

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071618\
 Data File : BE096948.D
 Acq On : 16 Jul 2018 21:27
 Operator : SJ/JU
 Sample : J3921-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 17 16:43:04 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 17 15:02:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	2677	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	13235	0.40	ng	0.00
13) Acenaphthene-d10	14.03	164	7160	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	19011	0.40	ng	-0.01
27) Chrysene-d12	20.98	240	16908	0.40	ng	0.00
34) Perylene-d12	23.21	264	16506	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	1226	0.19	ng	0.00
5) Phenol-d6	6.59	99	1070	0.11	ng	0.00
8) Nitrobenzene-d5	8.53	82	4366	0.45	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	8255	0.43	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	826	0.51	ng	0.00
15) 2-Fluorobiphenyl	12.64	172	14978	0.56	ng	0.00
25) Fluoranthene-d10	18.81	212	84377	0.51	ng	0.00
29) Terphenyl-d14	19.43	244	22008	0.67	ng	0.00

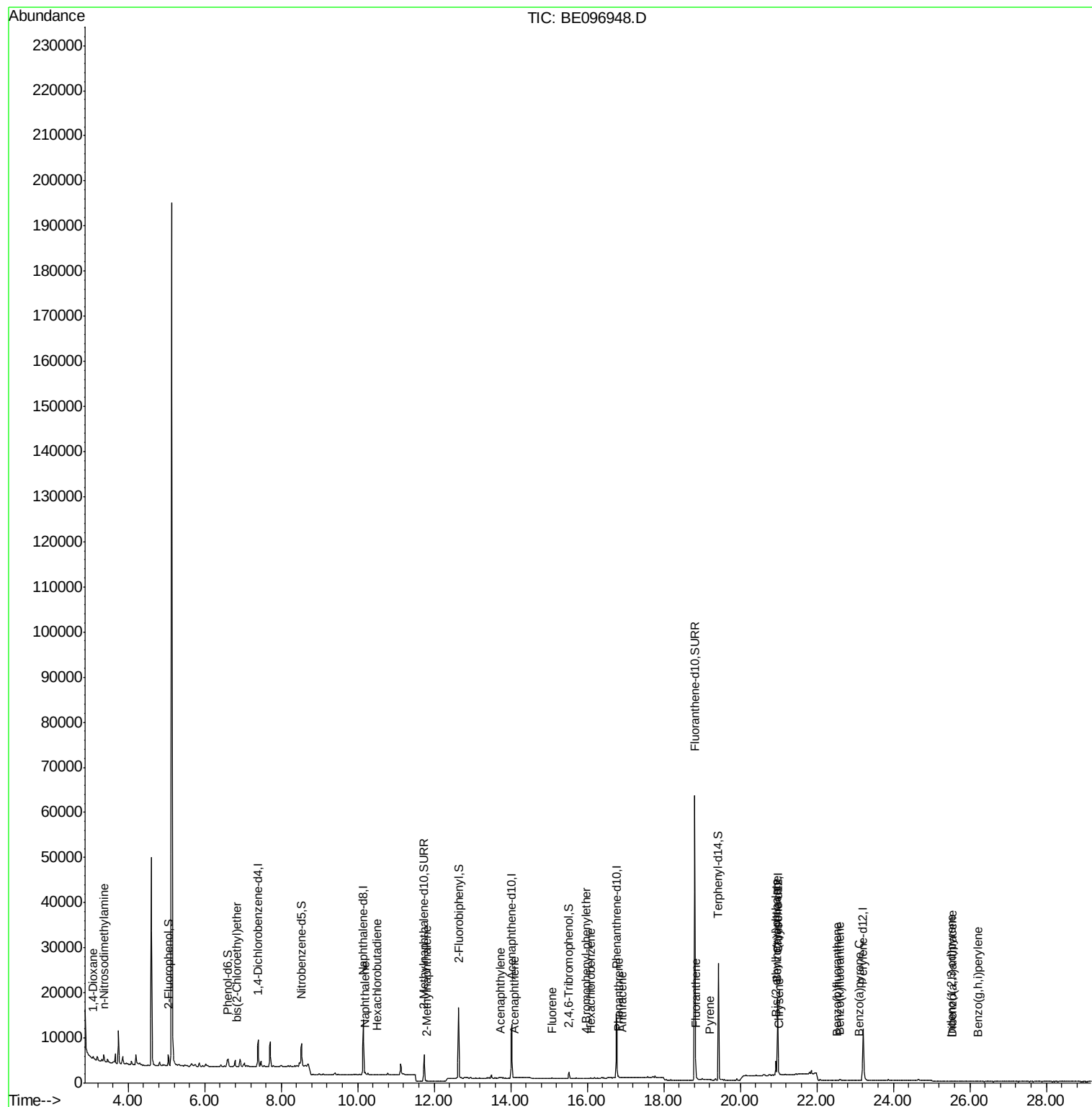
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.08	88	80	0.021	ng	# 1
3) n-Nitrosodimethylamine	3.36	42	188	0.044	ng	# 1
6) bis(2-Chloroethyl)ether	6.85	93	20	0.002	ng	# 32
9) Naphthalene	10.20	128	742	0.006	ng	# 78
10) Hexachlorobutadiene	10.50	225	16	0.003	ng	# 85
12) 2-Methylnaphthalene	11.81	142	105	0.005	ng	# 84
16) Acenaphthylene	13.74	152	61	0.002	ng	# 79
17) Acenaphthene	14.08	154	55	0.003	ng	# 64
18) Fluorene	15.08	166	85	0.004	ng	# 79
20) 4-Bromophenyl-phenylether	15.99	248	22	0.002	ng	# 46
21) Hexachlorobenzene	16.09	284	26	0.003	ng	# 73
22) Pentachlorophenol	16.45	266	14	Below Cal		93
23) Phenanthrene	16.81	178	364	0.008	ng	# 80
24) Anthracene	16.91	178	94	0.002	ng	# 39
26) Fluoranthene	18.84	202	197	0.004	ng	# 95
28) Pyrene	19.21	202	180	0.004	ng	100
30) Benzo(a)anthracene	20.97	228	176	0.004	ng	# 43
31) Chrysene	21.02	228	139	0.003	ng	# 46
32) Bis(2-ethylhexyl)phthalate	20.93	149	3655	0.091	ng	# 99
33) Indeno(1,2,3-cd)pyrene	25.50	276	54	0.002	ng	# 81
35) Benzo(b)fluoranthene	22.53	252	166	0.004	ng	# 4
36) Benzo(k)fluoranthene	22.59	252	169	0.003	ng	# 1
37) Benzo(a)pyrene	23.11	252	72	0.103	ng	# 1
38) Dibenzo(a,h)anthracene	25.54	278	46	0.119	ng	# 1
39) Benzo(g,h,i)perylene	26.21	276	102	0.003	ng	# 1

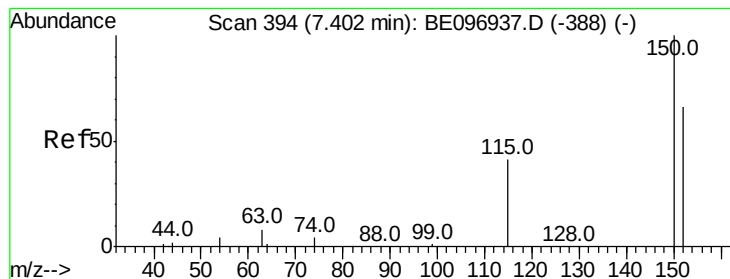
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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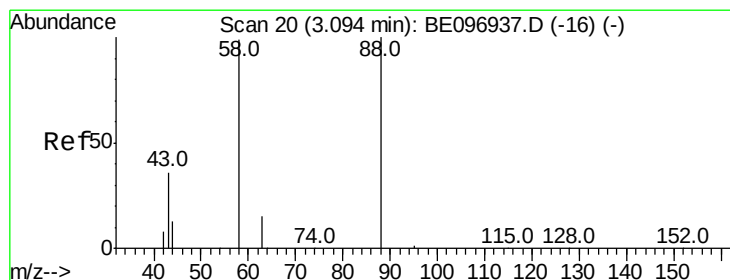
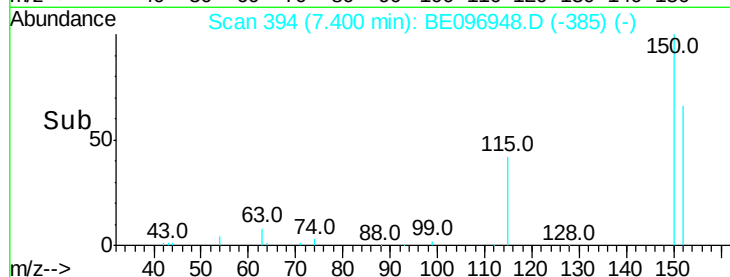
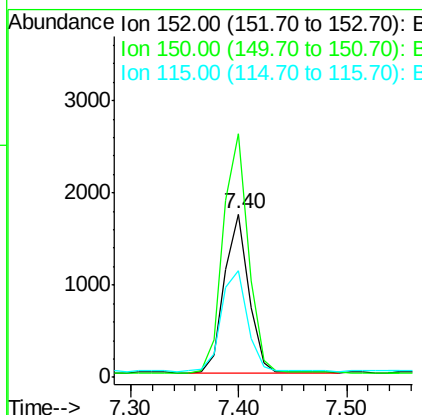
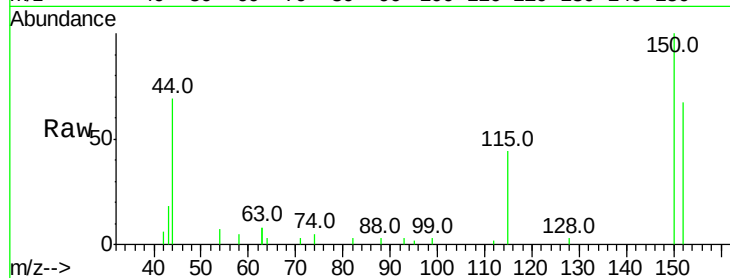


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 394
Delta R.T. -0.00 min
Lab File: BE096948.D
Acq: 16 Jul 2018 21:27

Instrument :
BNA_E
ClientSampleId :

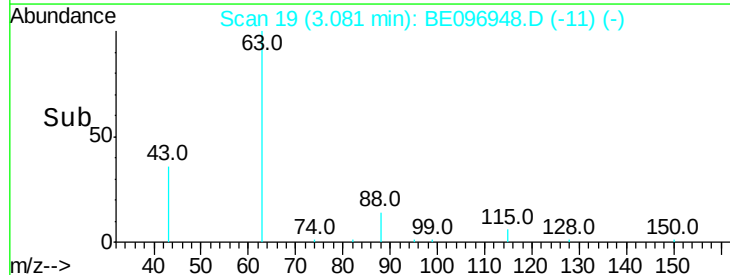
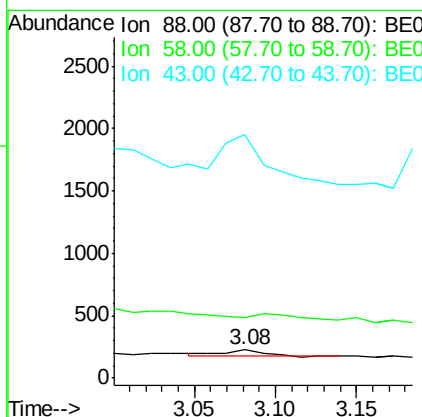
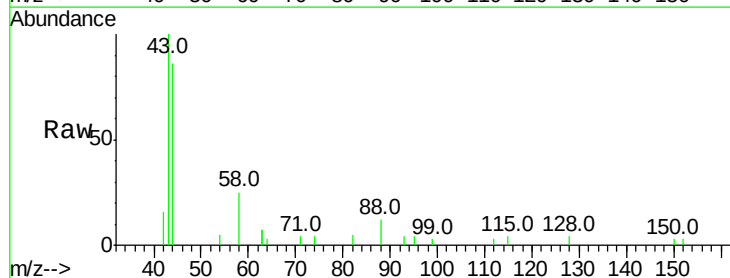
Tot Ion:152 Resp: 2677
Ion Ratio Lower Upper
152 100
150 149.3 117.2 175.8
115 65.8 57.0 85.6

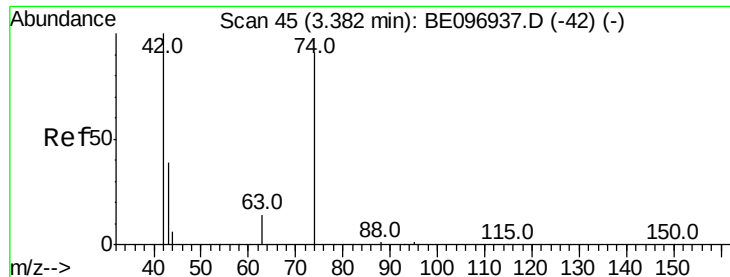


#2

1,4-Dioxane
Concen: 0.021 ng
RT: 3.08 min Scan# 19
Delta R.T. -0.01 min
Lab File: BE096948.D
Acq: 16 Jul 2018 21:27

Tgt Ion: 88 Resp: 80
Ion Ratio Lower Upper
88 100
58 110.0 63.2 94.8#
43 943.8 41.2 61.8#



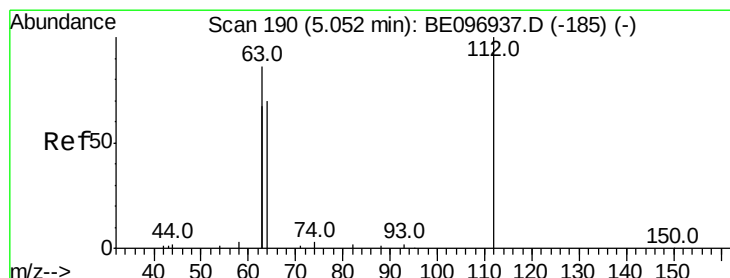
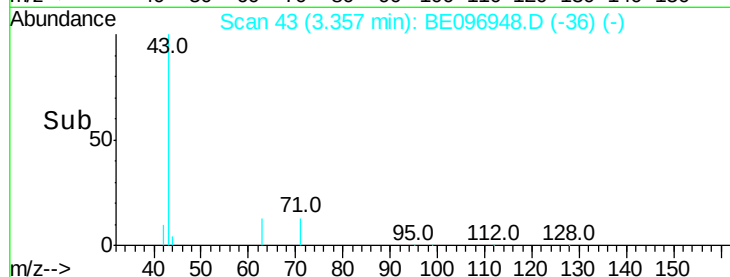
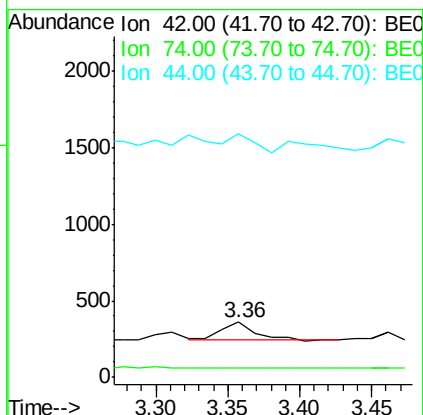
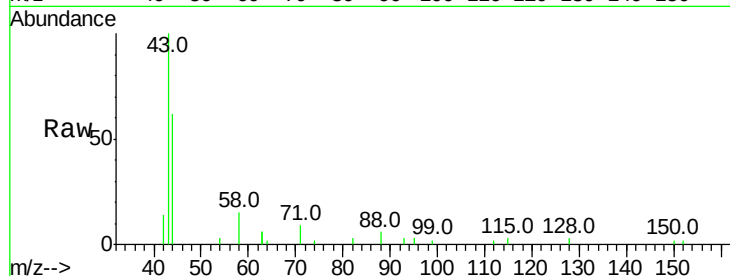


#3

n-Nitrosodimethylamine
 Concen: 0.044 ng
 RT: 3.36 min Scan# 43
 Delta R.T. -0.02 min
 Lab File: BE096948.D
 Acq: 16 Jul 2018 21:27

Instrument :
 BNA_E
 ClientSampleId :

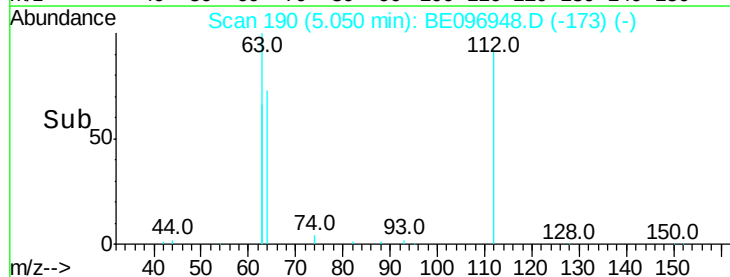
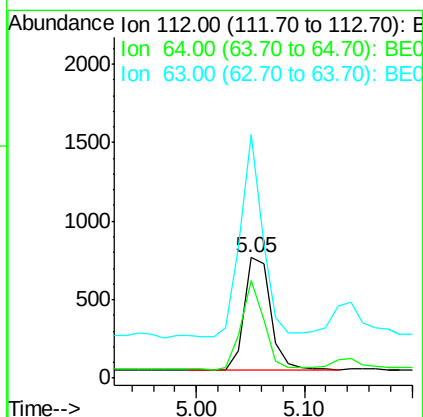
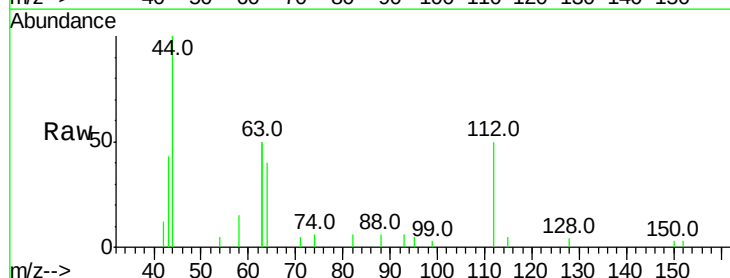
Tot Ion: 42 Resp: 188
 Ion Ratio Lower Upper
 42 100
 74 0.0 96.0 144.0#
 44 0.0 12.0 18.0#

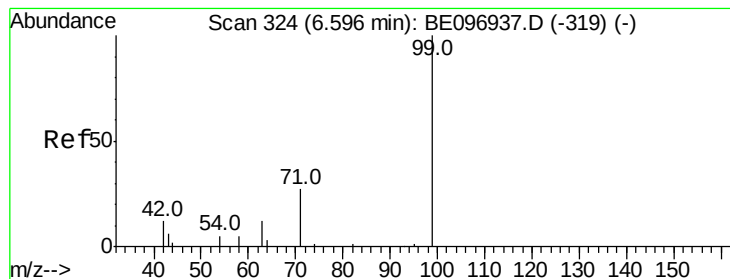


#4

2-Fluorophenol
 Concen: 0.191 ng
 RT: 5.05 min Scan# 190
 Delta R.T. -0.00 min
 Lab File: BE096948.D
 Acq: 16 Jul 2018 21:27

Tgt Ion: 112 Resp: 1226
 Ion Ratio Lower Upper
 112 100
 64 68.5 60.1 90.1
 63 151.4 116.8 175.2





#5

Phenol-d6

Concen: 0.109 ng

RT: 6.59 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE096948.D

Acq: 16 Jul 2018 21:27

Instrument :

BNA_E

ClientSampled :

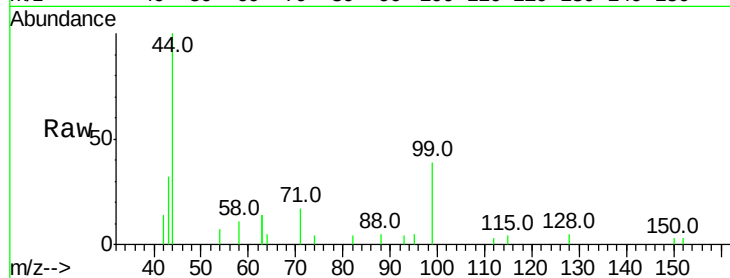
Tot Ion: 99 Resp: 1070

Ion Ratio Lower Upper

99 100

42 31.9 20.2 30.2#

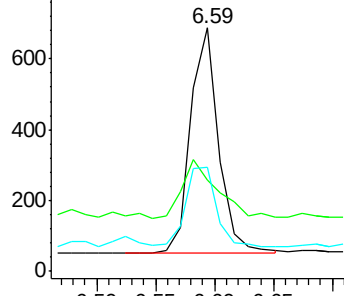
71 38.7 28.4 42.6



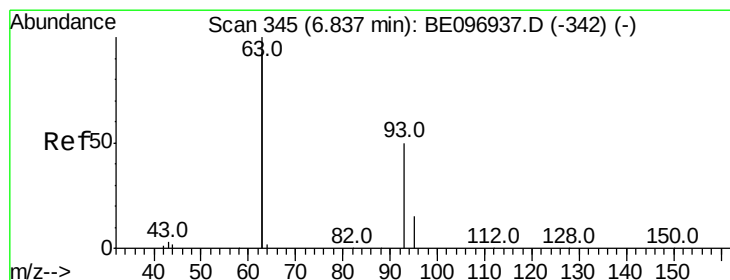
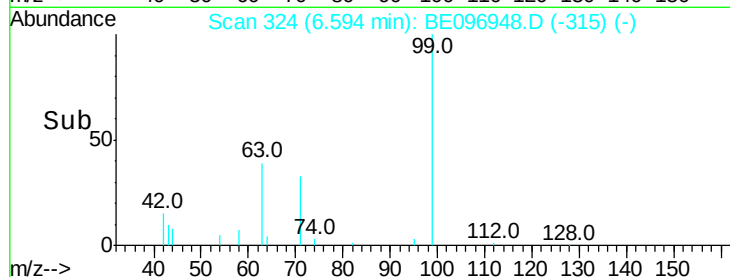
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.002 ng

RT: 6.85 min Scan# 346

Delta R.T. 0.01 min

Lab File: BE096948.D

Acq: 16 Jul 2018 21:27

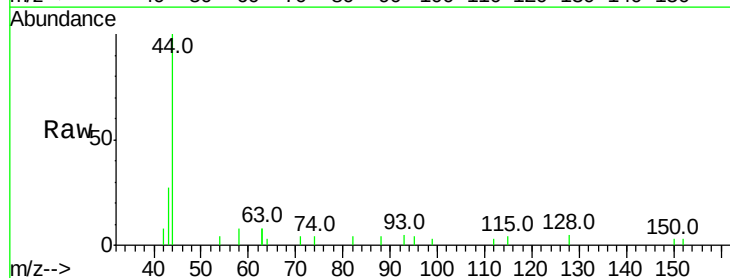
Tgt Ion: 93 Resp: 20

Ion Ratio Lower Upper

93 100

63 195.0 275.3 412.9#

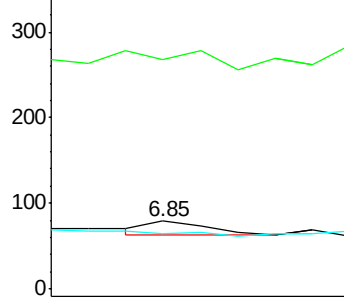
95 0.0 25.2 37.8#



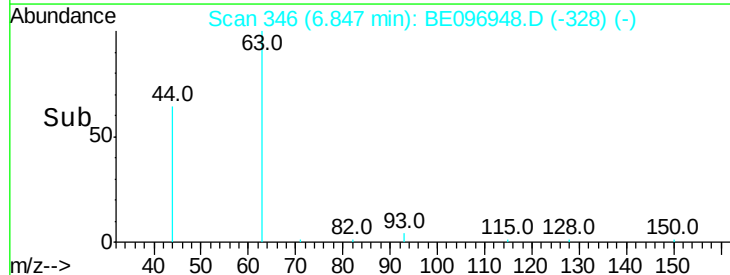
Abundance Ion 93.00 (92.70 to 93.70): BE0

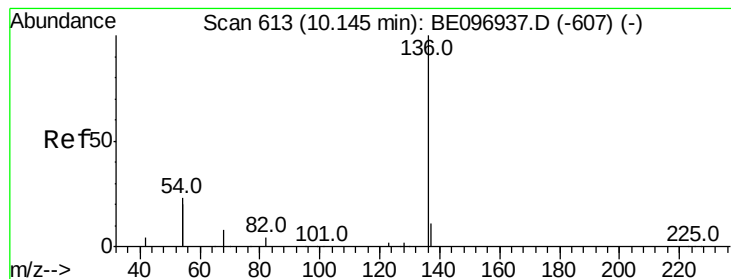
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 614

Delta R.T. 0.00 min

Lab File: BE096948.D

Acq: 16 Jul 2018 21:27

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 13235

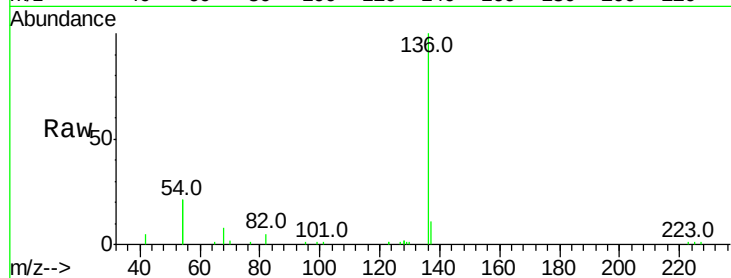
Ion Ratio Lower Upper

136 100

137 11.0 9.5 14.3

54 41.1 29.1 43.7

68 7.9 6.2 9.2

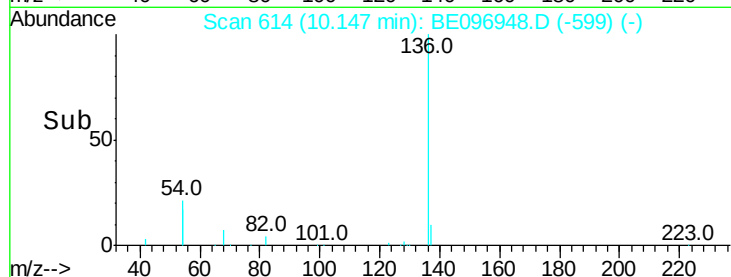


Abundance Ion 136.00 (135.70 to 136.70): E

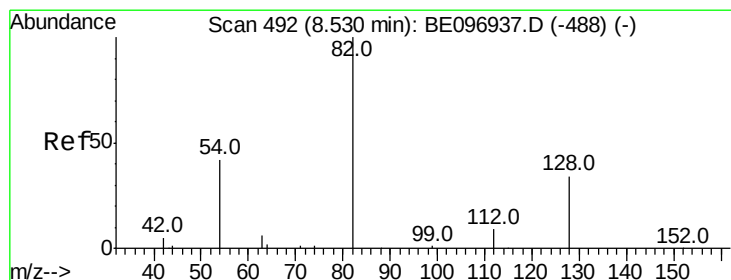
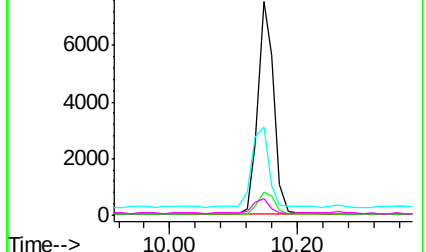
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time-->



#8

Nitrobenzene-d5

Concen: 0.452 ng

RT: 8.53 min Scan# 492

Delta R.T. -0.00 min

Lab File: BE096948.D

Acq: 16 Jul 2018 21:27

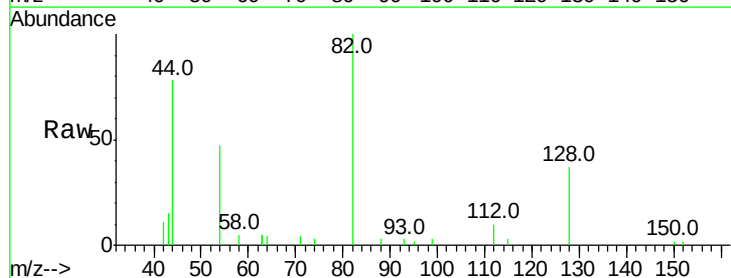
Tgt Ion: 82 Resp: 4366

Ion Ratio Lower Upper

82 100

128 36.6 24.0 36.0#

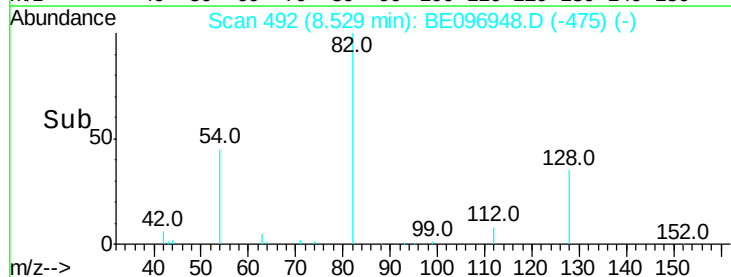
54 47.4 40.0 60.0



Abundance Ion 82.00 (81.70 to 82.70): BE0

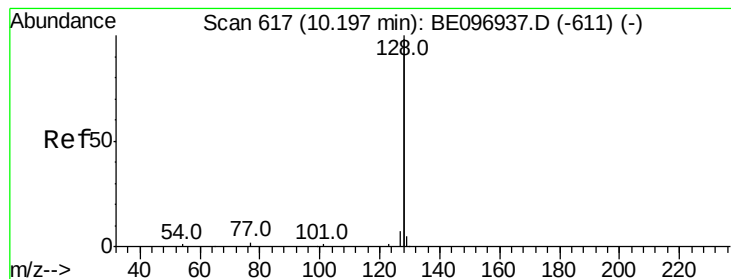
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



Time-->





#9

Naphthalene

Concen: 0.006 ng

RT: 10.20 min Scan# 618

Delta R.T. 0.00 min

Lab File: BE096948.D

Acq: 16 Jul 2018 21:27

Instrument :

BNA_E

ClientSampleId :

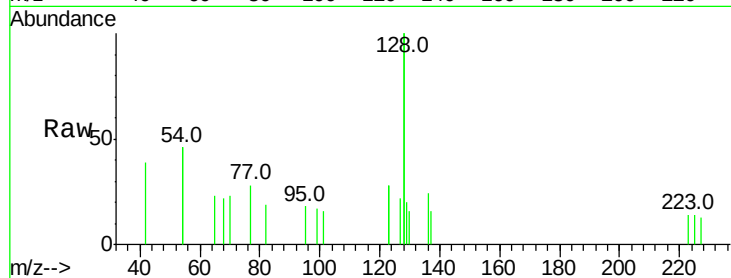
Tot Ion:128 Resp: 742

Ion Ratio Lower Upper

128 100

129 9.8 2.6 3.8#

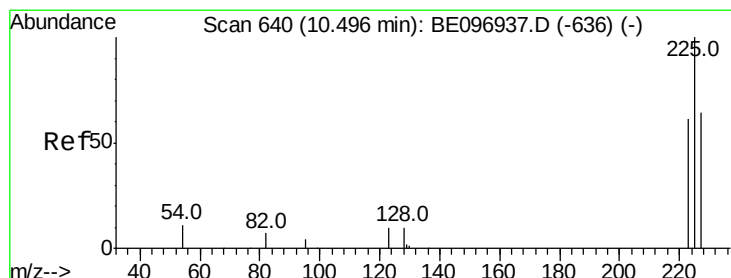
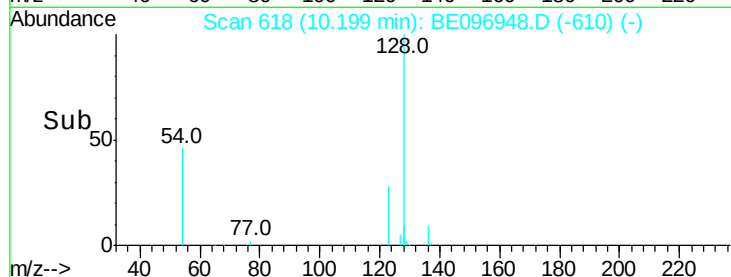
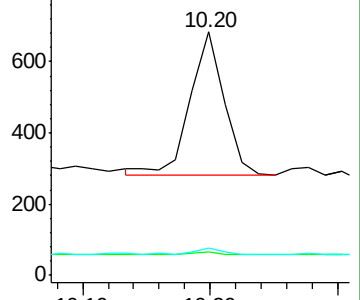
127 11.1 2.8 4.2#



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: 0.003 ng

RT: 10.50 min Scan# 641

Delta R.T. 0.00 min

Lab File: BE096948.D

Acq: 16 Jul 2018 21:27

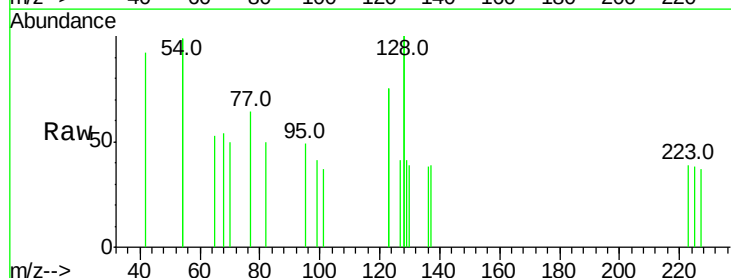
Tgt Ion:225 Resp: 16

Ion Ratio Lower Upper

225 100

223 75.0 53.0 79.6

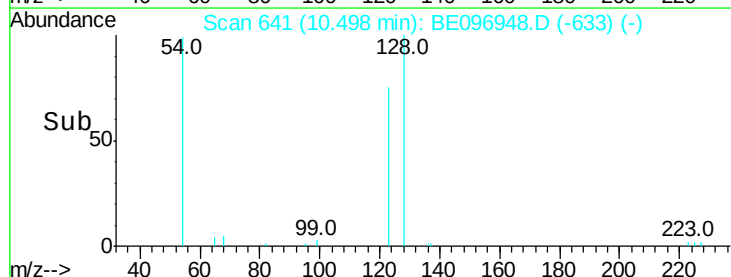
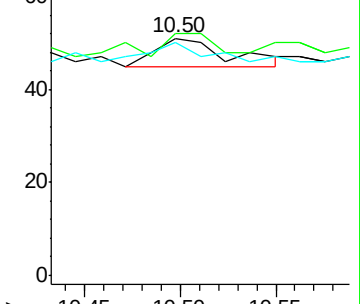
227 50.0 51.4 77.2#

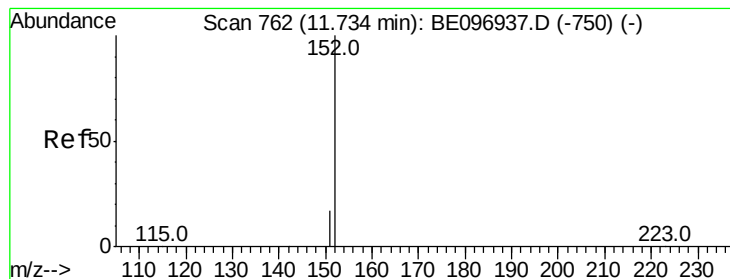


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.428 ng

RT: 11.73 min Scan# 763

Delta R.T. 0.00 min

Lab File: BE096948.D

Acq: 16 Jul 2018 21:27

Instrument :

BNA_E

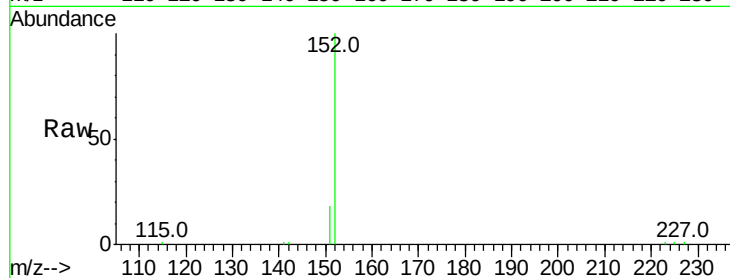
ClientSampleId :

Tot Ion:152 Resp: 8255

Ion Ratio Lower Upper

152 100

151 19.2 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

6000

5000

4000

3000

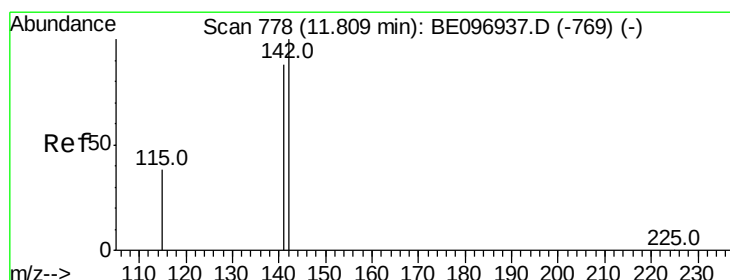
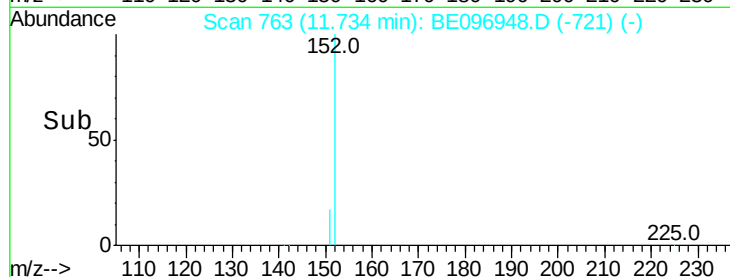
2000

1000

0

Time-->

11.70 11.80



#12

2-Methylnaphthalene

Concen: 0.005 ng

RT: 11.81 min Scan# 780

Delta R.T. 0.00 min

Lab File: BE096948.D

Acq: 16 Jul 2018 21:27

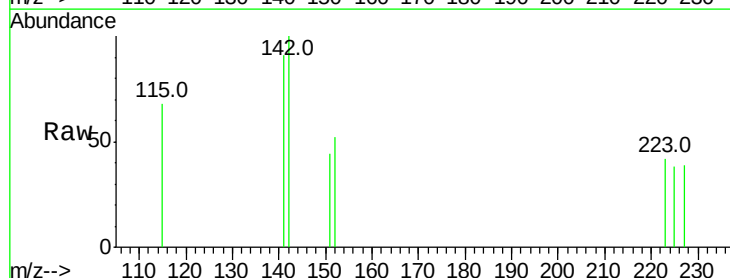
Tgt Ion:142 Resp: 105

Ion Ratio Lower Upper

142 100

141 90.7 70.4 105.6

115 67.8 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

150

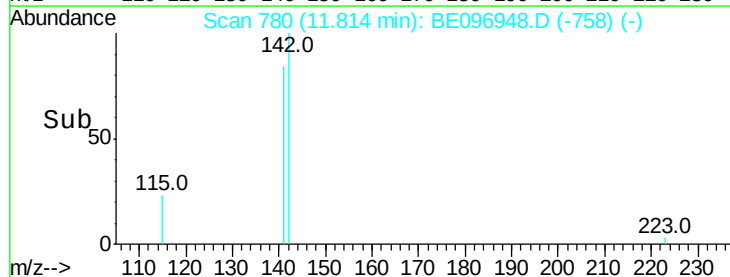
100

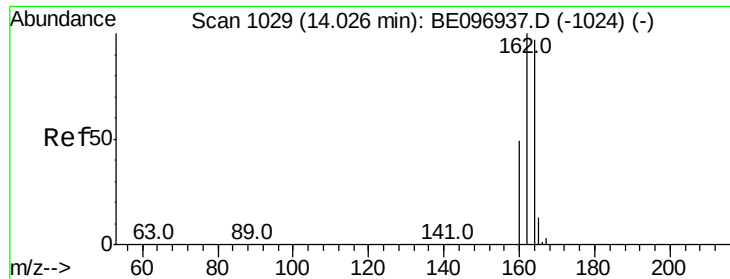
50

0

Time-->

11.75 11.80 11.85

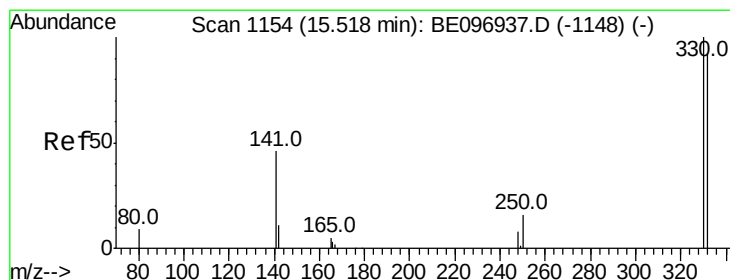
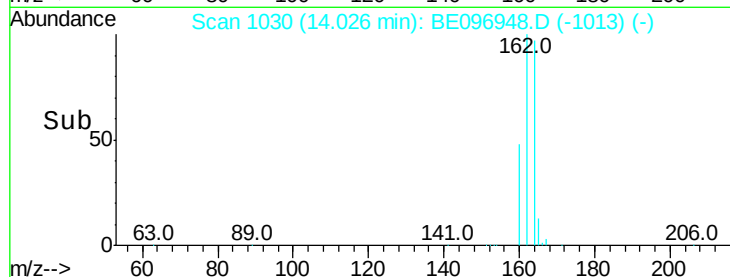
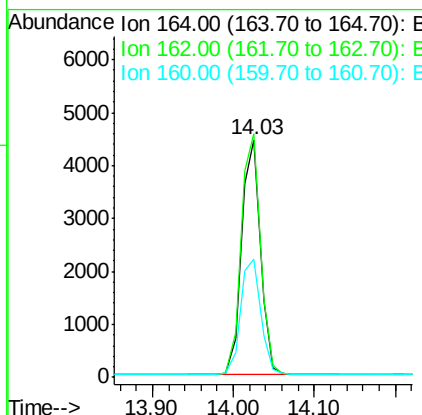
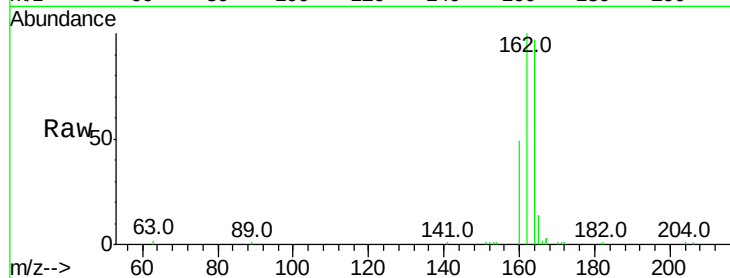




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.03 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: BE096948.D
 Acq: 16 Jul 2018 21:27

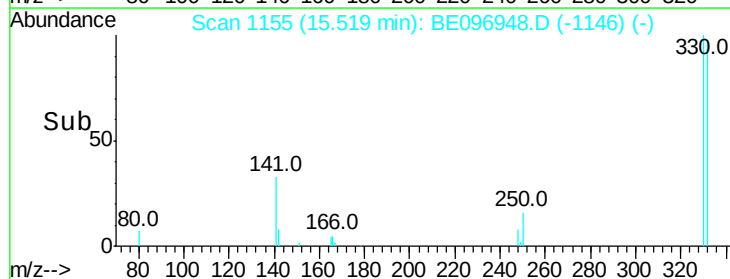
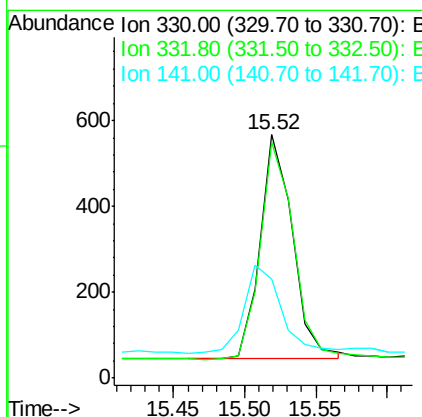
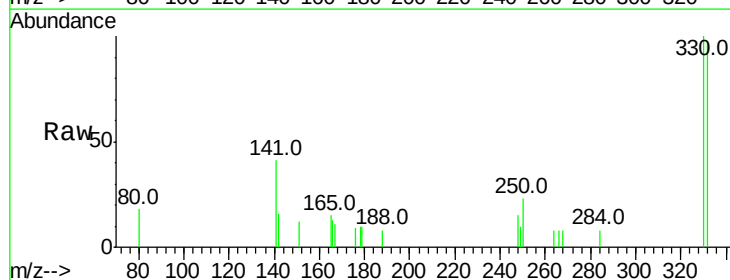
Instrument :
 BNA_E
 ClientSampleId :

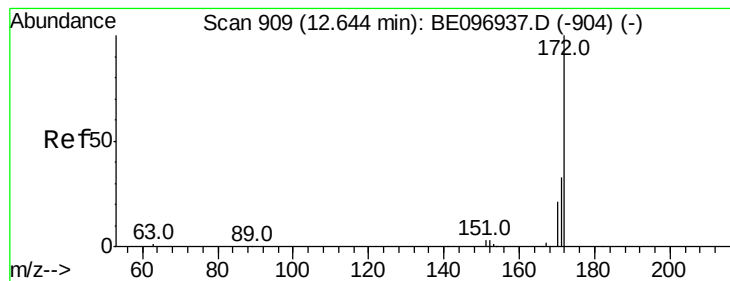
Tot Ion:164 Resp: 7160
 Ion Ratio Lower Upper
 164 100
 162 102.6 83.1 124.7
 160 49.8 37.1 55.7



#14
 2,4,6-Tribromophenol
 Concen: 0.506 ng
 RT: 15.52 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: BE096948.D
 Acq: 16 Jul 2018 21:27

Tgt Ion:330 Resp: 826
 Ion Ratio Lower Upper
 330 100
 332 99.2 152.7 229.1#
 141 44.6 33.7 50.5

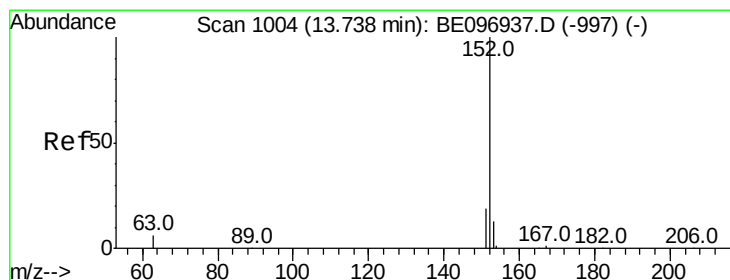
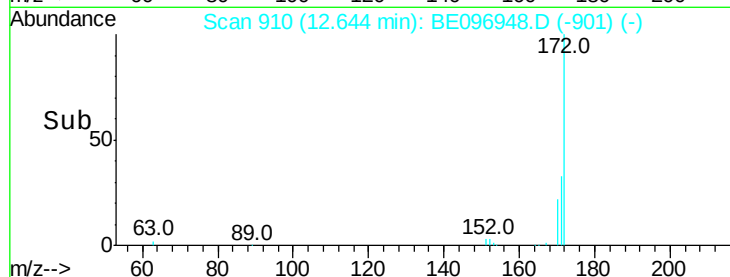
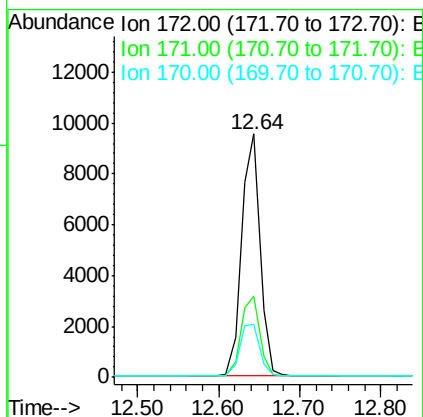
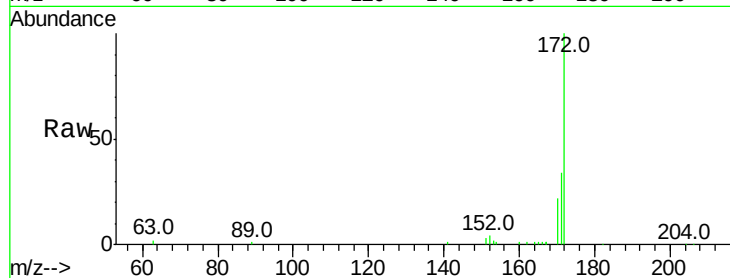




#15
2-Fluorobiphenyl
Concen: 0.562 ng
RT: 12.64 min Scan# 910
Delta R.T. -0.00 min
Lab File: BE096948.D
Acq: 16 Jul 2018 21:27

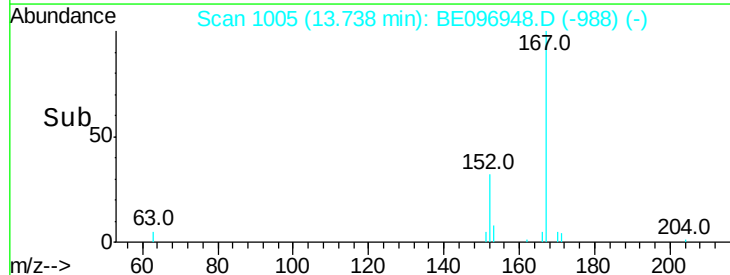
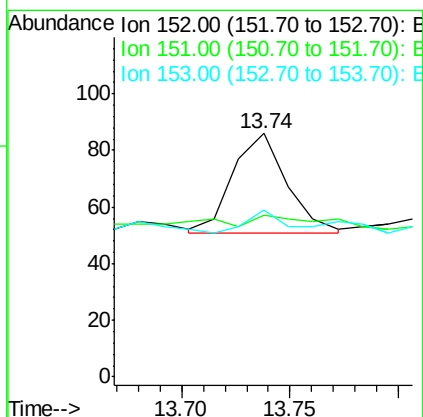
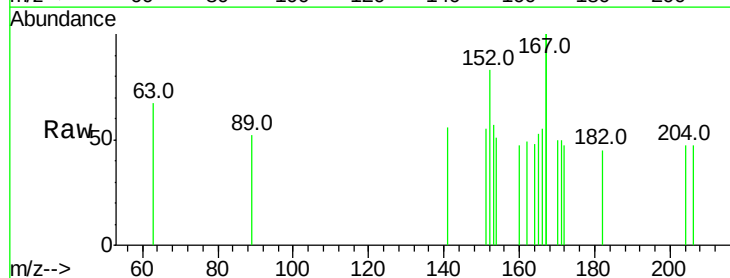
Instrument :
BNA_E
ClientSampleId :

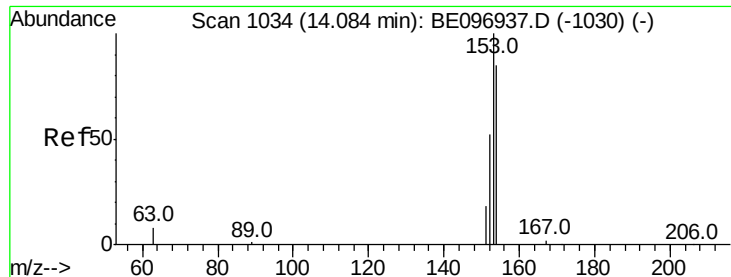
Tot Ion:172 Resp: 14978
Ion Ratio Lower Upper
172 100
171 33.5 29.9 44.9
170 22.0 21.8 32.8



#16
Acenaphthylene
Concen: 0.002 ng
RT: 13.74 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BE096948.D
Acq: 16 Jul 2018 21:27

Tgt Ion:152 Resp: 61
Ion Ratio Lower Upper
152 100
151 32.8 15.7 23.5#
153 16.4 10.5 15.7#





#17

Acenaphthene

Concen: 0.003 ng

RT: 14.08 min Scan# 1035

Delta R.T. -0.00 min

Lab File: BE096948.D

Acq: 16 Jul 2018 21:27

Instrument :

BNA_E

ClientSampleId :

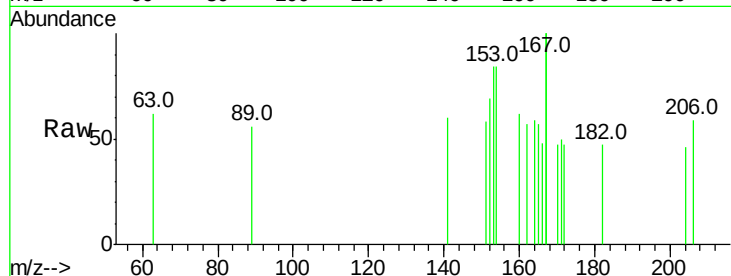
Tot Ion:154 Resp: 55

Ion Ratio Lower Upper

154 100

153 143.6 89.2 133.8#

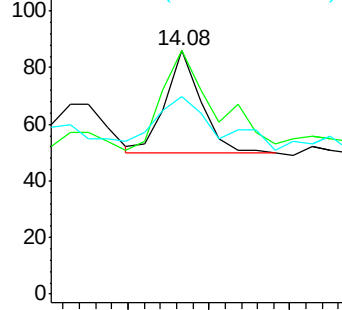
152 87.3 42.0 63.0#



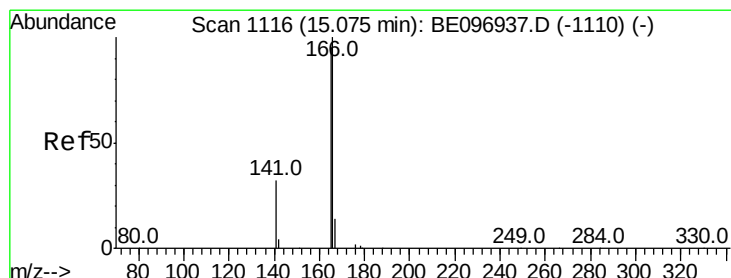
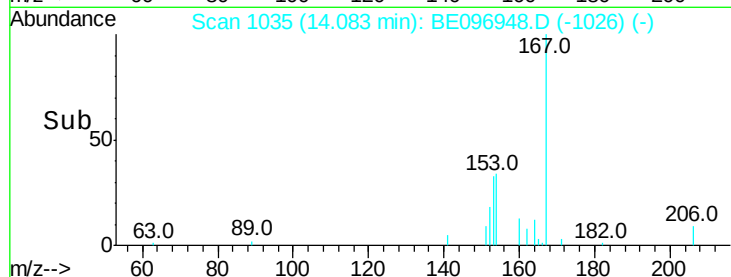
Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



Time-->



#18

Fluorene

Concen: 0.004 ng

RT: 15.08 min Scan# 1117

Delta R.T. 0.00 min

Lab File: BE096948.D

Acq: 16 Jul 2018 21:27

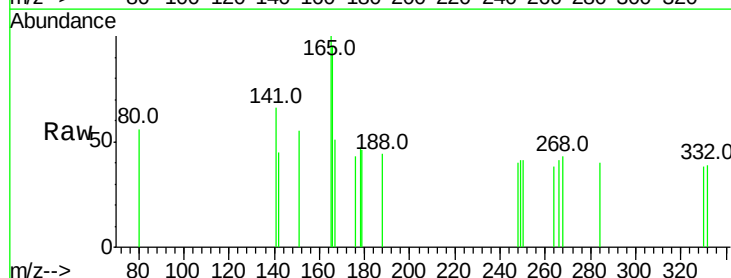
Tgt Ion:166 Resp: 85

Ion Ratio Lower Upper

166 100

165 110.6 77.8 116.6

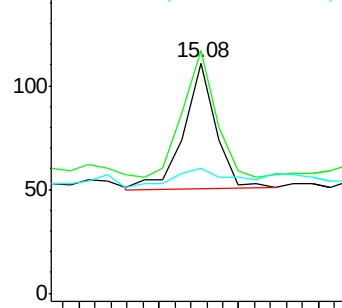
167 28.2 42.4 63.6#



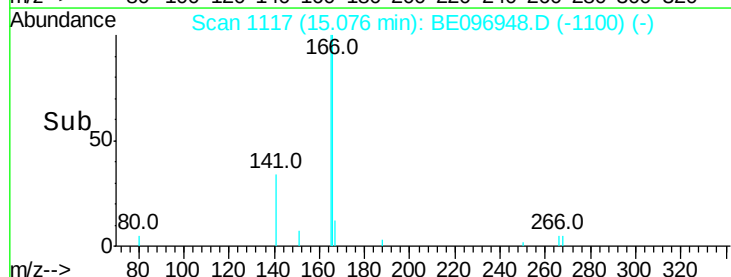
Abundance Ion 166.00 (165.70 to 166.70): E

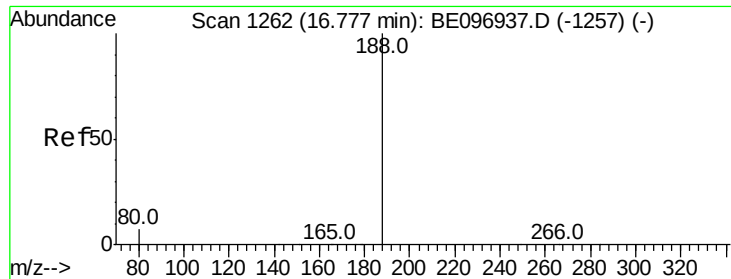
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.77 min Scan# 1262

Delta R.T. -0.01 min

Lab File: BE096948.D

Acq: 16 Jul 2018 21:27

Instrument :

BNA_E

ClientSampleId :

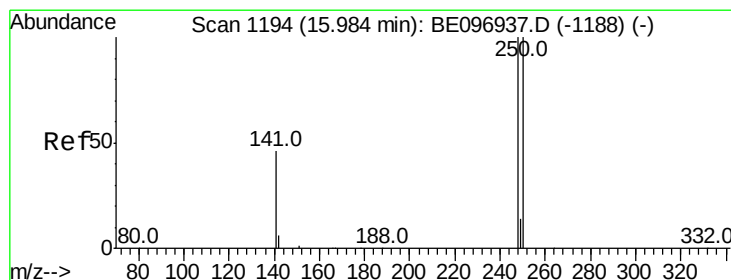
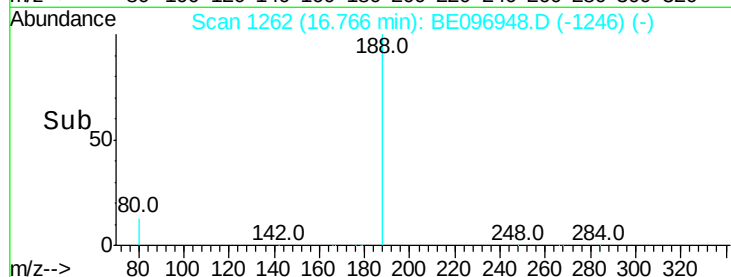
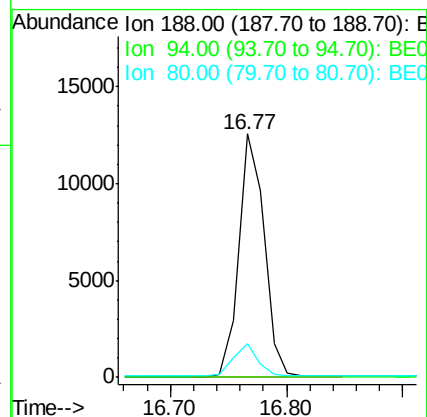
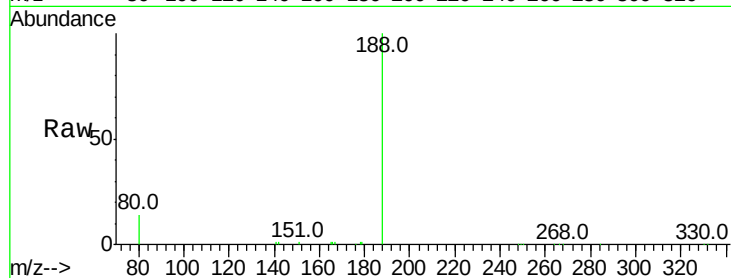
Tot Ion:188 Resp: 19011

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 13.8 3.6 5.4#



#20

4-Bromophenyl-phenylether

Concen: 0.002 ng

RT: 15.99 min Scan# 1195

Delta R.T. 0.00 min

Lab File: BE096948.D

Acq: 16 Jul 2018 21:27

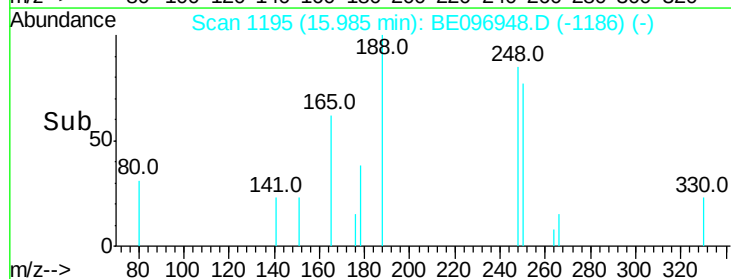
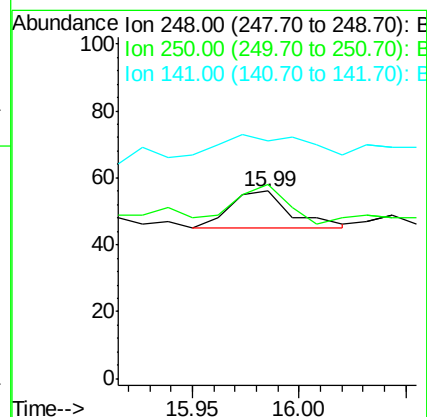
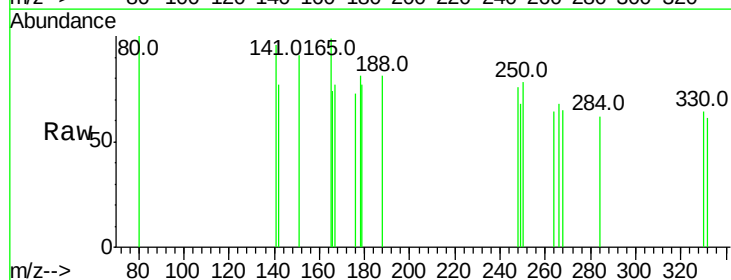
Tgt Ion:248 Resp: 22

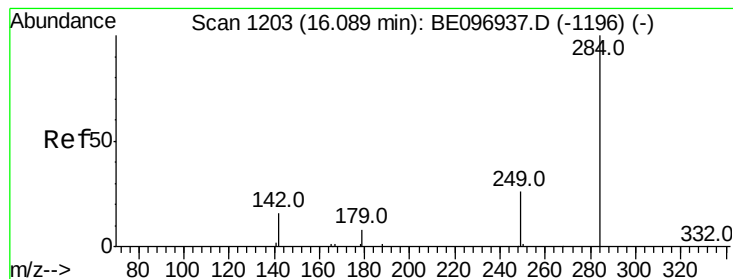
Ion Ratio Lower Upper

248 100

250 103.6 62.7 94.1#

141 126.8 48.2 72.2#





#21

Hexachlorobenzene

Concen: 0.003 ng

RT: 16.09 min Scan# 1204

Delta R.T. 0.00 min

Lab File: BE096948.D

Acq: 16 Jul 2018 21:27

Instrument :

BNA_E

ClientSampleId :

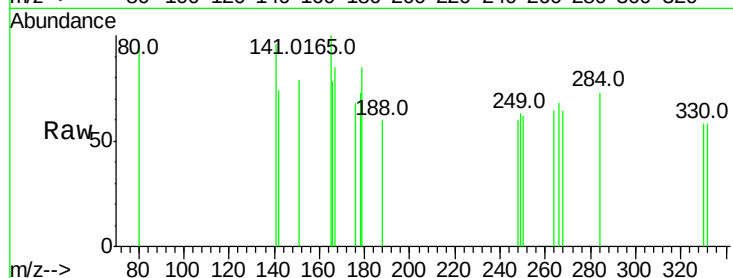
Tot Ion:284 Resp: 26

Ion Ratio Lower Upper

284 100

142 0.0 22.1 33.1#

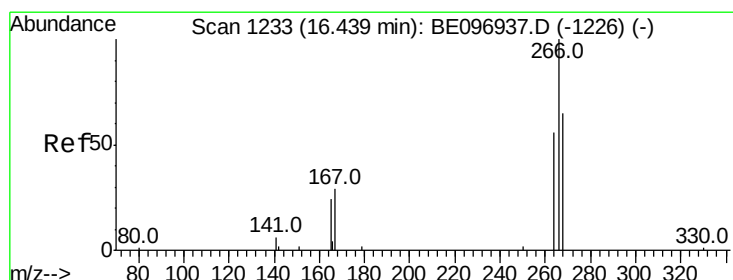
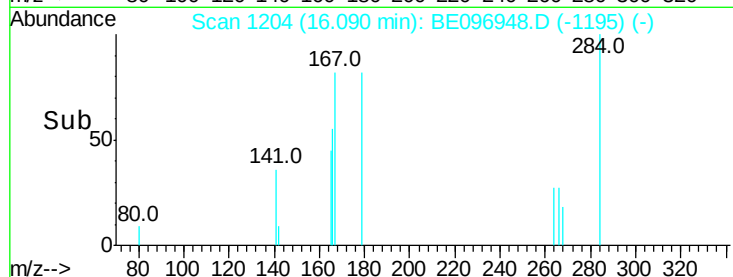
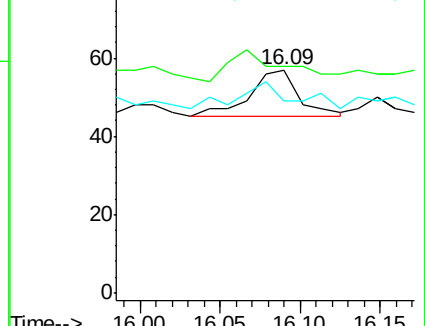
249 50.0 34.8 52.2



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: Below Cal

RT: 16.45 min Scan# 1235

Delta R.T. 0.01 min

Lab File: BE096948.D

Acq: 16 Jul 2018 21:27

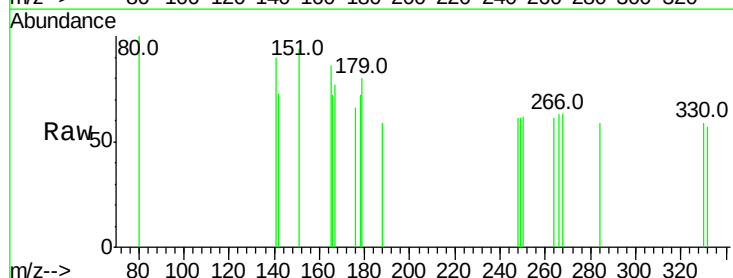
Tgt Ion:266 Resp: 14

Ion Ratio Lower Upper

266 100

264 96.0 72.5 108.7

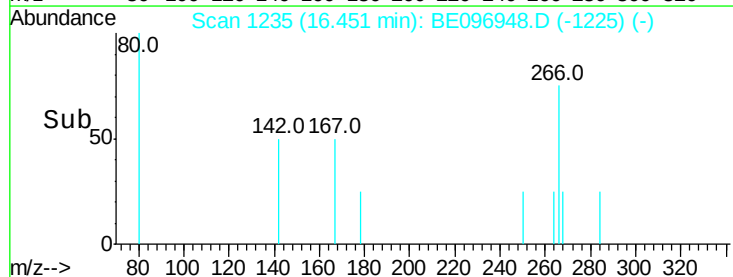
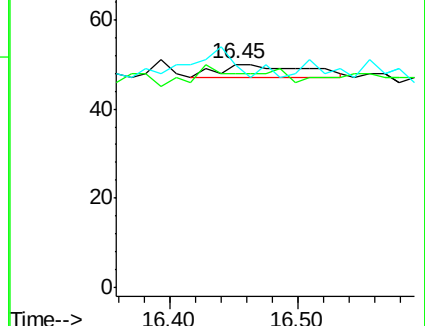
268 100.0 73.8 110.6

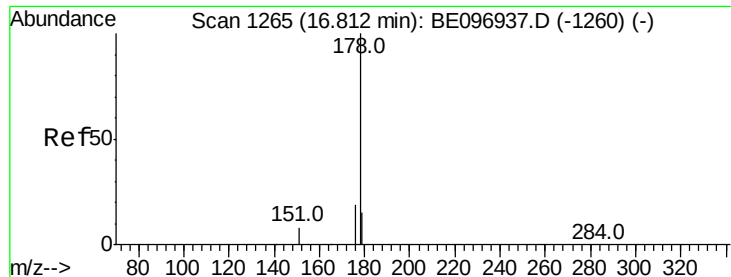


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.008 ng

RT: 16.81 min Scan# 1266

Delta R.T. 0.00 min

Lab File: BE096948.D

Acq: 16 Jul 2018 21:27

Instrument :

BNA_E

ClientSampleId :

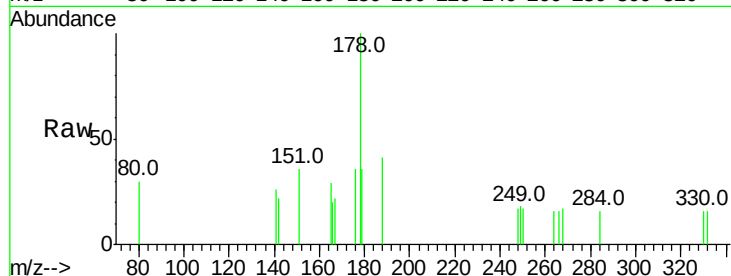
Tot Ion:178 Resp: 364

Ion Ratio Lower Upper

178 100

176 25.3 15.1 22.7#

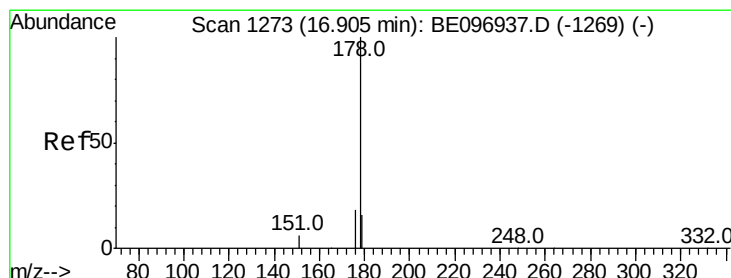
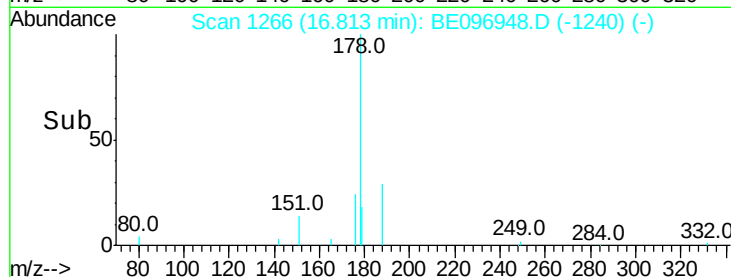
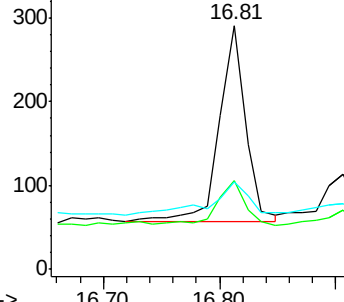
179 26.1 11.8 17.6#



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: 0.002 ng

RT: 16.91 min Scan# 1274

Delta R.T. 0.00 min

Lab File: BE096948.D

Acq: 16 Jul 2018 21:27

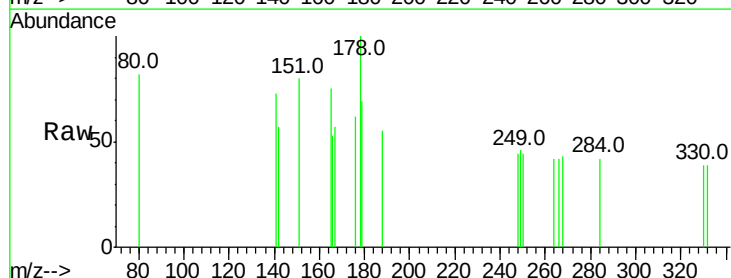
Tgt Ion:178 Resp: 94

Ion Ratio Lower Upper

178 100

176 48.9 12.8 19.2#

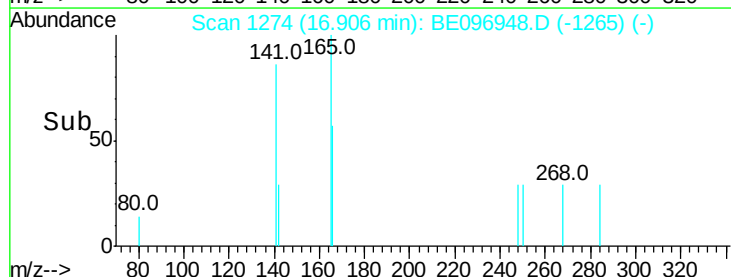
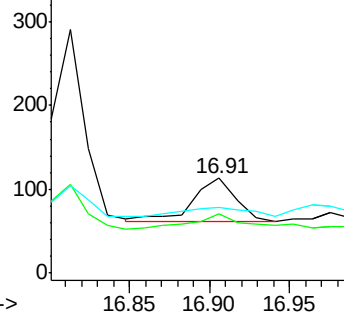
179 35.1 13.0 19.6#

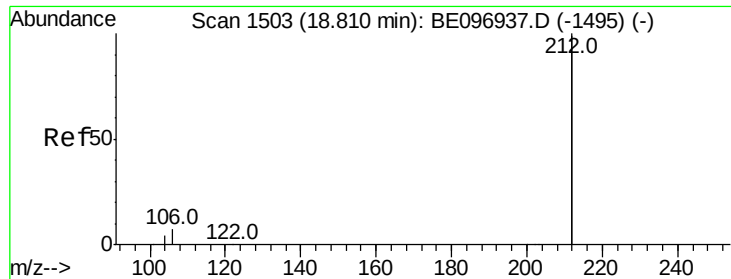


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.510 ng

RT: 18.81 min Scan# 1504

Delta R.T. 0.00 min

Lab File: BE096948.D

Acq: 16 Jul 2018 21:27

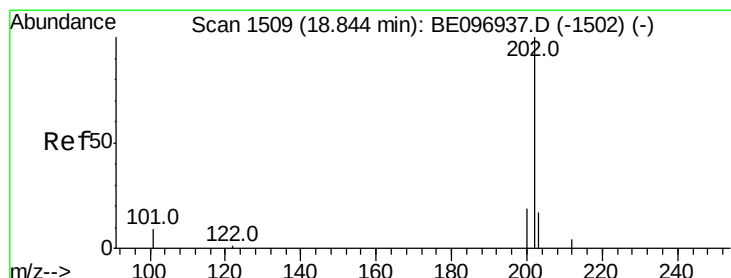
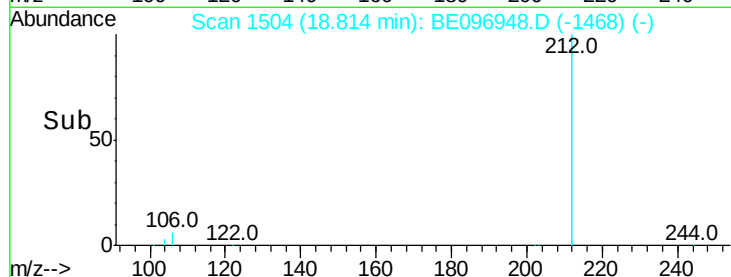
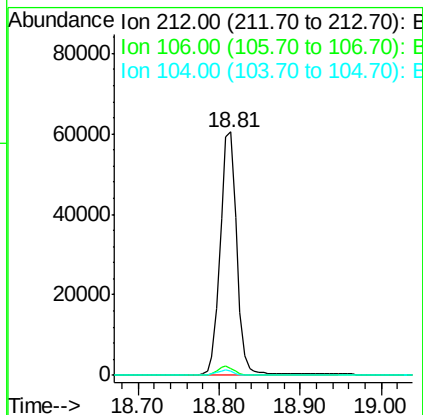
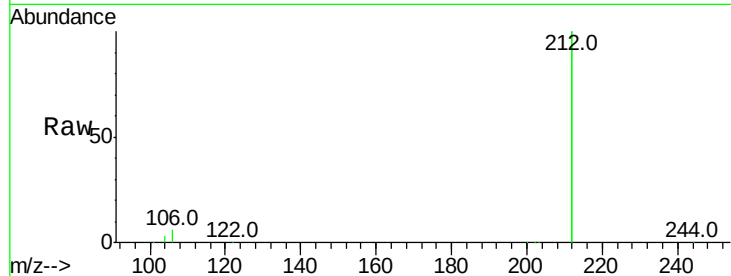
Instrument :

BNA_E

ClientSampleId :

Tot Ion:212 Resp: 84377

Ion	Ratio	Lower	Upper
212	100		
106	3.6	2.8	4.2
104	1.9	1.6	2.4



#26

Fluoranthene

Concen: 0.004 ng

RT: 18.84 min Scan# 1509

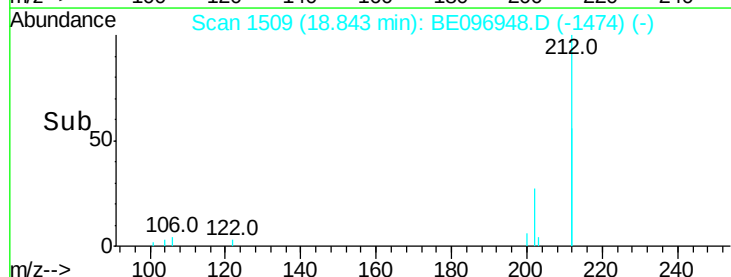
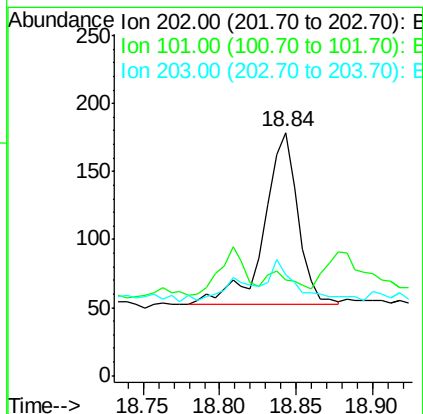
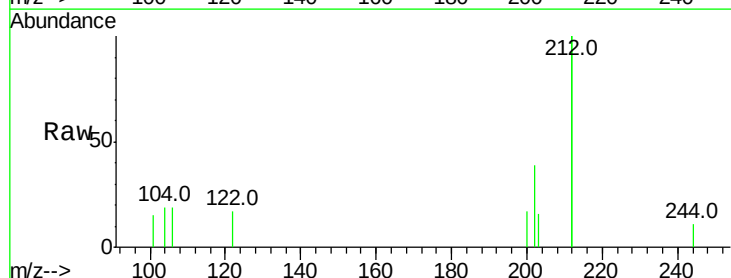
Delta R.T. -0.00 min

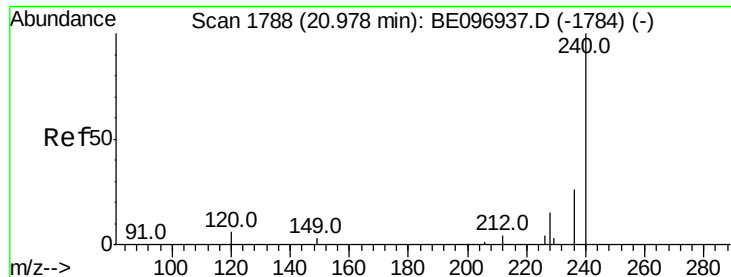
Lab File: BE096948.D

Acq: 16 Jul 2018 21:27

Tgt Ion:202 Resp: 197

Ion	Ratio	Lower	Upper
202	100		
101	9.1	9.8	14.8#
203	18.3	13.7	20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.98 min Scan# 1788

Delta R.T. 0.00 min

Lab File: BE096948.D

Acq: 16 Jul 2018 21:27

Instrument :

BNA_E

ClientSampleId :

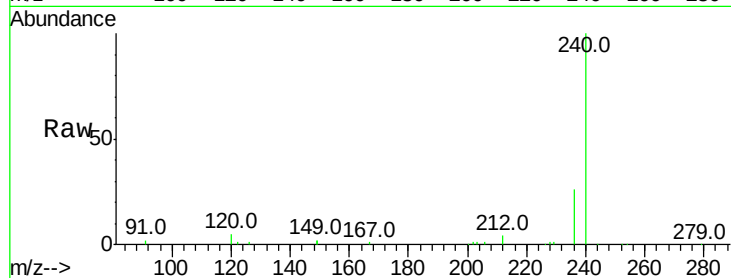
Tot Ion:240 Resp: 16908

Ion Ratio Lower Upper

240 100

120 5.4 5.5 8.3#

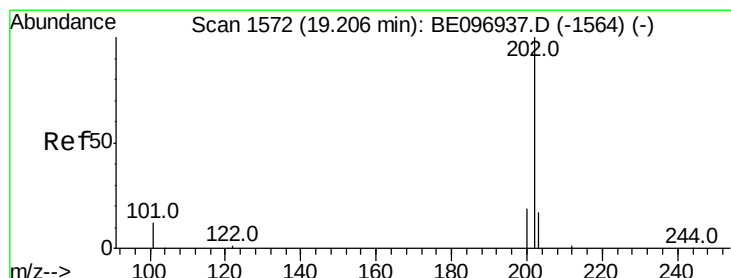
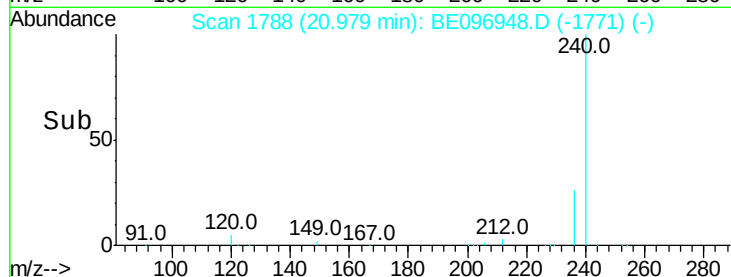
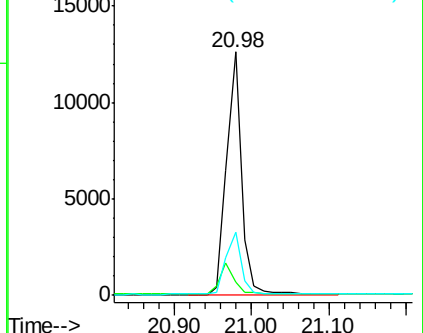
236 26.2 20.7 31.1



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: 0.004 ng

RT: 19.21 min Scan# 1573

Delta R.T. 0.00 min

Lab File: BE096948.D

Acq: 16 Jul 2018 21:27

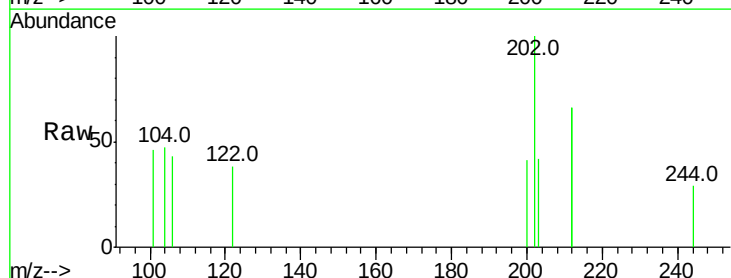
Tgt Ion:202 Resp: 180

Ion Ratio Lower Upper

202 100

200 21.1 16.6 25.0

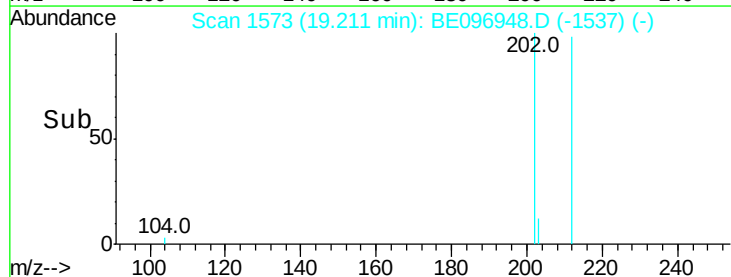
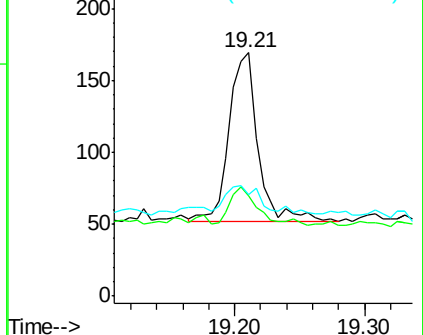
203 17.2 13.8 20.8

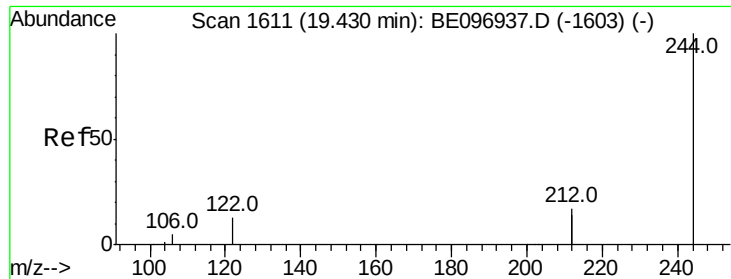


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.675 ng

RT: 19.43 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BE096948.D

Acq: 16 Jul 2018 21:27

Instrument :

BNA_E

ClientSampleId :

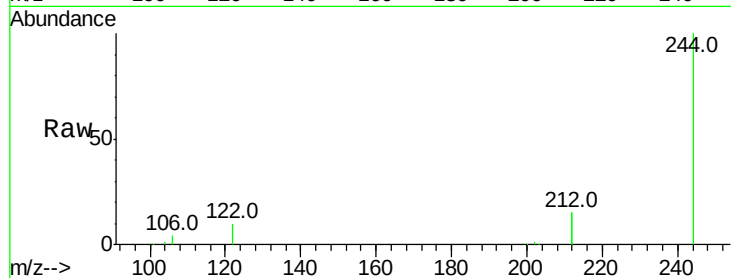
Tot Ion:244 Resp: 22008

Ion Ratio Lower Upper

244 100

212 29.8 25.4 38.0

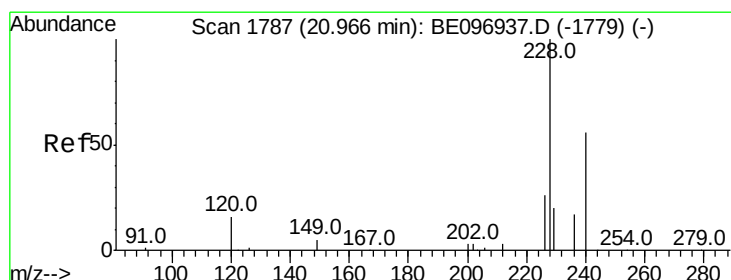
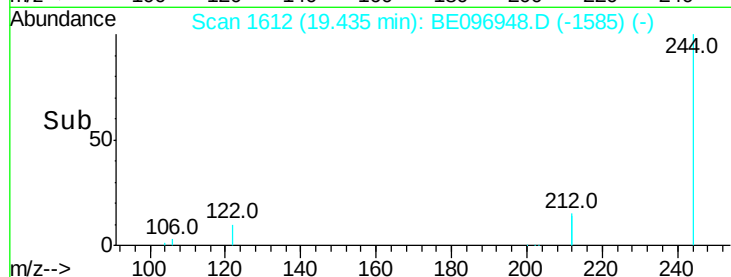
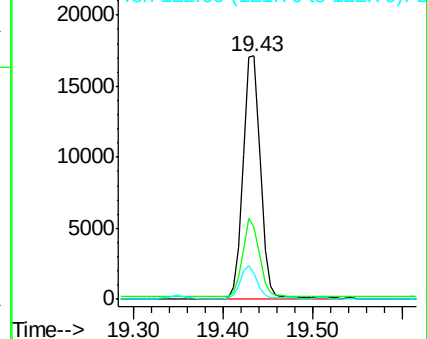
122 10.5 8.1 12.1



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: 0.004 ng

RT: 20.97 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BE096948.D

Acq: 16 Jul 2018 21:27

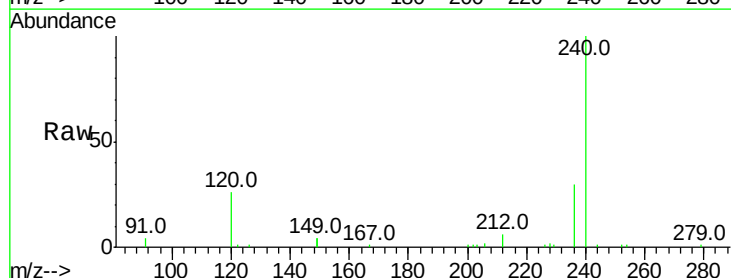
Tgt Ion:228 Resp: 176

Ion Ratio Lower Upper

228 100

226 53.0 24.0 36.0#

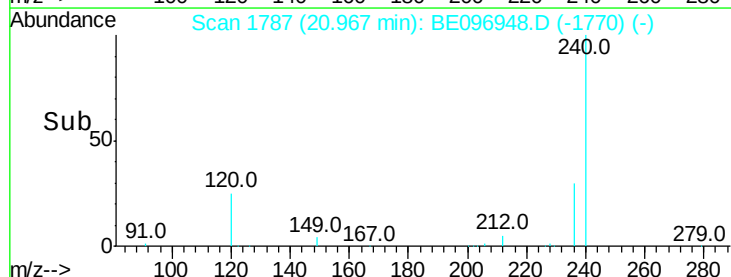
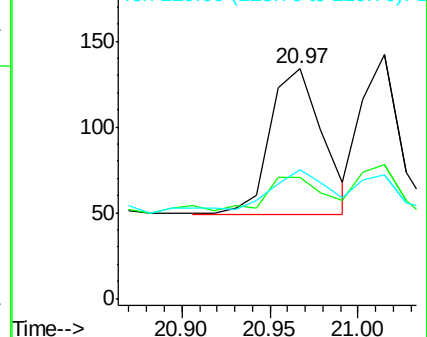
229 56.0 16.0 24.0#

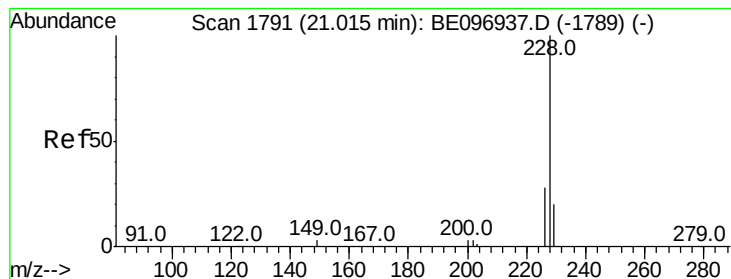


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.003 ng

RT: 21.02 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BE096948.D

Acq: 16 Jul 2018 21:27

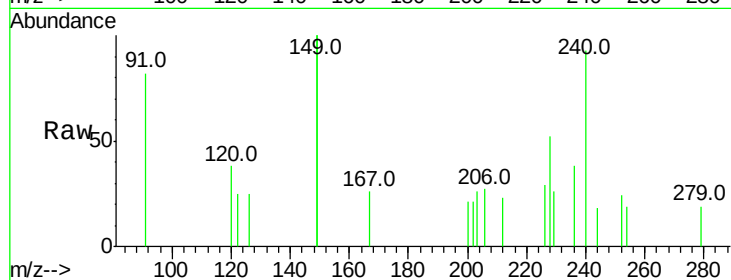
Instrument :

BNA_E

ClientSampled :

Tot Ion:228 Resp: 139

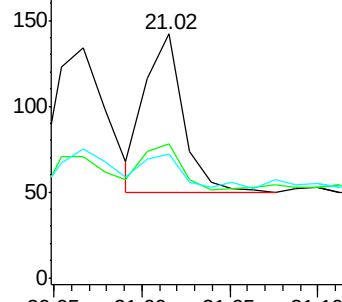
Ion	Ratio	Lower	Upper
228	100		
226	54.9	24.0	36.0#
229	50.7	16.0	24.0#



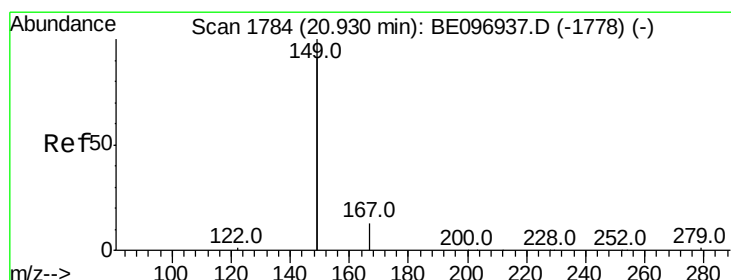
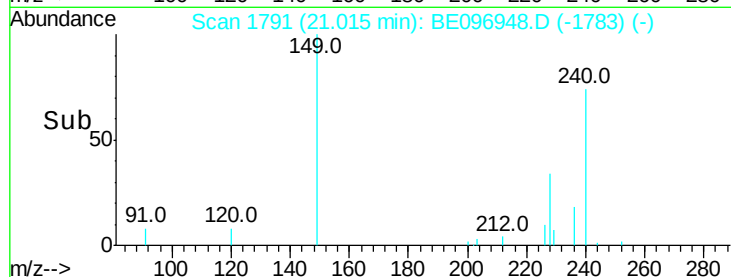
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time--> 20.95 21.00 21.05 21.10



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.091 ng

RT: 20.93 min Scan# 1784

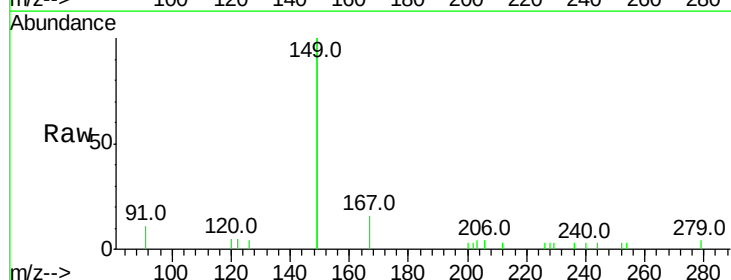
Delta R.T. 0.00 min

Lab File: BE096948.D

Acq: 16 Jul 2018 21:27

Tgt Ion:149 Resp: 3655

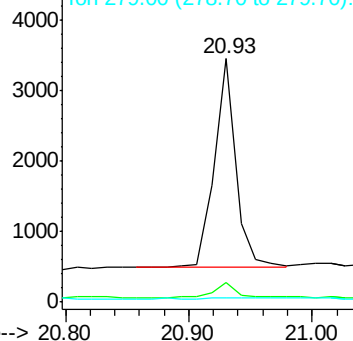
Ion	Ratio	Lower	Upper
149	100		
167	7.3	5.4	8.0
279	1.1	0.7	1.1#



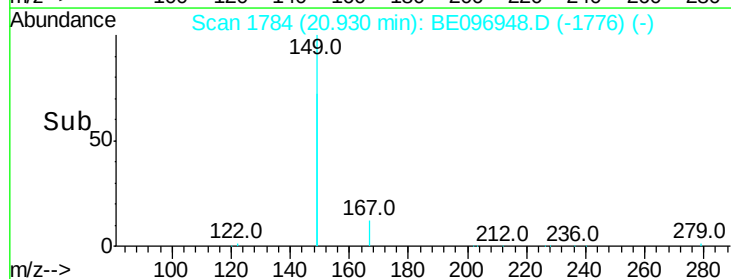
Abundance Ion 149.00 (148.70 to 149.70): E

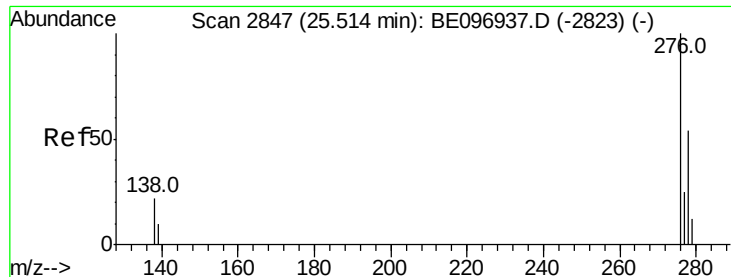
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time--> 20.80 20.90 21.00





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.002 ng

RT: 25.50 min Scan# 2843

Delta R.T. -0.01 min

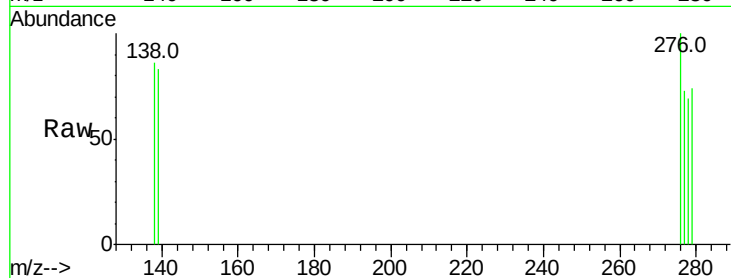
Lab File: BE096948.D

Acq: 16 Jul 2018 21:27

Instrument :

BNA_E

ClientSampleId :



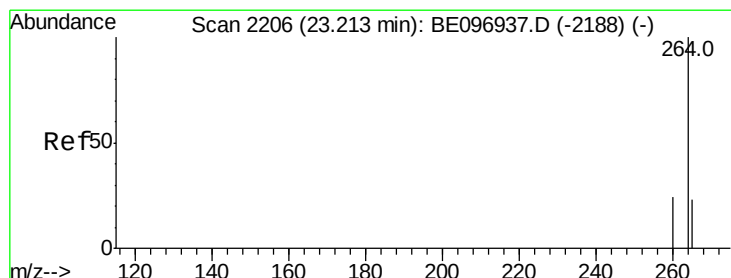
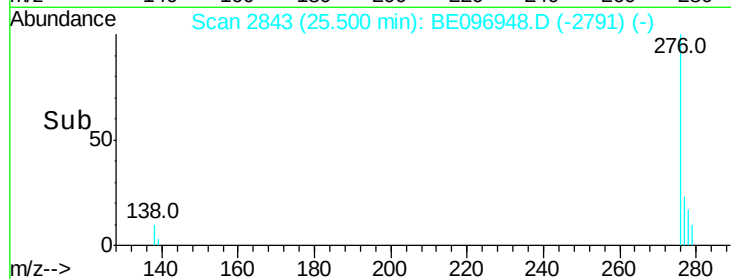
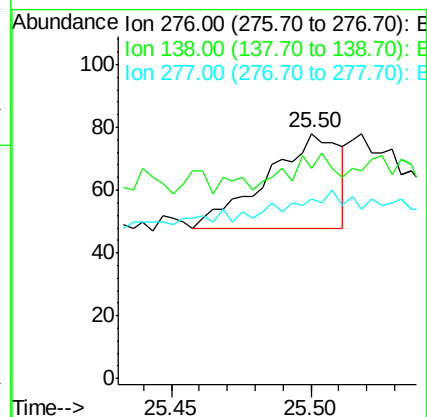
Tot Ion:276 Resp: 54

Ion Ratio Lower Upper

276 100

138 22.2 22.5 33.7#

277 11.1 19.9 29.9#



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.21 min Scan# 2206

Delta R.T. 0.00 min

Lab File: BE096948.D

Acq: 16 Jul 2018 21:27

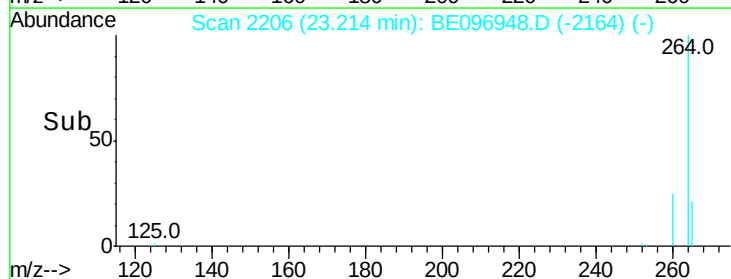
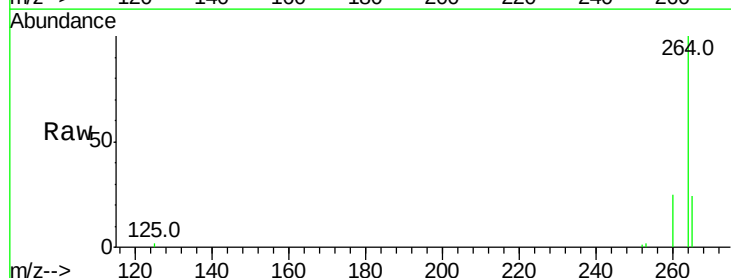
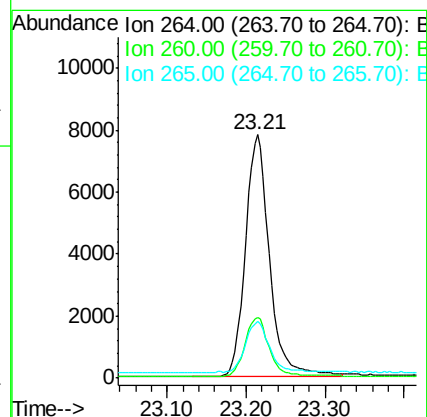
Tgt Ion:264 Resp: 16506

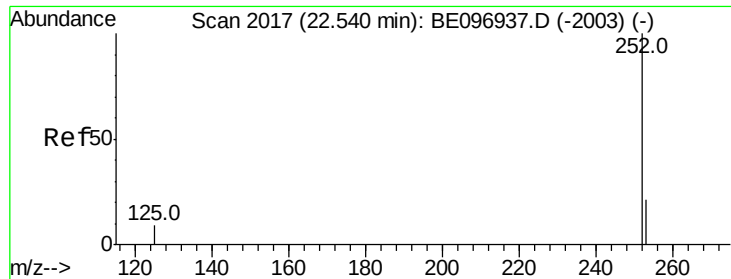
Ion Ratio Lower Upper

264 100

260 25.1 20.5 30.7

265 23.5 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.004 ng

RT: 22.53 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BE096948.D

Acq: 16 Jul 2018 21:27

Instrument :

BNA_E

ClientSampled :

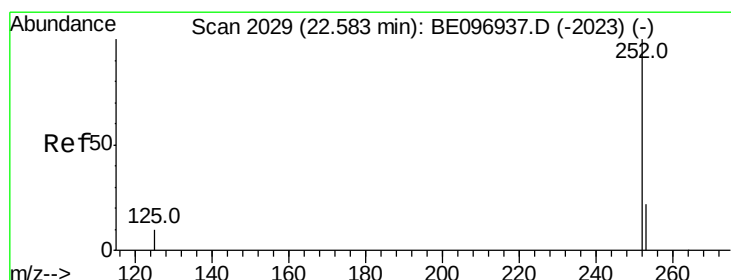
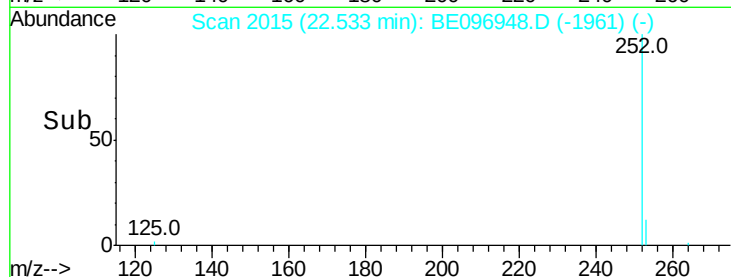
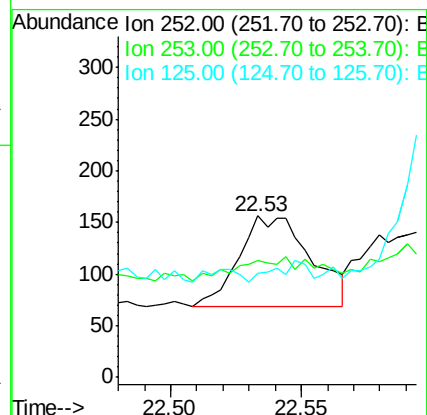
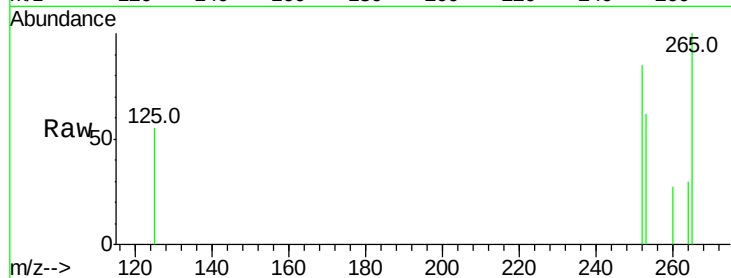
Tot Ion:252 Resp: 166

Ion Ratio Lower Upper

252 100

253 72.4 20.0 30.0#

125 64.7 16.0 24.0#



#36

Benzo(k)fluoranthene

Concen: 0.003 ng

RT: 22.59 min Scan# 2032

Delta R.T. 0.01 min

Lab File: BE096948.D

Acq: 16 Jul 2018 21:27

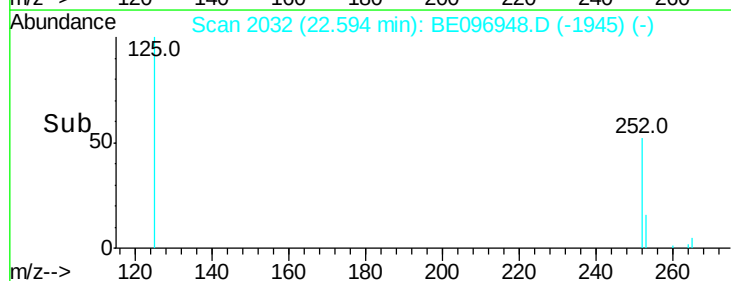
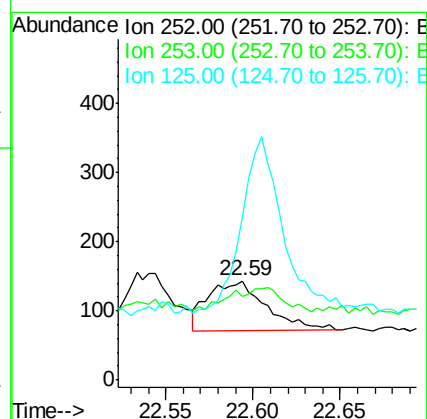
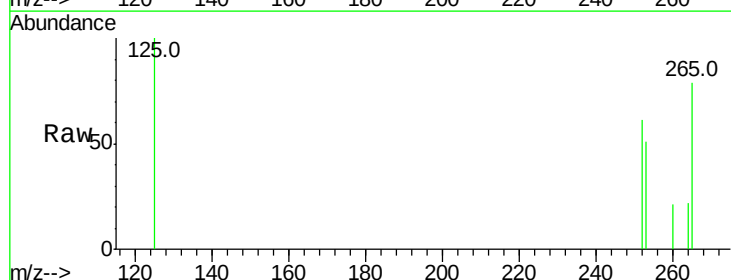
Tgt Ion:252 Resp: 169

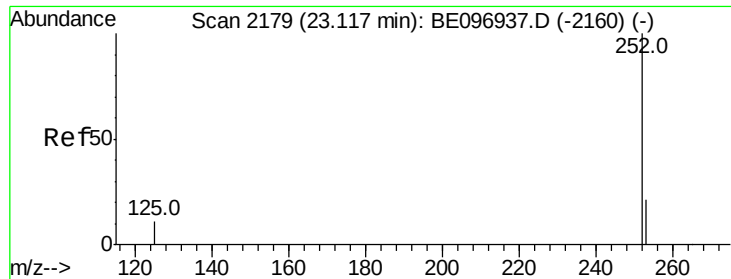
Ion Ratio Lower Upper

252 100

253 84.6 16.0 24.0#

125 165.0 8.0 12.0#





#37

Benzo(a)pyrene

Concen: 0.103 ng

RT: 23.11 min Scan# 2178

Delta R.T. -0.00 min

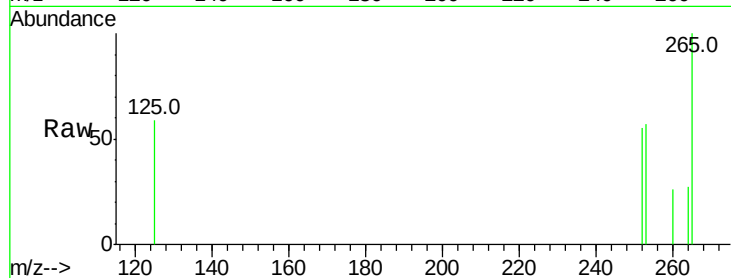
Lab File: BE096948.D

Acq: 16 Jul 2018 21:27

Instrument :

BNA_E

ClientSampleId :



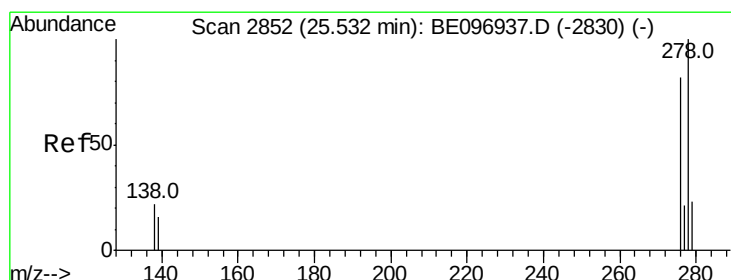
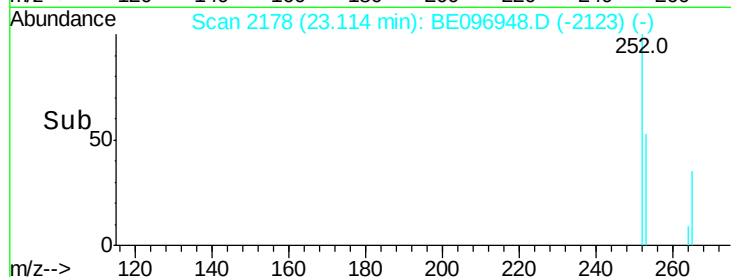
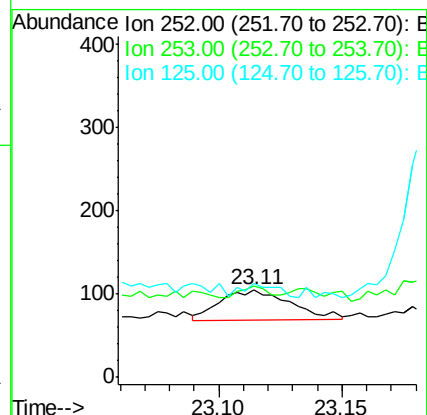
Tot Ion:252 Resp: 72

Ion Ratio Lower Upper

252 100

253 104.8 16.0 24.0#

125 107.6 12.0 18.0#



#38

Dibenzo(a,h)anthracene

Concen: 0.119 ng

RT: 25.54 min Scan# 2853

Delta R.T. 0.00 min

Lab File: BE096948.D

Acq: 16 Jul 2018 21:27

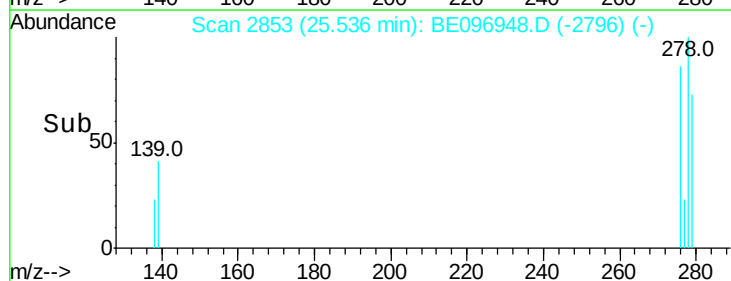
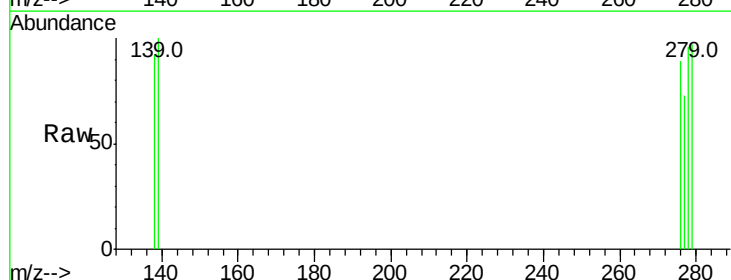
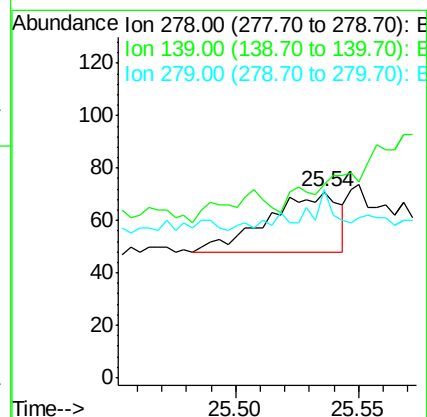
Tgt Ion:278 Resp: 46

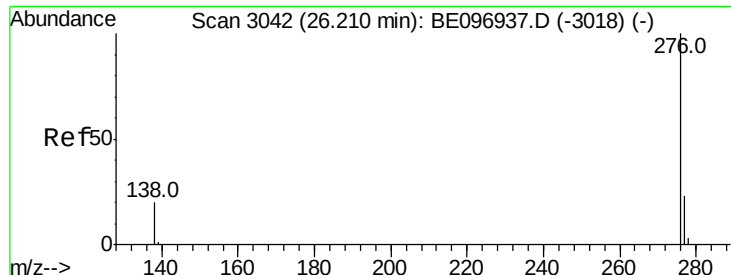
Ion Ratio Lower Upper

278 100

139 104.2 16.0 24.0#

279 101.4 20.0 30.0#





#39

Benzo(a,h,i)perylene

Concen: 0.003 ng

RT: 26.21 min Scan# 3042

Delta R.T. 0.00 min

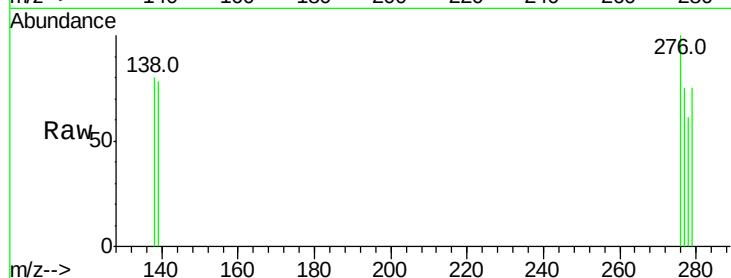
Lab File: BE096948.D

Acq: 16 Jul 2018 21:27

Instrument :

BNA_E

ClientSampleId :



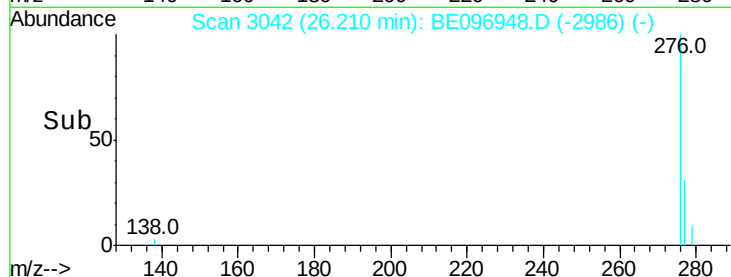
Tot Ion: 276 Resp: 102

Ion Ratio Lower Upper

276 100

277 75.0 16.0 24.0#

138 80.0 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

