

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE073118\
 Data File : BE097123.D
 Acq On : 31 Jul 2018 15:46
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 31 16:48:54 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 31 10:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1987	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	10174	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	6558	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	17945	0.40	ng	0.00
27) Chrysene-d12	20.98	240	18238	0.40	ng	0.00
34) Perylene-d12	23.21	264	18216	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	2296	0.41	ng	0.00
5) Phenol-d6	6.60	99	3550	0.43	ng	0.00
8) Nitrobenzene-d5	8.52	82	3612	0.41	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	5937	0.39	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	969	0.45	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	8832	0.39	ng	0.00
25) Fluoranthene-d10	18.81	212	71354	0.40	ng	0.00
29) Terphenyl-d14	19.43	244	13589	0.39	ng	0.00

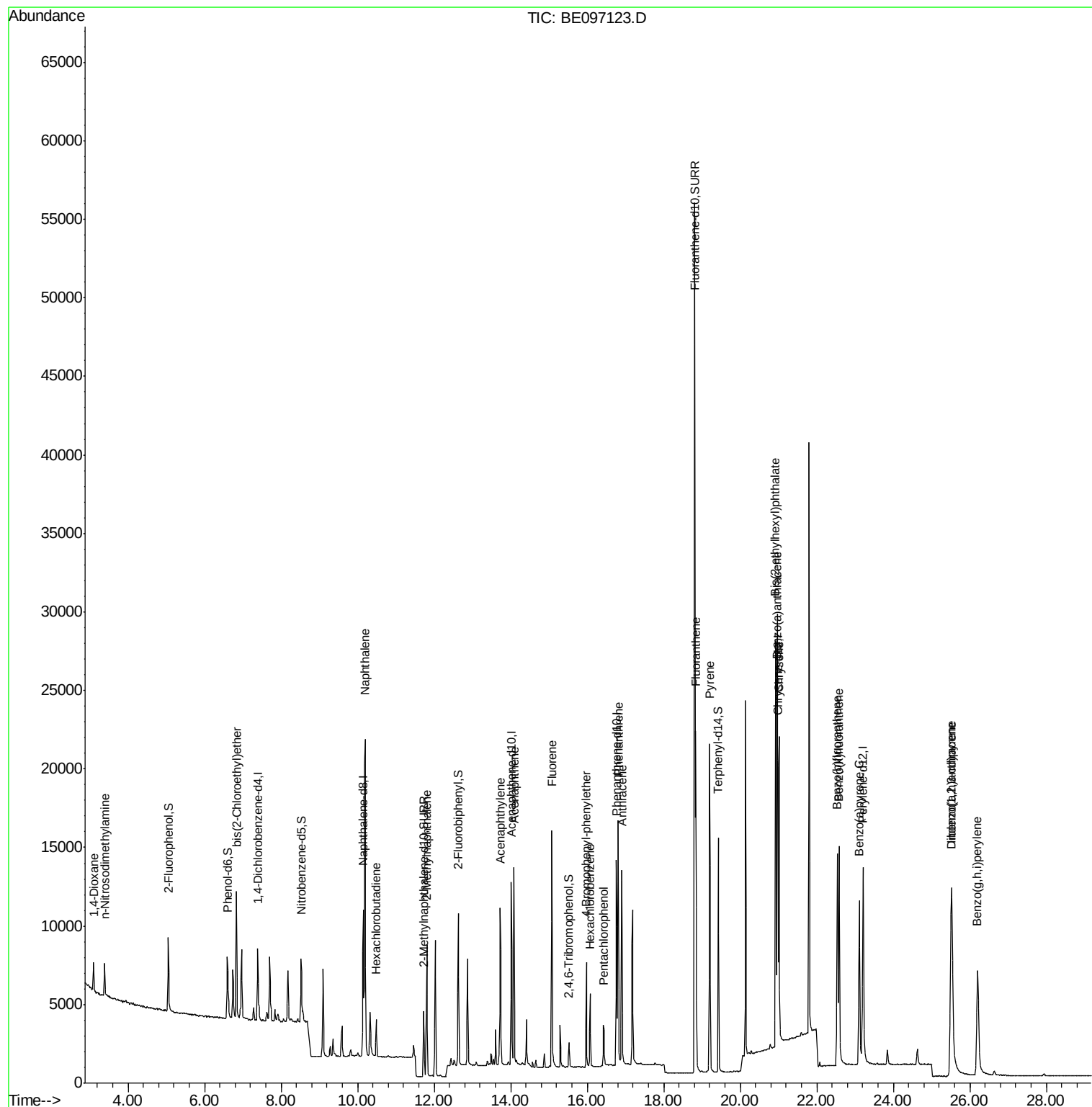
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.09	88	1153	0.365	ng	# 88
3) n-Nitrosodimethylamine	3.38	42	1386	0.393	ng	# 96
6) bis(2-Chloroethyl)ether	6.84	93	2935	0.392	ng	93
9) Naphthalene	10.20	128	35485	0.389	ng	100
10) Hexachlorobutadiene	10.48	225	1585	0.387	ng	96
12) 2-Methylnaphthalene	11.80	142	6177	0.394	ng	100
16) Acenaphthylene	13.73	152	11491	0.390	ng	99
17) Acenaphthene	14.08	154	6766	0.395	ng	95
18) Fluorene	15.08	166	9042	0.400	ng	# 80
20) 4-Bromophenyl-phenylether	15.97	248	3399	0.390	ng	86
21) Hexachlorobenzene	16.08	284	3458	0.370	ng	# 83
22) Pentachlorophenol	16.44	266	1573	0.660	ng	# 74
23) Phenanthrene	16.81	178	16741	0.391	ng	99
24) Anthracene	16.91	178	15232	0.398	ng	96
26) Fluoranthene	18.84	202	19001	0.396	ng	98
28) Pyrene	19.20	202	19402	0.388	ng	99
30) Benzo(a)anthracene	20.95	228	18137	0.400	ng	98
31) Chrysene	21.01	228	19555	0.402	ng	98
32) Bis(2-ethylhexyl)phthalate	20.92	149	33514	0.675	ng	# 100
33) Indeno(1,2,3-cd)pyrene	25.51	276	20972	0.476	ng	# 93
35) Benzo(b)fluoranthene	22.54	252	17193	0.372	ng	# 89
36) Benzo(k)fluoranthene	22.58	252	19648	0.364	ng	94
37) Benzo(a)pyrene	23.11	252	17090	0.393	ng	# 92
38) Dibenzo(a,h)anthracene	25.53	278	17459	0.402	ng	98
39) Benzo(g,h,i)perylene	26.21	276	17905	0.389	ng	# 90

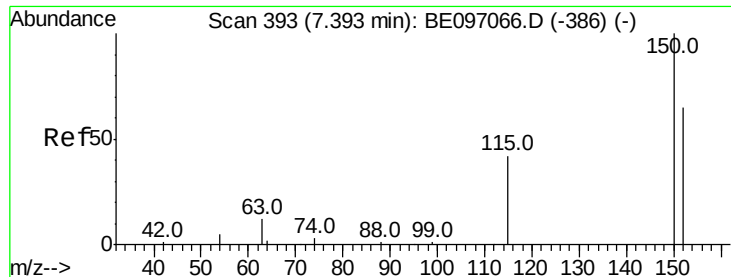
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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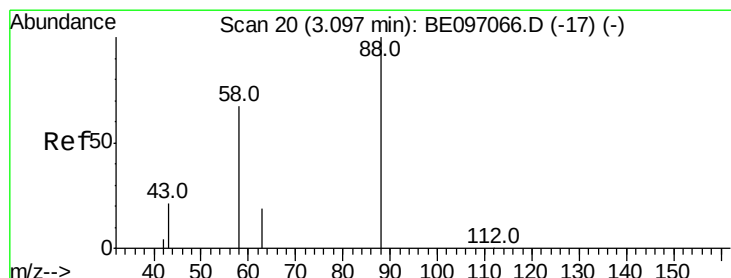
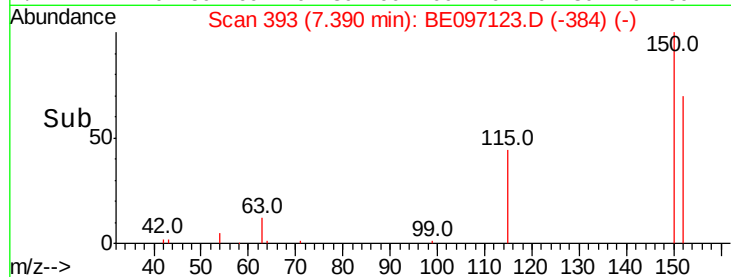
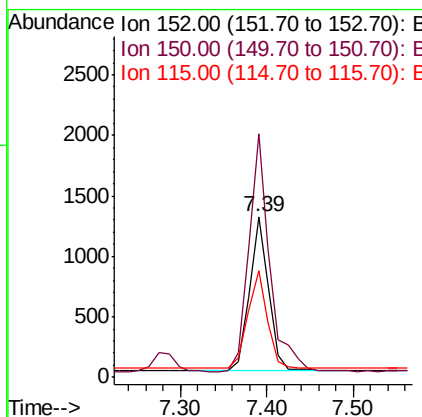
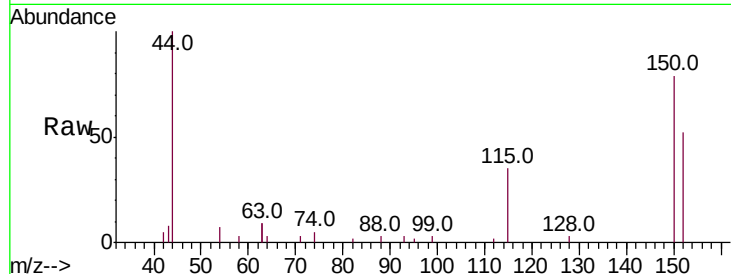


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.39 min Scan# 393
 Delta R.T. 0.00 min
 Lab File: BE097123.D
 Acq: 31 Jul 2018 15:46

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:152 Resp: 1987

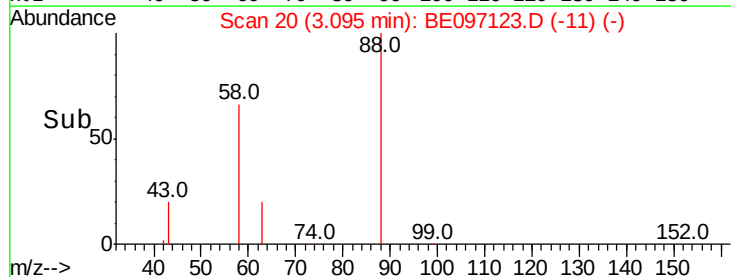
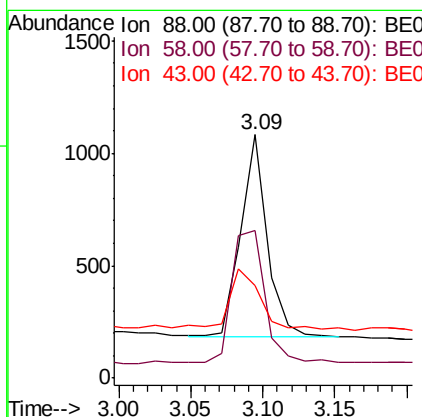
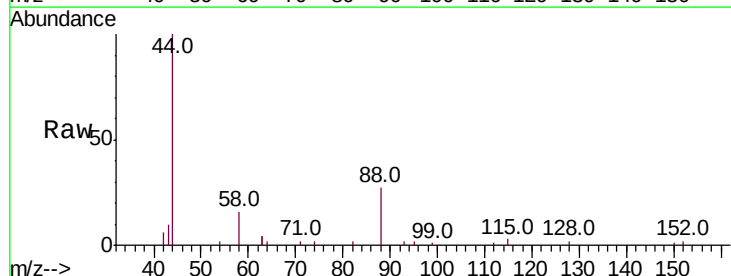
Ion	Ratio	Lower	Upper
152	100		
150	151.5	117.2	175.8
115	66.3	57.0	85.6

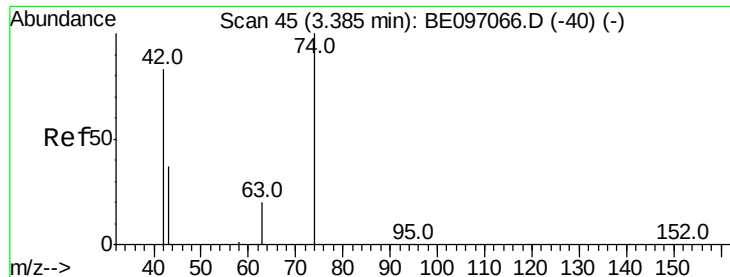


#2
 1,4-Dioxane
 Concen: 0.365 ng
 RT: 3.09 min Scan# 20
 Delta R.T. 0.00 min
 Lab File: BE097123.D
 Acq: 31 Jul 2018 15:46

Tgt Ion: 88 Resp: 1153

Ion	Ratio	Lower	Upper
88	100		
58	82.4	63.2	94.8
43	34.9	41.2	61.8#





#3

n-Nitrosodimethylamine

Concen: 0.393 ng

RT: 3.38 min Scan# 45

Delta R.T. 0.00 min

Lab File: BE097123.D

Acq: 31 Jul 2018 15:46

Instrument :

BNA_E

ClientSampleId :

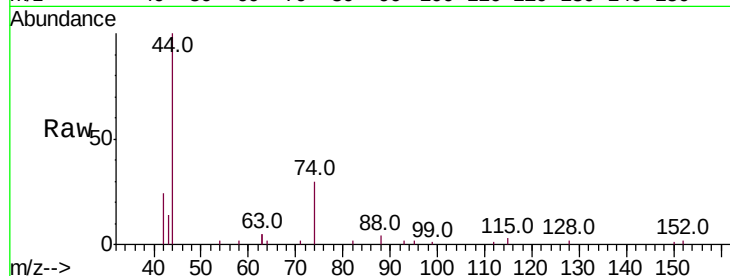
Tot Ion: 42 Resp: 1386

Ion Ratio Lower Upper

42 100

74 119.4 96.0 144.0

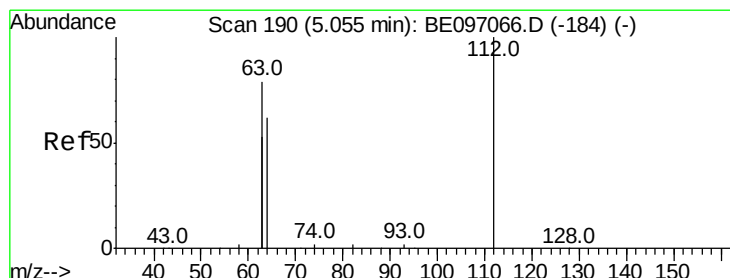
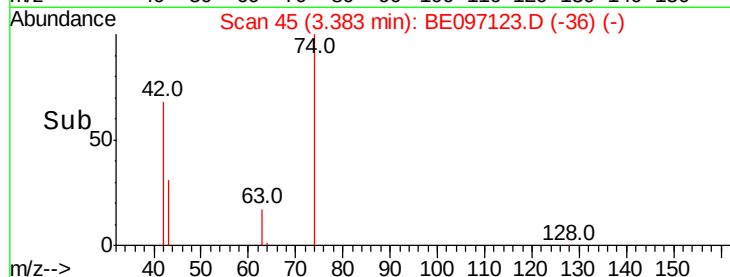
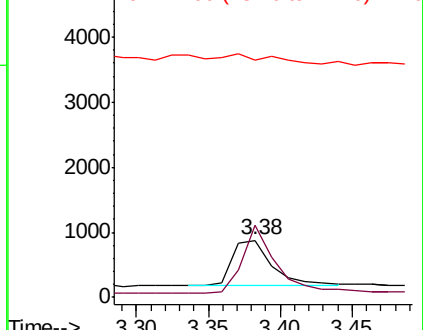
44 0.0 12.0 18.0#



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: 0.411 ng

RT: 5.05 min Scan# 190

Delta R.T. 0.00 min

Lab File: BE097123.D

Acq: 31 Jul 2018 15:46

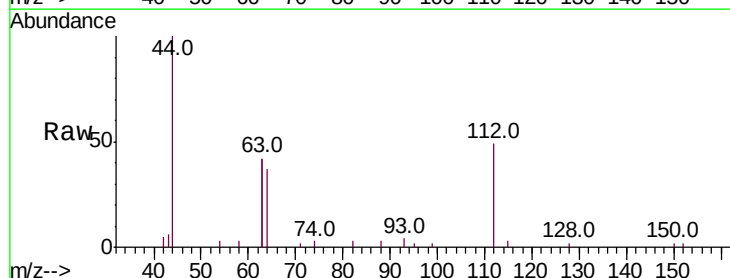
Tgt Ion: 112 Resp: 2296

Ion Ratio Lower Upper

112 100

64 68.6 60.1 90.1

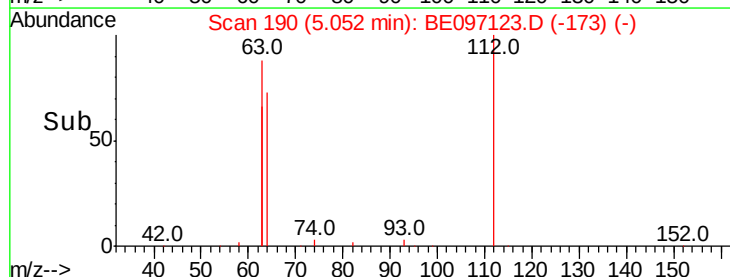
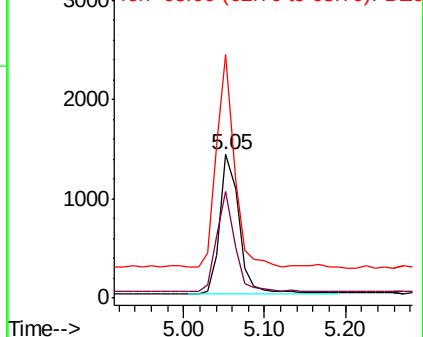
63 141.6 116.8 175.2

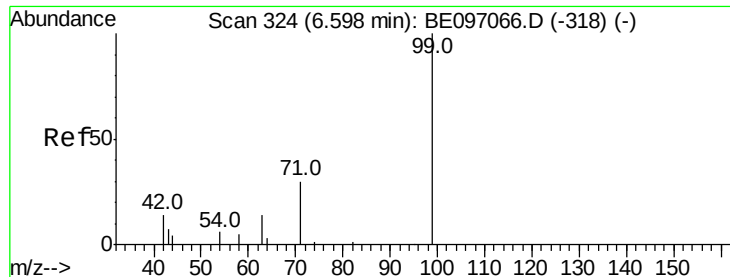


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.433 ng

RT: 6.60 min Scan# 324

Delta R.T. 0.00 min

Lab File: BE097123.D

Acq: 31 Jul 2018 15:46

Instrument :

BNA_E

ClientSampled :

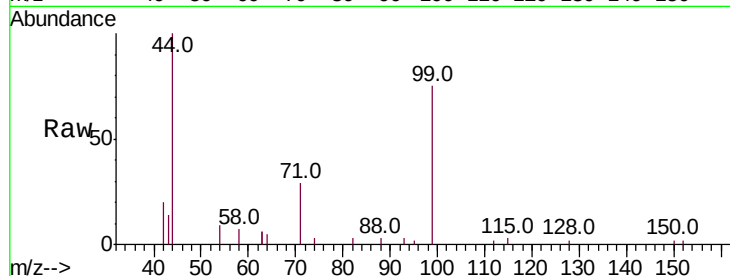
Tot Ion: 99 Resp: 3550

Ion Ratio Lower Upper

99 100

42 22.8 20.2 30.2

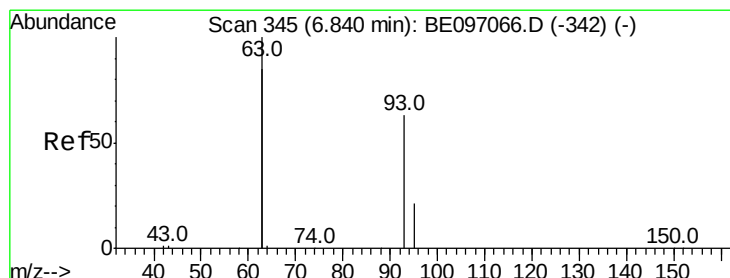
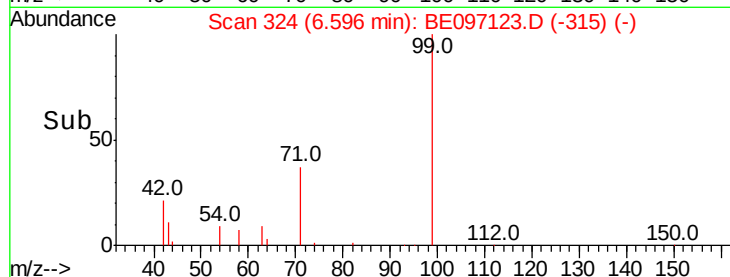
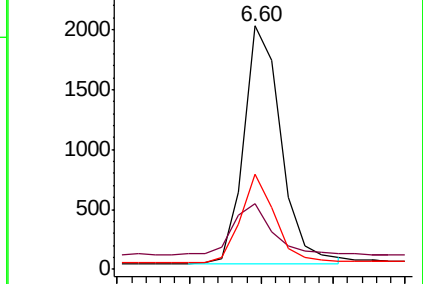
71 34.6 28.4 42.6



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: 0.392 ng

RT: 6.84 min Scan# 345

Delta R.T. 0.00 min

Lab File: BE097123.D

Acq: 31 Jul 2018 15:46

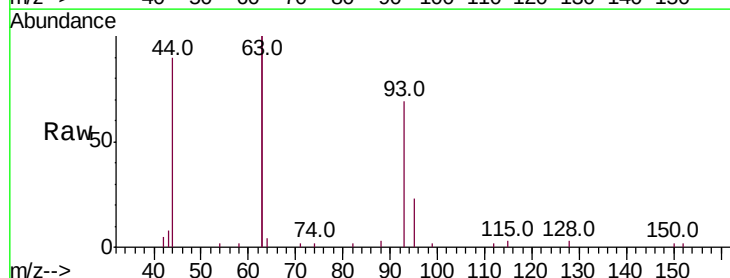
Tgt Ion: 93 Resp: 2935

Ion Ratio Lower Upper

93 100

63 327.2 275.3 412.9

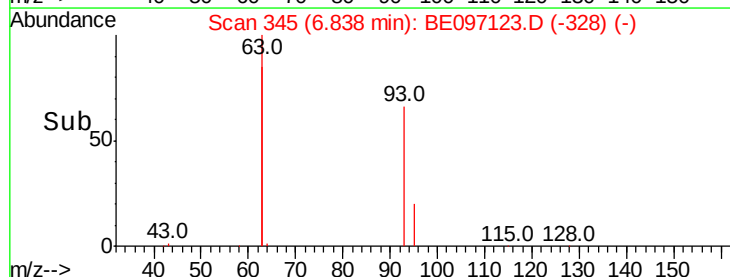
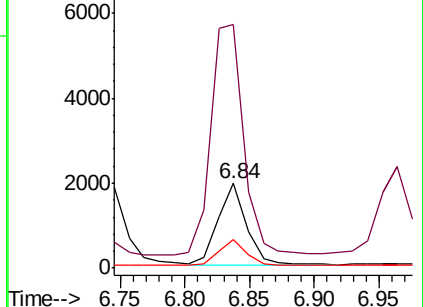
95 31.8 25.2 37.8

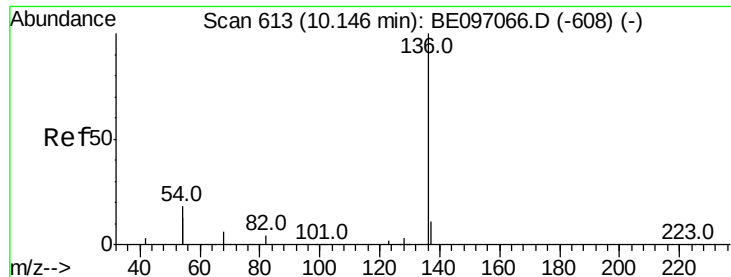


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE097123.D

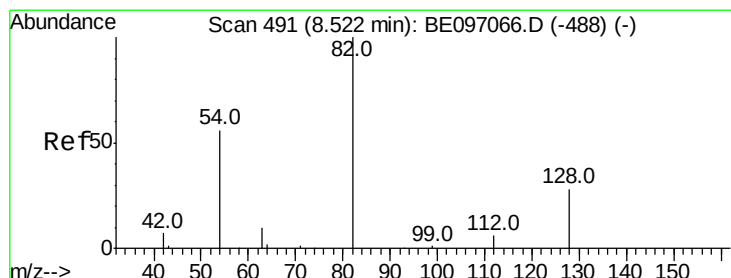
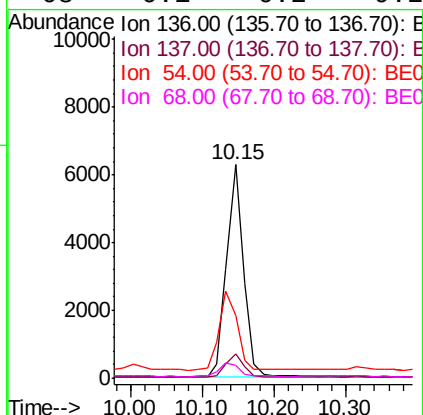
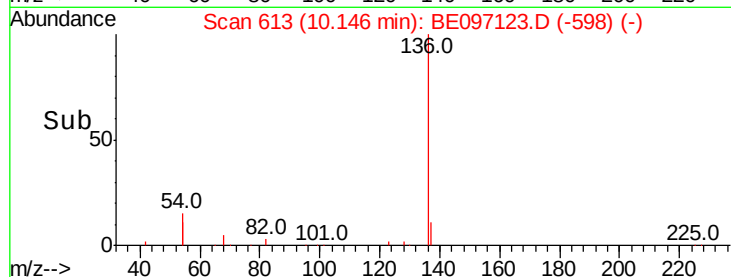
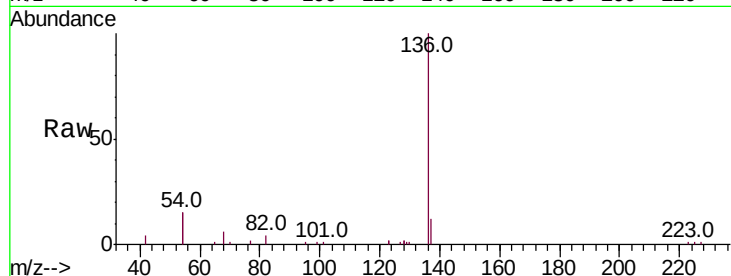
Acq: 31 Jul 2018 15:46

Instrument :

BNA_E

ClientSampled :

Tot Ion:136	Resp:	10174
Ion	Ratio	Lower Upper
136	100	
137	11.6	9.5 14.3
54	29.7	29.1 43.7
68	6.1	6.2 9.2#



#8

Nitrobenzene-d5

Concen: 0.409 ng

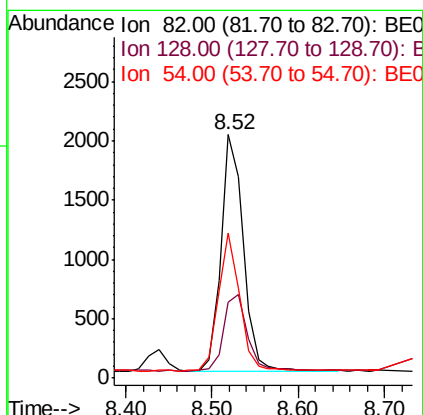
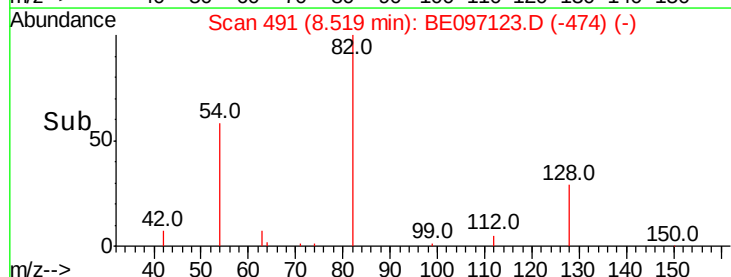
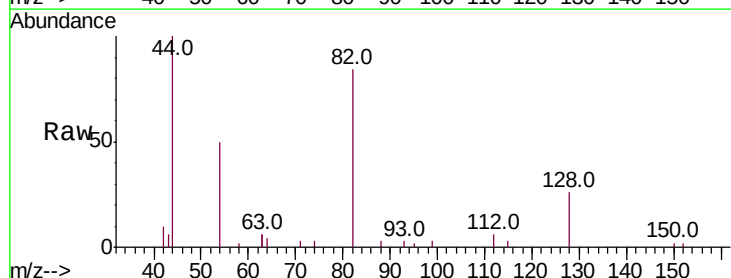
RT: 8.52 min Scan# 491

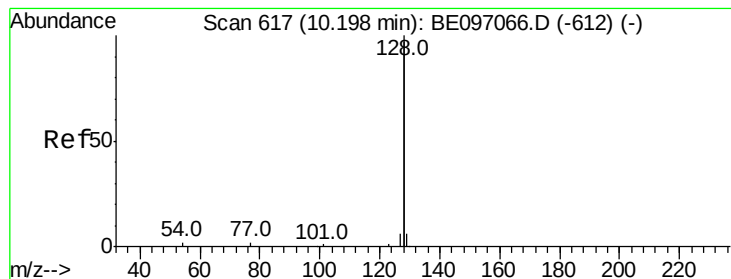
Delta R.T. 0.00 min

Lab File: BE097123.D

Acq: 31 Jul 2018 15:46

Tgt Ion: 82	Resp:	3612
Ion	Ratio	Lower Upper
82	100	
128	31.0	24.0 36.0
54	59.7	40.0 60.0





#9

Naphthalene

Concen: 0.389 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.00 min

Lab File: BE097123.D

Acq: 31 Jul 2018 15:46

Instrument :

BNA_E

ClientSampled :

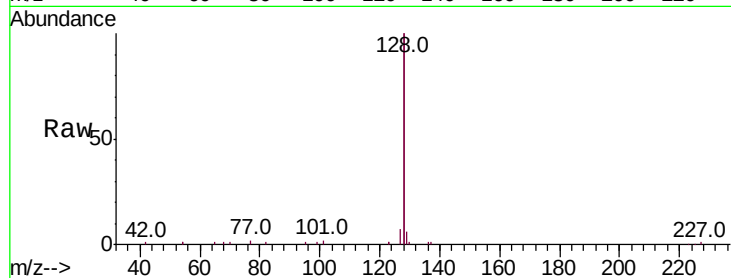
Tot Ion:128 Resp: 35485

Ion Ratio Lower Upper

128 100

129 3.1 2.6 3.8

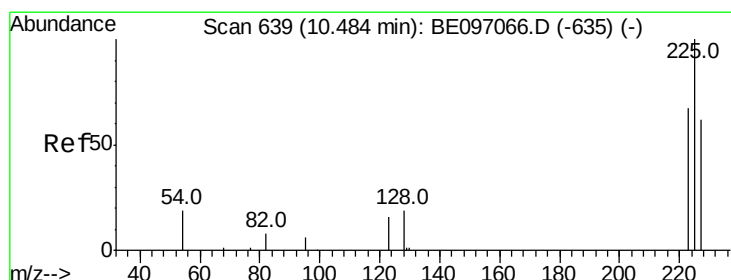
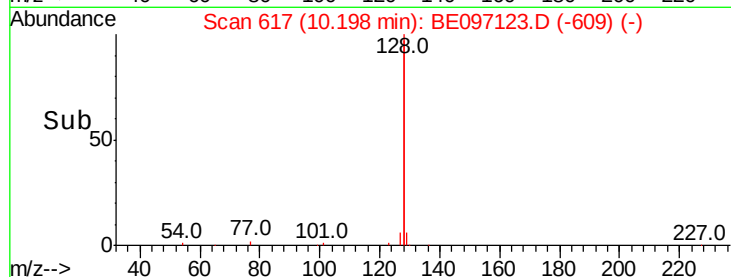
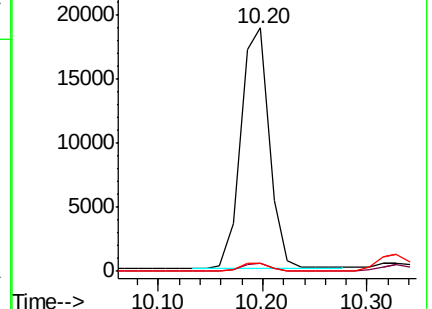
127 3.5 2.8 4.2



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: 0.387 ng

RT: 10.48 min Scan# 639

Delta R.T. 0.00 min

Lab File: BE097123.D

Acq: 31 Jul 2018 15:46

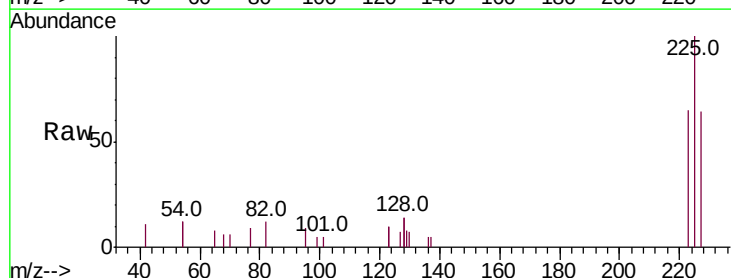
Tgt Ion:225 Resp: 1585

Ion Ratio Lower Upper

225 100

223 61.5 53.0 79.6

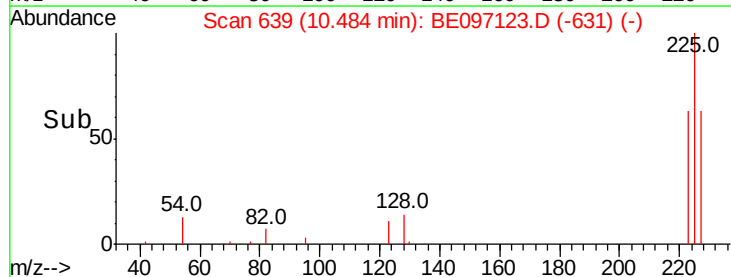
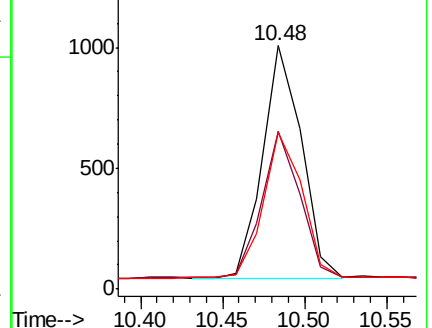
227 63.1 51.4 77.2

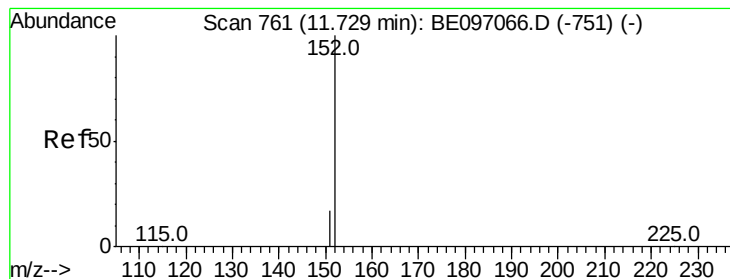


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.390 ng

RT: 11.73 min Scan# 761

Delta R.T. 0.00 min

Lab File: BE097123.D

Acq: 31 Jul 2018 15:46

Instrument :

BNA_E

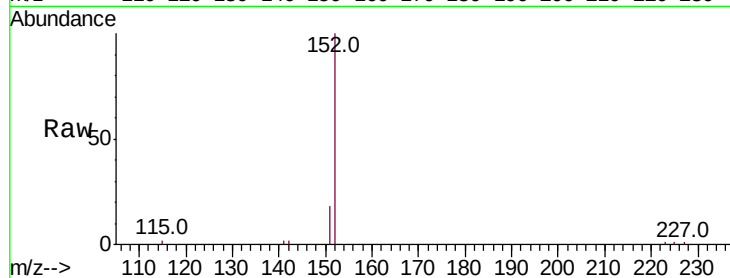
ClientSampleId :

Tot Ion:152 Resp: 5937

Ion Ratio Lower Upper

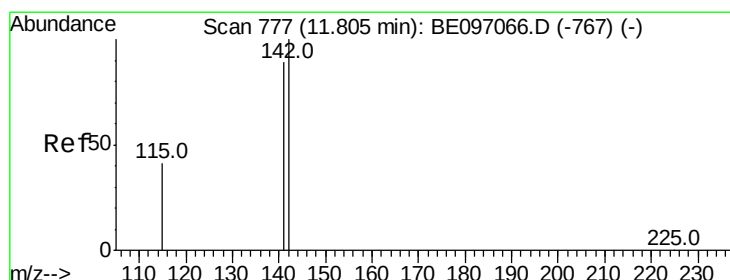
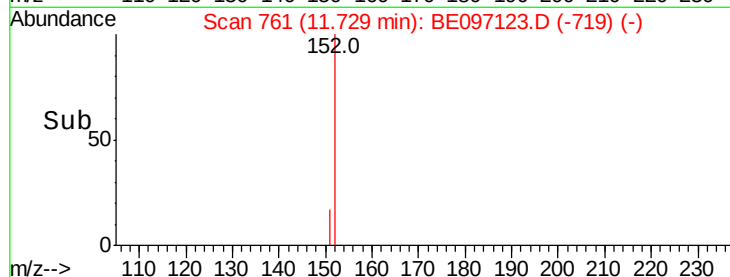
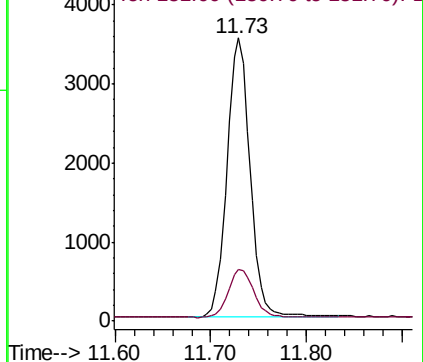
152 100

151 19.1 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: 0.394 ng

RT: 11.80 min Scan# 777

Delta R.T. -0.00 min

Lab File: BE097123.D

Acq: 31 Jul 2018 15:46

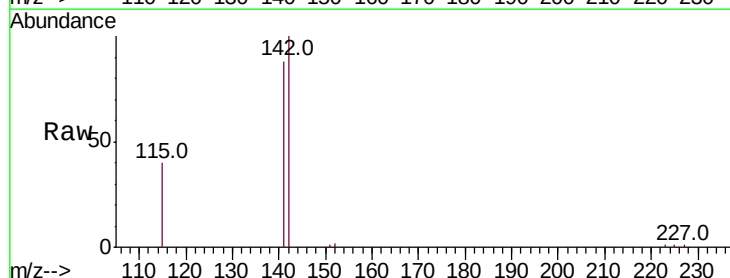
Tgt Ion:142 Resp: 6177

Ion Ratio Lower Upper

142 100

141 87.8 70.4 105.6

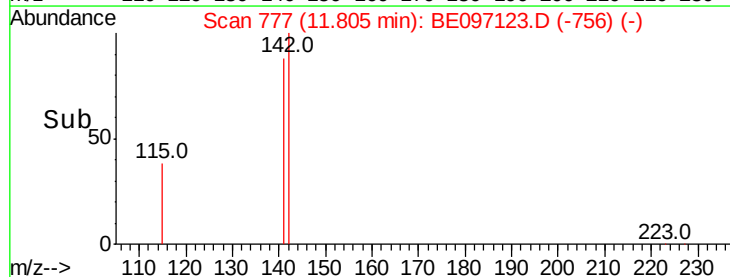
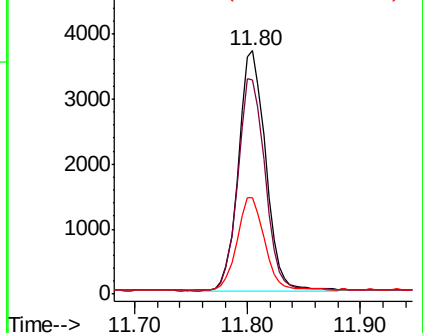
115 39.6 31.7 47.5

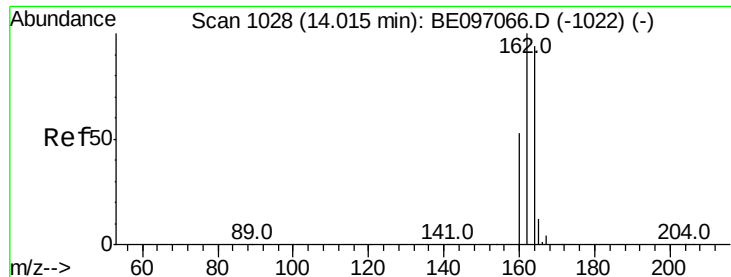


Abundance Ion 142.00 (141.70 to 142.70): E

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: BE097123.D

Acq: 31 Jul 2018 15:46

Instrument :

BNA_E

ClientSampleId :

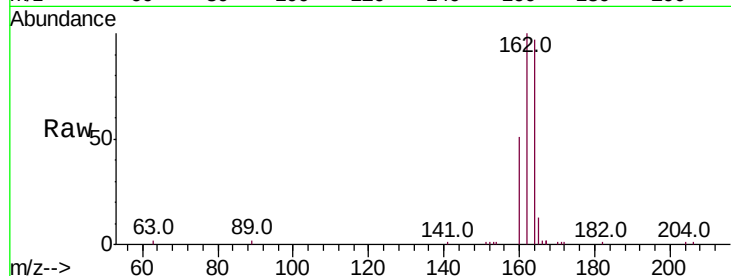
Tot Ion:164 Resp: 6558

Ion Ratio Lower Upper

164 100

162 102.8 83.1 124.7

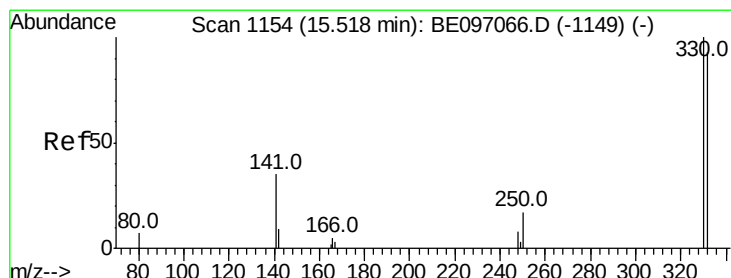
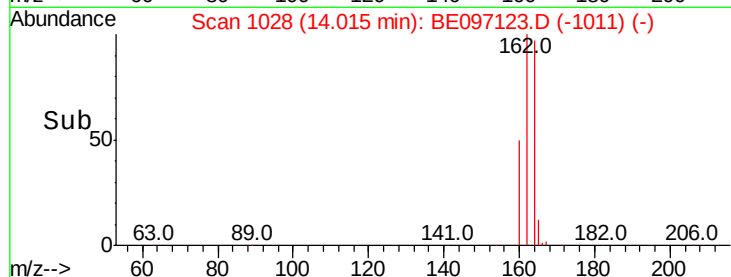
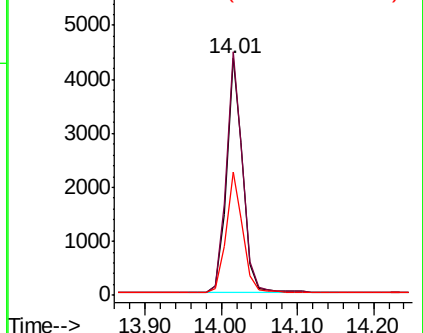
160 51.9 37.1 55.7



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.449 ng

RT: 15.52 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BE097123.D

Acq: 31 Jul 2018 15:46

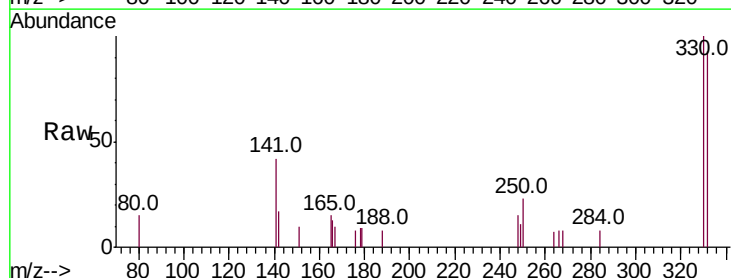
Tgt Ion:330 Resp: 969

Ion Ratio Lower Upper

330 100

332 96.5 152.7 229.1#

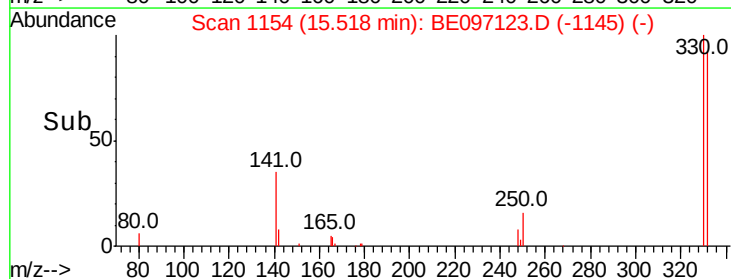
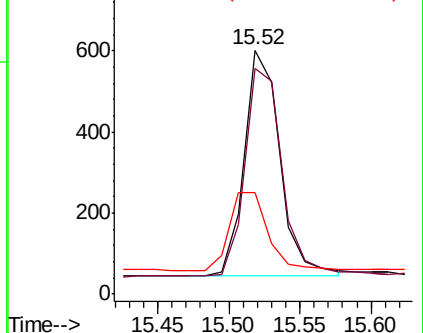
141 37.9 33.7 50.5

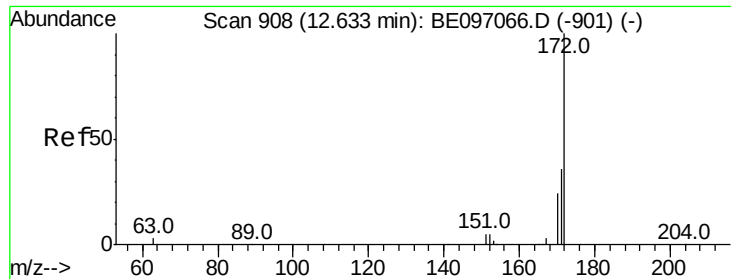


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

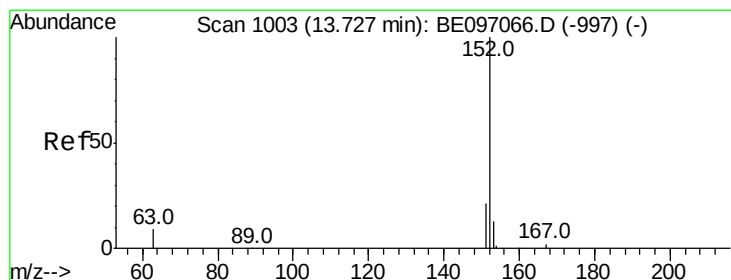
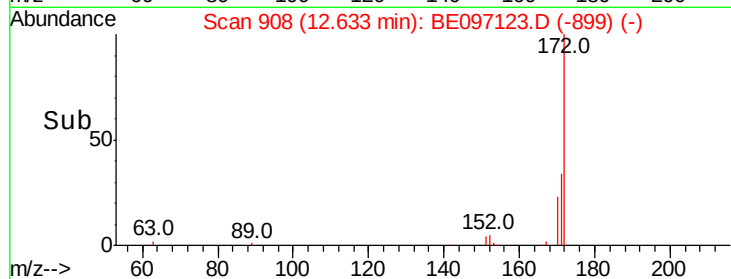
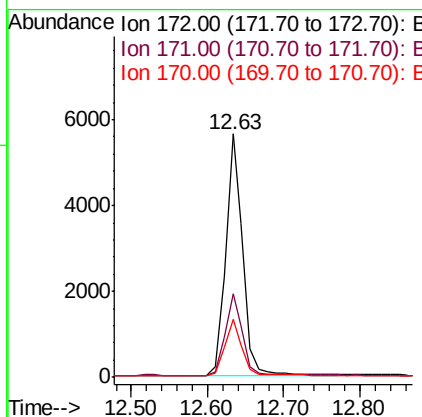
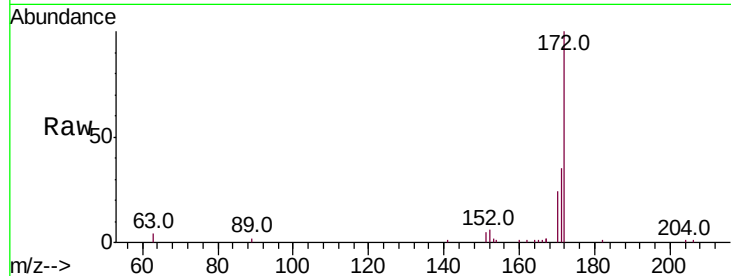




#15
2-Fluorobiphenyl
Concen: 0.390 ng
RT: 12.63 min Scan# 908
Delta R.T. 0.00 min
Lab File: BE097123.D
Acq: 31 Jul 2018 15:46

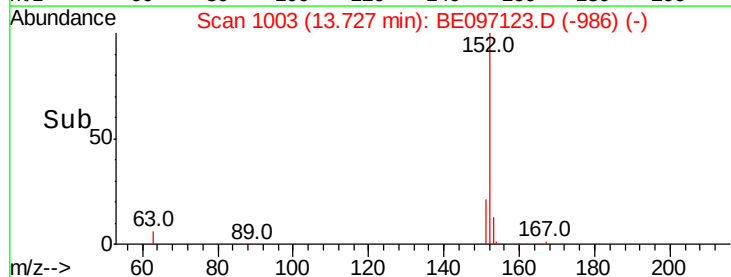
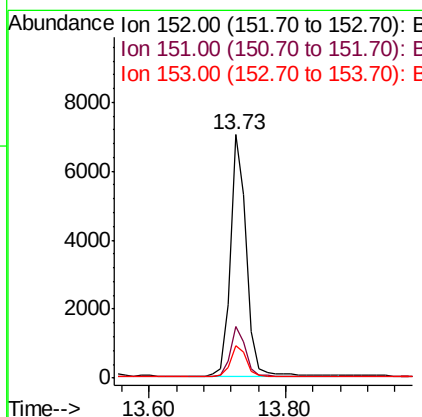
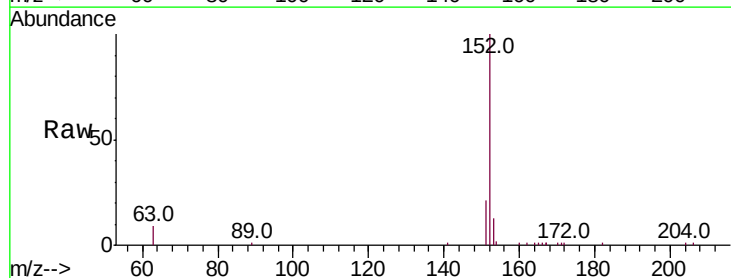
Instrument :
BNA_E
ClientSampleId :

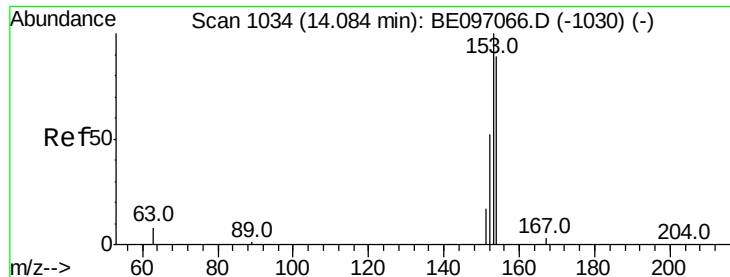
Tot Ion:172 Resp: 8832
Ion Ratio Lower Upper
172 100
171 34.5 29.9 44.9
170 23.7 21.8 32.8



#16
Acenaphthylene
Concen: 0.390 ng
RT: 13.73 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BE097123.D
Acq: 31 Jul 2018 15:46

Tgt Ion:152 Resp: 11491
Ion Ratio Lower Upper
152 100
151 20.0 15.7 23.5
153 12.7 10.5 15.7





#17

Acenaphthene

Concen: 0.395 ng

RT: 14.08 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BE097123.D

Acq: 31 Jul 2018 15:46

Instrument :

BNA_E

ClientSampleId :

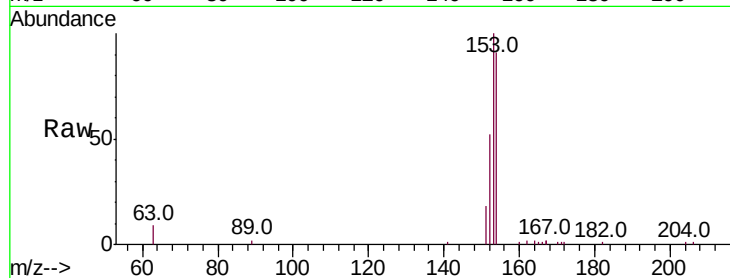
Tot Ion:154 Resp: 6766

Ion Ratio Lower Upper

154 100

153 114.0 89.2 133.8

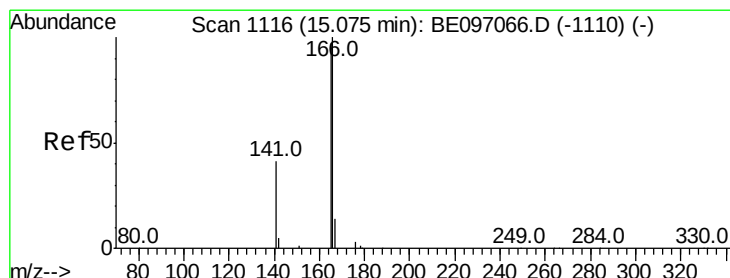
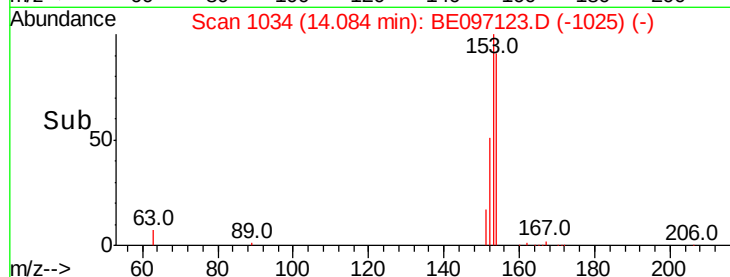
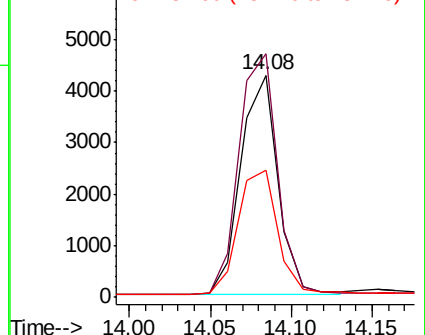
152 60.2 42.0 63.0



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: 0.400 ng

RT: 15.08 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE097123.D

Acq: 31 Jul 2018 15:46

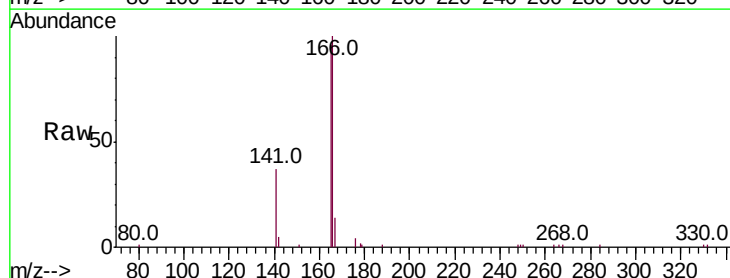
Tgt Ion:166 Resp: 9042

Ion Ratio Lower Upper

166 100

165 97.6 77.8 116.6

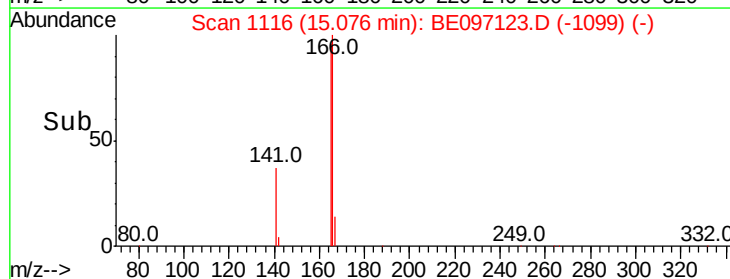
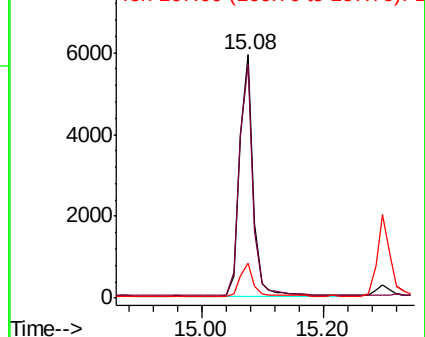
167 13.1 42.4 63.6#

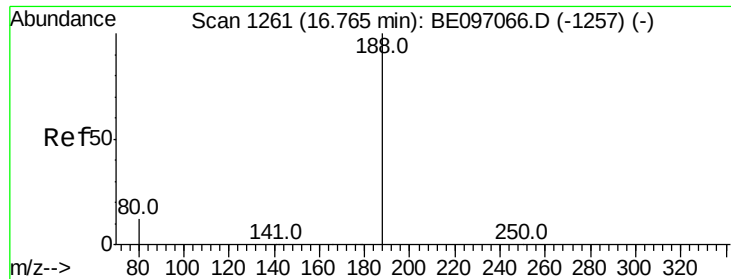


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE097123.D

Acq: 31 Jul 2018 15:46

Instrument :

BNA_E

ClientSampleId :

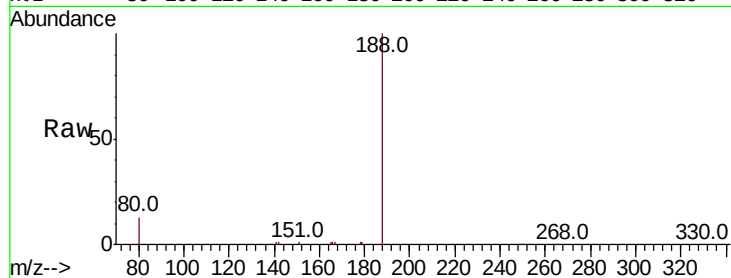
Tot Ion:188 Resp: 17945

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

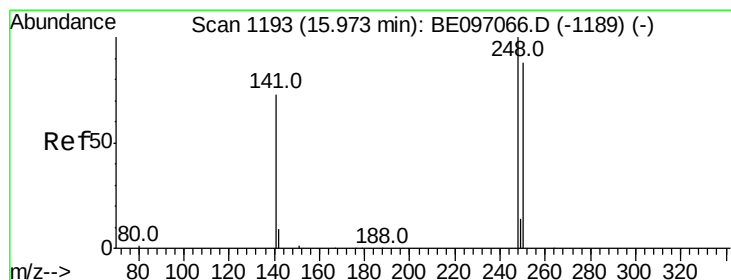
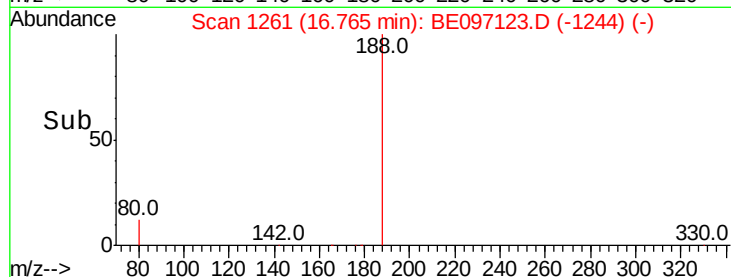
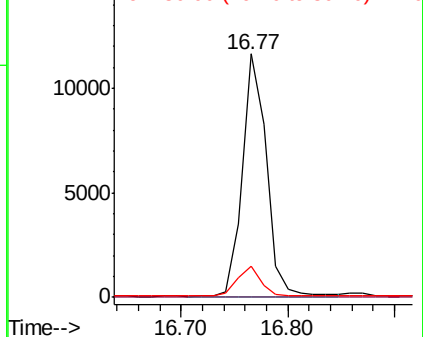
80 12.7 3.6 5.4#



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: 0.390 ng

RT: 15.97 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BE097123.D

Acq: 31 Jul 2018 15:46

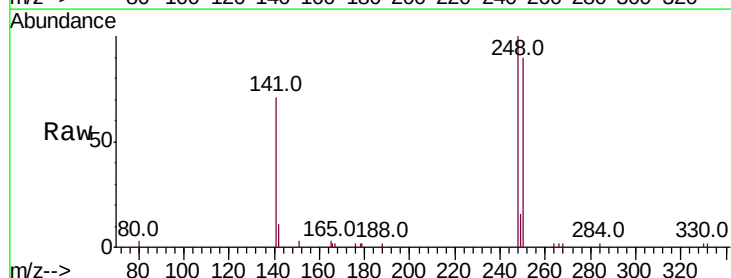
Tgt Ion:248 Resp: 3399

Ion Ratio Lower Upper

248 100

250 90.3 62.7 94.1

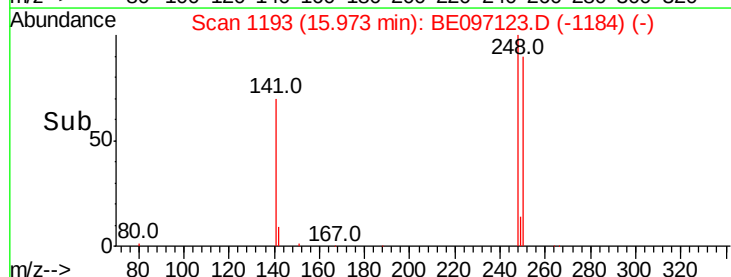
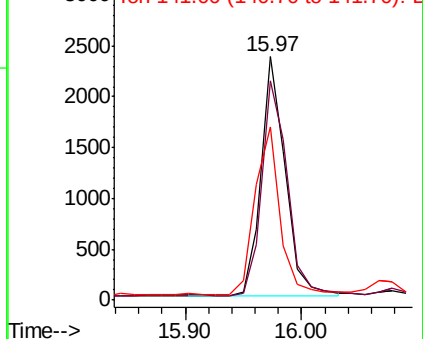
141 71.2 48.2 72.2

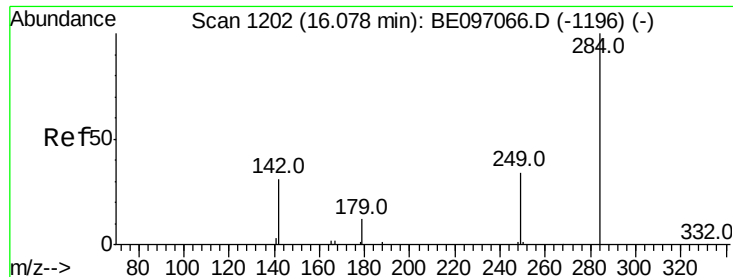


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

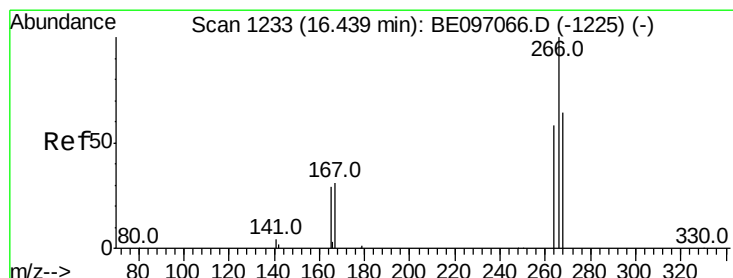
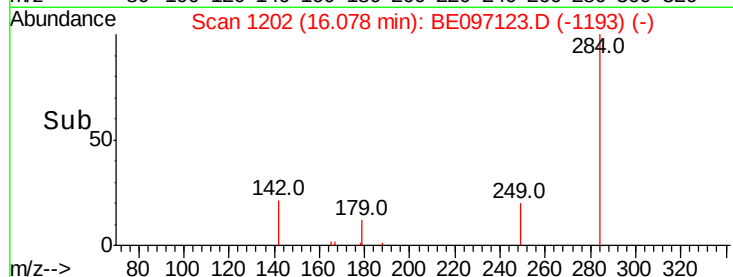
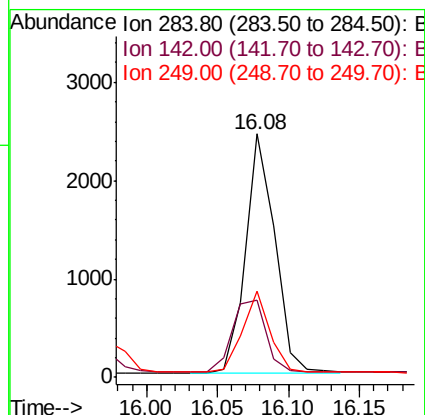
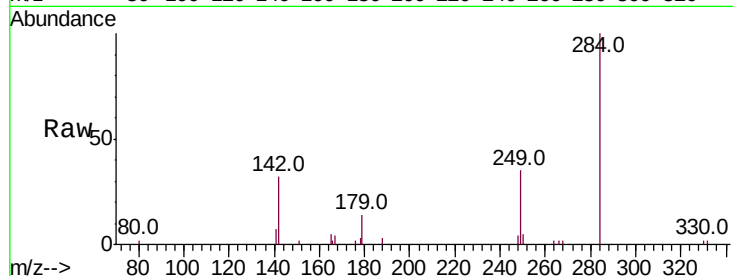




#21
Hexachlorobenzene
Concen: 0.370 ng
RT: 16.08 min Scan# 1202
Delta R.T. 0.00 min
Lab File: BE097123.D
Acq: 31 Jul 2018 15:46

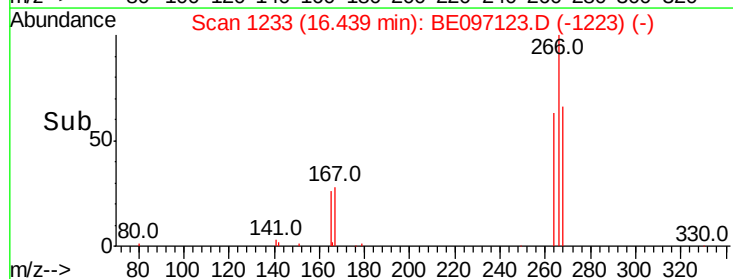
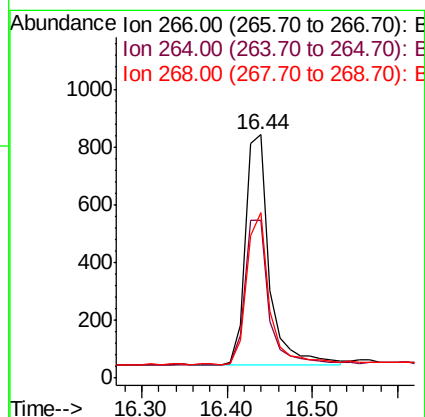
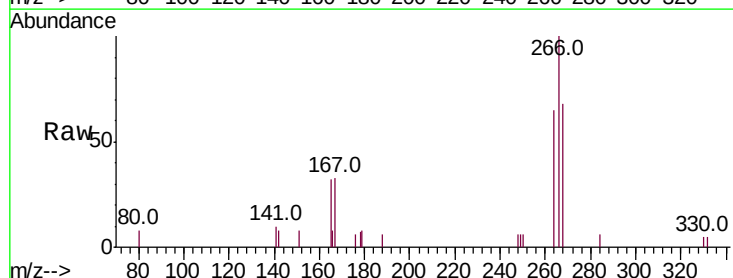
Instrument :
BNA_E
ClientSampleId :

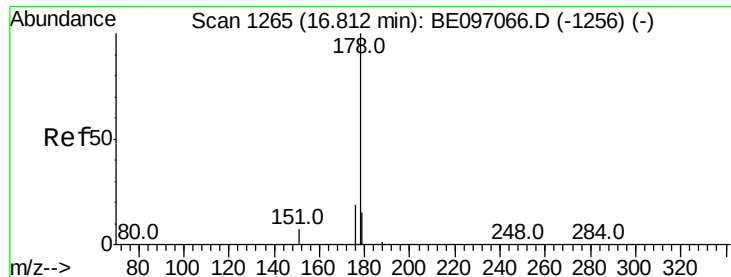
Tot Ion:284 Resp: 3458
Ion Ratio Lower Upper
284 100
142 34.7 22.1 33.1#
249 31.4 34.8 52.2#



#22
Pentachlorophenol
Concen: 0.660 ng
RT: 16.44 min Scan# 1233
Delta R.T. 0.01 min
Lab File: BE097123.D
Acq: 31 Jul 2018 15:46

Tgt Ion:266 Resp: 1573
Ion Ratio Lower Upper
266 100
264 64.8 72.5 108.7#
268 67.8 73.8 110.6#





#23

Phenanthrene

Concen: 0.391 ng

RT: 16.81 min Scan# 1265

Delta R.T. 0.00 min

Lab File: BE097123.D

Acq: 31 Jul 2018 15:46

Instrument :

BNA_E

ClientSampled :

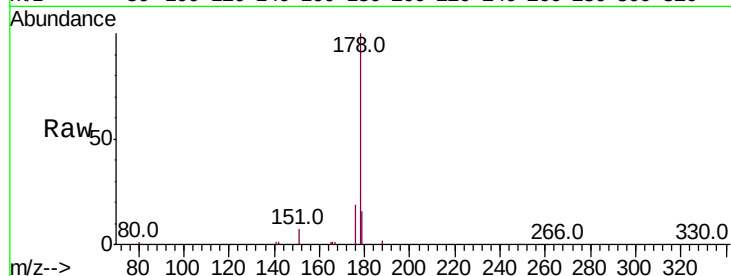
Tot Ion:178 Resp: 16741

Ion Ratio Lower Upper

178 100

176 19.1 15.1 22.7

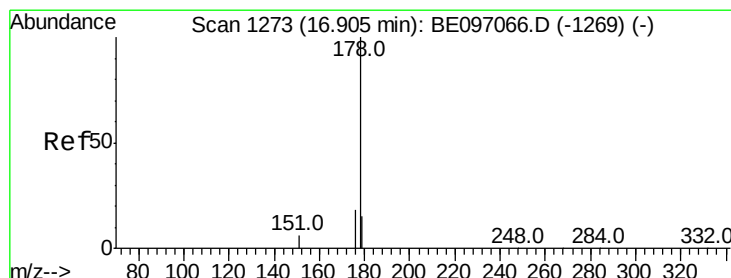
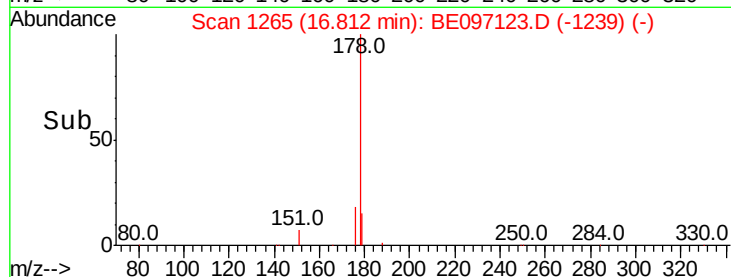
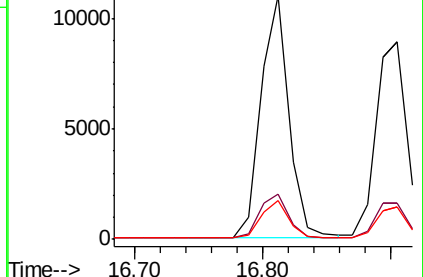
179 15.5 11.8 17.6



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: 0.398 ng

RT: 16.91 min Scan# 1273

Delta R.T. 0.01 min

Lab File: BE097123.D

Acq: 31 Jul 2018 15:46

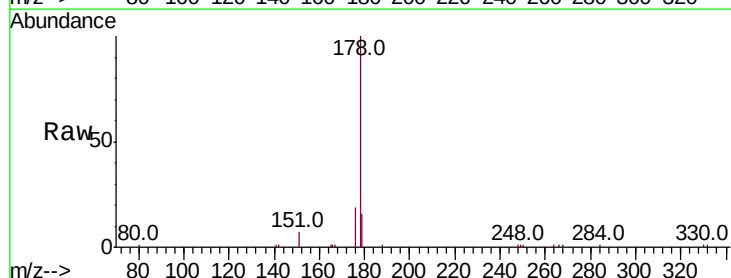
Tgt Ion:178 Resp: 15232

Ion Ratio Lower Upper

178 100

176 18.6 12.8 19.2

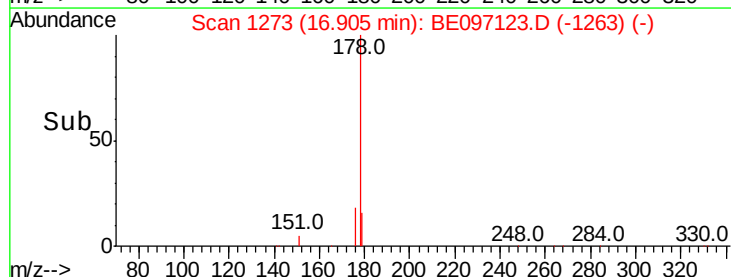
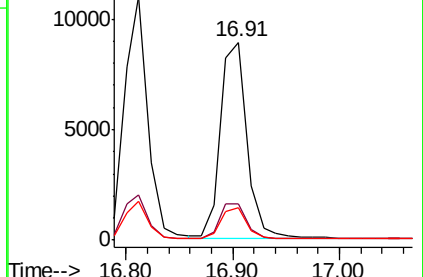
179 15.3 13.0 19.6

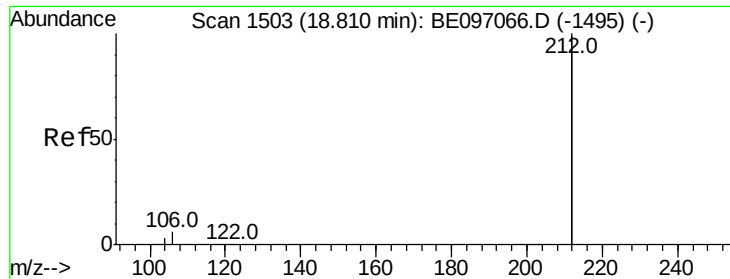


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.397 ng

RT: 18.81 min Scan# 1503

Delta R.T. 0.00 min

Lab File: BE097123.D

Acq: 31 Jul 2018 15:46

Instrument :

BNA_E

ClientSampleId :

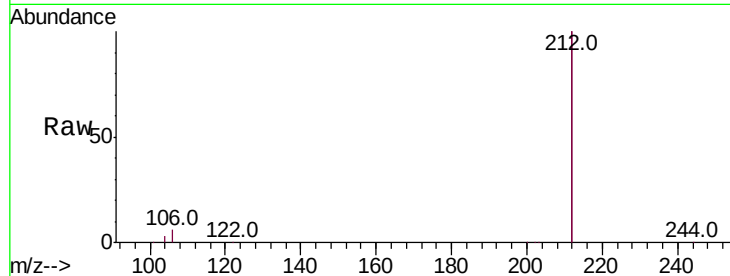
Tot Ion:212 Resp: 71354

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

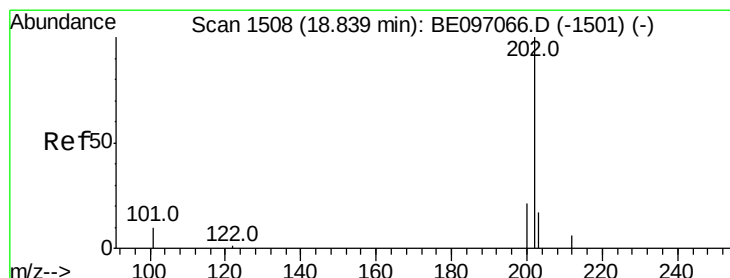
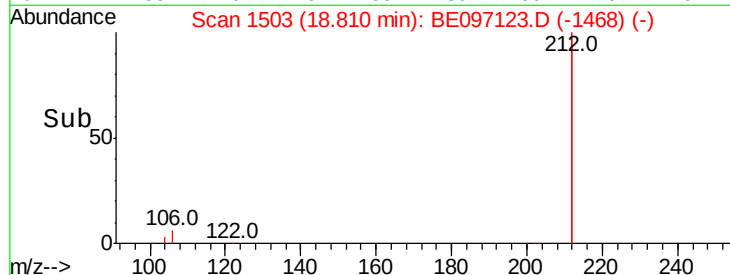
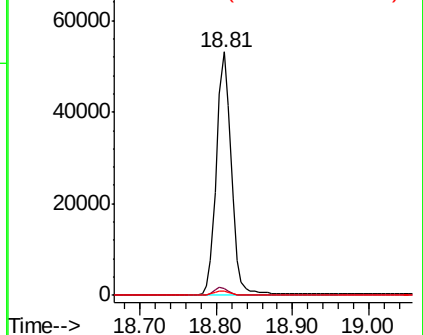
104 1.7 1.6 2.4



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: 0.396 ng

RT: 18.84 min Scan# 1508

Delta R.T. 0.00 min

Lab File: BE097123.D

Acq: 31 Jul 2018 15:46

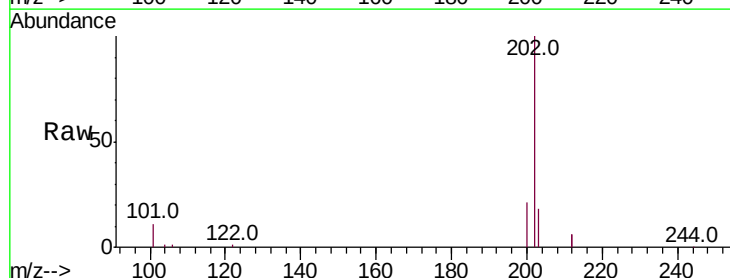
Tgt Ion:202 Resp: 19001

Ion Ratio Lower Upper

202 100

101 11.0 9.8 14.8

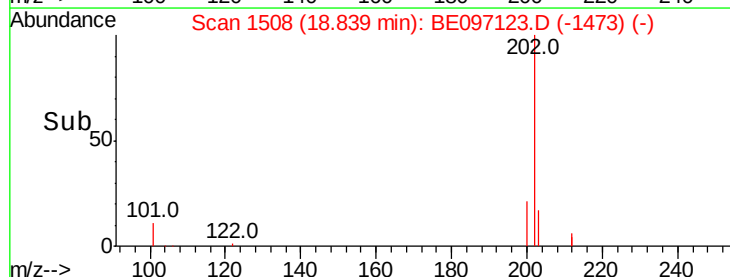
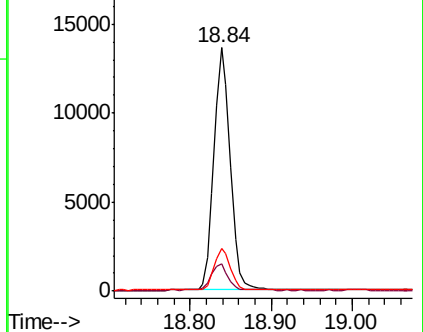
203 17.4 13.7 20.5

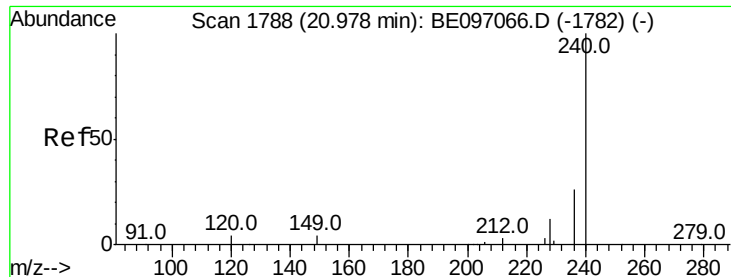


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE097123.D

Acq: 31 Jul 2018 15:46

Instrument :

BNA_E

ClientSampleId :

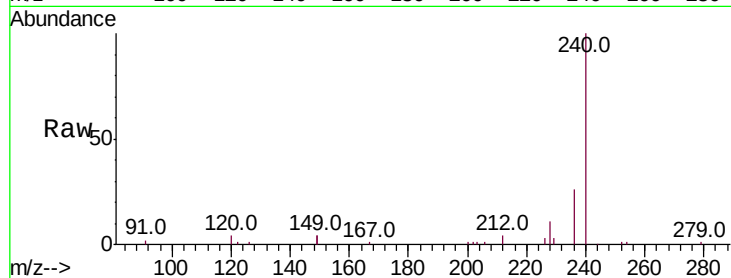
Tot Ion:240 Resp: 18238

Ion Ratio Lower Upper

240 100

120 4.5 5.5 8.3#

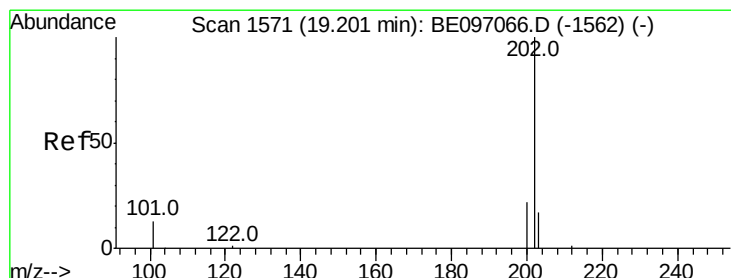
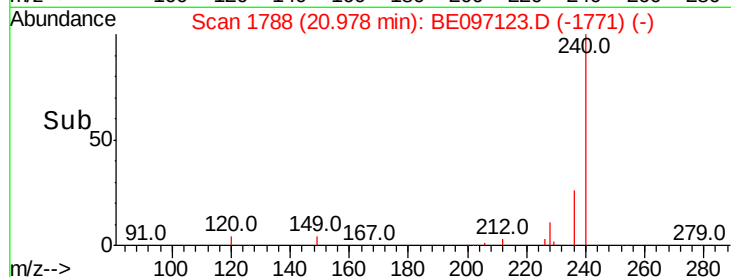
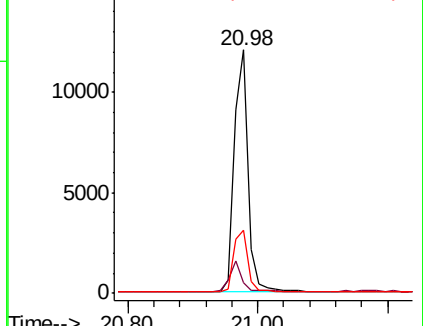
236 26.2 20.7 31.1



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: 0.388 ng

RT: 19.20 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BE097123.D

Acq: 31 Jul 2018 15:46

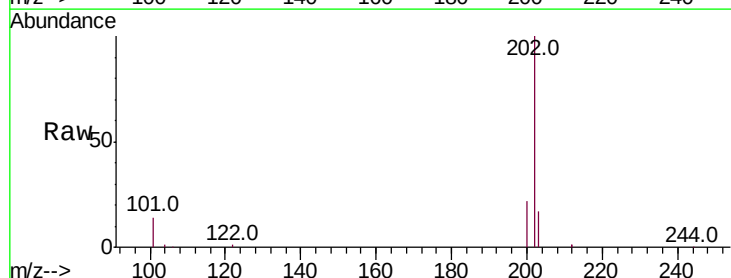
Tgt Ion:202 Resp: 19402

Ion Ratio Lower Upper

202 100

200 21.2 16.6 25.0

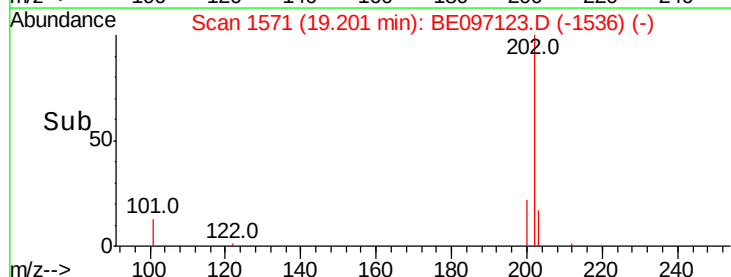
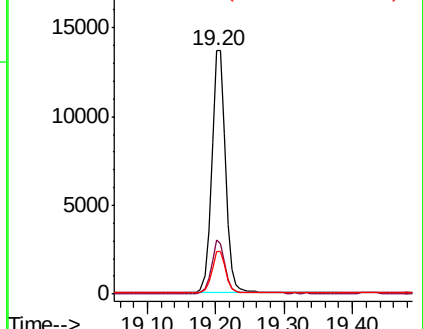
203 17.5 13.8 20.8

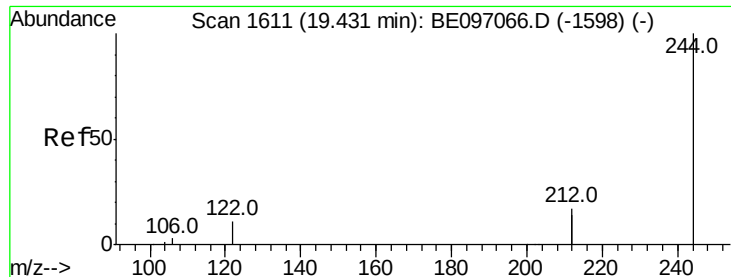


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

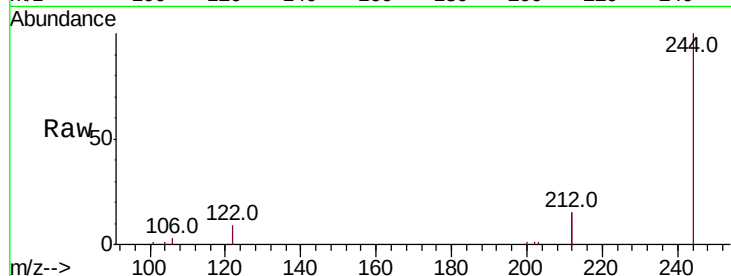




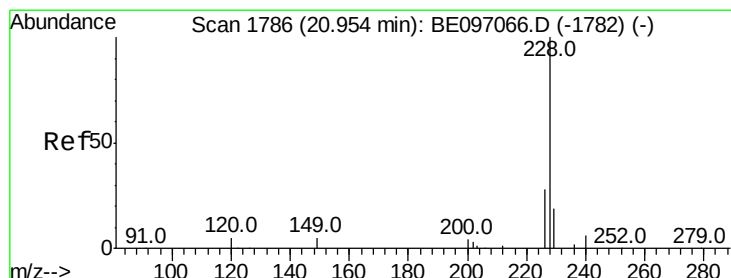
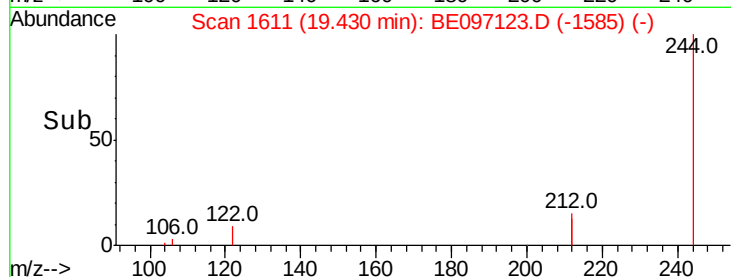
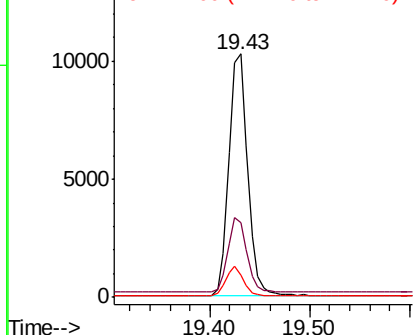
#29
 Terphenyl-d14
 Concen: 0.388 ng
 RT: 19.43 min Scan# 1611
 Delta R.T. 0.00 min
 Lab File: BE097123.D
 Acq: 31 Jul 2018 15:46

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:244 Resp: 13589
 Ion Ratio Lower Upper
 244 100
 212 30.5 25.4 38.0
 122 9.0 8.1 12.1

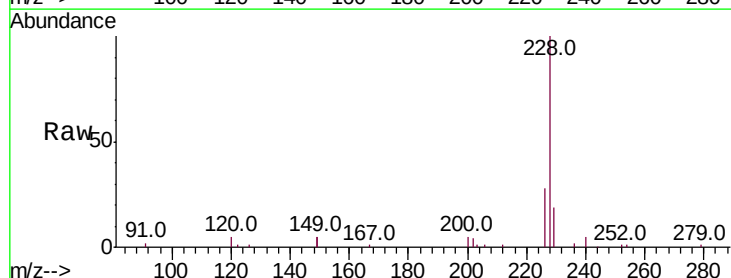


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

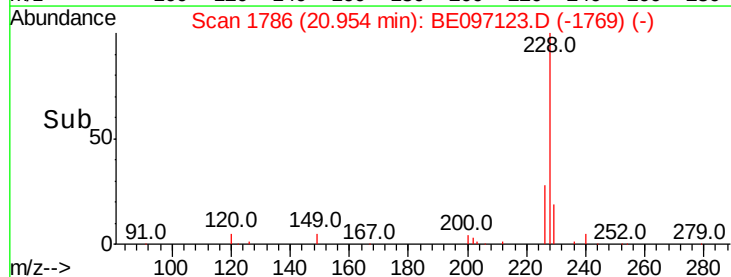
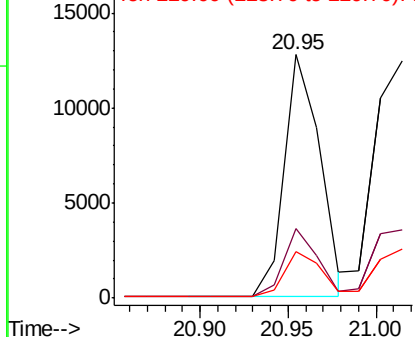


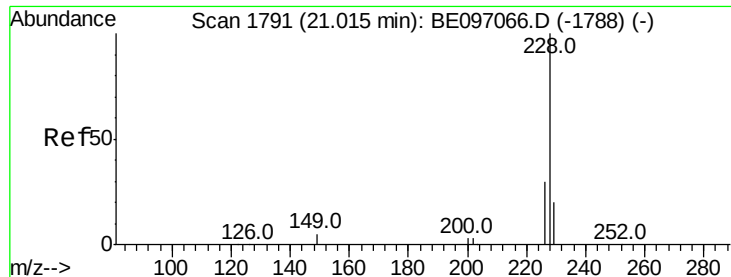
#30
 Benzo(a)anthracene
 Concen: 0.400 ng
 RT: 20.95 min Scan# 1786
 Delta R.T. 0.00 min
 Lab File: BE097123.D
 Acq: 31 Jul 2018 15:46

Tgt Ion:228 Resp: 18137
 Ion Ratio Lower Upper
 228 100
 226 28.4 24.0 36.0
 229 19.3 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

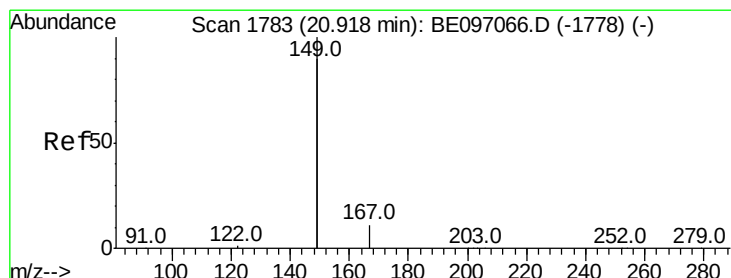
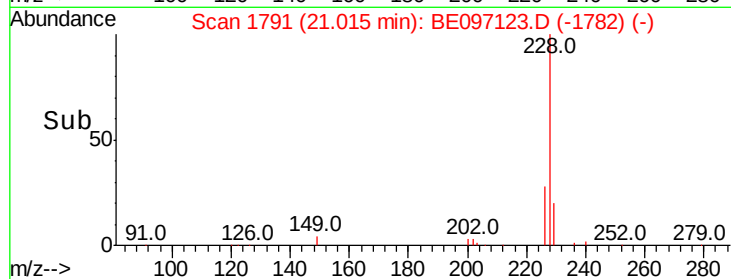
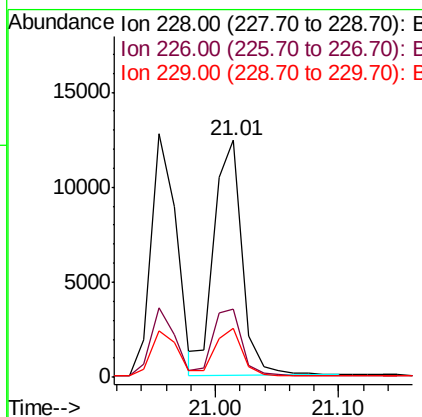
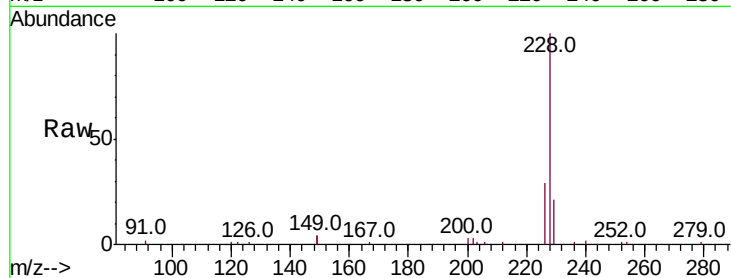




#31
 Chrysene
 Concen: 0.402 ng
 RT: 21.01 min Scan# 1791
 Delta R.T. 0.01 min
 Lab File: BE097123.D
 Acq: 31 Jul 2018 15:46

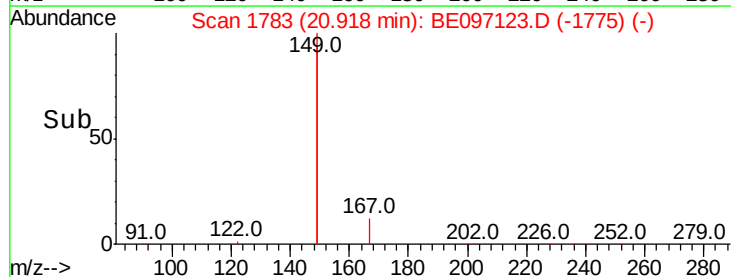
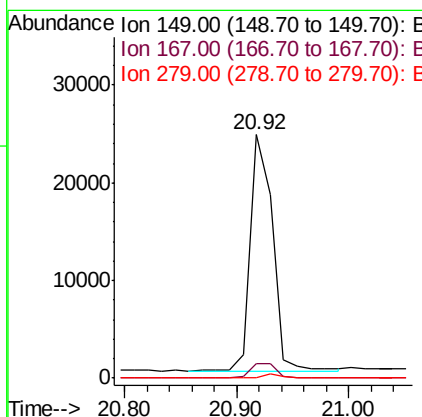
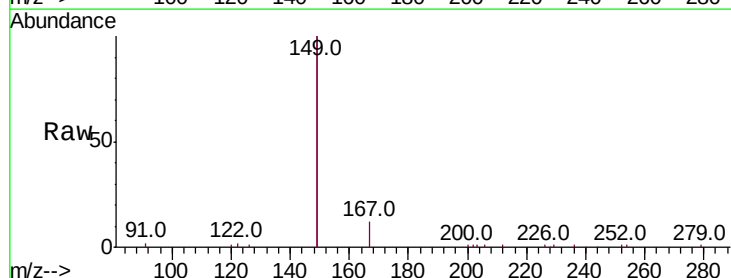
Instrument :
 BNA_E
 ClientSampleId :

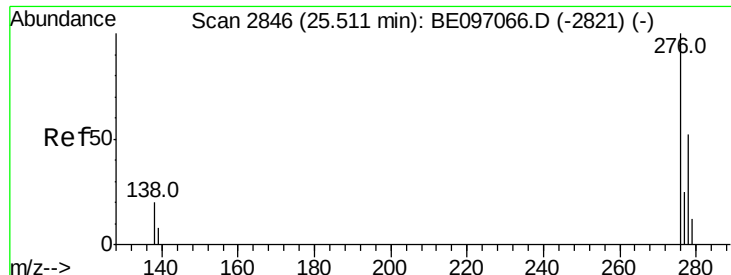
Tot Ion:228 Resp: 19555
 Ion Ratio Lower Upper
 228 100
 226 28.7 24.0 36.0
 229 20.6 16.0 24.0



#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.675 ng
 RT: 20.92 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: BE097123.D
 Acq: 31 Jul 2018 15:46

Tgt Ion:149 Resp: 33514
 Ion Ratio Lower Upper
 149 100
 167 6.7 5.4 8.0
 279 1.1 0.7 1.1#

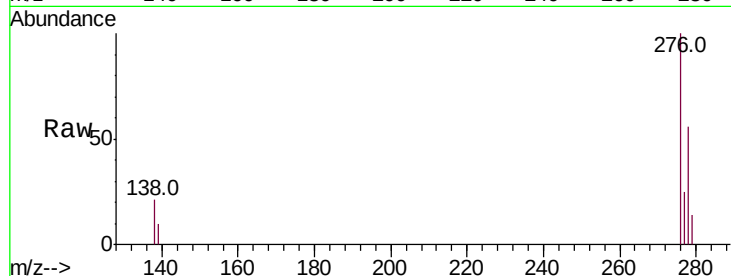




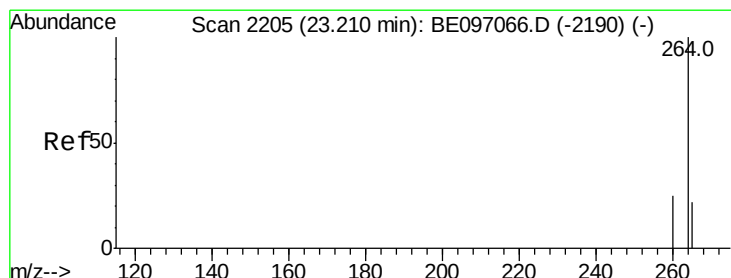
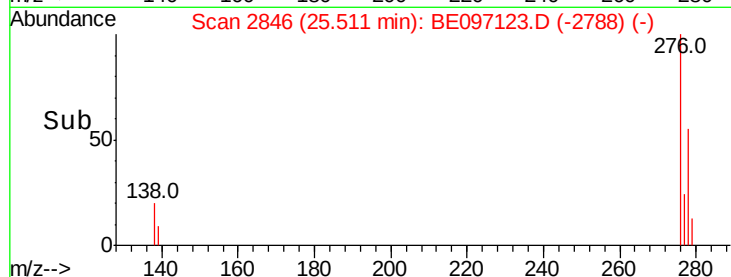
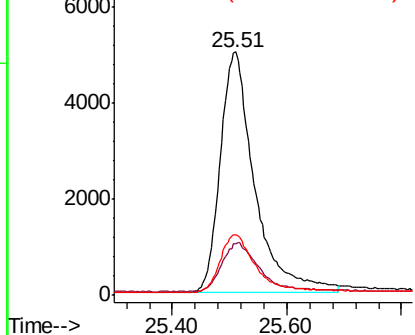
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.476 ng
 RT: 25.51 min Scan# 2846
 Delta R.T. 0.01 min
 Lab File: BE097123.D
 Acq: 31 Jul 2018 15:46

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 20972
 Ion Ratio Lower Upper
 276 100
 138 21.7 22.5 33.7#
 277 24.4 19.9 29.9

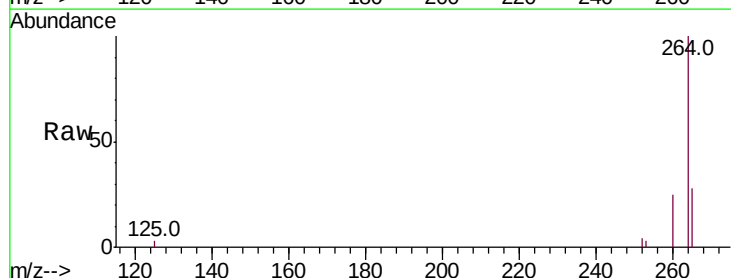


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

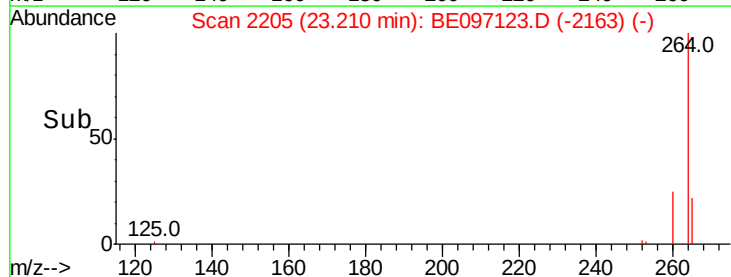
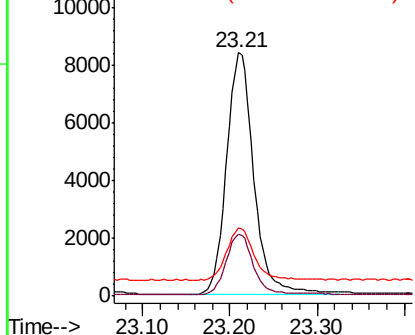


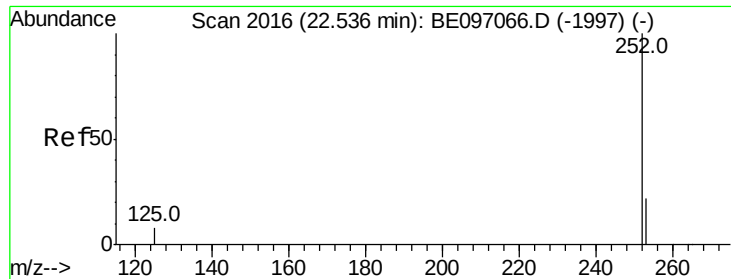
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.21 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: BE097123.D
 Acq: 31 Jul 2018 15:46

Tgt Ion:264 Resp: 18216
 Ion Ratio Lower Upper
 264 100
 260 25.4 20.5 30.7
 265 28.0 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: 0.372 ng

RT: 22.54 min Scan# 2016

Delta R.T. 0.00 min

Lab File: BE097123.D

Acq: 31 Jul 2018 15:46

Instrument :

BNA_E

ClientSampleId :

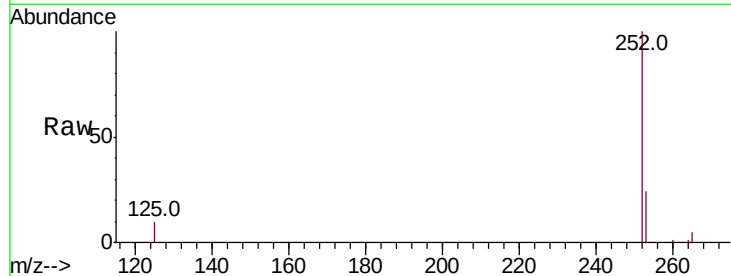
Tot Ion:252 Resp: 17193

Ion Ratio Lower Upper

252 100

253 23.5 20.0 30.0

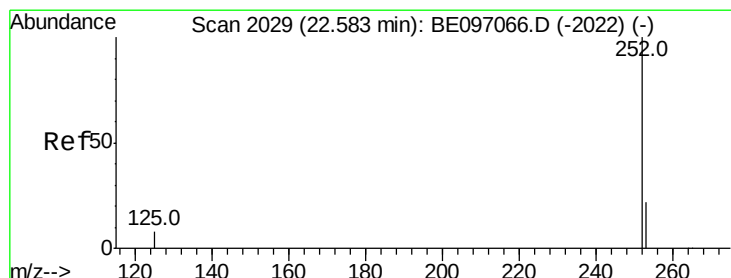
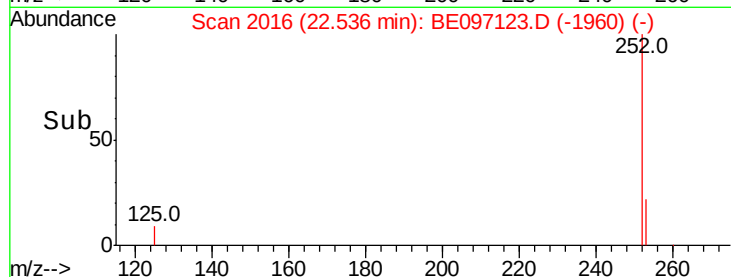
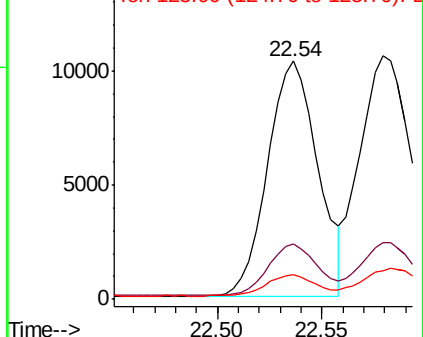
125 10.3 16.0 24.0#



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: 0.364 ng

RT: 22.58 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BE097123.D

Acq: 31 Jul 2018 15:46

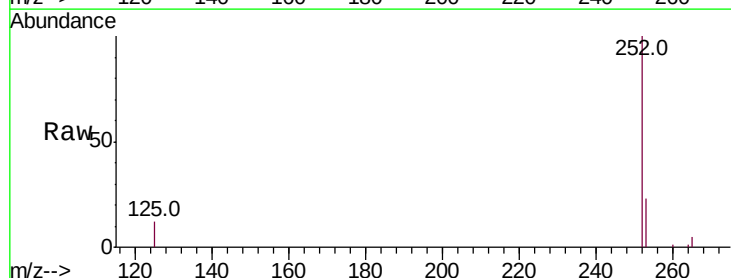
Tgt Ion:252 Resp: 19648

Ion Ratio Lower Upper

252 100

253 23.1 16.0 24.0

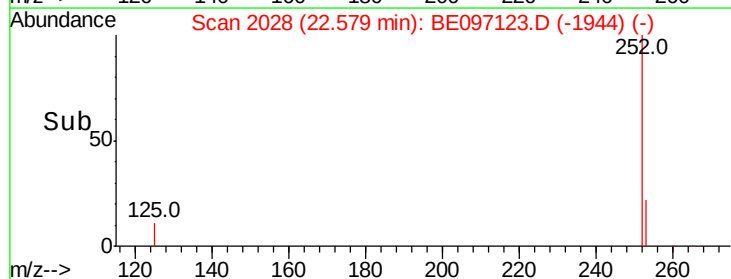
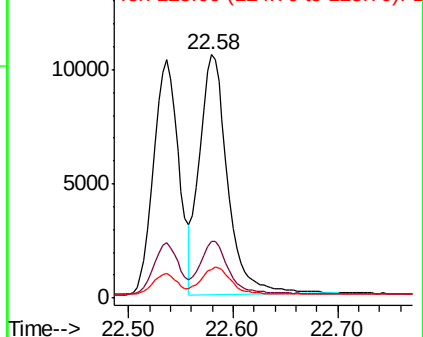
125 12.0 8.0 12.0

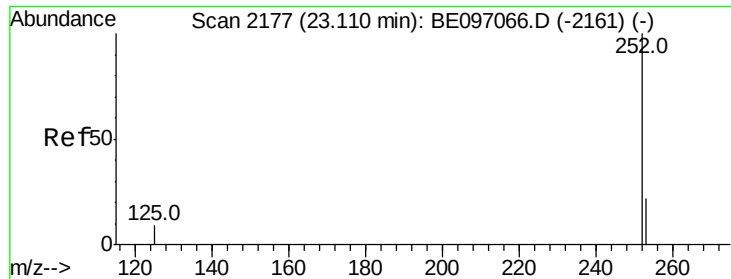


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.393 ng

RT: 23.11 min Scan# 2177

Delta R.T. 0.00 min

Lab File: BE097123.D

Acq: 31 Jul 2018 15:46

Instrument :

BNA_E

ClientSampleId :

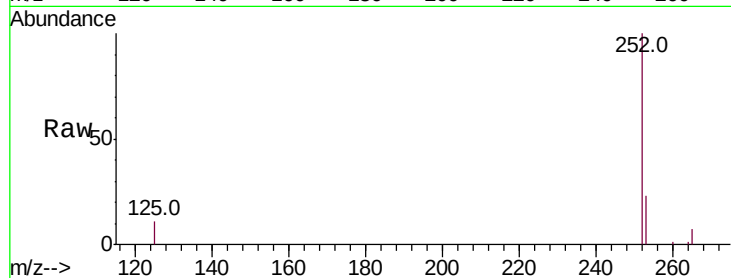
Tot Ion:252 Resp: 17090

Ion Ratio Lower Upper

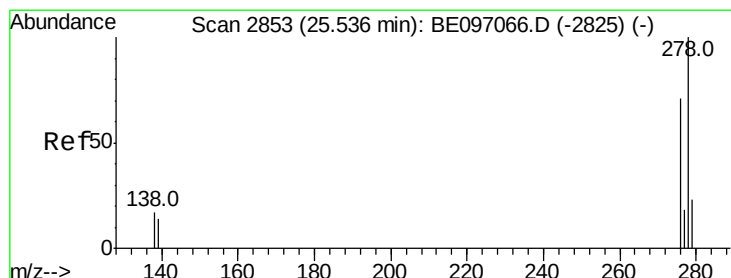
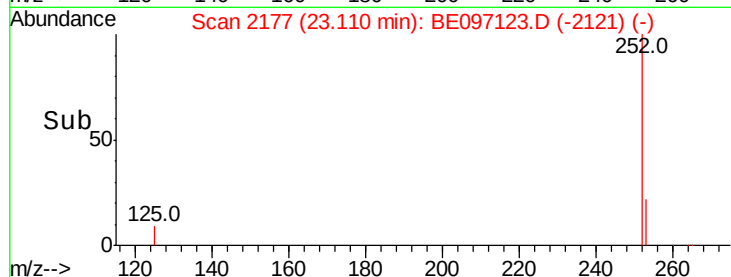
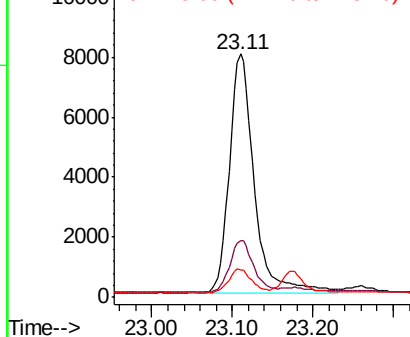
252 100

253 23.3 16.0 24.0

125 11.2 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: 0.402 ng

RT: 25.53 min Scan# 2852

Delta R.T. 0.00 min

Lab File: BE097123.D

Acq: 31 Jul 2018 15:46

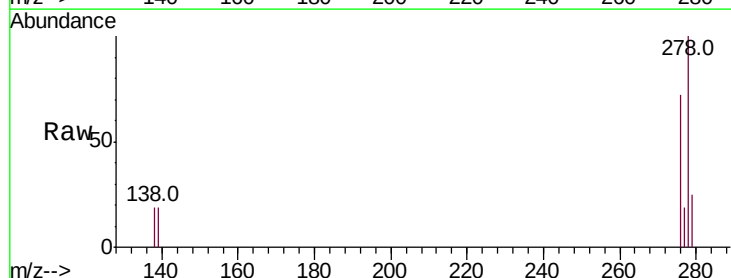
Tgt Ion:278 Resp: 17459

Ion Ratio Lower Upper

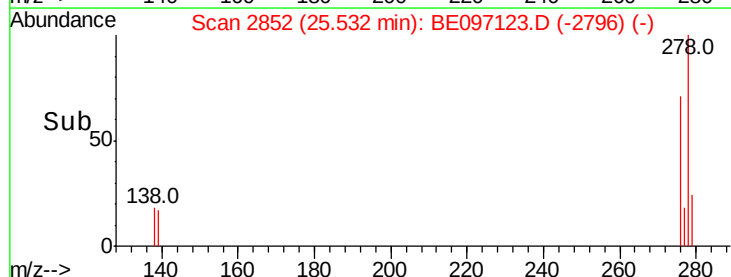
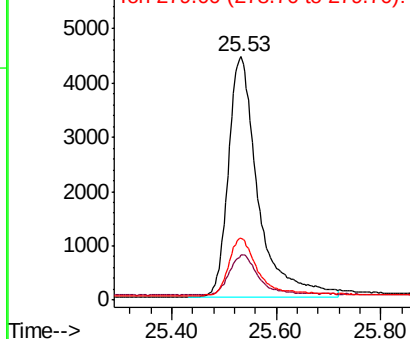
278 100

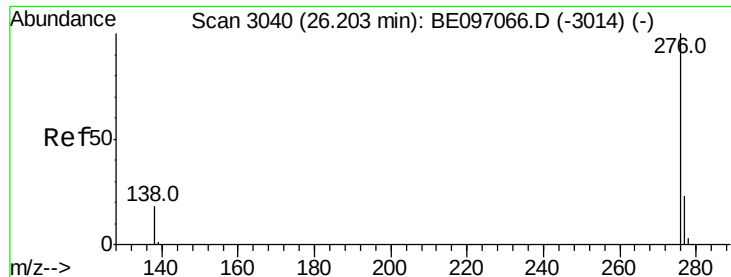
139 18.7 16.0 24.0

279 25.3 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: 0.389 ng

RT: 26.21 min Scan# 3041

Delta R.T. 0.00 min

Lab File: BE097123.D

Acq: 31 Jul 2018 15:46

Instrument :

BNA_E

ClientSampleId :

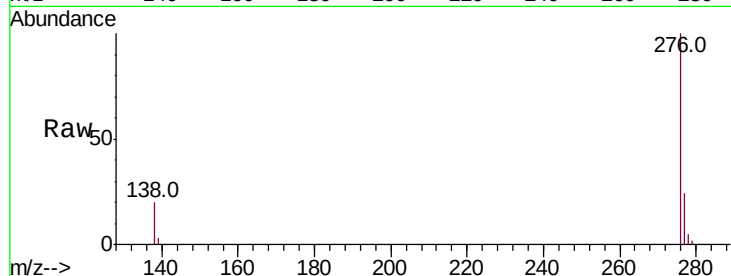
Tot Ion:276 Resp: 17905

Ion Ratio Lower Upper

276 100

277 24.5 16.0 24.0#

138 19.7 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

