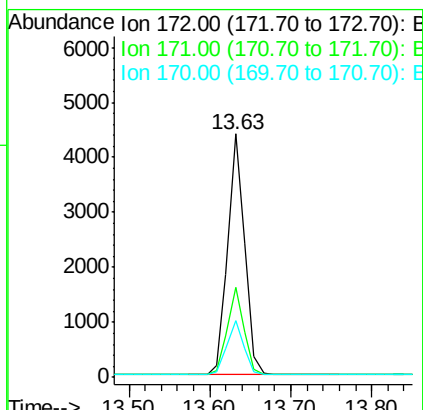
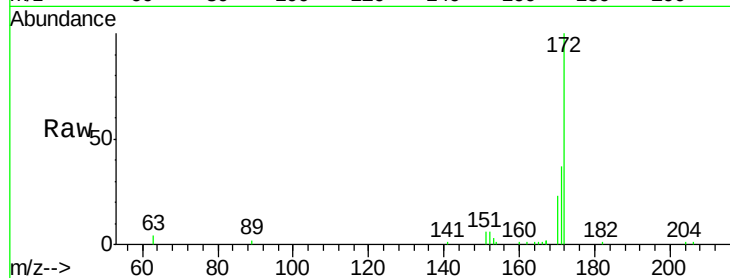




#15
2-Fluorobiphenyl
Concen: 0.572 ng
RT: 13.63 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BE095853.D
Acq: 26 Mar 2018 00:00

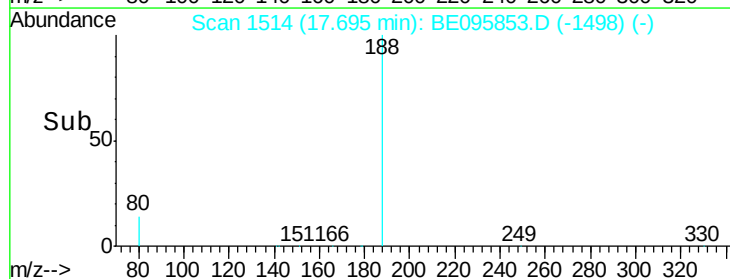
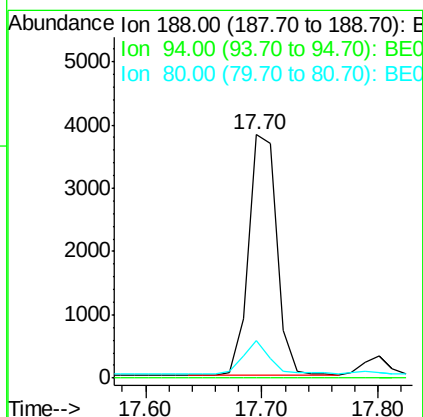
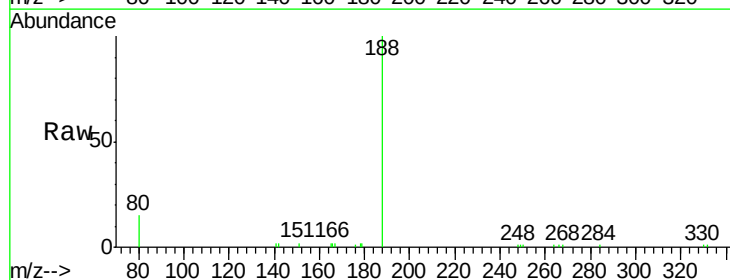
Instrument :
BNA_E
ClientSampleId :

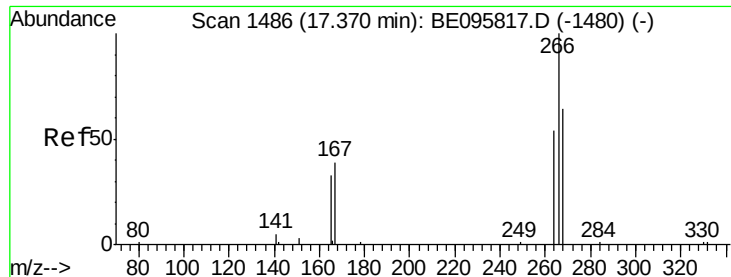
Tot Ion:172 Resp: 6356
Ion Ratio Lower Upper
172 100
171 37.0 29.9 44.9
170 23.3 21.8 32.8



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.70 min Scan# 1514
Delta R.T. -0.01 min
Lab File: BE095853.D
Acq: 26 Mar 2018 00:00

Tgt Ion:188 Resp: 6412
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 15.4 3.6 5.4#





#22

Pentachlorophenol

Concen: 0.236 ng

RT: 17.36 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BE095853.D

Acq: 26 Mar 2018 00:00

Instrument :

BNA_E

ClientSampleId :

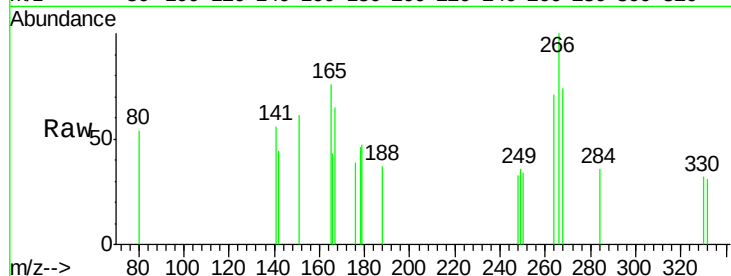
Tot Ion:266 Resp: 152

Ion Ratio Lower Upper

266 100

264 70.7 72.5 108.7#

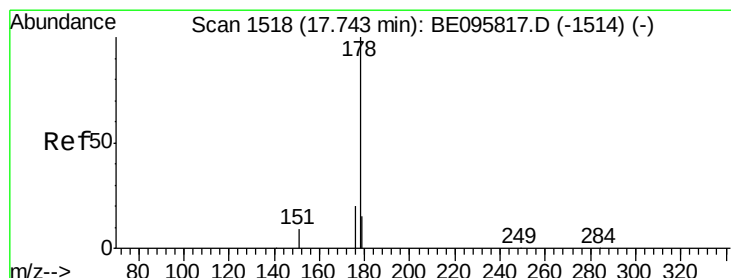
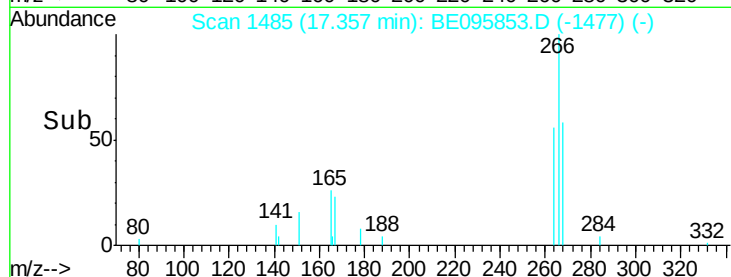
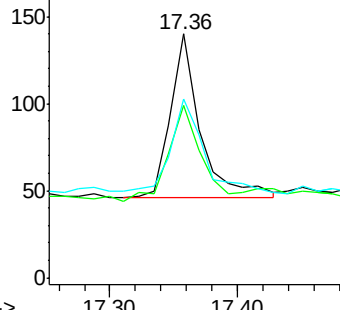
268 73.6 73.8 110.6#



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: 0.116 ng

RT: 17.74 min Scan# 1518

Delta R.T. -0.00 min

Lab File: BE095853.D

Acq: 26 Mar 2018 00:00

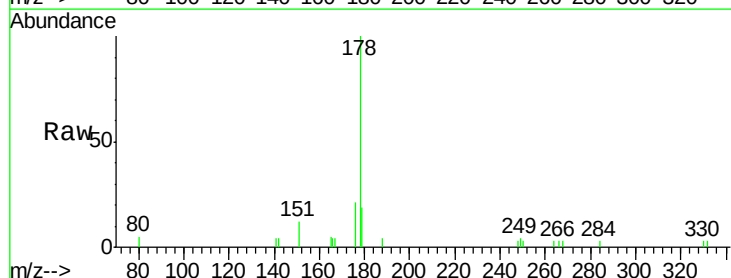
Tgt Ion:178 Resp: 2225

Ion Ratio Lower Upper

178 100

176 19.1 15.1 22.7

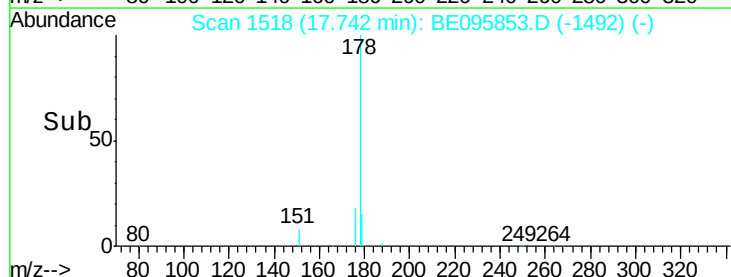
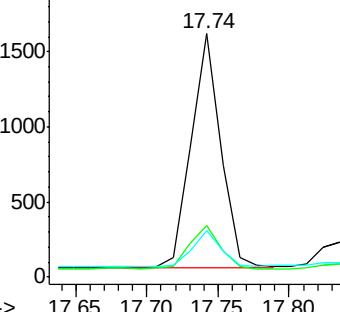
179 14.5 11.8 17.6

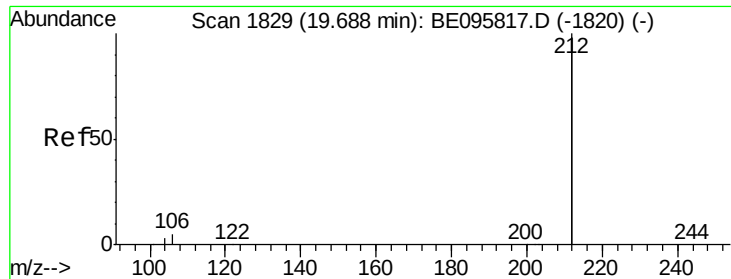


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.386 ng

RT: 19.68 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BE095853.D

Acq: 26 Mar 2018 00:00

Instrument :

BNA_E

ClientSampleId :

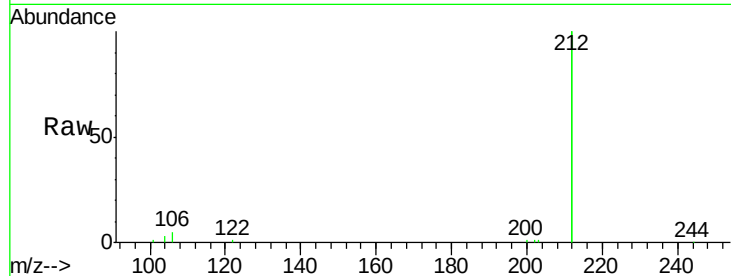
Tot Ion:212 Resp: 36768

Ion Ratio Lower Upper

212 100

106 2.9 2.8 4.2

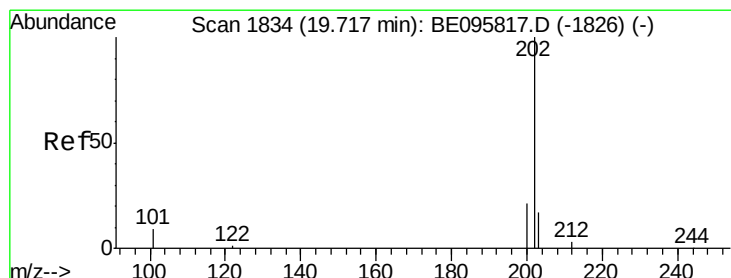
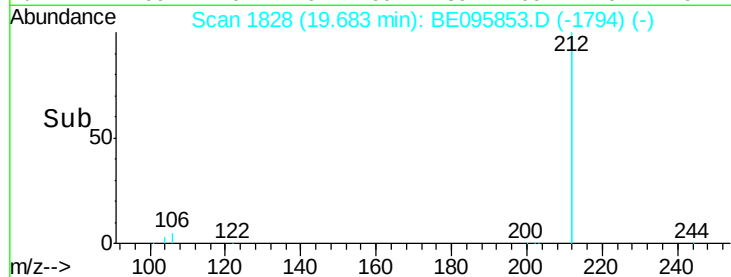
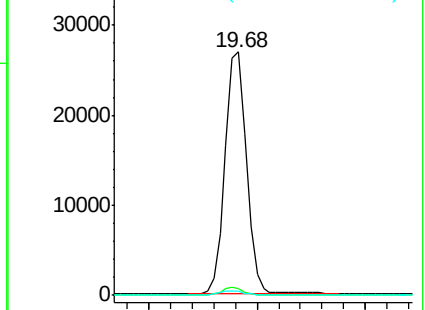
104 1.7 1.6 2.4



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



#26

Fluoranthene

Concen: 0.154 ng

RT: 19.71 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BE095853.D

Acq: 26 Mar 2018 00:00

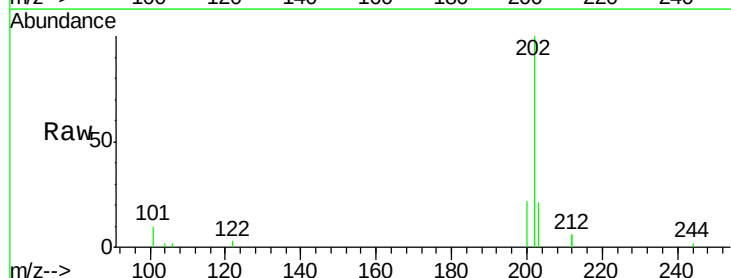
Tgt Ion:202 Resp: 4114

Ion Ratio Lower Upper

202 100

101 10.6 9.8 14.8

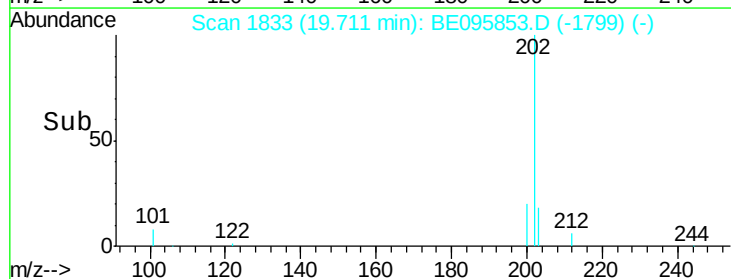
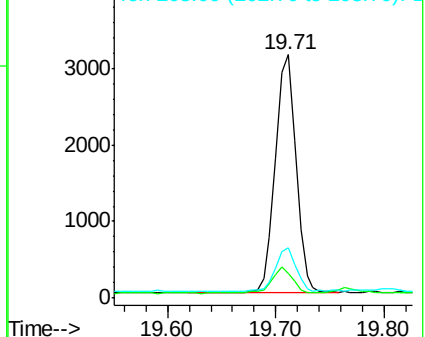
203 17.7 13.7 20.5

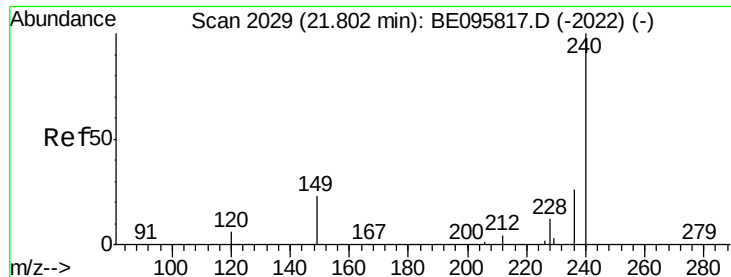


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.79 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BE095853.D

Acq: 26 Mar 2018 00:00

Instrument :

BNA_E

ClientSampleId :

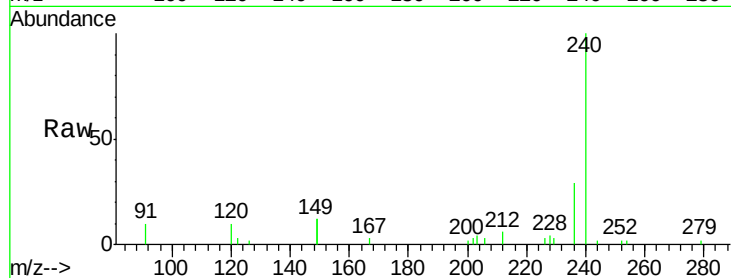
Tot Ion:240 Resp: 7687

Ion Ratio Lower Upper

240 100

120 9.8 5.5 8.3#

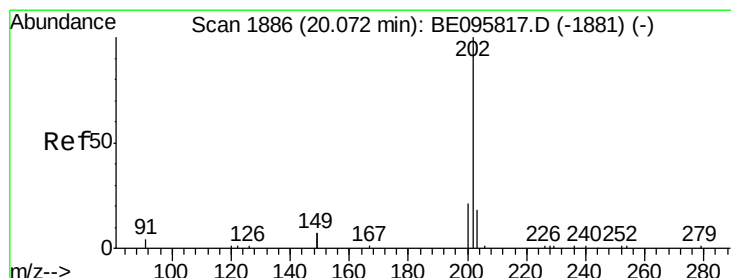
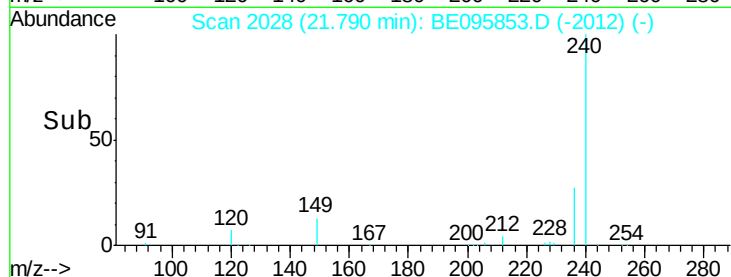
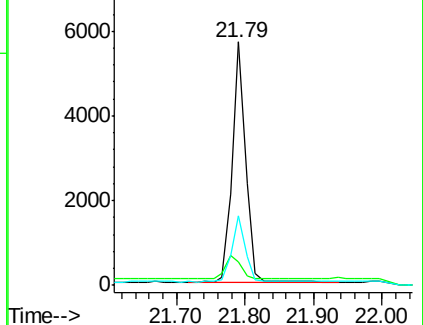
236 28.6 20.7 31.1



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: 0.094 ng

RT: 20.06 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BE095853.D

Acq: 26 Mar 2018 00:00

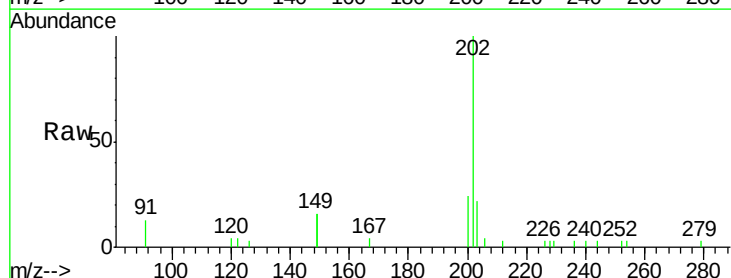
Tgt Ion:202 Resp: 2947

Ion Ratio Lower Upper

202 100

200 27.7 16.6 25.0#

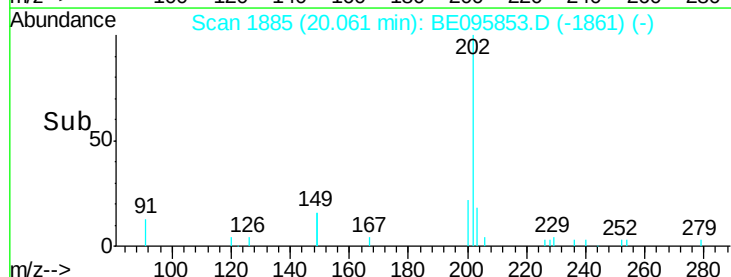
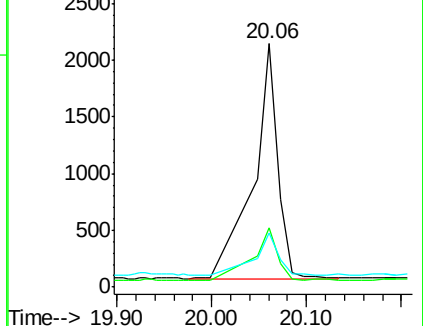
203 20.9 13.8 20.8#

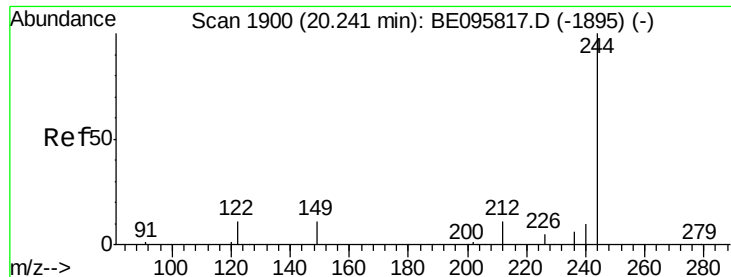


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.623 ng

RT: 20.24 min Scan# 1900

Delta R.T. 0.00 min

Lab File: BE095853.D

Acq: 26 Mar 2018 00:00

Instrument :

BNA_E

ClientSampled :

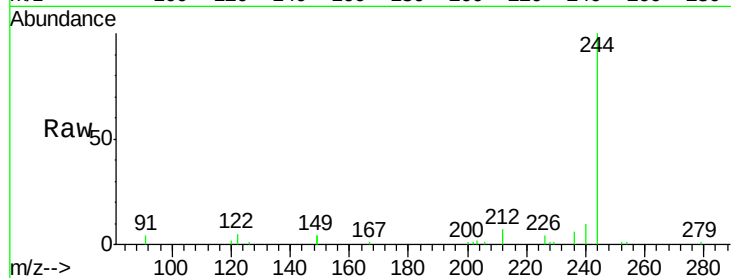
Tot Ion:244 Resp: 10164

Ion Ratio Lower Upper

244 100

212 7.2 25.4 38.0#

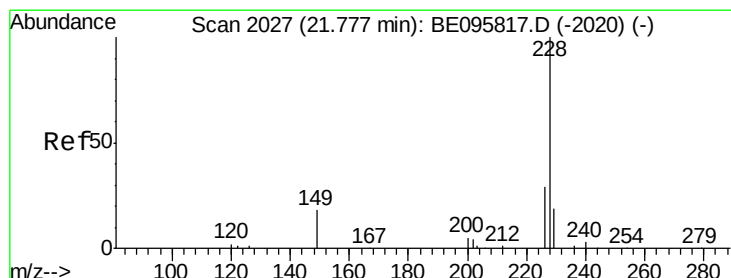
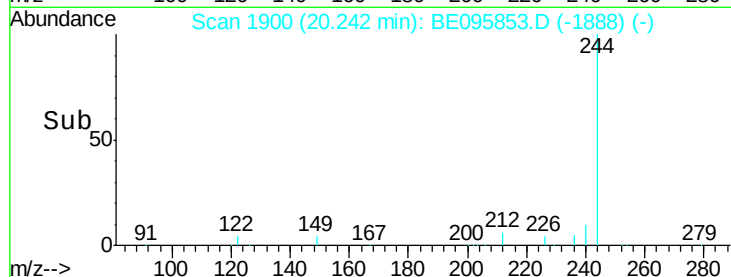
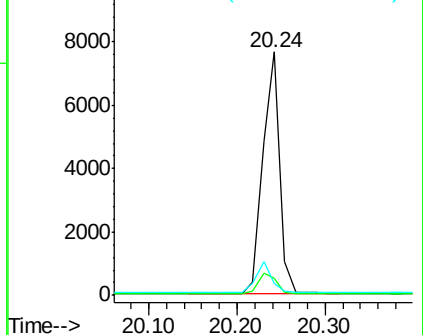
122 5.1 8.1 12.1#



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: 0.034 ng

RT: 21.77 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BE095853.D

Acq: 26 Mar 2018 00:00

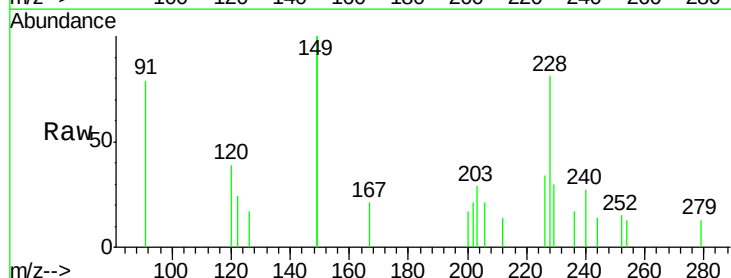
Tgt Ion:228 Resp: 908

Ion Ratio Lower Upper

228 100

226 41.3 24.0 36.0#

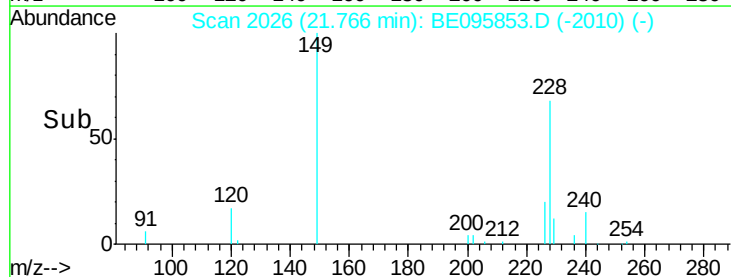
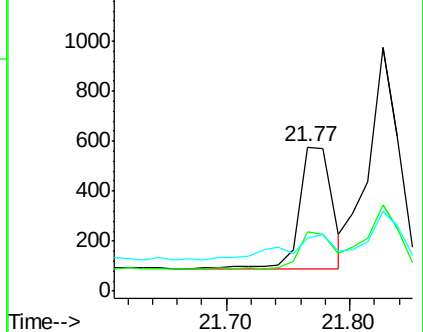
229 37.2 16.0 24.0#

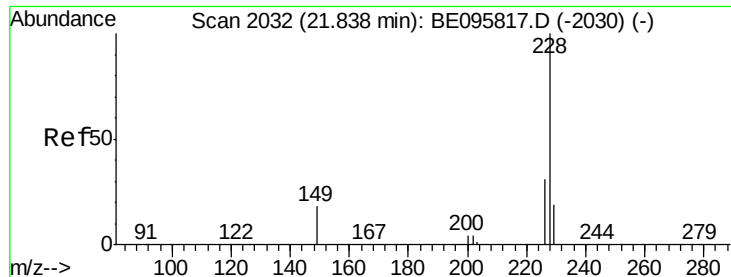


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.061 ng

RT: 21.83 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BE095853.D

Acq: 26 Mar 2018 00:00

Instrument :

BNA_E

ClientSampled :

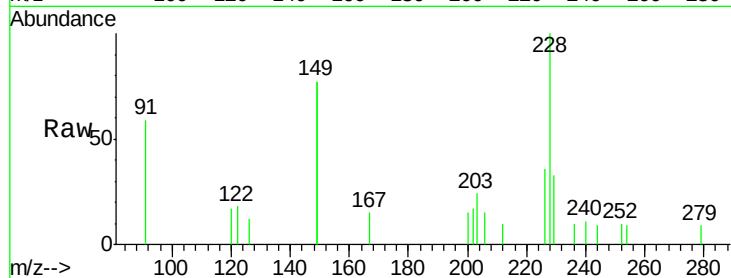
Tot Ion:228 Resp: 1493

Ion Ratio Lower Upper

228 100

226 35.6 24.0 36.0

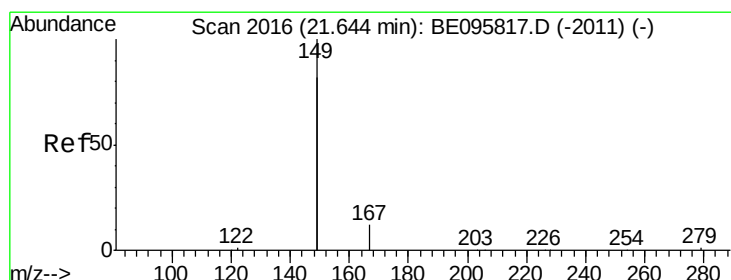
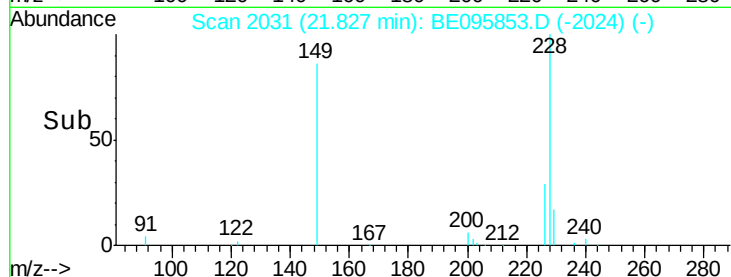
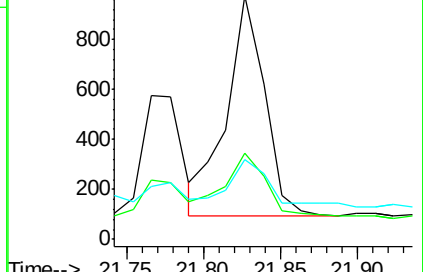
229 32.8 16.0 24.0#



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.076 ng

RT: 21.65 min Scan# 2016

Delta R.T. 0.00 min

Lab File: BE095853.D

Acq: 26 Mar 2018 00:00

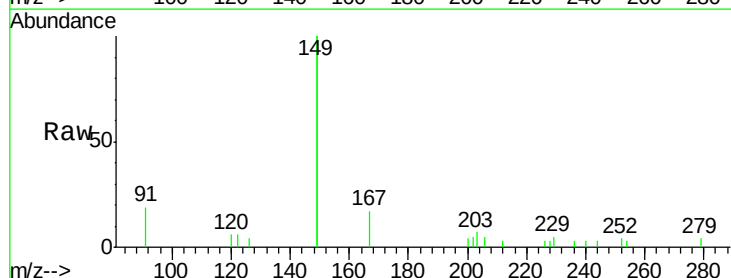
Tgt Ion:149 Resp: 6173

Ion Ratio Lower Upper

149 100

167 7.0 5.4 8.0

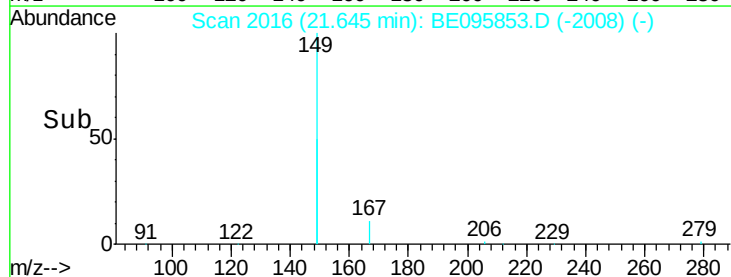
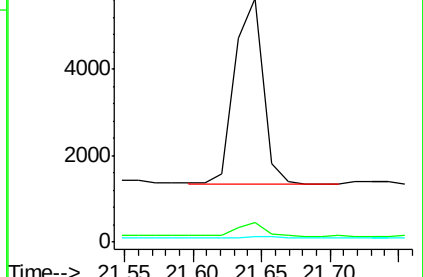
279 1.0 0.7 1.1

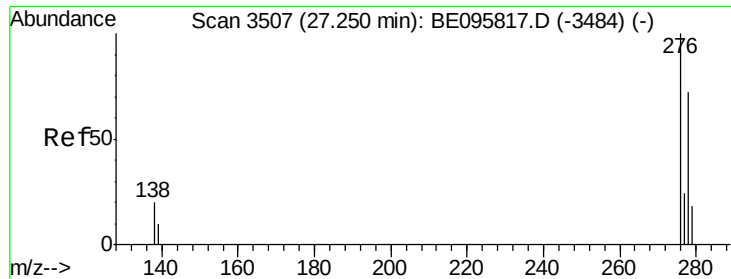


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.035 ng

RT: 27.21 min Scan# 3496

Delta R.T. -0.04 min

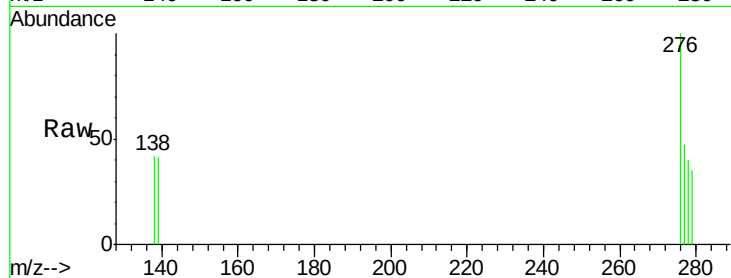
Lab File: BE095853.D

Acq: 26 Mar 2018 00:00

Instrument :

BNA_E

ClientSampleId :



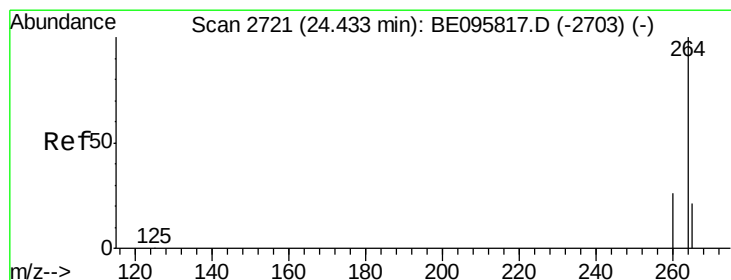
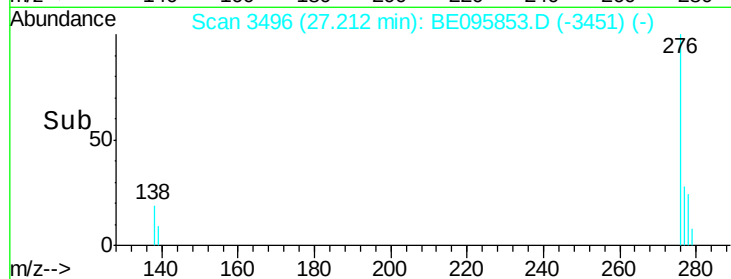
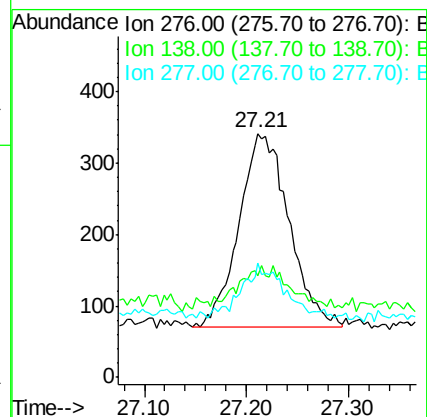
Tot Ion:276 Resp: 919

Ion Ratio Lower Upper

276 100

138 8.6 22.5 33.7#

277 23.8 19.9 29.9



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.41 min Scan# 2716

Delta R.T. -0.02 min

Lab File: BE095853.D

Acq: 26 Mar 2018 00:00

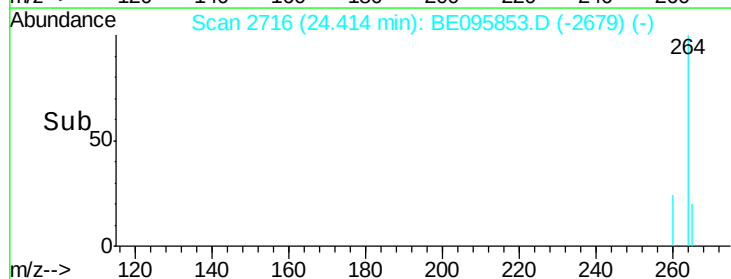
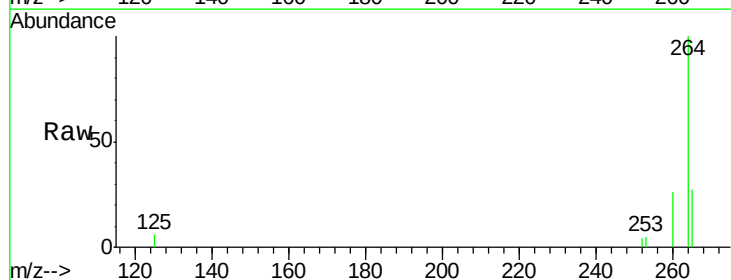
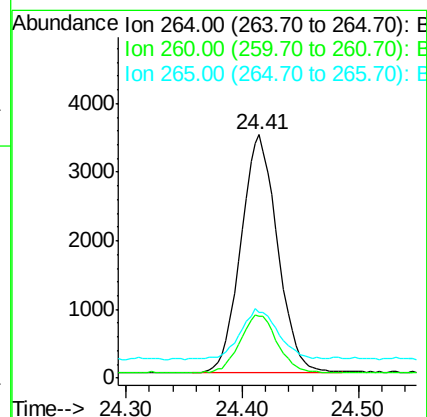
Tgt Ion:264 Resp: 7589

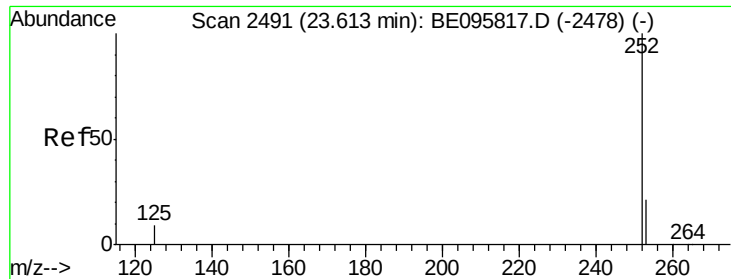
Ion Ratio Lower Upper

264 100

260 25.5 20.5 30.7

265 27.0 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.065 ng

RT: 23.61 min Scan# 2489

Delta R.T. -0.01 min

Lab File: BE095853.D

Acq: 26 Mar 2018 00:00

Instrument :

BNA_E

ClientSampleId :

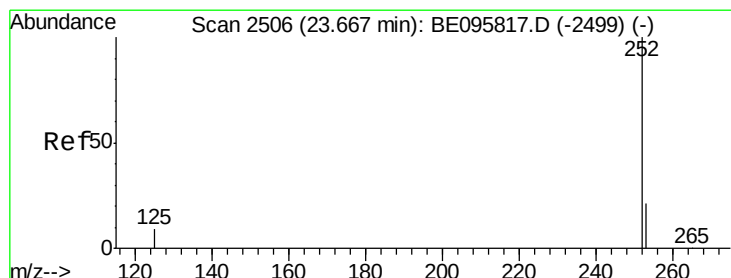
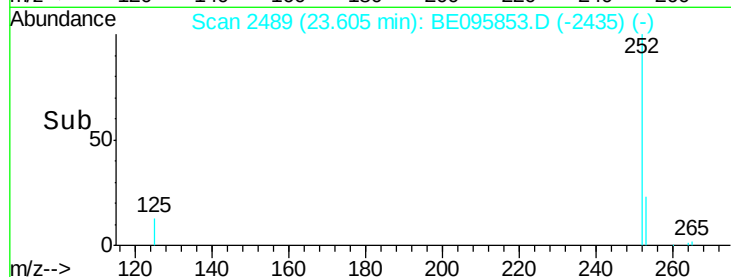
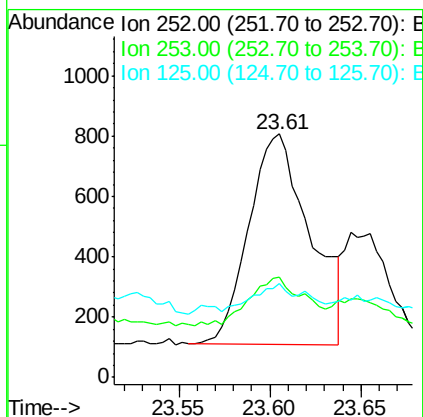
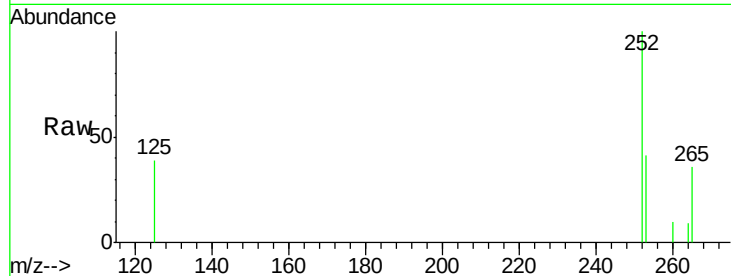
Tot Ion:252 Resp: 1642

Ion Ratio Lower Upper

252 100

253 41.4 20.0 30.0#

125 38.5 16.0 24.0#



#36

Benzo(k)fluoranthene

Concen: 0.026 ng

RT: 23.64 min Scan# 2500

Delta R.T. -0.02 min

Lab File: BE095853.D

Acq: 26 Mar 2018 00:00

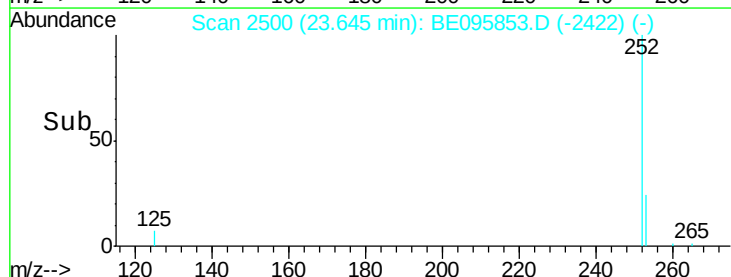
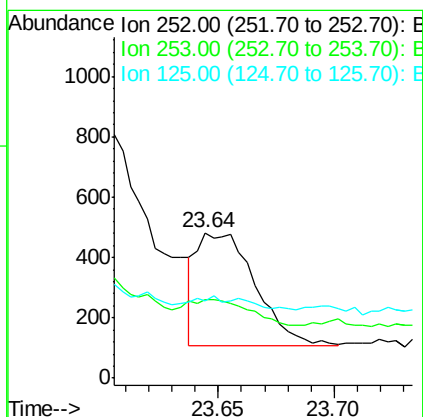
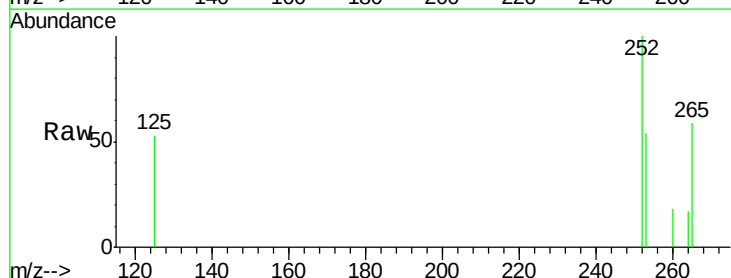
Tgt Ion:252 Resp: 653

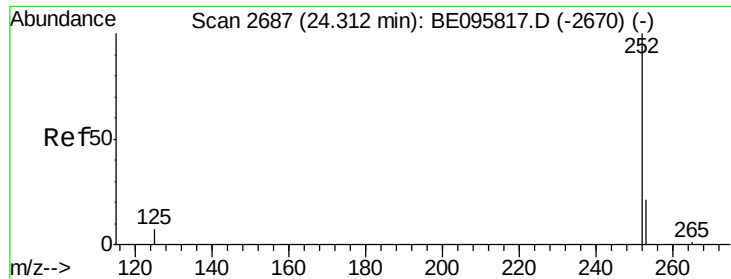
Ion Ratio Lower Upper

252 100

253 53.8 16.0 24.0#

125 53.4 8.0 12.0#





#37

Benzo(a)pyrene

Concen: 0.037 ng

RT: 24.30 min Scan# 2683

Delta R.T. -0.02 min

Lab File: BE095853.D

Acq: 26 Mar 2018 00:00

Instrument :

BNA_E

ClientSampleId :

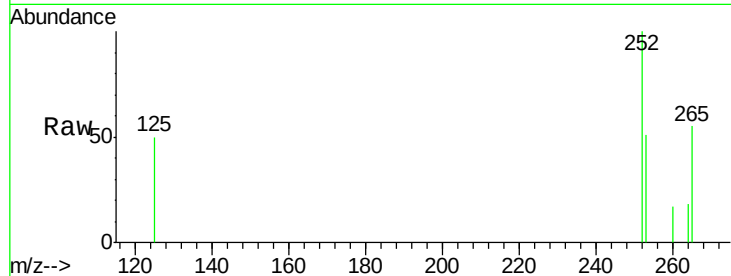
Tot Ion:252 Resp: 874

Ion Ratio Lower Upper

252 100

253 51.1 16.0 24.0#

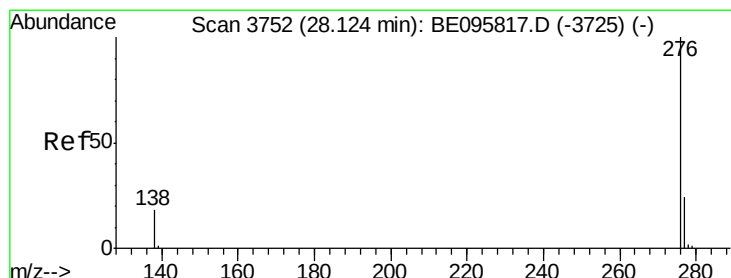
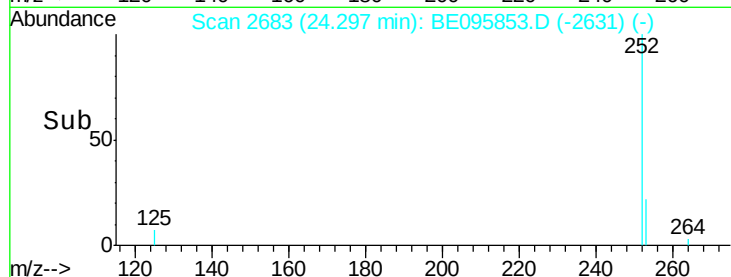
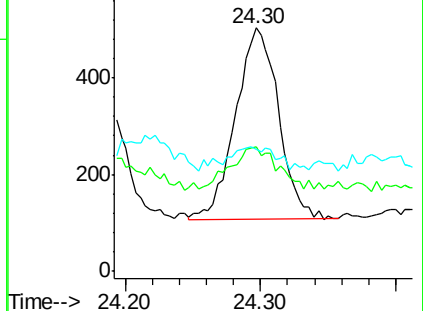
125 49.9 12.0 18.0#



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



#39

Benzo(g,h,i)perylene

Concen: 0.039 ng

RT: 28.10 min Scan# 3744

Delta R.T. -0.03 min

Lab File: BE095853.D

Acq: 26 Mar 2018 00:00

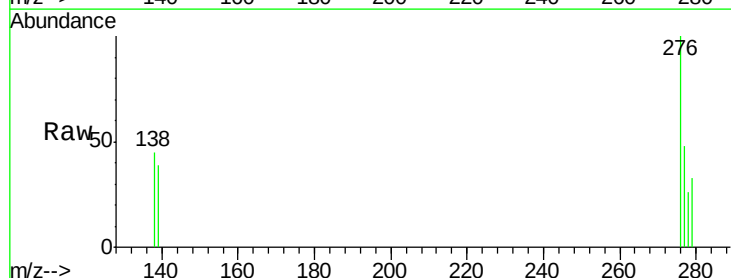
Tgt Ion:276 Resp: 882

Ion Ratio Lower Upper

276 100

277 48.3 16.0 24.0#

138 44.7 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

