

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072618\
 Data File : BE097108.D
 Acq On : 26 Jul 2018 18:30
 Operator : SJ/JU
 Sample : J3762-07
 Misc : LOD 0.1PPM
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 27 03:29:55 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	1069	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	5253	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	3083	0.40	ng	0.00
19) Phenanthrene-d10	16.78	188	8664	0.40	ng	0.01
27) Chrysene-d12	20.98	240	6366	0.40	ng	0.00
34) Perylene-d12	23.22	264	4834	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.05	112	1001	0.33	ng	0.00
5) Phenol-d6	6.59	99	1320	0.30	ng	0.00
8) Nitrobenzene-d5	8.53	82	1621	0.36	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	2972	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	239	0.24	ng	0.01
15) 2-Fluorobiphenyl	12.63	172	4365	0.41	ng	0.00
25) Fluoranthene-d10	18.81	212	32691	0.38	ng	0.00
29) Terphenyl-d14	19.43	244	5118	0.42	ng	0.00

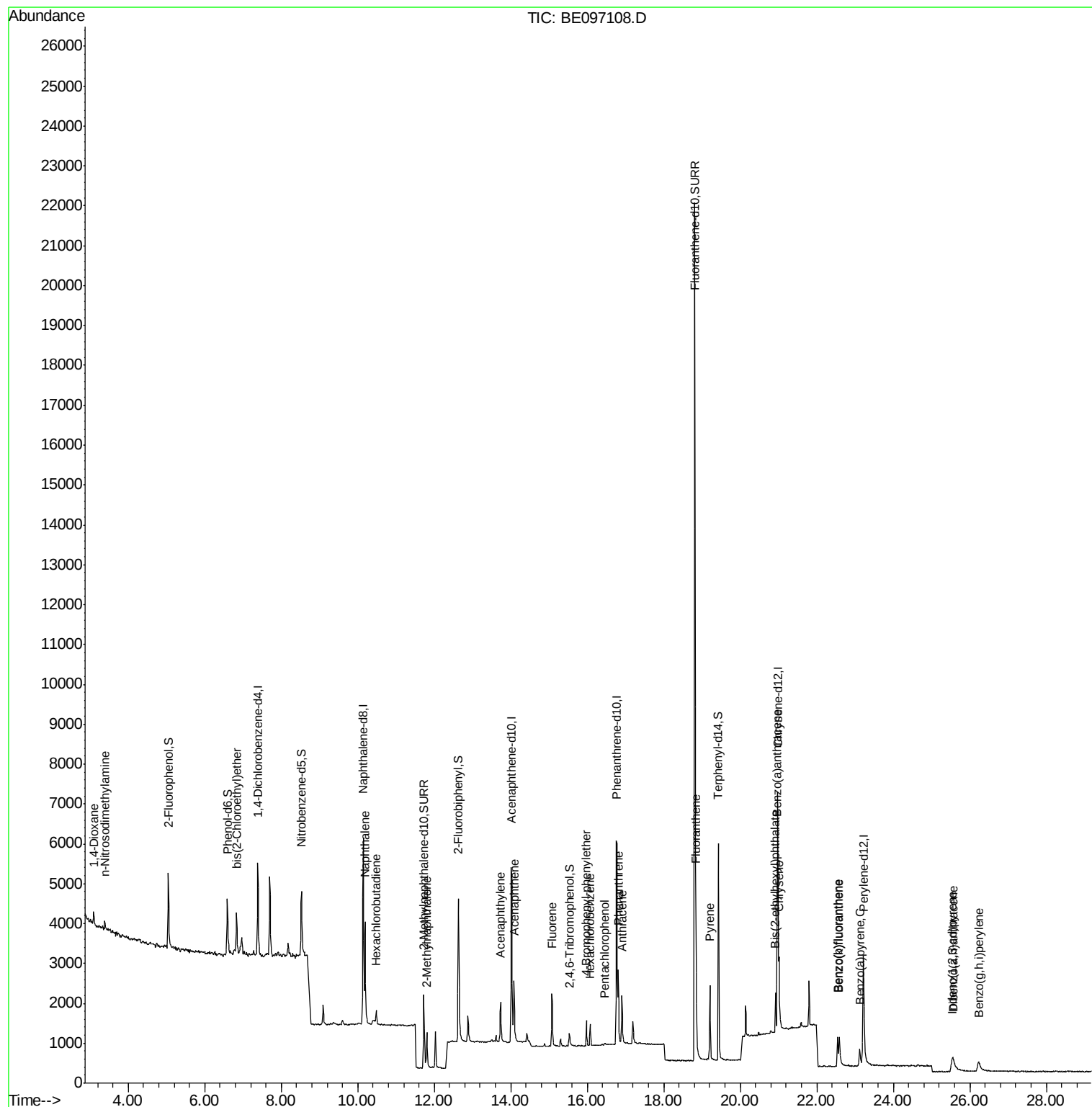
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.09	88	245	0.144	ng	# 79
3) n-Nitrosodimethylamine	3.39	42	197	0.104	ng	# 75
6) bis(2-Chloroethyl)ether	6.84	93	422	0.105	ng	# 72
9) Naphthalene	10.20	128	4574	0.097	ng	# 96
10) Hexachlorobutadiene	10.48	225	217	0.103	ng	# 98
12) 2-Methylnaphthalene	11.81	142	711	0.088	ng	# 96
16) Acenaphthylene	13.74	152	1350	0.098	ng	# 99
17) Acenaphthene	14.08	154	778	0.097	ng	# 88
18) Fluorene	15.07	166	954	0.090	ng	# 78
20) 4-Bromophenyl-phenylether	15.98	248	377	0.090	ng	# 86
21) Hexachlorobenzene	16.08	284	451	0.100	ng	# 81
22) Pentachlorophenol	16.45	266	64	0.094	ng	# 99
23) Phenanthrene	16.81	178	1938	0.094	ng	# 98
24) Anthracene	16.90	178	1466	0.079	ng	# 96
26) Fluoranthene	18.84	202	2001	0.086	ng	# 98
28) Pyrene	19.21	202	1836	0.105	ng	# 99
30) Benzo(a)anthracene	20.97	228	1317	0.083	ng	# 96
31) Chrysene	21.02	228	1674	0.099	ng	# 94
32) Bis(2-ethylhexyl)phthalate	20.92	149	1260	0.068	ng	# 99
33) Indeno(1,2,3-cd)pyrene	25.53	276	333	0.022	ng	# 65
35) Benzo(b)fluoranthene	22.54	252	1044	0.085	ng	# 93
36) Benzo(k)fluoranthene	22.59	252	1338	0.093	ng	# 76
37) Benzo(a)pyrene	23.12	252	863	0.075	ng	# 69
38) Dibenzo(a,h)anthracene	25.55	278	199	0.017	ng	# 51
39) Benzo(g,h,i)perylene	26.22	276	339	0.028	ng	# 68

(#) = 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: BE097108.D

Acq: 26 Jul 2018 18:30

Instrument :

BNA_E

ClientSampled :

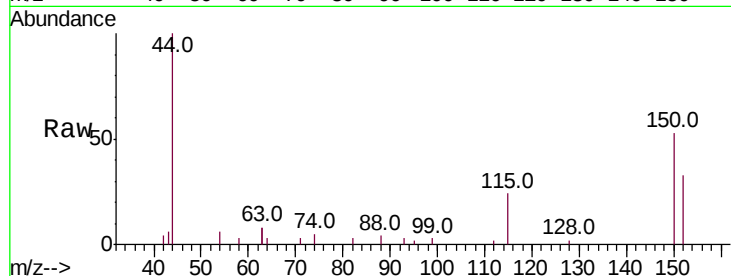
Tot Ion:152 Resp: 1069

Ion Ratio Lower Upper

152 100

150 160.2 117.2 175.8

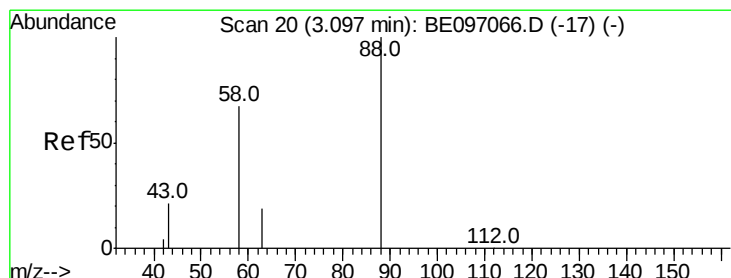
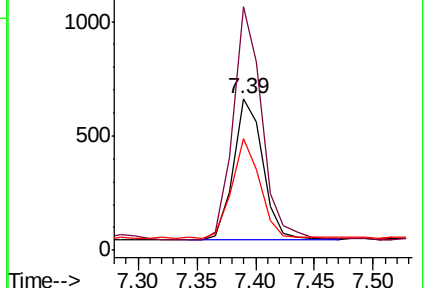
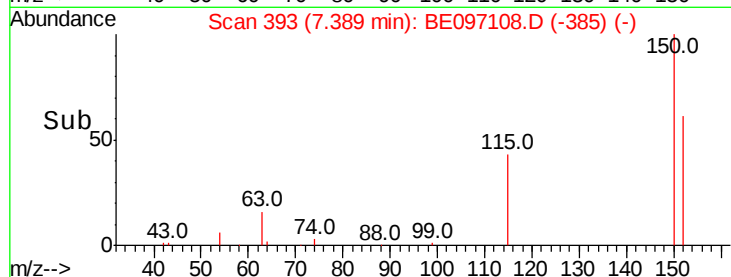
115 73.5 57.0 85.6



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: 0.144 ng

RT: 3.09 min Scan# 20

Delta R.T. -0.00 min

Lab File: BE097108.D

Acq: 26 Jul 2018 18:30

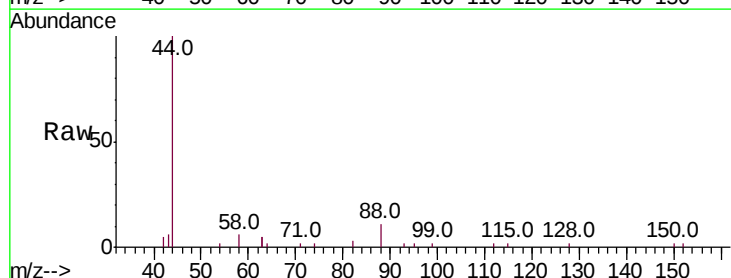
Tgt Ion: 88 Resp: 245

Ion Ratio Lower Upper

88 100

58 64.5 63.2 94.8

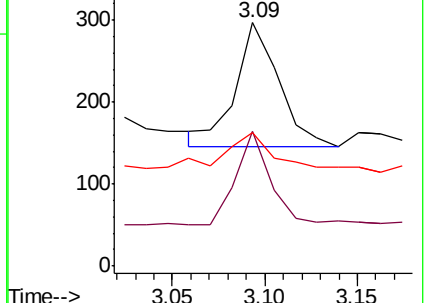
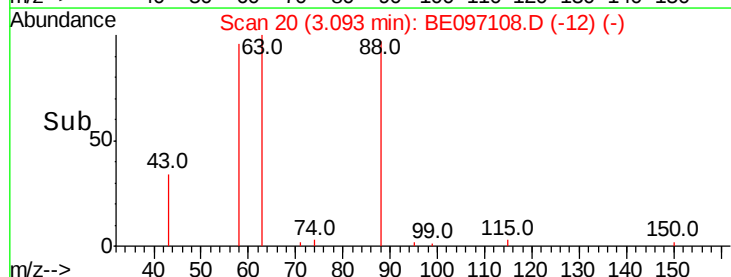
43 32.2 41.2 61.8#



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: 0.104 ng

RT: 3.39 min Scan# 46

Delta R.T. 0.01 min

Lab File: BE097108.D

Acq: 26 Jul 2018 18:30

Instrument :

BNA_E

ClientSampleId :

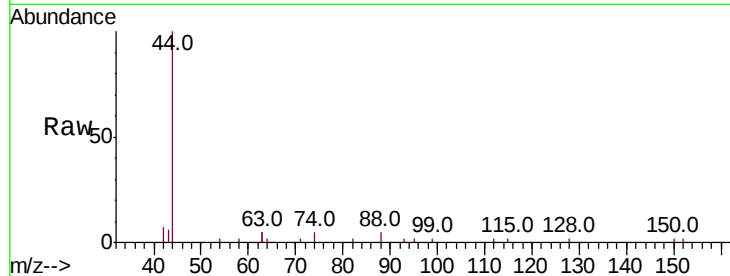
Tot Ion: 42 Resp: 197

Ion Ratio Lower Upper

42 100

74 93.9 96.0 144.0#

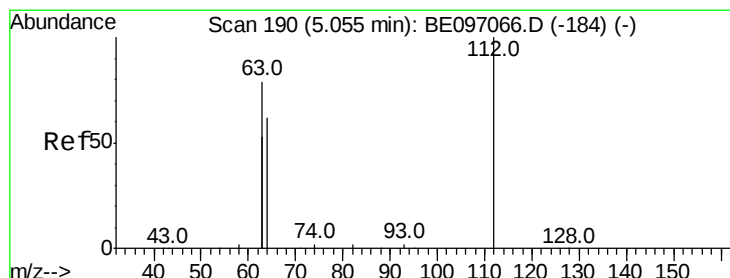
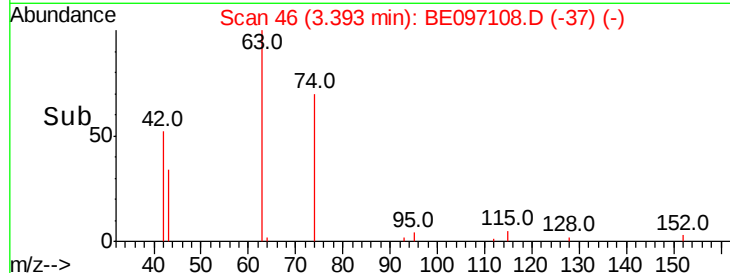
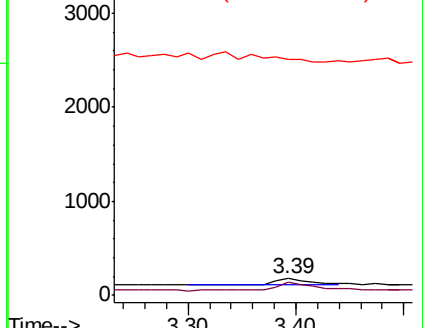
44 0.0 12.0 18.0#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.333 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE097108.D

Acq: 26 Jul 2018 18:30

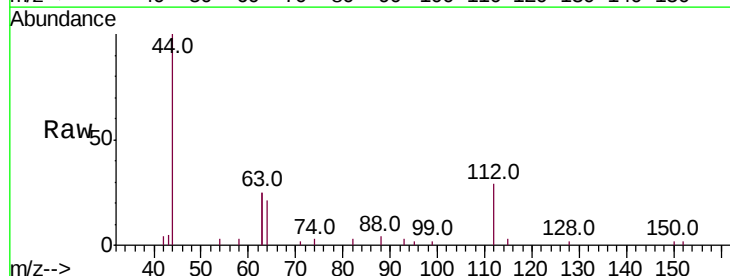
Tgt Ion: 112 Resp: 1001

Ion Ratio Lower Upper

112 100

64 67.2 60.1 90.1

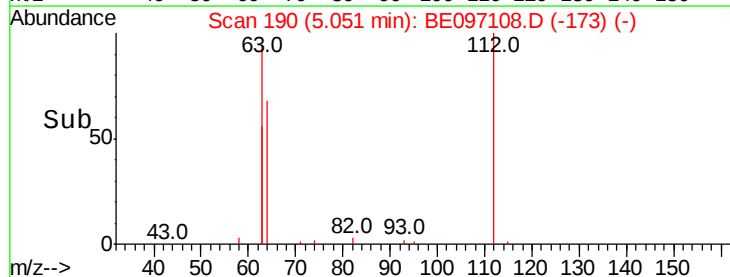
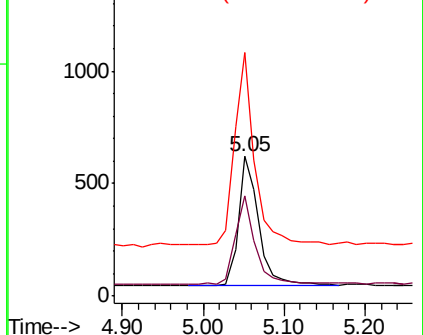
63 146.5 116.8 175.2

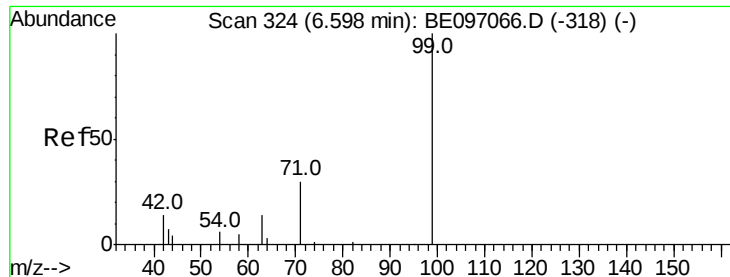


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.299 ng

RT: 6.59 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097108.D

Acq: 26 Jul 2018 18:30

Instrument :

BNA_E

ClientSampleId :

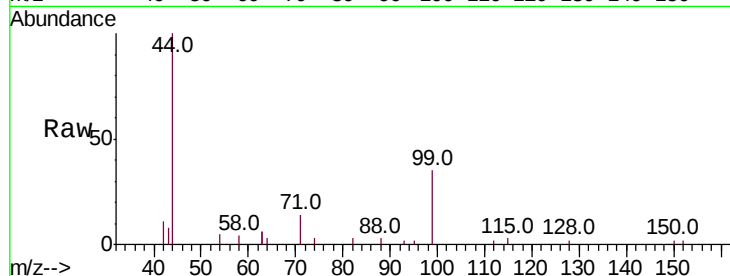
Tot Ion: 99 Resp: 1320

Ion Ratio Lower Upper

99 100

42 23.3 20.2 30.2

71 35.7 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

1000

800

600

400

200

0

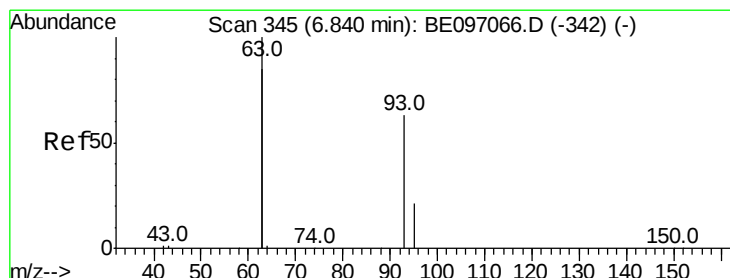
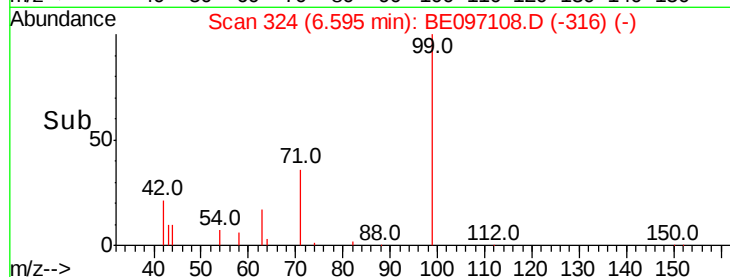
6.59

6.50

6.60

6.70

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.105 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE097108.D

Acq: 26 Jul 2018 18:30

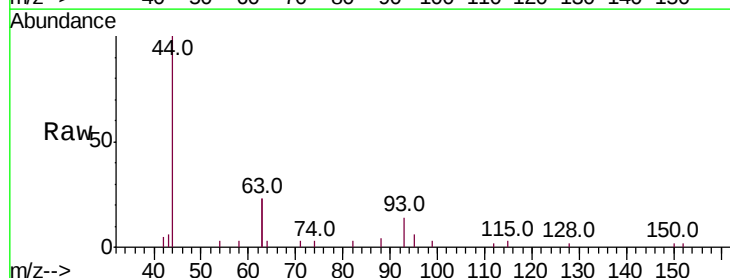
Tgt Ion: 93 Resp: 422

Ion Ratio Lower Upper

93 100

63 280.6 275.3 412.9

95 28.9 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

1200

1000

800

600

400

200

0

6.84

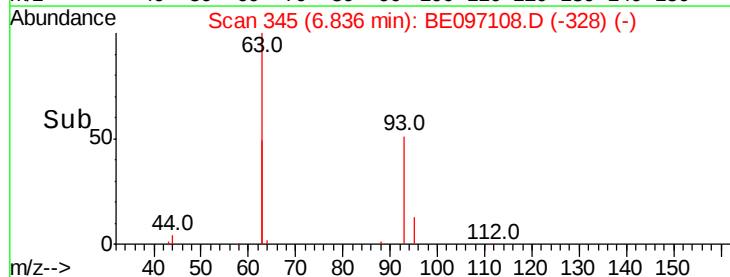
6.80

6.85

6.90

6.95

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE097108.D

Acq: 26 Jul 2018 18:30

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 5253

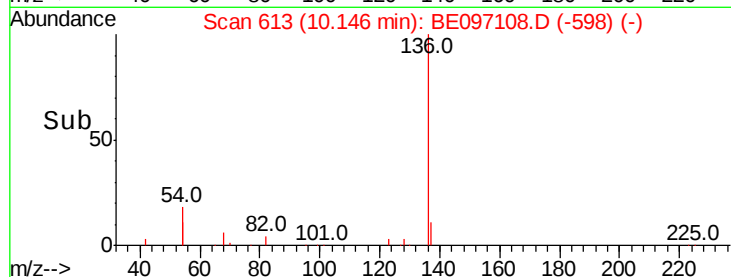
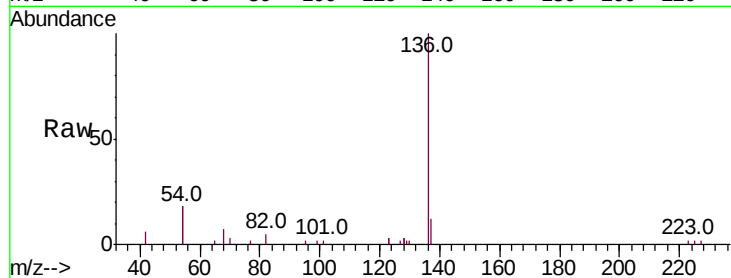
Ion Ratio Lower Upper

136 100

137 12.2 9.5 14.3

54 36.1 29.1 43.7

68 7.5 6.2 9.2

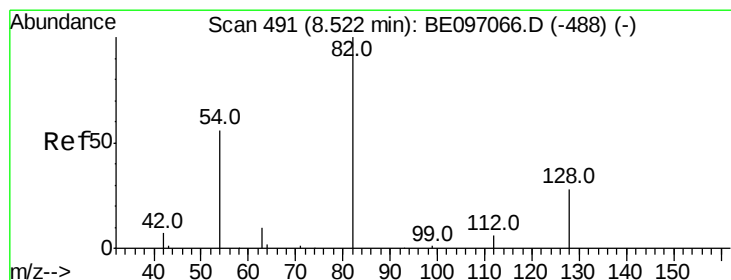
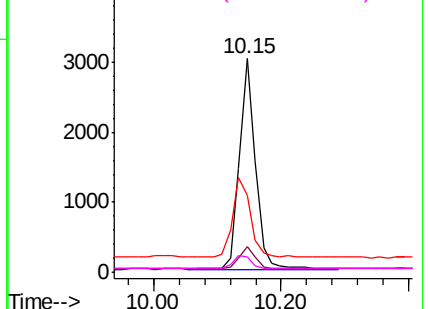


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.355 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE097108.D

Acq: 26 Jul 2018 18:30

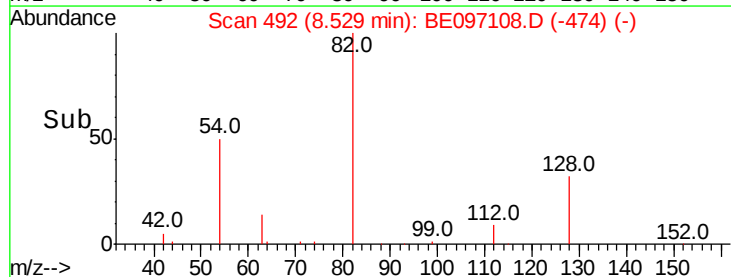
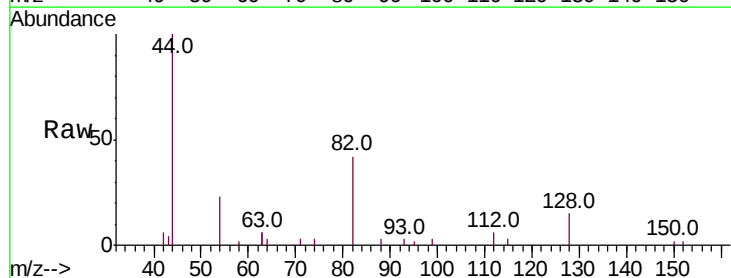
Tgt Ion: 82 Resp: 1621

Ion Ratio Lower Upper

82 100

128 36.4 24.0 36.0#

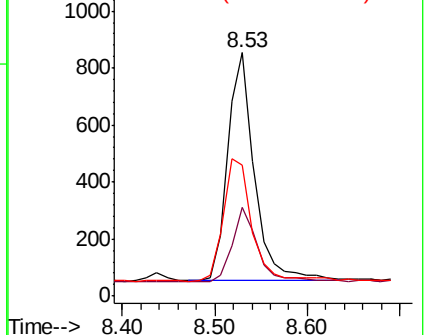
54 53.6 40.0 60.0

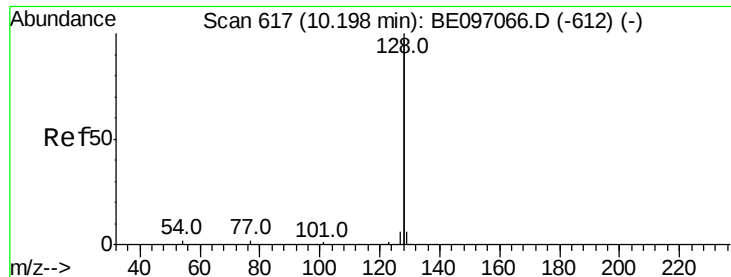


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.097 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.00 min

Lab File: BE097108.D

Acq: 26 Jul 2018 18:30

Instrument :

BNA_E

ClientSampleId :

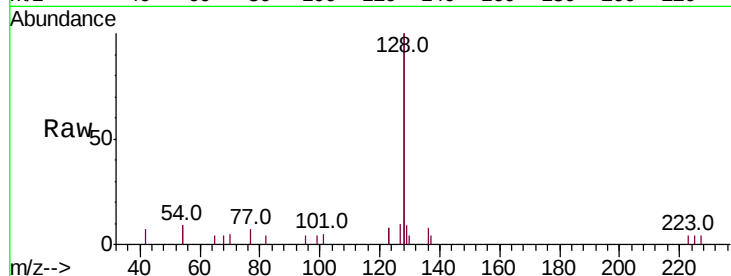
Tot Ion:128 Resp: 4574

Ion Ratio Lower Upper

128 100

129 4.5 2.6 3.8#

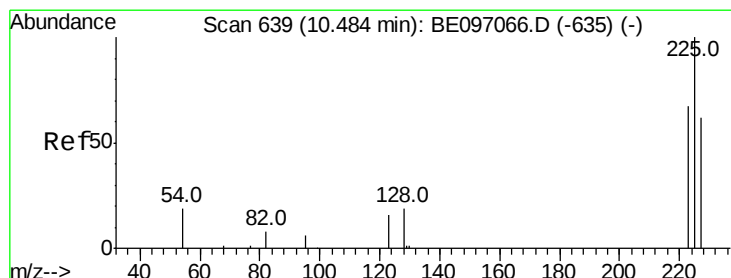
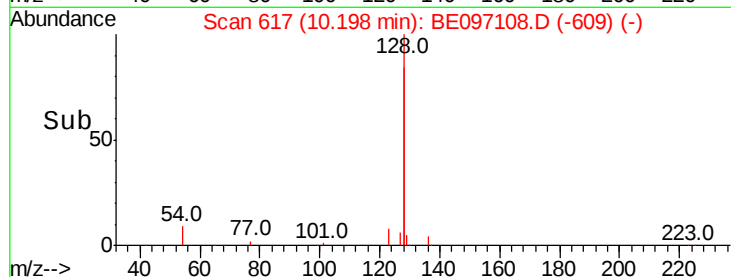
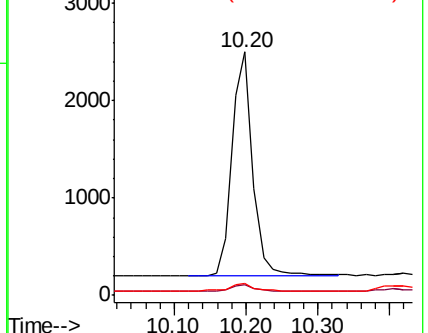
127 4.8 2.8 4.2#



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: 0.103 ng

RT: 10.48 min Scan# 639

Delta R.T. 0.00 min

Lab File: BE097108.D

Acq: 26 Jul 2018 18:30

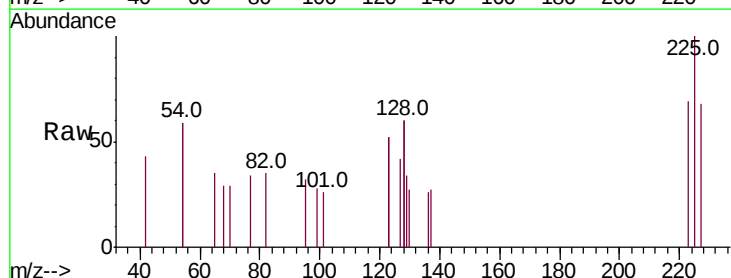
Tgt Ion:225 Resp: 217

Ion Ratio Lower Upper

225 100

223 63.6 53.0 79.6

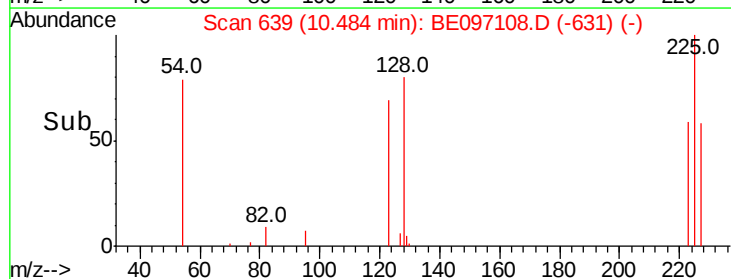
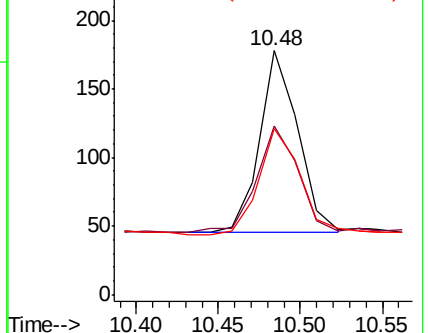
227 63.1 51.4 77.2

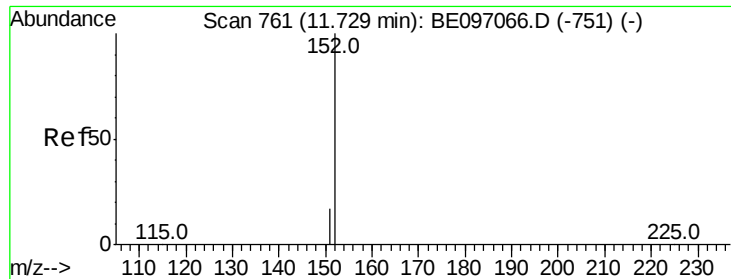


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

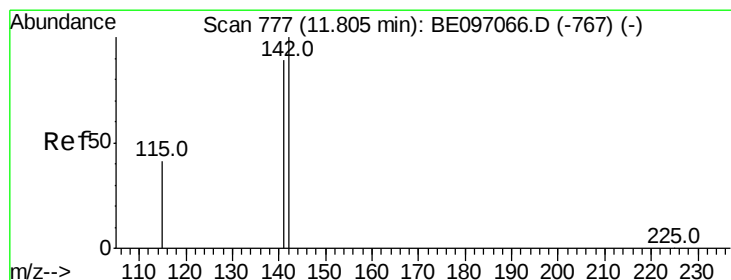
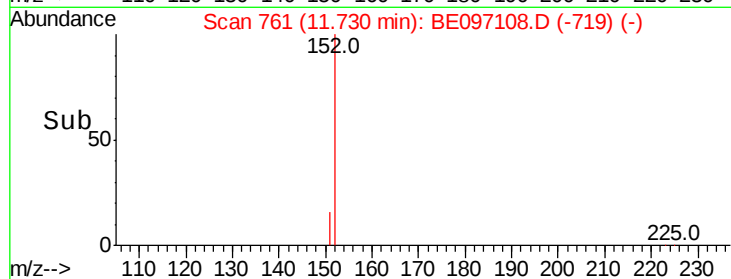
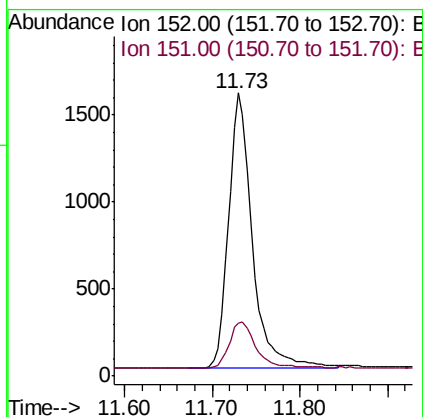
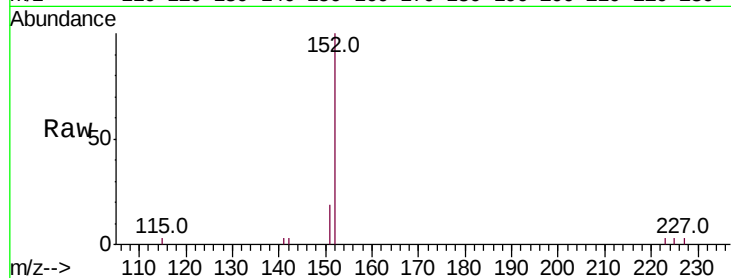




#11
 2-Methylnaphthalene-d10
 Concen: 0.378 ng
 RT: 11.73 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: BE097108.D
 Acq: 26 Jul 2018 18:30

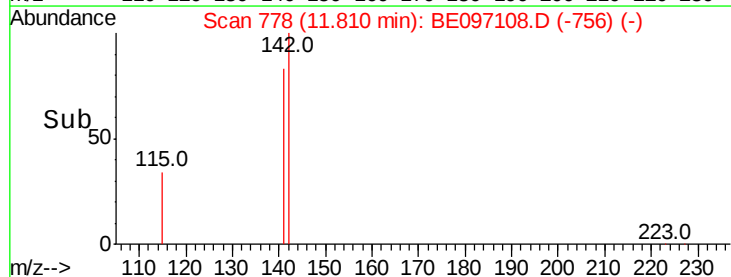
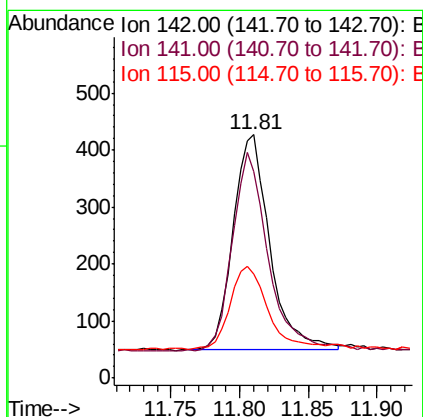
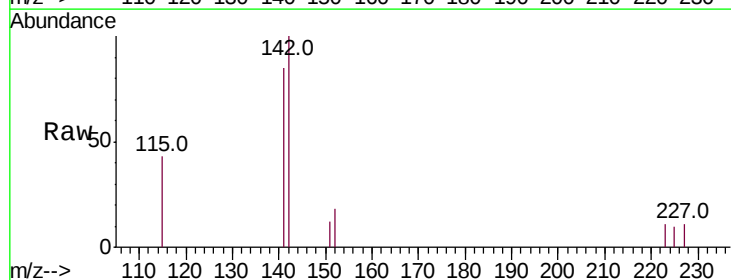
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:152 Resp: 2972
 Ion Ratio Lower Upper
 152 100
 151 18.9 15.4 23.0



#12
 2-Methylnaphthalene
 Concen: 0.088 ng
 RT: 11.81 min Scan# 778
 Delta R.T. 0.01 min
 Lab File: BE097108.D
 Acq: 26 Jul 2018 18:30

Tgt Ion:142 Resp: 711
 Ion Ratio Lower Upper
 142 100
 141 84.8 70.4 105.6
 115 42.9 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1027

Delta R.T. -0.00 min

Lab File: BE097108.D

Acq: 26 Jul 2018 18:30

Instrument :

BNA_E

ClientSampleId :

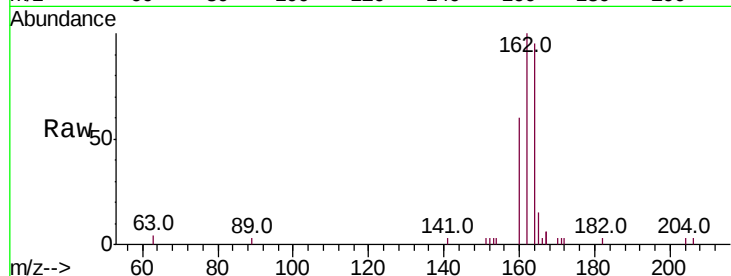
Tot Ion:164 Resp: 3083

Ion Ratio Lower Upper

164 100

162 104.8 83.1 124.7

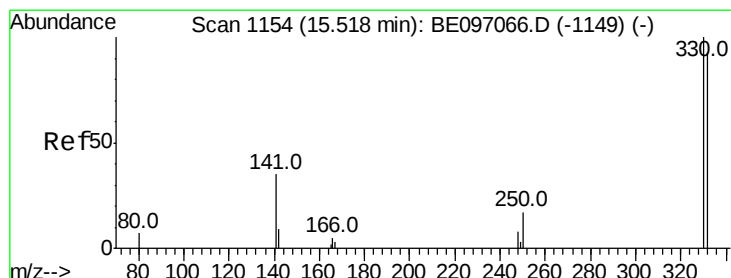
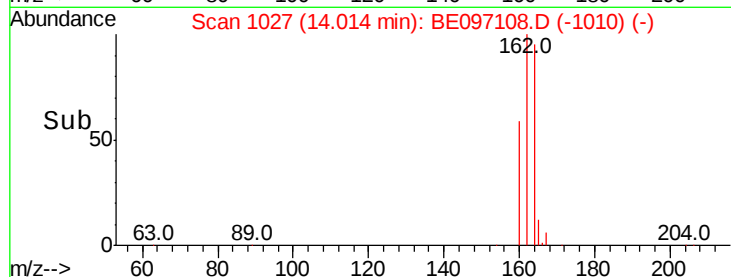
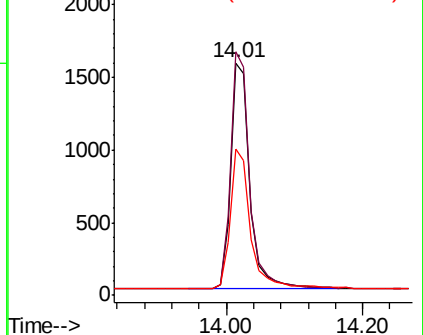
160 63.2 37.1 55.7#



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: 0.236 ng

RT: 15.53 min Scan# 1154

Delta R.T. 0.01 min

Lab File: BE097108.D

Acq: 26 Jul 2018 18:30

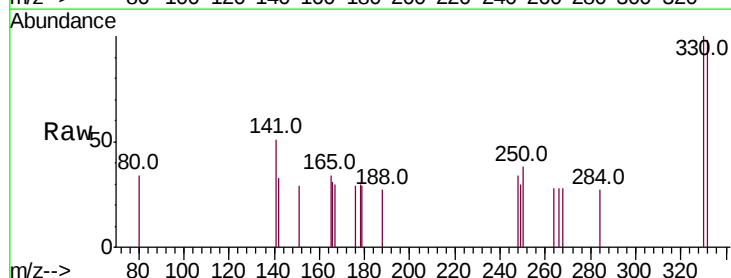
Tgt Ion:330 Resp: 239

Ion Ratio Lower Upper

330 100

332 95.8 152.7 229.1#

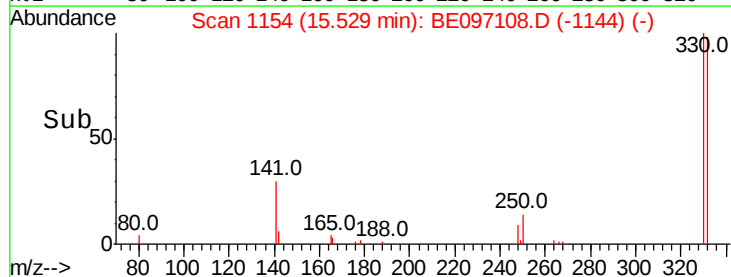
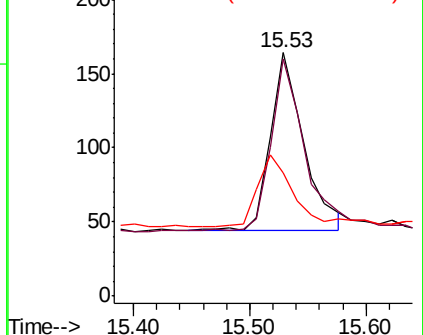
141 41.0 33.7 50.5

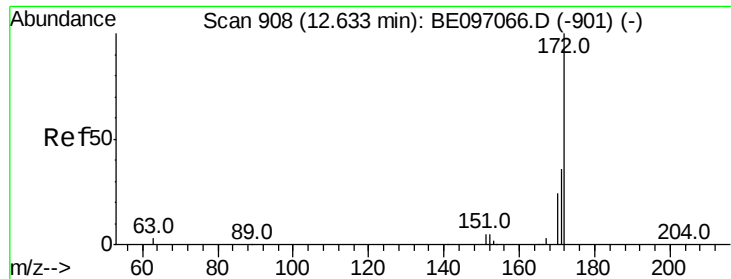


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

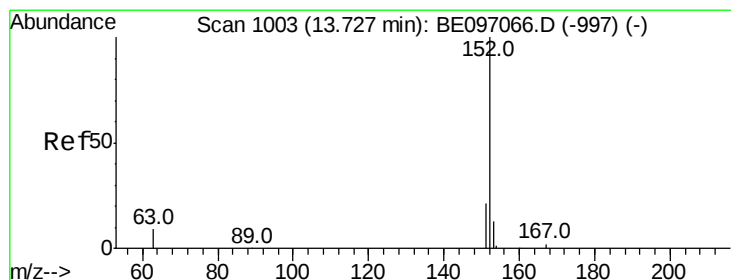
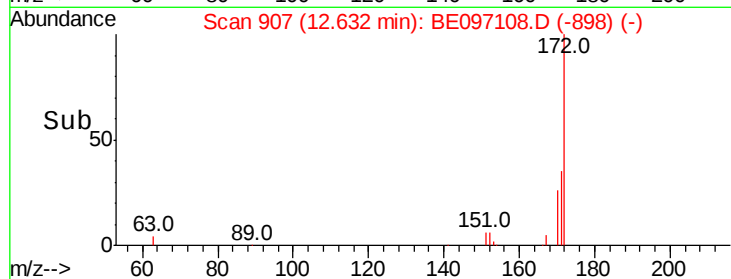
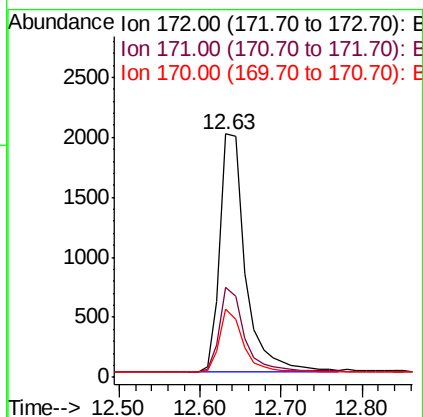
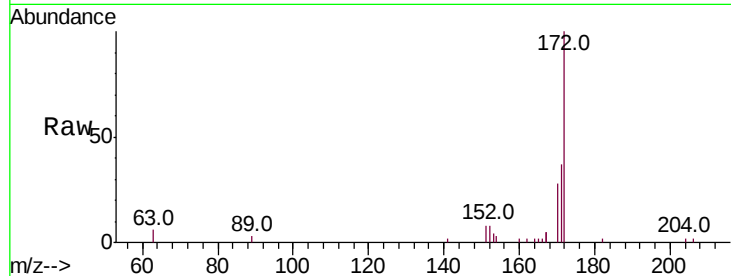




#15
2-Fluorobiphenyl
Concen: 0.410 ng
RT: 12.63 min Scan# 907
Delta R.T. -0.00 min
Lab File: BE097108.D
Acq: 26 Jul 2018 18:30

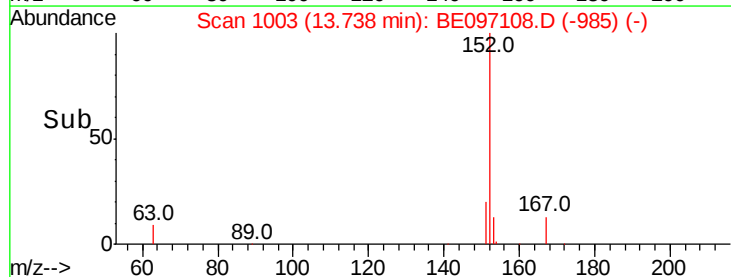
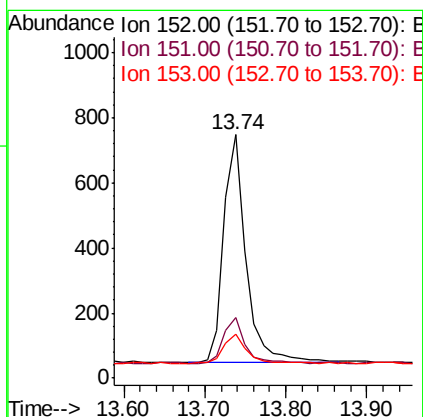
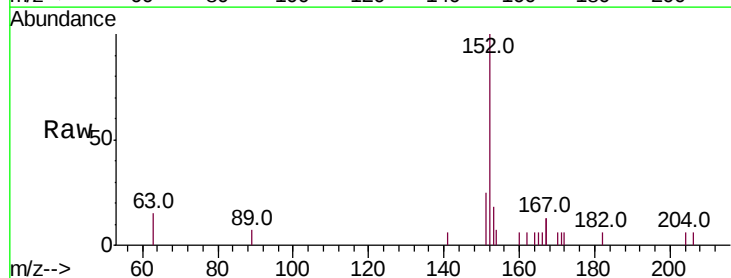
Instrument :
BNA_E
ClientSampled :

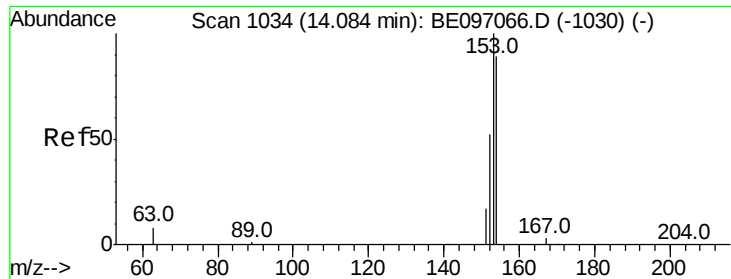
Tot Ion:172 Resp: 4365
Ion Ratio Lower Upper
172 100
171 36.8 29.9 44.9
170 27.8 21.8 32.8



#16
Acenaphthylene
Concen: 0.098 ng
RT: 13.74 min Scan# 1003
Delta R.T. 0.01 min
Lab File: BE097108.D
Acq: 26 Jul 2018 18:30

Tgt Ion:152 Resp: 1350
Ion Ratio Lower Upper
152 100
151 19.3 15.7 23.5
153 13.6 10.5 15.7

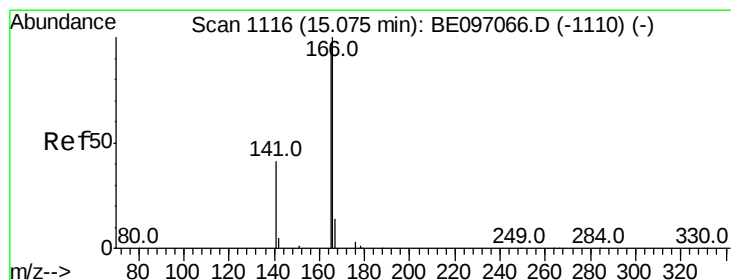
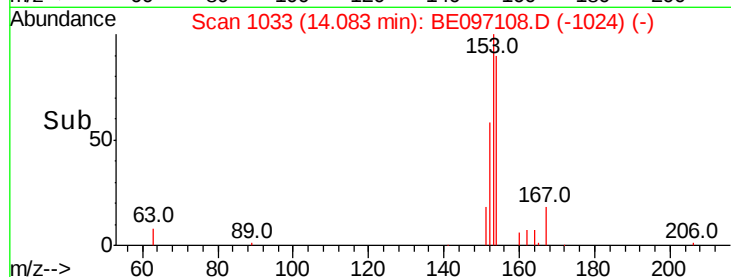
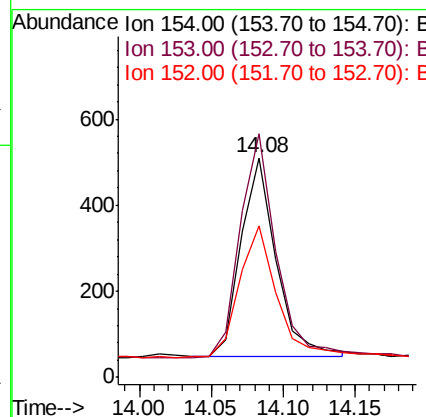
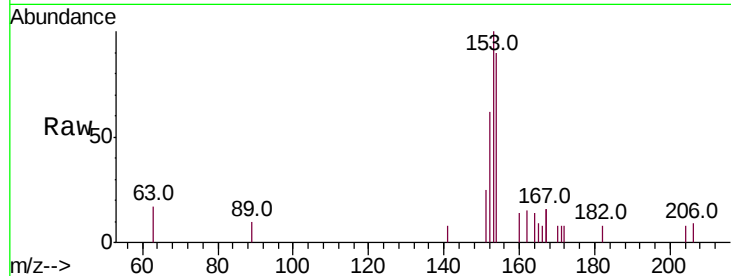




#17
Acenaphthene
Concen: 0.097 ng
RT: 14.08 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BE097108.D
Acq: 26 Jul 2018 18:30

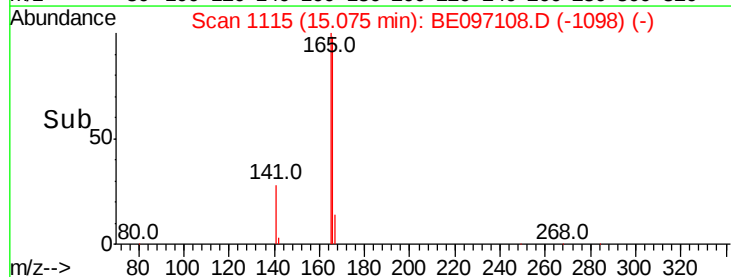
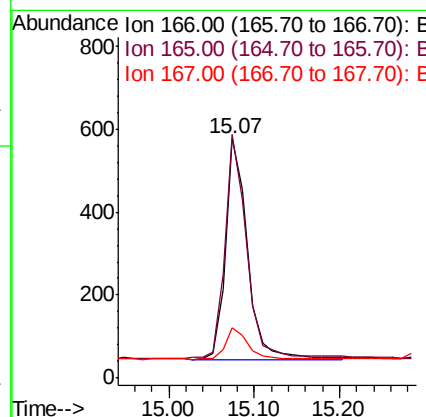
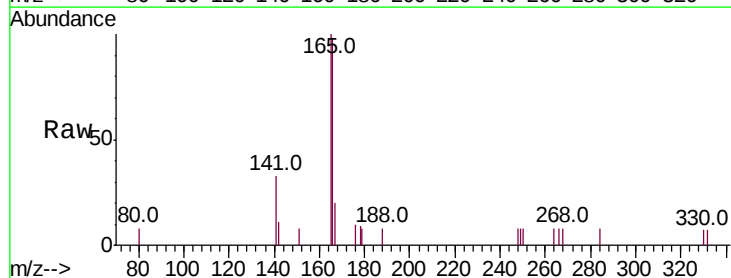
Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 778
Ion Ratio Lower Upper
154 100
153 115.9 89.2 133.8
152 71.7 42.0 63.0#



#18
Fluorene
Concen: 0.090 ng
RT: 15.07 min Scan# 1115
Delta R.T. -0.00 min
Lab File: BE097108.D
Acq: 26 Jul 2018 18:30

Tgt Ion:166 Resp: 954
Ion Ratio Lower Upper
166 100
165 101.5 77.8 116.6
167 14.8 42.4 63.6#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.78 min Scan# 1261

Delta R.T. 0.01 min

Lab File: BE097108.D

Acq: 26 Jul 2018 18:30

Instrument :

BNA_E

ClientSampleId :

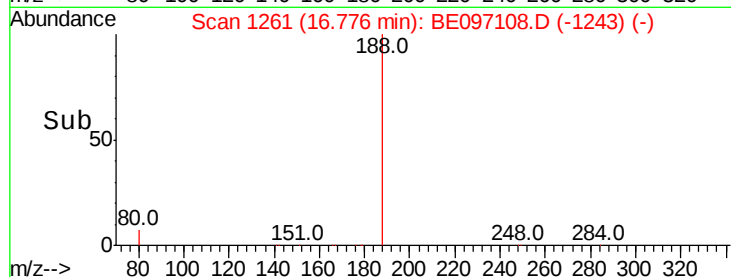
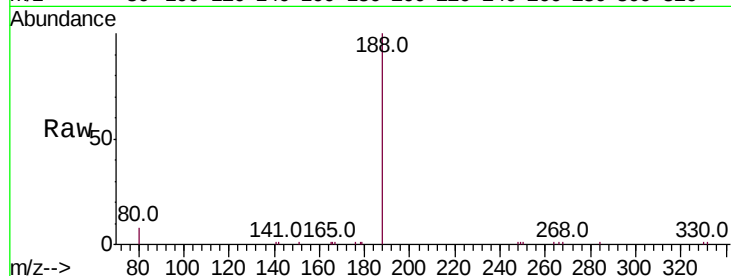
Tot Ion:188 Resp: 8664

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

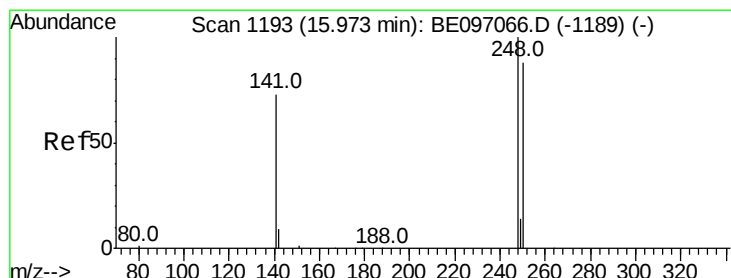
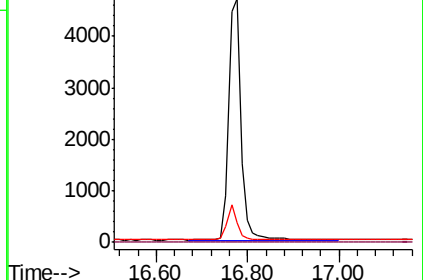
80 8.2 3.6 5.4#



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: 0.090 ng

RT: 15.98 min Scan# 1193

Delta R.T. 0.01 min

Lab File: BE097108.D

Acq: 26 Jul 2018 18:30

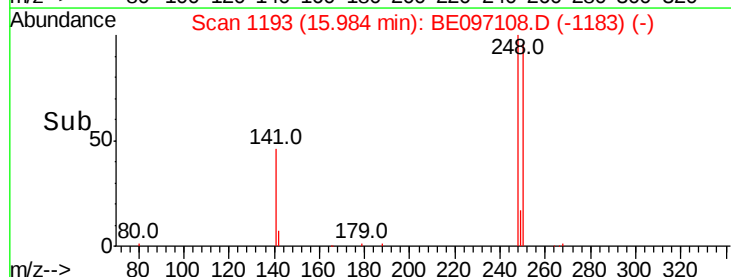
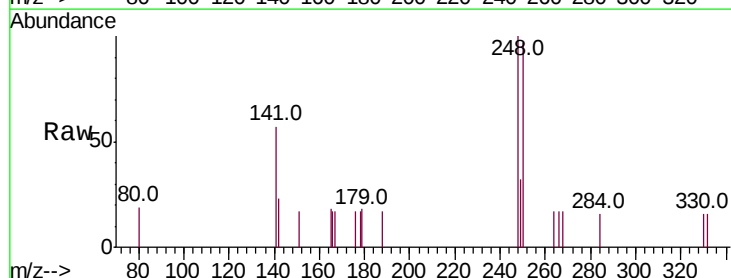
Tgt Ion:248 Resp: 377

Ion Ratio Lower Upper

248 100

250 96.7 62.7 94.1#

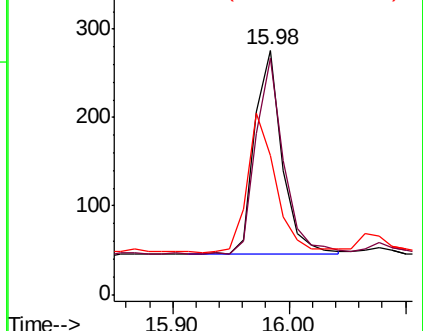
141 56.9 48.2 72.2

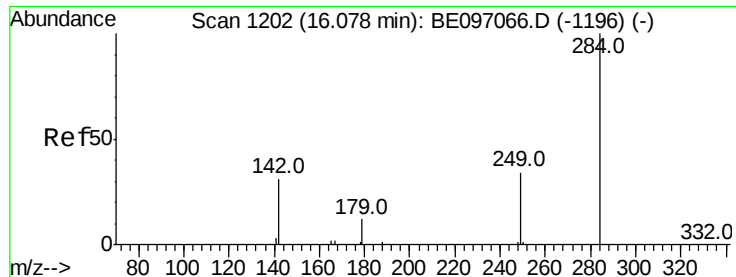


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.100 ng

RT: 16.08 min Scan# 1201

Delta R.T. -0.00 min

Lab File: BE097108.D

Acq: 26 Jul 2018 18:30

Instrument :

BNA_E

ClientSampleId :

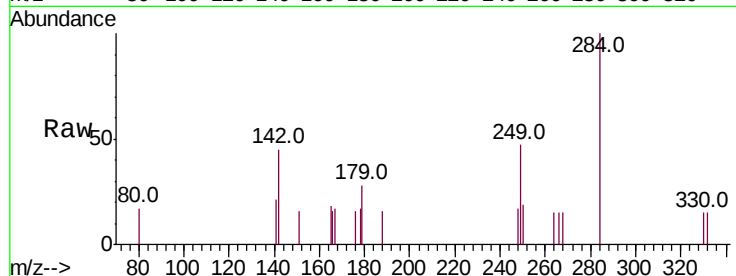
Tot Ion:284 Resp: 451

Ion Ratio Lower Upper

284 100

142 36.4 22.1 33.1#

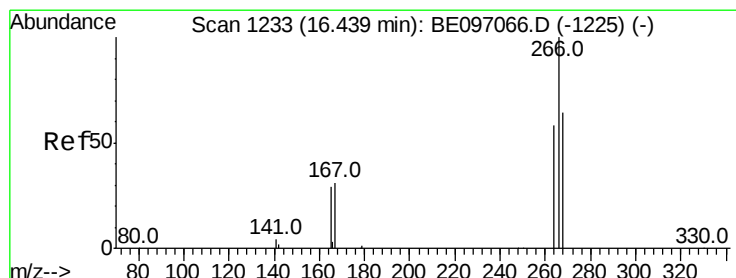
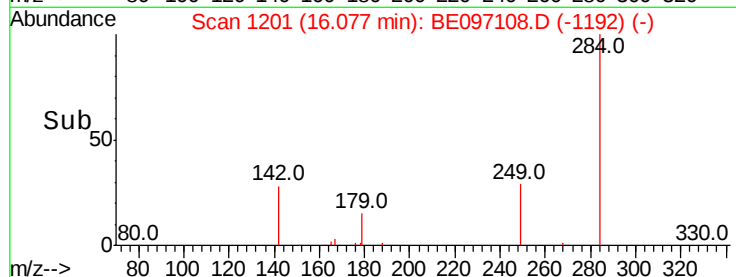
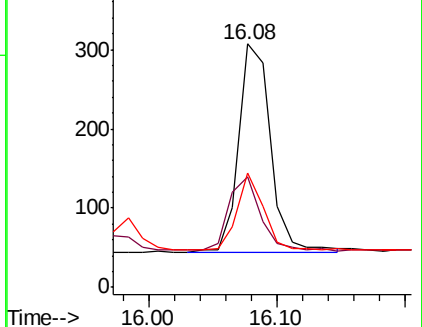
249 30.2 34.8 52.2#



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: 0.094 ng

RT: 16.45 min Scan# 1233

Delta R.T. 0.01 min

Lab File: BE097108.D

Acq: 26 Jul 2018 18:30

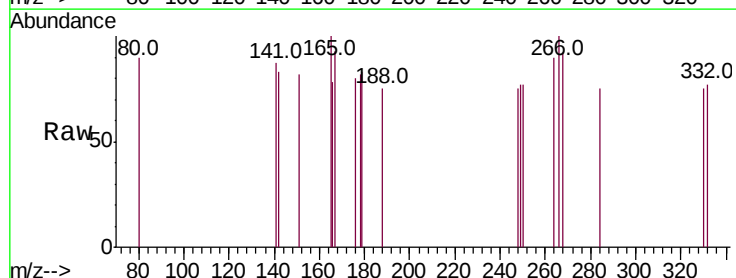
Tgt Ion:266 Resp: 64

Ion Ratio Lower Upper

266 100

264 90.0 72.5 108.7

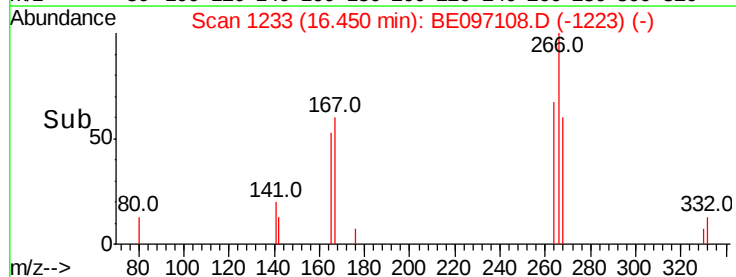
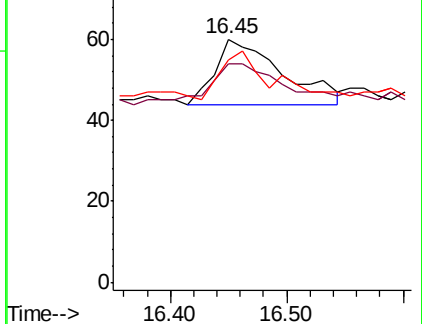
268 91.7 73.8 110.6



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





#23

Phenanthrene

Concen: 0.094 ng

RT: 16.81 min Scan# 1264

Delta R.T. -0.00 min

Lab File: BE097108.D

Acq: 26 Jul 2018 18:30

Instrument :

BNA_E

ClientSampleId :

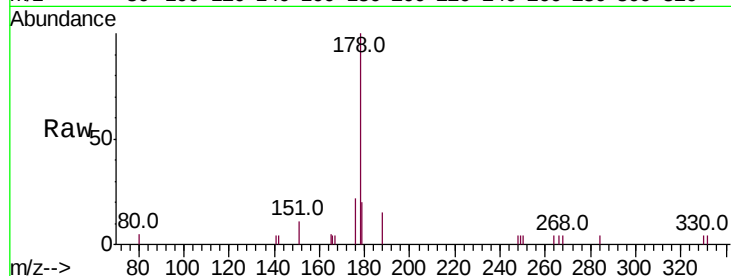
Tot Ion:178 Resp: 1938

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

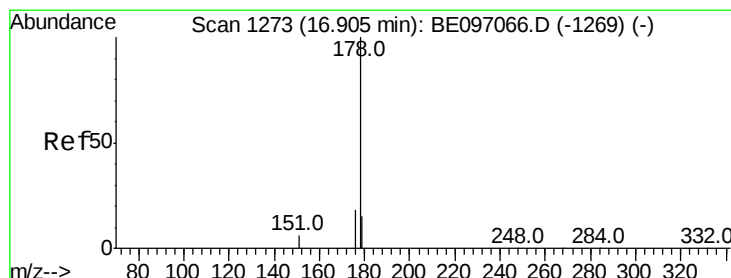
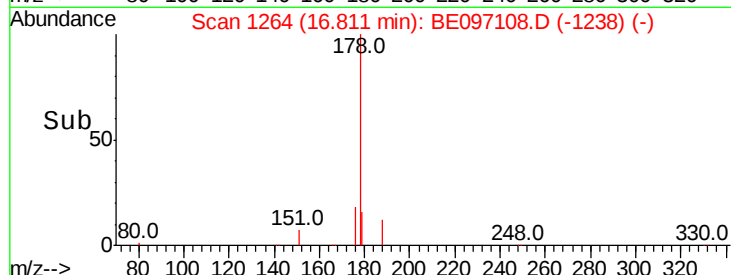
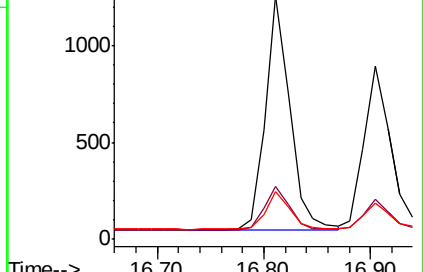
179 16.5 11.8 17.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.079 ng

RT: 16.90 min Scan# 1272

Delta R.T. -0.00 min

Lab File: BE097108.D

Acq: 26 Jul 2018 18:30

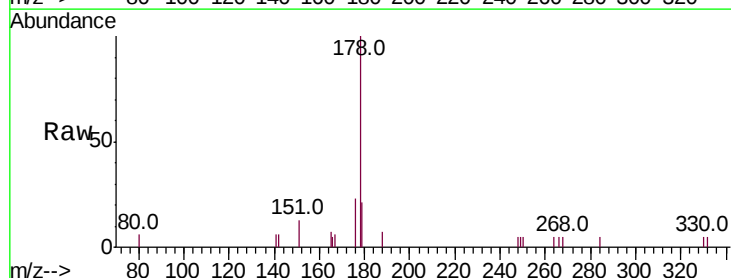
Tgt Ion:178 Resp: 1466

Ion Ratio Lower Upper

178 100

176 18.0 12.8 19.2

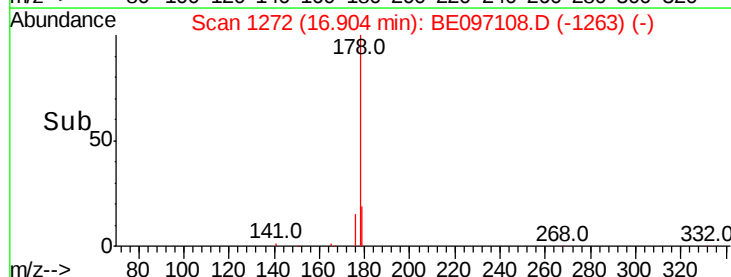
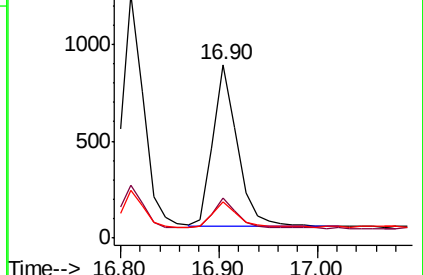
179 15.3 13.0 19.6

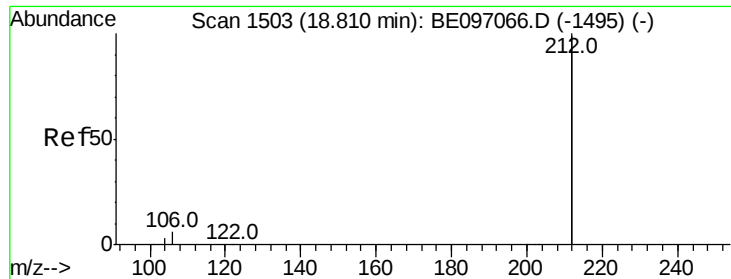


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.377 ng

RT: 18.81 min Scan# 1503

Delta R.T. 0.00 min

Lab File: BE097108.D

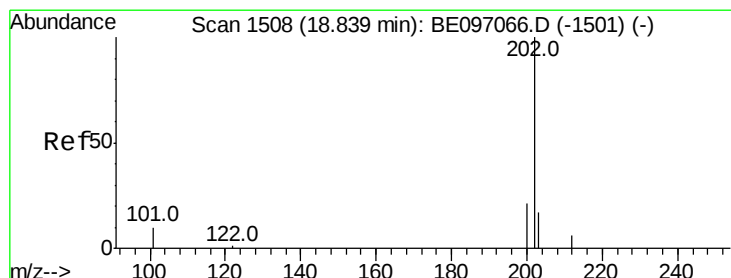
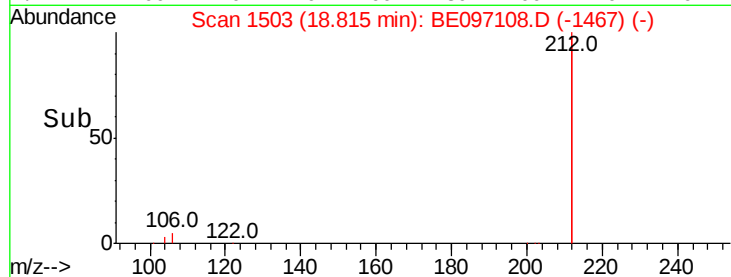
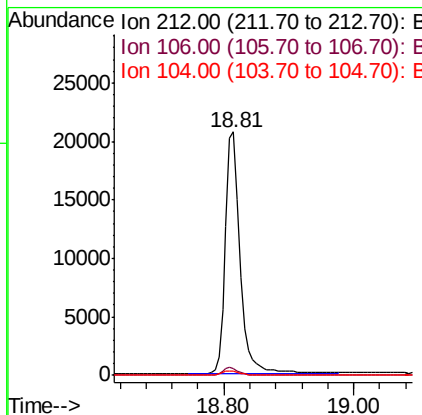
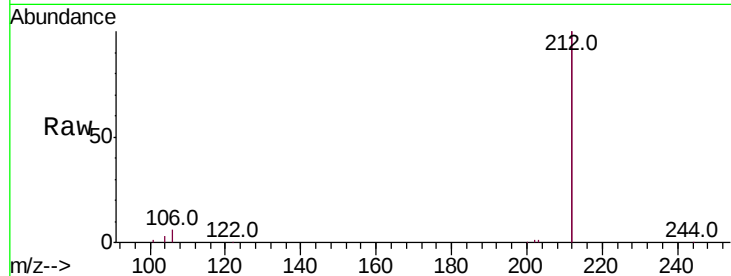
Acq: 26 Jul 2018 18:30

Instrument :

BNA_E

ClientSampleId :

Tot Ion:212	Resp:	32691
Ion Ratio	Lower	Upper
212 100		
106 3.1	2.8	4.2
104 1.8	1.6	2.4



#26

Fluoranthene

Concen: 0.086 ng

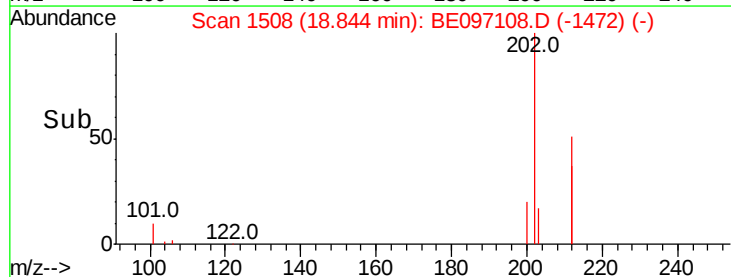
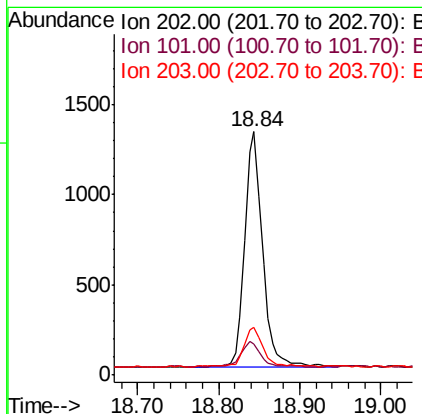
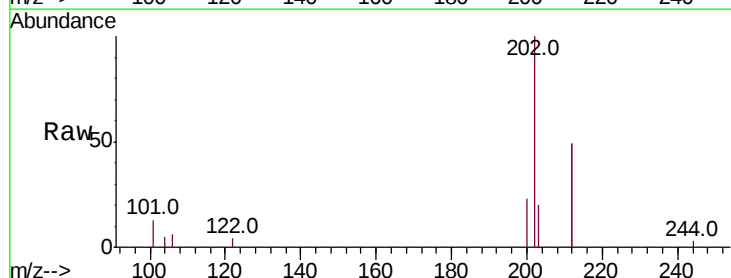
RT: 18.84 min Scan# 1508

Delta R.T. 0.00 min

Lab File: BE097108.D

Acq: 26 Jul 2018 18:30

Tgt Ion:202	Resp:	2001
Ion Ratio	Lower	Upper
202 100		
101 11.7	9.8	14.8
203 18.0	13.7	20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.98 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BE097108.D

Acq: 26 Jul 2018 18:30

Instrument :

BNA_E

ClientSampled :

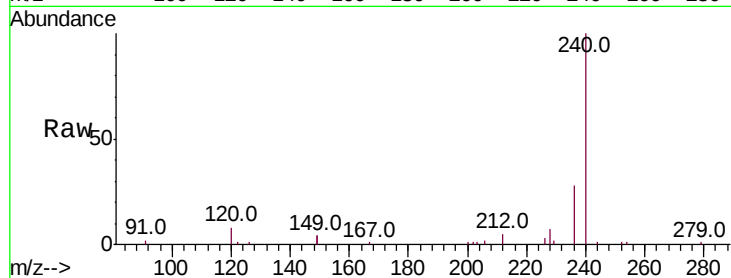
Tot Ion:240 Resp: 6366

Ion Ratio Lower Upper

240 100

120 7.7 5.5 8.3

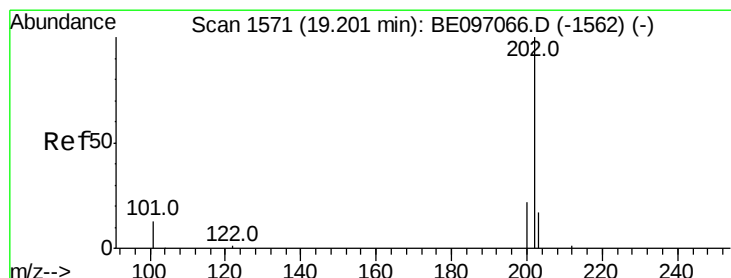
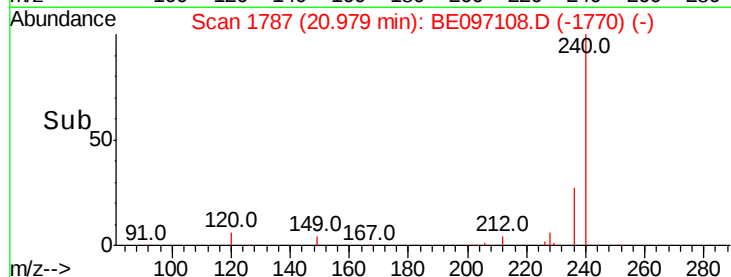
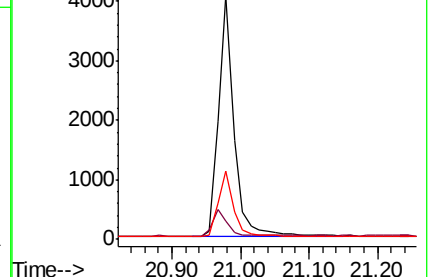
236 28.1 20.7 31.1



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

Pyrene

Concen: 0.105 ng

RT: 19.21 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BE097108.D

Acq: 26 Jul 2018 18:30

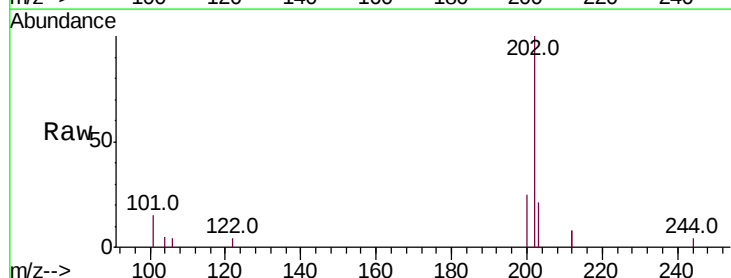
Tgt Ion:202 Resp: 1836

Ion Ratio Lower Upper

202 100

200 21.2 16.6 25.0

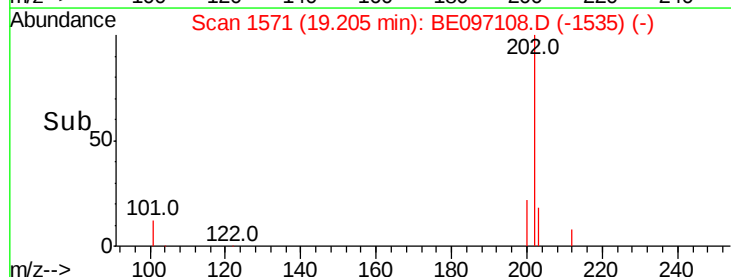
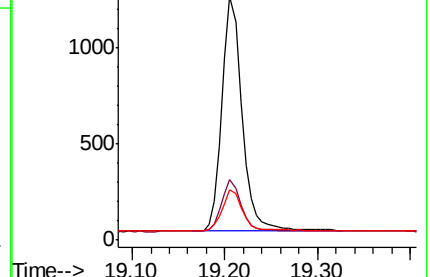
203 18.1 13.8 20.8



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: 0.418 ng

RT: 19.43 min Scan# 1610

Delta R.T. -0.00 min

Lab File: BE097108.D

Acq: 26 Jul 2018 18:30

Instrument :

BNA_E

ClientSampleId :

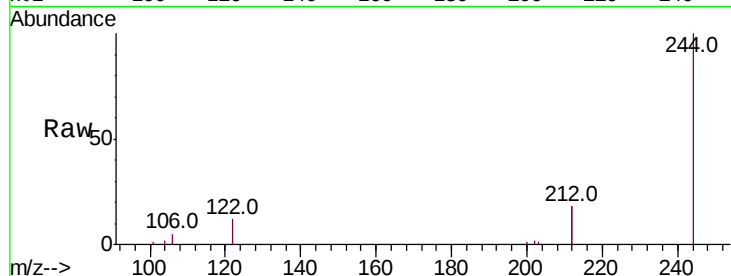
Tot Ion:244 Resp: 5118

Ion Ratio Lower Upper

244 100

212 36.8 25.4 38.0

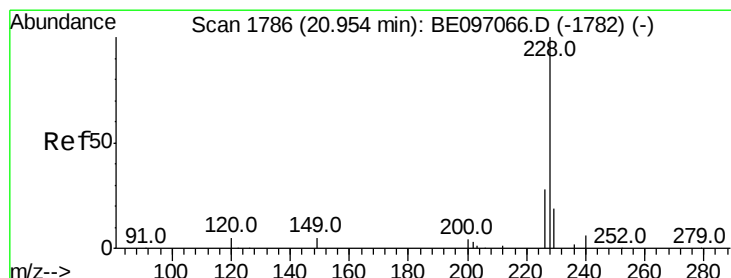
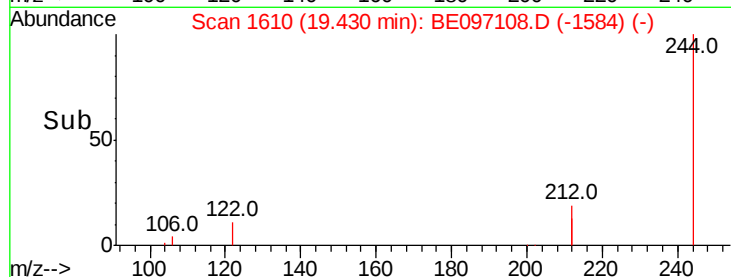
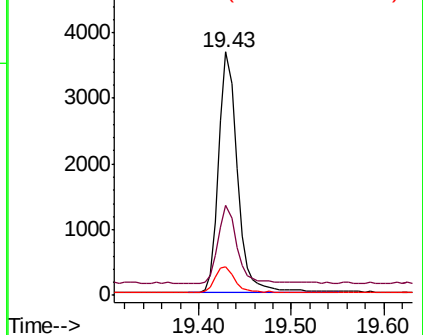
122 11.9 8.1 12.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.083 ng

RT: 20.97 min Scan# 1786

Delta R.T. 0.01 min

Lab File: BE097108.D

Acq: 26 Jul 2018 18:30

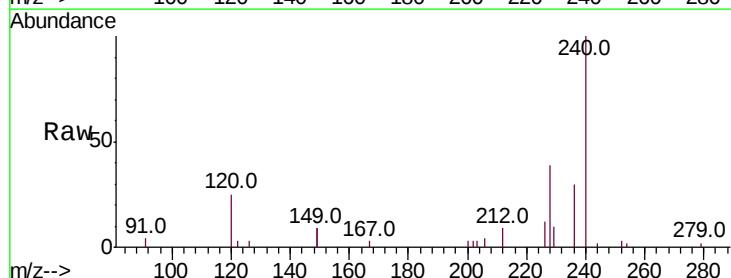
Tgt Ion:228 Resp: 1317

Ion Ratio Lower Upper

228 100

226 29.5 24.0 36.0

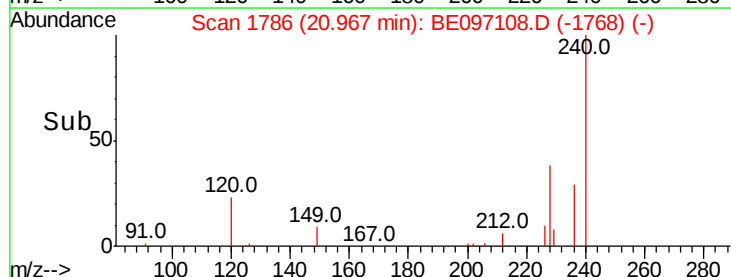
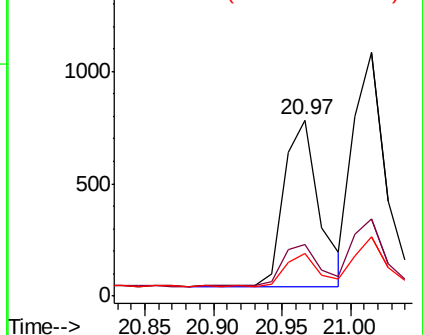
229 24.5 16.0 24.0#



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





#31

Chrysene

Concen: 0.099 ng

RT: 21.02 min Scan# 1790

Delta R.T. 0.00 min

Lab File: BE097108.D

Acq: 26 Jul 2018 18:30

Instrument :

BNA_E

ClientSampled :

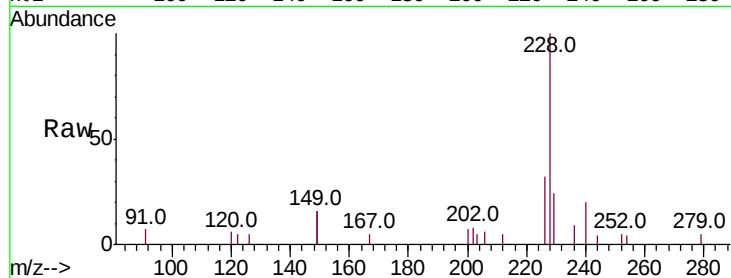
Tot Ion:228 Resp: 1674

Ion Ratio Lower Upper

228 100

226 31.9 24.0 36.0

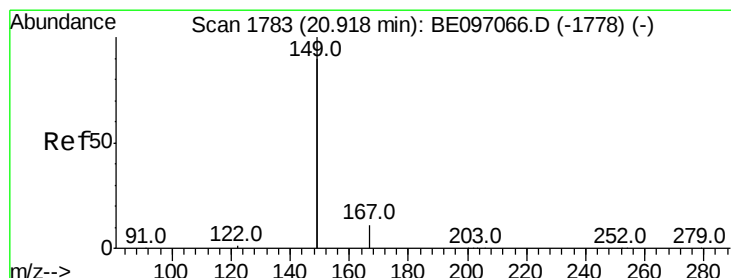
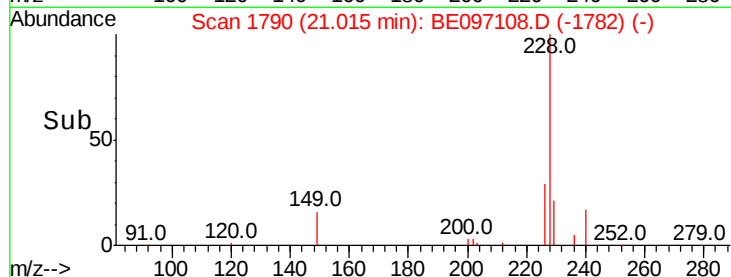
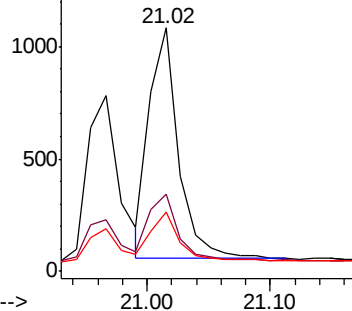
229 24.4 16.0 24.0#



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: 0.068 ng

RT: 20.92 min Scan# 1782

Delta R.T. 0.00 min

Lab File: BE097108.D

Acq: 26 Jul 2018 18:30

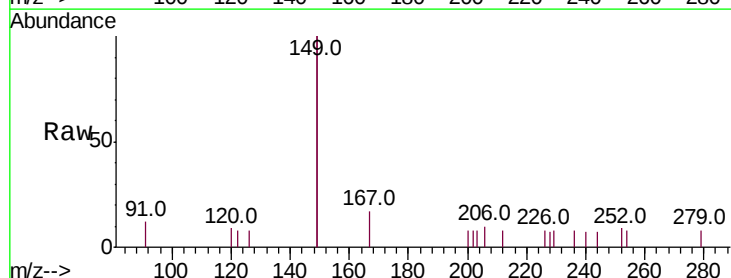
Tgt Ion:149 Resp: 1260

Ion Ratio Lower Upper

149 100

167 7.1 5.4 8.0

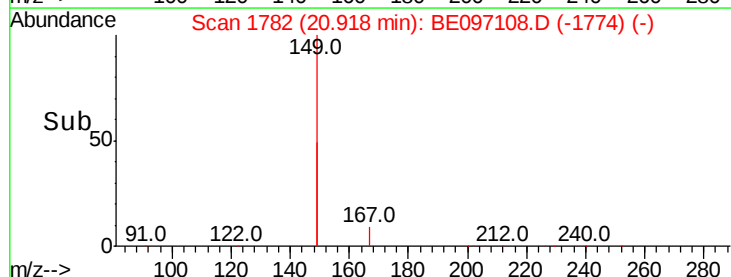
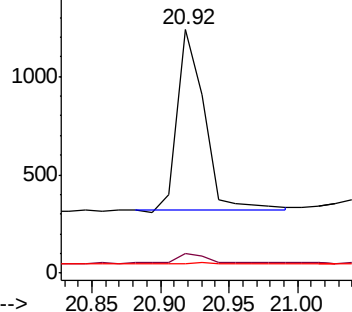
279 1.0 0.7 1.1

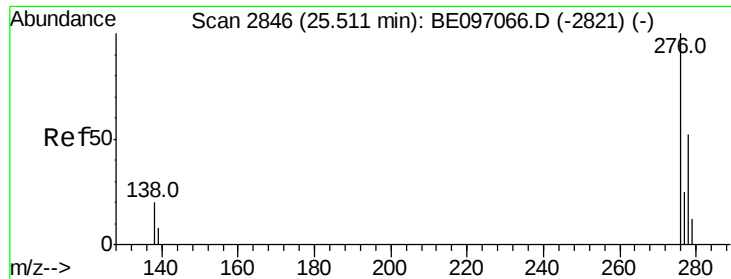


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.022 ng

RT: 25.53 min Scan# 2851

Delta R.T. 0.02 min

Lab File: BE097108.D

Acq: 26 Jul 2018 18:30

Instrument :

BNA_E

ClientSampleId :

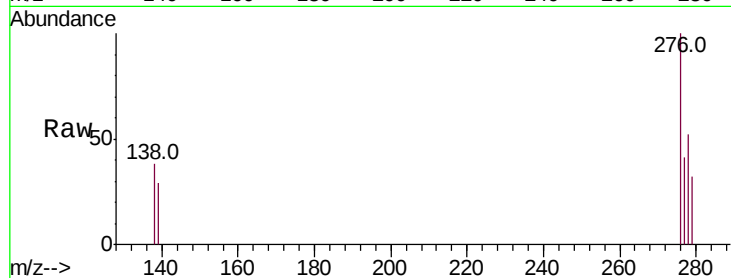
Tot Ion:276 Resp: 333

Ion Ratio Lower Upper

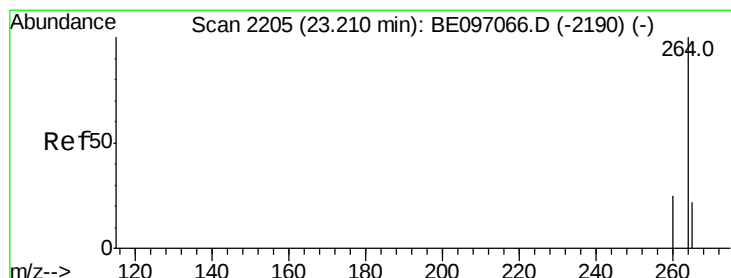
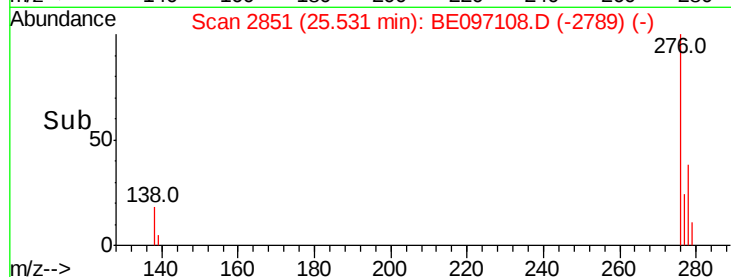
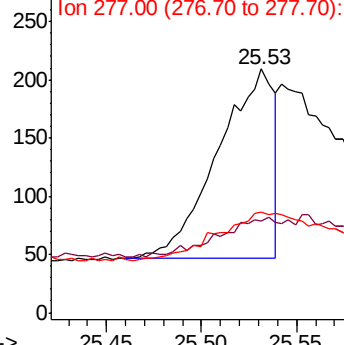
276 100

138 22.8 22.5 33.7

277 56.5 19.9 29.9#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.22 min Scan# 2206

Delta R.T. 0.01 min

Lab File: BE097108.D

Acq: 26 Jul 2018 18:30

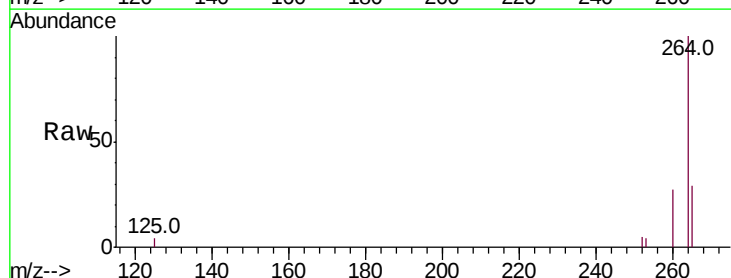
Tgt Ion:264 Resp: 4834

Ion Ratio Lower Upper

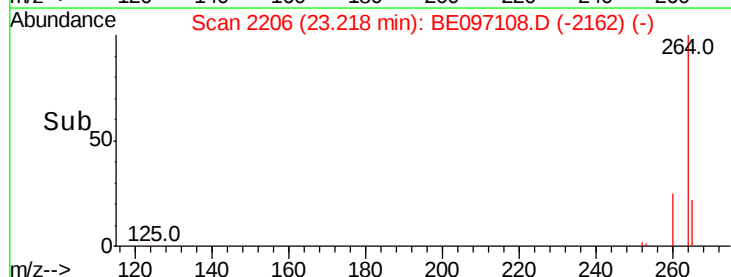
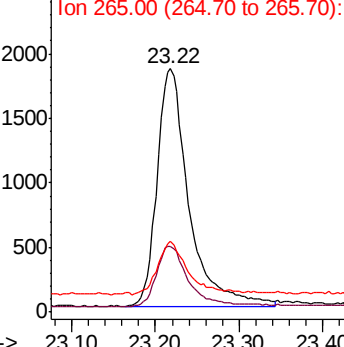
264 100

260 26.9 20.5 30.7

265 29.1 22.8 34.2



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.085 ng

RT: 22.54 min Scan# 2017

Delta R.T. 0.01 min

Lab File: BE097108.D

Acq: 26 Jul 2018 18:30

Instrument :

BNA_E

ClientSampleId :

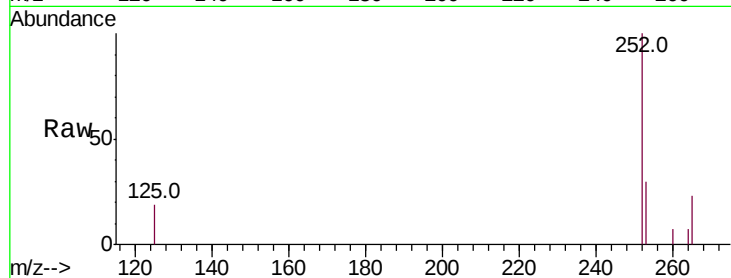
Tot Ion:252 Resp: 1044

Ion Ratio Lower Upper

252 100

253 30.0 20.0 30.0#

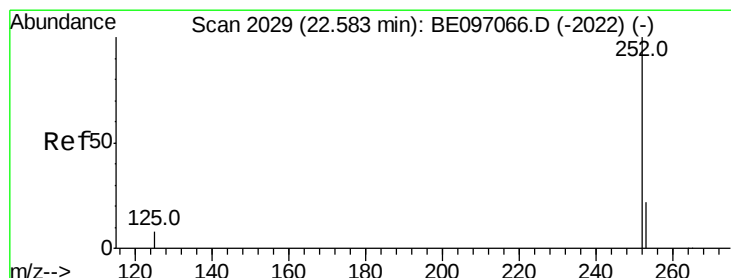
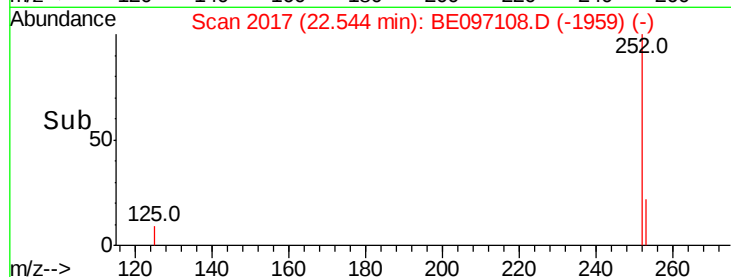
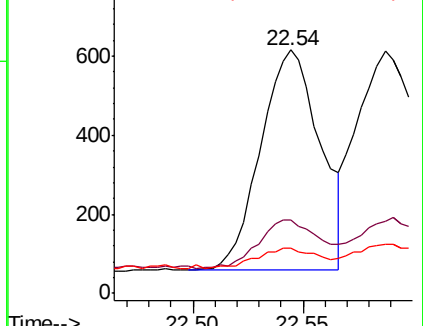
125 18.8 16.0 24.0



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: 0.093 ng

RT: 22.59 min Scan# 2029

Delta R.T. 0.00 min

Lab File: BE097108.D

Acq: 26 Jul 2018 18:30

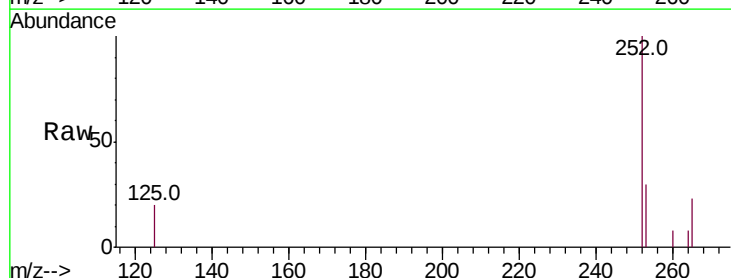
Tgt Ion:252 Resp: 1338

Ion Ratio Lower Upper

252 100

253 30.0 16.0 24.0#

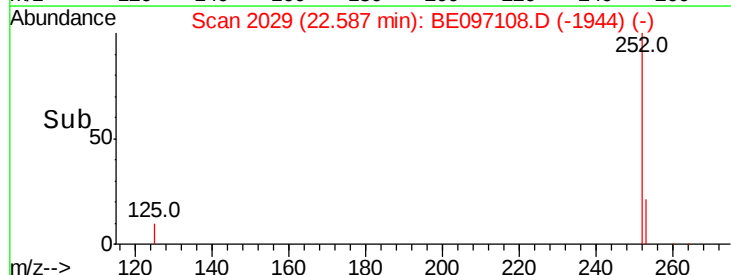
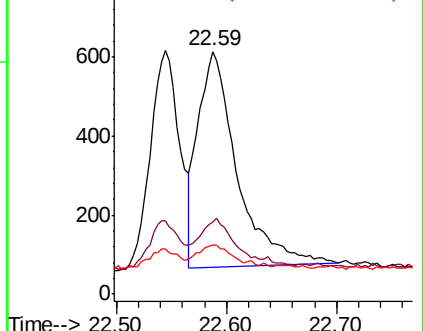
125 20.1 8.0 12.0#



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

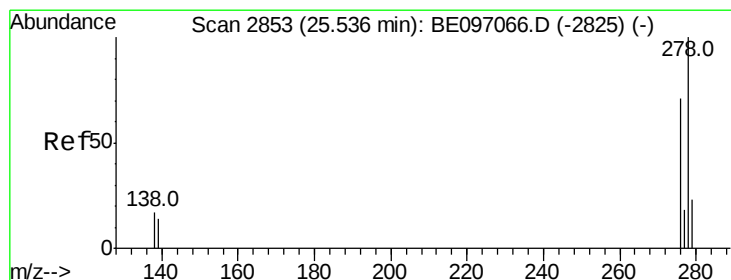
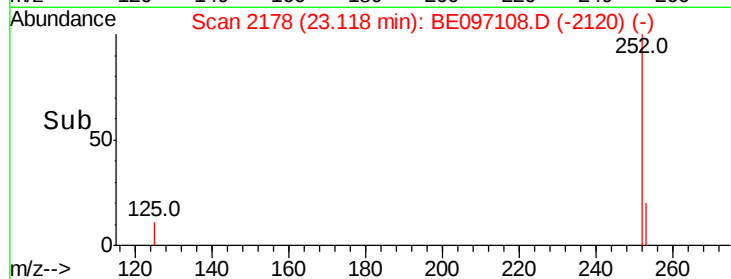
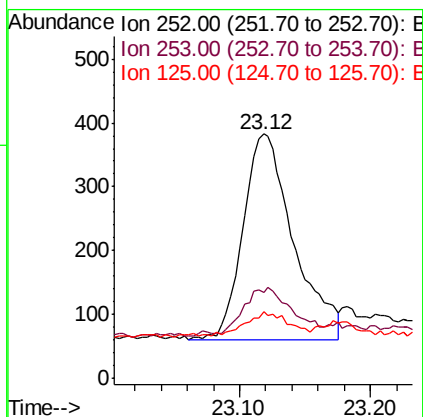
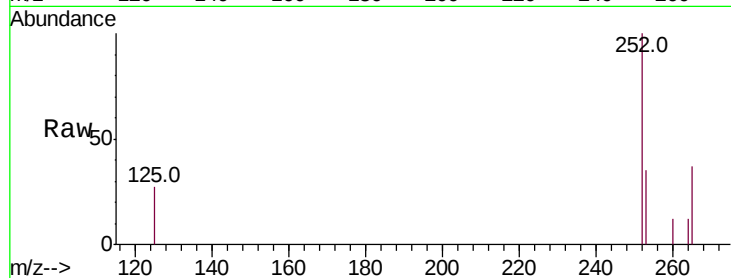




#37
Benzo(a)pyrene
Concen: 0.075 ng
RT: 23.12 min Scan# 2178
Delta R.T. 0.01 min
Lab File: BE097108.D
Acq: 26 Jul 2018 18:30

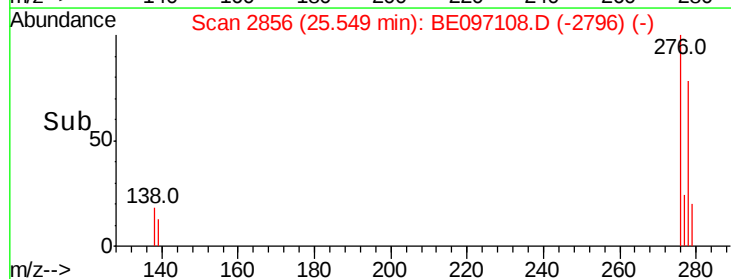
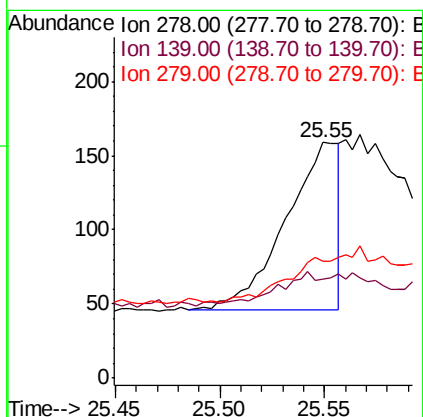
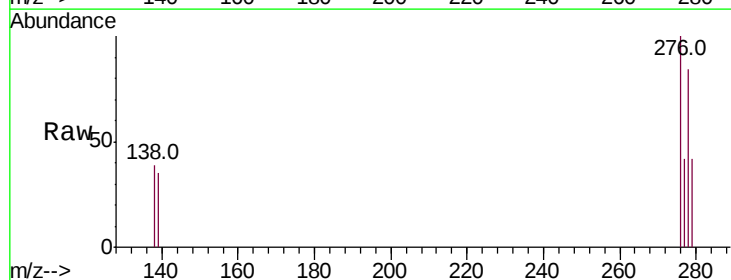
Instrument :
BNA_E
ClientSampleId :

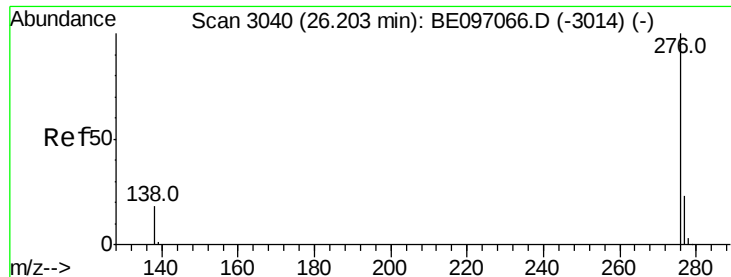
Tot Ion:252 Resp: 863
Ion Ratio Lower Upper
252 100
253 35.0 16.0 24.0#
125 27.2 12.0 18.0#



#38
Dibenzo(a,h)anthracene
Concen: 0.017 ng
RT: 25.55 min Scan# 2856
Delta R.T. 0.01 min
Lab File: BE097108.D
Acq: 26 Jul 2018 18:30

Tgt Ion:278 Resp: 199
Ion Ratio Lower Upper
278 100
139 42.1 16.0 24.0#
279 49.7 20.0 30.0#





#39

Benzo(a,h,i)perylene

Concen: 0.028 ng

RT: 26.22 min Scan# 3044

Delta R.T. 0.02 min

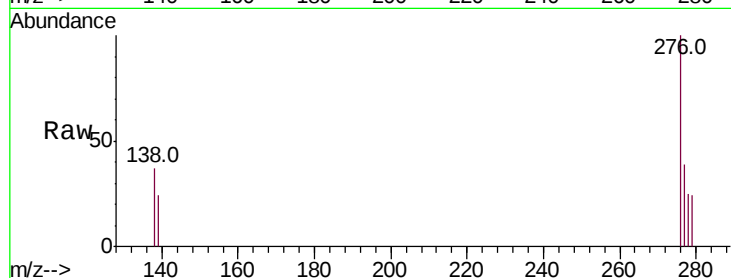
Lab File: BE097108.D

Acq: 26 Jul 2018 18:30

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 339

Ion Ratio Lower Upper

276 100

277 39.0 16.0 24.0#

138 37.1 20.0 30.0#

