

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062618\
 Data File : BE096845.D
 Acq On : 26 Jun 2018 10:32
 Operator : SJ/JU
 Sample : PB110591BSD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 27 02:25:48 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 20 15:45:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	3942	0.40	ng	0.00
7) Naphthalene-d8	10.16	136	16320	0.40	ng	0.00
13) Acenaphthene-d10	14.03	164	6542	0.40	ng	0.00
19) Phenanthrene-d10	16.78	188	14556	0.40	ng	0.00
27) Chrysene-d12	20.98	240	14600	0.40	ng	0.00
34) Perylene-d12	23.21	264	14469	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.07	112	2942	0.33	ng	0.01
5) Phenol-d6	6.60	99	3672	0.28	ng	0.00
8) Nitrobenzene-d5	8.53	82	3237	0.33	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	9150	0.39	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	287	0.29	ng	0.00
15) 2-Fluorobiphenyl	12.64	172	10089	0.42	ng	0.00
25) Fluoranthene-d10	18.81	212	46017	0.36	ng	0.00
29) Terphenyl-d14	19.43	244	11971	0.42	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.11	88	1769	0.299	ng	# 81
3) n-Nitrosodimethylamine	3.39	42	2439	0.390	ng	# 88
6) bis(2-Chloroethyl)ether	6.84	93	4503	0.312	ng	99
9) Naphthalene	10.20	128	54971	0.371	ng	99
10) Hexachlorobutadiene	10.50	225	2126	0.345	ng	97
12) 2-Methylnaphthalene	11.81	142	8423	0.343	ng	98
16) Acenaphthylene	13.74	152	9964	0.351	ng	99
17) Acenaphthene	14.08	154	6694	0.357	ng	# 92
18) Fluorene	15.08	166	7229	0.328	ng	# 80
20) 4-Bromophenyl-phenylether	15.99	248	2264	0.345	ng	# 80
21) Hexachlorobenzene	16.09	284	2731	0.365	ng	# 81
22) Pentachlorophenol	16.43	266	638	0.538	ng	# 77
23) Phenanthrene	16.81	178	13154	0.368	ng	98
24) Anthracene	16.91	178	10871	0.367	ng	96
26) Fluoranthene	18.84	202	14410	0.398	ng	98
28) Pyrene	19.20	202	14081	0.333	ng	98
30) Benzo(a)anthracene	20.97	228	12287	0.380	ng	96
31) Chrysene	21.01	228	15308	0.383	ng	98
32) Bis(2-ethylhexyl)phthalate	20.93	149	8587	0.296	ng	100
33) Indeno(1,2,3-cd)pyrene	25.51	276	11807	0.397	ng	# 79
35) Benzo(b)fluoranthene	22.54	252	12784	0.324	ng	# 88
36) Benzo(k)fluoranthene	22.58	252	14809	0.351	ng	96
37) Benzo(a)pyrene	23.11	252	10531	0.336	ng	94
38) Dibenzo(a,h)anthracene	25.53	278	9730	0.339	ng	96
39) Benzo(g,h,i)perylene	26.20	276	11422	0.326	ng	# 93

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

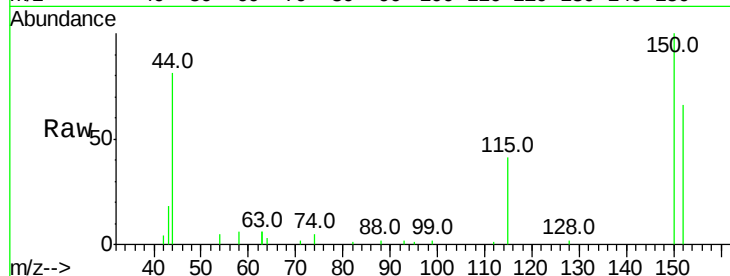


#1

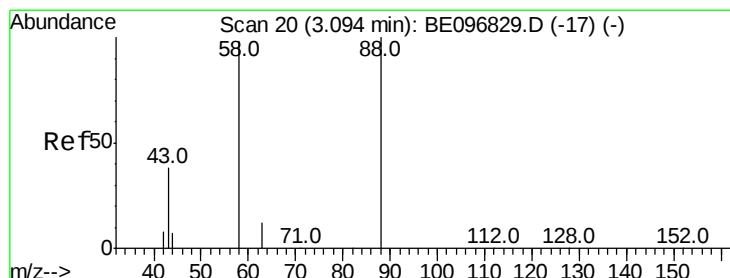
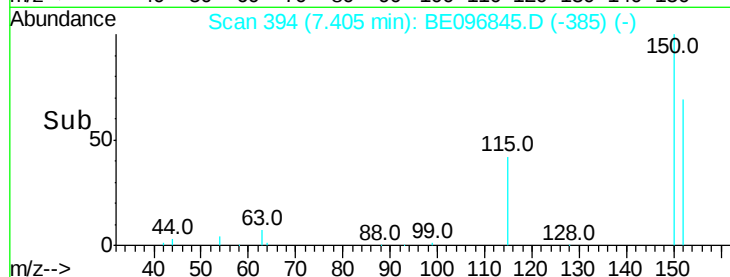
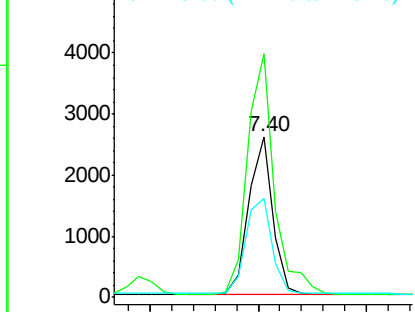
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 394
Delta R.T. 0.00 min
Lab File: BE096845.D
Acq: 26 Jun 2018 10:32

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 3942
Ion Ratio Lower Upper
152 100
150 151.7 117.2 175.8
115 61.9 57.0 85.6



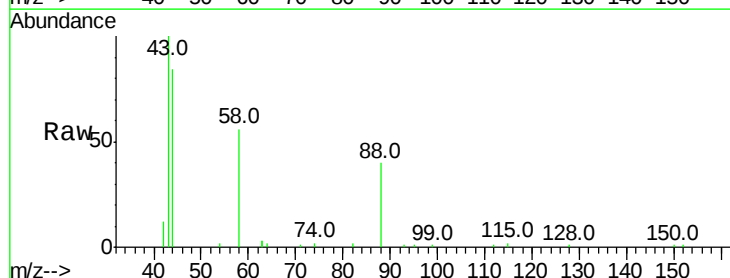
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



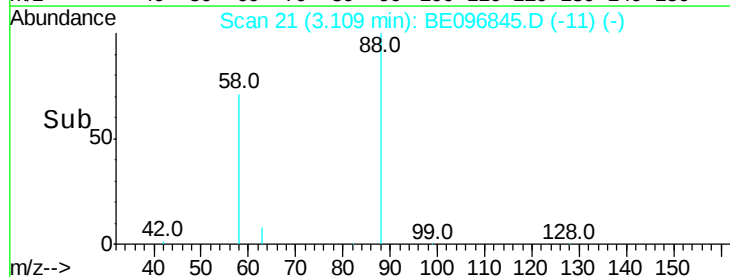
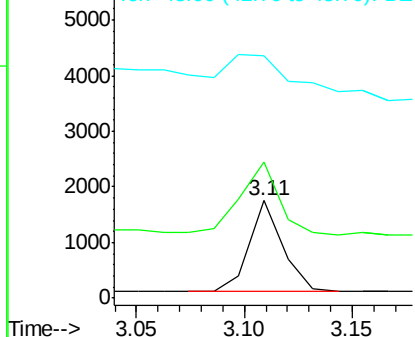
#2

1,4-Dioxane
Concen: 0.299 ng
RT: 3.11 min Scan# 21
Delta R.T. 0.01 min
Lab File: BE096845.D
Acq: 26 Jun 2018 10:32

Tgt Ion: 88 Resp: 1769
Ion Ratio Lower Upper
88 100
58 95.2 63.2 94.8#
43 65.1 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



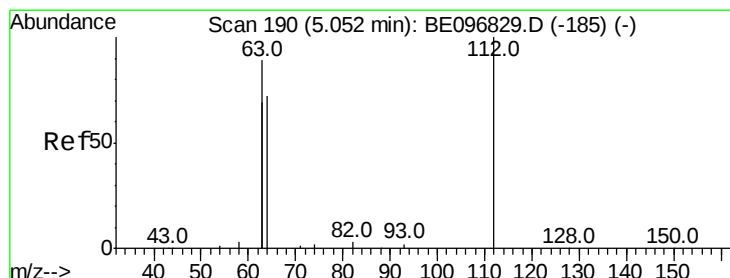
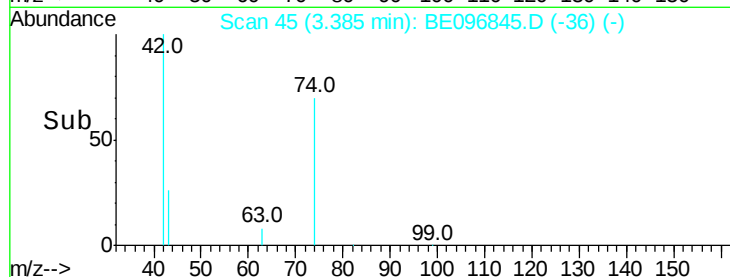
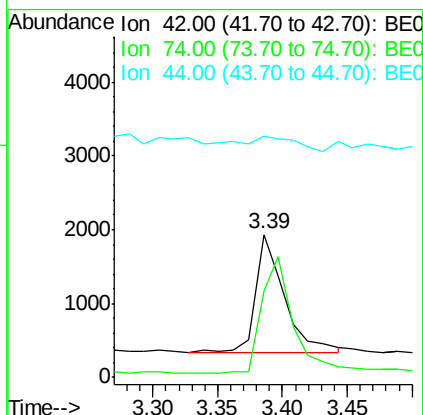
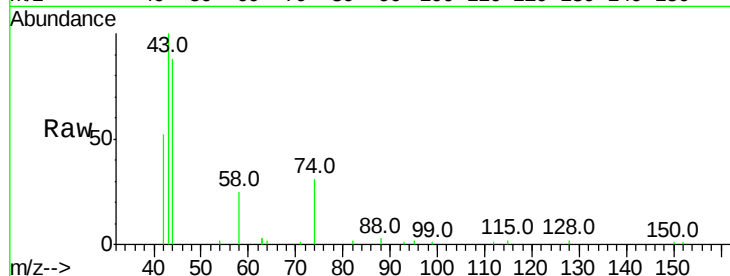


#3

n-Nitrosodimethylamine
 Concen: 0.390 ng
 RT: 3.39 min Scan# 45
 Delta R.T. 0.00 min
 Lab File: BE096845.D
 Acq: 26 Jun 2018 10:32

Instrument :
 BNA_E
 ClientSampleId :

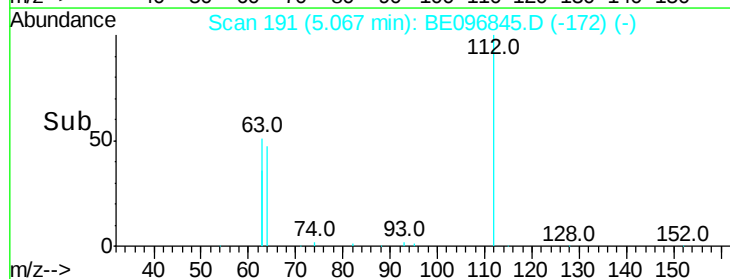
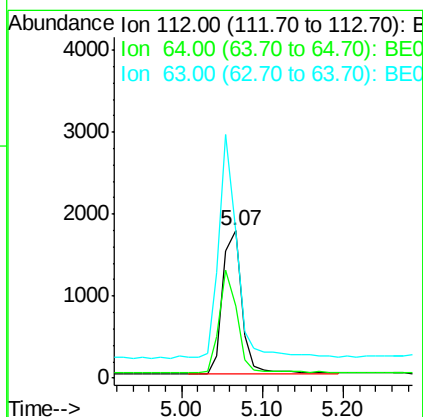
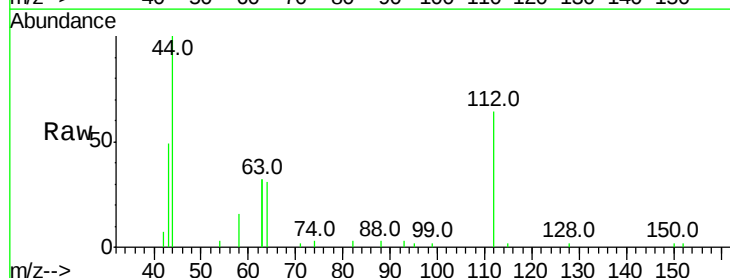
Tot Ion: 42 Resp: 2439
 Ion Ratio Lower Upper
 42 100
 74 108.1 96.0 144.0
 44 23.5 12.0 18.0#

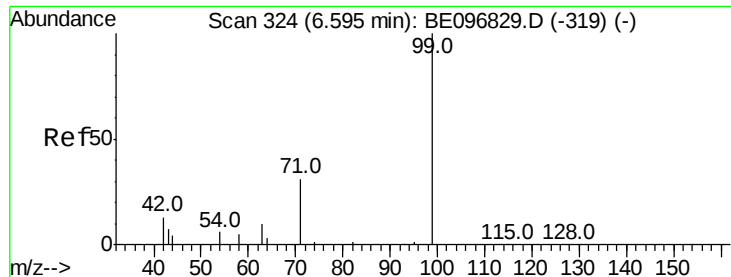


#4

2-Fluorophenol
 Concen: 0.334 ng
 RT: 5.07 min Scan# 191
 Delta R.T. 0.01 min
 Lab File: BE096845.D
 Acq: 26 Jun 2018 10:32

Tgt Ion: 112 Resp: 2942
 Ion Ratio Lower Upper
 112 100
 64 68.2 60.1 90.1
 63 150.6 116.8 175.2





#5

Phenol-d6

Concen: 0.279 ng

RT: 6.60 min Scan# 324

Delta R.T. 0.00 min

Lab File: BE096845.D

Acq: 26 Jun 2018 10:32

Instrument :

BNA_E

ClientSampled :

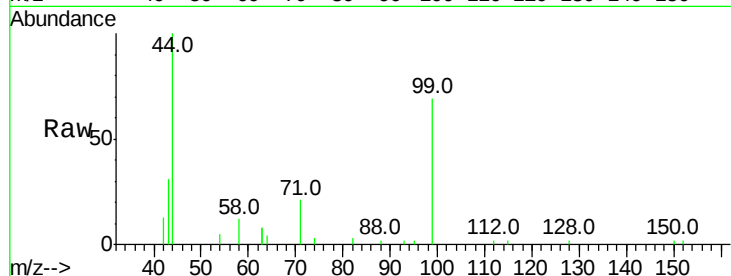
Tot Ion: 99 Resp: 3672

Ion Ratio Lower Upper

99 100

42 24.9 20.2 30.2

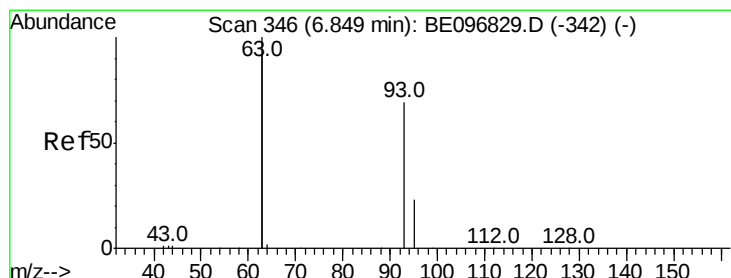
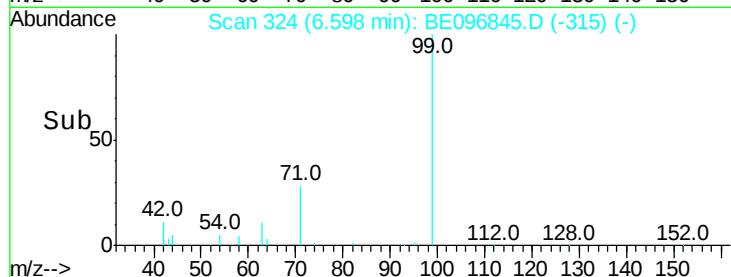
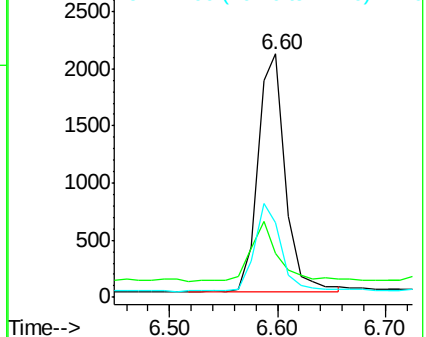
71 35.1 28.4 42.6



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: 0.312 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.01 min

Lab File: BE096845.D

Acq: 26 Jun 2018 10:32

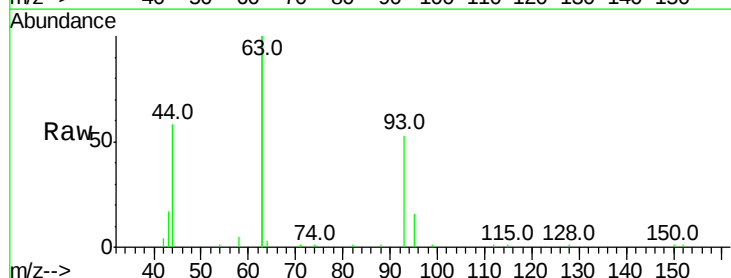
Tgt Ion: 93 Resp: 4503

Ion Ratio Lower Upper

93 100

63 341.4 275.3 412.9

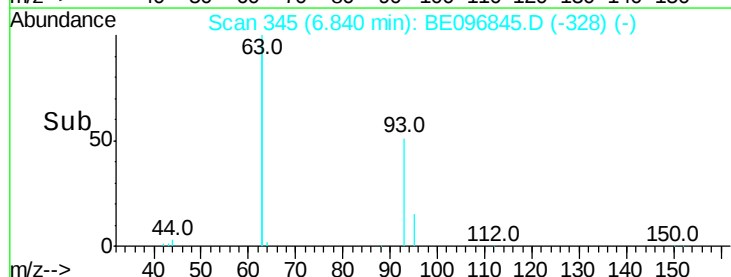
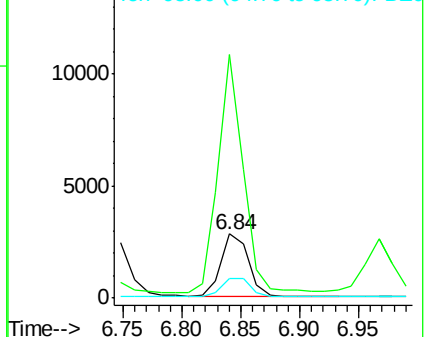
95 32.4 25.2 37.8

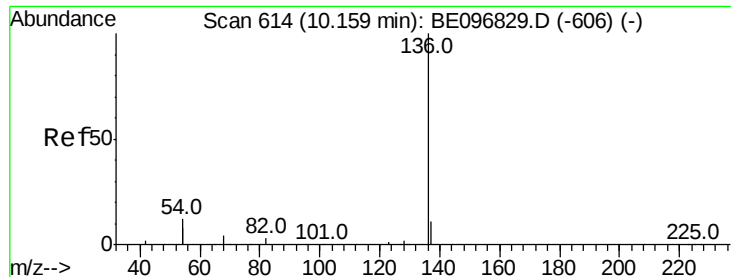


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.16 min Scan# 614

Delta R.T. -0.00 min

Lab File: BE096845.D

Acq: 26 Jun 2018 10:32

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 16320

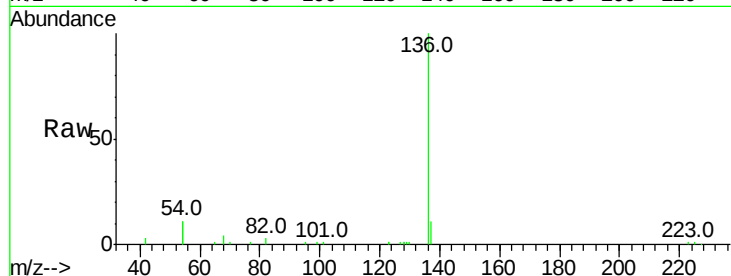
Ion Ratio Lower Upper

136 100

137 11.5 9.5 14.3

54 21.1 29.1 43.7#

68 4.3 6.2 9.2#

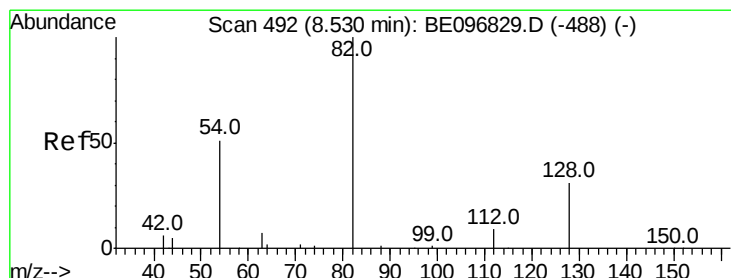
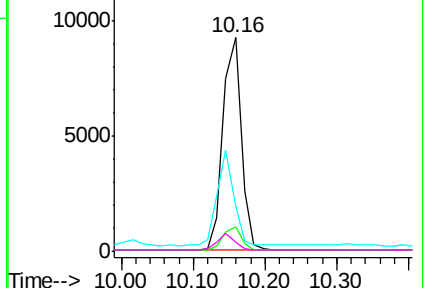
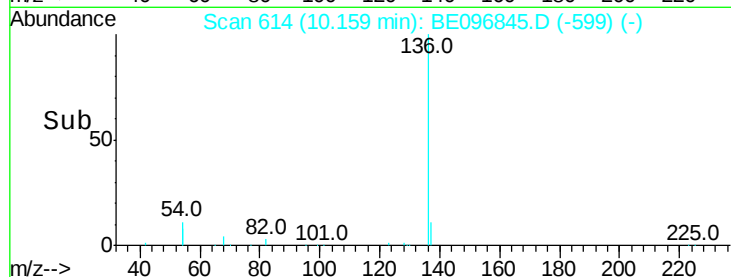


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.328 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.00 min

Lab File: BE096845.D

Acq: 26 Jun 2018 10:32

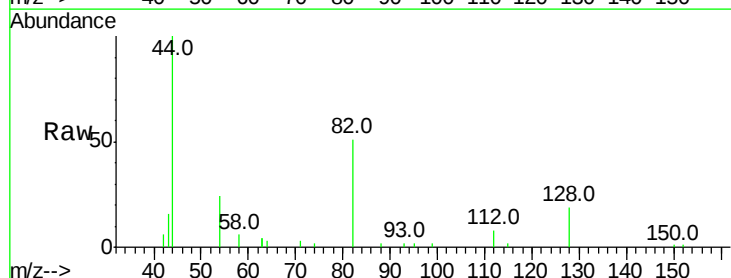
Tgt Ion: 82 Resp: 3237

Ion Ratio Lower Upper

82 100

128 37.3 24.0 36.0#

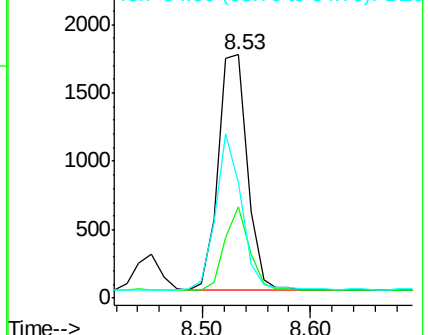
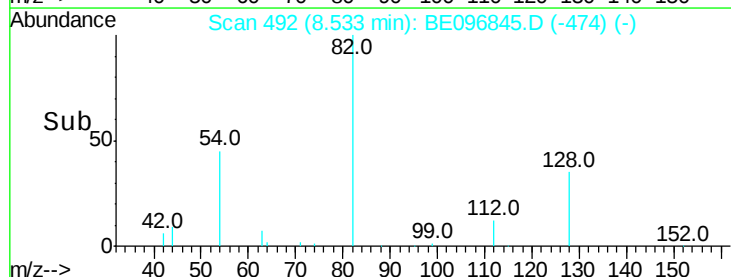
54 47.6 40.0 60.0



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: 0.371 ng

RT: 10.20 min Scan# 617

Delta R.T. -0.00 min

Lab File: BE096845.D

Acq: 26 Jun 2018 10:32

Instrument :

BNA_E

ClientSampleId :

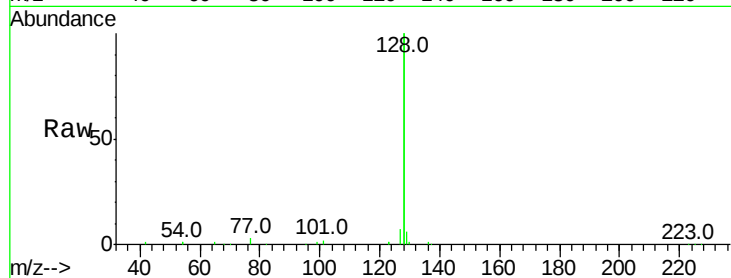
Tot Ion:128 Resp: 54971

Ion Ratio Lower Upper

128 100

129 2.9 2.6 3.8

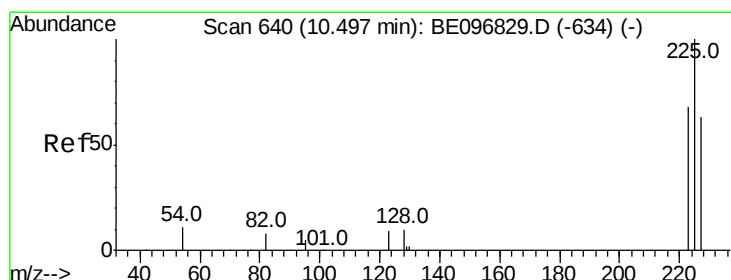
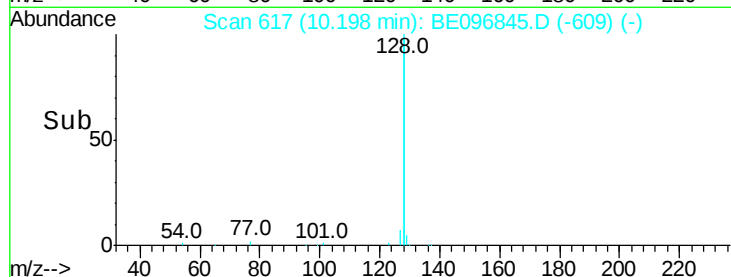
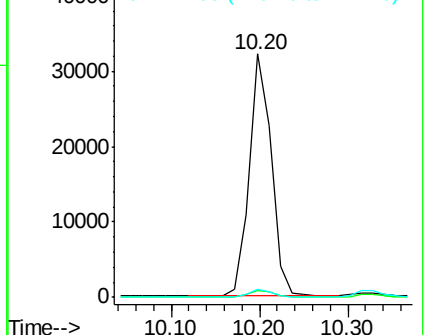
127 3.4 2.8 4.2



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: 0.345 ng

RT: 10.50 min Scan# 640

Delta R.T. -0.00 min

Lab File: BE096845.D

Acq: 26 Jun 2018 10:32

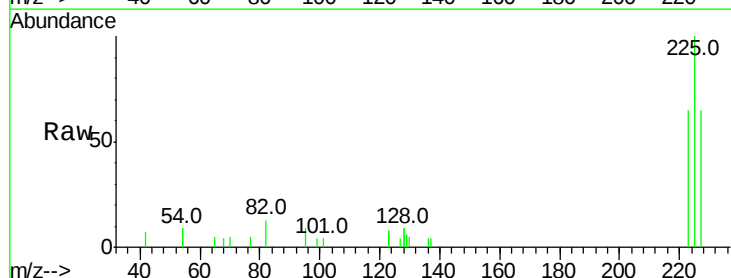
Tgt Ion:225 Resp: 2126

Ion Ratio Lower Upper

225 100

223 62.6 53.0 79.6

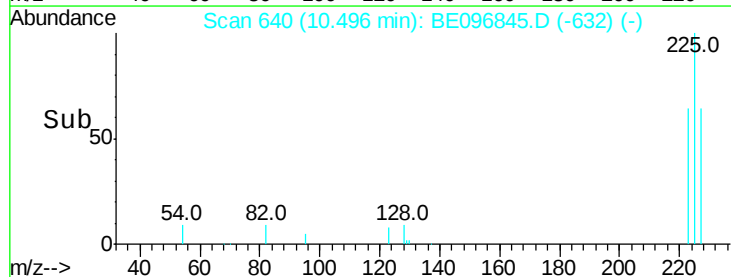
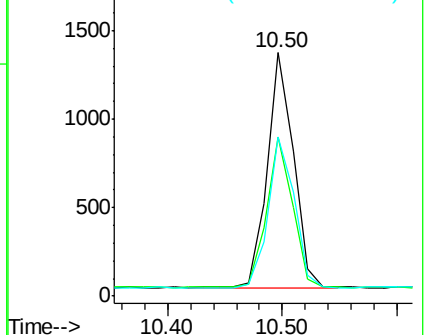
227 64.0 51.4 77.2

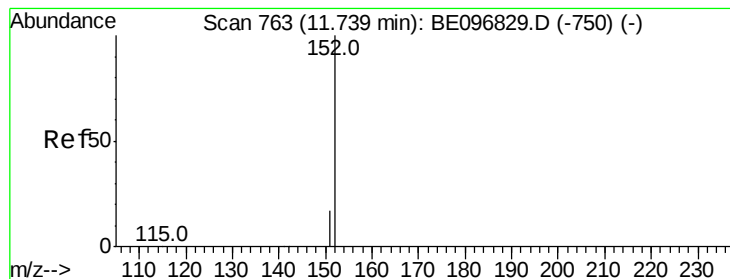


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.390 ng

RT: 11.73 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE096845.D

Acq: 26 Jun 2018 10:32

Instrument :

BNA_E

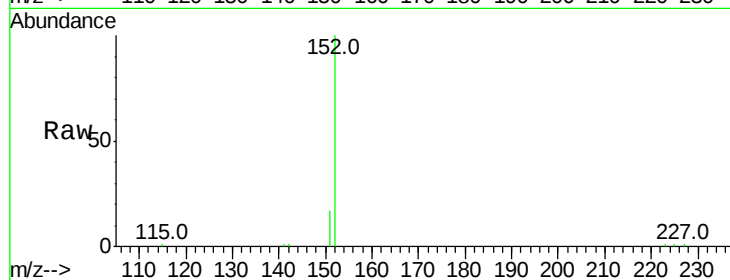
ClientSampleId :

Tot Ion:152 Resp: 9150

Ion Ratio Lower Upper

152 100

151 15.8 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

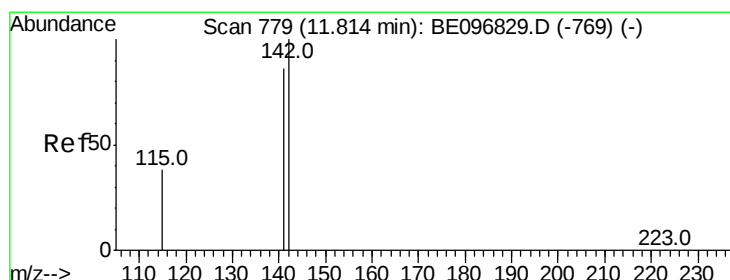
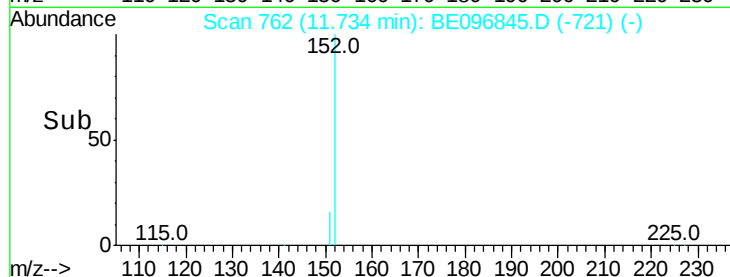
3000

2000

1000

0

Time--> 11.60 11.70 11.80



#12

2-Methylnaphthalene

Concen: 0.343 ng

RT: 11.81 min Scan# 778

Delta R.T. -0.00 min

Lab File: BE096845.D

Acq: 26 Jun 2018 10:32

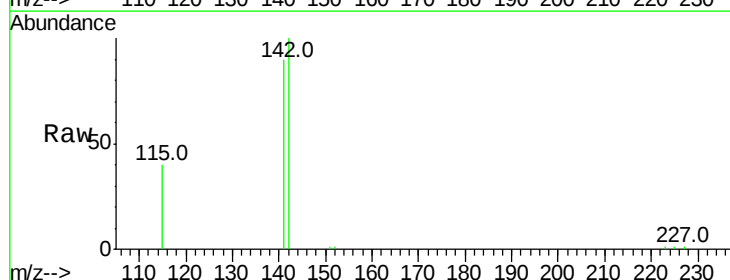
Tgt Ion:142 Resp: 8423

Ion Ratio Lower Upper

142 100

141 89.6 70.4 105.6

115 40.4 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

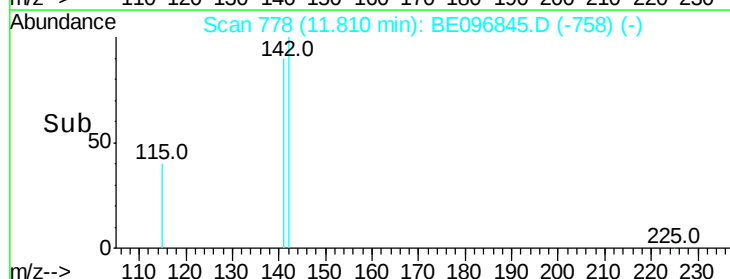
6000

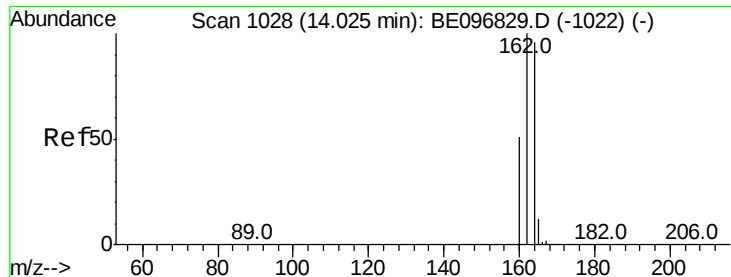
4000

2000

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: BE096845.D

Acq: 26 Jun 2018 10:32

Instrument :

BNA_E

ClientSampleId :

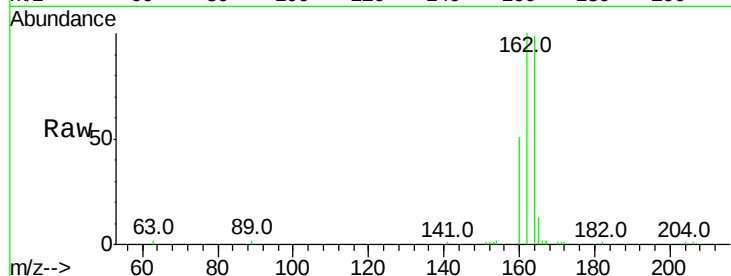
Tot Ion:164 Resp: 6542

Ion Ratio Lower Upper

164 100

162 101.2 83.1 124.7

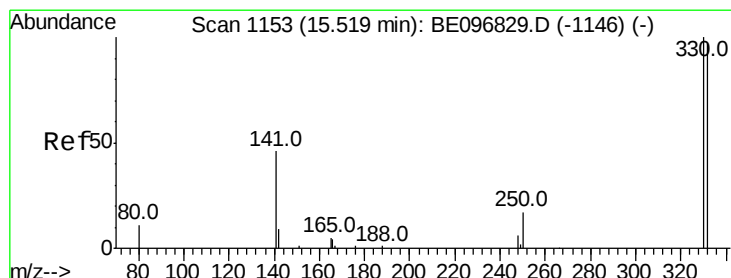
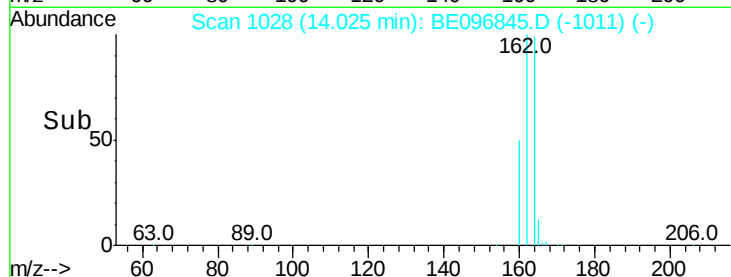
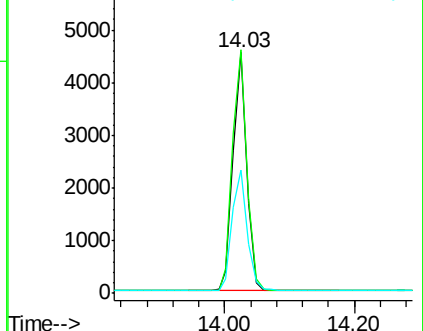
160 51.5 37.1 55.7



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: 0.290 ng

RT: 15.52 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BE096845.D

Acq: 26 Jun 2018 10:32

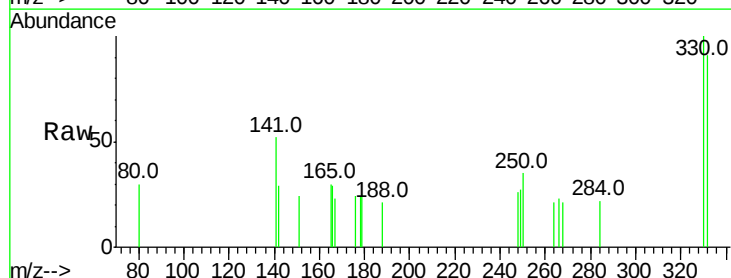
Tgt Ion:330 Resp: 287

Ion Ratio Lower Upper

330 100

332 97.9 152.7 229.1#

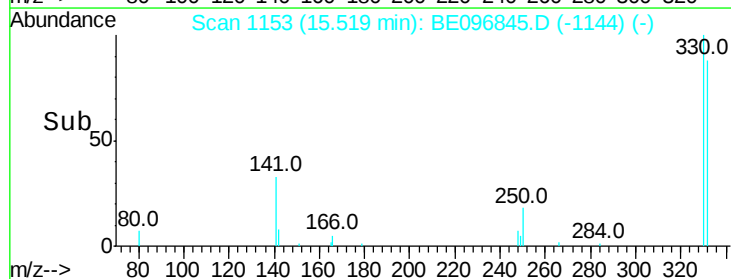
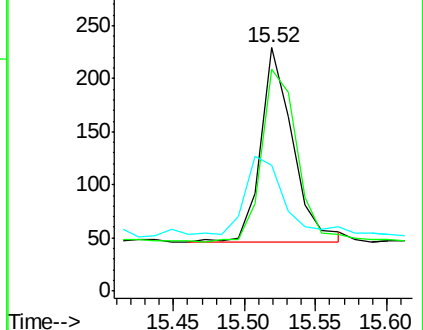
141 46.7 33.7 50.5

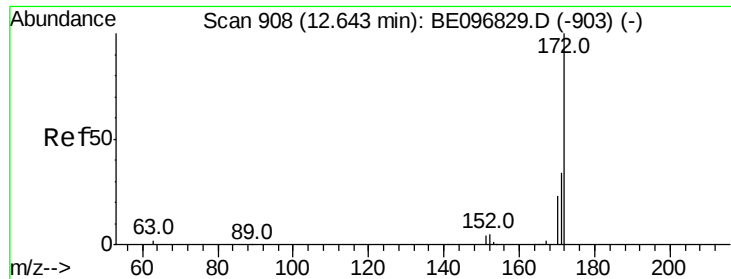


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

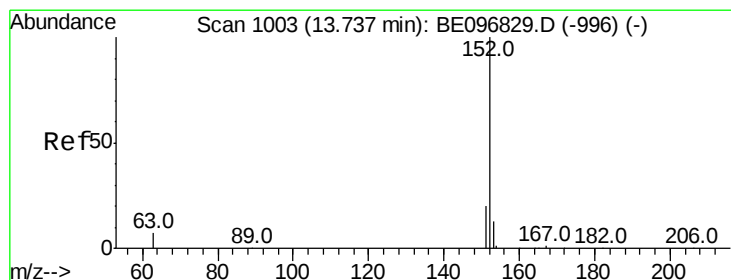
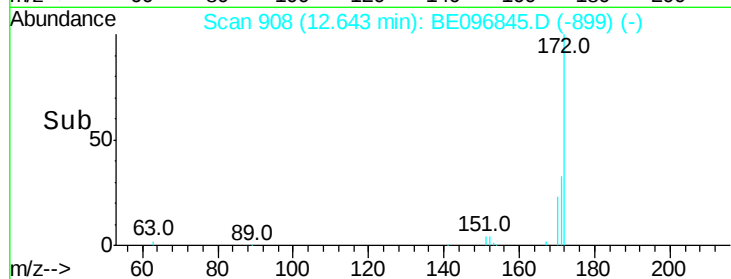
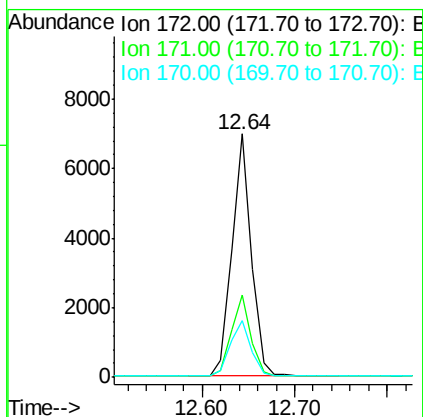
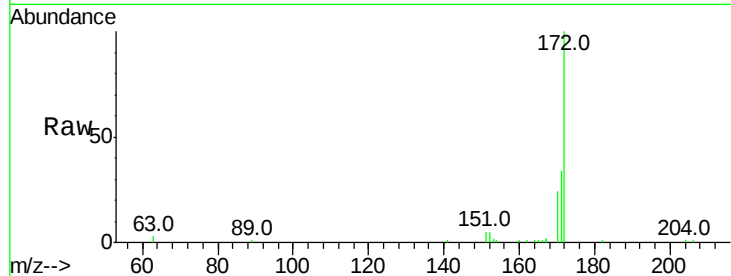




#15
2-Fluorobiphenyl
Concen: 0.421 ng
RT: 12.64 min Scan# 908
Delta R.T. -0.00 min
Lab File: BE096845.D
Acq: 26 Jun 2018 10:32

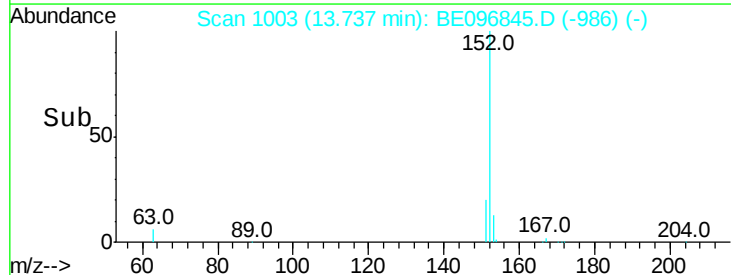
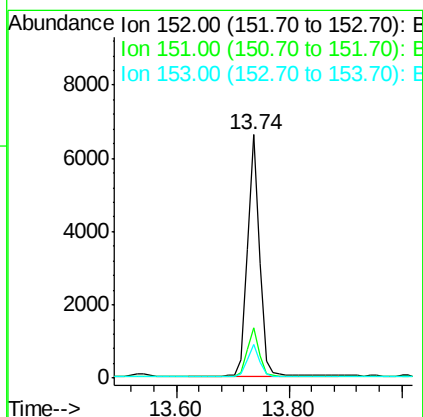
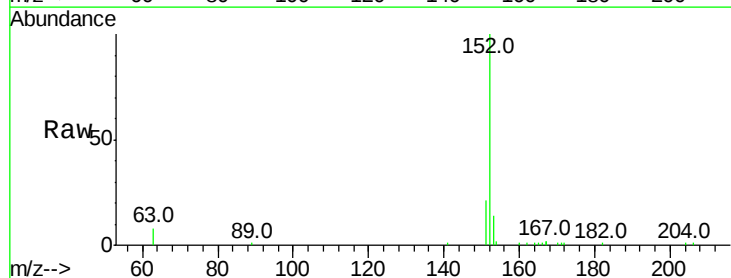
Instrument :
BNA_E
ClientSampleId :

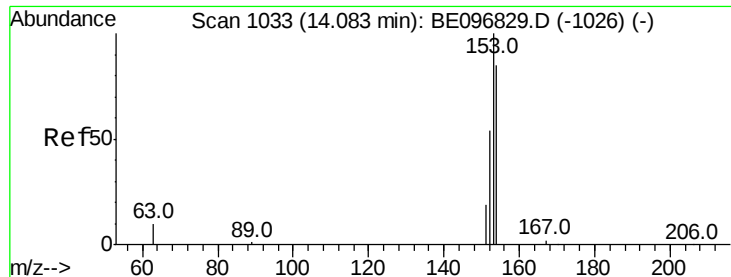
Tot Ion:172 Resp: 10089
Ion Ratio Lower Upper
172 100
171 34.0 29.9 44.9
170 23.5 21.8 32.8



#16
Acenaphthylene
Concen: 0.351 ng
RT: 13.74 min Scan# 1003
Delta R.T. -0.00 min
Lab File: BE096845.D
Acq: 26 Jun 2018 10:32

Tgt Ion:152 Resp: 9964
Ion Ratio Lower Upper
152 100
151 19.4 15.7 23.5
153 13.4 10.5 15.7





#17

Acenaphthene

Concen: 0.357 ng

RT: 14.08 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BE096845.D

Acq: 26 Jun 2018 10:32

Instrument :

BNA_E

ClientSampleId :

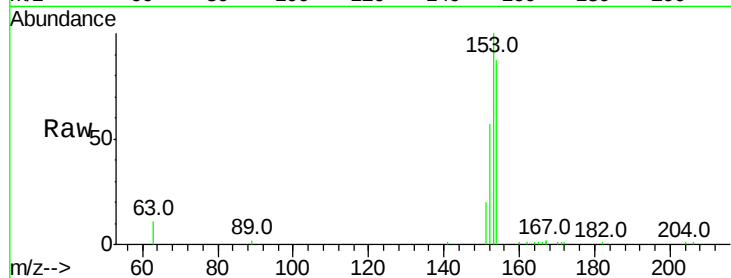
Tot Ion:154 Resp: 6694

Ion Ratio Lower Upper

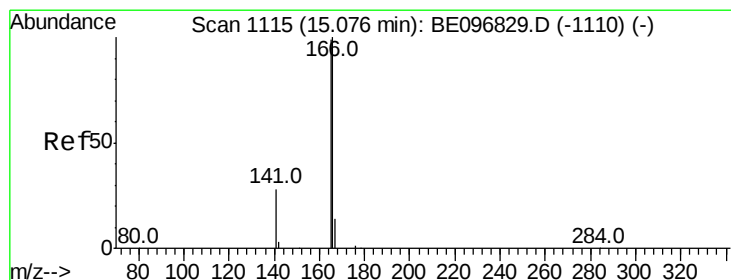
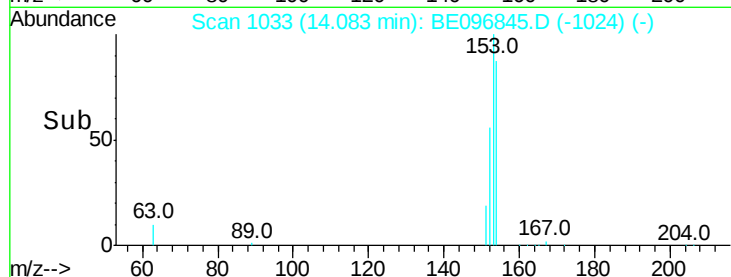
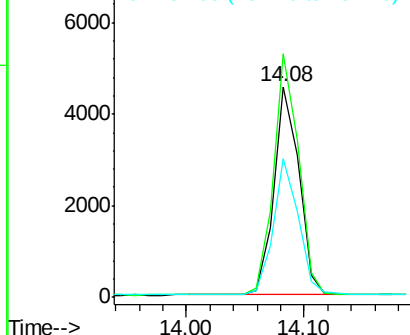
154 100

153 115.2 89.2 133.8

152 65.3 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: 0.328 ng

RT: 15.08 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE096845.D

Acq: 26 Jun 2018 10:32

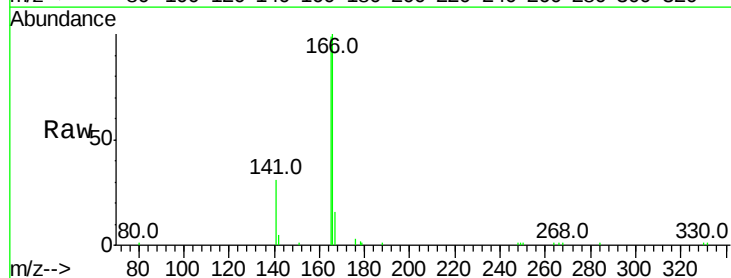
Tgt Ion:166 Resp: 7229

Ion Ratio Lower Upper

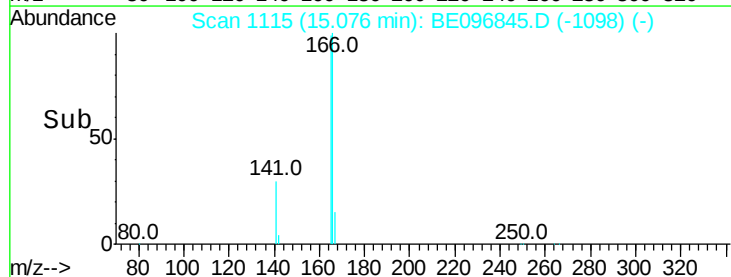
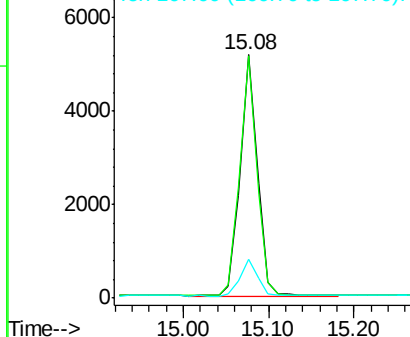
166 100

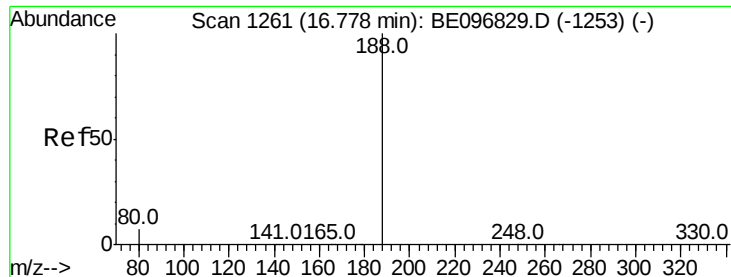
165 99.5 77.8 116.6

167 15.3 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

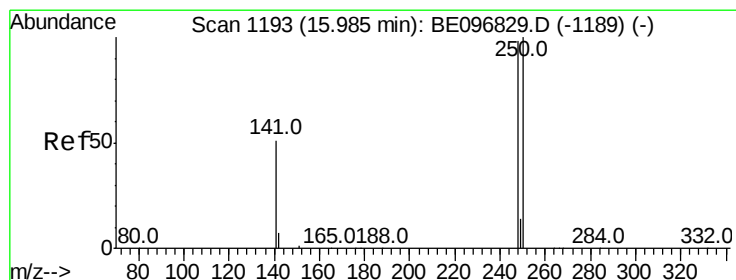
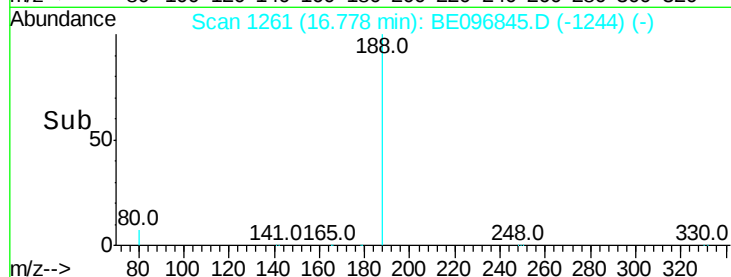
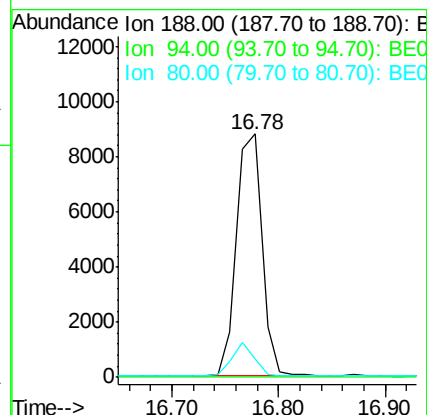
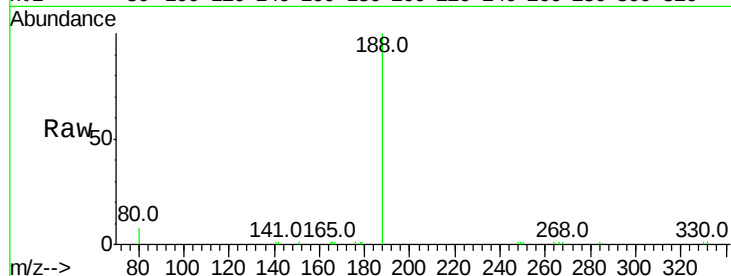




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.78 min Scan# 1261
Delta R.T. 0.00 min
Lab File: BE096845.D
Acq: 26 Jun 2018 10:32

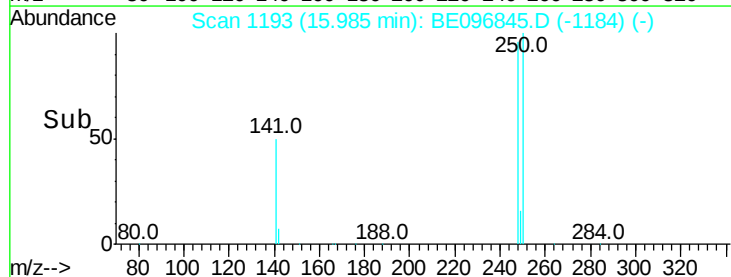
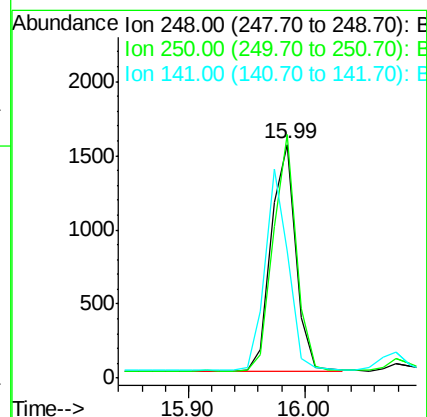
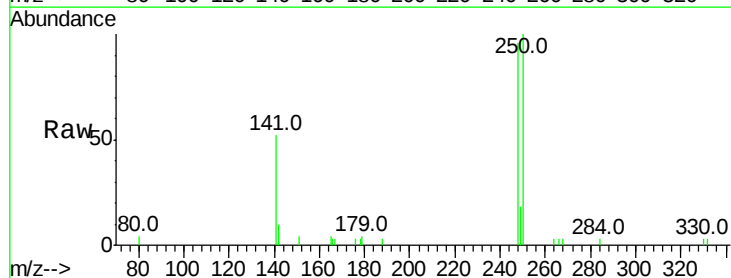
Instrument :
BNA_E
ClientSampleId :

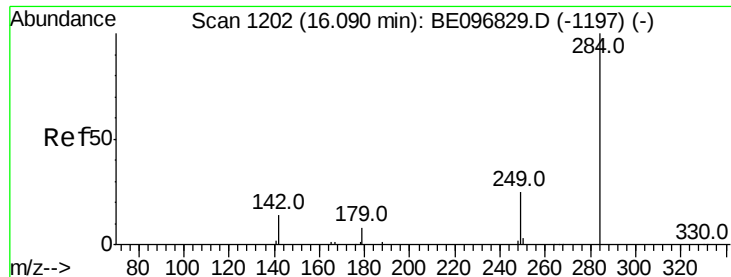
Tot Ion:188 Resp: 14556
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 7.6 3.6 5.4#



#20
4-Bromophenyl-phenylether
Concen: 0.345 ng
RT: 15.99 min Scan# 1193
Delta R.T. 0.00 min
Lab File: BE096845.D
Acq: 26 Jun 2018 10:32

Tgt Ion:248 Resp: 2264
Ion Ratio Lower Upper
248 100
250 104.2 62.7 94.1#
141 54.2 48.2 72.2





#21

Hexachlorobenzene

Concen: 0.365 ng

RT: 16.09 min Scan# 1202

Delta R.T. 0.00 min

Lab File: BE096845.D

Acq: 26 Jun 2018 10:32

Instrument :

BNA_E

ClientSampleId :

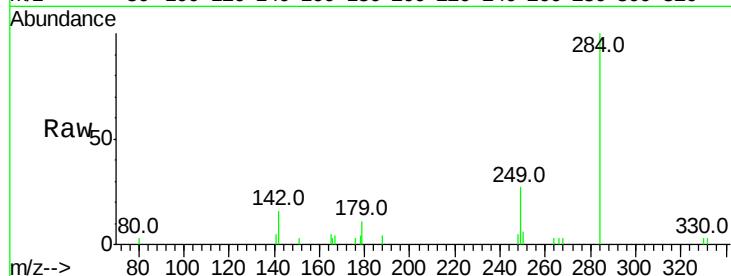
Tot Ion:284 Resp: 2731

Ion Ratio Lower Upper

284 100

142 38.0 22.1 33.1#

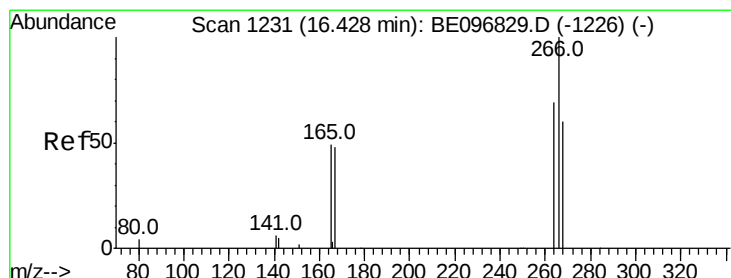
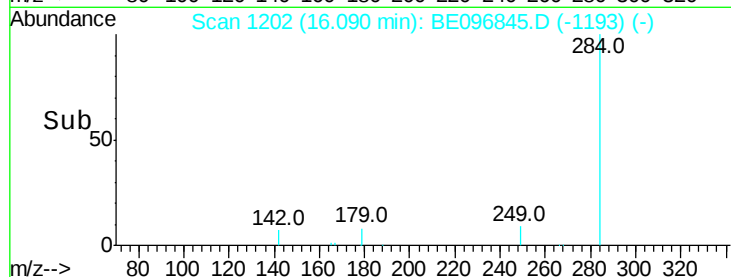
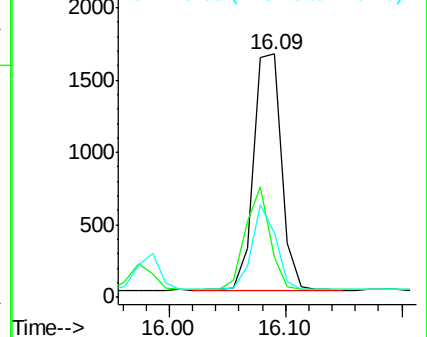
249 31.5 34.8 52.2#



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: 0.538 ng

RT: 16.43 min Scan# 1231

Delta R.T. 0.00 min

Lab File: BE096845.D

Acq: 26 Jun 2018 10:32

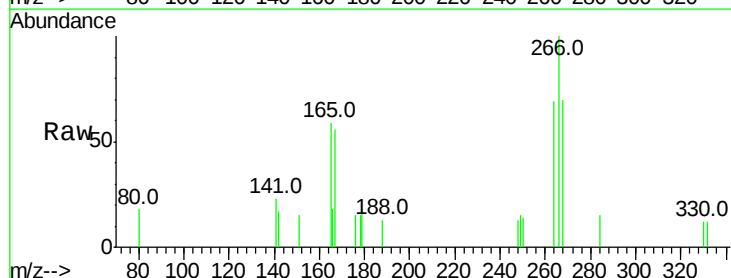
Tgt Ion:266 Resp: 638

Ion Ratio Lower Upper

266 100

264 69.5 72.5 108.7#

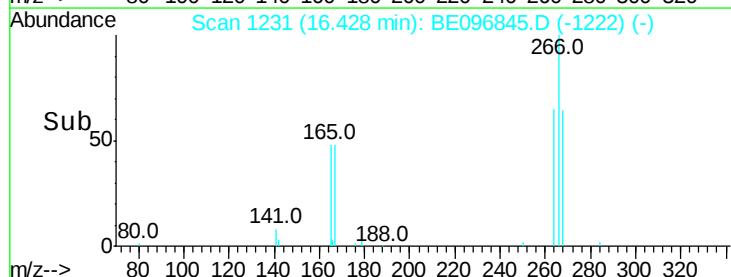
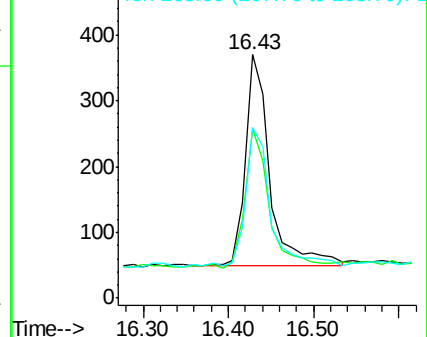
268 70.0 73.8 110.6#

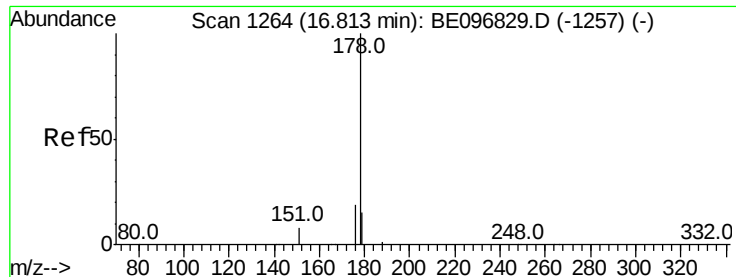


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.368 ng

RT: 16.81 min Scan# 1264

Delta R.T. 0.00 min

Lab File: BE096845.D

Acq: 26 Jun 2018 10:32

Instrument :

BNA_E

ClientSampleId :

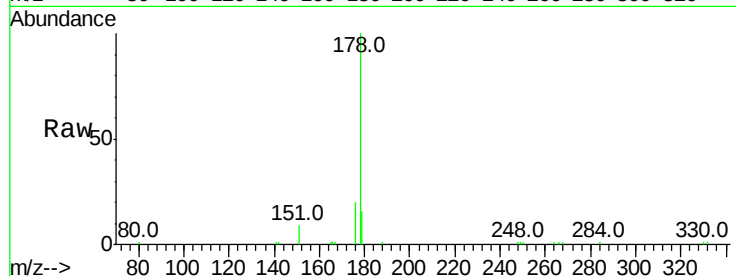
Tot Ion:178 Resp: 13154

Ion Ratio Lower Upper

178 100

176 19.4 15.1 22.7

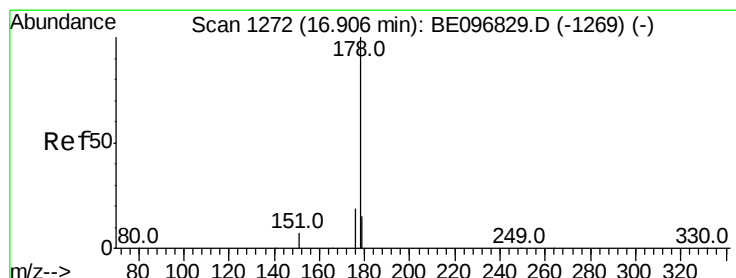
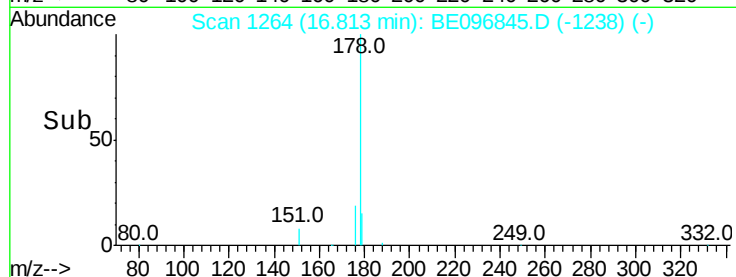
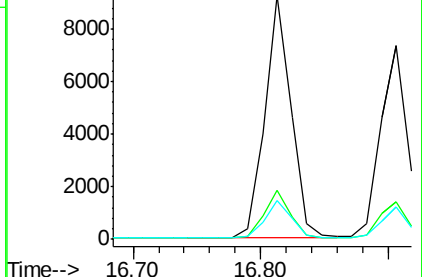
179 15.9 11.8 17.6



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: 0.367 ng

RT: 16.91 min Scan# 1272

Delta R.T. 0.00 min

Lab File: BE096845.D

Acq: 26 Jun 2018 10:32

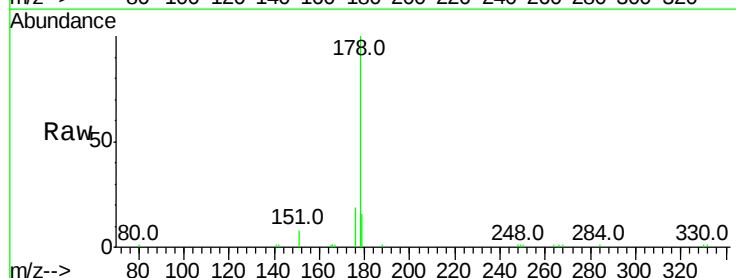
Tgt Ion:178 Resp: 10871

Ion Ratio Lower Upper

178 100

176 19.0 12.8 19.2

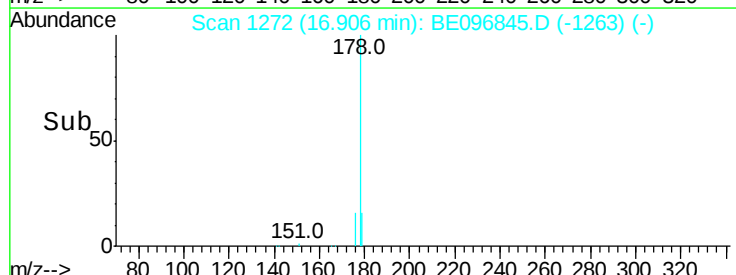
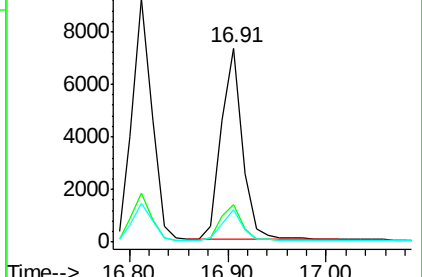
179 15.5 13.0 19.6

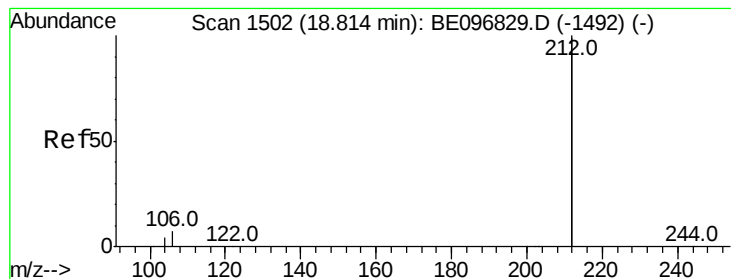


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.359 ng

RT: 18.81 min Scan# 1502

Delta R.T. -0.00 min

Lab File: BE096845.D

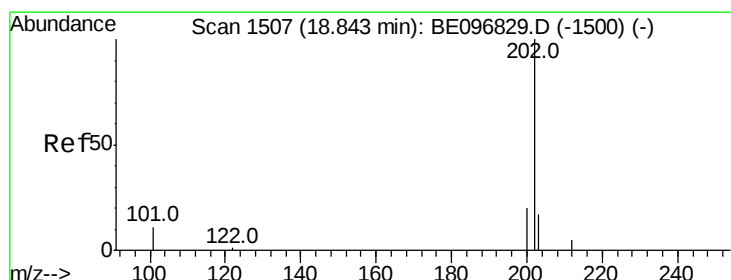
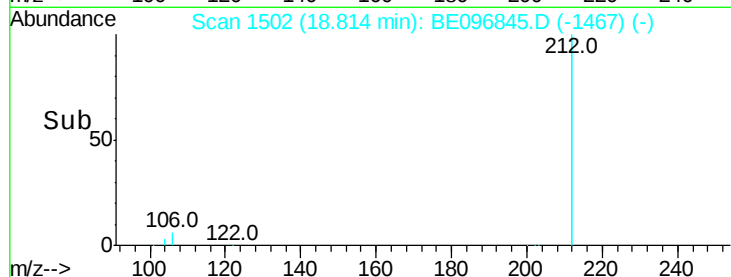
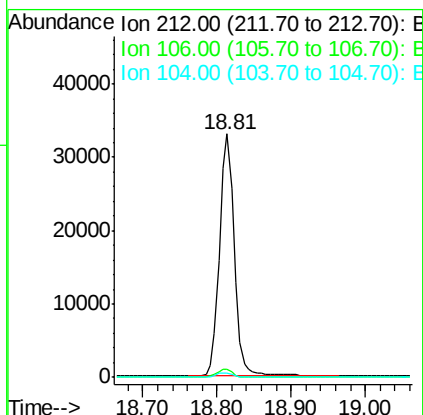
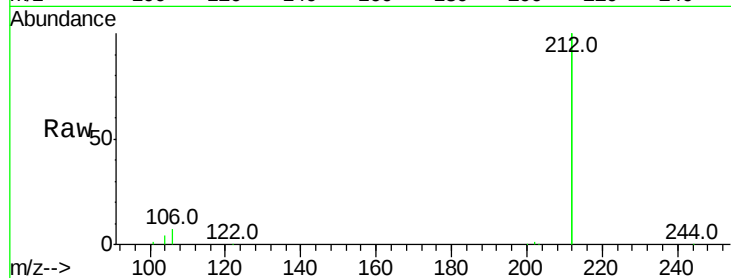
Acq: 26 Jun 2018 10:32

Instrument :

BNA_E

ClientSampleId :

Tot Ion:212	Resp:	46017
Ion Ratio	Lower	Upper
212	100	
106	3.4	2.8 4.2
104	1.9	1.6 2.4



#26

Fluoranthene

Concen: 0.398 ng

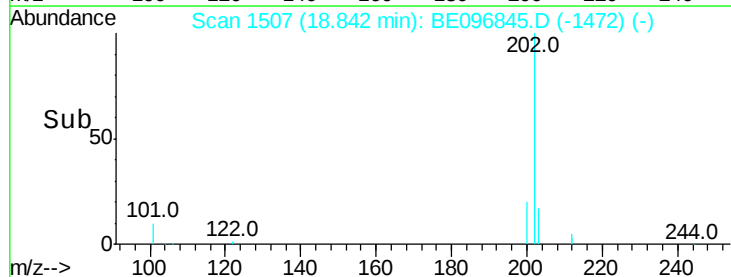
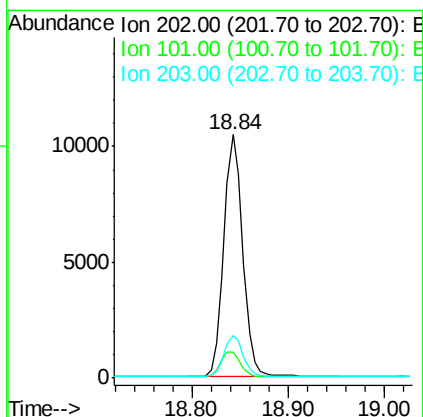
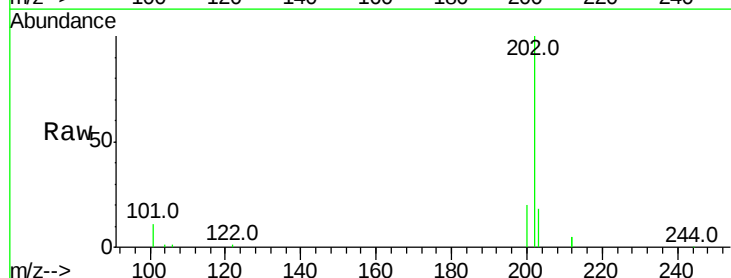
RT: 18.84 min Scan# 1507

Delta R.T. 0.00 min

Lab File: BE096845.D

Acq: 26 Jun 2018 10:32

Tgt Ion:202	Resp:	14410
Ion Ratio	Lower	Upper
202	100	
101	11.2	9.8 14.8
203	17.4	13.7 20.5

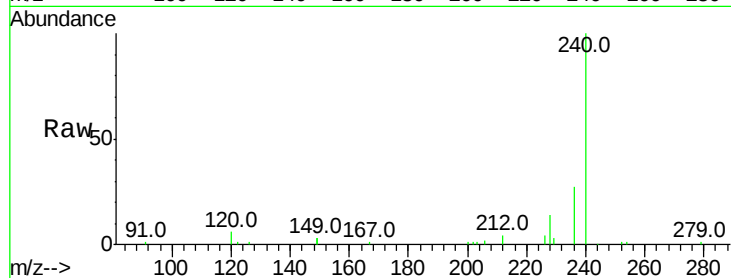




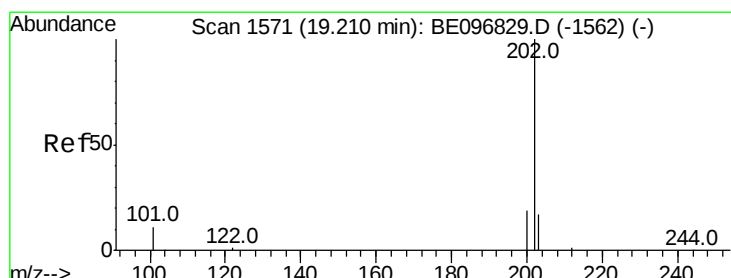
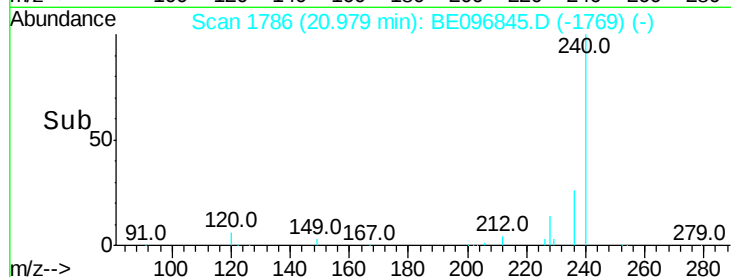
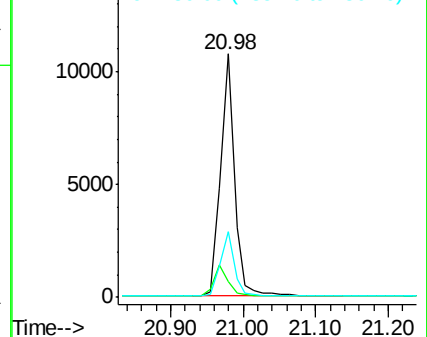
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 20.98 min Scan# 1786
 Delta R.T. 0.00 min
 Lab File: BE096845.D
 Acq: 26 Jun 2018 10:32

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:240 Resp: 14600
 Ion Ratio Lower Upper
 240 100
 120 6.5 5.5 8.3
 236 26.7 20.7 31.1

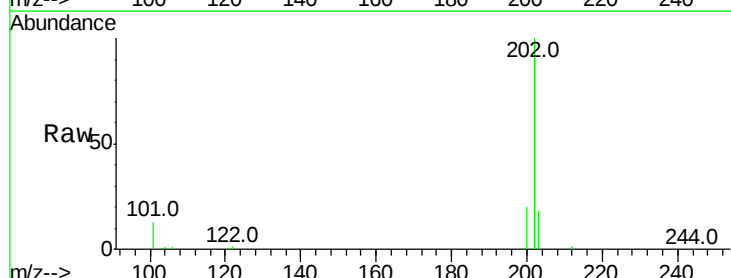


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

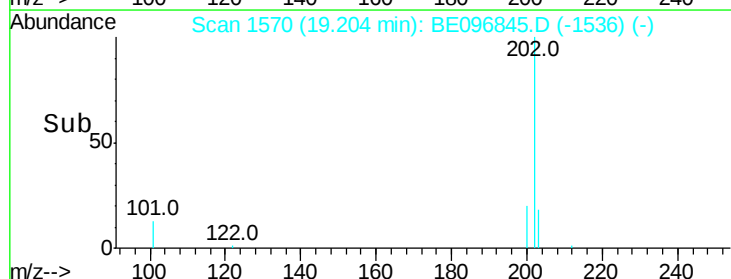
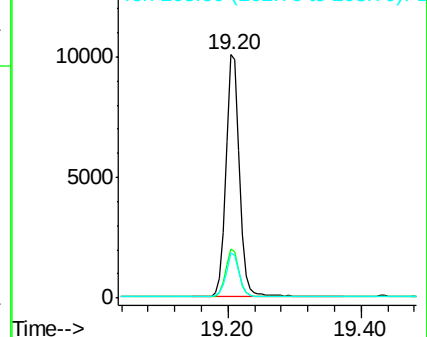


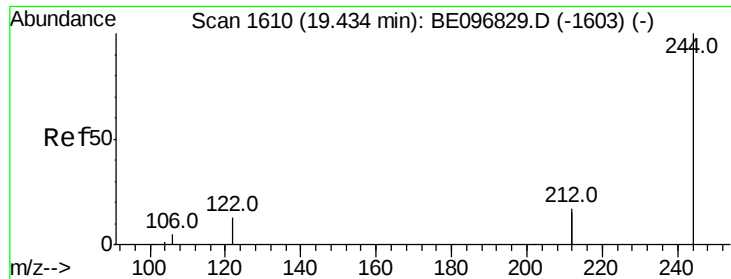
#28
 Pyrene
 Concen: 0.333 ng
 RT: 19.20 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BE096845.D
 Acq: 26 Jun 2018 10:32

Tgt Ion:202 Resp: 14081
 Ion Ratio Lower Upper
 202 100
 200 19.5 16.6 25.0
 203 18.0 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: 0.425 ng

RT: 19.43 min Scan# 1610

Delta R.T. -0.00 min

Lab File: BE096845.D

Acq: 26 Jun 2018 10:32

Instrument :

BNA_E

ClientSampleId :

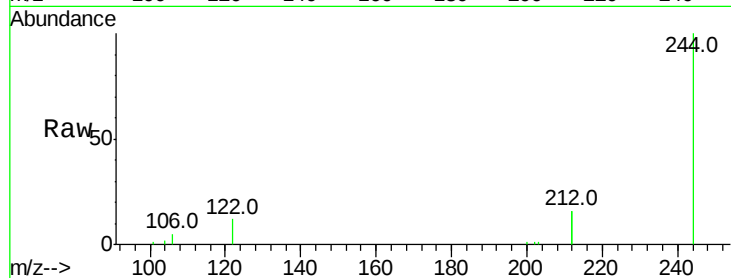
Tot Ion:244 Resp: 11971

Ion Ratio Lower Upper

244 100

212 32.6 25.4 38.0

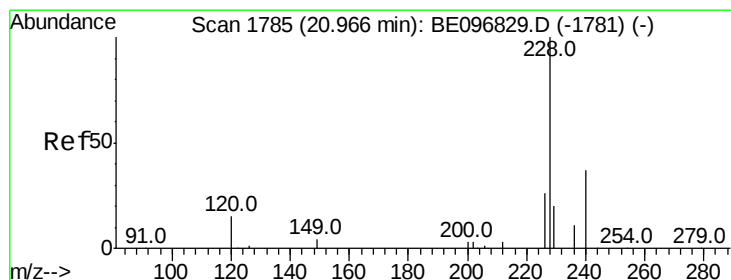
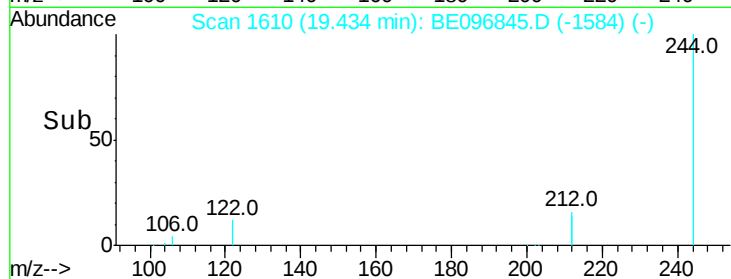
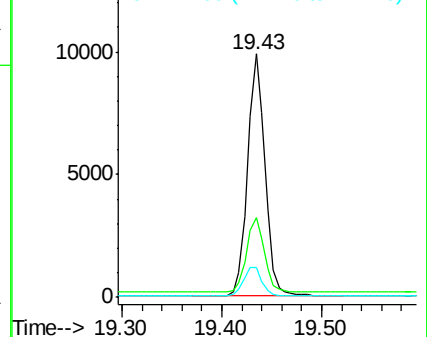
122 12.2 8.1 12.1#



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: 0.380 ng

RT: 20.97 min Scan# 1785

Delta R.T. 0.00 min

Lab File: BE096845.D

Acq: 26 Jun 2018 10:32

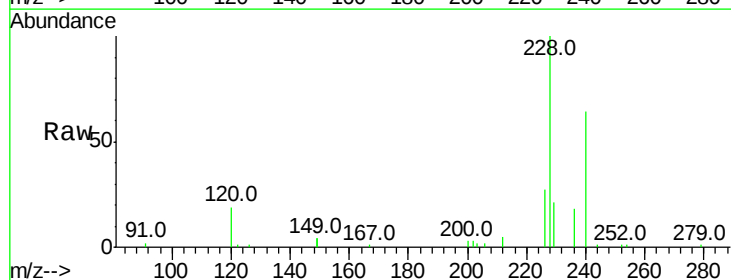
Tgt Ion:228 Resp: 12287

Ion Ratio Lower Upper

228 100

226 26.6 24.0 36.0

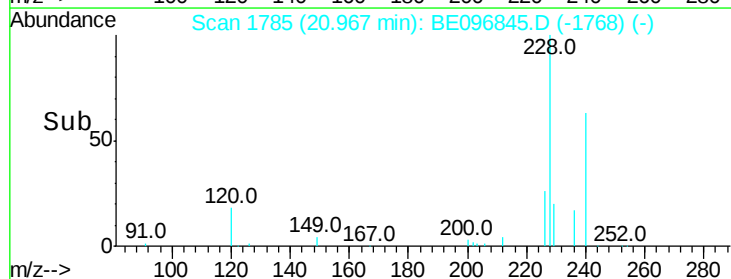
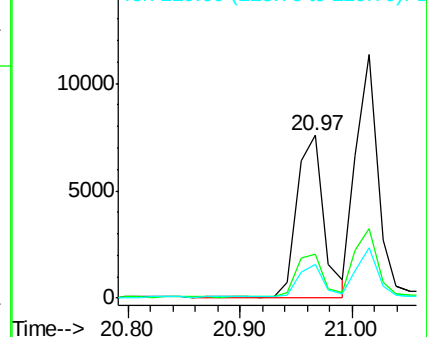
229 20.7 16.0 24.0

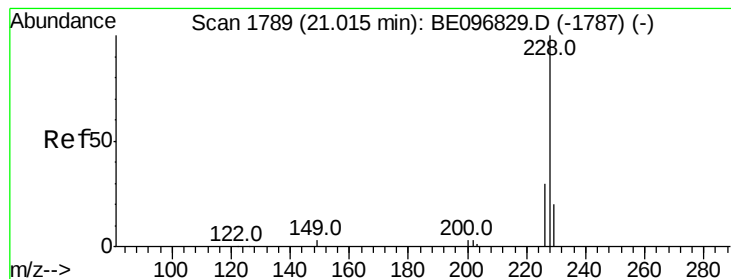


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.383 ng

RT: 21.01 min Scan# 1789

Delta R.T. 0.00 min

Lab File: BE096845.D

Acq: 26 Jun 2018 10:32

Instrument :

BNA_E

ClientSampleId :

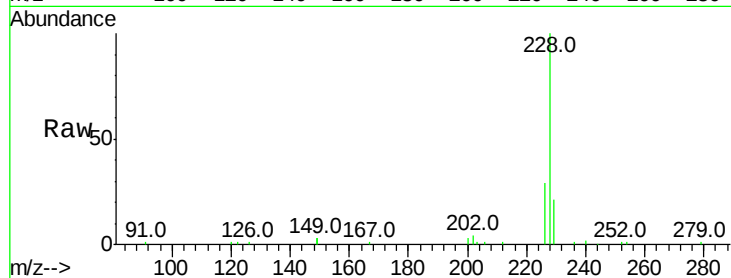
Tot Ion:228 Resp: 15308

Ion Ratio Lower Upper

228 100

226 28.7 24.0 36.0

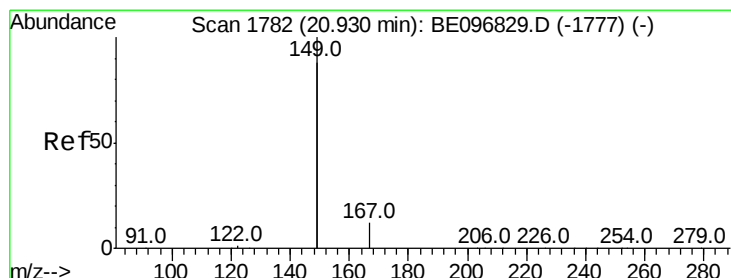
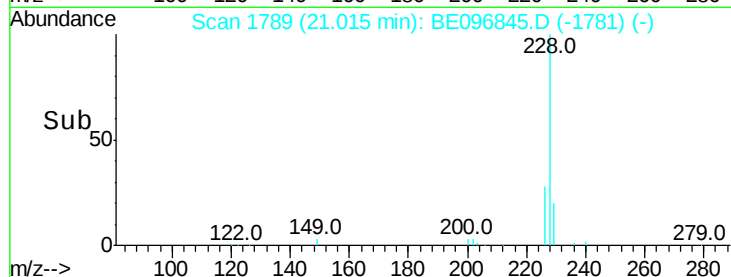
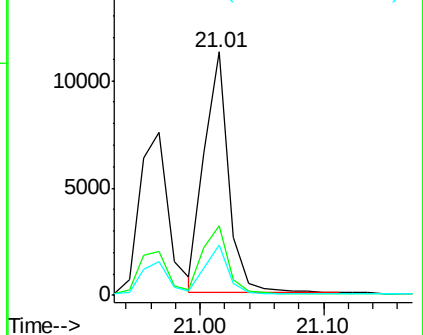
229 20.6 16.0 24.0



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: 0.296 ng

RT: 20.93 min Scan# 1782

Delta R.T. 0.00 min

Lab File: BE096845.D

Acq: 26 Jun 2018 10:32

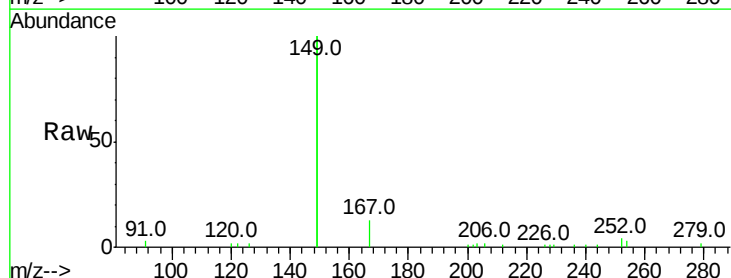
Tgt Ion:149 Resp: 8587

Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.0

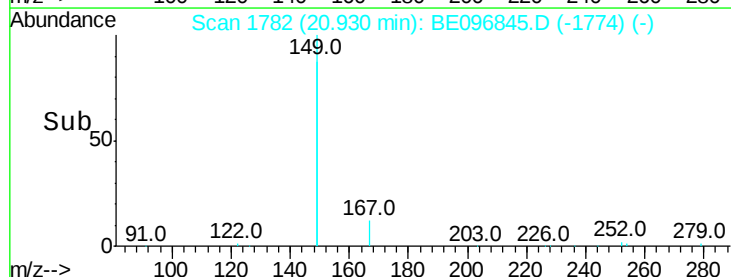
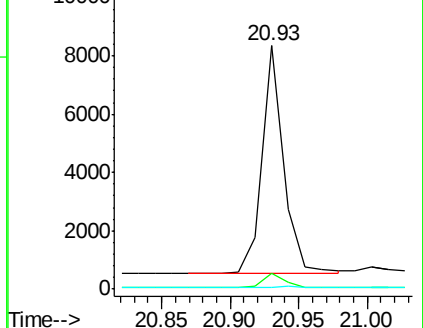
279 0.9 0.7 1.1



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: 0.397 ng

RT: 25.51 min Scan# 2843

Delta R.T. -0.01 min

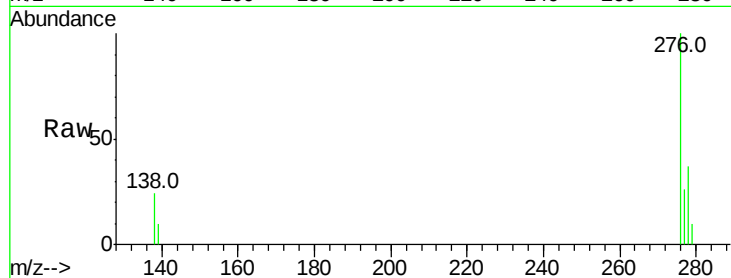
Lab File: BE096845.D

Acq: 26 Jun 2018 10:32

Instrument :

BNA_E

ClientSampleId :



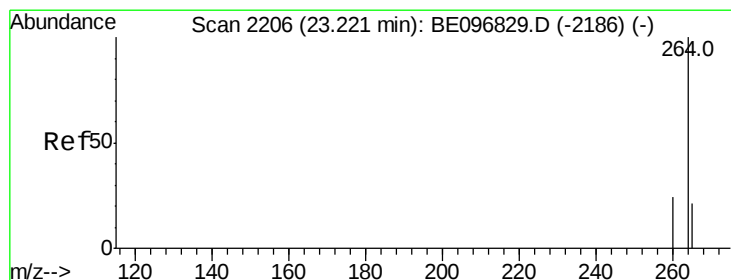
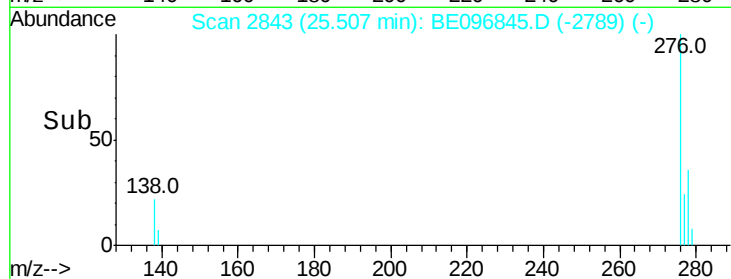
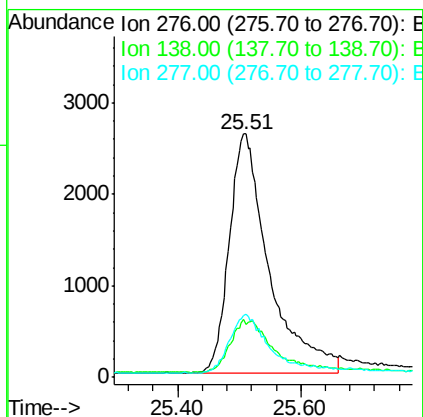
Tot Ion:276 Resp: 11807

Ion Ratio Lower Upper

276 100

138 8.8 22.5 33.7#

277 22.9 19.9 29.9



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.21 min Scan# 2204

Delta R.T. -0.01 min

Lab File: BE096845.D

Acq: 26 Jun 2018 10:32

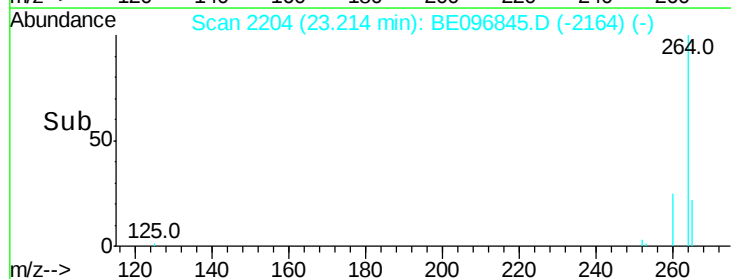
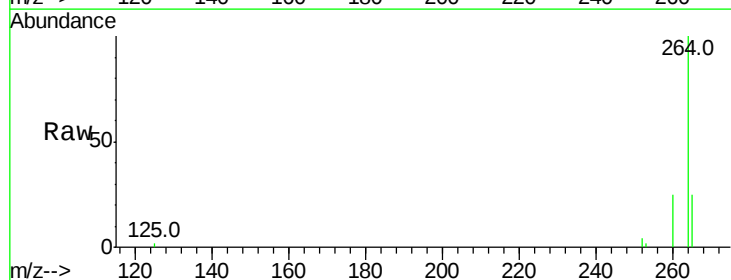
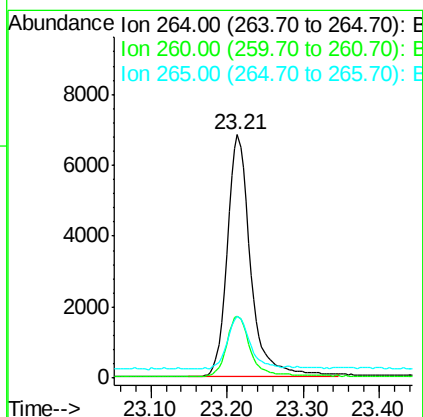
Tgt Ion:264 Resp: 14469

Ion Ratio Lower Upper

264 100

260 25.2 20.5 30.7

265 25.5 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.324 ng

RT: 22.54 min Scan# 2015

Delta R.T. -0.00 min

Lab File: BE096845.D

Acq: 26 Jun 2018 10:32

Instrument :

BNA_E

ClientSampleId :

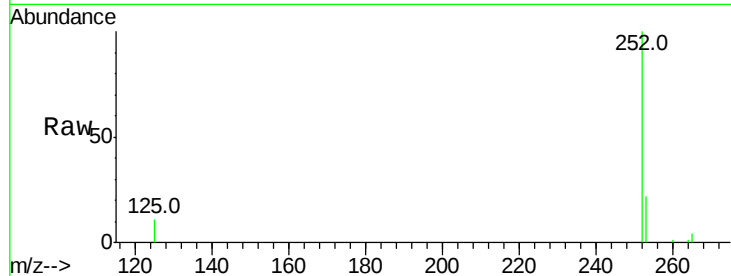
Tot Ion:252 Resp: 12784

Ion Ratio Lower Upper

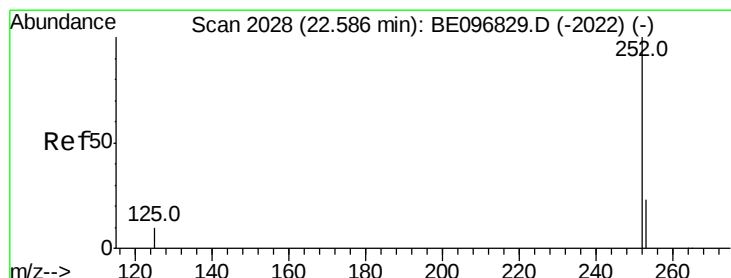
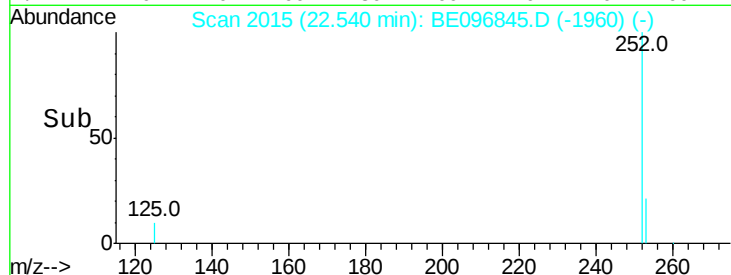
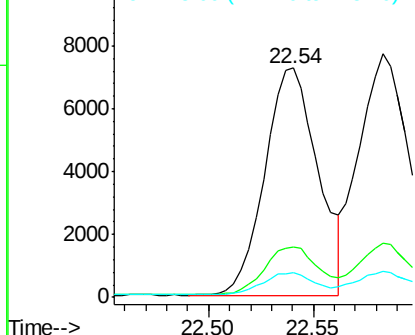
252 100

253 22.2 20.0 30.0

125 11.0 16.0 24.0#



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



#36

Benzo(k)fluoranthene

Concen: 0.351 ng

RT: 22.58 min Scan# 2027

Delta R.T. -0.00 min

Lab File: BE096845.D

Acq: 26 Jun 2018 10:32

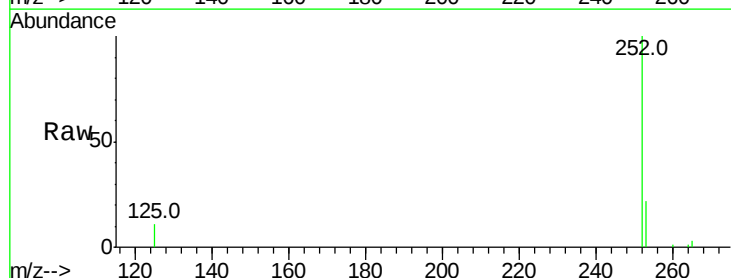
Tgt Ion:252 Resp: 14809

Ion Ratio Lower Upper

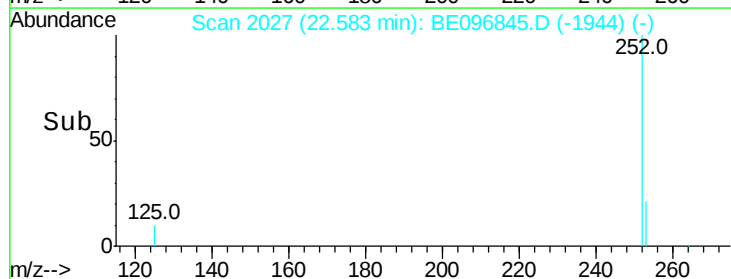
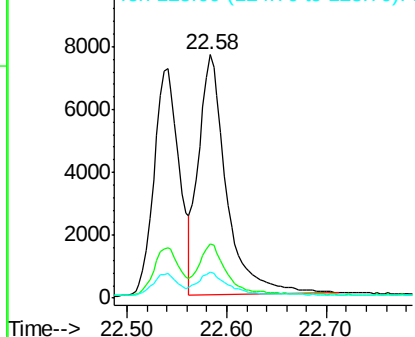
252 100

253 22.0 16.0 24.0

125 10.8 8.0 12.0



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





#37

Benzo(a)pyrene

Concen: 0.336 ng

RT: 23.11 min Scan# 2175

Delta R.T. -0.01 min

Lab File: BE096845.D

Acq: 26 Jun 2018 10:32

Instrument :

BNA_E

ClientSampleId :

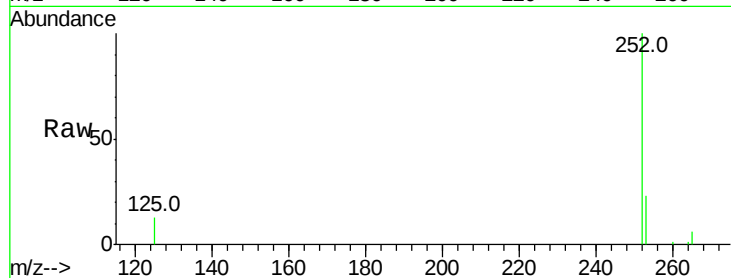
Tot Ion:252 Resp: 10531

Ion Ratio Lower Upper

252 100

253 23.1 16.0 24.0

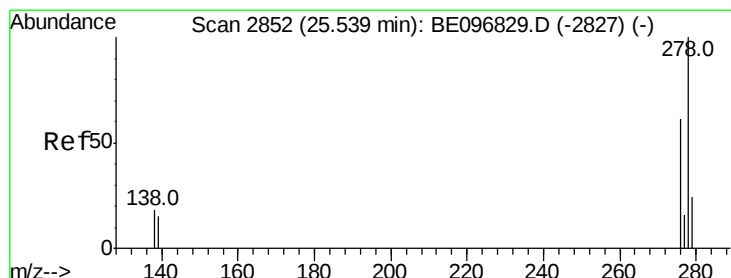
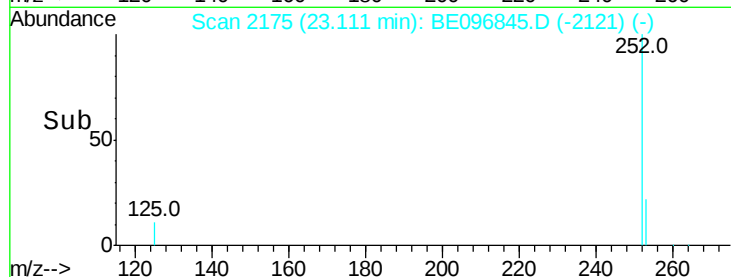
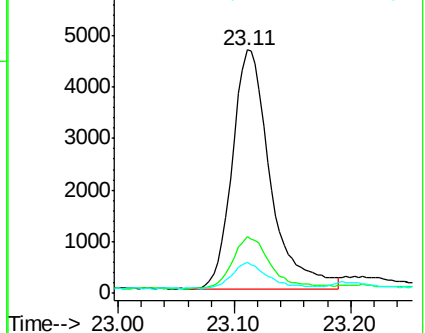
125 12.9 12.0 18.0



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: 0.339 ng

RT: 25.53 min Scan# 2850

Delta R.T. -0.01 min

Lab File: BE096845.D

Acq: 26 Jun 2018 10:32

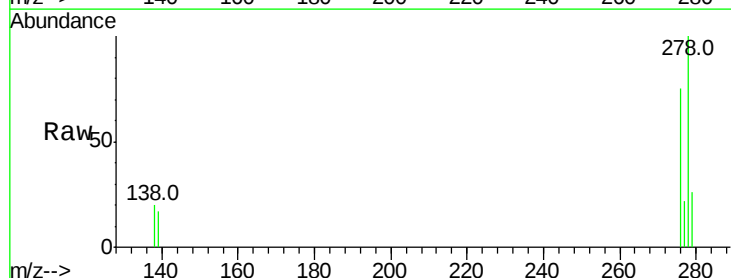
Tgt Ion:278 Resp: 9730

Ion Ratio Lower Upper

278 100

139 17.0 16.0 24.0

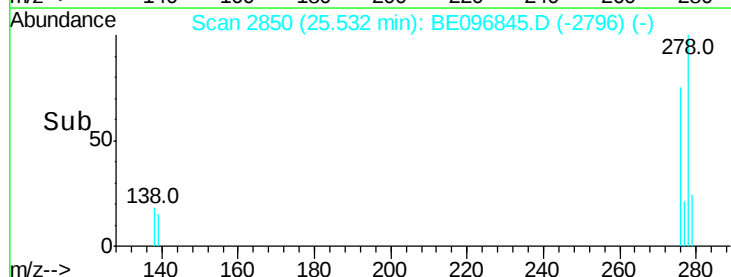
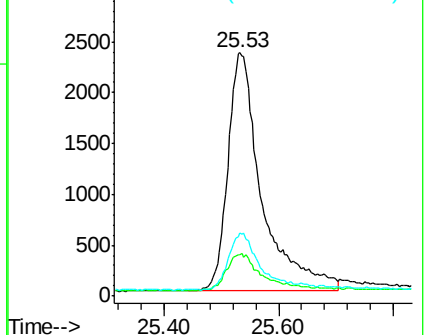
279 26.0 20.0 30.0



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: 0.326 ng

RT: 26.20 min Scan# 3037

Delta R.T. -0.01 min

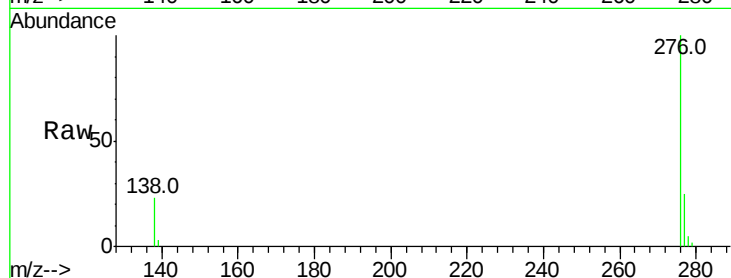
Lab File: BE096845.D

Acq: 26 Jun 2018 10:32

Instrument :

BNA_E

ClientSampleId :



Tot Ion:	276	Resp:	11422
Ion Ratio	Lower	Upper	
276	100		
277	24.8	16.0	24.0#
138	22.9	20.0	30.0

