

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071318\
 Data File : BE096899.D
 Acq On : 13 Jul 2018 10:26
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

Quant Time: Jul 13 17:03:02 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 13 17:02:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	2284	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	12201	0.40	ng	0.00
13) Acenaphthene-d10	14.03	164	6635	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	15360	0.40	ng	0.00
27) Chrysene-d12	20.98	240	13880	0.40	ng	0.00
34) Perylene-d12	23.21	264	12321	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.05	112	2123	0.42	ng	0.00
5) Phenol-d6	6.59	99	3239	0.43	ng	0.00
8) Nitrobenzene-d5	8.52	82	3358	0.45	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	7168	0.41	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	571	0.41	ng	0.00
15) 2-Fluorobiphenyl	12.64	172	9843	0.41	ng	0.00
25) Fluoranthene-d10	18.81	212	53668	0.40	ng	0.00
29) Terphenyl-d14	19.43	244	10417	0.39	ng	0.00

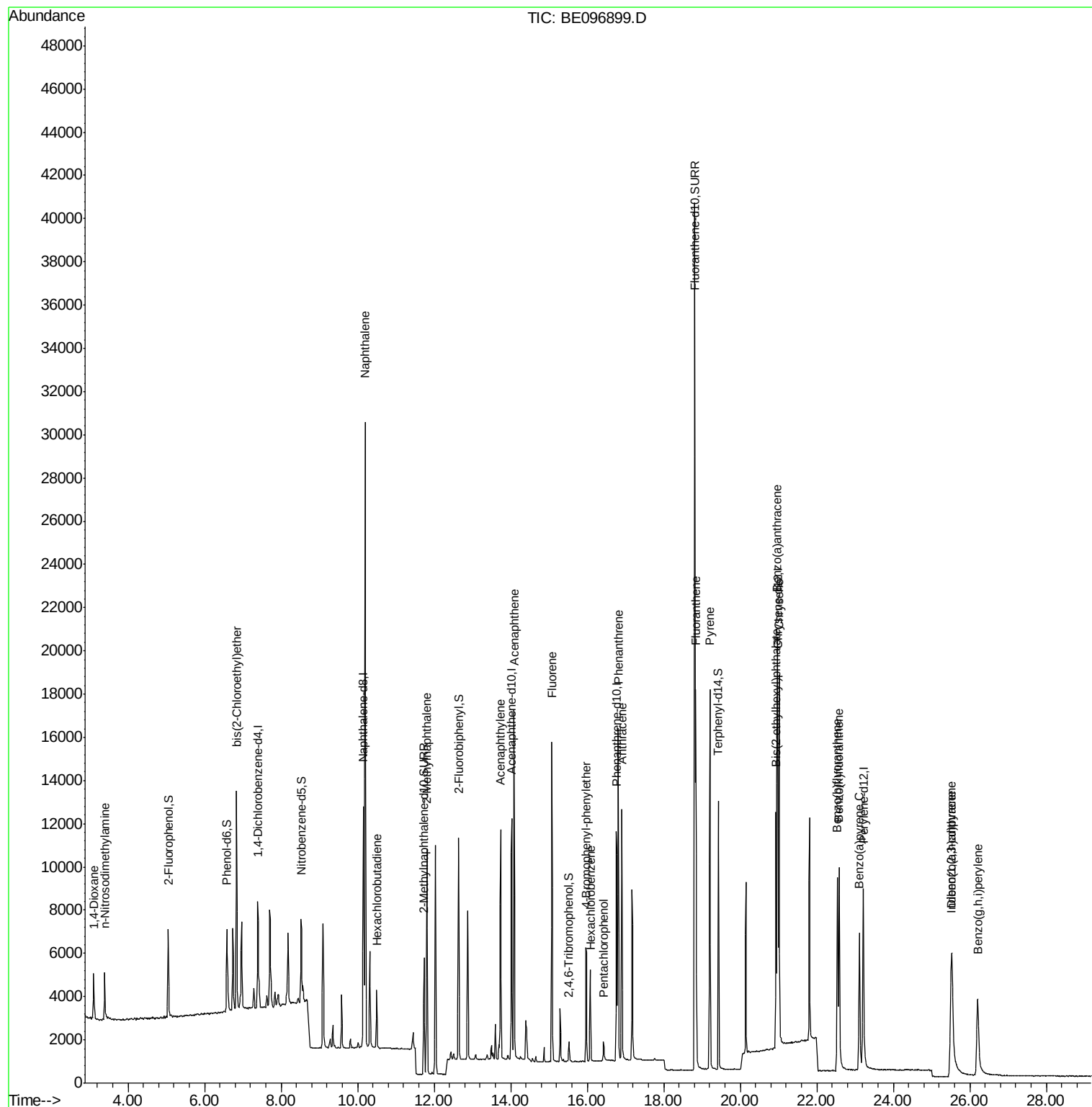
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.10	88	1154	0.337	ng	# 84
3) n-Nitrosodimethylamine	3.38	42	1446	0.399	ng	# 89
6) bis(2-Chloroethyl)ether	6.84	93	3170	0.380	ng	98
9) Naphthalene	10.20	128	43674	0.394	ng	99
10) Hexachlorobutadiene	10.50	225	1719	0.373	ng	97
12) 2-Methylnaphthalene	11.81	142	7325	0.399	ng	100
16) Acenaphthylene	13.74	152	11665	0.405	ng	100
17) Acenaphthene	14.08	154	7459	0.392	ng	95
18) Fluorene	15.08	166	8255	0.369	ng	# 80
20) 4-Bromophenyl-phenylether	15.98	248	2835	0.409	ng	# 75
21) Hexachlorobenzene	16.09	284	3324	0.421	ng	# 80
22) Pentachlorophenol	16.43	266	563	0.466	ng	# 72
23) Phenanthrene	16.81	178	14722	0.390	ng	98
24) Anthracene	16.91	178	12525	0.400	ng	95
26) Fluoranthene	18.84	202	15508	0.406	ng	99
28) Pyrene	19.21	202	16080	0.400	ng	99
30) Benzo(a)anthracene	20.97	228	12442	0.404	ng	95
31) Chrysene	21.01	228	14251	0.375	ng	100
32) Bis(2-ethylhexyl)phthalate	20.93	149	11157	0.405	ng	99
33) Indeno(1,2,3-cd)pyrene	25.51	276	11010	0.390	ng	96
35) Benzo(b)fluoranthene	22.54	252	11925	0.355	ng	# 87
36) Benzo(k)fluoranthene	22.58	252	13701	0.374	ng	96
37) Benzo(a)pyrene	23.11	252	10567	0.396	ng	# 93
38) Dibenzo(a,h)anthracene	25.53	278	9182	0.364	ng	97
39) Benzo(g,h,i)perylene	26.21	276	10032	0.336	ng	# 92

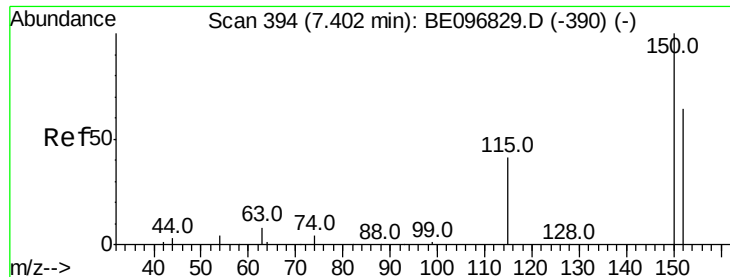
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jul 13 17:02:57 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.39 min Scan# 393

Delta R.T. 0.00 min

Lab File: BE096899.D

Acq: 13 Jul 2018 10:26

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

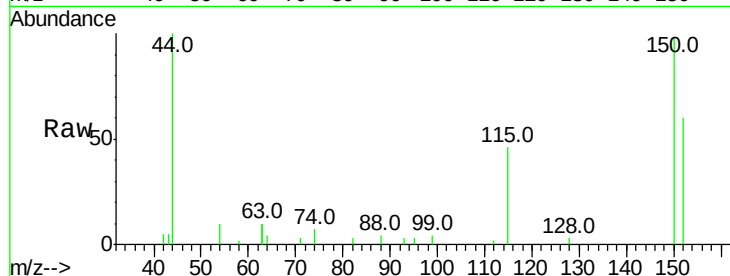
Tot Ion:152 Resp: 2284

Ion Ratio Lower Upper

152 100

150 162.9 117.2 175.8

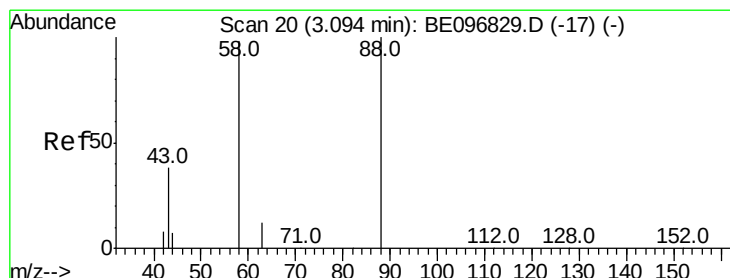
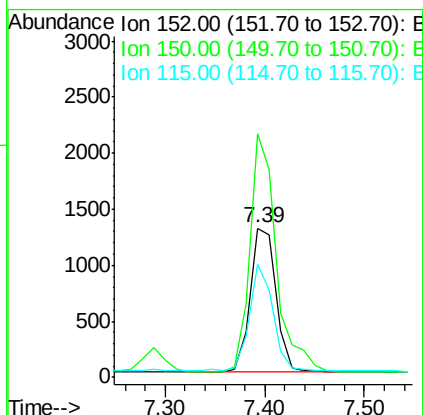
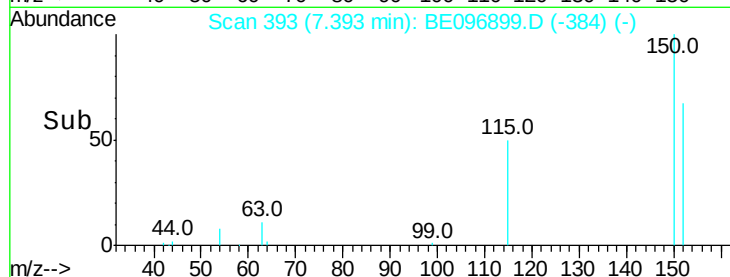
115 75.8 57.0 85.6



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: 0.337 ng

RT: 3.10 min Scan# 20

Delta R.T. 0.00 min

Lab File: BE096899.D

Acq: 13 Jul 2018 10:26

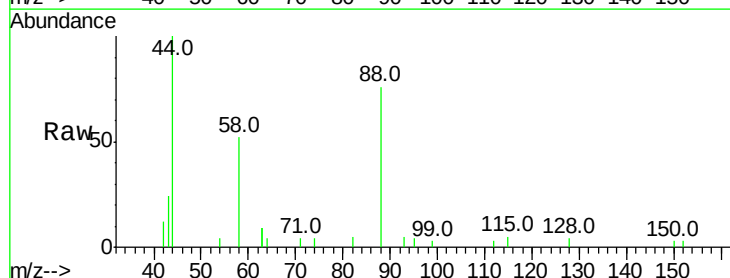
Tgt Ion: 88 Resp: 1154

Ion Ratio Lower Upper

88 100

58 87.1 63.2 94.8

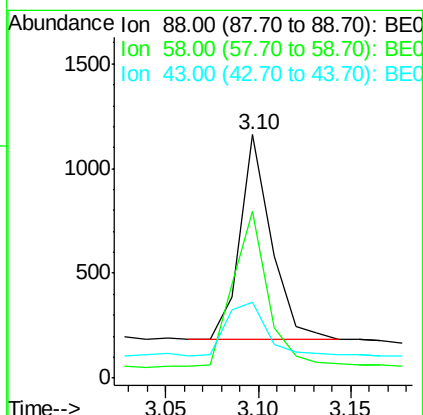
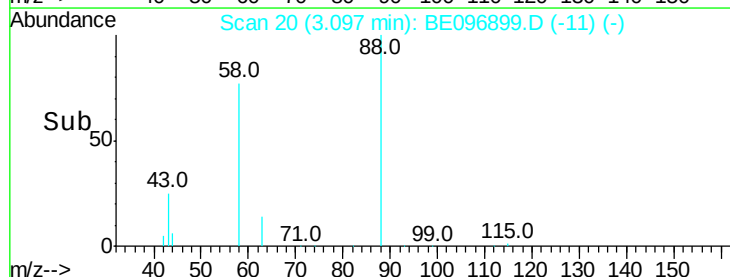
43 33.4 41.2 61.8#

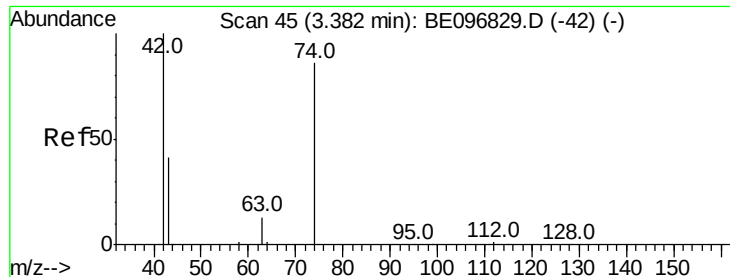


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



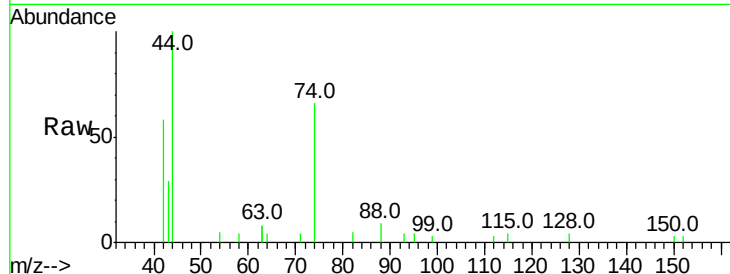


#3

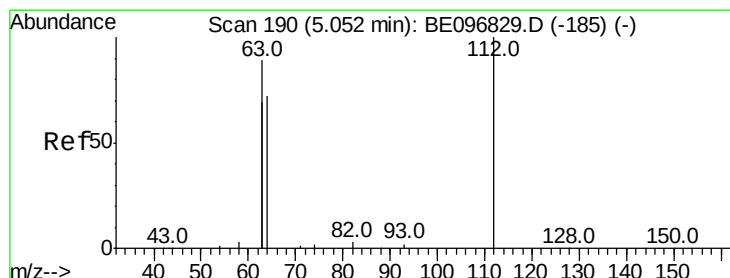
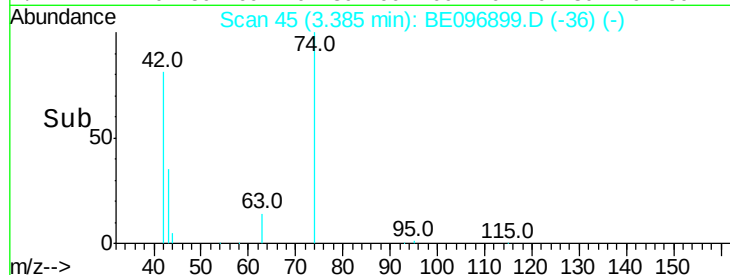
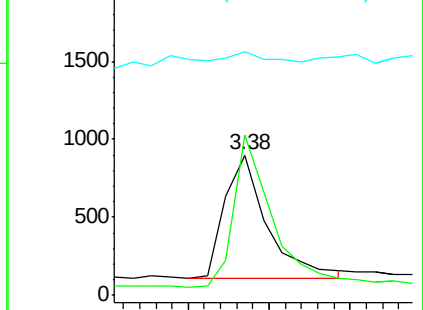
n-Nitrosodimethylamine
Concen: 0.399 ng
RT: 3.38 min Scan# 45
Delta R.T. 0.00 min
Lab File: BE096899.D
Acq: 13 Jul 2018 10:26

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tot Ion: 42 Resp: 1446
Ion Ratio Lower Upper
42 100
74 110.0 96.0 144.0
44 26.7 12.0 18.0#



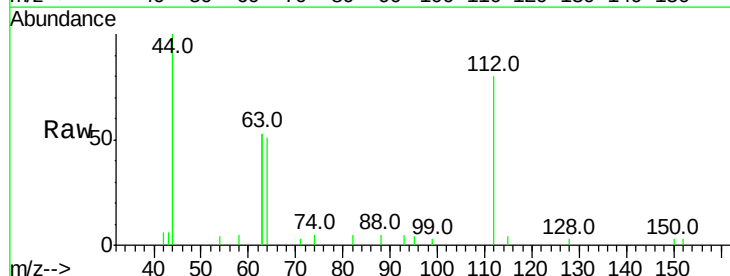
Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



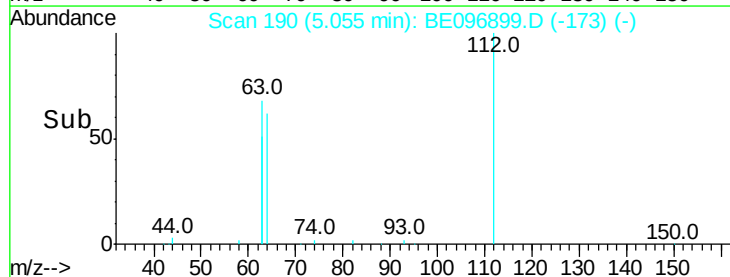
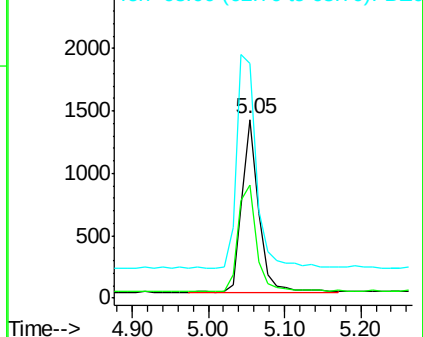
#4

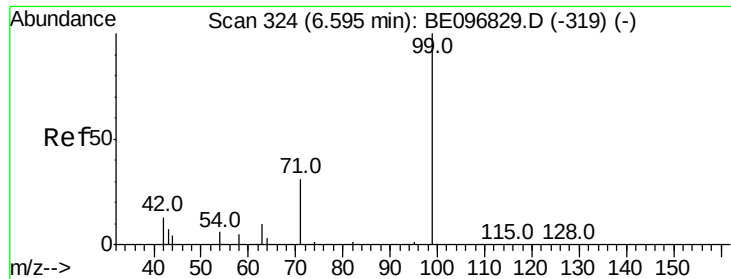
2-Fluorophenol
Concen: 0.416 ng
RT: 5.05 min Scan# 190
Delta R.T. 0.00 min
Lab File: BE096899.D
Acq: 13 Jul 2018 10:26

Tgt Ion: 112 Resp: 2123
Ion Ratio Lower Upper
112 100
64 68.1 60.1 90.1
63 150.8 116.8 175.2



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: 0.425 ng

RT: 6.59 min Scan# 323

Delta R.T. 0.00 min

Lab File: BE096899.D

Acq: 13 Jul 2018 10:26

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

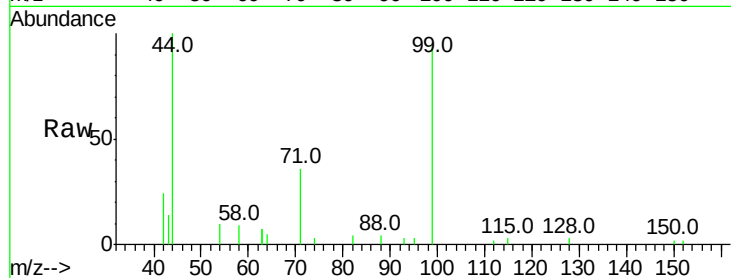
Tot Ion: 99 Resp: 3239

Ion Ratio Lower Upper

99 100

42 24.8 20.2 30.2

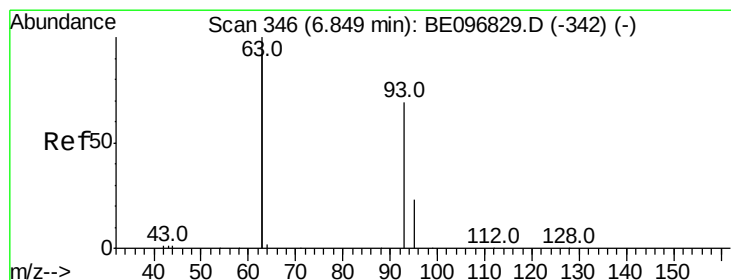
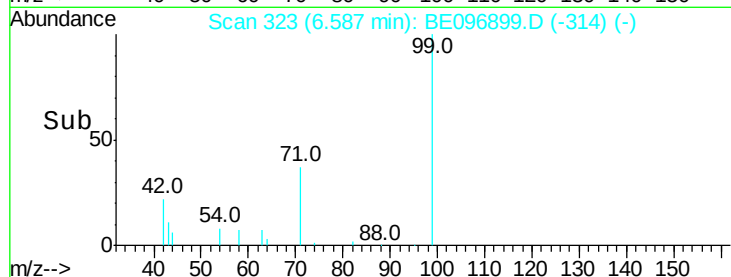
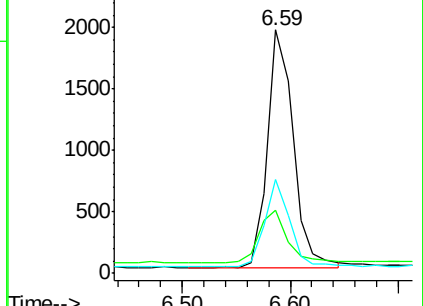
71 35.7 28.4 42.6



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.380 ng

RT: 6.84 min Scan# 345

Delta R.T. 0.00 min

Lab File: BE096899.D

Acq: 13 Jul 2018 10:26

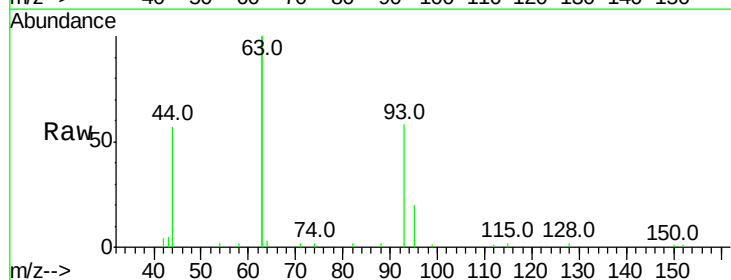
Tgt Ion: 93 Resp: 3170

Ion Ratio Lower Upper

93 100

63 340.0 275.3 412.9

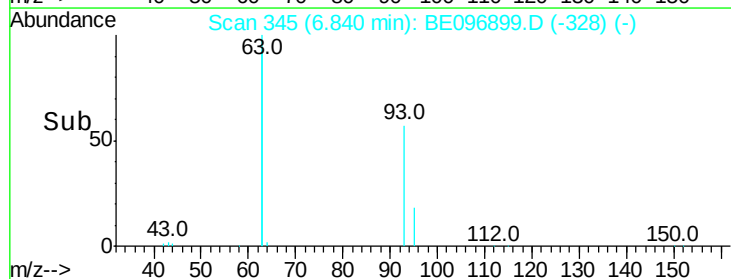
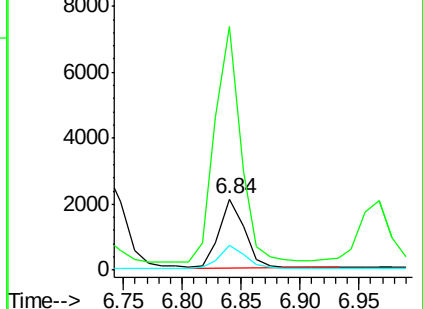
95 32.6 25.2 37.8

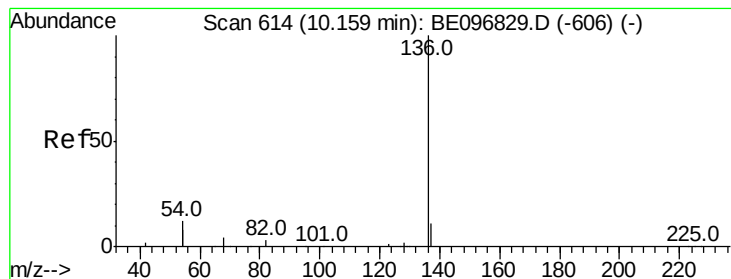


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE096899.D

Acq: 13 Jul 2018 10:26

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

Tot Ion:136 Resp: 12201

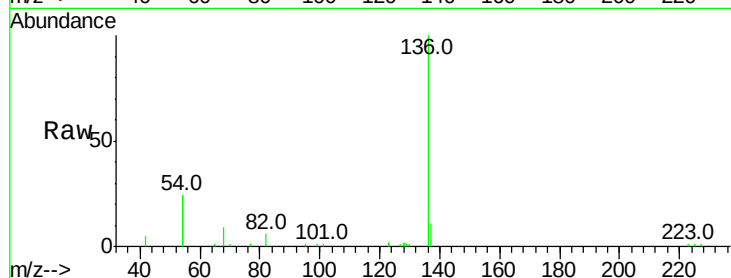
Ion Ratio Lower Upper

136 100

137 11.2 9.5 14.3

54 48.4 29.1 43.7#

68 9.3 6.2 9.2#

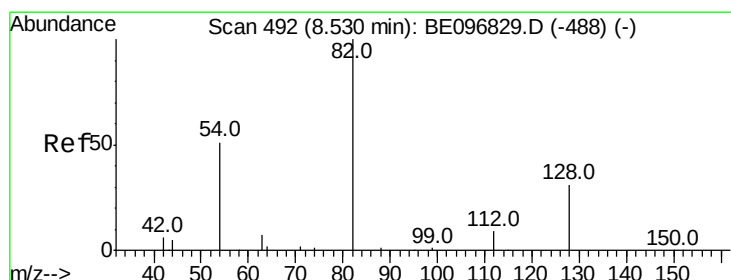
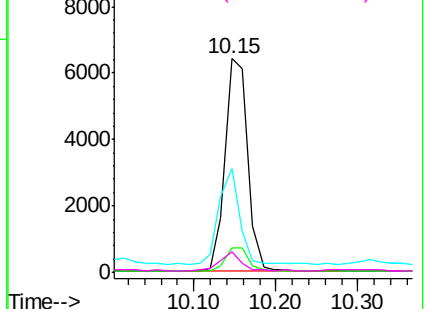
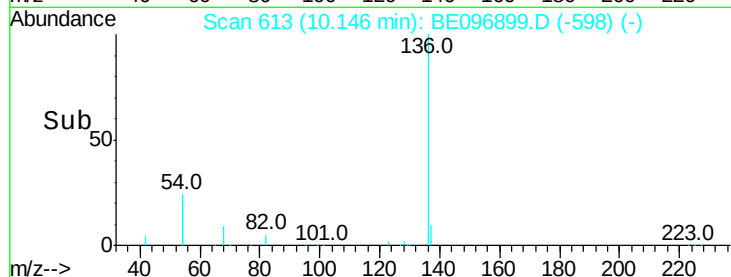


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.455 ng

RT: 8.52 min Scan# 491

Delta R.T. 0.00 min

Lab File: BE096899.D

Acq: 13 Jul 2018 10:26

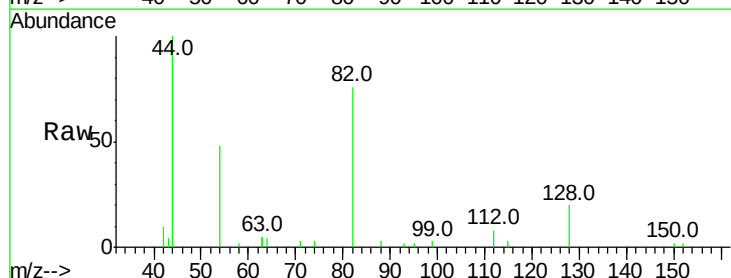
Tgt Ion: 82 Resp: 3358

Ion Ratio Lower Upper

82 100

128 26.6 24.0 36.0

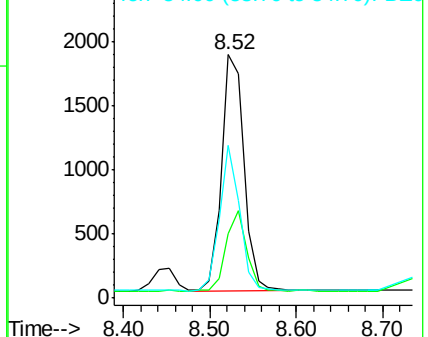
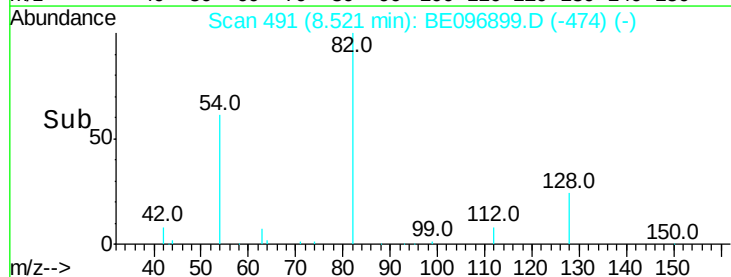
54 62.5 40.0 60.0#

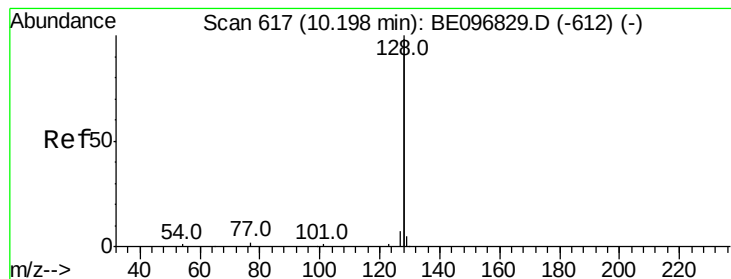


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.394 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.00 min

Lab File: BE096899.D

Acq: 13 Jul 2018 10:26

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

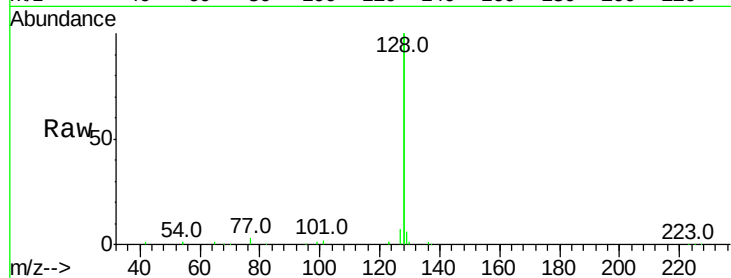
Tot Ion:128 Resp: 43674

Ion Ratio Lower Upper

128 100

129 2.9 2.6 3.8

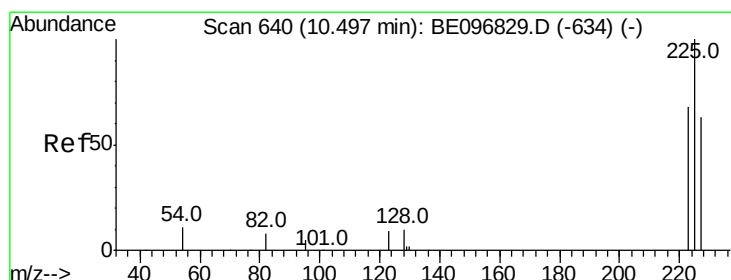
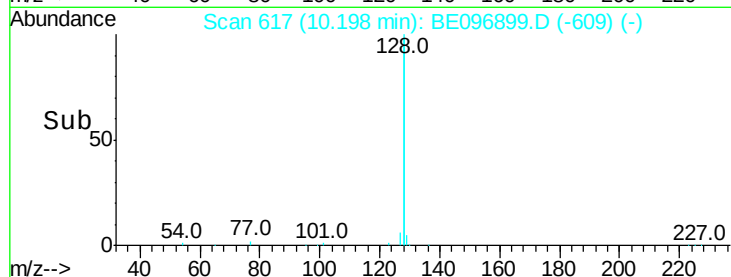
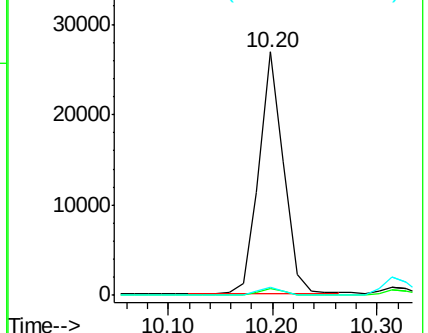
127 3.4 2.8 4.2



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: 0.373 ng

RT: 10.50 min Scan# 640

Delta R.T. 0.00 min

Lab File: BE096899.D

Acq: 13 Jul 2018 10:26

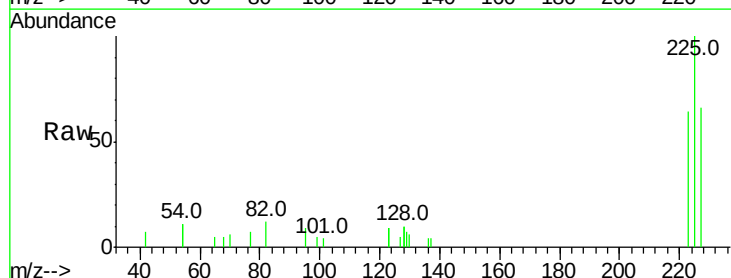
Tgt Ion:225 Resp: 1719

Ion Ratio Lower Upper

225 100

223 62.6 53.0 79.6

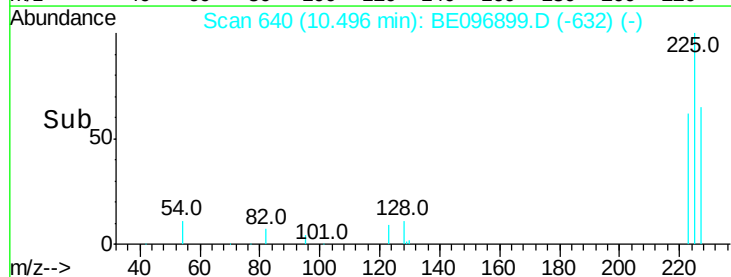
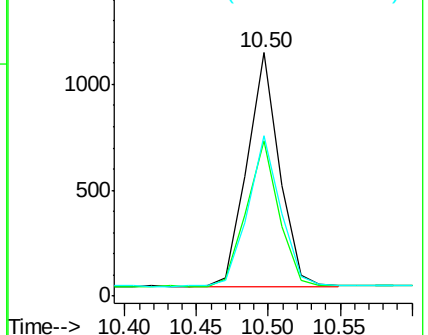
227 65.9 51.4 77.2

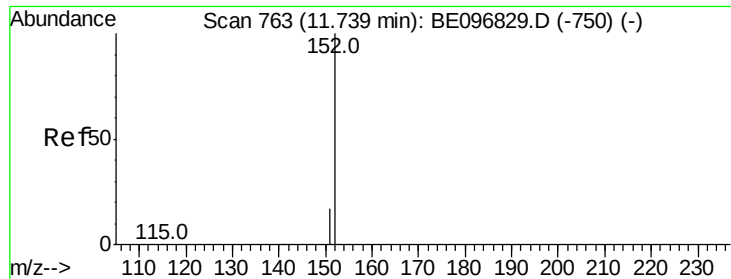


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.408 ng

RT: 11.73 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE096899.D

Acq: 13 Jul 2018 10:26

Instrument :

BNA_E

ClientSampleId :

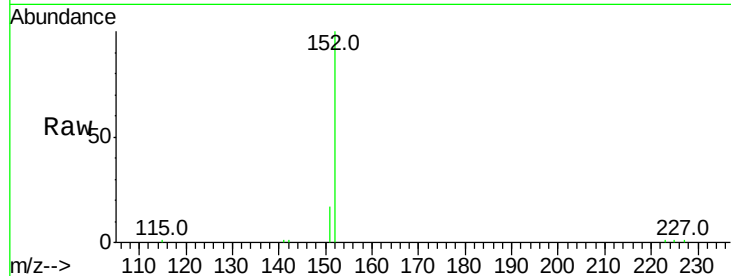
SSTDCCC0.4

Tot Ion:152 Resp: 7168

Ion Ratio Lower Upper

152 100

151 18.9 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

5000

4000

3000

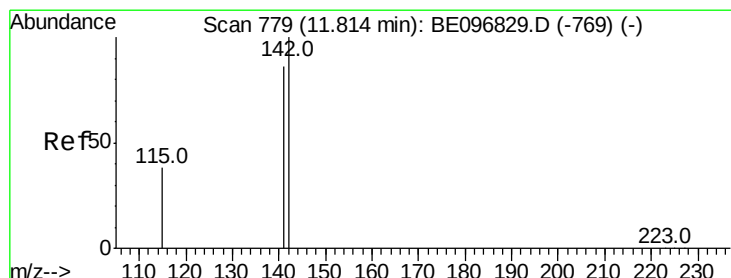
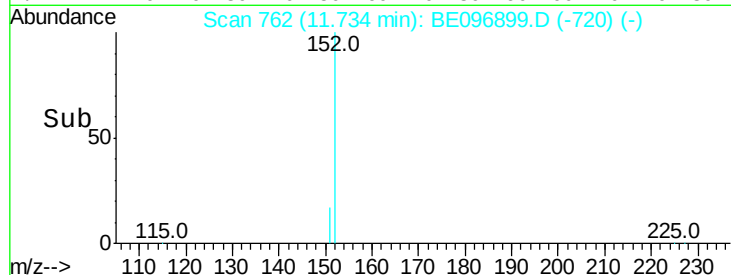
2000

1000

0

Time-->

11.70 11.80



#12

2-Methylnaphthalene

Concen: 0.399 ng

RT: 11.81 min Scan# 778

Delta R.T. 0.00 min

Lab File: BE096899.D

Acq: 13 Jul 2018 10:26

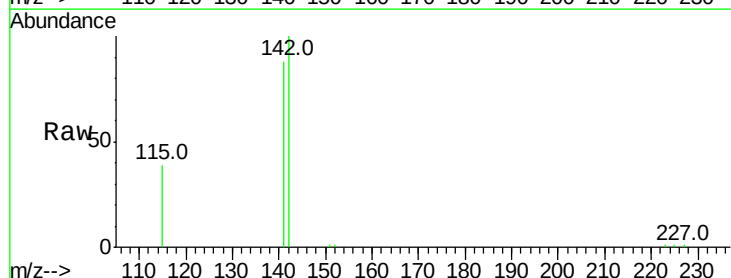
Tgt Ion:142 Resp: 7325

Ion Ratio Lower Upper

142 100

141 88.1 70.4 105.6

115 39.4 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

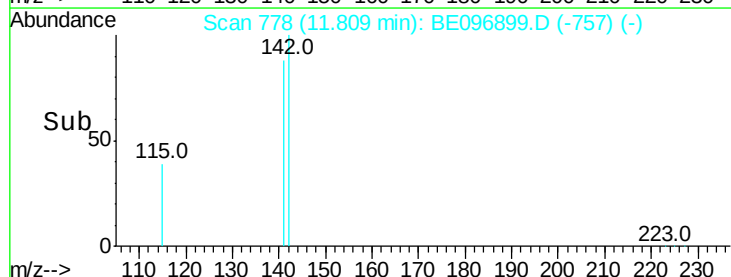
2000

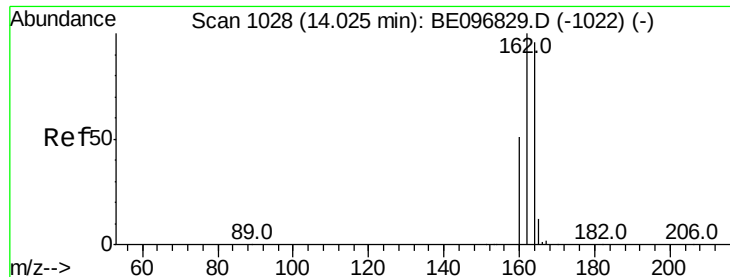
1000

0

Time-->

11.75 11.80 11.85 11.90

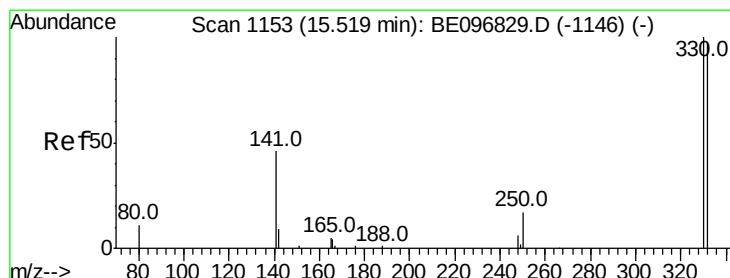
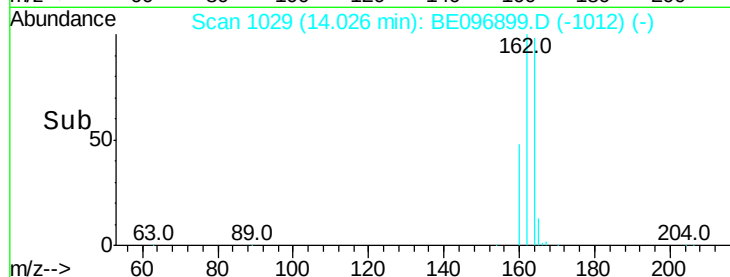
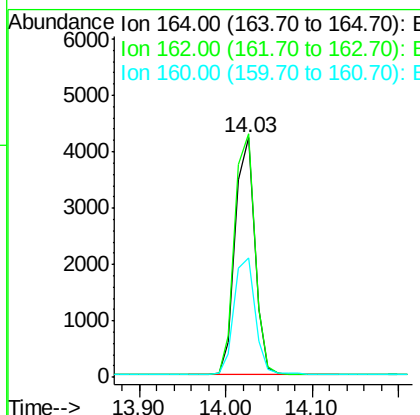
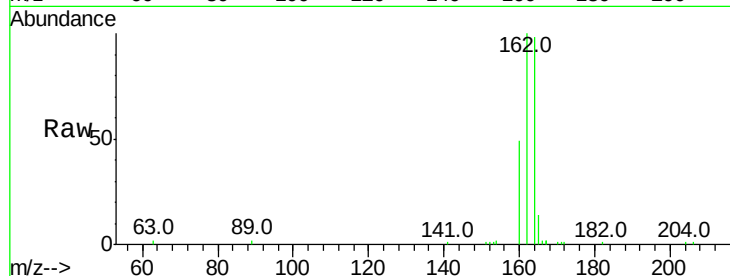




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.03 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BE096899.D
Acq: 13 Jul 2018 10:26

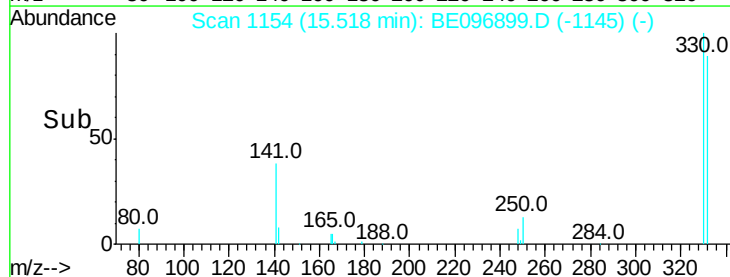
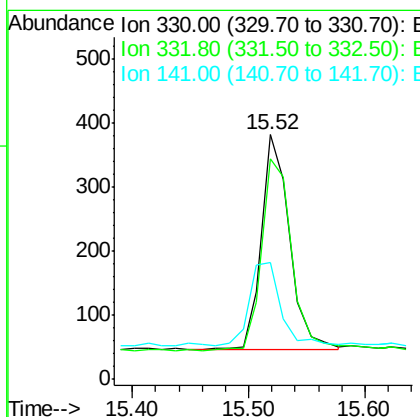
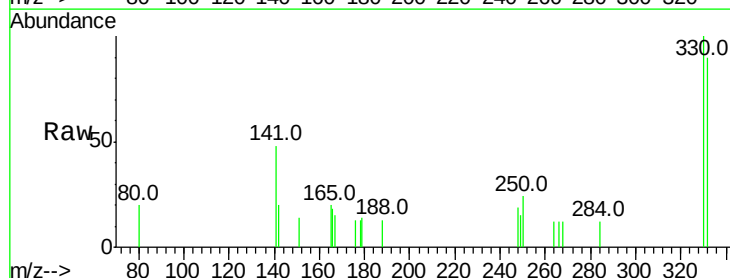
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

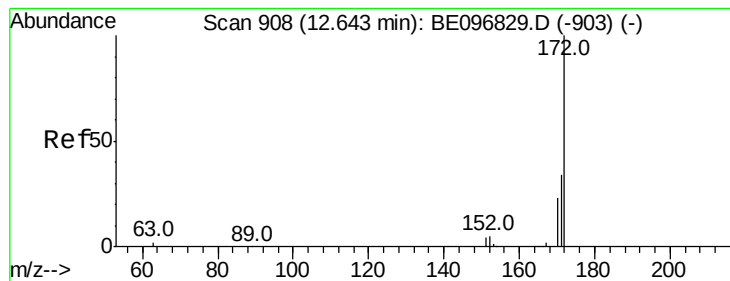
Tot Ion:164 Resp: 6635
Ion Ratio Lower Upper
164 100
162 101.7 83.1 124.7
160 49.7 37.1 55.7



#14
2,4,6-Tribromophenol
Concen: 0.410 ng
RT: 15.52 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BE096899.D
Acq: 13 Jul 2018 10:26

Tgt Ion:330 Resp: 571
Ion Ratio Lower Upper
330 100
332 94.7 152.7 229.1#
141 42.9 33.7 50.5





#15

2-Fluorobiphenyl

Concen: 0.405 ng

RT: 12.64 min Scan# 909

Delta R.T. 0.00 min

Lab File: BE096899.D

Acq: 13 Jul 2018 10:26

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

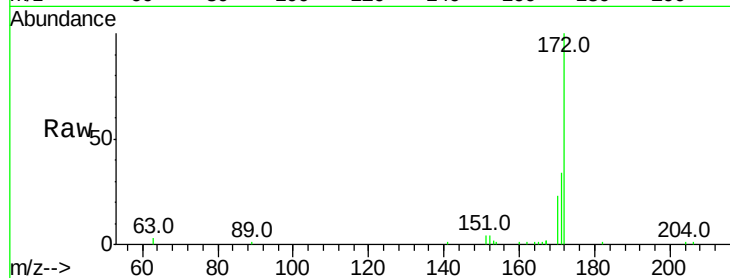
Tot Ion:172 Resp: 9843

Ion Ratio Lower Upper

172 100

171 33.7 29.9 44.9

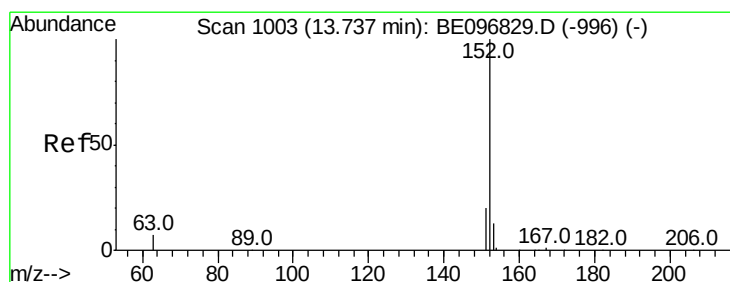
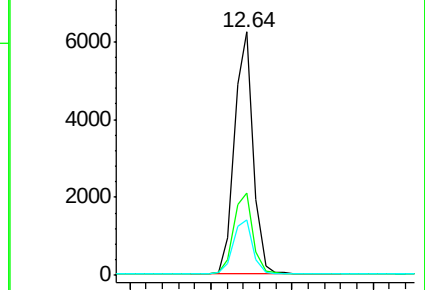
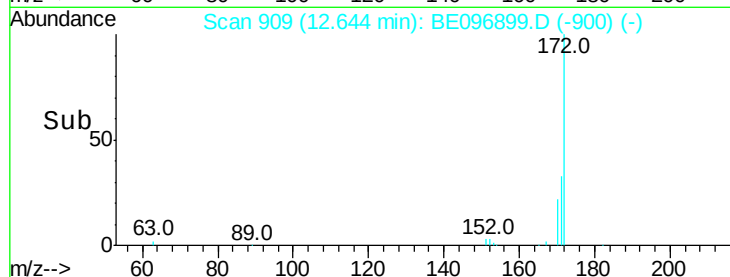
170 22.6 21.8 32.8



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.405 ng

RT: 13.74 min Scan# 1004

Delta R.T. 0.00 min

Lab File: BE096899.D

Acq: 13 Jul 2018 10:26

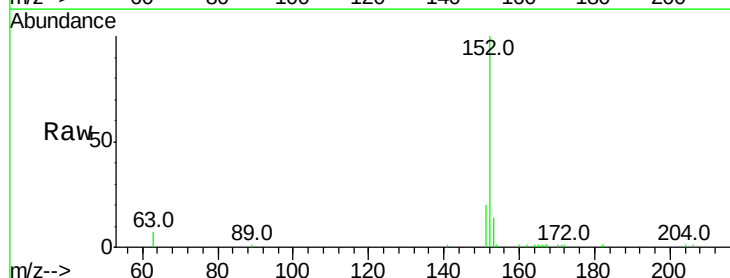
Tgt Ion:152 Resp: 11665

Ion Ratio Lower Upper

152 100

151 19.7 15.7 23.5

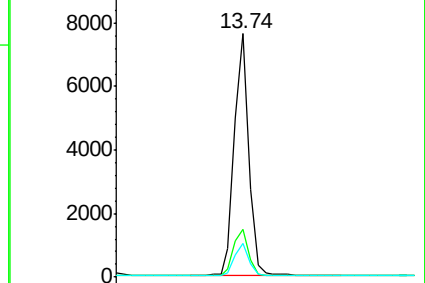
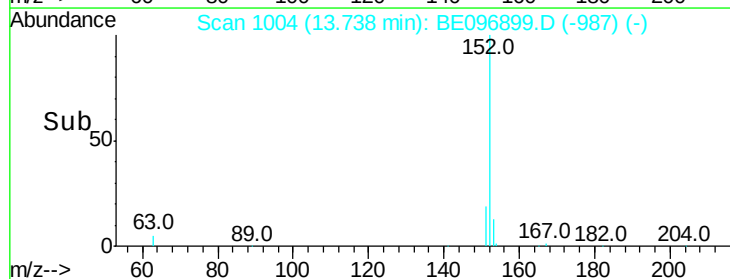
153 13.2 10.5 15.7

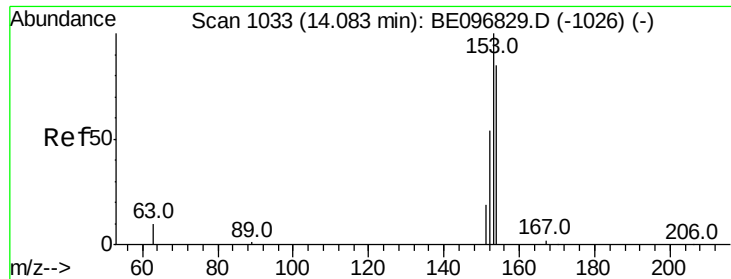


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.392 ng

RT: 14.08 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BE096899.D

Acq: 13 Jul 2018 10:26

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

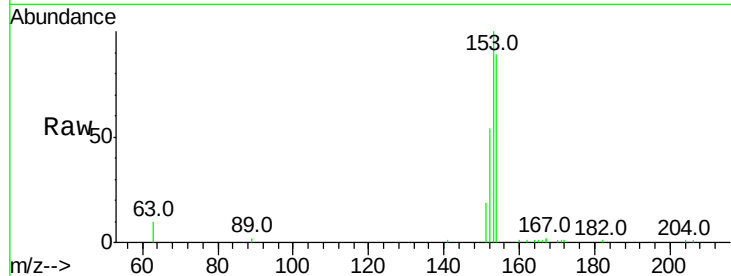
Tot Ion:154 Resp: 7459

Ion Ratio Lower Upper

154 100

153 113.6 89.2 133.8

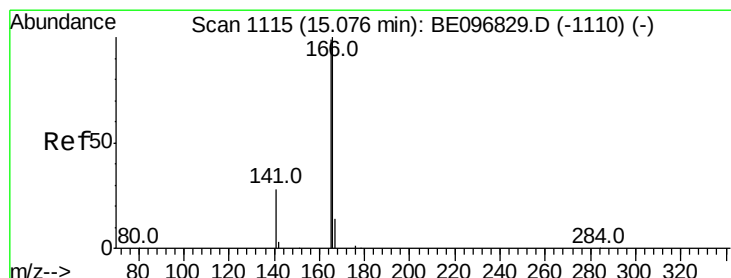
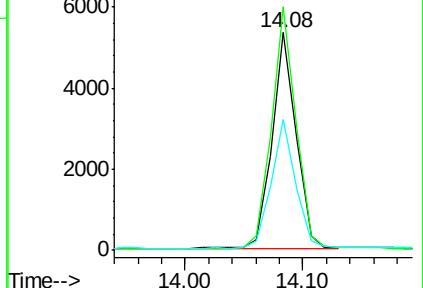
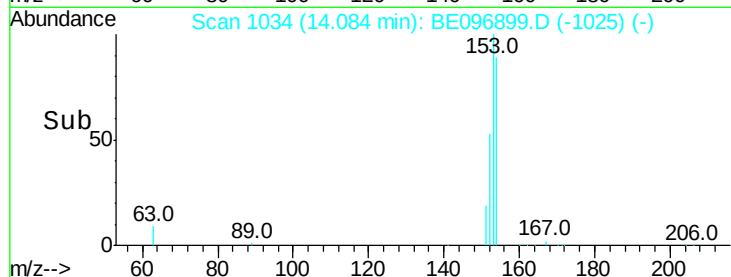
152 60.8 42.0 63.0



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: 0.369 ng

RT: 15.08 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE096899.D

Acq: 13 Jul 2018 10:26

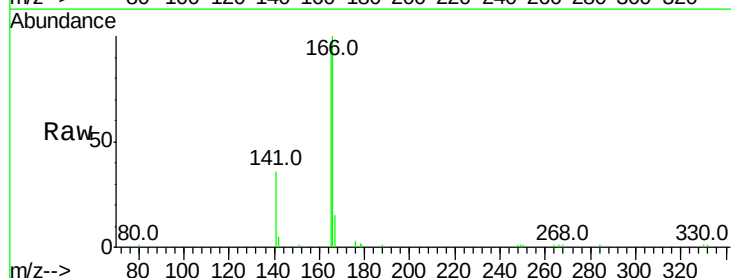
Tgt Ion:166 Resp: 8255

Ion Ratio Lower Upper

166 100

165 98.3 77.8 116.6

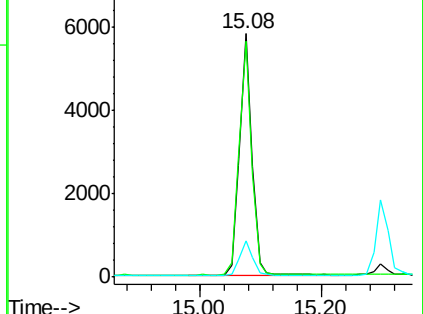
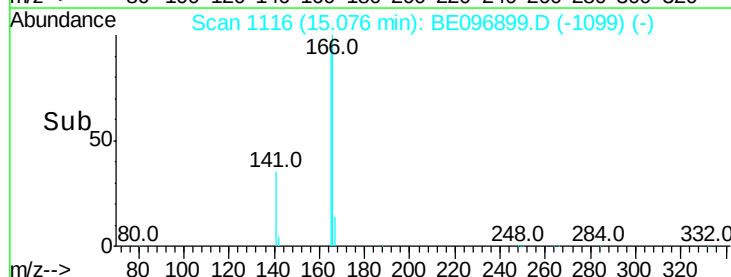
167 14.9 42.4 63.6#

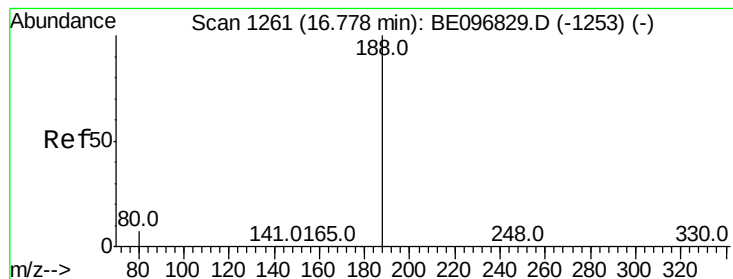


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.77 min Scan# 1261

Delta R.T. 0.00 min

Lab File: BE096899.D

Acq: 13 Jul 2018 10:26

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

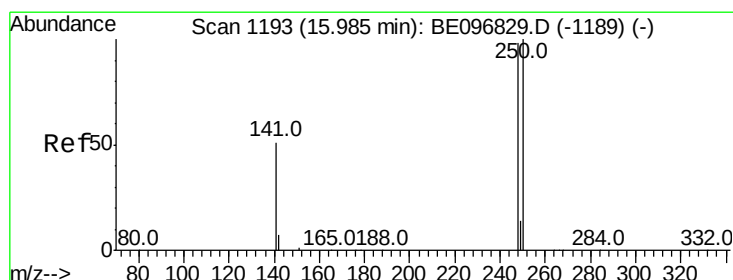
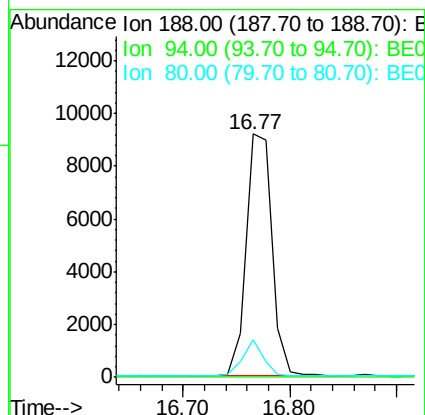
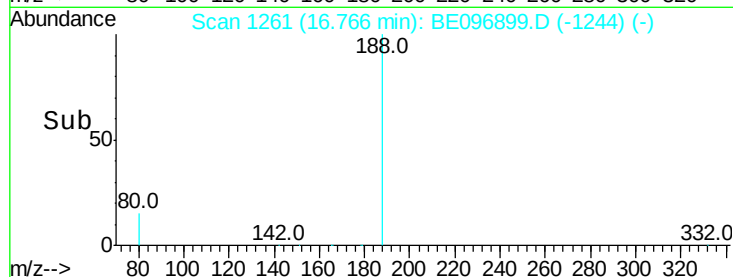
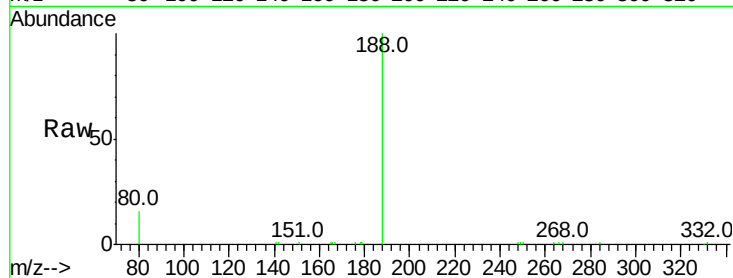
Tot Ion:188 Resp: 15360

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 15.6 3.6 5.4#



#20

4-Bromophenyl-phenylether

Concen: 0.409 ng

RT: 15.98 min Scan# 1194

Delta R.T. 0.00 min

Lab File: BE096899.D

Acq: 13 Jul 2018 10:26

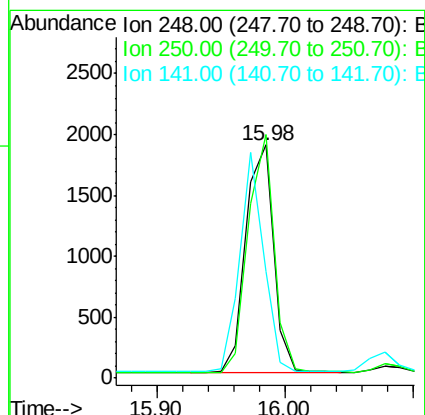
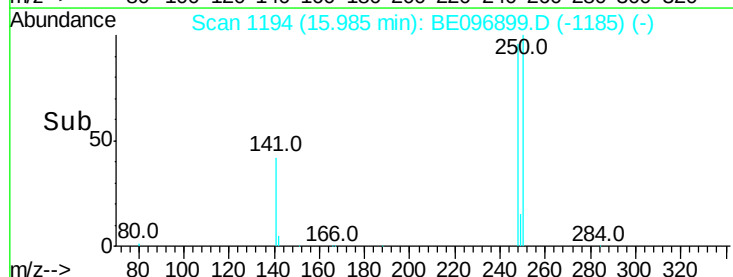
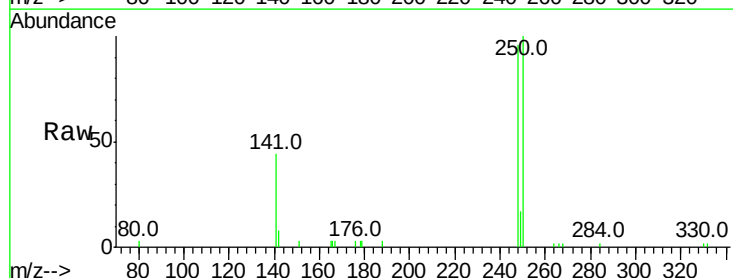
Tgt Ion:248 Resp: 2835

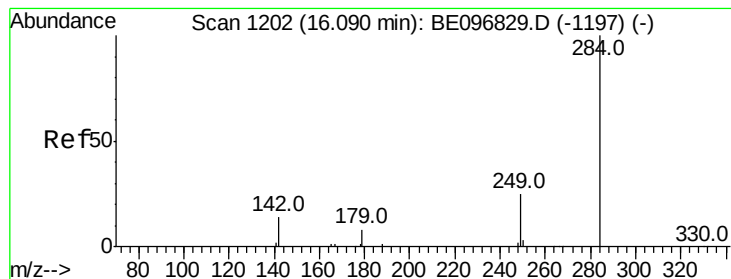
Ion Ratio Lower Upper

248 100

250 104.4 62.7 94.1#

141 45.8 48.2 72.2#





#21

Hexachlorobenzene

Concen: 0.421 ng

RT: 16.09 min Scan# 1203

Delta R.T. 0.00 min

Lab File: BE096899.D

Acq: 13 Jul 2018 10:26

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

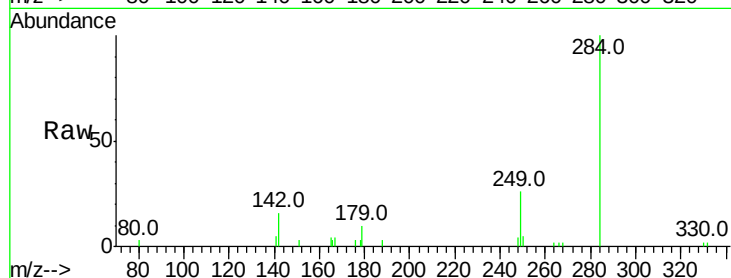
Tot Ion:284 Resp: 3324

Ion Ratio Lower Upper

284 100

142 39.1 22.1 33.1#

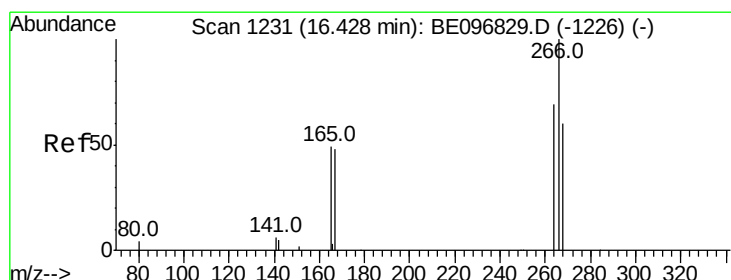
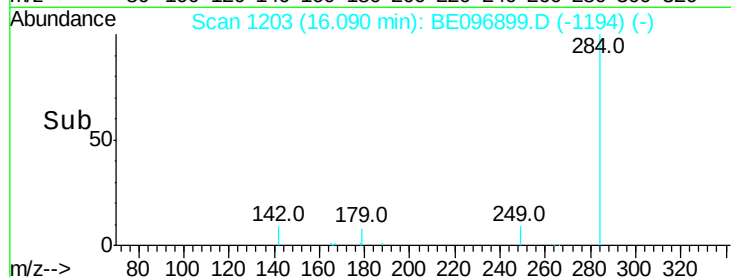
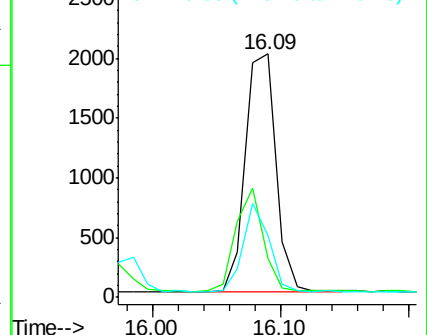
249 31.1 34.8 52.2#



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: 0.466 ng

RT: 16.43 min Scan# 1232

Delta R.T. 0.00 min

Lab File: BE096899.D

Acq: 13 Jul 2018 10:26

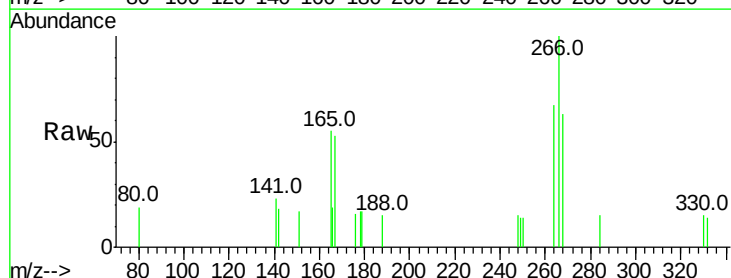
Tgt Ion:266 Resp: 563

Ion Ratio Lower Upper

266 100

264 67.2 72.5 108.7#

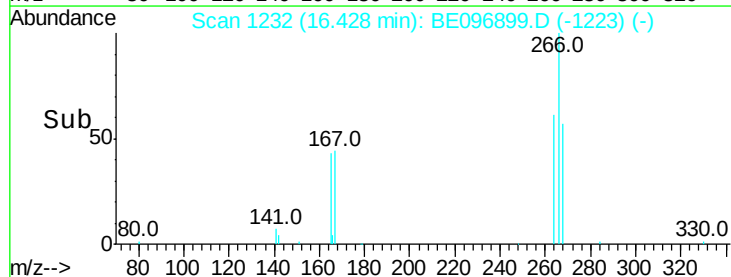
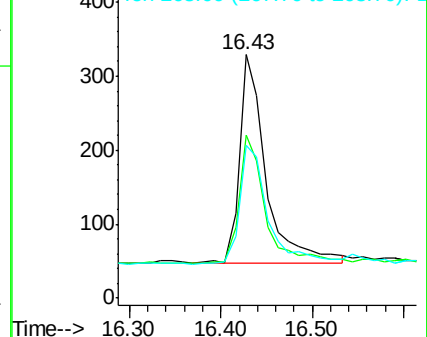
268 62.9 73.8 110.6#

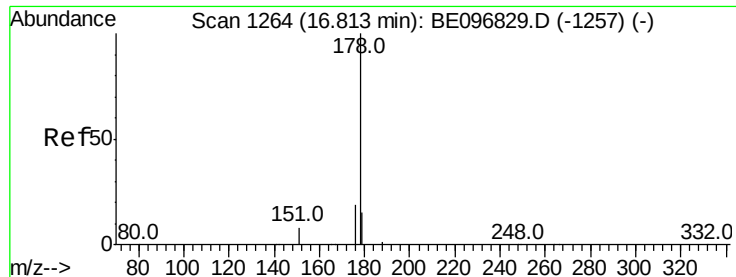


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.390 ng

RT: 16.81 min Scan# 1265

Delta R.T. 0.00 min

Lab File: BE096899.D

Acq: 13 Jul 2018 10:26

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

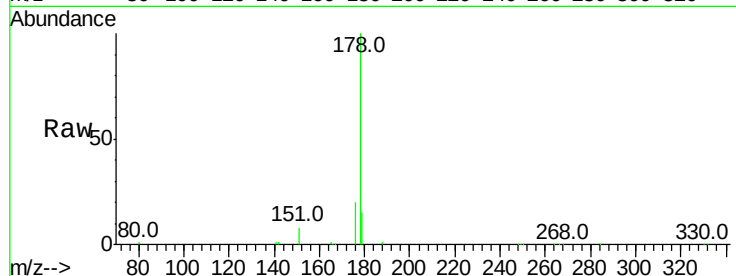
Tot Ion:178 Resp: 14722

Ion Ratio Lower Upper

178 100

176 19.6 15.1 22.7

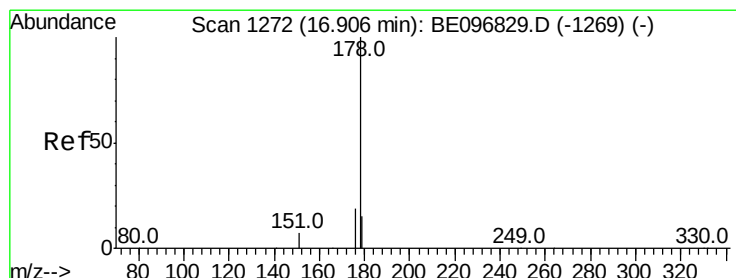
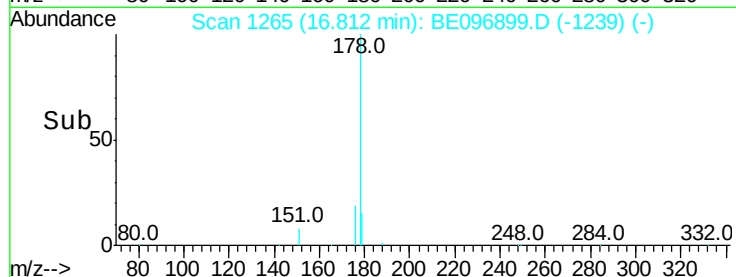
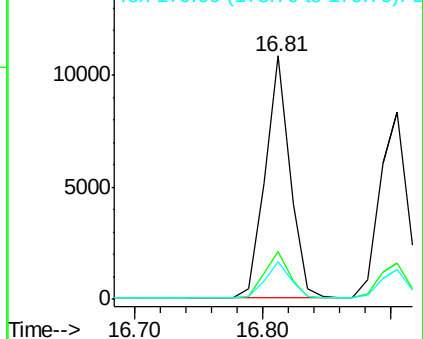
179 15.3 11.8 17.6



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: 0.400 ng

RT: 16.91 min Scan# 1273

Delta R.T. 0.00 min

Lab File: BE096899.D

Acq: 13 Jul 2018 10:26

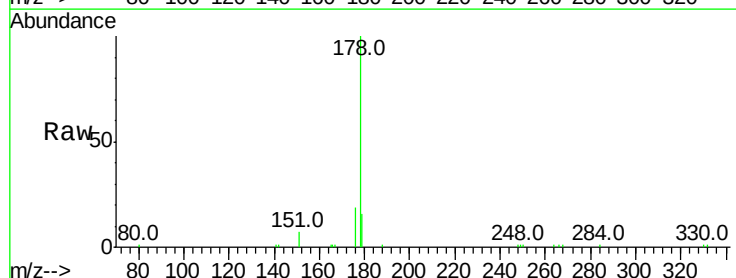
Tgt Ion:178 Resp: 12525

Ion Ratio Lower Upper

178 100

176 18.9 12.8 19.2

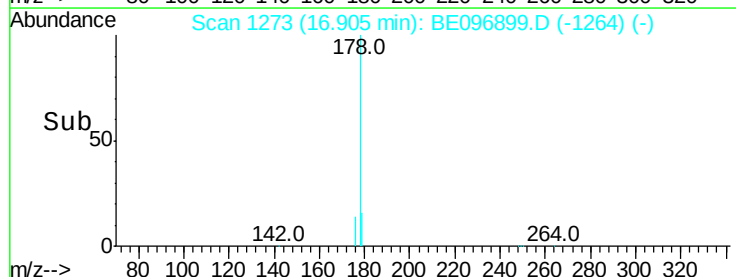
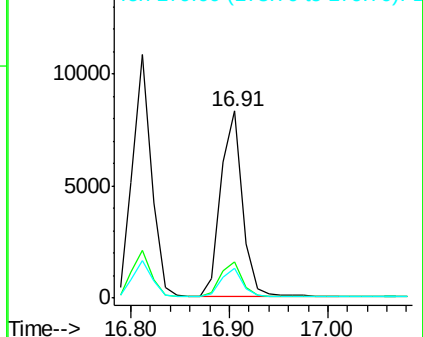
179 15.2 13.0 19.6

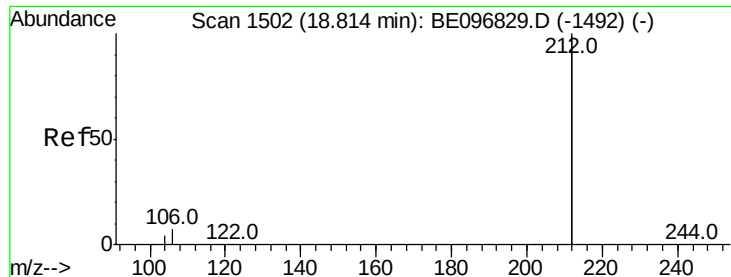


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.397 ng

RT: 18.81 min Scan# 1503

Delta R.T. 0.00 min

Lab File: BE096899.D

Acq: 13 Jul 2018 10:26

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

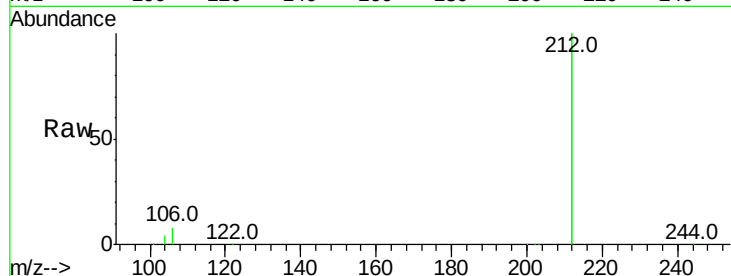
Tot Ion:212 Resp: 53668

Ion Ratio Lower Upper

212 100

106 3.5 2.8 4.2

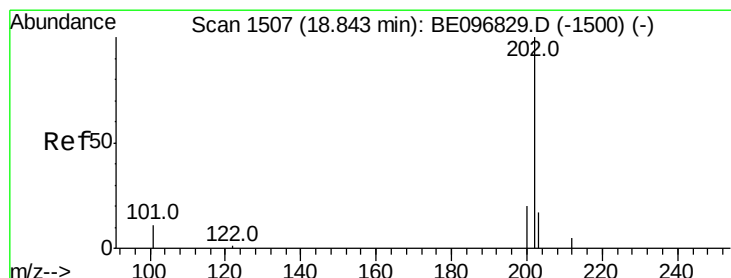
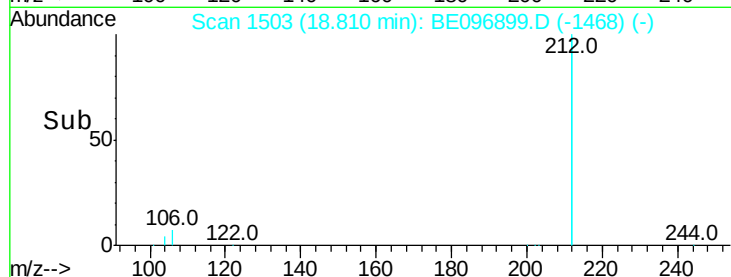
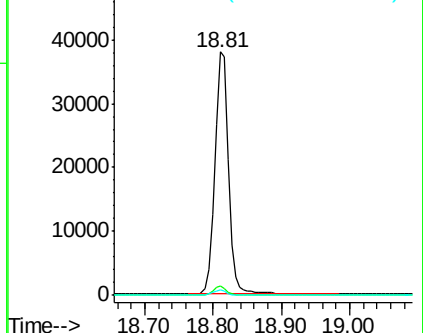
104 1.9 1.6 2.4



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: 0.406 ng

RT: 18.84 min Scan# 1508

Delta R.T. 0.00 min

Lab File: BE096899.D

Acq: 13 Jul 2018 10:26

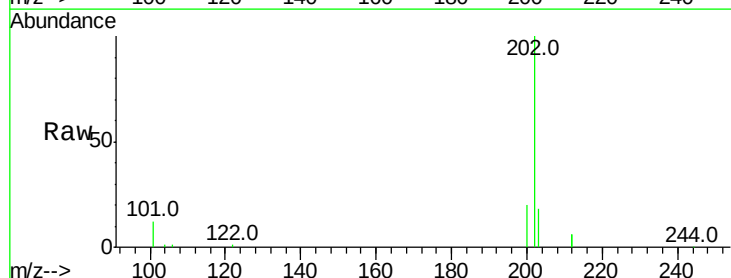
Tgt Ion:202 Resp: 15508

Ion Ratio Lower Upper

202 100

101 11.4 9.8 14.8

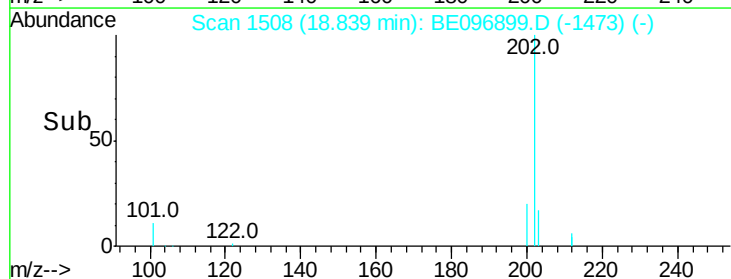
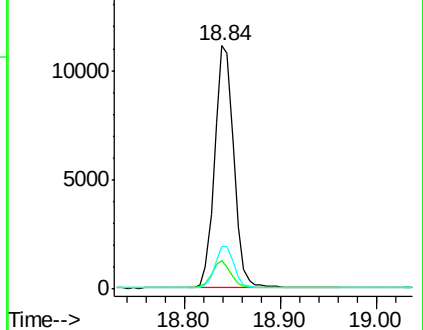
203 17.2 13.7 20.5

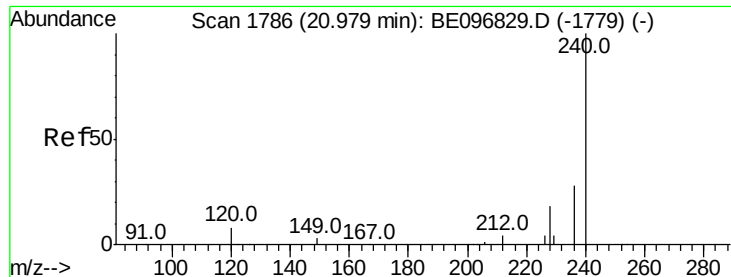


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE096899.D

Acq: 13 Jul 2018 10:26

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

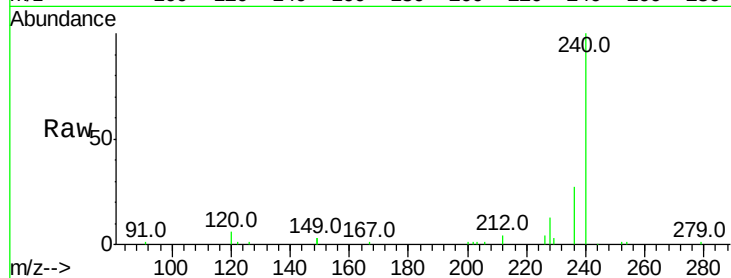
Tot Ion:240 Resp: 13880

Ion Ratio Lower Upper

240 100

120 6.1 5.5 8.3

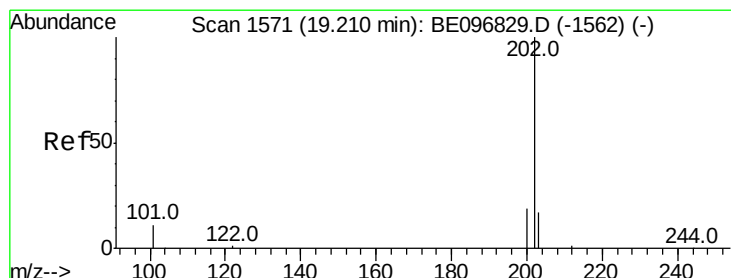
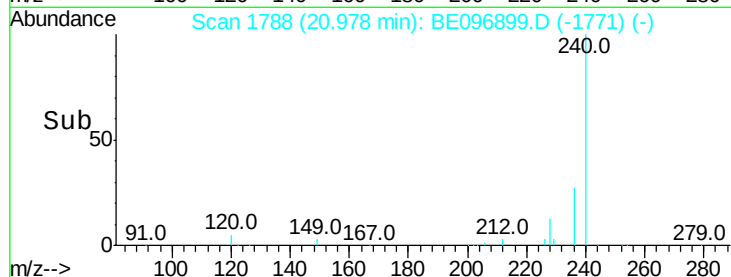
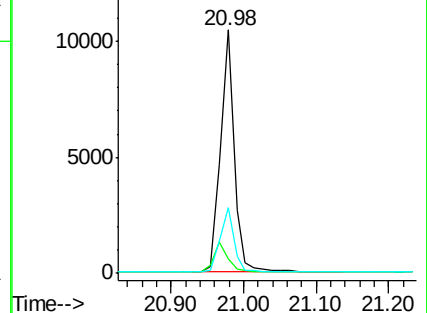
236 27.0 20.7 31.1



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: 0.400 ng

RT: 19.21 min Scan# 1572

Delta R.T. 0.00 min

Lab File: BE096899.D

Acq: 13 Jul 2018 10:26

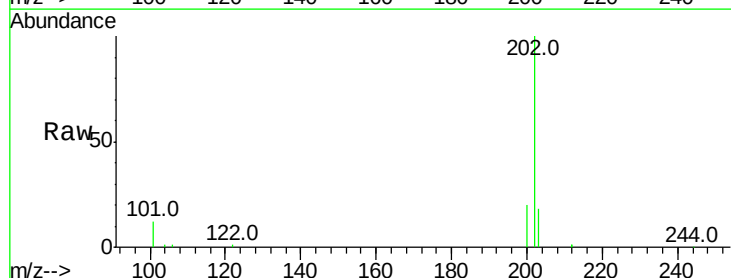
Tgt Ion:202 Resp: 16080

Ion Ratio Lower Upper

202 100

200 19.6 16.6 25.0

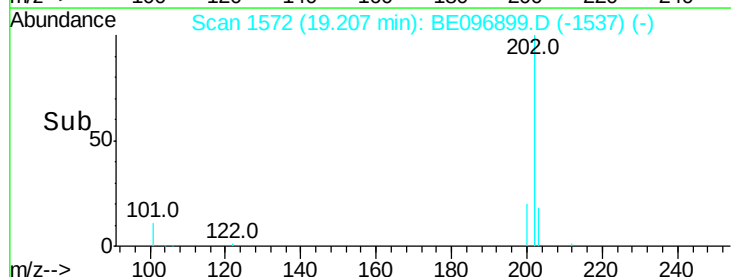
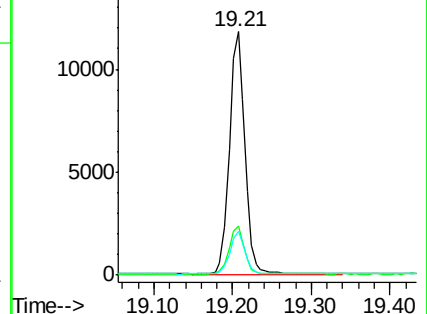
203 17.4 13.8 20.8

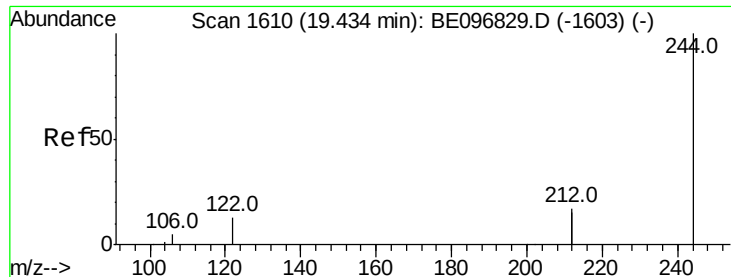


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.389 ng

RT: 19.43 min Scan# 1611

Delta R.T. 0.00 min

Lab File: BE096899.D

Acq: 13 Jul 2018 10:26

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

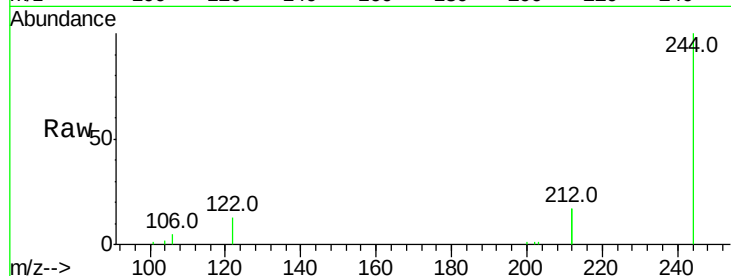
Tot Ion:244 Resp: 10417

Ion Ratio Lower Upper

244 100

212 33.6 25.4 38.0

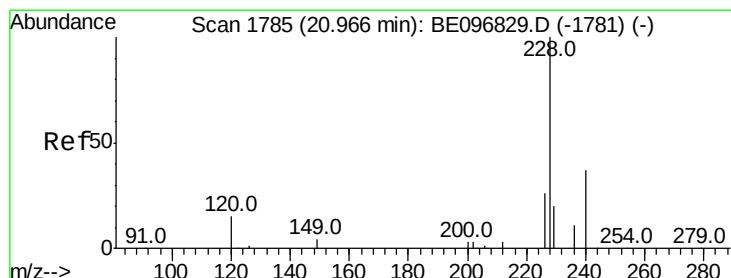
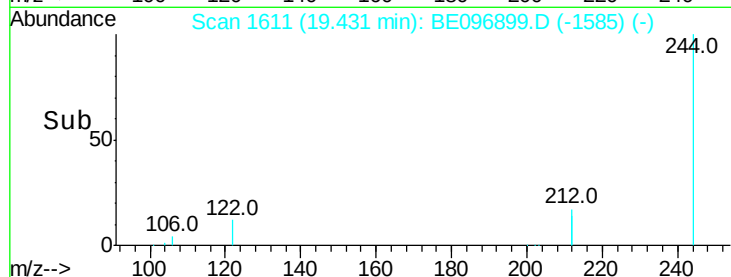
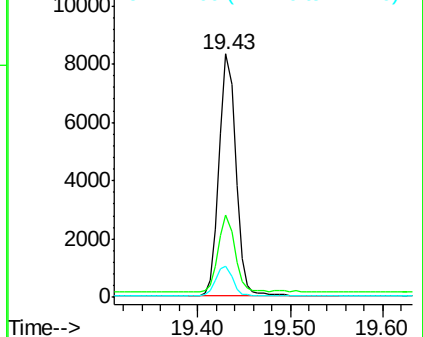
122 12.7 8.1 12.1#



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: 0.404 ng

RT: 20.97 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BE096899.D

Acq: 13 Jul 2018 10:26

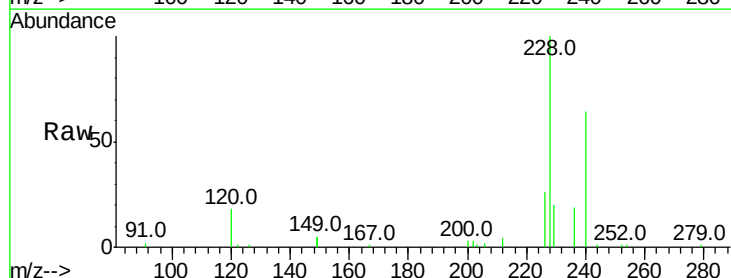
Tgt Ion:228 Resp: 12442

Ion Ratio Lower Upper

228 100

226 26.1 24.0 36.0

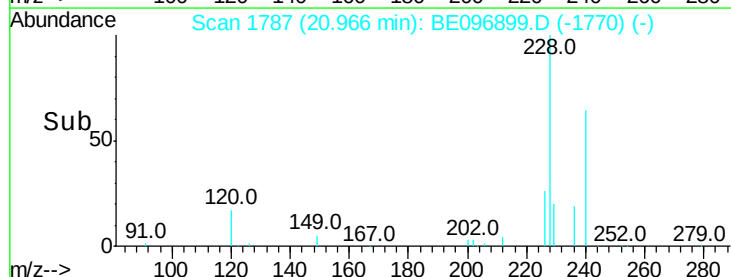
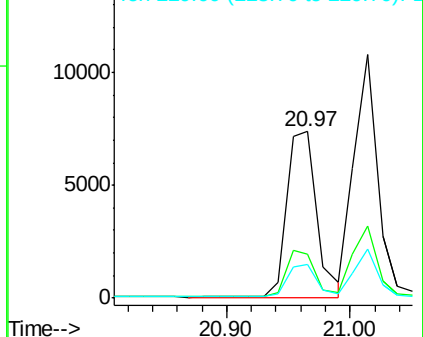
229 20.4 16.0 24.0

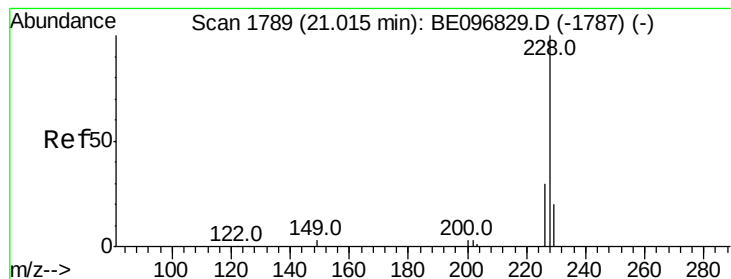


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.375 ng

RT: 21.01 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BE096899.D

Acq: 13 Jul 2018 10:26

Instrument :

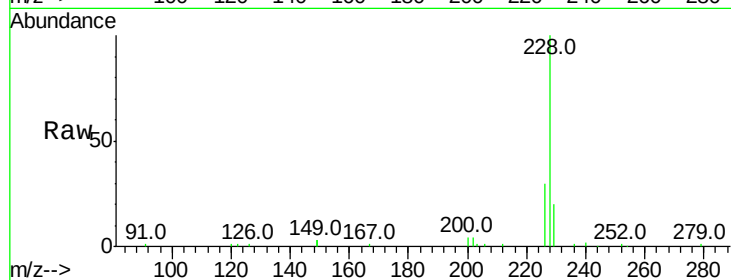
BNA_E

ClientSampleId :

SSTDCCC0.4

Tot Ion:228 Resp: 14251

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.0	36.0
229	20.1	16.0	24.0

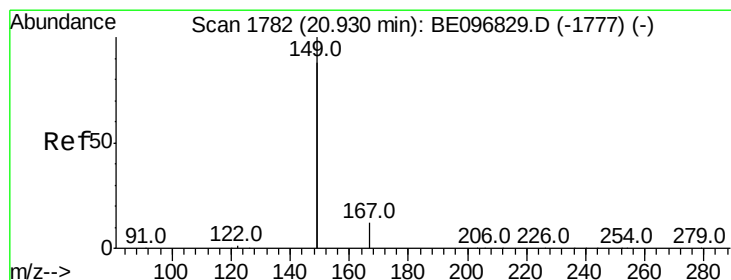
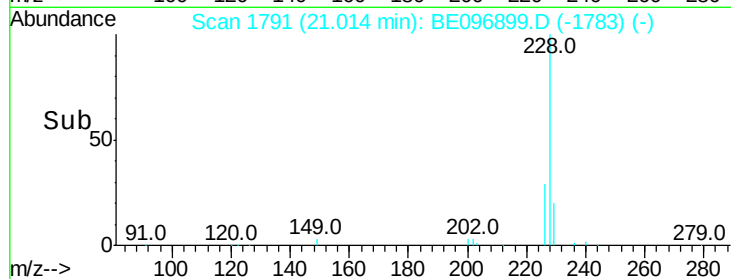
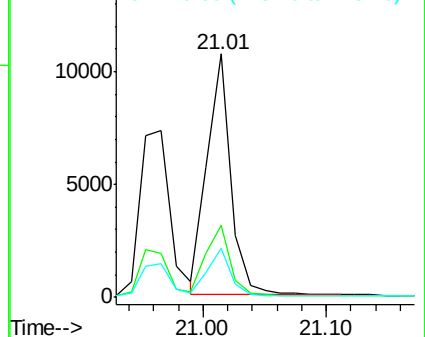


Abundance

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: 0.405 ng

RT: 20.93 min Scan# 1784

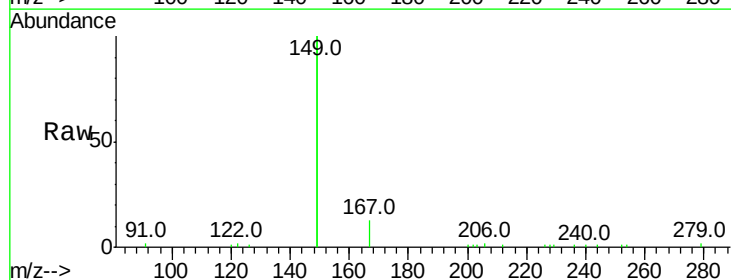
Delta R.T. 0.00 min

Lab File: BE096899.D

Acq: 13 Jul 2018 10:26

Tgt Ion:149 Resp: 11157

Ion	Ratio	Lower	Upper
149	100		
167	6.2	5.4	8.0
279	0.9	0.7	1.1

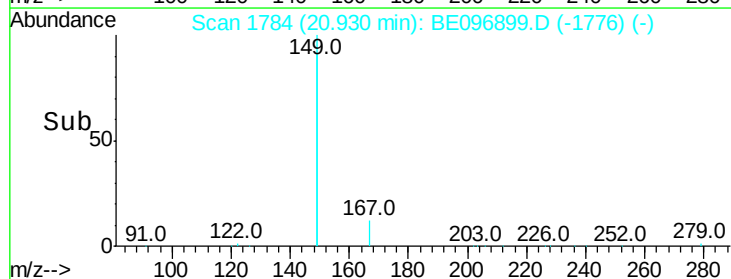
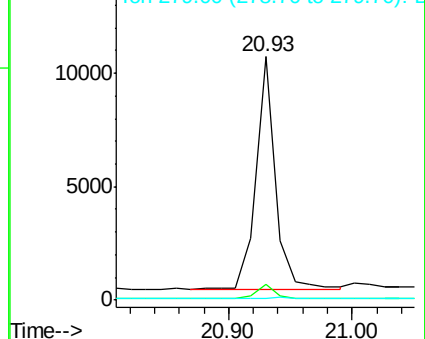


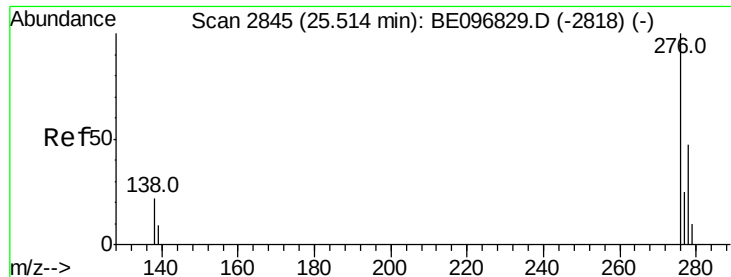
Abundance

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

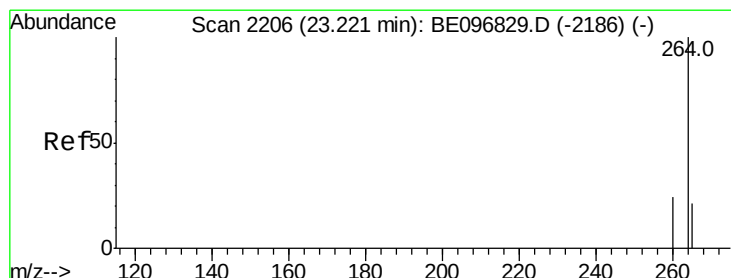
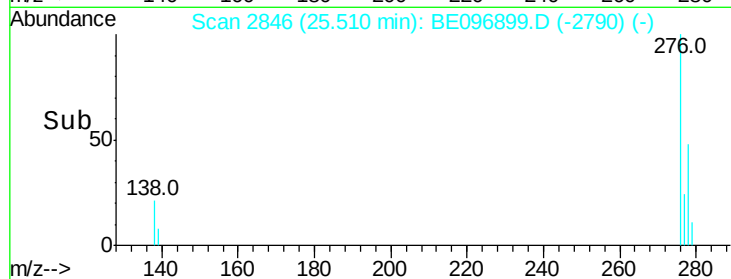
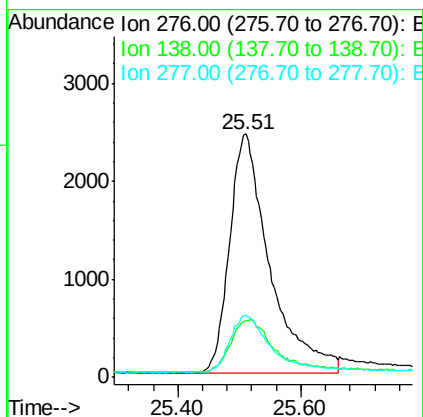
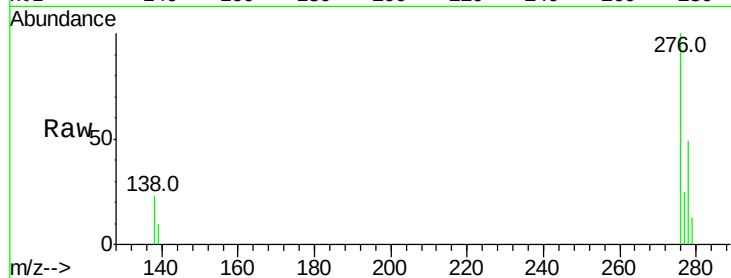




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.390 ng
 RT: 25.51 min Scan# 2846
 Delta R.T. 0.00 min
 Lab File: BE096899.D
 Acq: 13 Jul 2018 10:26

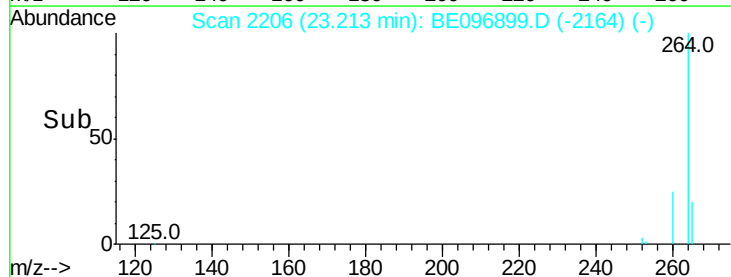
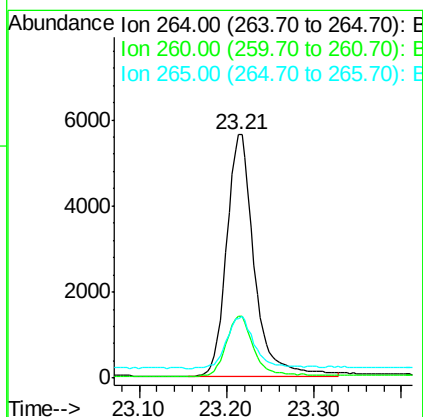
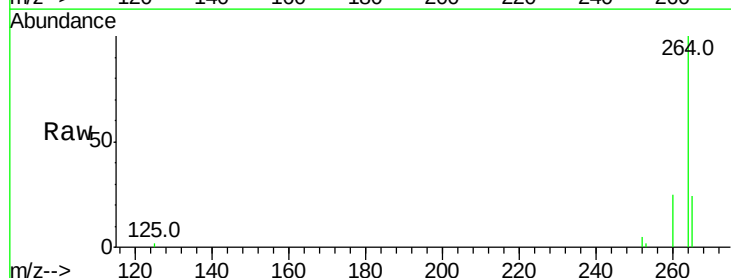
Instrument :
 BNA_E
 ClientSampleId :
 SSTCCCC0.4

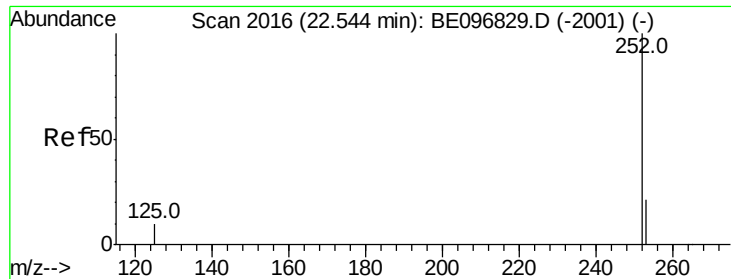
Tot Ion:276 Resp: 11010
 Ion Ratio Lower Upper
 276 100
 138 24.0 22.5 33.7
 277 24.7 19.9 29.9



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.21 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: BE096899.D
 Acq: 13 Jul 2018 10:26

Tgt Ion:264 Resp: 12321
 Ion Ratio Lower Upper
 264 100
 260 25.4 20.5 30.7
 265 24.4 22.8 34.2

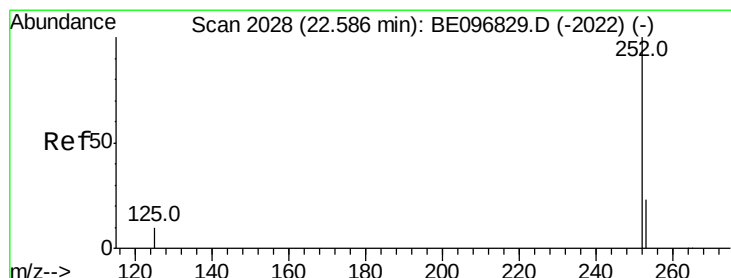
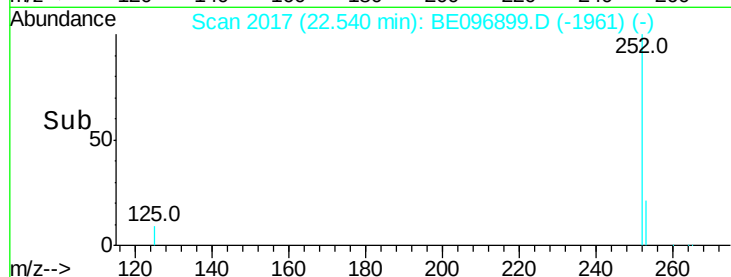
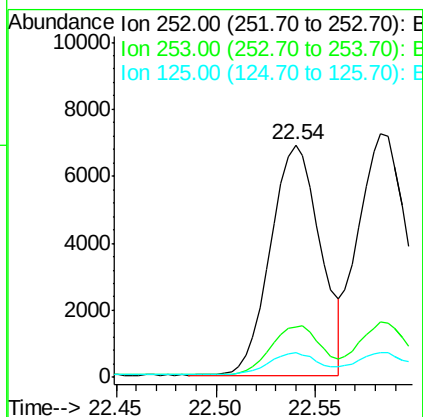
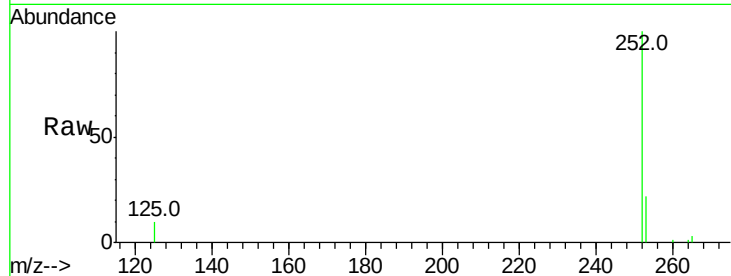




#35
Benzo(b)fluoranthene
Concen: 0.355 ng
RT: 22.54 min Scan# 2017
Delta R.T. 0.00 min
Lab File: BE096899.D
Acq: 13 Jul 2018 10:26

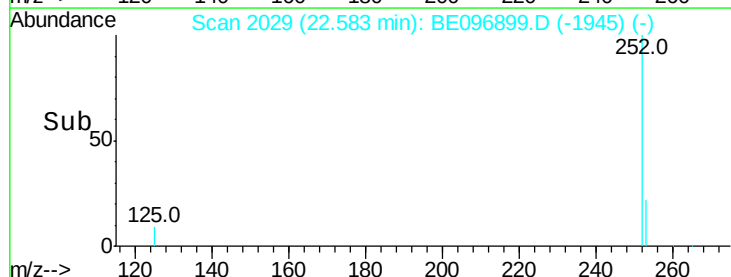
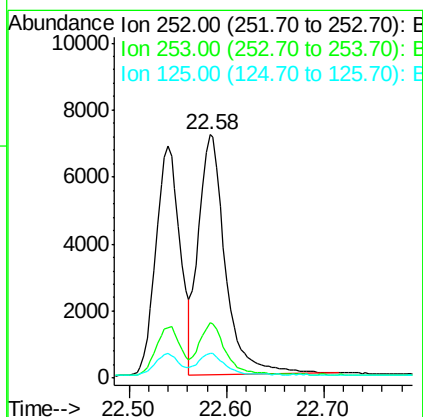
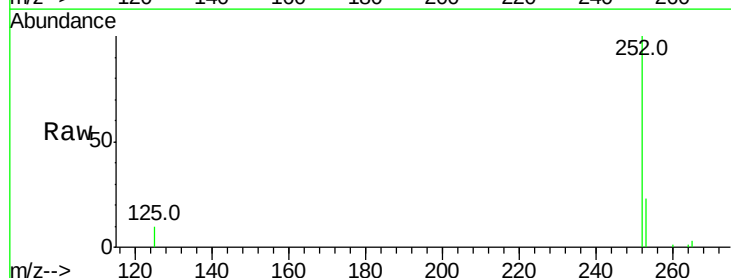
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

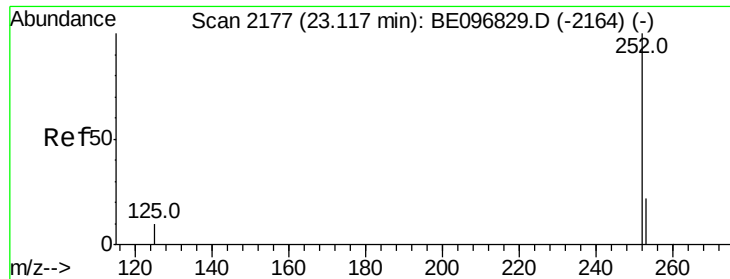
Tot Ion:252 Resp: 11925
Ion Ratio Lower Upper
252 100
253 21.9 20.0 30.0
125 10.4 16.0 24.0#



#36
Benzo(k)fluoranthene
Concen: 0.374 ng
RT: 22.58 min Scan# 2029
Delta R.T. 0.00 min
Lab File: BE096899.D
Acq: 13 Jul 2018 10:26

Tgt Ion:252 Resp: 13701
Ion Ratio Lower Upper
252 100
253 22.9 16.0 24.0
125 10.0 8.0 12.0





#37

Benzo(a)pyrene

Concen: 0.396 ng

RT: 23.11 min Scan# 2178

Delta R.T. 0.00 min

Lab File: BE096899.D

Acq: 13 Jul 2018 10:26

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

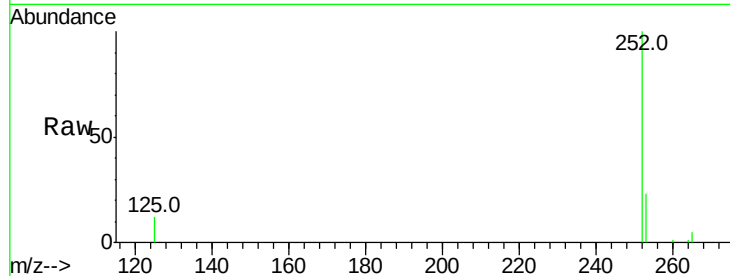
Tot Ion:252 Resp: 10567

Ion Ratio Lower Upper

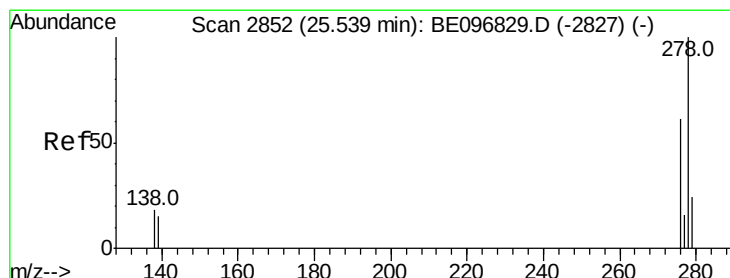
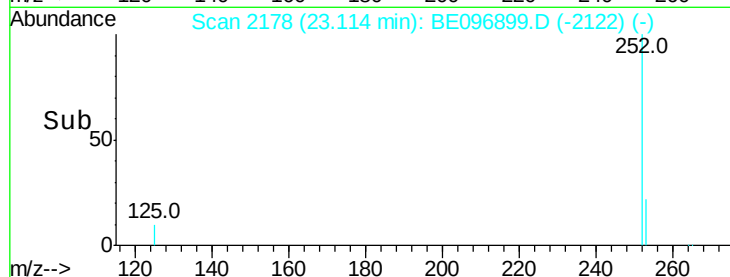
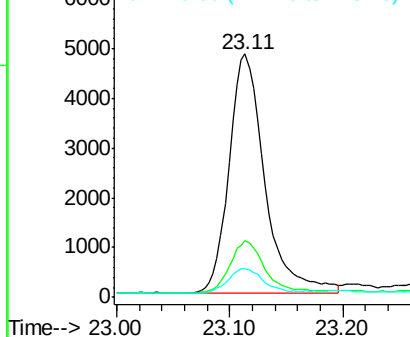
252 100

253 23.3 16.0 24.0

125 11.9 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: 0.364 ng

RT: 25.53 min Scan# 2851

Delta R.T. 0.00 min

Lab File: BE096899.D

Acq: 13 Jul 2018 10:26

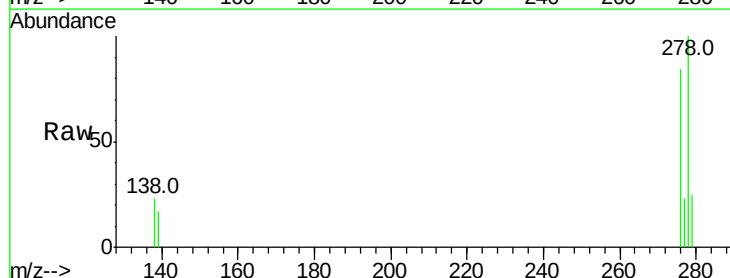
Tgt Ion:278 Resp: 9182

Ion Ratio Lower Upper

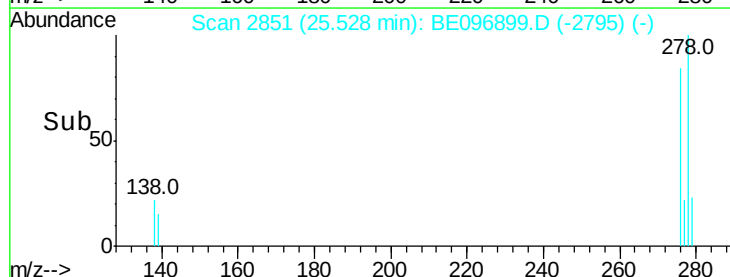
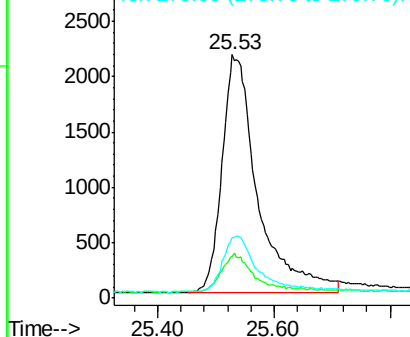
278 100

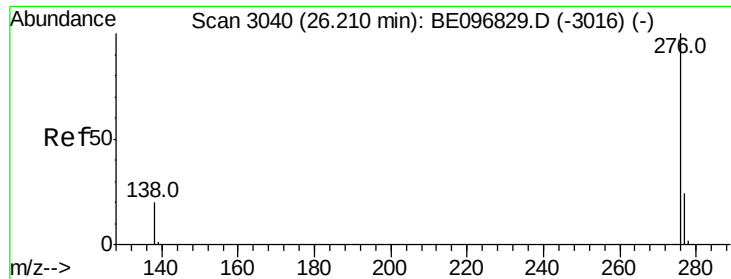
139 17.1 16.0 24.0

279 24.9 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: 0.336 ng

RT: 26.21 min Scan# 3041

Delta R.T. 0.00 min

Lab File: BE096899.D

Acq: 13 Jul 2018 10:26

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

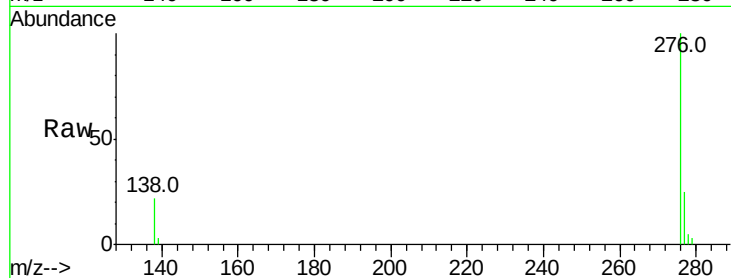
Tot Ion:276 Resp: 10032

Ion Ratio Lower Upper

276 100

277 25.3 16.0 24.0#

138 22.4 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

