

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072318\
 Data File : BE097046.D
 Acq On : 23 Jul 2018 20:58
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

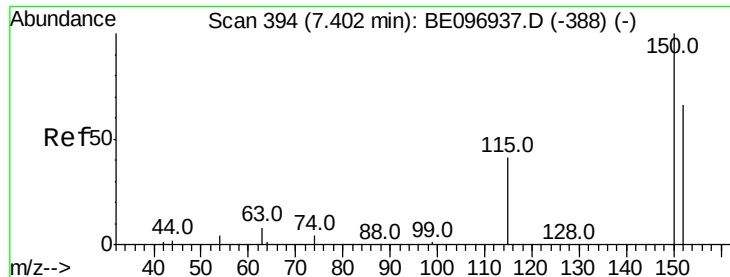
Quant Time: Jul 24 05:28:06 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 11:34:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1531	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	7657	0.40	ng	0.00
13) Acenaphthene-d10	14.02	164	4813	0.40	ng	0.00
19) Phenanthrene-d10	16.76	188	13308	0.40	ng	0.00
27) Chrysene-d12	20.98	240	13073	0.40	ng	0.00
34) Perylene-d12	23.21	264	12283	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.05	112	1810	0.49	ng	0.00
5) Phenol-d6	6.59	99	2648	0.47	ng	0.00
8) Nitrobenzene-d5	8.53	82	2686	0.48	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	4414	0.40	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	673	0.59	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	6514	0.36	ng	0.00
25) Fluoranthene-d10	18.81	212	53077	0.46	ng	0.00
29) Terphenyl-d14	19.43	244	9923	0.39	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.09	88	961	0.438	ng	# 88
3) n-Nitrosodimethylamine	3.38	42	1108	0.449	ng	# 93
6) bis(2-Chloroethyl)ether	6.84	93	2251	0.410	ng	94
9) Naphthalene	10.20	128	27225	0.397	ng	100
10) Hexachlorobutadiene	10.48	225	1202	0.434	ng	98
12) 2-Methylnaphthalene	11.81	142	4664	0.401	ng	99
16) Acenaphthylene	13.73	152	8620	0.392	ng	100
17) Acenaphthene	14.08	154	5129	0.375	ng	94
18) Fluorene	15.07	166	6607	0.431	ng	# 80
20) 4-Bromophenyl-phenylether	15.97	248	2535	0.403	ng	# 83
21) Hexachlorobenzene	16.08	284	2700	0.386	ng	# 83
22) Pentachlorophenol	16.43	266	928	0.782	ng	# 73
23) Phenanthrene	16.81	178	12573	0.394	ng	98
24) Anthracene	16.90	178	11126	0.401	ng	96
26) Fluoranthene	18.84	202	14211	0.423	ng	98
28) Pyrene	19.21	202	14508	0.376	ng	100
30) Benzo(a)anthracene	20.96	228	12707	0.408	ng	97
31) Chrysene	21.00	228	13887	0.398	ng	97
32) Bis(2-ethylhexyl)phthalate	20.92	149	17964	0.578	ng	99
33) Indeno(1,2,3-cd)pyrene	25.51	276	13893	0.546	ng	# 93
35) Benzo(b)fluoranthene	22.54	252	11924	0.380	ng	# 89
36) Benzo(k)fluoranthene	22.58	252	13113	0.352	ng	95
37) Benzo(a)pyrene	23.11	252	11009	0.410	ng	# 93
38) Dibenzo(a,h)anthracene	25.53	278	11661	0.498	ng	# 95
39) Benzo(g,h,i)perylene	26.20	276	12026	0.472	ng	# 90

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



#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.39 min Scan# 393

Delta R.T. -0.00 min

Lab File: BE097046.D

Acq: 23 Jul 2018 20:58

Instrument :

BNA_E

ClientSampleId :

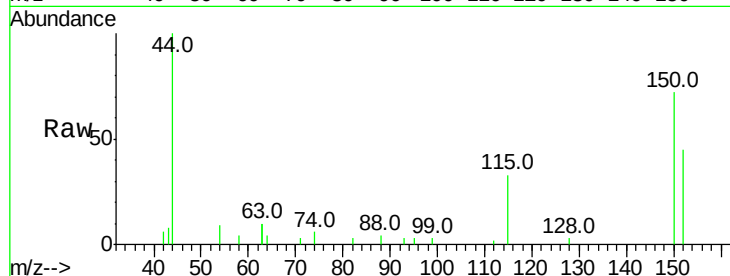
Tot Ion:152 Resp: 1531

Ion Ratio Lower Upper

152 100

150 160.8 117.2 175.8

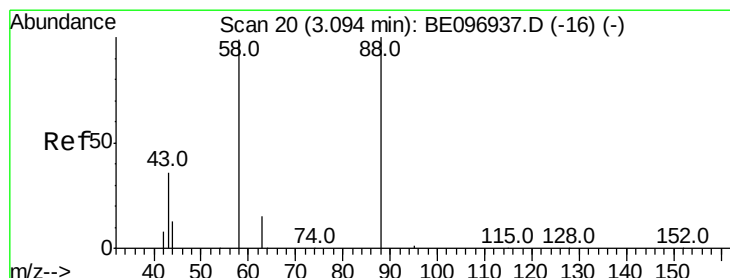
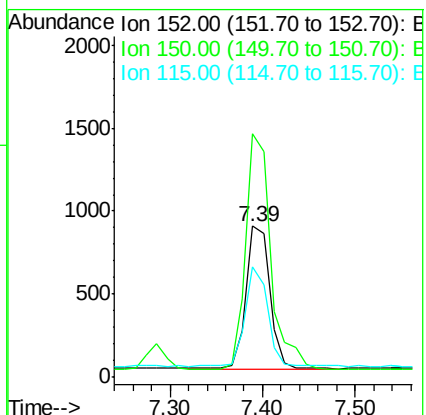
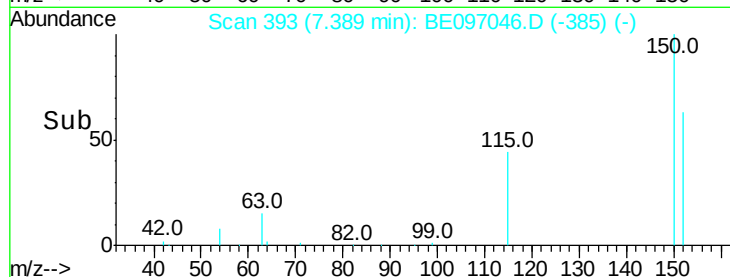
115 73.1 57.0 85.6



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: 0.438 ng

RT: 3.09 min Scan# 20

Delta R.T. -0.00 min

Lab File: BE097046.D

Acq: 23 Jul 2018 20:58

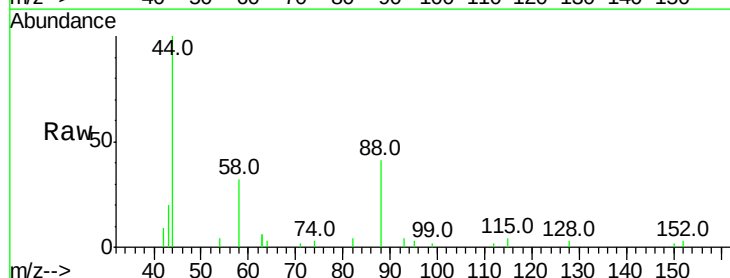
Tgt Ion: 88 Resp: 961

Ion Ratio Lower Upper

88 100

58 83.0 63.2 94.8

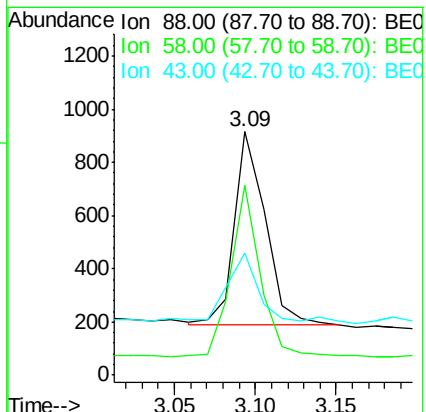
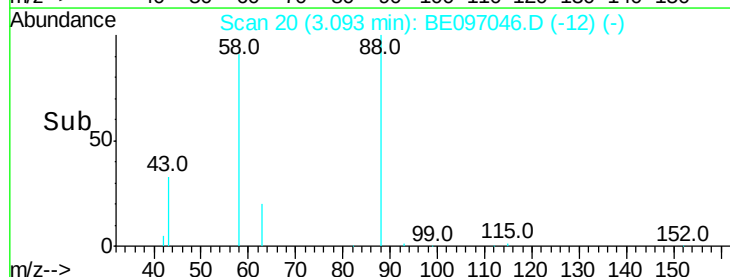
43 35.5 41.2 61.8#

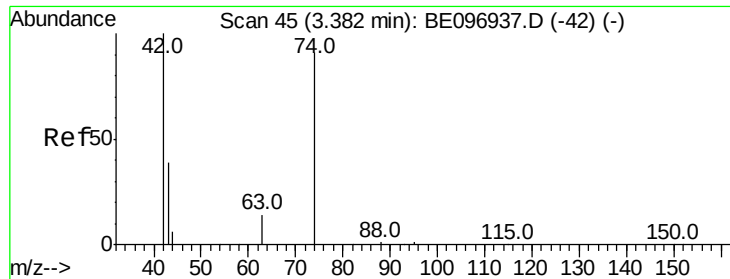


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.449 ng

RT: 3.38 min Scan# 45

Delta R.T. -0.00 min

Lab File: BE097046.D

Acq: 23 Jul 2018 20:58

Instrument :

BNA_E

ClientSampleId :

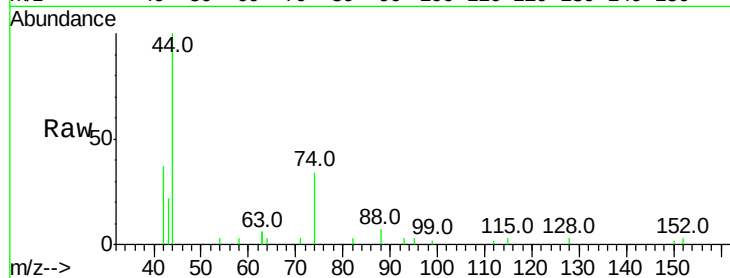
Tot Ion: 42 Resp: 1108

Ion Ratio Lower Upper

42 100

74 113.4 96.0 144.0

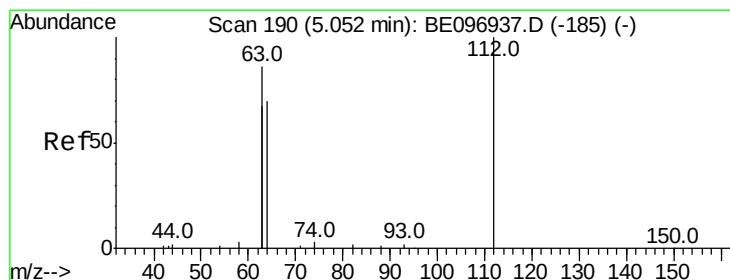
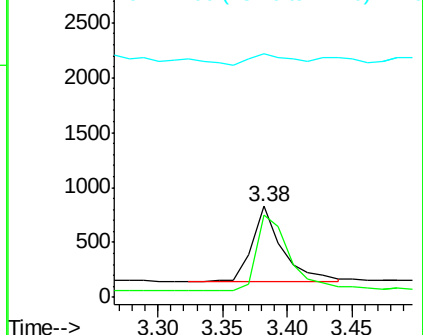
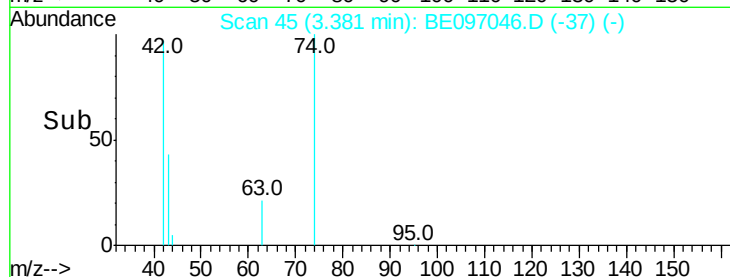
44 20.3 12.0 18.0#



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: 0.494 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE097046.D

Acq: 23 Jul 2018 20:58

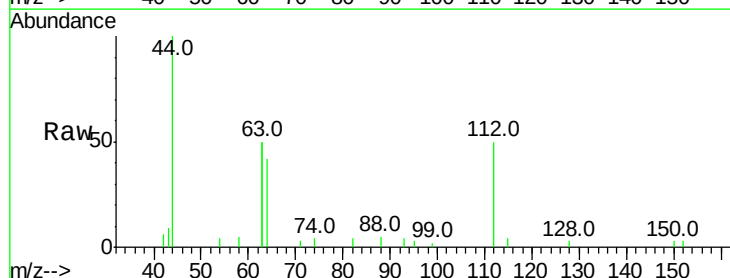
Tgt Ion: 112 Resp: 1810

Ion Ratio Lower Upper

112 100

64 67.7 60.1 90.1

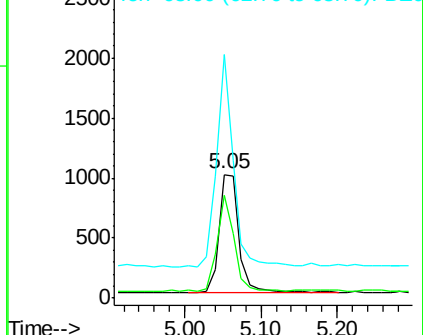
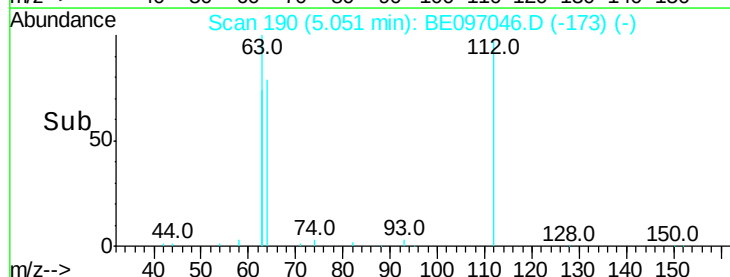
63 150.6 116.8 175.2

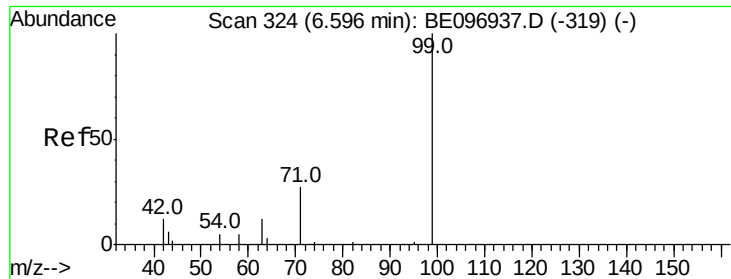


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.474 ng

RT: 6.59 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097046.D

Acq: 23 Jul 2018 20:58

Instrument :

BNA_E

ClientSampled :

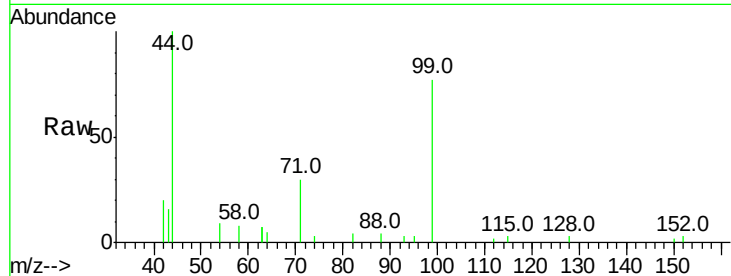
Tot Ion: 99 Resp: 2648

Ion Ratio Lower Upper

99 100

42 23.6 20.2 30.2

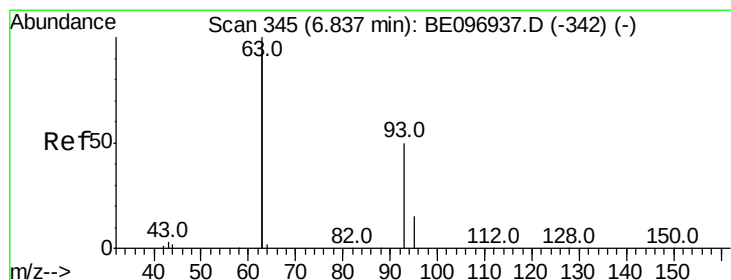
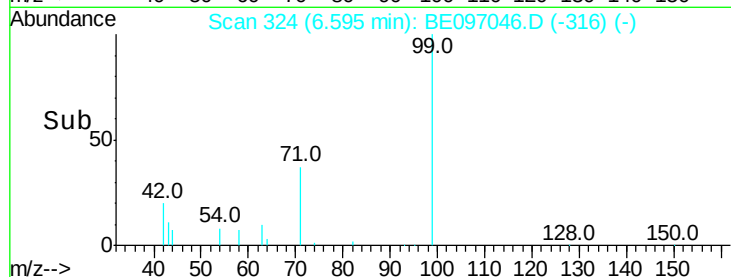
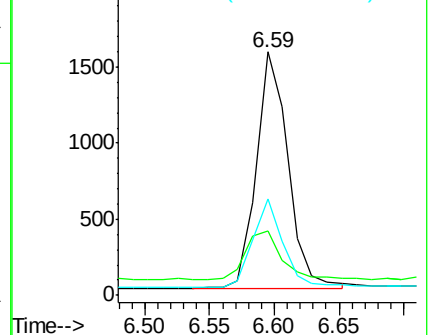
71 35.9 28.4 42.6



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: 0.410 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE097046.D

Acq: 23 Jul 2018 20:58

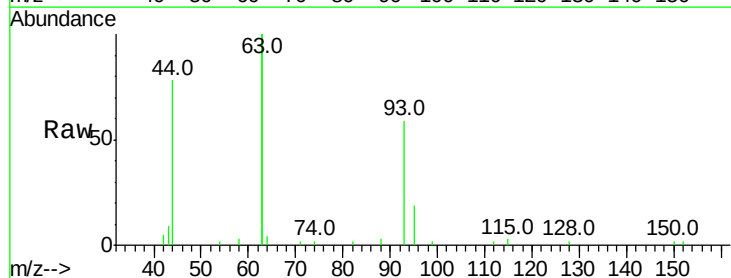
Tgt Ion: 93 Resp: 2251

Ion Ratio Lower Upper

93 100

63 331.2 275.3 412.9

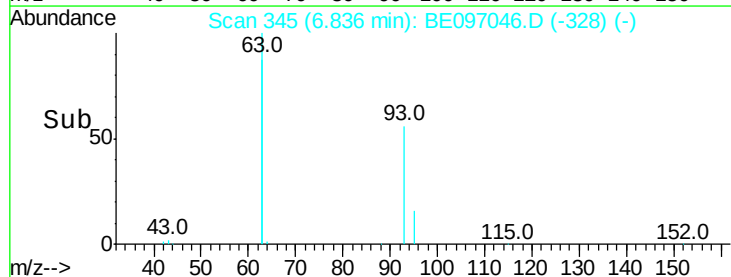
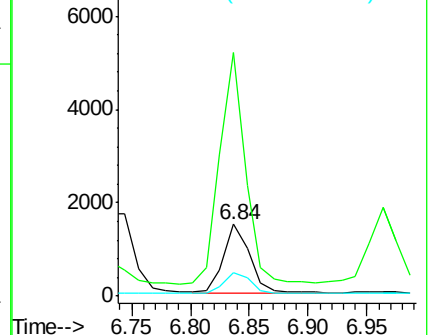
95 32.4 25.2 37.8

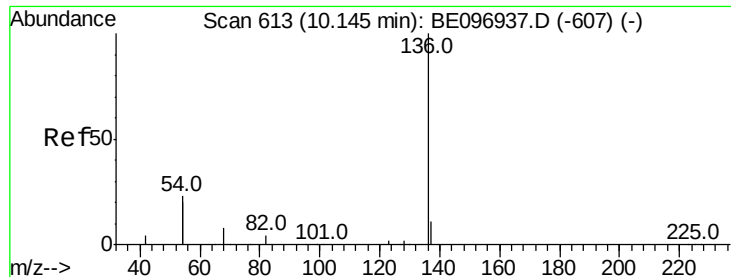


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE097046.D

Acq: 23 Jul 2018 20:58

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 7657

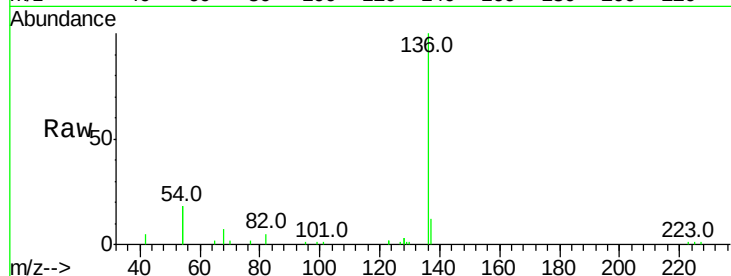
Ion Ratio Lower Upper

136 100

137 12.2 9.5 14.3

54 36.2 29.1 43.7

68 7.4 6.2 9.2

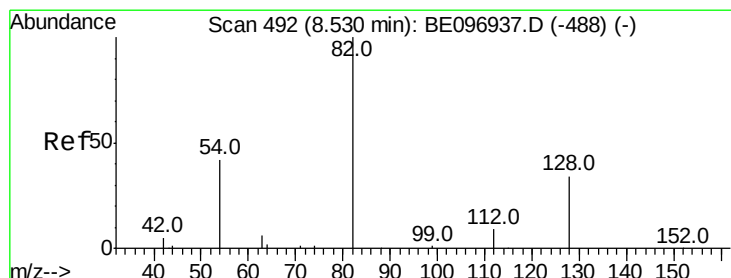
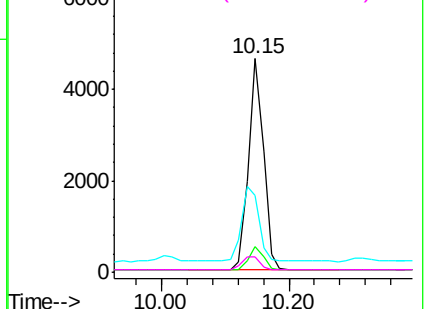
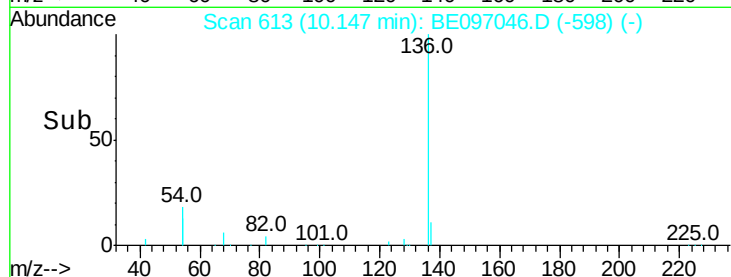


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.481 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE097046.D

Acq: 23 Jul 2018 20:58

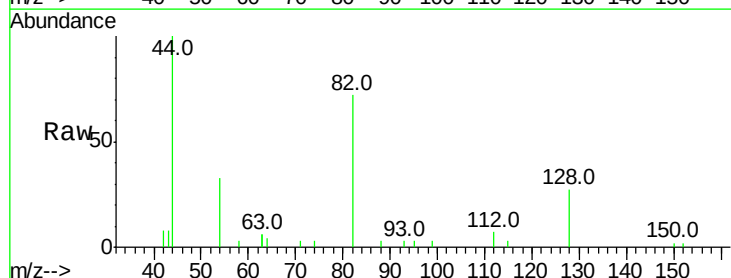
Tgt Ion: 82 Resp: 2686

Ion Ratio Lower Upper

82 100

128 37.9 24.0 36.0#

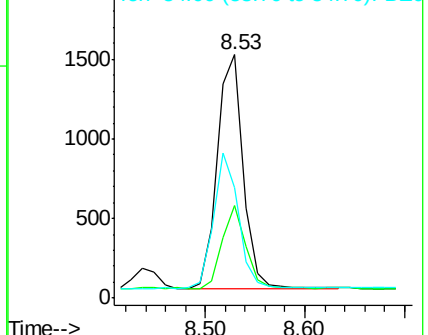
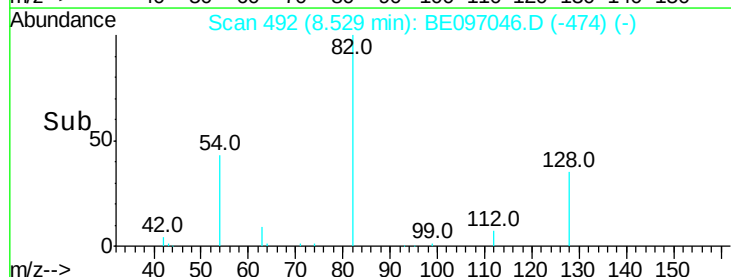
54 45.4 40.0 60.0

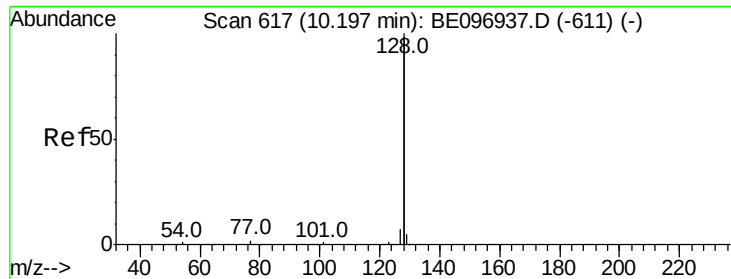


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.397 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.00 min

Lab File: BE097046.D

Acq: 23 Jul 2018 20:58

Instrument :

BNA_E

ClientSampleId :

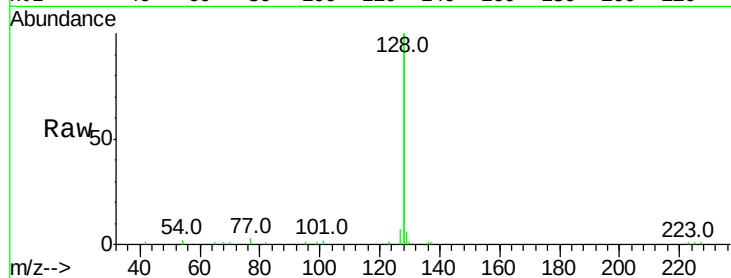
Tot Ion:128 Resp: 27225

Ion Ratio Lower Upper

128 100

129 3.2 2.6 3.8

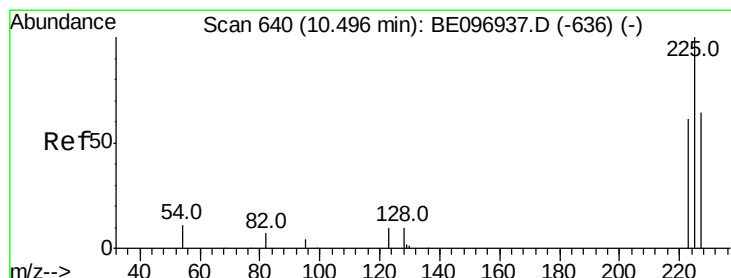
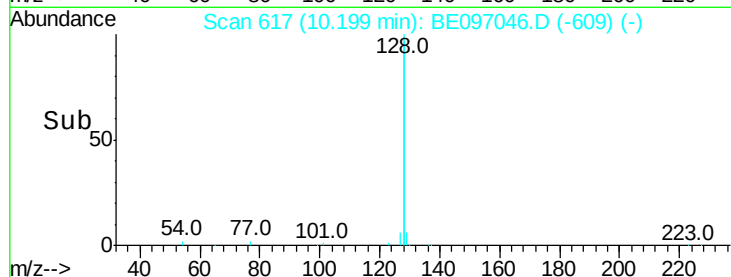
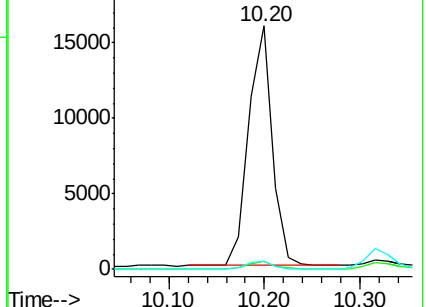
127 3.4 2.8 4.2



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: 0.434 ng

RT: 10.48 min Scan# 639

Delta R.T. 0.00 min

Lab File: BE097046.D

Acq: 23 Jul 2018 20:58

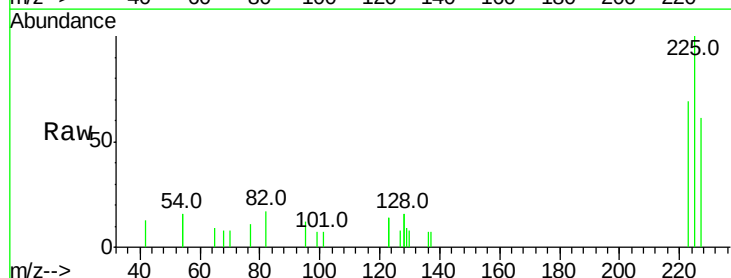
Tgt Ion:225 Resp: 1202

Ion Ratio Lower Upper

225 100

223 65.4 53.0 79.6

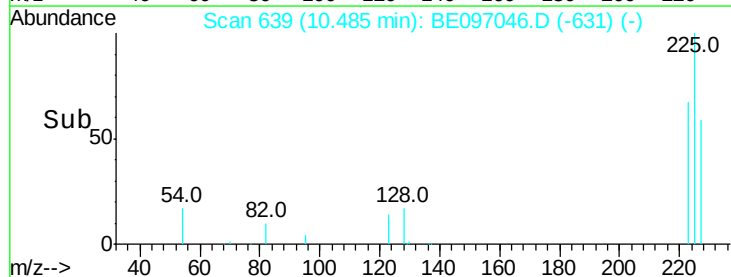
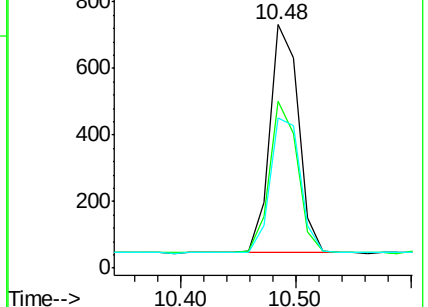
227 62.6 51.4 77.2

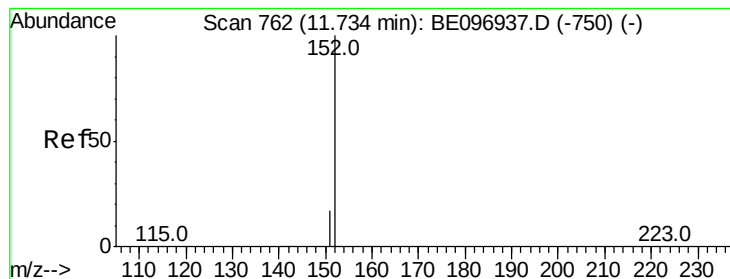


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.396 ng

RT: 11.73 min Scan# 761

Delta R.T. -0.00 min

Lab File: BE097046.D

Acq: 23 Jul 2018 20:58

Instrument :

BNA_E

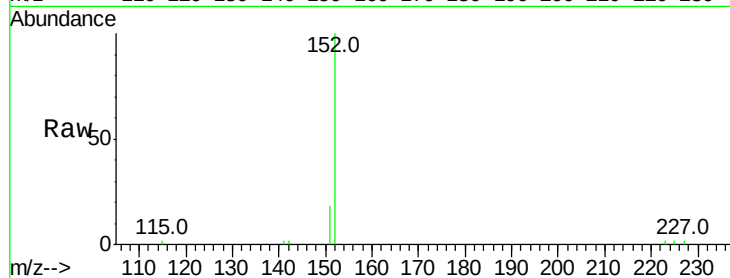
ClientSampleId :

Tot Ion:152 Resp: 4414

Ion Ratio Lower Upper

152 100

151 19.4 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

3000

2500

2000

1500

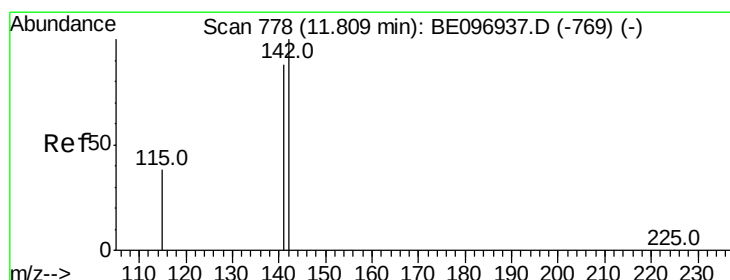
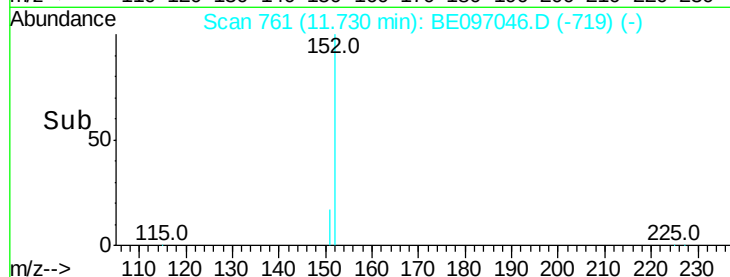
1000

500

0

11.73

Time--> 11.60 11.70 11.80



#12

2-Methylnaphthalene

Concen: 0.401 ng

RT: 11.81 min Scan# 777

Delta R.T. -0.00 min

Lab File: BE097046.D

Acq: 23 Jul 2018 20:58

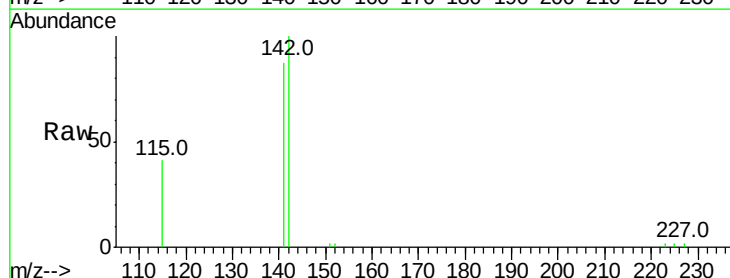
Tgt Ion:142 Resp: 4664

Ion Ratio Lower Upper

142 100

141 87.4 70.4 105.6

115 40.8 31.7 47.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

4000

3000

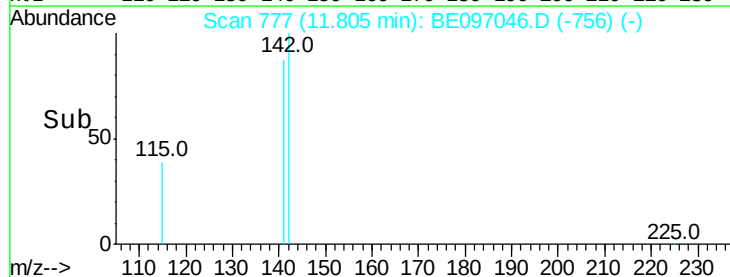
2000

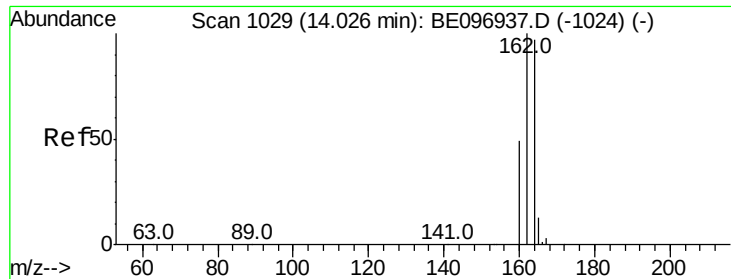
1000

0

11.81

Time--> 11.70 11.80 11.90

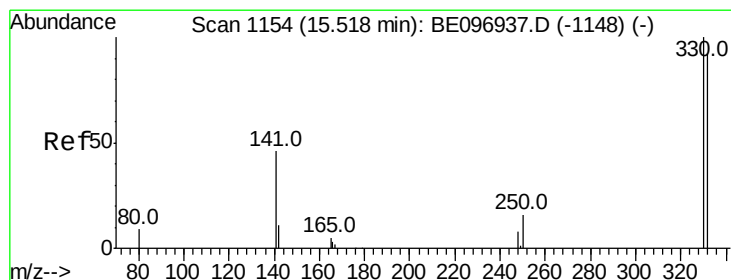
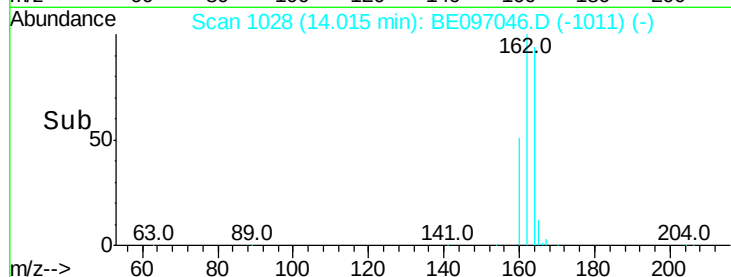
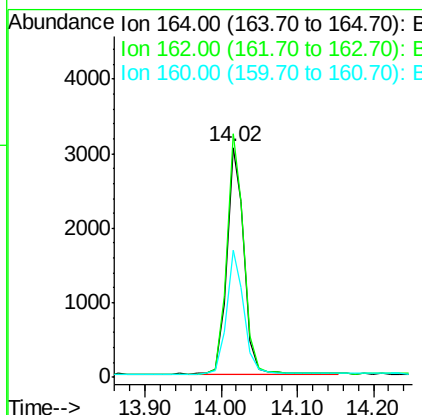
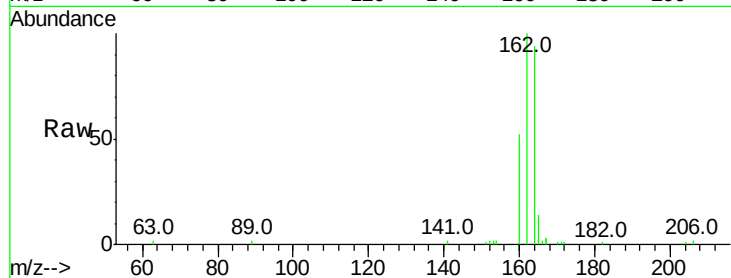




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.02 min Scan# 1028
 Delta R.T. 0.00 min
 Lab File: BE097046.D
 Acq: 23 Jul 2018 20:58

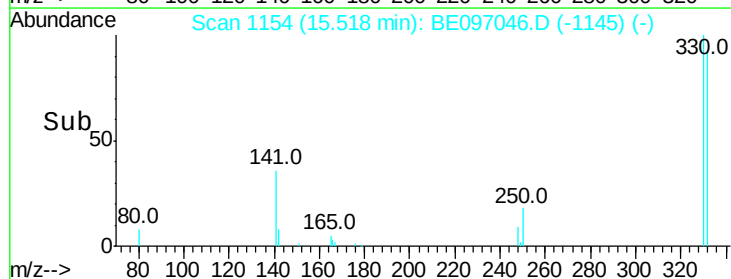
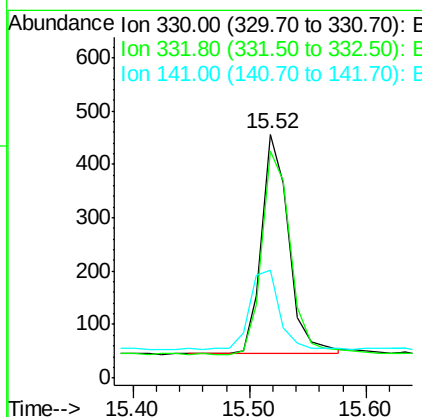
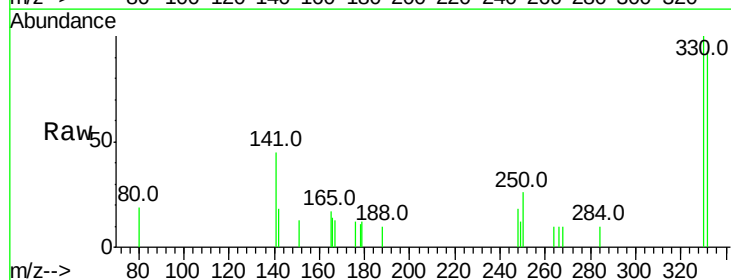
Instrument :
 BNA_E
 ClientSampleId :

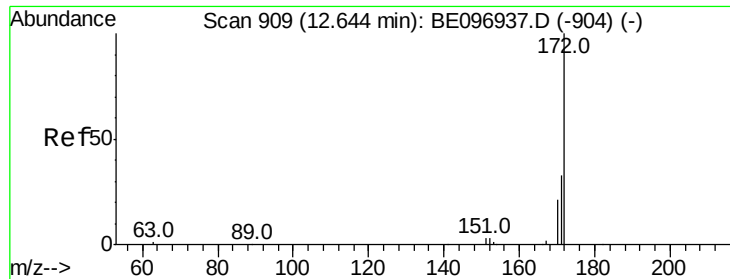
Tot Ion:164 Resp: 4813
 Ion Ratio Lower Upper
 164 100
 162 105.9 83.1 124.7
 160 55.2 37.1 55.7



#14
 2,4,6-Tribromophenol
 Concen: 0.594 ng
 RT: 15.52 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: BE097046.D
 Acq: 23 Jul 2018 20:58

Tgt Ion:330 Resp: 673
 Ion Ratio Lower Upper
 330 100
 332 97.9 152.7 229.1#
 141 38.9 33.7 50.5

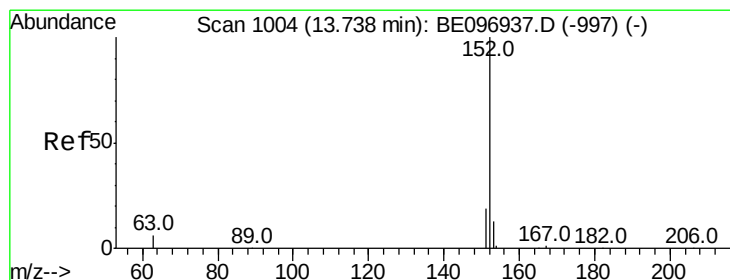
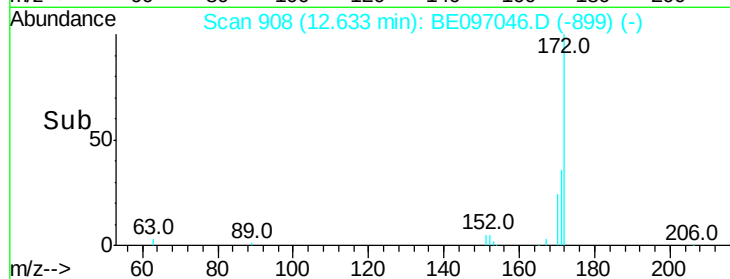
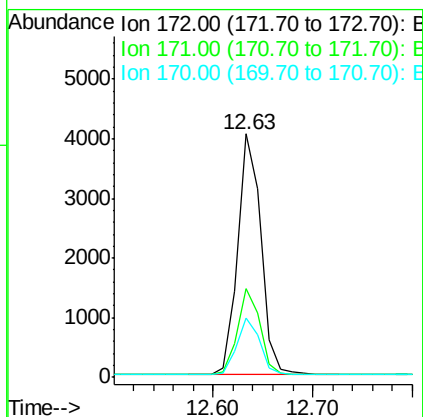
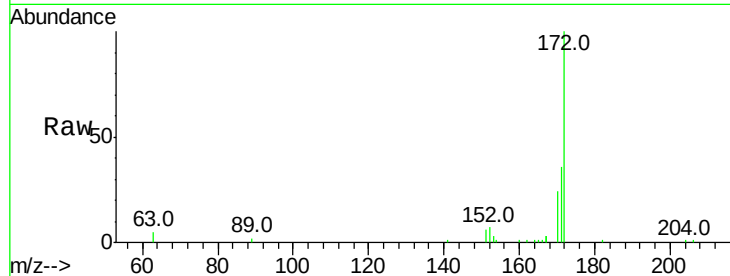




#15
2-Fluorobiphenyl
Concen: 0.364 ng
RT: 12.63 min Scan# 908
Delta R.T. 0.00 min
Lab File: BE097046.D
Acq: 23 Jul 2018 20:58

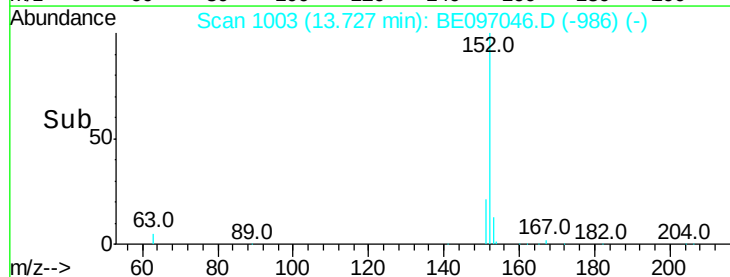
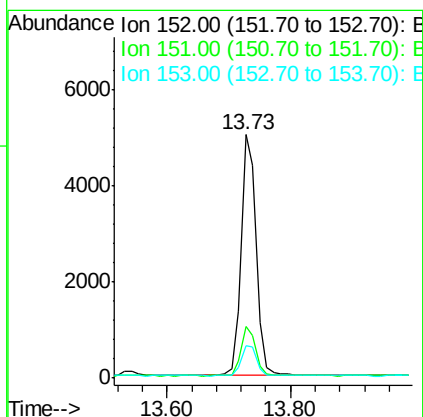
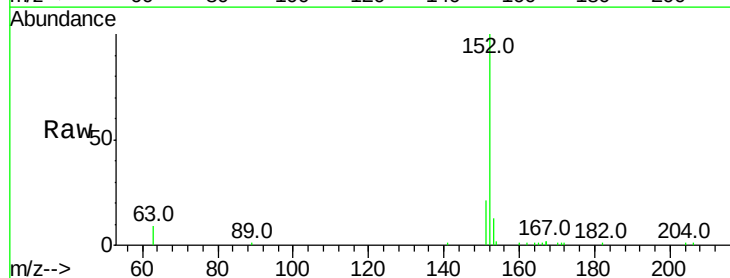
Instrument :
BNA_E
ClientSampleId :

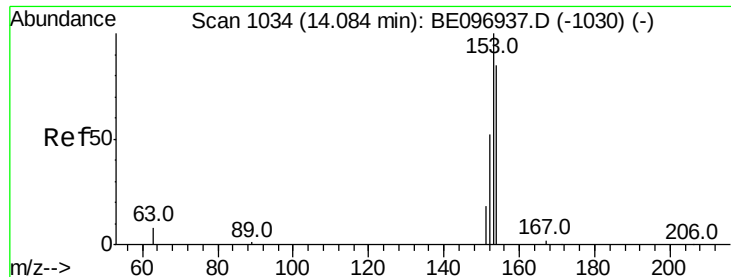
Tot Ion:172 Resp: 6514
Ion Ratio Lower Upper
172 100
171 36.4 29.9 44.9
170 24.5 21.8 32.8



#16
Acenaphthylene
Concen: 0.392 ng
RT: 13.73 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BE097046.D
Acq: 23 Jul 2018 20:58

Tgt Ion:152 Resp: 8620
Ion Ratio Lower Upper
152 100
151 19.8 15.7 23.5
153 13.3 10.5 15.7

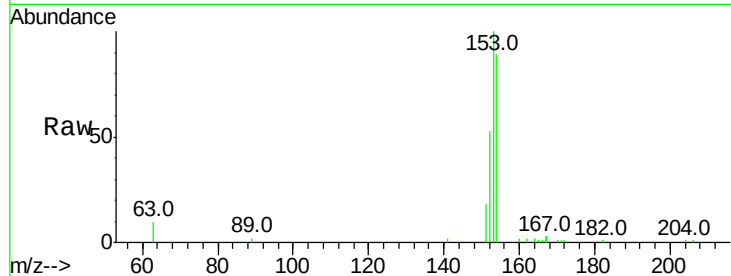




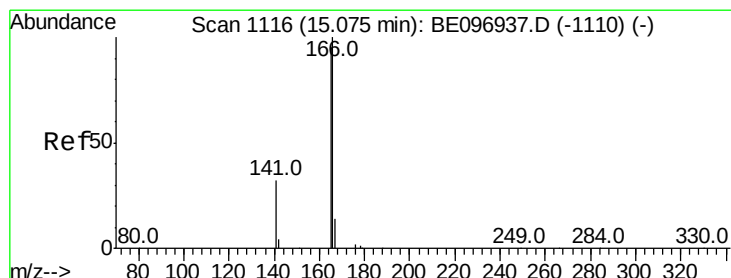
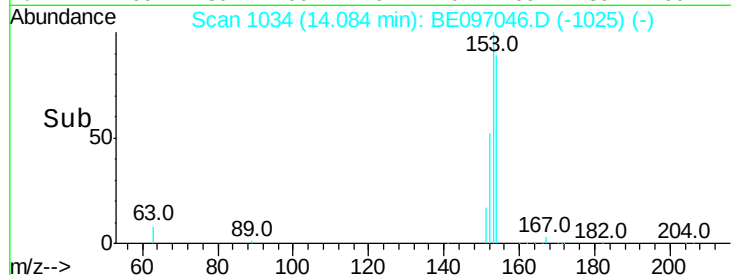
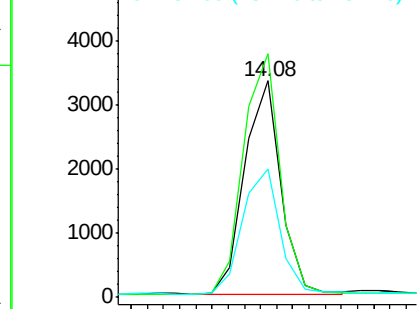
#17
Acenaphthene
Concen: 0.375 ng
RT: 14.08 min Scan# 1034
Delta R.T. 0.00 min
Lab File: BE097046.D
Acq: 23 Jul 2018 20:58

Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 5129
Ion Ratio Lower Upper
154 100
153 114.5 89.2 133.8
152 60.9 42.0 63.0

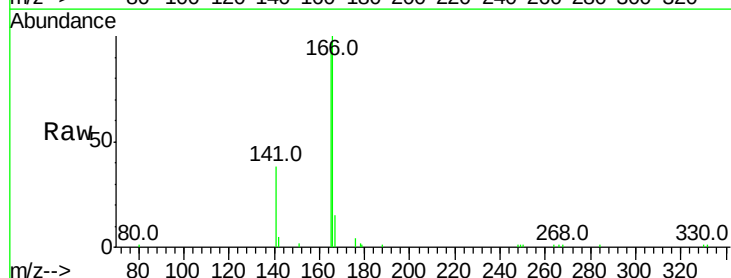


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

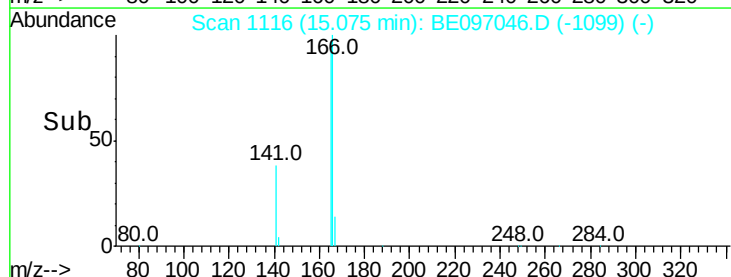
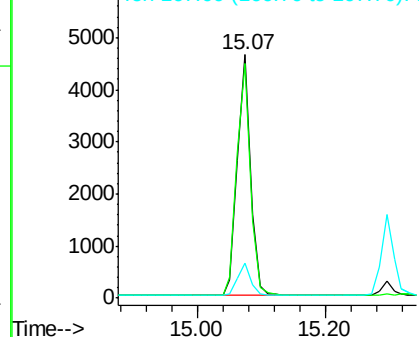


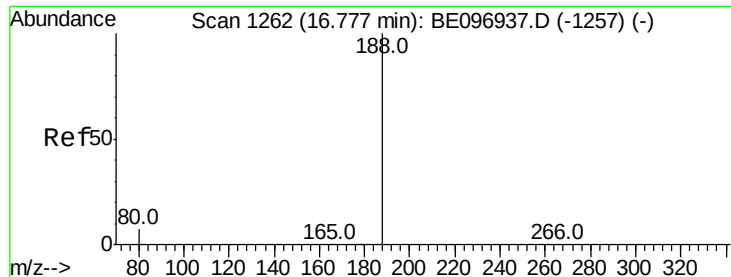
#18
Fluorene
Concen: 0.431 ng
RT: 15.07 min Scan# 1116
Delta R.T. 0.00 min
Lab File: BE097046.D
Acq: 23 Jul 2018 20:58

Tgt Ion:166 Resp: 6607
Ion Ratio Lower Upper
166 100
165 98.0 77.8 116.6
167 13.4 42.4 63.6#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.76 min Scan# 1261

Delta R.T. 0.00 min

Lab File: BE097046.D

Acq: 23 Jul 2018 20:58

Instrument :

BNA_E

ClientSampleId :

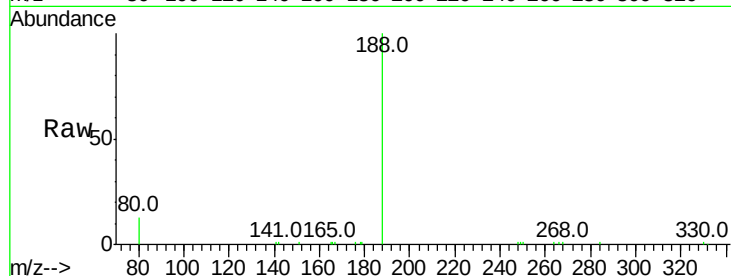
Tot Ion:188 Resp: 13308

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

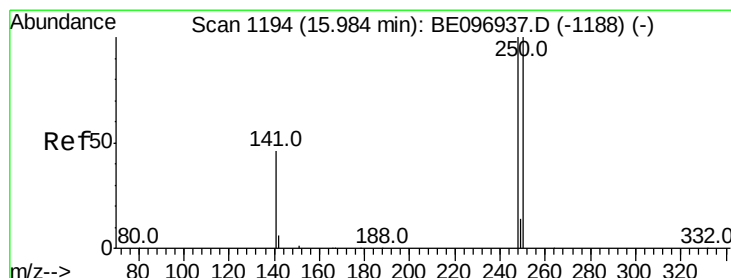
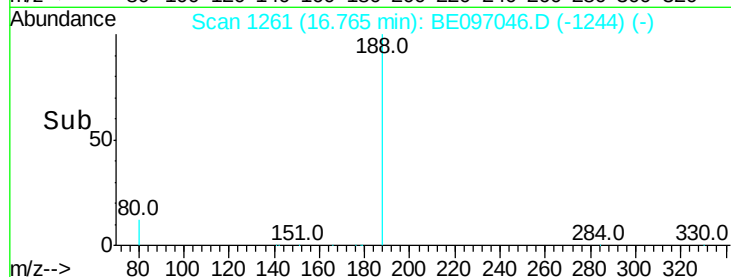
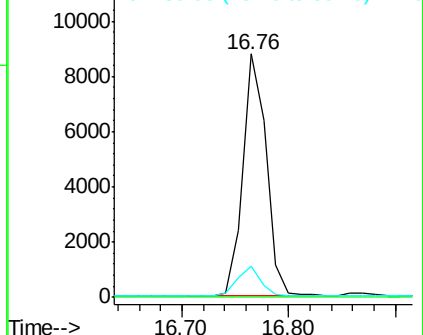
80 12.6 3.6 5.4#



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: 0.403 ng

RT: 15.97 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BE097046.D

Acq: 23 Jul 2018 20:58

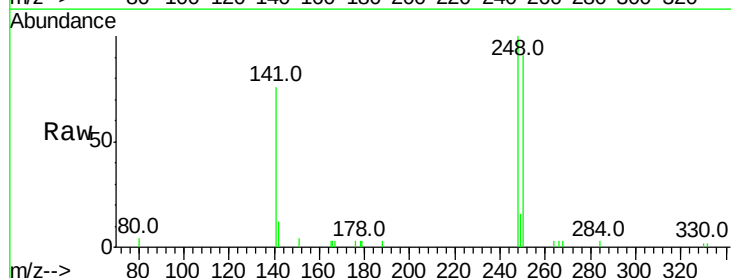
Tgt Ion:248 Resp: 2535

Ion Ratio Lower Upper

248 100

250 91.0 62.7 94.1

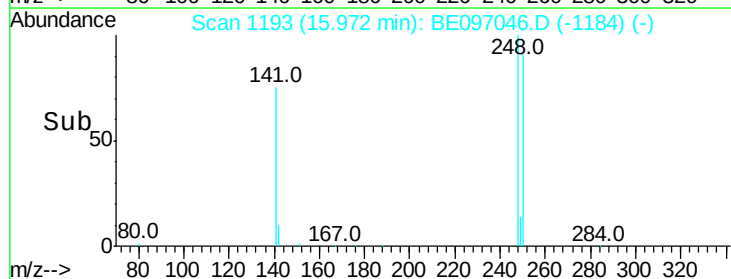
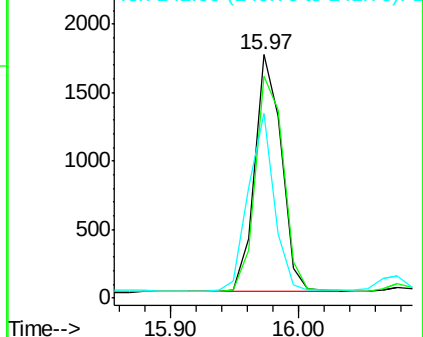
141 75.8 48.2 72.2#

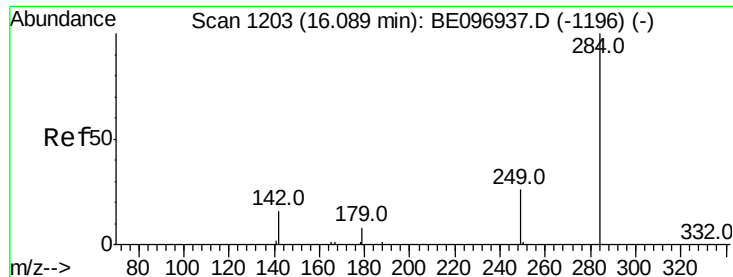


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.386 ng

RT: 16.08 min Scan# 1202

Delta R.T. 0.00 min

Lab File: BE097046.D

Acq: 23 Jul 2018 20:58

Instrument :

BNA_E

ClientSampleId :

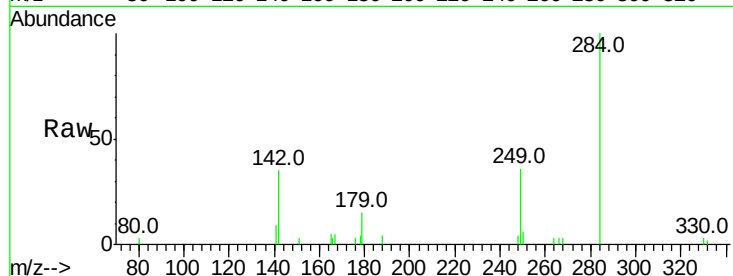
Tot Ion:284 Resp: 2700

Ion Ratio Lower Upper

284 100

142 34.4 22.1 33.1#

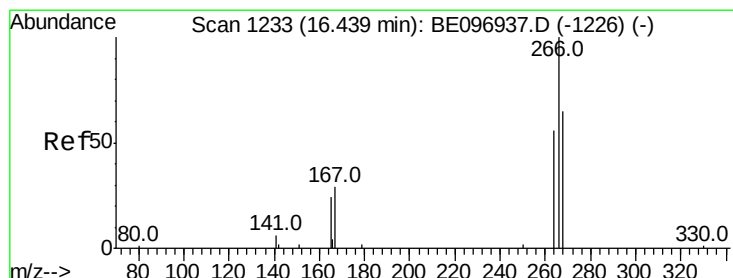
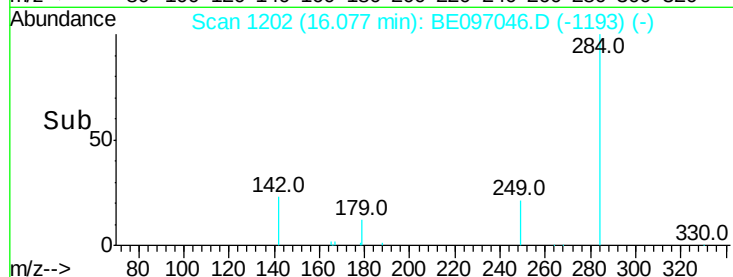
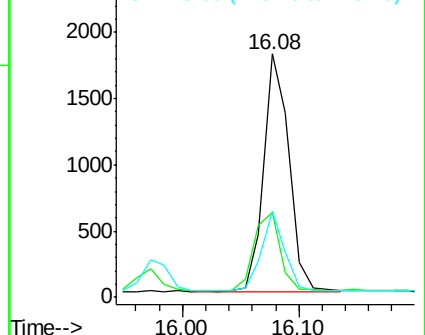
249 30.7 34.8 52.2#



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: 0.782 ng

RT: 16.43 min Scan# 1232

Delta R.T. 0.00 min

Lab File: BE097046.D

Acq: 23 Jul 2018 20:58

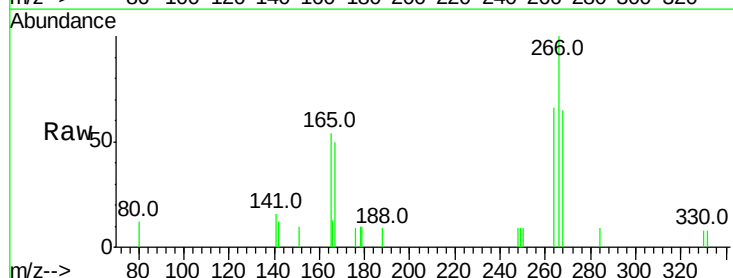
Tgt Ion:266 Resp: 928

Ion Ratio Lower Upper

266 100

264 65.9 72.5 108.7#

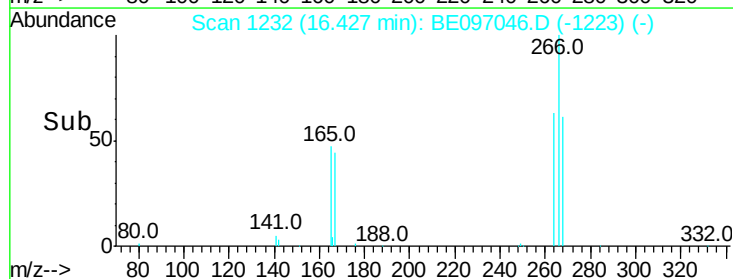
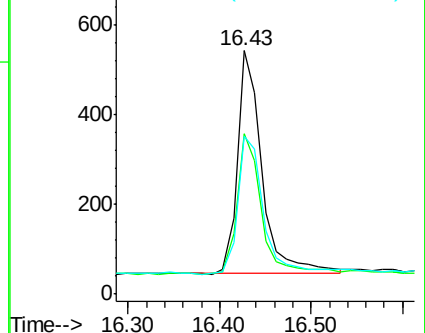
268 64.6 73.8 110.6#

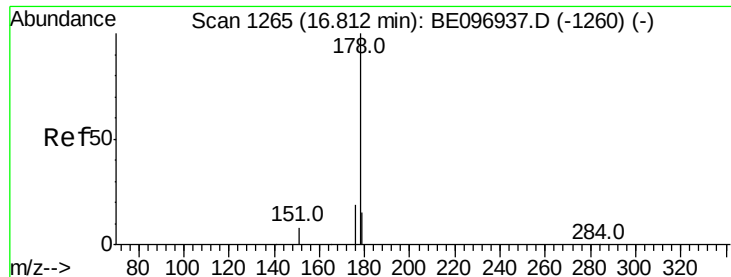


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.394 ng

RT: 16.81 min Scan# 1265

Delta R.T. 0.00 min

Lab File: BE097046.D

Acq: 23 Jul 2018 20:58

Instrument :

BNA_E

ClientSampleId :

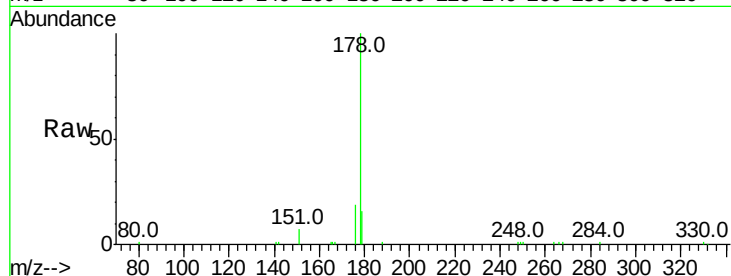
Tot Ion:178 Resp: 12573

Ion Ratio Lower Upper

178 100

176 19.6 15.1 22.7

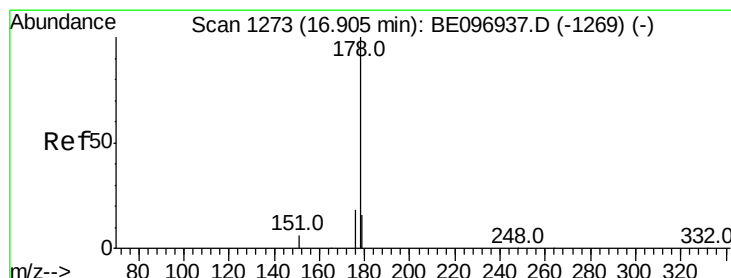
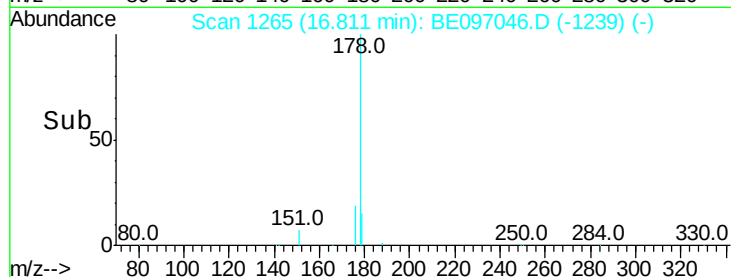
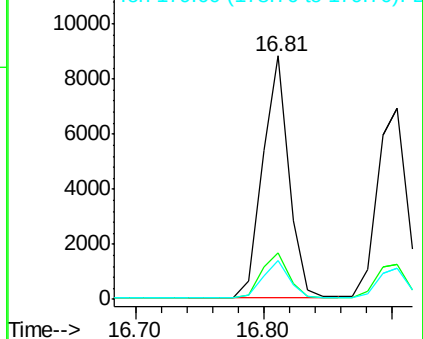
179 15.5 11.8 17.6



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: 0.401 ng

RT: 16.90 min Scan# 1273

Delta R.T. 0.00 min

Lab File: BE097046.D

Acq: 23 Jul 2018 20:58

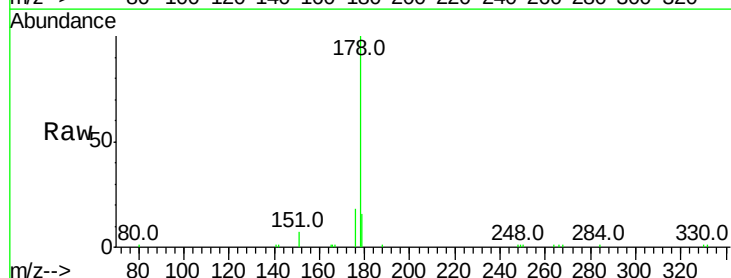
Tgt Ion:178 Resp: 11126

Ion Ratio Lower Upper

178 100

176 18.5 12.8 19.2

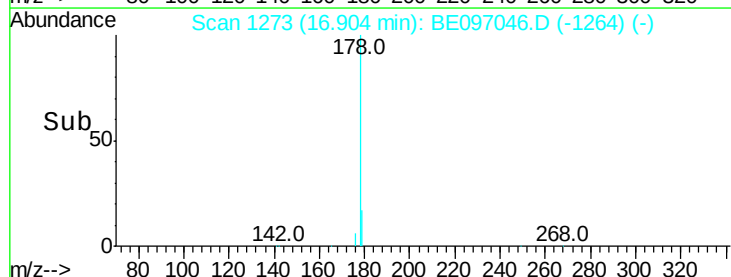
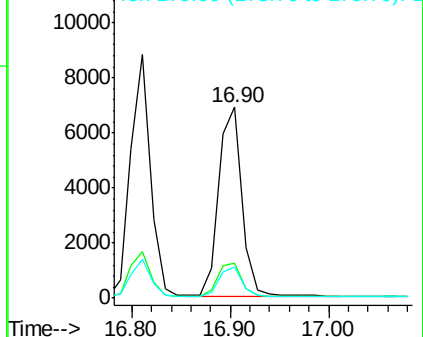
179 15.3 13.0 19.6

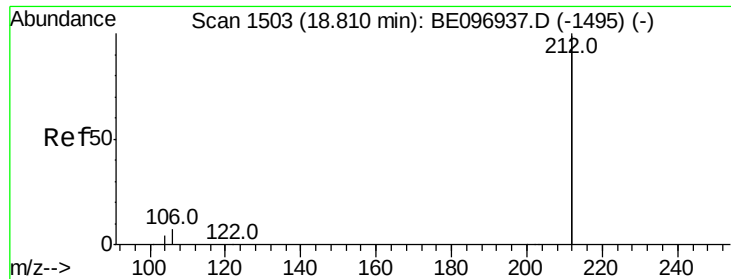


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.458 ng

RT: 18.81 min Scan# 1503

Delta R.T. -0.00 min

Lab File: BE097046.D

Acq: 23 Jul 2018 20:58

Instrument :

BNA_E

ClientSampleId :

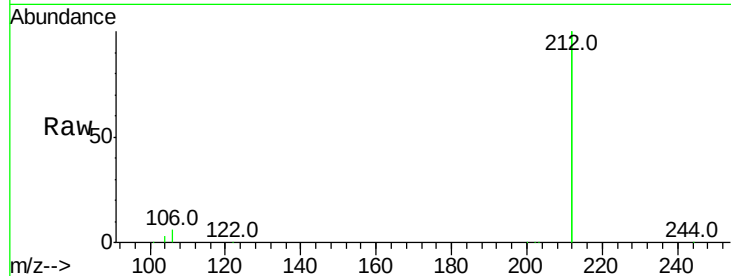
Tot Ion:212 Resp: 53077

Ion Ratio Lower Upper

212 100

106 3.0 2.8 4.2

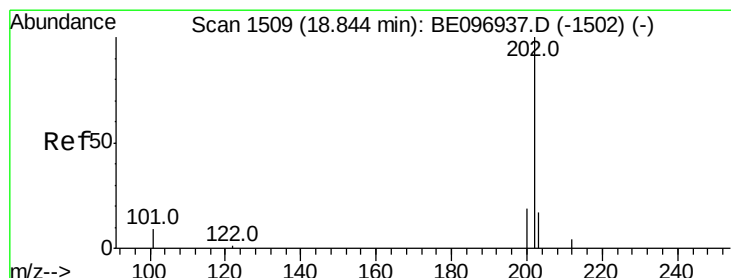
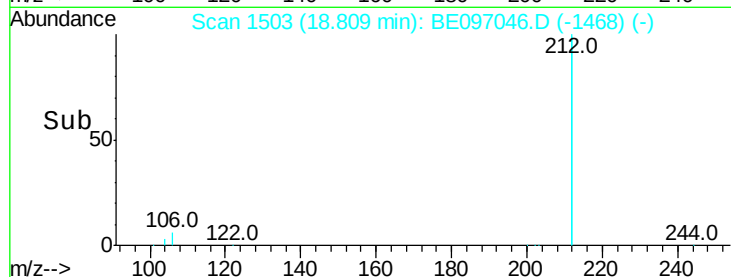
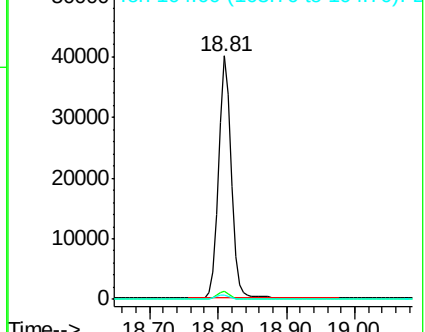
104 1.7 1.6 2.4



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: 0.423 ng

RT: 18.84 min Scan# 1508

Delta R.T. -0.00 min

Lab File: BE097046.D

Acq: 23 Jul 2018 20:58

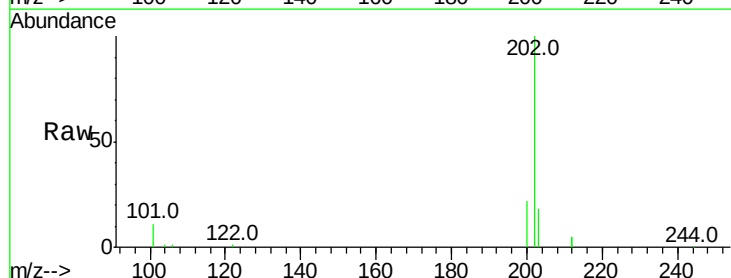
Tgt Ion:202 Resp: 14211

Ion Ratio Lower Upper

202 100

101 10.7 9.8 14.8

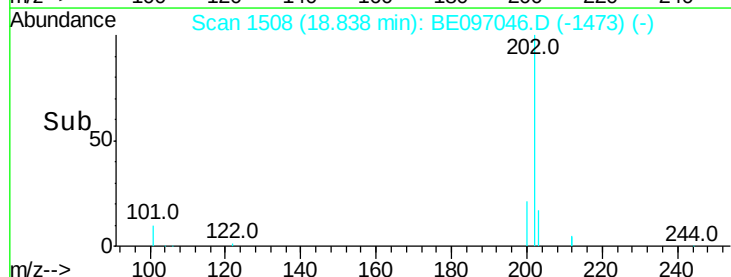
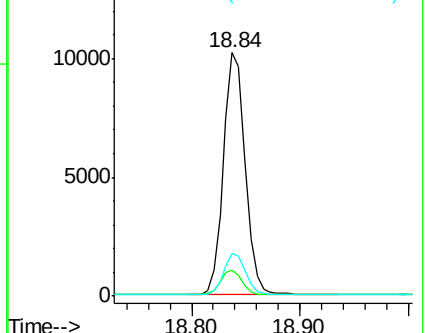
203 17.1 13.7 20.5

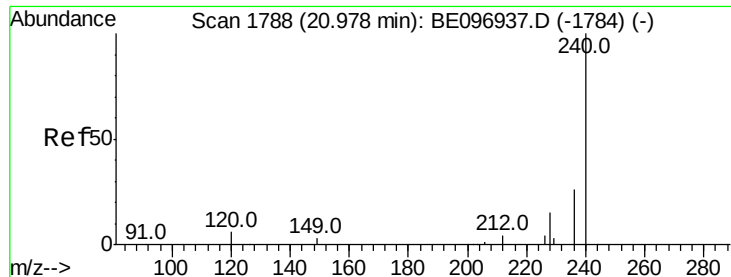


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

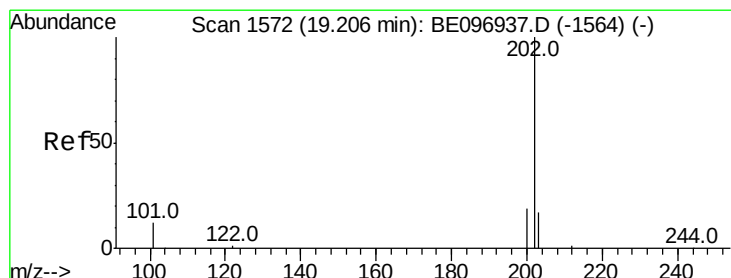
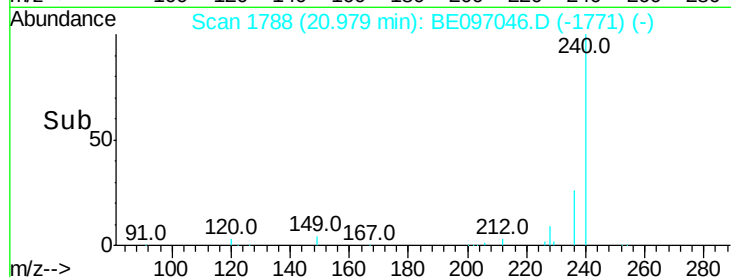
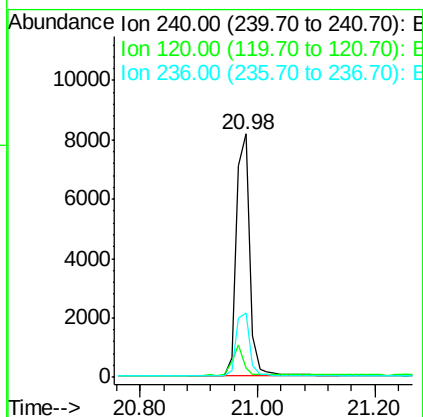
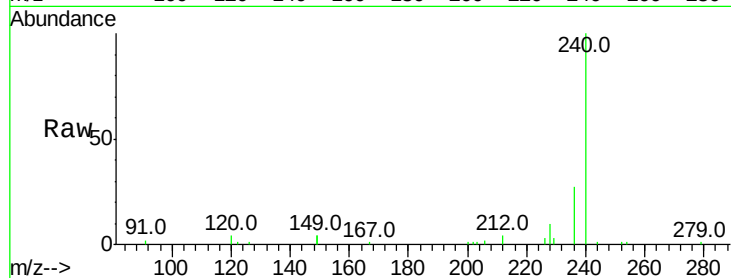




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 20.98 min Scan# 1788
 Delta R.T. 0.00 min
 Lab File: BE097046.D
 Acq: 23 Jul 2018 20:58

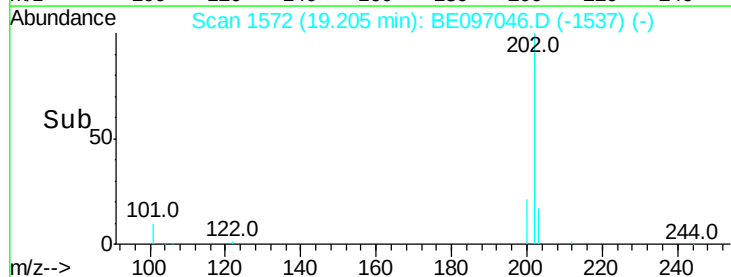
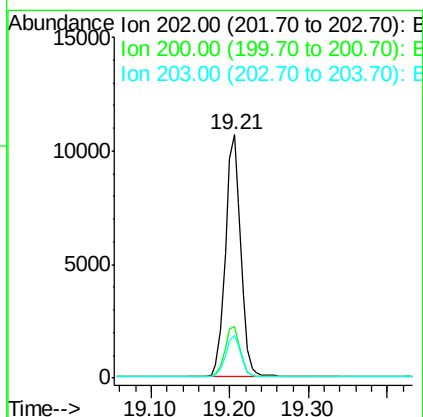
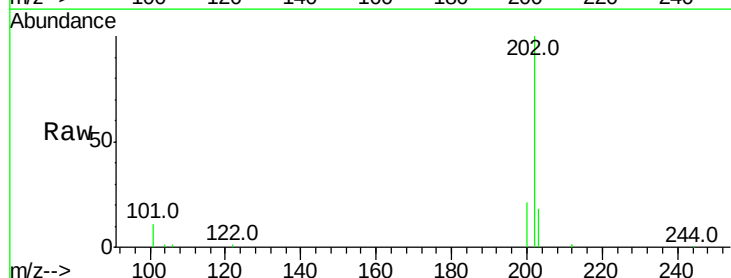
Instrument :
 BNA_E
 ClientSampleId :

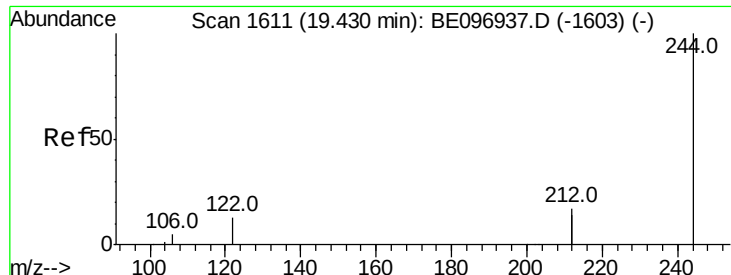
Tot Ion:240 Resp: 13073
 Ion Ratio Lower Upper
 240 100
 120 4.1 5.5 8.3#
 236 26.6 20.7 31.1



#28
 Pyrene
 Concen: 0.376 ng
 RT: 19.21 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: BE097046.D
 Acq: 23 Jul 2018 20:58

Tgt Ion:202 Resp: 14508
 Ion Ratio Lower Upper
 202 100
 200 21.0 16.6 25.0
 203 17.5 13.8 20.8

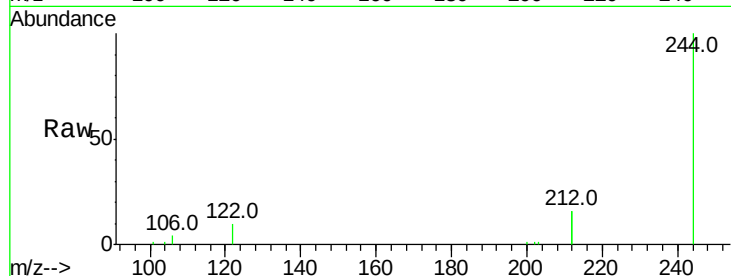




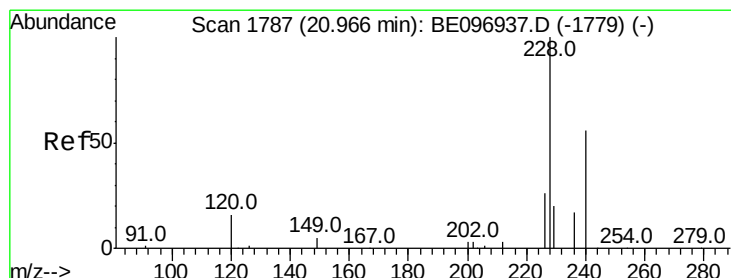
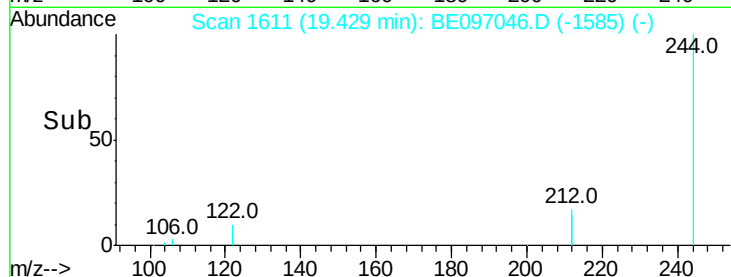
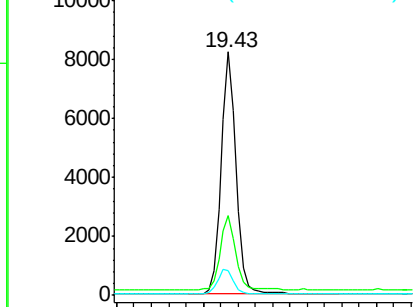
#29
 Terphenyl-d14
 Concen: 0.393 ng
 RT: 19.43 min Scan# 1611
 Delta R.T. -0.00 min
 Lab File: BE097046.D
 Acq: 23 Jul 2018 20:58

Instrument :
 BNA_E
 ClientSampled :

Tot Ion:244 Resp: 9923
 Ion Ratio Lower Upper
 244 100
 212 32.9 25.4 38.0
 122 10.4 8.1 12.1

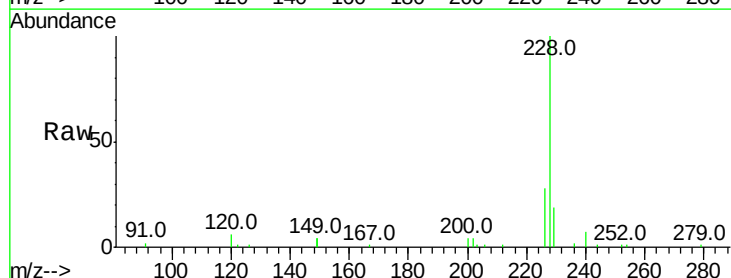


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

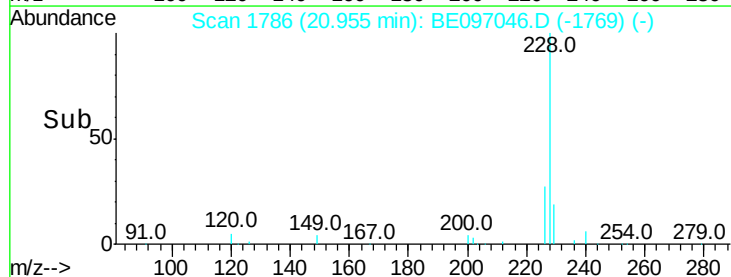
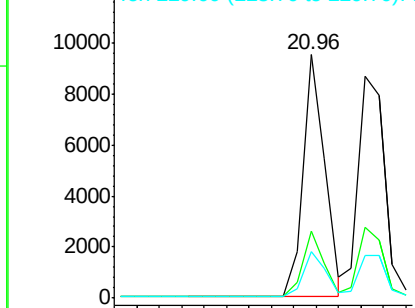


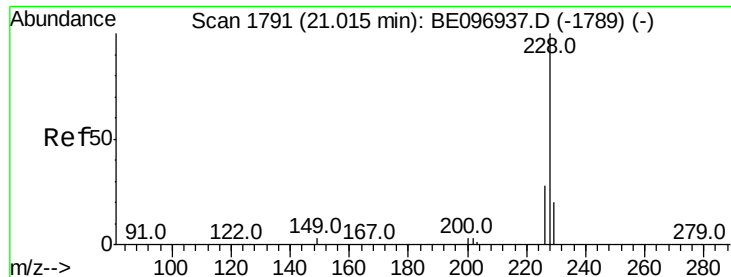
#30
 Benzo(a)anthracene
 Concen: 0.408 ng
 RT: 20.96 min Scan# 1786
 Delta R.T. 0.00 min
 Lab File: BE097046.D
 Acq: 23 Jul 2018 20:58

Tgt Ion:228 Resp: 12707
 Ion Ratio Lower Upper
 228 100
 226 27.7 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: 0.398 ng

RT: 21.00 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BE097046.D

Acq: 23 Jul 2018 20:58

Instrument :

BNA_E

ClientSampleId :

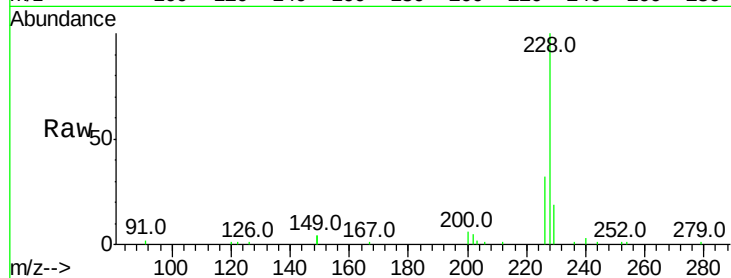
Tot Ion:228 Resp: 13887

Ion	Ratio	Lower	Upper
228	100		
226	32.2	24.0	36.0
229	19.3	16.0	24.0

228 100

226 32.2 24.0 36.0

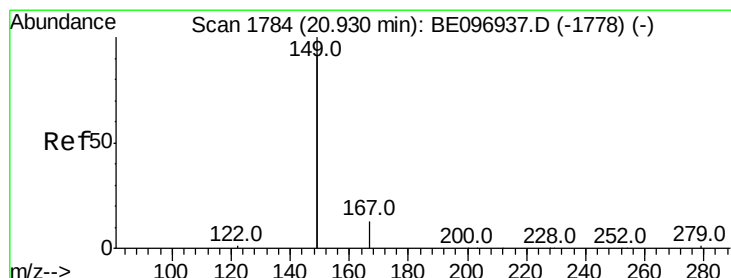
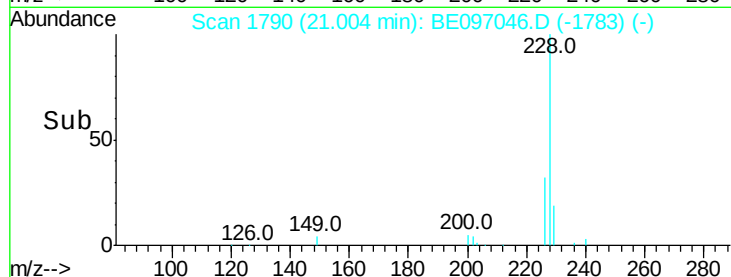
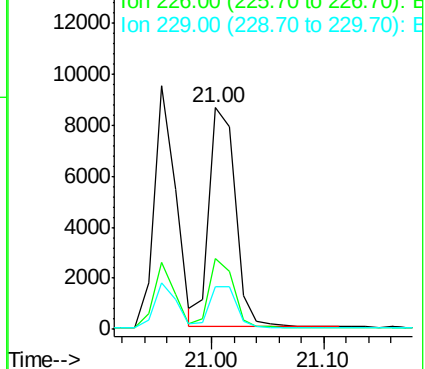
229 19.3 16.0 24.0



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.578 ng

RT: 20.92 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BE097046.D

Acq: 23 Jul 2018 20:58

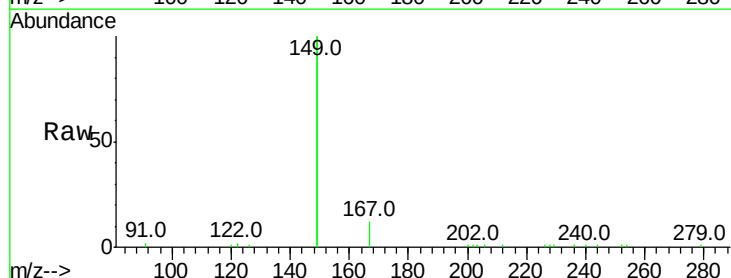
Tgt Ion:149 Resp: 17964

Ion	Ratio	Lower	Upper
149	100		
167	6.2	5.4	8.0
279	1.0	0.7	1.1

149 100

167 6.2 5.4 8.0

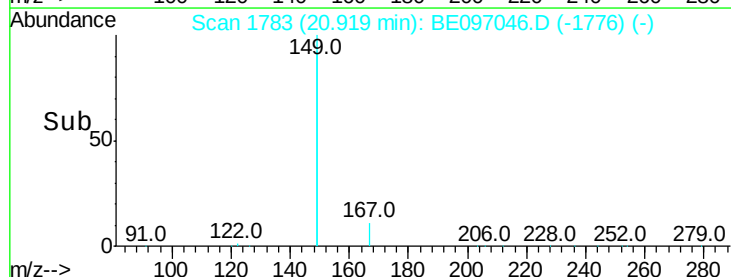
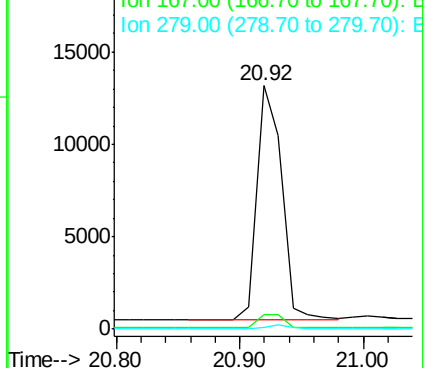
279 1.0 0.7 1.1

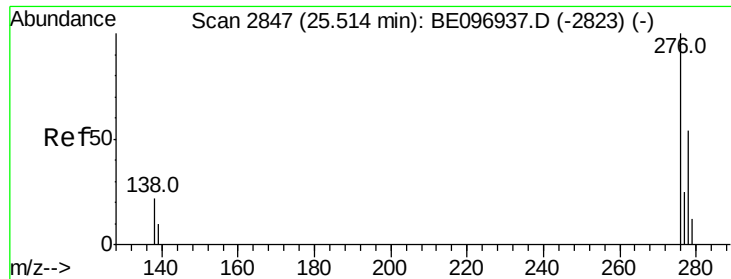


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

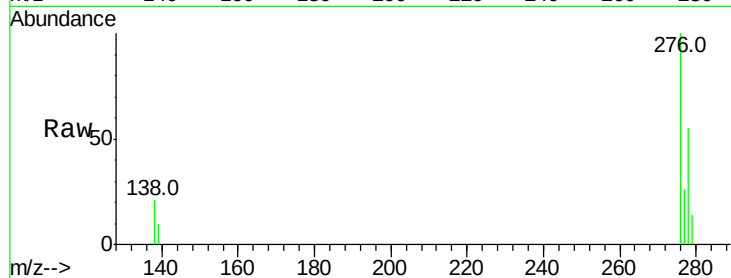




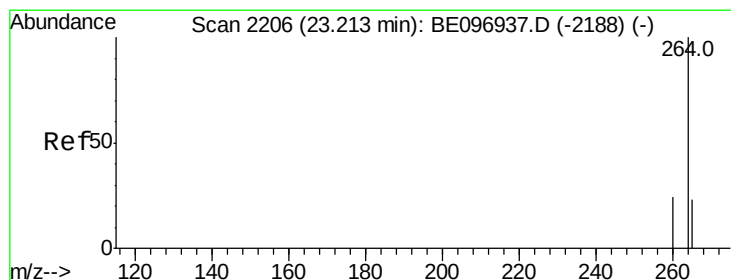
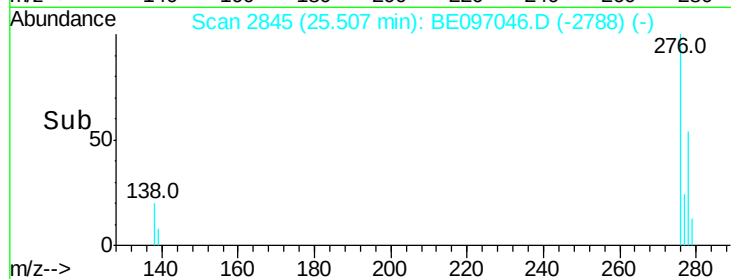
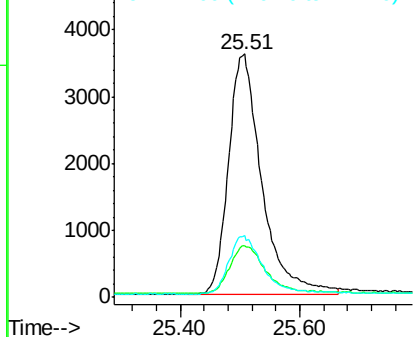
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.546 ng
 RT: 25.51 min Scan# 2845
 Delta R.T. 0.00 min
 Lab File: BE097046.D
 Acq: 23 Jul 2018 20:58

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 13893
 Ion Ratio Lower Upper
 276 100
 138 21.3 22.5 33.7#
 277 24.4 19.9 29.9

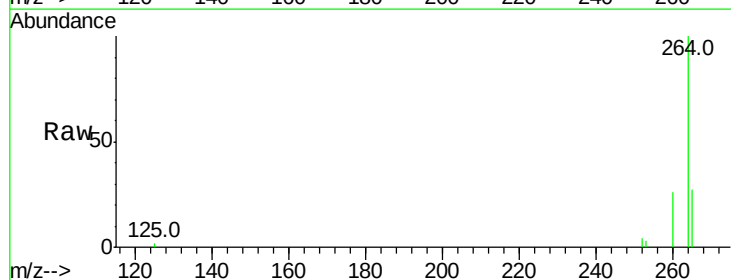


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

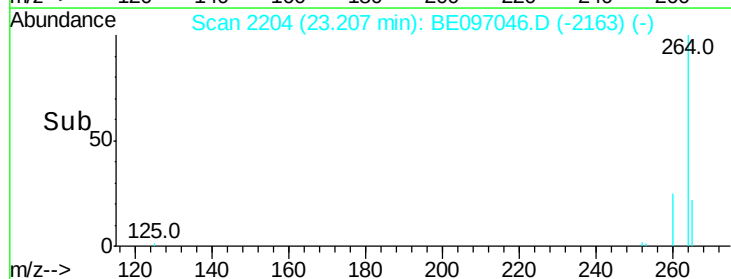
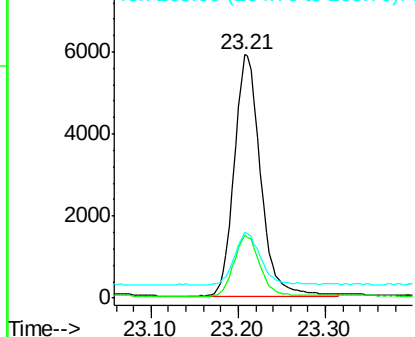


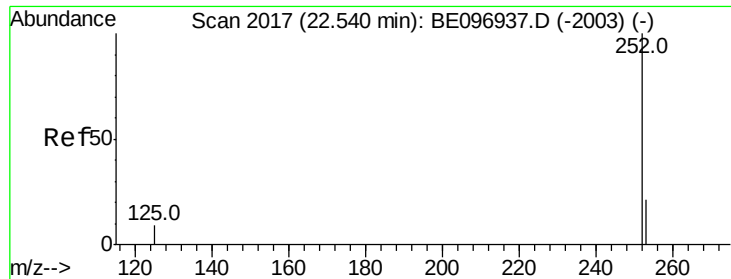
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.21 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: BE097046.D
 Acq: 23 Jul 2018 20:58

Tgt Ion:264 Resp: 12283
 Ion Ratio Lower Upper
 264 100
 260 25.9 20.5 30.7
 265 26.7 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: 0.380 ng

RT: 22.54 min Scan# 2016

Delta R.T. 0.00 min

Lab File: BE097046.D

Acq: 23 Jul 2018 20:58

Instrument :

BNA_E

ClientSampleId :

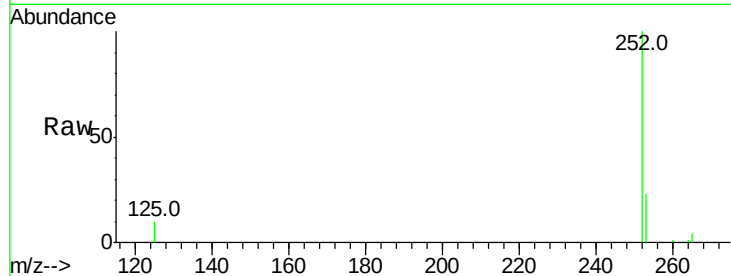
Tot Ion:252 Resp: 11924

Ion Ratio Lower Upper

252 100

253 23.0 20.0 30.0

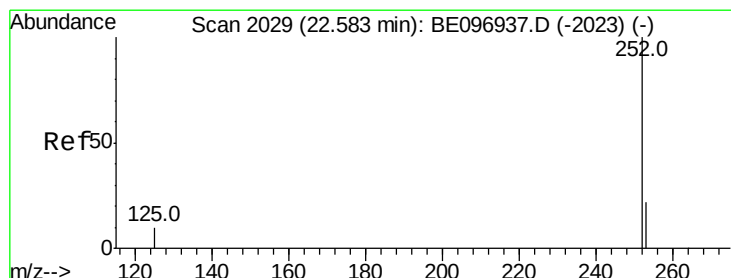
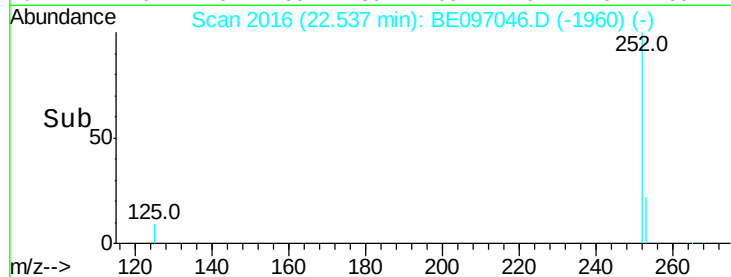
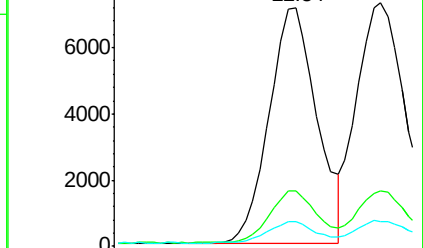
125 10.4 16.0 24.0#



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: 0.352 ng

RT: 22.58 min Scan# 2028

Delta R.T. -0.00 min

Lab File: BE097046.D

Acq: 23 Jul 2018 20:58

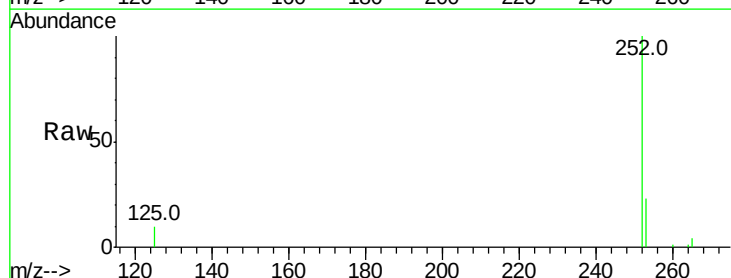
Tgt Ion:252 Resp: 13113

Ion Ratio Lower Upper

252 100

253 23.0 16.0 24.0

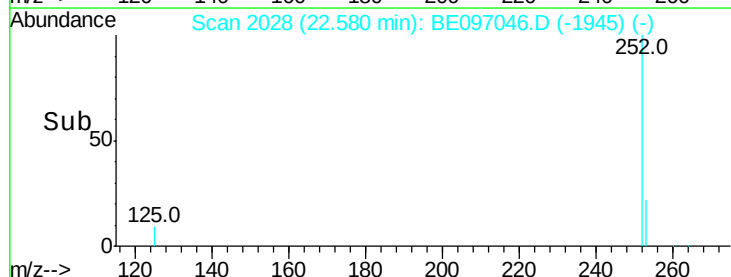
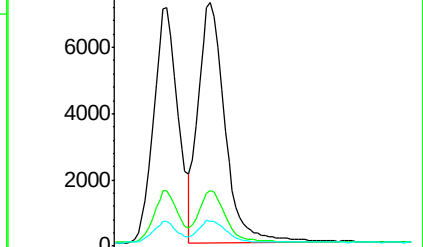
125 10.4 8.0 12.0

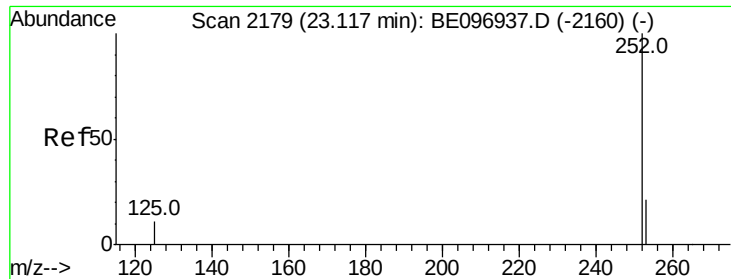


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.410 ng

RT: 23.11 min Scan# 2177

Delta R.T. 0.00 min

Lab File: BE097046.D

Acq: 23 Jul 2018 20:58

Instrument :

BNA_E

ClientSampleId :

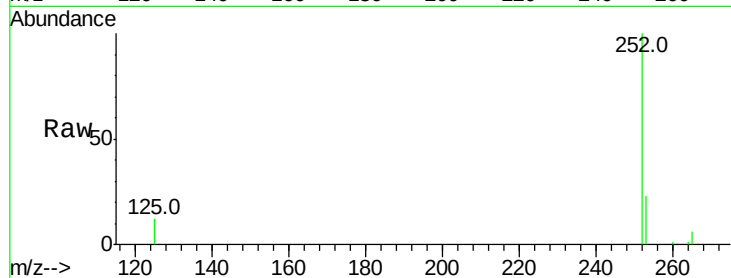
Tot Ion:252 Resp: 11009

Ion Ratio Lower Upper

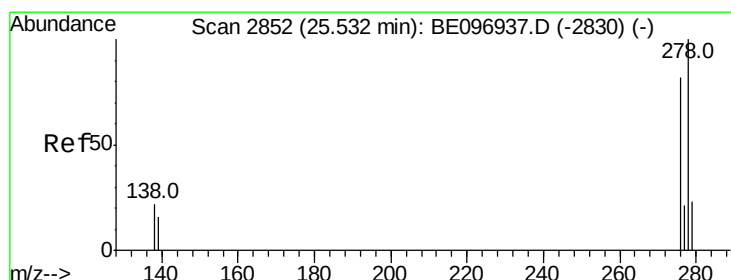
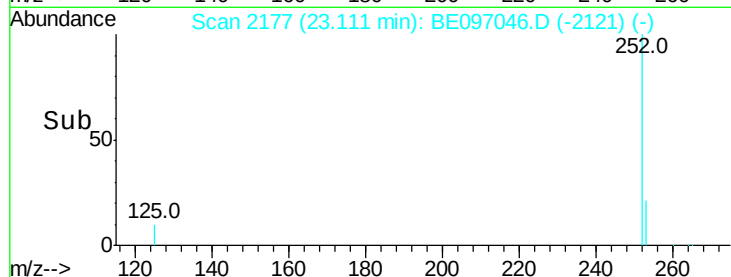
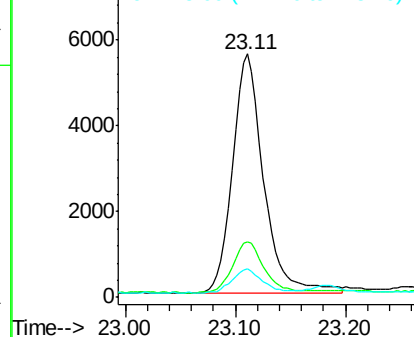
252 100

253 22.8 16.0 24.0

125 11.5 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: 0.498 ng

RT: 25.53 min Scan# 2851

Delta R.T. 0.00 min

Lab File: BE097046.D

Acq: 23 Jul 2018 20:58

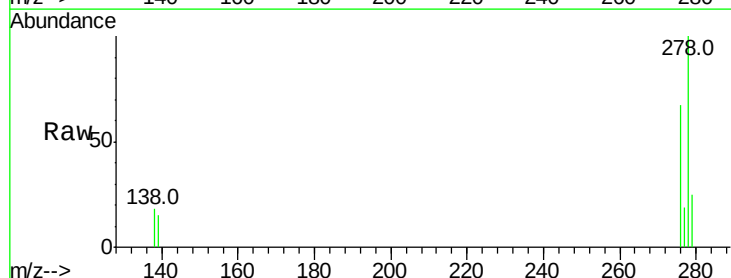
Tgt Ion:278 Resp: 11661

Ion Ratio Lower Upper

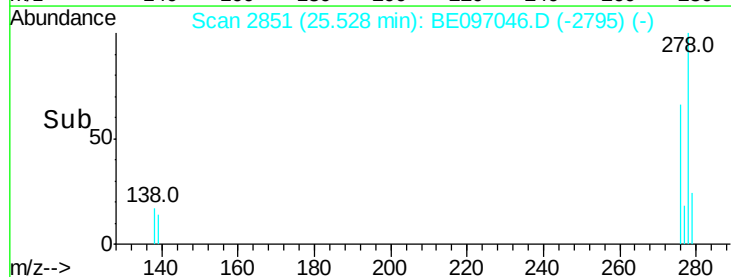
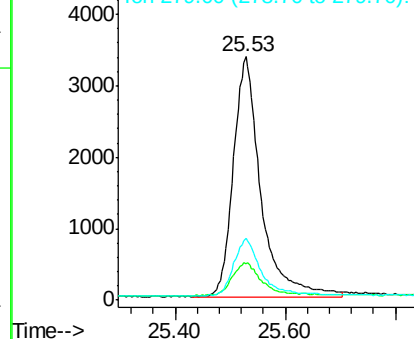
278 100

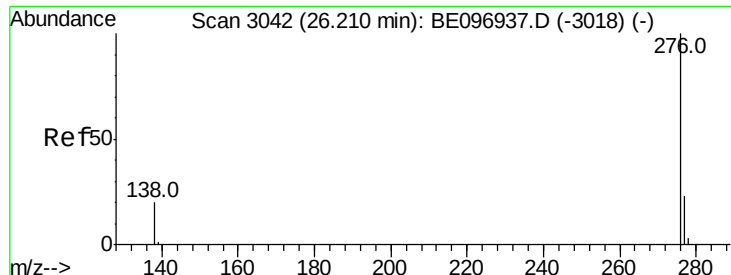
139 15.1 16.0 24.0#

279 25.4 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: 0.472 ng

RT: 26.20 min Scan# 3039

Delta R.T. -0.00 min

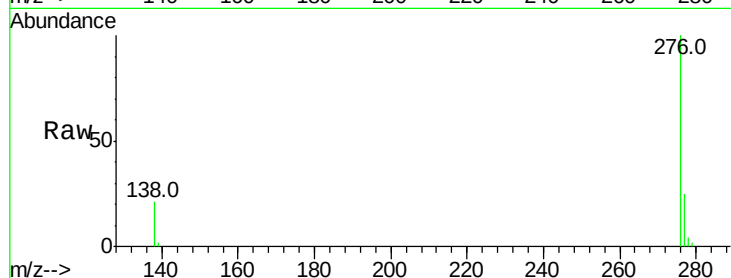
Lab File: BE097046.D

Acq: 23 Jul 2018 20:58

Instrument :

BNA_E

ClientSampleId :



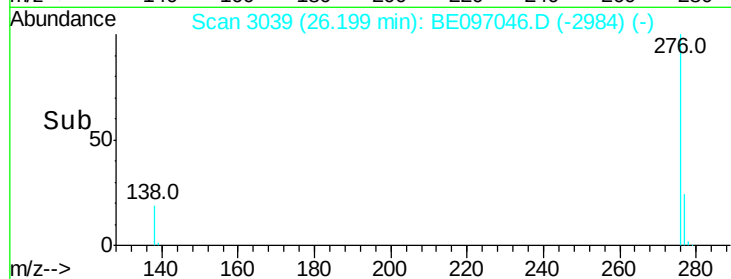
Tot Ion:276 Resp: 12026

Ion Ratio Lower Upper

276 100

277 25.0 16.0 24.0#

138 20.6 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

