

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032618\
 Data File : BE095852.D
 Acq On : 26 Mar 2018 23:24
 Operator : SJ/JU
 Sample : J1994-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 27 05:43:52 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	1127	0.40	ng	0.00
7) Naphthalene-d8	11.26	136	4288	0.40	ng	0.00
13) Acenaphthene-d10	14.99	164	2449	0.40	ng	-0.01
19) Phenanthrene-d10	17.69	188	6026	0.40	ng	-0.01
27) Chrysene-d12	21.79	240	7034	0.40	ng	-0.01
34) Perylene-d12	24.42	264	6824	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.91	112	658	0.18	ng	0.00
5) Phenol-d6	7.56	99	565	0.11	ng	0.00
8) Nitrobenzene-d5	9.59	82	2598	0.51	ng	0.00
11) 2-Methylnaphthalene-d10	12.79	152	2972	0.42	ng	0.00
14) 2,4,6-Tribromophenol	16.46	330	647	0.46	ng	-0.01
15) 2-Fluorobiphenyl	13.63	172	6455	0.63	ng	-0.01
25) Fluoranthene-d10	19.68	212	37422	0.42	ng	0.00
29) Terphenyl-d14	20.24	244	10085	0.68	ng	0.00

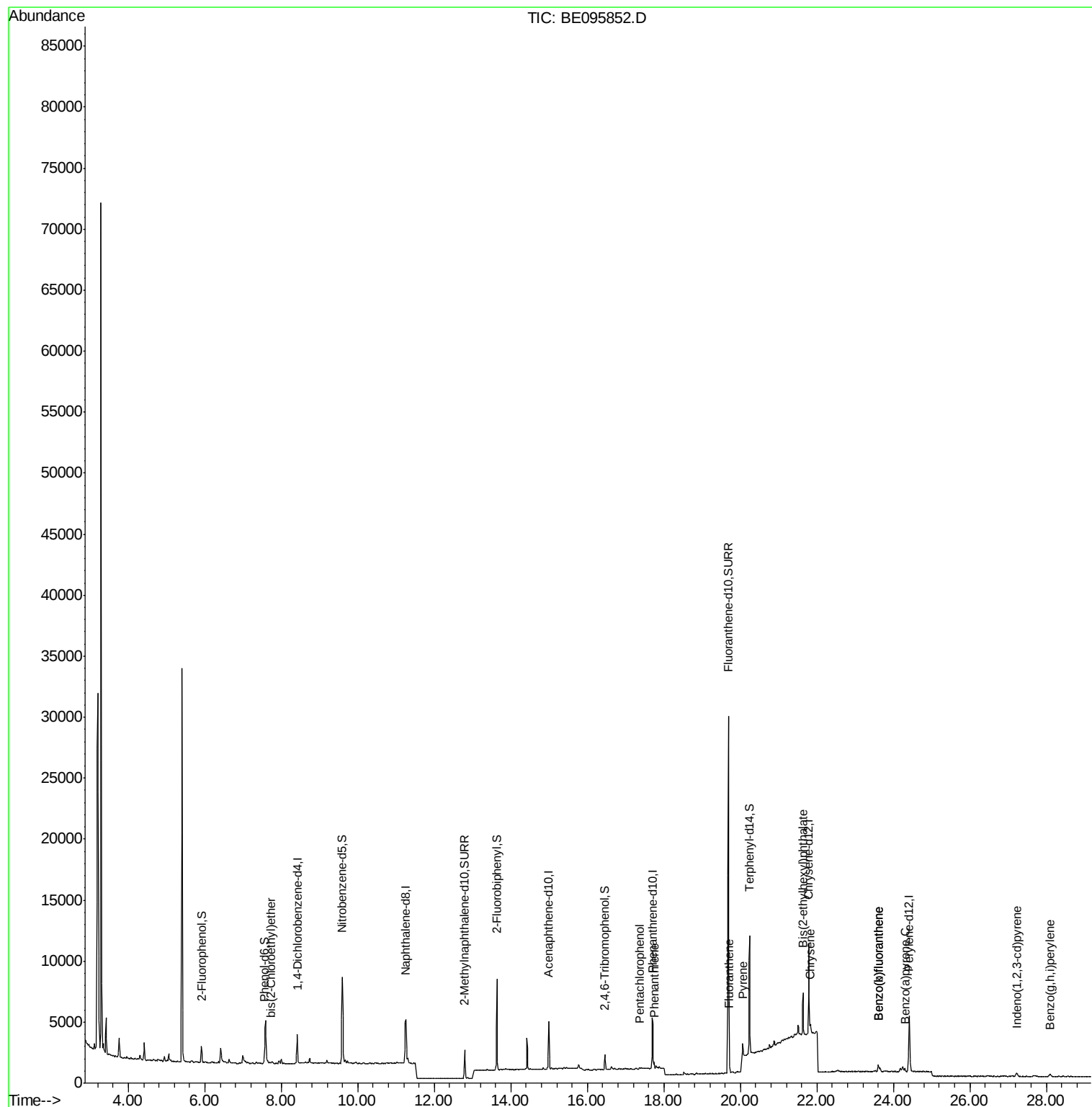
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) bis(2-Chloroethyl)ether	7.72	93	144	0.033	ng	# 1
22) Pentachlorophenol	17.36	266	41	0.161	ng	92
23) Phenanthrene	17.74	178	551	0.031	ng	98
26) Fluoranthene	19.71	202	1146	0.046	ng	94
28) Pyrene	20.06	202	1142	0.040	ng	# 93
31) Chrysene	21.83	228	830	0.037	ng	# 68
32) Bis(2-ethylhexyl)phthalate	21.64	149	4698	0.063	ng	# 100
33) Indeno(1,2,3-cd)pyrene	27.22	276	534	0.022	ng	# 67
35) Benzo(b)fluoranthene	23.60	252	962	0.043	ng	# 44
36) Benzo(k)fluoranthene	23.60	252	962	0.043	ng	# 20
37) Benzo(a)pyrene	24.30	252	469	0.022	ng	# 1
39) Benzo(a,h,i)perylene	28.10	276	516	0.026	ng	# 32

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

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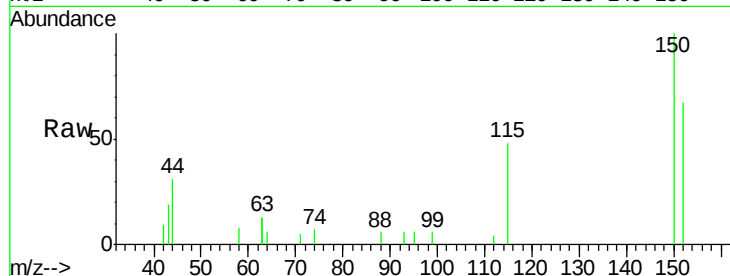


#1

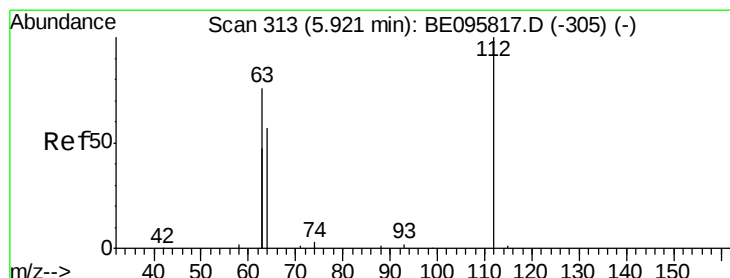
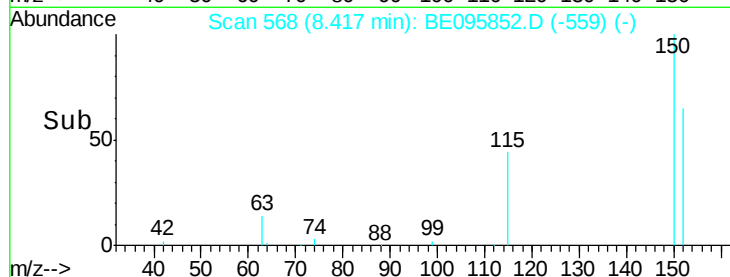
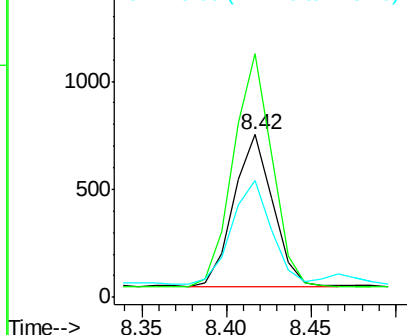
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.42 min Scan# 568
Delta R.T. -0.01 min
Lab File: BE095852.D
Acq: 26 Mar 2018 23:24

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1127
Ion Ratio Lower Upper
152 100
150 149.7 117.2 175.8
115 72.1 57.0 85.6



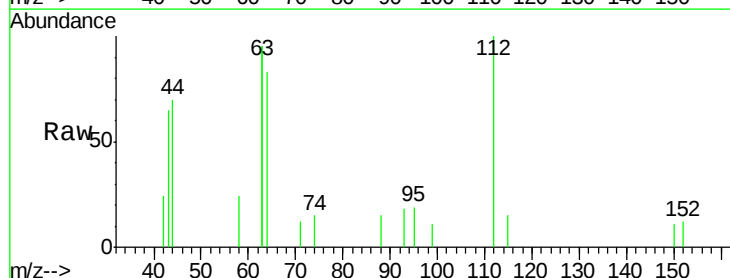
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



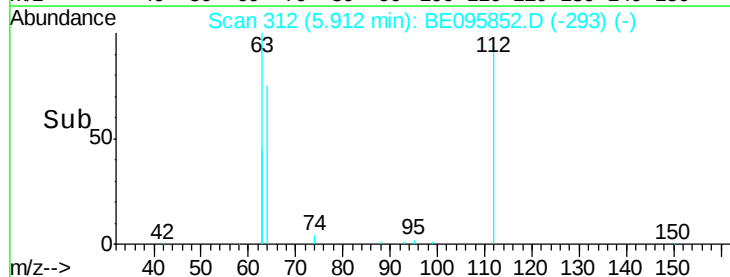
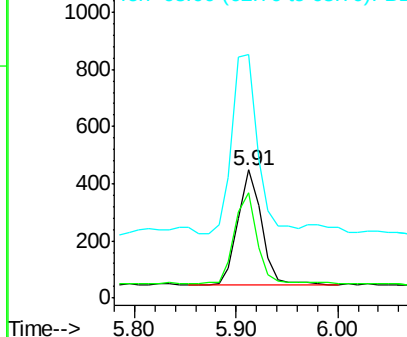
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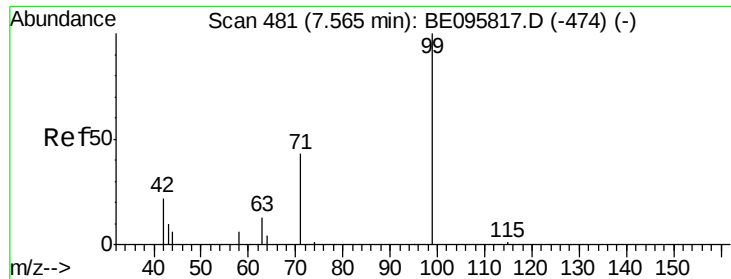
2-Fluorophenol
Concen: 0.177 ng
RT: 5.91 min Scan# 312
Delta R.T. -0.01 min
Lab File: BE095852.D
Acq: 26 Mar 2018 23:24

Tgt Ion:112 Resp: 658
Ion Ratio Lower Upper
112 100
64 76.4 60.1 90.1
63 169.0 116.8 175.2



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: 0.111 ng

RT: 7.56 min Scan# 480

Delta R.T. -0.01 min

Lab File: BE095852.D

Acq: 26 Mar 2018 23:24

Instrument :

BNA_E

ClientSampled :

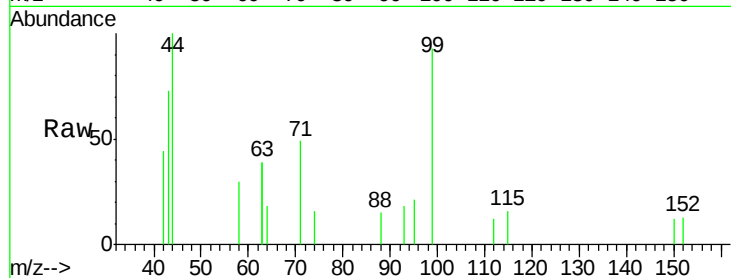
Tot Ion: 99 Resp: 565

Ion Ratio Lower Upper

99 100

42 0.0 20.2 30.2#

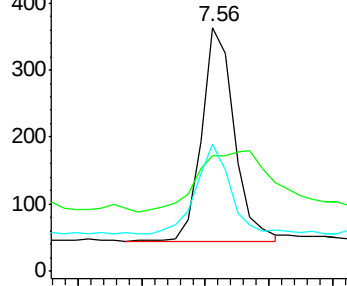
71 45.7 28.4 42.6#



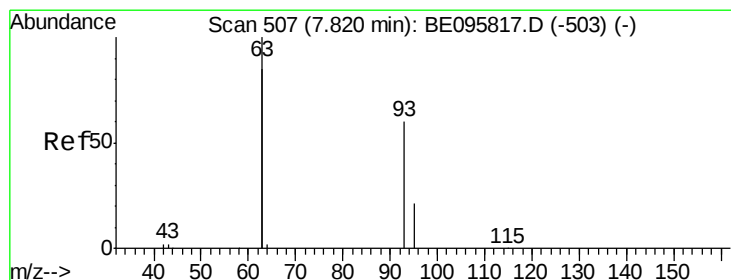
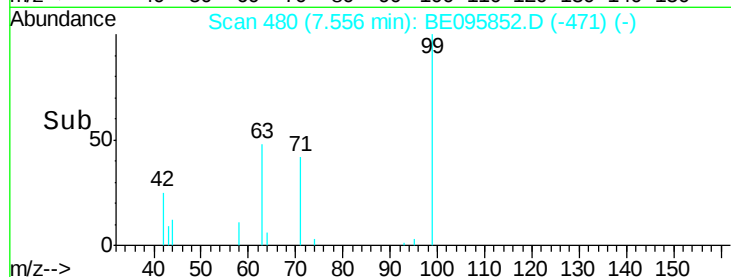
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.033 ng

RT: 7.72 min Scan# 497

Delta R.T. -0.10 min

Lab File: BE095852.D

Acq: 26 Mar 2018 23:24

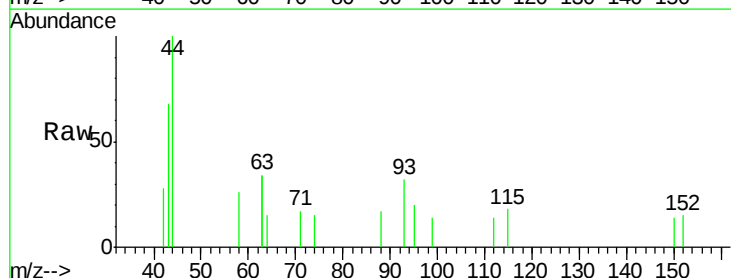
Tgt Ion: 93 Resp: 144

Ion Ratio Lower Upper

93 100

63 61.1 275.3 412.9#

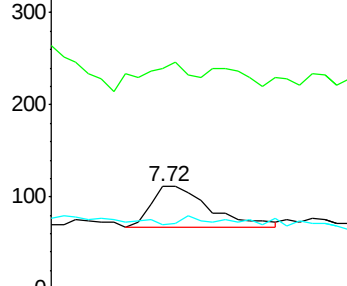
95 6.3 25.2 37.8#



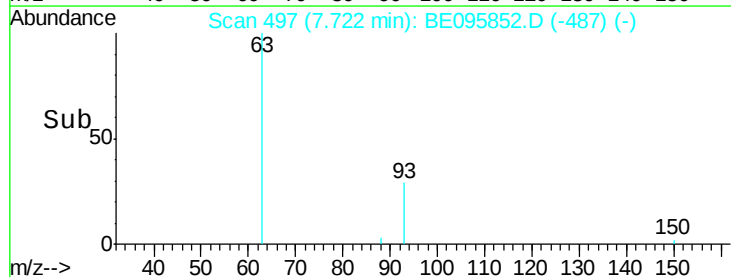
Abundance Ion 93.00 (92.70 to 93.70): BE0

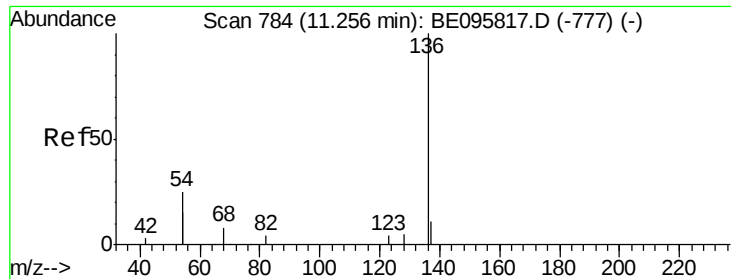
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.26 min Scan# 784

Delta R.T. 0.00 min

Lab File: BE095852.D

Acq: 26 Mar 2018 23:24

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 4288

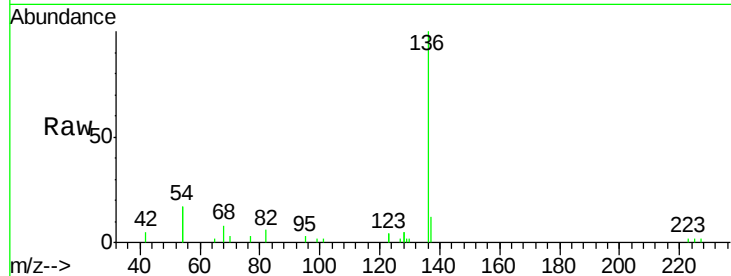
Ion Ratio Lower Upper

136 100

137 12.4 9.5 14.3

54 34.4 29.1 43.7

68 7.6 6.2 9.2

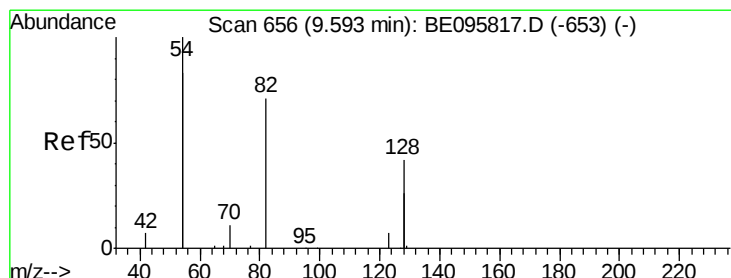
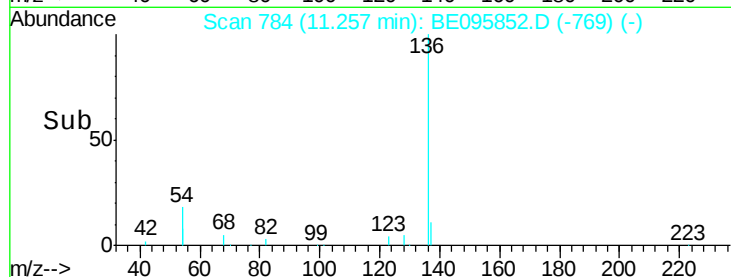
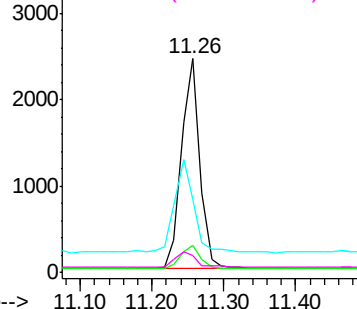


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.513 ng

RT: 9.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: BE095852.D

Acq: 26 Mar 2018 23:24

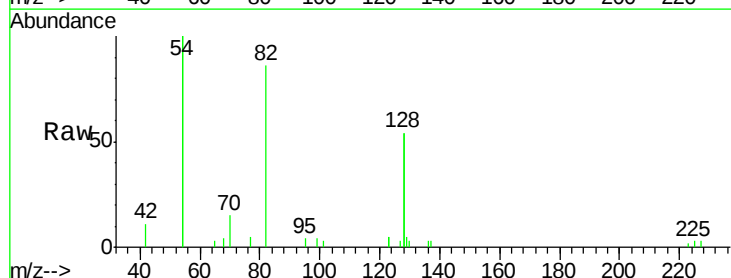
Tgt Ion: 82 Resp: 2598

Ion Ratio Lower Upper

82 100

128 125.4 150.0 225.0#

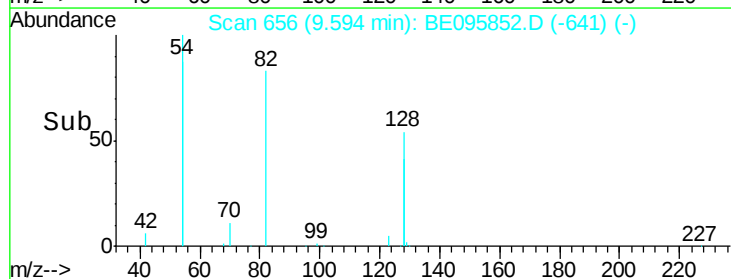
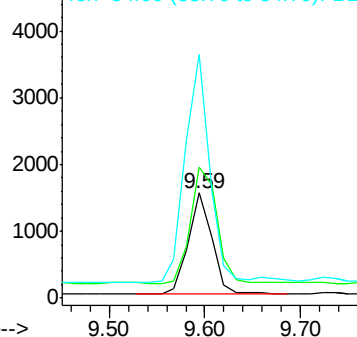
54 232.2 154.2 231.4#

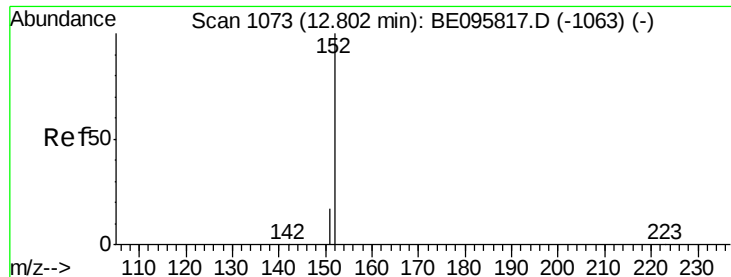


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

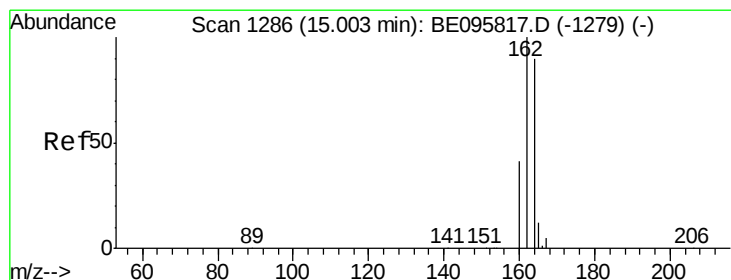
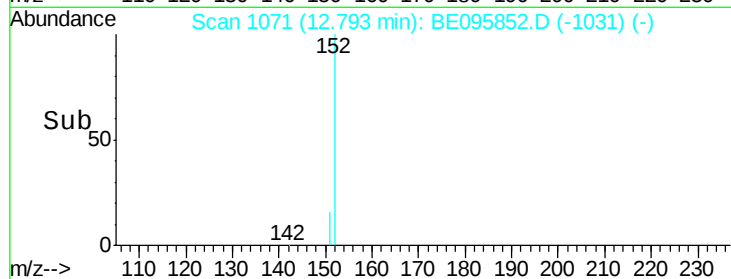
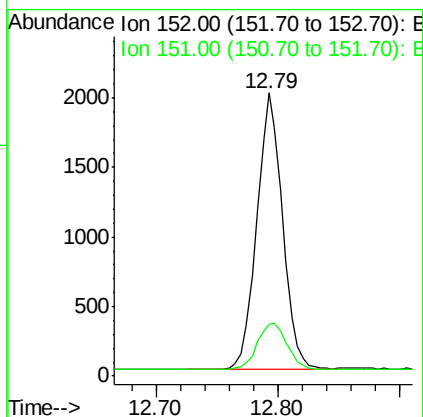
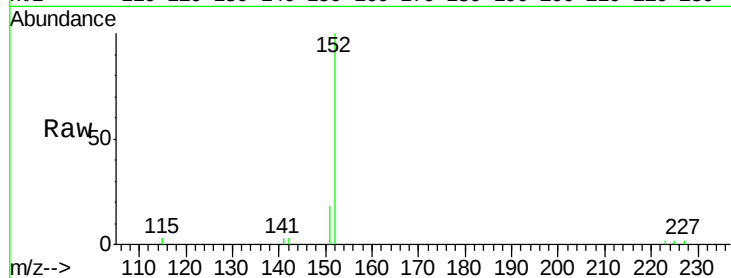




#11
2-Methylnaphthalene-d10
Concen: 0.415 ng
RT: 12.79 min Scan# 1071
Delta R.T. -0.01 min
Lab File: BE095852.D
Acq: 26 Mar 2018 23:24

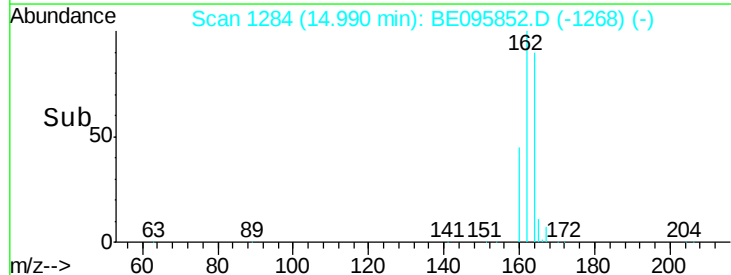
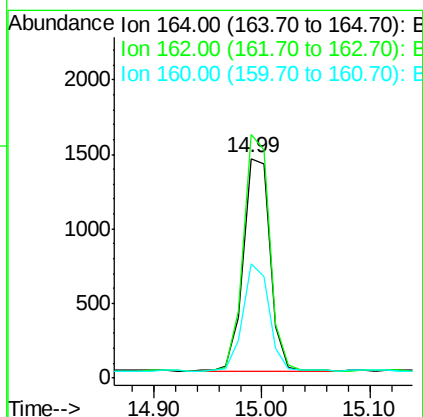
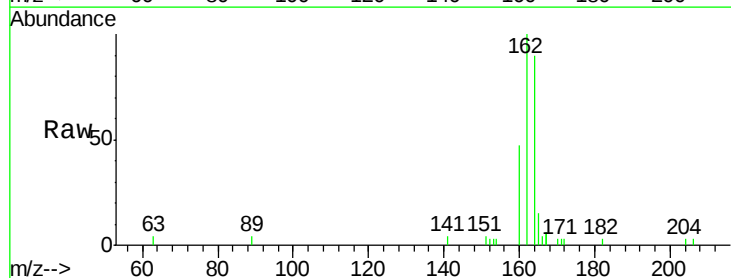
Instrument :
BNA_E
ClientSampleId :

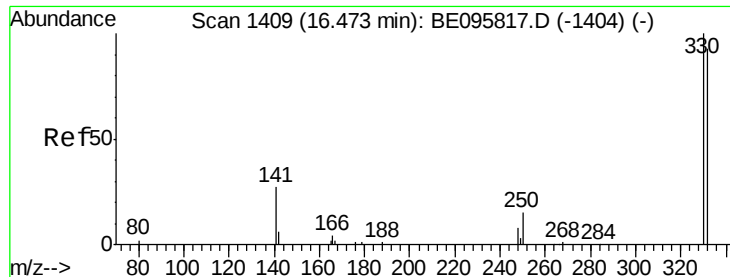
Tot Ion:152 Resp: 2972
Ion Ratio Lower Upper
152 100
151 19.5 15.4 23.0



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.99 min Scan# 1284
Delta R.T. -0.01 min
Lab File: BE095852.D
Acq: 26 Mar 2018 23:24

Tgt Ion:164 Resp: 2449
Ion Ratio Lower Upper
164 100
162 110.9 83.1 124.7
160 51.9 37.1 55.7

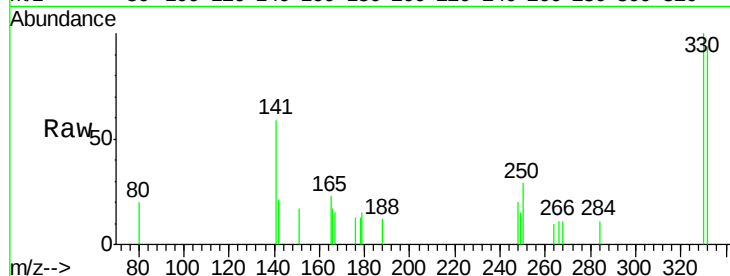




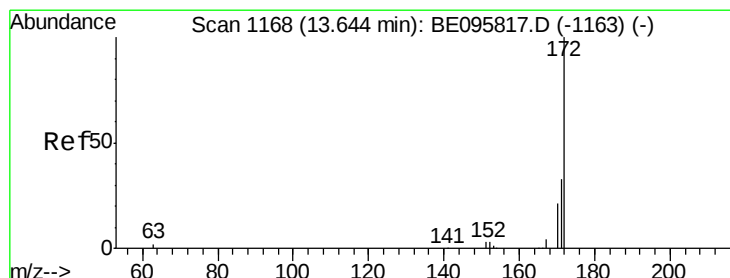
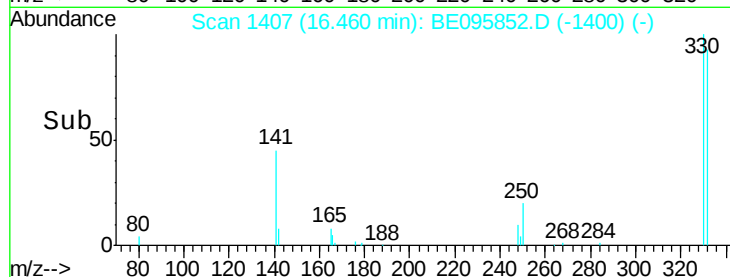
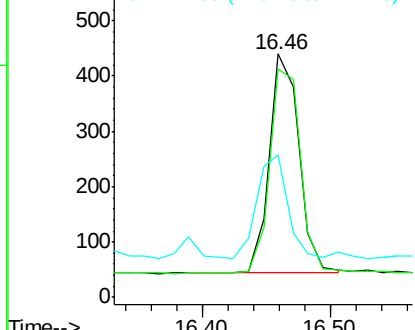
#14
 2,4,6-Tribromophenol
 Concen: 0.458 ng
 RT: 16.46 min Scan# 1407
 Delta R.T. -0.01 min
 Lab File: BE095852.D
 Acq: 26 Mar 2018 23:24

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:330 Resp: 647
 Ion Ratio Lower Upper
 330 100
 332 98.1 152.7 229.1#
 141 48.1 33.7 50.5

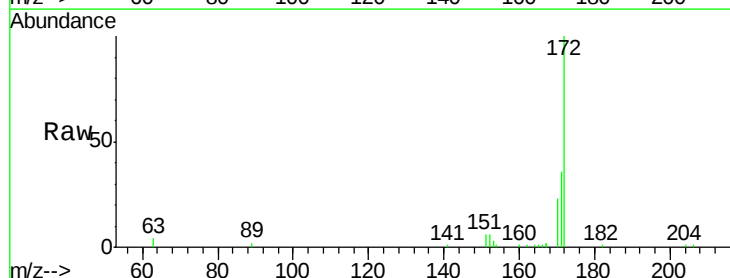


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

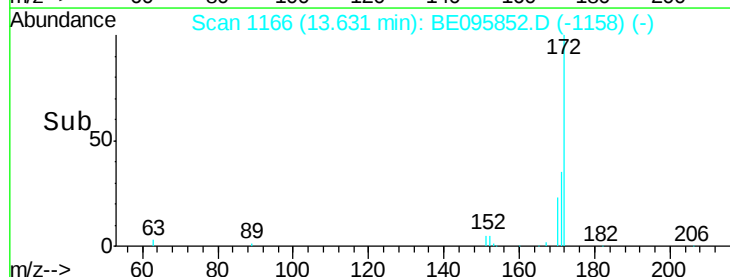
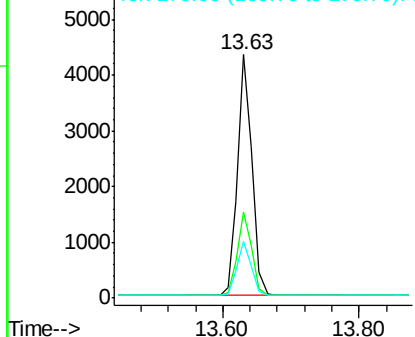


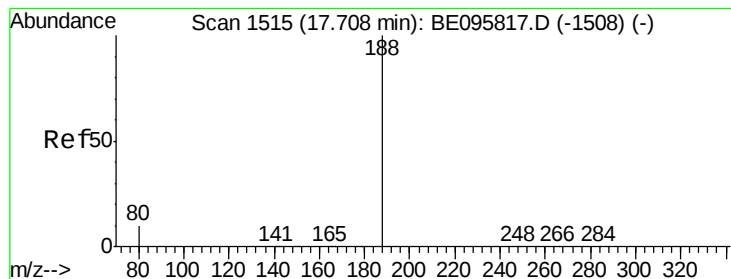
#15
 2-Fluorobiphenyl
 Concen: 0.625 ng
 RT: 13.63 min Scan# 1166
 Delta R.T. -0.01 min
 Lab File: BE095852.D
 Acq: 26 Mar 2018 23:24

Tgt Ion:172 Resp: 6455
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.9 44.9
 170 23.4 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: 17.69 min Scan# 1513

Delta R.T. -0.01 min

Lab File: BE095852.D

Acq: 26 Mar 2018 23:24

Instrument :

BNA_E

ClientSampleId :

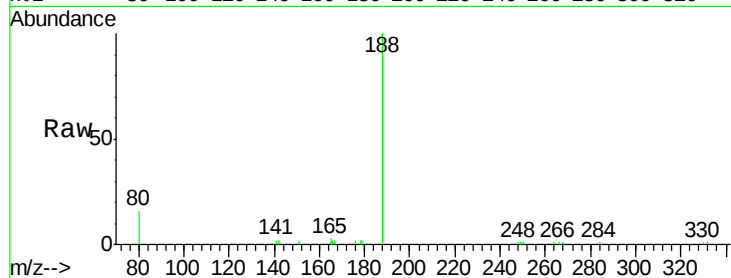
Tot Ion:188 Resp: 6026

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

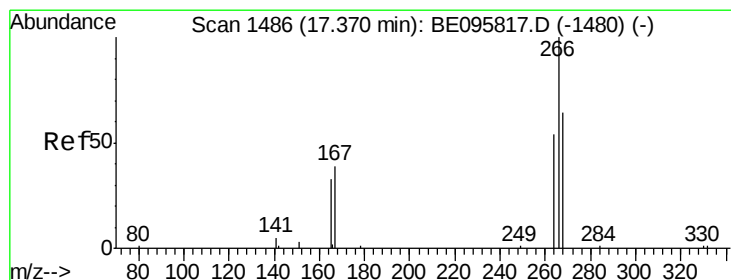
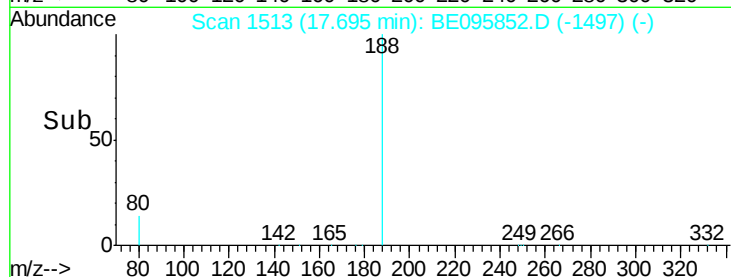
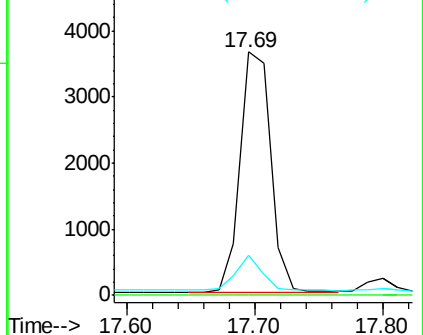
80 16.4 3.6 5.4#



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: 0.161 ng

RT: 17.36 min Scan# 1484

Delta R.T. -0.01 min

Lab File: BE095852.D

Acq: 26 Mar 2018 23:24

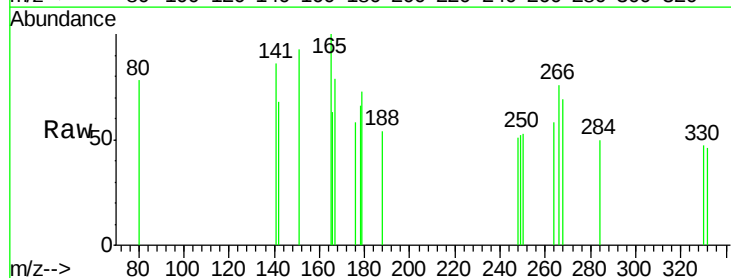
Tgt Ion:266 Resp: 41

Ion Ratio Lower Upper

266 100

264 76.7 72.5 108.7

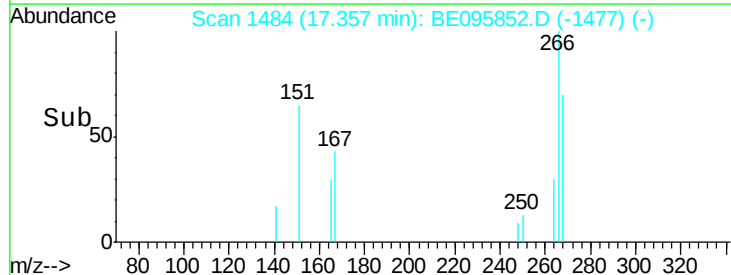
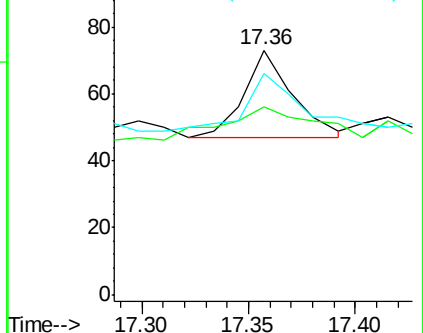
268 90.4 73.8 110.6

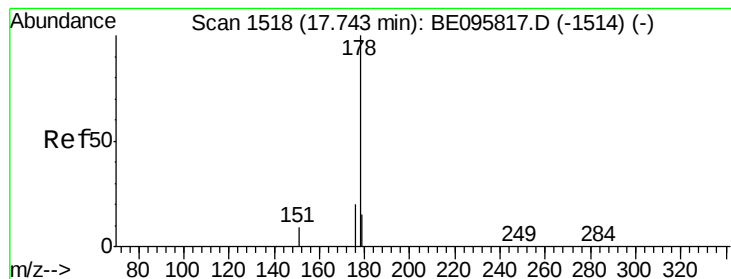


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.031 ng

RT: 17.74 min Scan# 1517

Delta R.T. -0.00 min

Lab File: BE095852.D

Acq: 26 Mar 2018 23:24

Instrument :

BNA_E

ClientSampleId :

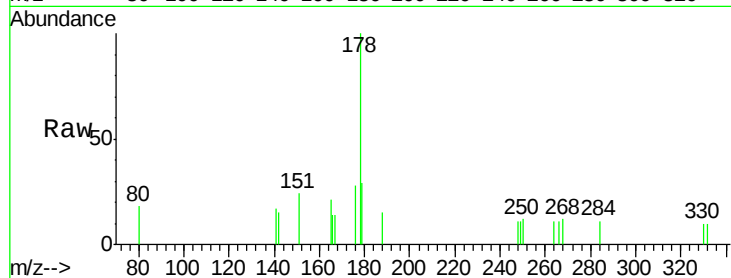
Tot Ion:178 Resp: 551

Ion Ratio Lower Upper

178 100

176 17.1 15.1 22.7

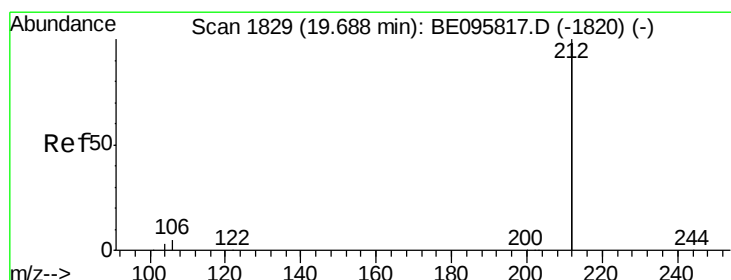
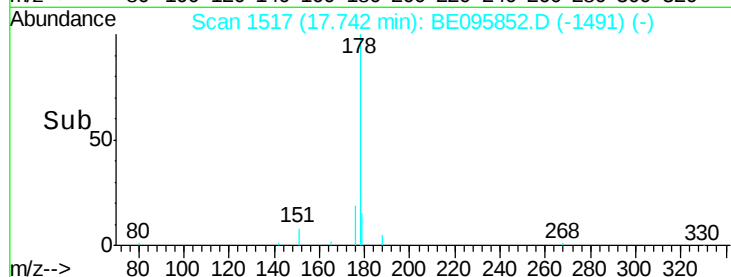
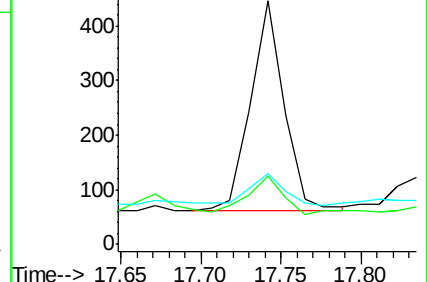
179 14.9 11.8 17.6



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: 0.418 ng

RT: 19.68 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BE095852.D

Acq: 26 Mar 2018 23:24

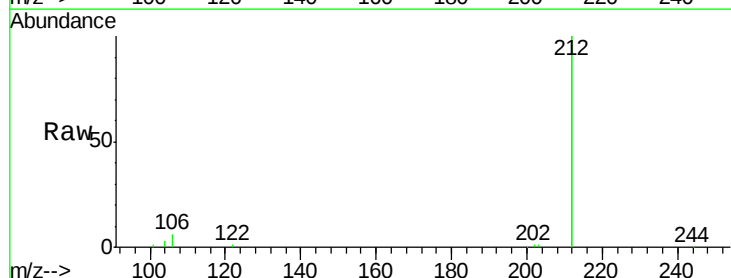
Tgt Ion:212 Resp: 37422

Ion Ratio Lower Upper

212 100

106 3.0 2.8 4.2

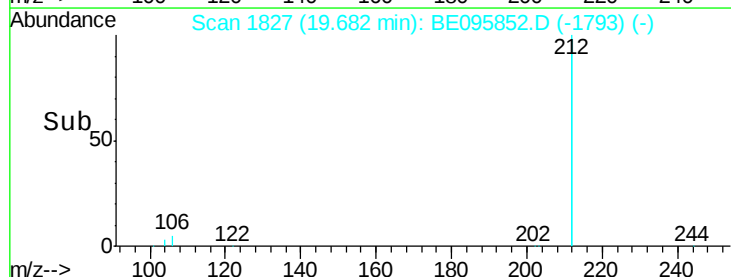
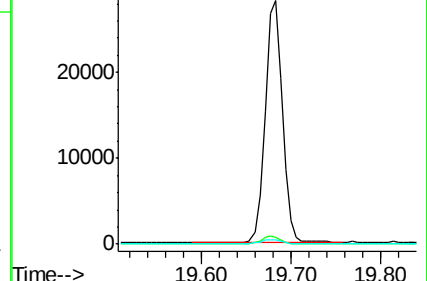
104 1.7 1.6 2.4

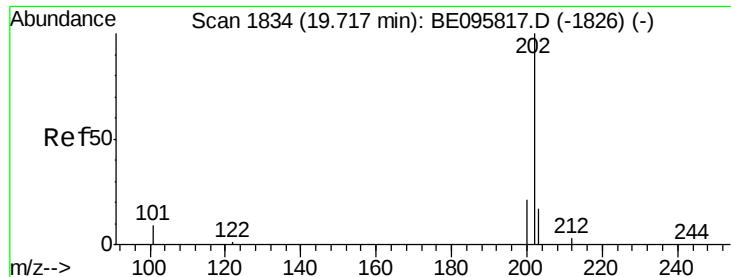


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

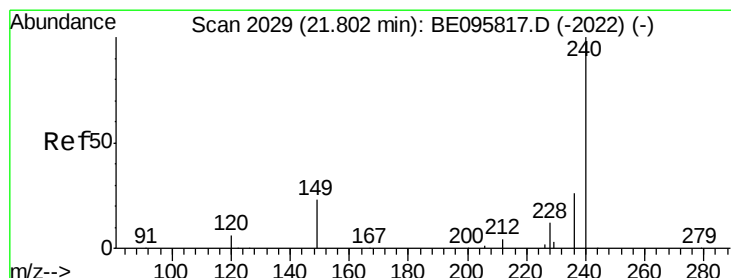
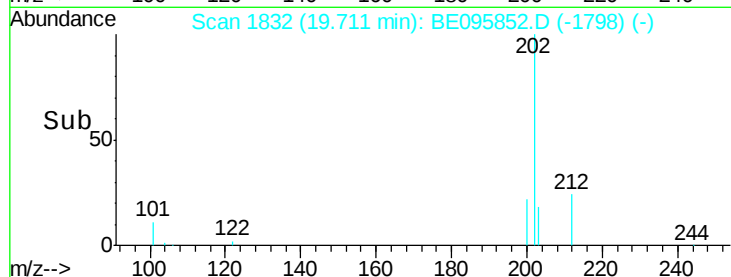
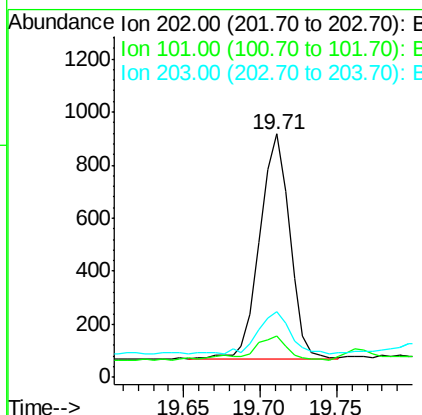
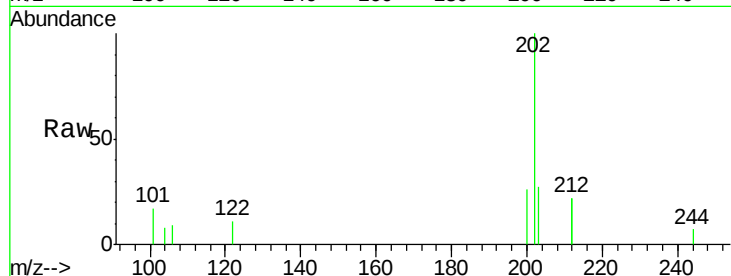




#26
 Fluoranthene
 Concen: 0.046 ng
 RT: 19.71 min Scan# 1832
 Delta R.T. -0.01 min
 Lab File: BE095852.D
 Acq: 26 Mar 2018 23:24

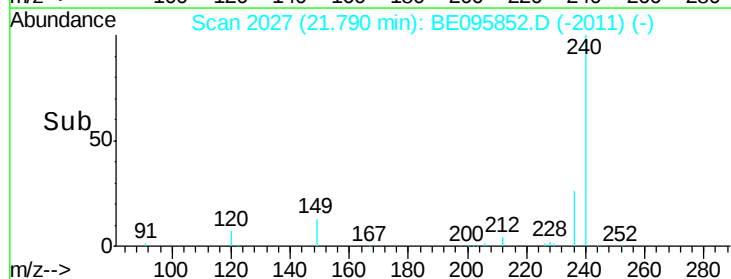
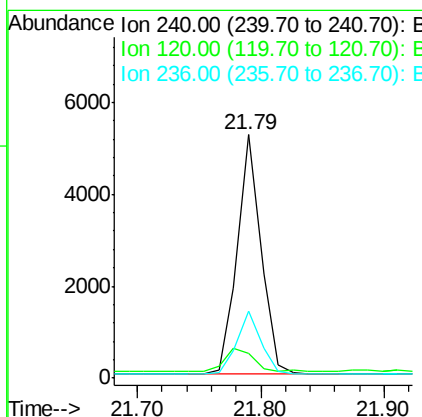
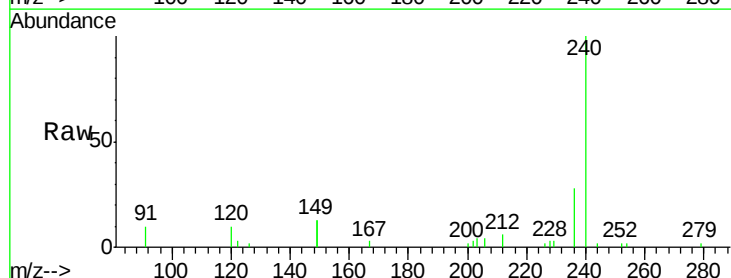
Instrument :
 BNA_E
 ClientSampleId :

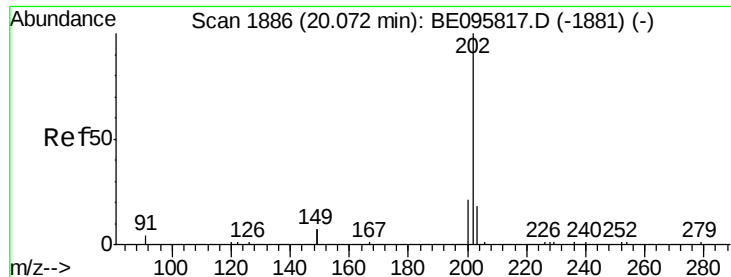
Tot Ion:202 Resp: 1146
 Ion Ratio Lower Upper
 202 100
 101 10.2 9.8 14.8
 203 20.2 13.7 20.5



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.79 min Scan# 2027
 Delta R.T. -0.01 min
 Lab File: BE095852.D
 Acq: 26 Mar 2018 23:24

Tgt Ion:240 Resp: 7034
 Ion Ratio Lower Upper
 240 100
 120 10.0 5.5 8.3#
 236 27.7 20.7 31.1

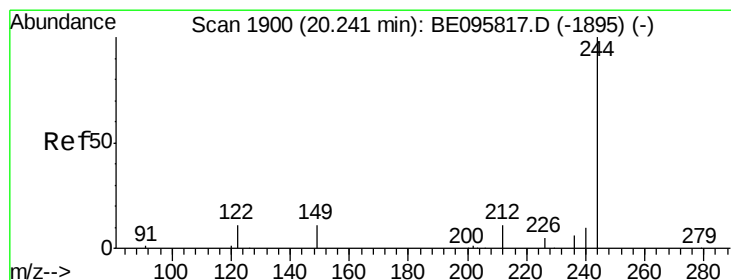
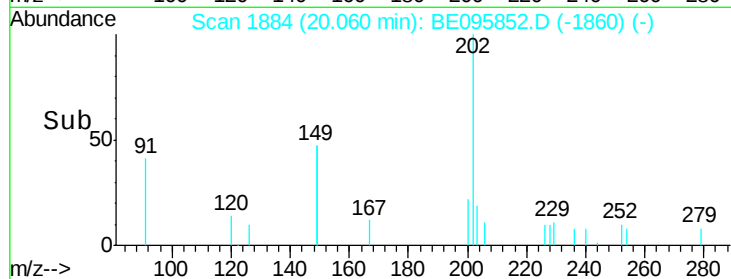
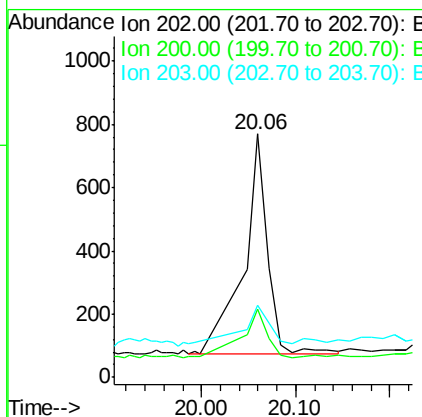
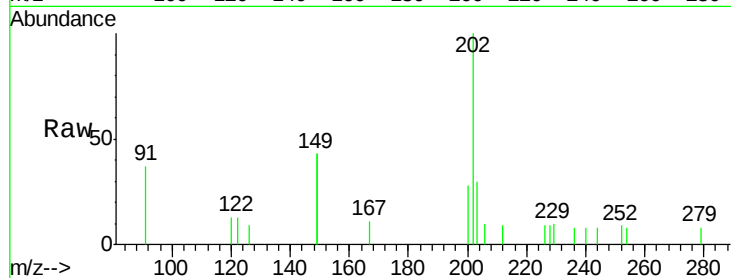




#28
Pvrene
Concen: 0.040 ng
RT: 20.06 min Scan# 1884
Delta R.T. -0.01 min
Lab File: BE095852.D
Acq: 26 Mar 2018 23:24

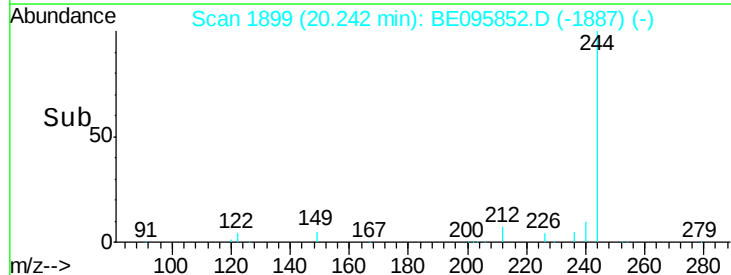
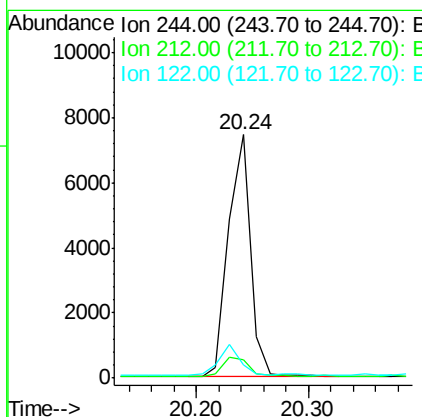
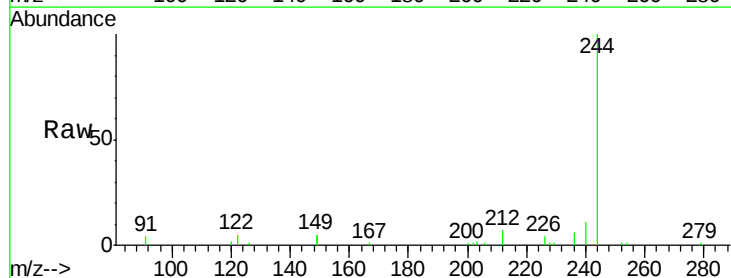
Instrument :
BNA_E
ClientSampleId :

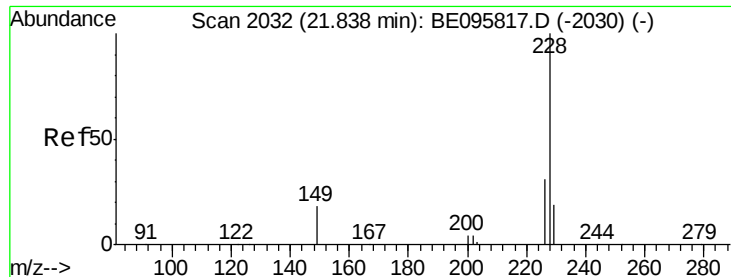
Tot Ion:202 Resp: 1142
Ion Ratio Lower Upper
202 100
200 22.8 16.6 25.0
203 22.1 13.8 20.8#



#29
Terphenyl-d14
Concen: 0.675 ng
RT: 20.24 min Scan# 1899
Delta R.T. 0.00 min
Lab File: BE095852.D
Acq: 26 Mar 2018 23:24

Tgt Ion:244 Resp: 10085
Ion Ratio Lower Upper
244 100
212 7.3 25.4 38.0#
122 5.2 8.1 12.1#





#31

Chrysene

Concen: 0.037 ng

RT: 21.83 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BE095852.D

Acq: 26 Mar 2018 23:24

Instrument :

BNA_E

ClientSampleId :

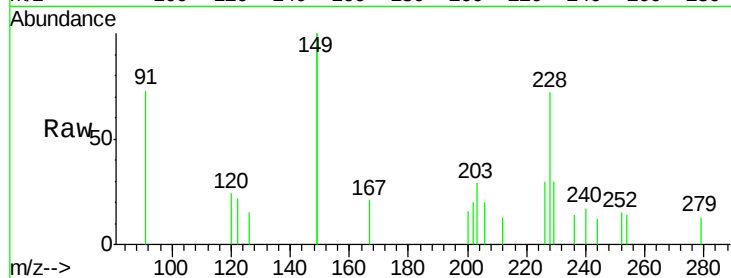
Tot Ion:228 Resp: 830

Ion Ratio Lower Upper

228 100

226 42.2 24.0 36.0#

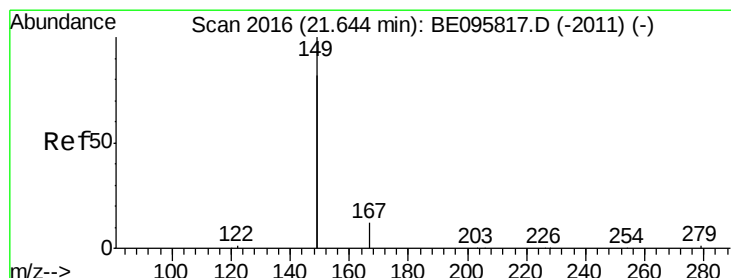
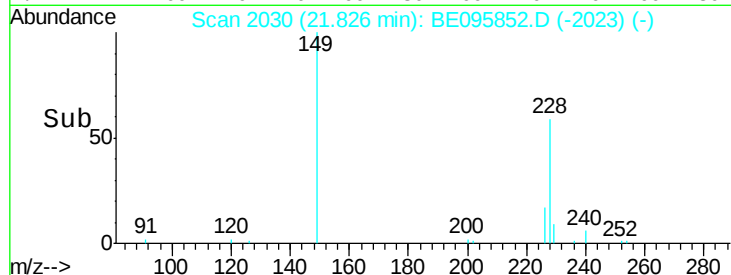
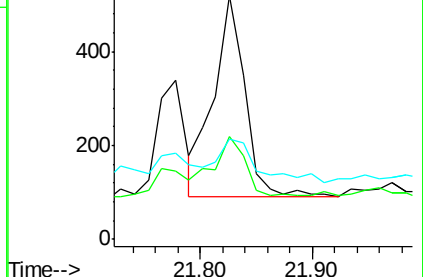
229 41.2 16.0 24.0#



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.063 ng

RT: 21.64 min Scan# 2015

Delta R.T. 0.00 min

Lab File: BE095852.D

Acq: 26 Mar 2018 23:24

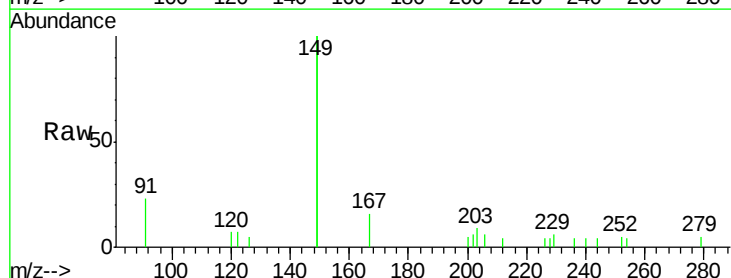
Tgt Ion:149 Resp: 4698

Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.0

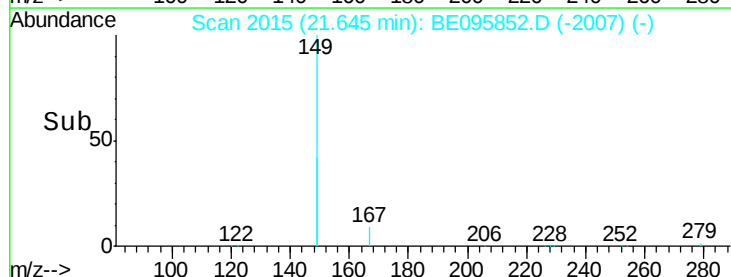
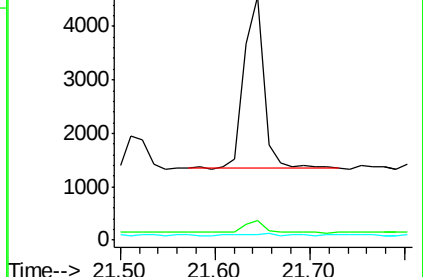
279 1.1 0.7 1.1#

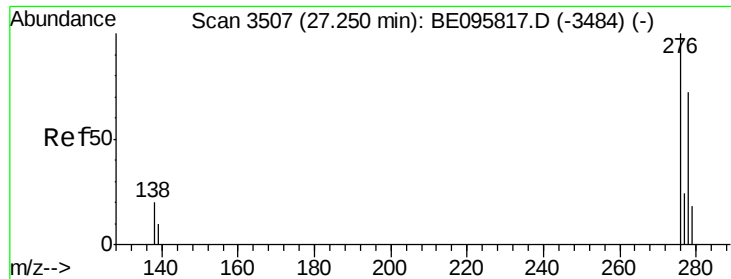


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.022 ng

RT: 27.22 min Scan# 3497

Delta R.T. -0.03 min

Lab File: BE095852.D

Acq: 26 Mar 2018 23:24

Instrument :

BNA_E

ClientSampleId :

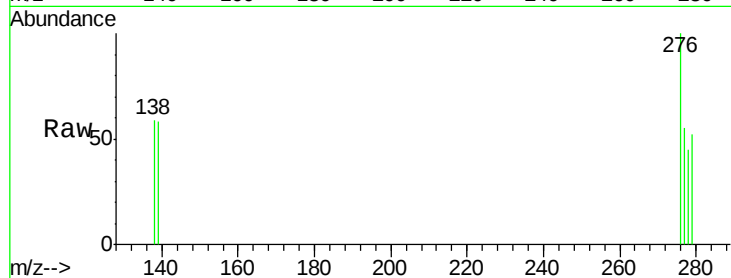
Tot Ion:276 Resp: 534

Ion Ratio Lower Upper

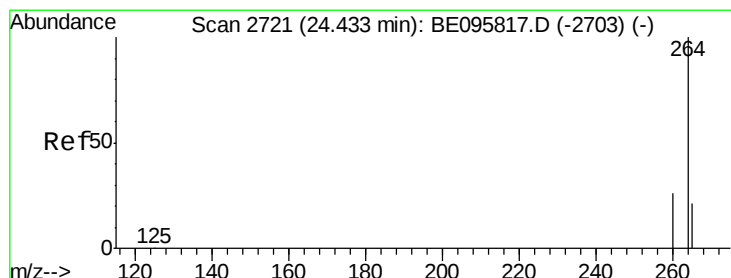
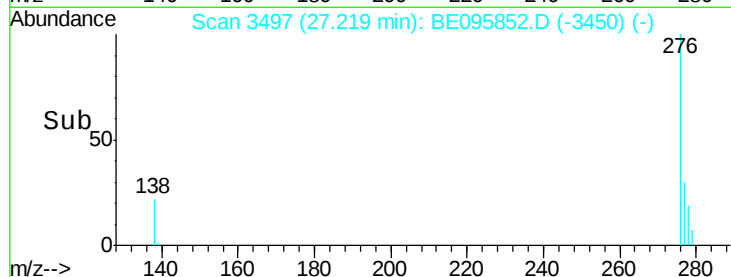
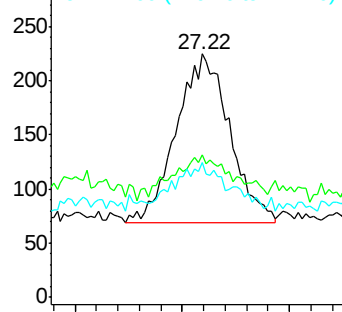
276 100

138 11.2 22.5 33.7#

277 7.5 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

Perylene-d12

Concen: 0.400 ng

RT: 24.42 min Scan# 2715

Delta R.T. -0.02 min

Lab File: BE095852.D

Acq: 26 Mar 2018 23:24

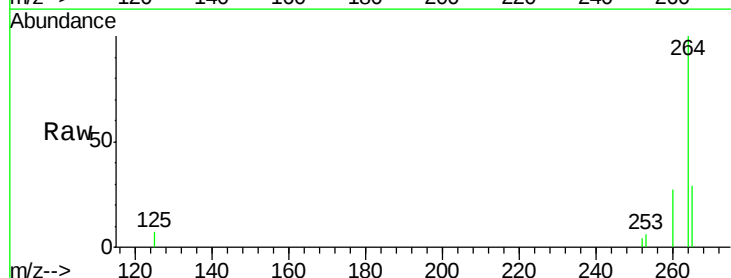
Tgt Ion:264 Resp: 6824

Ion Ratio Lower Upper

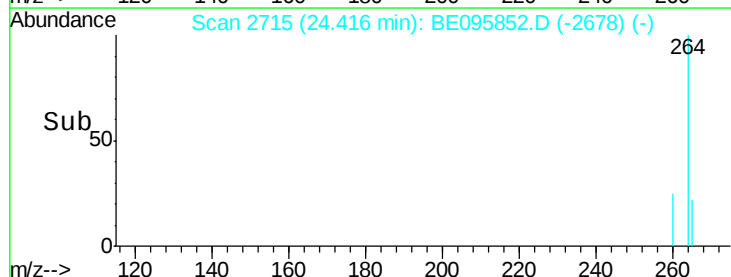
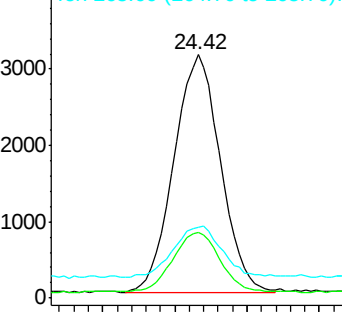
264 100

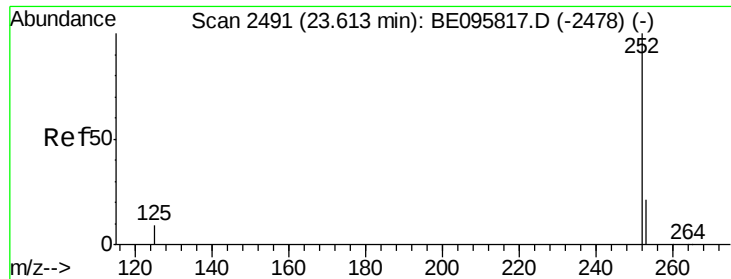
260 26.8 20.5 30.7

265 29.3 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





#35

Benzo(b)fluoranthene

Concen: 0.043 ng

RT: 23.60 min Scan# 2487

Delta R.T. -0.01 min

Lab File: BE095852.D

Acq: 26 Mar 2018 23:24

Instrument :

BNA_E

ClientSampleId :

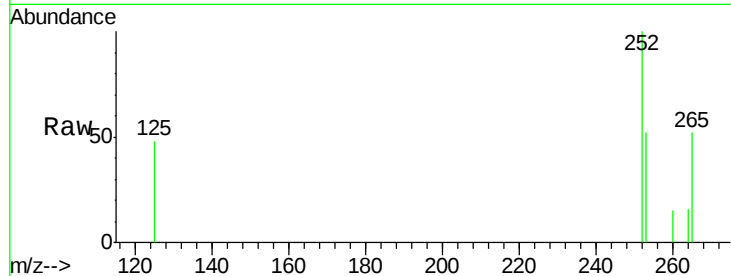
Tot Ion:252 Resp: 962

Ion Ratio Lower Upper

252 100

253 51.7 20.0 30.0#

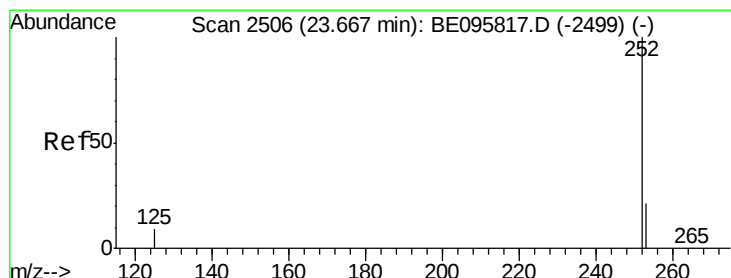
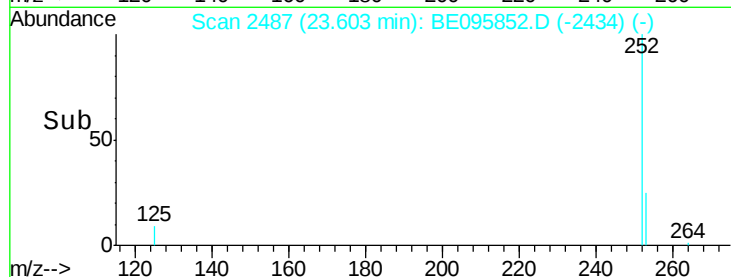
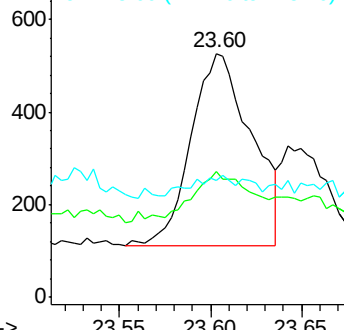
125 47.7 16.0 24.0#



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: 0.043 ng

RT: 23.60 min Scan# 2487

Delta R.T. -0.06 min

Lab File: BE095852.D

Acq: 26 Mar 2018 23:24

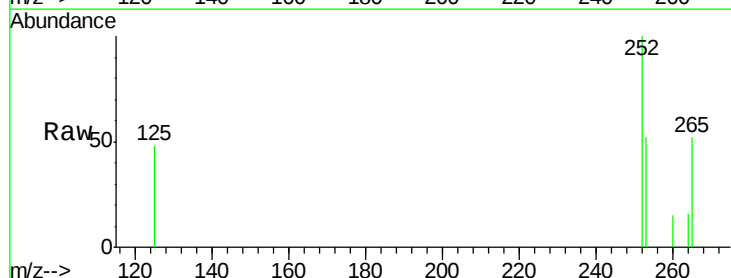
Tgt Ion:252 Resp: 962

Ion Ratio Lower Upper

252 100

253 51.7 16.0 24.0#

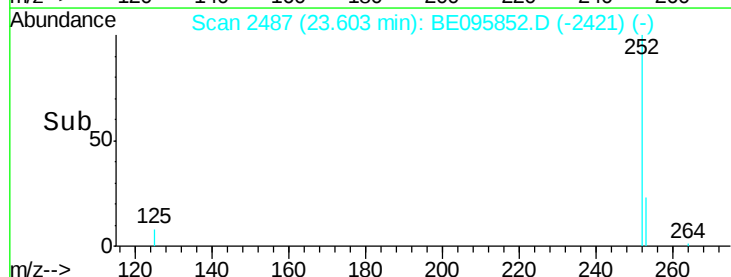
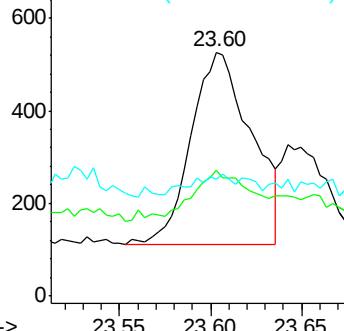
125 47.7 8.0 12.0#

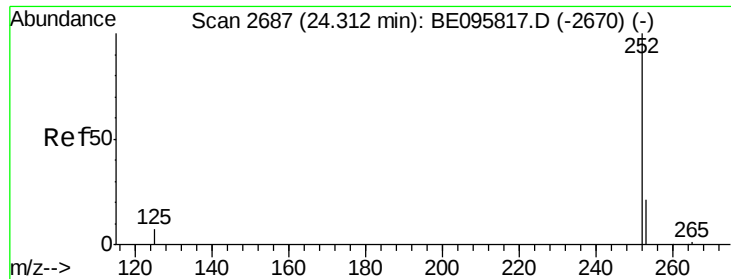


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.022 ng

RT: 24.30 min Scan# 2682

Delta R.T. -0.01 min

Lab File: BE095852.D

Acq: 26 Mar 2018 23:24

Instrument :

BNA_E

ClientSampleId :

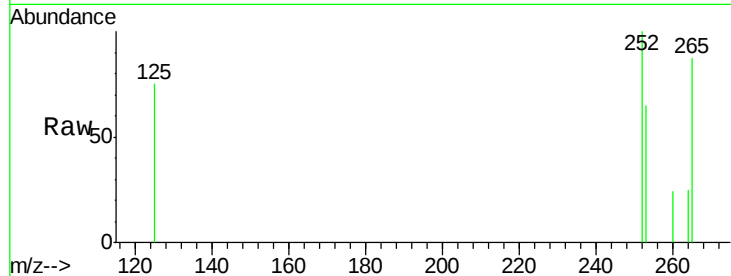
Tot Ion:252 Resp: 469

Ion Ratio Lower Upper

252 100

253 64.7 16.0 24.0#

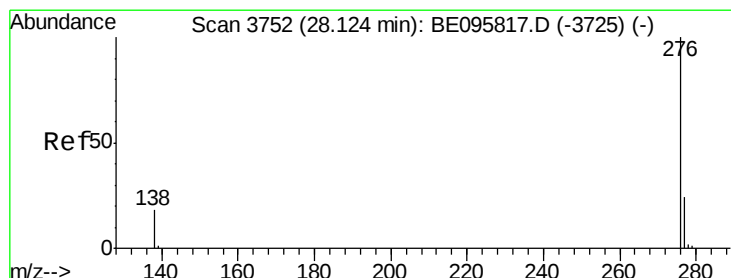
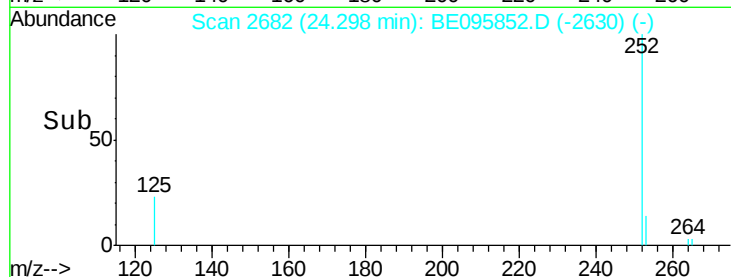
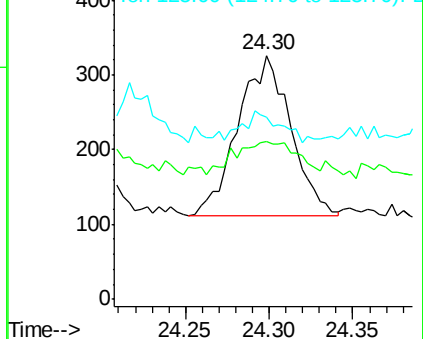
125 74.8 12.0 18.0#



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: 0.026 ng

RT: 28.10 min Scan# 3744

Delta R.T. -0.02 min

Lab File: BE095852.D

Acq: 26 Mar 2018 23:24

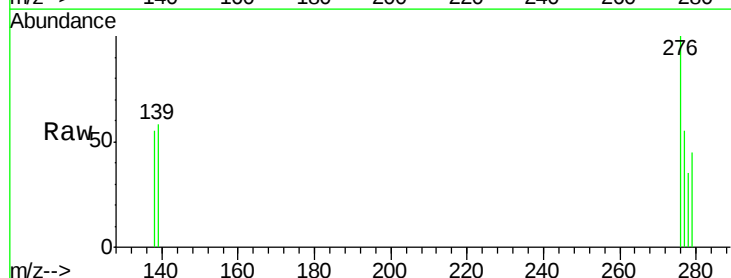
Tgt Ion:276 Resp: 516

Ion Ratio Lower Upper

276 100

277 55.4 16.0 24.0#

138 55.4 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

