

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072418\
 Data File : BE097079.D
 Acq On : 24 Jul 2018 19:42
 Operator : SJ/JU
 Sample : J4073-10
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 25 00:38:15 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE072418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 24 13:24:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1329	0.40	ng	0.00
7) Naphthalene-d8	10.14	136	6114	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	3635	0.40	ng	0.00
19) Phenanthrene-d10	16.76	188	10763	0.40	ng	0.00
27) Chrysene-d12	20.97	240	10784	0.40	ng	-0.01
34) Perylene-d12	23.21	264	10348	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.05	112	776	0.21	ng	0.00
5) Phenol-d6	6.59	99	657	0.12	ng	0.00
8) Nitrobenzene-d5	8.53	82	2507	0.47	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	4014	0.44	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	585	0.49	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	6888	0.55	ng	0.00
25) Fluoranthene-d10	18.81	212	59859	0.56	ng	0.00
29) Terphenyl-d14	19.42	244	12871	0.62	ng	0.00

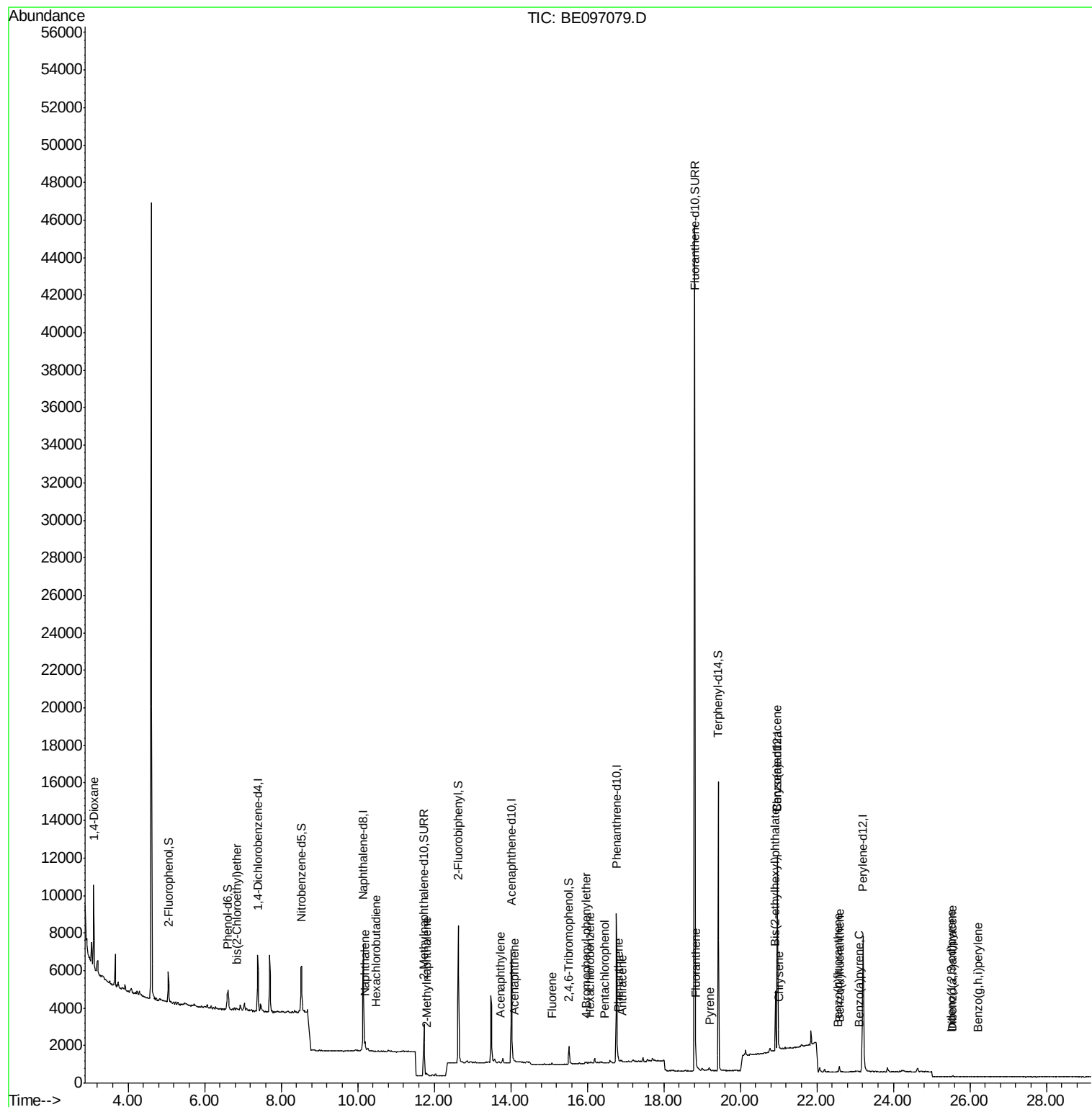
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.09	88	2230	1.056	ng	90
6) bis(2-Chloroethyl)ether	6.84	93	23	0.005	ng	# 69
9) Naphthalene	10.20	128	878	0.016	ng	# 79
10) Hexachlorobutadiene	10.48	225	5	0.002	ng	# 25
12) 2-Methylnaphthalene	11.81	142	97	0.010	ng	# 74
16) Acenaphthylene	13.74	152	10	0.001	ng	# 1
17) Acenaphthene	14.08	154	30	0.003	ng	# 27
18) Fluorene	15.07	166	73	0.006	ng	# 81
20) 4-Bromophenyl-phenylether	15.97	248	19	0.004	ng	# 46
21) Hexachlorobenzene	16.08	284	20	0.004	ng	# 60
22) Pentachlorophenol	16.46	266	8	0.041	ng	95
23) Phenanthrene	16.81	178	268	0.010	ng	# 90
24) Anthracene	16.90	178	34	0.001	ng	# 1
26) Fluoranthene	18.84	202	79	0.003	ng	# 88
28) Pyrene	19.21	202	84	0.003	ng	95
30) Benzo(a)anthracene	20.97	228	62	0.002	ng	# 12
31) Chrysene	21.02	228	46	0.002	ng	# 3
32) Bis(2-ethylhexyl)phthalate	20.92	149	3535	0.121	ng	# 99
33) Indeno(1,2,3-cd)pyrene	25.51	276	21	0.001	ng	# 62
35) Benzo(b)fluoranthene	22.54	252	60	0.002	ng	# 1
36) Benzo(k)fluoranthene	22.58	252	57	0.002	ng	# 1
37) Benzo(a)pyrene	23.11	252	9	0.000	ng	# 1
38) Dibenzo(a,h)anthracene	25.53	278	4	0.000	ng	# 1
39) Benzo(g,h,i)perylene	26.21	276	4	0.000	ng	# 1

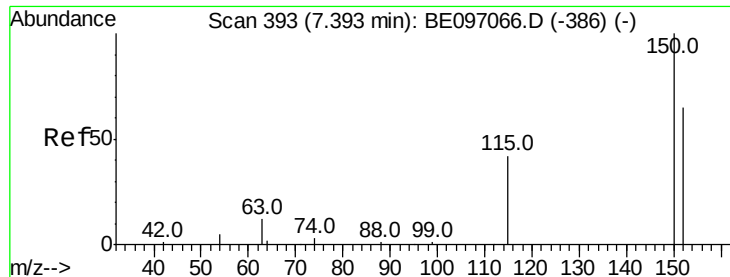
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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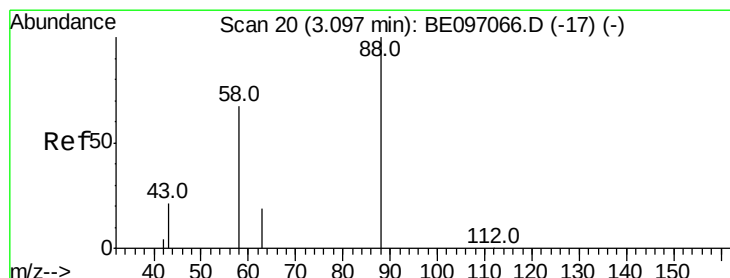
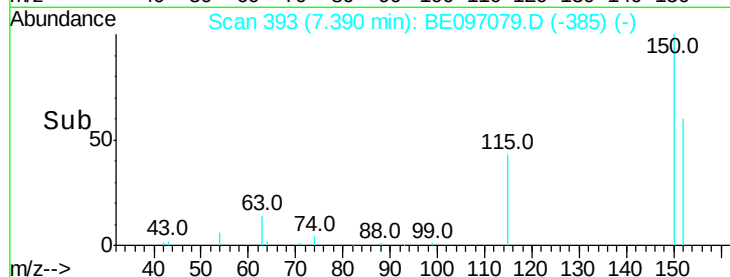
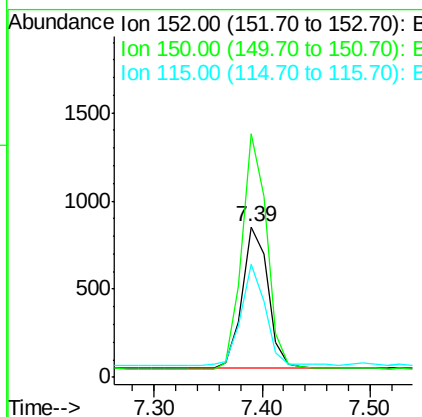
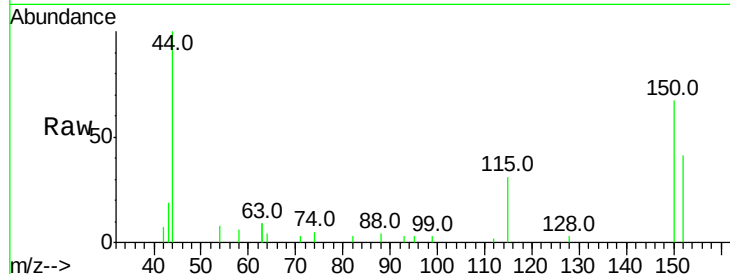


#1

1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.39 min Scan# 393
 Delta R.T. -0.00 min
 Lab File: BE097079.D
 Acq: 24 Jul 2018 19:42

Instrument :
 BNA_E
 ClientSampleId :

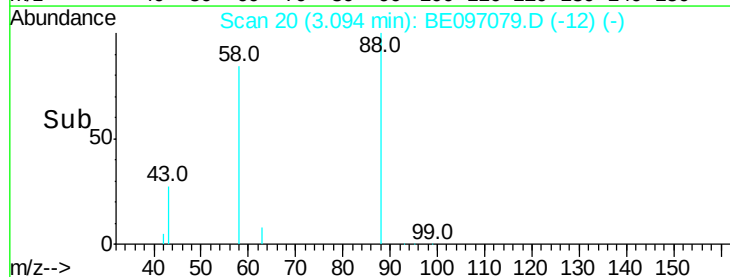
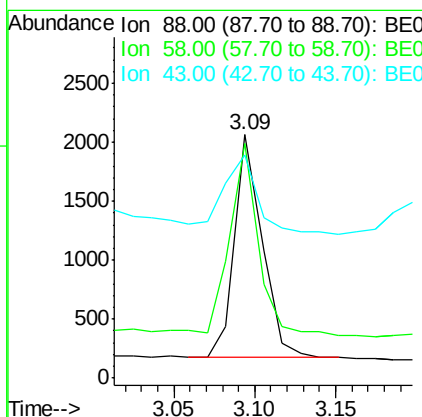
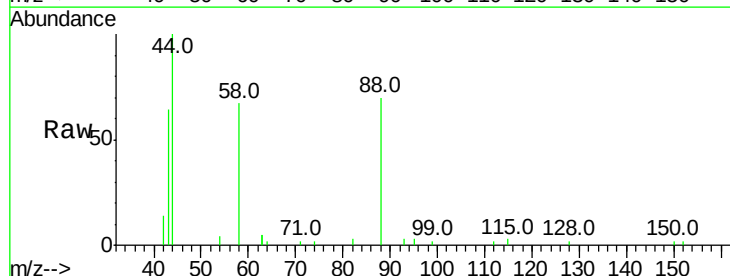
Tot Ion:152 Resp: 1329
 Ion Ratio Lower Upper
 152 100
 150 162.1 117.2 175.8
 115 75.0 57.0 85.6

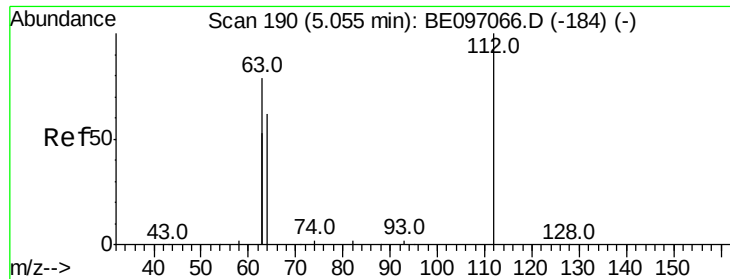


#2

1,4-Dioxane
 Concen: 1.056 ng
 RT: 3.09 min Scan# 20
 Delta R.T. -0.00 min
 Lab File: BE097079.D
 Acq: 24 Jul 2018 19:42

Tgt Ion: 88 Resp: 2230
 Ion Ratio Lower Upper
 88 100
 58 89.6 63.2 94.8
 43 46.2 41.2 61.8





#4

2-Fluorophenol

Concen: 0.208 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE097079.D

Acq: 24 Jul 2018 19:42

Instrument :

BNA_E

ClientSampleId :

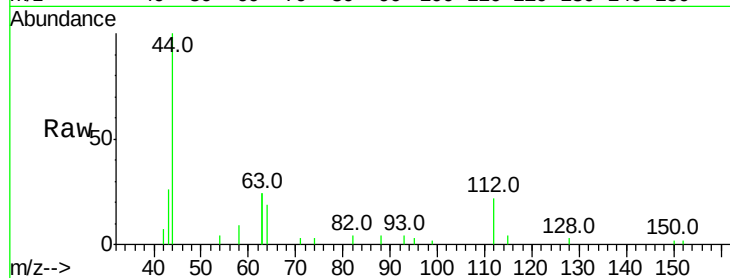
Tot Ion:112 Resp: 776

Ion Ratio Lower Upper

112 100

64 71.5 60.1 90.1

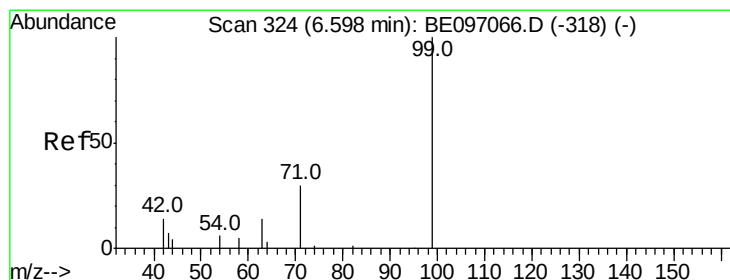
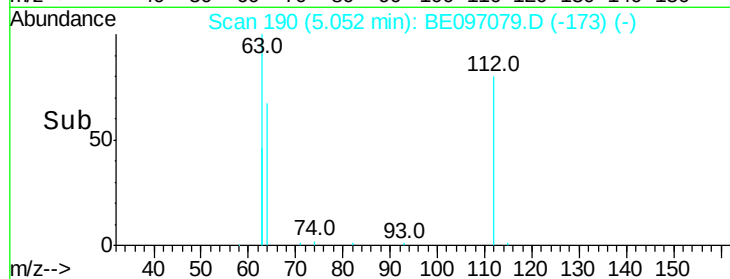
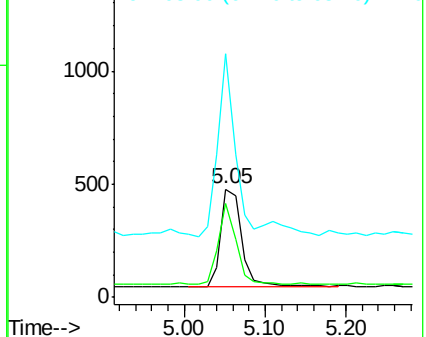
63 157.5 116.8 175.2



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: 0.120 ng

RT: 6.59 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097079.D

Acq: 24 Jul 2018 19:42

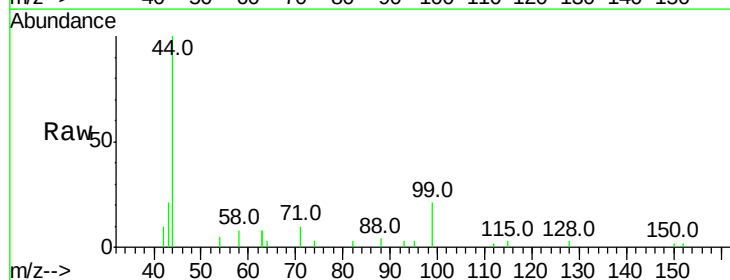
Tgt Ion: 99 Resp: 657

Ion Ratio Lower Upper

99 100

42 32.6 20.2 30.2#

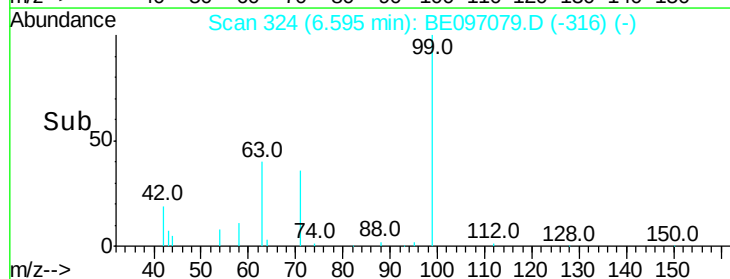
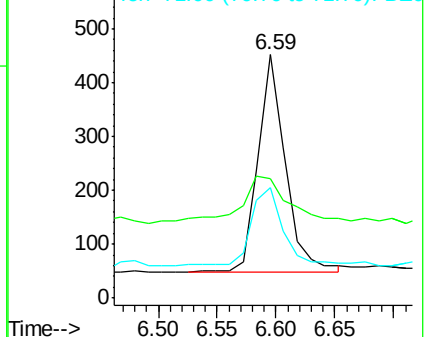
71 40.6 28.4 42.6

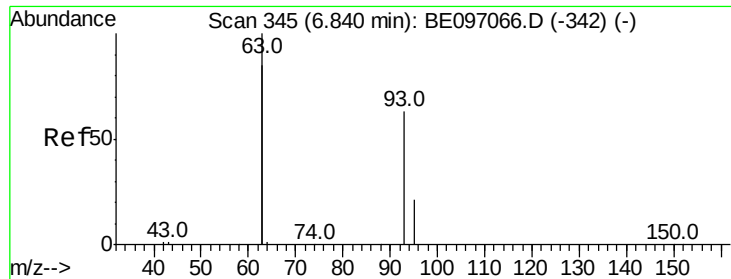


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.005 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE097079.D

Acq: 24 Jul 2018 19:42

Instrument :

BNA_E

ClientSampleId :

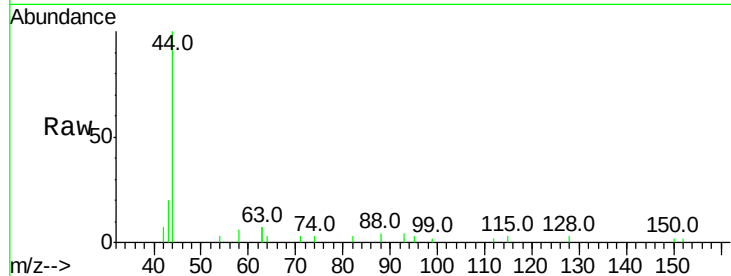
Tot Ion: 93 Resp: 23

Ion Ratio Lower Upper

93 100

63 295.7 275.3 412.9

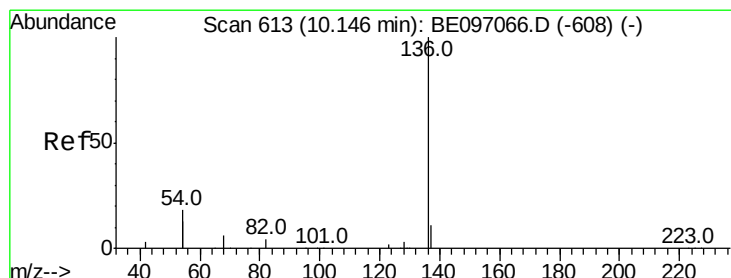
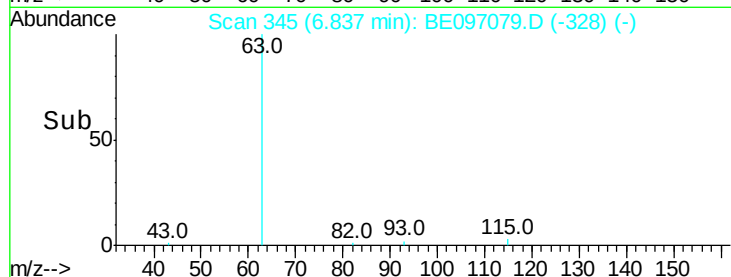
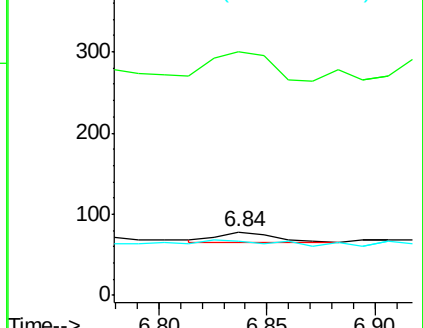
95 100.0 25.2 37.8#



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



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.14 min Scan# 613

Delta R.T. -0.00 min

Lab File: BE097079.D

Acq: 24 Jul 2018 19:42

Tgt Ion:136 Resp: 6114

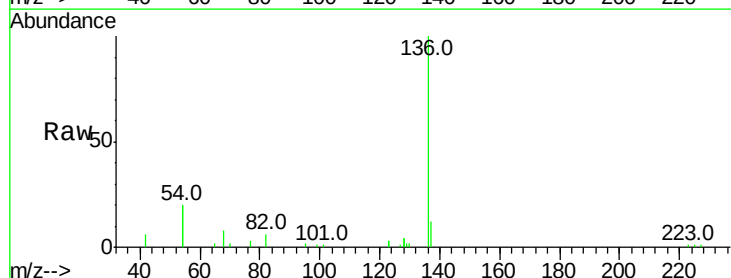
Ion Ratio Lower Upper

136 100

137 11.9 9.5 14.3

54 41.0 29.1 43.7

68 8.0 6.2 9.2

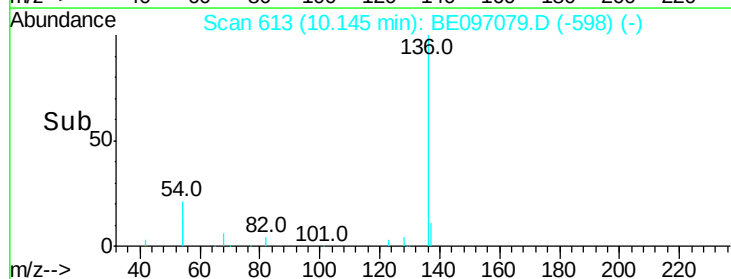
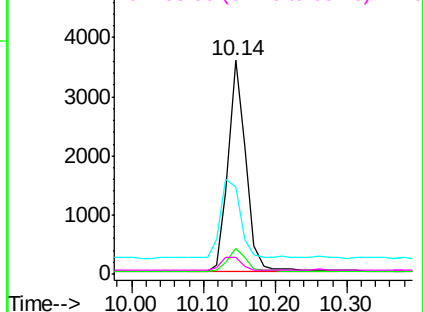


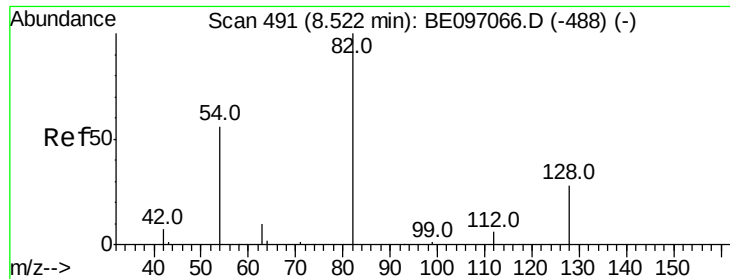
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.472 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE097079.D

Acq: 24 Jul 2018 19:42

Instrument :

BNA_E

ClientSampleId :

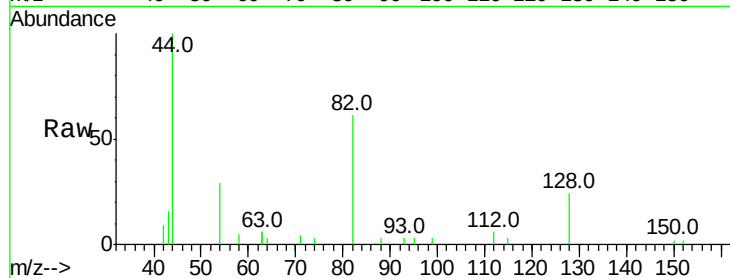
Tot Ion: 82 Resp: 2507

Ion Ratio Lower Upper

82 100

128 39.8 24.0 36.0#

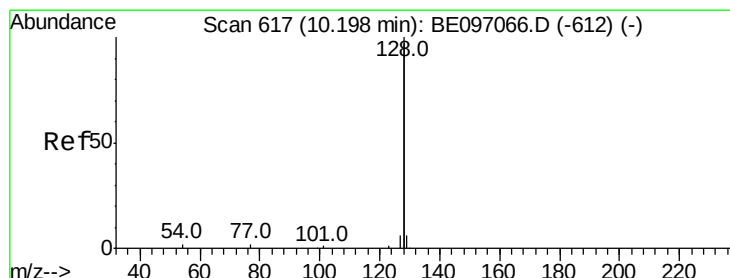
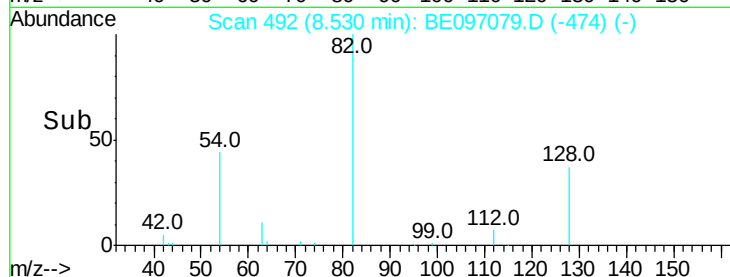
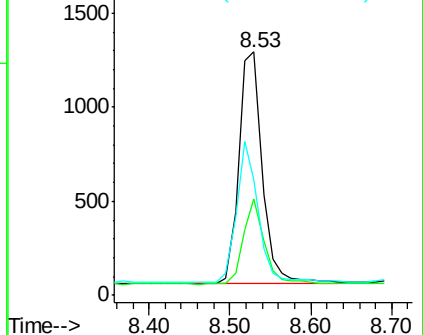
54 47.6 40.0 60.0



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: 0.016 ng

RT: 10.20 min Scan# 617

Delta R.T. -0.00 min

Lab File: BE097079.D

Acq: 24 Jul 2018 19:42

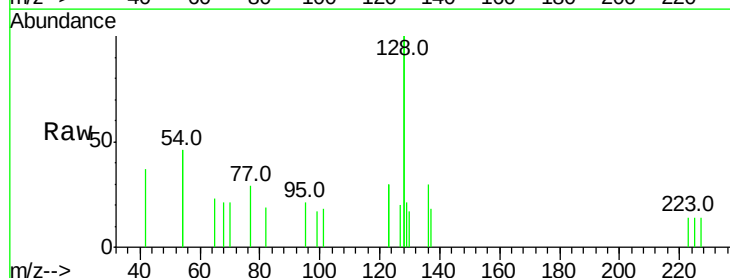
Tgt Ion:128 Resp: 878

Ion Ratio Lower Upper

128 100

129 10.3 2.6 3.8#

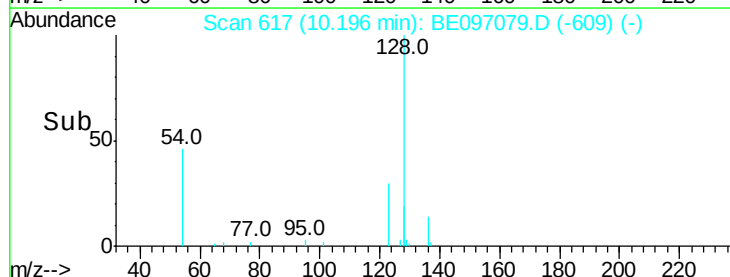
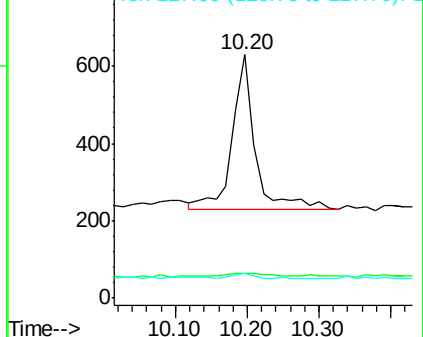
127 10.0 2.8 4.2#

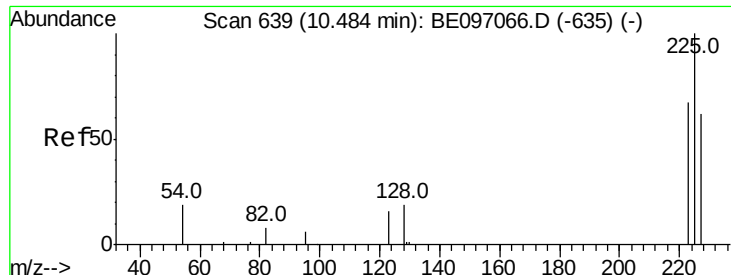


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

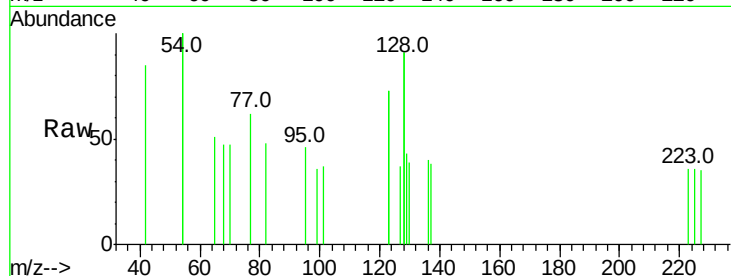




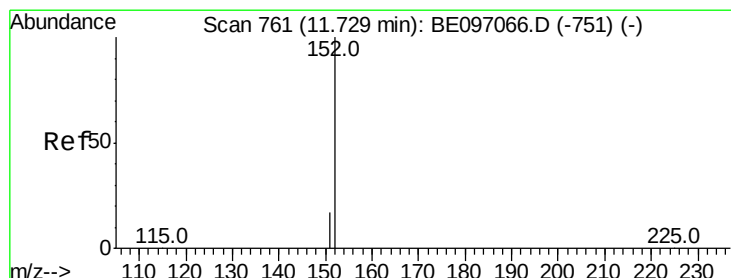
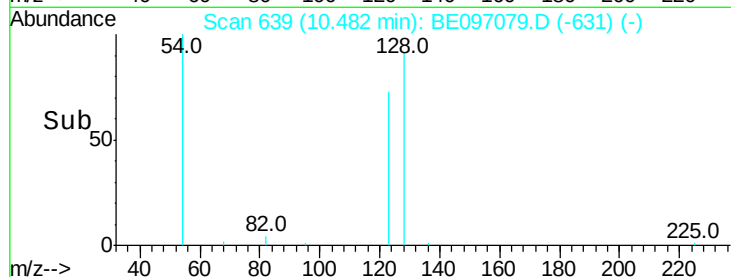
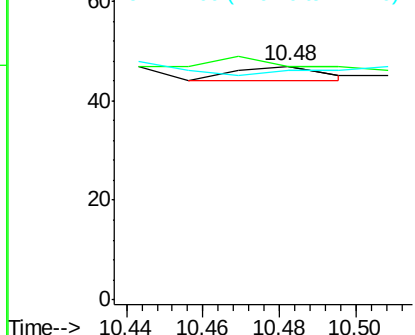
#10
Hexachlorobutadiene
Concen: 0.002 ng
RT: 10.48 min Scan# 639
Delta R.T. -0.00 min
Lab File: BE097079.D
Acq: 24 Jul 2018 19:42

Instrument :
BNA_E
ClientSampleId :

Tot Ion:225 Resp: 5
Ion Ratio Lower Upper
225 100
223 120.0 53.0 79.6#
227 0.0 51.4 77.2#

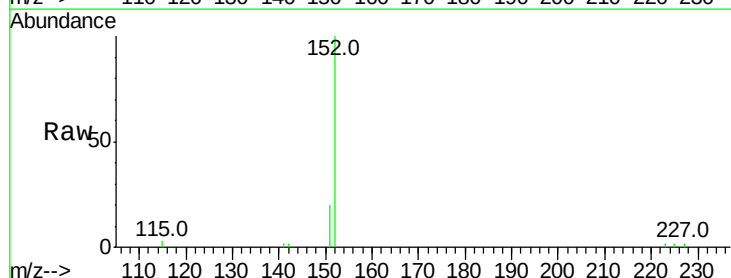


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

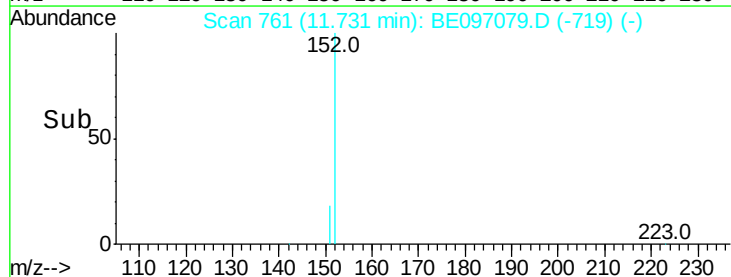
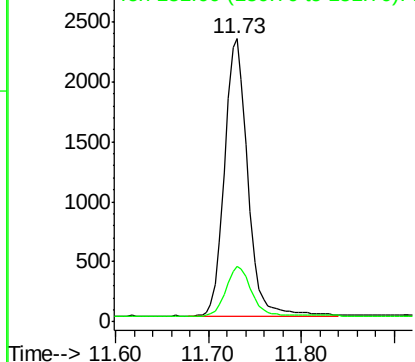


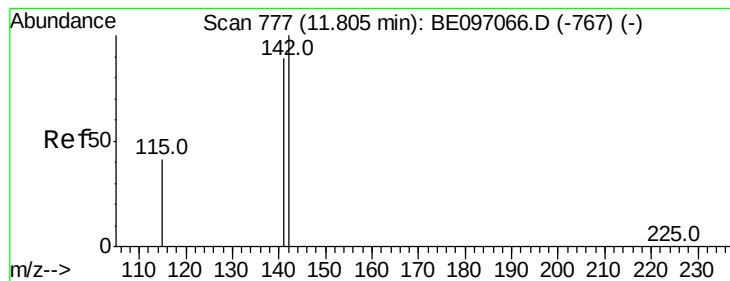
#11
2-Methylnaphthalene-d10
Concen: 0.439 ng
RT: 11.73 min Scan# 761
Delta R.T. 0.00 min
Lab File: BE097079.D
Acq: 24 Jul 2018 19:42

Tgt Ion:152 Resp: 4014
Ion Ratio Lower Upper
152 100
151 19.4 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.010 ng

RT: 11.81 min Scan# 777

Delta R.T. 0.00 min

Lab File: BE097079.D

Acq: 24 Jul 2018 19:42

Instrument :

BNA_E

ClientSampled :

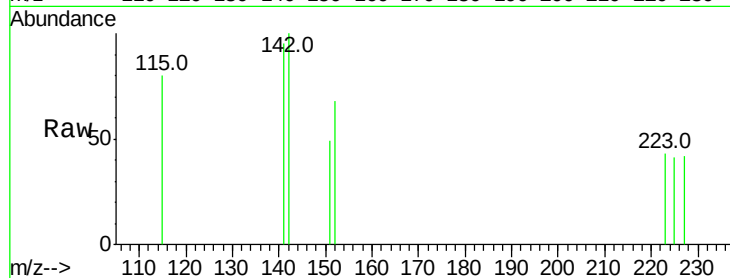
Tot Ion:142 Resp: 97

Ion Ratio Lower Upper

142 100

141 95.4 70.4 105.6

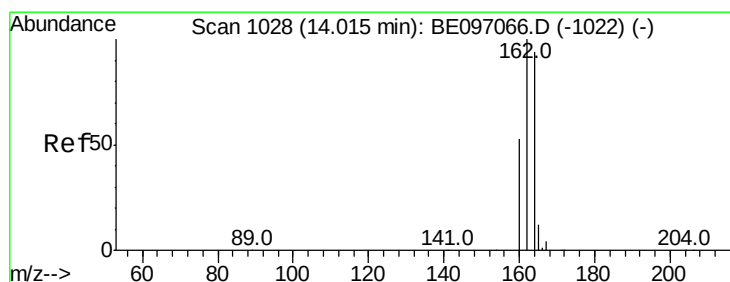
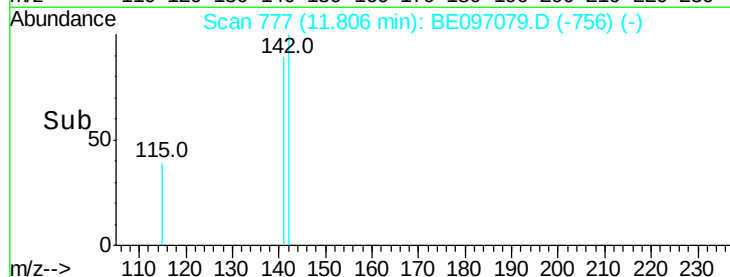
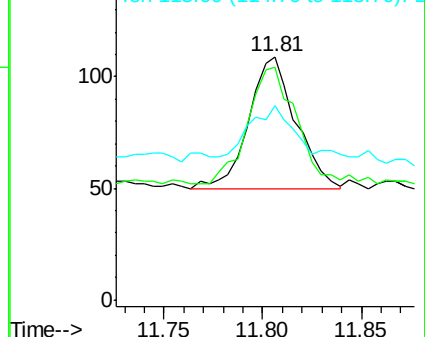
115 79.8 31.7 47.5#



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



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1027

Delta R.T. -0.00 min

Lab File: BE097079.D

Acq: 24 Jul 2018 19:42

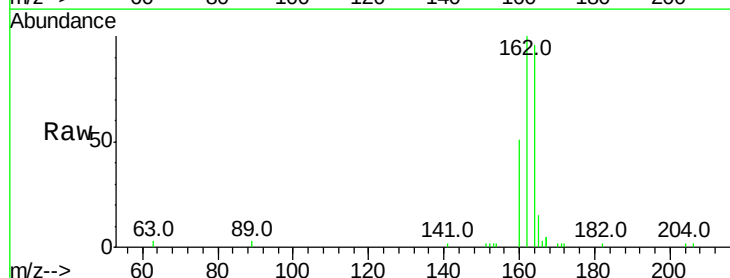
Tgt Ion:164 Resp: 3635

Ion Ratio Lower Upper

164 100

162 104.5 83.1 124.7

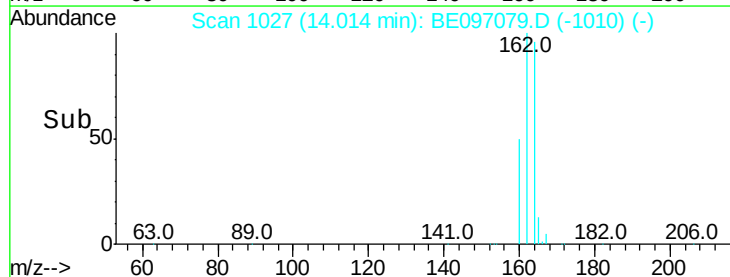
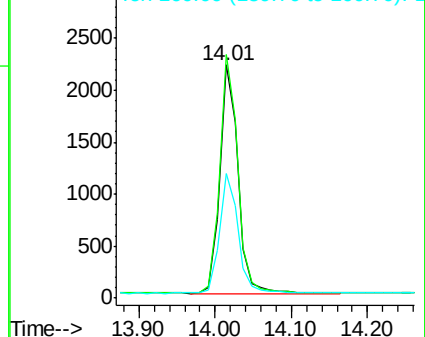
160 53.5 37.1 55.7

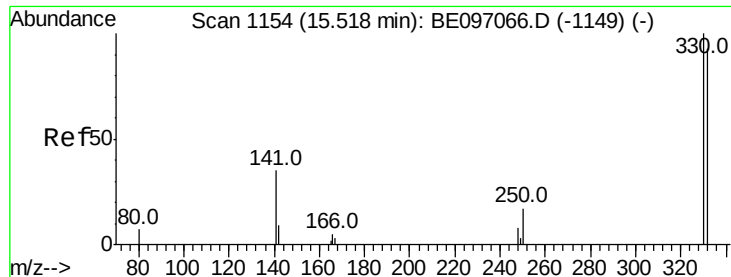


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#14

2,4,6-Tribromophenol

Concen: 0.489 ng

RT: 15.52 min Scan# 1153

Delta R.T. -0.00 min

Lab File: BE097079.D

Acq: 24 Jul 2018 19:42

Instrument :

BNA_E

ClientSampled :

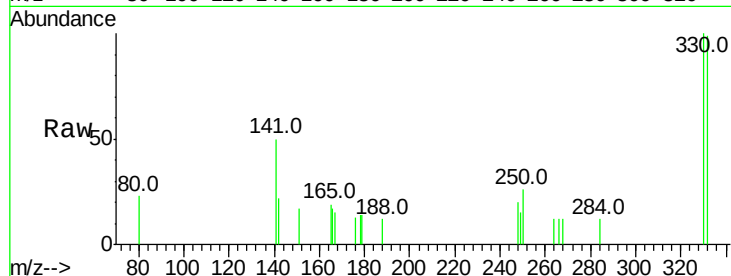
Tot Ion:330 Resp: 585

Ion Ratio Lower Upper

330 100

332 101.9 152.7 229.1#

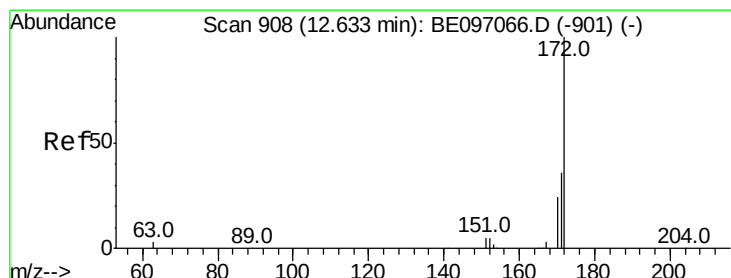
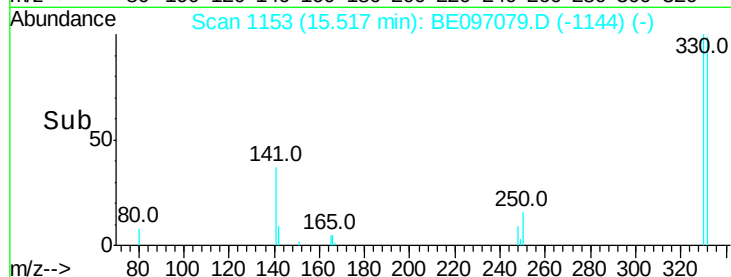
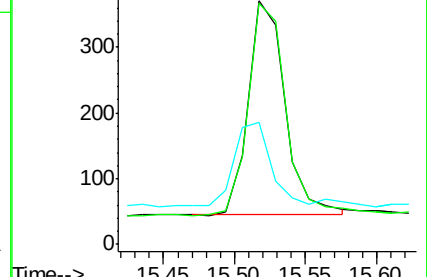
141 40.3 33.7 50.5



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: 0.549 ng

RT: 12.63 min Scan# 907

Delta R.T. -0.00 min

Lab File: BE097079.D

Acq: 24 Jul 2018 19:42

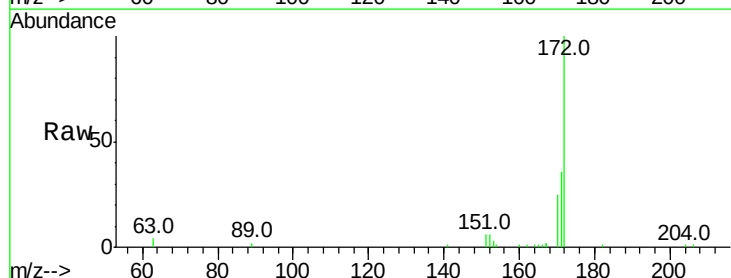
Tgt Ion:172 Resp: 6888

Ion Ratio Lower Upper

172 100

171 35.6 29.9 44.9

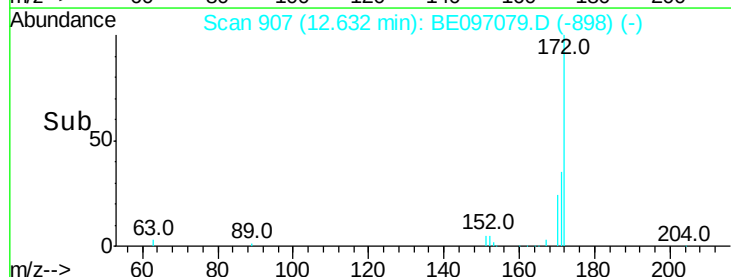
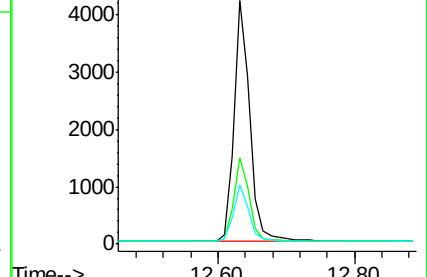
170 24.6 21.8 32.8

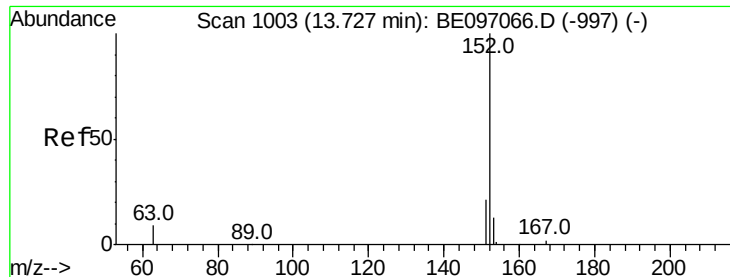


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#16

Acenaphthylene

Concen: 0.001 ng

RT: 13.74 min Scan# 1003

Delta R.T. 0.01 min

Lab File: BE097079.D

Acq: 24 Jul 2018 19:42

Instrument :

BNA_E

ClientSampleId :

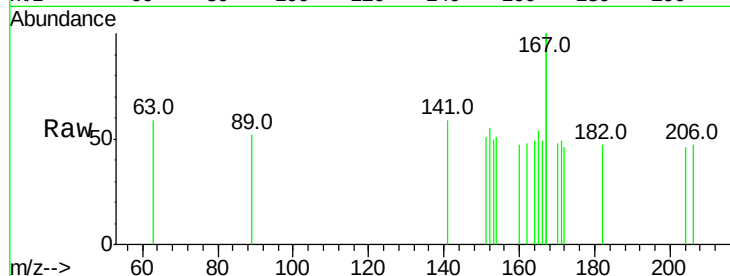
Tot Ion:152 Resp: 10

Ion Ratio Lower Upper

152 100

151 60.0 15.7 23.5#

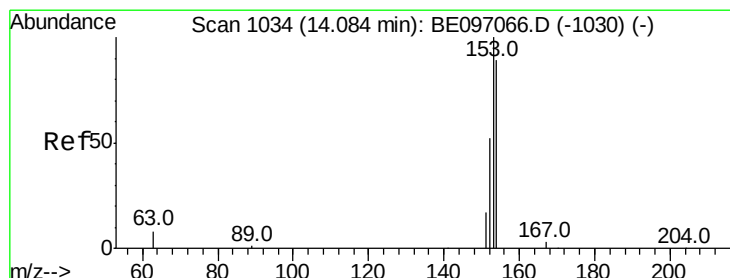
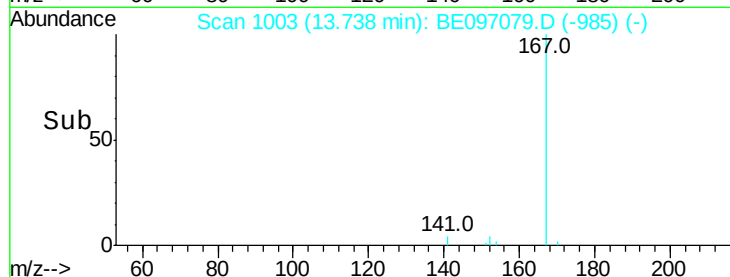
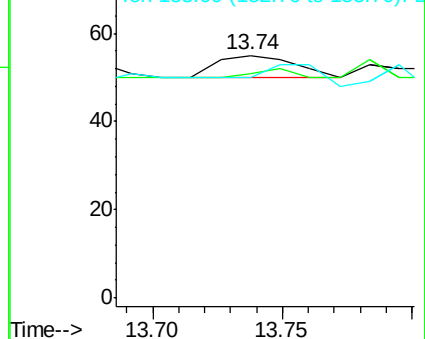
153 80.0 10.5 15.7#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#17

Acenaphthene

Concen: 0.003 ng

RT: 14.08 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BE097079.D

Acq: 24 Jul 2018 19:42

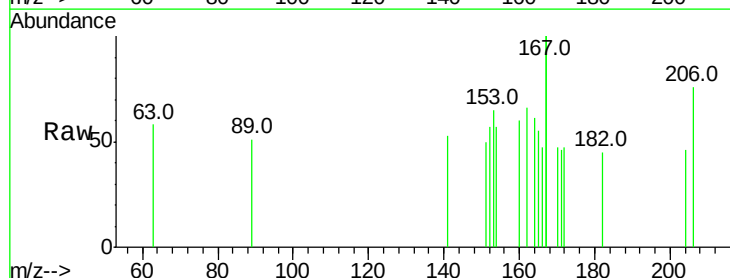
Tgt Ion:154 Resp: 30

Ion Ratio Lower Upper

154 100

153 0.0 89.2 133.8#

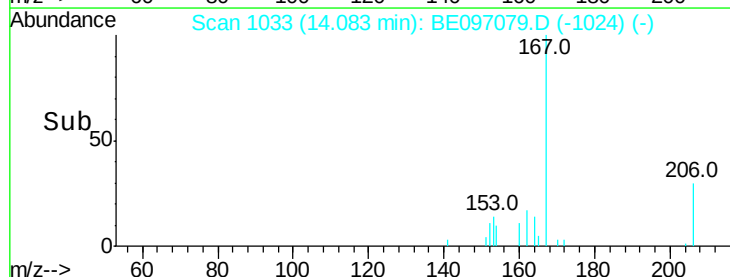
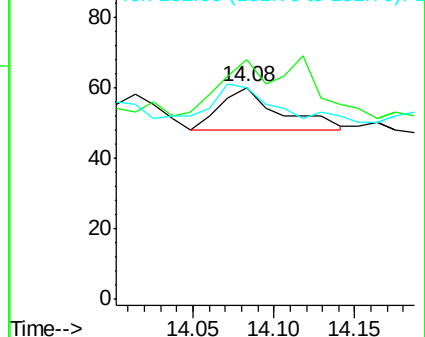
152 56.7 42.0 63.0

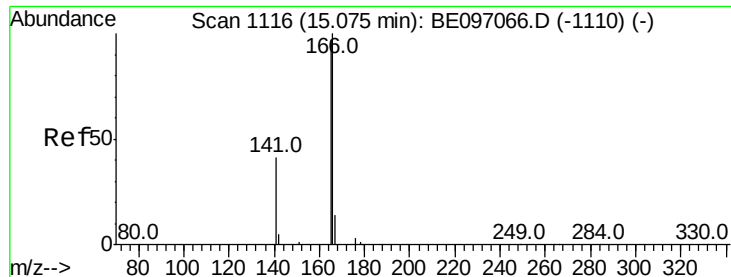


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#18

Fluorene

Concen: 0.006 ng

RT: 15.07 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE097079.D

Acq: 24 Jul 2018 19:42

Instrument :

BNA_E

ClientSampled :

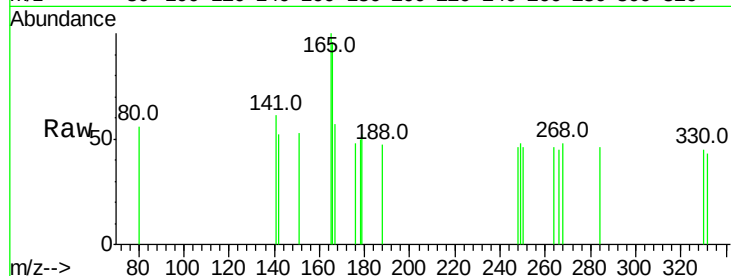
Tot Ion:166 Resp: 73

Ion Ratio Lower Upper

166 100

165 101.4 77.8 116.6

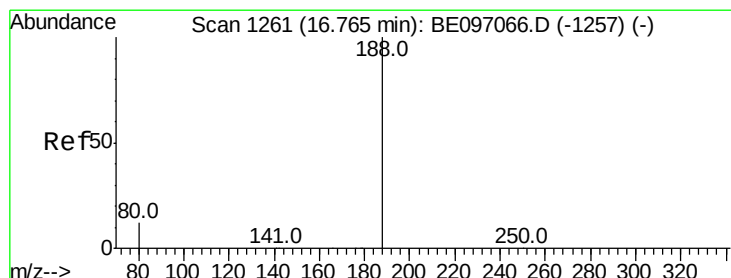
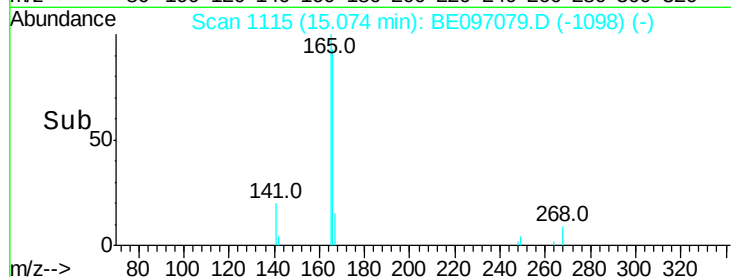
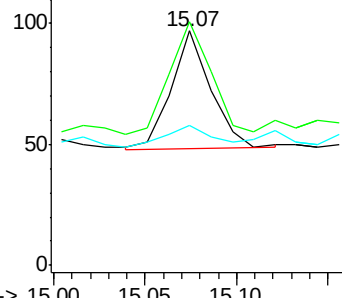
167 20.5 42.4 63.6#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.76 min Scan# 1260

Delta R.T. -0.00 min

Lab File: BE097079.D

Acq: 24 Jul 2018 19:42

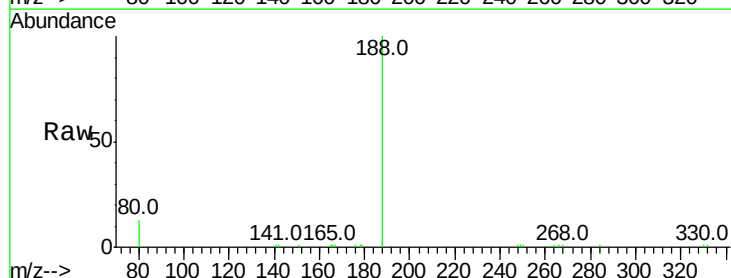
Tgt Ion:188 Resp: 10763

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

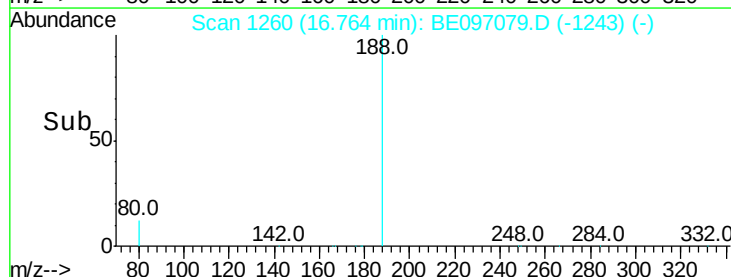
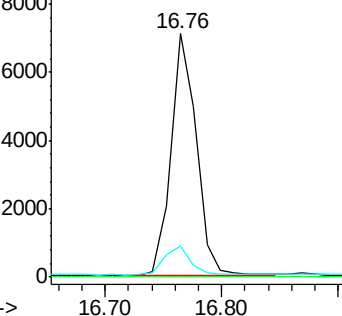
80 12.7 3.6 5.4#

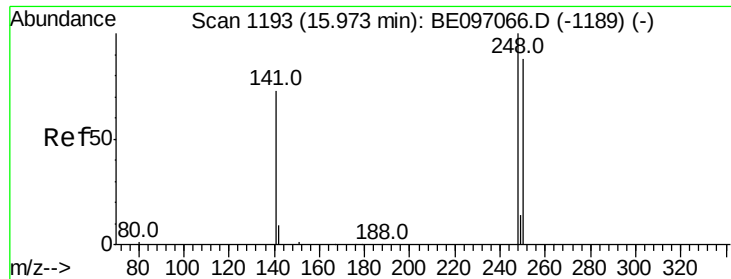


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

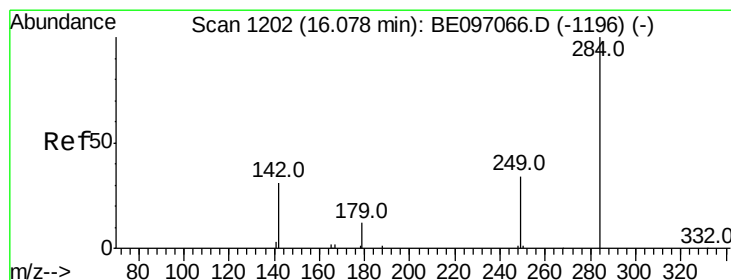
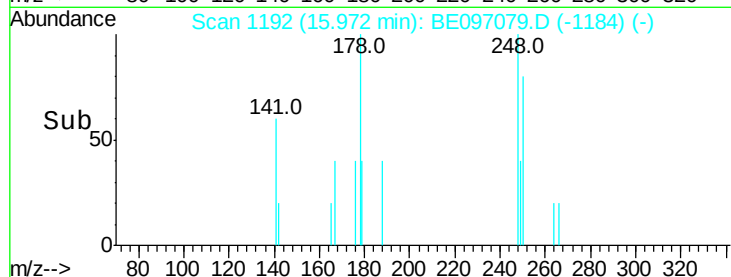
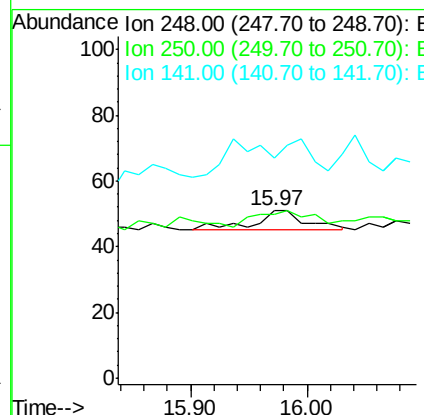
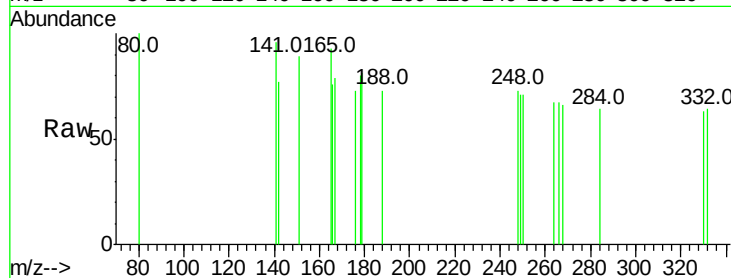




#20
4-Bromophenyl-phenylether
Concen: 0.004 ng
RT: 15.97 min Scan# 1192
Delta R.T. -0.00 min
Lab File: BE097079.D
Acq: 24 Jul 2018 19:42

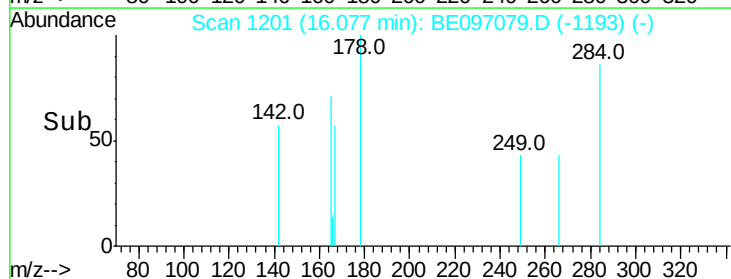
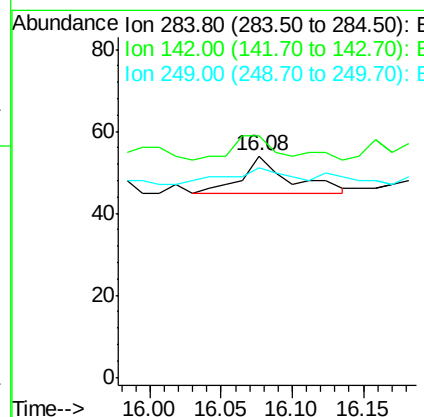
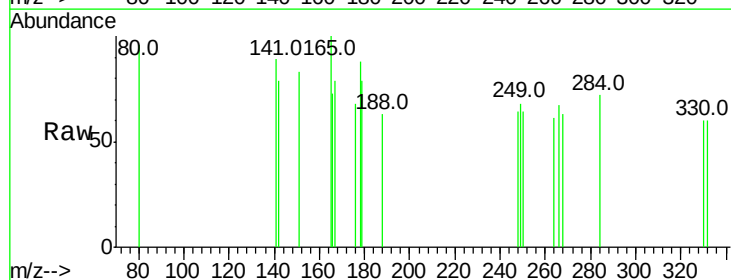
Instrument :
BNA_E
ClientSampled :

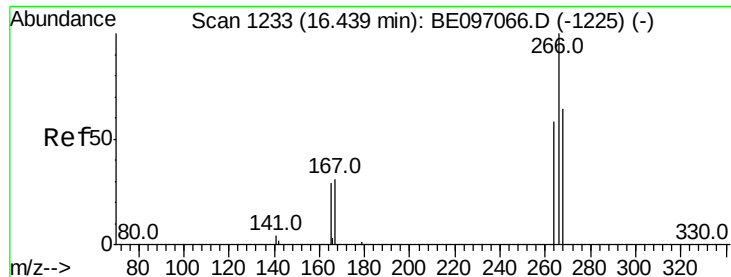
Tot Ion:248 Resp: 19
Ion Ratio Lower Upper
248 100
250 98.0 62.7 94.1#
141 131.4 48.2 72.2#



#21
Hexachlorobenzene
Concen: 0.004 ng
RT: 16.08 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BE097079.D
Acq: 24 Jul 2018 19:42

Tgt Ion:284 Resp: 20
Ion Ratio Lower Upper
284 100
142 60.0 22.1 33.1#
249 60.0 34.8 52.2#





#22

Pentachlorophenol

Concen: 0.041 ng

RT: 16.46 min Scan# 1234

Delta R.T. 0.02 min

Lab File: BE097079.D

Acq: 24 Jul 2018 19:42

Instrument :

BNA_E

ClientSampleId :

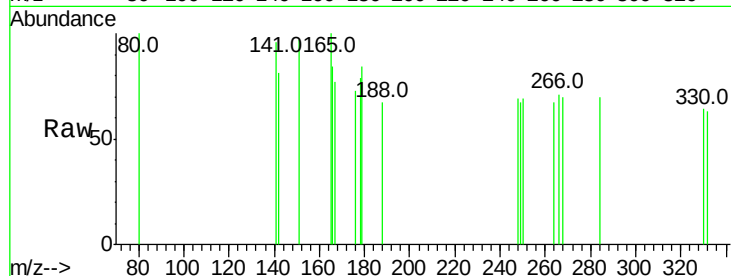
Tot Ion:266 Resp: 8

Ion Ratio Lower Upper

266 100

264 94.0 72.5 108.7

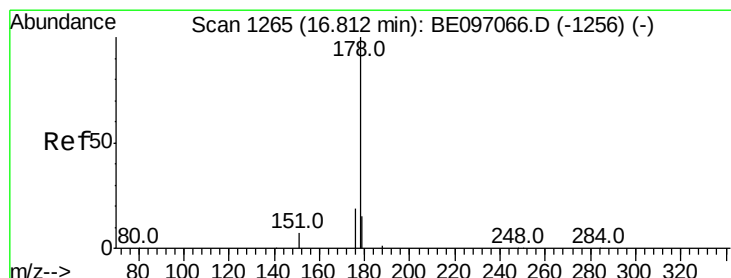
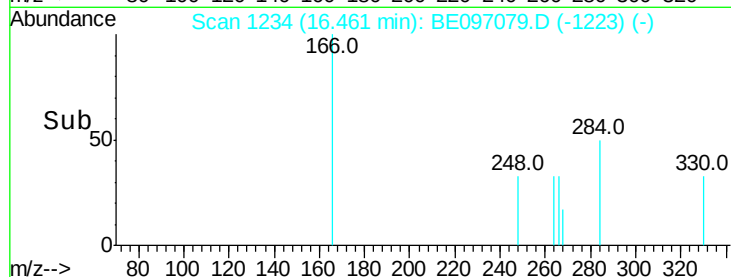
268 98.0 73.8 110.6



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: 0.010 ng

RT: 16.81 min Scan# 1264

Delta R.T. -0.00 min

Lab File: BE097079.D

Acq: 24 Jul 2018 19:42

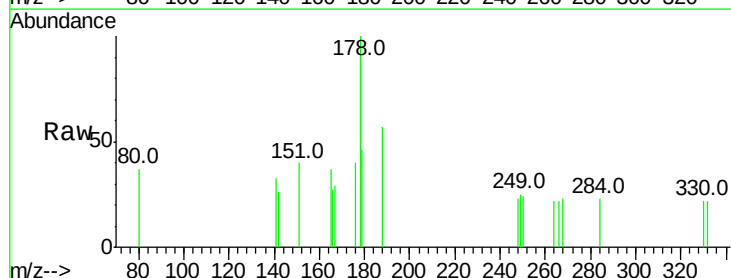
Tgt Ion:178 Resp: 268

Ion Ratio Lower Upper

178 100

176 20.1 15.1 22.7

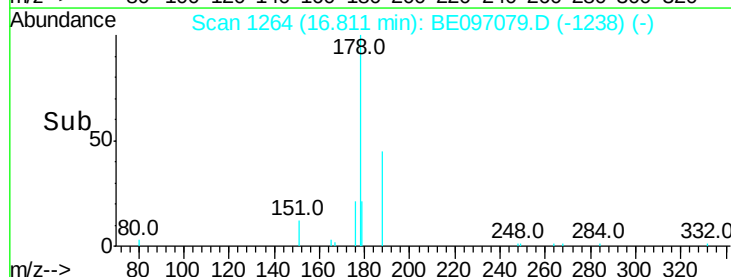
179 23.1 11.8 17.6#

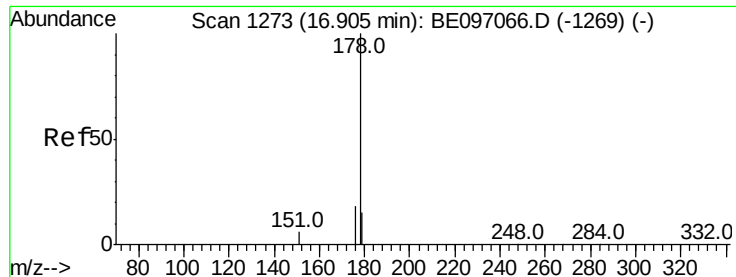


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.001 ng

RT: 16.90 min Scan# 1272

Delta R.T. -0.00 min

Lab File: BE097079.D

Acq: 24 Jul 2018 19:42

Instrument :

BNA_E

ClientSampleId :

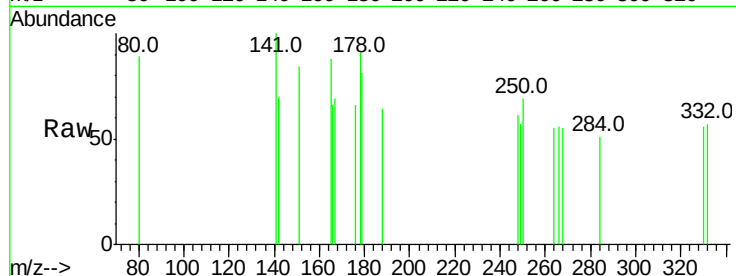
Tot Ion:178 Resp: 34

Ion Ratio Lower Upper

178 100

176 29.4 12.8 19.2#

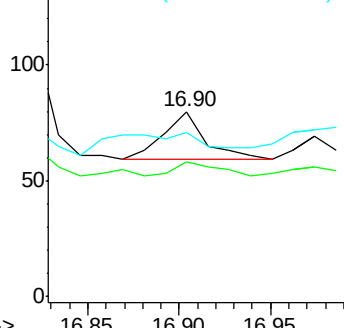
179 100.0 13.0 19.6#



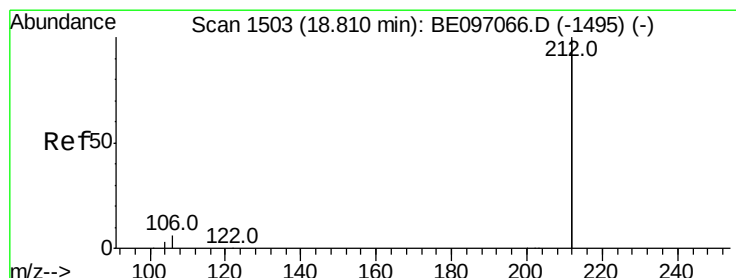
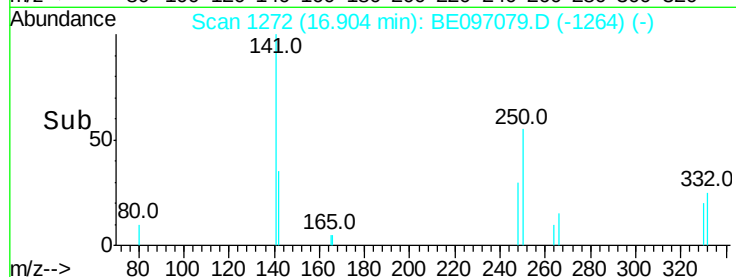
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#25

Fluoranthene-d10

Concen: 0.556 ng

RT: 18.81 min Scan# 1502

Delta R.T. -0.00 min

Lab File: BE097079.D

Acq: 24 Jul 2018 19:42

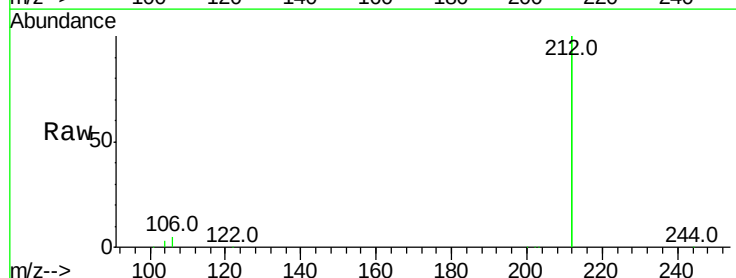
Tgt Ion:212 Resp: 59859

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

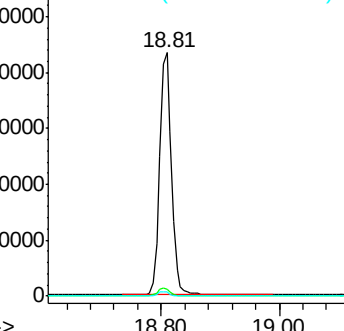
104 1.7 1.6 2.4



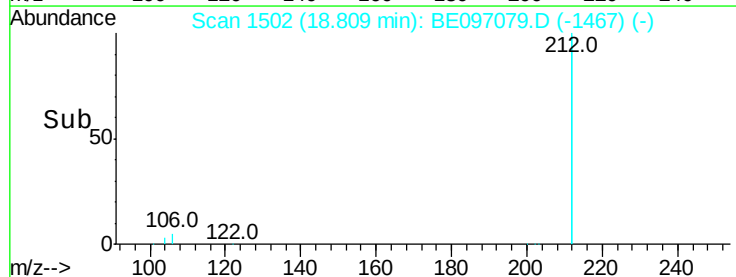
Abundance Ion 212.00 (211.70 to 212.70): E

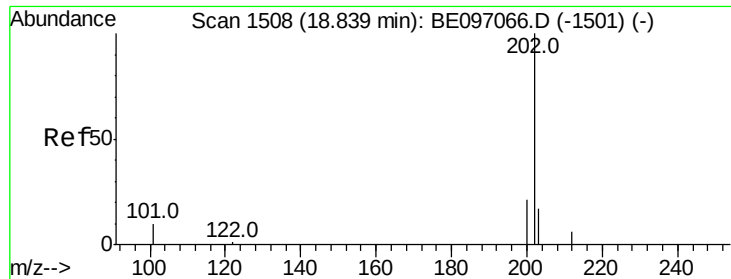
Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



Time-->

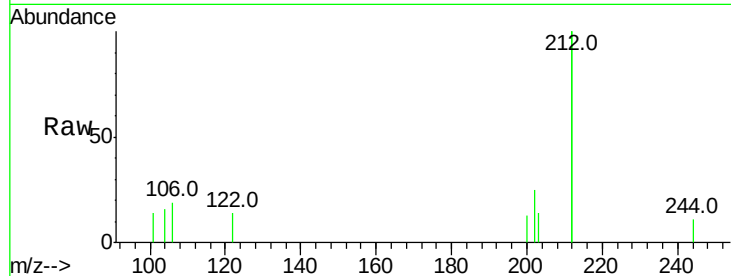




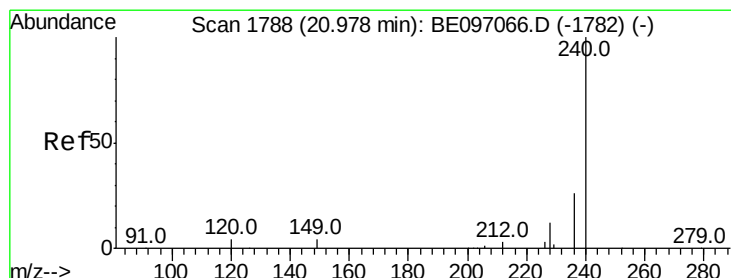
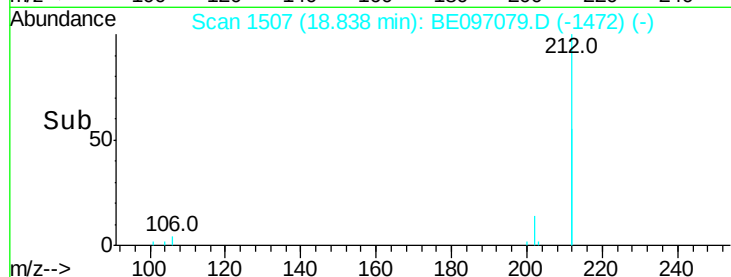
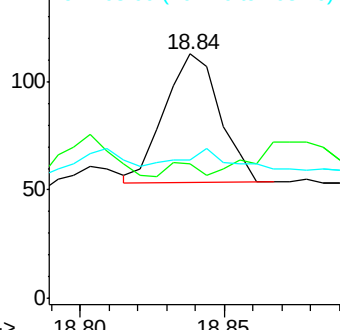
#26
 Fluoranthene
 Concen: 0.003 ng
 RT: 18.84 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: BE097079.D
 Acq: 24 Jul 2018 19:42

Instrument :
 BNA_E
 ClientSampled :

Tot Ion:202 Resp: 79
 Ion Ratio Lower Upper
 202 100
 101 6.3 9.8 14.8#
 203 21.5 13.7 20.5#

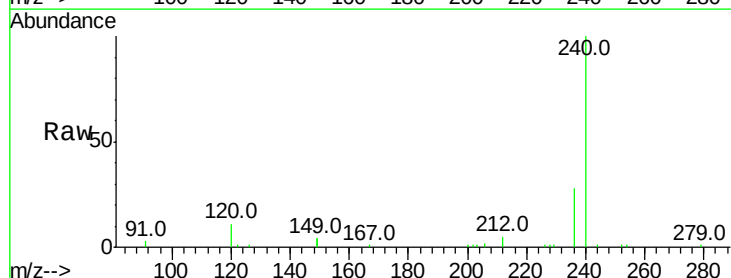


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

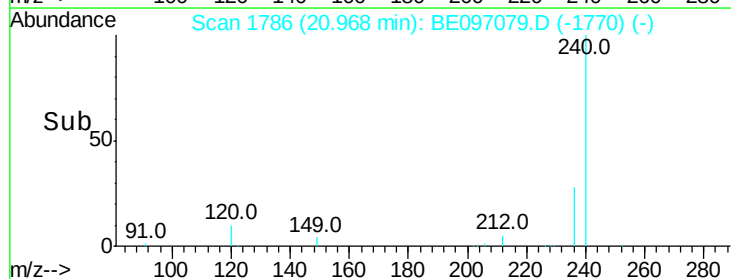
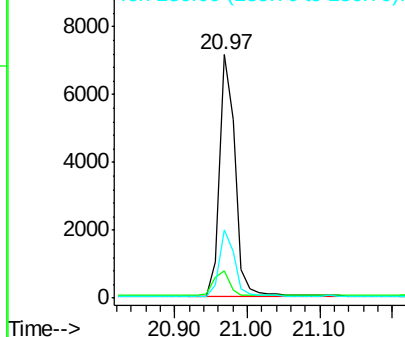


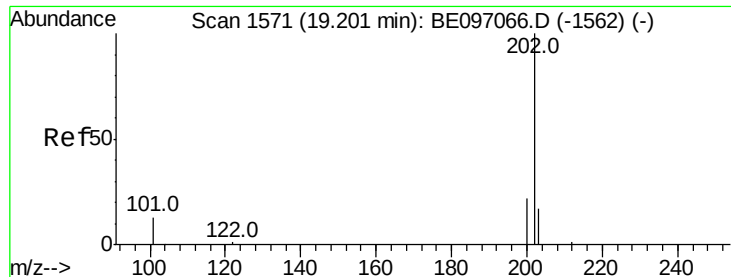
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 20.97 min Scan# 1786
 Delta R.T. -0.01 min
 Lab File: BE097079.D
 Acq: 24 Jul 2018 19:42

Tgt Ion:240 Resp: 10784
 Ion Ratio Lower Upper
 240 100
 120 11.3 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

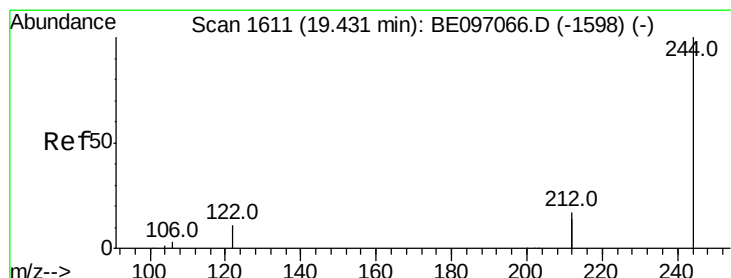
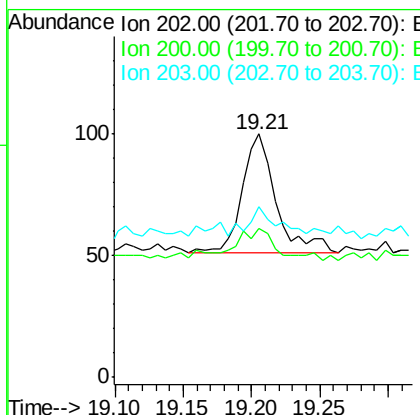
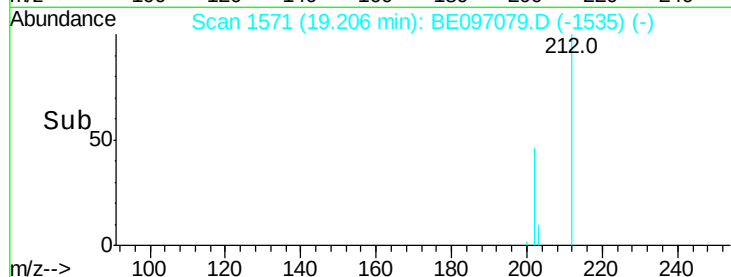
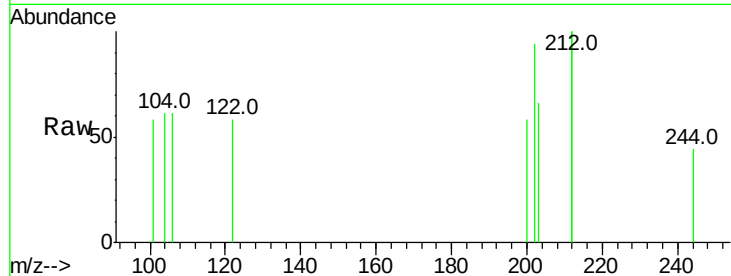




#28
Pvrene
Concen: 0.003 ng
RT: 19.21 min Scan# 1571
Delta R.T. 0.01 min
Lab File: BE097079.D
Acq: 24 Jul 2018 19:42

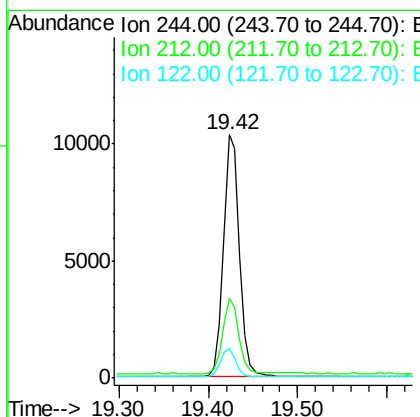
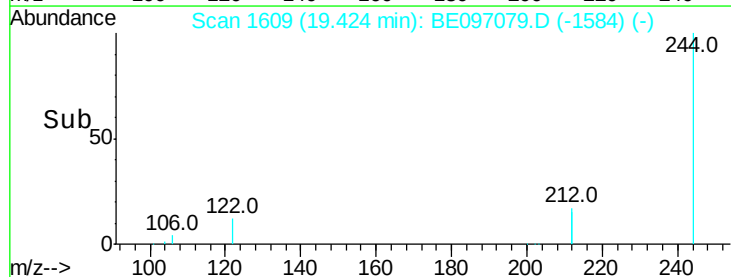
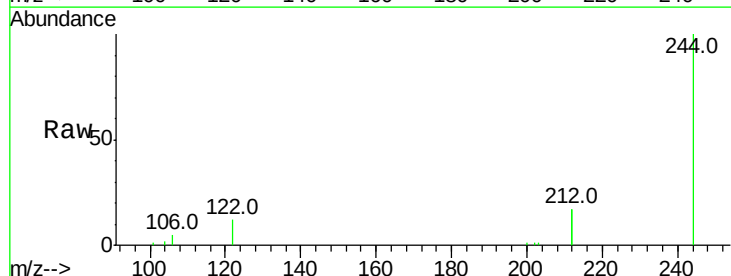
Instrument :
BNA_E
ClientSampleId :

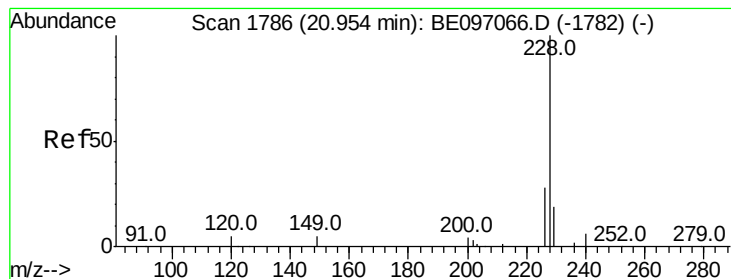
Tot Ion:202 Resp: 84
Ion Ratio Lower Upper
202 100
200 19.0 16.6 25.0
203 20.2 13.8 20.8



#29
Terphenyl-d14
Concen: 0.621 ng
RT: 19.42 min Scan# 1609
Delta R.T. -0.01 min
Lab File: BE097079.D
Acq: 24 Jul 2018 19:42

Tgt Ion:244 Resp: 12871
Ion Ratio Lower Upper
244 100
212 33.0 25.4 38.0
122 12.4 8.1 12.1#





#30

Benzo(a)anthracene

Concen: 0.002 ng

RT: 20.97 min Scan# 1786

Delta R.T. 0.01 min

Lab File: BE097079.D

Acq: 24 Jul 2018 19:42

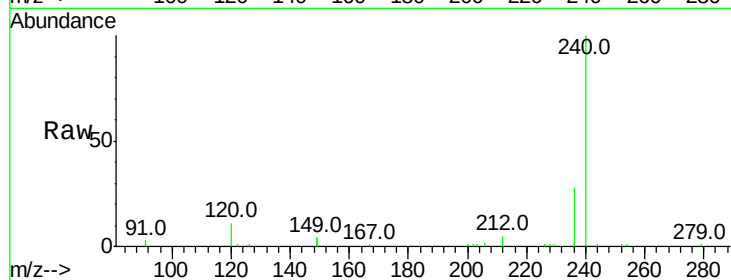
Instrument :

BNA_E

ClientSampled :

Tot Ion:228 Resp: 62

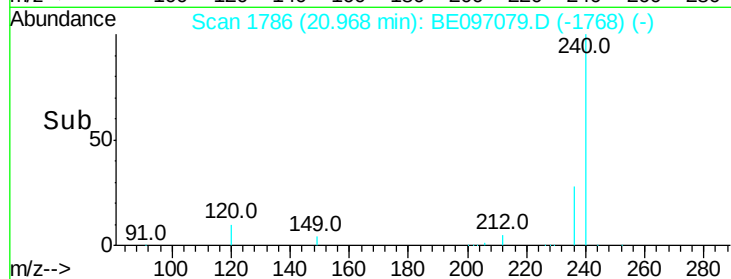
Ion	Ratio	Lower	Upper
228	100		
226	67.9	24.0	36.0#
229	72.8	16.0	24.0#



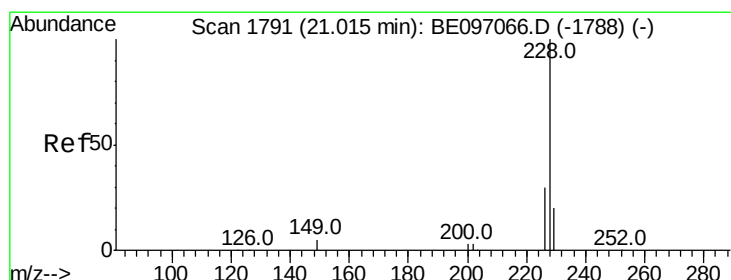
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#31

Chrysene

Concen: 0.002 ng

RT: 21.02 min Scan# 1790

Delta R.T. 0.00 min

Lab File: BE097079.D

Acq: 24 Jul 2018 19:42

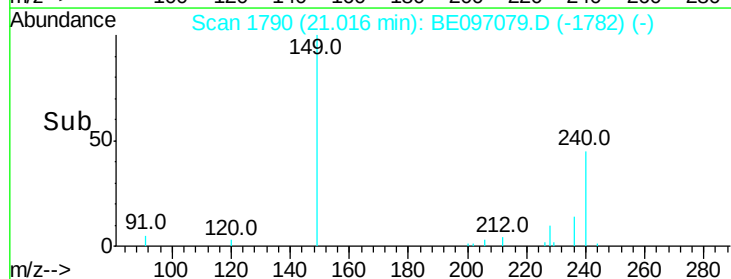
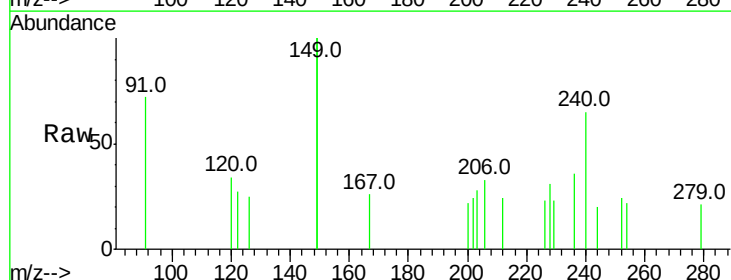
Tgt Ion:228 Resp: 46

Ion	Ratio	Lower	Upper
228	100		
226	74.0	24.0	36.0#
229	75.3	16.0	24.0#

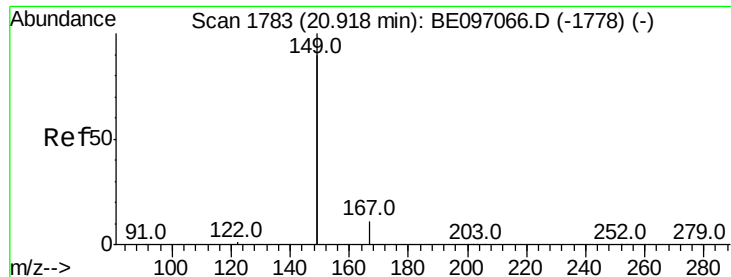
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.121 ng

RT: 20.92 min Scan# 1782

Delta R.T. 0.00 min

Lab File: BE097079.D

Acq: 24 Jul 2018 19:42

Instrument :

BNA_E

ClientSampleId :

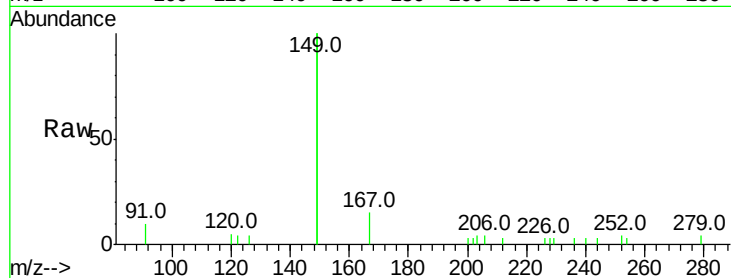
Tot Ion:149 Resp: 3535

Ion Ratio Lower Upper

149 100

167 7.0 5.4 8.0

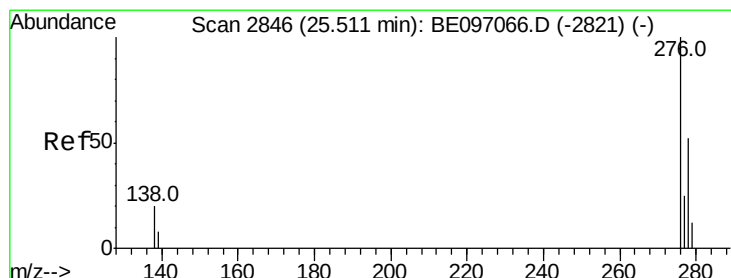
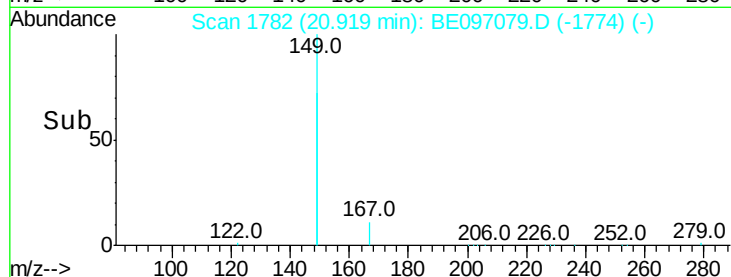
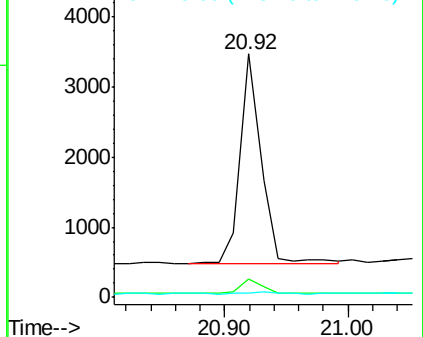
279 1.1 0.7 1.1#



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: 0.001 ng

RT: 25.51 min Scan# 2844

Delta R.T. -0.00 min

Lab File: BE097079.D

Acq: 24 Jul 2018 19:42

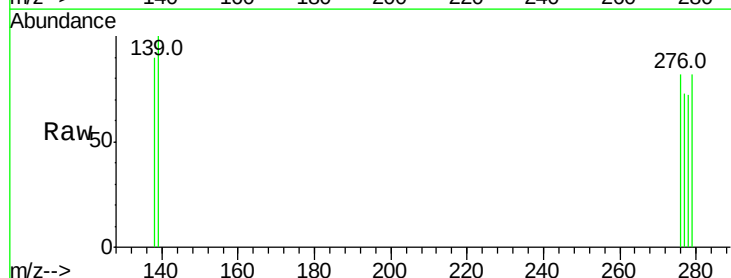
Tgt Ion:276 Resp: 21

Ion Ratio Lower Upper

276 100

138 0.0 22.5 33.7#

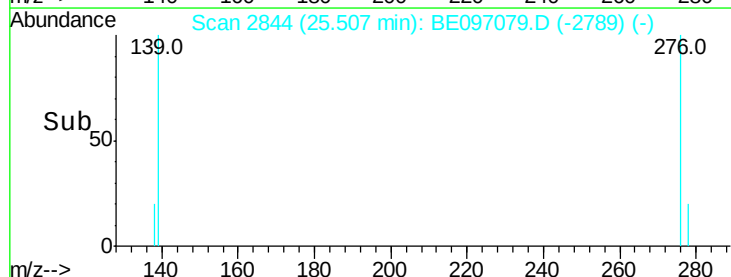
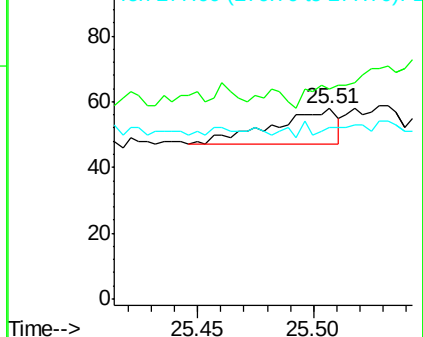
277 14.3 19.9 29.9#

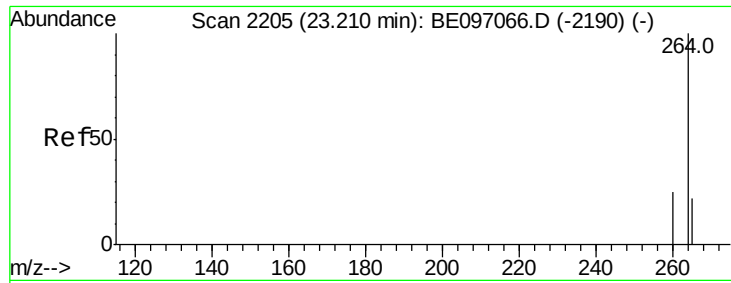


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

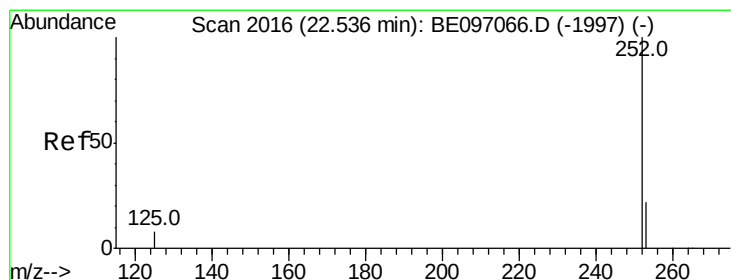
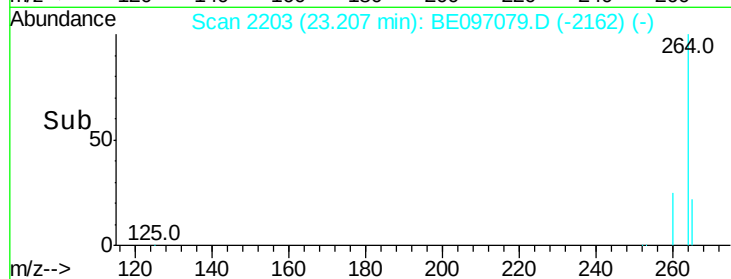
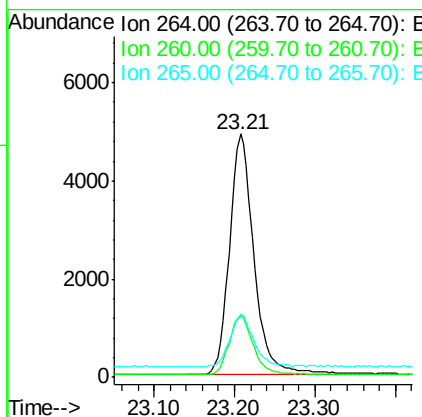
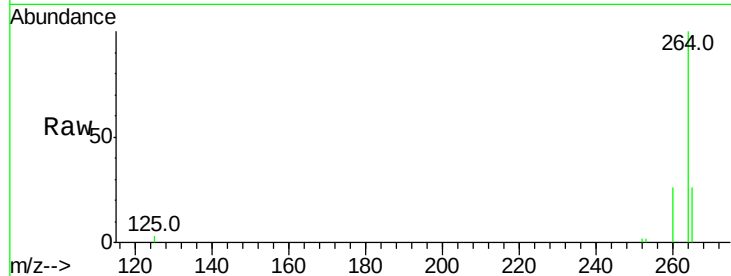




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2203
Delta R.T. -0.00 min
Lab File: BE097079.D
Acq: 24 Jul 2018 19:42

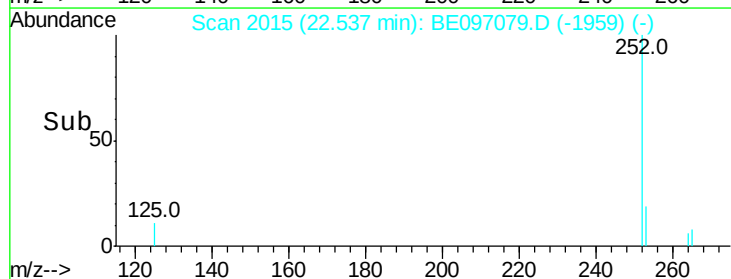
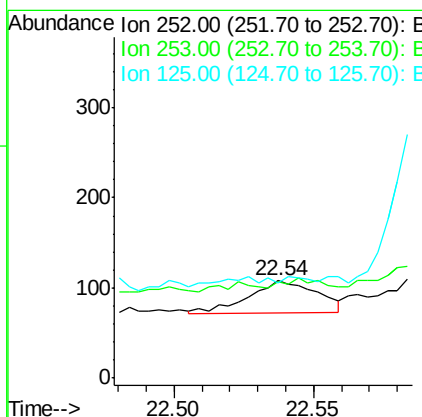
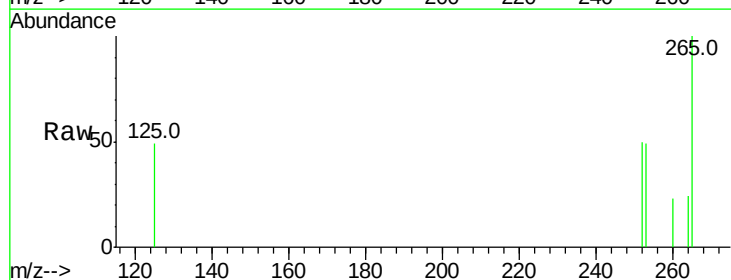
Instrument :
BNA_E
ClientSampleId :

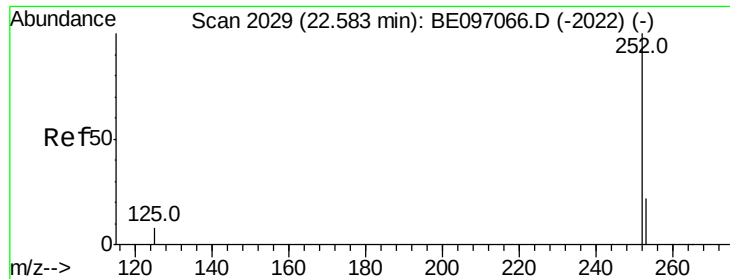
Tot Ion:264 Resp: 10348
Ion Ratio Lower Upper
264 100
260 25.6 20.5 30.7
265 25.8 22.8 34.2



#35
Benzo(b)fluoranthene
Concen: 0.002 ng
RT: 22.54 min Scan# 2015
Delta R.T. 0.00 min
Lab File: BE097079.D
Acq: 24 Jul 2018 19:42

Tgt Ion:252 Resp: 60
Ion Ratio Lower Upper
252 100
253 99.1 20.0 30.0#
125 98.1 16.0 24.0#





#36

Benzo(k)fluoranthene

Concen: 0.002 ng

RT: 22.58 min Scan# 2028

Delta R.T. 0.00 min

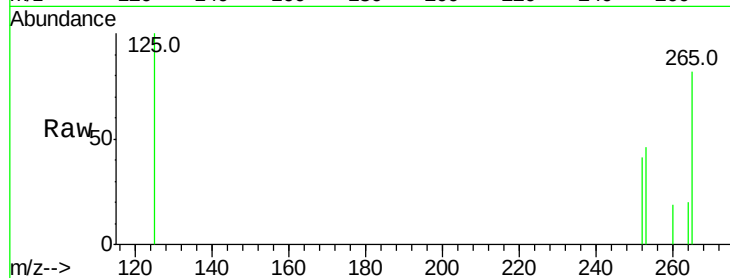
Lab File: BE097079.D

Acq: 24 Jul 2018 19:42

Instrument :

BNA_E

ClientSampleId :



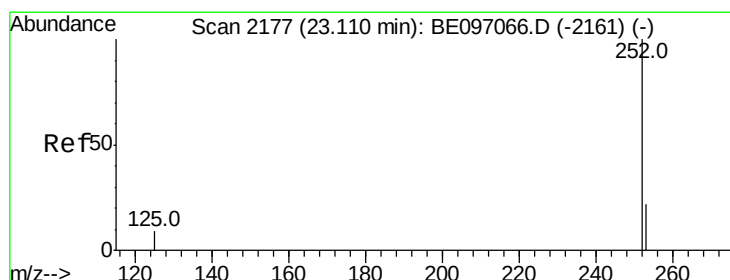
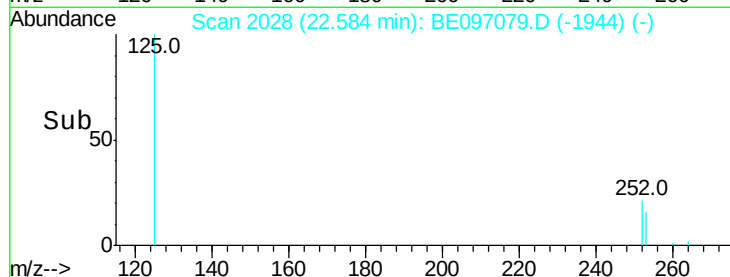
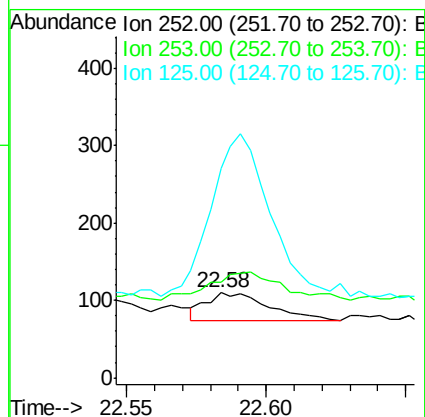
Tot Ion:252 Resp: 57

Ion Ratio Lower Upper

252 100

253 112.7 16.0 24.0#

125 245.5 8.0 12.0#



#37

Benzo(a)pyrene

Concen: 0.000 ng

RT: 23.11 min Scan# 2177

Delta R.T. 0.00 min

Lab File: BE097079.D

Acq: 24 Jul 2018 19:42

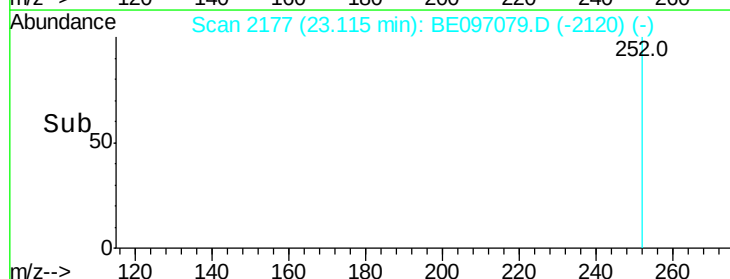
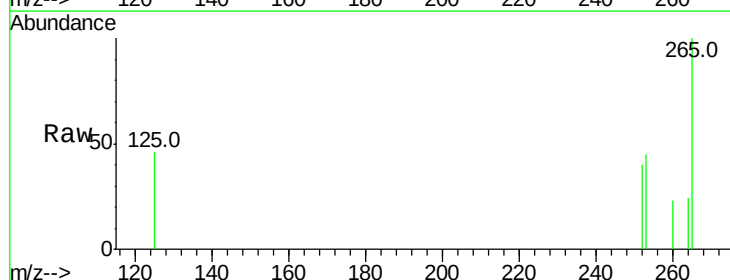
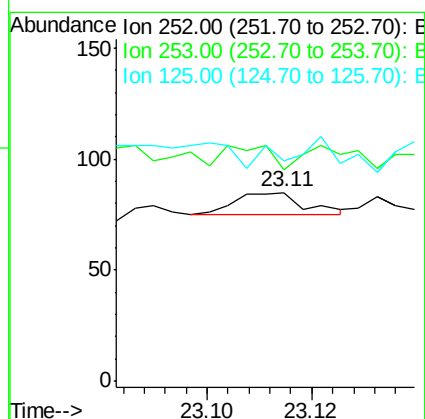
Tgt Ion:252 Resp: 9

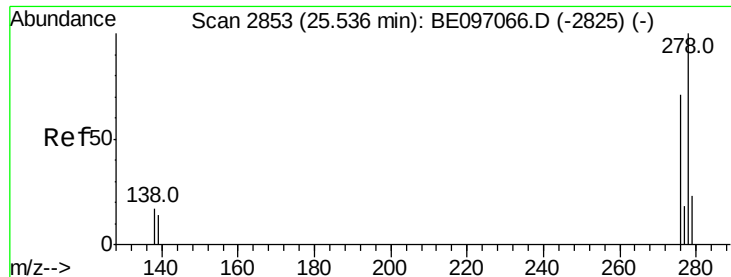
Ion Ratio Lower Upper

252 100

253 111.8 16.0 24.0#

125 116.5 12.0 18.0#





#38

Dibenzo(a,h)anthracene

Concen: 0.000 ng

RT: 25.53 min Scan# 2851

Delta R.T. -0.00 min

Lab File: BE097079.D

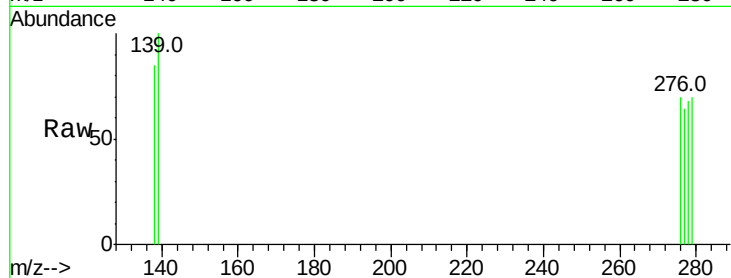
Acq: 24 Jul 2018 19:42

Instrument :

BNA_E

ClientSampleId :

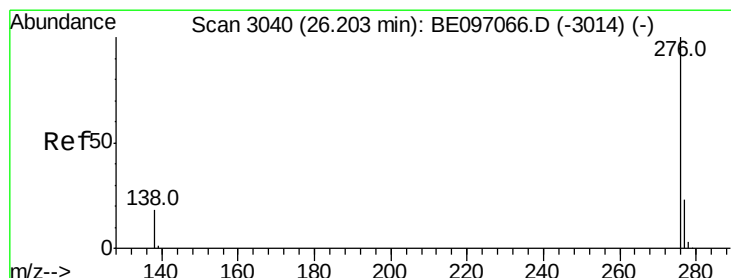
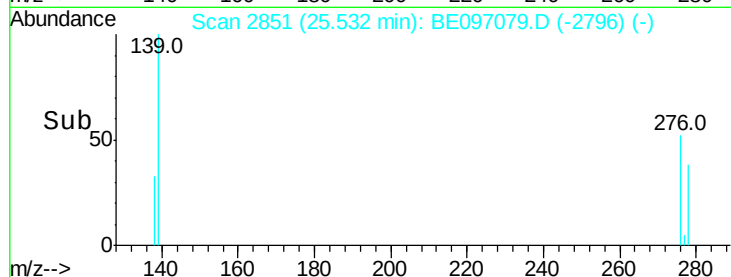
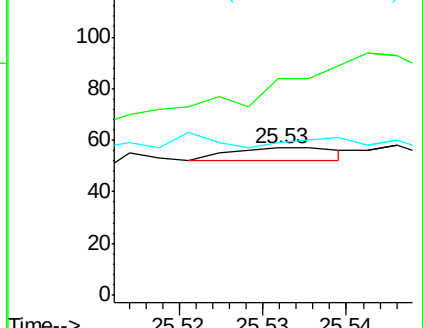
Tot	Ion:278	Resp:	4
Ion	Ratio	Lower	Upper
278	100		
139	147.4	16.0	24.0#
279	103.5	20.0	30.0#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#39

Benzo(g,h,i)perylene

Concen: 0.000 ng

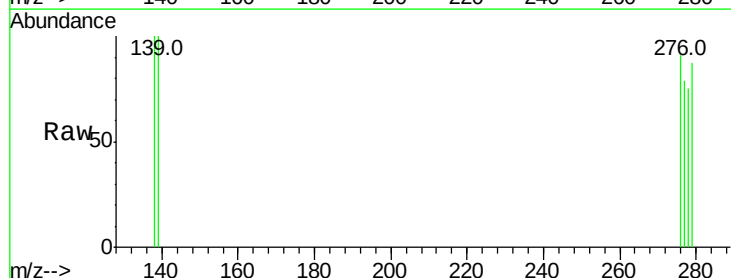
RT: 26.21 min Scan# 3040

Delta R.T. 0.00 min

Lab File: BE097079.D

Acq: 24 Jul 2018 19:42

Tgt	Ion:276	Resp:	4
Ion	Ratio	Lower	Upper
276	100		
277	86.9	16.0	24.0#
138	109.8	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

