

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071618\
 Data File : BE096943.D
 Acq On : 16 Jul 2018 18:09
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 17 16:42:08 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 17 15:02:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	2187	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	11768	0.40	ng	0.00
13) Acenaphthene-d10	14.03	164	6198	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	14658	0.40	ng	-0.01
27) Chrysene-d12	20.98	240	12422	0.40	ng	0.00
34) Perylene-d12	23.21	264	11823	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	2099	0.40	ng	0.00
5) Phenol-d6	6.59	99	3336	0.42	ng	0.00
8) Nitrobenzene-d5	8.53	82	3613	0.42	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	6730	0.39	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	617	0.45	ng	0.00
15) 2-Fluorobiphenyl	12.64	172	9771	0.42	ng	0.00
25) Fluoranthene-d10	18.81	212	48583	0.38	ng	0.00
29) Terphenyl-d14	19.43	244	9903	0.41	ng	0.00

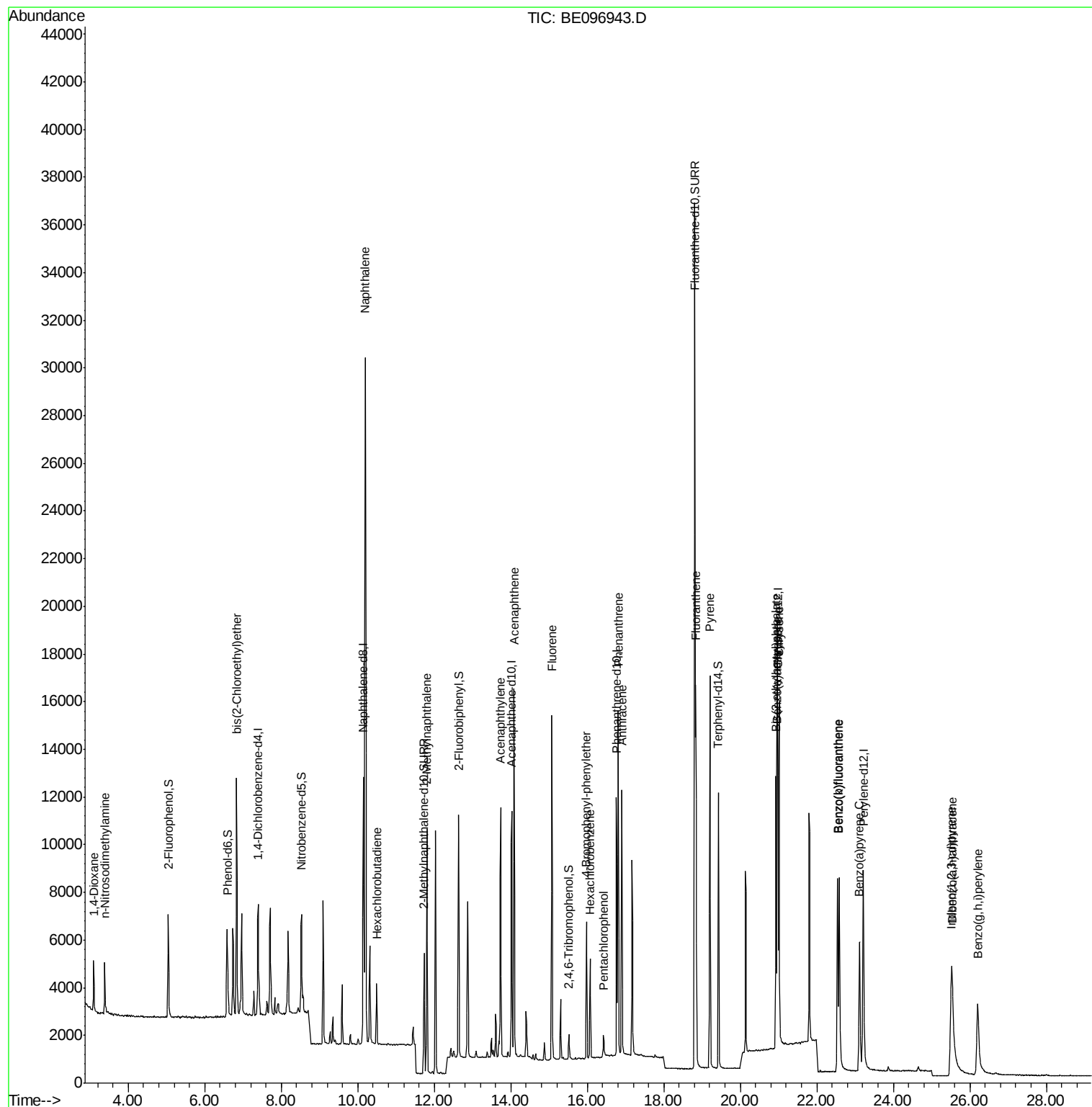
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.09	88	1209	0.386	ng	# 89
3) n-Nitrosodimethylamine	3.38	42	1419	0.403	ng	# 91
6) bis(2-Chloroethyl)ether	6.84	93	3174	0.405	ng	94
9) Naphthalene	10.20	128	42404	0.403	ng	99
10) Hexachlorobutadiene	10.50	225	1726	0.405	ng	96
12) 2-Methylnaphthalene	11.81	142	7153	0.400	ng	100
16) Acenaphthylene	13.74	152	11663	0.412	ng	100
17) Acenaphthene	14.08	154	7196	0.409	ng	94
18) Fluorene	15.08	166	8020	0.406	ng	# 80
20) 4-Bromophenyl-phenylether	15.97	248	2804	0.405	ng	# 68
21) Hexachlorobenzene	16.08	284	3131	0.407	ng	# 81
22) Pentachlorophenol	16.43	266	532	0.471	ng	# 76
23) Phenanthrene	16.81	178	14259	0.406	ng	98
24) Anthracene	16.91	178	12603	0.413	ng	95
26) Fluoranthene	18.84	202	14641	0.395	ng	98
28) Pyrene	19.20	202	14738	0.402	ng	99
30) Benzo(a)anthracene	20.96	228	11640	0.394	ng	98
31) Chrysene	21.02	228	13060	0.394	ng	100
32) Bis(2-ethylhexyl)phthalate	20.93	149	11636	0.394	ng	100
33) Indeno(1,2,3-cd)pyrene	25.51	276	10221	0.423	ng	95
35) Benzo(b)fluoranthene	22.54	252	10564	0.350	ng	# 89
36) Benzo(k)fluoranthene	22.58	252	12733	0.355	ng	97
37) Benzo(a)pyrene	23.11	252	9328	0.373	ng	# 93
38) Dibenzo(a,h)anthracene	25.54	278	8486	0.405	ng	98
39) Benzo(g,h,i)perylene	26.21	276	9094	0.371	ng	# 93

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.40 min Scan# 394

Delta R.T. -0.00 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

Instrument :

BNA_E

ClientSampled :

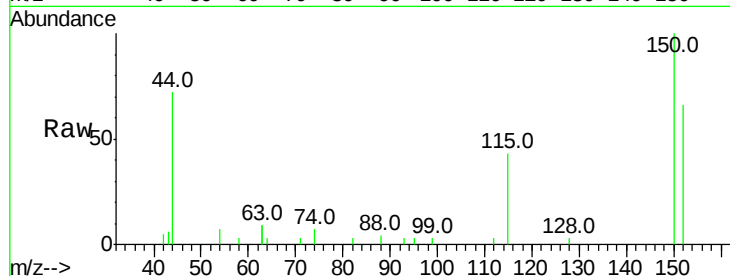
Tot Ion:152 Resp: 2187

Ion Ratio Lower Upper

152 100

150 150.6 117.2 175.8

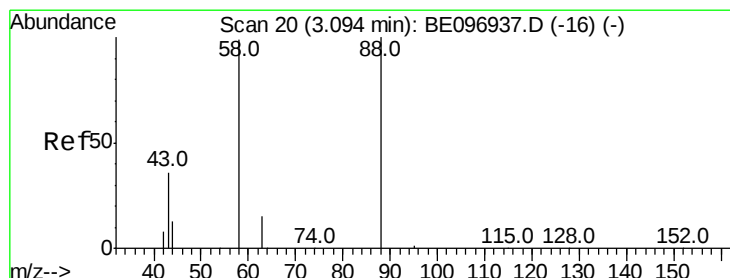
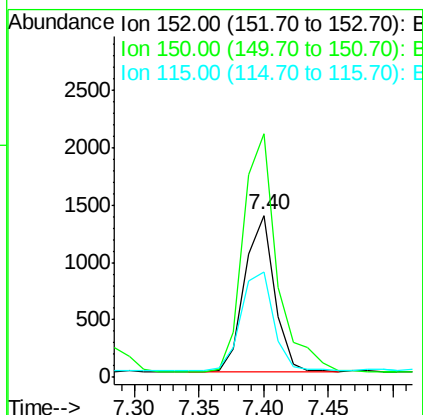
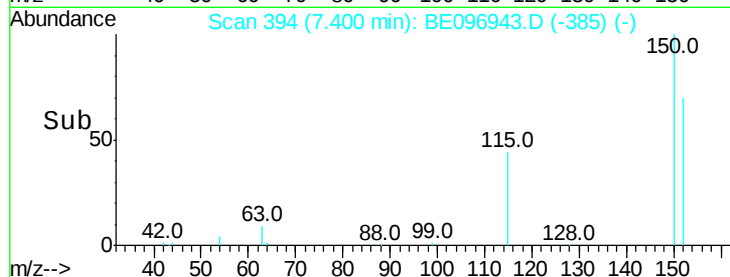
115 65.1 57.0 85.6



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: 0.386 ng

RT: 3.09 min Scan# 20

Delta R.T. -0.00 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

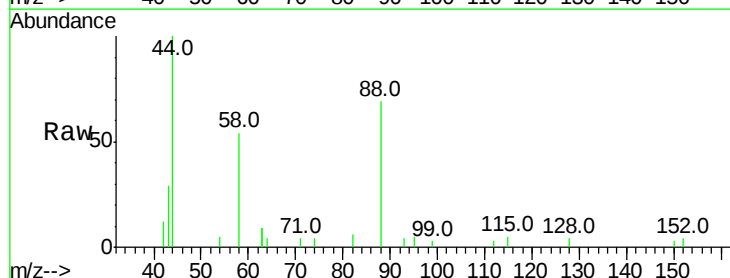
Tgt Ion: 88 Resp: 1209

Ion Ratio Lower Upper

88 100

58 81.7 63.2 94.8

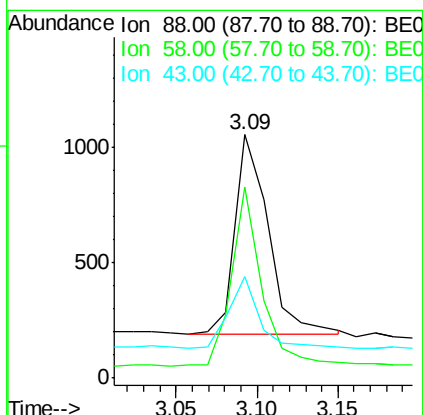
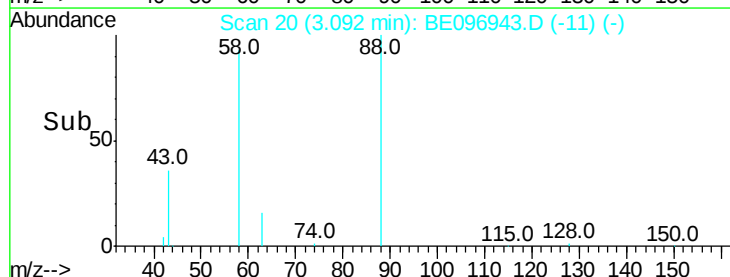
43 34.5 41.2 61.8#



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: 0.403 ng

RT: 3.38 min Scan# 45

Delta R.T. -0.00 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

Instrument :

BNA_E

ClientSampleId :

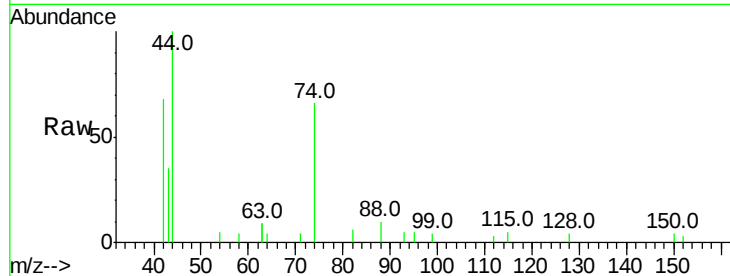
Tot Ion: 42 Resp: 1419

Ion Ratio Lower Upper

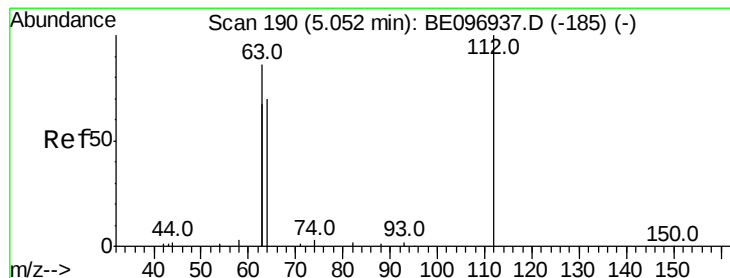
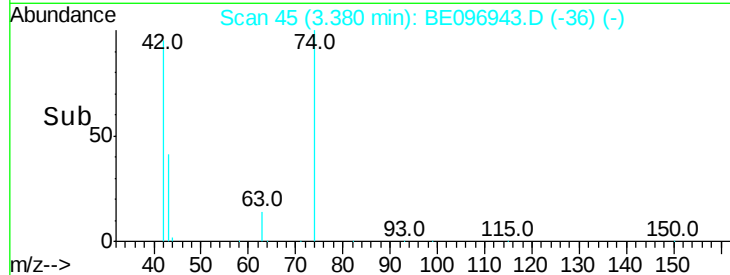
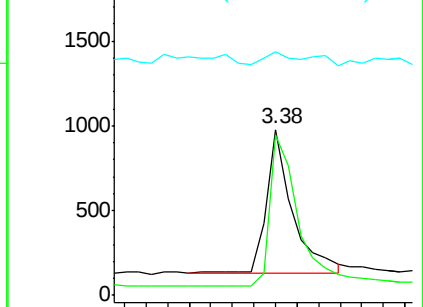
42 100

74 111.1 96.0 144.0

44 8.9 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: 0.401 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

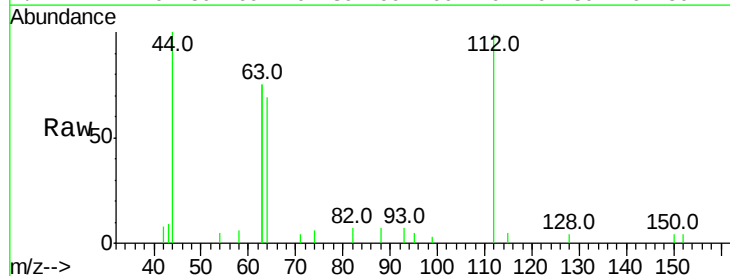
Tgt Ion: 112 Resp: 2099

Ion Ratio Lower Upper

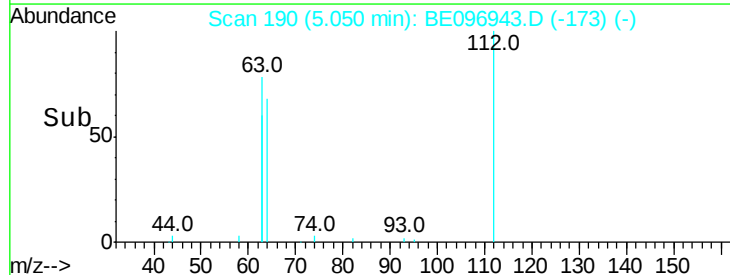
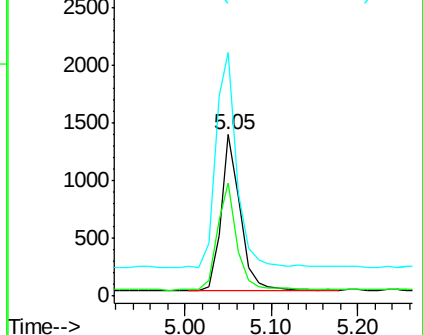
112 100

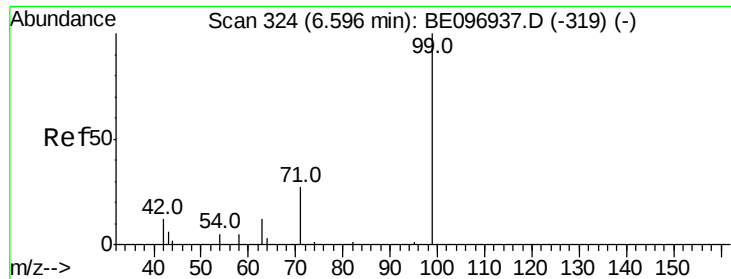
64 71.4 60.1 90.1

63 152.4 116.8 175.2



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: 0.418 ng

RT: 6.59 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

Instrument :

BNA_E

ClientSampled :

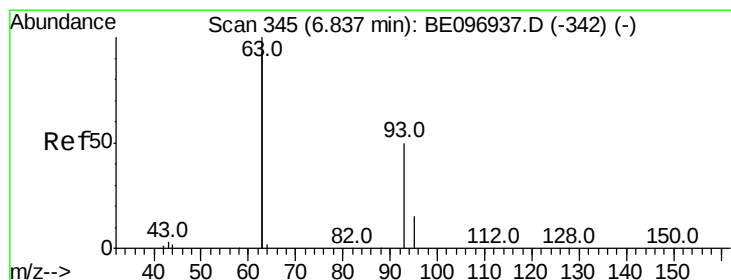
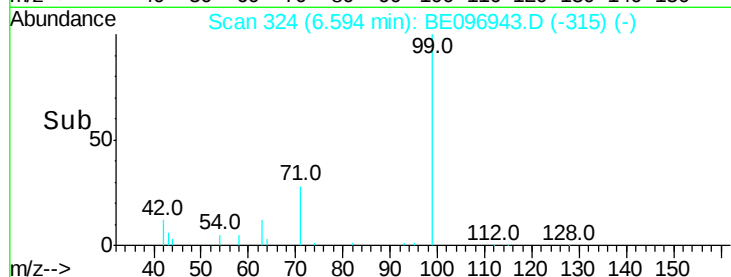
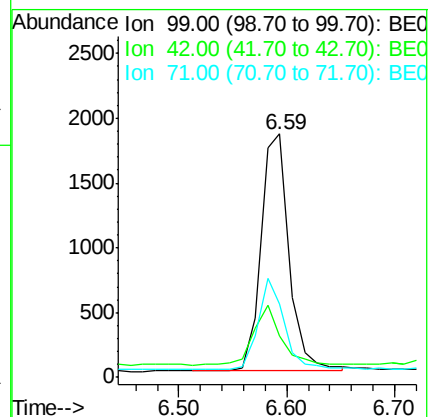
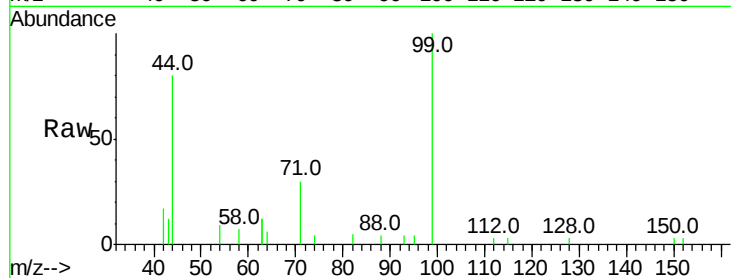
Tot Ion: 99 Resp: 3336

Ion Ratio Lower Upper

99 100

42 25.1 20.2 30.2

71 35.4 28.4 42.6



#6

bis(2-Chloroethyl)ether

Concen: 0.405 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

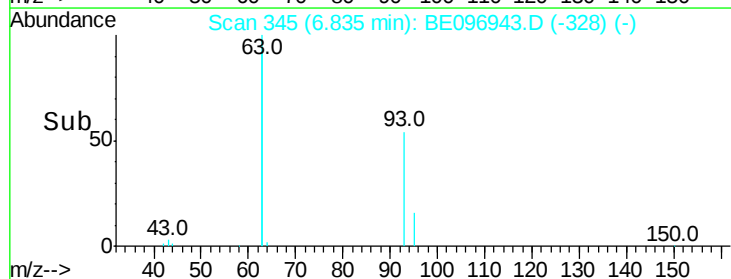
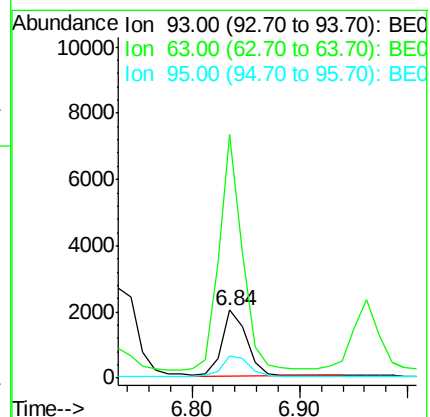
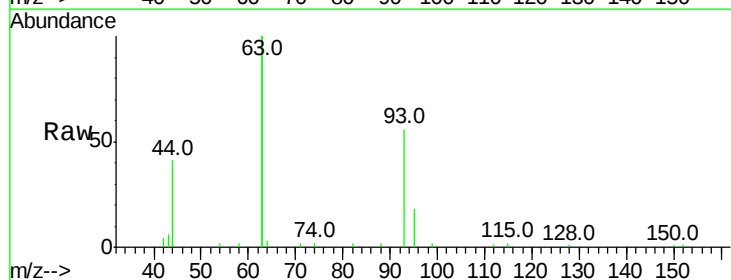
Tgt Ion: 93 Resp: 3174

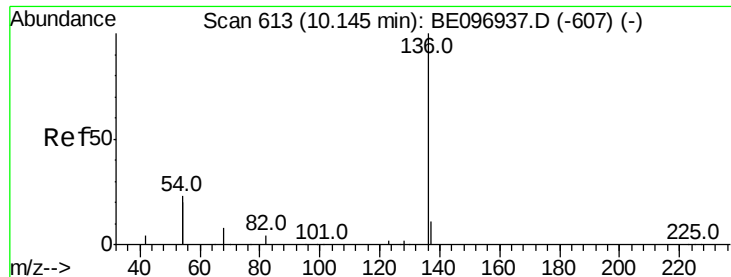
Ion Ratio Lower Upper

93 100

63 331.1 275.3 412.9

95 32.2 25.2 37.8





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 614

Delta R.T. 0.00 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

Instrument :

BNA_E

ClientSampled :

Tot Ion:136 Resp: 11768

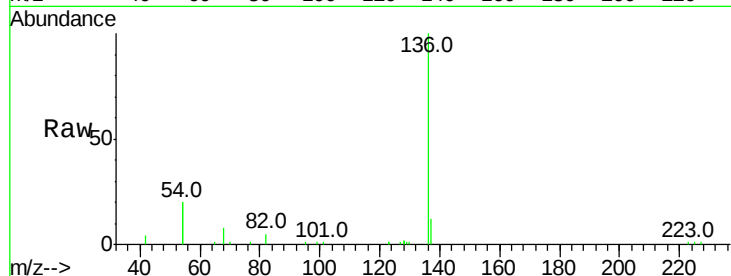
Ion Ratio Lower Upper

136 100

137 11.5 9.5 14.3

54 39.6 29.1 43.7

68 7.6 6.2 9.2

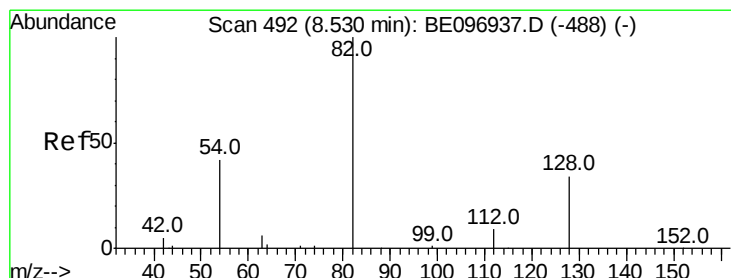
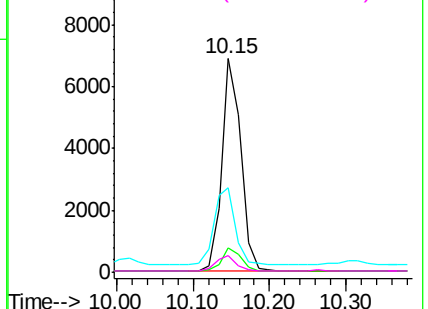
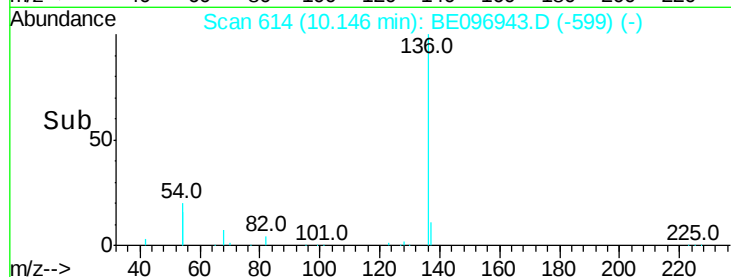


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.421 ng

RT: 8.53 min Scan# 492

Delta R.T. -0.00 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

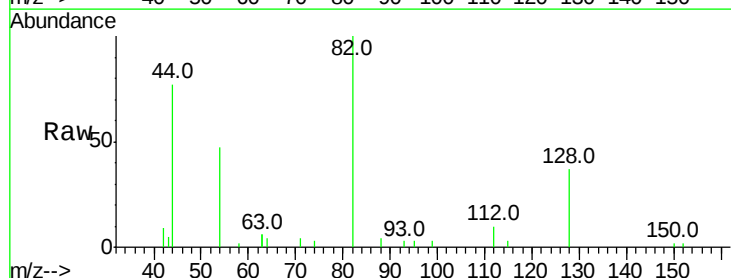
Tgt Ion: 82 Resp: 3613

Ion Ratio Lower Upper

82 100

128 36.6 24.0 36.0#

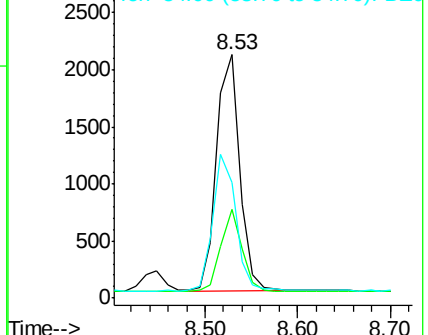
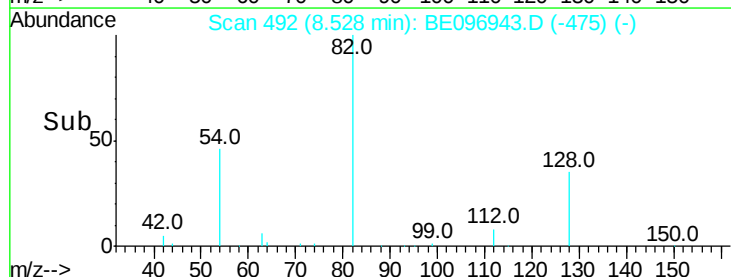
54 47.4 40.0 60.0

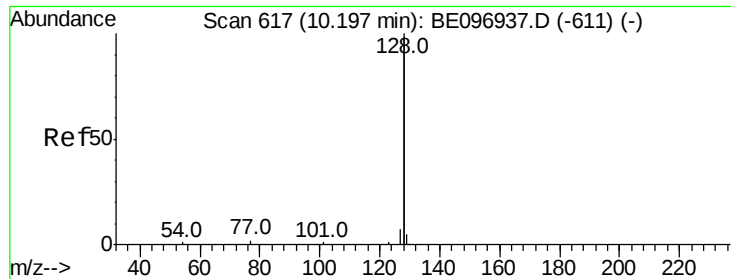


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.403 ng

RT: 10.20 min Scan# 618

Delta R.T. 0.00 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

Instrument :

BNA_E

ClientSampleId :

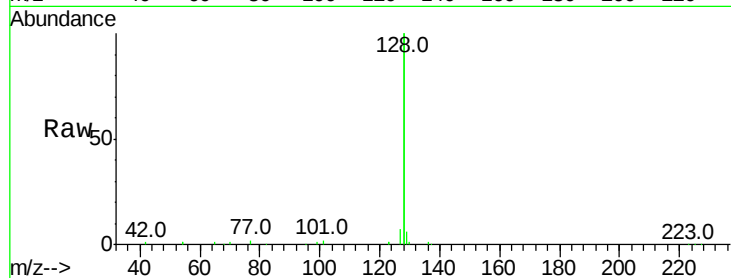
Tot Ion:128 Resp: 42404

Ion Ratio Lower Upper

128 100

129 3.0 2.6 3.8

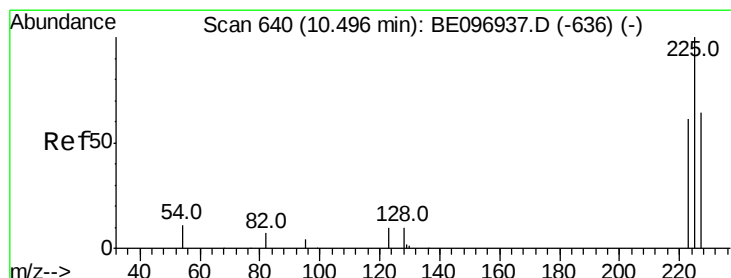
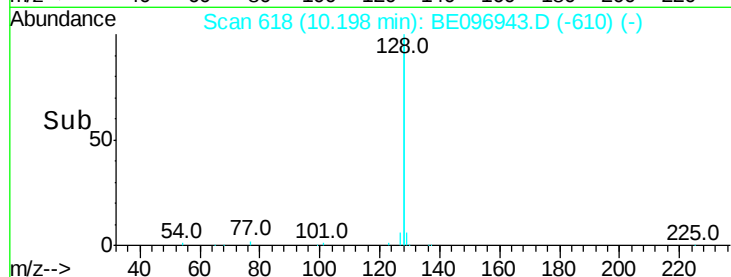
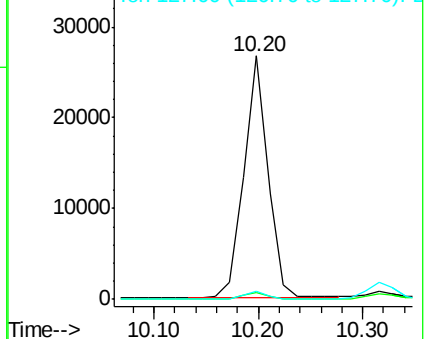
127 3.4 2.8 4.2



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: 0.405 ng

RT: 10.50 min Scan# 641

Delta R.T. 0.00 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

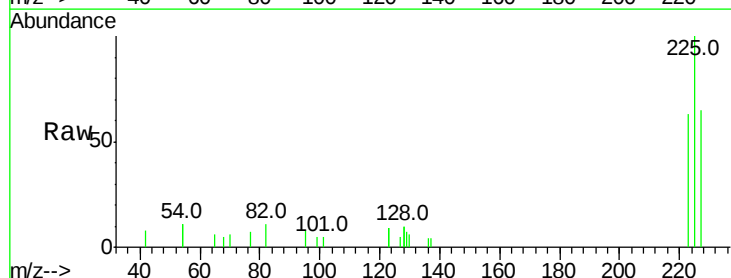
Tgt Ion:225 Resp: 1726

Ion Ratio Lower Upper

225 100

223 62.6 53.0 79.6

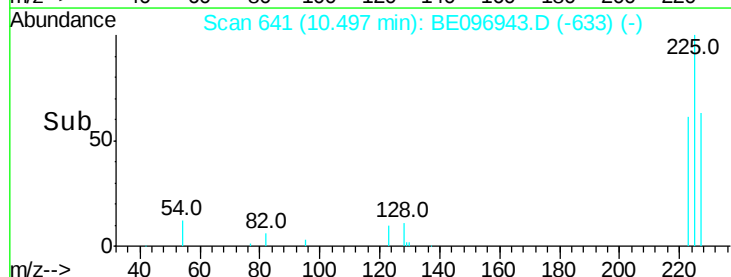
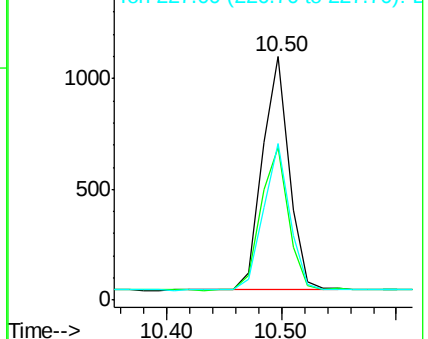
227 61.2 51.4 77.2



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: 0.392 ng

RT: 11.73 min Scan# 763

Delta R.T. 0.00 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

Instrument :

BNA_E

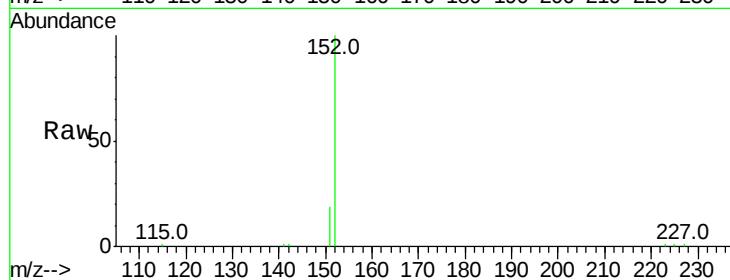
ClientSampleId :

Tot Ion:152 Resp: 6730

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

11.73

4000

3000

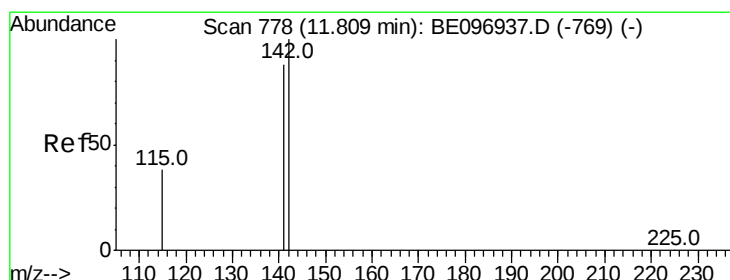
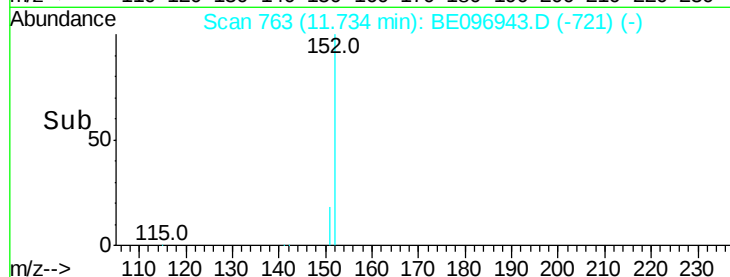
2000

1000

0

Time-->

11.70 11.80



#12

2-Methylnaphthalene

Concen: 0.400 ng

RT: 11.81 min Scan# 779

Delta R.T. 0.00 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

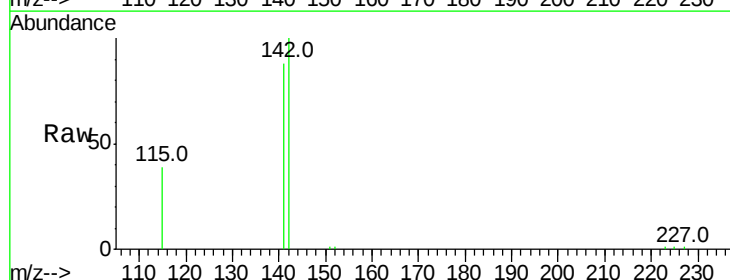
Tgt Ion:142 Resp: 7153

Ion Ratio Lower Upper

142 100

141 88.0 70.4 105.6

115 39.0 31.7 47.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

11.81

6000

5000

4000

3000

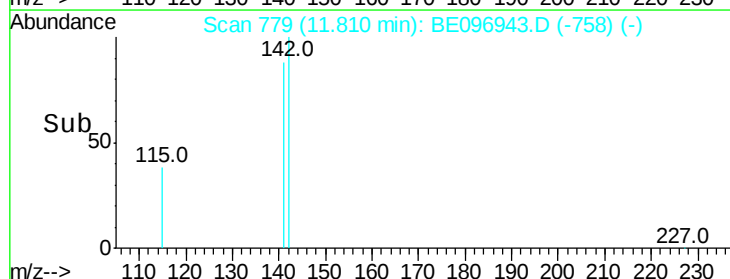
2000

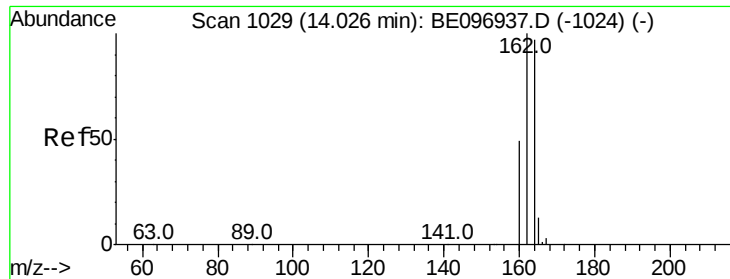
1000

0

Time-->

11.70 11.80 11.90

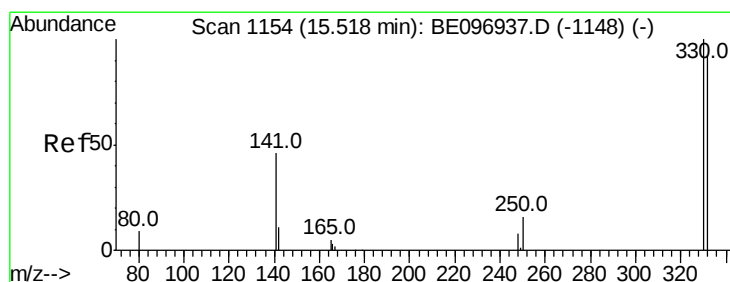
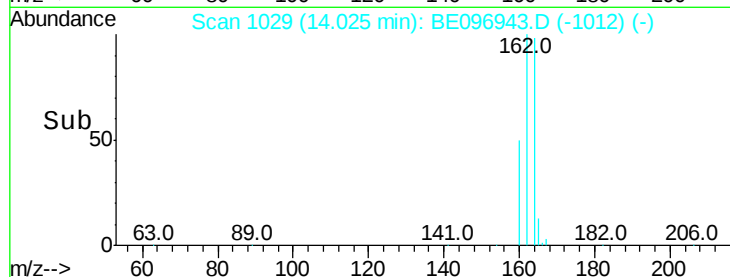
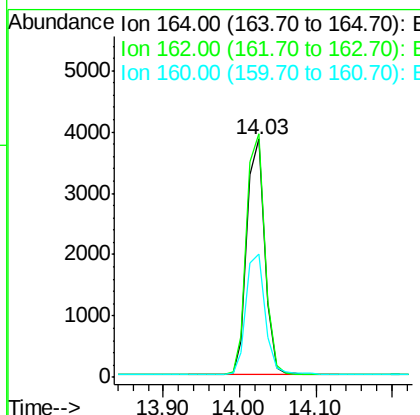
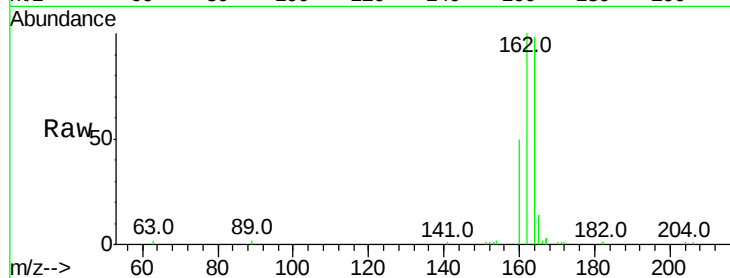




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.03 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: BE096943.D
 Acq: 16 Jul 2018 18:09

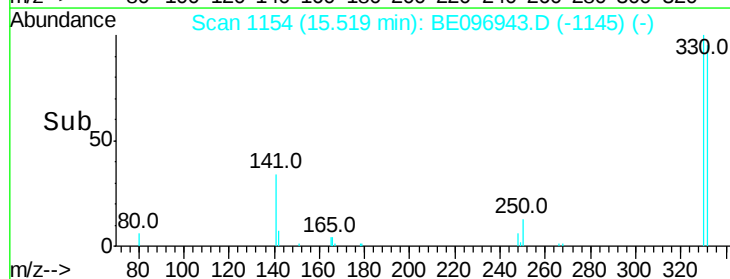
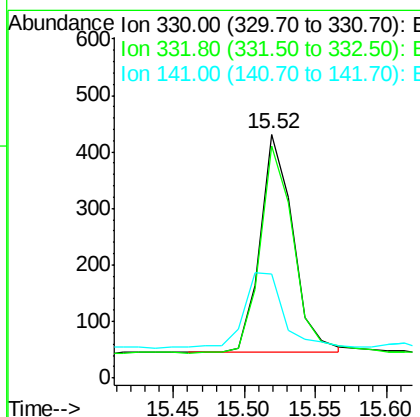
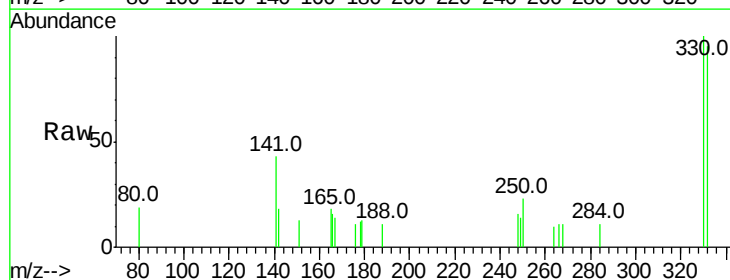
Instrument :
 BNA_E
 ClientSampleId :

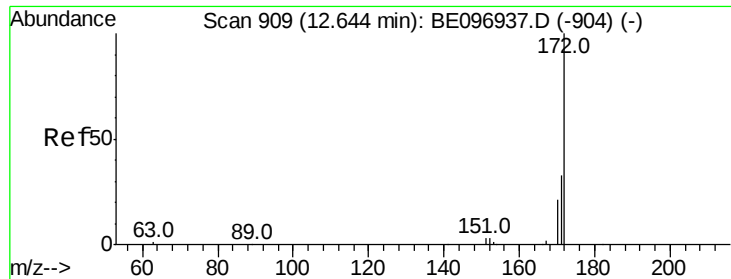
Tot Ion:164 Resp: 6198
 Ion Ratio Lower Upper
 164 100
 162 102.2 83.1 124.7
 160 51.6 37.1 55.7



#14
 2,4,6-Tribromophenol
 Concen: 0.448 ng
 RT: 15.52 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: BE096943.D
 Acq: 16 Jul 2018 18:09

Tgt Ion:330 Resp: 617
 Ion Ratio Lower Upper
 330 100
 332 96.6 152.7 229.1#
 141 42.3 33.7 50.5

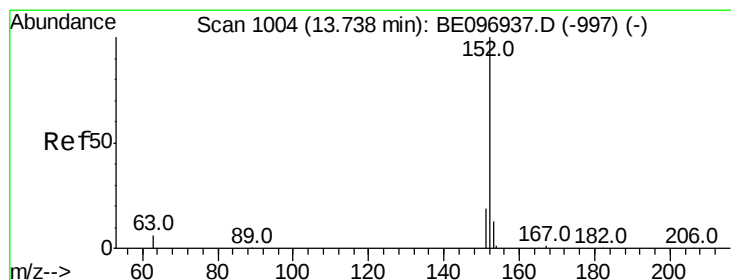
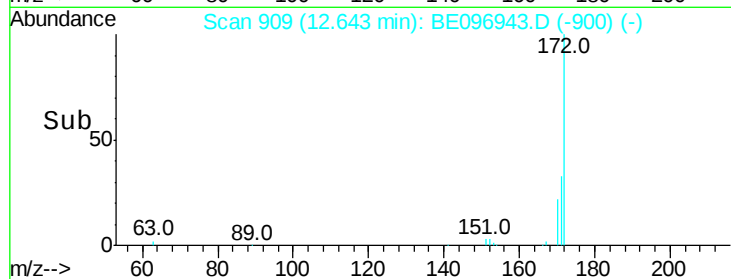
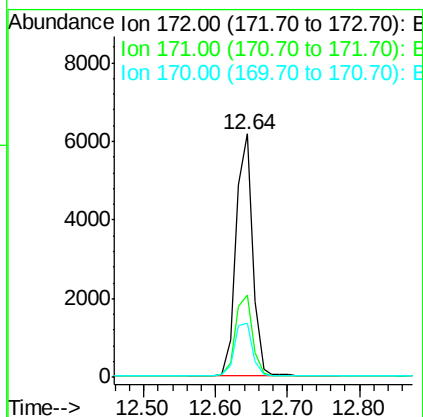
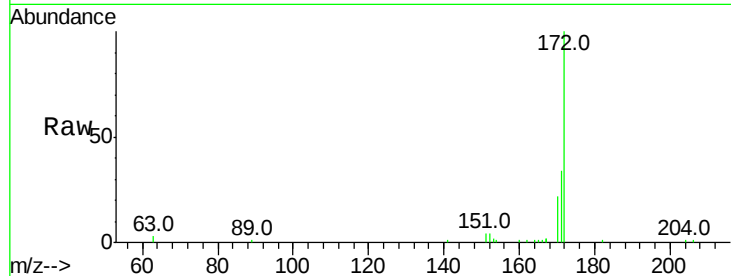




#15
2-Fluorobiphenyl
Concen: 0.424 ng
RT: 12.64 min Scan# 909
Delta R.T. -0.00 min
Lab File: BE096943.D
Acq: 16 Jul 2018 18:09

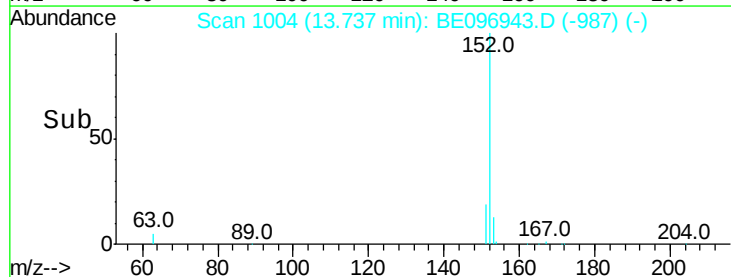
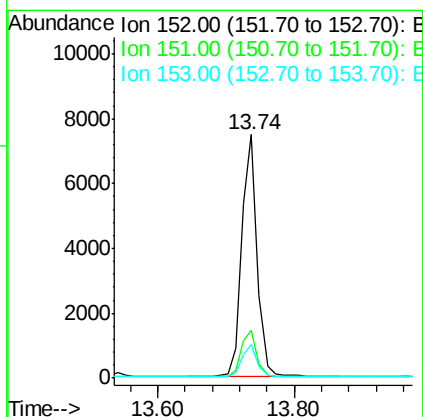
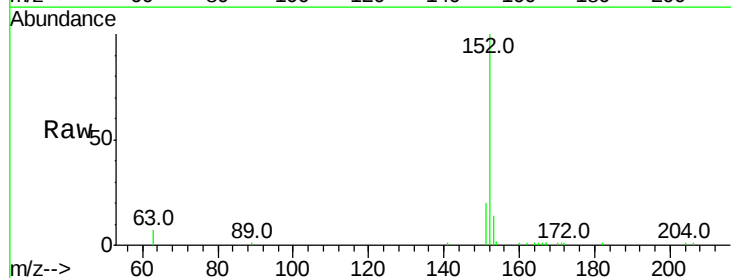
Instrument :
BNA_E
ClientSampleId :

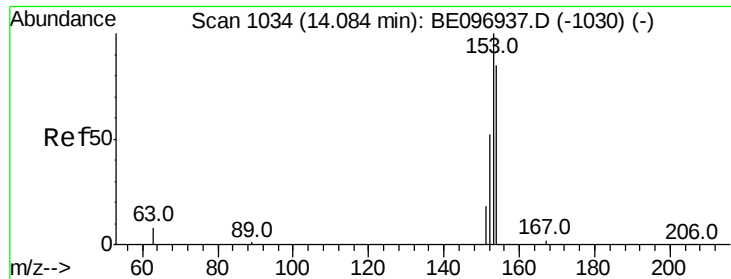
Tot Ion:172 Resp: 9771
Ion Ratio Lower Upper
172 100
171 33.6 29.9 44.9
170 22.4 21.8 32.8



#16
Acenaphthylene
Concen: 0.412 ng
RT: 13.74 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BE096943.D
Acq: 16 Jul 2018 18:09

Tgt Ion:152 Resp: 11663
Ion Ratio Lower Upper
152 100
151 19.4 15.7 23.5
153 13.3 10.5 15.7

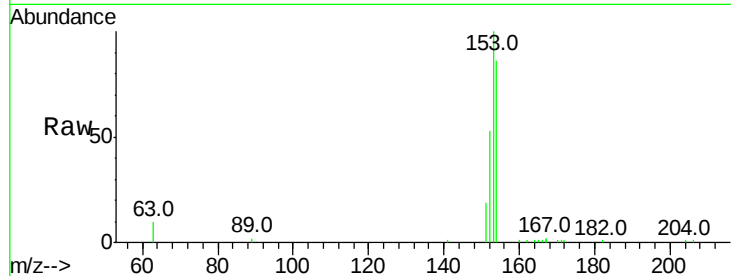




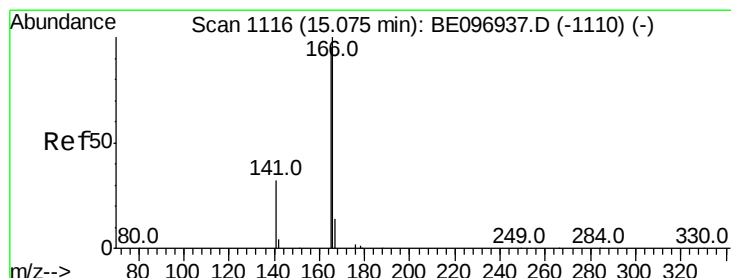
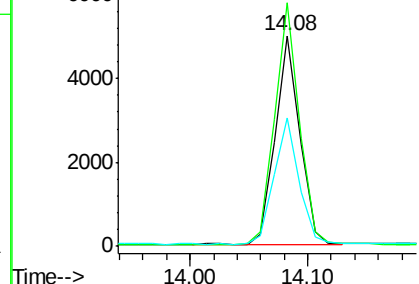
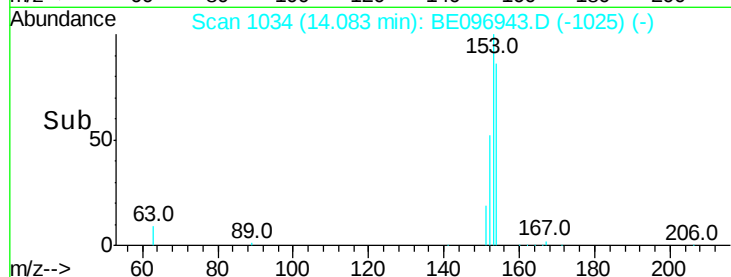
#17
Acenaphthene
Concen: 0.409 ng
RT: 14.08 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BE096943.D
Acq: 16 Jul 2018 18:09

Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 7196
Ion Ratio Lower Upper
154 100
153 114.8 89.2 133.8
152 61.5 42.0 63.0

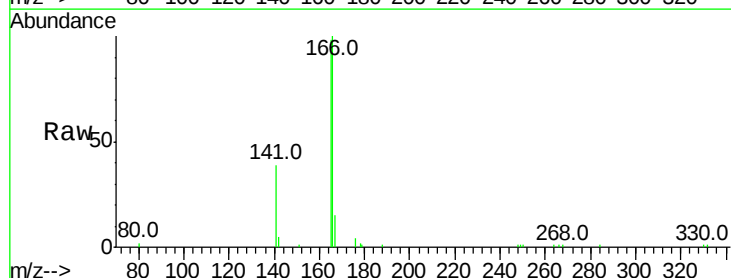


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

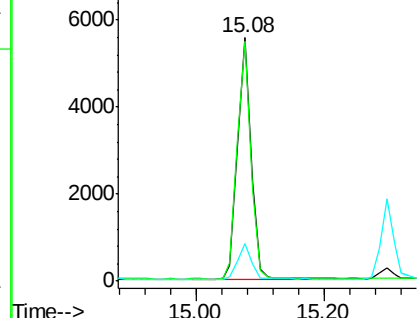
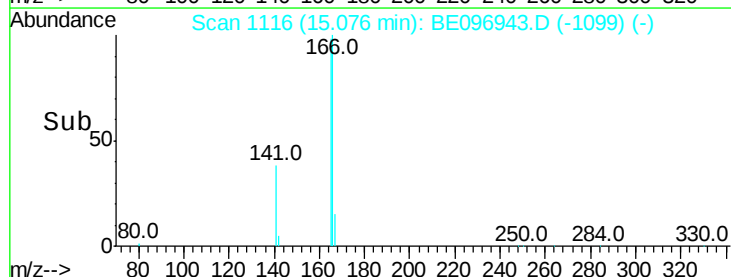


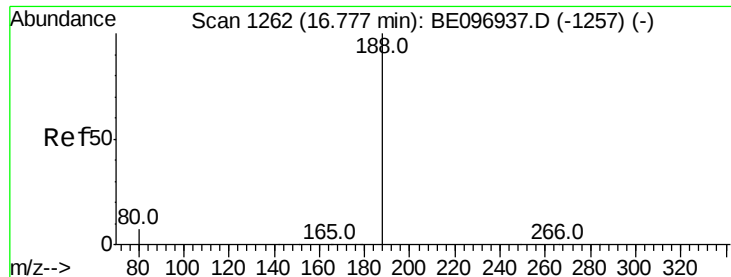
#18
Fluorene
Concen: 0.406 ng
RT: 15.08 min Scan# 1116
Delta R.T. 0.00 min
Lab File: BE096943.D
Acq: 16 Jul 2018 18:09

Tgt Ion:166 Resp: 8020
Ion Ratio Lower Upper
166 100
165 99.2 77.8 116.6
167 14.7 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. -0.01 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

Instrument :

BNA_E

ClientSampleId :

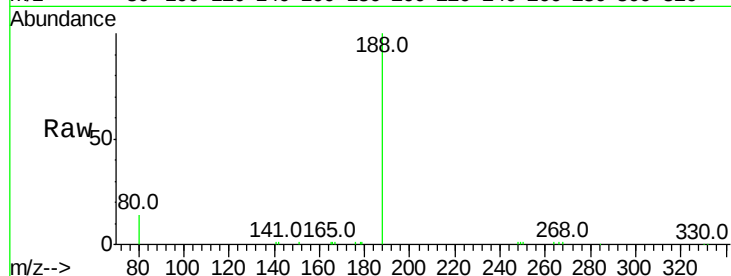
Tot Ion:188 Resp: 14658

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

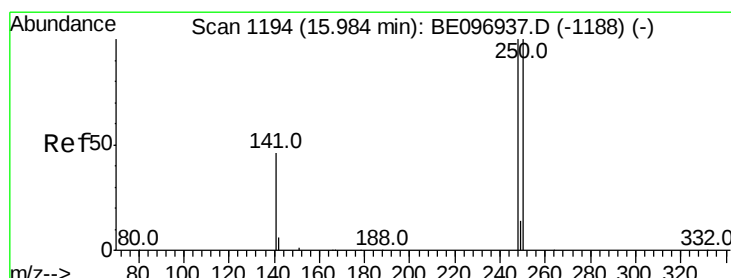
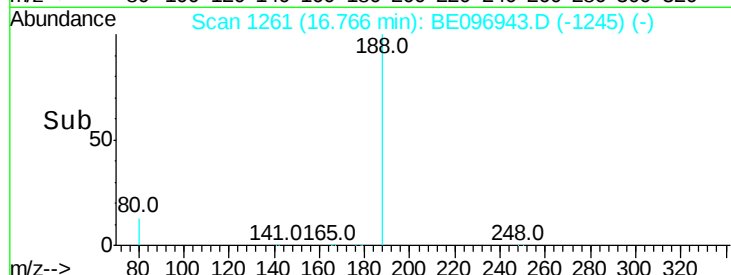
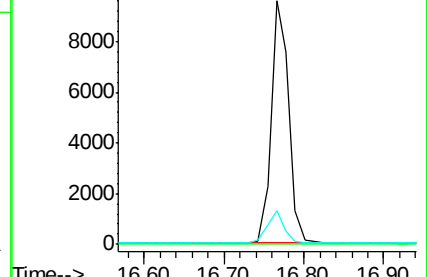
80 13.6 3.6 5.4#



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: 0.405 ng

RT: 15.97 min Scan# 1193

Delta R.T. -0.01 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

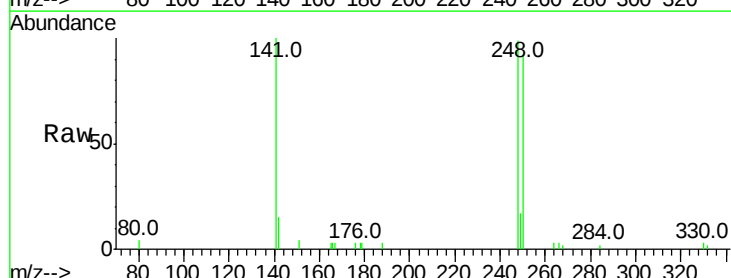
Tgt Ion:248 Resp: 2804

Ion Ratio Lower Upper

248 100

250 92.5 62.7 94.1

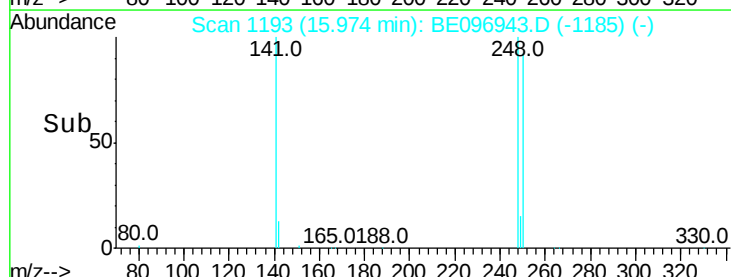
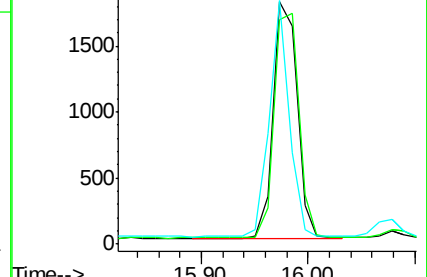
141 100.6 48.2 72.2#



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: 0.407 ng

RT: 16.08 min Scan# 1202

Delta R.T. -0.01 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

Instrument :

BNA_E

ClientSampleId :

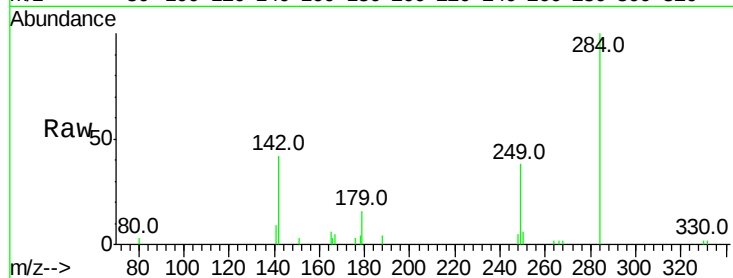
Tot Ion:284 Resp: 3131

Ion Ratio Lower Upper

284 100

142 38.5 22.1 33.1#

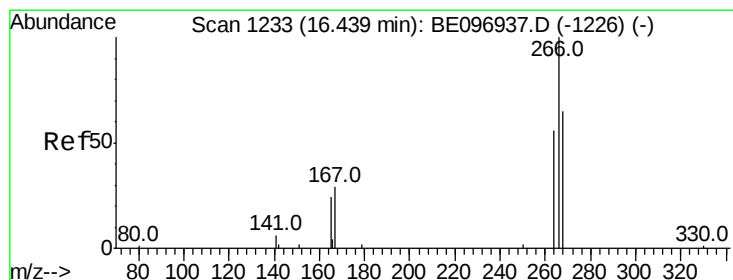
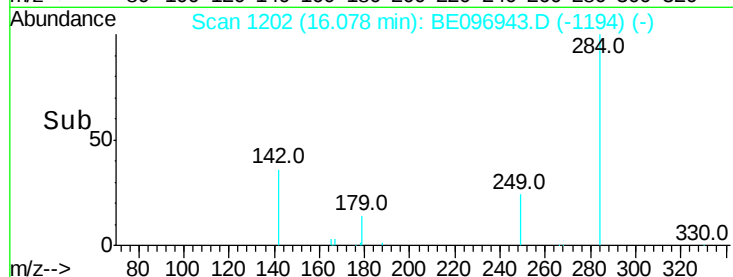
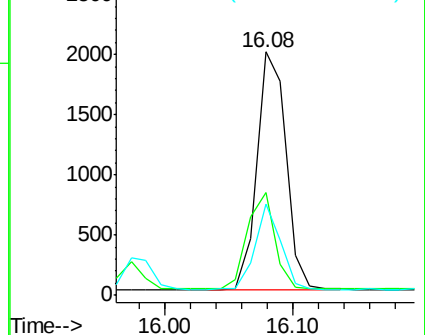
249 31.8 34.8 52.2#



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: 0.471 ng

RT: 16.43 min Scan# 1232

Delta R.T. -0.01 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

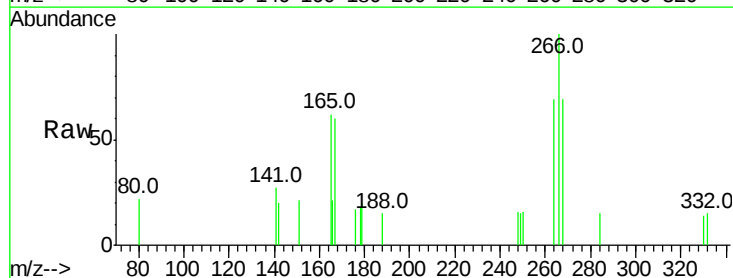
Tgt Ion:266 Resp: 532

Ion Ratio Lower Upper

266 100

264 68.8 72.5 108.7#

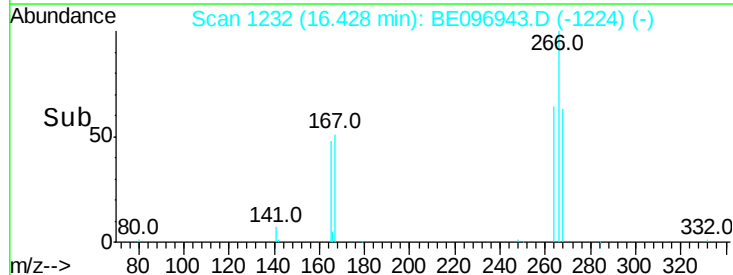
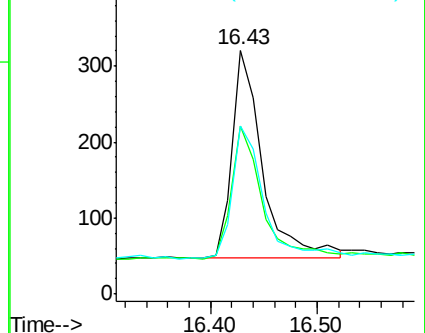
268 69.2 73.8 110.6#

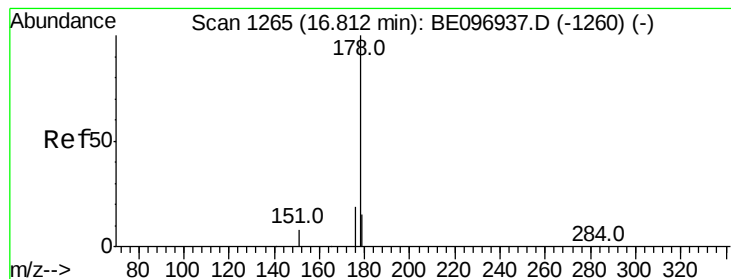


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.406 ng

RT: 16.81 min Scan# 1265

Delta R.T. 0.00 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

Instrument :

BNA_E

ClientSampleId :

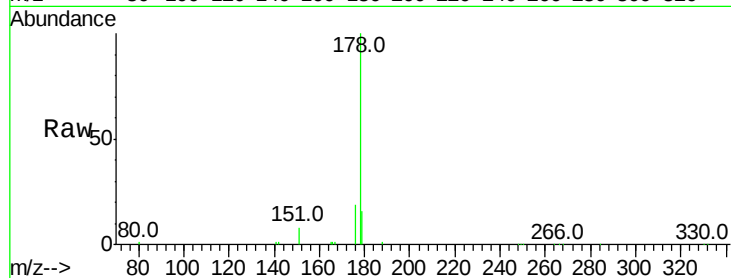
Tot Ion:178 Resp: 14259

Ion Ratio Lower Upper

178 100

176 19.5 15.1 22.7

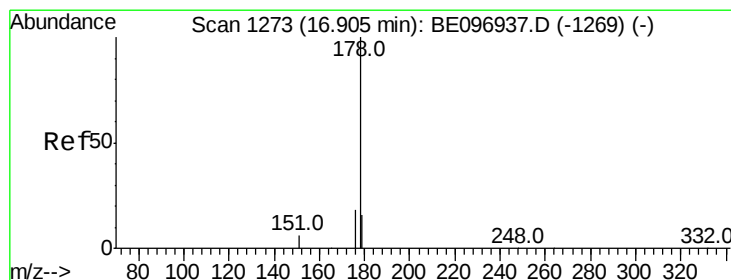
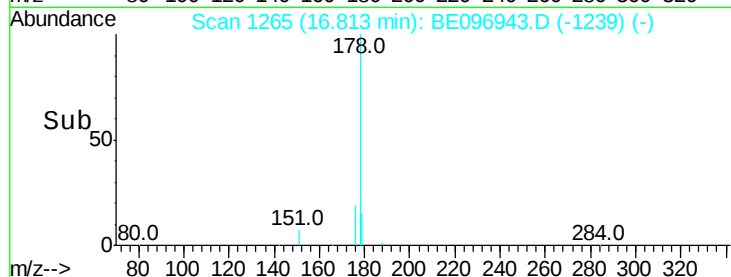
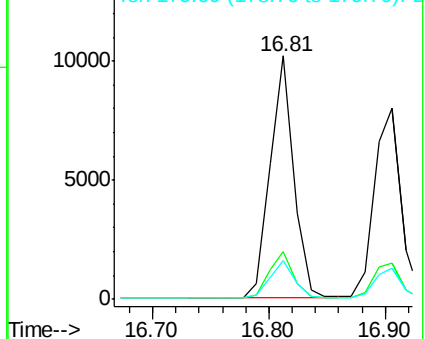
179 15.5 11.8 17.6



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: 0.413 ng

RT: 16.91 min Scan# 1273

Delta R.T. 0.00 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

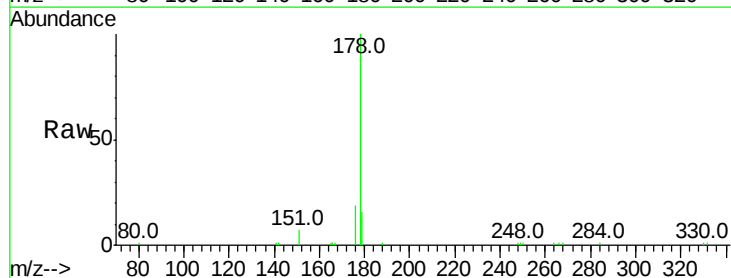
Tgt Ion:178 Resp: 12603

Ion Ratio Lower Upper

178 100

176 18.6 12.8 19.2

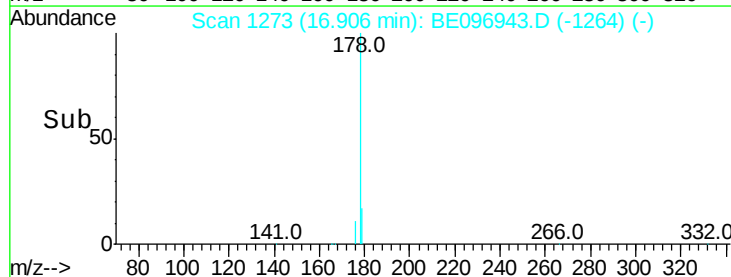
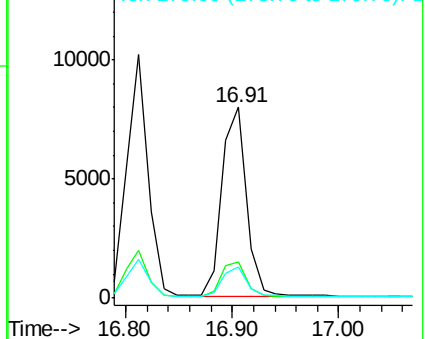
179 15.1 13.0 19.6

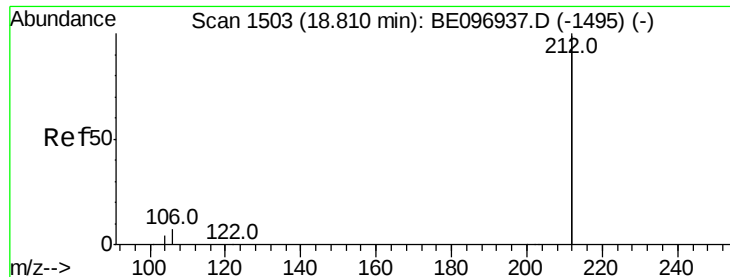


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

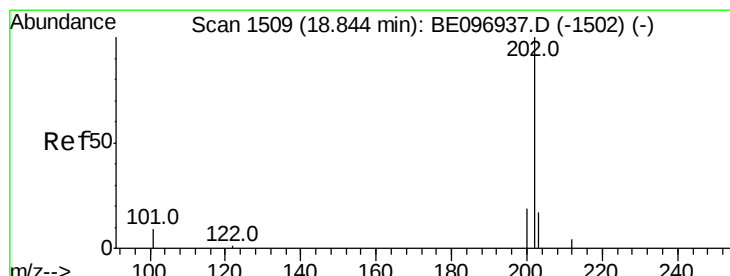
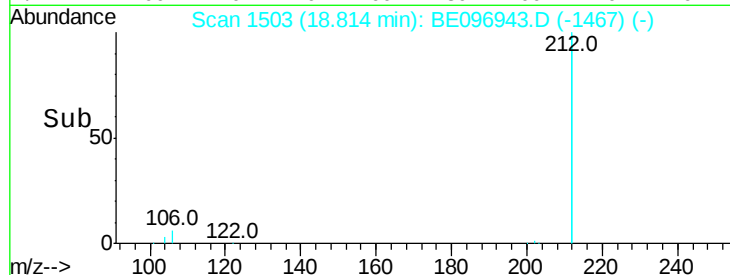
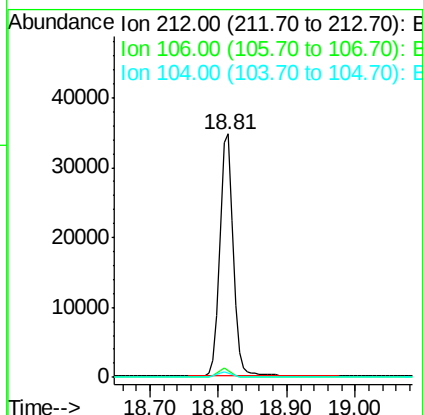
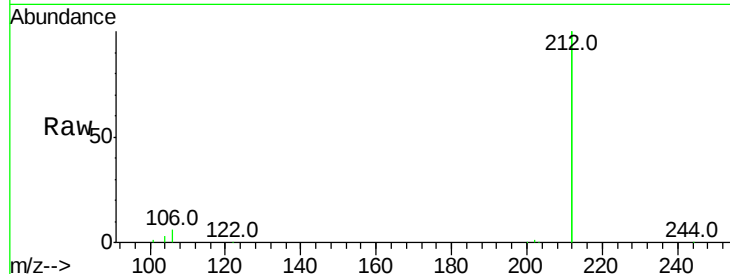




#25
 Fluoranthene-d10
 Concen: 0.381 ng
 RT: 18.81 min Scan# 1503
 Delta R.T. 0.00 min
 Lab File: BE096943.D
 Acq: 16 Jul 2018 18:09

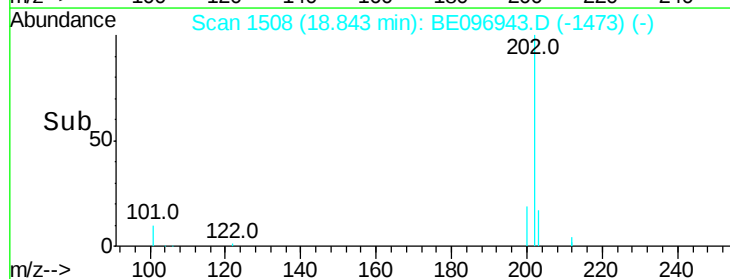
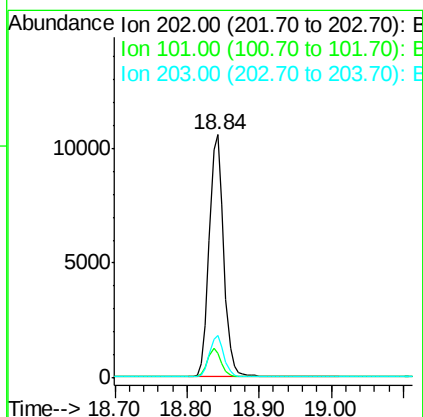
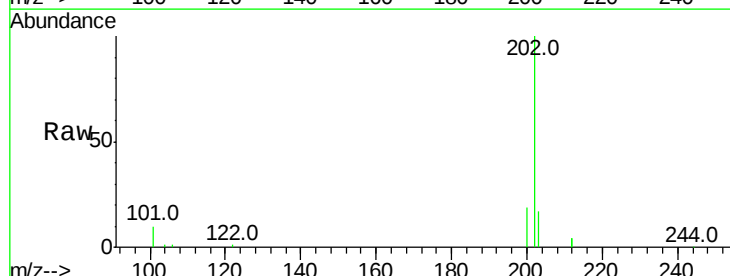
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:212 Resp: 48583
 Ion Ratio Lower Upper
 212 100
 106 3.4 2.8 4.2
 104 1.9 1.6 2.4



#26
 Fluoranthene
 Concen: 0.395 ng
 RT: 18.84 min Scan# 1508
 Delta R.T. -0.00 min
 Lab File: BE096943.D
 Acq: 16 Jul 2018 18:09

Tgt Ion:202 Resp: 14641
 Ion Ratio Lower Upper
 202 100
 101 11.1 9.8 14.8
 203 16.7 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: BE096943.D

Acq: 16 Jul 2018 18:09

Instrument :

BNA_E

ClientSampleId :

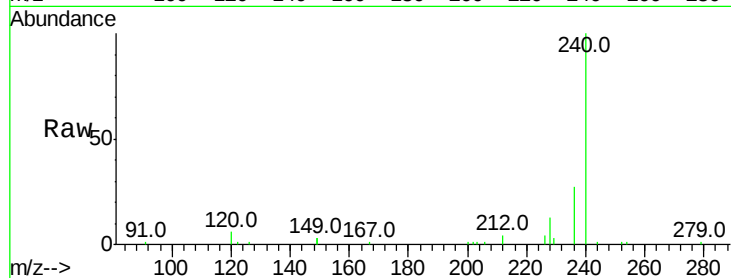
Tot Ion:240 Resp: 12422

Ion Ratio Lower Upper

240 100

120 5.6 5.5 8.3

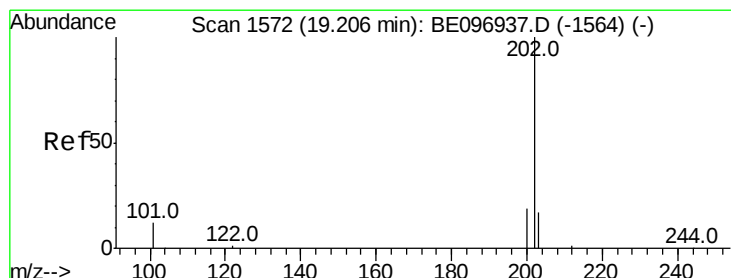
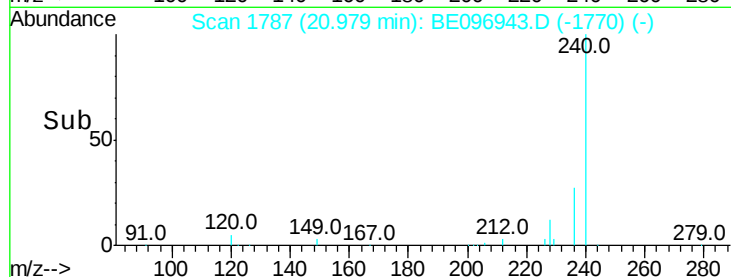
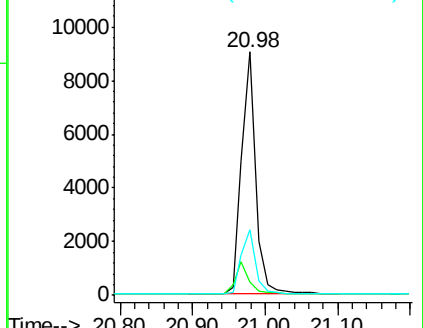
236 27.2 20.7 31.1



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: 0.402 ng

RT: 19.20 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

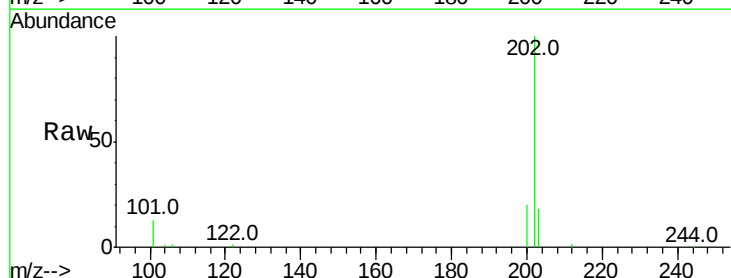
Tgt Ion:202 Resp: 14738

Ion Ratio Lower Upper

202 100

200 19.9 16.6 25.0

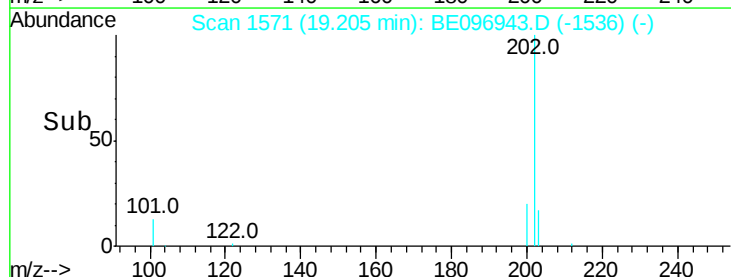
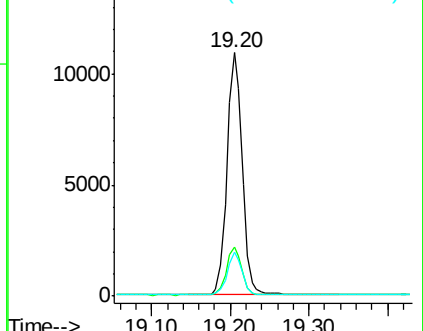
203 17.3 13.8 20.8

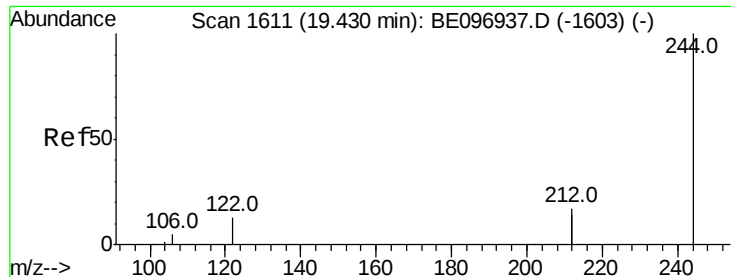


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

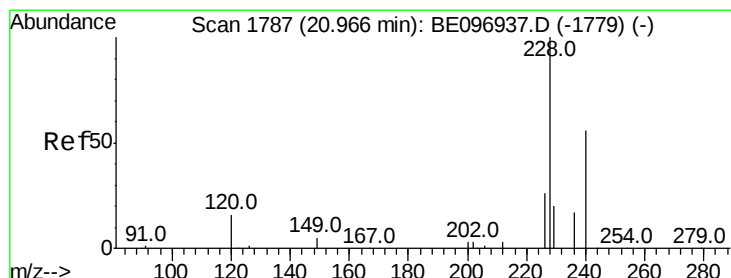
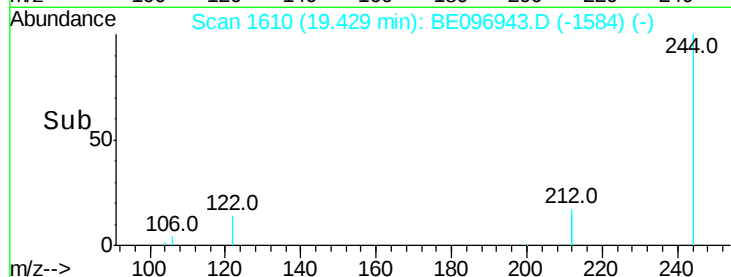
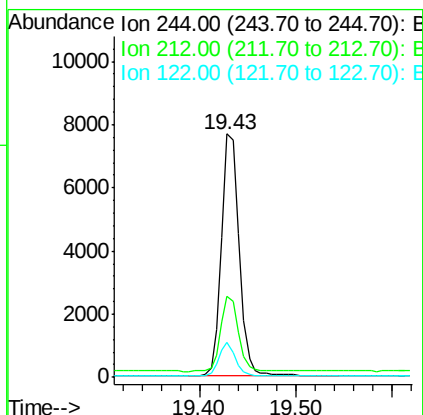
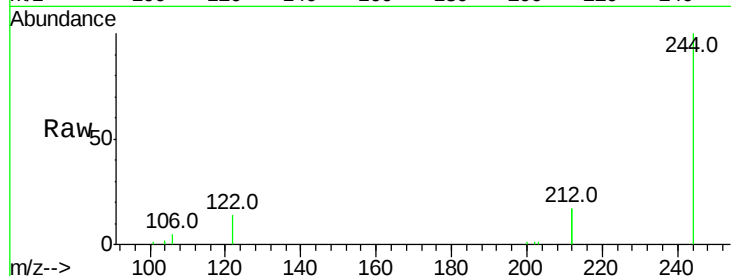




#29
 Terphenyl-d14
 Concen: 0.413 ng
 RT: 19.43 min Scan# 1610
 Delta R.T. -0.00 min
 Lab File: BE096943.D
 Acq: 16 Jul 2018 18:09

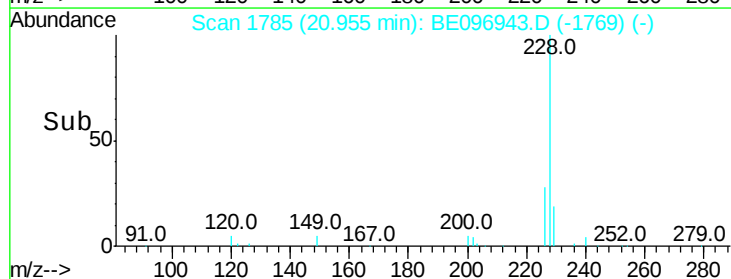
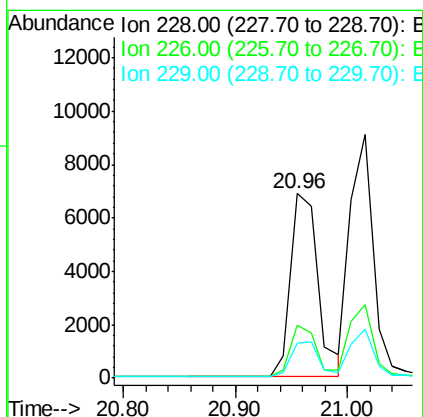
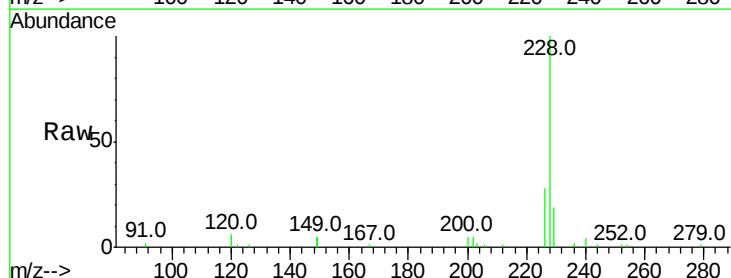
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:244 Resp: 9903
 Ion Ratio Lower Upper
 244 100
 212 33.4 25.4 38.0
 122 14.2 8.1 12.1#



#30
 Benzo(a)anthracene
 Concen: 0.394 ng
 RT: 20.96 min Scan# 1785
 Delta R.T. -0.01 min
 Lab File: BE096943.D
 Acq: 16 Jul 2018 18:09

Tgt Ion:228 Resp: 11640
 Ion Ratio Lower Upper
 228 100
 226 28.4 24.0 36.0
 229 19.3 16.0 24.0





#31

Chrysene

Concen: 0.394 ng

RT: 21.02 min Scan# 1790

Delta R.T. 0.00 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

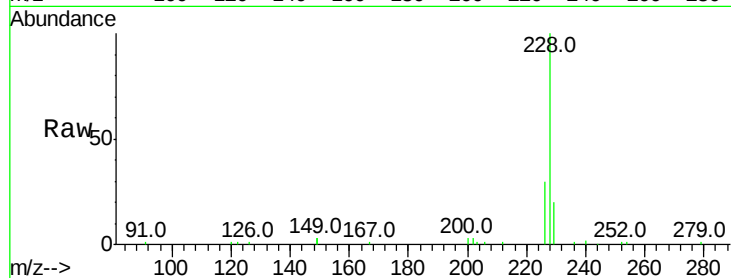
Instrument :

BNA_E

ClientSampleId :

Tot Ion:228 Resp: 13060

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.0	36.0
229	20.0	16.0	24.0

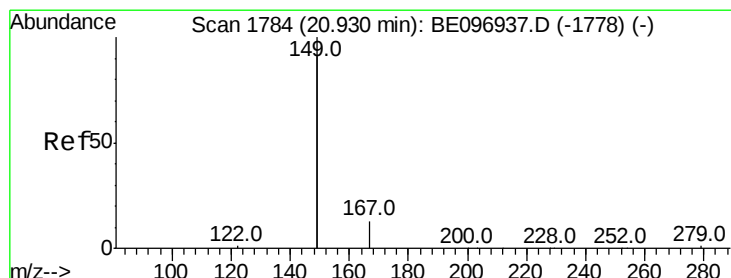
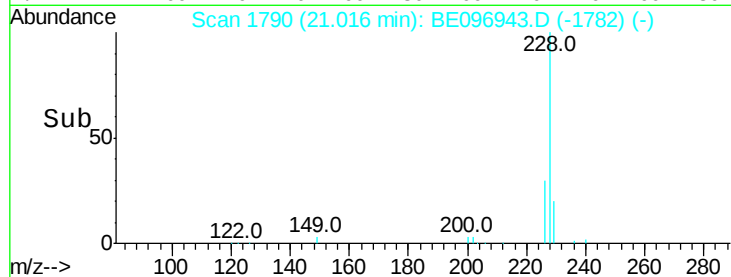
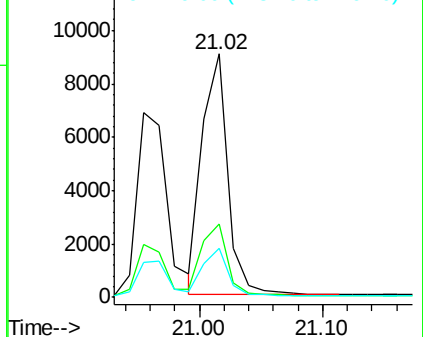


Abundance

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: 0.394 ng

RT: 20.93 min Scan# 1783

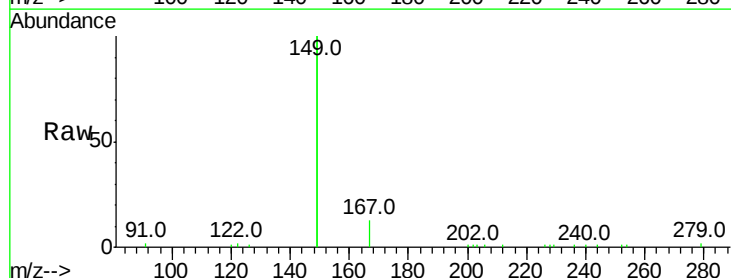
Delta R.T. 0.00 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

Tgt Ion:149 Resp: 11636

Ion	Ratio	Lower	Upper
149	100		
167	6.6	5.4	8.0
279	0.9	0.7	1.1

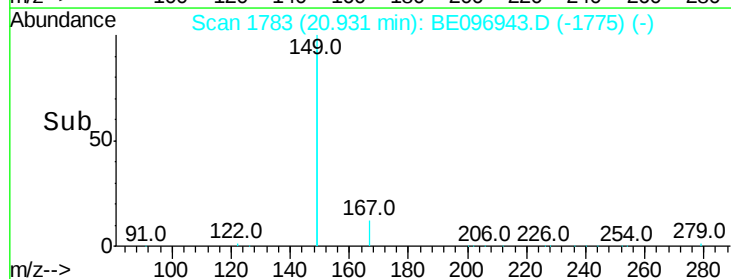
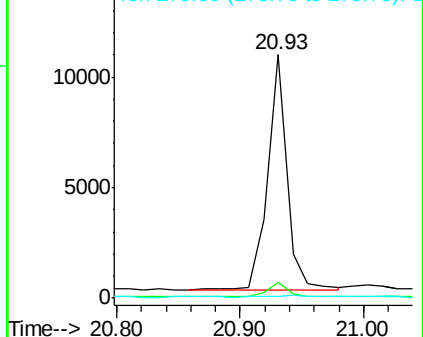


Abundance

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

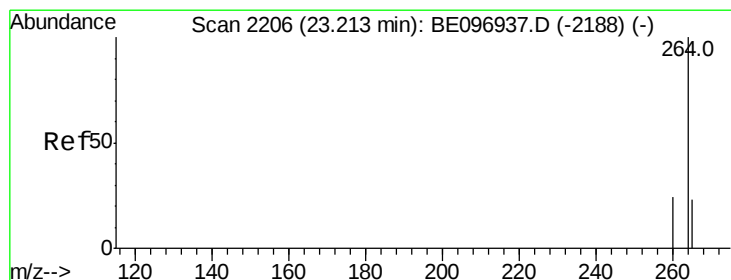
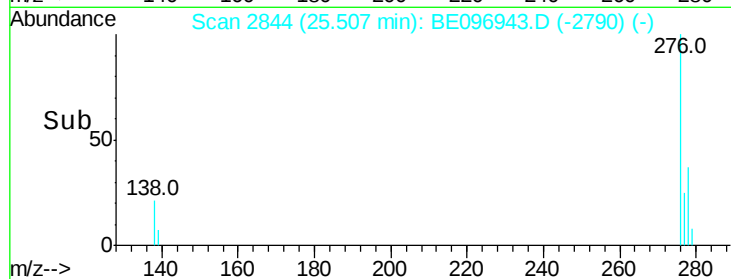
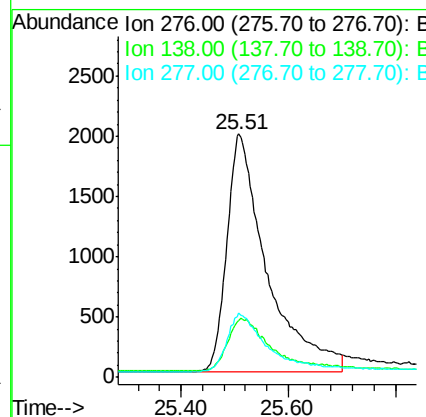
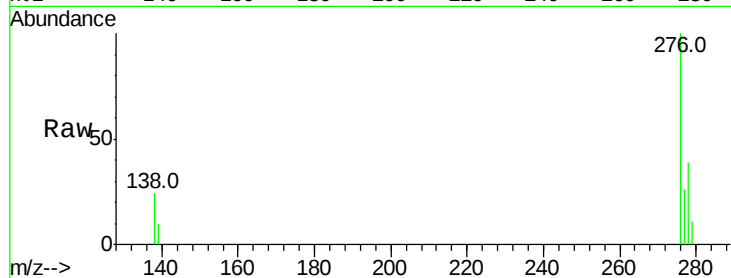




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.423 ng
 RT: 25.51 min Scan# 2844
 Delta R.T. -0.01 min
 Lab File: BE096943.D
 Acq: 16 Jul 2018 18:09

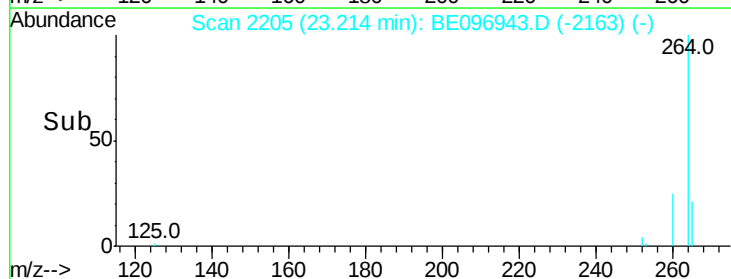
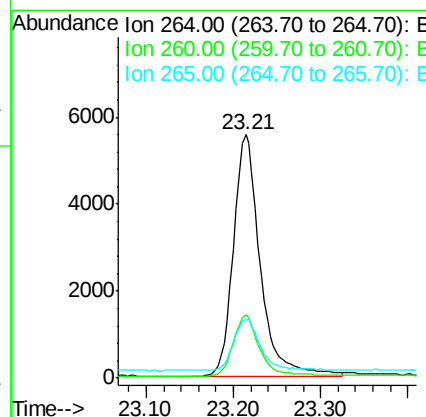
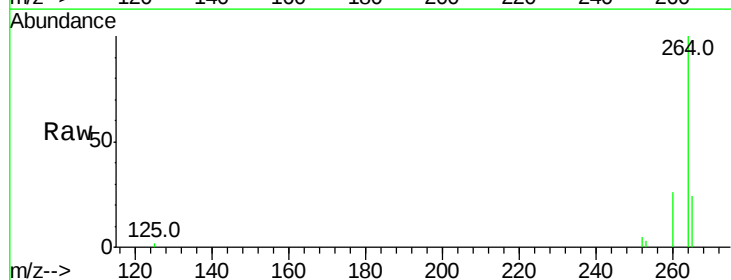
Instrument :
 BNA_E
 ClientSampleId :

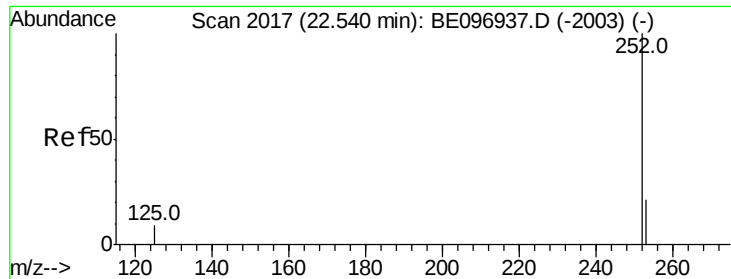
Tot Ion:276 Resp: 10221
 Ion Ratio Lower Upper
 276 100
 138 23.5 22.5 33.7
 277 24.4 19.9 29.9



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.21 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: BE096943.D
 Acq: 16 Jul 2018 18:09

Tgt Ion:264 Resp: 11823
 Ion Ratio Lower Upper
 264 100
 260 25.7 20.5 30.7
 265 24.1 22.8 34.2

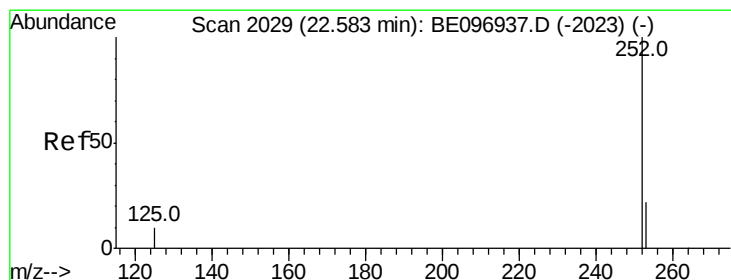
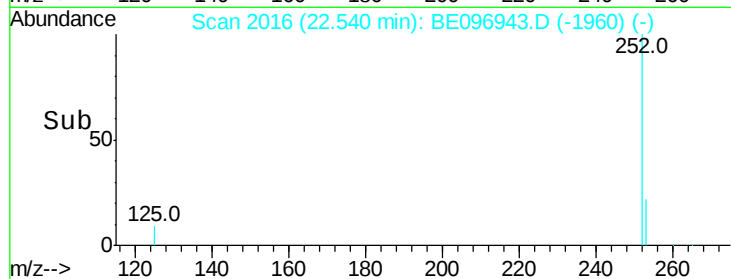
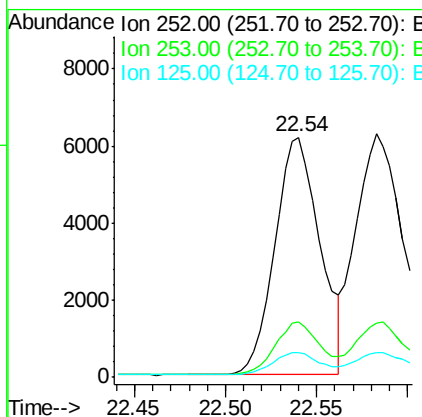
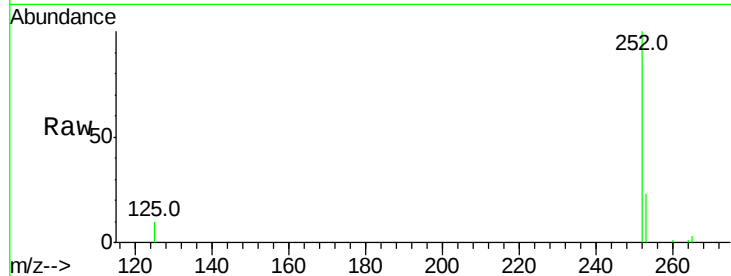




#35
Benzo(b)fluoranthene
Concen: 0.350 ng
RT: 22.54 min Scan# 2016
Delta R.T. 0.00 min
Lab File: BE096943.D
Acq: 16 Jul 2018 18:09

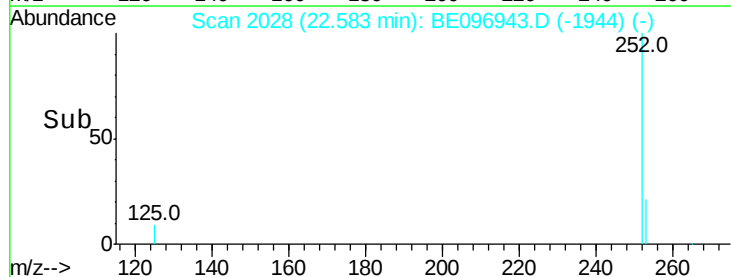
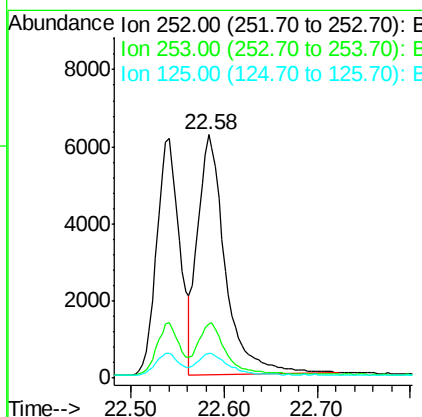
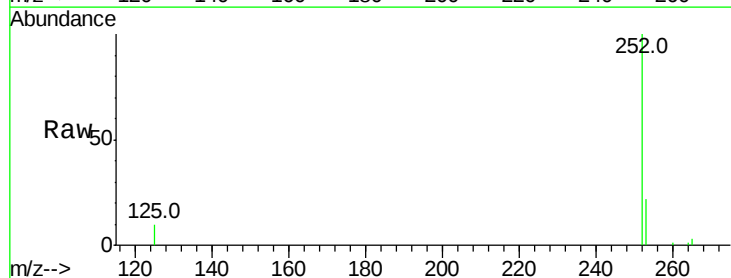
Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 10564
Ion Ratio Lower Upper
252 100
253 23.1 20.0 30.0
125 10.4 16.0 24.0#



#36
Benzo(k)fluoranthene
Concen: 0.355 ng
RT: 22.58 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BE096943.D
Acq: 16 Jul 2018 18:09

Tgt Ion:252 Resp: 12733
Ion Ratio Lower Upper
252 100
253 22.1 16.0 24.0
125 9.9 8.0 12.0





#37

Benzo(a)pyrene

Concen: 0.373 ng

RT: 23.11 min Scan# 2177

Delta R.T. -0.00 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

Instrument :

BNA_E

ClientSampled :

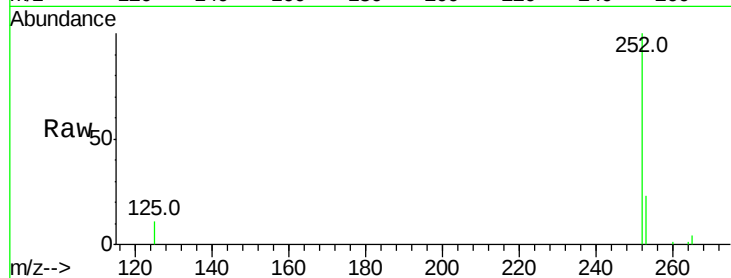
Tot Ion:252 Resp: 9328

Ion Ratio Lower Upper

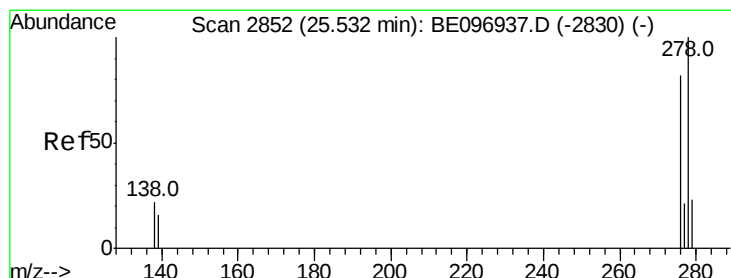
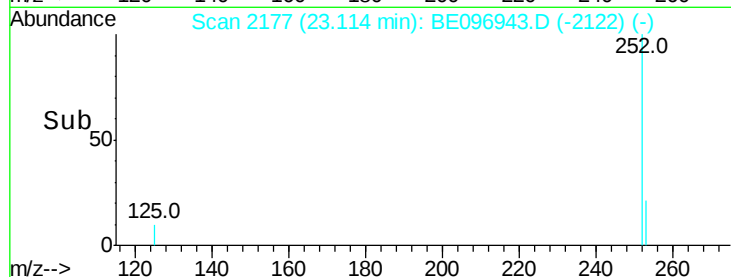
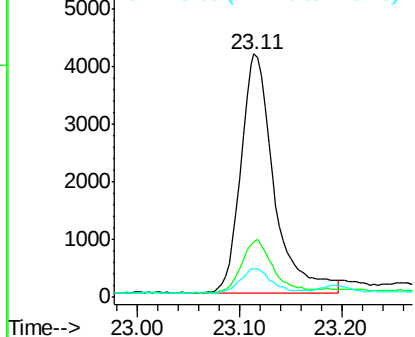
252 100

253 22.9 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: 0.405 ng

RT: 25.54 min Scan# 2853

Delta R.T. 0.01 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

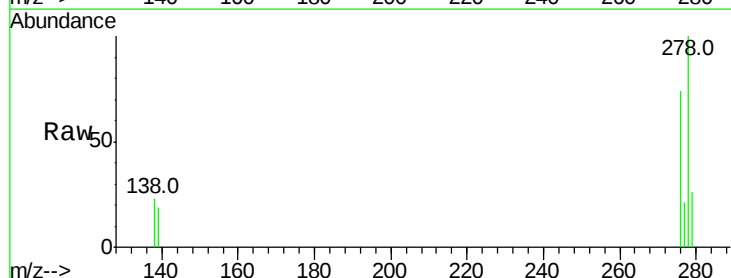
Tgt Ion:278 Resp: 8486

Ion Ratio Lower Upper

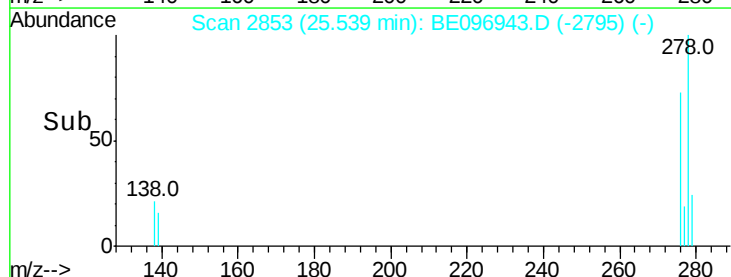
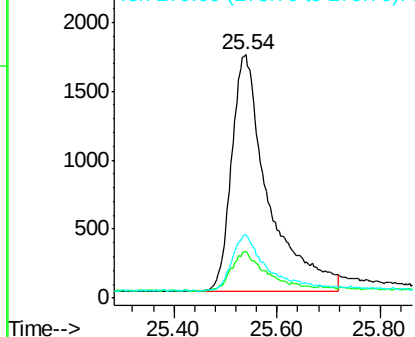
278 100

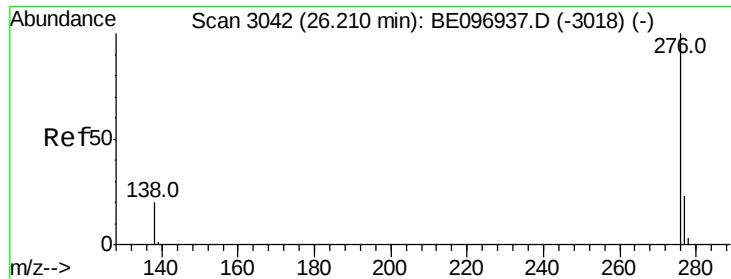
139 19.2 16.0 24.0

279 26.2 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: 0.371 ng

RT: 26.21 min Scan# 3040

Delta R.T. -0.00 min

Lab File: BE096943.D

Acq: 16 Jul 2018 18:09

Instrument :

BNA_E

ClientSampleId :

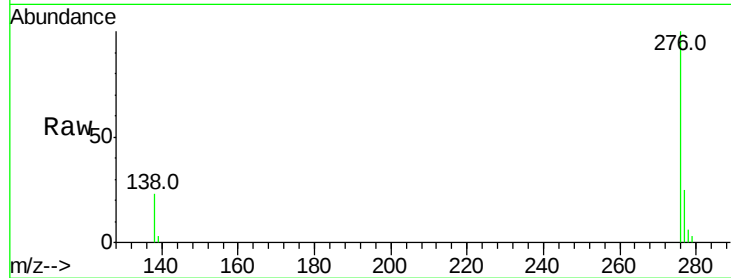
Tot Ion:276 Resp: 9094

Ion Ratio Lower Upper

276 100

277 24.6 16.0 24.0#

138 22.8 20.0 30.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

