

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071318\
 Data File : BE096901.D
 Acq On : 13 Jul 2018 11:42
 Operator : SJ/JU
 Sample : PB111075BSD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB111075BSD

Quant Time: Jul 13 17:03:28 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	7.40	152	2022	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	8619	0.40	ng	0.00
13) Acenaphthene-d10	14.03	164	3544	0.40	ng	0.00
19) Phenanthrene-d10	16.78	188	8674	0.40	ng	0.01
27) Chrysene-d12	20.98	240	8631	0.40	ng	0.00
34) Perylene-d12	23.21	264	7551	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.06	112	1966	0.44	ng	0.00
5) Phenol-d6	6.60	99	2519	0.37	ng	0.00
8) Nitrobenzene-d5	8.53	82	2489	0.48	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	5428	0.44	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	236	0.35	ng	0.01
15) 2-Fluorobiphenyl	12.64	172	5948	0.46	ng	0.00
25) Fluoranthene-d10	18.81	212	33187	0.43	ng	0.00
29) Terphenyl-d14	19.43	244	8477	0.51	ng	0.00

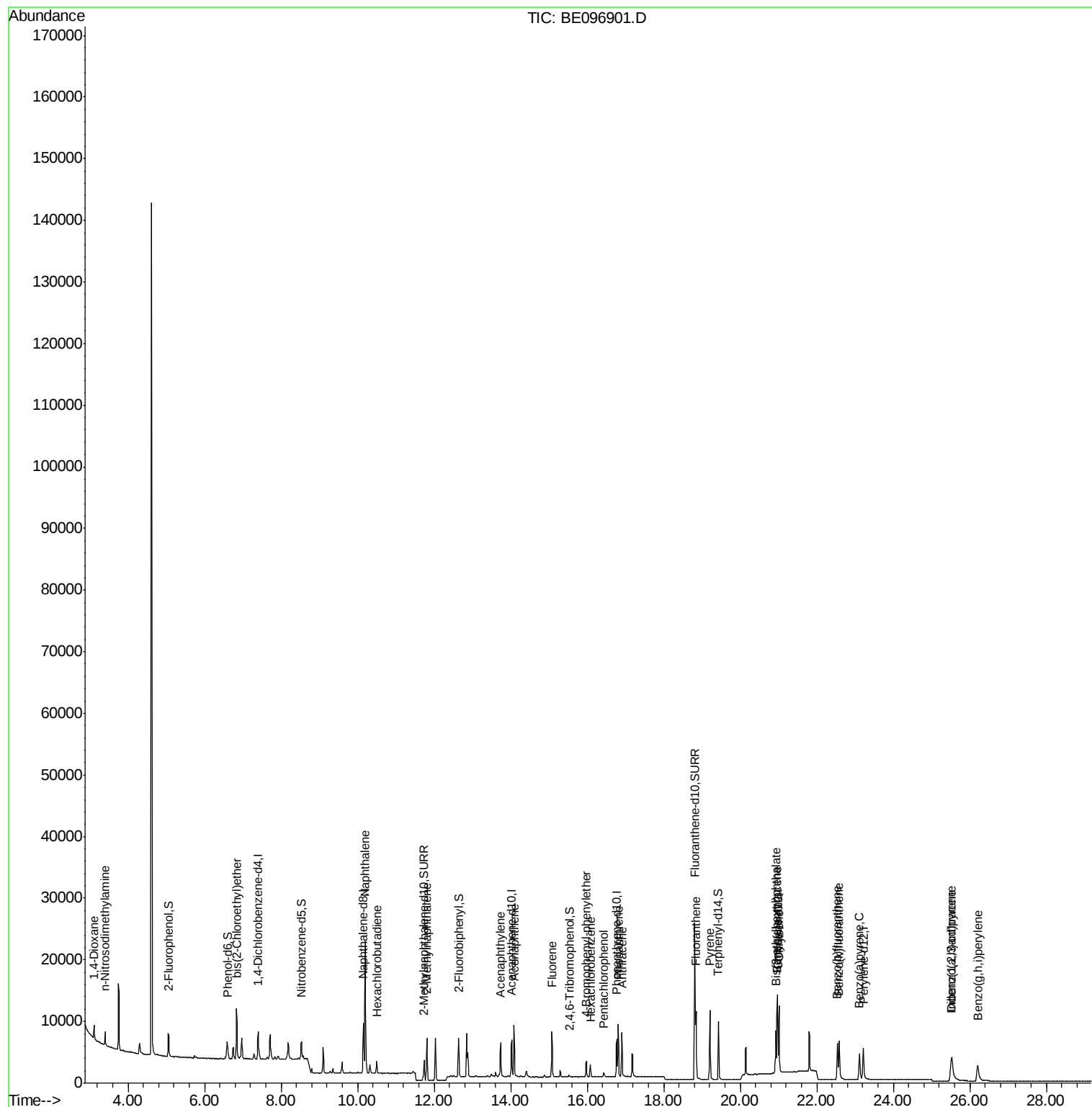
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.11	88	1067	0.352	ng	# 81
3) n-Nitrosodimethylamine	3.38	42	1417	0.441	ng	# 88
6) bis(2-Chloroethyl)ether	6.85	93	2656	0.359	ng	98
9) Naphthalene	10.20	128	32177	0.411	ng	99
10) Hexachlorobutadiene	10.50	225	1261	0.387	ng	98
12) 2-Methylnaphthalene	11.81	142	4912	0.379	ng	99
16) Acenaphthylene	13.74	152	6252	0.407	ng	100
17) Acenaphthene	14.08	154	3999	0.394	ng	95
18) Fluorene	15.07	166	4383	0.367	ng	# 79
20) 4-Bromophenyl-phenylether	15.98	248	1376	0.352	ng	# 80
21) Hexachlorobenzene	16.09	284	1683	0.378	ng	# 79
22) Pentachlorophenol	16.44	266	431	0.596	ng	# 79
23) Phenanthrene	16.81	178	8490	0.398	ng	99
24) Anthracene	16.90	178	7383	0.418	ng	95
26) Fluoranthene	18.84	202	10037	0.466	ng	98
28) Pyrene	19.21	202	9791	0.392	ng	98
30) Benzo(a)anthracene	20.95	228	8518	0.445	ng	99
31) Chrysene	21.02	228	9464	0.401	ng	98
32) Bis(2-ethylhexyl)phthalate	20.93	149	7439	0.434	ng	# 100
33) Indeno(1,2,3-cd)pyrene	25.51	276	7194	0.410	ng	96
35) Benzo(b)fluoranthene	22.54	252	8381	0.407	ng	# 89
36) Benzo(k)fluoranthene	22.58	252	9107	0.399	ng	96
37) Benzo(a)pyrene	23.11	252	6956	0.425	ng	94
38) Dibenzo(a,h)anthracene	25.53	278	6102	0.385	ng	95
39) Benzo(g,h,i)perylene	26.21	276	6787	0.371	ng	# 93

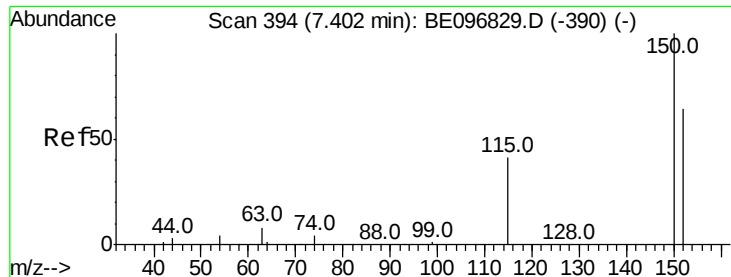
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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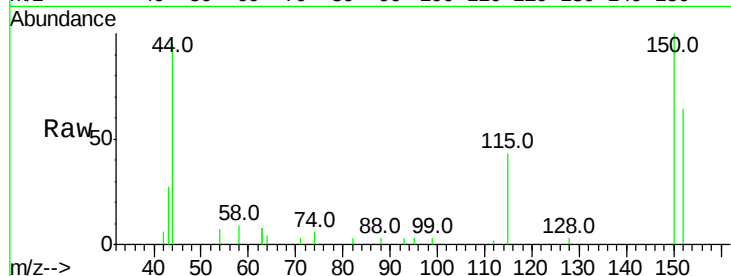


#1

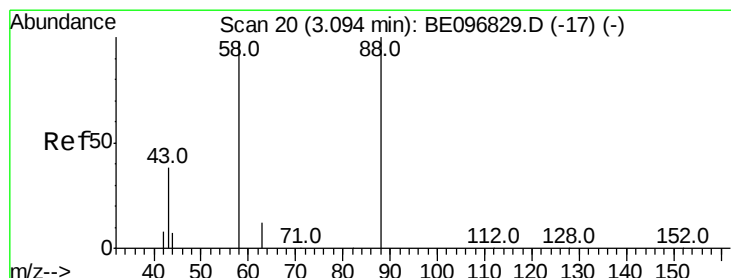
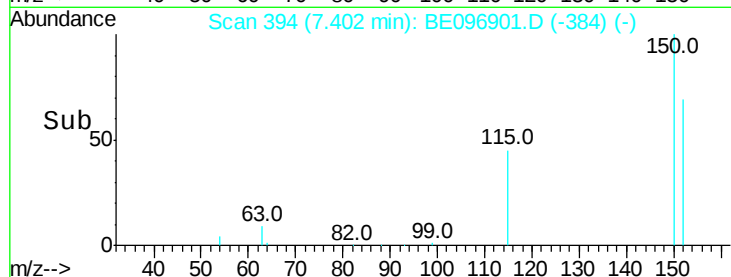
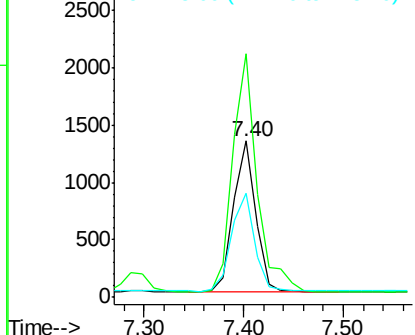
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 394
Delta R.T. 0.01 min
Lab File: BE096901.D
Acq: 13 Jul 2018 11:42

Instrument :
BNA_E
ClientSampleId :
PB111075BSD

Tot Ion:152 Resp: 2022
Ion Ratio Lower Upper
152 100
150 155.6 117.2 175.8
115 66.7 57.0 85.6



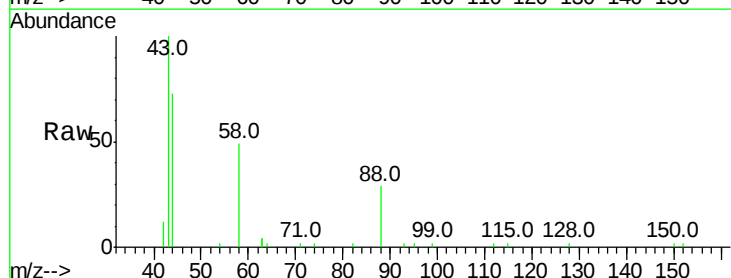
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



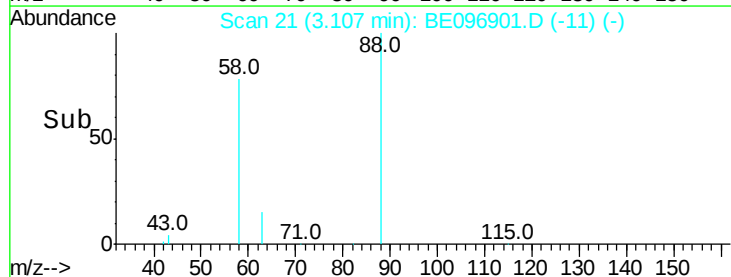
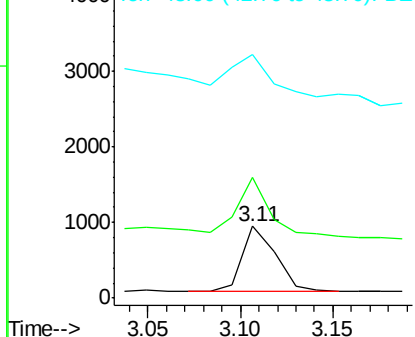
#2

1,4-Dioxane
Concen: 0.352 ng
RT: 3.11 min Scan# 21
Delta R.T. 0.01 min
Lab File: BE096901.D
Acq: 13 Jul 2018 11:42

Tgt Ion: 88 Resp: 1067
Ion Ratio Lower Upper
88 100
58 85.5 63.2 94.8
43 76.9 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: 0.441 ng

RT: 3.38 min Scan# 45

Delta R.T. -0.00 min

Lab File: BE096901.D

Acq: 13 Jul 2018 11:42

Instrument :

BNA_E

ClientSampleId :

PB111075BSD

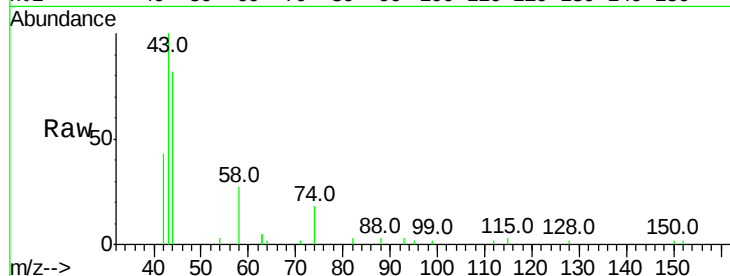
Tot Ion: 42 Resp: 1417

Ion Ratio Lower Upper

42 100

74 109.8 96.0 144.0

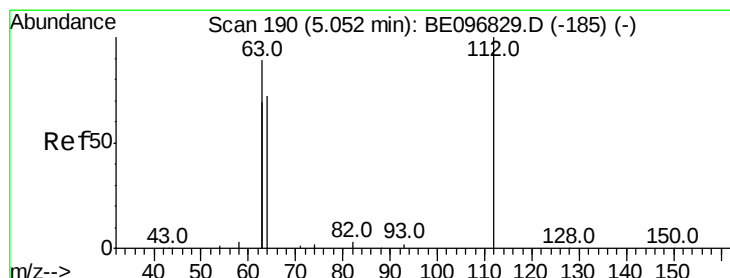
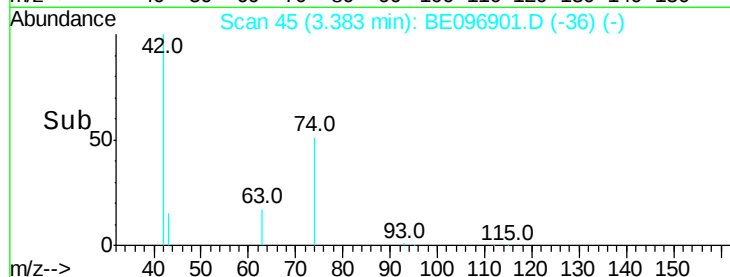
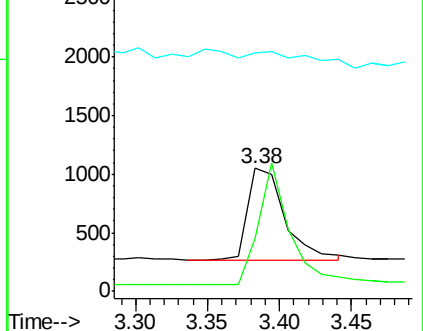
44 0.0 12.0 18.0#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.435 ng

RT: 5.06 min Scan# 191

Delta R.T. 0.01 min

Lab File: BE096901.D

Acq: 13 Jul 2018 11:42

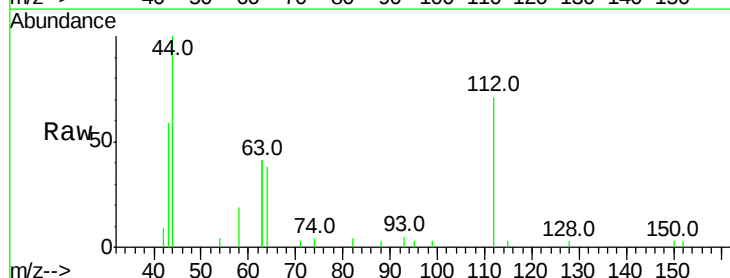
Tgt Ion: 112 Resp: 1966

Ion Ratio Lower Upper

112 100

64 67.5 60.1 90.1

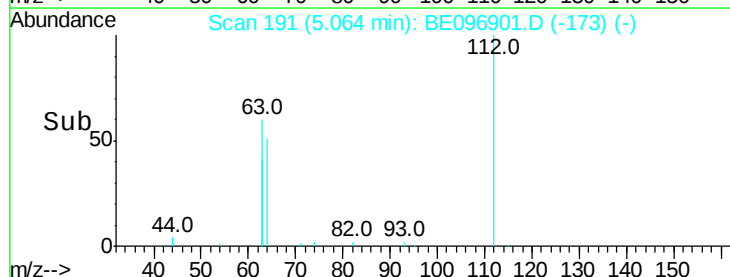
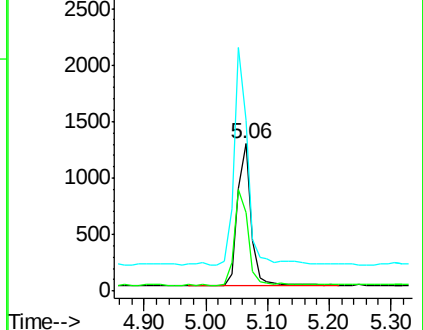
63 148.7 116.8 175.2

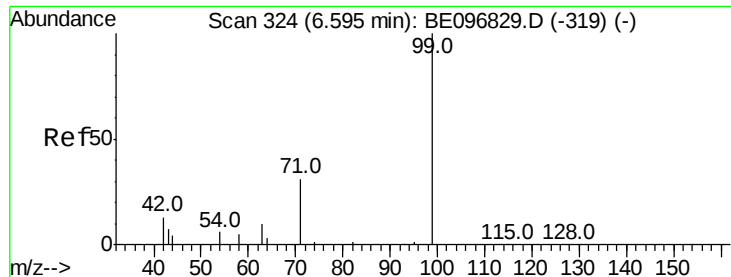


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.374 ng

RT: 6.60 min Scan# 324

Delta R.T. 0.01 min

Lab File: BE096901.D

Acq: 13 Jul 2018 11:42

Instrument :

BNA_E

ClientSampleId :

PB111075BSD

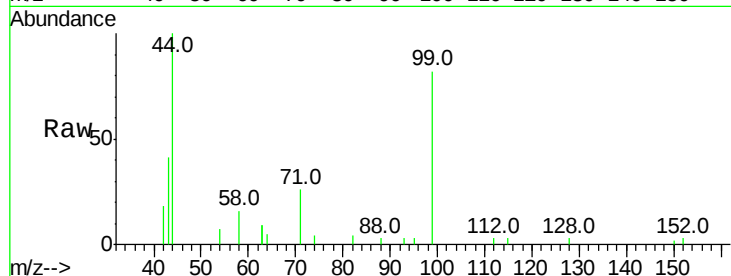
Tot Ion: 99 Resp: 2519

Ion Ratio Lower Upper

99 100

42 25.6 20.2 30.2

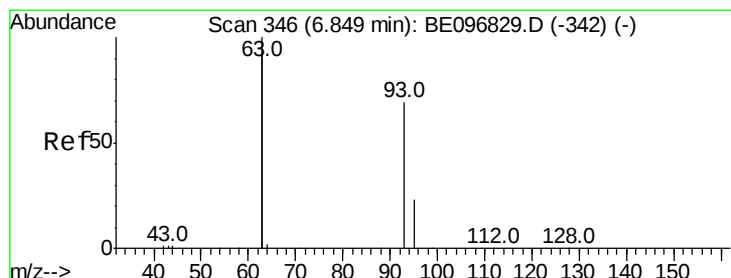
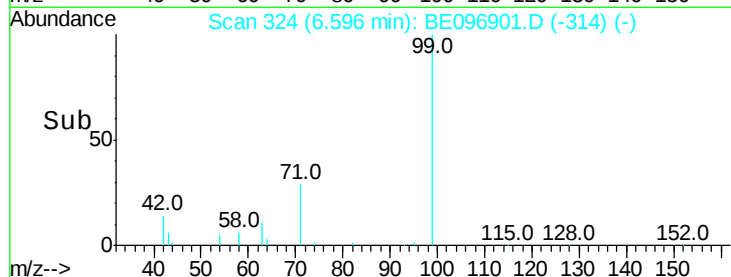
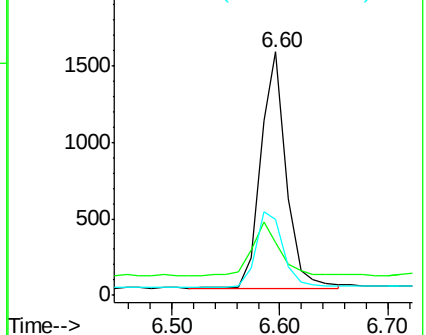
71 34.9 28.4 42.6



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.359 ng

RT: 6.85 min Scan# 346

Delta R.T. 0.01 min

Lab File: BE096901.D

Acq: 13 Jul 2018 11:42

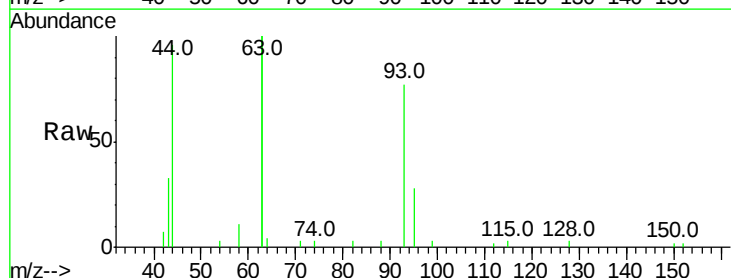
Tgt Ion: 93 Resp: 2656

Ion Ratio Lower Upper

93 100

63 340.4 275.3 412.9

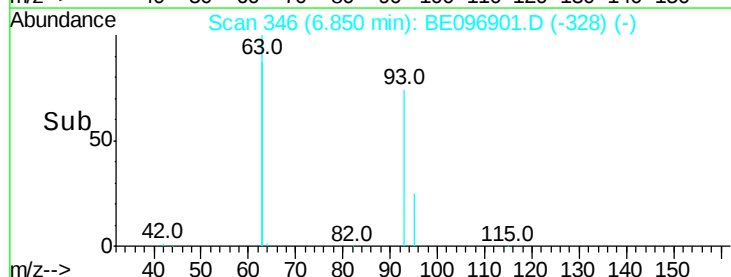
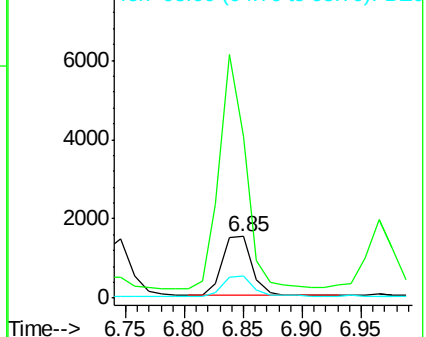
95 32.5 25.2 37.8

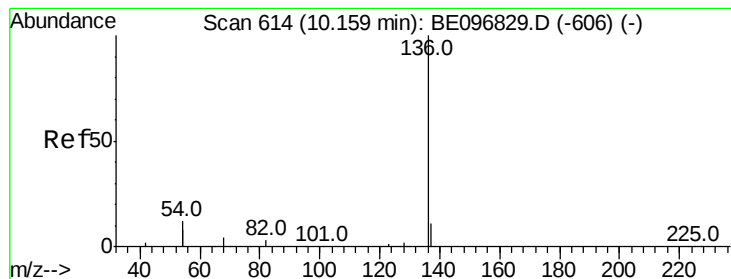


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE096901.D

Acq: 13 Jul 2018 11:42

Instrument :

BNA_E

ClientSampleId :

PB111075BSD

Tot Ion:136 Resp: 8619

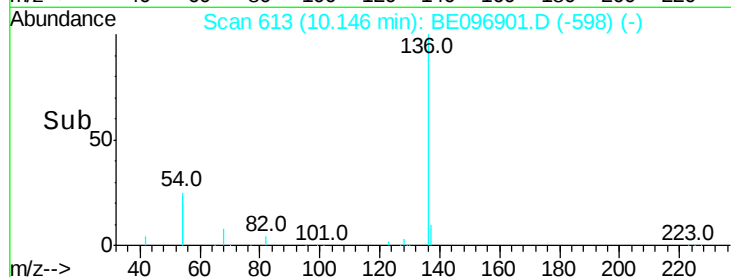
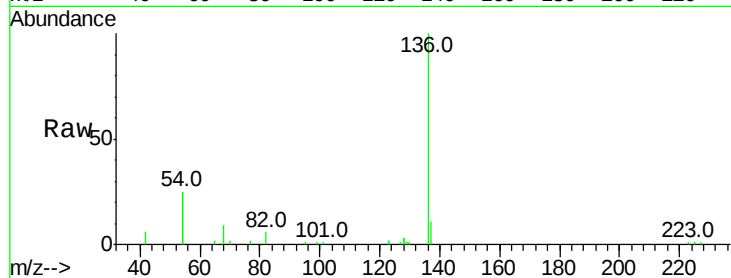
Ion Ratio Lower Upper

136 100

137 11.4 9.5 14.3

54 49.6 29.1 43.7#

68 9.4 6.2 9.2#

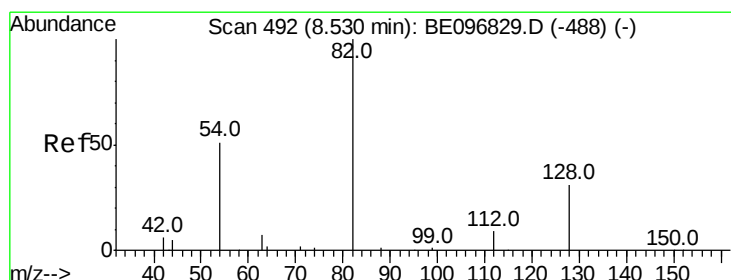
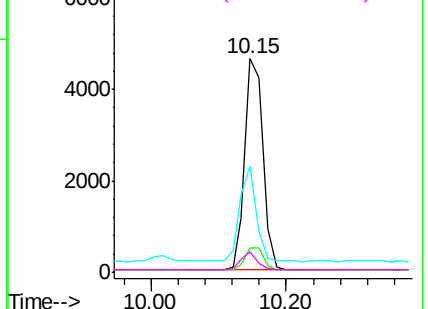


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.477 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE096901.D

Acq: 13 Jul 2018 11:42

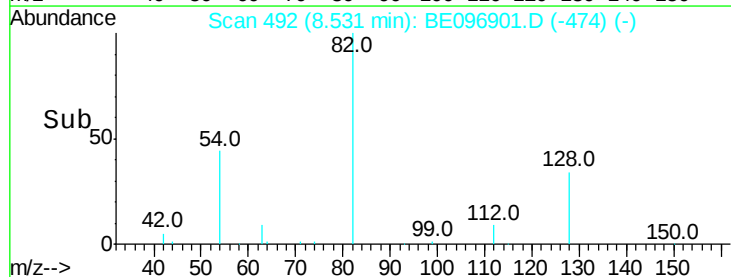
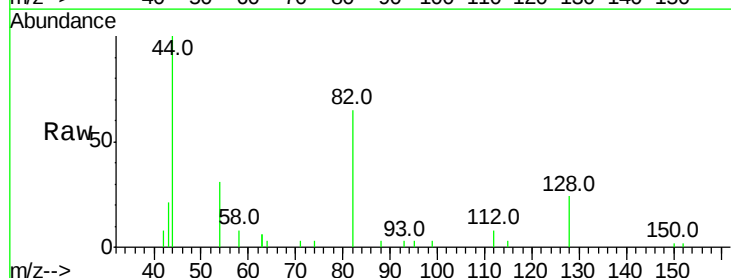
Tgt Ion: 82 Resp: 2489

Ion Ratio Lower Upper

82 100

128 36.1 24.0 36.0#

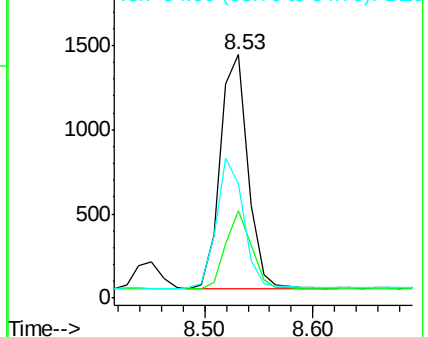
54 46.8 40.0 60.0



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.411 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.00 min

Lab File: BE096901.D

Acq: 13 Jul 2018 11:42

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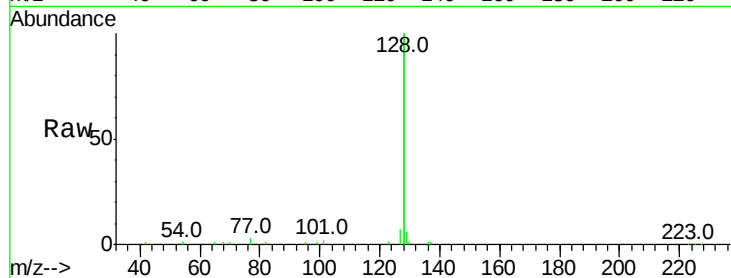
Tot Ion:128 Resp: 32177

Ion Ratio Lower Upper

128 100

129 2.8 2.6 3.8

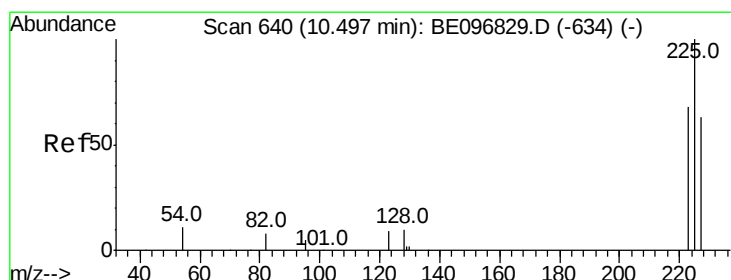
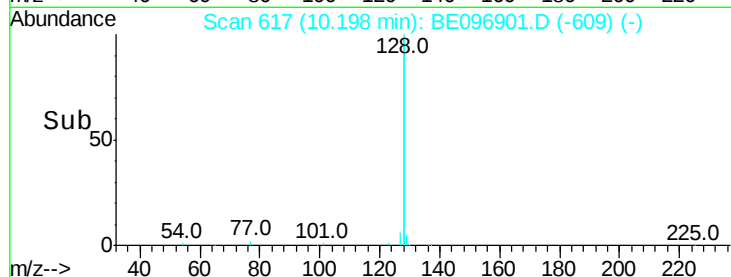
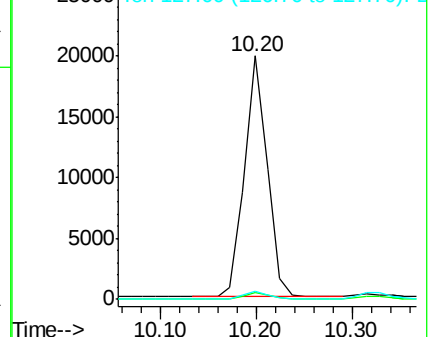
127 3.4 2.8 4.2



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: 0.387 ng

RT: 10.50 min Scan# 640

Delta R.T. 0.00 min

Lab File: BE096901.D

Acq: 13 Jul 2018 11:42

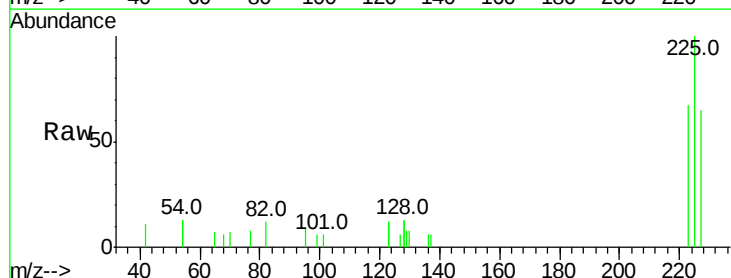
Tgt Ion:225 Resp: 1261

Ion Ratio Lower Upper

225 100

223 64.2 53.0 79.6

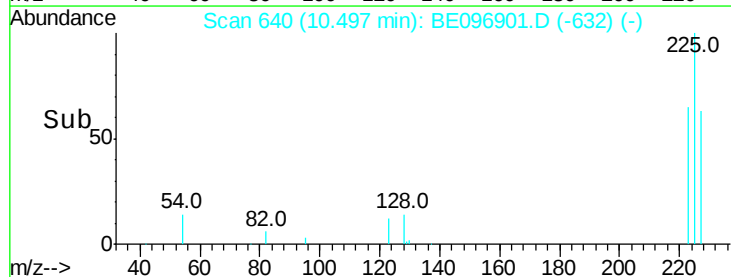
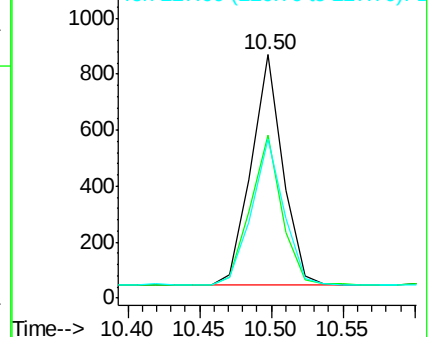
227 63.7 51.4 77.2

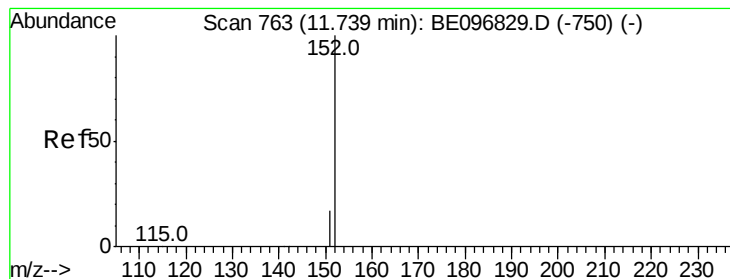


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.438 ng

RT: 11.73 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE096901.D

Acq: 13 Jul 2018 11:42

Instrument :

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ClientSampleId :

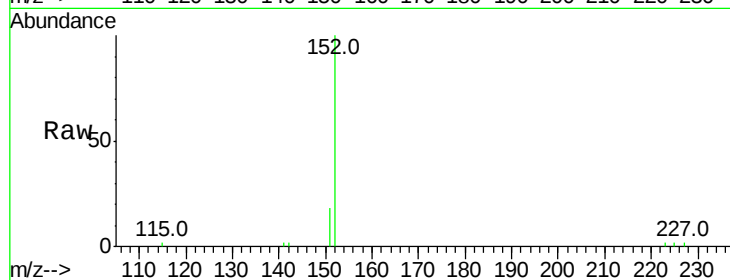
PB111075BSD

Tot Ion:152 Resp: 5428

Ion Ratio Lower Upper

152 100

151 16.0 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

3000

2000

1000

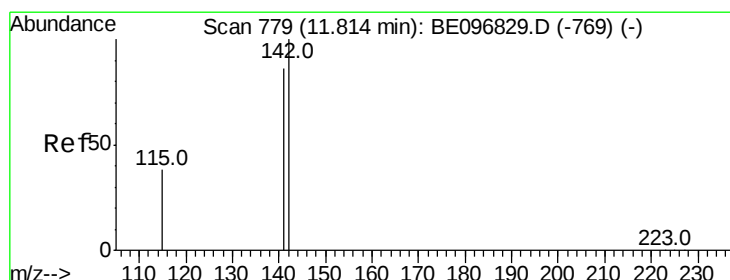
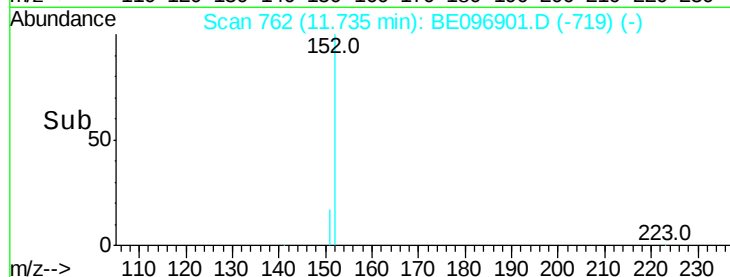
0

Time-->

11.60

11.70

11.80



#12

2-Methylnaphthalene

Concen: 0.379 ng

RT: 11.81 min Scan# 778

Delta R.T. 0.00 min

Lab File: BE096901.D

Acq: 13 Jul 2018 11:42

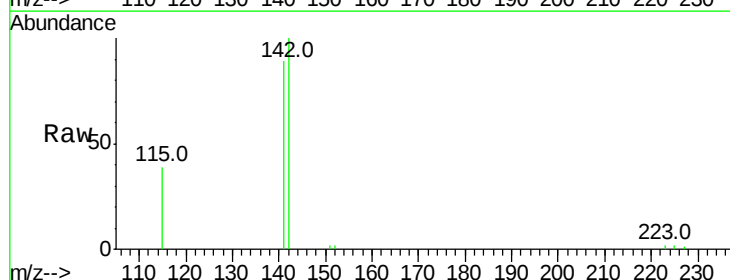
Tgt Ion:142 Resp: 4912

Ion Ratio Lower Upper

142 100

141 88.9 70.4 105.6

115 39.1 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

11.81

4000

3000

2000

1000

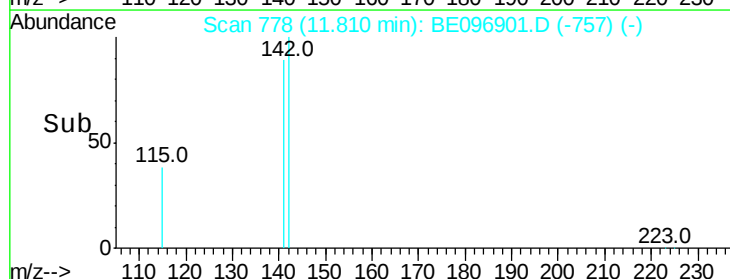
0

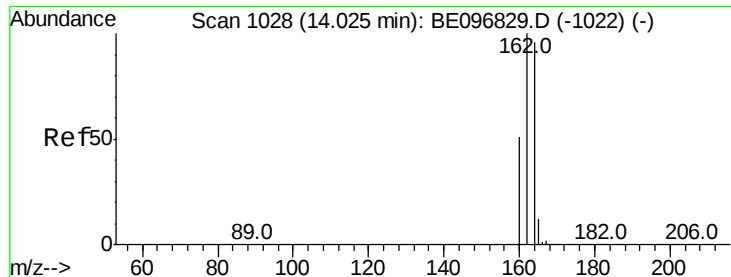
Time-->

11.70

11.80

11.90





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1029

Delta R.T. 0.00 min

Lab File: BE096901.D

Acq: 13 Jul 2018 11:42

Instrument :

BNA_E

ClientSampleId :

PB111075BSD

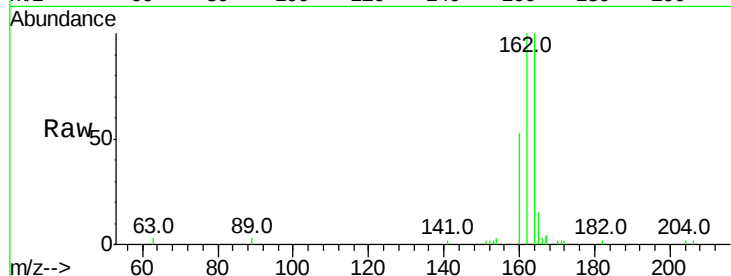
Tot Ion:164 Resp: 3544

Ion Ratio Lower Upper

164 100

162 100.0 83.1 124.7

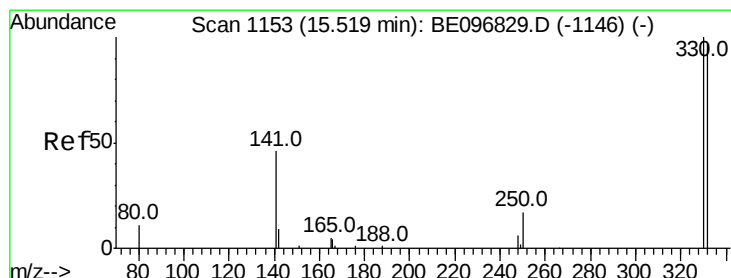
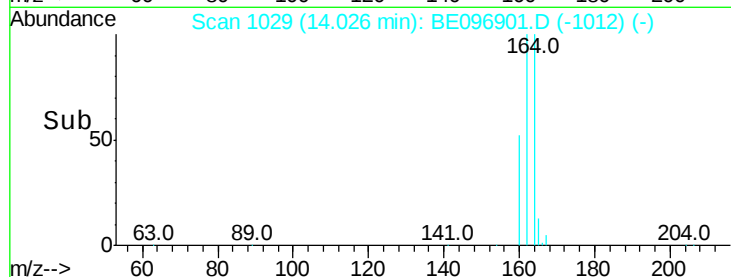
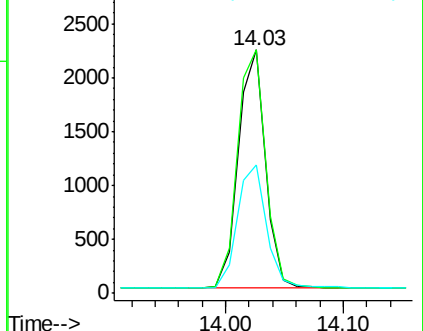
160 52.6 37.1 55.7



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.355 ng

RT: 15.53 min Scan# 1155

Delta R.T. 0.01 min

Lab File: BE096901.D

Acq: 13 Jul 2018 11:42

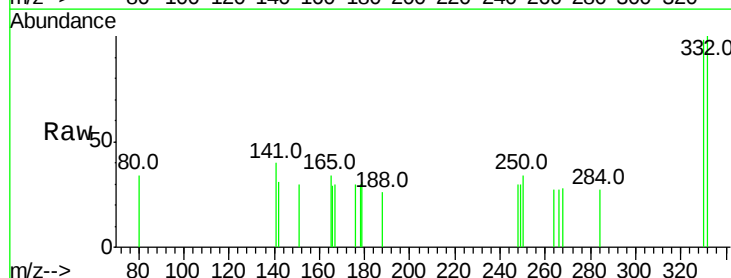
Tgt Ion:330 Resp: 236

Ion Ratio Lower Upper

330 100

332 98.7 152.7 229.1#

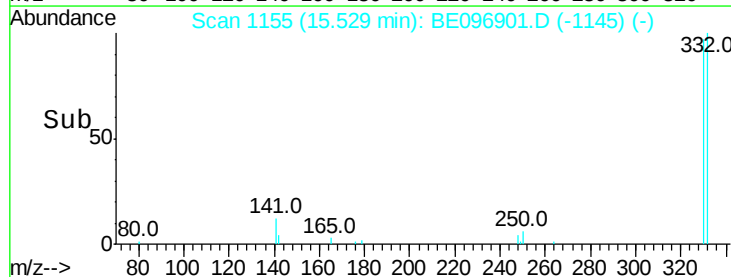
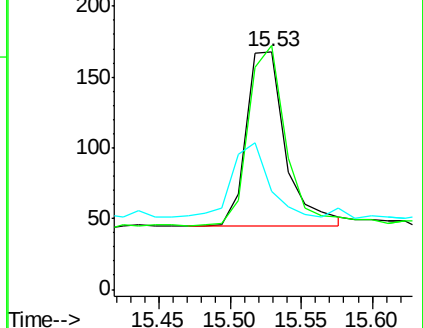
141 39.8 33.7 50.5

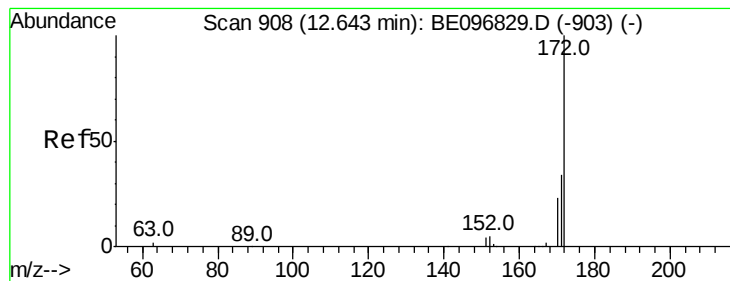


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.459 ng

RT: 12.64 min Scan# 909

Delta R.T. 0.00 min

Lab File: BE096901.D

Acq: 13 Jul 2018 11:42

Instrument :

BNA_E

ClientSampleId :

PB111075BSD

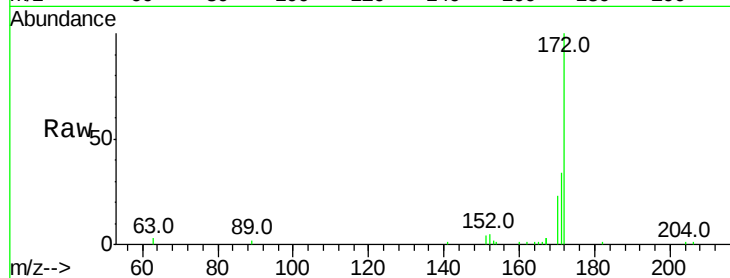
Tot Ion:172 Resp: 5948

Ion Ratio Lower Upper

172 100

171 34.1 29.9 44.9

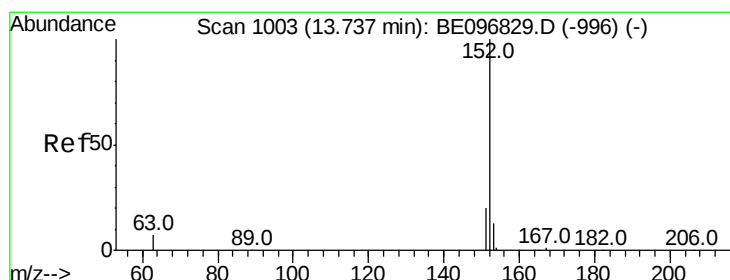
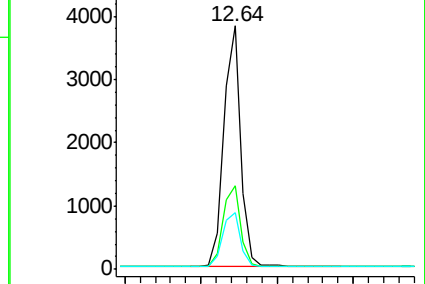
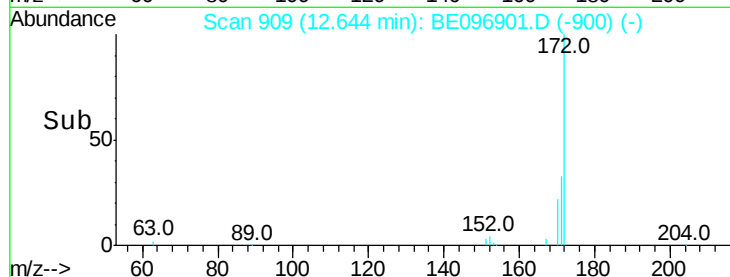
170 23.1 21.8 32.8



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.407 ng

RT: 13.74 min Scan# 1004

Delta R.T. 0.00 min

Lab File: BE096901.D

Acq: 13 Jul 2018 11:42

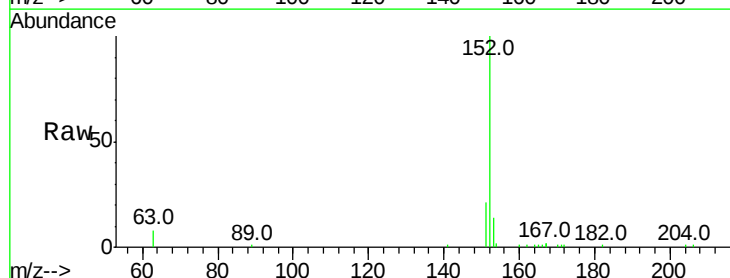
Tgt Ion:152 Resp: 6252

Ion Ratio Lower Upper

152 100

151 19.7 15.7 23.5

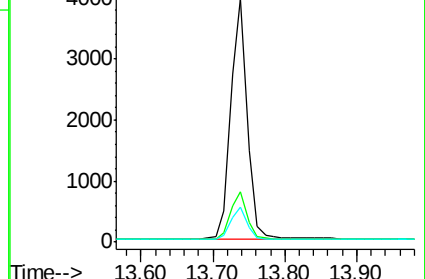
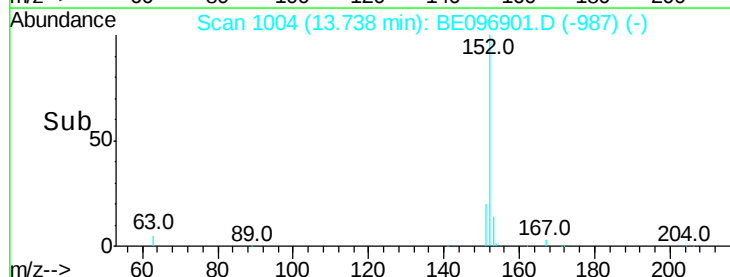
153 13.1 10.5 15.7

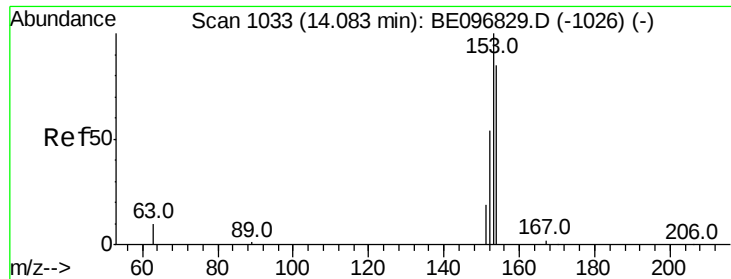


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.394 ng

RT: 14.08 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BE096901.D

Acq: 13 Jul 2018 11:42

Instrument :

BNA_E

ClientSampleId :

PB111075BSD

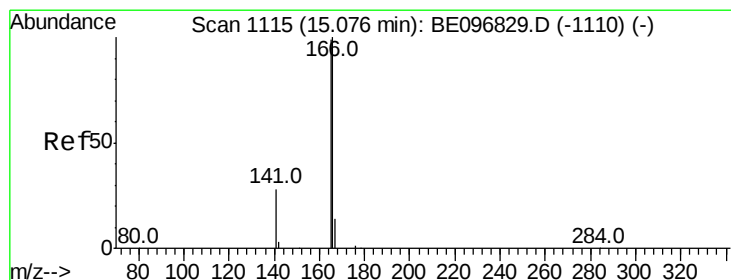
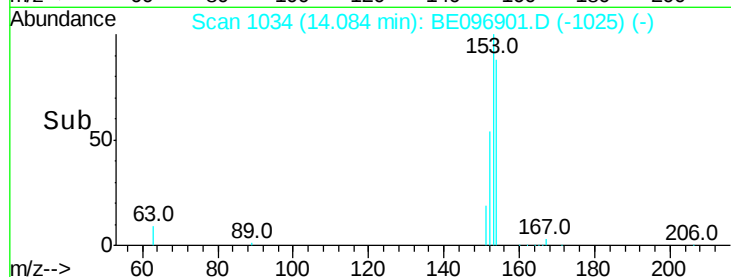
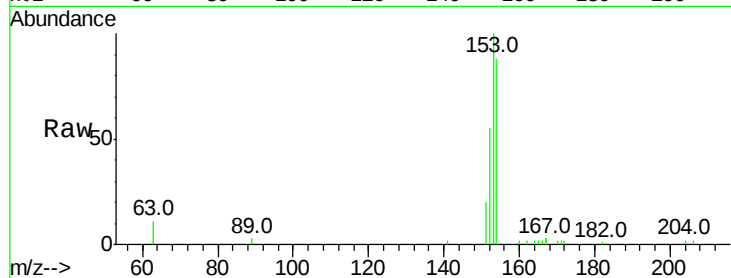
Tot Ion:154 Resp: 3999

Ion Ratio Lower Upper

154 100

153 112.4 89.2 133.8

152 61.9 42.0 63.0



#18

Fluorene

Concen: 0.367 ng

RT: 15.07 min Scan# 1116

Delta R.T. -0.00 min

Lab File: BE096901.D

Acq: 13 Jul 2018 11:42

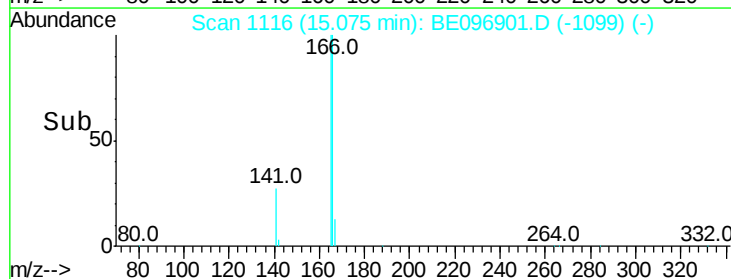
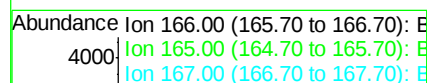
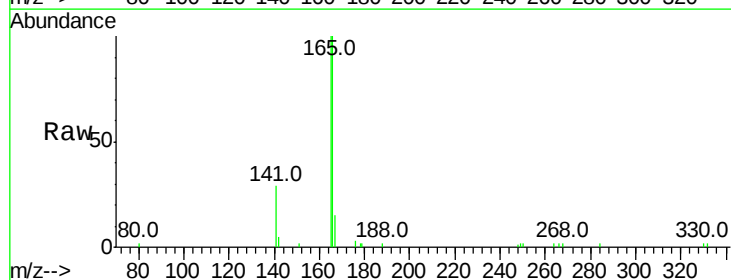
Tgt Ion:166 Resp: 4383

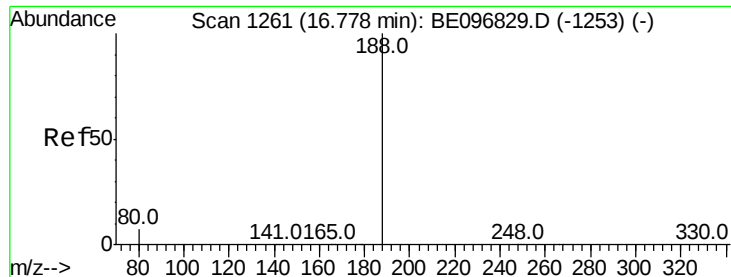
Ion Ratio Lower Upper

166 100

165 99.1 77.8 116.6

167 14.1 42.4 63.6#

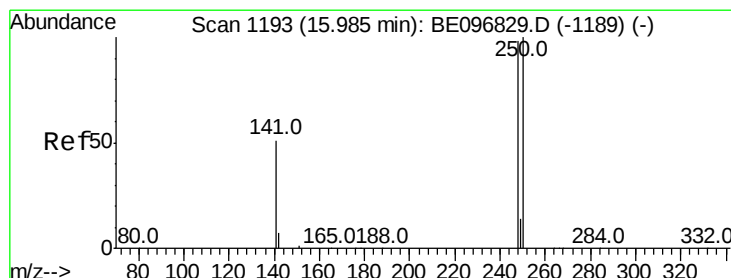
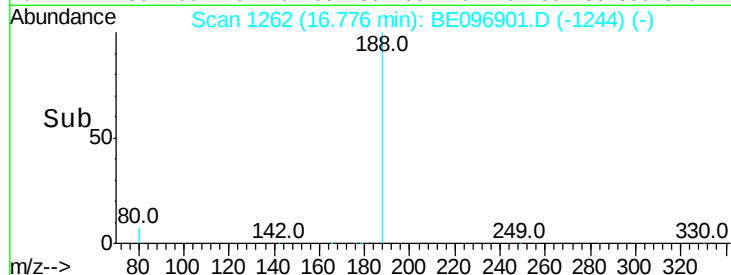
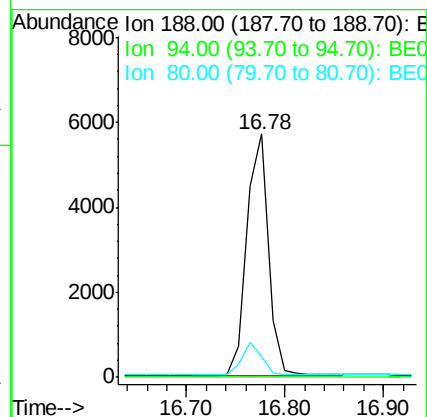
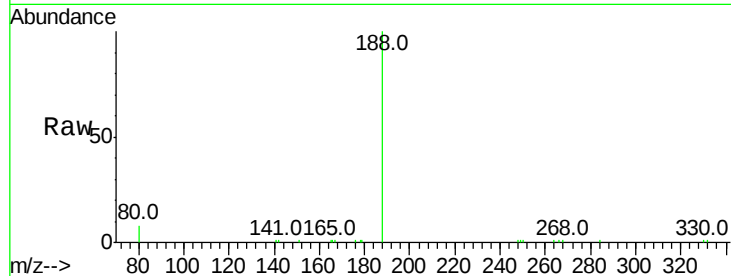




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.78 min Scan# 1262
Delta R.T. 0.01 min
Lab File: BE096901.D
Acq: 13 Jul 2018 11:42

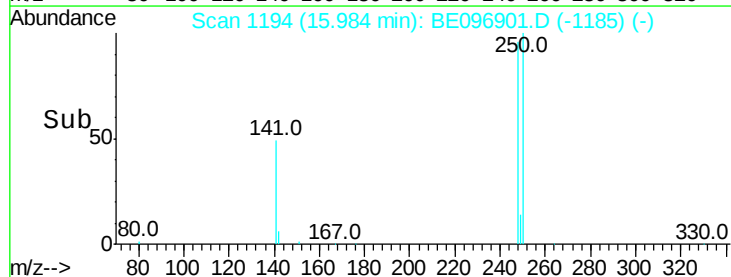
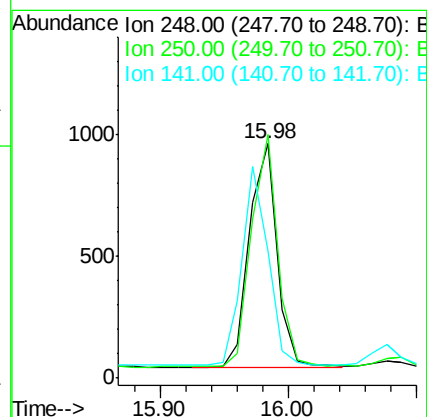
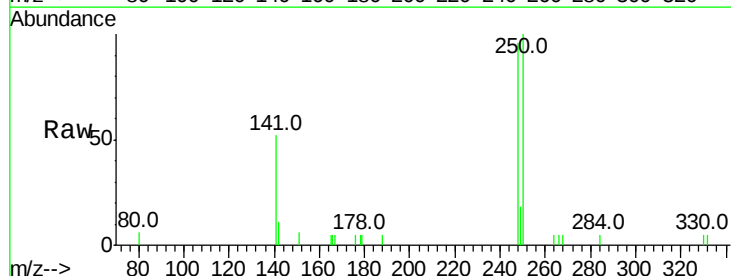
Instrument :
BNA_E
ClientSampleId :
PB111075BSD

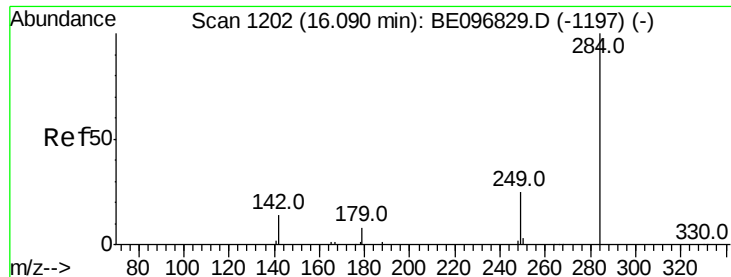
Tot Ion:188 Resp: 8674
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 8.3 3.6 5.4#



#20
4-Bromophenyl-phenylether
Concen: 0.352 ng
RT: 15.98 min Scan# 1194
Delta R.T. -0.00 min
Lab File: BE096901.D
Acq: 13 Jul 2018 11:42

Tgt Ion:248 Resp: 1376
Ion Ratio Lower Upper
248 100
250 103.9 62.7 94.1#
141 54.2 48.2 72.2





#21

Hexachlorobenzene

Concen: 0.378 ng

RT: 16.09 min Scan# 1203

Delta R.T. -0.00 min

Lab File: BE096901.D

Acq: 13 Jul 2018 11:42

Instrument :

BNA_E

ClientSampleId :

PB111075BSD

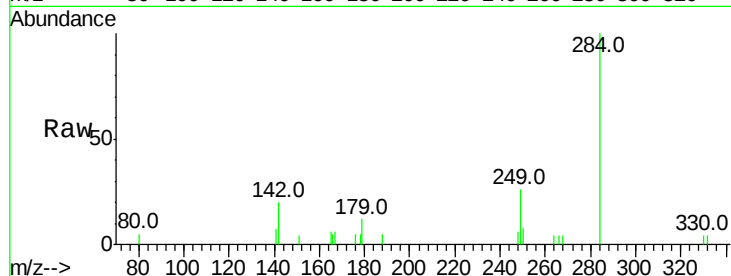
Tot Ion:284 Resp: 1683

Ion Ratio Lower Upper

284 100

142 38.9 22.1 33.1#

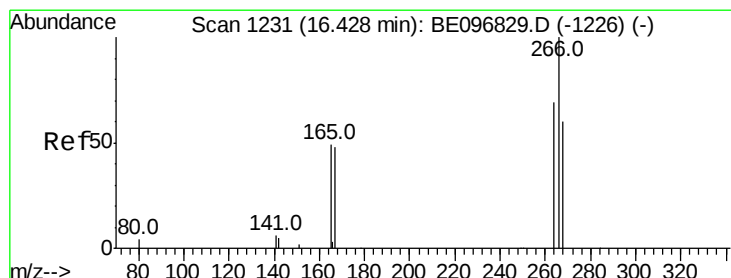
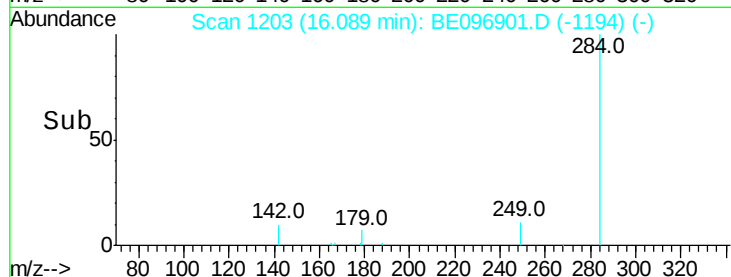
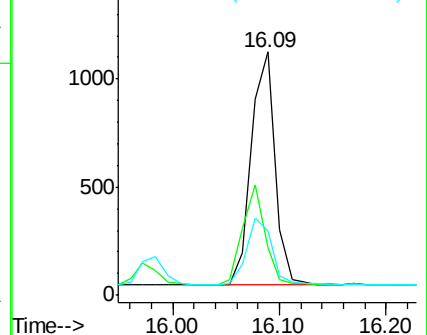
249 29.9 34.8 52.2#



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: 0.596 ng

RT: 16.44 min Scan# 1233

Delta R.T. 0.01 min

Lab File: BE096901.D

Acq: 13 Jul 2018 11:42

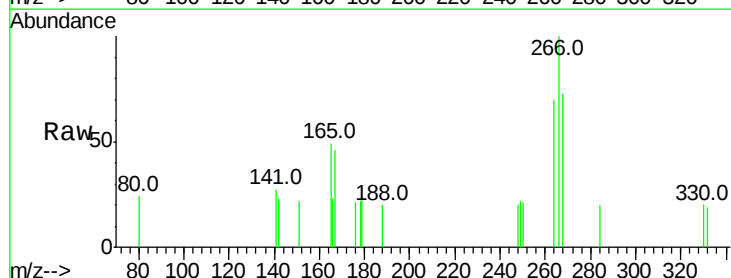
Tgt Ion:266 Resp: 431

Ion Ratio Lower Upper

266 100

264 70.1 72.5 108.7#

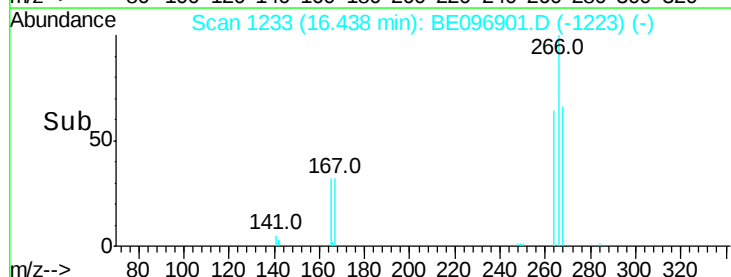
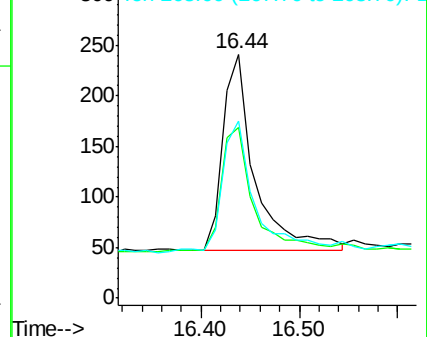
268 72.6 73.8 110.6#

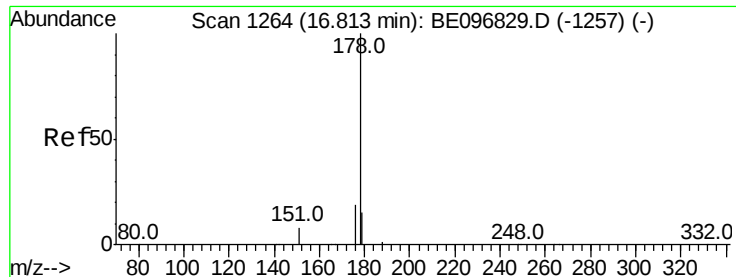


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.398 ng

RT: 16.81 min Scan# 1265

Delta R.T. -0.00 min

Lab File: BE096901.D

Acq: 13 Jul 2018 11:42

Instrument :

BNA_E

ClientSampleId :

PB111075BSD

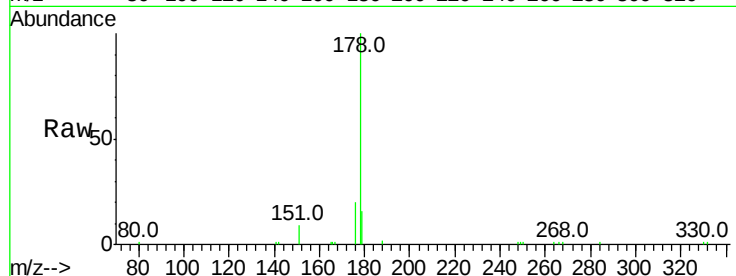
Tot Ion:178 Resp: 8490

Ion Ratio Lower Upper

178 100

176 19.5 15.1 22.7

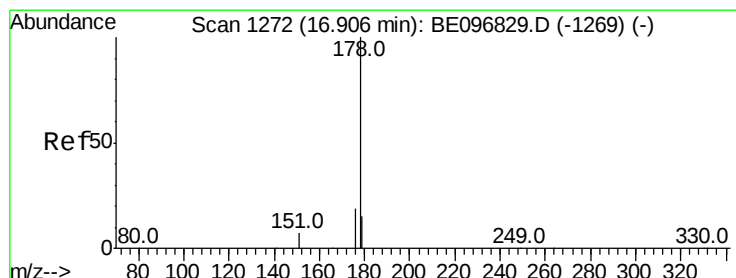
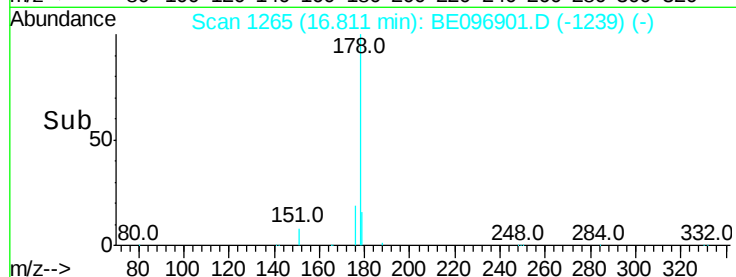
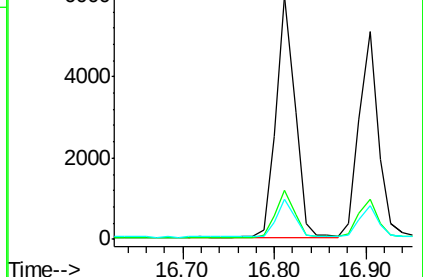
179 15.2 11.8 17.6



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: 0.418 ng

RT: 16.90 min Scan# 1273

Delta R.T. -0.00 min

Lab File: BE096901.D

Acq: 13 Jul 2018 11:42

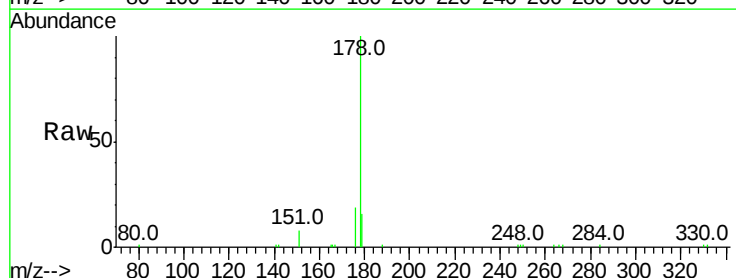
Tgt Ion:178 Resp: 7383

Ion Ratio Lower Upper

178 100

176 18.9 12.8 19.2

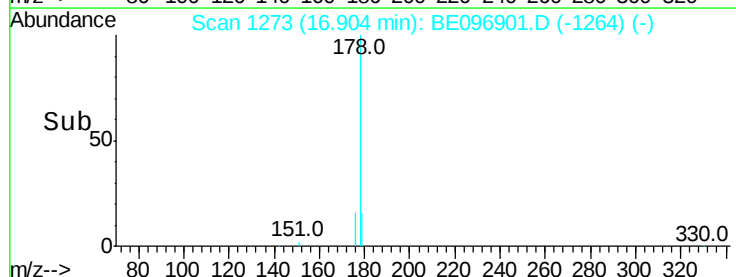
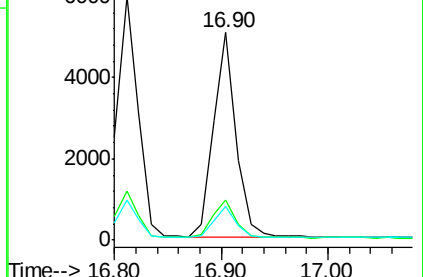
179 15.2 13.0 19.6



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: 0.435 ng

RT: 18.81 min Scan# 1503

Delta R.T. -0.00 min

Lab File: BE096901.D

Acq: 13 Jul 2018 11:42

Instrument :

BNA_E

ClientSampleId :

PB111075BSD

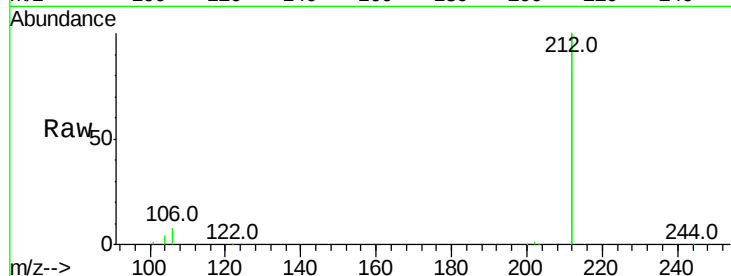
Tot Ion:212 Resp: 33187

Ion Ratio Lower Upper

212 100

106 3.5 2.8 4.2

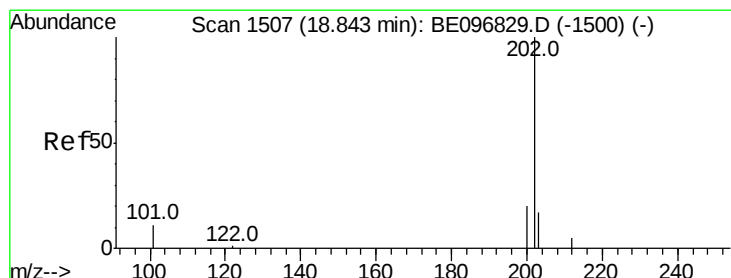
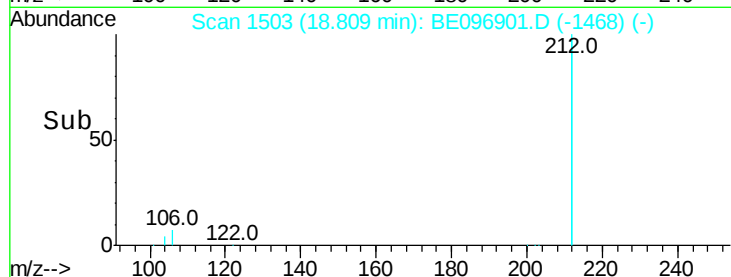
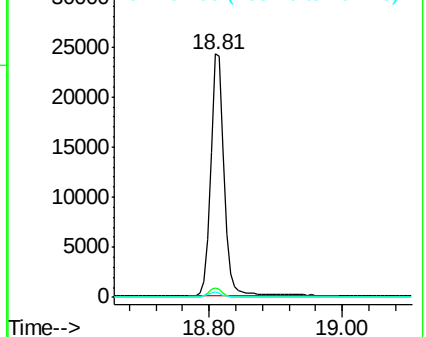
104 1.8 1.6 2.4



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: 0.466 ng

RT: 18.84 min Scan# 1509

Delta R.T. 0.00 min

Lab File: BE096901.D

Acq: 13 Jul 2018 11:42

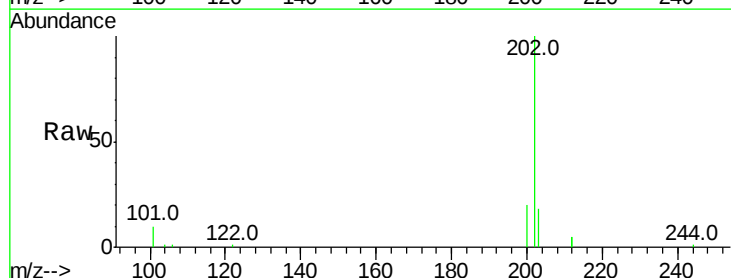
Tgt Ion:202 Resp: 10037

Ion Ratio Lower Upper

202 100

101 10.9 9.8 14.8

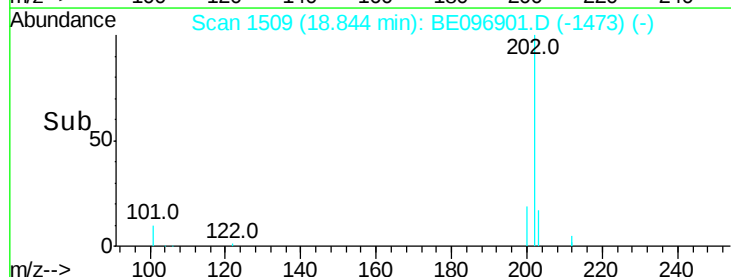
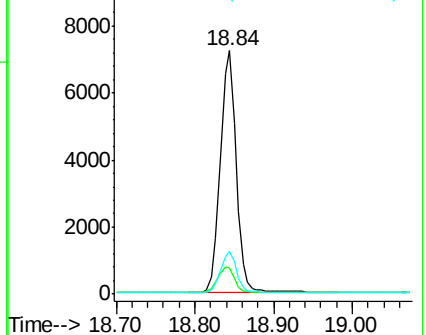
203 16.9 13.7 20.5



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: BE096901.D

Acq: 13 Jul 2018 11:42

Instrument :

BNA_E

ClientSampleId :

PB111075BSD

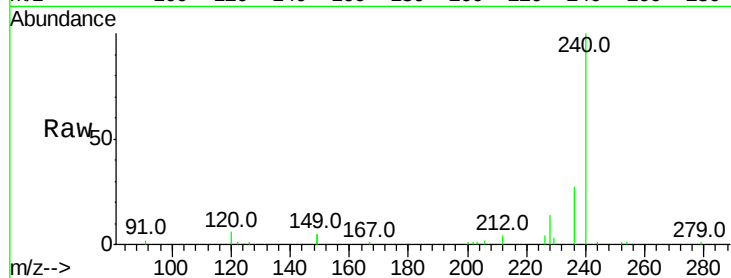
Tot Ion:240 Resp: 8631

Ion Ratio Lower Upper

240 100

120 6.4 5.5 8.3

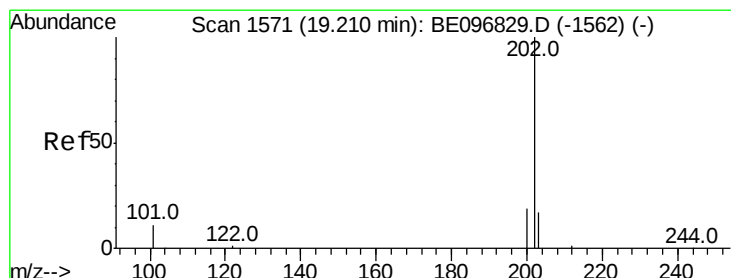
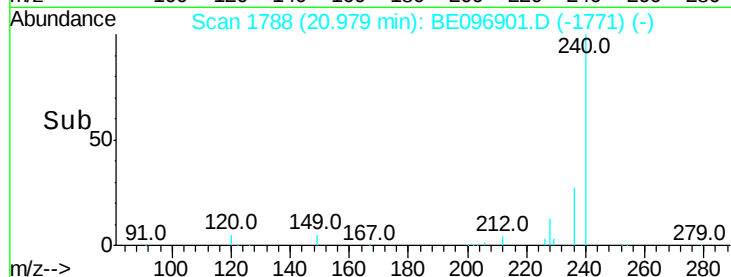
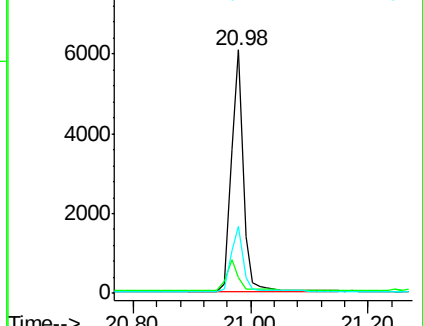
236 27.5 20.7 31.1



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: 0.392 ng

RT: 19.21 min Scan# 1572

Delta R.T. -0.00 min

Lab File: BE096901.D

Acq: 13 Jul 2018 11:42

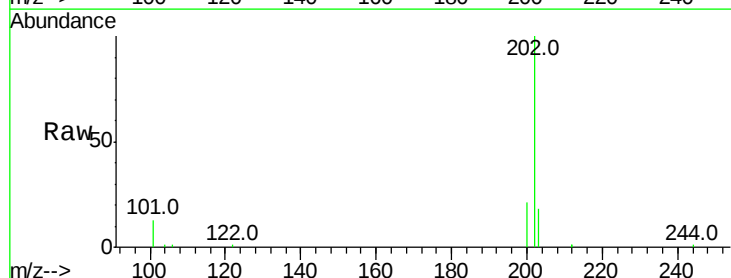
Tgt Ion:202 Resp: 9791

Ion Ratio Lower Upper

202 100

200 19.8 16.6 25.0

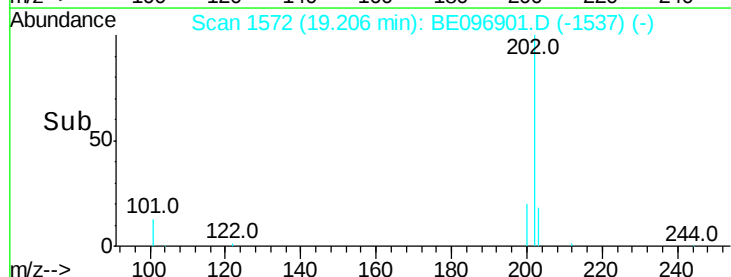
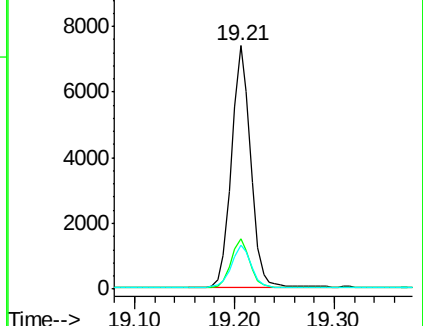
203 18.0 13.8 20.8

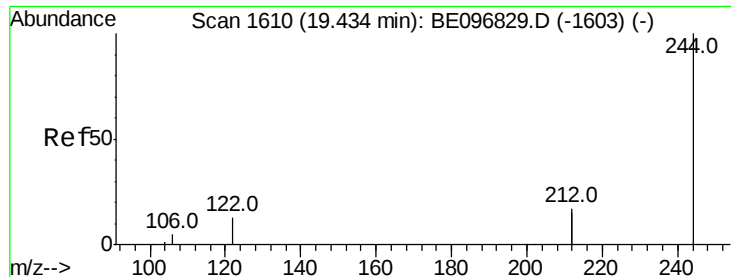


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.509 ng

RT: 19.43 min Scan# 1611

Delta R.T. -0.00 min

Lab File: BE096901.D

Acq: 13 Jul 2018 11:42

Instrument :

BNA_E

ClientSampleId :

PB111075BSD

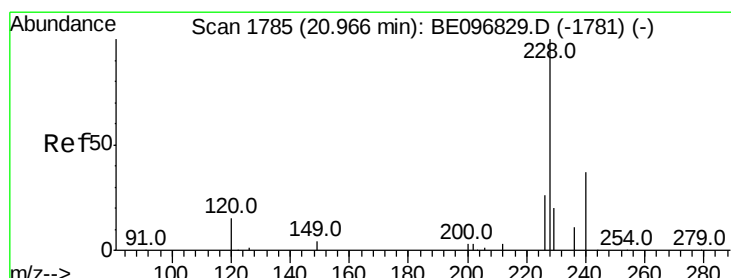
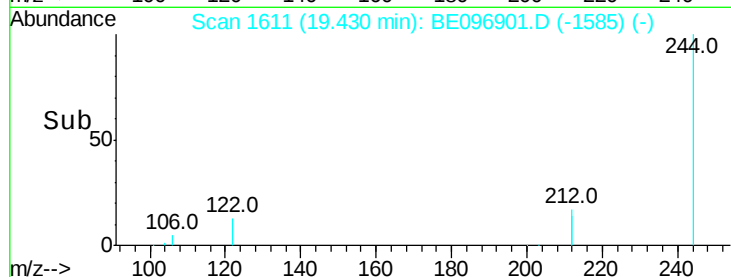
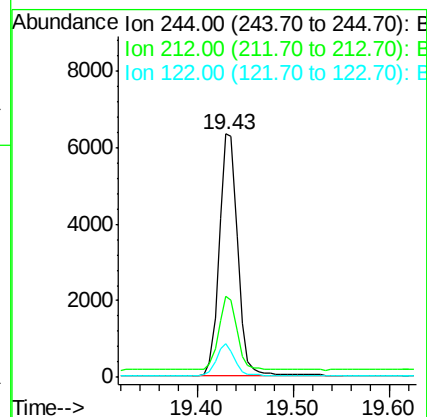
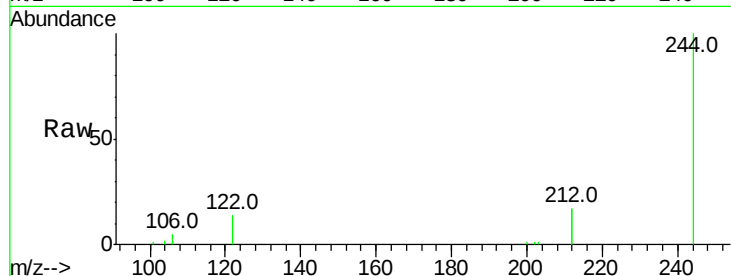
Tot Ion:244 Resp: 8477

Ion Ratio Lower Upper

244 100

212 33.4 25.4 38.0

122 13.9 8.1 12.1#



#30

Benzo(a)anthracene

Concen: 0.445 ng

RT: 20.95 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BE096901.D

Acq: 13 Jul 2018 11:42

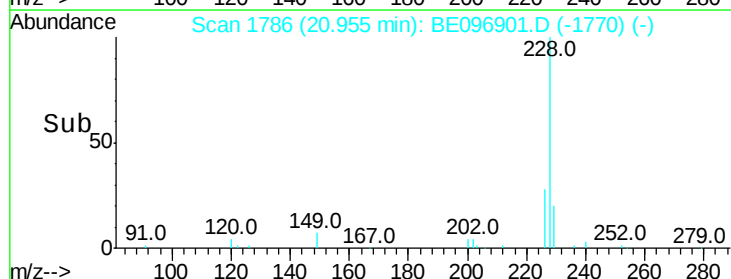
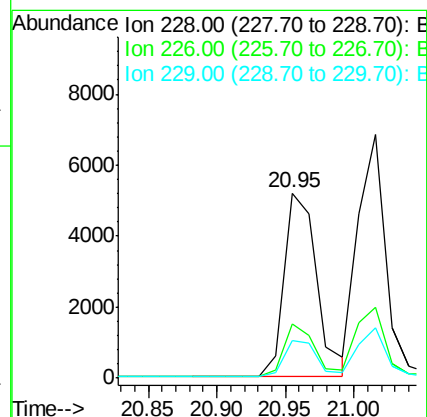
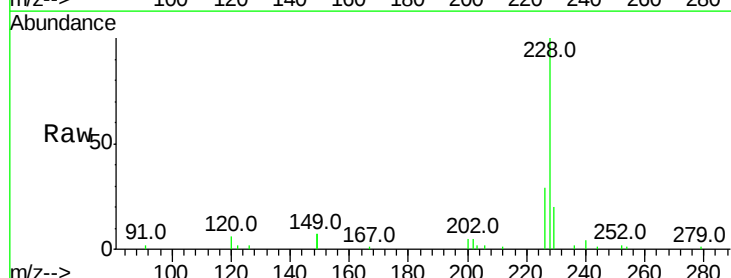
Tgt Ion:228 Resp: 8518

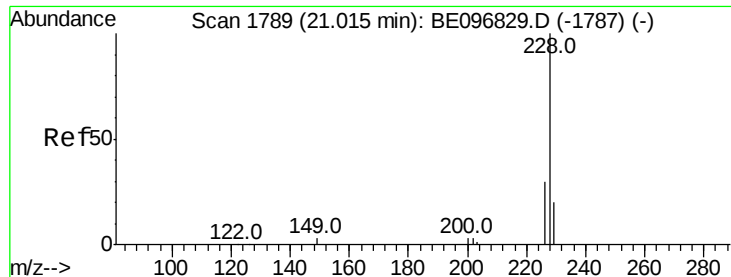
Ion Ratio Lower Upper

228 100

226 29.1 24.0 36.0

229 20.5 16.0 24.0





#31

Chrysene

Concen: 0.401 ng

RT: 21.02 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BE096901.D

Acq: 13 Jul 2018 11:42

Instrument :

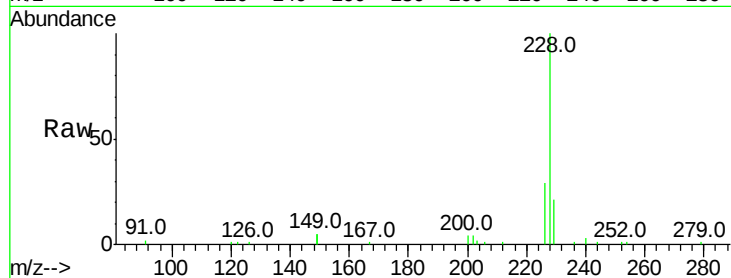
BNA_E

ClientSampleId :

PB111075BSD

Tot Ion:228 Resp: 9464

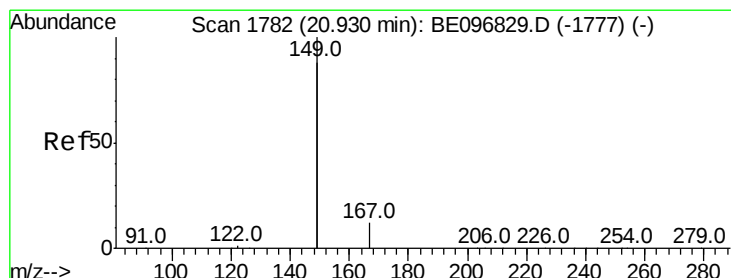
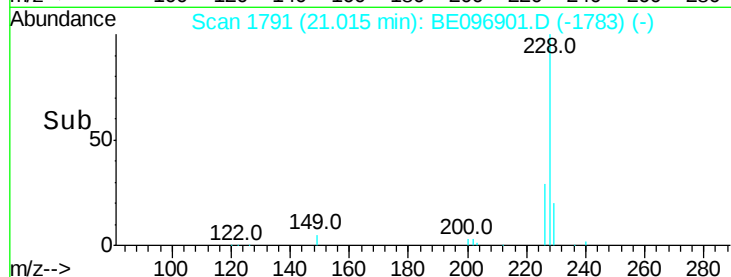
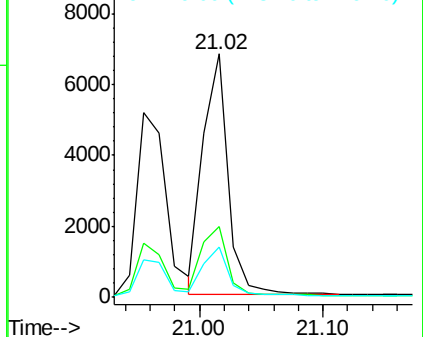
Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.0	36.0
229	20.9	16.0	24.0



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: 0.434 ng

RT: 20.93 min Scan# 1784

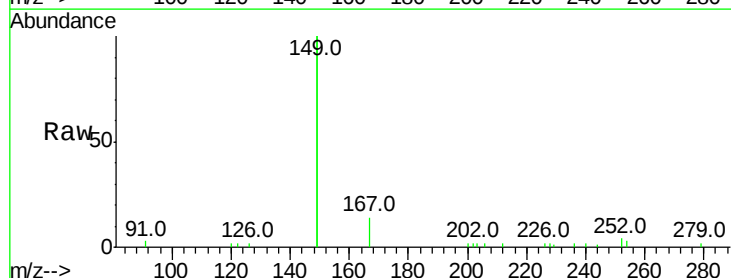
Delta R.T. 0.00 min

Lab File: BE096901.D

Acq: 13 Jul 2018 11:42

Tgt Ion:149 Resp: 7439

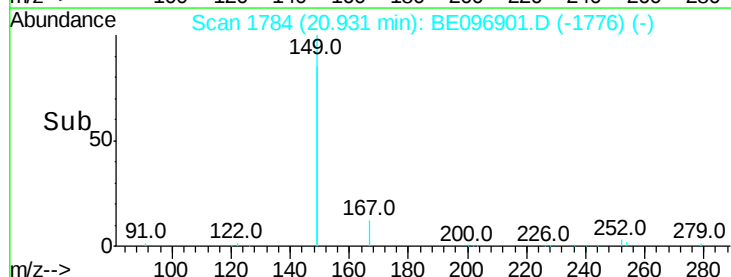
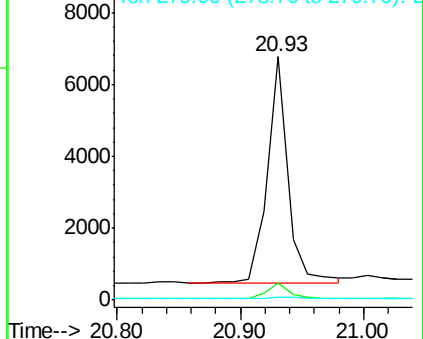
Ion	Ratio	Lower	Upper
149	100		
167	6.6	5.4	8.0
279	1.2	0.7	1.1#



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: 0.410 ng

RT: 25.51 min Scan# 2846

Delta R.T. -0.00 min

Lab File: BE096901.D

Acq: 13 Jul 2018 11:42

Instrument :

BNA_E

ClientSampleId :

PB111075BSD

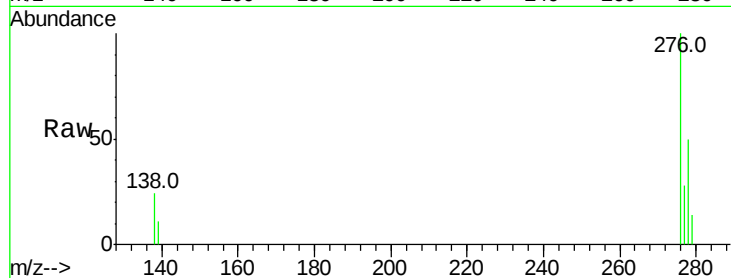
Tot Ion:276 Resp: 7194

Ion Ratio Lower Upper

276 100

138 24.0 22.5 33.7

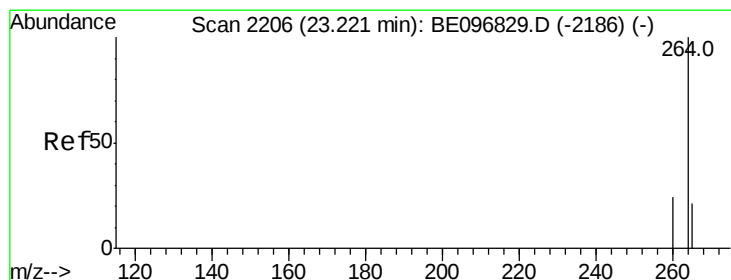
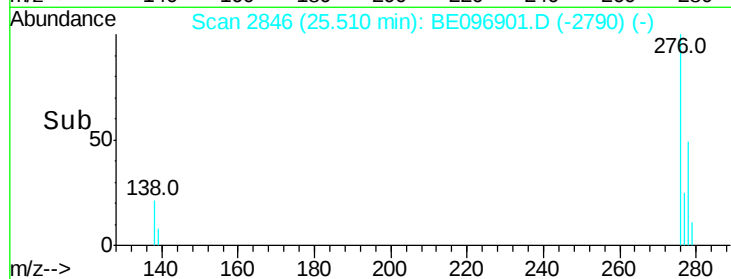
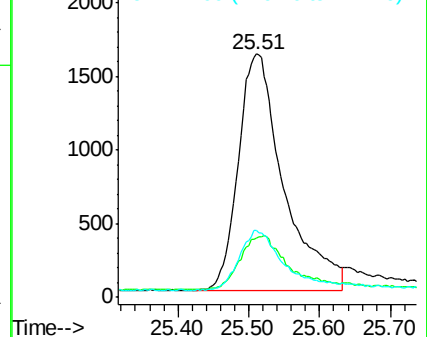
277 24.8 19.9 29.9



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: BE096901.D

Acq: 13 Jul 2018 11:42

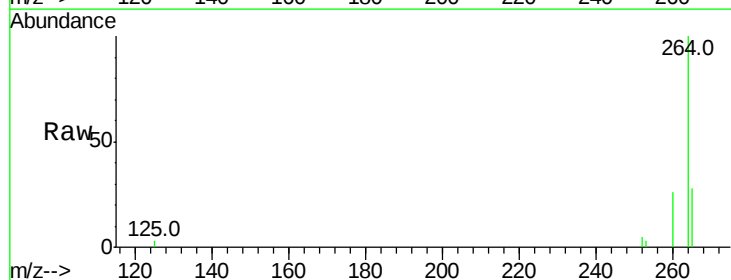
Tgt Ion:264 Resp: 7551

Ion Ratio Lower Upper

264 100

260 26.0 20.5 30.7

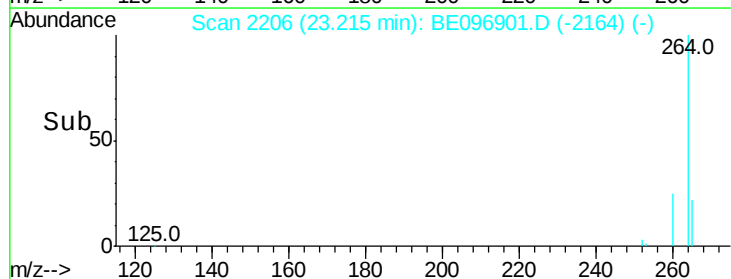
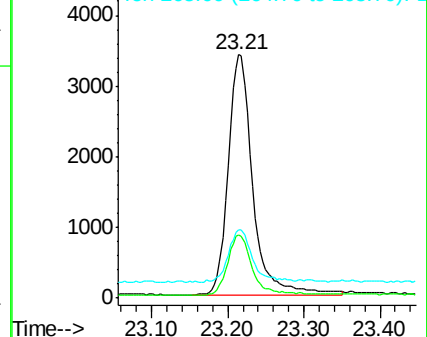
265 28.2 22.8 34.2



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

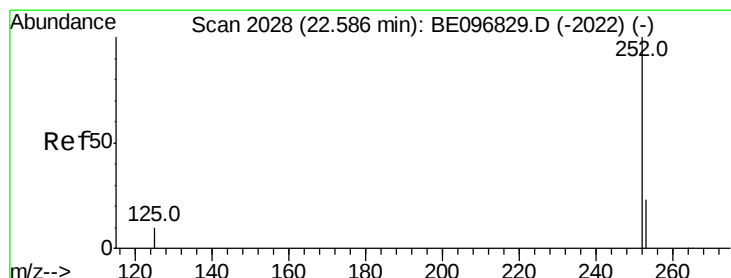
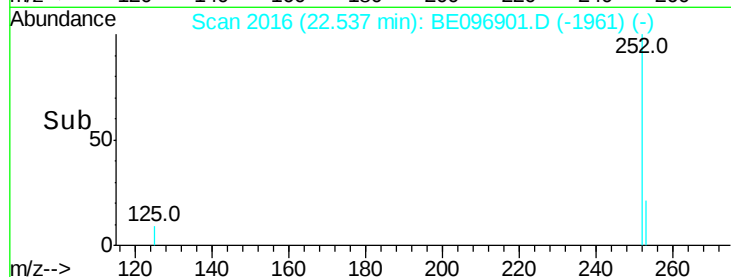
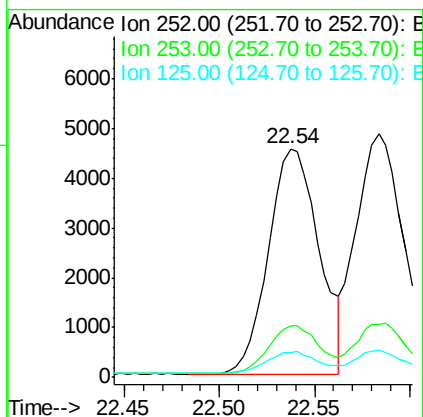
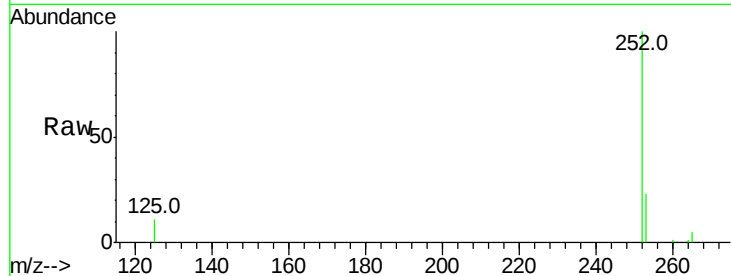




#35
Benzo(b)fluoranthene
Concen: 0.407 ng
RT: 22.54 min Scan# 2016
Delta R.T. -0.00 min
Lab File: BE096901.D
Acq: 13 Jul 2018 11:42

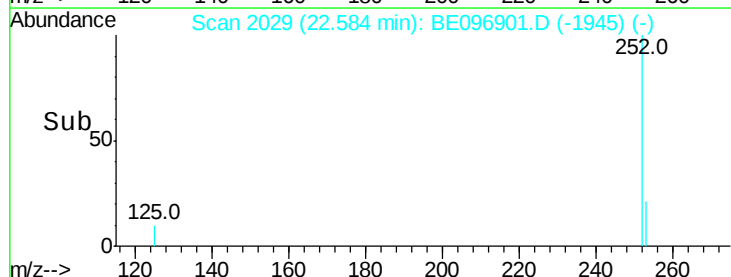
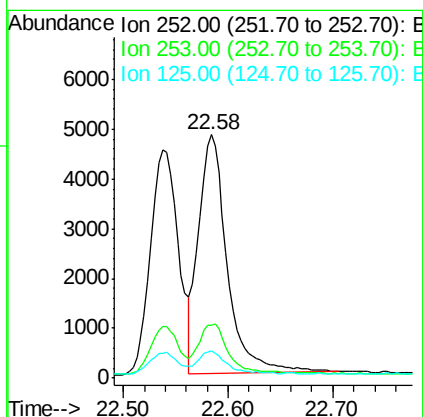
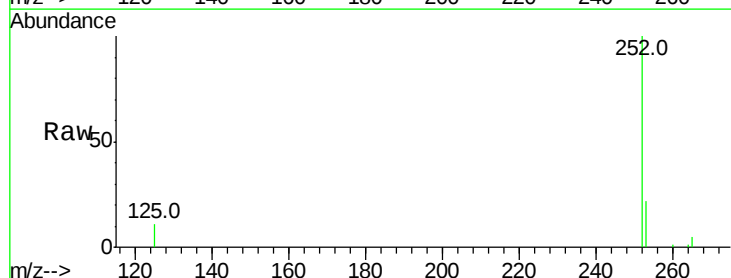
Instrument :
BNA_E
ClientSampleId :
PB111075BSD

Tot Ion:252 Resp: 8381
Ion Ratio Lower Upper
252 100
253 22.6 20.0 30.0
125 10.9 16.0 24.0#



#36
Benzo(k)fluoranthene
Concen: 0.399 ng
RT: 22.58 min Scan# 2029
Delta R.T. 0.00 min
Lab File: BE096901.D
Acq: 13 Jul 2018 11:42

Tgt Ion:252 Resp: 9107
Ion Ratio Lower Upper
252 100
253 22.0 16.0 24.0
125 11.3 8.0 12.0





#37

Benzo(a)pyrene

Concen: 0.425 ng

RT: 23.11 min Scan# 2178

Delta R.T. 0.00 min

Lab File: BE096901.D

Acq: 13 Jul 2018 11:42

Instrument :

BNA_E

ClientSampleId :

PB111075BSD

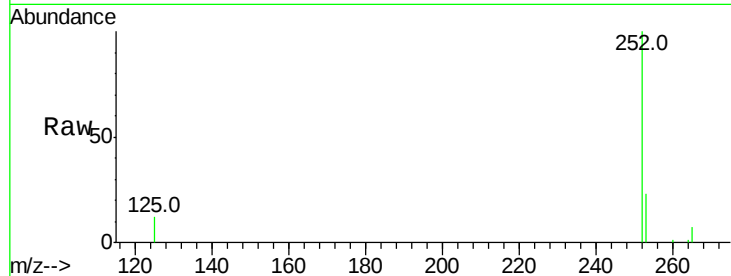
Tot Ion:252 Resp: 6956

Ion Ratio Lower Upper

252 100

253 22.8 16.0 24.0

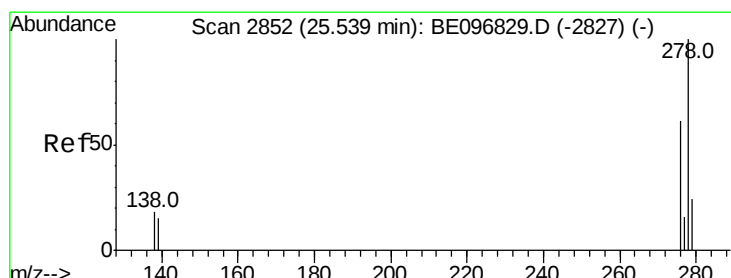
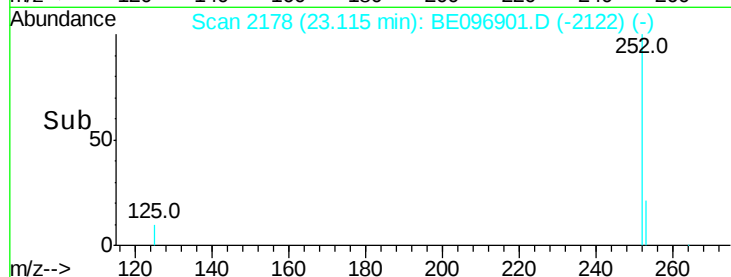
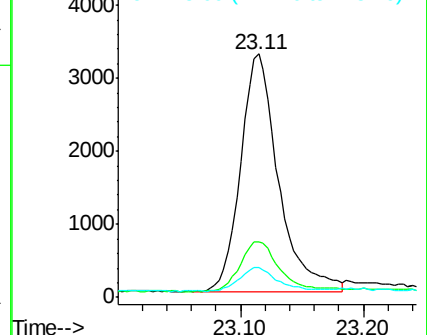
125 12.3 12.0 18.0



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: 0.385 ng

RT: 25.53 min Scan# 2852

Delta R.T. 0.00 min

Lab File: BE096901.D

Acq: 13 Jul 2018 11:42

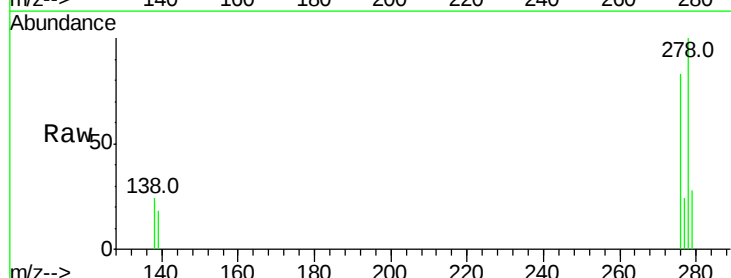
Tgt Ion:278 Resp: 6102

Ion Ratio Lower Upper

278 100

139 18.1 16.0 24.0

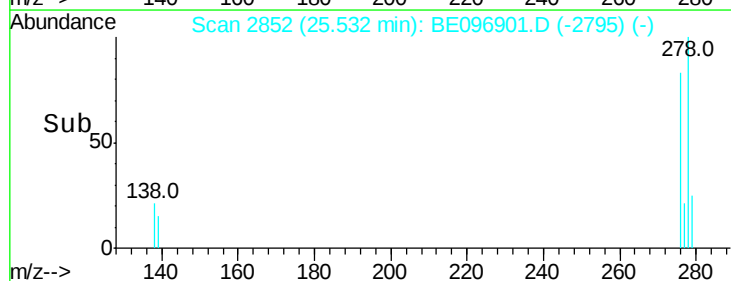
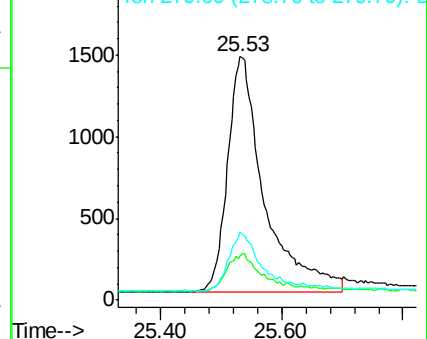
279 28.0 20.0 30.0



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.371 ng

RT: 26.21 min Scan# 3041

Delta R.T. -0.00 min

Lab File: BE096901.D

Acq: 13 Jul 2018 11:42

Instrument :

BNA_E

ClientSampleId :

PB111075BSD

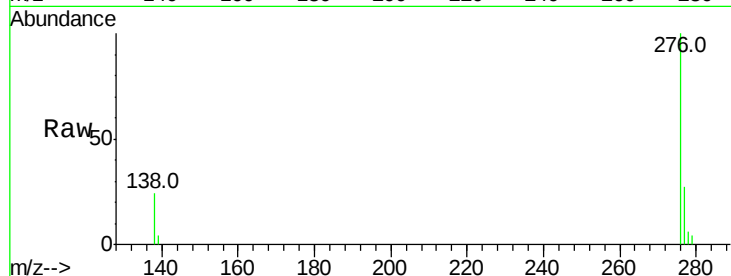
Tot Ion:276 Resp: 6787

Ion Ratio Lower Upper

276 100

277 26.6 16.0 24.0#

138 24.1 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

