

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071318\
 Data File : BE096918.D
 Acq On : 14 Jul 2018 00:42
 Operator : SJ/JU
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 14 03:51:55 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	2366	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	12854	0.40	ng	0.00
13) Acenaphthene-d10	14.03	164	7048	0.40	ng	0.00
19) Phenanthrene-d10	16.78	188	16495	0.40	ng	0.01
27) Chrysene-d12	20.98	240	15639	0.40	ng	0.00
34) Perylene-d12	23.21	264	16457	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	2603	0.49	ng	0.00
5) Phenol-d6	6.59	99	3953	0.50	ng	0.00
8) Nitrobenzene-d5	8.52	82	3786	0.49	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	7588	0.41	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	805	0.49	ng	0.00
15) 2-Fluorobiphenyl	12.64	172	10281	0.40	ng	0.00
25) Fluoranthene-d10	18.81	212	58919	0.41	ng	0.00
29) Terphenyl-d14	19.43	244	11521	0.38	ng	0.00

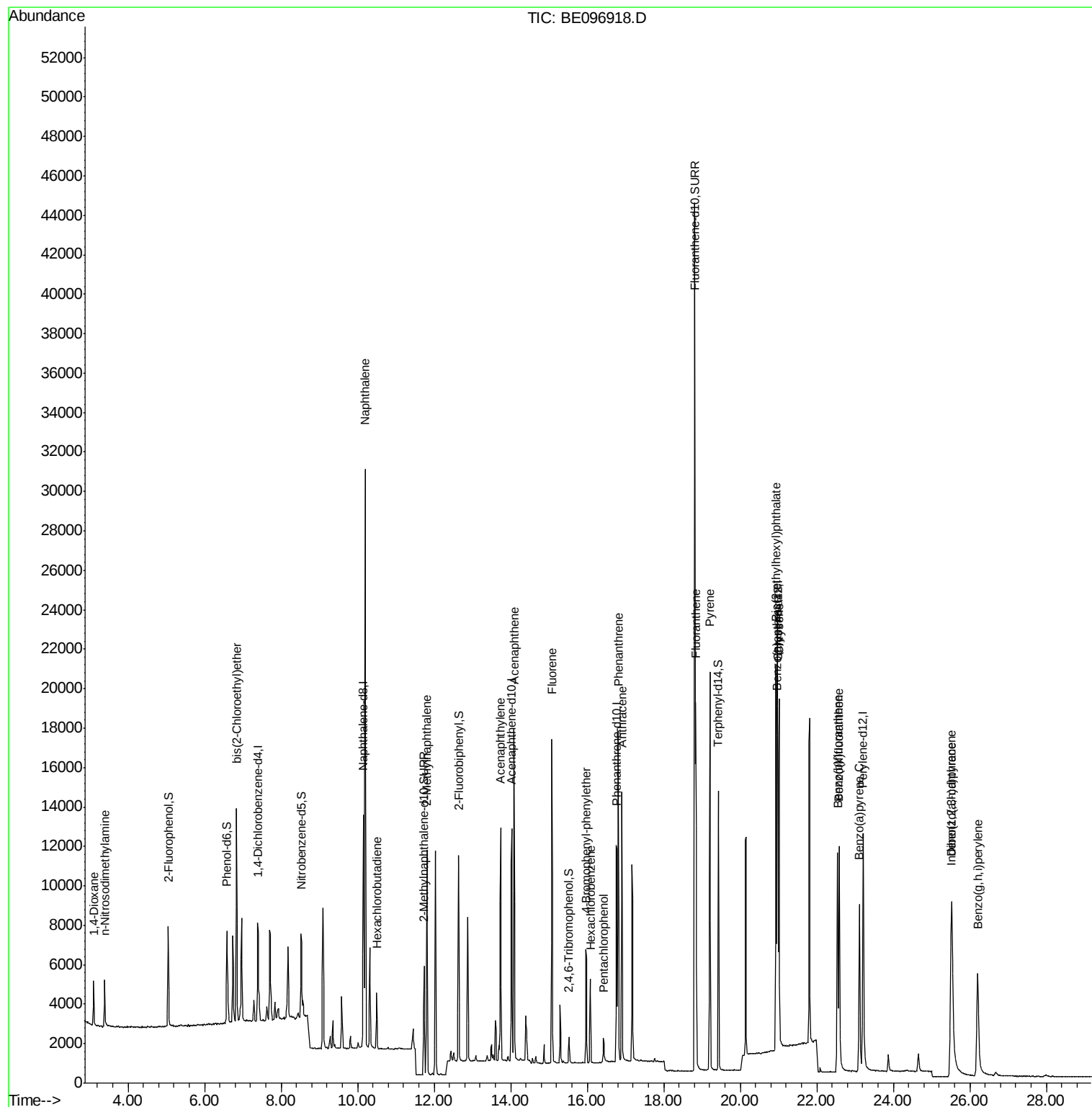
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.10	88	1383	0.390	ng	# 87
3) n-Nitrosodimethylamine	3.38	42	1556	0.414	ng	# 92
6) bis(2-Chloroethyl)ether	6.84	93	3467	0.401	ng	93
9) Naphthalene	10.20	128	45166	0.387	ng	100
10) Hexachlorobutadiene	10.50	225	1801	0.371	ng	97
12) 2-Methylnaphthalene	11.81	142	7828	0.405	ng	98
16) Acenaphthylene	13.74	152	12744	0.417	ng	100
17) Acenaphthene	14.08	154	8053	0.399	ng	96
18) Fluorene	15.07	166	9013	0.380	ng	# 79
20) 4-Bromophenyl-phenylether	15.98	248	3088	0.415	ng	# 78
21) Hexachlorobenzene	16.09	284	3445	0.406	ng	# 80
22) Pentachlorophenol	16.43	266	794	0.581	ng	# 73
23) Phenanthrene	16.81	178	15882	0.392	ng	99
24) Anthracene	16.90	178	13767	0.410	ng	95
26) Fluoranthene	18.84	202	16918	0.413	ng	99
28) Pyrene	19.21	202	18205	0.402	ng	98
30) Benzo(a)anthracene	20.96	228	14953	0.431	ng	99
31) Chrysene	21.02	228	15649	0.366	ng	99
32) Bis(2-ethylhexyl)phthalate	20.93	149	19731	0.636	ng	100
33) Indeno(1,2,3-cd)pyrene	25.51	276	15815	0.497	ng	96
35) Benzo(b)fluoranthene	22.54	252	14260	0.318	ng	# 88
36) Benzo(k)fluoranthene	22.59	252	16467	0.345	ng	95
37) Benzo(a)pyrene	23.11	252	13353	0.374	ng	# 94
38) Dibenzo(a,h)anthracene	25.53	278	12779	0.374	ng	97
39) Benzo(g,h,i)perylene	26.20	276	13575	0.340	ng	# 92

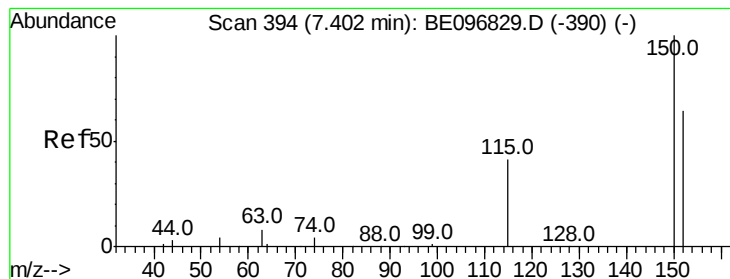
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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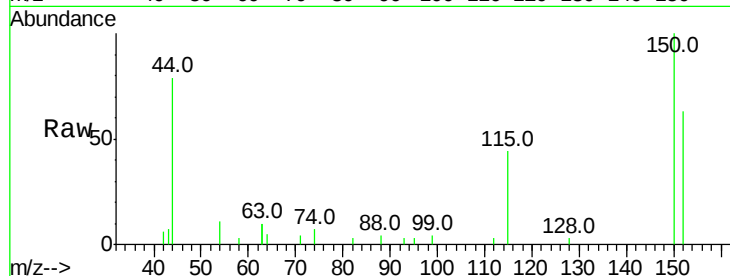


#1

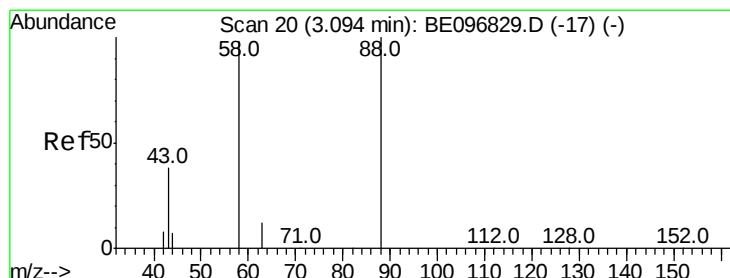
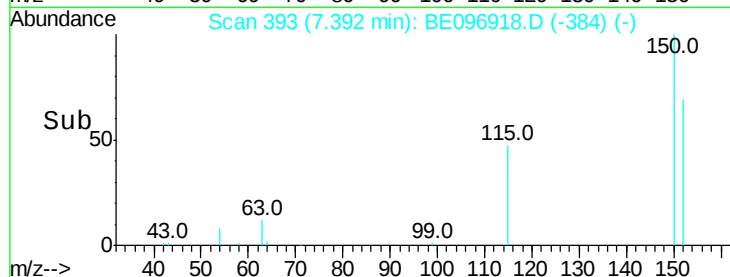
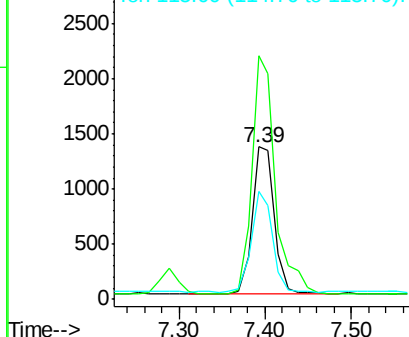
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. -0.00 min
Lab File: BE096918.D
Acq: 14 Jul 2018 00:42

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 2366
Ion Ratio Lower Upper
152 100
150 159.7 117.2 175.8
115 70.8 57.0 85.6



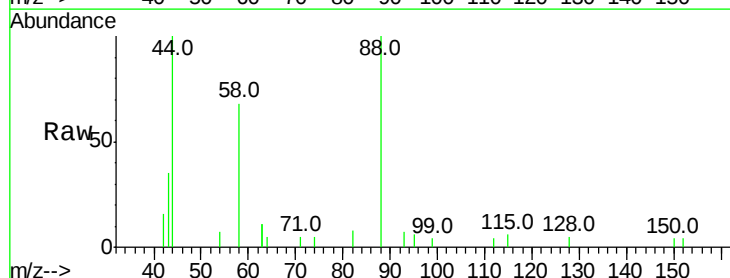
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



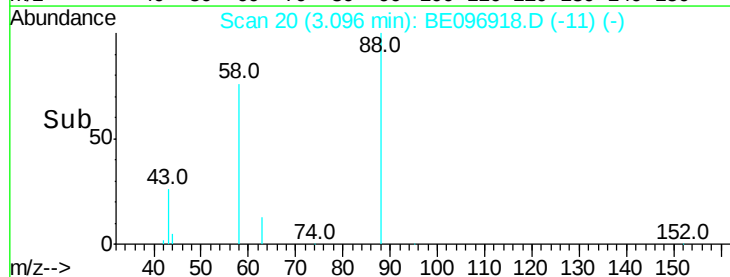
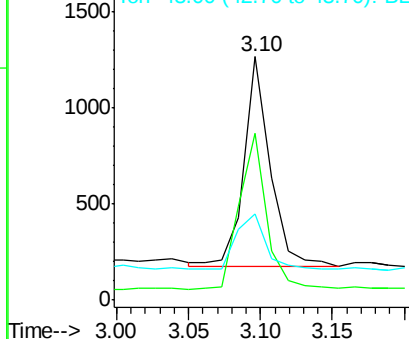
#2

1,4-Dioxane
Concen: 0.390 ng
RT: 3.10 min Scan# 20
Delta R.T. -0.00 min
Lab File: BE096918.D
Acq: 14 Jul 2018 00:42

Tgt Ion: 88 Resp: 1383
Ion Ratio Lower Upper
88 100
58 77.2 63.2 94.8
43 30.4 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



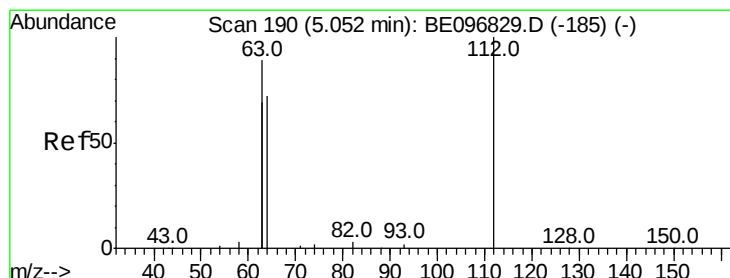
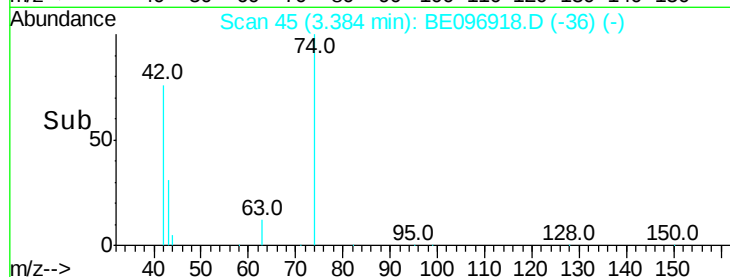
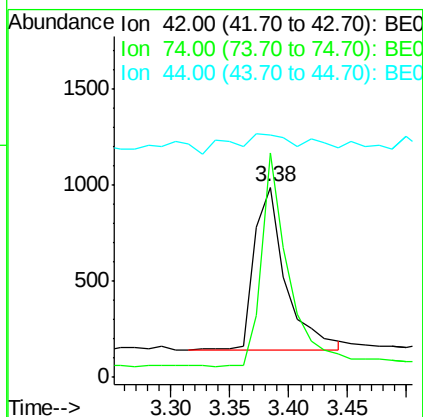
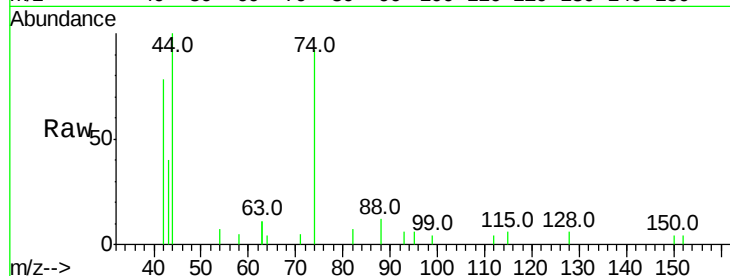


#3

n-Nitrosodimethylamine
 Concen: 0.414 ng
 RT: 3.38 min Scan# 45
 Delta R.T. -0.00 min
 Lab File: BE096918.D
 Acq: 14 Jul 2018 00:42

Instrument :
 BNA_E
 ClientSampleId :

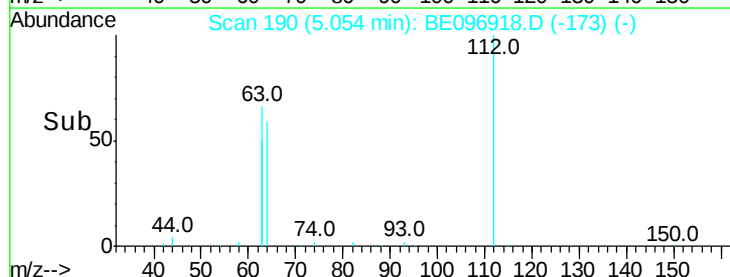
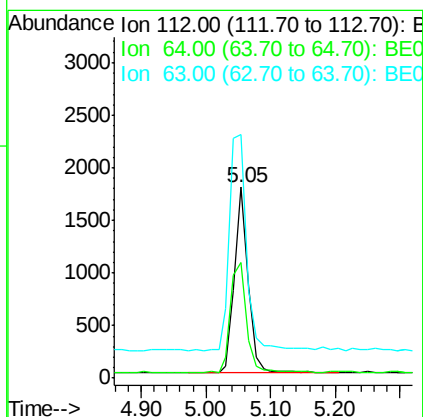
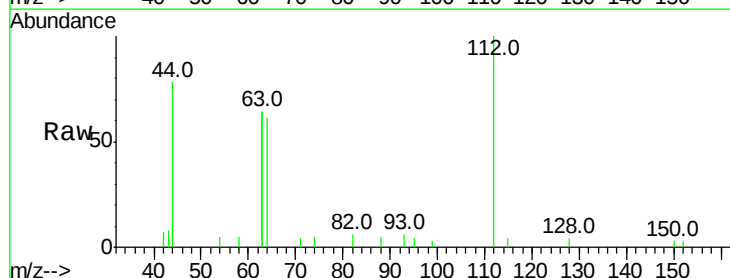
Tot Ion: 42 Resp: 1556
 Ion Ratio Lower Upper
 42 100
 74 113.0 96.0 144.0
 44 22.5 12.0 18.0#

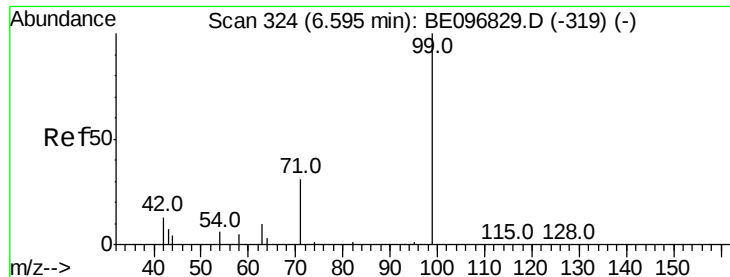


#4

2-Fluorophenol
 Concen: 0.492 ng
 RT: 5.05 min Scan# 190
 Delta R.T. -0.00 min
 Lab File: BE096918.D
 Acq: 14 Jul 2018 00:42

Tgt Ion: 112 Resp: 2603
 Ion Ratio Lower Upper
 112 100
 64 68.5 60.1 90.1
 63 144.1 116.8 175.2





#5

Phenol-d6

Concen: 0.501 ng

RT: 6.59 min Scan# 323

Delta R.T. -0.00 min

Lab File: BE096918.D

Acq: 14 Jul 2018 00:42

Instrument :

BNA_E

ClientSampleId :

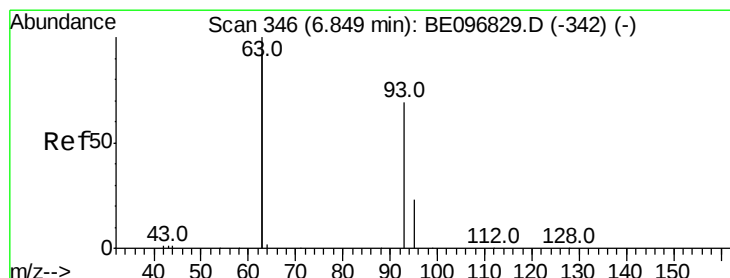
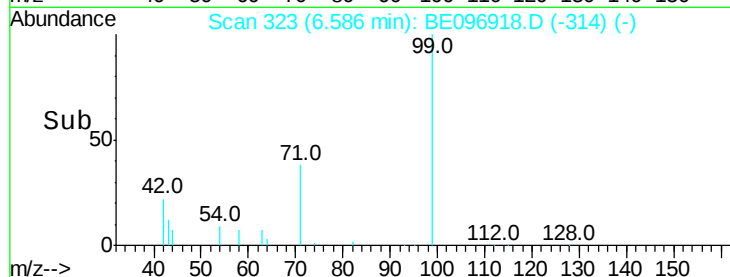
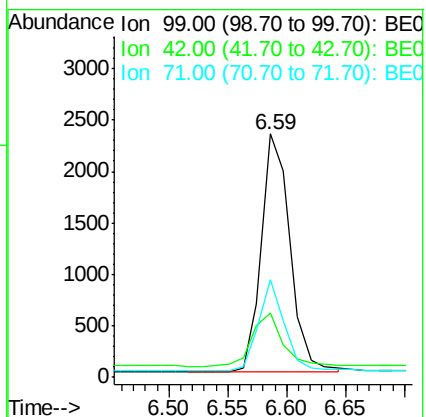
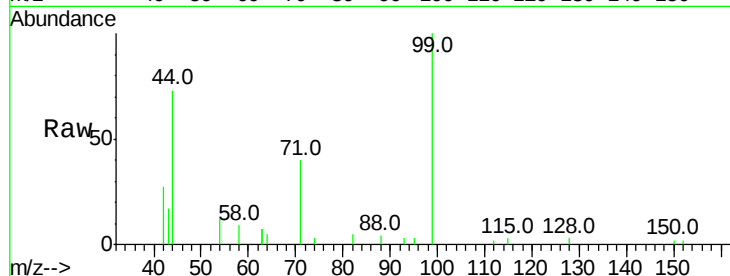
Tot Ion: 99 Resp: 3953

Ion Ratio Lower Upper

99 100

42 24.3 20.2 30.2

71 34.9 28.4 42.6



#6

bis(2-Chloroethyl)ether

Concen: 0.401 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE096918.D

Acq: 14 Jul 2018 00:42

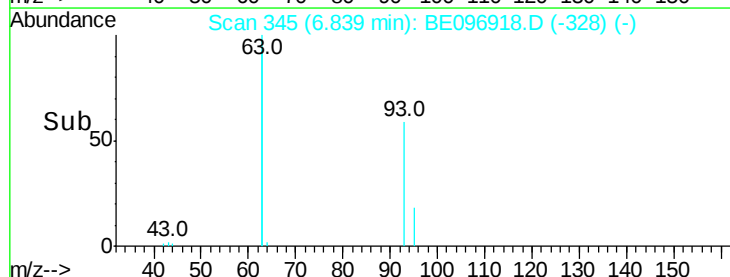
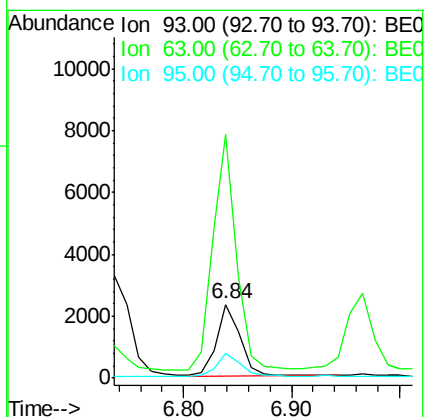
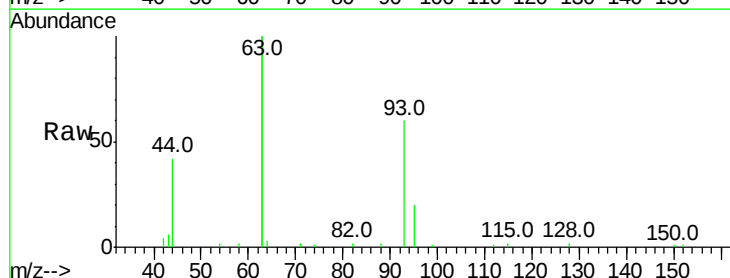
Tgt Ion: 93 Resp: 3467

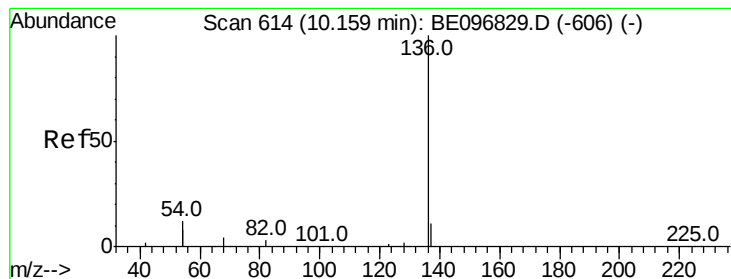
Ion Ratio Lower Upper

93 100

63 328.3 275.3 412.9

95 31.2 25.2 37.8





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. -0.00 min

Lab File: BE096918.D

Acq: 14 Jul 2018 00:42

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 12854

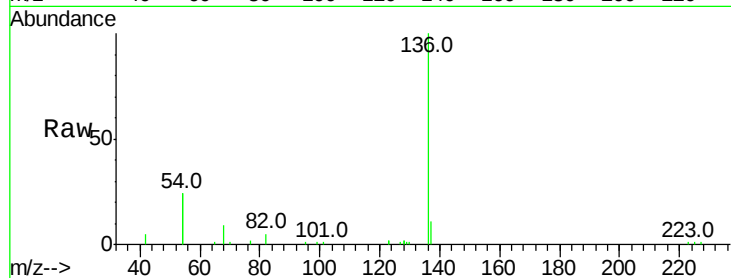
Ion Ratio Lower Upper

136 100

137 11.1 9.5 14.3

54 48.5 29.1 43.7#

68 8.8 6.2 9.2

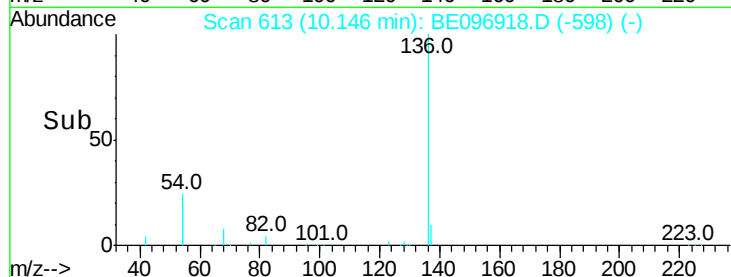


Abundance Ion 136.00 (135.70 to 136.70): E

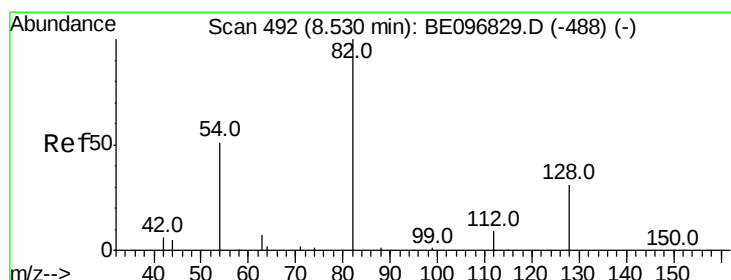
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time-->



#8

Nitrobenzene-d5

Concen: 0.486 ng

RT: 8.52 min Scan# 491

Delta R.T. -0.00 min

Lab File: BE096918.D

Acq: 14 Jul 2018 00:42

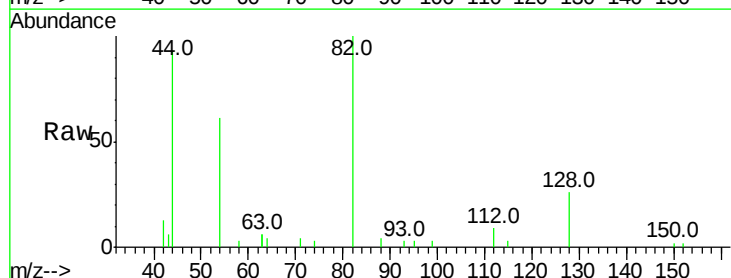
Tgt Ion: 82 Resp: 3786

Ion Ratio Lower Upper

82 100

128 25.9 24.0 36.0

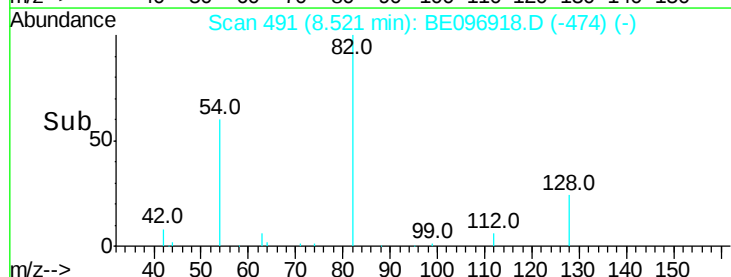
54 61.4 40.0 60.0#



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



Time-->



#9

Naphthalene

Concen: 0.387 ng

RT: 10.20 min Scan# 617

Delta R.T. -0.00 min

Lab File: BE096918.D

Acq: 14 Jul 2018 00:42

Instrument :

BNA_E

ClientSampleId :

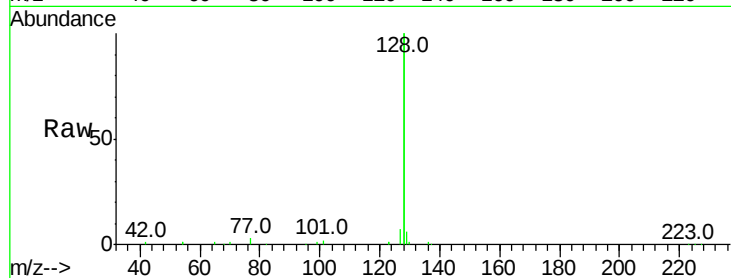
Tot Ion:128 Resp: 45166

Ion Ratio Lower Upper

128 100

129 3.0 2.6 3.8

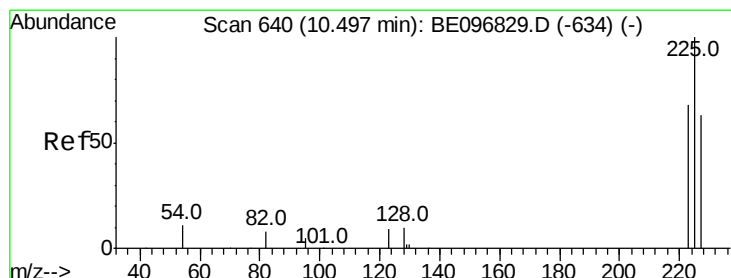
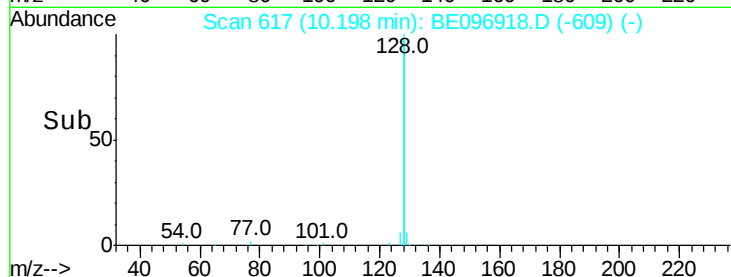
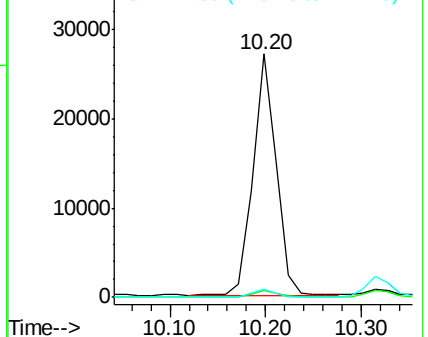
127 3.4 2.8 4.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.371 ng

RT: 10.50 min Scan# 640

Delta R.T. -0.00 min

Lab File: BE096918.D

Acq: 14 Jul 2018 00:42

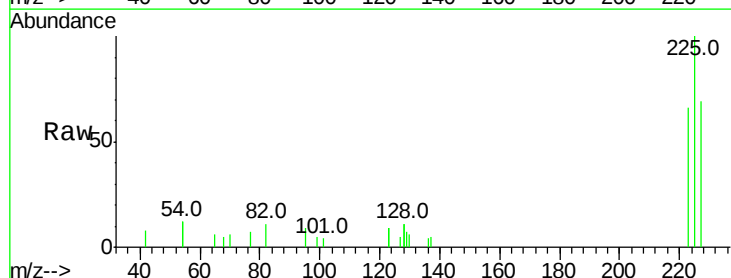
Tgt Ion:225 Resp: 1801

Ion Ratio Lower Upper

225 100

223 63.4 53.0 79.6

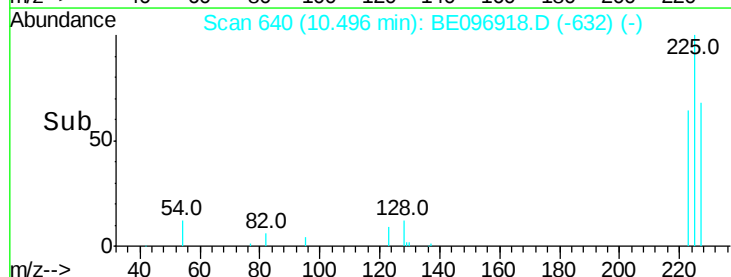
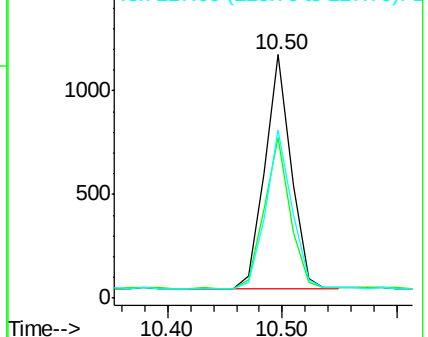
227 66.3 51.4 77.2

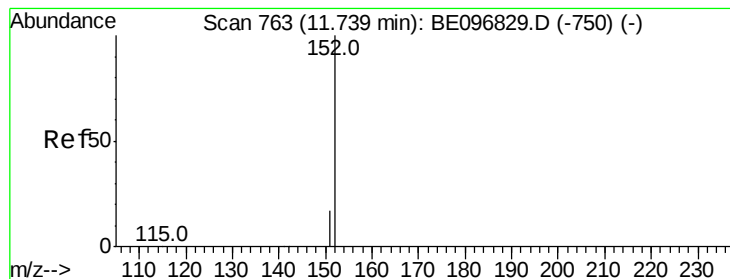


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.410 ng

RT: 11.73 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE096918.D

Acq: 14 Jul 2018 00:42

Instrument :

BNA_E

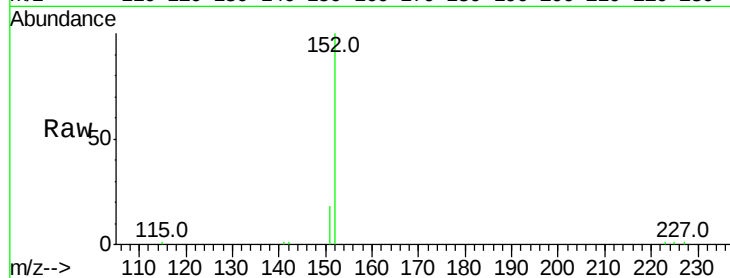
ClientSampleId :

Tot Ion:152 Resp: 7588

Ion Ratio Lower Upper

152 100

151 19.1 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

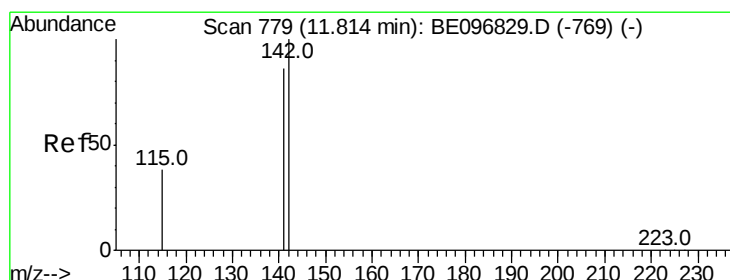
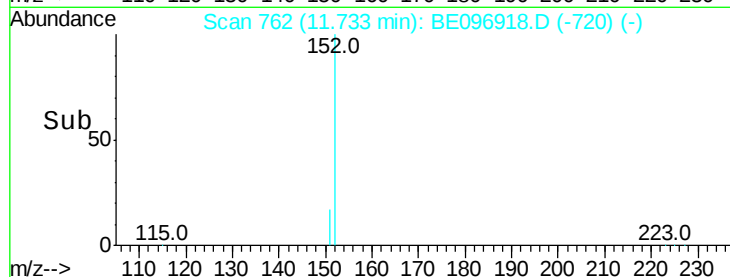
2000

1000

0

11.70 11.80 11.90

Time-->



#12

2-Methylnaphthalene

Concen: 0.405 ng

RT: 11.81 min Scan# 778

Delta R.T. -0.00 min

Lab File: BE096918.D

Acq: 14 Jul 2018 00:42

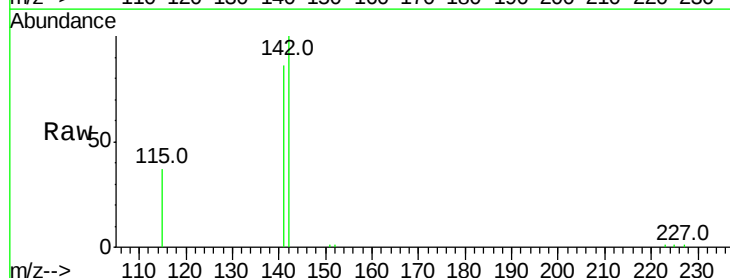
Tgt Ion:142 Resp: 7828

Ion Ratio Lower Upper

142 100

141 86.2 70.4 105.6

115 37.5 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

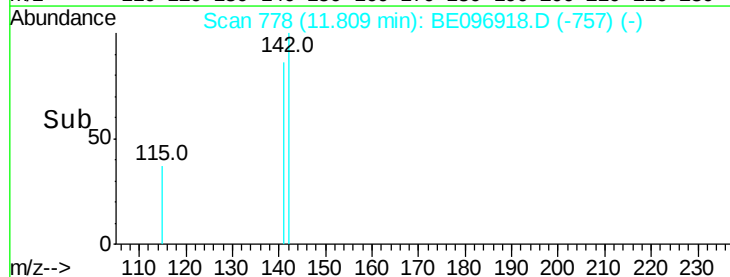
4000

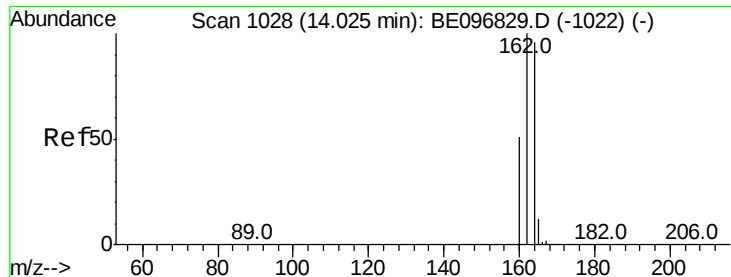
2000

0

11.80 11.90

Time-->

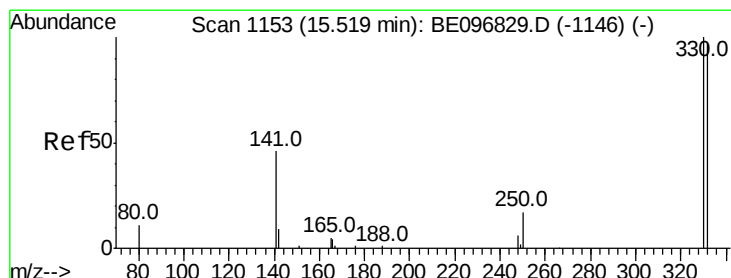
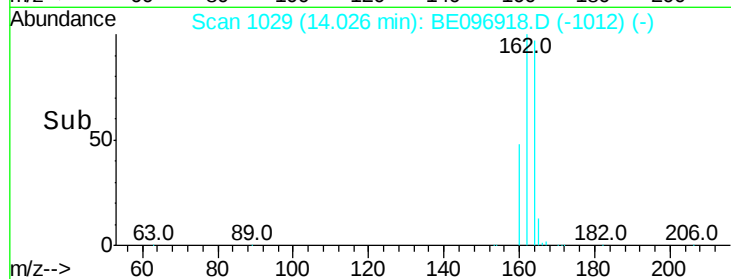
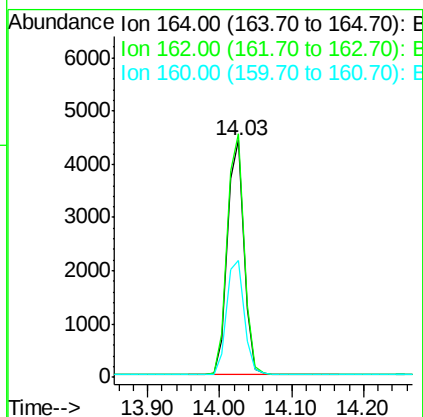
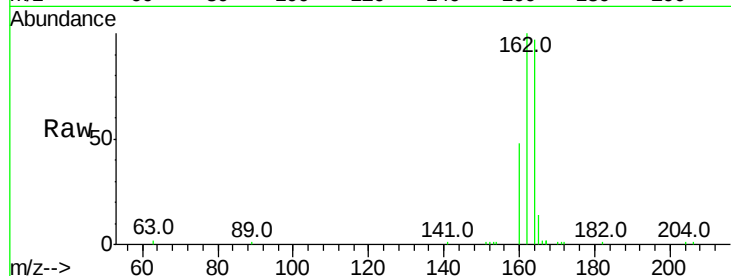




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.03 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: BE096918.D
 Acq: 14 Jul 2018 00:42

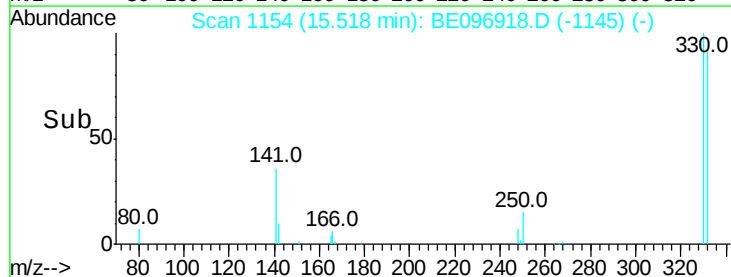
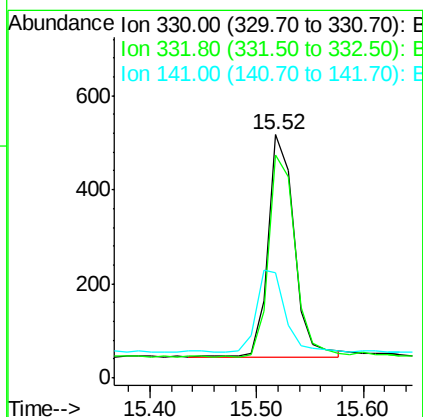
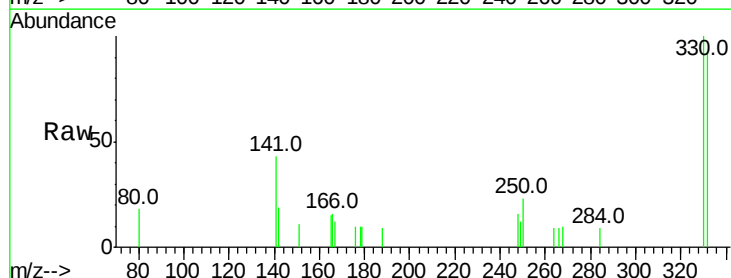
Instrument :
 BNA_E
 ClientSampleId :

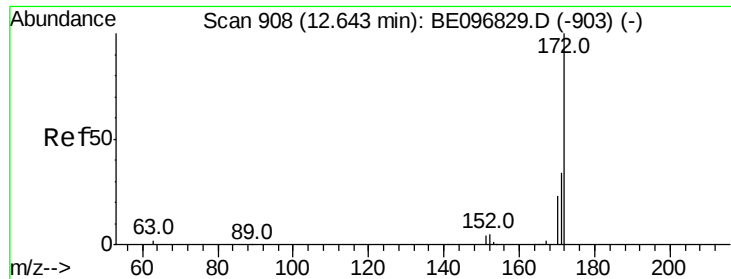
Tot Ion:164 Resp: 7048
 Ion Ratio Lower Upper
 164 100
 162 102.8 83.1 124.7
 160 49.5 37.1 55.7



#14
 2,4,6-Tribromophenol
 Concen: 0.490 ng
 RT: 15.52 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: BE096918.D
 Acq: 14 Jul 2018 00:42

Tgt Ion:330 Resp: 805
 Ion Ratio Lower Upper
 330 100
 332 92.9 152.7 229.1#
 141 40.5 33.7 50.5

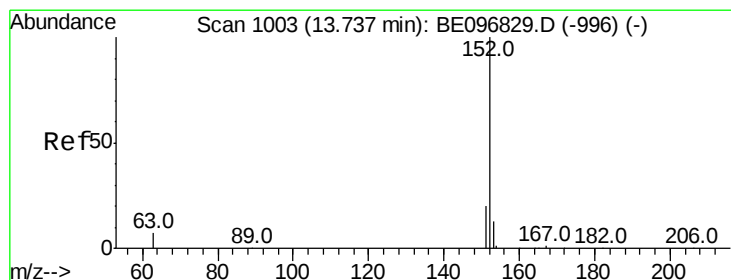
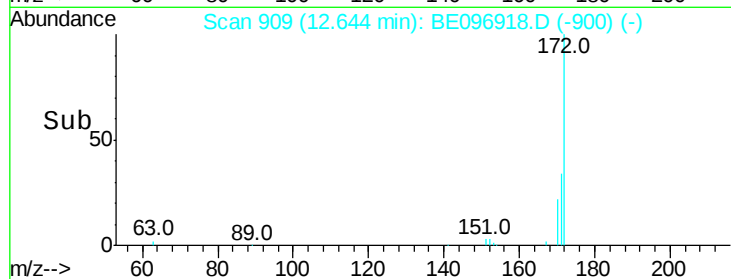
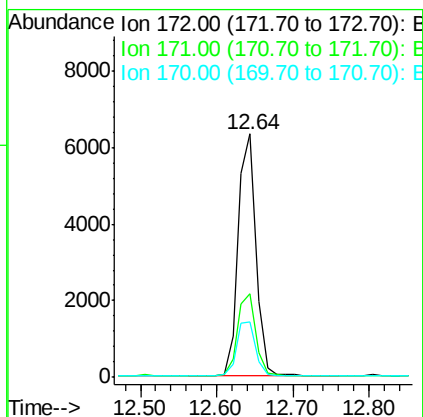
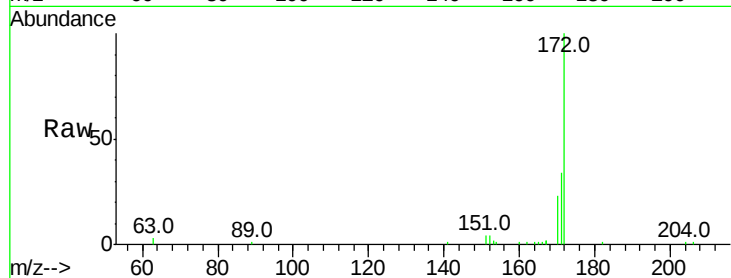




#15
2-Fluorobiphenyl
Concen: 0.399 ng
RT: 12.64 min Scan# 909
Delta R.T. -0.00 min
Lab File: BE096918.D
Acq: 14 Jul 2018 00:42

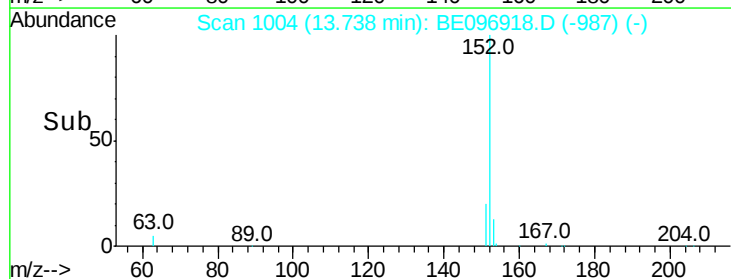
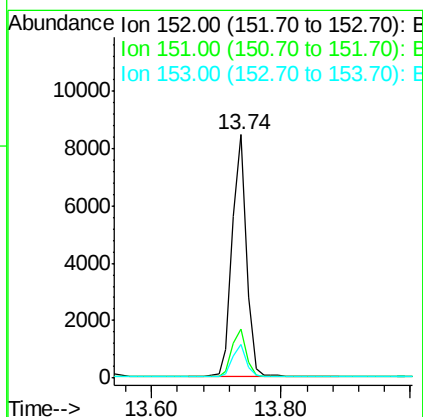
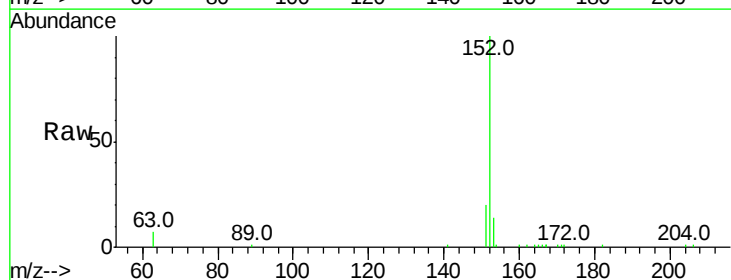
Instrument :
BNA_E
ClientSampleId :

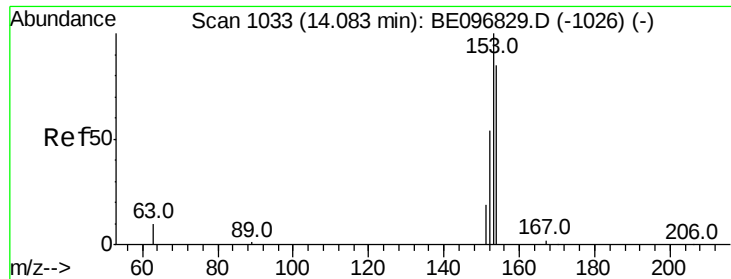
Tot Ion:172 Resp: 10281
Ion Ratio Lower Upper
172 100
171 34.3 29.9 44.9
170 22.5 21.8 32.8



#16
Acenaphthylene
Concen: 0.417 ng
RT: 13.74 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BE096918.D
Acq: 14 Jul 2018 00:42

Tgt Ion:152 Resp: 12744
Ion Ratio Lower Upper
152 100
151 19.6 15.7 23.5
153 13.0 10.5 15.7

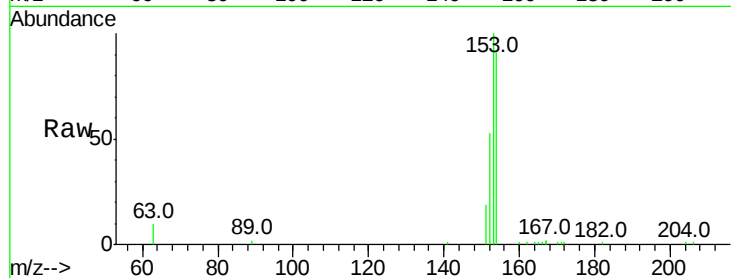




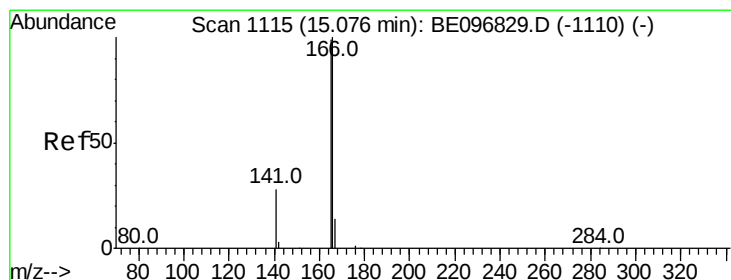
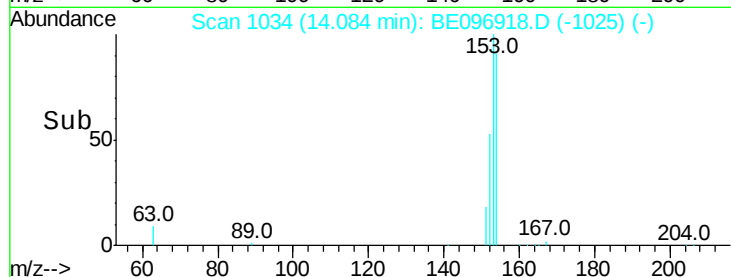
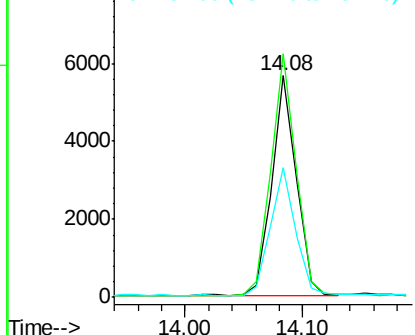
#17
Acenaphthene
Concen: 0.399 ng
RT: 14.08 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BE096918.D
Acq: 14 Jul 2018 00:42

Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 8053
Ion Ratio Lower Upper
154 100
153 113.0 89.2 133.8
152 59.7 42.0 63.0

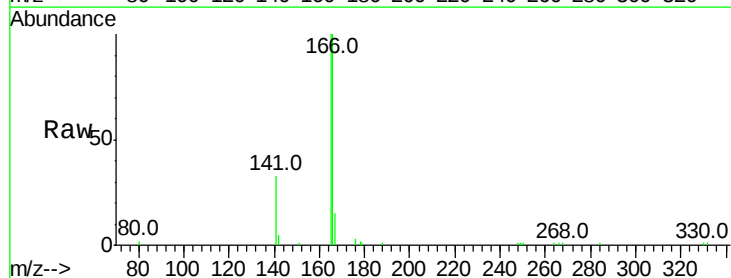


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

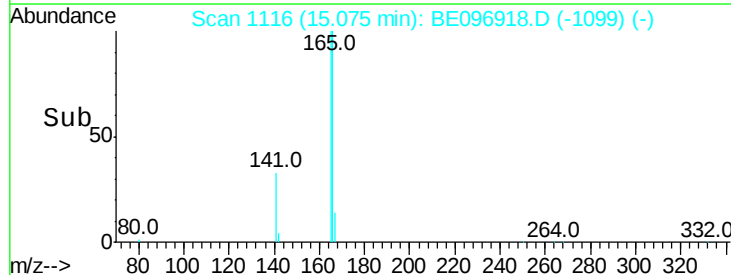
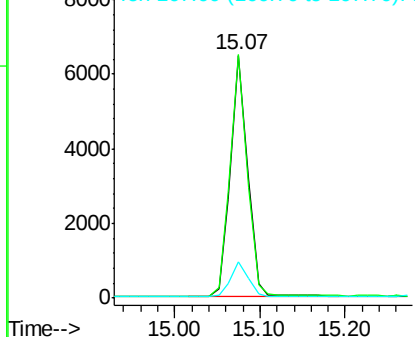


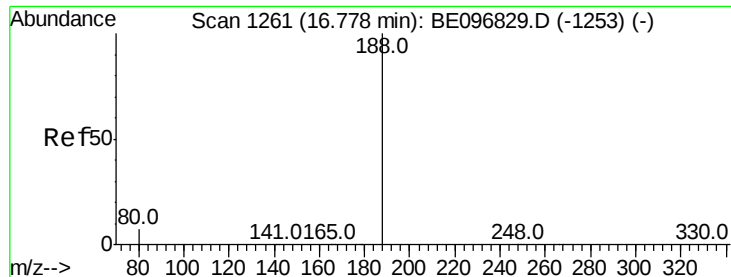
#18
Fluorene
Concen: 0.380 ng
RT: 15.07 min Scan# 1116
Delta R.T. -0.00 min
Lab File: BE096918.D
Acq: 14 Jul 2018 00:42

Tgt Ion:166 Resp: 9013
Ion Ratio Lower Upper
166 100
165 99.6 77.8 116.6
167 14.4 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

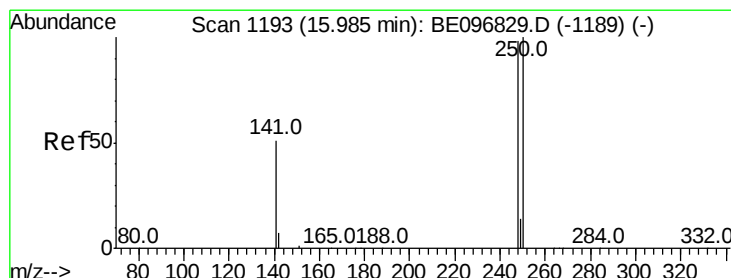
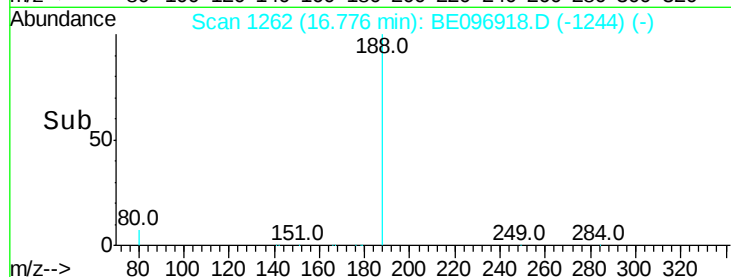
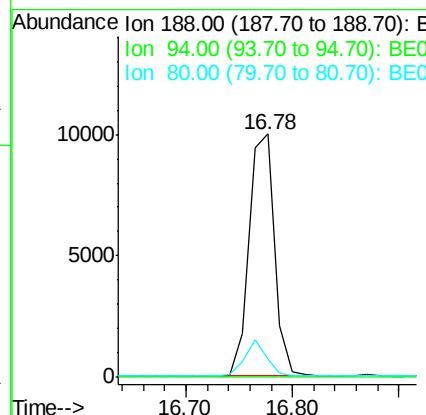
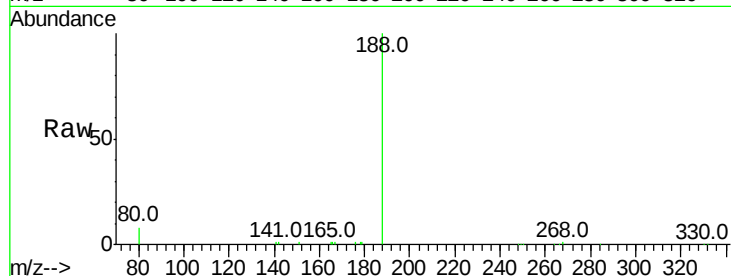




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.78 min Scan# 1262
Delta R.T. 0.01 min
Lab File: BE096918.D
Acq: 14 Jul 2018 00:42

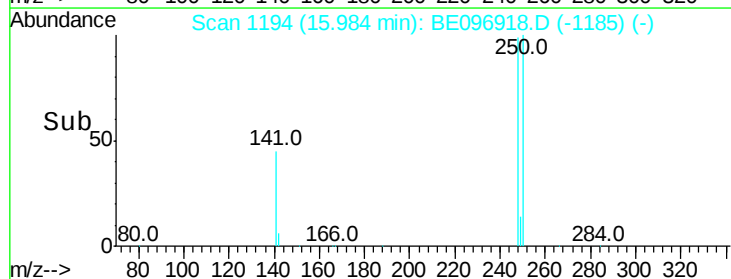
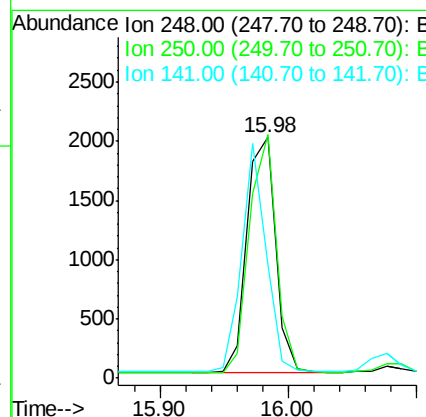
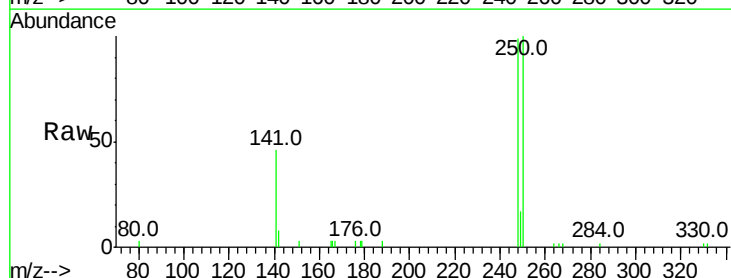
Instrument :
BNA_E
ClientSampled :

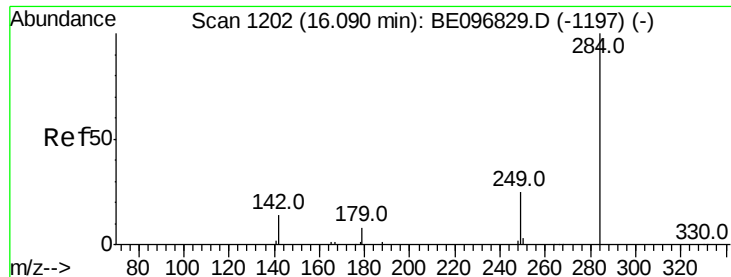
Tot Ion:188 Resp: 16495
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 7.6 3.6 5.4#



#20
4-Bromophenyl-phenylether
Concen: 0.415 ng
RT: 15.98 min Scan# 1194
Delta R.T. -0.00 min
Lab File: BE096918.D
Acq: 14 Jul 2018 00:42

Tgt Ion:248 Resp: 3088
Ion Ratio Lower Upper
248 100
250 101.1 62.7 94.1#
141 46.8 48.2 72.2#





#21

Hexachlorobenzene

Concen: 0.406 ng

RT: 16.09 min Scan# 1203

Delta R.T. -0.00 min

Lab File: BE096918.D

Acq: 14 Jul 2018 00:42

Instrument :

BNA_E

ClientSampled :

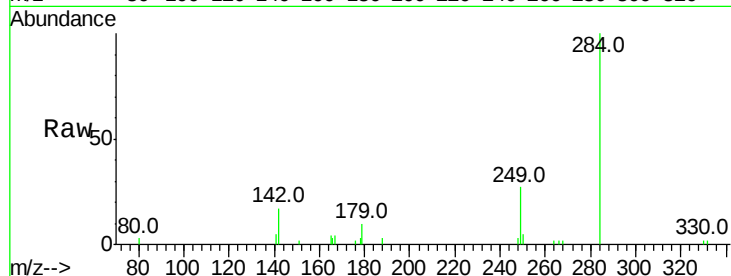
Tot Ion:284 Resp: 3445

Ion Ratio Lower Upper

284 100

142 39.1 22.1 33.1#

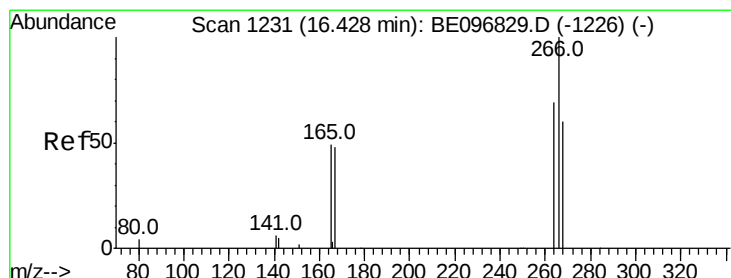
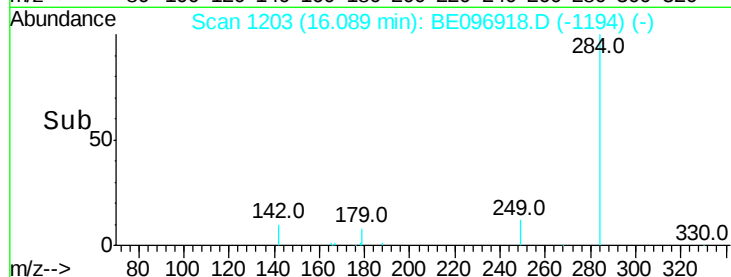
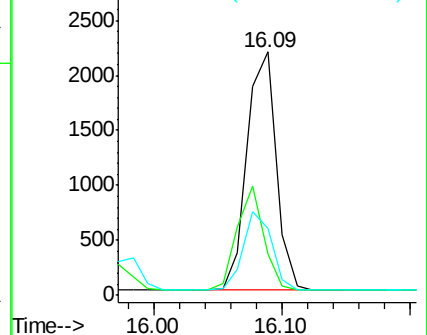
249 31.8 34.8 52.2#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.581 ng

RT: 16.43 min Scan# 1232

Delta R.T. -0.00 min

Lab File: BE096918.D

Acq: 14 Jul 2018 00:42

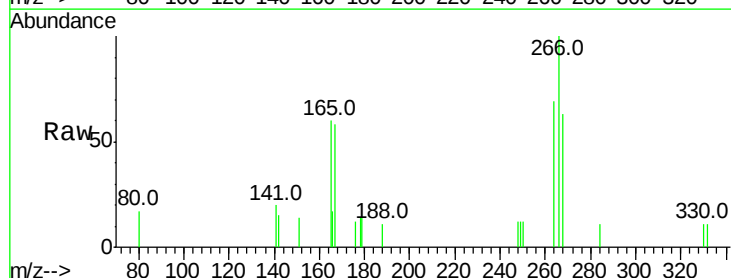
Tgt Ion:266 Resp: 794

Ion Ratio Lower Upper

266 100

264 68.7 72.5 108.7#

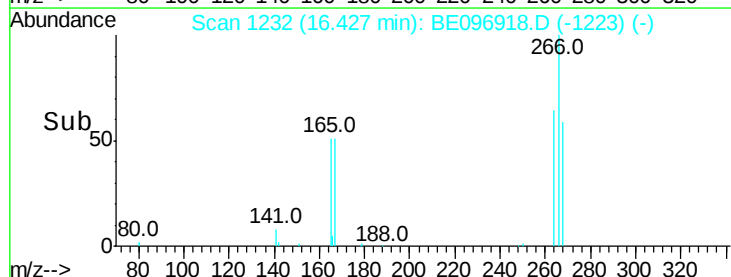
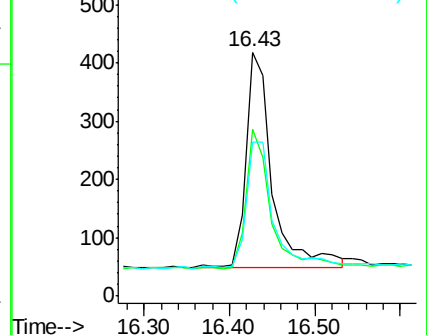
268 63.4 73.8 110.6#

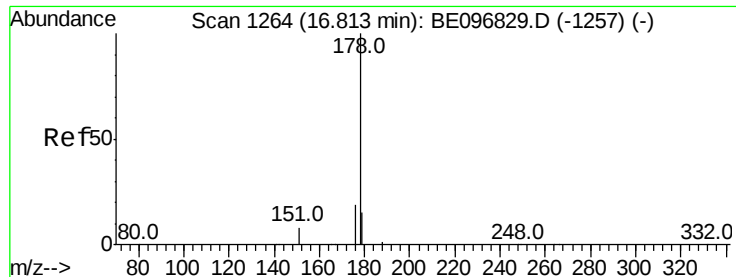


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.392 ng

RT: 16.81 min Scan# 1265

Delta R.T. -0.00 min

Lab File: BE096918.D

Acq: 14 Jul 2018 00:42

Instrument :

BNA_E

ClientSampleId :

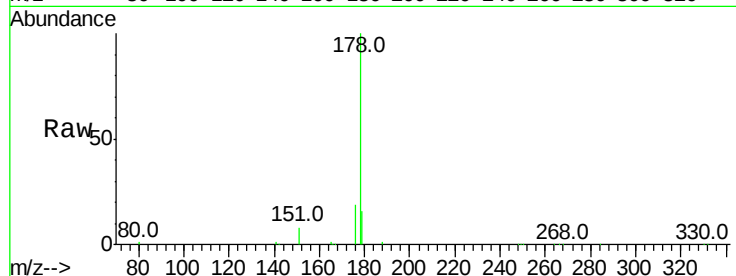
Tot Ion:178 Resp: 15882

Ion Ratio Lower Upper

178 100

176 19.3 15.1 22.7

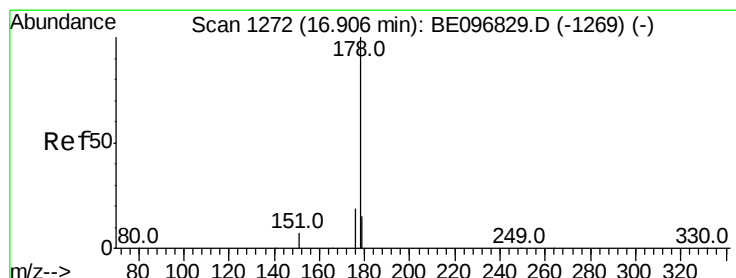
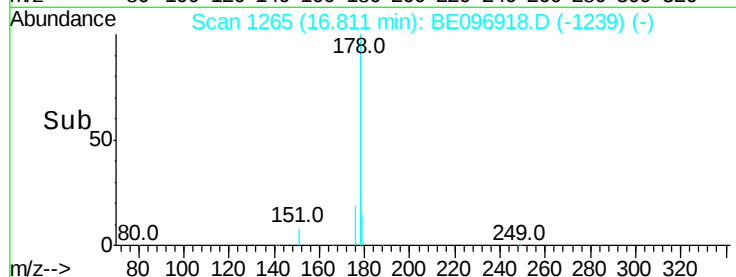
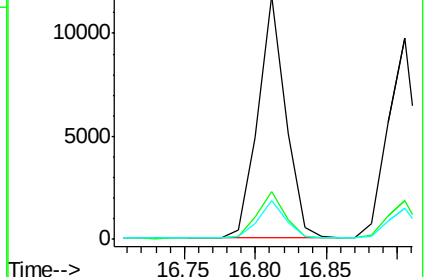
179 15.5 11.8 17.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.410 ng

RT: 16.90 min Scan# 1273

Delta R.T. -0.00 min

Lab File: BE096918.D

Acq: 14 Jul 2018 00:42

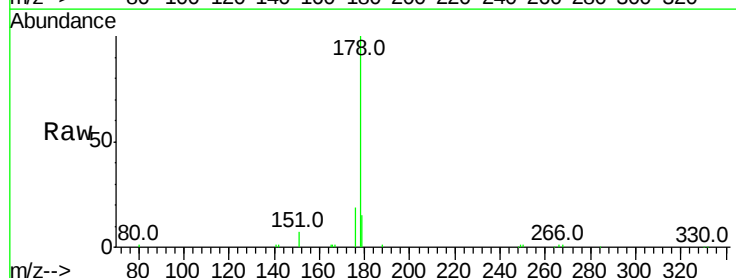
Tgt Ion:178 Resp: 13767

Ion Ratio Lower Upper

178 100

176 19.0 12.8 19.2

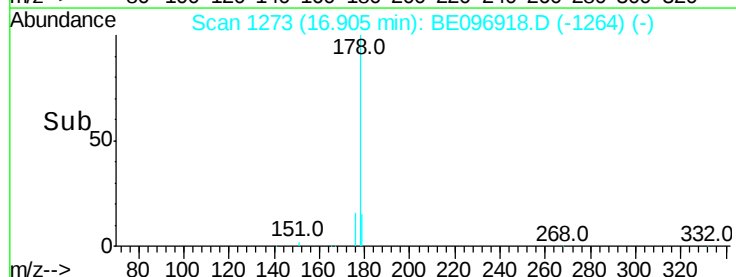
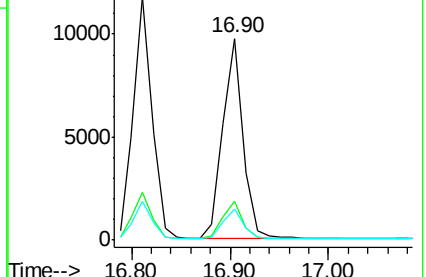
179 15.2 13.0 19.6



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: 0.406 ng

RT: 18.81 min Scan# 1503

Delta R.T. -0.00 min

Lab File: BE096918.D

Acq: 14 Jul 2018 00:42

Instrument :

BNA_E

ClientSampleId :

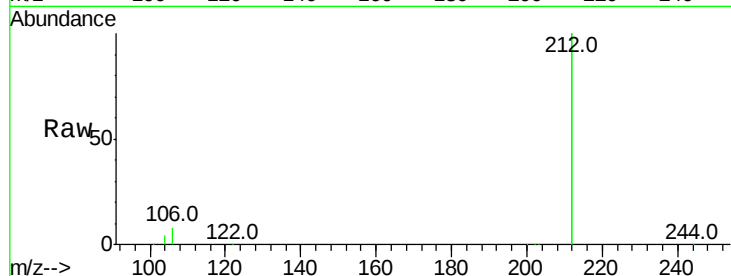
Tot Ion:212 Resp: 58919

Ion Ratio Lower Upper

212 100

106 3.5 2.8 4.2

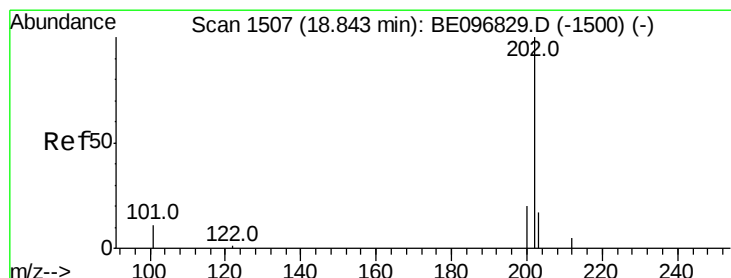
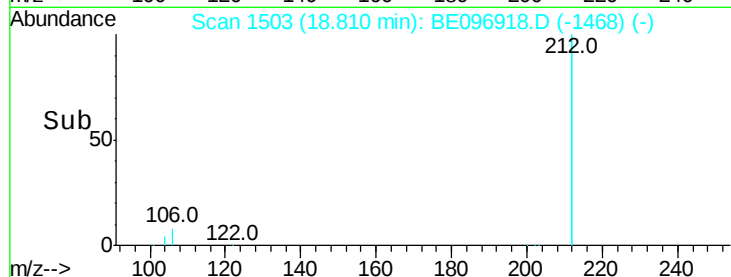
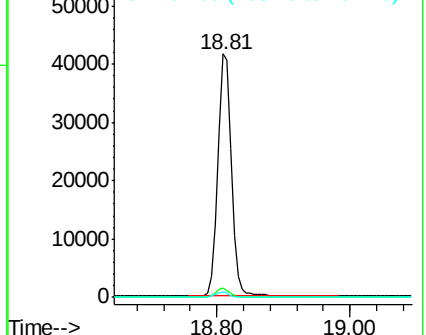
104 1.9 1.6 2.4



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: 0.413 ng

RT: 18.84 min Scan# 1509

Delta R.T. 0.01 min

Lab File: BE096918.D

Acq: 14 Jul 2018 00:42

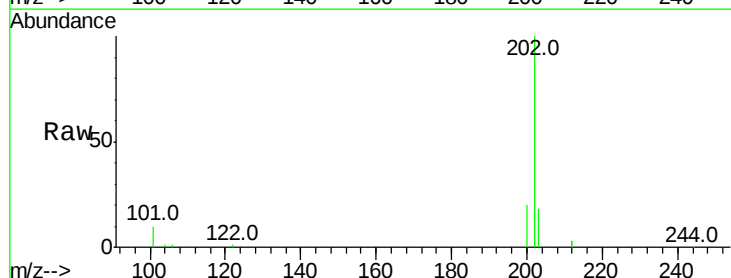
Tgt Ion:202 Resp: 16918

Ion Ratio Lower Upper

202 100

101 11.5 9.8 14.8

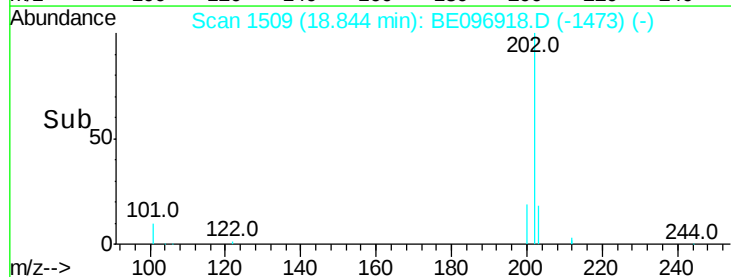
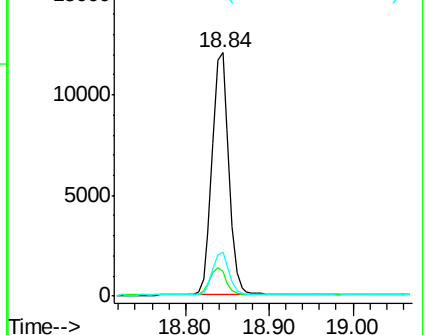
203 17.4 13.7 20.5



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: BE096918.D

Acq: 14 Jul 2018 00:42

Instrument :

BNA_E

ClientSampleId :

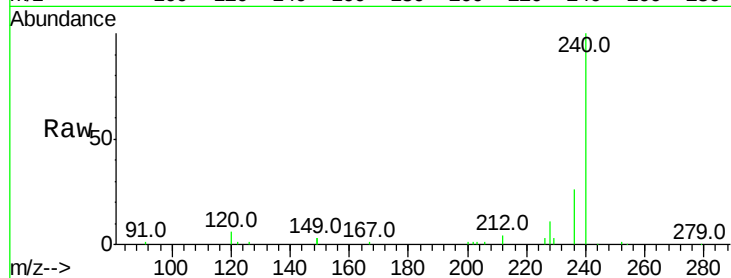
Tot Ion:240 Resp: 15639

Ion Ratio Lower Upper

240 100

120 5.5 5.5 8.3

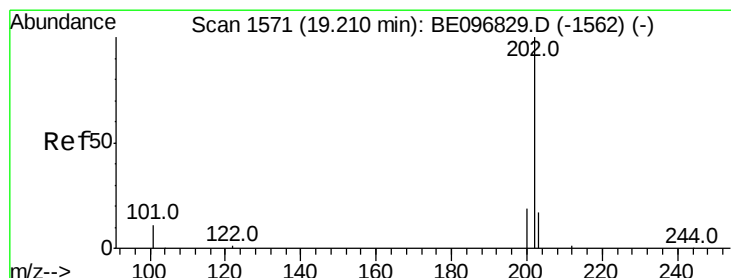
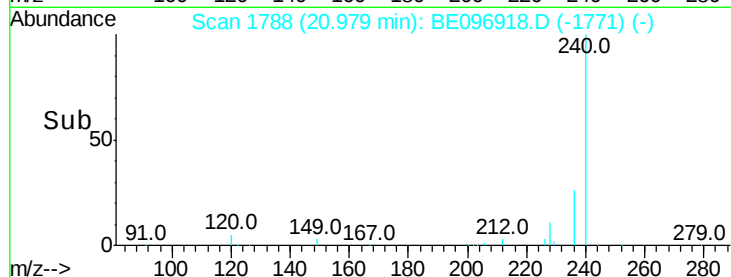
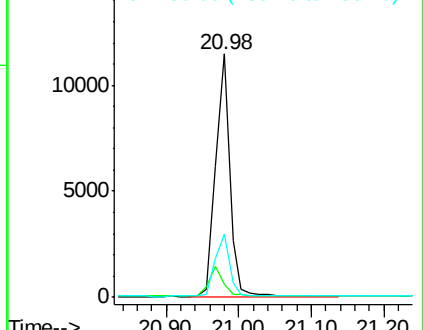
236 26.2 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.402 ng

RT: 19.21 min Scan# 1572

Delta R.T. -0.00 min

Lab File: BE096918.D

Acq: 14 Jul 2018 00:42

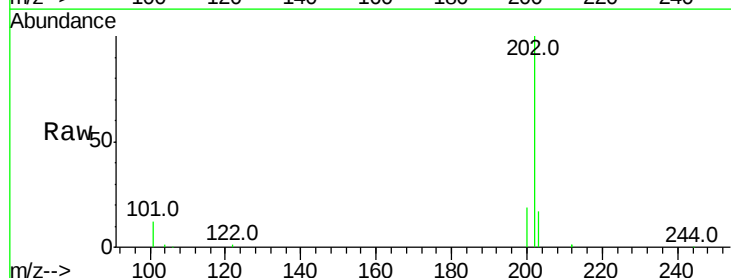
Tgt Ion:202 Resp: 18205

Ion Ratio Lower Upper

202 100

200 19.4 16.6 25.0

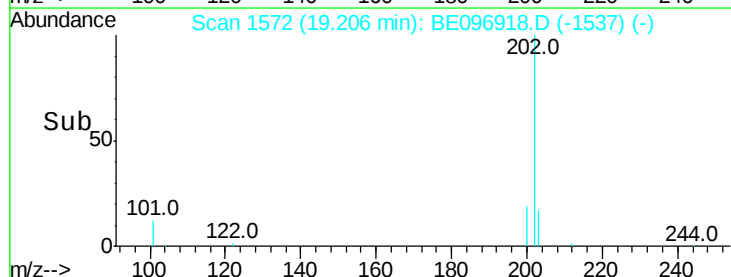
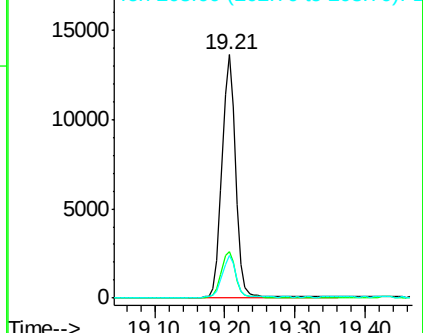
203 17.4 13.8 20.8

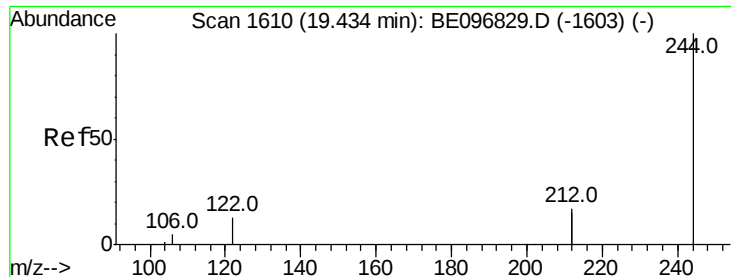


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.382 ng

RT: 19.43 min Scan# 1611

Delta R.T. -0.00 min

Lab File: BE096918.D

Acq: 14 Jul 2018 00:42

Instrument :

BNA_E

ClientSampleId :

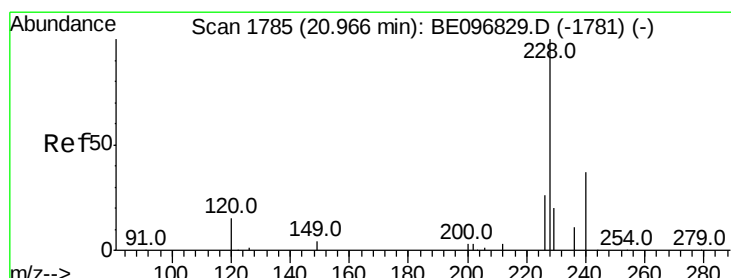
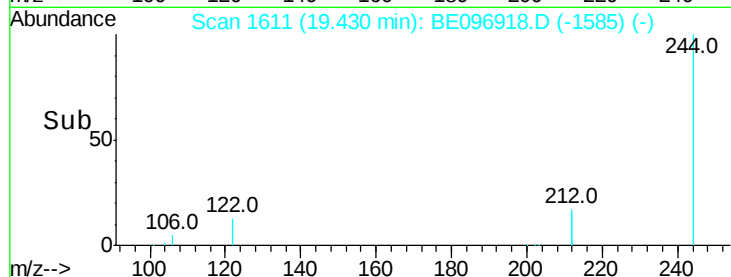
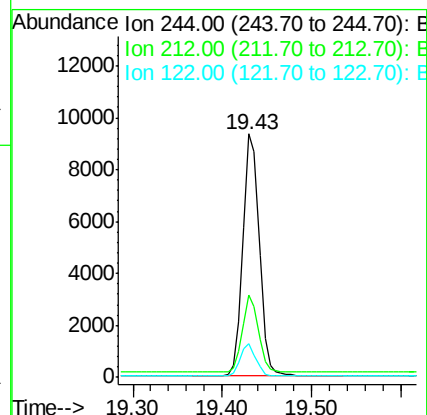
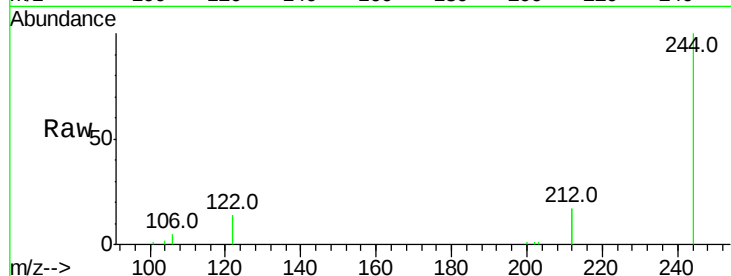
Tot Ion:244 Resp: 11521

Ion Ratio Lower Upper

244 100

212 34.1 25.4 38.0

122 13.7 8.1 12.1#



#30

Benzo(a)anthracene

Concen: 0.431 ng

RT: 20.96 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BE096918.D

Acq: 14 Jul 2018 00:42

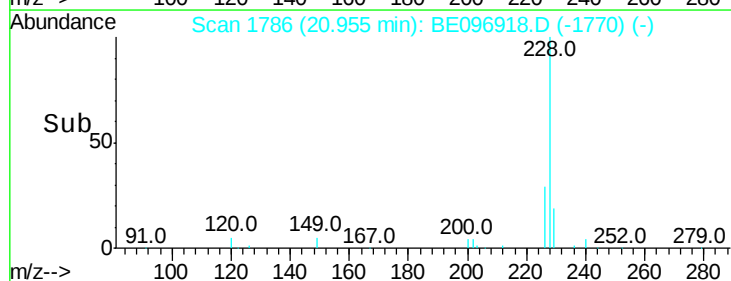
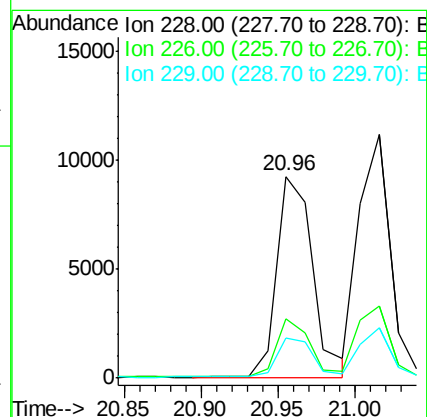
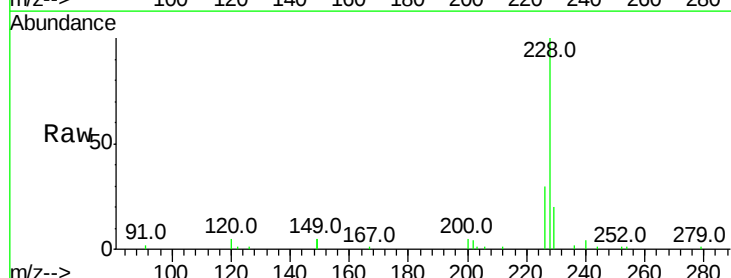
Tgt Ion:228 Resp: 14953

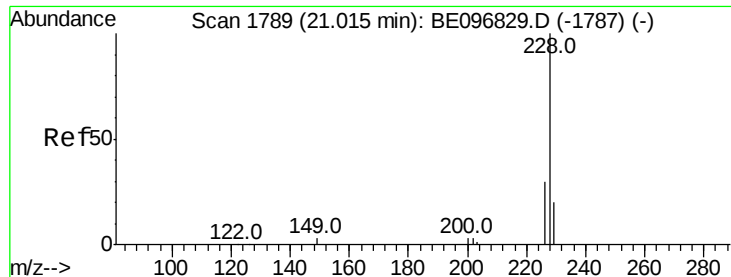
Ion Ratio Lower Upper

228 100

226 29.5 24.0 36.0

229 19.8 16.0 24.0





#31

Chrysene

Concen: 0.366 ng

RT: 21.02 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BE096918.D

Acq: 14 Jul 2018 00:42

Instrument :

BNA_E

ClientSampled :

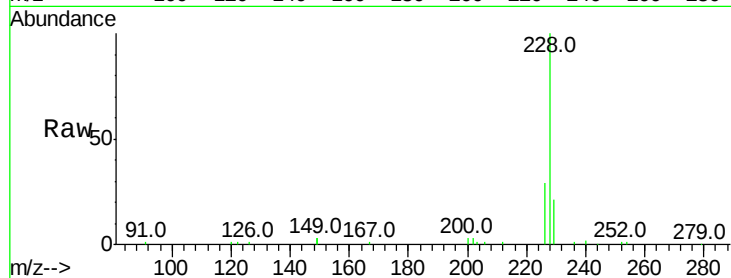
Tot Ion:228 Resp: 15649

Ion Ratio Lower Upper

228 100

226 29.4 24.0 36.0

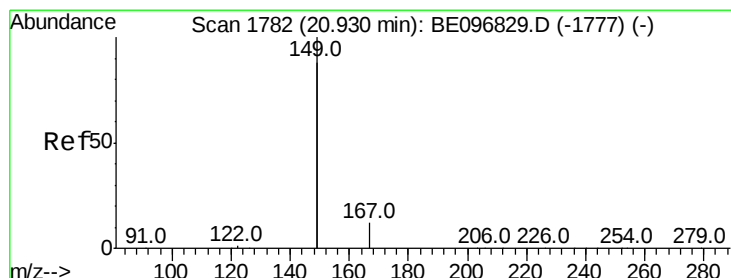
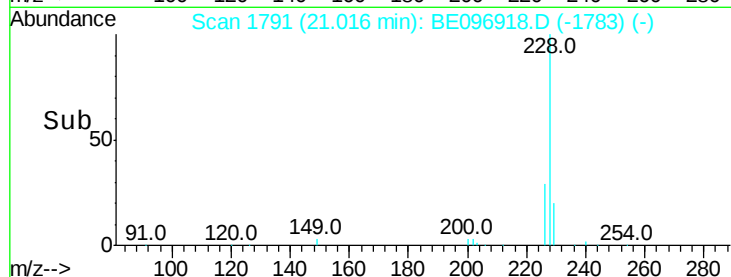
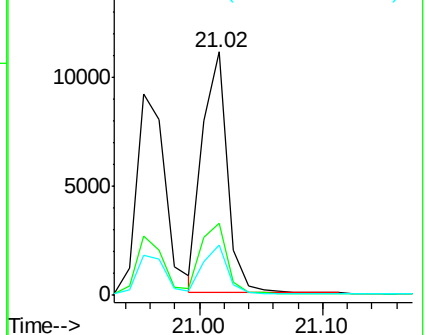
229 20.6 16.0 24.0



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: 0.636 ng

RT: 20.93 min Scan# 1784

Delta R.T. 0.00 min

Lab File: BE096918.D

Acq: 14 Jul 2018 00:42

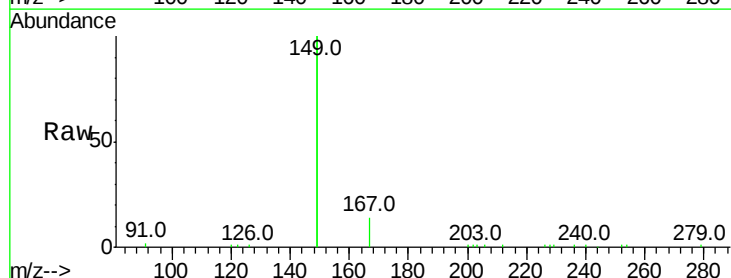
Tgt Ion:149 Resp: 19731

Ion Ratio Lower Upper

149 100

167 6.6 5.4 8.0

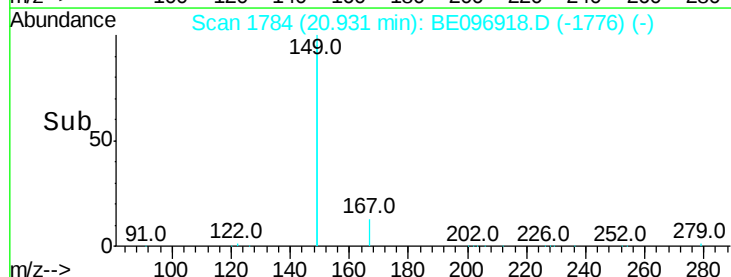
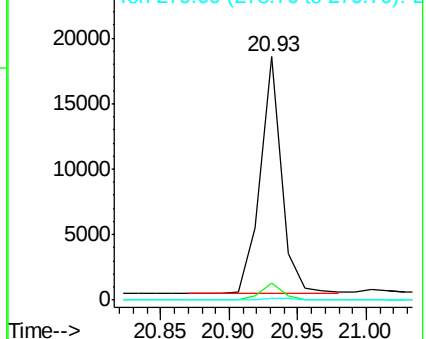
279 0.8 0.7 1.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

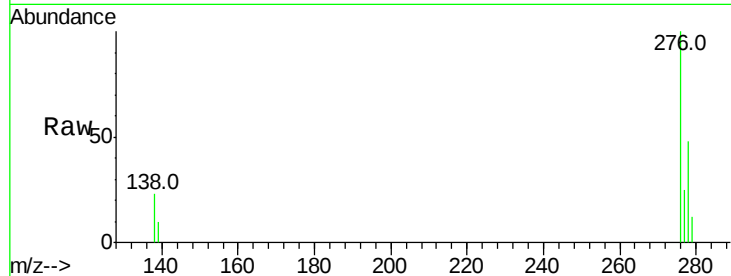




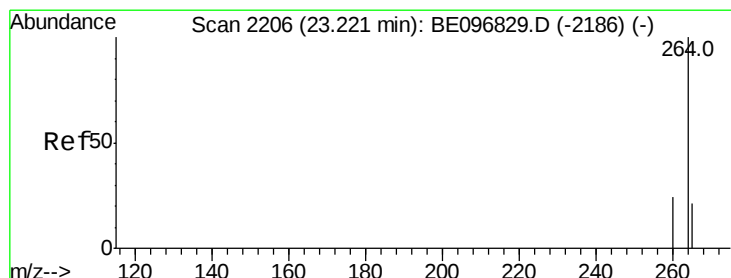
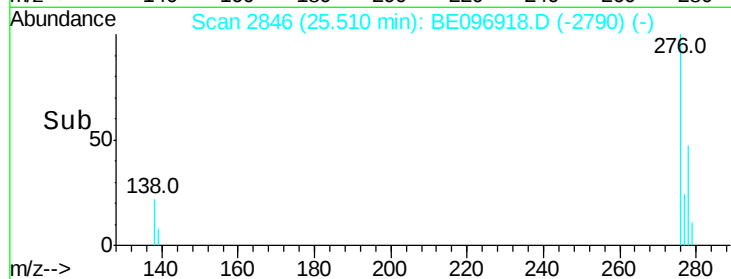
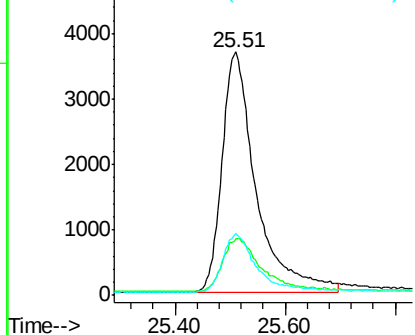
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.497 ng
 RT: 25.51 min Scan# 2846
 Delta R.T. -0.00 min
 Lab File: BE096918.D
 Acq: 14 Jul 2018 00:42

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 15815
 Ion Ratio Lower Upper
 276 100
 138 24.8 22.5 33.7
 277 24.4 19.9 29.9

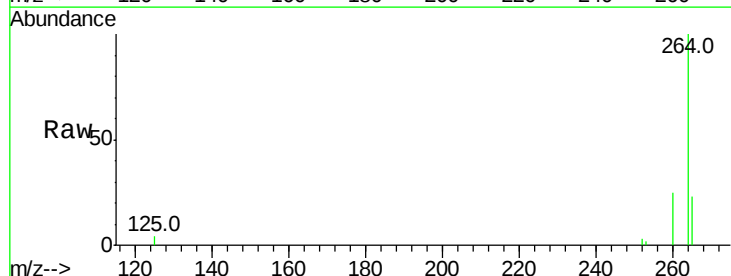


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

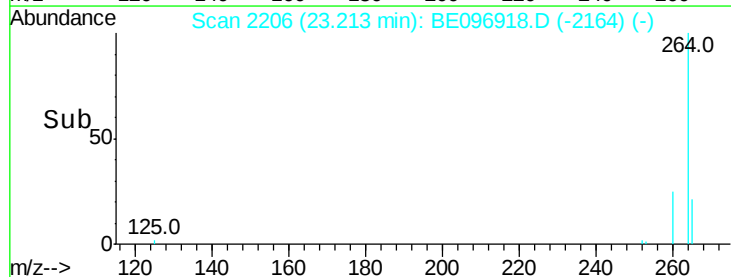
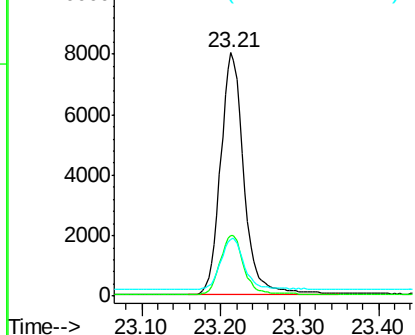


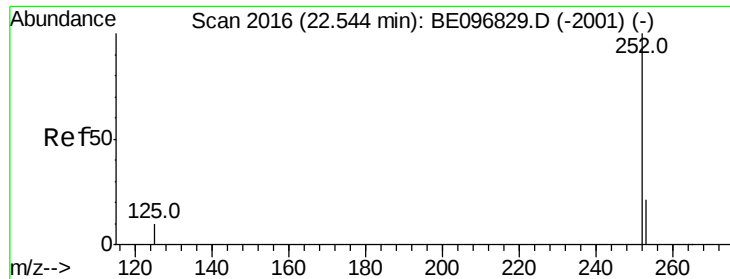
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.21 min Scan# 2206
 Delta R.T. -0.00 min
 Lab File: BE096918.D
 Acq: 14 Jul 2018 00:42

Tgt Ion:264 Resp: 16457
 Ion Ratio Lower Upper
 264 100
 260 25.1 20.5 30.7
 265 23.3 22.8 34.2



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.318 ng

RT: 22.54 min Scan# 2017

Delta R.T. -0.00 min

Lab File: BE096918.D

Acq: 14 Jul 2018 00:42

Instrument :

BNA_E

ClientSampleId :

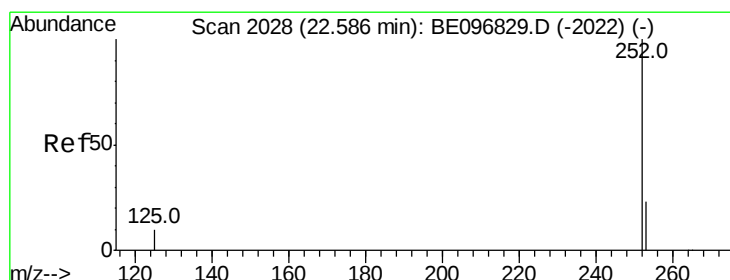
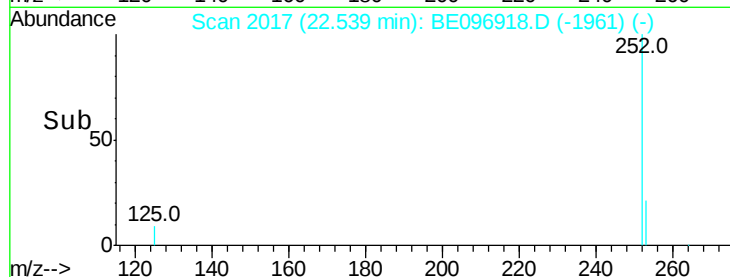
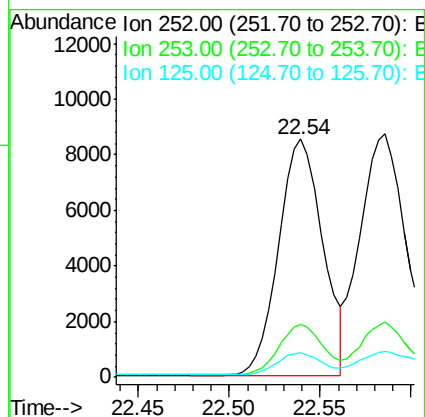
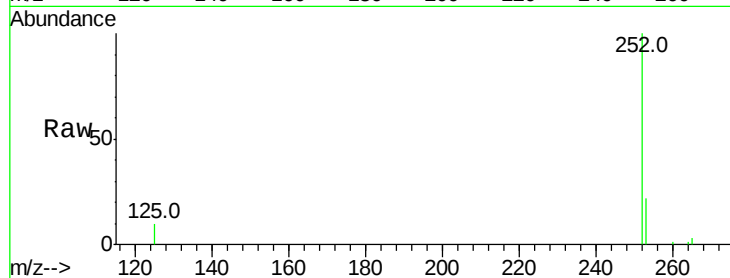
Tot Ion:252 Resp: 14260

Ion Ratio Lower Upper

252 100

253 22.3 20.0 30.0

125 10.3 16.0 24.0#



#36

Benzo(k)fluoranthene

Concen: 0.345 ng

RT: 22.59 min Scan# 2030

Delta R.T. 0.00 min

Lab File: BE096918.D

Acq: 14 Jul 2018 00:42

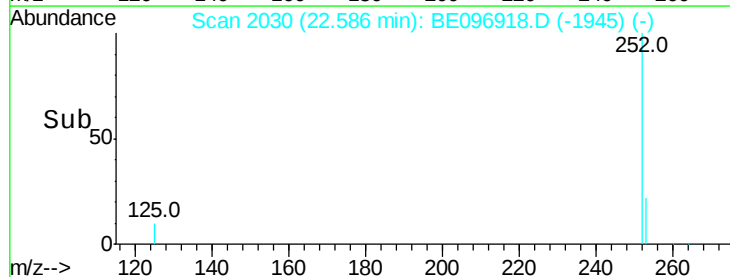
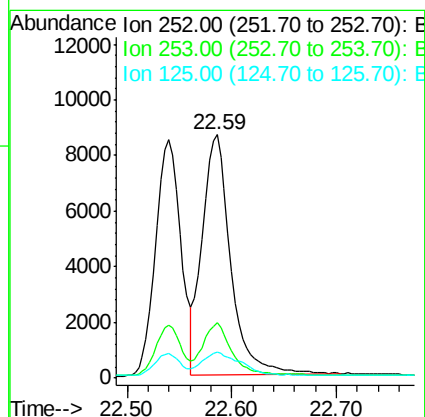
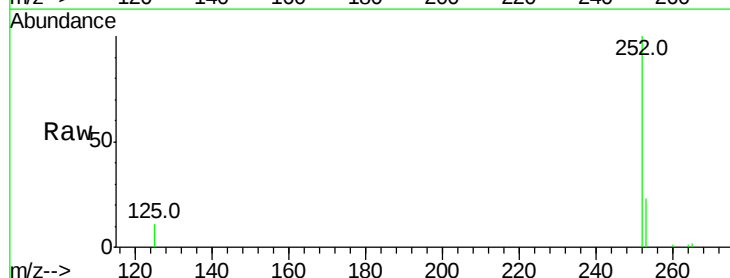
Tgt Ion:252 Resp: 16467

Ion Ratio Lower Upper

252 100

253 23.0 16.0 24.0

125 10.7 8.0 12.0





#37

Benzo(a)pyrene

Concen: 0.374 ng

RT: 23.11 min Scan# 2178

Delta R.T. -0.00 min

Lab File: BE096918.D

Acq: 14 Jul 2018 00:42

Instrument :

BNA_E

ClientSampleId :

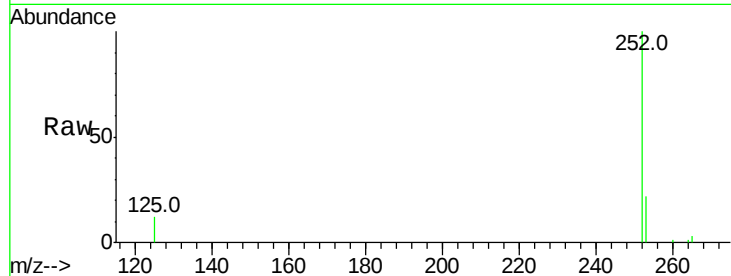
Tot Ion:252 Resp: 13353

Ion Ratio Lower Upper

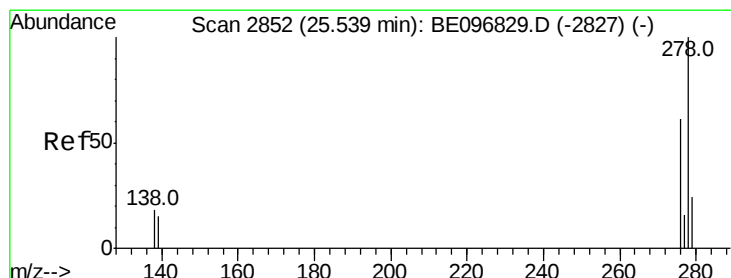
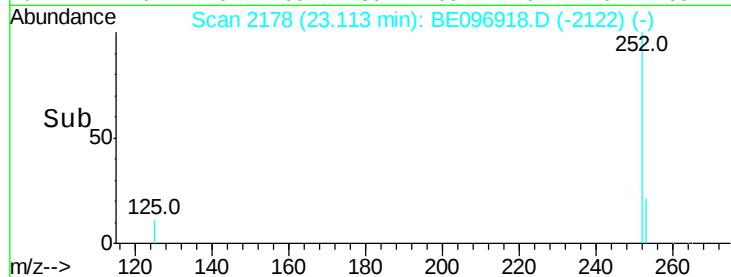
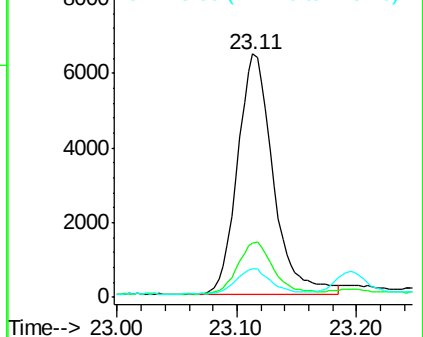
252 100

253 22.5 16.0 24.0

125 11.8 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: 0.374 ng

RT: 25.53 min Scan# 2852

Delta R.T. 0.00 min

Lab File: BE096918.D

Acq: 14 Jul 2018 00:42

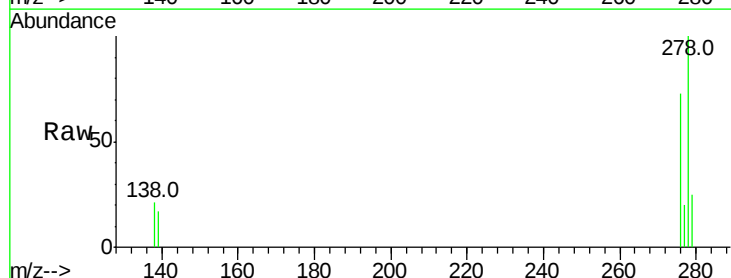
Tgt Ion:278 Resp: 12779

Ion Ratio Lower Upper

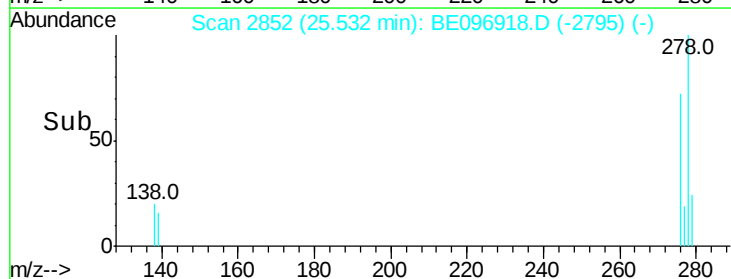
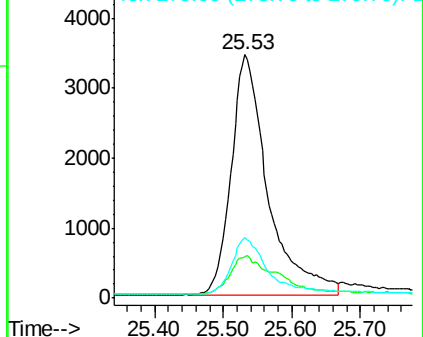
278 100

139 17.2 16.0 24.0

279 25.1 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: 0.340 ng

RT: 26.20 min Scan# 3040

Delta R.T. -0.00 min

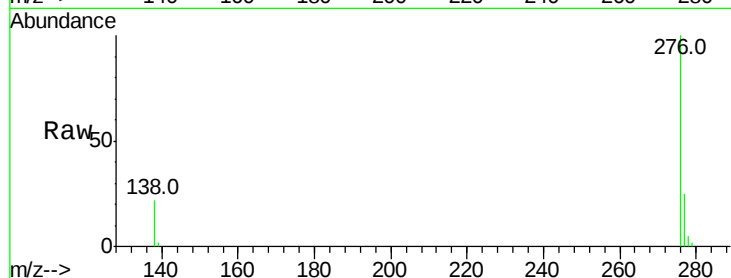
Lab File: BE096918.D

Acq: 14 Jul 2018 00:42

Instrument :

BNA_E

ClientSampleId :



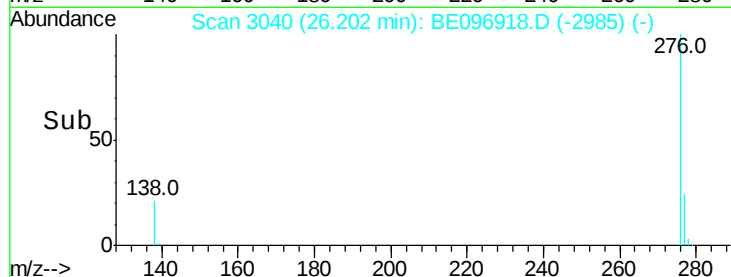
Tot Ion:276 Resp: 13575

Ion Ratio Lower Upper

276 100

277 24.7 16.0 24.0#

138 22.2 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

