

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071618\
 Data File : BE096950.D
 Acq On : 16 Jul 2018 22:41
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 17 16:43:24 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	2216	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	11943	0.40	ng	0.00
13) Acenaphthene-d10	14.03	164	6455	0.40	ng	0.00
19) Phenanthrene-d10	16.76	188	15007	0.40	ng	-0.01
27) Chrysene-d12	20.98	240	13535	0.40	ng	0.00
34) Perylene-d12	23.22	264	13577	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	2279	0.43	ng	0.00
5) Phenol-d6	6.59	99	3595	0.44	ng	0.00
8) Nitrobenzene-d5	8.53	82	3690	0.42	ng	0.00
11) 2-Methylnaphthalene-d10	11.74	152	6950	0.40	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	728	0.50	ng	0.00
15) 2-Fluorobiphenyl	12.64	172	10201	0.42	ng	0.00
25) Fluoranthene-d10	18.81	212	52311	0.40	ng	0.00
29) Terphenyl-d14	19.43	244	10723	0.41	ng	0.00

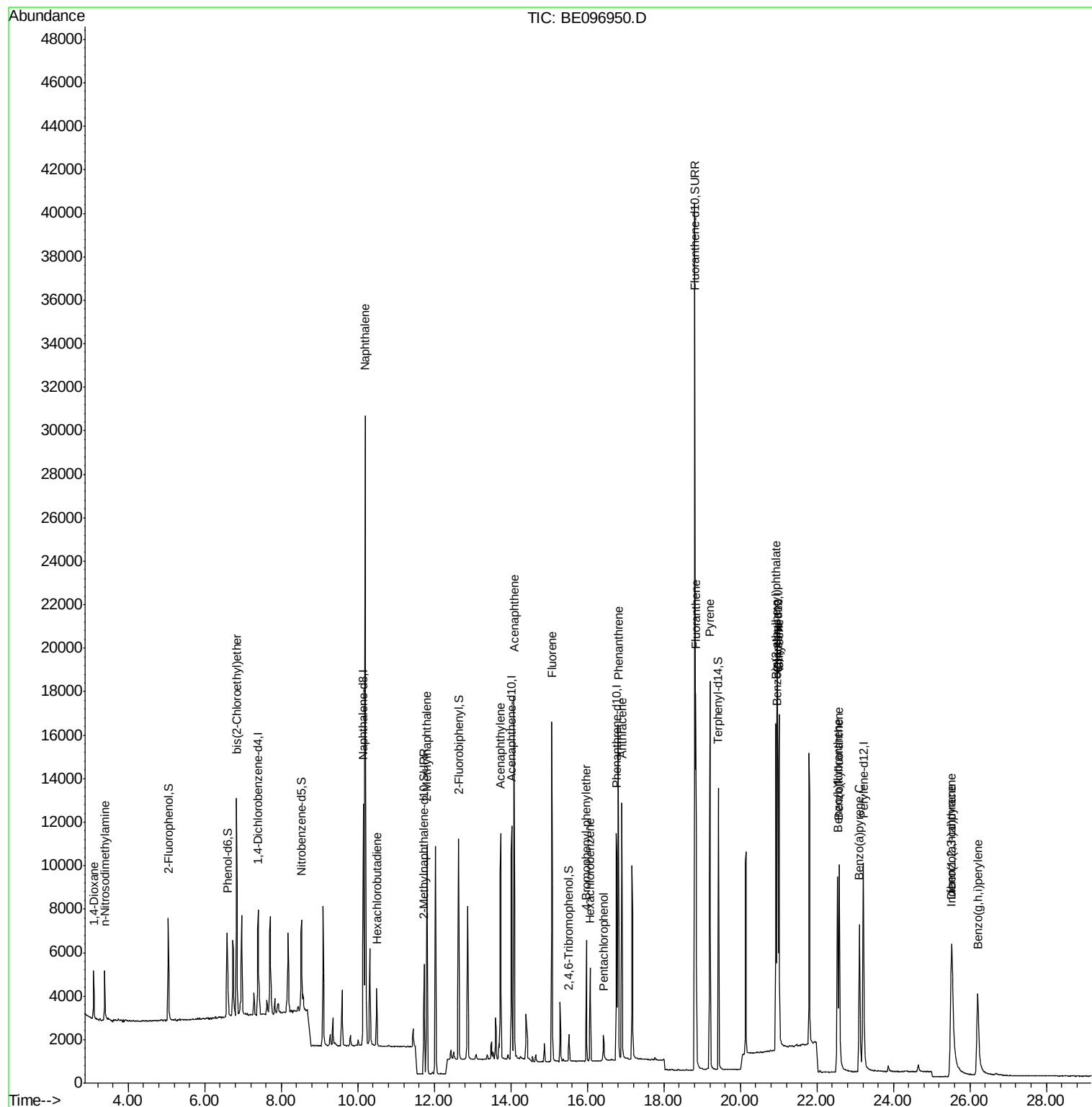
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.09	88	1203	0.379	ng	# 89
3) n-Nitrosodimethylamine	3.38	42	1428	0.400	ng	94
6) bis(2-Chloroethyl)ether	6.84	93	3184	0.401	ng	94
9) Naphthalene	10.20	128	43459	0.407	ng	100
10) Hexachlorobutadiene	10.50	225	1710	0.396	ng	98
12) 2-Methylnaphthalene	11.81	142	7446	0.411	ng	99
16) Acenaphthylene	13.74	152	12088	0.410	ng	100
17) Acenaphthene	14.08	154	7671	0.419	ng	94
18) Fluorene	15.07	166	8401	0.408	ng	# 81
20) 4-Bromophenyl-phenylether	15.98	248	2902	0.409	ng	# 76
21) Hexachlorobenzene	16.08	284	3274	0.415	ng	# 79
22) Pentachlorophenol	16.43	266	681	0.564	ng	# 77
23) Phenanthrene	16.81	178	14871	0.414	ng	99
24) Anthracene	16.90	178	12835	0.410	ng	96
26) Fluoranthene	18.84	202	15781	0.416	ng	99
28) Pyrene	19.21	202	16094	0.403	ng	99
30) Benzo(a)anthracene	20.95	228	13264	0.412	ng	98
31) Chrysene	21.02	228	14148	0.391	ng	99
32) Bis(2-ethylhexyl)phthalate	20.93	149	15286	0.475	ng	100
33) Indeno(1,2,3-cd)pyrene	25.51	276	12079	0.459	ng	96
35) Benzo(b)fluoranthene	22.54	252	11969	0.345	ng	# 88
36) Benzo(k)fluoranthene	22.58	252	14786	0.359	ng	96
37) Benzo(a)pyrene	23.11	252	11140	0.384	ng	93
38) Dibenzo(a,h)anthracene	25.53	278	10249	0.420	ng	97
39) Benzo(g,h,i)perylene	26.20	276	10559	0.375	ng	93

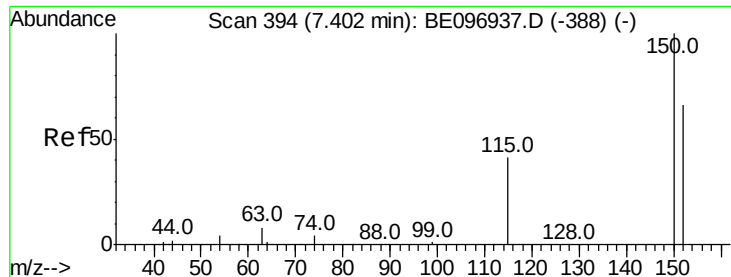
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE096950.D

Acq: 16 Jul 2018 22:41

Instrument :

BNA_E

ClientSampleId :

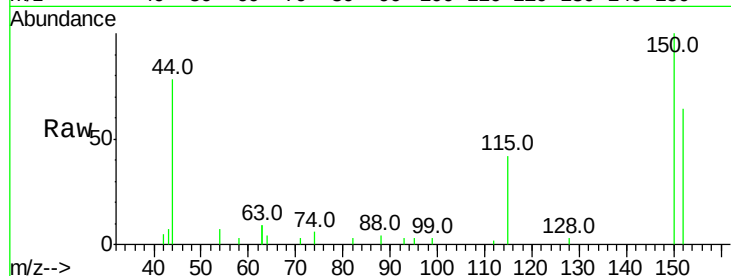
Tot Ion:152 Resp: 2216

Ion Ratio Lower Upper

152 100

150 155.3 117.2 175.8

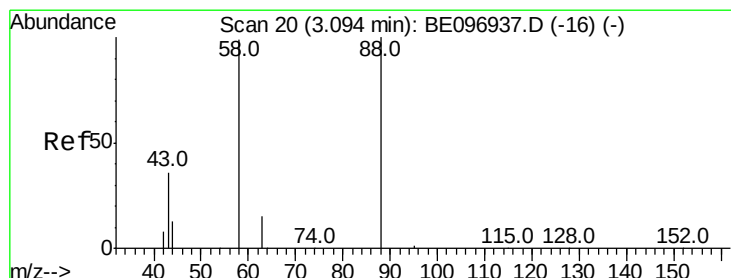
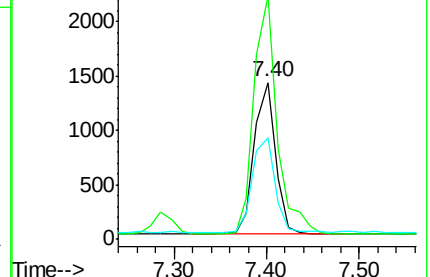
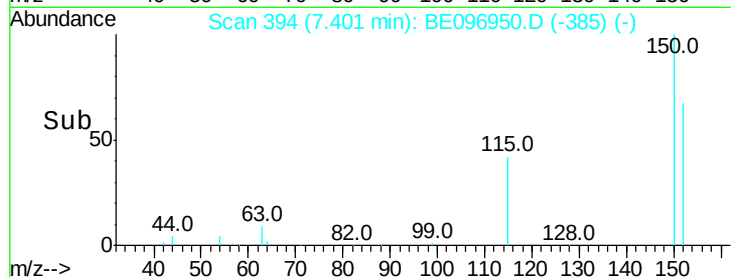
115 65.0 57.0 85.6



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: 0.379 ng

RT: 3.09 min Scan# 20

Delta R.T. -0.00 min

Lab File: BE096950.D

Acq: 16 Jul 2018 22:41

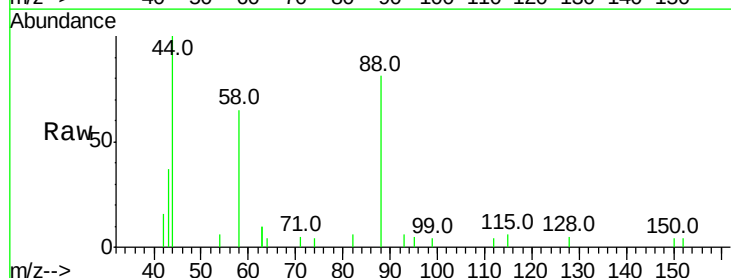
Tgt Ion: 88 Resp: 1203

Ion Ratio Lower Upper

88 100

58 83.4 63.2 94.8

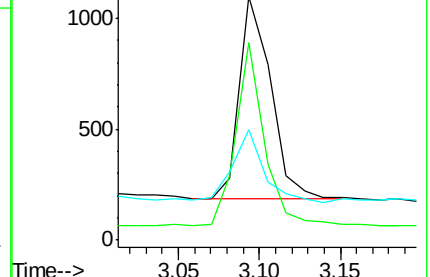
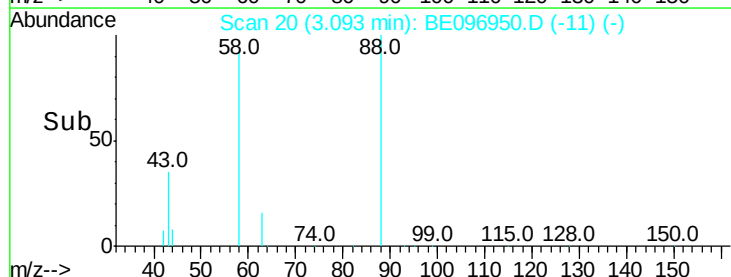
43 36.6 41.2 61.8#

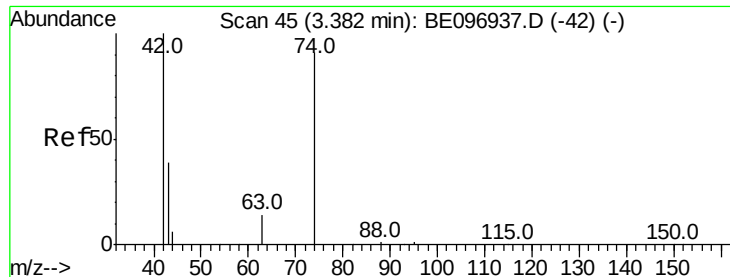


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



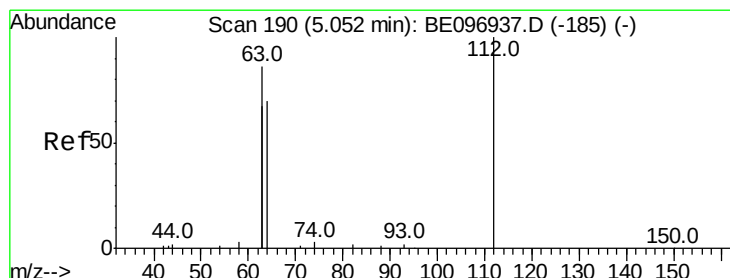
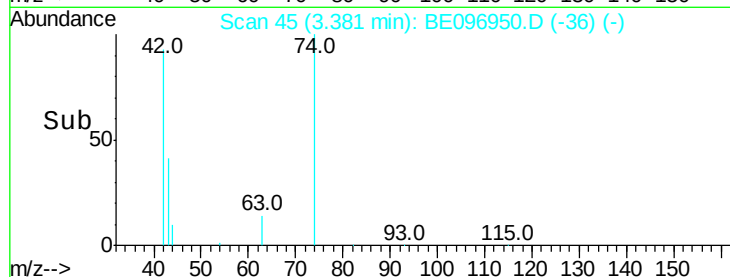
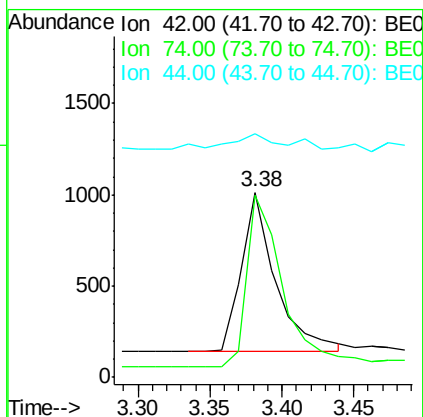
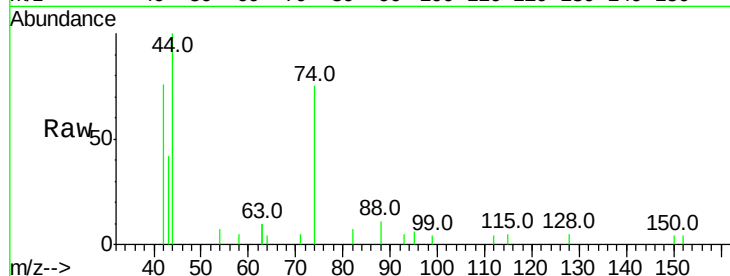


#3

n-Nitrosodimethylamine
Concen: 0.400 ng
RT: 3.38 min Scan# 45
Delta R.T. -0.00 min
Lab File: BE096950.D
Acq: 16 Jul 2018 22:41

Instrument :
BNA_E
ClientSampleId :

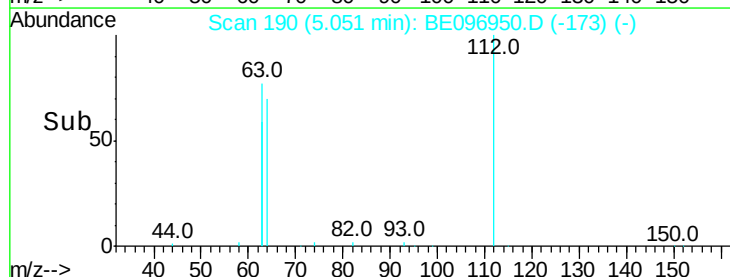
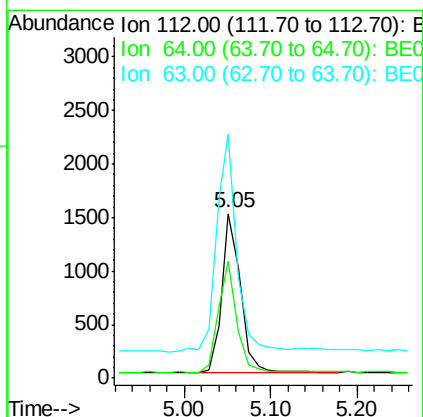
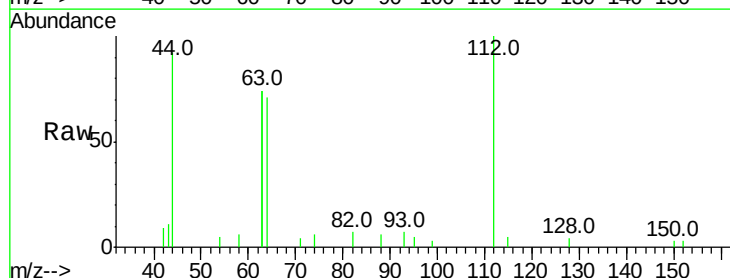
Tot Ion: 42 Resp: 1428
Ion Ratio Lower Upper
42 100
74 113.2 96.0 144.0
44 16.2 12.0 18.0

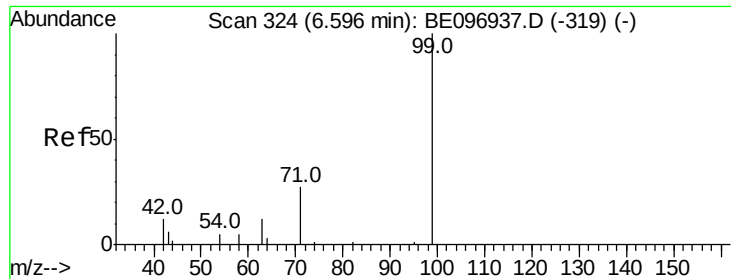


#4

2-Fluorophenol
Concen: 0.430 ng
RT: 5.05 min Scan# 190
Delta R.T. -0.00 min
Lab File: BE096950.D
Acq: 16 Jul 2018 22:41

Tgt Ion: 112 Resp: 2279
Ion Ratio Lower Upper
112 100
64 70.4 60.1 90.1
63 145.6 116.8 175.2





#5

Phenol-d6

Concen: 0.444 ng

RT: 6.59 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE096950.D

Acq: 16 Jul 2018 22:41

Instrument :

BNA_E

ClientSampleId :

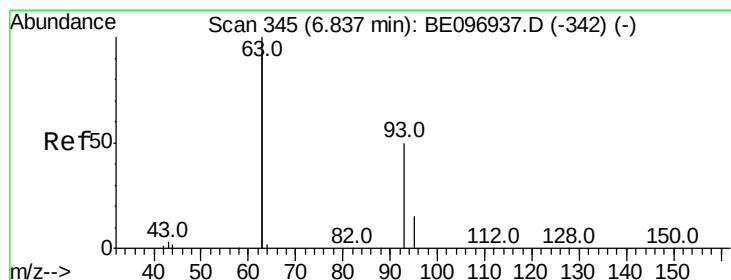
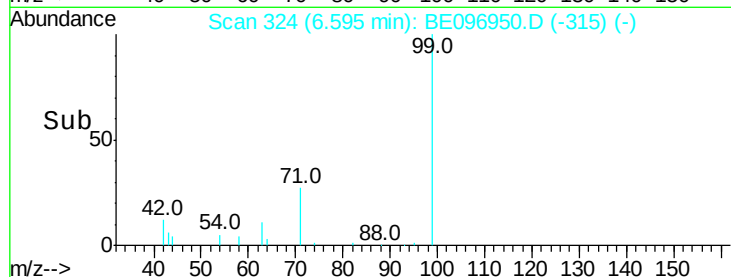
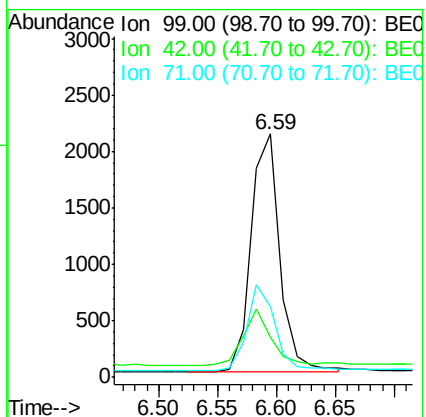
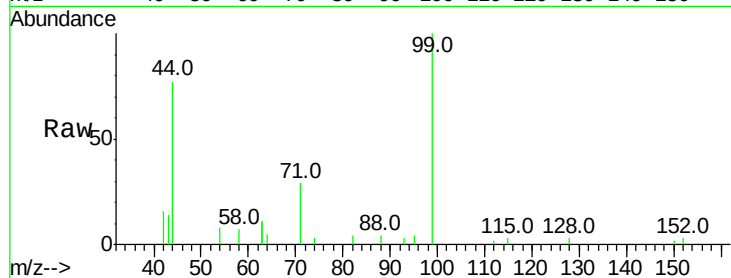
Tot Ion: 99 Resp: 3595

Ion Ratio Lower Upper

99 100

42 23.1 20.2 30.2

71 34.9 28.4 42.6



#6

bis(2-Chloroethyl)ether

Concen: 0.401 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE096950.D

Acq: 16 Jul 2018 22:41

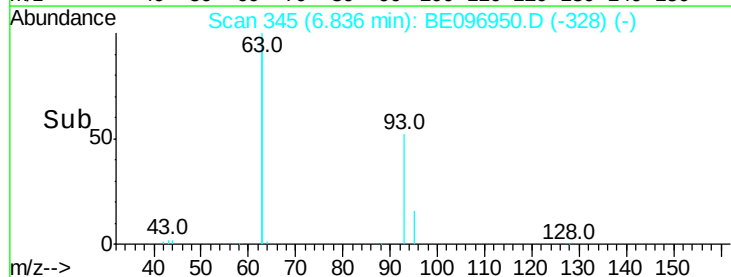
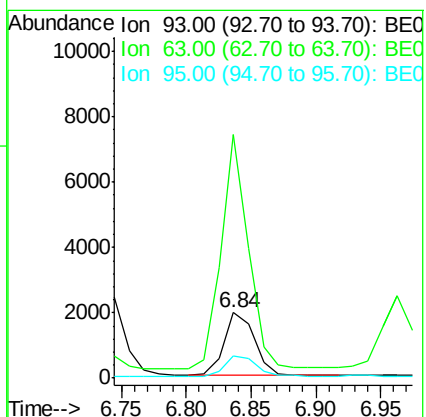
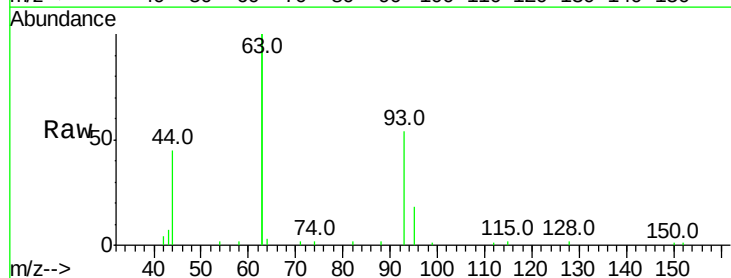
Tgt Ion: 93 Resp: 3184

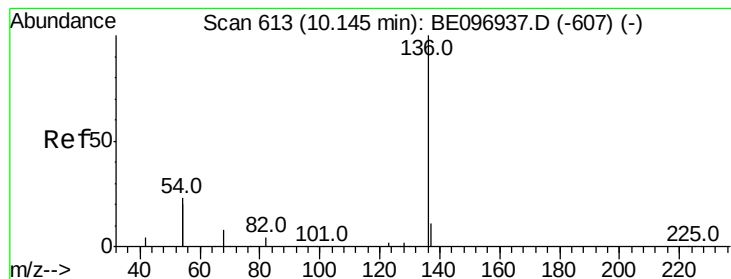
Ion Ratio Lower Upper

93 100

63 330.0 275.3 412.9

95 32.9 25.2 37.8





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. -0.00 min

Lab File: BE096950.D

Acq: 16 Jul 2018 22:41

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 11943

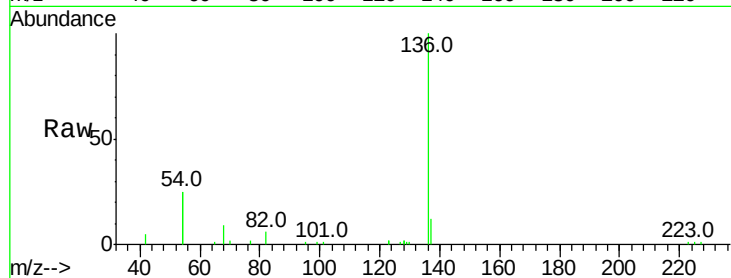
Ion Ratio Lower Upper

136 100

137 11.8 9.5 14.3

54 49.2 29.1 43.7#

68 9.4 6.2 9.2#

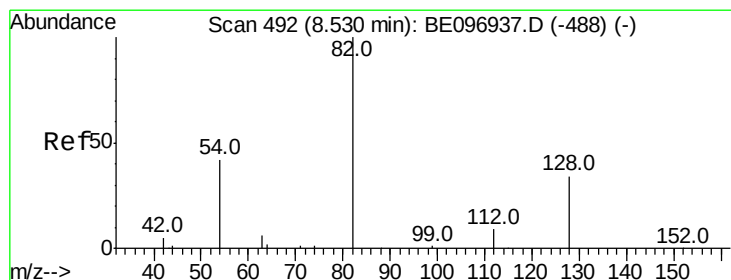
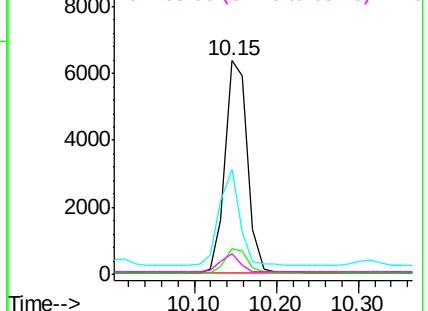
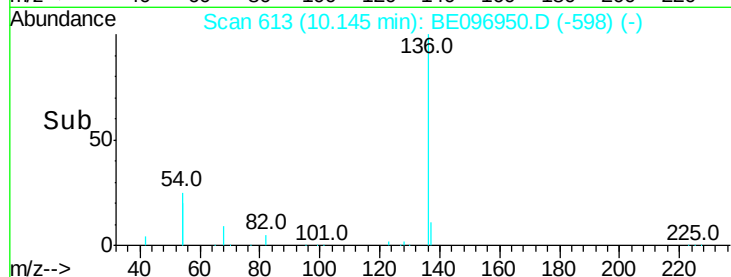


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.424 ng

RT: 8.53 min Scan# 492

Delta R.T. -0.00 min

Lab File: BE096950.D

Acq: 16 Jul 2018 22:41

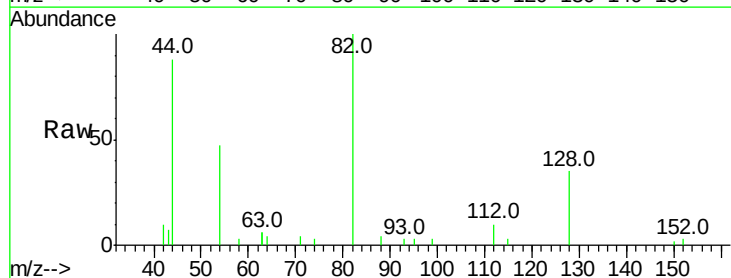
Tgt Ion: 82 Resp: 3690

Ion Ratio Lower Upper

82 100

128 35.4 24.0 36.0

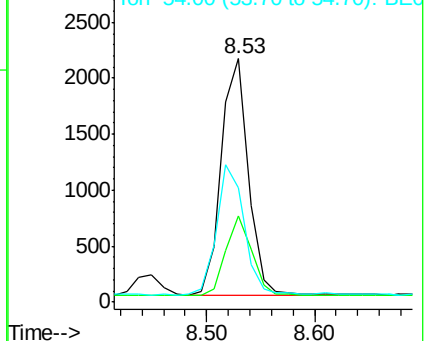
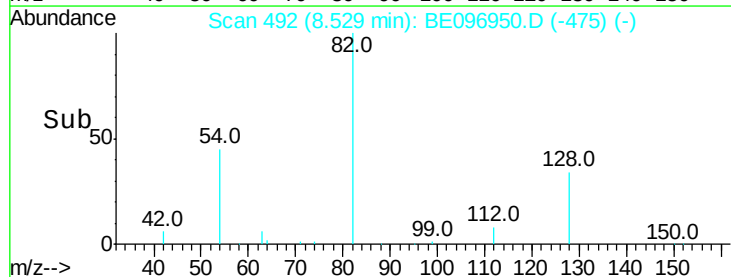
54 47.2 40.0 60.0

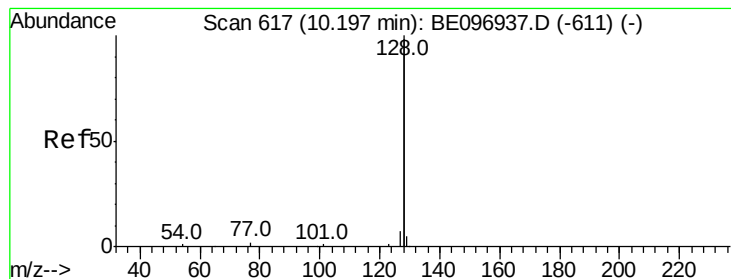


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.407 ng

RT: 10.20 min Scan# 617

Delta R.T. -0.00 min

Lab File: BE096950.D

Acq: 16 Jul 2018 22:41

Instrument :

BNA_E

ClientSampleId :

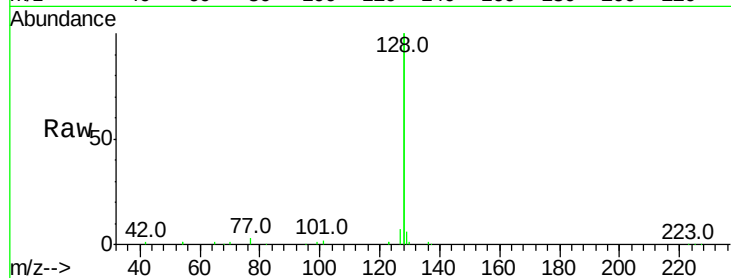
Tot Ion:128 Resp: 43459

Ion Ratio Lower Upper

128 100

129 2.9 2.6 3.8

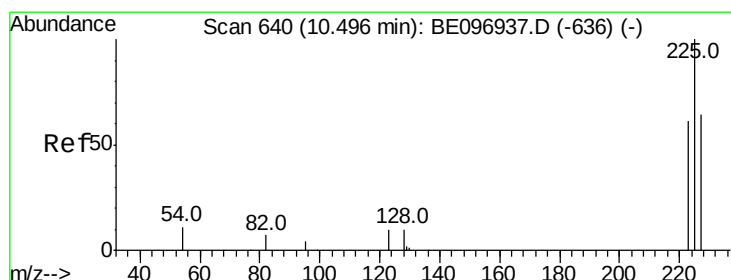
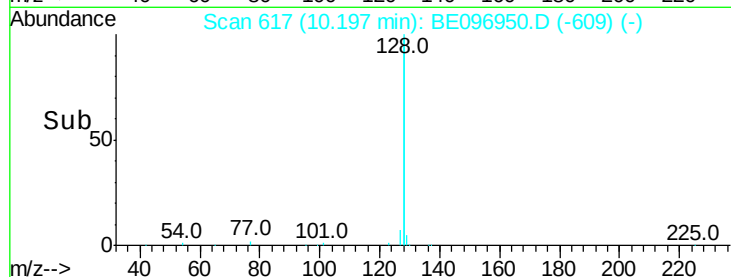
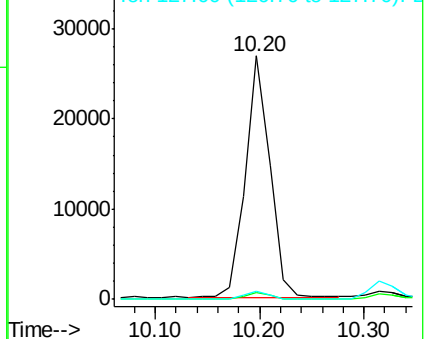
127 3.5 2.8 4.2



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: 0.396 ng

RT: 10.50 min Scan# 640

Delta R.T. -0.00 min

Lab File: BE096950.D

Acq: 16 Jul 2018 22:41

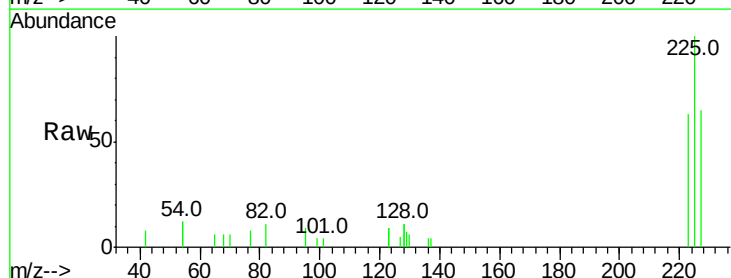
Tgt Ion:225 Resp: 1710

Ion Ratio Lower Upper

225 100

223 64.0 53.0 79.6

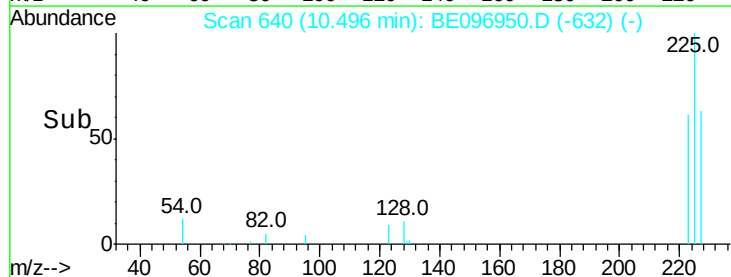
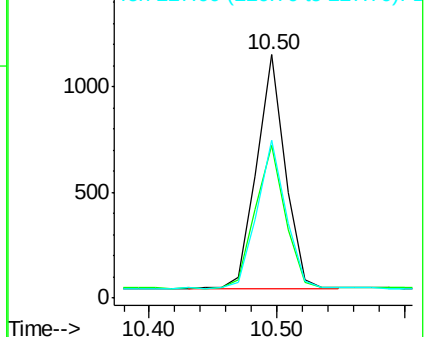
227 63.7 51.4 77.2

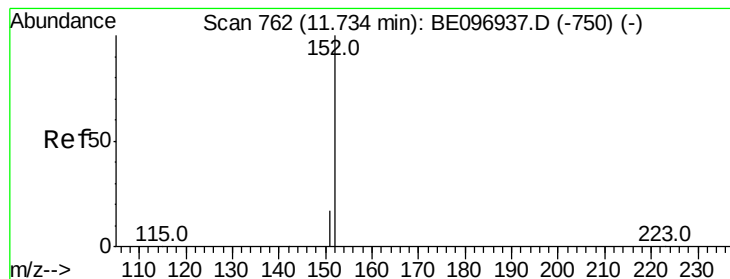


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.399 ng

RT: 11.74 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE096950.D

Acq: 16 Jul 2018 22:41

Instrument :

BNA_E

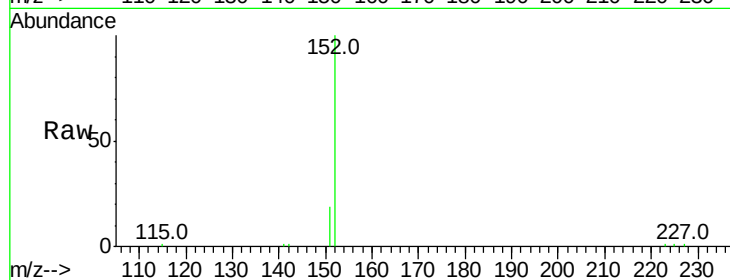
ClientSampled :

Tot Ion:152 Resp: 6950

Ion Ratio Lower Upper

152 100

151 19.2 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.74

4000

3000

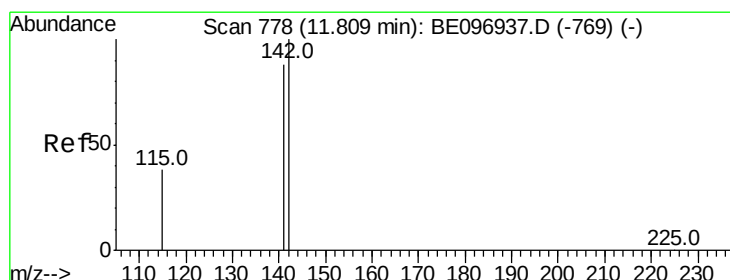
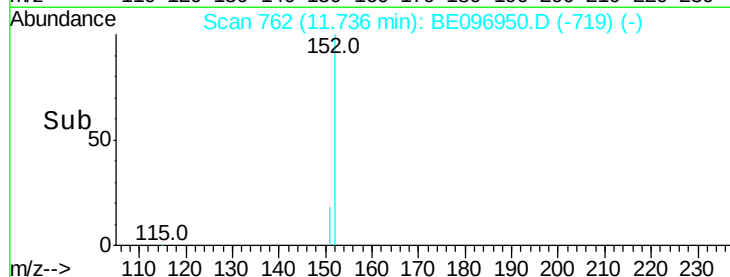
2000

1000

0

Time-->

11.70 11.80



#12

2-Methylnaphthalene

Concen: 0.411 ng

RT: 11.81 min Scan# 777

Delta R.T. -0.00 min

Lab File: BE096950.D

Acq: 16 Jul 2018 22:41

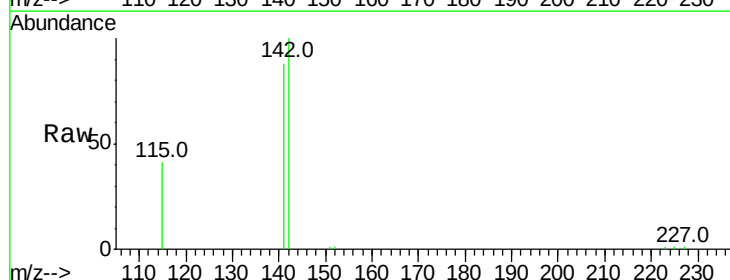
Tgt Ion:142 Resp: 7446

Ion Ratio Lower Upper

142 100

141 88.1 70.4 105.6

115 40.9 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

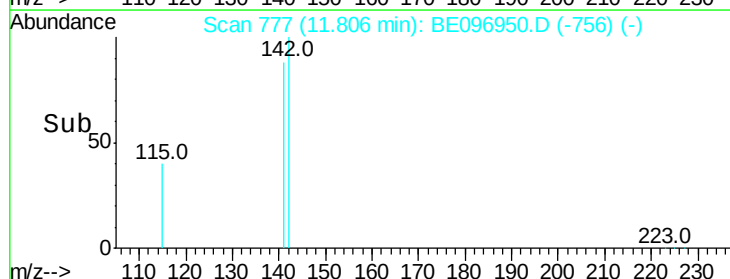
2000

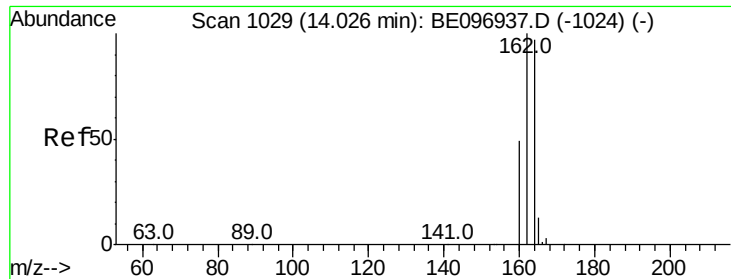
1000

0

Time-->

11.70 11.80 11.90





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BE096950.D

Acq: 16 Jul 2018 22:41

Instrument :

BNA_E

ClientSampleId :

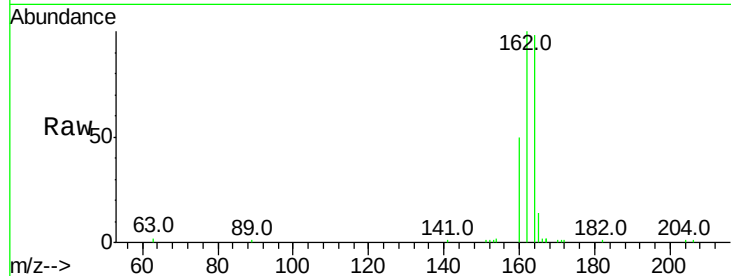
Tot Ion:164 Resp: 6455

Ion Ratio Lower Upper

164 100

162 102.0 83.1 124.7

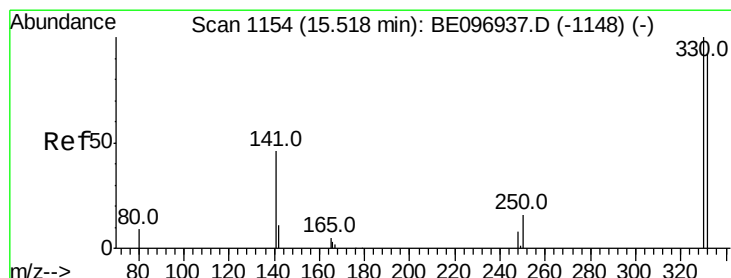
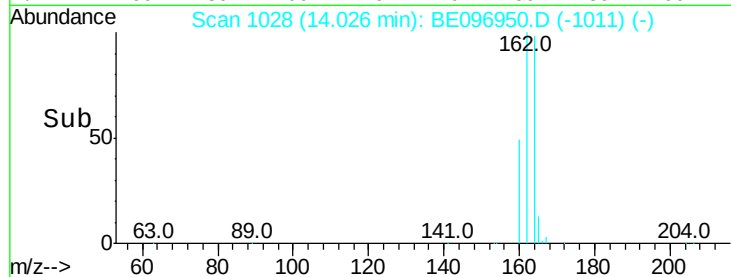
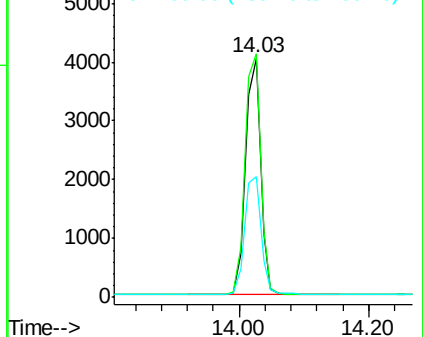
160 50.5 37.1 55.7



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: 0.497 ng

RT: 15.52 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BE096950.D

Acq: 16 Jul 2018 22:41

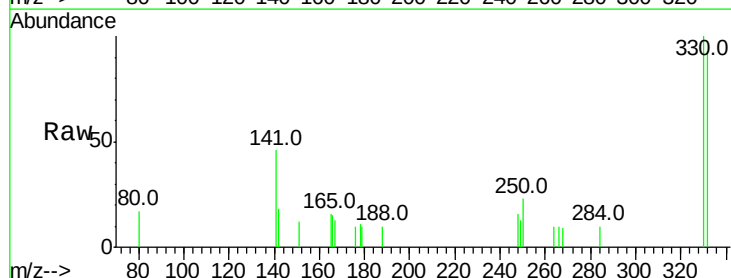
Tgt Ion:330 Resp: 728

Ion Ratio Lower Upper

330 100

332 96.2 152.7 229.1#

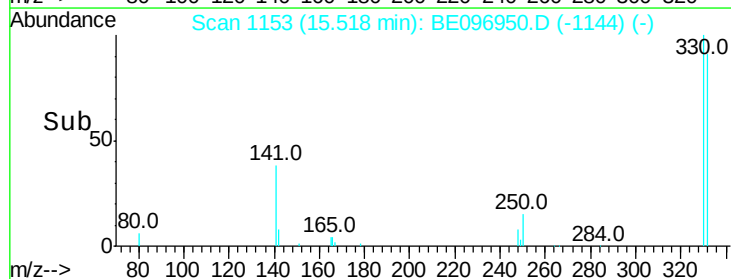
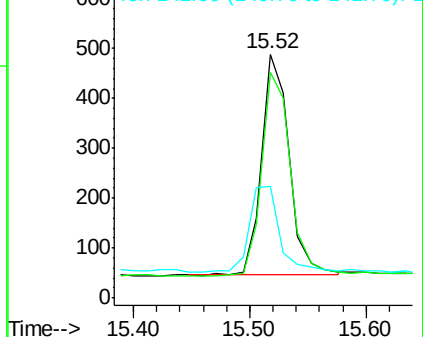
141 42.0 33.7 50.5

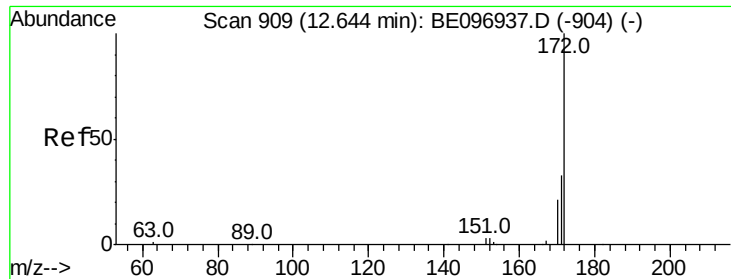


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

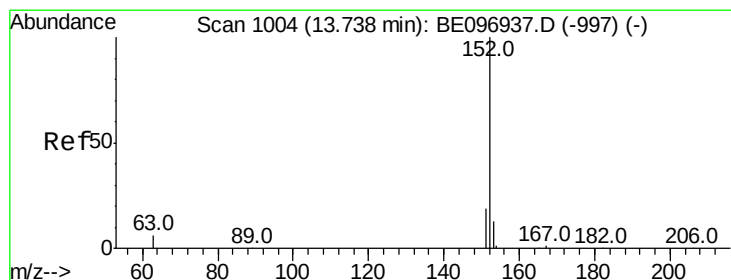
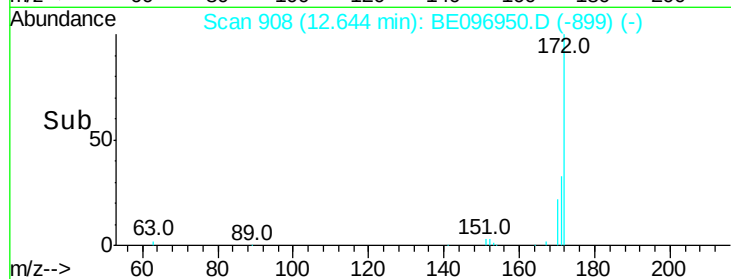
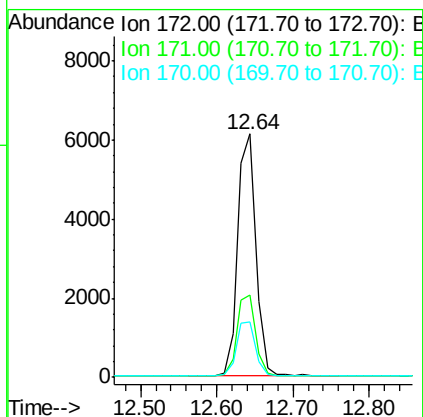
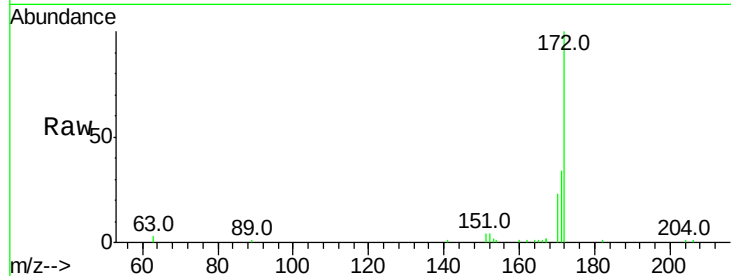




#15
2-Fluorobiphenyl
Concen: 0.425 ng
RT: 12.64 min Scan# 908
Delta R.T. -0.00 min
Lab File: BE096950.D
Acq: 16 Jul 2018 22:41

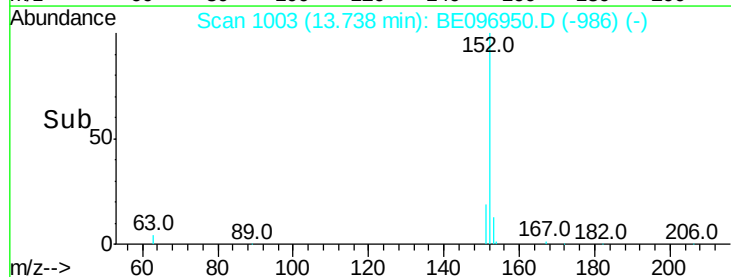
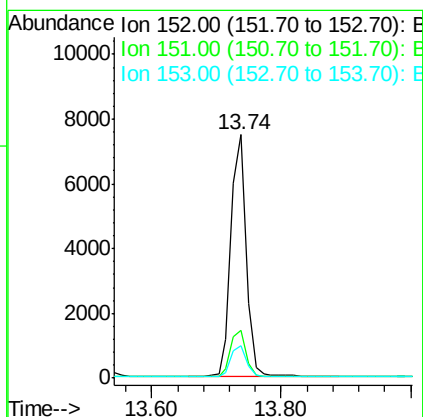
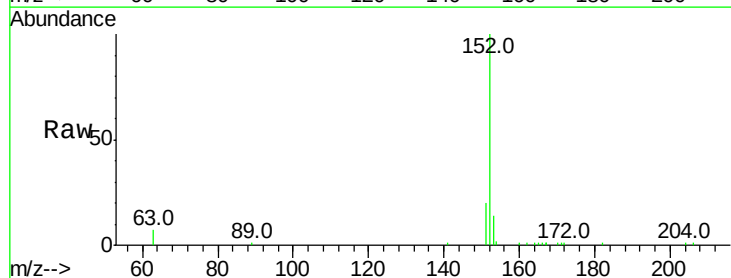
Instrument :
BNA_E
ClientSampleId :

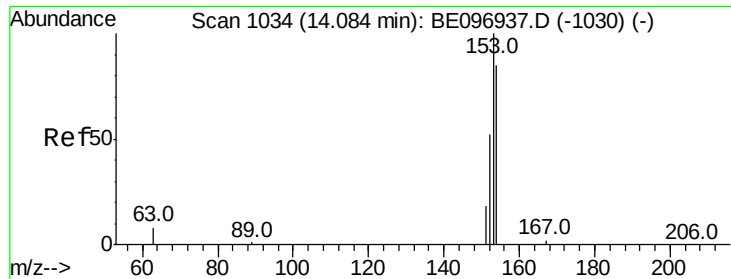
Tot Ion:172 Resp: 10201
Ion Ratio Lower Upper
172 100
171 33.9 29.9 44.9
170 22.7 21.8 32.8



#16
Acenaphthylene
Concen: 0.410 ng
RT: 13.74 min Scan# 1003
Delta R.T. -0.00 min
Lab File: BE096950.D
Acq: 16 Jul 2018 22:41

Tgt Ion:152 Resp: 12088
Ion Ratio Lower Upper
152 100
151 19.6 15.7 23.5
153 13.0 10.5 15.7





#17

Acenaphthene

Concen: 0.419 ng

RT: 14.08 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BE096950.D

Acq: 16 Jul 2018 22:41

Instrument :

BNA_E

ClientSampleId :

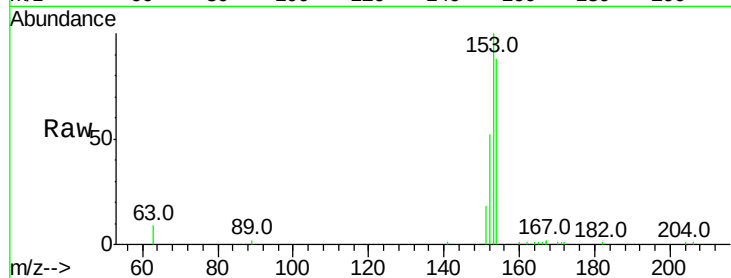
Tot Ion:154 Resp: 7671

Ion Ratio Lower Upper

154 100

153 114.6 89.2 133.8

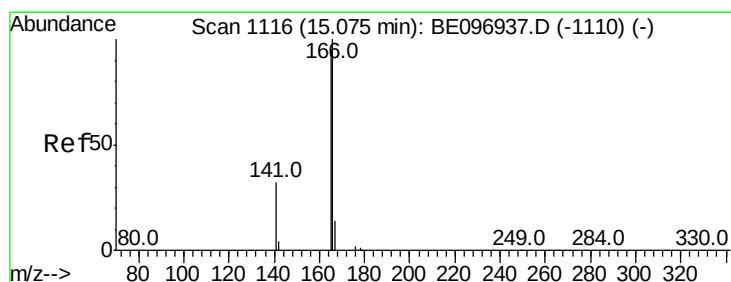
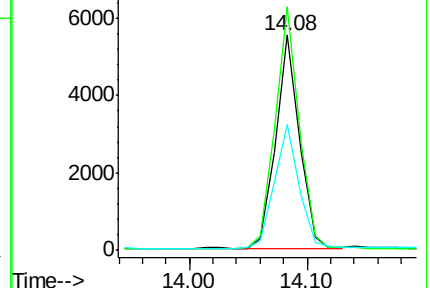
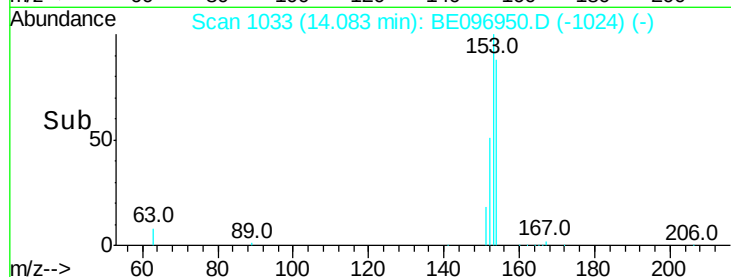
152 60.4 42.0 63.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.408 ng

RT: 15.07 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE096950.D

Acq: 16 Jul 2018 22:41

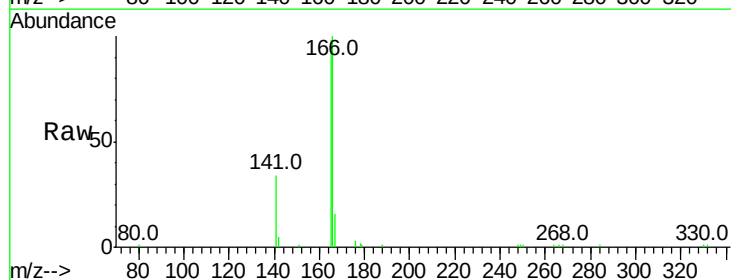
Tgt Ion:166 Resp: 8401

Ion Ratio Lower Upper

166 100

165 97.8 77.8 116.6

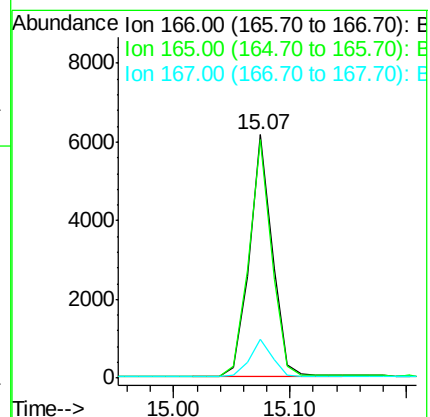
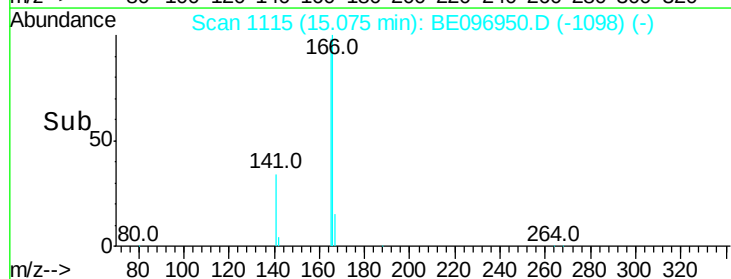
167 15.0 42.4 63.6#

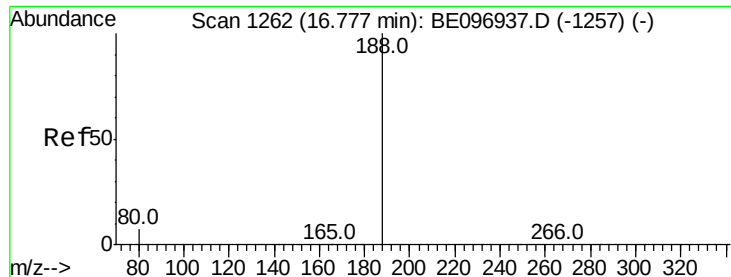


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

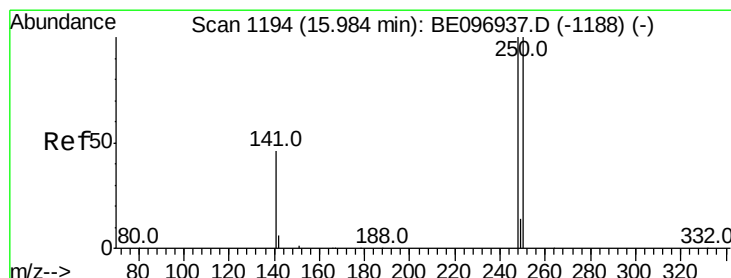
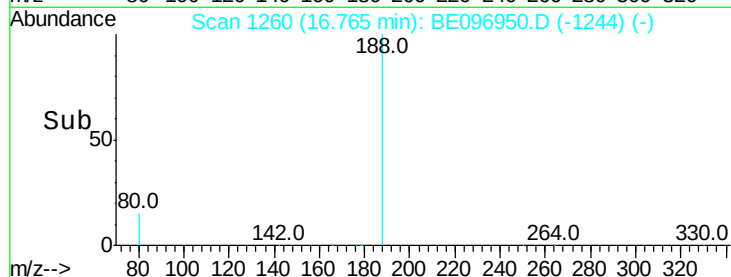
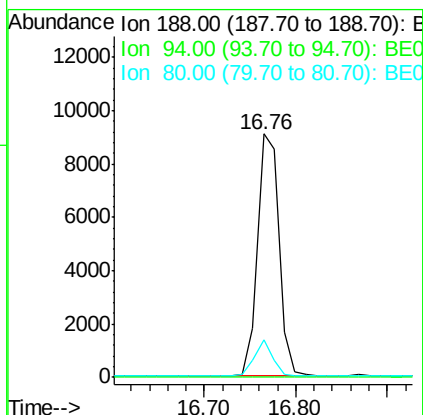
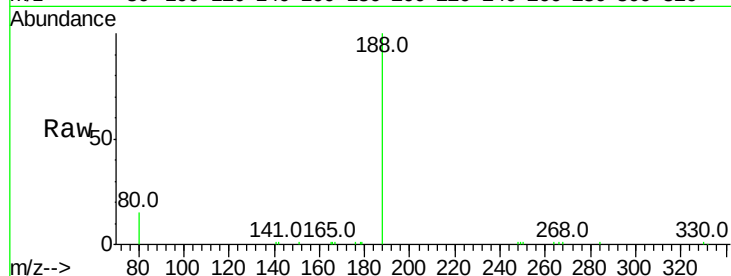




#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 16.76 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: BE096950.D
 Acq: 16 Jul 2018 22:41

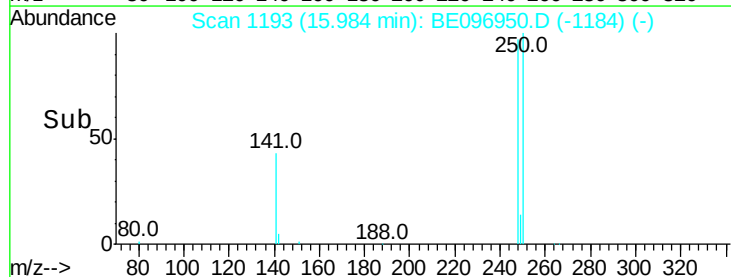
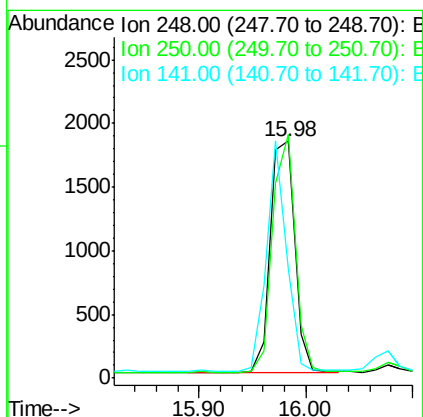
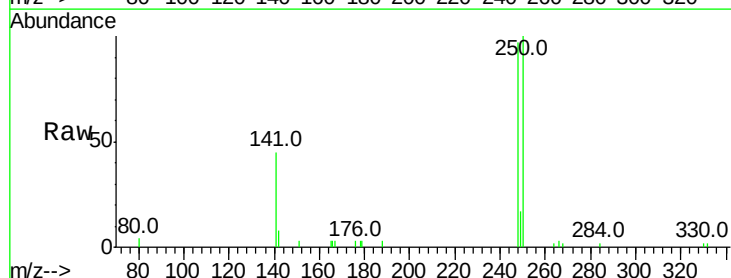
Instrument :
 BNA_E
 ClientSampleId :

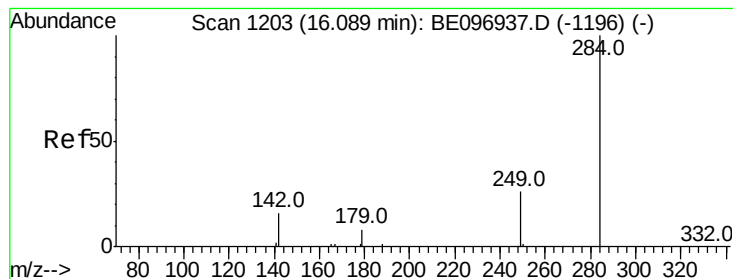
Tot Ion:188 Resp: 15007
 Ion Ratio Lower Upper
 188 100
 94 0.0 3.9 5.9#
 80 15.2 3.6 5.4#



#20
 4-Bromophenyl-phenylether
 Concen: 0.409 ng
 RT: 15.98 min Scan# 1193
 Delta R.T. -0.00 min
 Lab File: BE096950.D
 Acq: 16 Jul 2018 22:41

Tgt Ion:248 Resp: 2902
 Ion Ratio Lower Upper
 248 100
 250 102.7 62.7 94.1#
 141 46.3 48.2 72.2#





#21

Hexachlorobenzene

Concen: 0.415 ng

RT: 16.08 min Scan# 1201

Delta R.T. -0.01 min

Lab File: BE096950.D

Acq: 16 Jul 2018 22:41

Instrument :

BNA_E

ClientSampled :

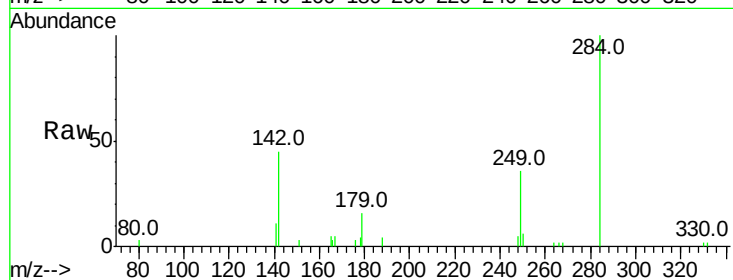
Tot Ion:284 Resp: 3274

Ion Ratio Lower Upper

284 100

142 38.1 22.1 33.1#

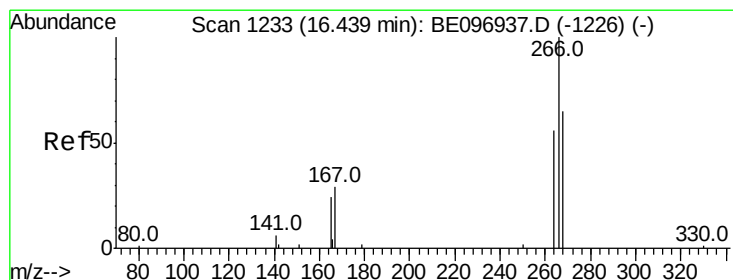
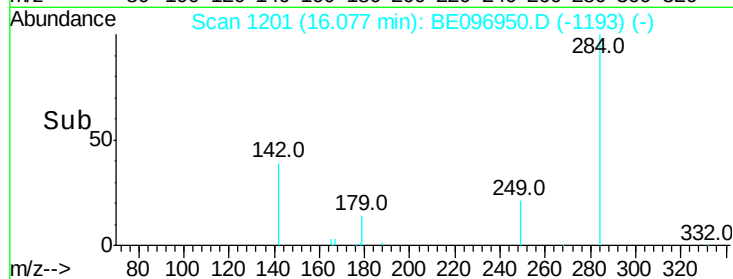
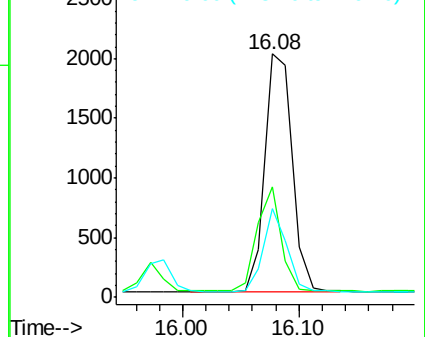
249 29.8 34.8 52.2#



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: 0.564 ng

RT: 16.43 min Scan# 1231

Delta R.T. -0.01 min

Lab File: BE096950.D

Acq: 16 Jul 2018 22:41

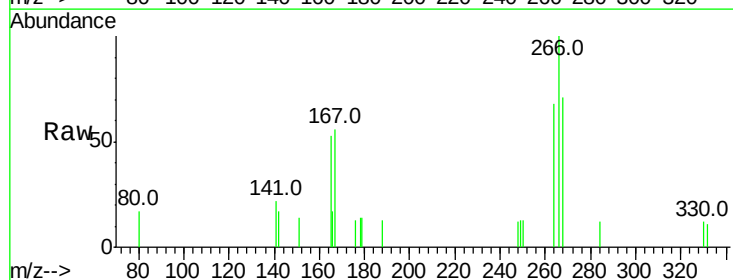
Tgt Ion:266 Resp: 681

Ion Ratio Lower Upper

266 100

264 68.3 72.5 108.7#

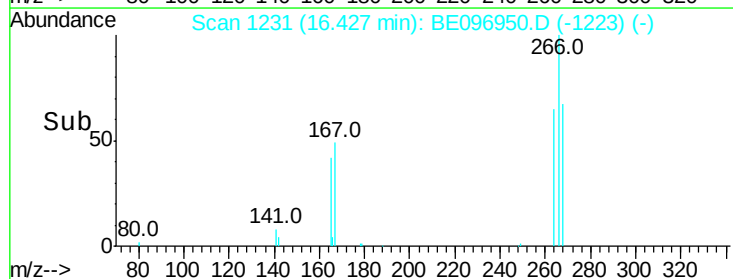
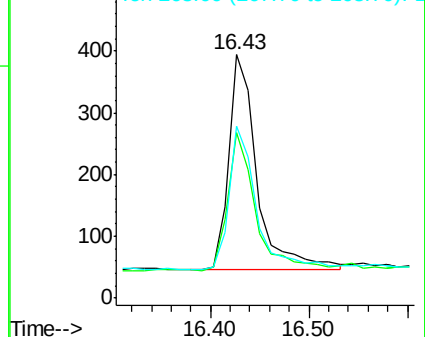
268 70.6 73.8 110.6#

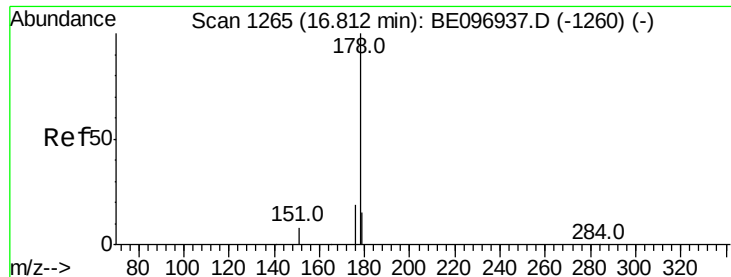


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.414 ng

RT: 16.81 min Scan# 1264

Delta R.T. -0.00 min

Lab File: BE096950.D

Acq: 16 Jul 2018 22:41

Instrument :

BNA_E

ClientSampled :

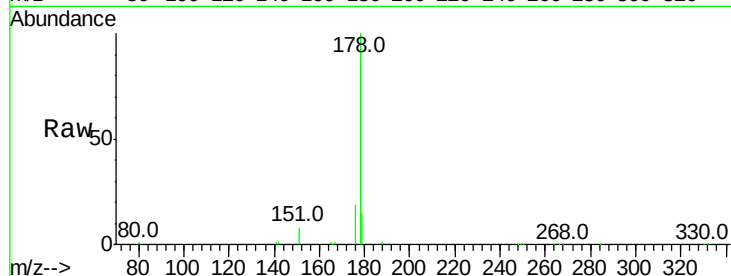
Tot Ion:178 Resp: 14871

Ion Ratio Lower Upper

178 100

176 19.5 15.1 22.7

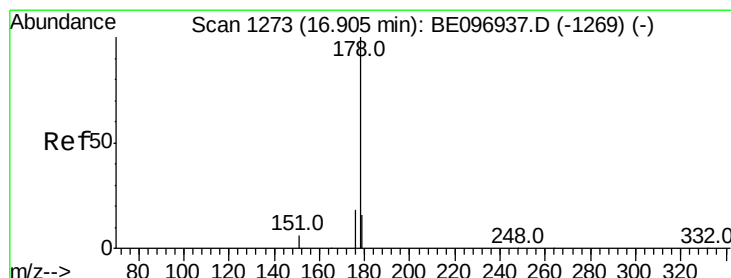
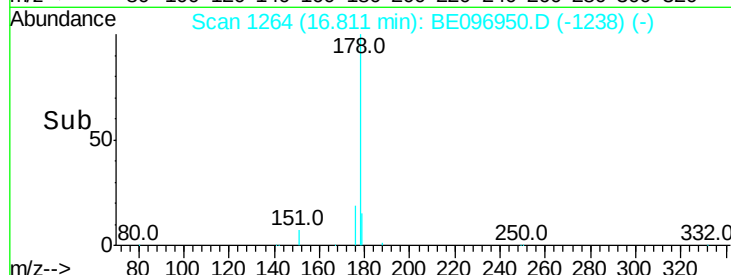
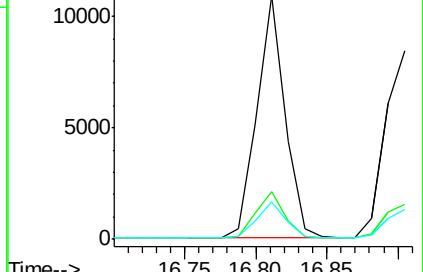
179 15.1 11.8 17.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.410 ng

RT: 16.90 min Scan# 1272

Delta R.T. -0.00 min

Lab File: BE096950.D

Acq: 16 Jul 2018 22:41

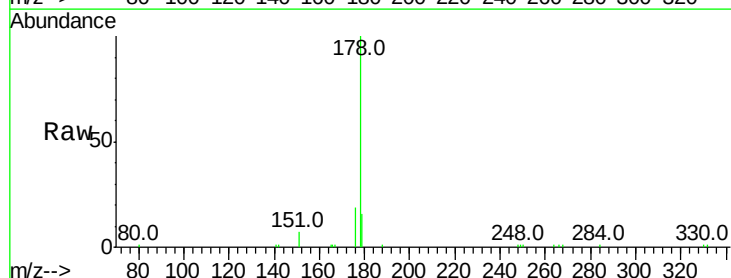
Tgt Ion:178 Resp: 12835

Ion Ratio Lower Upper

178 100

176 18.3 12.8 19.2

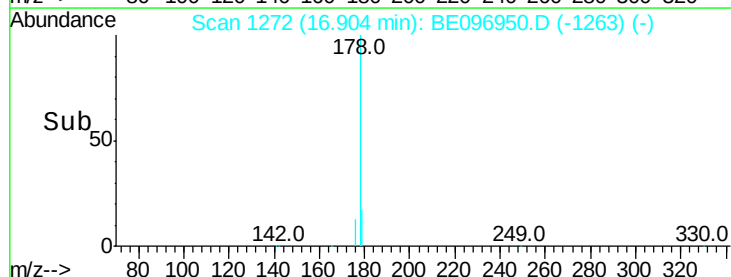
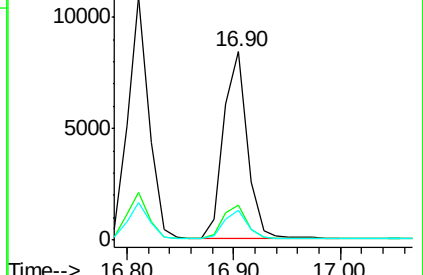
179 15.6 13.0 19.6

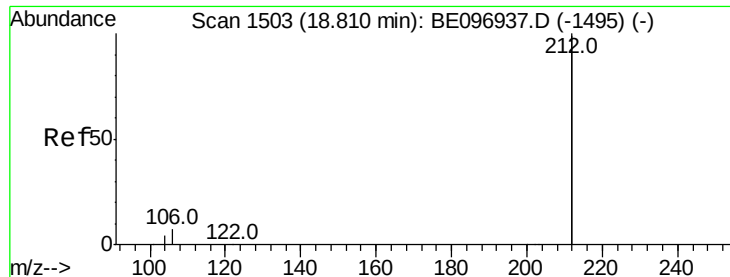


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.401 ng

RT: 18.81 min Scan# 1502

Delta R.T. -0.00 min

Lab File: BE096950.D

Acq: 16 Jul 2018 22:41

Instrument :

BNA_E

ClientSampleId :

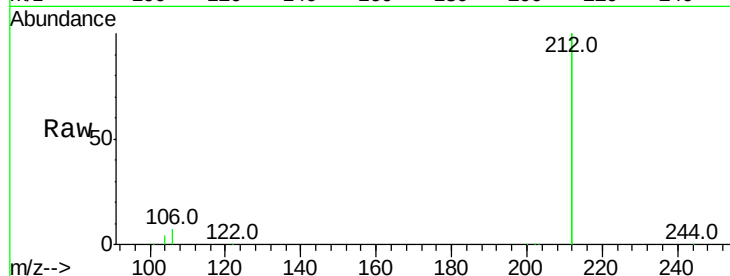
Tot Ion:212 Resp: 52311

Ion Ratio Lower Upper

212 100

106 3.5 2.8 4.2

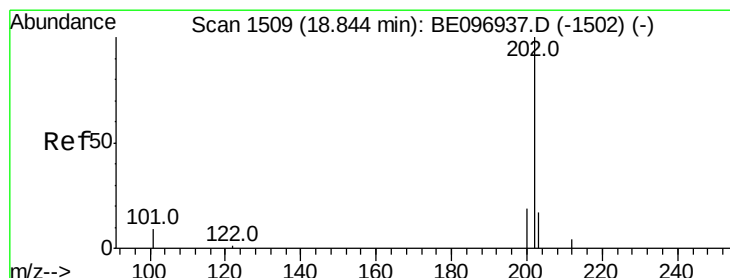
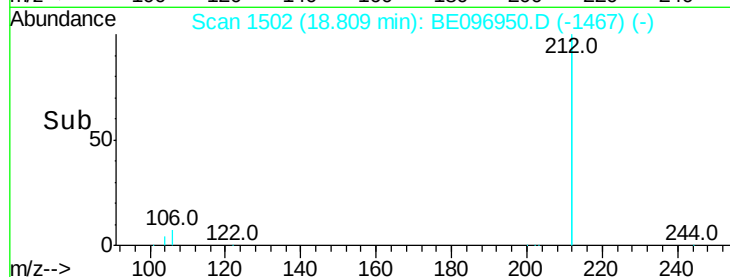
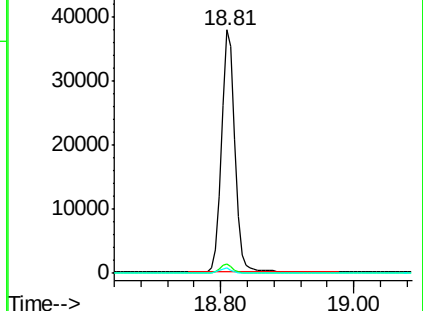
104 1.9 1.6 2.4



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: 0.416 ng

RT: 18.84 min Scan# 1507

Delta R.T. -0.01 min

Lab File: BE096950.D

Acq: 16 Jul 2018 22:41

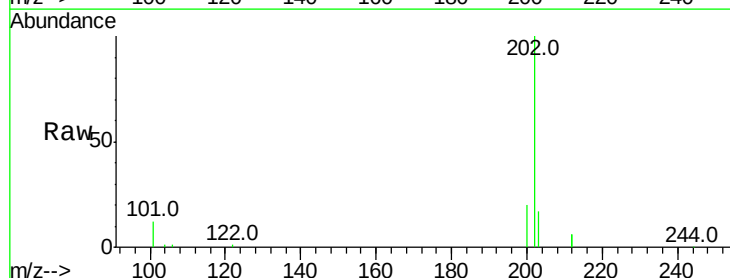
Tgt Ion:202 Resp: 15781

Ion Ratio Lower Upper

202 100

101 11.2 9.8 14.8

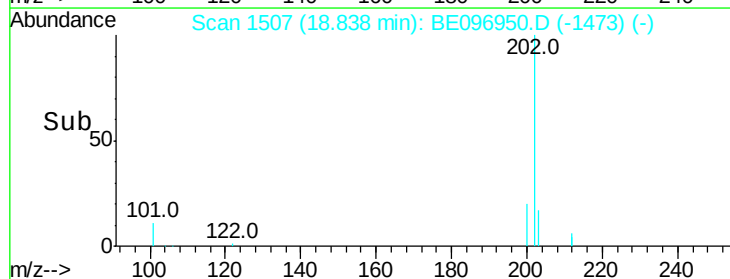
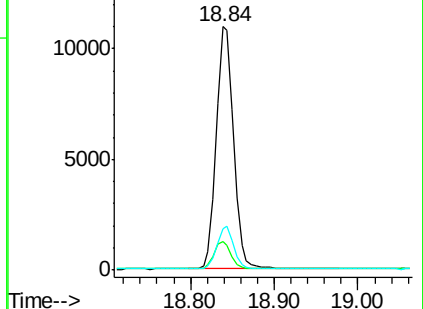
203 17.1 13.7 20.5

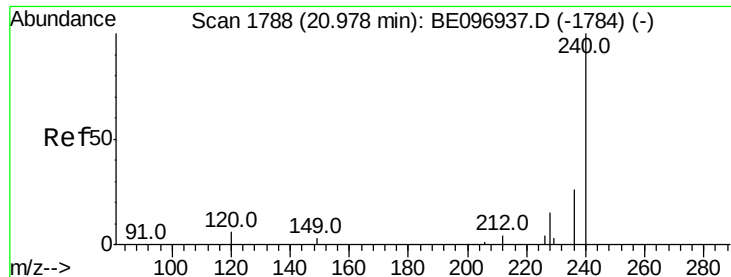


Abundance Ion 202.00 (201.70 to 202.70): E

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# 1787

Delta R.T. 0.00 min

Lab File: BE096950.D

Acq: 16 Jul 2018 22:41

Instrument :

BNA_E

ClientSampled :

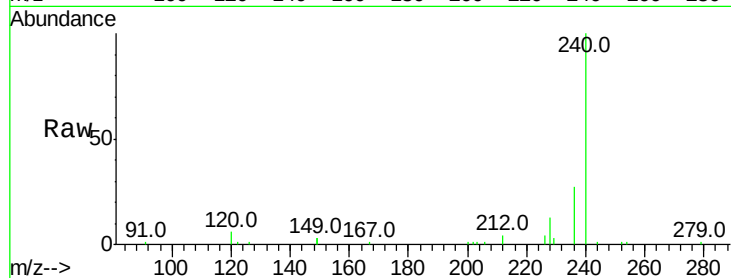
Tot Ion:240 Resp: 13535

Ion Ratio Lower Upper

240 100

120 5.5 5.5 8.3

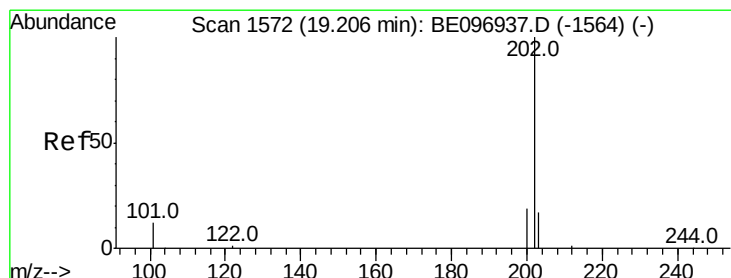
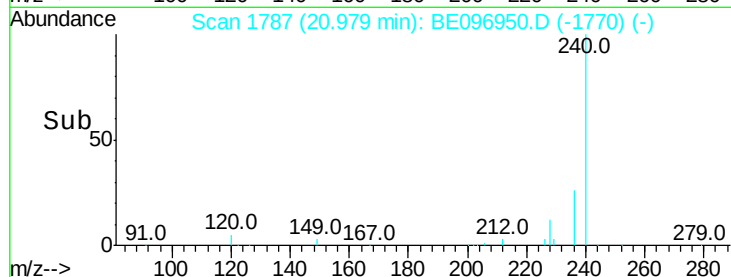
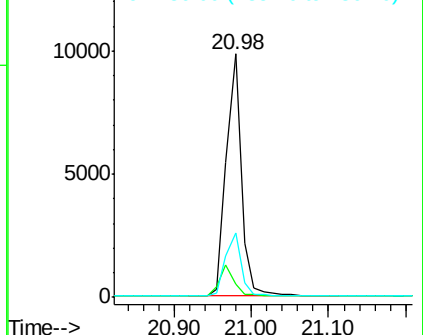
236 26.6 20.7 31.1



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: 0.403 ng

RT: 19.21 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BE096950.D

Acq: 16 Jul 2018 22:41

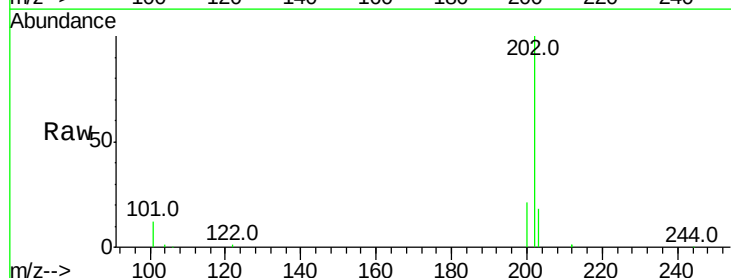
Tgt Ion:202 Resp: 16094

Ion Ratio Lower Upper

202 100

200 19.8 16.6 25.0

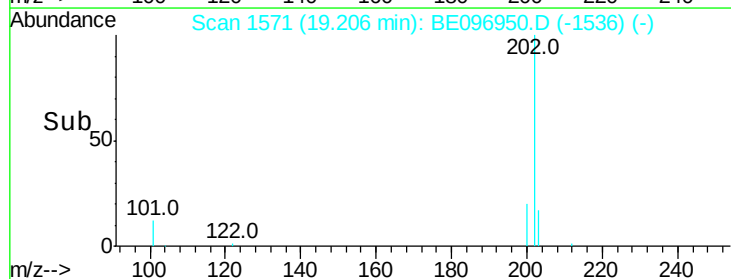
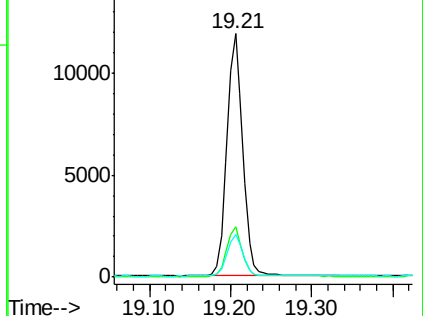
203 17.3 13.8 20.8

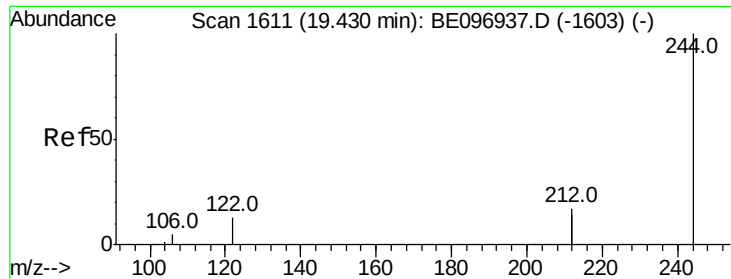


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

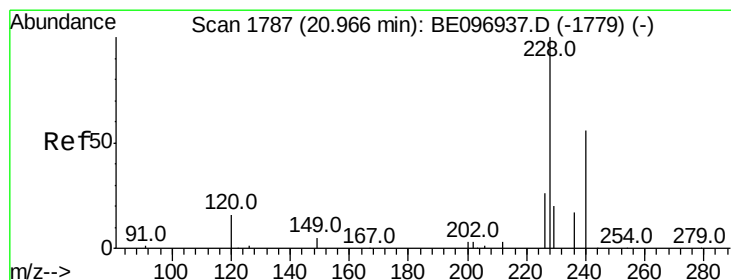
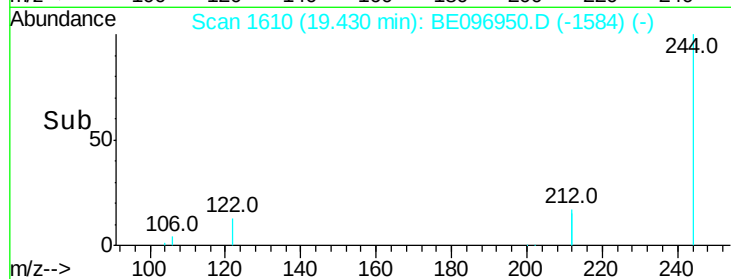
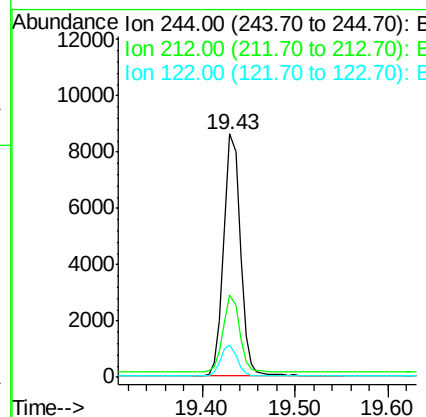
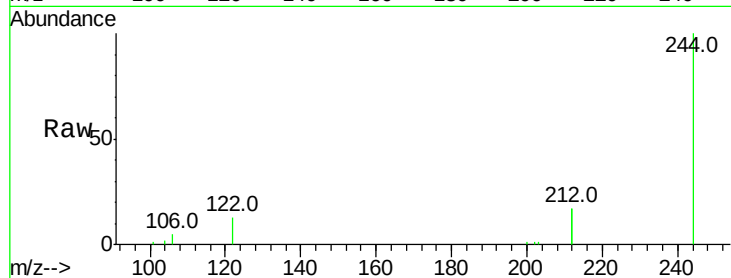




#29
 Terphenyl-d14
 Concen: 0.411 ng
 RT: 19.43 min Scan# 1610
 Delta R.T. -0.00 min
 Lab File: BE096950.D
 Acq: 16 Jul 2018 22:41

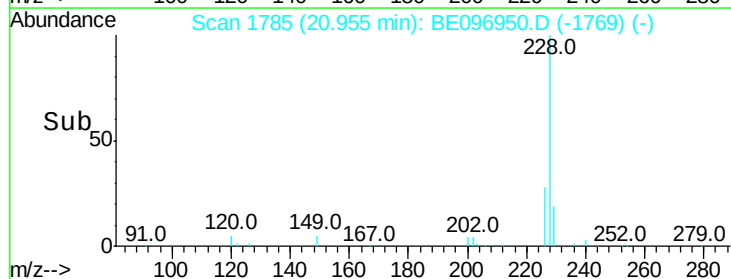
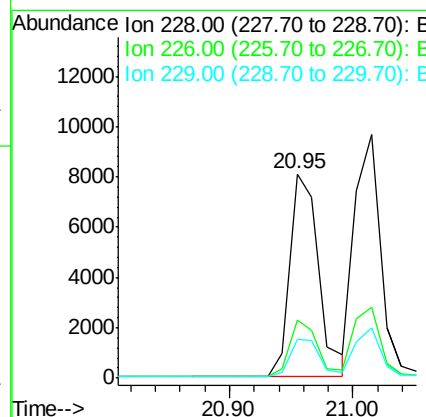
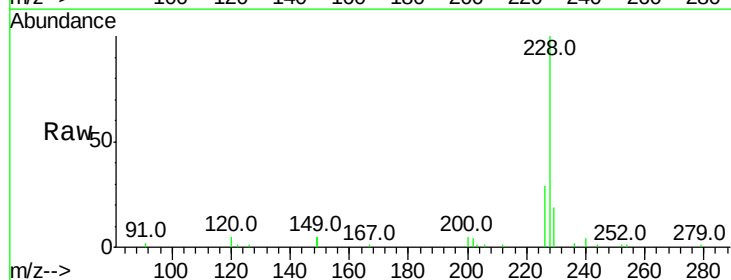
Instrument :
 BNA_E
 ClientSampleId :

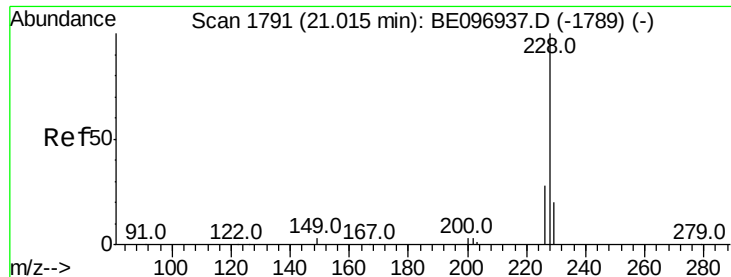
Tot Ion:244 Resp: 10723
 Ion Ratio Lower Upper
 244 100
 212 33.6 25.4 38.0
 122 13.2 8.1 12.1#



#30
 Benzo(a)anthracene
 Concen: 0.412 ng
 RT: 20.95 min Scan# 1785
 Delta R.T. -0.01 min
 Lab File: BE096950.D
 Acq: 16 Jul 2018 22:41

Tgt Ion:228 Resp: 13264
 Ion Ratio Lower Upper
 228 100
 226 28.5 24.0 36.0
 229 19.1 16.0 24.0





#31

Chrysene

Concen: 0.391 ng

RT: 21.02 min Scan# 1790

Delta R.T. 0.00 min

Lab File: BE096950.D

Acq: 16 Jul 2018 22:41

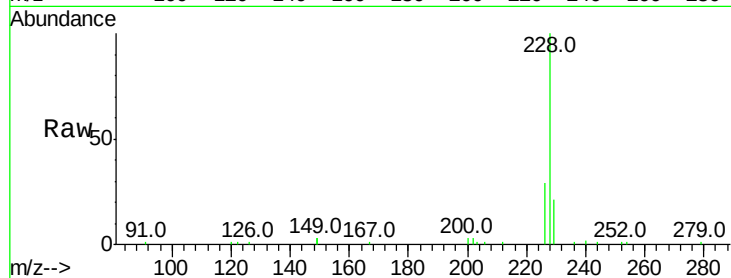
Instrument :

BNA_E

ClientSampleId :

Tot Ion:228 Resp: 14148

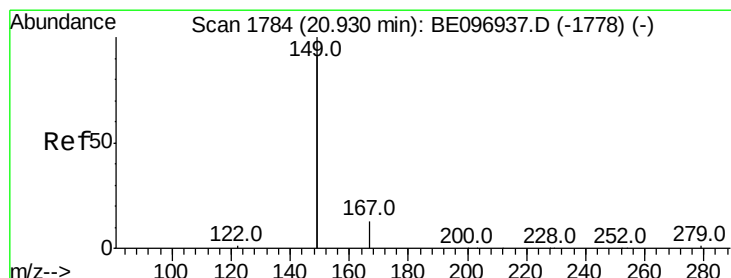
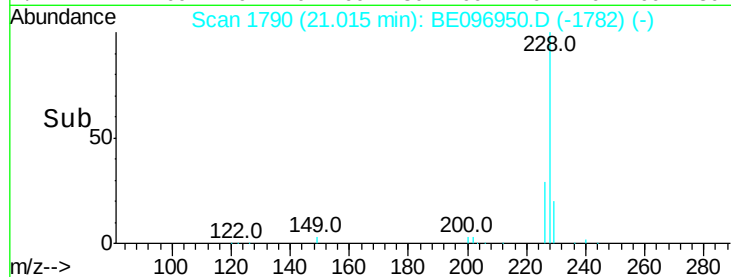
Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.0	36.0
229	20.5	16.0	24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.475 ng

RT: 20.93 min Scan# 1783

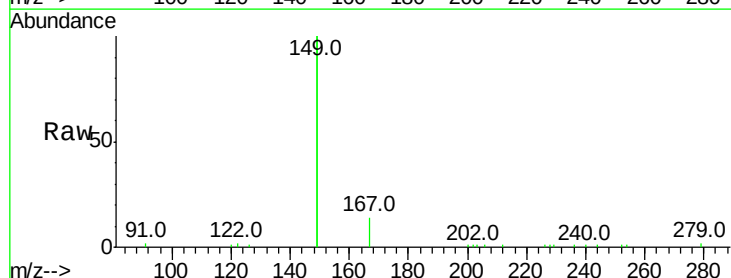
Delta R.T. 0.00 min

Lab File: BE096950.D

Acq: 16 Jul 2018 22:41

Tgt Ion:149 Resp: 15286

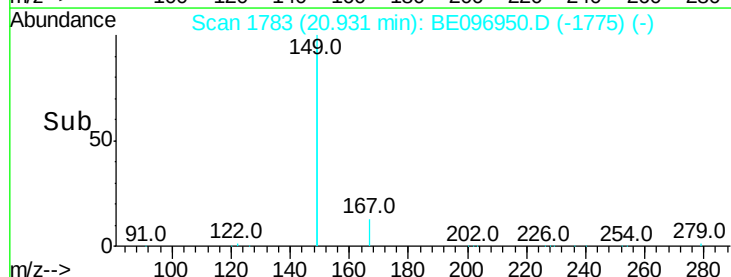
Ion	Ratio	Lower	Upper
149	100		
167	6.6	5.4	8.0
279	0.8	0.7	1.1

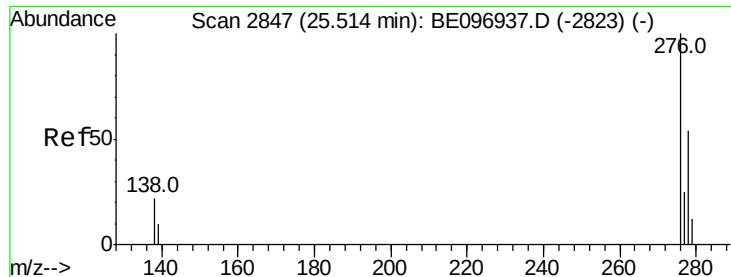


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.459 ng

RT: 25.51 min Scan# 2845

Delta R.T. -0.00 min

Lab File: BE096950.D

Acq: 16 Jul 2018 22:41

Instrument :

BNA_E

ClientSampleId :

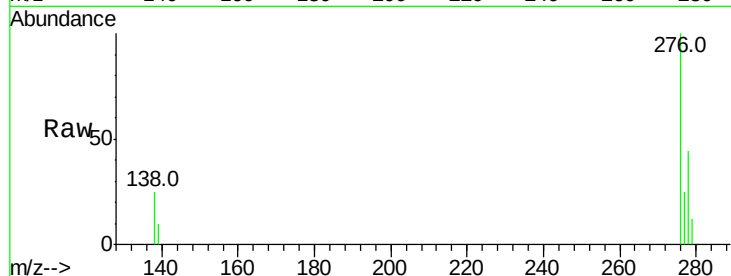
Tot Ion:276 Resp: 12079

Ion Ratio Lower Upper

276 100

138 24.3 22.5 33.7

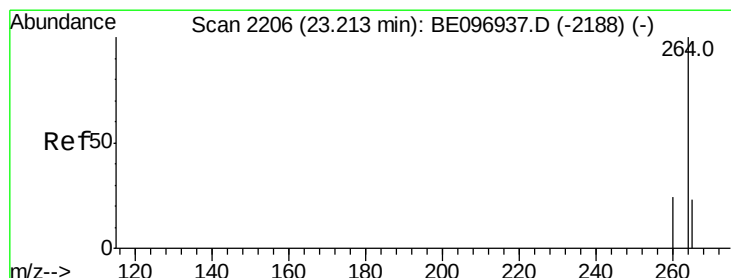
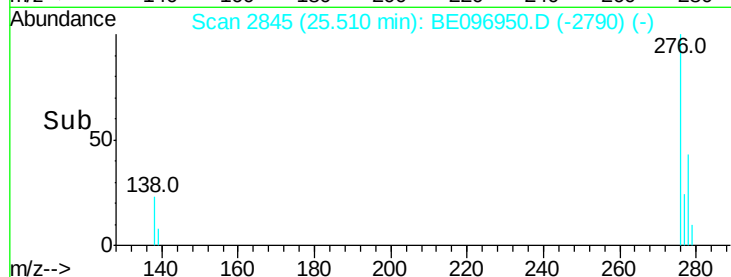
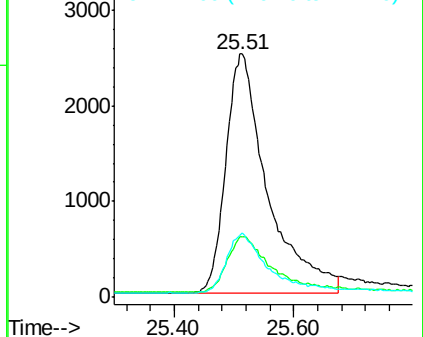
277 24.9 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.22 min Scan# 2206

Delta R.T. 0.00 min

Lab File: BE096950.D

Acq: 16 Jul 2018 22:41

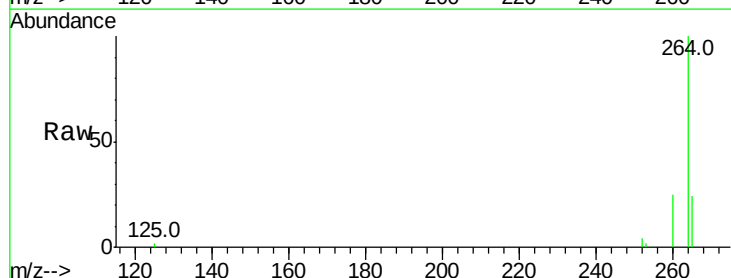
Tgt Ion:264 Resp: 13577

Ion Ratio Lower Upper

264 100

260 24.8 20.5 30.7

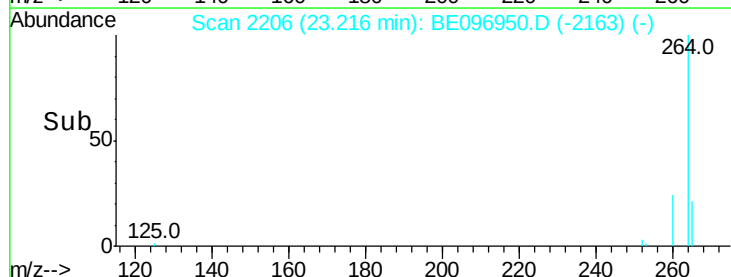
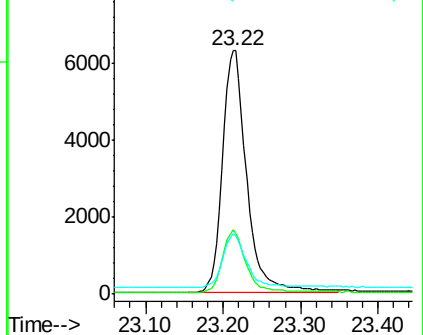
265 23.8 22.8 34.2

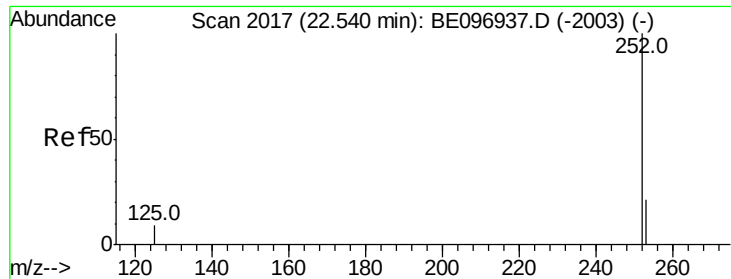


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

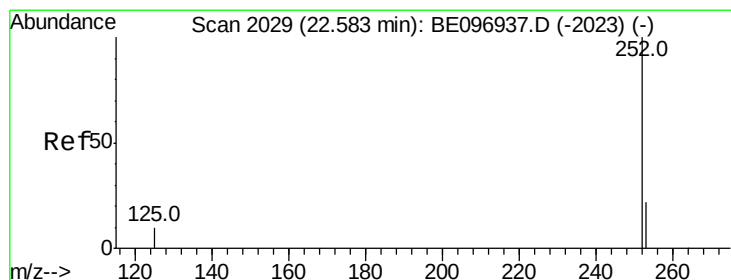
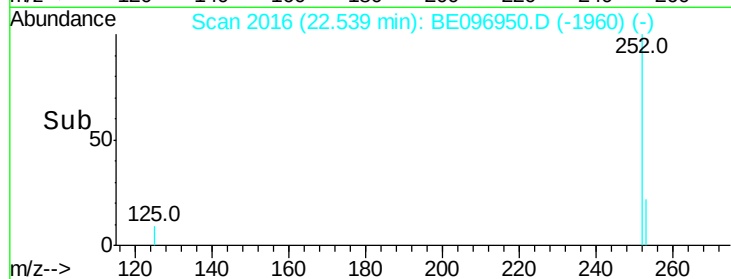
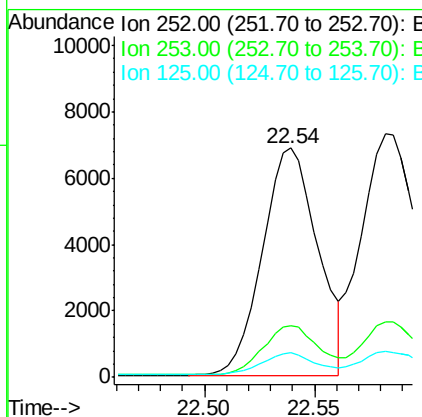
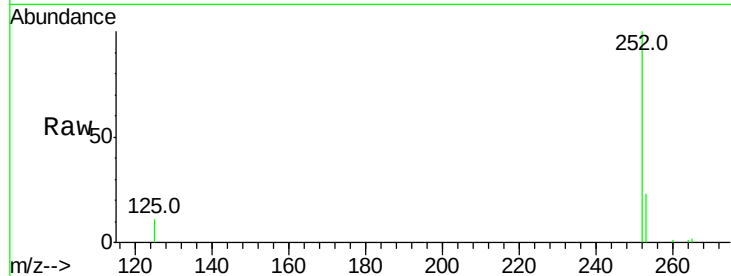




#35
Benzo(b)fluoranthene
Concen: 0.345 ng
RT: 22.54 min Scan# 2016
Delta R.T. -0.00 min
Lab File: BE096950.D
Acq: 16 Jul 2018 22:41

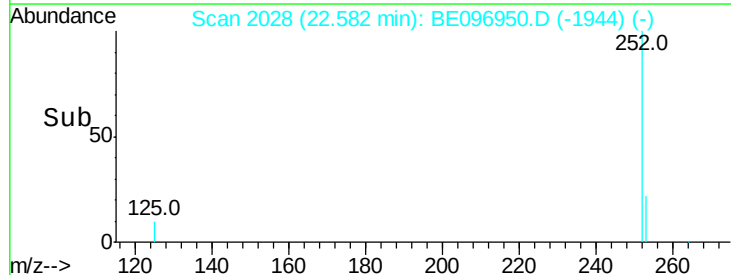
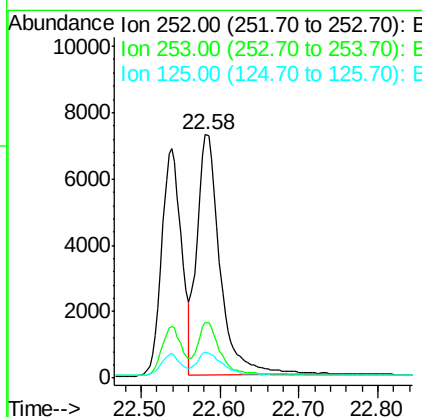
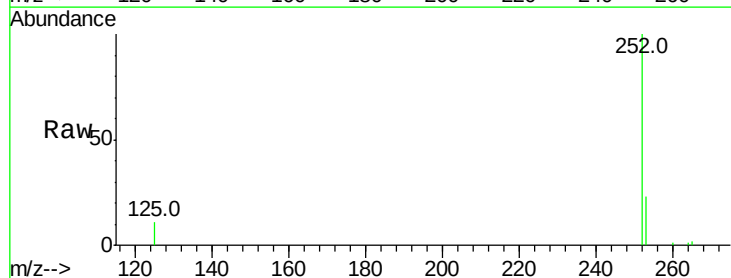
Instrument :
BNA_E
ClientSampleId :

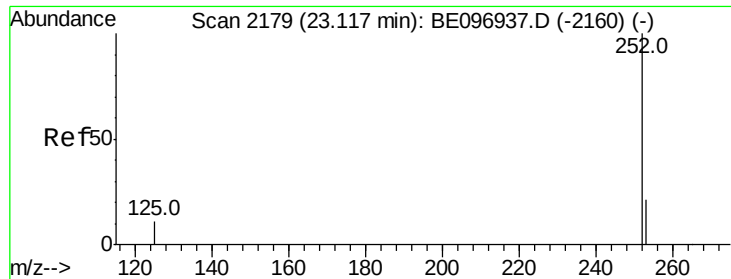
Tot Ion:252 Resp: 11969
Ion Ratio Lower Upper
252 100
253 22.6 20.0 30.0
125 10.5 16.0 24.0#



#36
Benzo(k)fluoranthene
Concen: 0.359 ng
RT: 22.58 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BE096950.D
Acq: 16 Jul 2018 22:41

Tgt Ion:252 Resp: 14786
Ion Ratio Lower Upper
252 100
253 22.6 16.0 24.0
125 10.7 8.0 12.0





#37

Benzo(a)pyrene

Concen: 0.384 ng

RT: 23.11 min Scan# 2177

Delta R.T. -0.00 min

Lab File: BE096950.D

Acq: 16 Jul 2018 22:41

Instrument :

BNA_E

ClientSampleId :

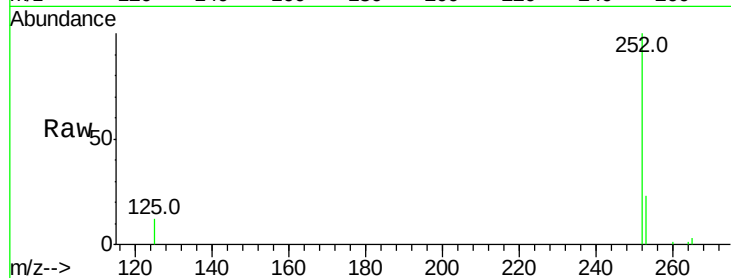
Tot Ion:252 Resp: 11140

Ion Ratio Lower Upper

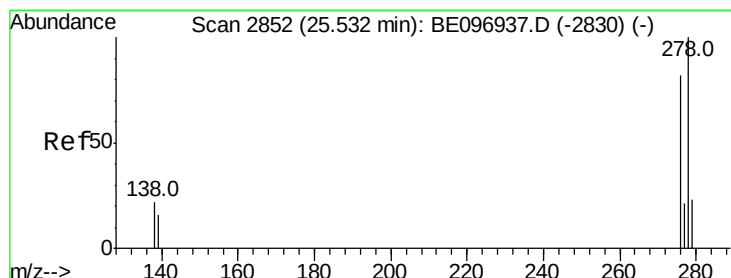
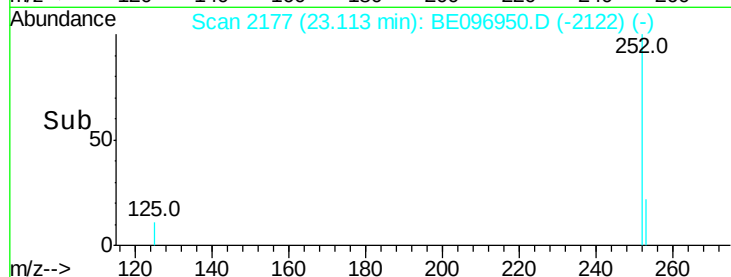
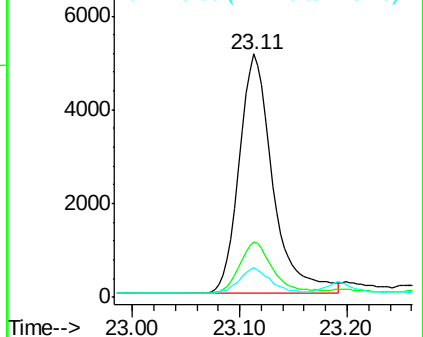
252 100

253 22.9 16.0 24.0

125 12.1 12.0 18.0



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.420 ng

RT: 25.53 min Scan# 2851

Delta R.T. -0.00 min

Lab File: BE096950.D

Acq: 16 Jul 2018 22:41

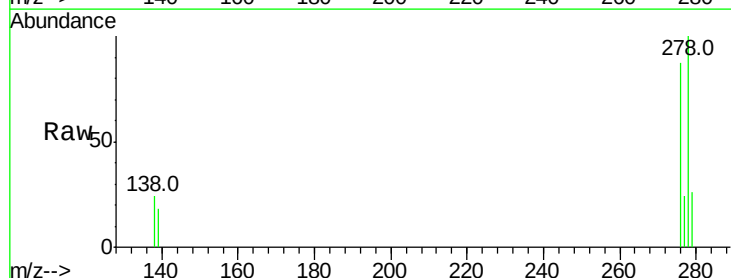
Tgt Ion:278 Resp: 10249

Ion Ratio Lower Upper

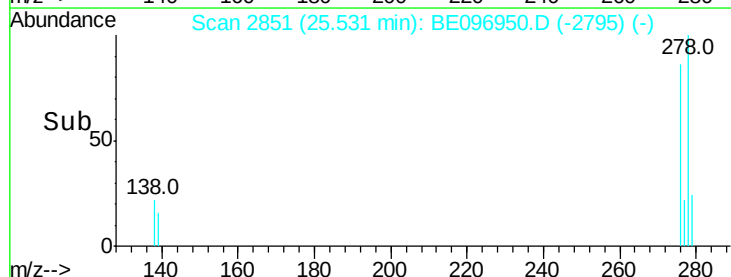
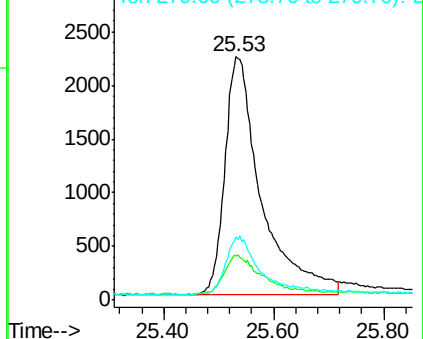
278 100

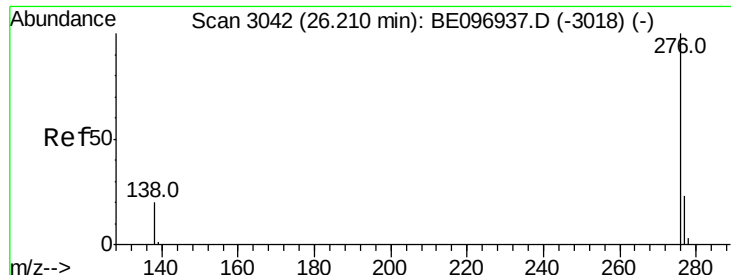
139 18.1 16.0 24.0

279 25.7 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: 0.375 ng

RT: 26.20 min Scan# 3039

Delta R.T. -0.01 min

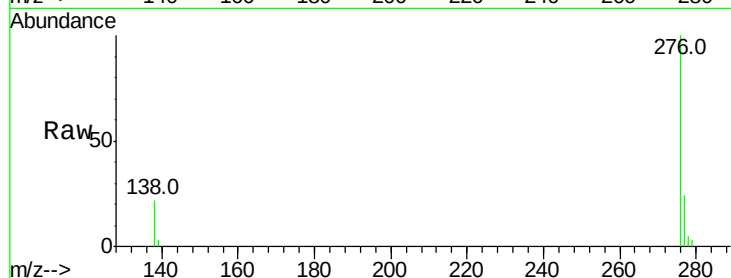
Lab File: BE096950.D

Acq: 16 Jul 2018 22:41

Instrument :

BNA_E

ClientSampleId :



Tot Ion:276 Resp: 10559

Ion Ratio Lower Upper

276 100

277 23.8 16.0 24.0

138 22.3 20.0 30.0

