

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE061818\
 Data File : BE096816.D
 Acq On : 18 Jun 2018 19:48
 Operator : SJ/JU
 Sample : J3467-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 19 01:26:01 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	3212	0.40	ng	0.00
7) Naphthalene-d8	10.16	136	16073	0.40	ng	0.00
13) Acenaphthene-d10	14.03	164	11587	0.40	ng	0.00
19) Phenanthrene-d10	16.78	188	24237	0.40	ng	0.00
27) Chrysene-d12	20.98	240	25228	0.40	ng	0.00
34) Perylene-d12	23.21	264	24647	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.06	112	1734	0.25	ng	0.00
5) Phenol-d6	6.59	99	1363	0.13	ng	0.00
8) Nitrobenzene-d5	8.53	82	4240	0.47	ng	0.00
11) 2-Methylnaphthalene-d10	11.74	152	9434	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	1687	0.63	ng	0.00
15) 2-Fluorobiphenyl	12.64	172	18929	0.40	ng	0.00
25) Fluoranthene-d10	18.81	212	108471	0.46	ng	0.00
29) Terphenyl-d14	19.43	244	31617	0.55	ng	0.00

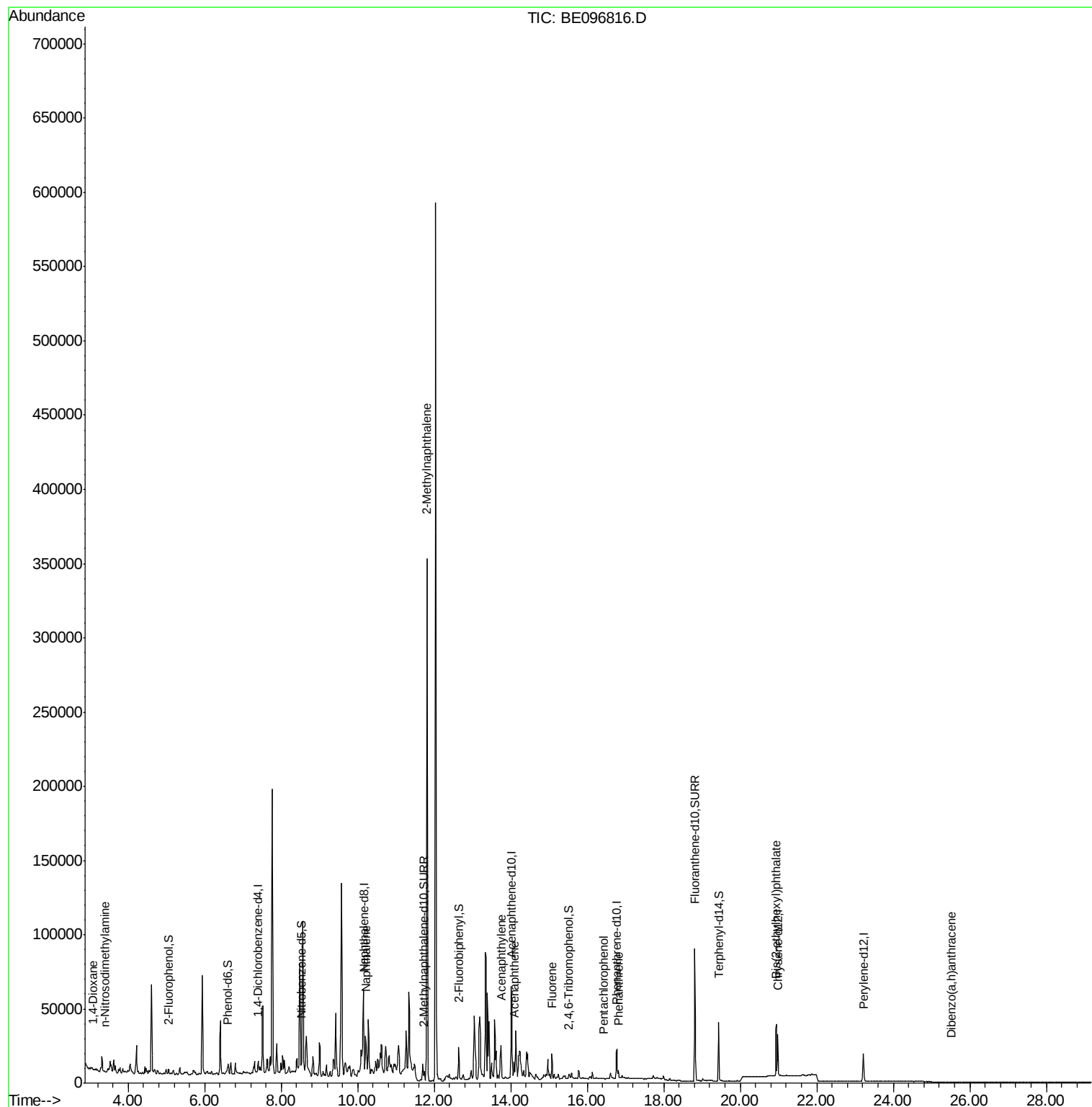
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.07	88	204	0.039	ng	# 16
3) n-Nitrosodimethylamine	3.39	42	700	0.128	ng	# 3
9) Naphthalene	10.21	128	26785	0.170	ng	# 67
12) 2-Methylnaphthalene	11.81	142	249340	9.415	ng	99
16) Acenaphthylene	13.75	152	3054	0.056	ng	# 1
17) Acenaphthene	14.08	154	3306	0.090	ng	# 73
18) Fluorene	15.08	166	10980	0.253	ng	# 82
22) Pentachlorophenol	16.44	266	31	0.102	ng	95
23) Phenanthrene	16.81	178	5000	0.076	ng	# 90
32) Bis(2-ethylhexyl)phthalate	20.94	149	49291	1.073	ng	100
38) Dibenzo(a,h)anthracene	25.53	278	13	0.077	ng	# 1

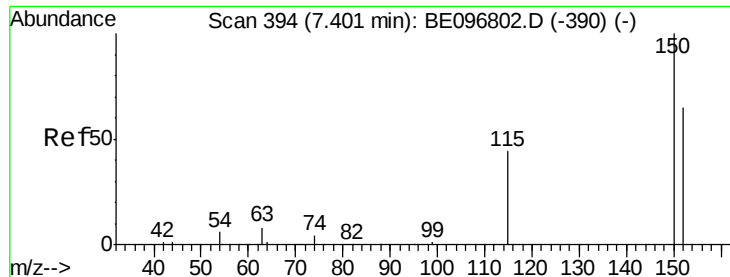
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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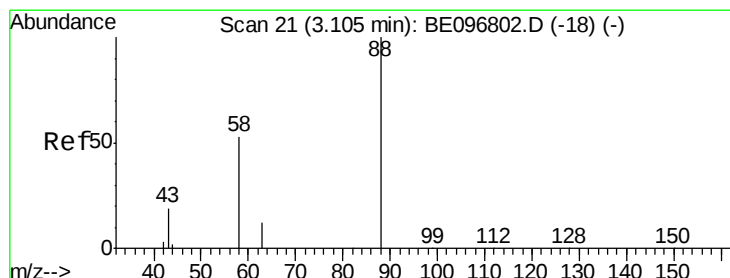
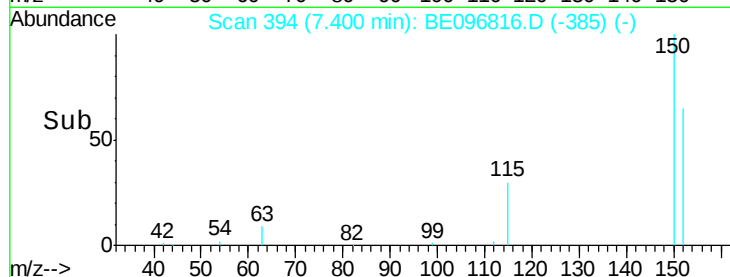
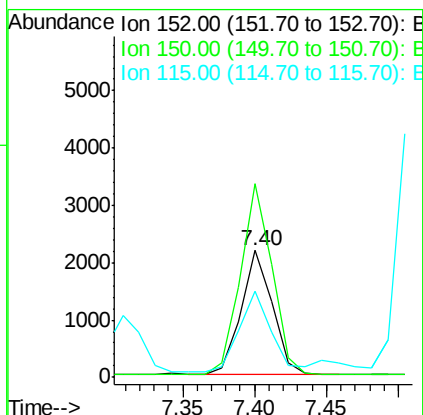
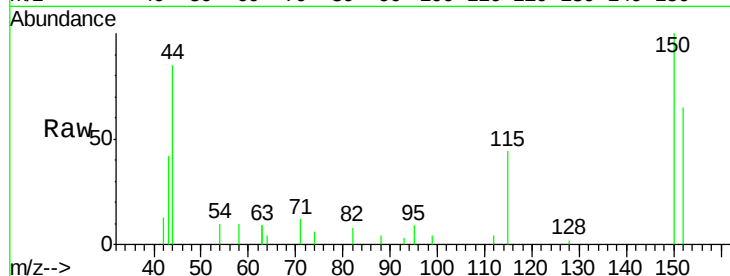


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 394
Delta R.T. -0.00 min
Lab File: BE096816.D
Acq: 18 Jun 2018 19:48

Instrument :
BNA_E
ClientSampleId :

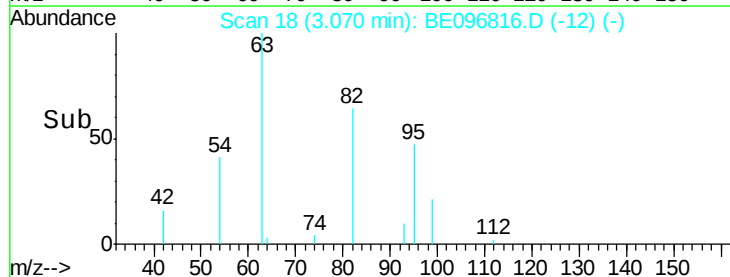
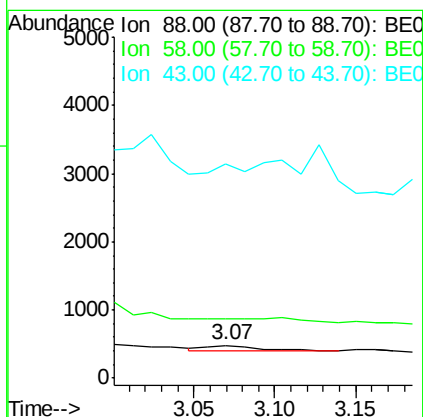
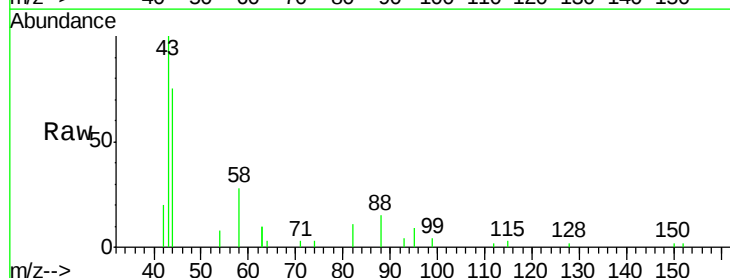
Tot Ion:152 Resp: 3212
Ion Ratio Lower Upper
152 100
150 153.1 117.2 175.8
115 67.9 57.0 85.6

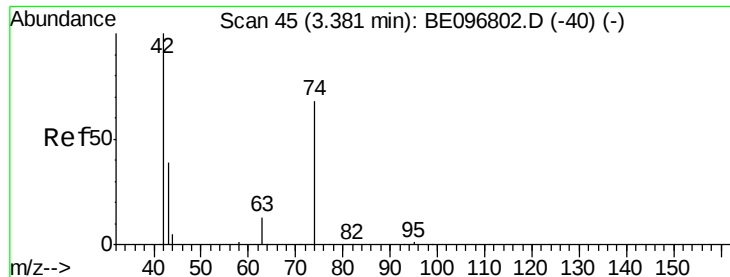


#2

1,4-Dioxane
Concen: 0.039 ng
RT: 3.07 min Scan# 18
Delta R.T. -0.03 min
Lab File: BE096816.D
Acq: 18 Jun 2018 19:48

Tgt Ion: 88 Resp: 204
Ion Ratio Lower Upper
88 100
58 0.0 63.2 94.8#
43 0.0 41.2 61.8#



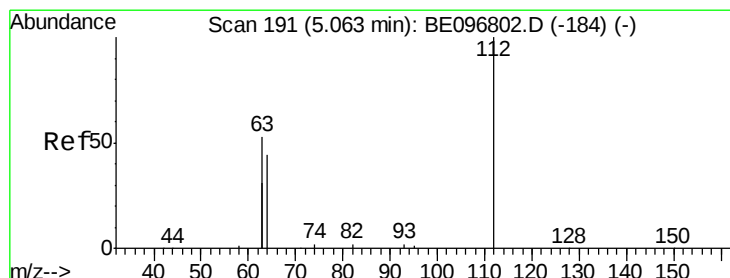
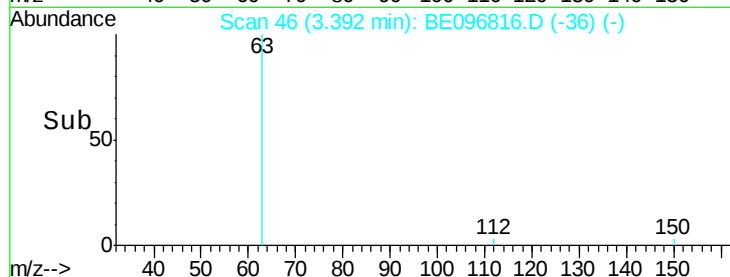
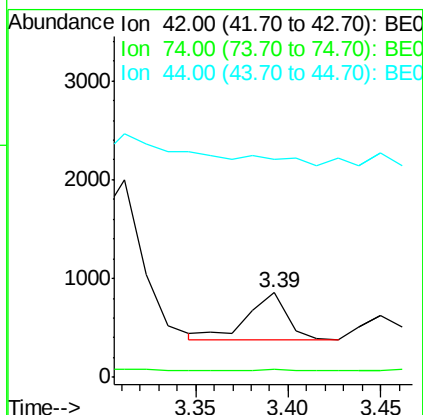
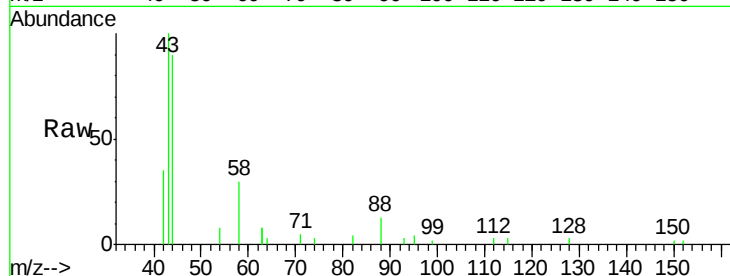


#3

n-Nitrosodimethylamine
 Concen: 0.128 ng
 RT: 3.39 min Scan# 46
 Delta R.T. 0.01 min
 Lab File: BE096816.D
 Acq: 18 Jun 2018 19:48

Instrument :
 BNA_E
 ClientSampleId :

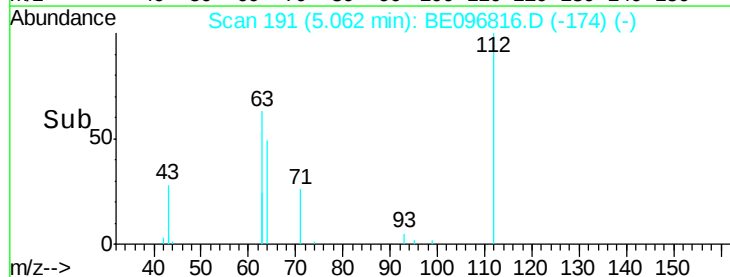
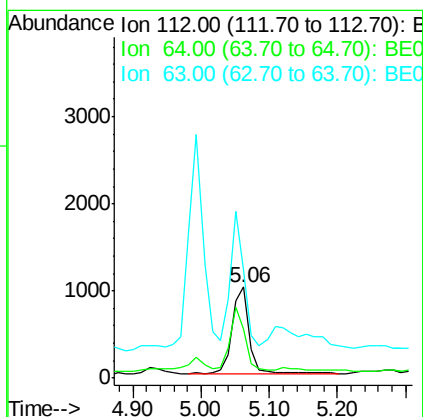
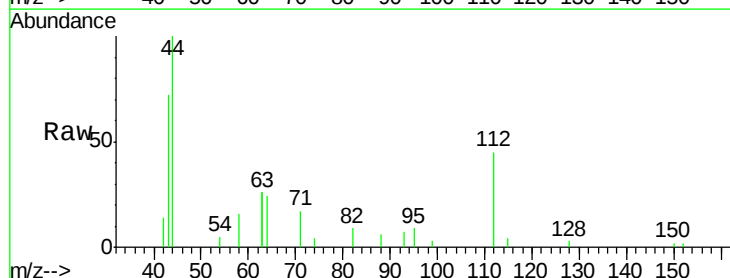
Tot Ion	Ratio	Lower	Upper
42	100		
74	4.0	96.0	144.0#
44	0.0	12.0	18.0#

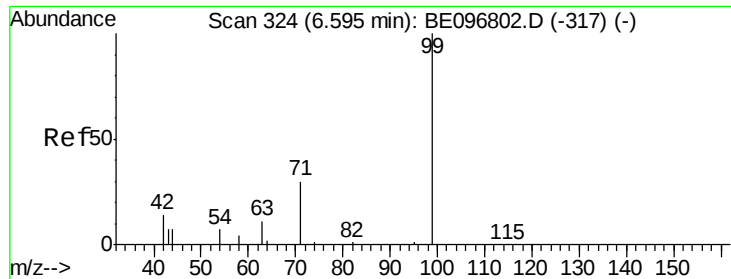


#4

2-Fluorophenol
 Concen: 0.247 ng
 RT: 5.06 min Scan# 191
 Delta R.T. -0.00 min
 Lab File: BE096816.D
 Acq: 18 Jun 2018 19:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.8	60.1	90.1
63	129.8	116.8	175.2





#5

Phenol-d6

Concen: 0.130 ng

RT: 6.59 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE096816.D

Acq: 18 Jun 2018 19:48

Instrument :

BNA_E

ClientSampleId :

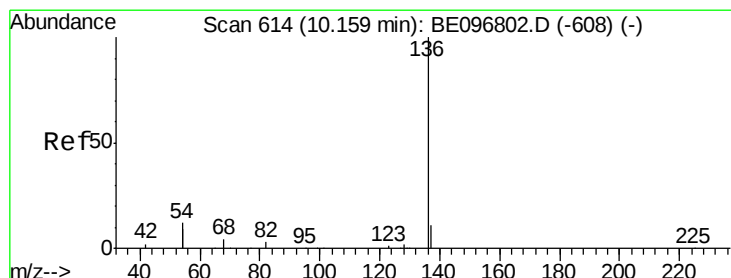
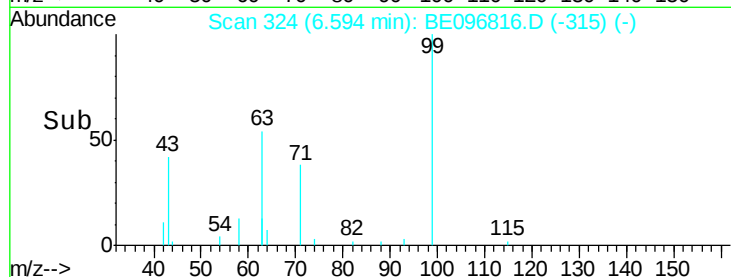
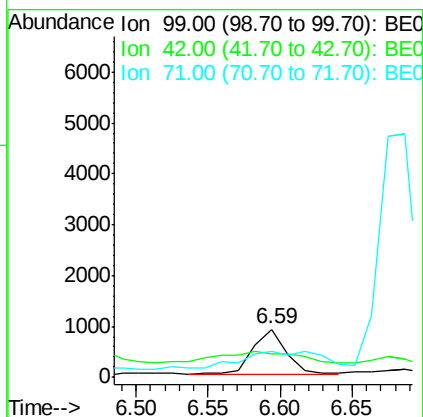
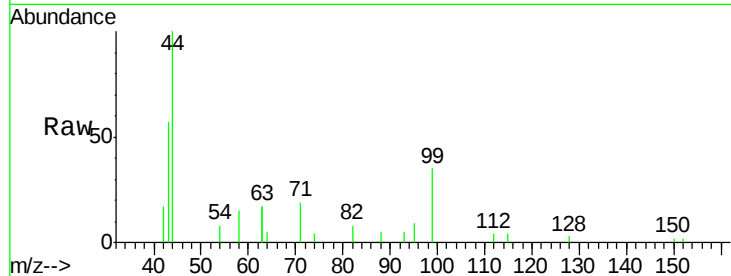
Tot Ion: 99 Resp: 1363

Ion Ratio Lower Upper

99 100

42 63.7 20.2 30.2#

71 97.1 28.4 42.6#



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.16 min Scan# 614

Delta R.T. -0.00 min

Lab File: BE096816.D

Acq: 18 Jun 2018 19:48

Tgt Ion: 136 Resp: 16073

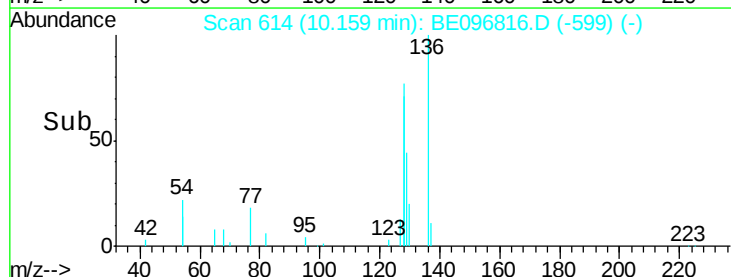
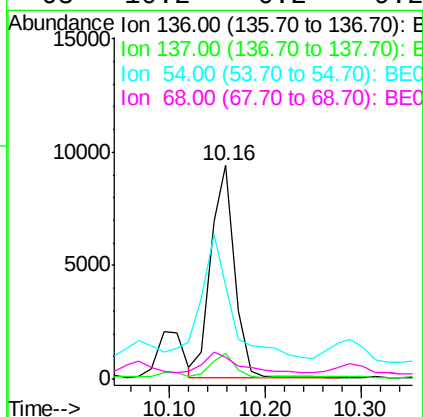
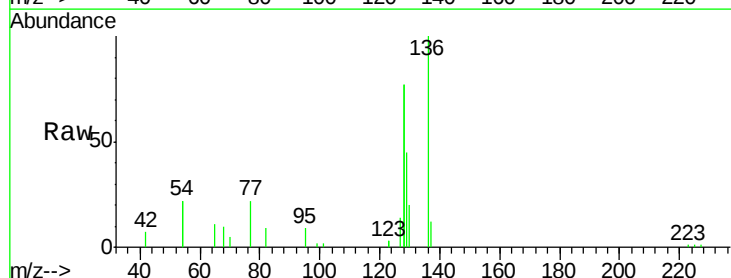
Ion Ratio Lower Upper

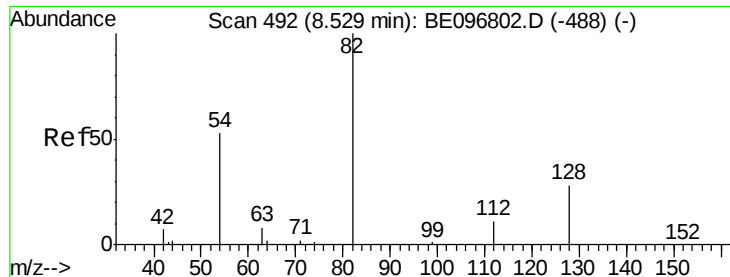
136 100

137 11.8 9.5 14.3

54 44.0 29.1 43.7#

68 10.2 6.2 9.2#





#8

Nitrobenzene-d5

Concen: 0.474 ng

RT: 8.53 min Scan# 492

Delta R.T. -0.00 min

Lab File: BE096816.D

Acq: 18 Jun 2018 19:48

Instrument :

BNA_E

ClientSampleId :

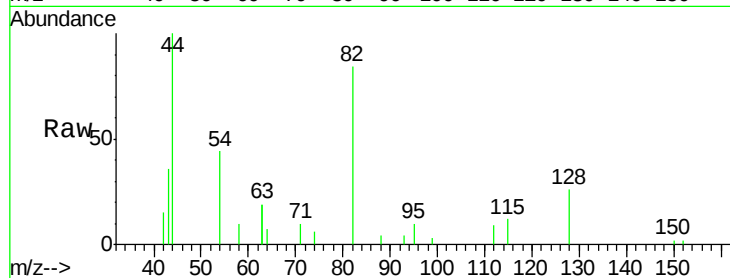
Tot Ion: 82 Resp: 4240

Ion Ratio Lower Upper

82 100

128 31.6 24.0 36.0

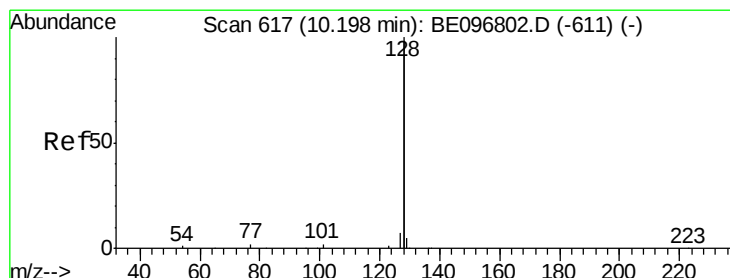
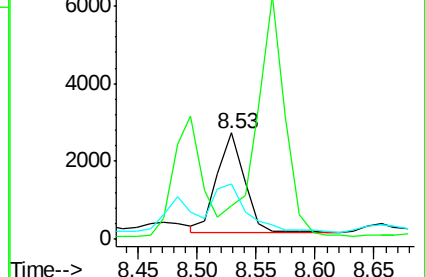
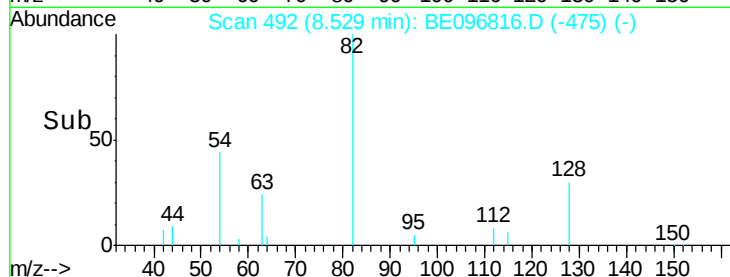
54 52.3 40.0 60.0



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



#9

Naphthalene

Concen: 0.170 ng

RT: 10.21 min Scan# 618

Delta R.T. 0.01 min

Lab File: BE096816.D

Acq: 18 Jun 2018 19:48

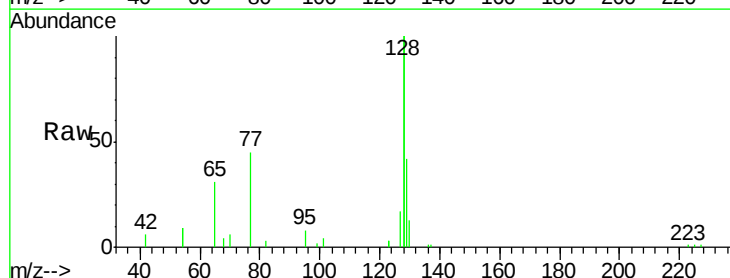
Tgt Ion: 128 Resp: 26785

Ion Ratio Lower Upper

128 100

129 20.9 2.6 3.8#

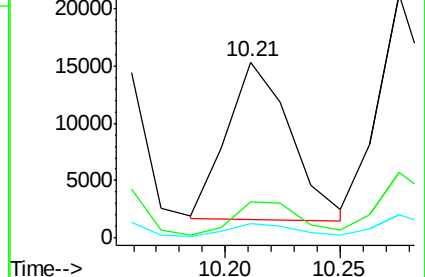
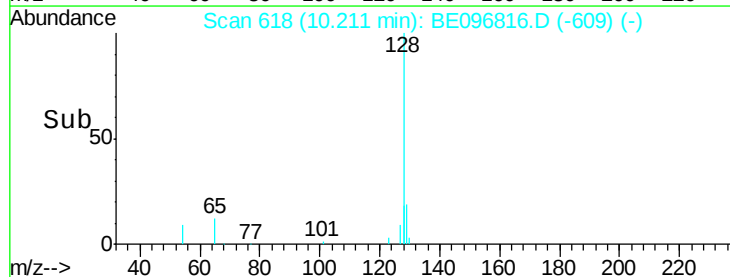
127 8.5 2.8 4.2#

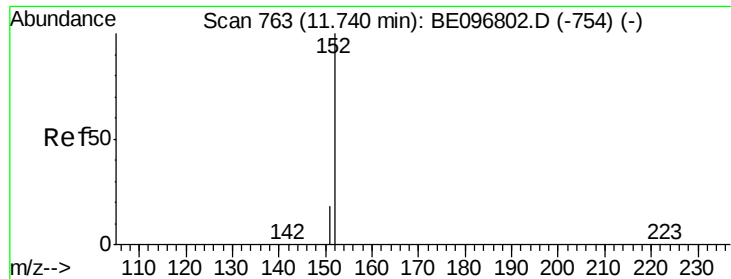


Abundance Ion 128.00 (127.70 to 128.70): BE0

Ion 129.00 (128.70 to 129.70): BE0

Ion 127.00 (126.70 to 127.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.368 ng

RT: 11.74 min Scan# 763

Delta R.T. -0.00 min

Lab File: BE096816.D

Acq: 18 Jun 2018 19:48

Instrument :

BNA_E

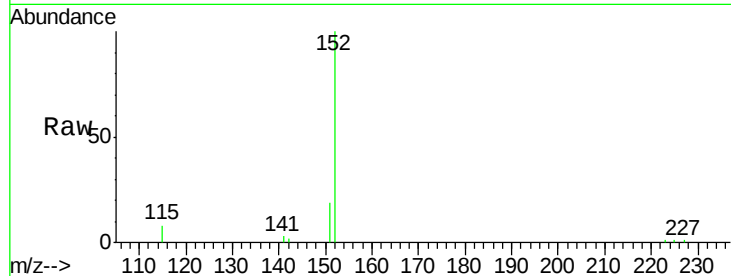
ClientSampleId :

Tot Ion:152 Resp: 9434

Ion Ratio Lower Upper

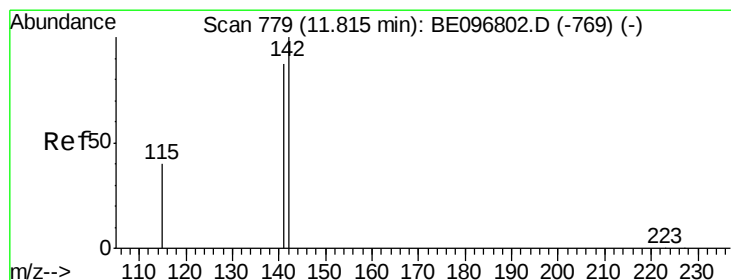
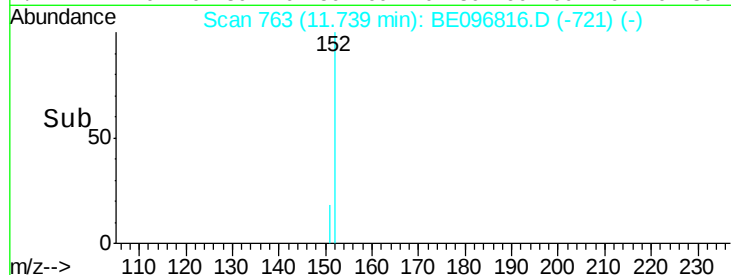
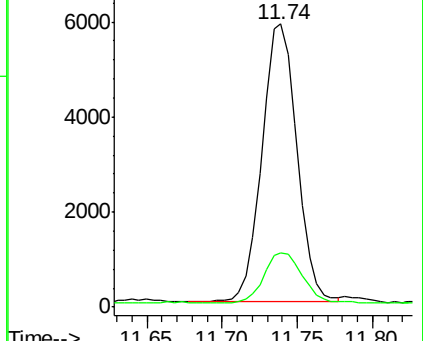
152 100

151 20.0 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 9.415 ng

RT: 11.81 min Scan# 779

Delta R.T. -0.00 min

Lab File: BE096816.D

Acq: 18 Jun 2018 19:48

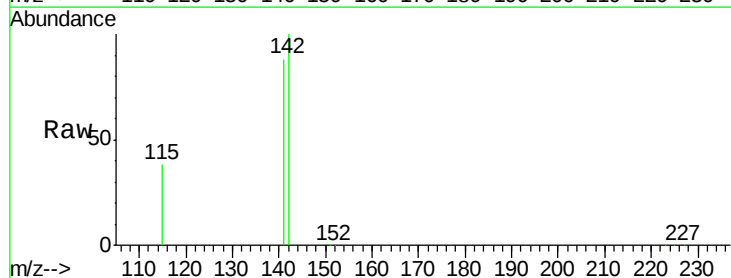
Tgt Ion:142 Resp: 249340

Ion Ratio Lower Upper

142 100

141 87.6 70.4 105.6

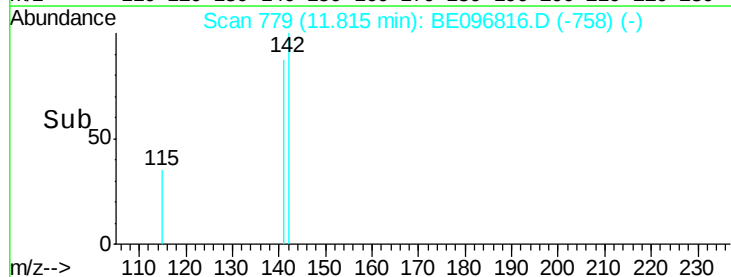
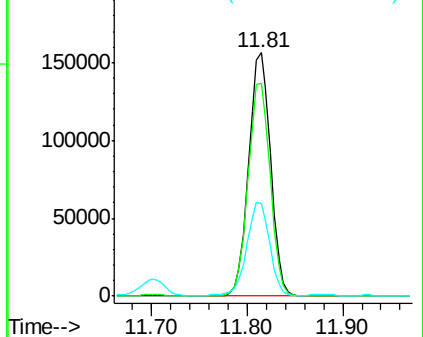
115 38.1 31.7 47.5

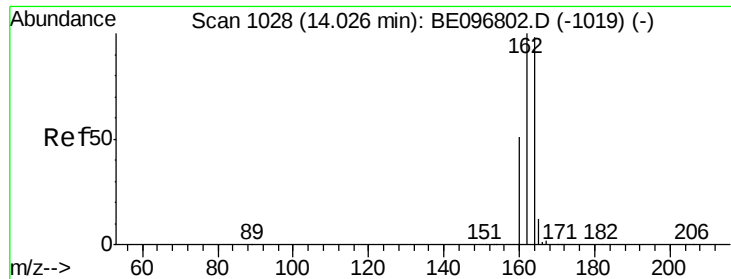


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

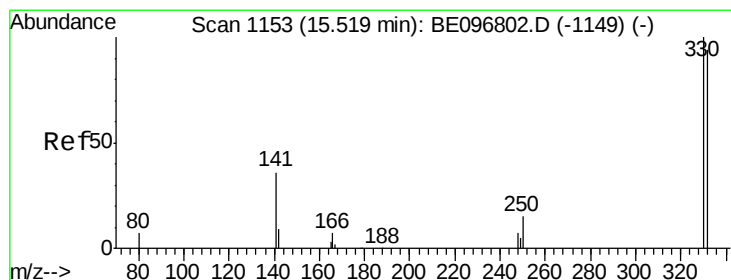
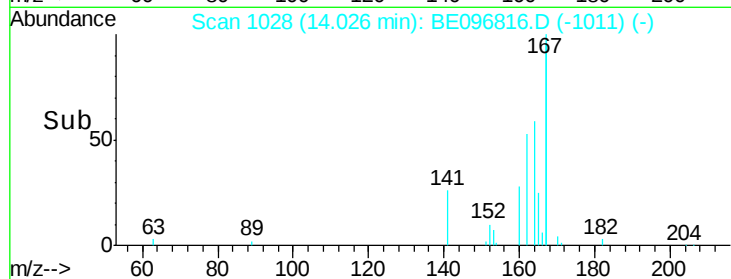
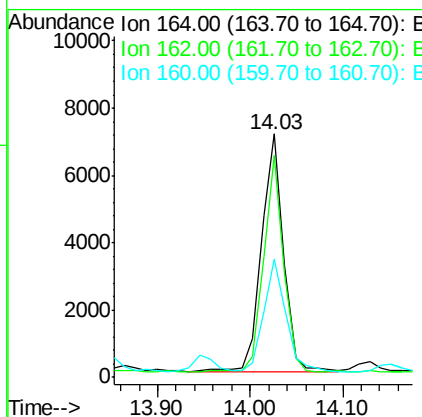
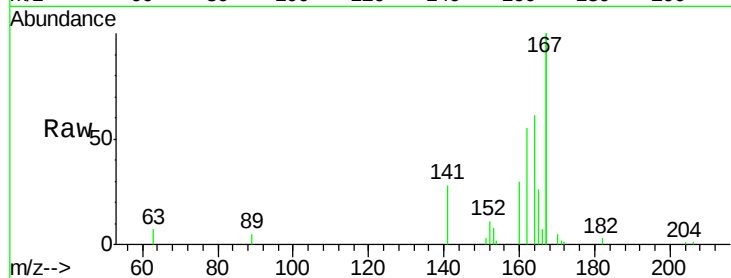




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.03 min Scan# 1028
 Delta R.T. 0.00 min
 Lab File: BE096816.D
 Acq: 18 Jun 2018 19:48

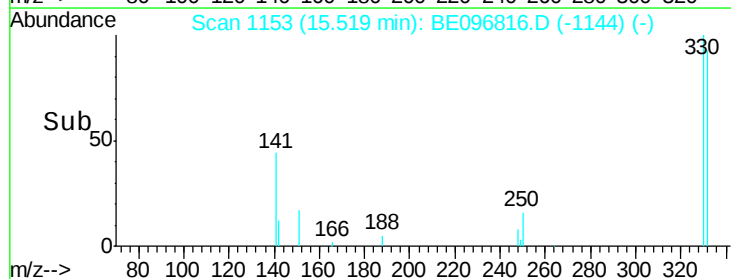
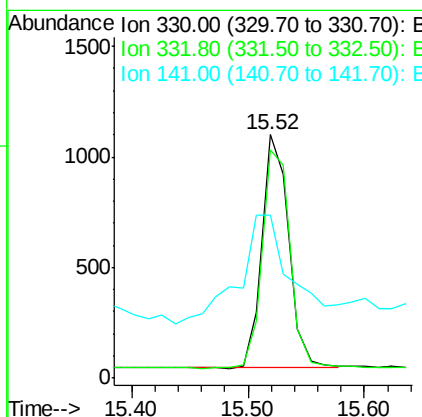
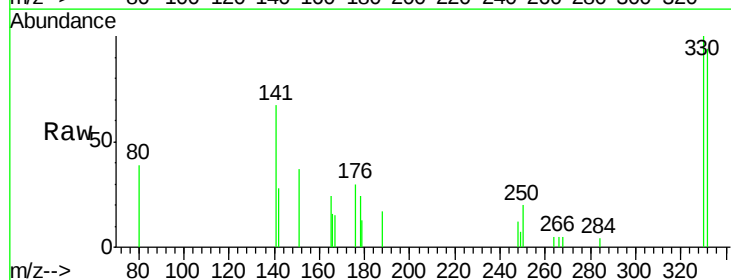
Instrument :
 BNA_E
 ClientSampleId :

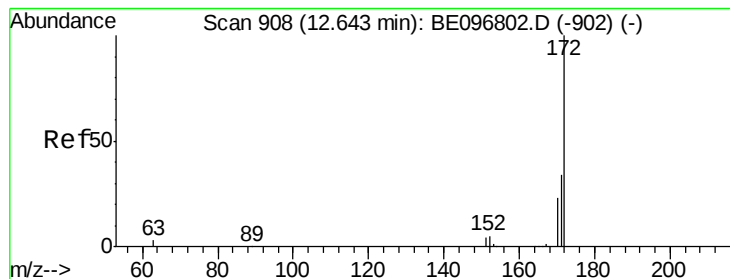
Tot Ion:164 Resp: 11587
 Ion Ratio Lower Upper
 164 100
 162 90.9 83.1 124.7
 160 48.7 37.1 55.7



#14
 2,4,6-Tribromophenol
 Concen: 0.630 ng
 RT: 15.52 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: BE096816.D
 Acq: 18 Jun 2018 19:48

Tgt Ion:330 Resp: 1687
 Ion Ratio Lower Upper
 330 100
 332 97.3 152.7 229.1#
 141 87.9 33.7 50.5#

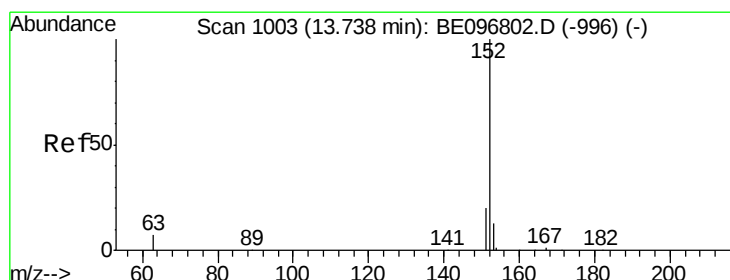
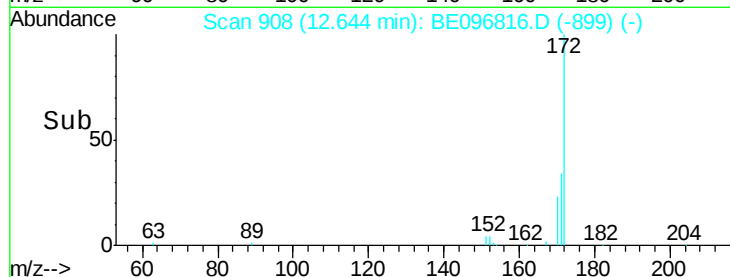
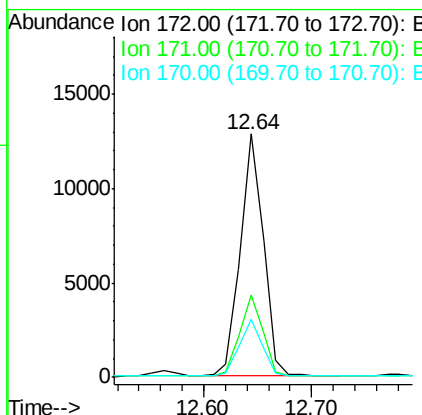
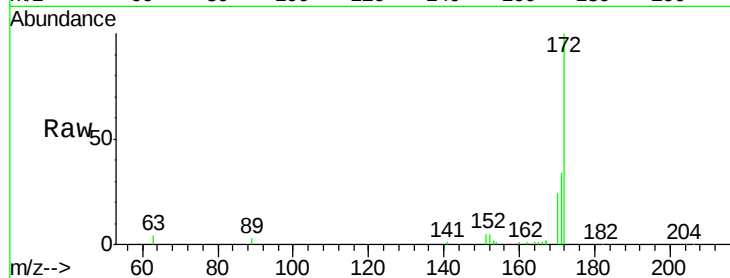




#15
2-Fluorobiphenyl
Concen: 0.397 ng
RT: 12.64 min Scan# 908
Delta R.T. 0.00 min
Lab File: BE096816.D
Acq: 18 Jun 2018 19:48

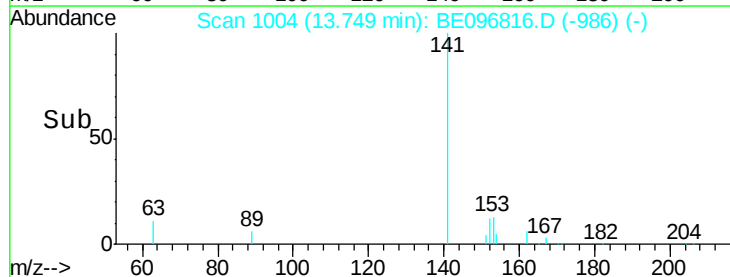
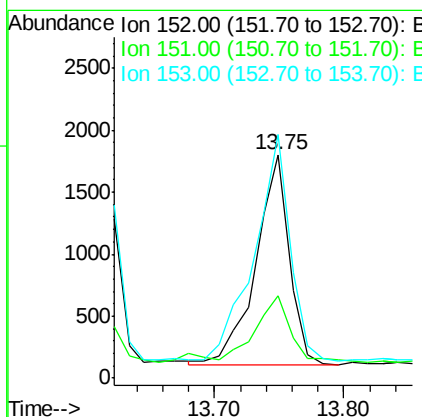
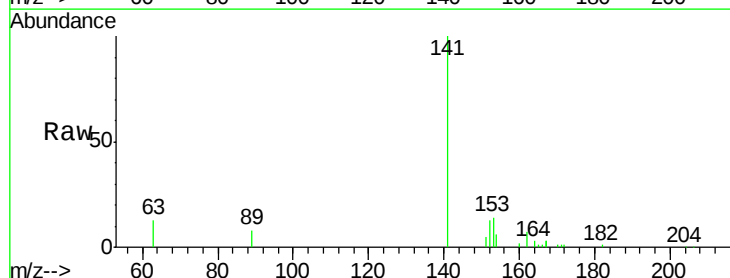
Instrument :
BNA_E
ClientSampleId :

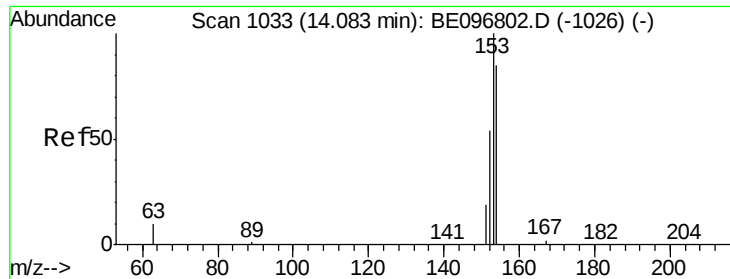
Tot Ion:172 Resp: 18929
Ion Ratio Lower Upper
172 100
171 33.9 29.9 44.9
170 23.7 21.8 32.8



#16
Acenaphthylene
Concen: 0.056 ng
RT: 13.75 min Scan# 1004
Delta R.T. 0.01 min
Lab File: BE096816.D
Acq: 18 Jun 2018 19:48

Tgt Ion:152 Resp: 3054
Ion Ratio Lower Upper
152 100
151 33.8 15.7 23.5#
153 115.4 10.5 15.7#

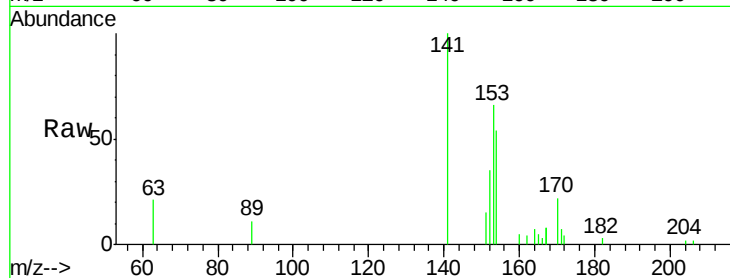




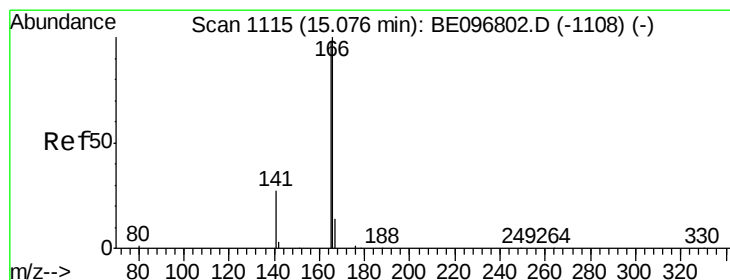
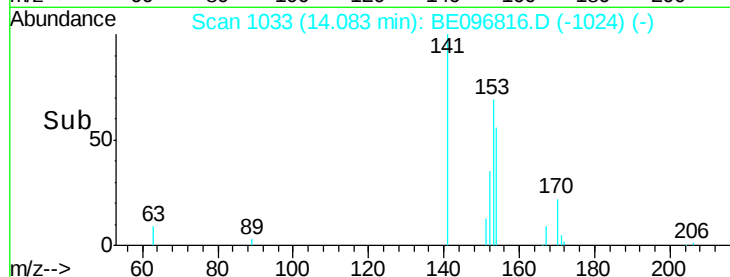
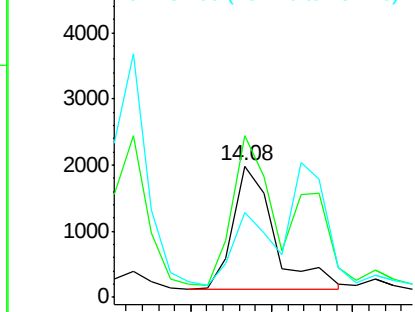
#17
Acenaphthene
Concen: 0.090 ng
RT: 14.08 min Scan# 1033
Delta R.T. 0.00 min
Lab File: BE096816.D
Acq: 18 Jun 2018 19:48

Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 3306
Ion Ratio Lower Upper
154 100
153 106.0 89.2 133.8
152 0.0 42.0 63.0#

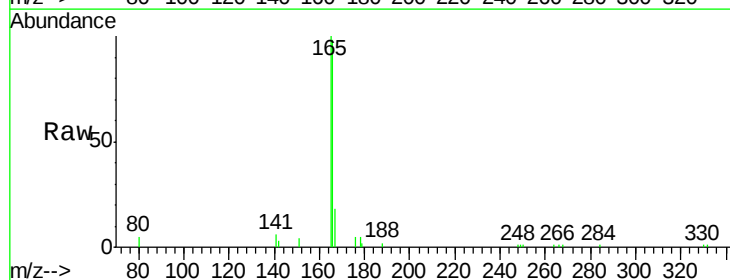


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

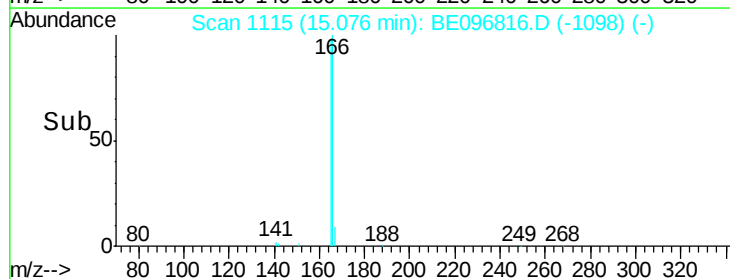
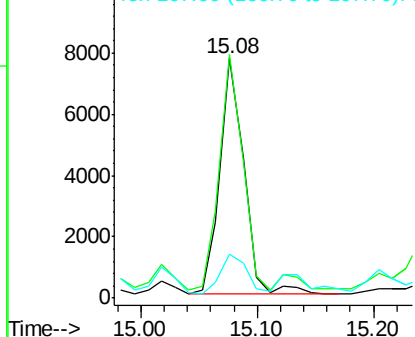


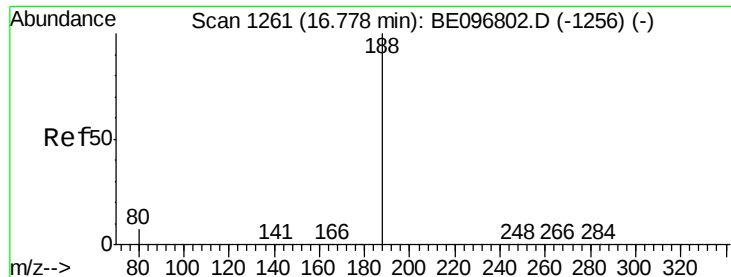
#18
Fluorene
Concen: 0.253 ng
RT: 15.08 min Scan# 1115
Delta R.T. -0.00 min
Lab File: BE096816.D
Acq: 18 Jun 2018 19:48

Tgt Ion:166 Resp: 10980
Ion Ratio Lower Upper
166 100
165 96.3 77.8 116.6
167 18.3 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: BE096816.D

Acq: 18 Jun 2018 19:48

Instrument :

BNA_E

ClientSampleId :

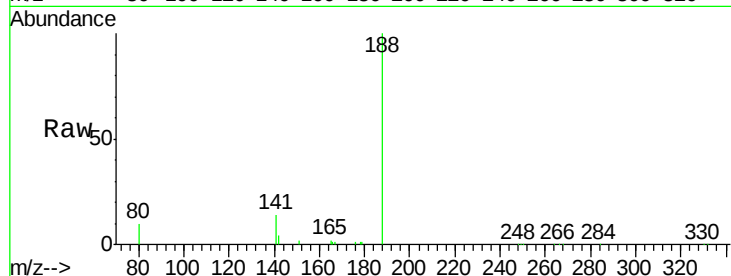
Tot Ion:188 Resp: 24237

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

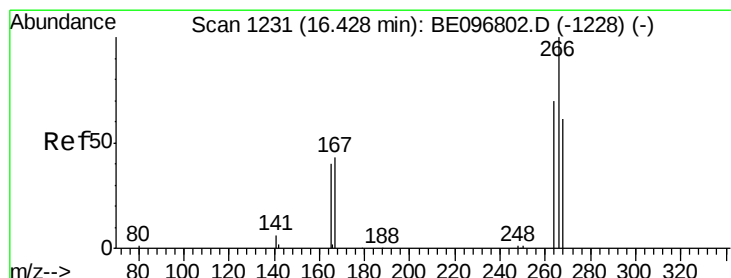
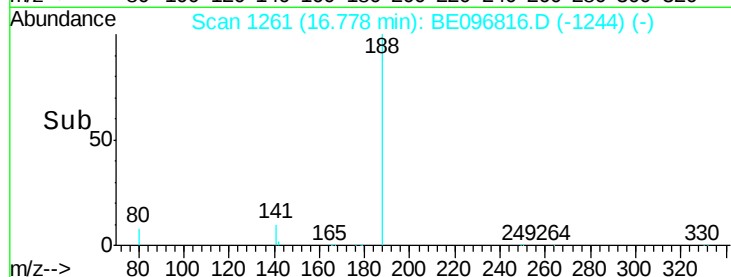
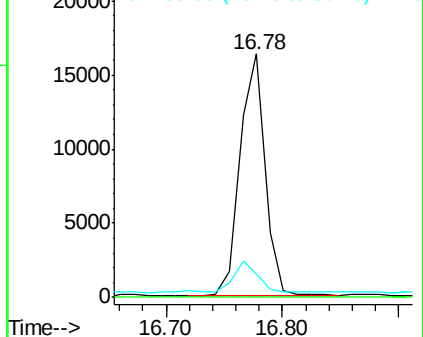
80 9.7 3.6 5.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#22

Pentachlorophenol

Concen: 0.102 ng

RT: 16.44 min Scan# 1232

Delta R.T. 0.01 min

Lab File: BE096816.D

Acq: 18 Jun 2018 19:48

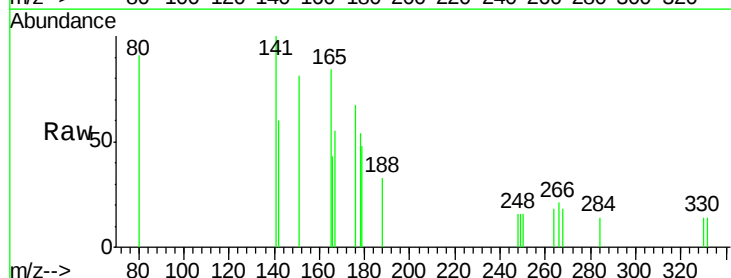
Tgt Ion:266 Resp: 31

Ion Ratio Lower Upper

266 100

264 86.5 72.5 108.7

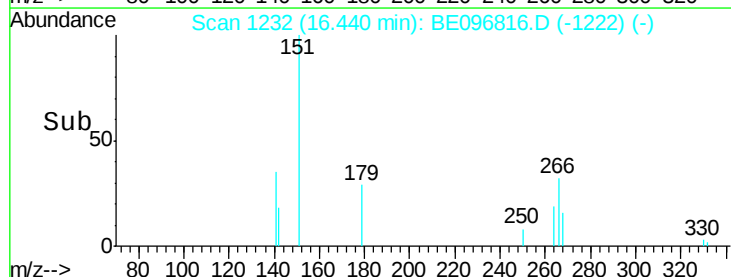
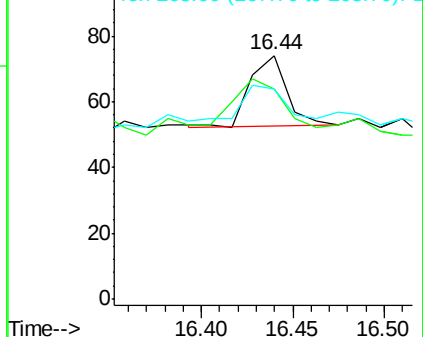
268 86.5 73.8 110.6

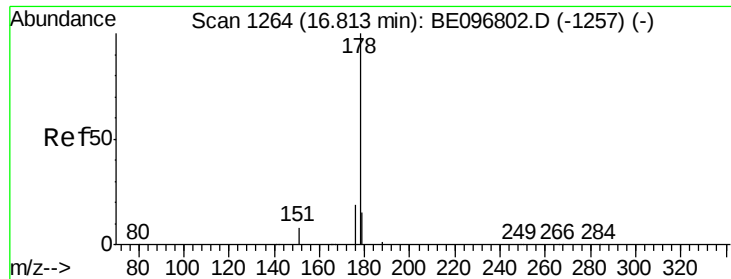


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

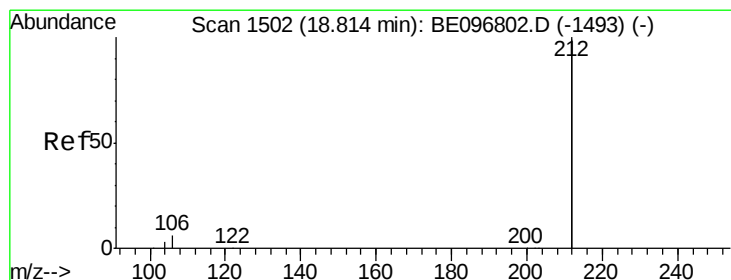
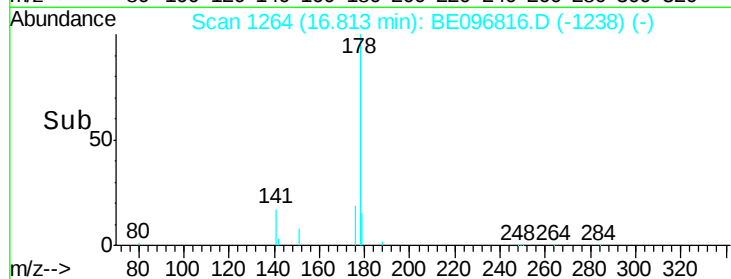
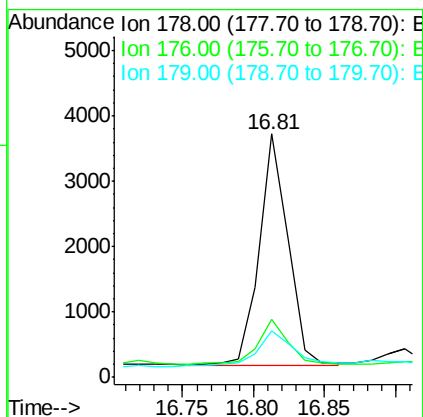
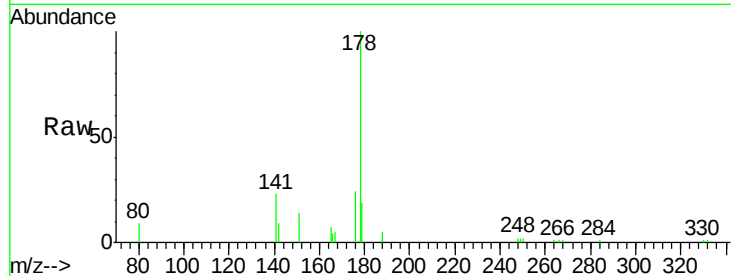




#23
Phenanthrene
Concen: 0.076 ng
RT: 16.81 min Scan# 1264
Delta R.T. -0.00 min
Lab File: BE096816.D
Acq: 18 Jun 2018 19:48

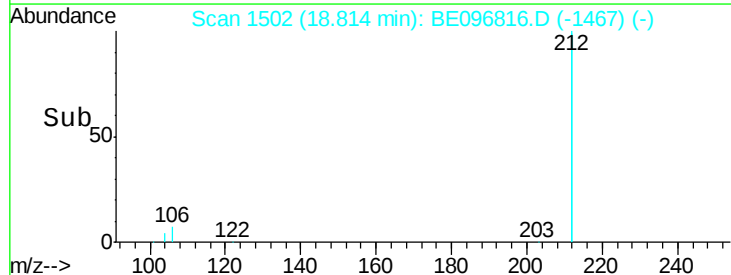
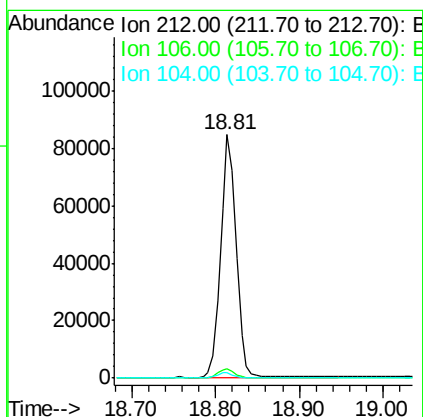
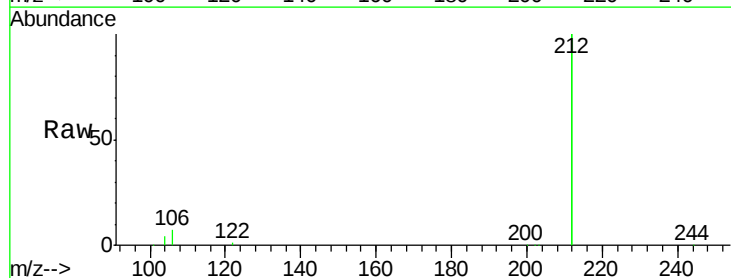
Instrument :
BNA_E
ClientSampleId :

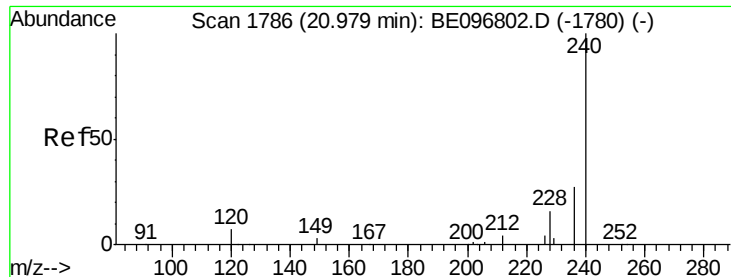
Tot Ion:178 Resp: 5000
Ion Ratio Lower Upper
178 100
176 21.5 15.1 22.7
179 20.7 11.8 17.6#



#25
Fluoranthene-d10
Concen: 0.457 ng
RT: 18.81 min Scan# 1502
Delta R.T. -0.00 min
Lab File: BE096816.D
Acq: 18 Jun 2018 19:48

Tgt Ion:212 Resp: 108471
Ion Ratio Lower Upper
212 100
106 3.7 2.8 4.2
104 1.9 1.6 2.4





#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.98 min Scan# 1786

Delta R.T. -0.00 min

Lab File: BE096816.D

Acq: 18 Jun 2018 19:48

Instrument :

BNA_E

ClientSampleId :

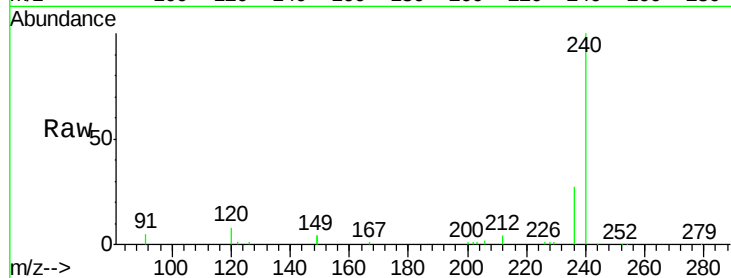
Tot Ion:240 Resp: 25228

Ion Ratio Lower Upper

240 100

120 8.3 5.5 8.3

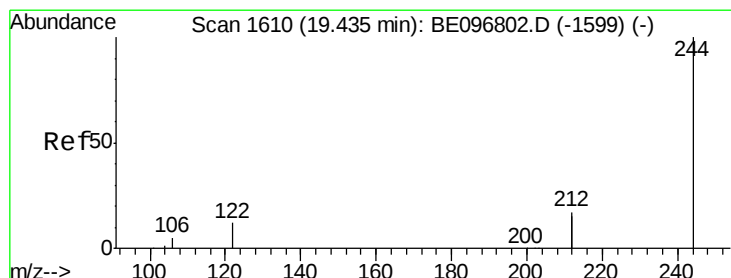
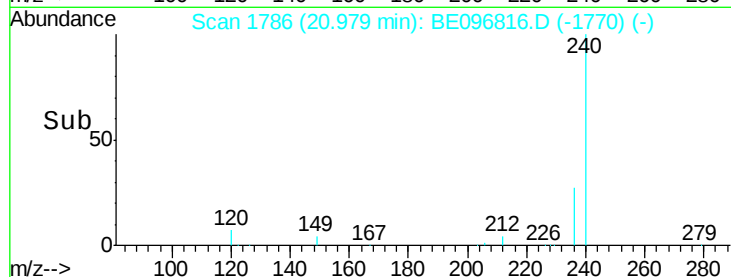
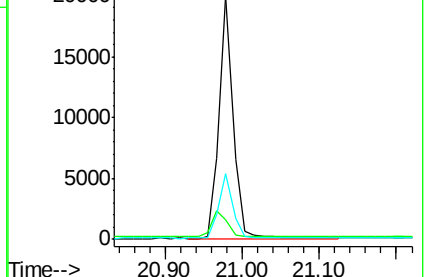
236 27.1 20.7 31.1



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



#29

Terphenyl-d14

Concen: 0.553 ng

RT: 19.43 min Scan# 1610

Delta R.T. -0.00 min

Lab File: BE096816.D

Acq: 18 Jun 2018 19:48

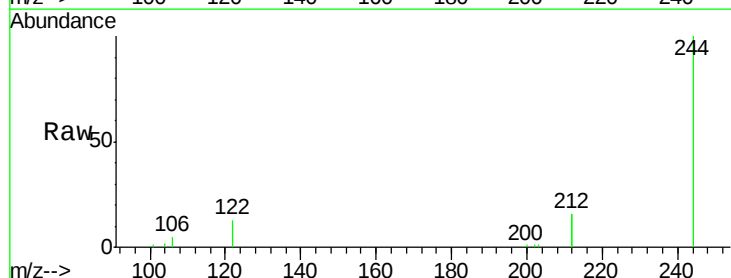
Tgt Ion:244 Resp: 31617

Ion Ratio Lower Upper

244 100

212 32.7 25.4 38.0

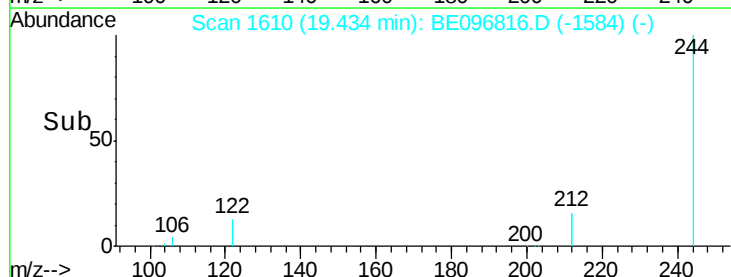
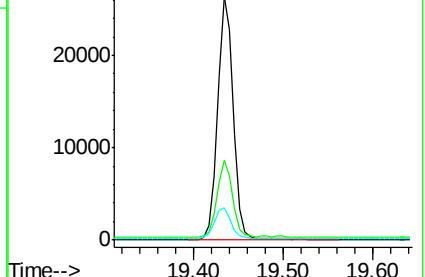
122 13.4 8.1 12.1#

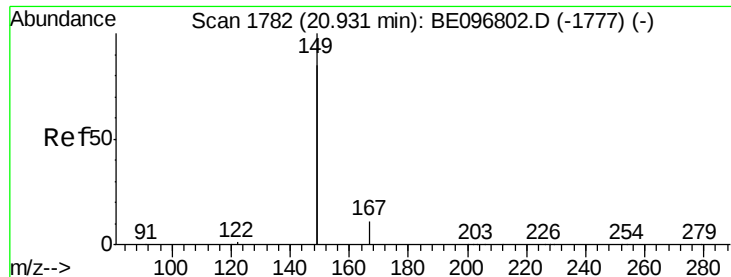


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 1.073 ng

RT: 20.94 min Scan# 1783

Delta R.T. 0.01 min

Lab File: BE096816.D

Acq: 18 Jun 2018 19:48

Instrument :

BNA_E

ClientSampleId :

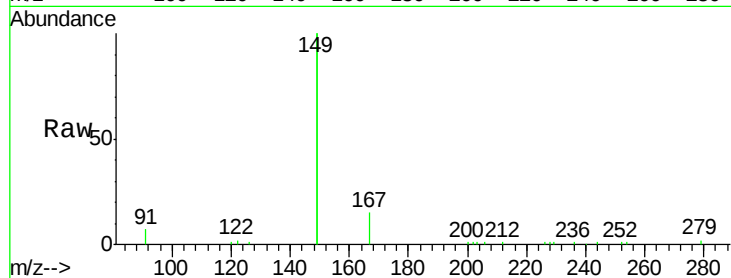
Tot Ion:149 Resp: 49291

Ion Ratio Lower Upper

149 100

167 6.6 5.4 8.0

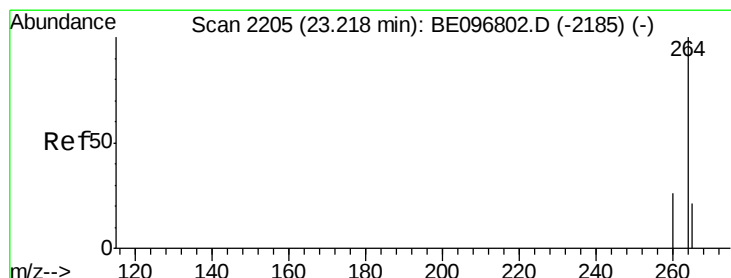
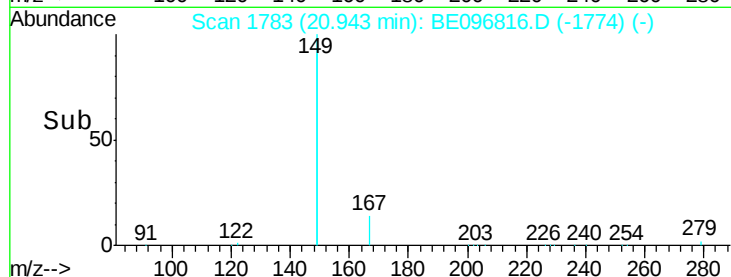
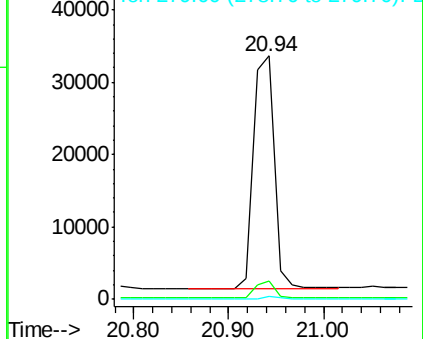
279 0.8 0.7 1.1



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.21 min Scan# 2204

Delta R.T. -0.00 min

Lab File: BE096816.D

Acq: 18 Jun 2018 19:48

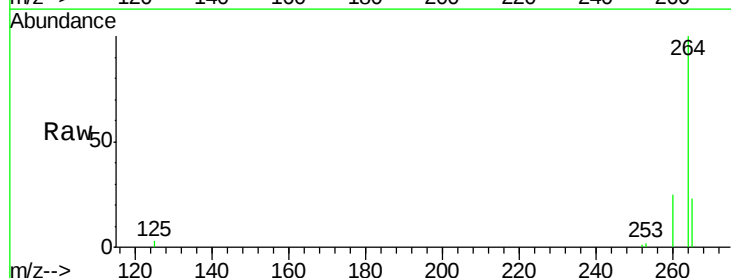
Tgt Ion:264 Resp: 24647

Ion Ratio Lower Upper

264 100

260 25.1 20.5 30.7

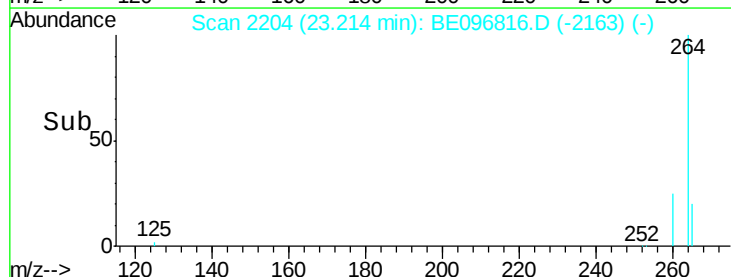
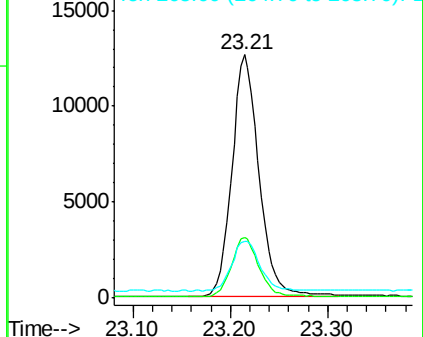
265 23.5 22.8 34.2

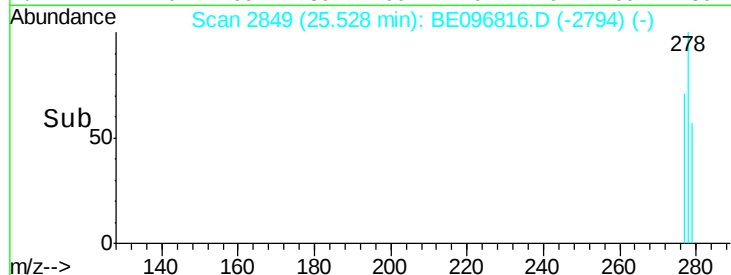
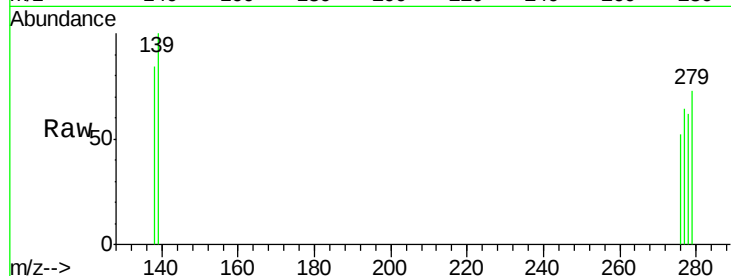
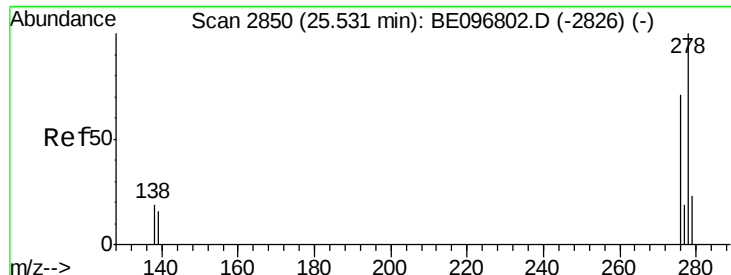


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#38

Dibenzo(a,h)anthracene

Concen: 0.077 ng

RT: 25.53 min Scan# 2849

Delta R.T. -0.00 min

Lab File: BE096816.D

Acq: 18 Jun 2018 19:48

Instrument :

BNA_E

ClientSampleId :

Tot Ion: 278 Resp: 13

Ion Ratio Lower Upper

278 100

139 162.3 16.0 24.0#

279 118.8 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

