

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072618\
 Data File : BE097103.D
 Acq On : 26 Jul 2018 15:22
 Operator : SJ/JU
 Sample : J3762-02
 Misc : LOO 0.2PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 27 03:29:33 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	1097	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	5356	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	3174	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	8936	0.40	ng	0.00
27) Chrysene-d12	20.98	240	6968	0.40	ng	0.00
34) Perylene-d12	23.22	264	5245	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.05	112	915	0.30	ng	0.00
5) Phenol-d6	6.60	99	1252	0.28	ng	0.00
8) Nitrobenzene-d5	8.53	82	1580	0.34	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	2807	0.35	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	259	0.25	ng	0.01
15) 2-Fluorobiphenyl	12.63	172	4219	0.38	ng	0.00
25) Fluoranthene-d10	18.81	212	31221	0.35	ng	0.00
29) Terphenyl-d14	19.43	244	5076	0.38	ng	0.00

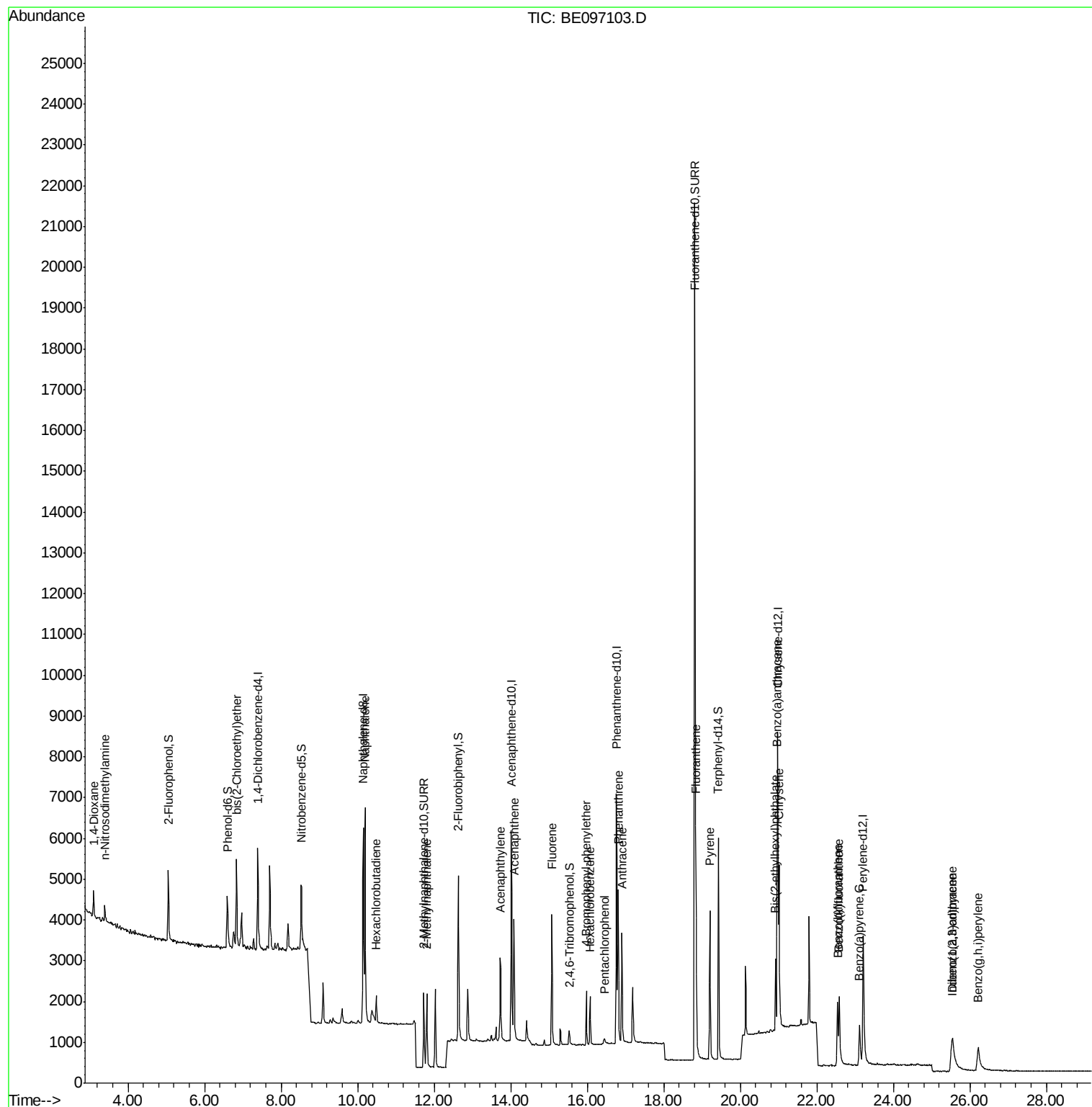
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.09	88	321	0.184	ng	89
3) n-Nitrosodimethylamine	3.38	42	397	0.204	ng	# 77
6) bis(2-Chloroethyl)ether	6.84	93	858	0.208	ng	72
9) Naphthalene	10.20	128	9221	0.192	ng	99
10) Hexachlorobutadiene	10.48	225	442	0.205	ng	95
12) 2-Methylnaphthalene	11.80	142	1472	0.178	ng	97
16) Acenaphthylene	13.73	152	2720	0.191	ng	99
17) Acenaphthene	14.08	154	1597	0.193	ng	# 90
18) Fluorene	15.08	166	1973	0.180	ng	# 77
20) 4-Bromophenyl-phenylether	15.97	248	780	0.180	ng	# 77
21) Hexachlorobenzene	16.08	284	950	0.204	ng	# 84
22) Pentachlorophenol	16.45	266	141	0.160	ng	91
23) Phenanthrene	16.81	178	3956	0.186	ng	97
24) Anthracene	16.91	178	3159	0.166	ng	95
26) Fluoranthene	18.84	202	4110	0.172	ng	98
28) Pyrene	19.21	202	3727	0.195	ng	99
30) Benzo(a)anthracene	20.97	228	2720	0.157	ng	97
31) Chrysene	21.01	228	3566	0.192	ng	98
32) Bis(2-ethylhexyl)phthalate	20.92	149	2525	0.136	ng	99
33) Indeno(1,2,3-cd)pyrene	25.52	276	686	0.041	ng	# 54
35) Benzo(b)fluoranthene	22.54	252	2320	0.174	ng	# 94
36) Benzo(k)fluoranthene	22.59	252	2930	0.189	ng	# 89
37) Benzo(a)pyrene	23.12	252	1994	0.159	ng	# 85
38) Dibenzo(a,h)anthracene	25.55	278	1599	0.128	ng	# 81
39) Benzo(g,h,i)perylene	26.22	276	1914	0.144	ng	# 86

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

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Misc : LOO 0.2PPM
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Jul 26 17:21:12 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



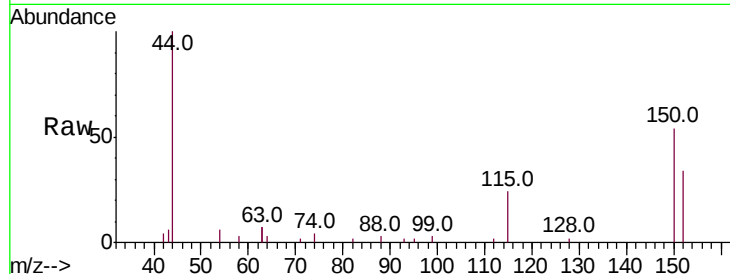


#1

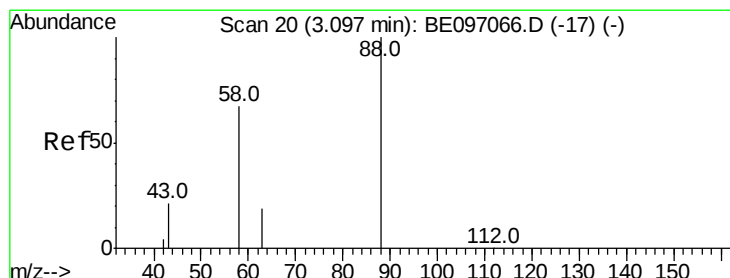
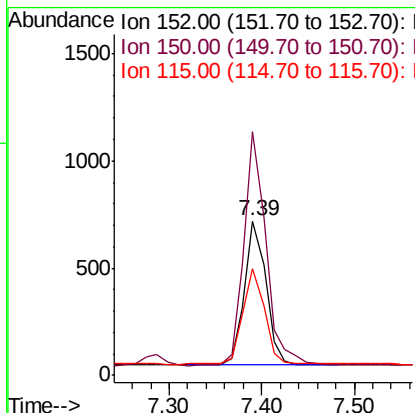
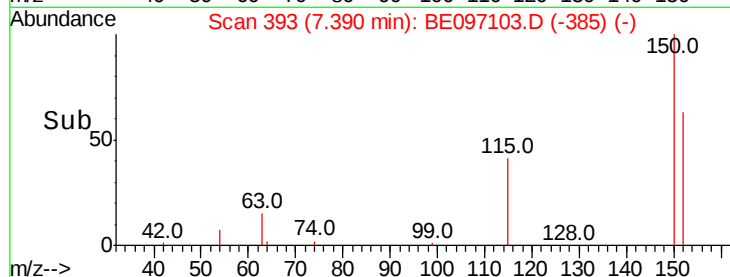
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. -0.00 min
Lab File: BE097103.D
Acq: 26 Jul 2018 15:22

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 1097
Ion Ratio Lower Upper
152 100
150 157.6 117.2 175.8
115 68.8 57.0 85.6



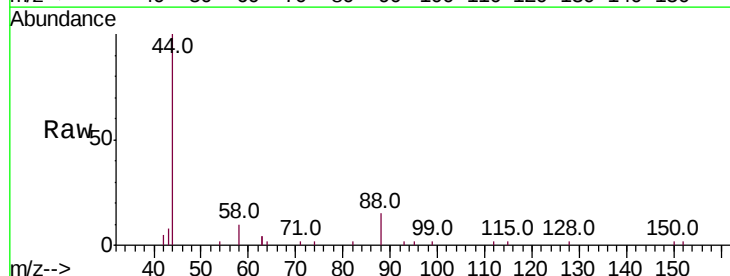
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



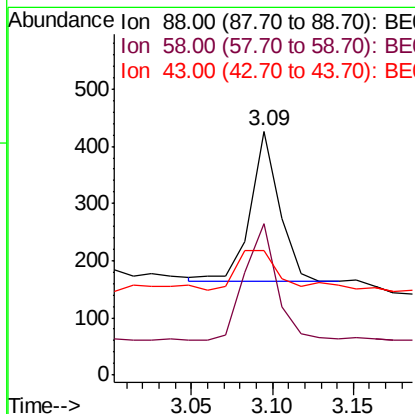
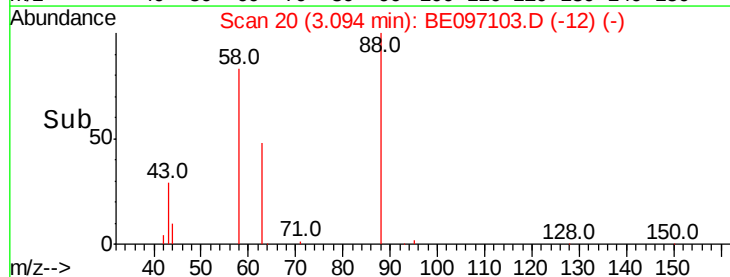
#2

1,4-Dioxane
Concen: 0.184 ng
RT: 3.09 min Scan# 20
Delta R.T. -0.00 min
Lab File: BE097103.D
Acq: 26 Jul 2018 15:22

Tgt Ion: 88 Resp: 321
Ion Ratio Lower Upper
88 100
58 87.5 63.2 94.8
43 41.7 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





#3

n-Nitrosodimethylamine

Concen: 0.204 ng

RT: 3.38 min Scan# 45

Delta R.T. -0.00 min

Lab File: BE097103.D

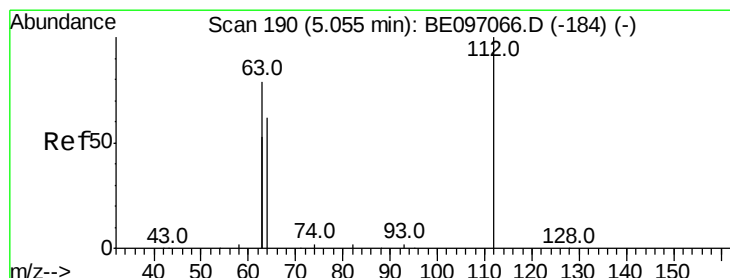
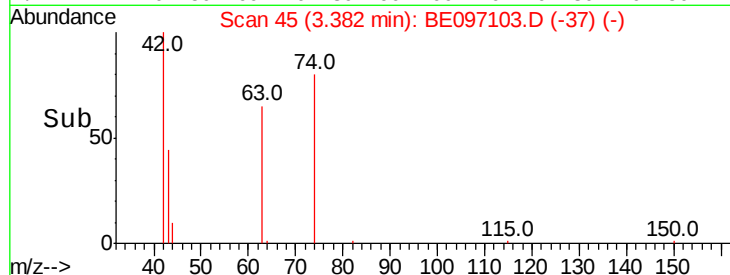
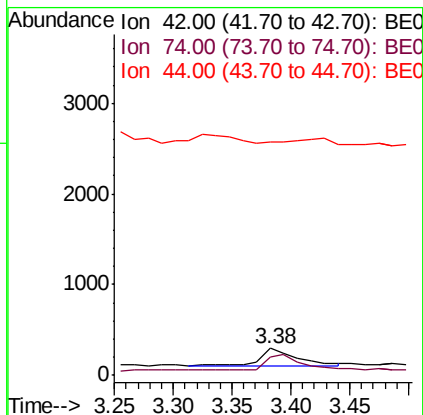
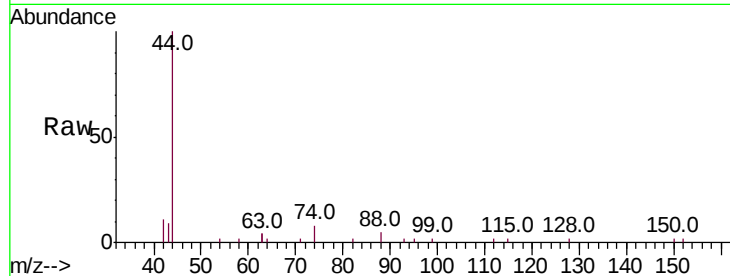
Acq: 26 Jul 2018 15:22

Instrument :

BNA_E

ClientSampleId :

Tot Ion:	42	Resp:	397
Ion	Ratio	Lower	Upper
42	100		
74	96.0	96.0	144.0#
44	0.0	12.0	18.0#



#4

2-Fluorophenol

Concen: 0.297 ng

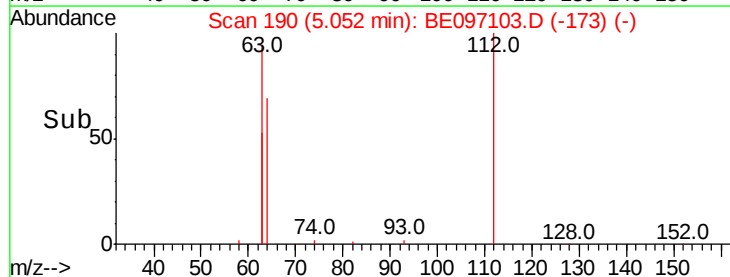
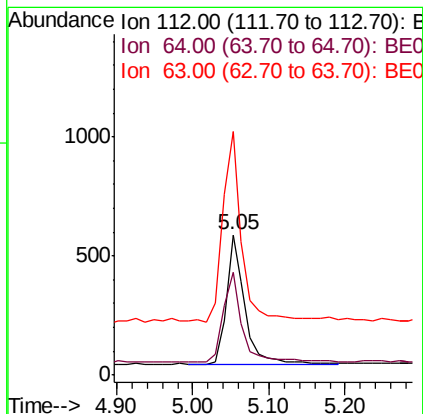
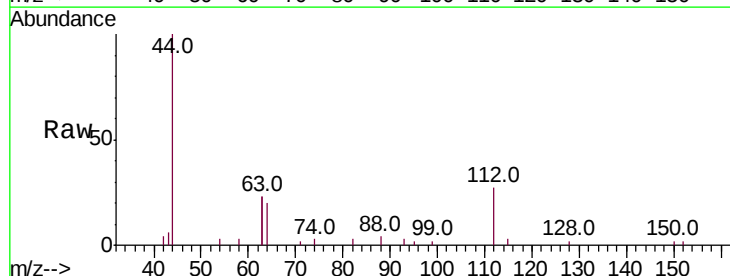
RT: 5.05 min Scan# 190

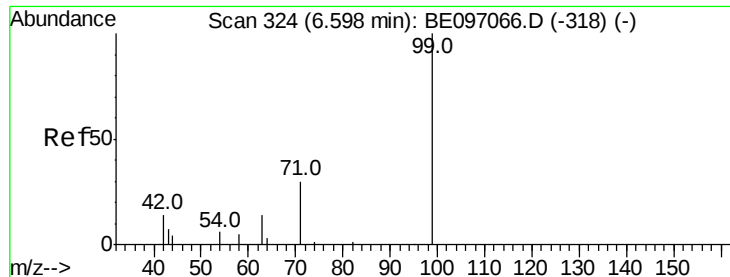
Delta R.T. -0.00 min

Lab File: BE097103.D

Acq: 26 Jul 2018 15:22

Tgt Ion:	112	Resp:	915
Ion	Ratio	Lower	Upper
112	100		
64	72.6	60.1	90.1
63	145.8	116.8	175.2





#5

Phenol-d6

Concen: 0.277 ng

RT: 6.60 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097103.D

Acq: 26 Jul 2018 15:22

Instrument :

BNA_E

ClientSampleId :

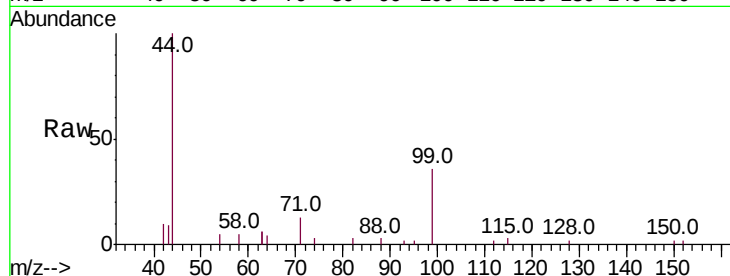
Tot Ion: 99 Resp: 1252

Ion Ratio Lower Upper

99 100

42 24.7 20.2 30.2

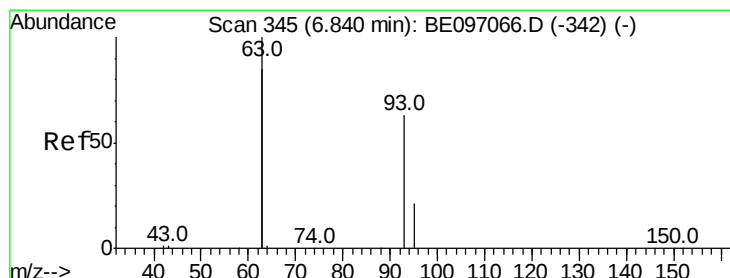
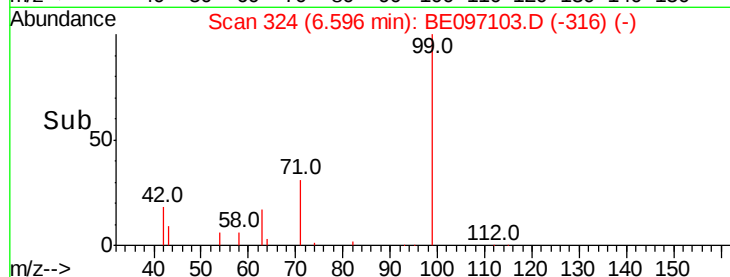
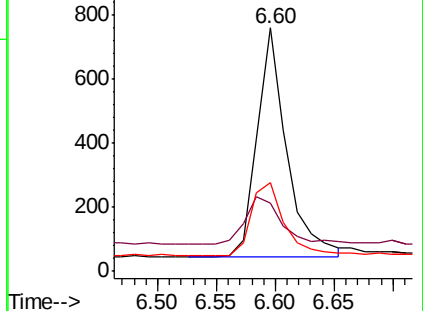
71 36.7 28.4 42.6



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



#6

bis(2-Chloroethyl)ether

Concen: 0.208 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE097103.D

Acq: 26 Jul 2018 15:22

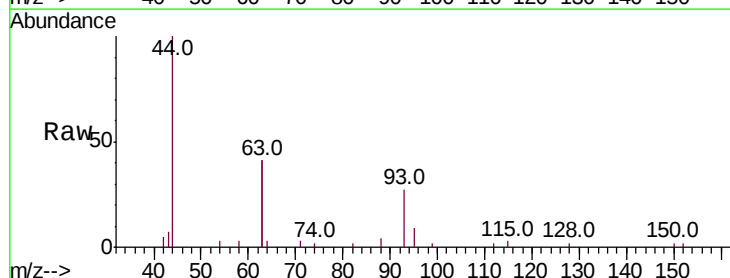
Tgt Ion: 93 Resp: 858

Ion Ratio Lower Upper

93 100

63 279.0 275.3 412.9

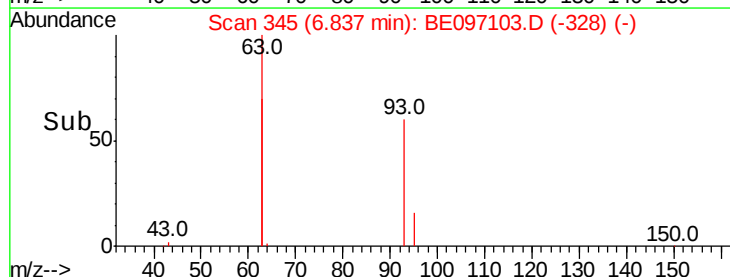
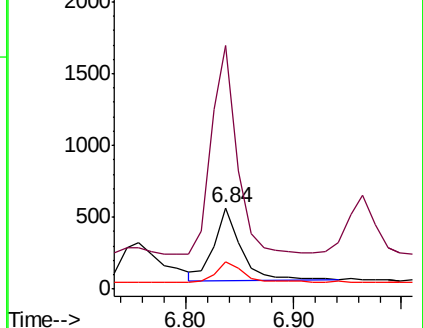
95 28.3 25.2 37.8



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





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE097103.D

Acq: 26 Jul 2018 15:22

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 5356

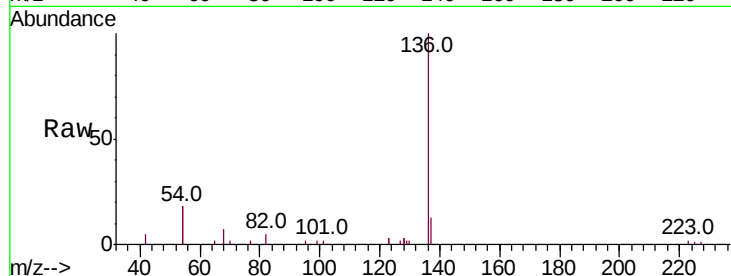
Ion Ratio Lower Upper

136 100

137 12.5 9.5 14.3

54 36.4 29.1 43.7

68 6.9 6.2 9.2

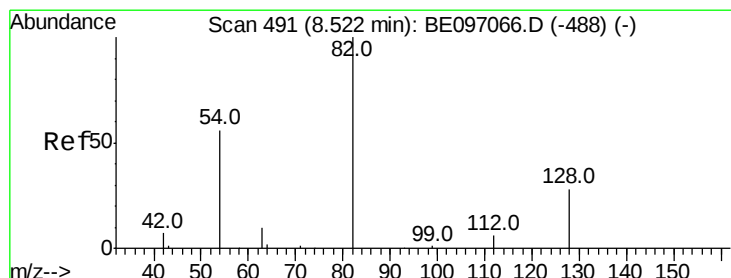
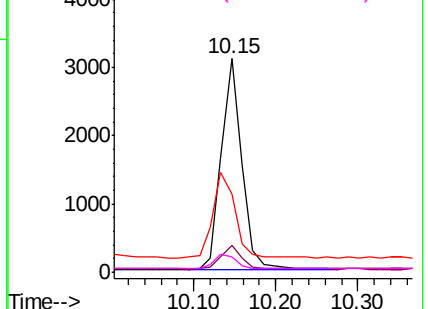
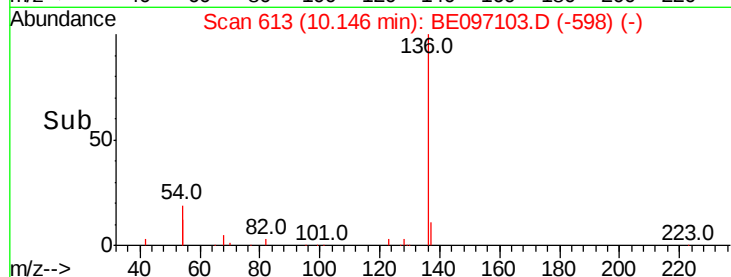


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.340 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE097103.D

Acq: 26 Jul 2018 15:22

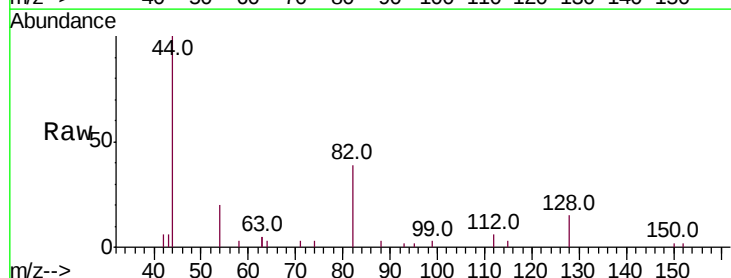
Tgt Ion: 82 Resp: 1580

Ion Ratio Lower Upper

82 100

128 39.9 24.0 36.0#

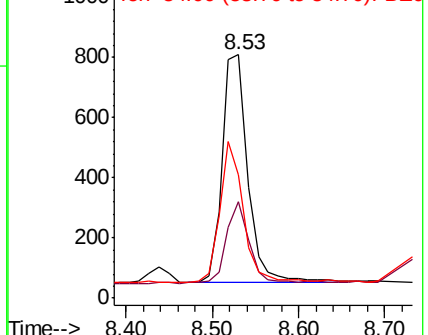
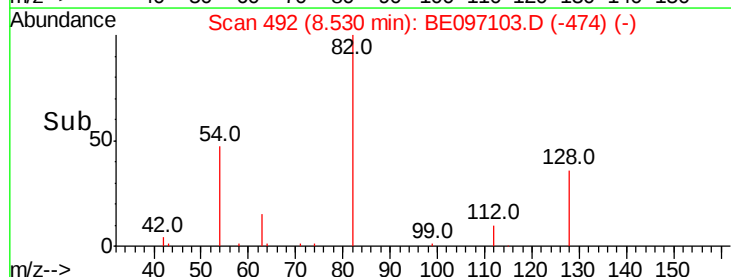
54 50.5 40.0 60.0

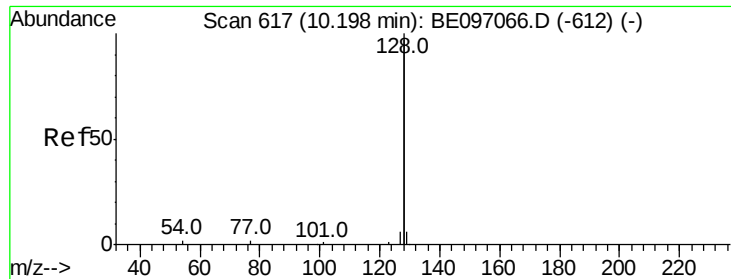


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.192 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.00 min

Lab File: BE097103.D

Acq: 26 Jul 2018 15:22

Instrument :

BNA_E

ClientSampleId :

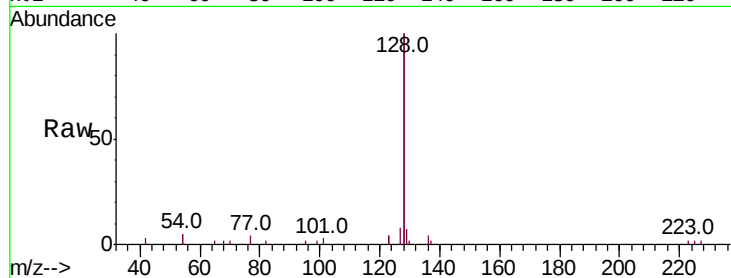
Tot Ion:128 Resp: 9221

Ion Ratio Lower Upper

128 100

129 3.6 2.6 3.8

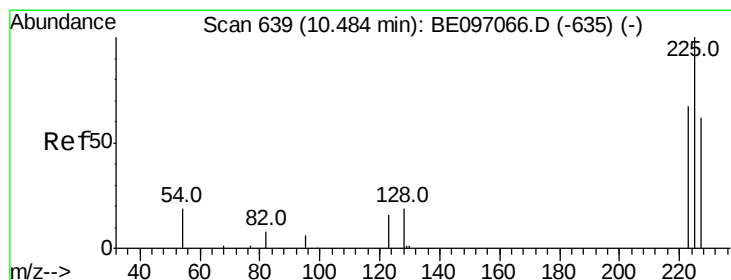
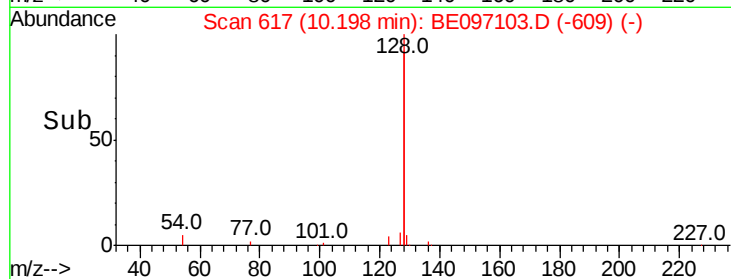
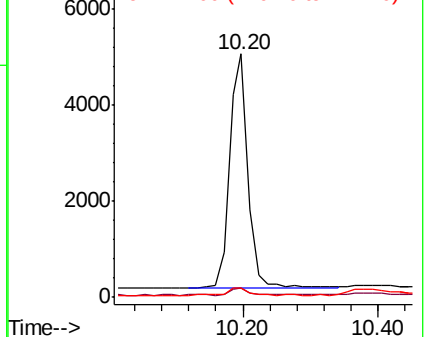
127 3.8 2.8 4.2



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: 0.205 ng

RT: 10.48 min Scan# 639

Delta R.T. 0.00 min

Lab File: BE097103.D

Acq: 26 Jul 2018 15:22

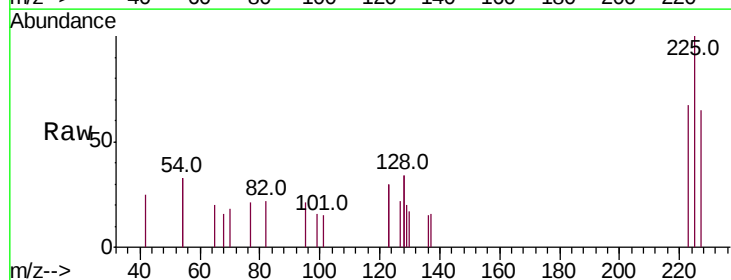
Tgt Ion:225 Resp: 442

Ion Ratio Lower Upper

225 100

223 61.1 53.0 79.6

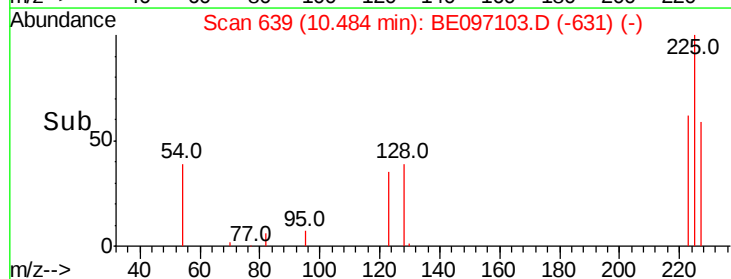
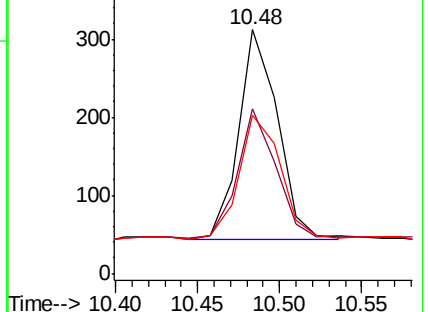
227 62.0 51.4 77.2

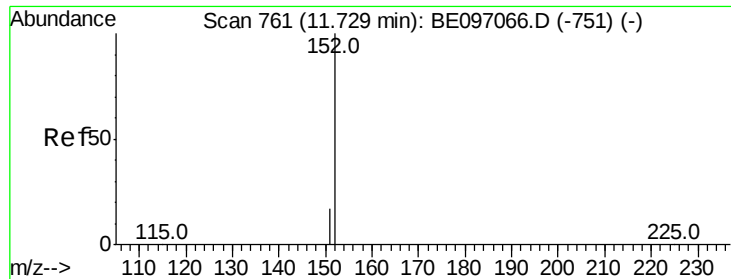


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.350 ng

RT: 11.73 min Scan# 761

Delta R.T. 0.00 min

Lab File: BE097103.D

Acq: 26 Jul 2018 15:22

Instrument :

BNA_E

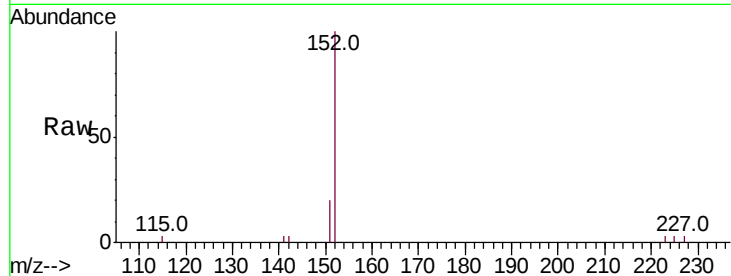
ClientSampleId :

Tot Ion:152 Resp: 2807

Ion Ratio Lower Upper

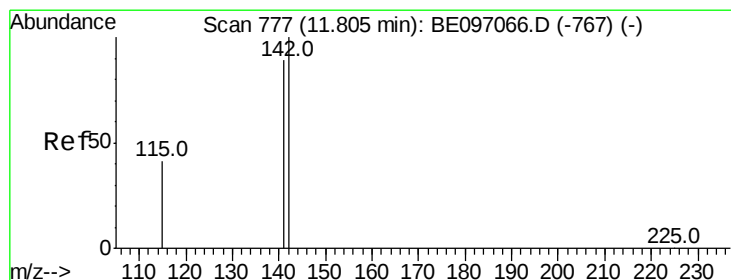
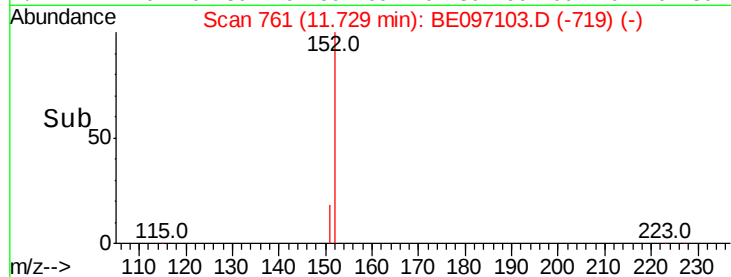
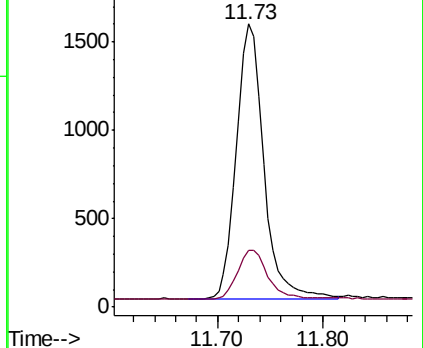
152 100

151 19.9 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: 0.178 ng

RT: 11.80 min Scan# 777

Delta R.T. 0.00 min

Lab File: BE097103.D

Acq: 26 Jul 2018 15:22

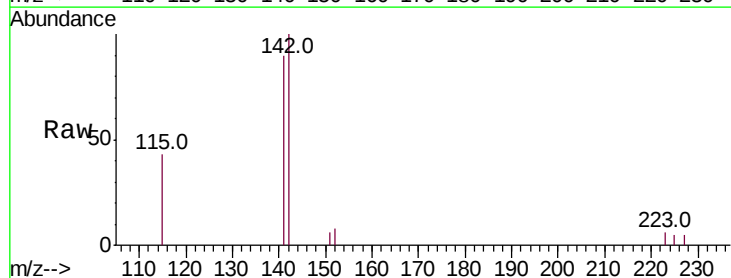
Tgt Ion:142 Resp: 1472

Ion Ratio Lower Upper

142 100

141 90.3 70.4 105.6

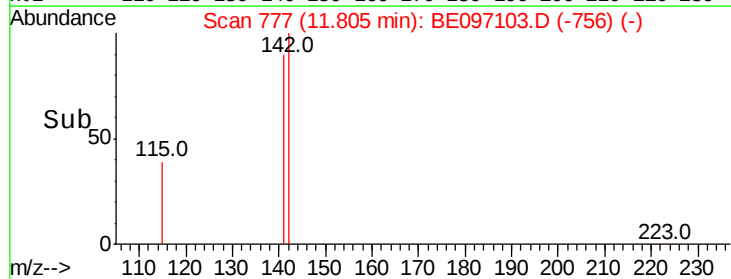
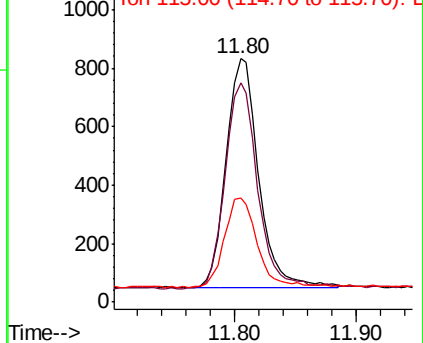
115 43.0 31.7 47.5



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





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BE097103.D

Acq: 26 Jul 2018 15:22

Instrument :

BNA_E

ClientSampled :

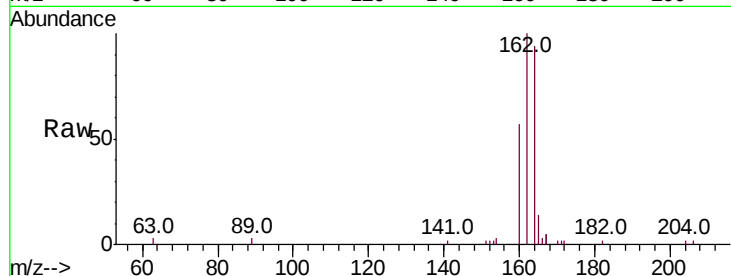
Tot Ion:164 Resp: 3174

Ion Ratio Lower Upper

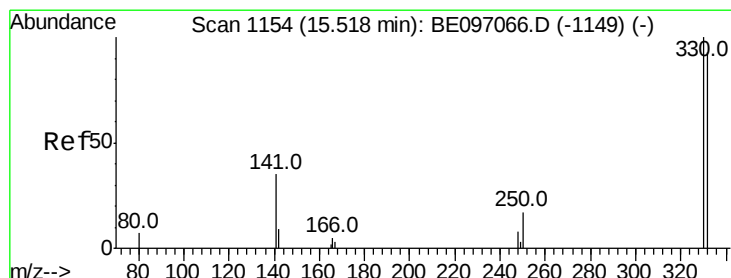
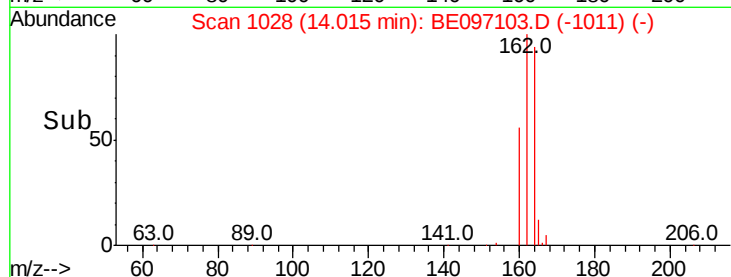
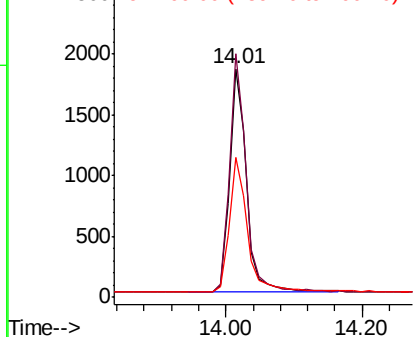
164 100

162 106.5 83.1 124.7

160 61.2 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: 0.248 ng

RT: 15.53 min Scan# 1155

Delta R.T. 0.01 min

Lab File: BE097103.D

Acq: 26 Jul 2018 15:22

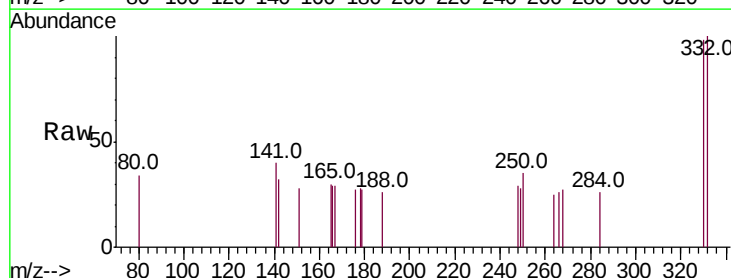
Tgt Ion:330 Resp: 259

Ion Ratio Lower Upper

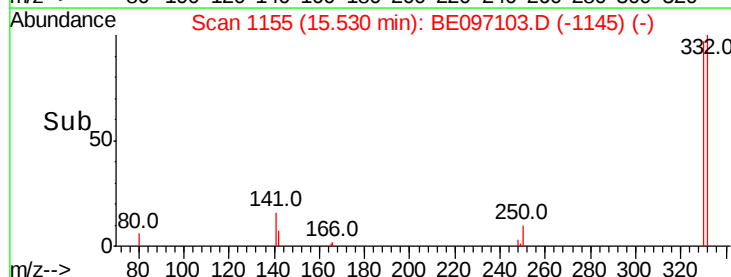
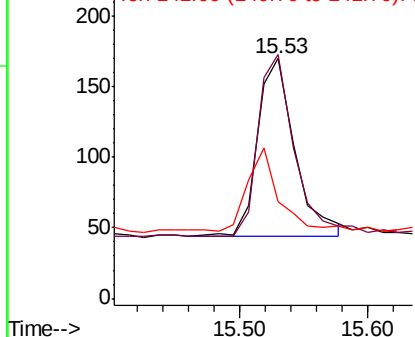
330 100

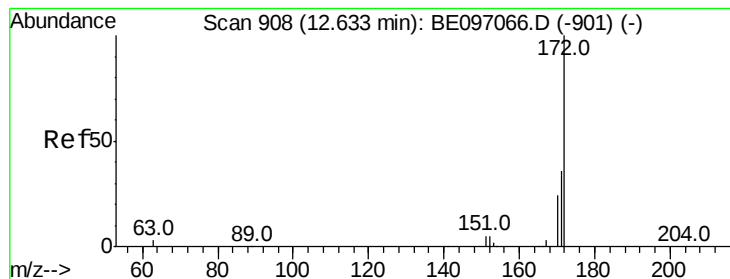
332 98.5 152.7 229.1#

141 37.1 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

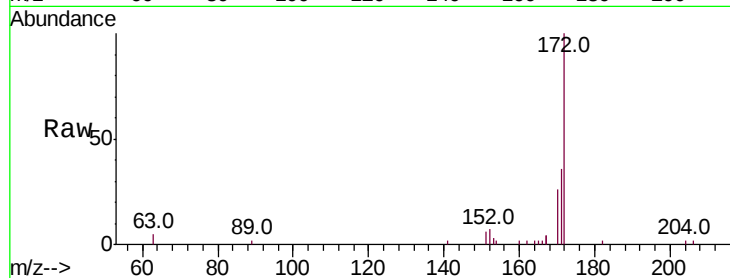




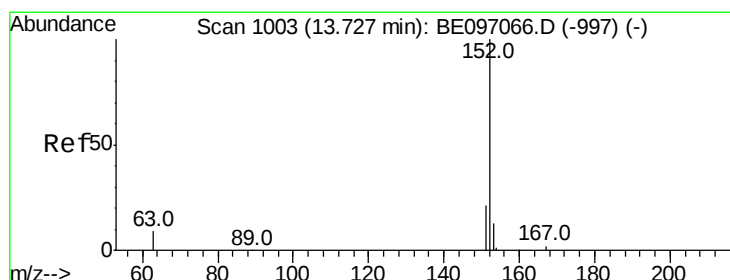
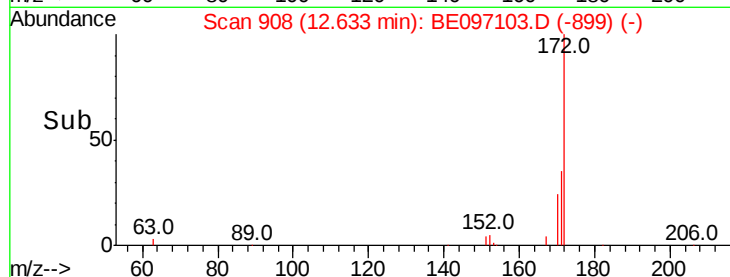
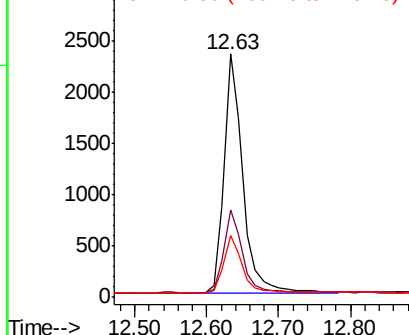
#15
2-Fluorobiphenyl
Concen: 0.385 ng
RT: 12.63 min Scan# 908
Delta R.T. 0.00 min
Lab File: BE097103.D
Acq: 26 Jul 2018 15:22

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 4219
Ion Ratio Lower Upper
172 100
171 36.0 29.9 44.9
170 25.7 21.8 32.8

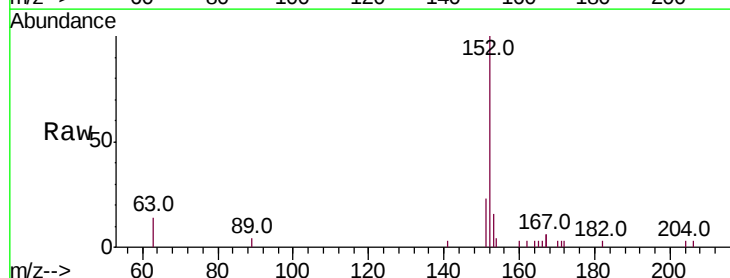


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

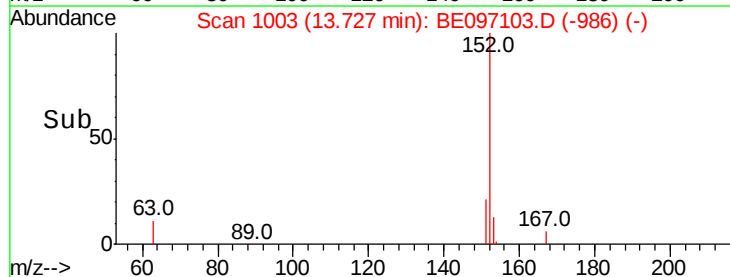
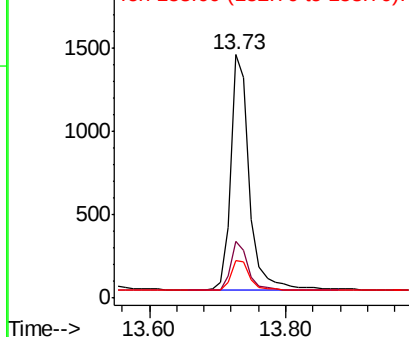


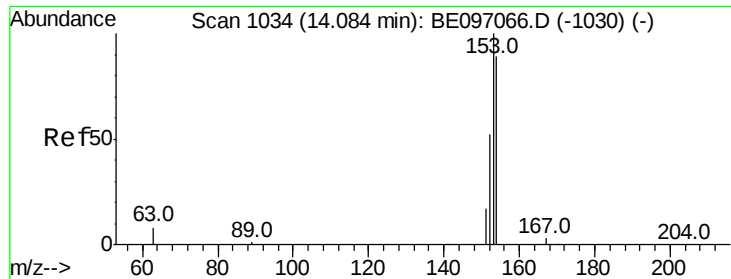
#16
Acenaphthylene
Concen: 0.191 ng
RT: 13.73 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BE097103.D
Acq: 26 Jul 2018 15:22

Tgt Ion:152 Resp: 2720
Ion Ratio Lower Upper
152 100
151 20.2 15.7 23.5
153 13.3 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: 0.193 ng

RT: 14.08 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BE097103.D

Acq: 26 Jul 2018 15:22

Instrument :

BNA_E

ClientSampled :

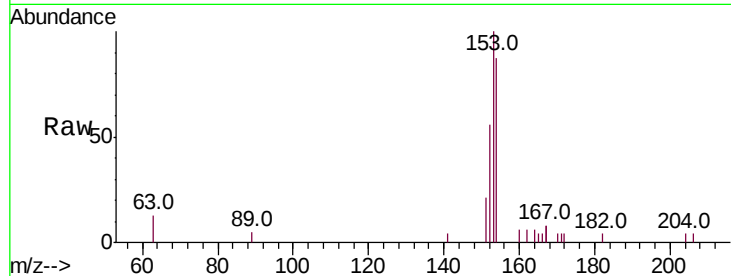
Tot Ion:154 Resp: 1597

Ion Ratio Lower Upper

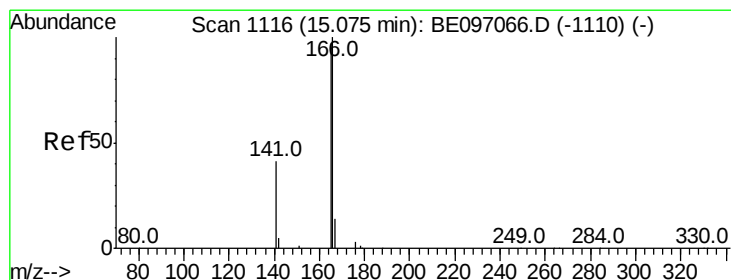
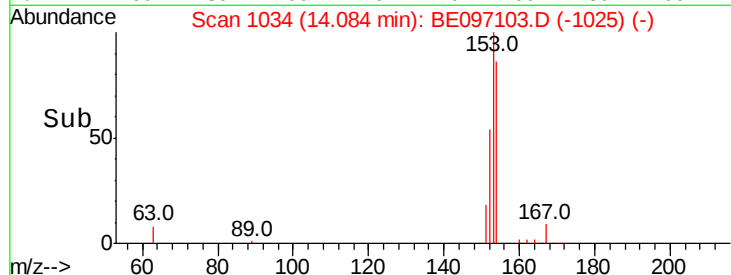
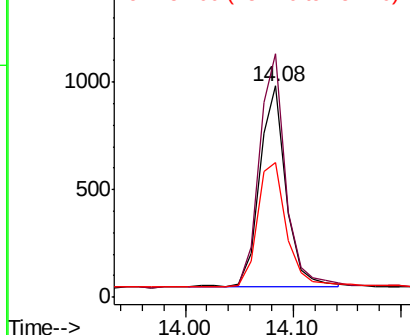
154 100

153 115.3 89.2 133.8

152 68.4 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: 0.180 ng

RT: 15.08 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE097103.D

Acq: 26 Jul 2018 15:22

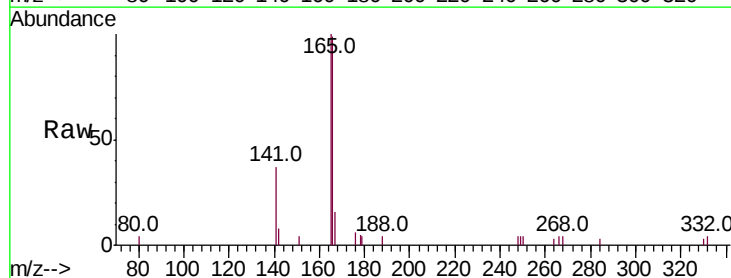
Tgt Ion:166 Resp: 1973

Ion Ratio Lower Upper

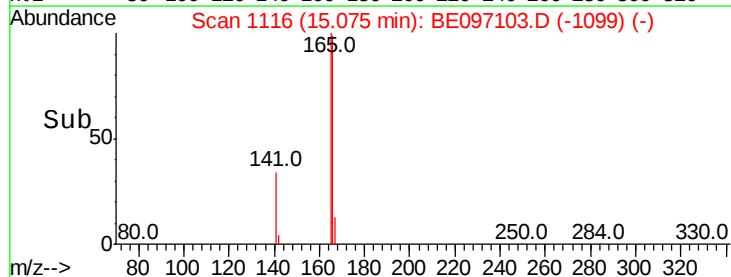
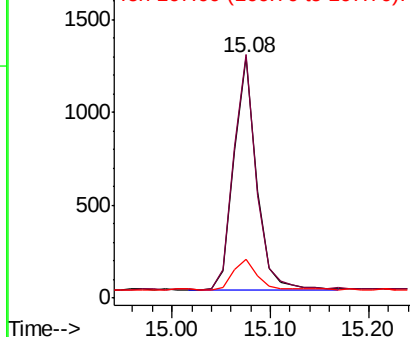
166 100

165 102.8 77.8 116.6

167 14.0 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: 16.77 min Scan# 1261

Delta R.T. 0.00 min

Lab File: BE097103.D

Acq: 26 Jul 2018 15:22

Instrument :

BNA_E

ClientSampleId :

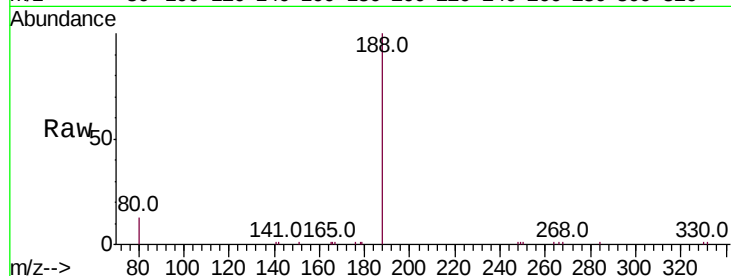
Tot Ion:188 Resp: 8936

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

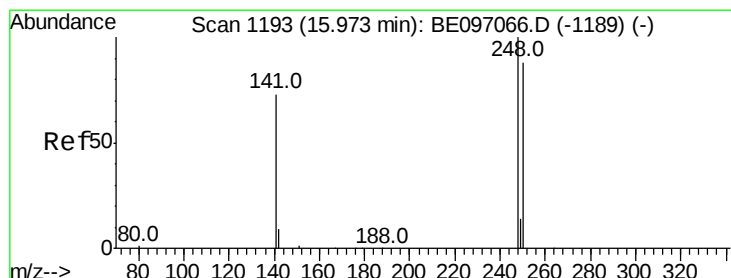
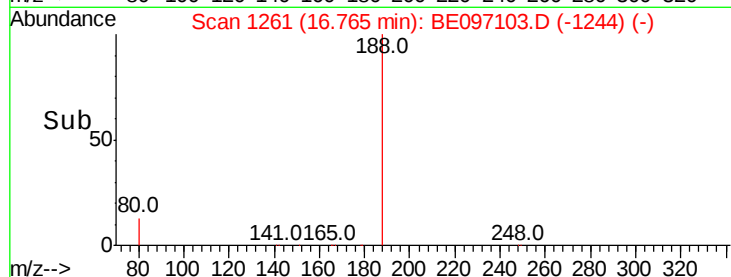
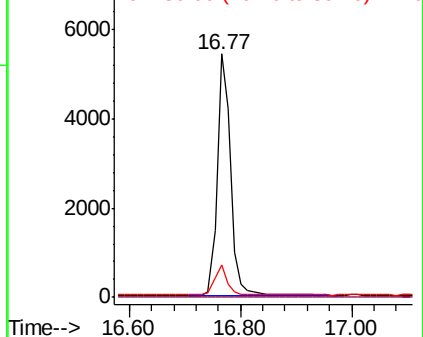
80 13.5 3.6 5.4#



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: 0.180 ng

RT: 15.97 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BE097103.D

Acq: 26 Jul 2018 15:22

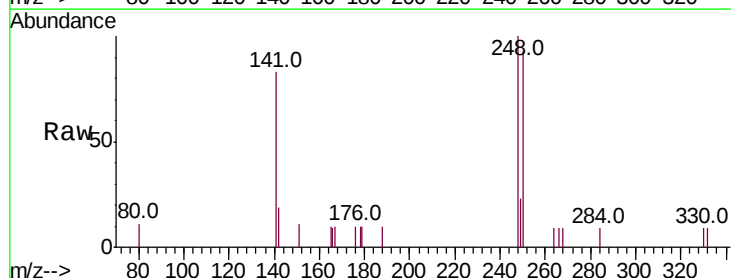
Tgt Ion:248 Resp: 780

Ion Ratio Lower Upper

248 100

250 93.4 62.7 94.1

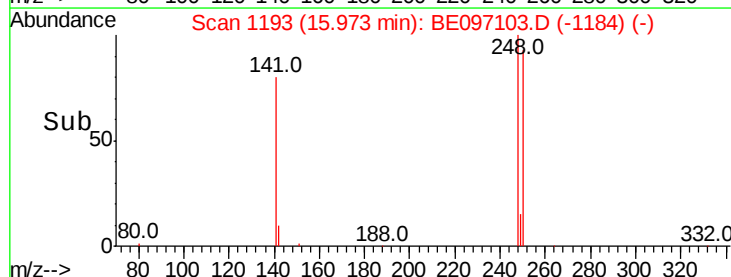
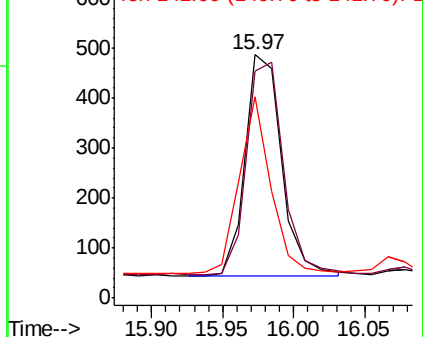
141 82.8 48.2 72.2#

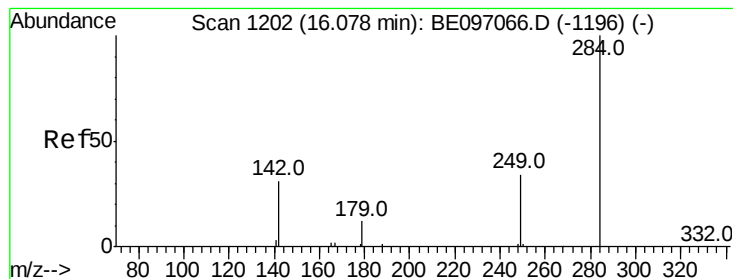


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.204 ng

RT: 16.08 min Scan# 1202

Delta R.T. 0.00 min

Lab File: BE097103.D

Acq: 26 Jul 2018 15:22

Instrument :

BNA_E

ClientSampleId :

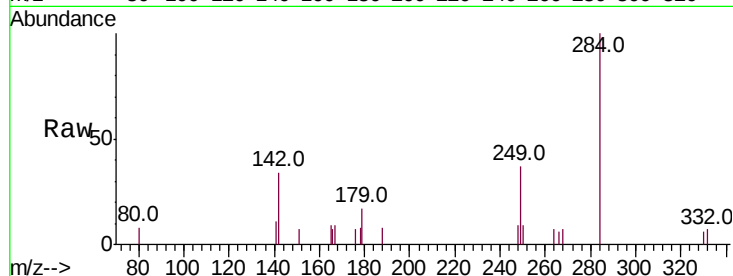
Tot Ion:284 Resp: 950

Ion Ratio Lower Upper

284 100

142 34.0 22.1 33.1#

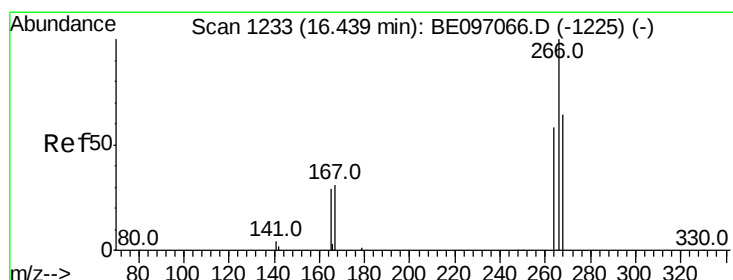
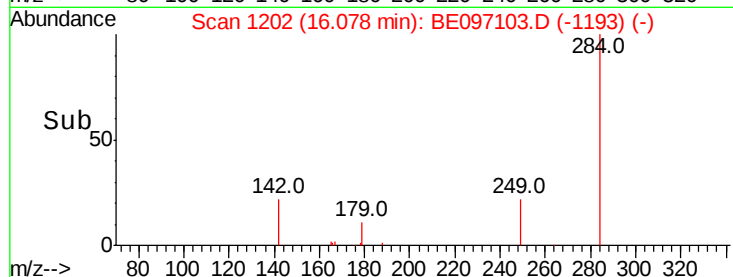
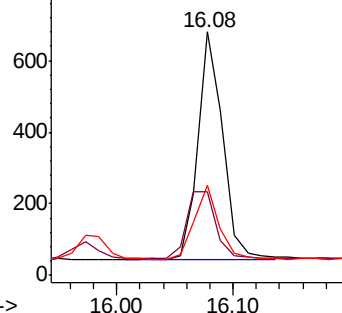
249 31.9 34.8 52.2#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.160 ng

RT: 16.45 min Scan# 1234

Delta R.T. 0.01 min

Lab File: BE097103.D

Acq: 26 Jul 2018 15:22

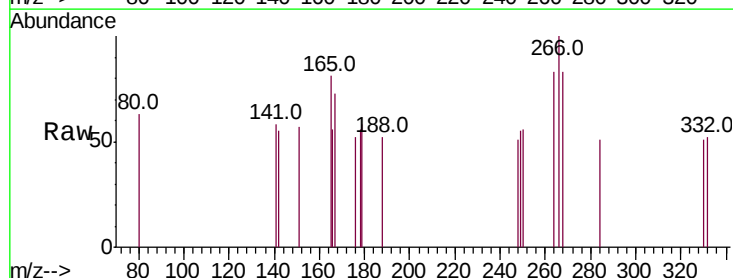
Tgt Ion:266 Resp: 141

Ion Ratio Lower Upper

266 100

264 83.0 72.5 108.7

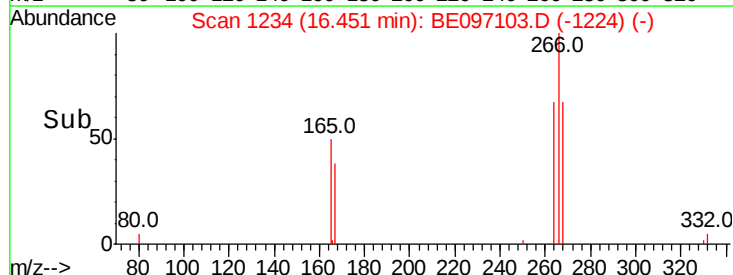
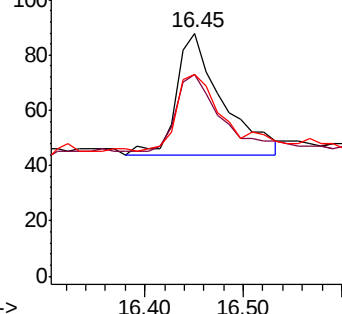
268 83.0 73.8 110.6



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: 0.186 ng

RT: 16.81 min Scan# 1265

Delta R.T. 0.00 min

Lab File: BE097103.D

Acq: 26 Jul 2018 15:22

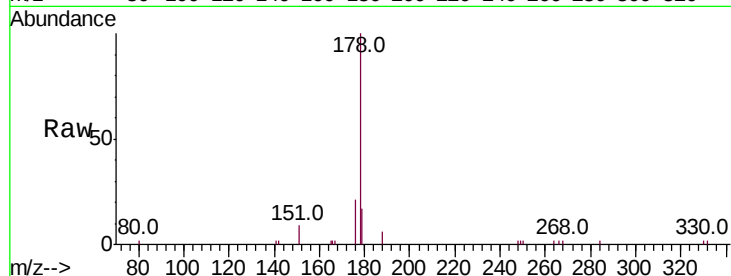
Instrument :

BNA_E

ClientSampleId :

Tot Ion:178 Resp: 3956

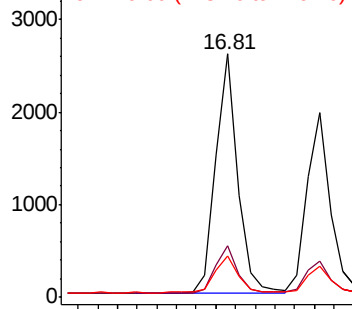
Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.1	22.7
179	16.1	11.8	17.6



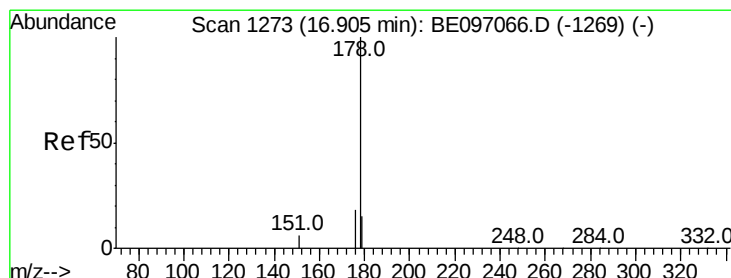
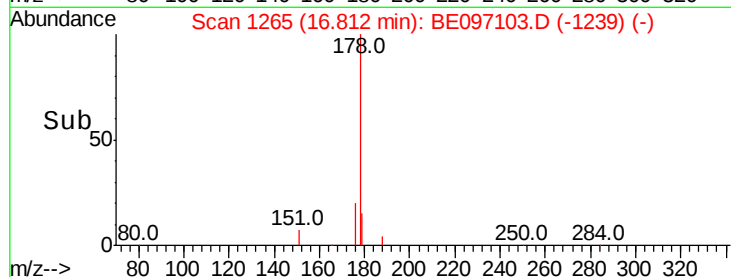
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#24

Anthracene

Concen: 0.166 ng

RT: 16.91 min Scan# 1273

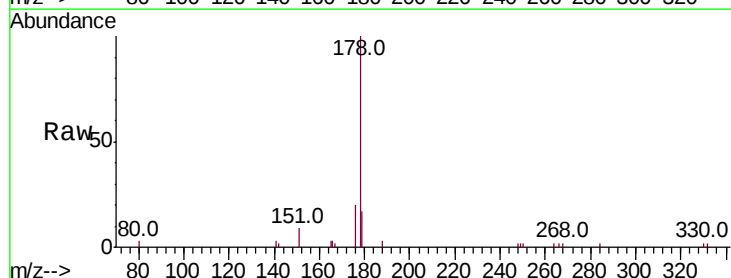
Delta R.T. 0.00 min

Lab File: BE097103.D

Acq: 26 Jul 2018 15:22

Tgt Ion:178 Resp: 3159

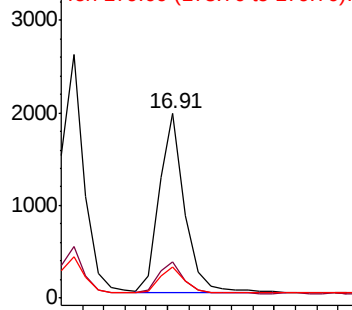
Ion	Ratio	Lower	Upper
178	100		
176	18.4	12.8	19.2
179	14.5	13.0	19.6



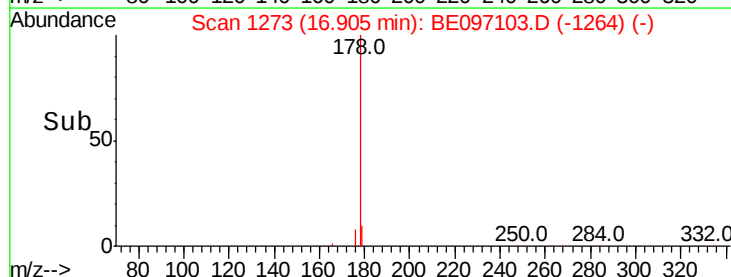
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#25

Fluoranthene-d10

Concen: 0.349 ng

RT: 18.81 min Scan# 1503

Delta R.T. -0.00 min

Lab File: BE097103.D

Acq: 26 Jul 2018 15:22

Instrument :

BNA_E

ClientSampleId :

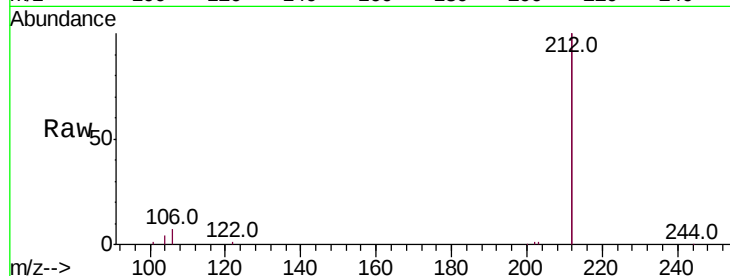
Tot Ion:212 Resp: 31221

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

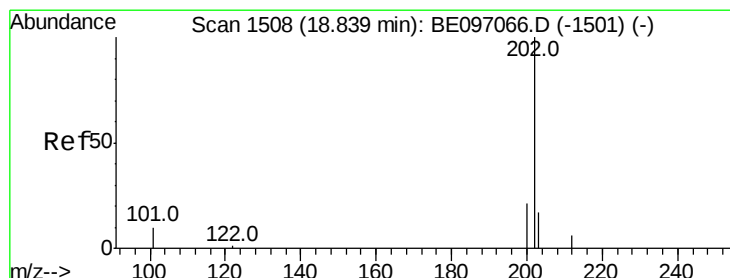
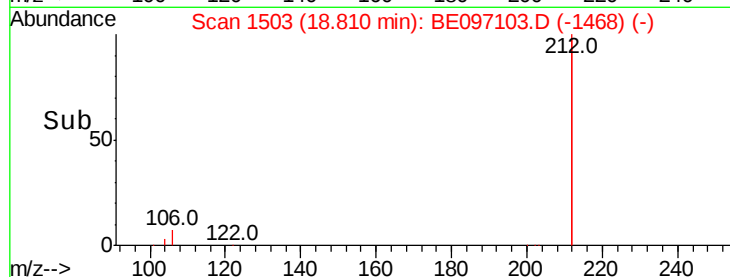
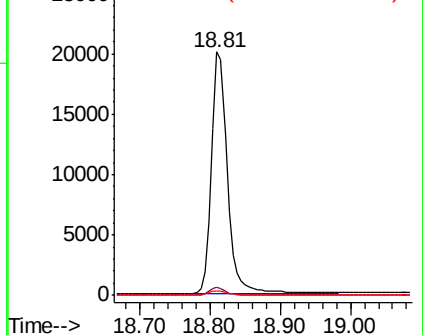
104 1.7 1.6 2.4



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



#26

Fluoranthene

Concen: 0.172 ng

RT: 18.84 min Scan# 1509

Delta R.T. 0.01 min

Lab File: BE097103.D

Acq: 26 Jul 2018 15:22

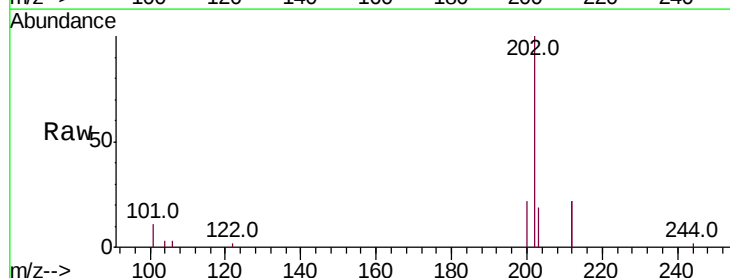
Tgt Ion:202 Resp: 4110

Ion Ratio Lower Upper

202 100

101 10.5 9.8 14.8

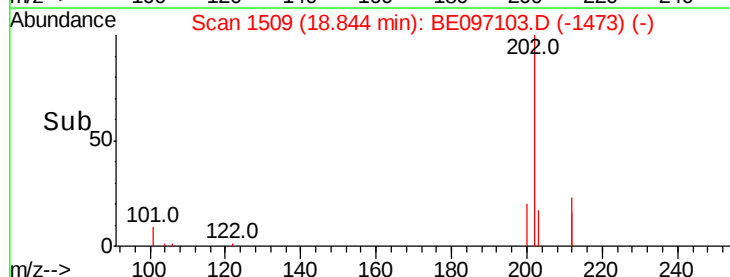
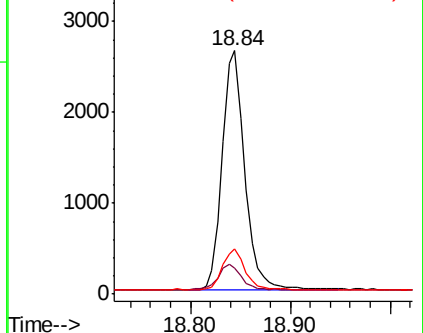
203 16.8 13.7 20.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.98 min Scan# 1788

Delta R.T. -0.00 min

Lab File: BE097103.D

Acq: 26 Jul 2018 15:22

Instrument :

BNA_E

ClientSampleId :

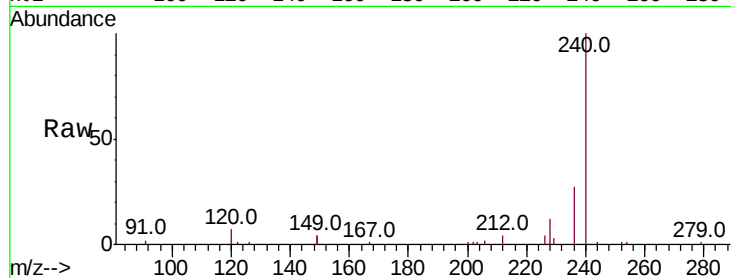
Tot Ion:240 Resp: 6968

Ion Ratio Lower Upper

240 100

120 6.7 5.5 8.3

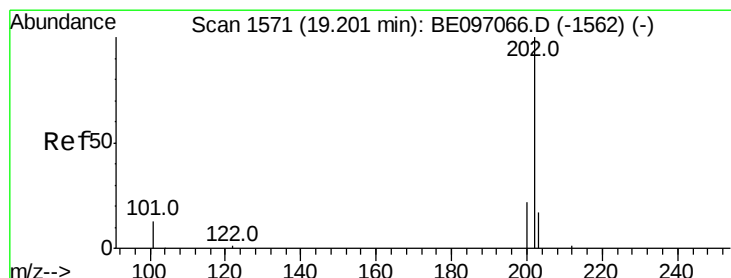
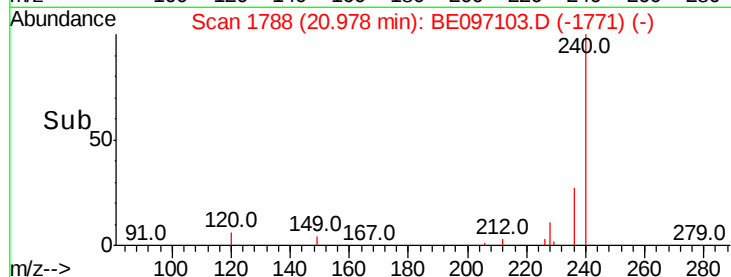
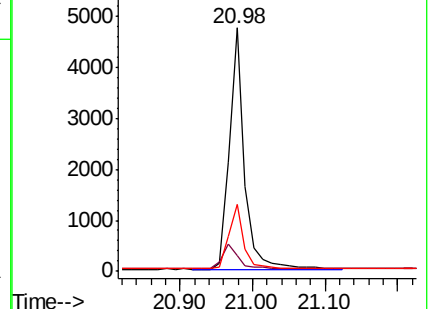
236 27.3 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.195 ng

RT: 19.21 min Scan# 1572

Delta R.T. 0.01 min

Lab File: BE097103.D

Acq: 26 Jul 2018 15:22

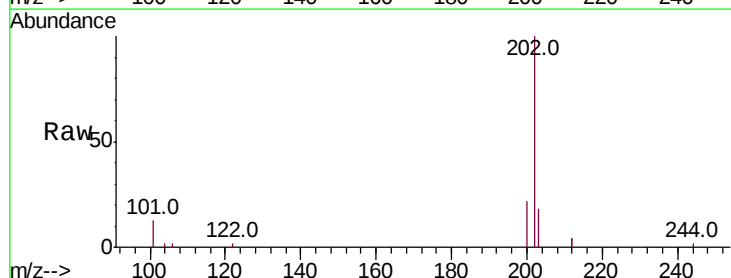
Tgt Ion:202 Resp: 3727

Ion Ratio Lower Upper

202 100

200 21.6 16.6 25.0

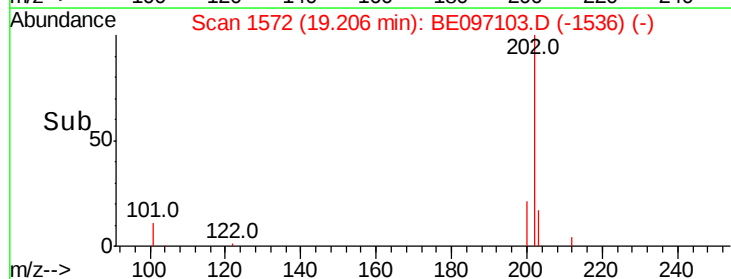
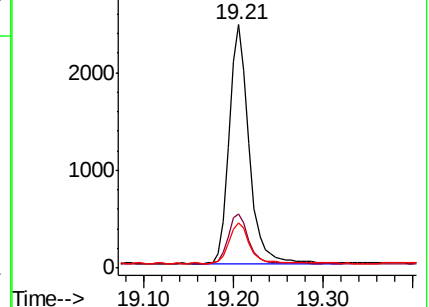
203 17.0 13.8 20.8



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

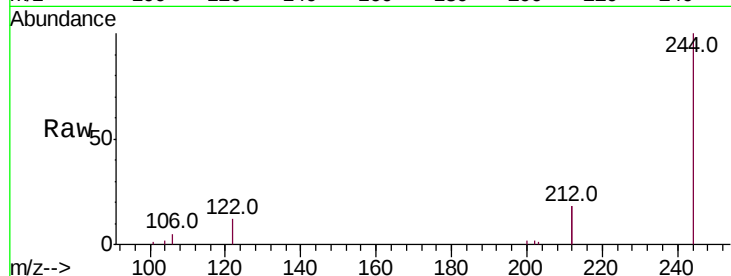




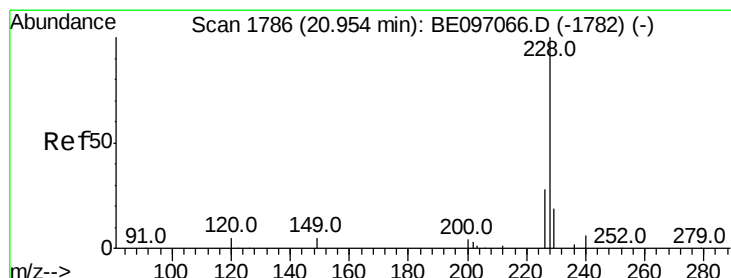
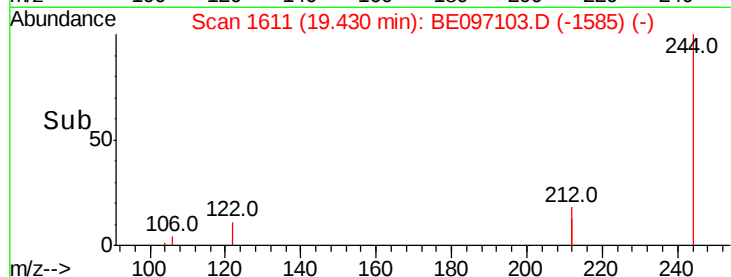
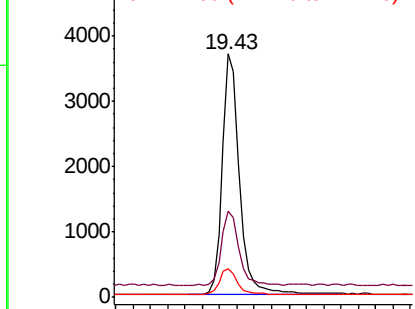
#29
 Terphenyl-d14
 Concen: 0.379 ng
 RT: 19.43 min Scan# 1611
 Delta R.T. -0.00 min
 Lab File: BE097103.D
 Acq: 26 Jul 2018 15:22

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:244 Resp: 5076
 Ion Ratio Lower Upper
 244 100
 212 35.6 25.4 38.0
 122 11.8 8.1 12.1

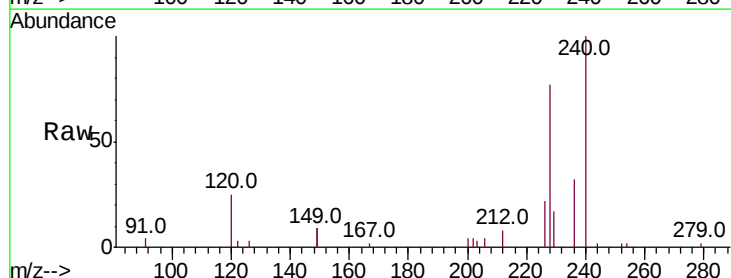


Abundance Ion 244.00 (243.70 to 244.70): E
 5000 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

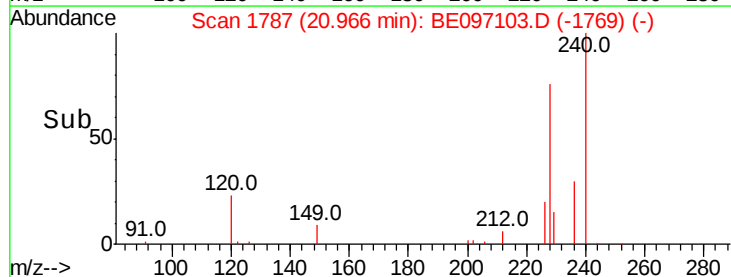
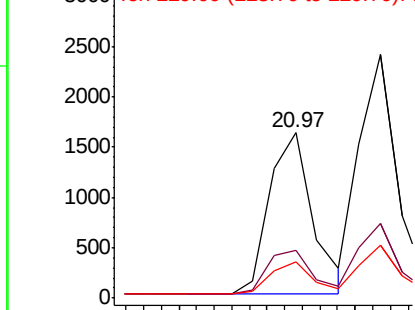


#30
 Benzo(a)anthracene
 Concen: 0.157 ng
 RT: 20.97 min Scan# 1787
 Delta R.T. 0.01 min
 Lab File: BE097103.D
 Acq: 26 Jul 2018 15:22

Tgt Ion:228 Resp: 2720
 Ion Ratio Lower Upper
 228 100
 226 29.0 24.0 36.0
 229 21.6 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.192 ng

RT: 21.01 min Scan# 1791

Delta R.T. -0.00 min

Lab File: BE097103.D

Acq: 26 Jul 2018 15:22

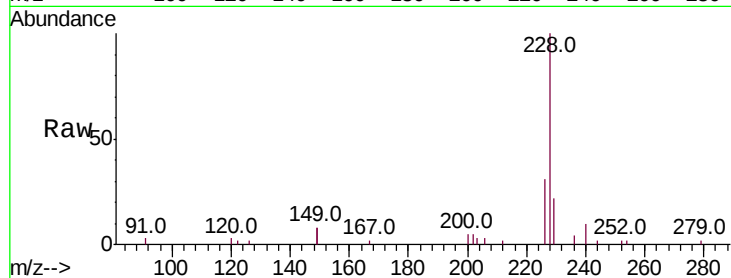
Instrument :

BNA_E

ClientSampleId :

Tot Ion:228 Resp: 3566

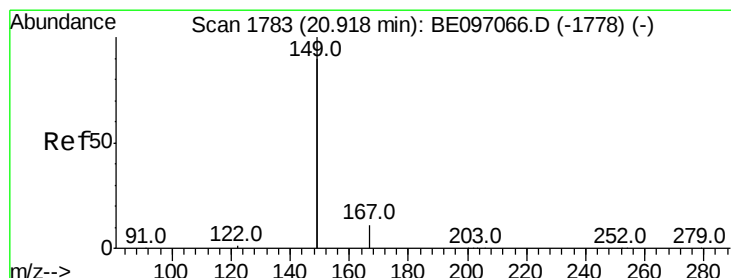
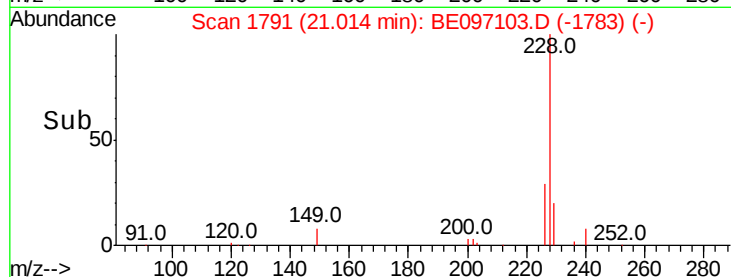
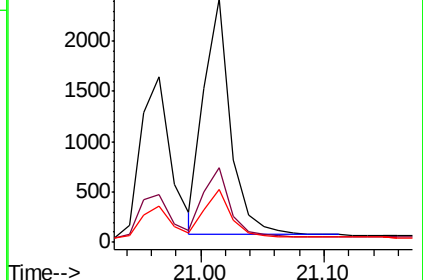
Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.0	36.0
229	21.5	16.0	24.0



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: 0.136 ng

RT: 20.92 min Scan# 1783

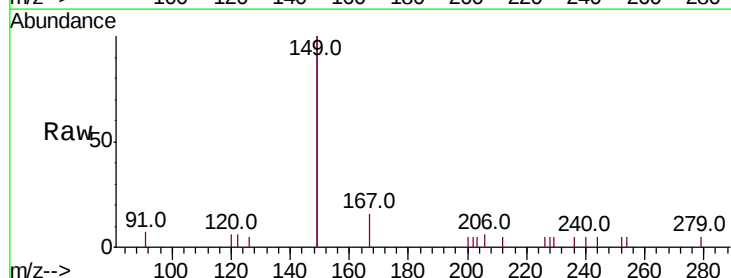
Delta R.T. 0.00 min

Lab File: BE097103.D

Acq: 26 Jul 2018 15:22

Tgt Ion:149 Resp: 2525

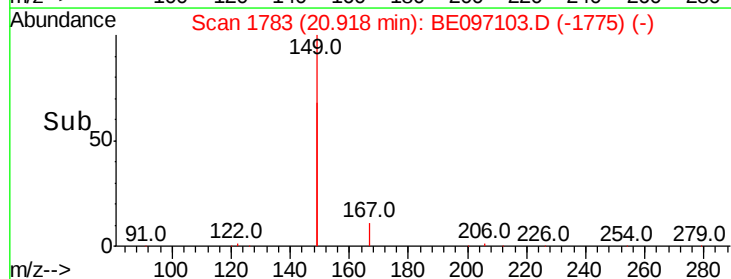
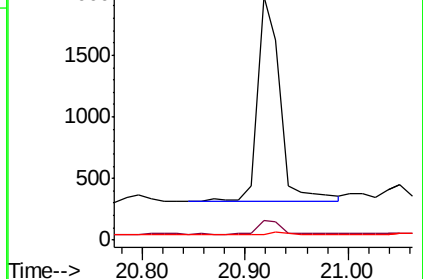
Ion	Ratio	Lower	Upper
149	100		
167	6.4	5.4	8.0
279	1.0	0.7	1.1

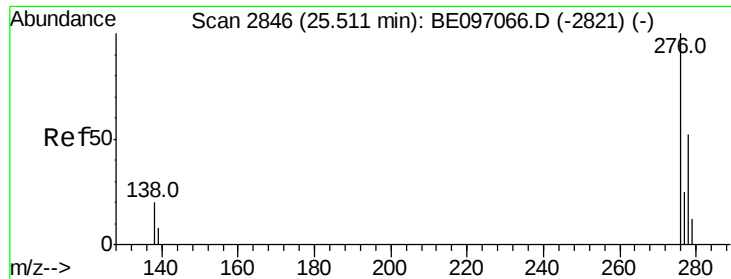


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.041 ng

RT: 25.52 min Scan# 2849

Delta R.T. 0.01 min

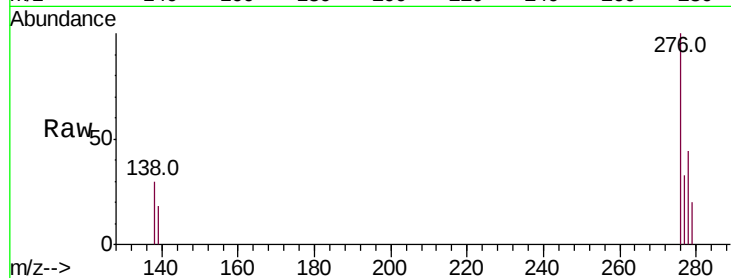
Lab File: BE097103.D

Acq: 26 Jul 2018 15:22

Instrument :

BNA_E

ClientSampleId :



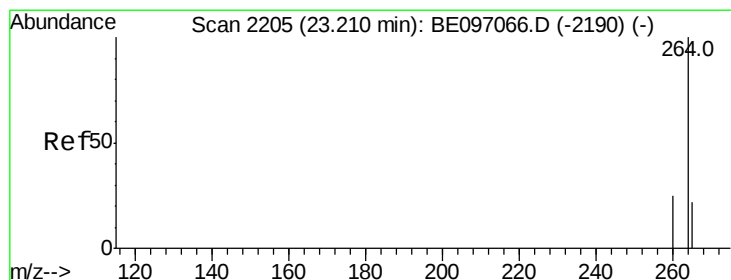
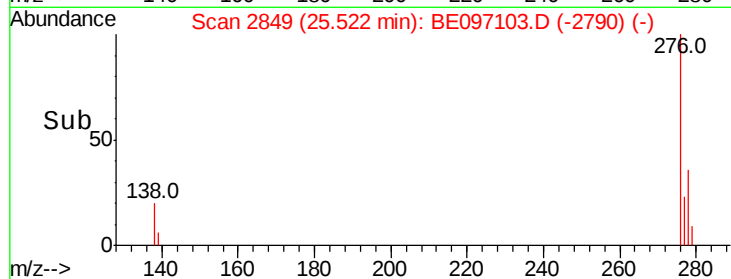
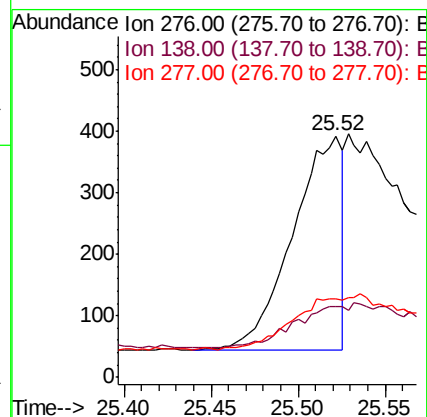
Tot Ion:276 Resp: 686

Ion Ratio Lower Upper

276 100

138 21.4 22.5 33.7#

277 67.2 19.9 29.9#



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.22 min Scan# 2207

Delta R.T. 0.01 min

Lab File: BE097103.D

Acq: 26 Jul 2018 15:22

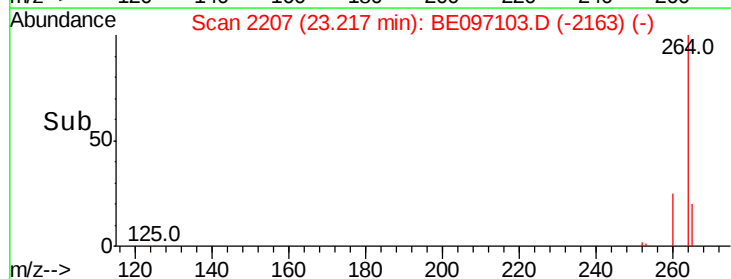
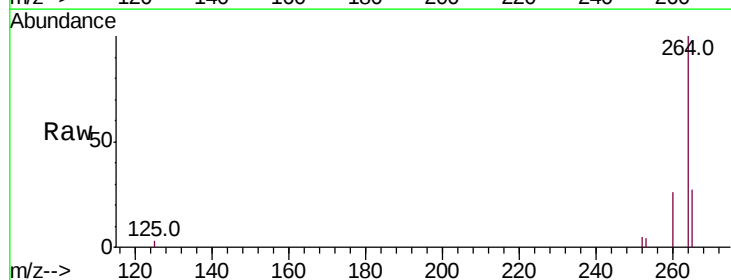
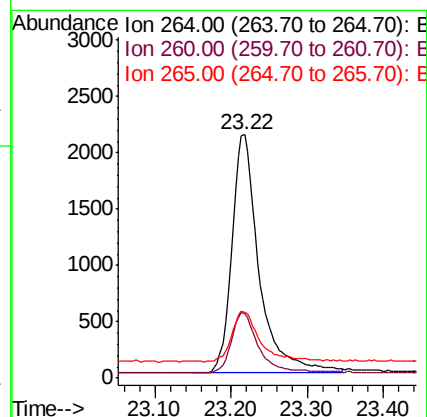
Tgt Ion:264 Resp: 5245

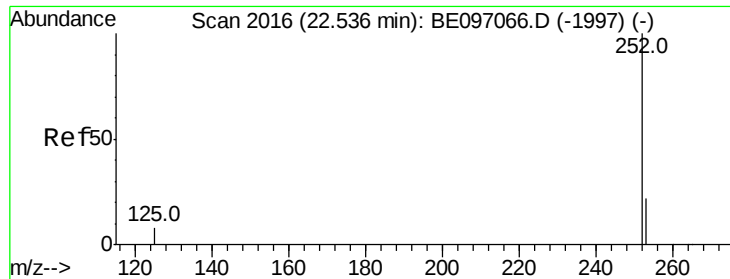
Ion Ratio Lower Upper

264 100

260 26.2 20.5 30.7

265 27.0 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.174 ng

RT: 22.54 min Scan# 2017

Delta R.T. 0.00 min

Lab File: BE097103.D

Acq: 26 Jul 2018 15:22

Instrument :

BNA_E

ClientSampleId :

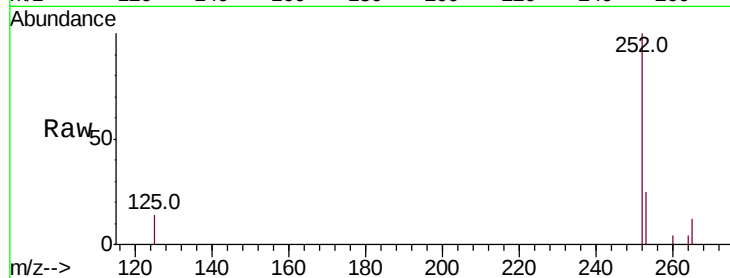
Tot Ion:252 Resp: 2320

Ion Ratio Lower Upper

252 100

253 25.0 20.0 30.0

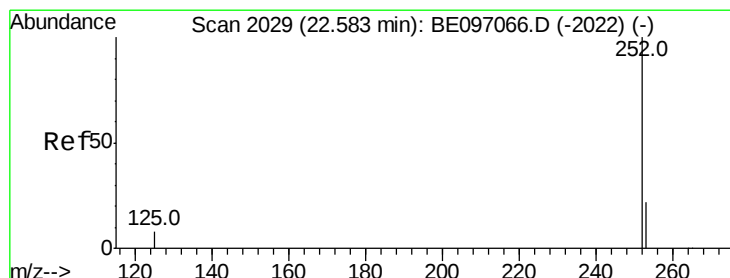
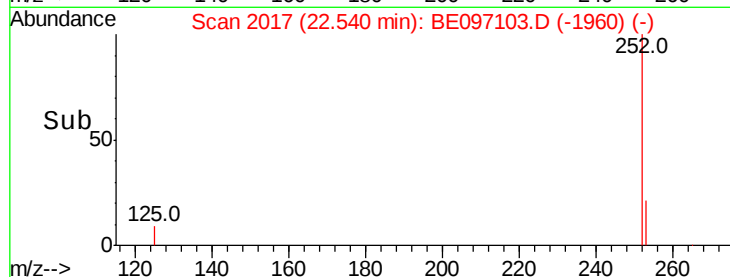
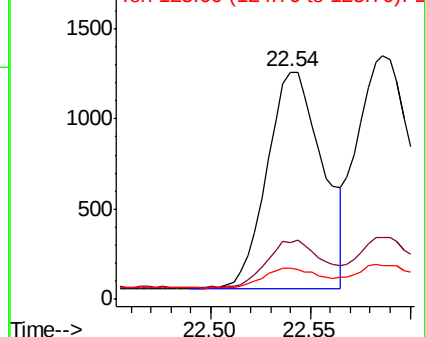
125 13.7 16.0 24.0#



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: 0.189 ng

RT: 22.59 min Scan# 2030

Delta R.T. 0.00 min

Lab File: BE097103.D

Acq: 26 Jul 2018 15:22

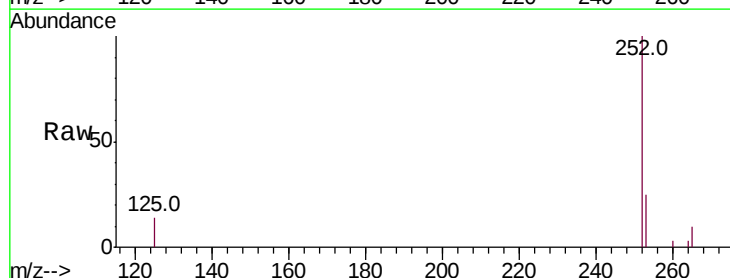
Tgt Ion:252 Resp: 2930

Ion Ratio Lower Upper

252 100

253 25.4 16.0 24.0#

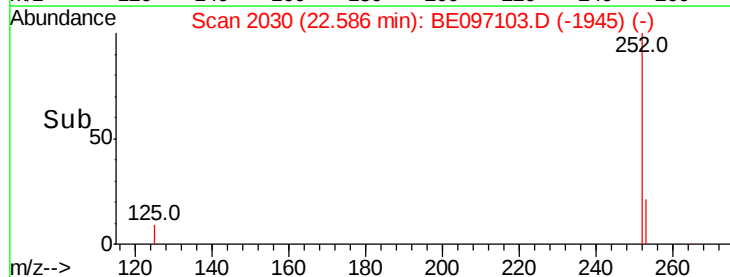
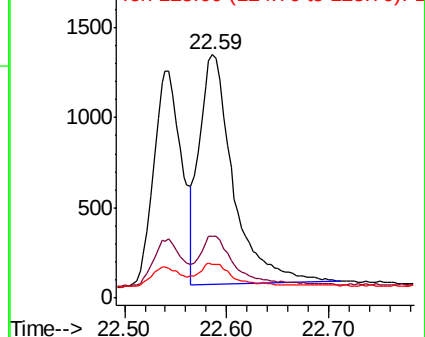
125 14.0 8.0 12.0#



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: 0.159 ng

RT: 23.12 min Scan# 2179

Delta R.T. 0.01 min

Lab File: BE097103.D

Acq: 26 Jul 2018 15:22

Instrument :

BNA_E

ClientSampleId :

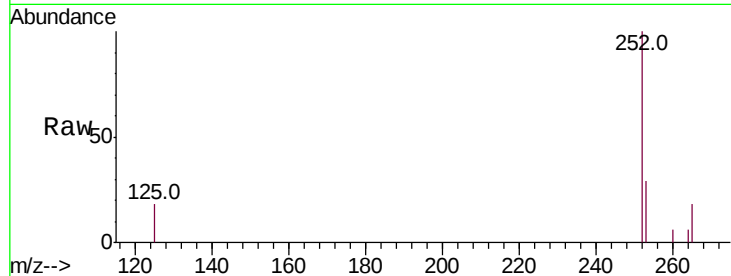
Tot Ion:252 Resp: 1994

Ion Ratio Lower Upper

252 100

253 29.1 16.0 24.0#

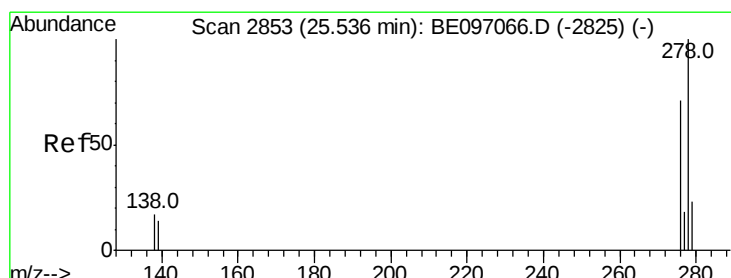
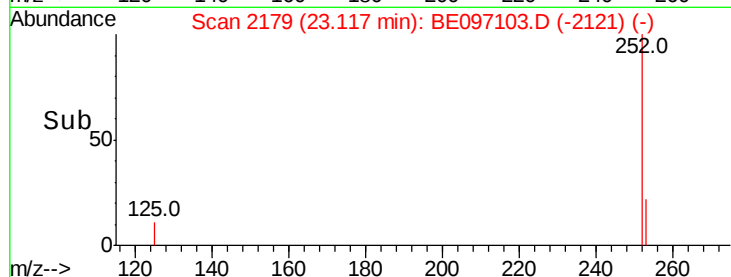
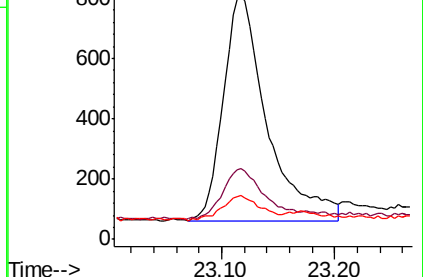
125 18.1 12.0 18.0#



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



#38

Dibenzo(a,h)anthracene

Concen: 0.128 ng

RT: 25.55 min Scan# 2858

Delta R.T. 0.02 min

Lab File: BE097103.D

Acq: 26 Jul 2018 15:22

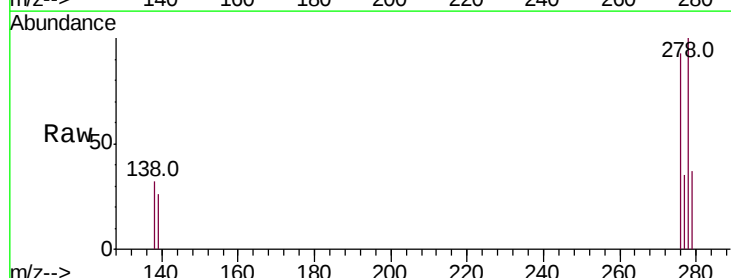
Tgt Ion:278 Resp: 1599

Ion Ratio Lower Upper

278 100

139 26.5 16.0 24.0#

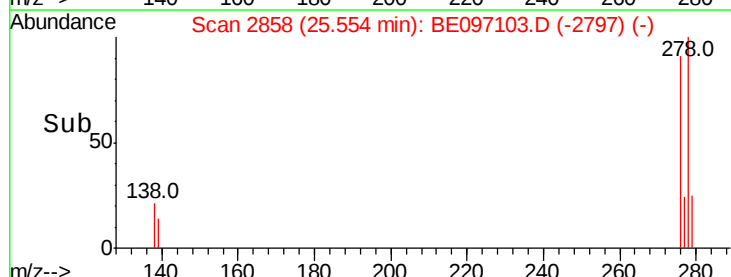
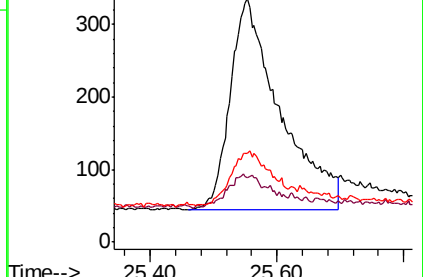
279 36.6 20.0 30.0#



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(a,h,i)perylene

Concen: 0.144 ng

RT: 26.22 min Scan# 3046

Delta R.T. 0.02 min

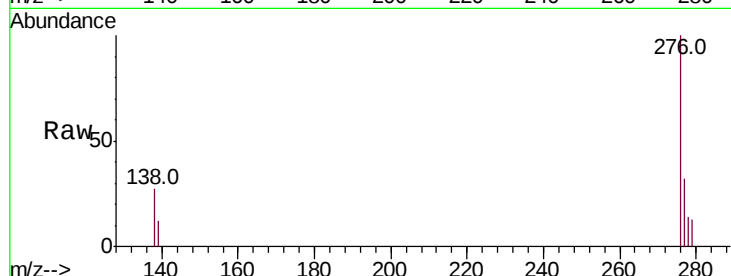
Lab File: BE097103.D

Acq: 26 Jul 2018 15:22

Instrument :

BNA_E

ClientSampleId :



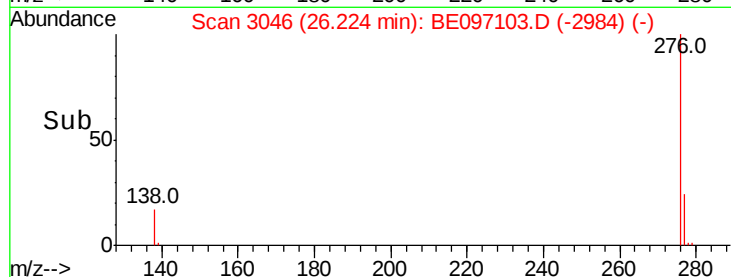
Tot Ion: 276 Resp: 1914

Ion Ratio Lower Upper

276 100

277 31.8 16.0 24.0#

138 27.4 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

