

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE061818\
 Data File : BE096823.D
 Acq On : 19 Jun 2018 00:10
 Operator : SJ/JU
 Sample : J3467-14
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 19 01:27:05 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE061818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 18 13:28:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	2975	0.40	ng	0.00
7) Naphthalene-d8	10.16	136	14204	0.40	ng	0.00
13) Acenaphthene-d10	14.03	164	8006	0.40	ng	0.00
19) Phenanthrene-d10	16.78	188	22693	0.40	ng	0.00
27) Chrysene-d12	20.98	240	24326	0.40	ng	0.00
34) Perylene-d12	23.22	264	25400	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	1335	0.21	ng	0.00
5) Phenol-d6	6.60	99	1167	0.12	ng	0.00
8) Nitrobenzene-d5	8.53	82	3350	0.42	ng	0.00
11) 2-Methylnaphthalene-d10	11.74	152	6330	0.28	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	988	0.55	ng	0.01
15) 2-Fluorobiphenyl	12.64	172	12337	0.37	ng	0.00
25) Fluoranthene-d10	18.82	212	77706	0.35	ng	0.00
29) Terphenyl-d14	19.44	244	25782	0.47	ng	0.00

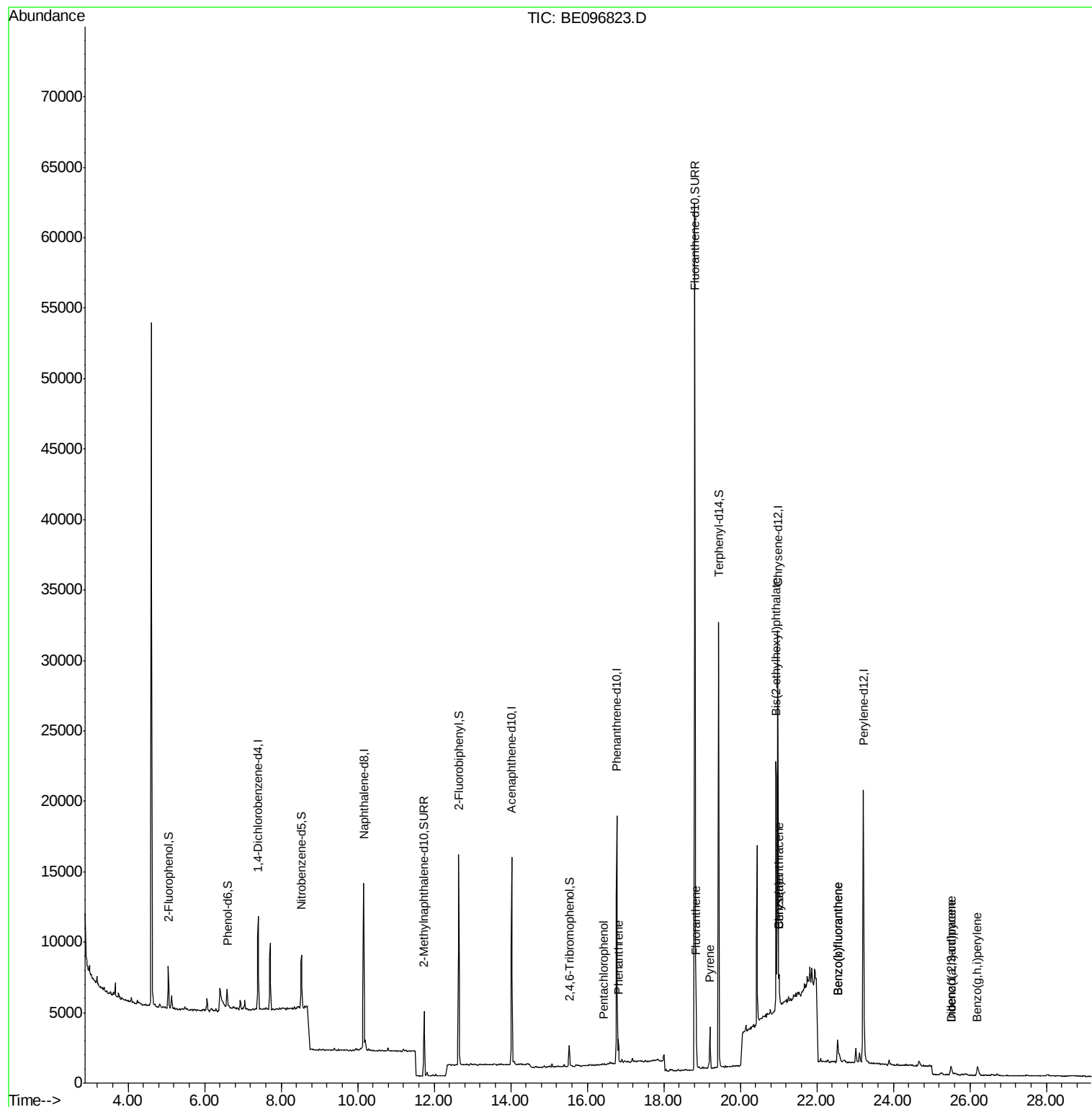
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
22) Pentachlorophenol	16.44	266	36	0.104	ng	99
23) Phenanthrene	16.81	178	1689	0.027	ng	# 92
26) Fluoranthene	18.84	202	3625	0.056	ng	96
28) Pyrene	19.21	202	2672	0.033	ng	# 96
30) Benzo(a)anthracene	21.01	228	2664	0.045	ng	# 83
31) Chrysene	21.01	228	2474	0.033	ng	# 83
32) Bis(2-ethylhexyl)phthalate	20.93	149	25405	0.573	ng	99
33) Indeno(1,2,3-cd)pyrene	25.50	276	1170	0.021	ng	# 78
35) Benzo(b)fluoranthene	22.54	252	2584	0.037	ng	# 62
36) Benzo(k)fluoranthene	22.54	252	2584	0.031	ng	# 44
38) Dibenzo(a,h)anthracene	25.52	278	223	0.080	ng	# 1
39) Benzo(g,h,i)perylene	26.21	276	1325	0.021	ng	# 71

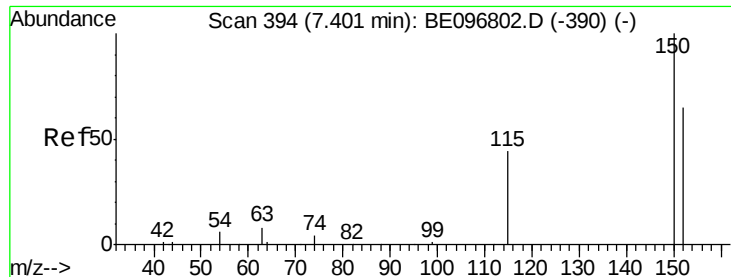
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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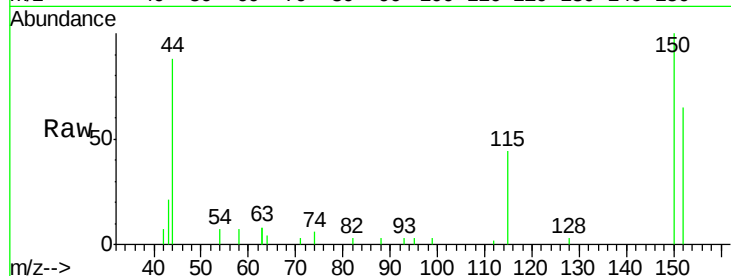


#1

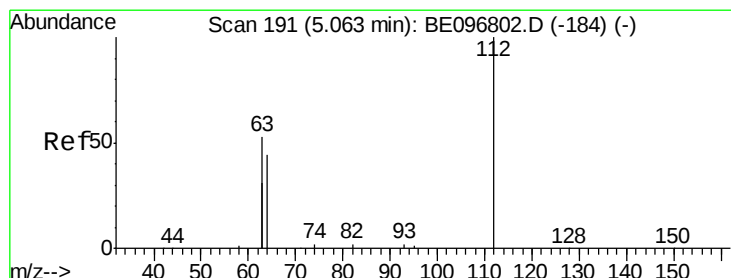
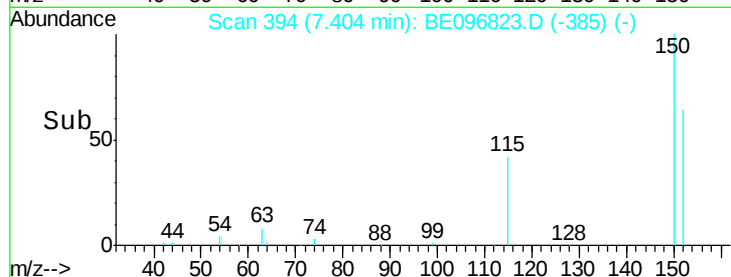
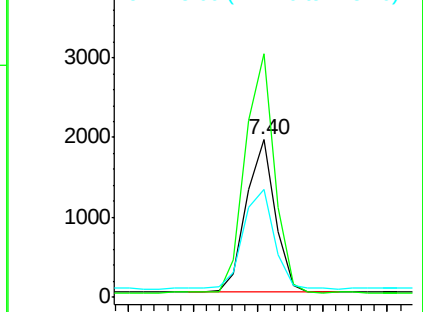
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 394
Delta R.T. 0.00 min
Lab File: BE096823.D
Acq: 19 Jun 2018 00:10

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 2975
Ion Ratio Lower Upper
152 100
150 154.6 117.2 175.8
115 68.7 57.0 85.6



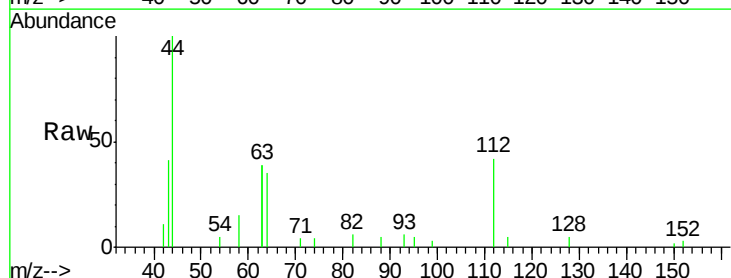
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



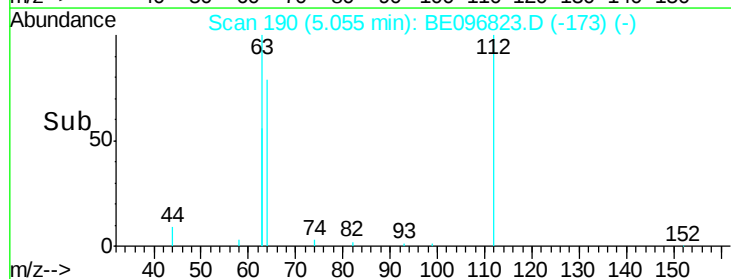
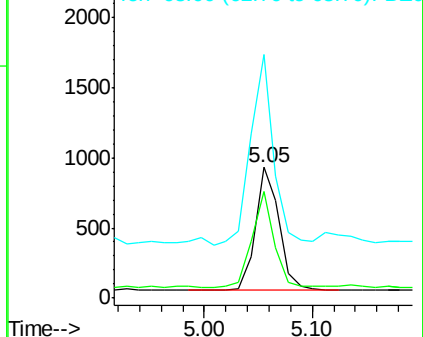
#4

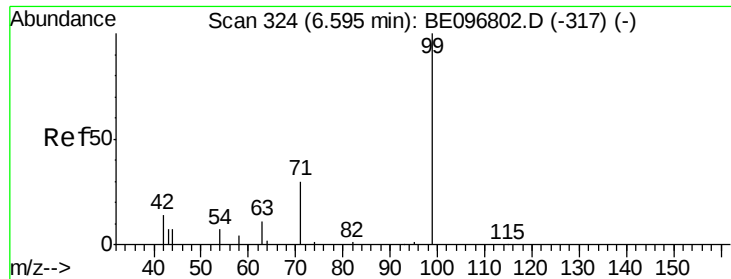
2-Fluorophenol
Concen: 0.205 ng
RT: 5.05 min Scan# 190
Delta R.T. -0.01 min
Lab File: BE096823.D
Acq: 19 Jun 2018 00:10

Tgt Ion:112 Resp: 1335
Ion Ratio Lower Upper
112 100
64 72.1 60.1 90.1
63 150.7 116.8 175.2



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: 0.120 ng

RT: 6.60 min Scan# 324

Delta R.T. 0.00 min

Lab File: BE096823.D

Acq: 19 Jun 2018 00:10

Instrument :

BNA_E

ClientSampleId :

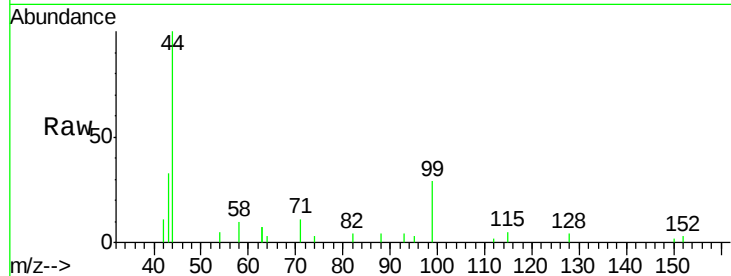
Tot Ion: 99 Resp: 1167

Ion Ratio Lower Upper

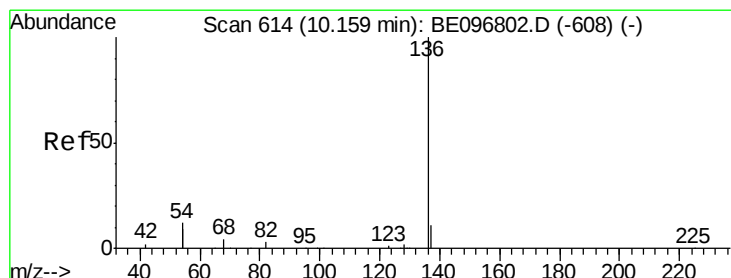
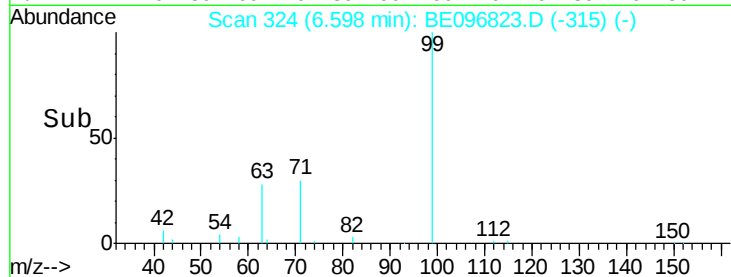
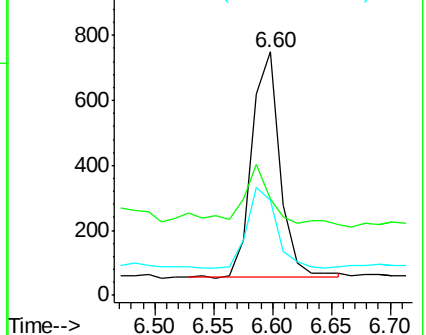
99 100

42 25.2 20.2 30.2

71 37.6 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



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.16 min Scan# 614

Delta R.T. -0.00 min

Lab File: BE096823.D

Acq: 19 Jun 2018 00:10

Tgt Ion:136 Resp: 14204

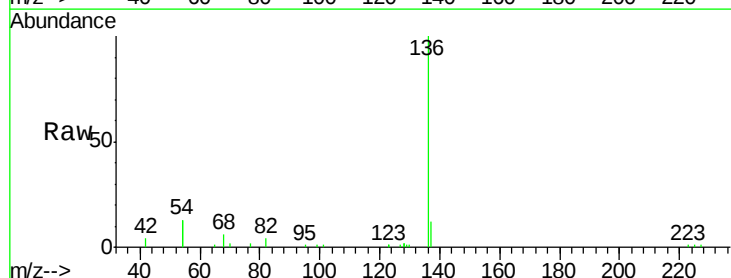
Ion Ratio Lower Upper

136 100

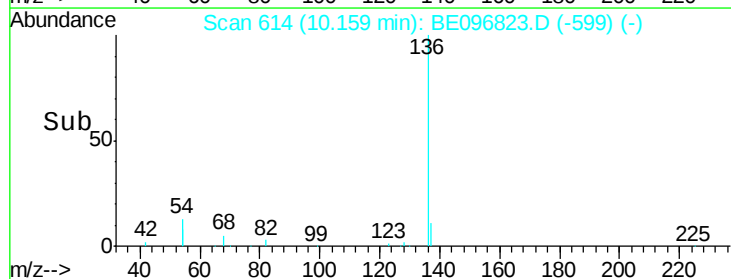
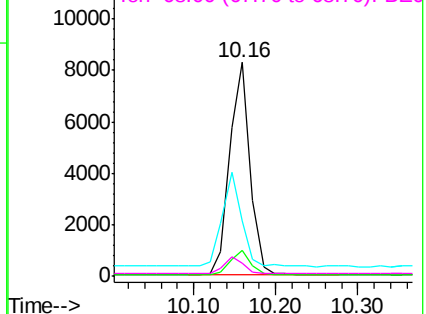
137 11.7 9.5 14.3

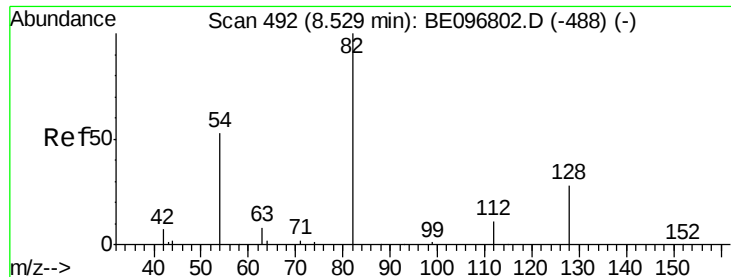
54 25.5 29.1 43.7#

68 5.8 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: BE096823.D

Acq: 19 Jun 2018 00:10

Instrument :

BNA_E

ClientSampleId :

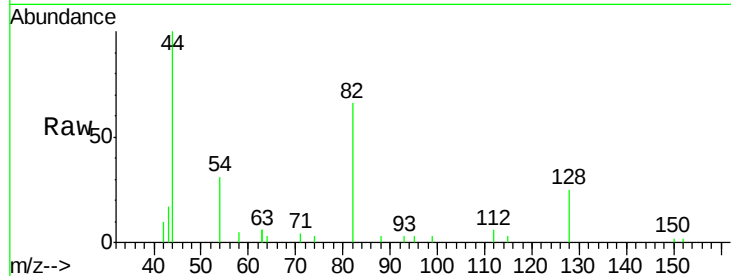
Tot Ion: 82 Resp: 3350

Ion Ratio Lower Upper

82 100

128 38.1 24.0 36.0#

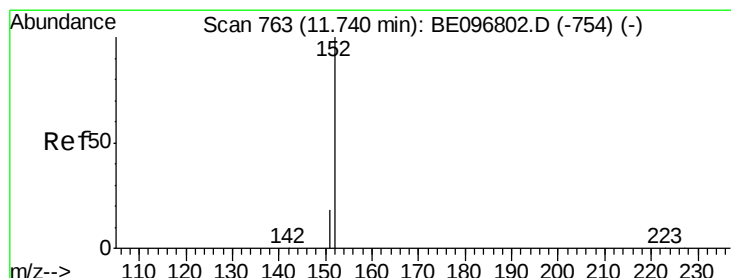
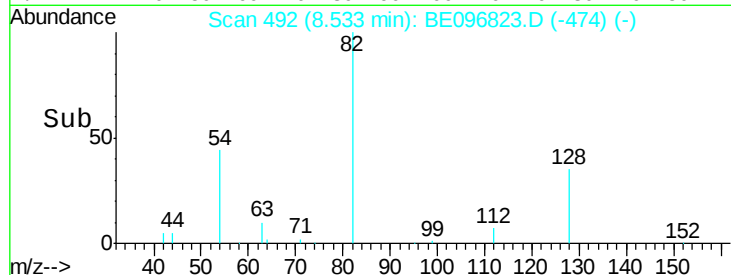
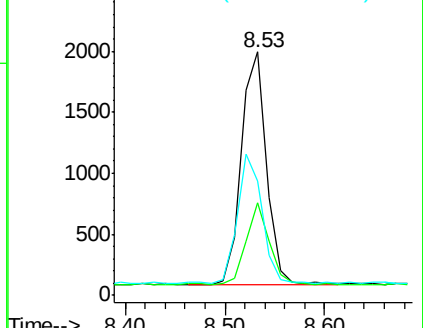
54 47.1 40.0 60.0



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#11

2-Methylnaphthalene-d10

Concen: 0.279 ng

RT: 11.74 min Scan# 763

Delta R.T. -0.00 min

Lab File: BE096823.D

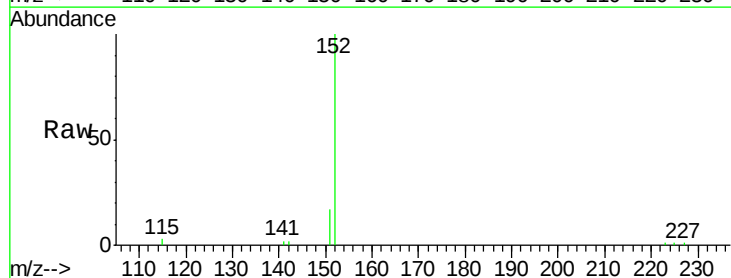
Acq: 19 Jun 2018 00:10

Tgt Ion: 152 Resp: 6330

Ion Ratio Lower Upper

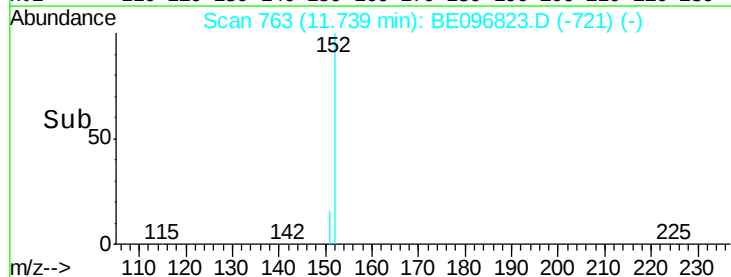
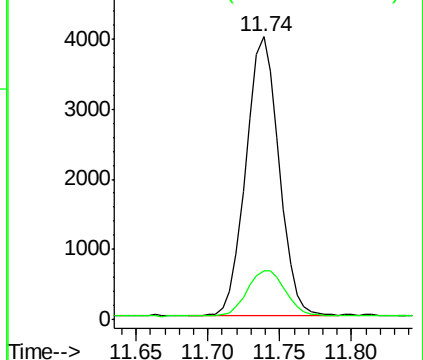
152 100

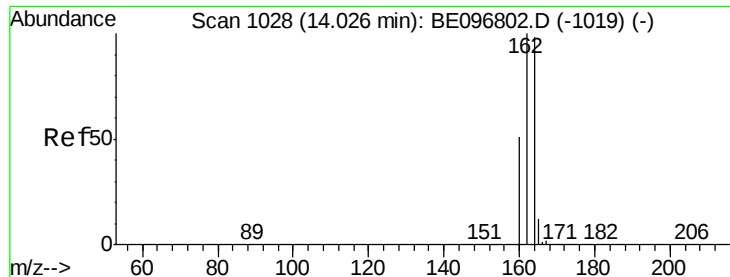
151 19.0 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1029

Delta R.T. 0.00 min

Lab File: BE096823.D

Acq: 19 Jun 2018 00:10

Instrument :

BNA_E

ClientSampleId :

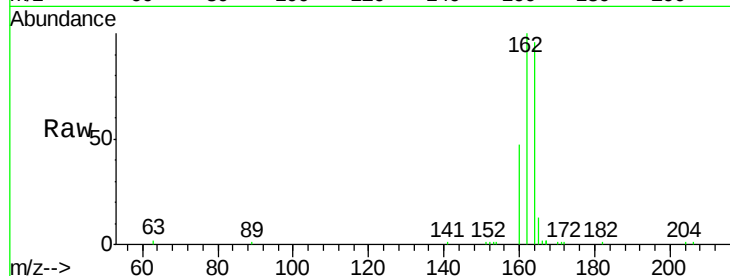
Tot Ion:164 Resp: 8006

Ion Ratio Lower Upper

164 100

162 104.5 83.1 124.7

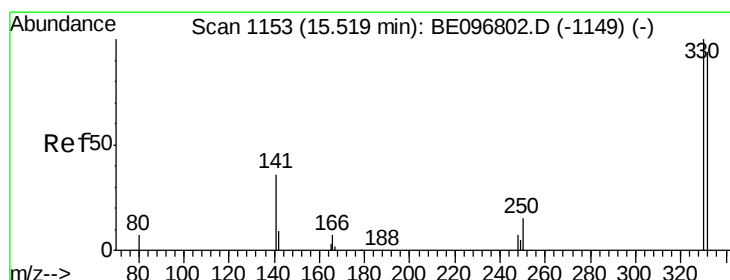
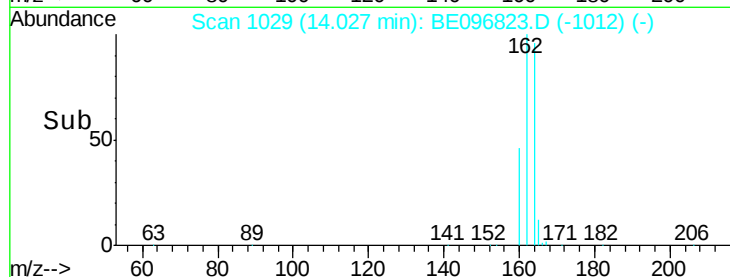
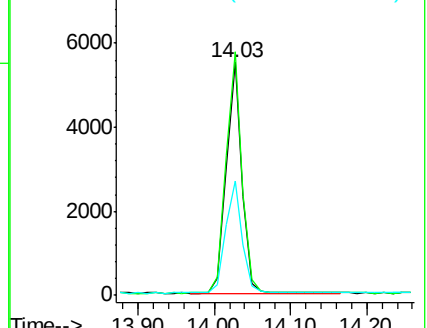
160 48.8 37.1 55.7



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: 0.547 ng

RT: 15.53 min Scan# 1155

Delta R.T. 0.01 min

Lab File: BE096823.D

Acq: 19 Jun 2018 00:10

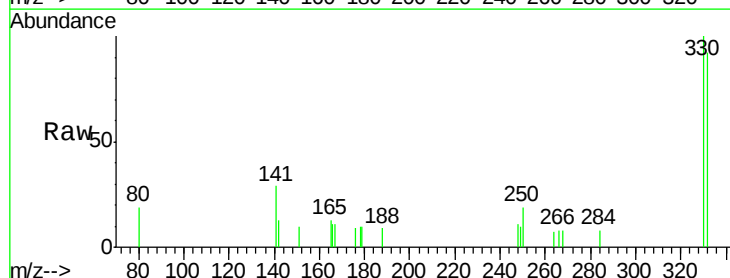
Tgt Ion:330 Resp: 988

Ion Ratio Lower Upper

330 100

332 90.8 152.7 229.1#

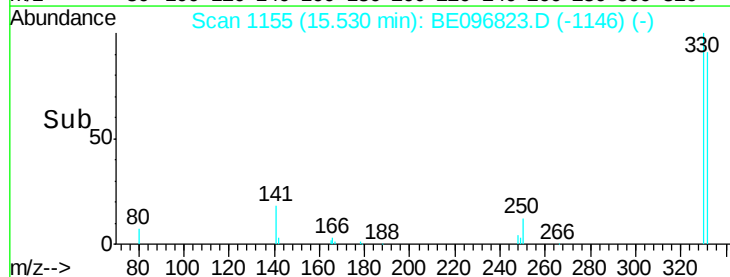
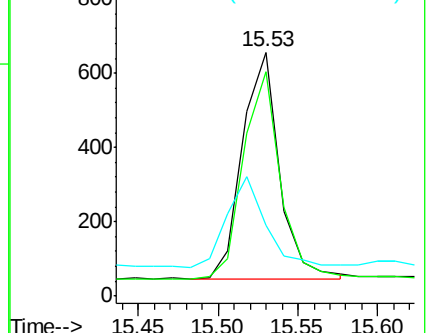
141 40.0 33.7 50.5

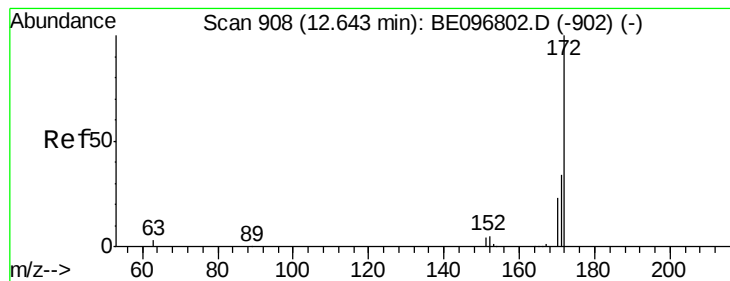


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

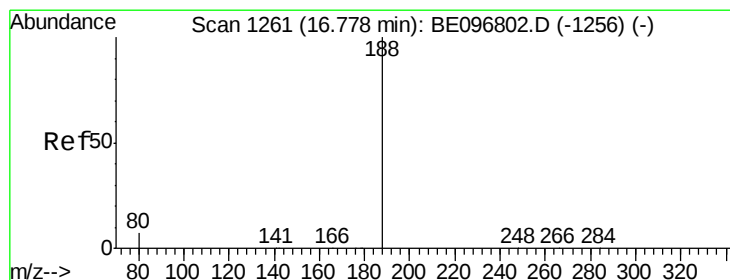
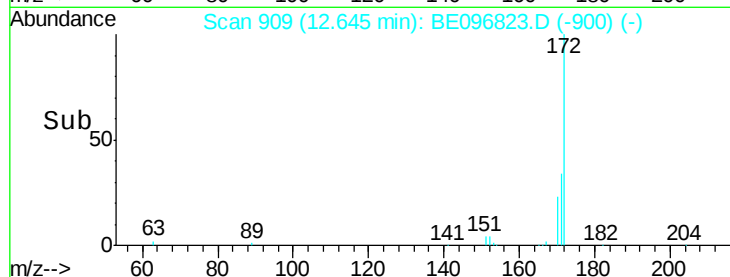
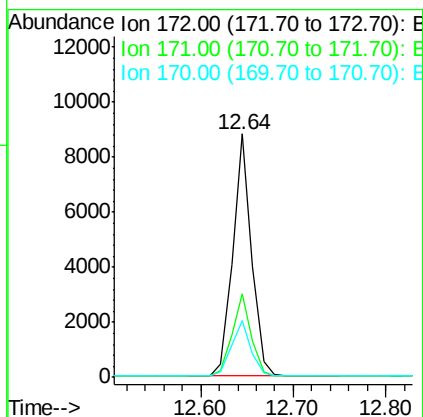
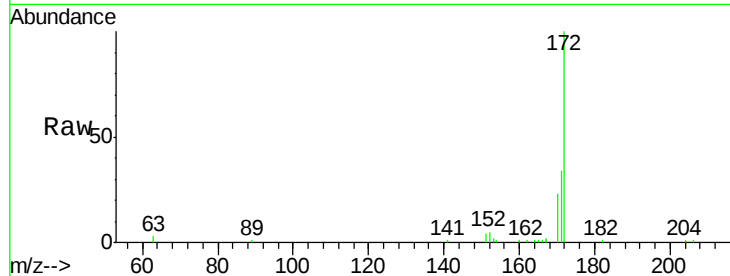




#15
2-Fluorobiphenyl
Concen: 0.375 ng
RT: 12.64 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE096823.D
Acq: 19 Jun 2018 00:10

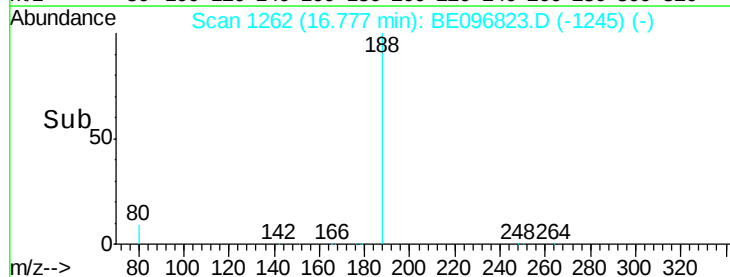
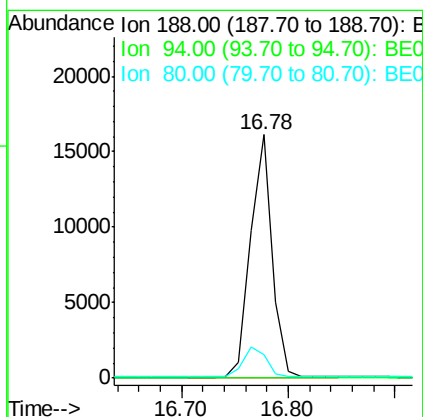
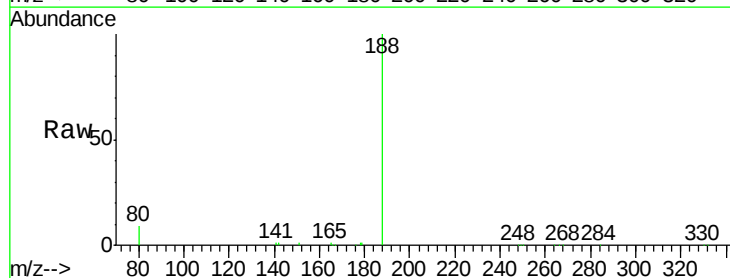
Instrument :
BNA_E
ClientSampleId :

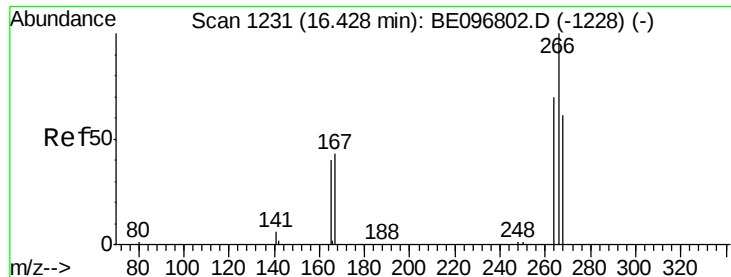
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.1	29.9	44.9
170	23.4	21.8	32.8



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.78 min Scan# 1262
Delta R.T. -0.00 min
Lab File: BE096823.D
Acq: 19 Jun 2018 00:10

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	9.4	3.6	5.4#

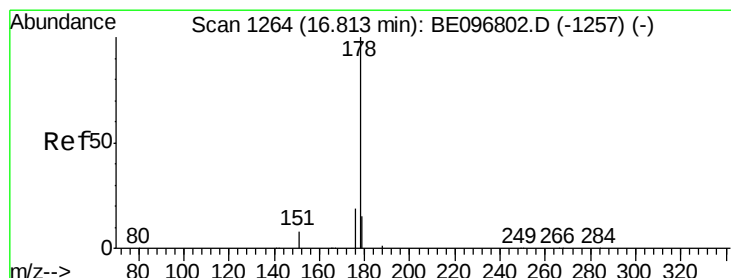
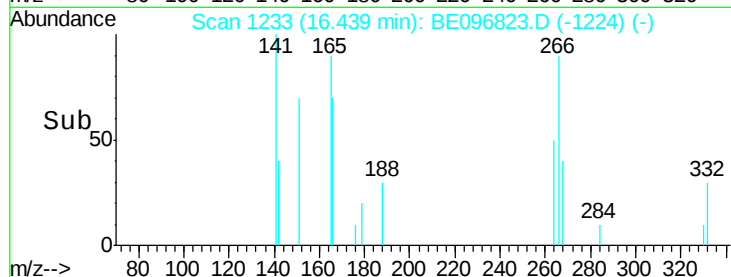
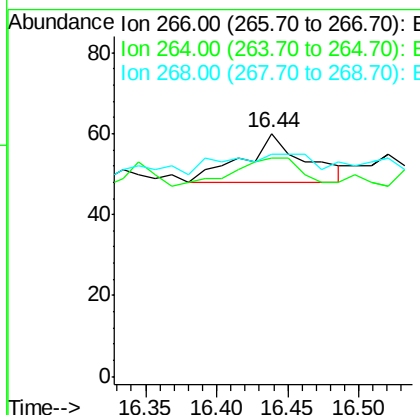
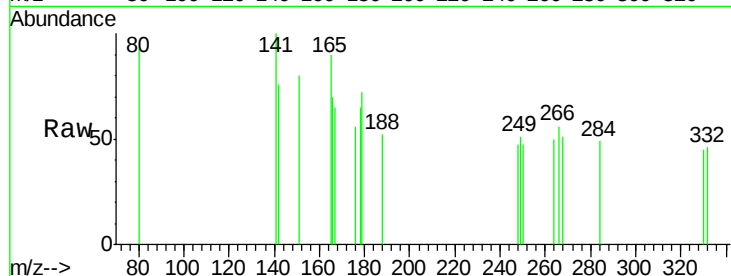




#22
 Pentachlorophenol
 Concen: 0.104 ng
 RT: 16.44 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: BE096823.D
 Acq: 19 Jun 2018 00:10

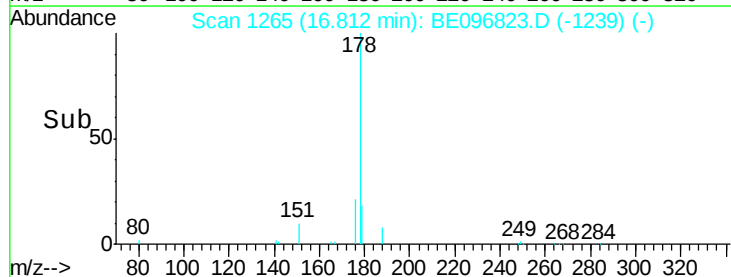
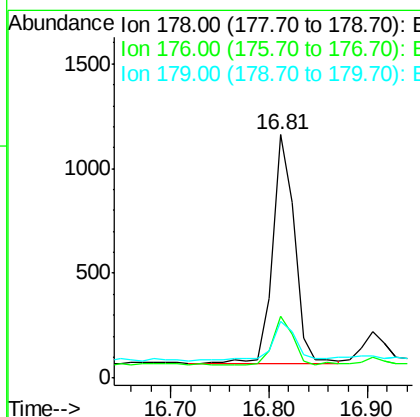
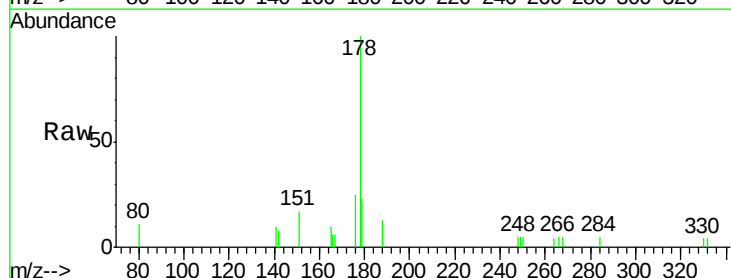
Instrument :
 BNA_E
 ClientSampleId :

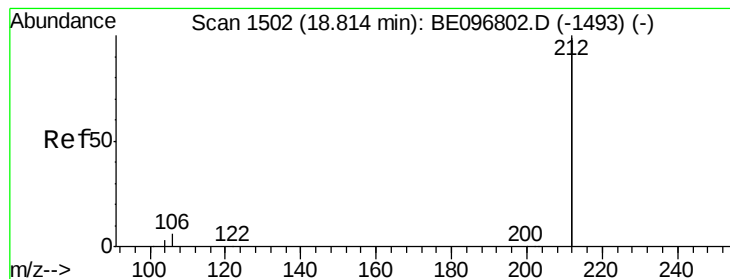
Tot Ion:266 Resp: 36
 Ion Ratio Lower Upper
 266 100
 264 90.0 72.5 108.7
 268 91.7 73.8 110.6



#23
 Phenanthrene
 Concen: 0.027 ng
 RT: 16.81 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: BE096823.D
 Acq: 19 Jun 2018 00:10

Tgt Ion:178 Resp: 1689
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.1 22.7
 179 20.6 11.8 17.6#





#25

Fluoranthene-d10

Concen: 0.350 ng

RT: 18.82 min Scan# 1504

Delta R.T. 0.00 min

Lab File: BE096823.D

Acq: 19 Jun 2018 00:10

Instrument :

BNA_E

ClientSampleId :

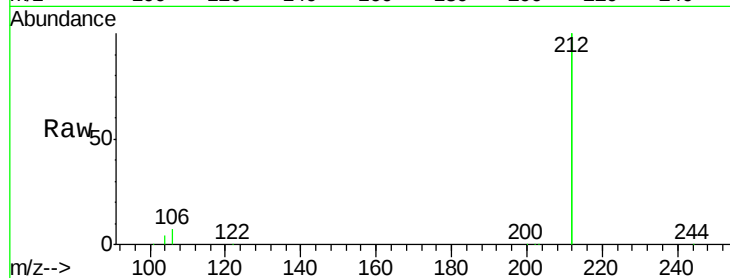
Tot Ion:212 Resp: 77706

Ion Ratio Lower Upper

212 100

106 3.6 2.8 4.2

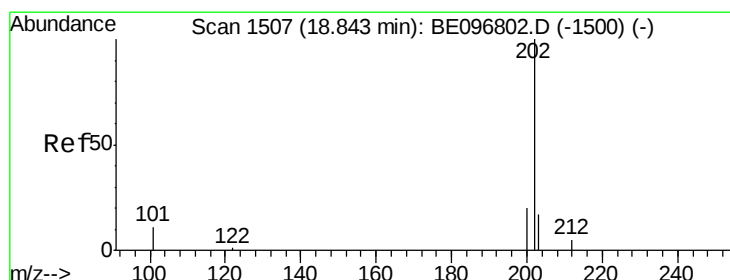
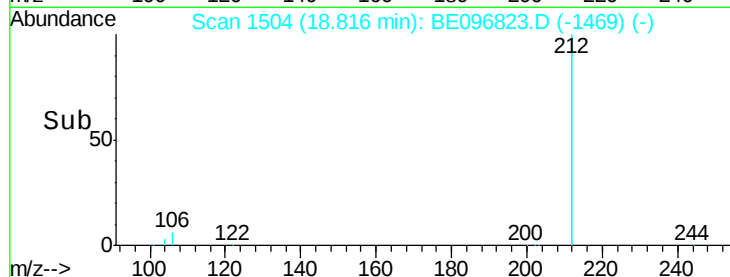
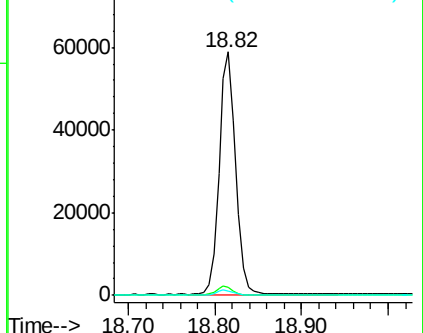
104 2.0 1.6 2.4



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: 0.056 ng

RT: 18.84 min Scan# 1509

Delta R.T. 0.00 min

Lab File: BE096823.D

Acq: 19 Jun 2018 00:10

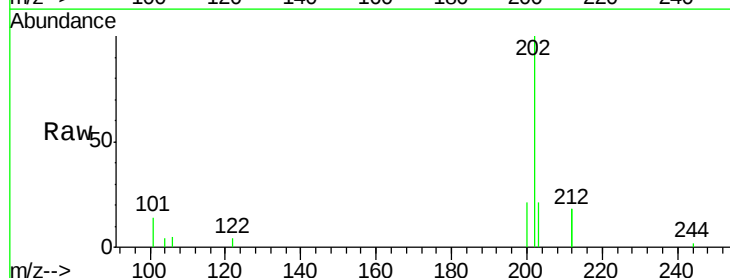
Tgt Ion:202 Resp: 3625

Ion Ratio Lower Upper

202 100

101 14.4 9.8 14.8

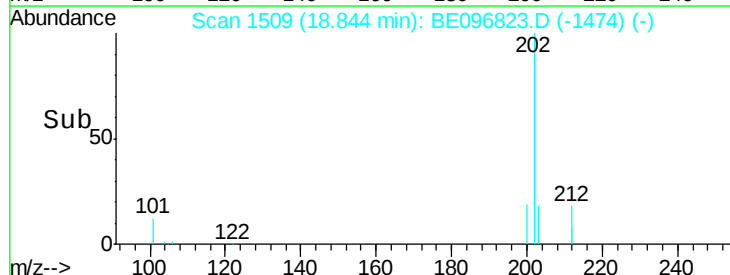
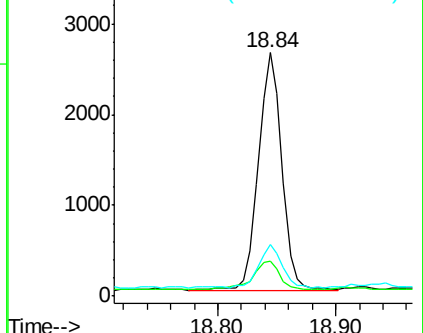
203 18.2 13.7 20.5

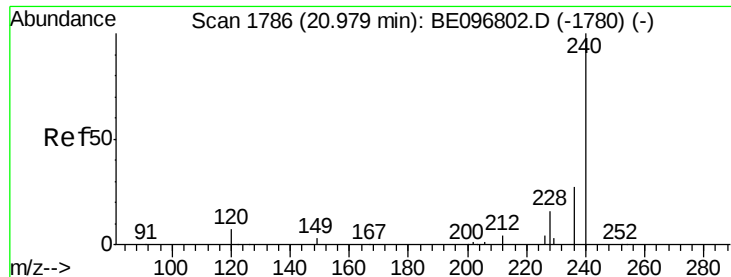


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

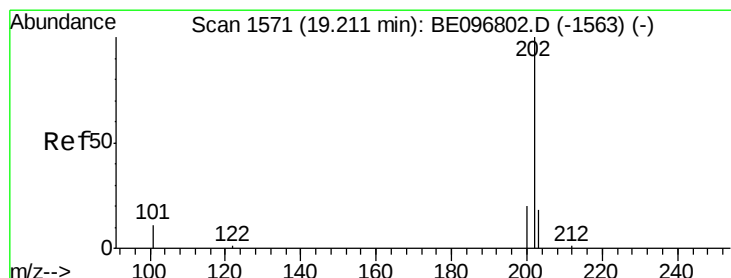
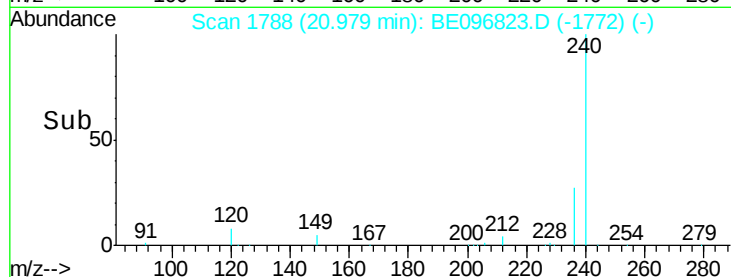
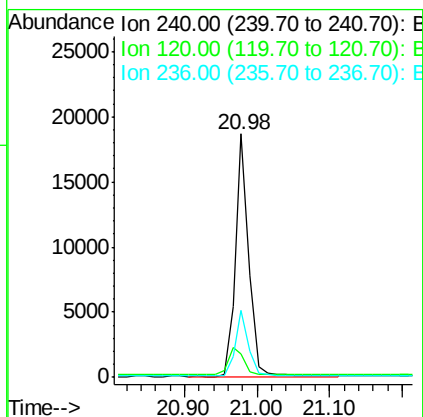
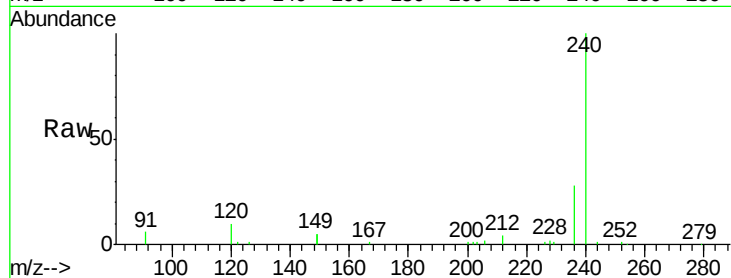




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 20.98 min Scan# 1788
 Delta R.T. -0.00 min
 Lab File: BE096823.D
 Acq: 19 Jun 2018 00:10

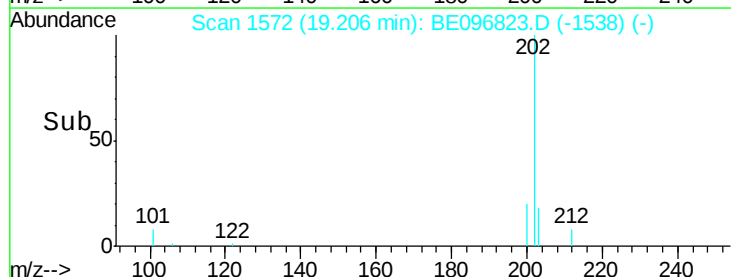
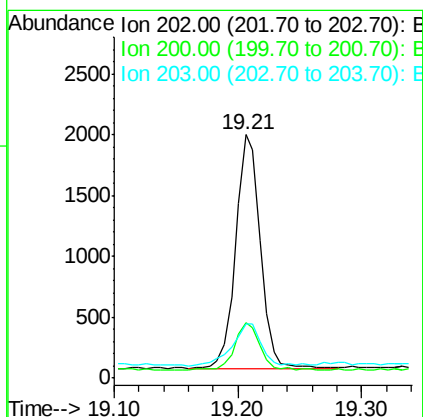
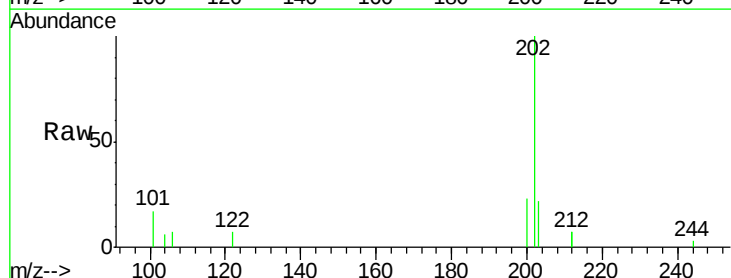
Instrument :
 BNA_E
 ClientSampleId :

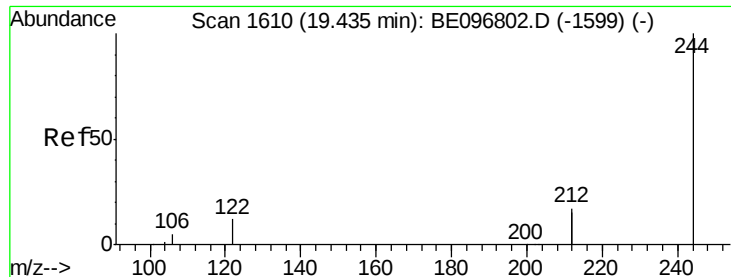
Tot Ion:240 Resp: 24326
 Ion Ratio Lower Upper
 240 100
 120 9.5 5.5 8.3#
 236 27.6 20.7 31.1



#28
 Pyrene
 Concen: 0.033 ng
 RT: 19.21 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: BE096823.D
 Acq: 19 Jun 2018 00:10

Tgt Ion:202 Resp: 2672
 Ion Ratio Lower Upper
 202 100
 200 21.1 16.6 25.0
 203 20.8 13.8 20.8#





#29

Terphenyl-d14

Concen: 0.468 ng

RT: 19.44 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BE096823.D

Acq: 19 Jun 2018 00:10

Instrument :

BNA_E

ClientSampleId :

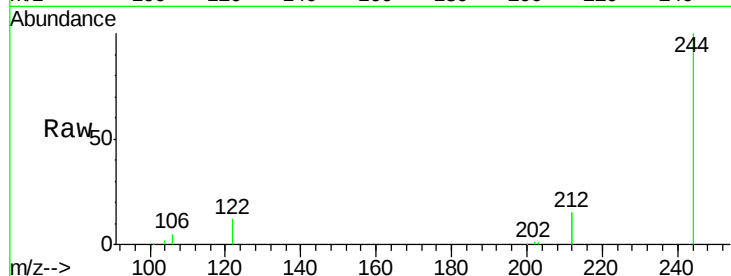
Tot Ion:244 Resp: 25782

Ion Ratio Lower Upper

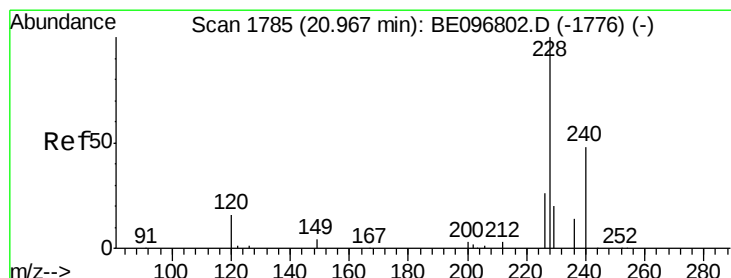
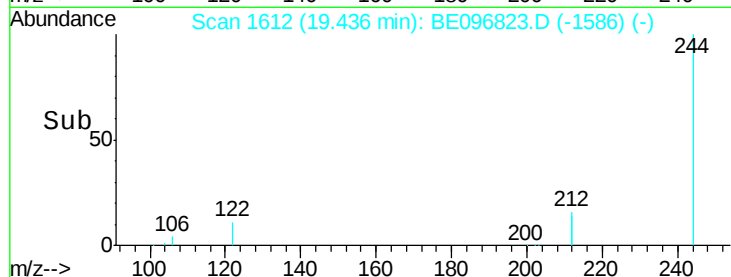
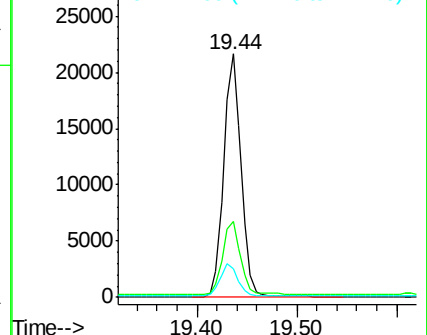
244 100

212 30.9 25.4 38.0

122 11.7 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: 0.045 ng

RT: 21.01 min Scan# 1791

Delta R.T. 0.05 min

Lab File: BE096823.D

Acq: 19 Jun 2018 00:10

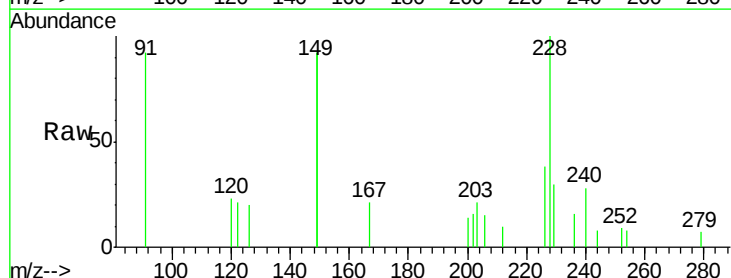
Tgt Ion:228 Resp: 2664

Ion Ratio Lower Upper

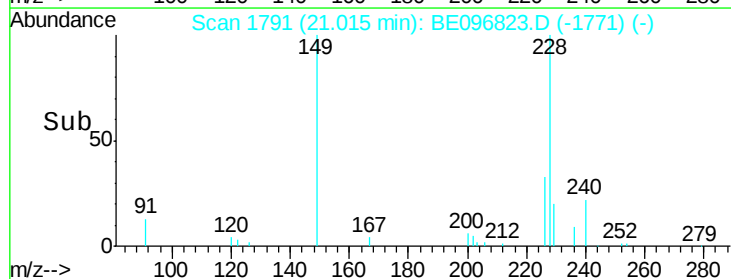
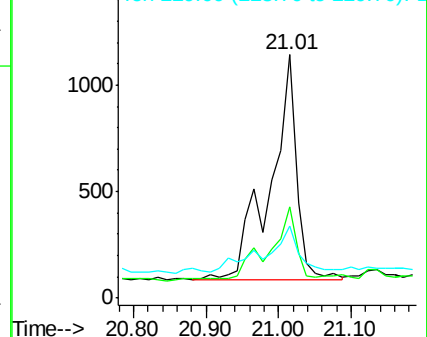
228 100

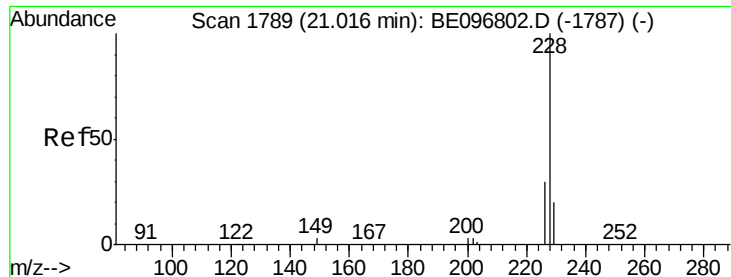
226 37.7 24.0 36.0#

229 29.7 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: 0.033 ng

RT: 21.01 min Scan# 1791

Delta R.T. -0.00 min

Lab File: BE096823.D

Acq: 19 Jun 2018 00:10

Instrument :

BNA_E

ClientSampleId :

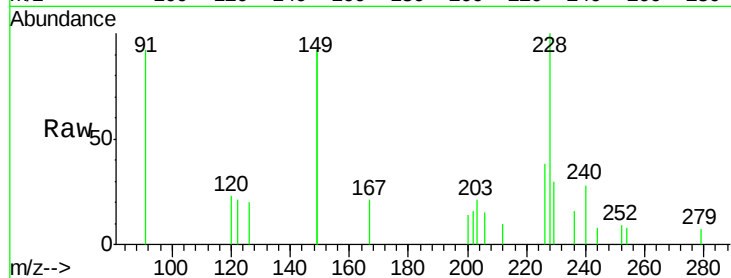
Tot Ion:228 Resp: 2474

Ion Ratio Lower Upper

228 100

226 37.7 24.0 36.0#

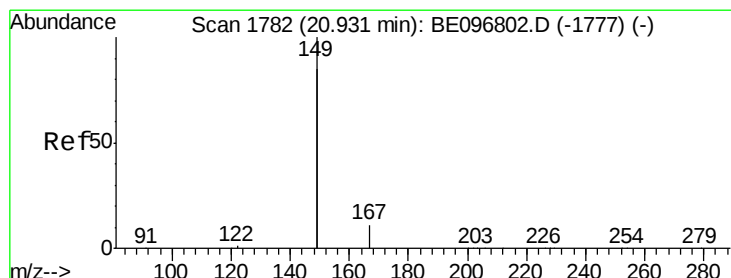
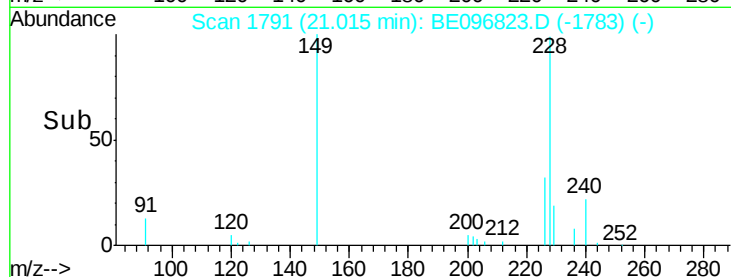
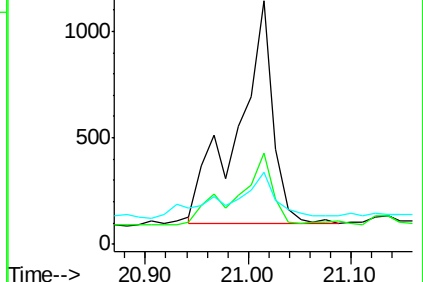
229 29.7 16.0 24.0#



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.573 ng

RT: 20.93 min Scan# 1784

Delta R.T. -0.00 min

Lab File: BE096823.D

Acq: 19 Jun 2018 00:10

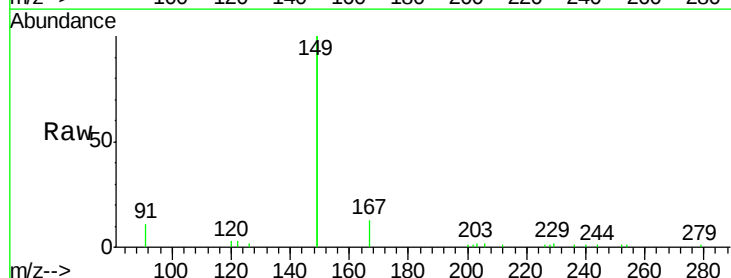
Tgt Ion:149 Resp: 25405

Ion Ratio Lower Upper

149 100

167 7.1 5.4 8.0

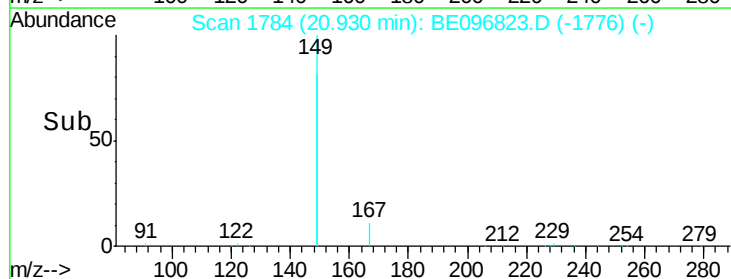
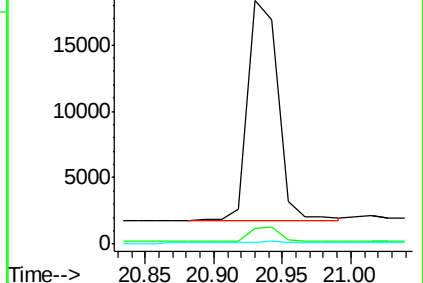
279 0.8 0.7 1.1

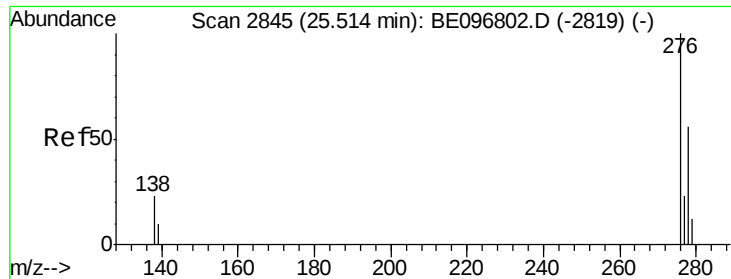


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

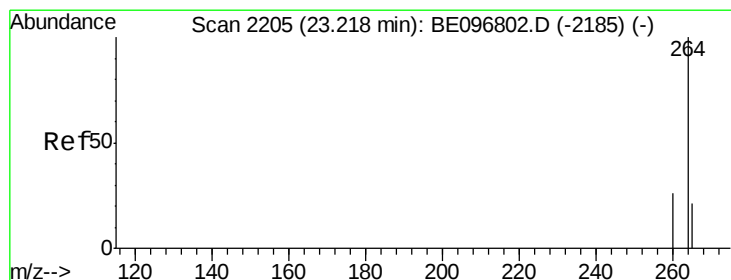
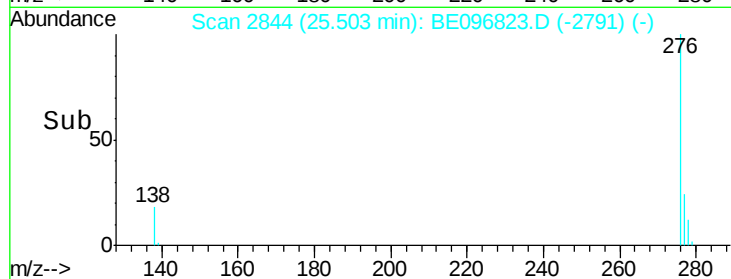
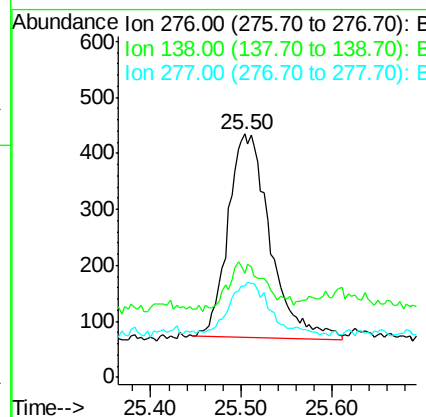
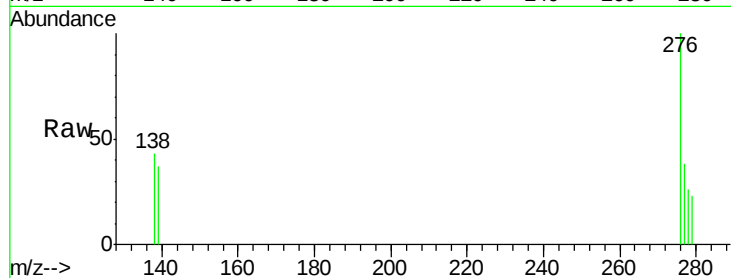




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.021 ng
 RT: 25.50 min Scan# 2844
 Delta R.T. -0.01 min
 Lab File: BE096823.D
 Acq: 19 Jun 2018 00:10

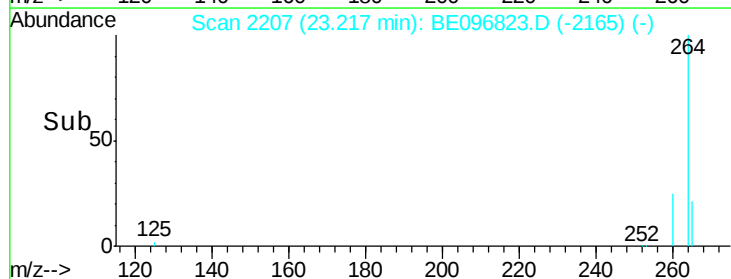
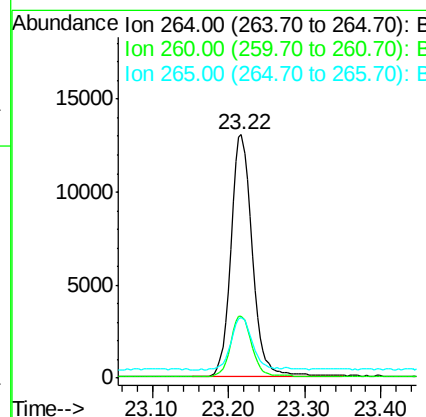
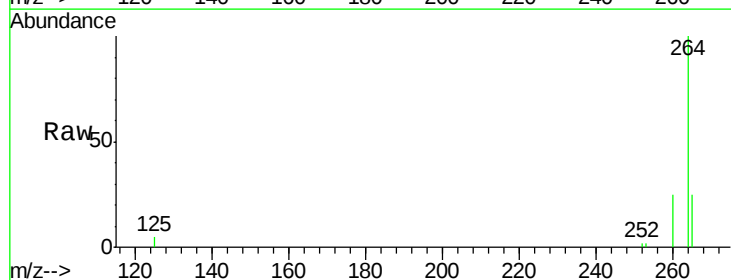
Instrument :
 BNA_E
 ClientSampleId :

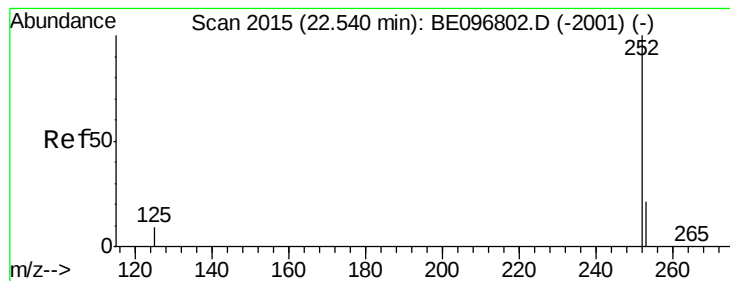
Tot Ion:276 Resp: 1170
 Ion Ratio Lower Upper
 276 100
 138 9.9 22.5 33.7#
 277 21.4 19.9 29.9



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.22 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: BE096823.D
 Acq: 19 Jun 2018 00:10

Tgt Ion:264 Resp: 25400
 Ion Ratio Lower Upper
 264 100
 260 25.3 20.5 30.7
 265 24.8 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.037 ng

RT: 22.54 min Scan# 2018

Delta R.T. 0.00 min

Lab File: BE096823.D

Acq: 19 Jun 2018 00:10

Instrument :

BNA_E

ClientSampleId :

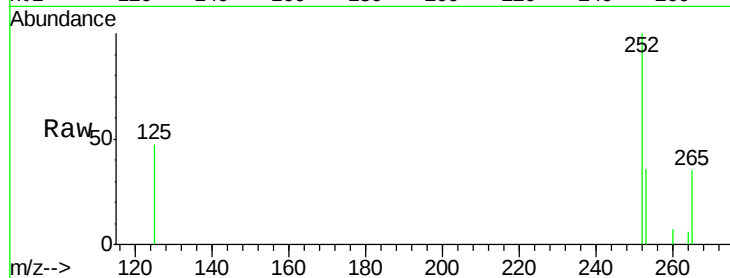
Tot Ion:252 Resp: 2584

Ion Ratio Lower Upper

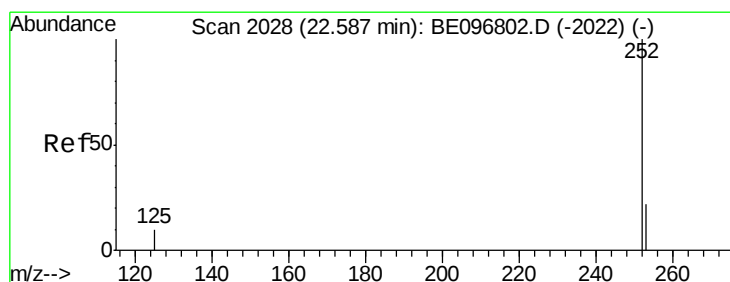
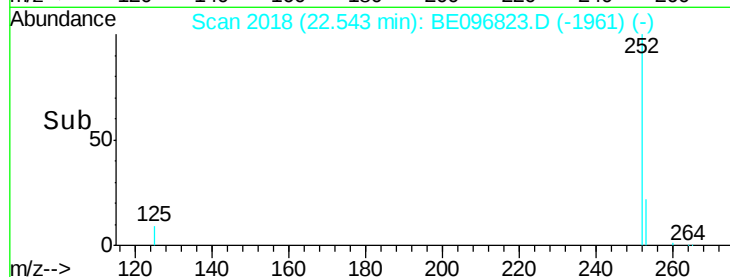
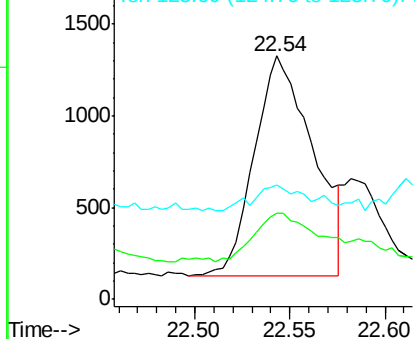
252 100

253 35.6 20.0 30.0#

125 47.0 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: 0.031 ng

RT: 22.54 min Scan# 2018

Delta R.T. -0.04 min

Lab File: BE096823.D

Acq: 19 Jun 2018 00:10

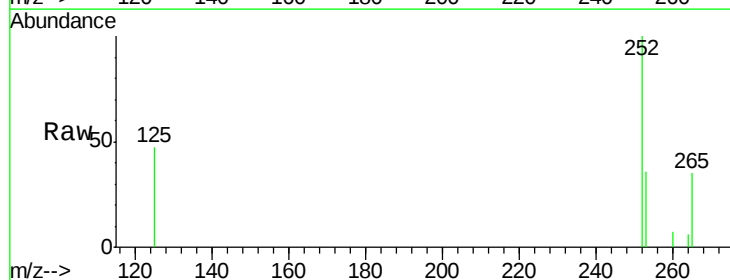
Tgt Ion:252 Resp: 2584

Ion Ratio Lower Upper

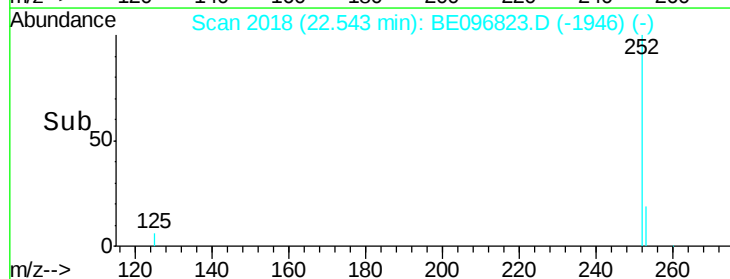
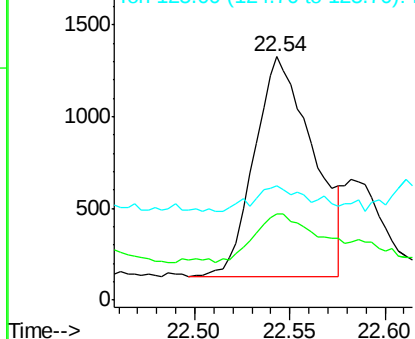
252 100

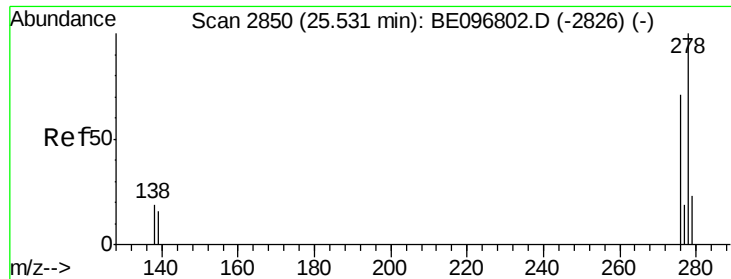
253 35.6 16.0 24.0#

125 47.0 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





#38

Dibenzo(a,h)anthracene

Concen: 0.080 ng

RT: 25.52 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BE096823.D

Acq: 19 Jun 2018 00:10

Instrument :

BNA_E

ClientSampleId :

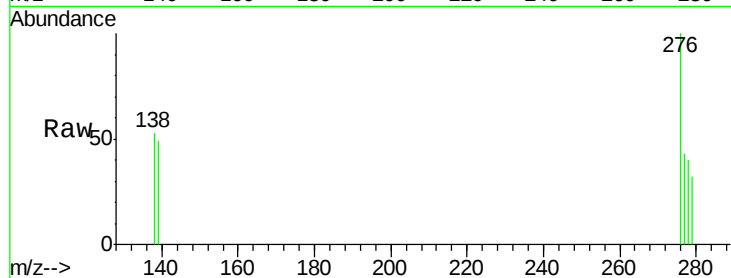
Tot Ion:278 Resp: 223

Ion Ratio Lower Upper

278 100

139 122.6 16.0 24.0#

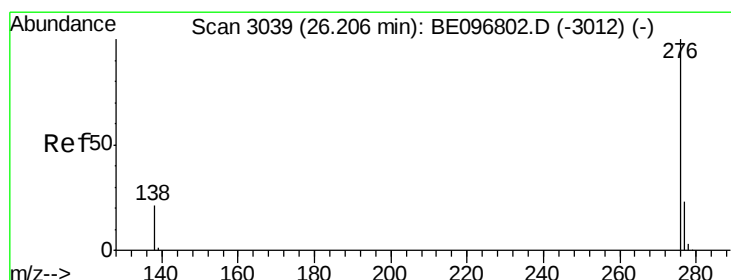
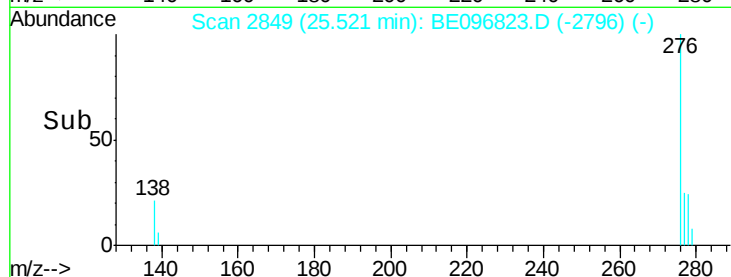
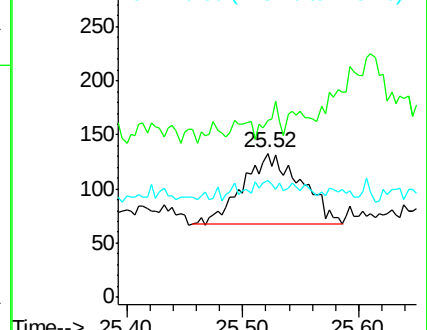
279 81.2 20.0 30.0#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#39

Benzo(g,h,i)perylene

Concen: 0.021 ng

RT: 26.21 min Scan# 3041

Delta R.T. 0.00 min

Lab File: BE096823.D

Acq: 19 Jun 2018 00:10

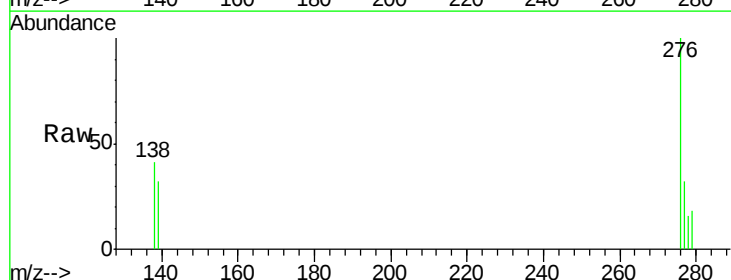
Tgt Ion:276 Resp: 1325

Ion Ratio Lower Upper

276 100

277 32.2 16.0 24.0#

138 40.9 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

