

Data Path : Z:\HPCHEM1\BNA E\DATA\BE041118\
 Data File : BE095978.D
 Acq On : 11 Apr 2018 19:33
 Operator : SJ/JU
 Sample : J2215-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Apr 12 04:16:31 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE041118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 11 17:26:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.38	152	1348	0.40	ng	0.00
7) Naphthalene-d8	11.22	136	5423	0.40	ng	0.00
13) Acenaphthene-d10	14.97	164	3218	0.40	ng	0.00
19) Phenanthrene-d10	17.67	188	6647	0.40	ng	-0.01
27) Chrysene-d12	21.78	240	7010	0.40	ng	0.00
34) Perylene-d12	24.39	264	6760	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.89	112	777	0.19	ng	0.00
5) Phenol-d6	7.53	99	680	0.12	ng	0.00
8) Nitrobenzene-d5	9.57	82	3217	0.51	ng	0.00
11) 2-Methylnaphthalene-d10	12.76	152	3713	0.43	ng	0.00
14) 2,4,6-Tribromophenol	16.44	330	748	0.48	ng	0.00
15) 2-Fluorobiphenyl	13.61	172	9454	0.69	ng	0.00
25) Fluoranthene-d10	19.66	212	40461	0.45	ng	0.00
29) Terphenyl-d14	20.23	244	8471	0.55	ng	0.01

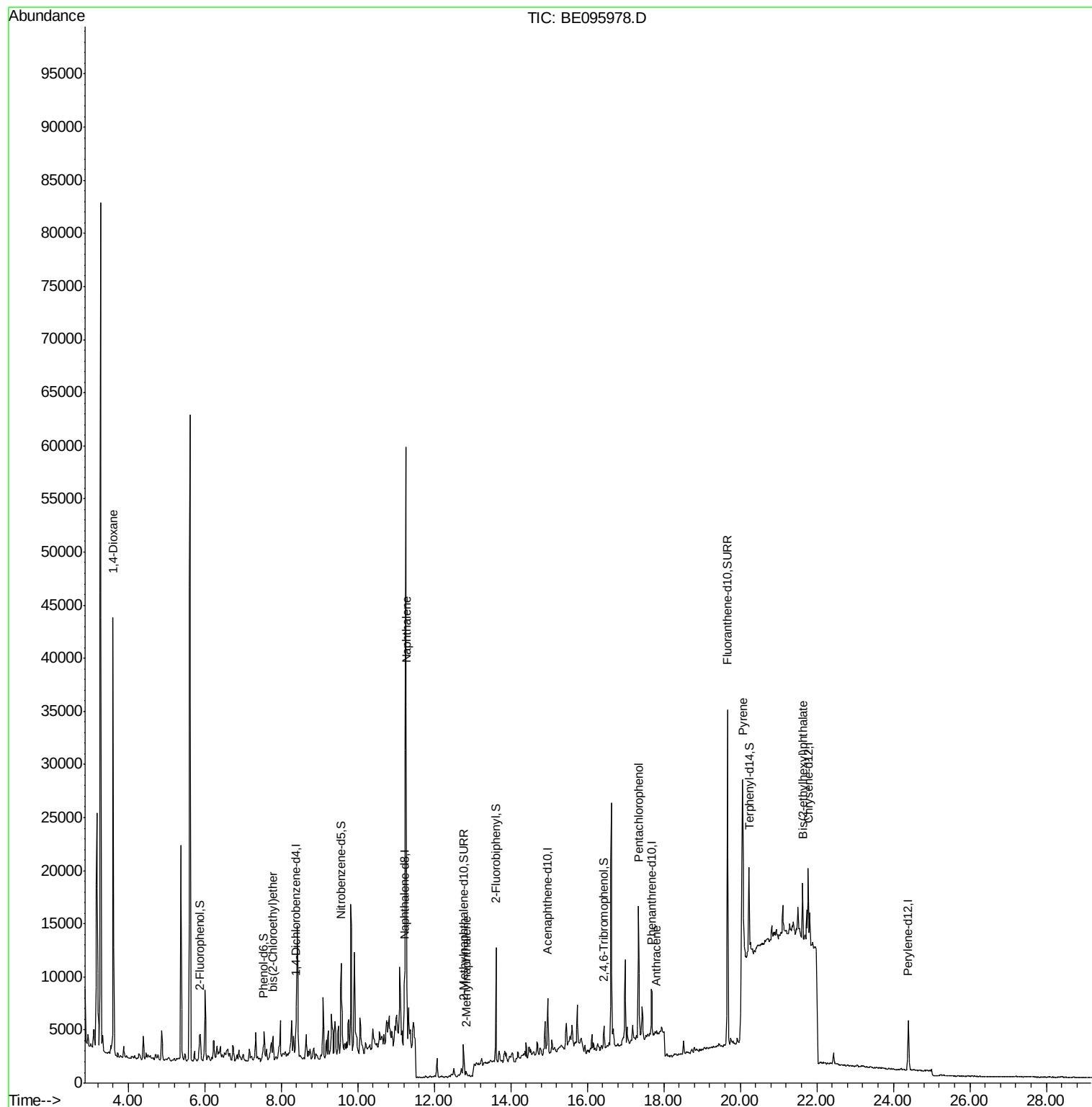
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.62	88	25174	12.090	ng	# 89
6) bis(2-Chloroethyl)ether	7.78	93	507	0.100	ng	# 58
9) Naphthalene	11.27	128	3085	0.054	ng	# 81
12) 2-Methylnaphthalene	12.84	142	347	0.037	ng	# 72
22) Pentachlorophenol	17.33	266	6322	3.620	ng	# 71
24) Anthracene	17.81	178	445	0.025	ng	# 14
28) Pyrene	20.06	202	295	0.021	ng	# 1
32) Bis(2-ethylhexyl)phthalate	21.63	149	6802	0.117	ng	# 94

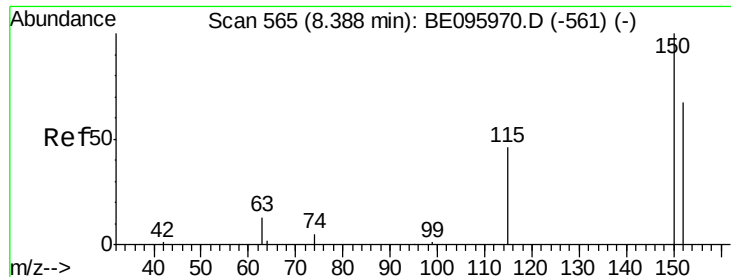
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.38 min Scan# 564

Delta R.T. -0.01 min

Lab File: BE095978.D

Acq: 11 Apr 2018 19:33

Instrument :

BNA_E

ClientSampled :

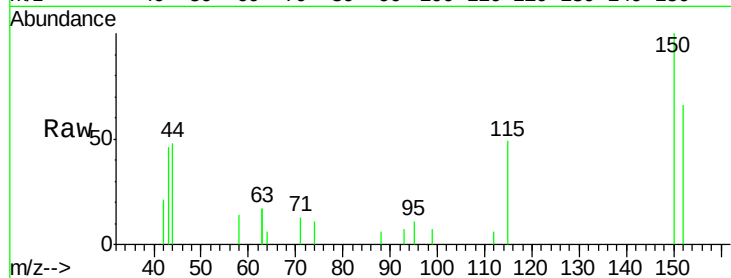
Tot Ion:152 Resp: 1348

Ion Ratio Lower Upper

152 100

150 150.9 117.2 175.8

115 73.3 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

3000

2500

2000

1500

1000

500

0

8.38

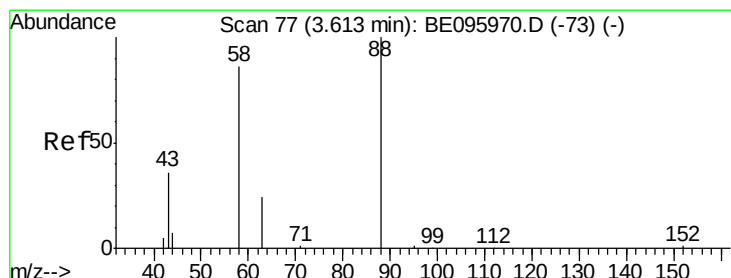
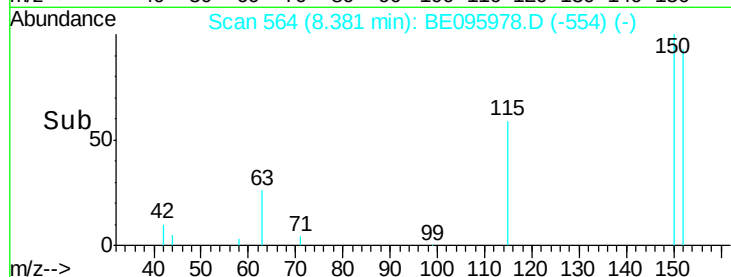
8.30

8.35

8.40

8.45

Time-->



#2

1,4-Dioxane

Concen: 12.090 ng

RT: 3.62 min Scan# 77

Delta R.T. 0.00 min

Lab File: BE095978.D

Acq: 11 Apr 2018 19:33

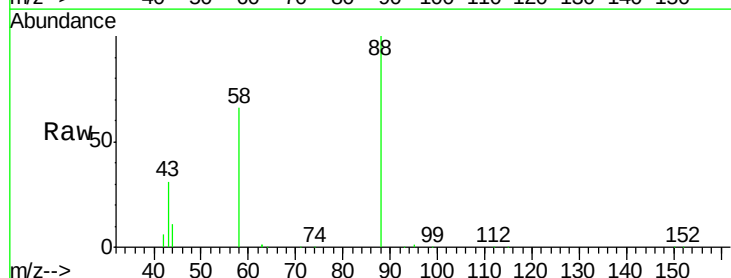
Tgt Ion: 88 Resp: 25174

Ion Ratio Lower Upper

88 100

58 84.8 63.2 94.8

43 39.6 41.2 61.8#



Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

20000

15000

10000

5000

0

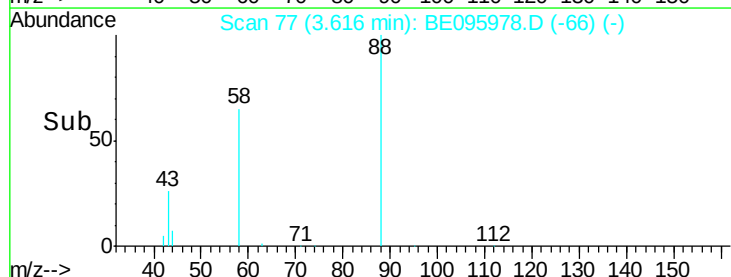
3.62

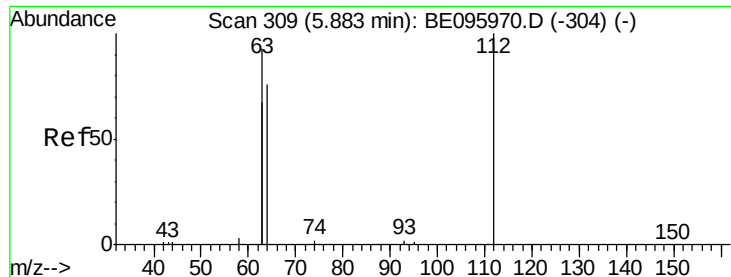
3.50

3.60

3.70

Time-->





#4

2-Fluorophenol

Concen: 0.186 ng

RT: 5.89 min Scan# 309

Delta R.T. 0.00 min

Lab File: BE095978.D

Acq: 11 Apr 2018 19:33

Instrument :

BNA_E

ClientSampled :

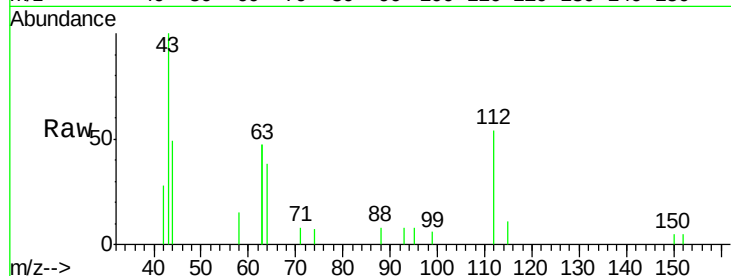
Tot Ion: 112 Resp: 777

Ion Ratio Lower Upper

112 100

64 74.0 60.1 90.1

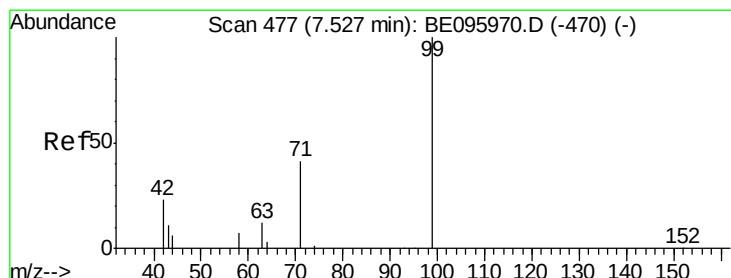
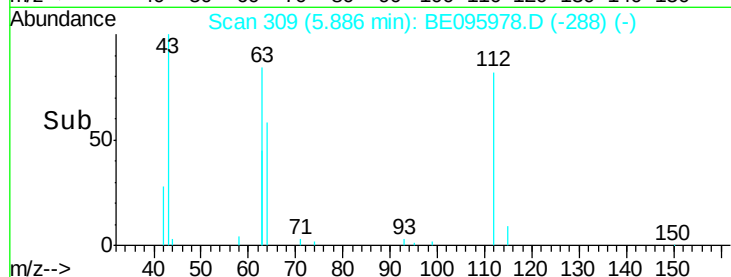
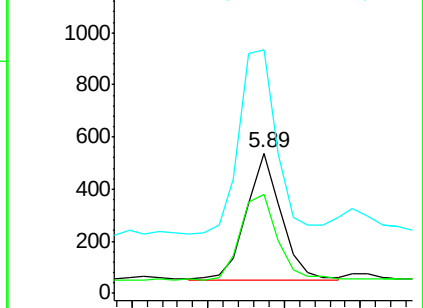
63 156.4 116.8 175.2



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.118 ng

RT: 7.53 min Scan# 477

Delta R.T. 0.00 min

Lab File: BE095978.D

Acq: 11 Apr 2018 19:33

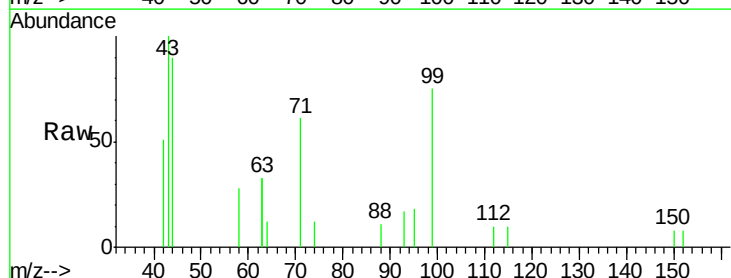
Tgt Ion: 99 Resp: 680

Ion Ratio Lower Upper

99 100

42 88.2 20.2 30.2#

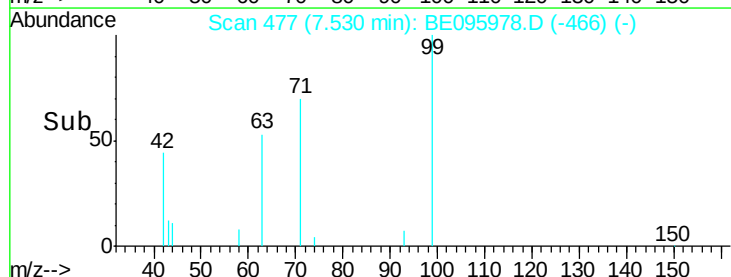
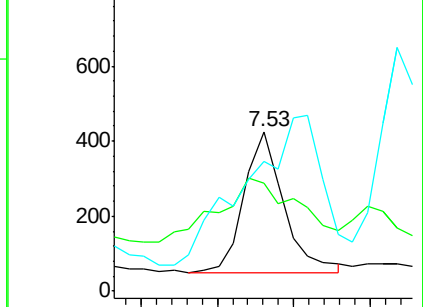
71 0.0 28.4 42.6#

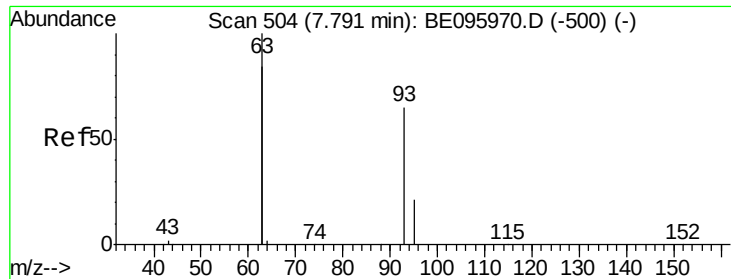


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.100 ng

RT: 7.78 min Scan# 503

Delta R.T. -0.01 min

Lab File: BE095978.D

Acq: 11 Apr 2018 19:33

Instrument :

BNA_E

ClientSampleId :

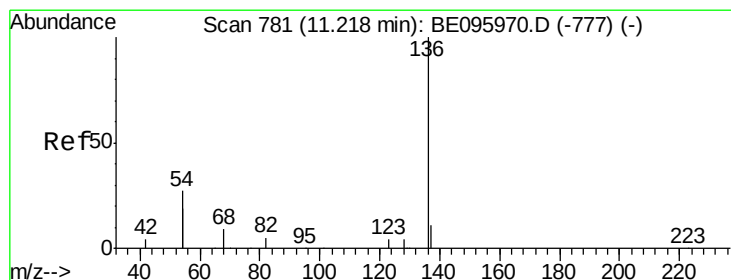
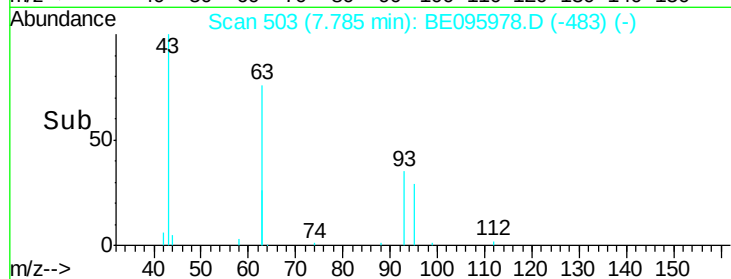
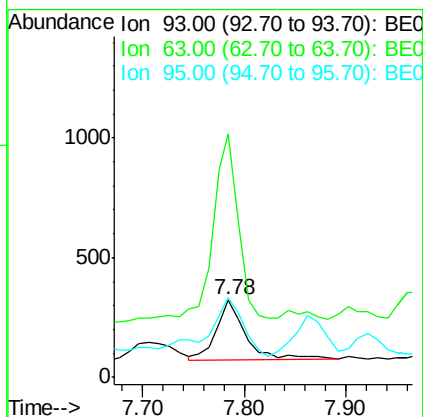
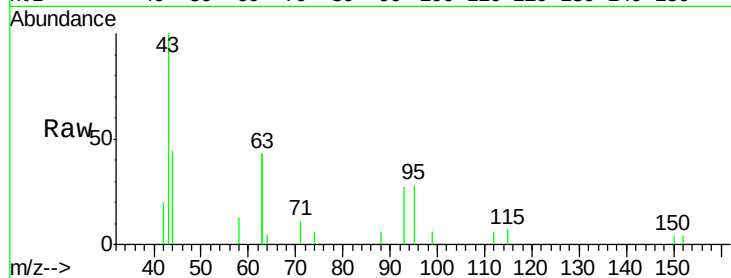
Tot Ion: 93 Resp: 507

Ion Ratio Lower Upper

93 100

63 281.5 275.3 412.9

95 133.1 25.2 37.8#



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.22 min Scan# 781

Delta R.T. -0.00 min

Lab File: BE095978.D

Acq: 11 Apr 2018 19:33

Tgt Ion: 136 Resp: 5423

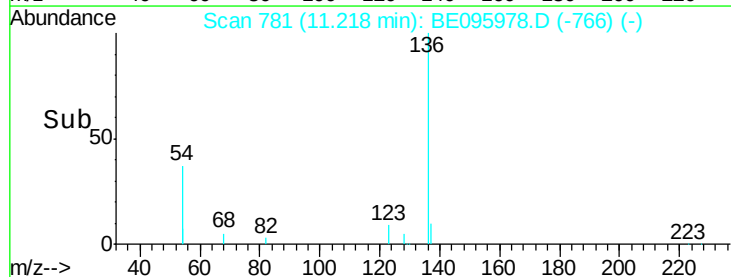
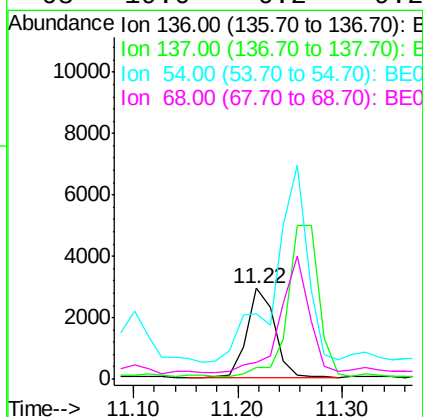
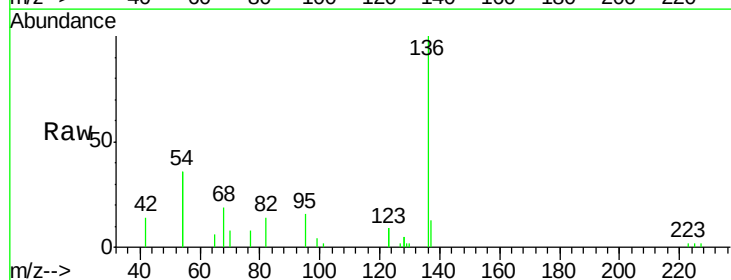
Ion Ratio Lower Upper

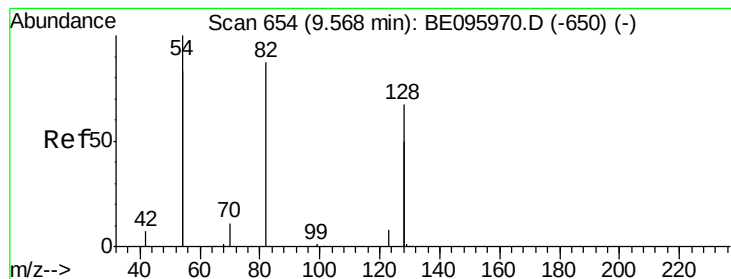
136 100

137 13.3 9.5 14.3

54 72.3 29.1 43.7#

68 19.0 6.2 9.2#





#8

Nitrobenzene-d5

Concen: 0.506 ng

RT: 9.57 min Scan# 654

Delta R.T. -0.00 min

Lab File: BE095978.D

Acq: 11 Apr 2018 19:33

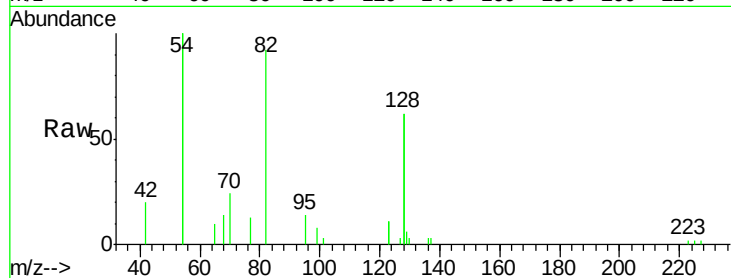
Instrument :

BNA_E

ClientSampleId :

Tot Ion: 82 Resp: 3217

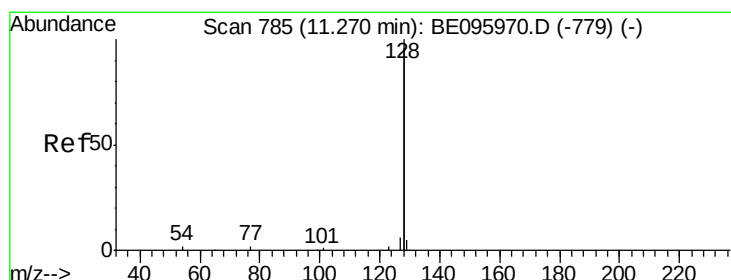
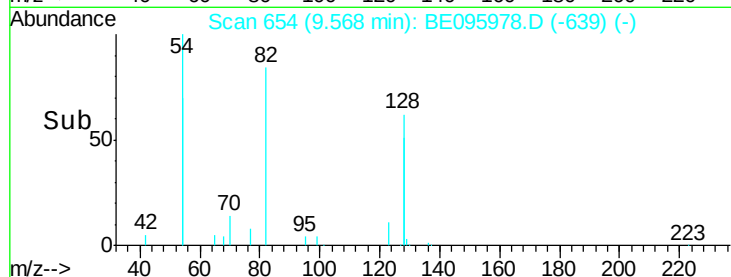
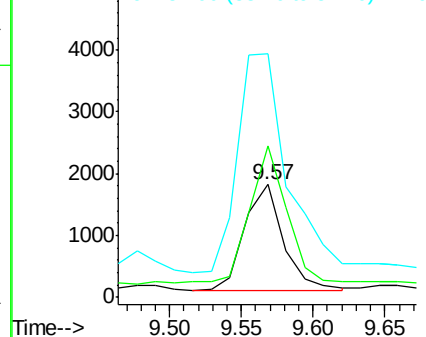
Ion	Ratio	Lower	Upper
82	100		
128	135.0	150.0	225.0#
54	216.4	154.2	231.4



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



#9

Naphthalene

Concen: 0.054 ng

RT: 11.27 min Scan# 785

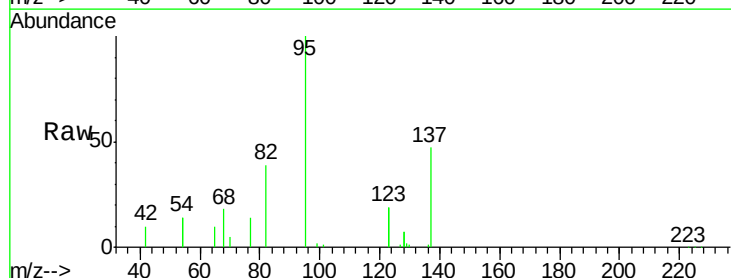
Delta R.T. -0.00 min

Lab File: BE095978.D

Acq: 11 Apr 2018 19:33

Tgt Ion: 128 Resp: 3085

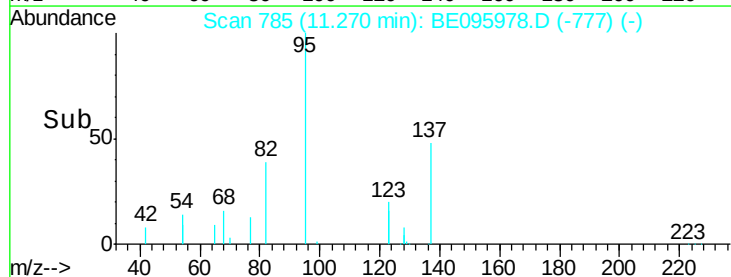
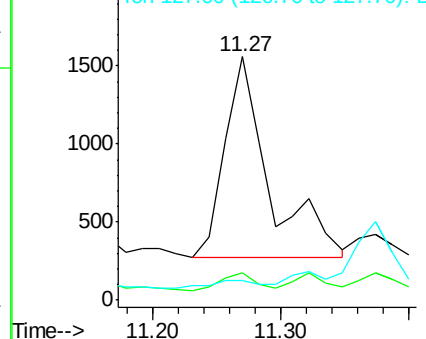
Ion	Ratio	Lower	Upper
128	100		
129	11.3	2.6	3.8#
127	7.9	2.8	4.2#

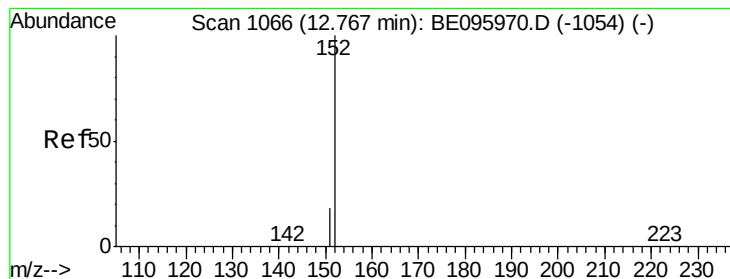


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.432 ng

RT: 12.76 min Scan# 1065

Delta R.T. -0.00 min

Lab File: BE095978.D

Acq: 11 Apr 2018 19:33

Instrument :

BNA_E

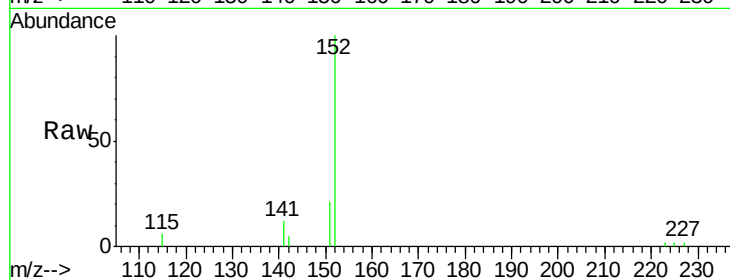
ClientSampled :

Tot Ion:152 Resp: 3713

Ion Ratio Lower Upper

152 100

151 22.4 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

2500

2000

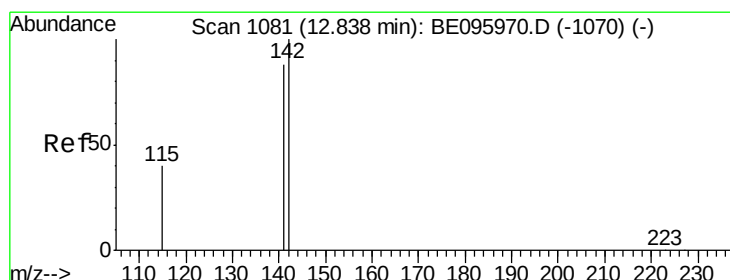
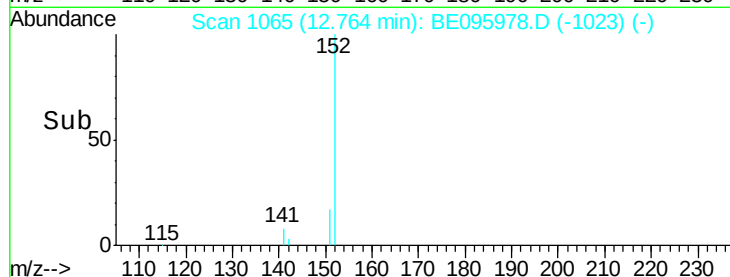
1500

1000

500

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.037 ng

RT: 12.84 min Scan# 1081

Delta R.T. 0.00 min

Lab File: BE095978.D

Acq: 11 Apr 2018 19:33

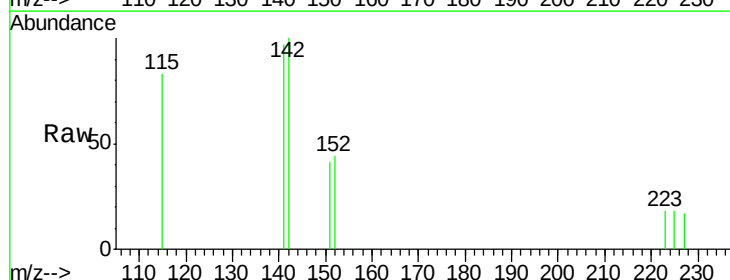
Tgt Ion:142 Resp: 347

Ion Ratio Lower Upper

142 100

141 96.6 70.4 105.6

115 83.0 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

400

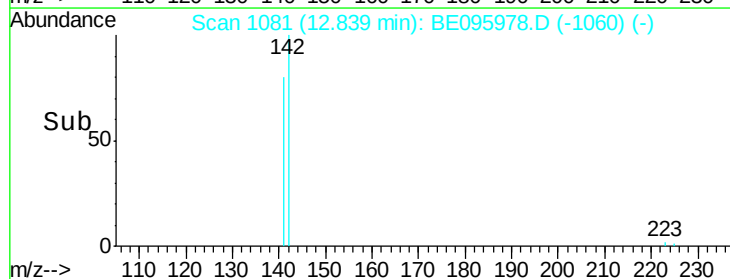
300

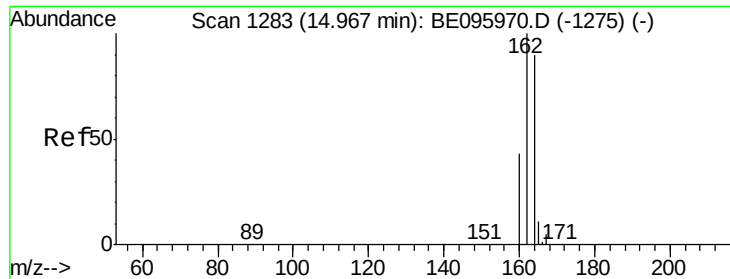
200

100

0

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.97 min Scan# 1283

Delta R.T. 0.00 min

Lab File: BE095978.D

Acq: 11 Apr 2018 19:33

Instrument :

BNA_E

ClientSampleId :

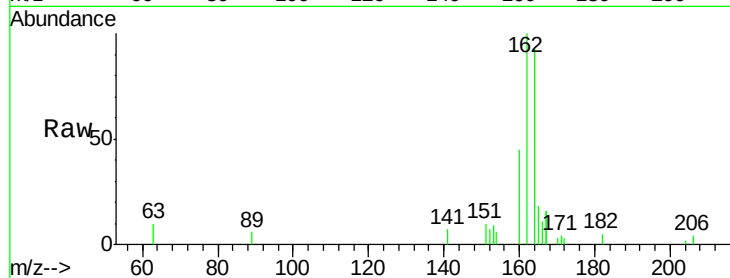
Tot Ion:164 Resp: 3218

Ion Ratio Lower Upper

164 100

162 107.6 83.1 124.7

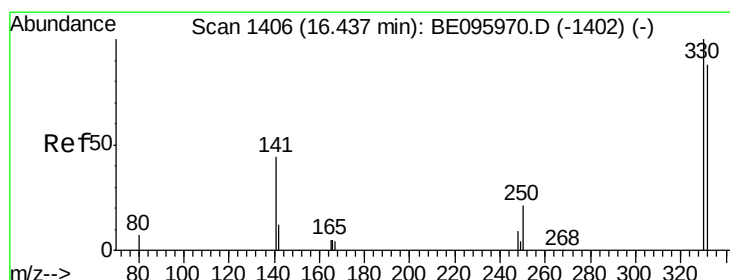
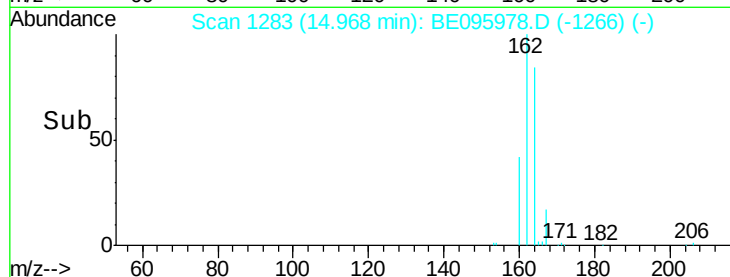
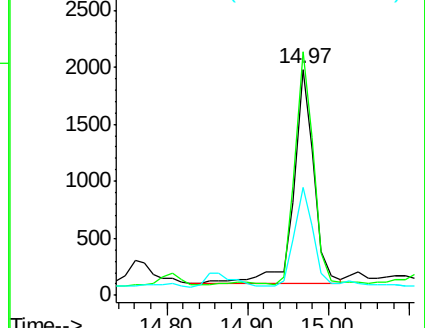
160 47.9 37.1 55.7



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: 0.481 ng

RT: 16.44 min Scan# 1406

Delta R.T. 0.00 min

Lab File: BE095978.D

Acq: 11 Apr 2018 19:33

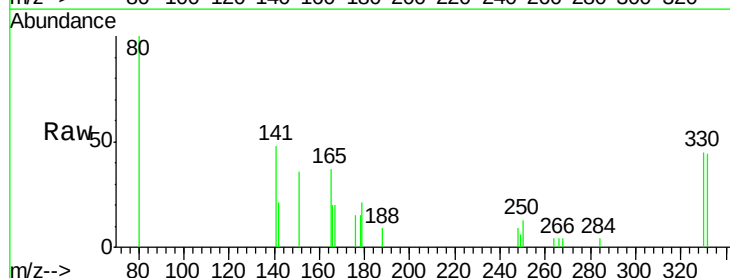
Tgt Ion:330 Resp: 748

Ion Ratio Lower Upper

330 100

332 99.6 152.7 229.1#

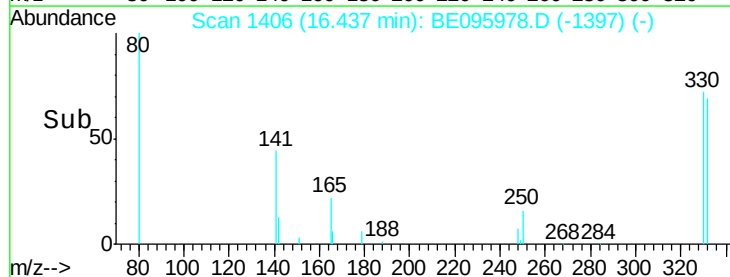
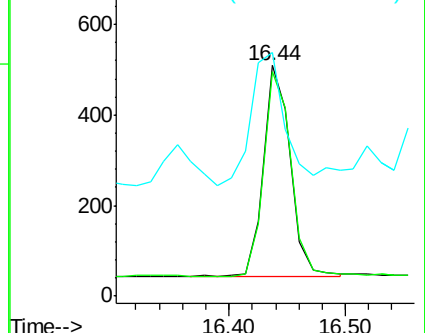
141 80.6 33.7 50.5#

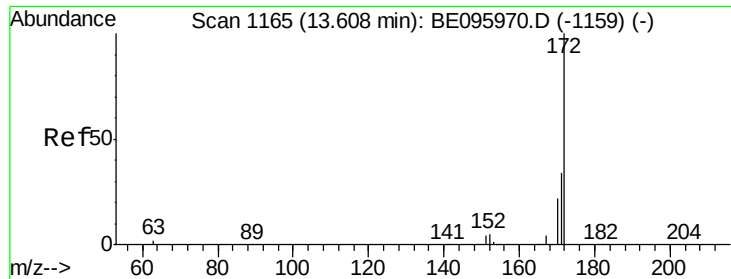


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

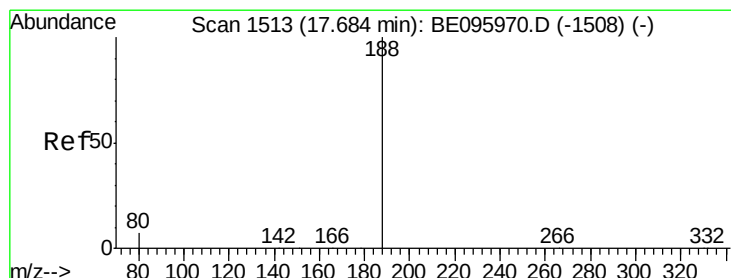
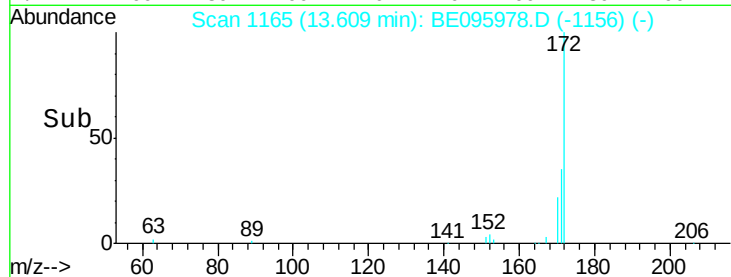
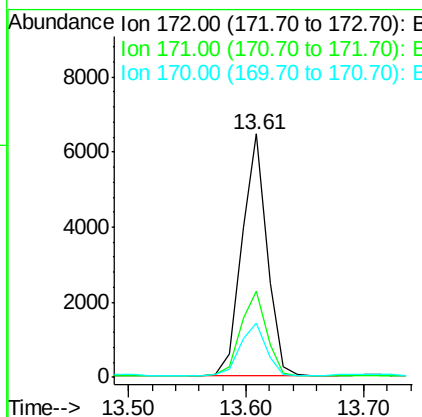
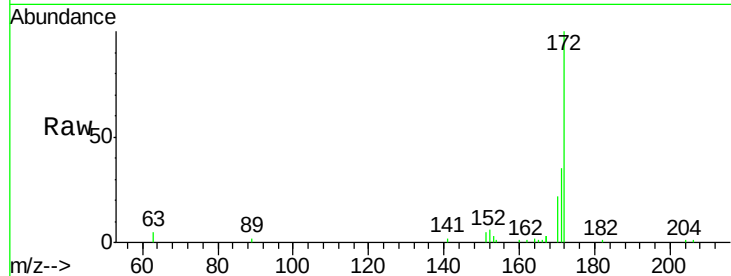




#15
2-Fluorobiphenyl
Concen: 0.687 ng
RT: 13.61 min Scan# 1165
Delta R.T. 0.00 min
Lab File: BE095978.D
Acq: 11 Apr 2018 19:33

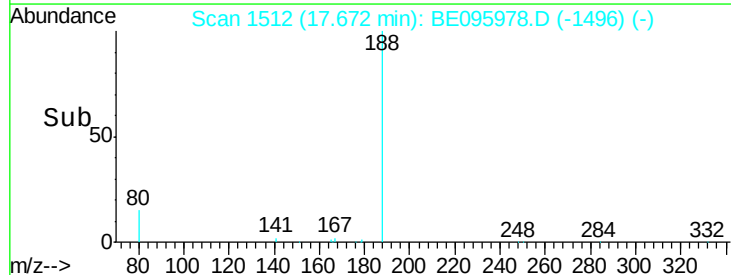
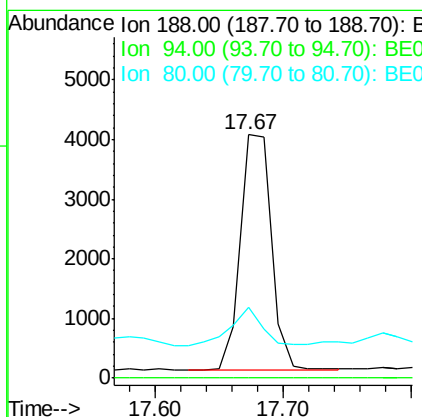
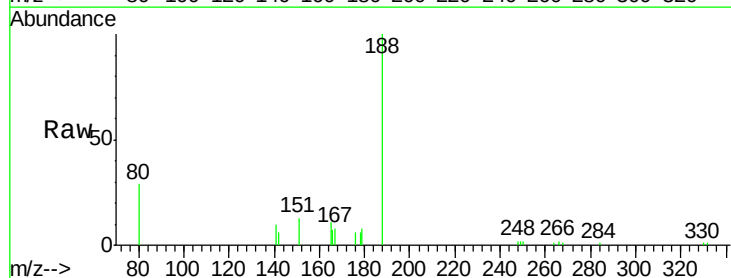
Instrument :
BNA_E
ClientSampleId :

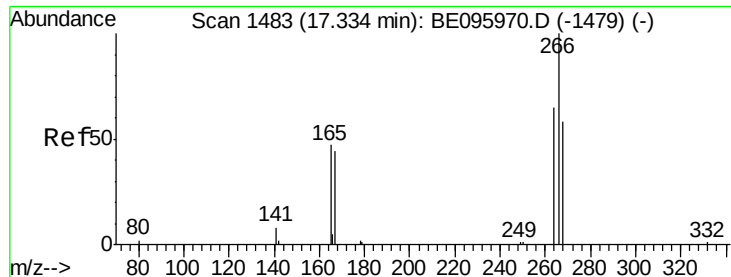
Tot Ion:172 Resp: 9454
Ion Ratio Lower Upper
172 100
171 35.5 29.9 44.9
170 22.4 21.8 32.8



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.67 min Scan# 1512
Delta R.T. -0.01 min
Lab File: BE095978.D
Acq: 11 Apr 2018 19:33

Tgt Ion:188 Resp: 6647
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 29.2 3.6 5.4#





#22

Pentachlorophenol

Concen: 3.620 ng

RT: 17.33 min Scan# 1483

Delta R.T. 0.00 min

Lab File: BE095978.D

Acq: 11 Apr 2018 19:33

Instrument :

BNA_E

ClientSampleId :

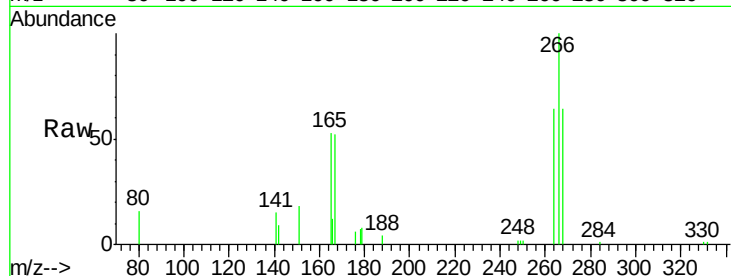
Tot Ion:266 Resp: 6322

Ion Ratio Lower Upper

266 100

264 63.6 72.5 108.7#

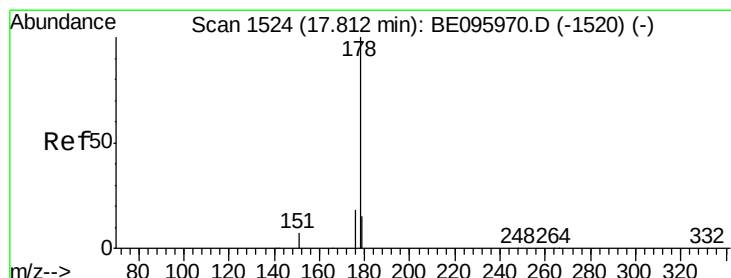
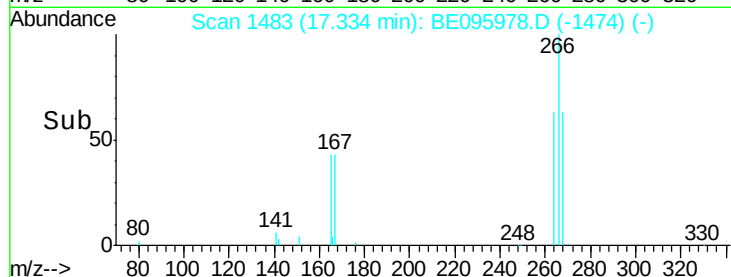
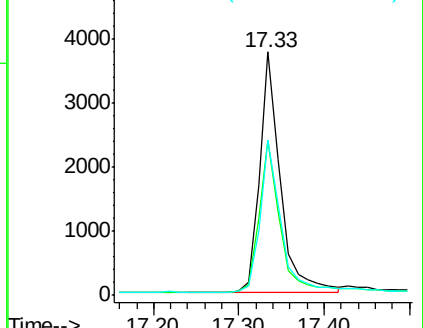
268 63.7 73.8 110.6#



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



#24

Anthracene

Concen: 0.025 ng

RT: 17.81 min Scan# 1524

Delta R.T. 0.00 min

Lab File: BE095978.D

Acq: 11 Apr 2018 19:33

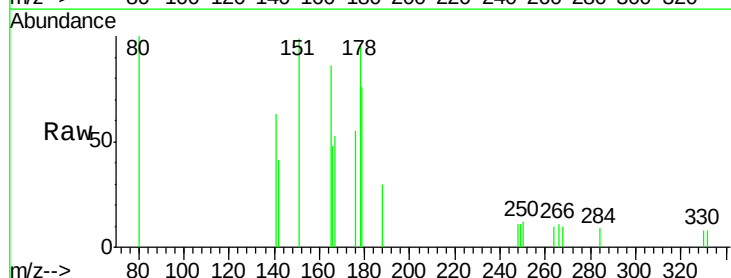
Tgt Ion:178 Resp: 445

Ion Ratio Lower Upper

178 100

176 36.2 12.8 19.2#

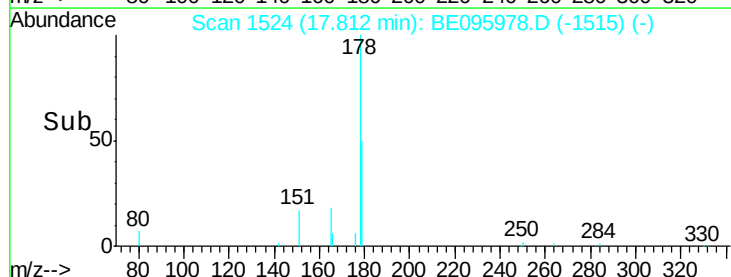
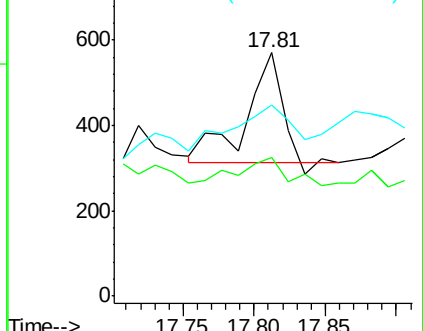
179 69.2 13.0 19.6#

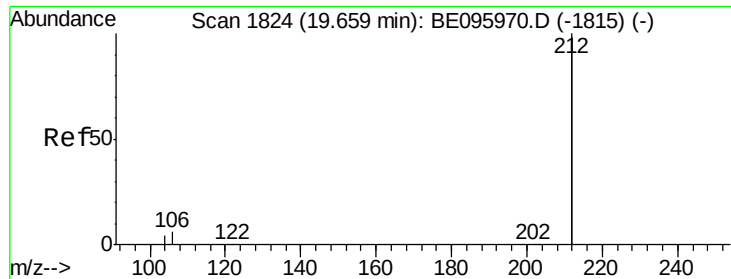


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.448 ng

RT: 19.66 min Scan# 1824

Delta R.T. 0.00 min

Lab File: BE095978.D

Acq: 11 Apr 2018 19:33

Instrument :

BNA_E

ClientSampleId :

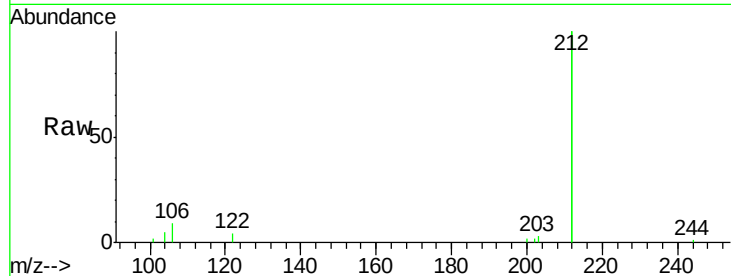
Tot Ion:212 Resp: 40461

Ion Ratio Lower Upper

212 100

106 3.5 2.8 4.2

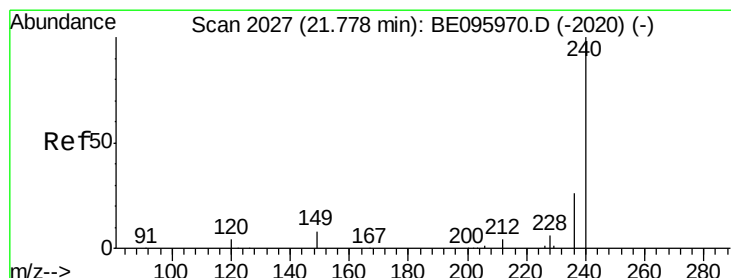
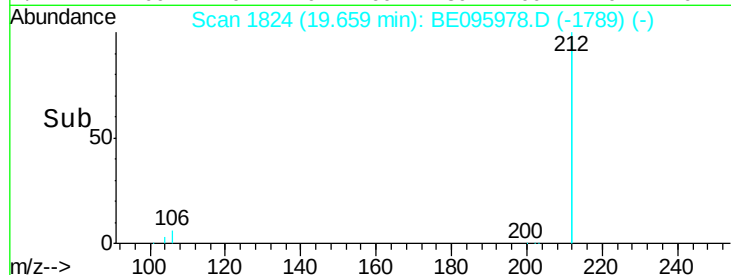
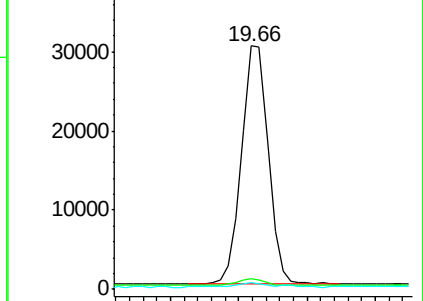
104 2.0 1.6 2.4



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



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.78 min Scan# 2027

Delta R.T. -0.00 min

Lab File: BE095978.D

Acq: 11 Apr 2018 19:33

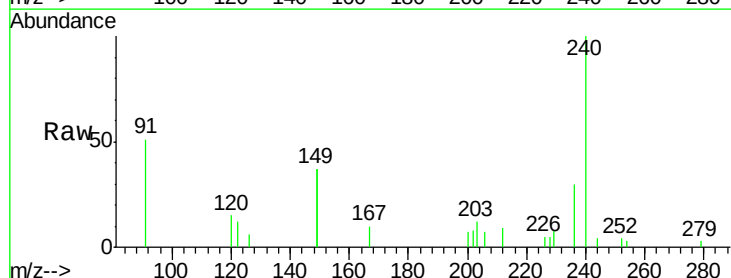
Tgt Ion:240 Resp: 7010

Ion Ratio Lower Upper

240 100

120 15.1 5.5 8.3#

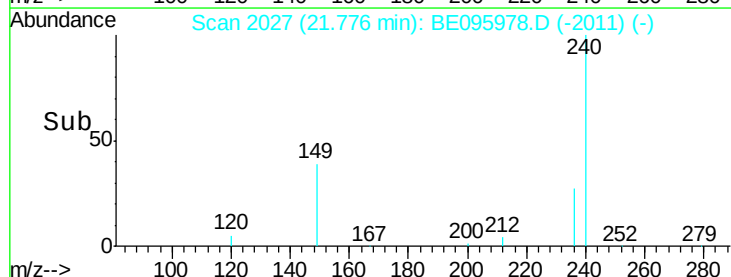
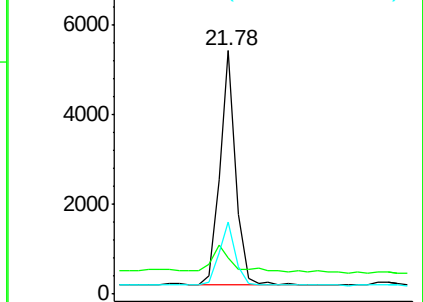
236 29.6 20.7 31.1

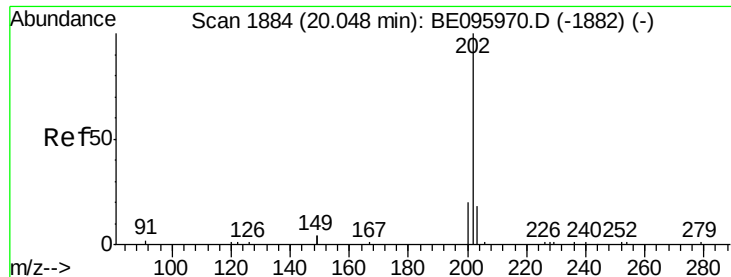


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#28

Pvrene

Concen: 0.021 ng

RT: 20.06 min Scan# 1885

Delta R.T. 0.01 min

Lab File: BE095978.D

Acq: 11 Apr 2018 19:33

Instrument :

BNA_E

ClientSampleId :

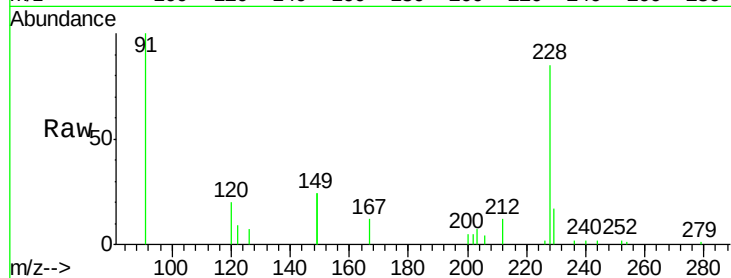
Tot Ion:202 Resp: 295

Ion Ratio Lower Upper

202 100

200 139.0 16.6 25.0#

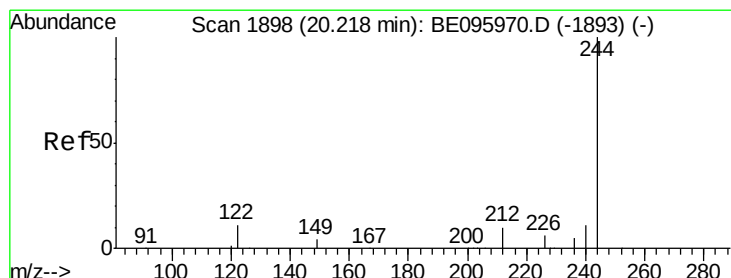
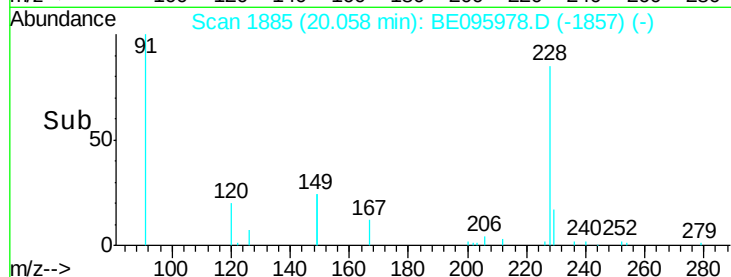
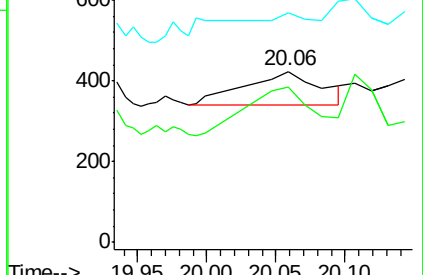
203 0.0 13.8 20.8#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#29

Terphenyl-d14

Concen: 0.547 ng

RT: 20.23 min Scan# 1899

Delta R.T. 0.01 min

Lab File: BE095978.D

Acq: 11 Apr 2018 19:33

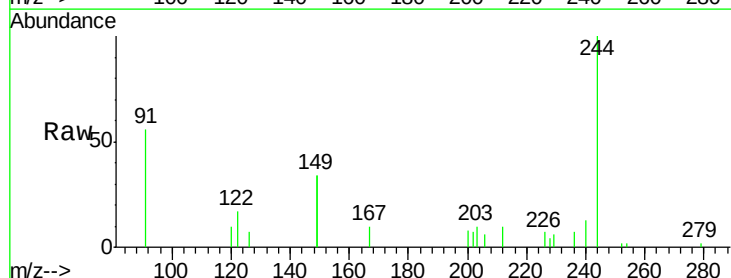
Tgt Ion:244 Resp: 8471

Ion Ratio Lower Upper

244 100

212 9.8 25.4 38.0#

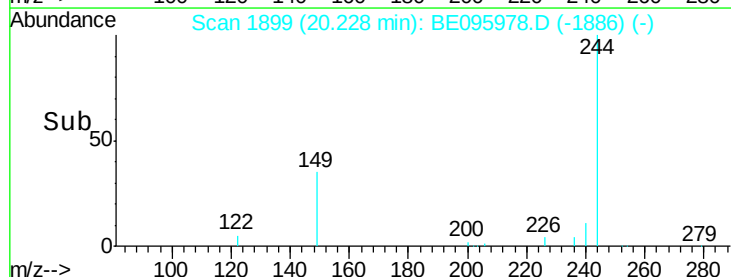
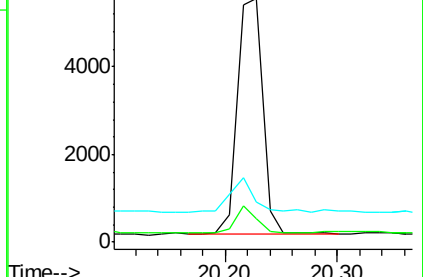
122 16.6 8.1 12.1#

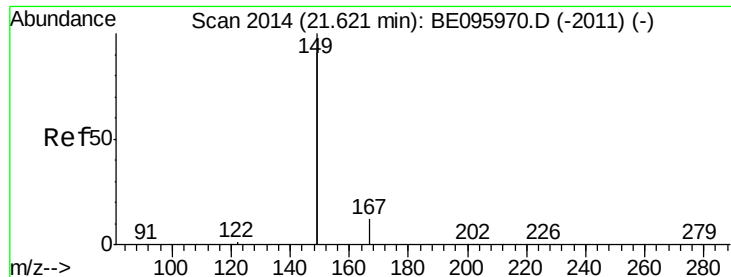


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

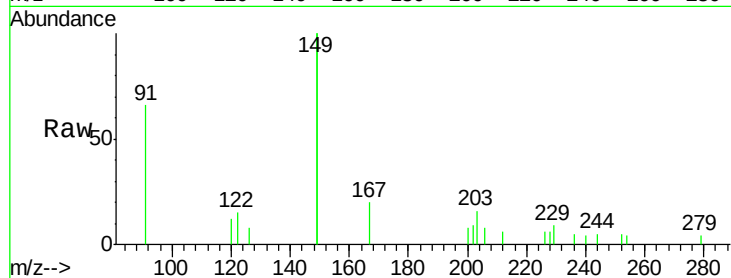




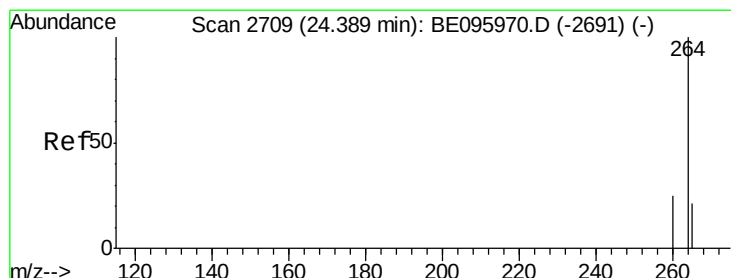
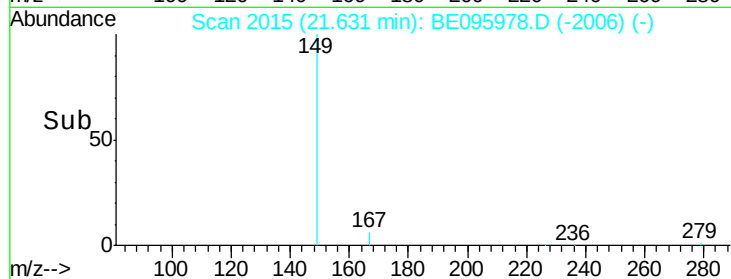
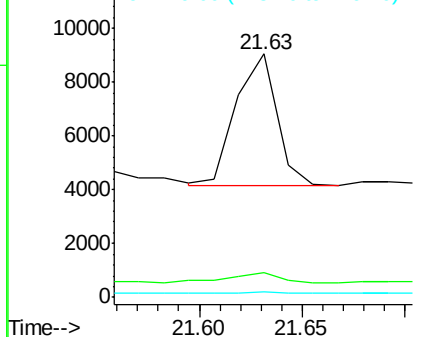
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.117 ng
 RT: 21.63 min Scan# 2015
 Delta R.T. 0.01 min
 Lab File: BE095978.D
 Acq: 11 Apr 2018 19:33

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:149 Resp: 6802
 Ion Ratio Lower Upper
 149 100
 167 9.0 5.4 8.0#
 279 1.3 0.7 1.1#

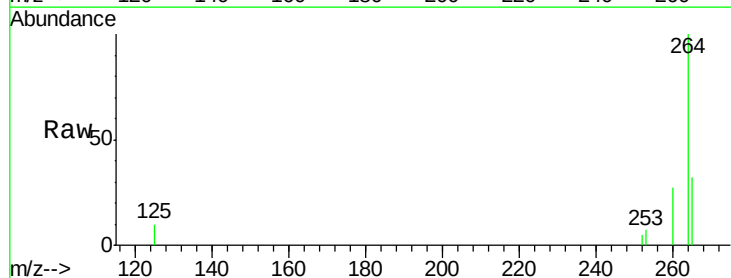


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.39 min Scan# 2710
 Delta R.T. 0.00 min
 Lab File: BE095978.D
 Acq: 11 Apr 2018 19:33

Tgt Ion:264 Resp: 6760
 Ion Ratio Lower Upper
 264 100
 260 27.1 20.5 30.7
 265 31.5 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

