

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051618\
 Data File : BE096587.D
 Acq On : 16 May 2018 8:41
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 17 03:52:35 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE051518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 15 13:02:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.34	152	682	0.40	ng	0.00
7) Naphthalene-d8	11.18	136	2797	0.40	ng	0.00
13) Acenaphthene-d10	14.92	164	1640	0.40	ng	0.00
19) Phenanthrene-d10	17.64	188	3658	0.40	ng	0.00
27) Chrysene-d12	21.73	240	3484	0.40	ng	0.00
34) Perylene-d12	24.33	264	3209	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.85	112	794	0.42	ng	0.00
5) Phenol-d6	7.50	99	1088	0.41	ng	0.00
8) Nitrobenzene-d5	9.44	82	122	0.04	ng	-0.09
11) 2-Methylnaphthalene-d10	12.72	152	1866	0.41	ng	0.00
14) 2,4,6-Tribromophenol	16.40	330	262	0.40	ng	0.00
15) 2-Fluorobiphenyl	13.56	172	2913	0.41	ng	0.00
25) Fluoranthene-d10	19.62	212	18314	0.41	ng	0.00
29) Terphenyl-d14	20.18	244	3331	0.42	ng	0.00

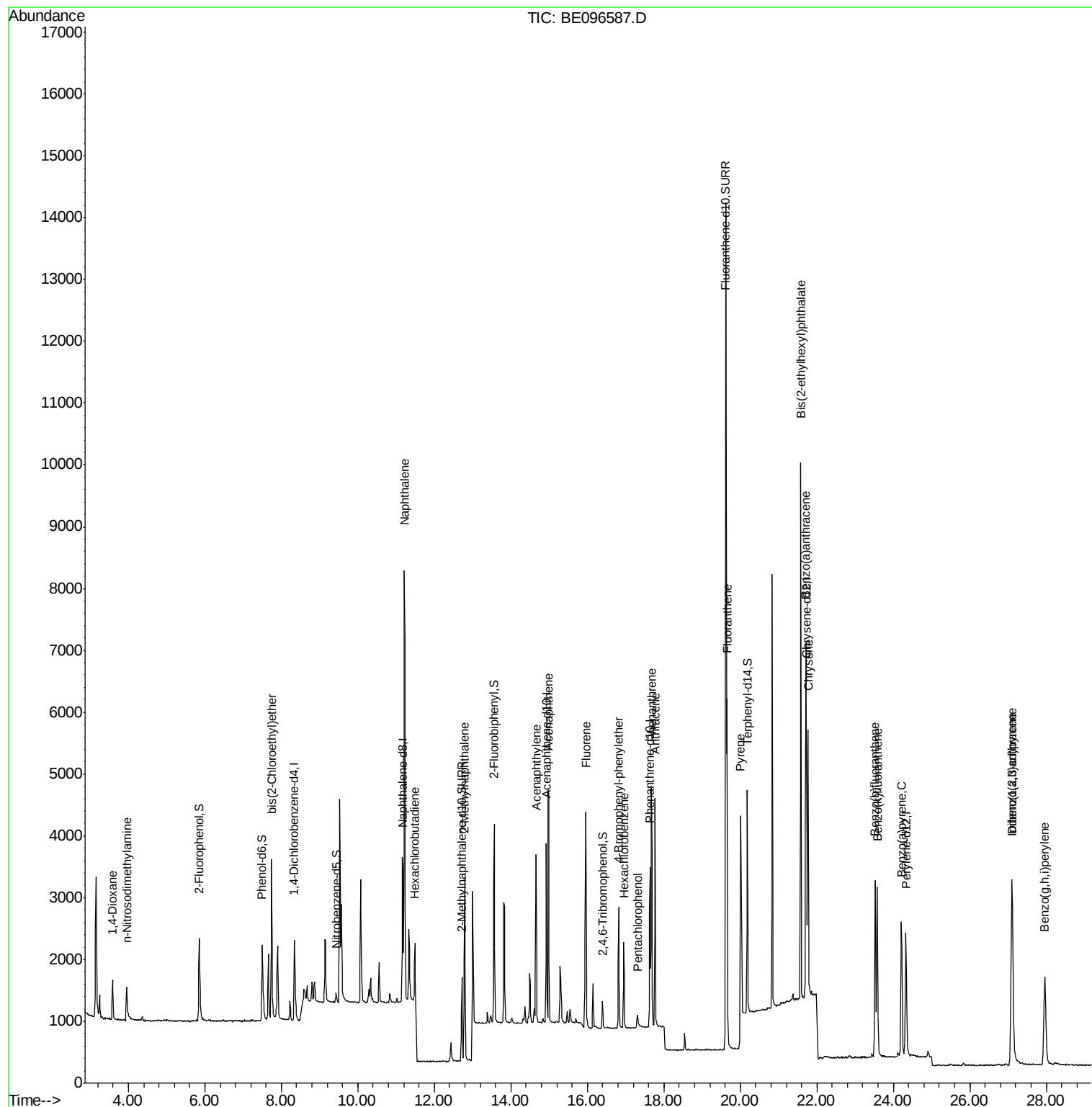
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.58	88	399	0.390	ng	88
3) n-Nitrosodimethylamine	3.95	42	505	0.395	ng	# 75
6) bis(2-Chloroethyl)ether	7.75	93	1024	0.411	ng	94
9) Naphthalene	11.22	128	12294	0.418	ng	99
10) Hexachlorobutadiene	11.49	225	618	0.376	ng	93
12) 2-Methylnaphthalene	12.79	142	2067	0.410	ng	# 94
16) Acenaphthylene	14.66	152	3440	0.402	ng	99
17) Acenaphthene	14.99	154	2084	0.399	ng	90
18) Fluorene	15.96	166	2649	0.408	ng	# 62
20) 4-Bromophenyl-phenylether	16.82	248	921	0.415	ng	# 80
21) Hexachlorobenzene	16.95	284	979	0.423	ng	# 80
22) Pentachlorophenol	17.31	266	162	0.400	ng	85
23) Phenanthrene	17.67	178	4206	0.409	ng	98
24) Anthracene	17.77	178	3860	0.404	ng	# 95
26) Fluoranthene	19.65	202	4971	0.405	ng	# 97
28) Pyrene	20.00	202	2668	0.424	ng	96
30) Benzo(a)anthracene	21.72	228	4418	0.413	ng	96
31) Chrysene	21.78	228	4583	0.411	ng	99
32) Bis(2-ethylhexyl)phthalate	21.58	149	9396	0.410	ng	100
33) Indeno(1,2,3-cd)pyrene	27.09	276	4414	0.413	ng	# 93
35) Benzo(b)fluoranthene	23.52	252	4074	0.412	ng	# 91
36) Benzo(k)fluoranthene	23.58	252	4247	0.405	ng	# 92
37) Benzo(a)pyrene	24.21	252	3897	0.412	ng	# 92
38) Dibenzo(a,h)anthracene	27.11	278	3561	0.412	ng	97
39) Benzo(g,h,i)perylene	27.96	276	3761	0.415	ng	# 92

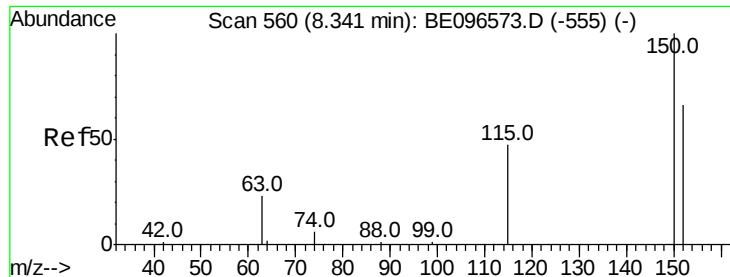
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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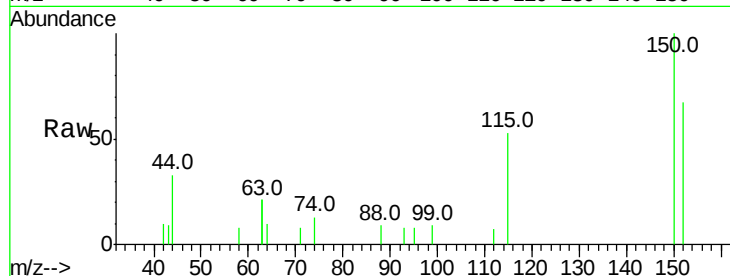


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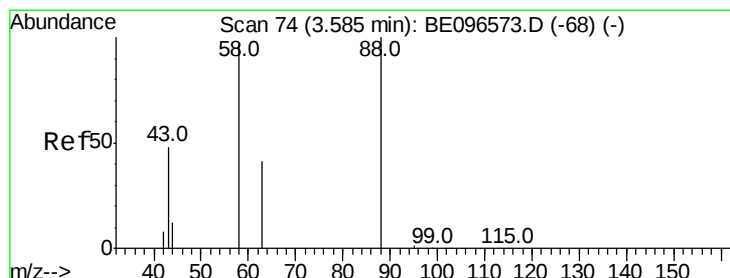
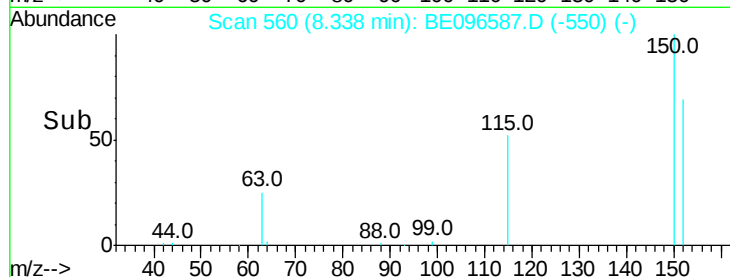
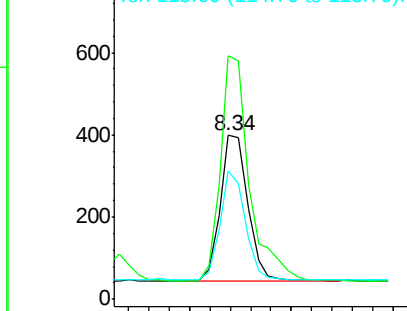
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.34 min Scan# 560
Delta R.T. -0.00 min
Lab File: BE096587.D
Acq: 16 May 2018 8:41

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 682
Ion Ratio Lower Upper
152 100
150 148.7 117.2 175.8
115 78.4 57.0 85.6



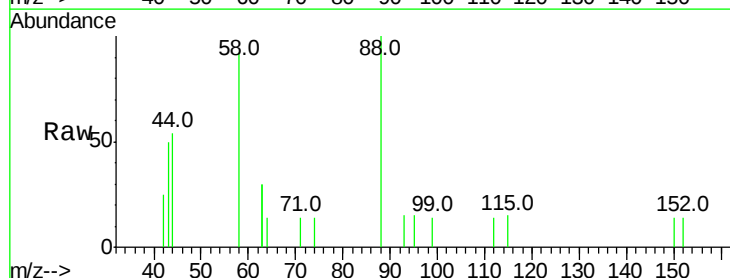
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



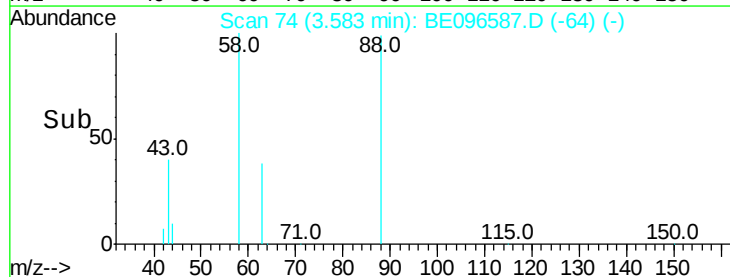
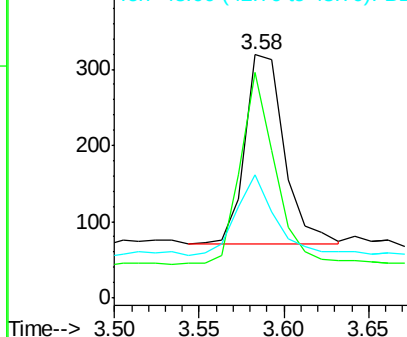
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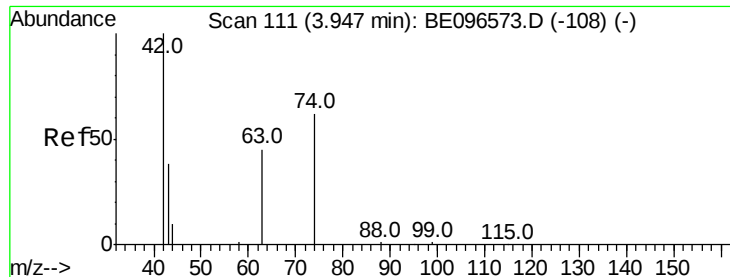
1,4-Dioxane
Concen: 0.390 ng
RT: 3.58 min Scan# 74
Delta R.T. -0.00 min
Lab File: BE096587.D
Acq: 16 May 2018 8:41

Tgt Ion: 88 Resp: 399
Ion Ratio Lower Upper
88 100
58 89.5 63.2 94.8
43 42.4 41.2 61.8



Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0

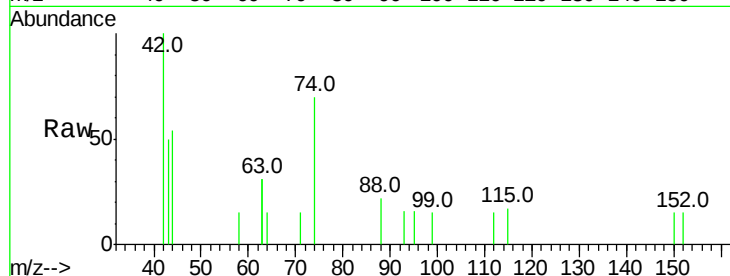




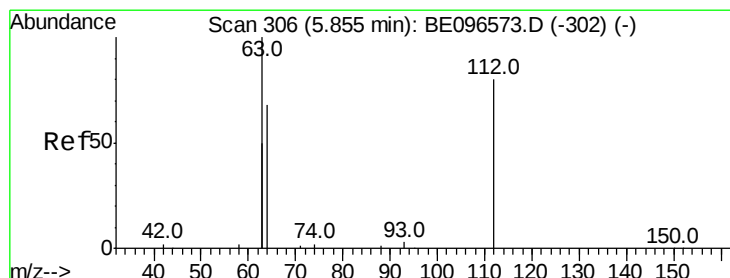
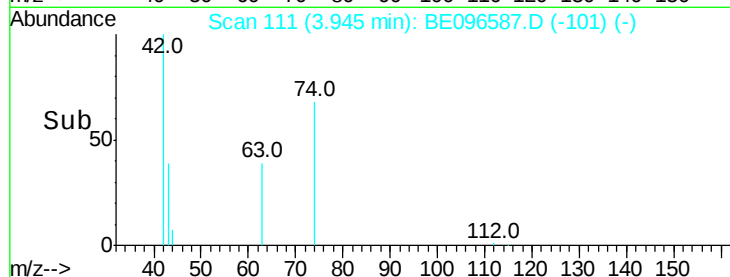
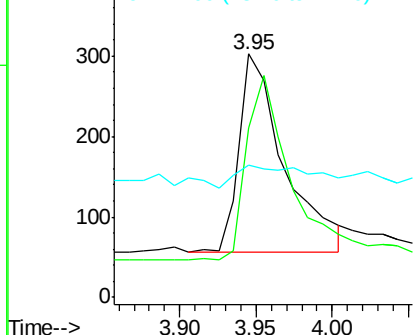
#3
 n-Nitrosodimethylamine
 Concen: 0.395 ng
 RT: 3.95 min Scan# 111
 Delta R.T. -0.00 min
 Lab File: BE096587.D
 Acq: 16 May 2018 8:41

Instrument :
 BNA_E
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
42	100		
74	90.7	96.0	144.0#
44	19.2	12.0	18.0#

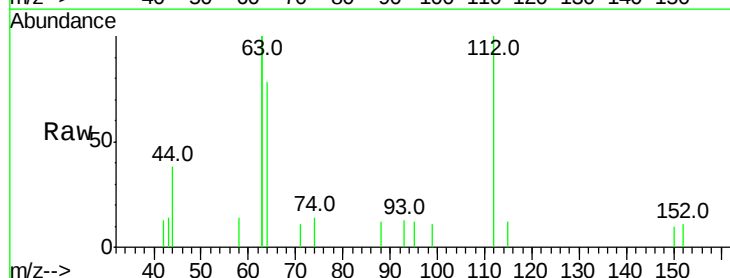


Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0

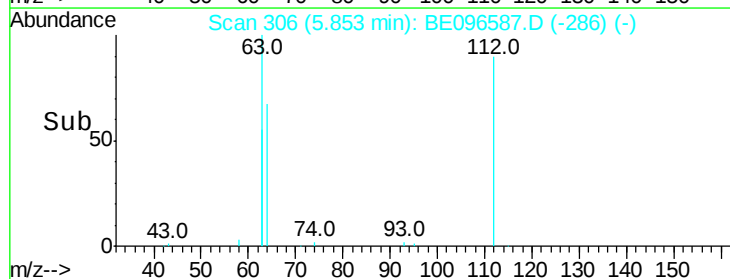
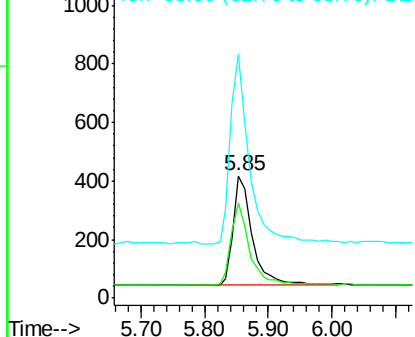


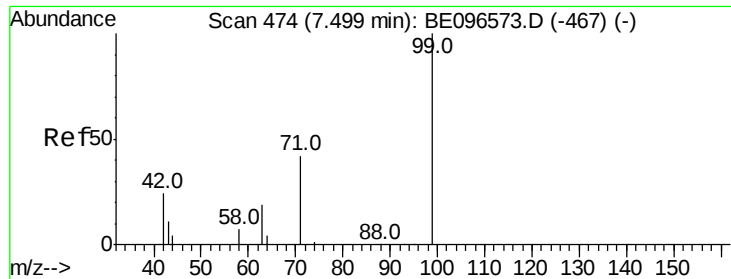
#4
 2-Fluorophenol
 Concen: 0.422 ng
 RT: 5.85 min Scan# 306
 Delta R.T. -0.00 min
 Lab File: BE096587.D
 Acq: 16 May 2018 8:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.8	60.1	90.1
63	169.0	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: 0.409 ng

RT: 7.50 min Scan# 474

Delta R.T. -0.00 min

Lab File: BE096587.D

Acq: 16 May 2018 8:41

Instrument :

BNA_E

ClientSampleId :

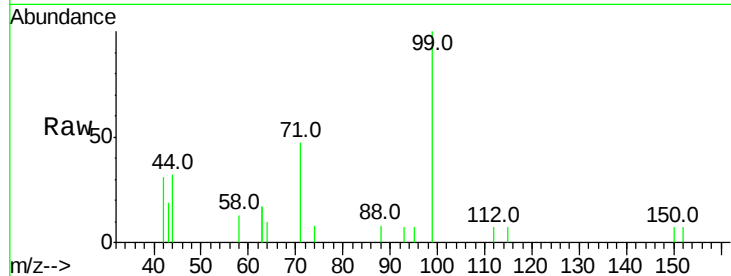
Tot Ion: 99 Resp: 1088

Ion Ratio Lower Upper

99 100

42 28.7 20.2 30.2

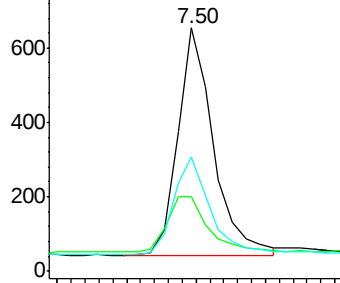
71 44.6 28.4 42.6#



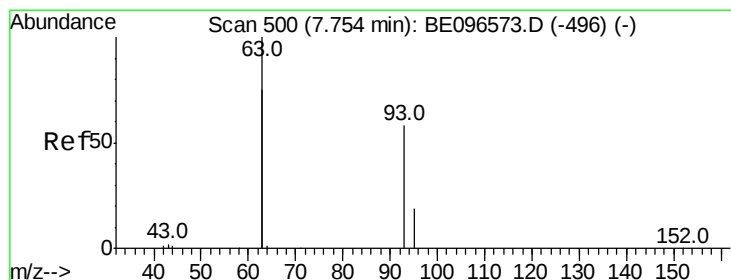
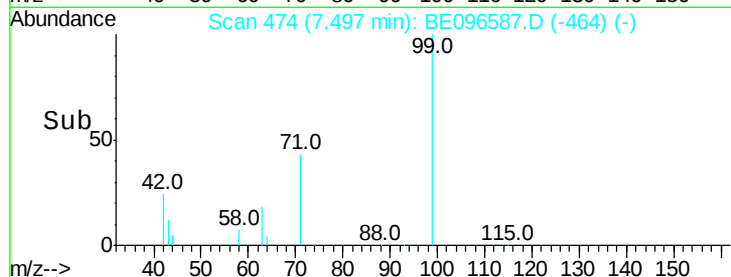
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.411 ng

RT: 7.75 min Scan# 500

Delta R.T. -0.00 min

Lab File: BE096587.D

Acq: 16 May 2018 8:41

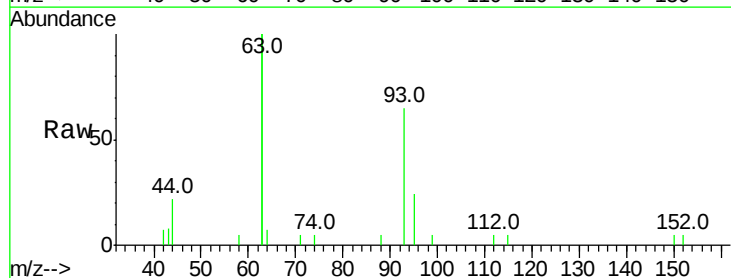
Tgt Ion: 93 Resp: 1024

Ion Ratio Lower Upper

93 100

63 330.8 275.3 412.9

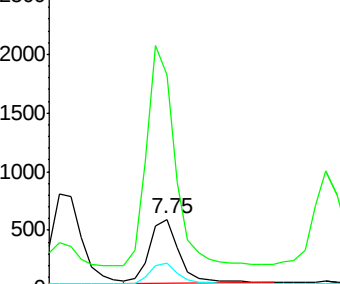
95 31.5 25.2 37.8



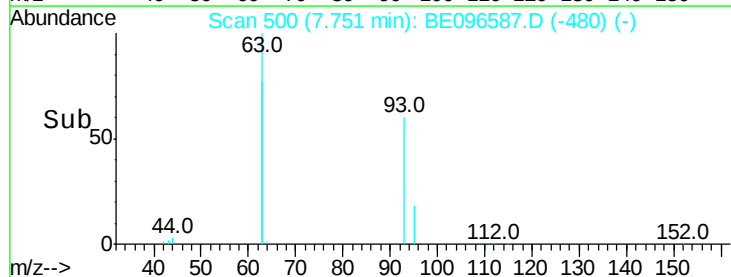
Abundance Ion 93.00 (92.70 to 93.70): BE0

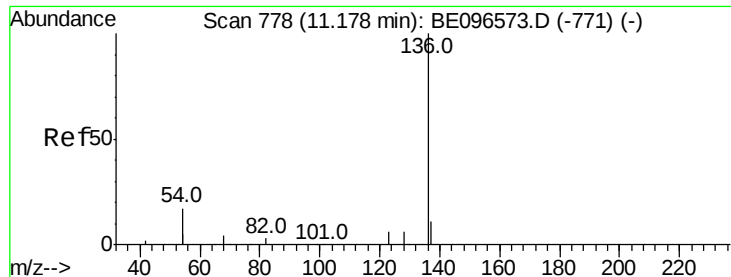
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.18 min Scan# 778

Delta R.T. -0.00 min

Lab File: BE096587.D

Acq: 16 May 2018 8:41

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 2797

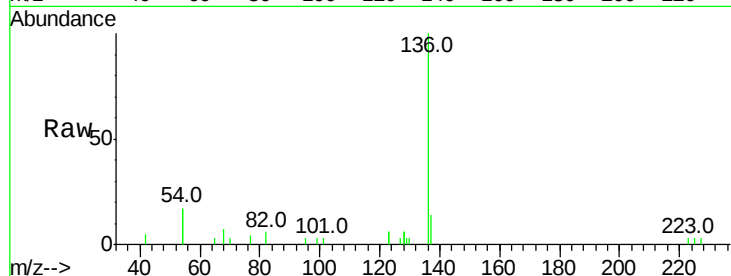
Ion Ratio Lower Upper

136 100

137 13.6 9.5 14.3

54 33.6 29.1 43.7

68 7.4 6.2 9.2

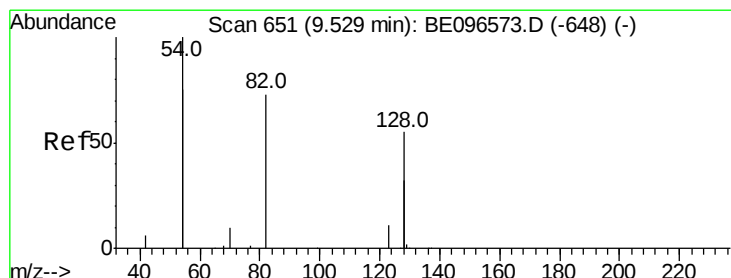
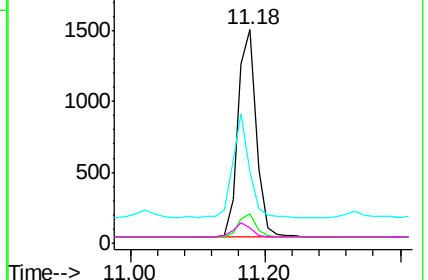
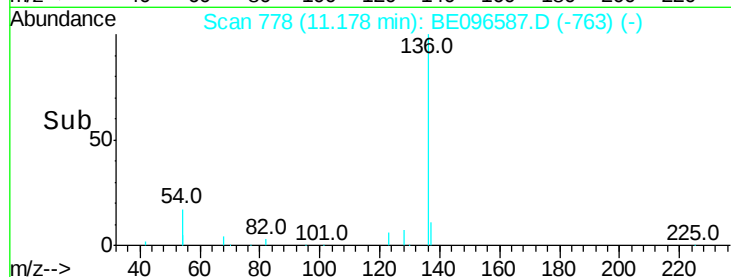


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.041 ng

RT: 9.44 min Scan# 644

Delta R.T. -0.09 min

Lab File: BE096587.D

Acq: 16 May 2018 8:41

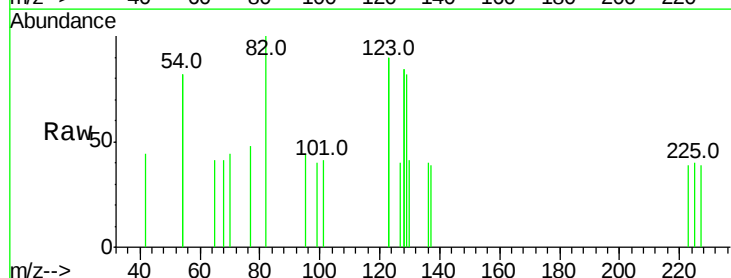
Tgt Ion: 82 Resp: 122

Ion Ratio Lower Upper

82 100

128 167.6 150.0 225.0

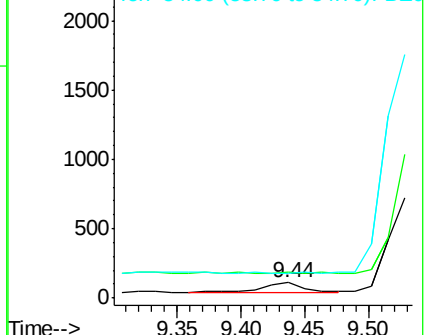
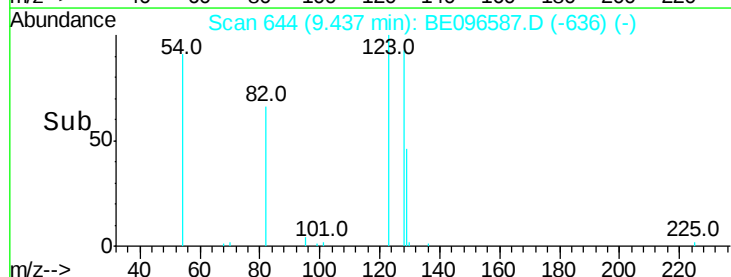
54 164.0 154.2 231.4

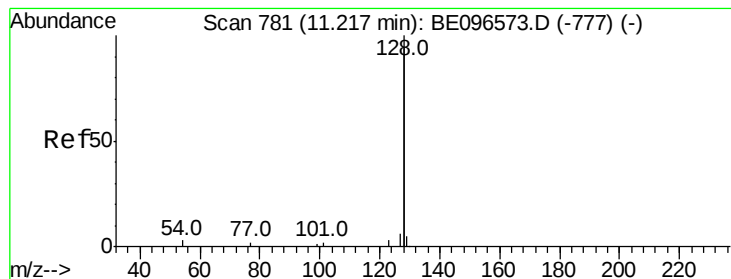


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.418 ng

RT: 11.22 min Scan# 781

Delta R.T. -0.00 min

Lab File: BE096587.D

Acq: 16 May 2018 8:41

Instrument :

BNA_E

ClientSampleId :

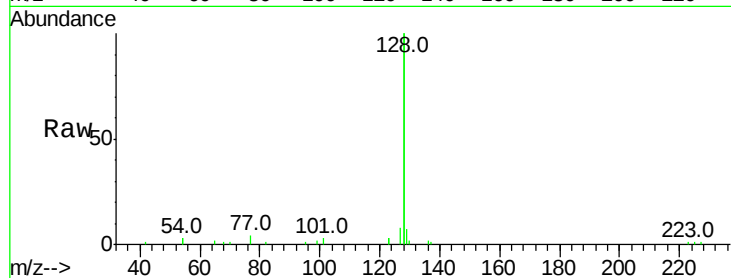
Tot Ion:128 Resp: 12294

Ion Ratio Lower Upper

128 100

129 3.3 2.6 3.8

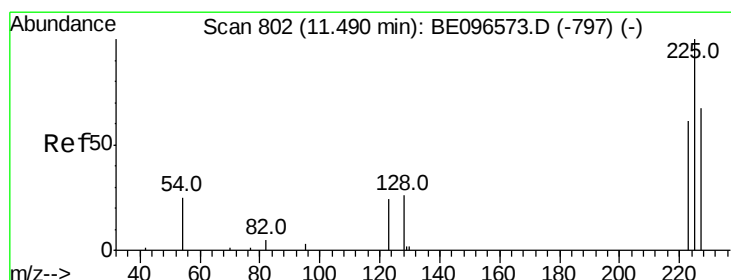
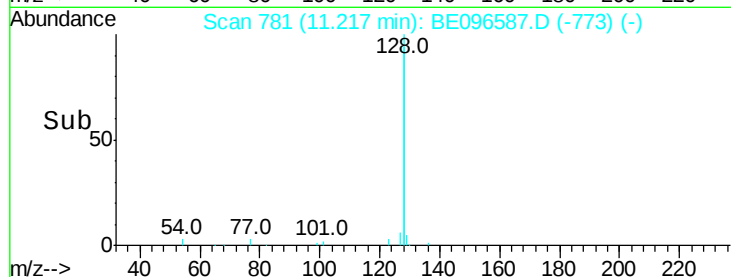
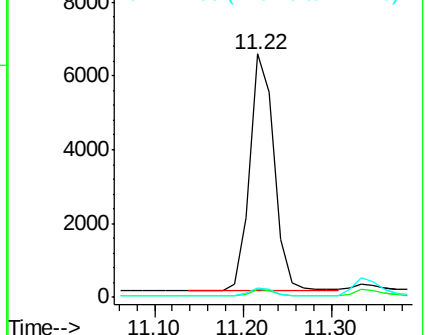
127 3.8 2.8 4.2



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: 0.376 ng

RT: 11.49 min Scan# 802

Delta R.T. -0.00 min

Lab File: BE096587.D

Acq: 16 May 2018 8:41

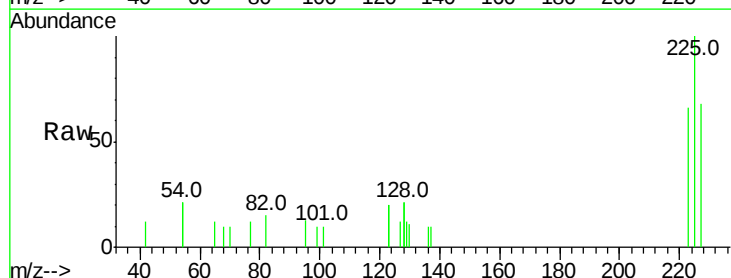
Tgt Ion:225 Resp: 618

Ion Ratio Lower Upper

225 100

223 63.9 53.0 79.6

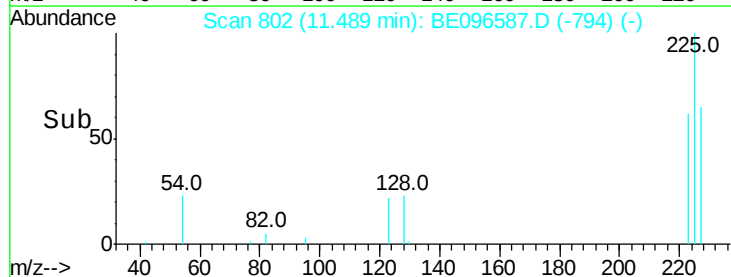
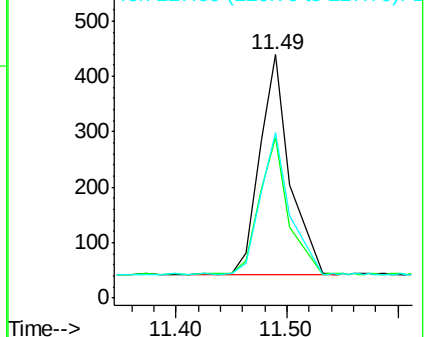
227 73.1 51.4 77.2

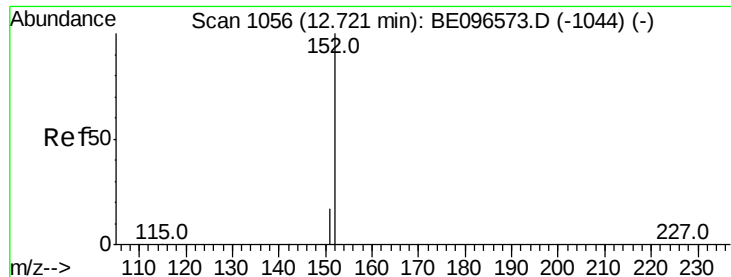


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

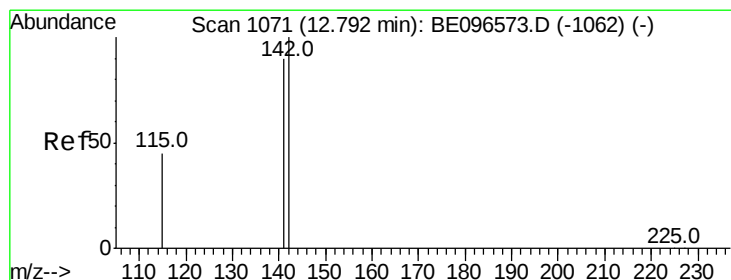
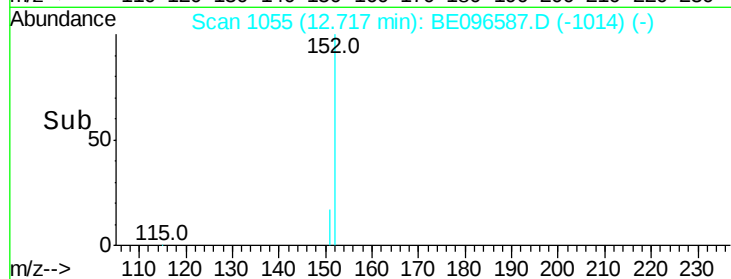
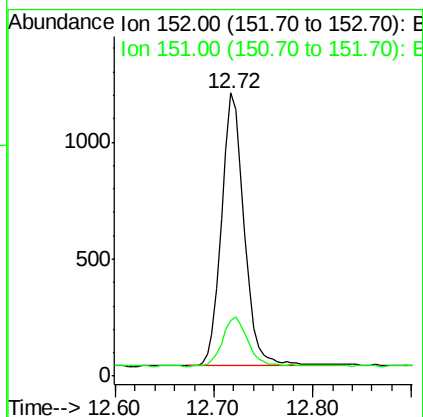
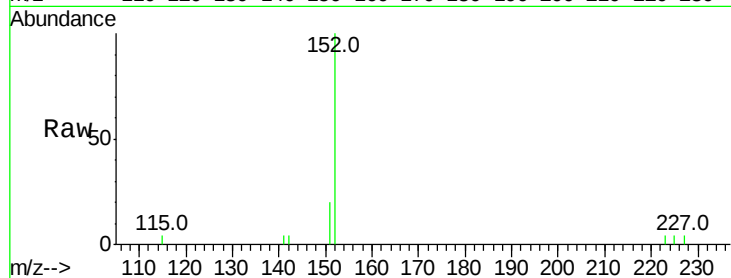




#11
 2-Methylnaphthalene-d10
 Concen: 0.408 ng
 RT: 12.72 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: BE096587.D
 Acq: 16 May 2018 8:41

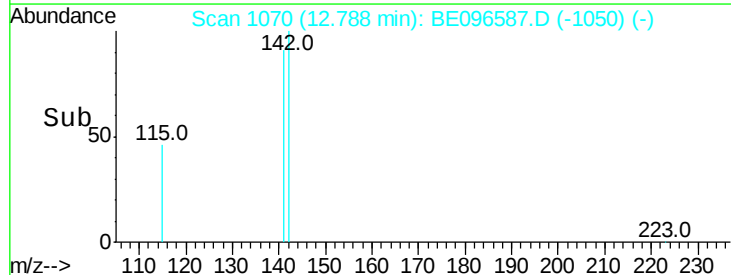
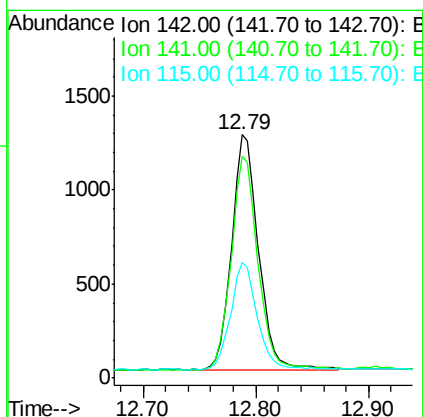
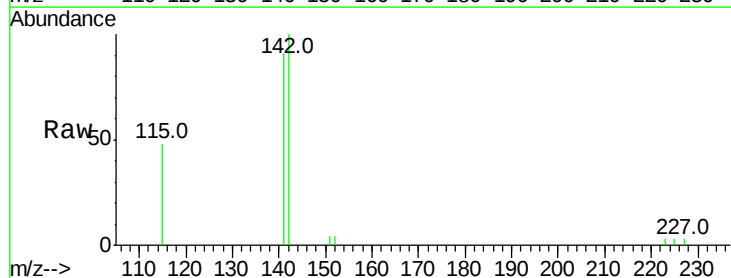
Instrument :
 BNA_E
 ClientSampleId :

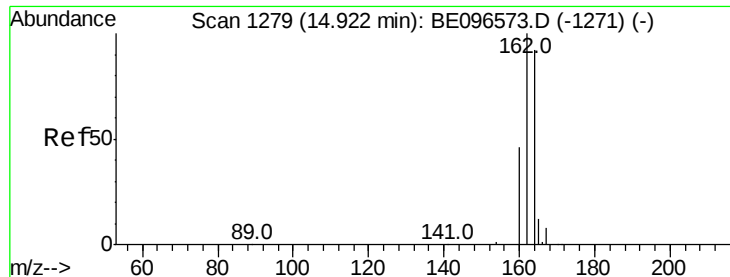
Tot Ion:152 Resp: 1866
 Ion Ratio Lower Upper
 152 100
 151 19.7 15.4 23.0



#12
 2-Methylnaphthalene
 Concen: 0.410 ng
 RT: 12.79 min Scan# 1070
 Delta R.T. -0.00 min
 Lab File: BE096587.D
 Acq: 16 May 2018 8:41

Tgt Ion:142 Resp: 2067
 Ion Ratio Lower Upper
 142 100
 141 91.2 70.4 105.6
 115 47.6 31.7 47.5#

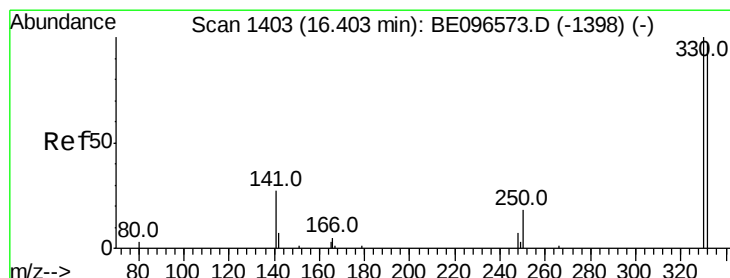
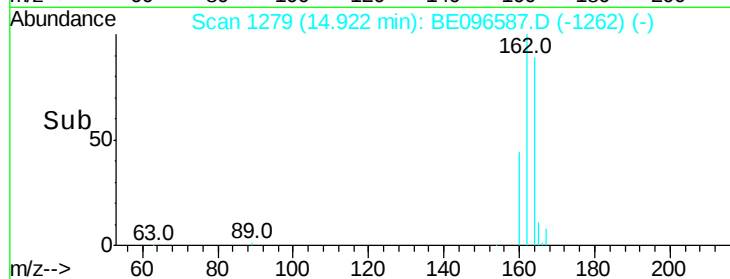
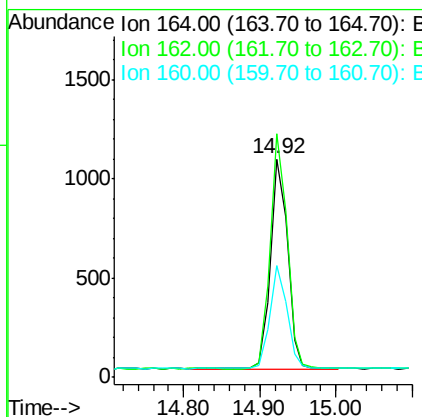
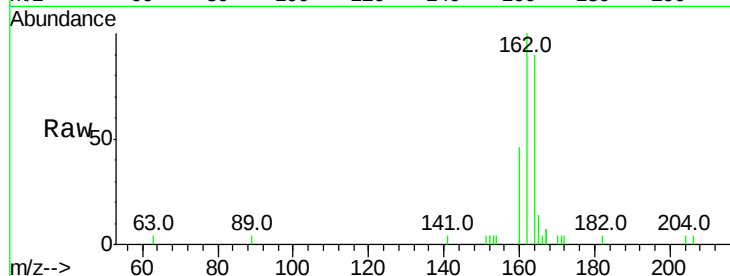




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.92 min Scan# 1279
 Delta R.T. -0.00 min
 Lab File: BE096587.D
 Acq: 16 May 2018 8:41

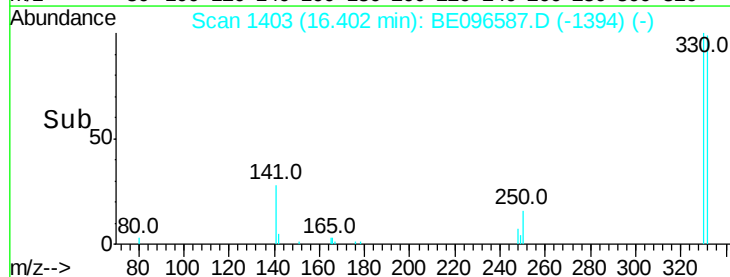
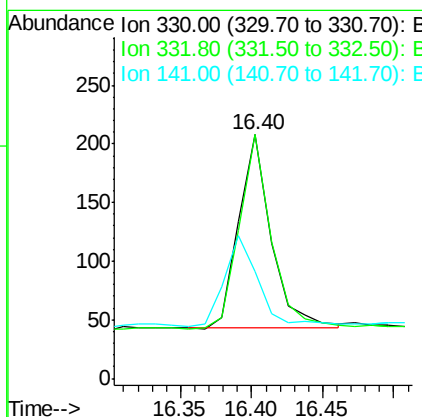
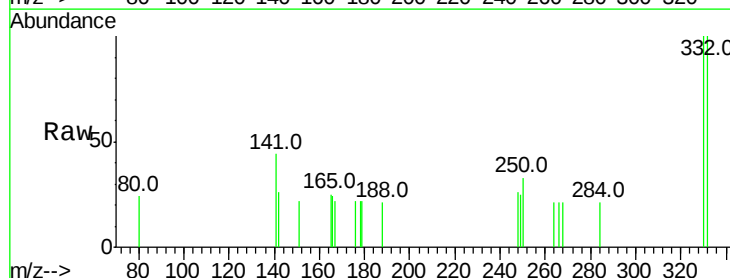
Instrument :
 BNA_E
 ClientSampleId :

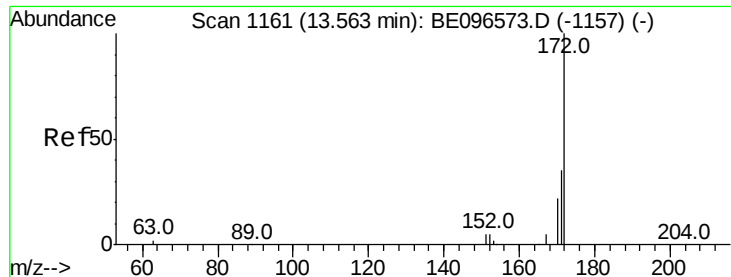
Tot Ion:164 Resp: 1640
 Ion Ratio Lower Upper
 164 100
 162 111.5 83.1 124.7
 160 51.3 37.1 55.7



#14
 2,4,6-Tribromophenol
 Concen: 0.404 ng
 RT: 16.40 min Scan# 1403
 Delta R.T. 0.00 min
 Lab File: BE096587.D
 Acq: 16 May 2018 8:41

Tgt Ion:330 Resp: 262
 Ion Ratio Lower Upper
 330 100
 332 100.0 152.7 229.1#
 141 49.6 33.7 50.5

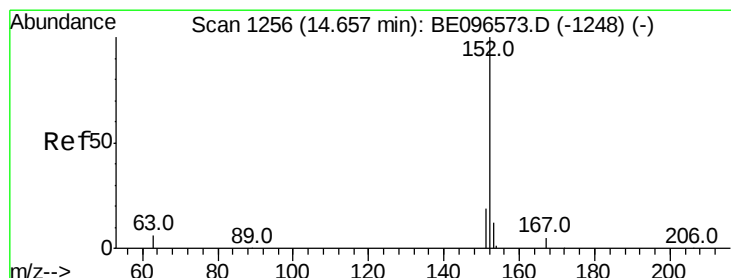
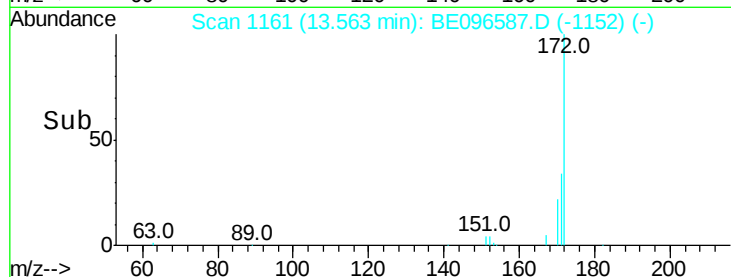
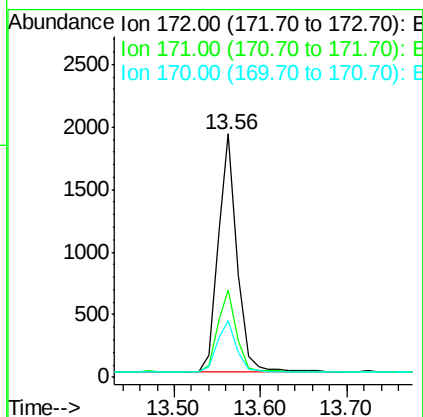
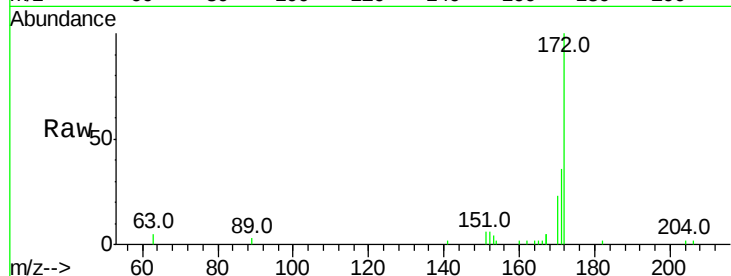




#15
 2-Fluorobiphenyl
 Concen: 0.414 ng
 RT: 13.56 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: BE096587.D
 Acq: 16 May 2018 8:41

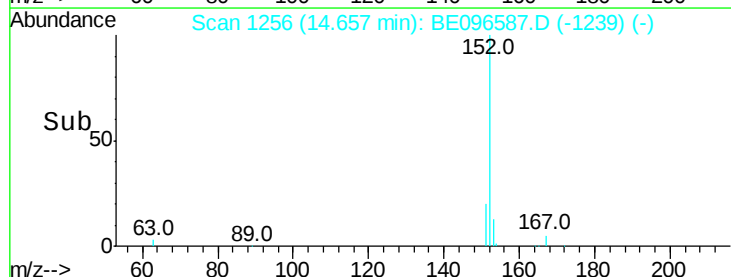
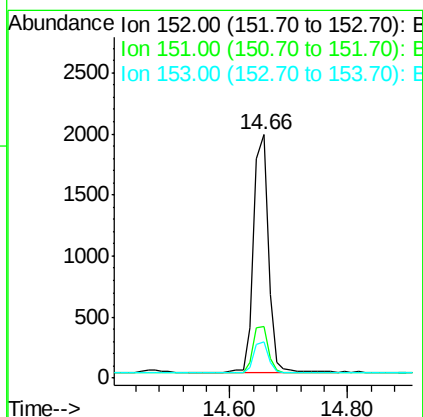
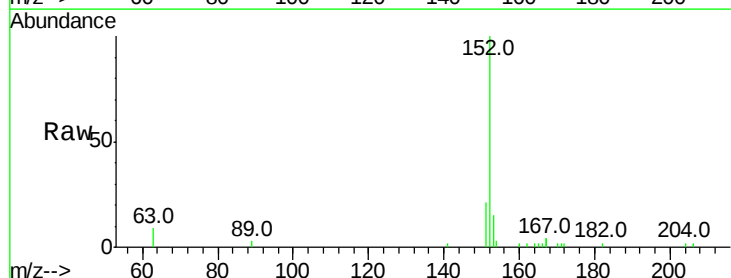
Instrument :
 BNA_E
 ClientSampleId :

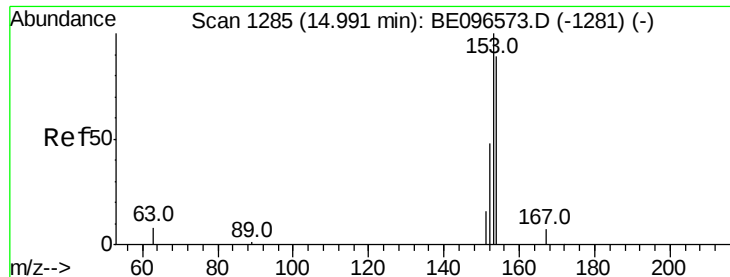
Tot Ion:172 Resp: 2913
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.9 44.9
 170 23.4 21.8 32.8



#16
 Acenaphthylene
 Concen: 0.402 ng
 RT: 14.66 min Scan# 1256
 Delta R.T. -0.00 min
 Lab File: BE096587.D
 Acq: 16 May 2018 8:41

Tgt Ion:152 Resp: 3440
 Ion Ratio Lower Upper
 152 100
 151 19.8 15.7 23.5
 153 13.4 10.5 15.7





#17

Acenaphthene

Concen: 0.399 ng

RT: 14.99 min Scan# 1285

Delta R.T. -0.00 min

Lab File: BE096587.D

Acq: 16 May 2018 8:41

Instrument :

BNA_E

ClientSampleId :

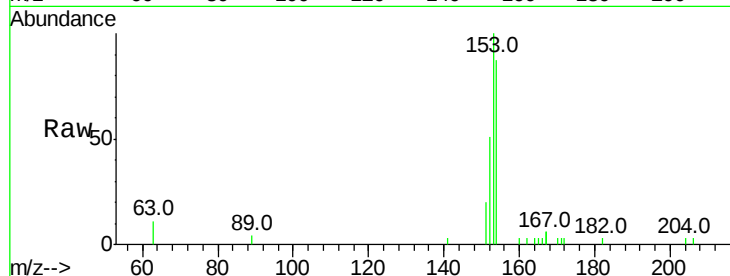
Tot Ion:154 Resp: 2084

Ion Ratio Lower Upper

154 100

153 120.9 89.2 133.8

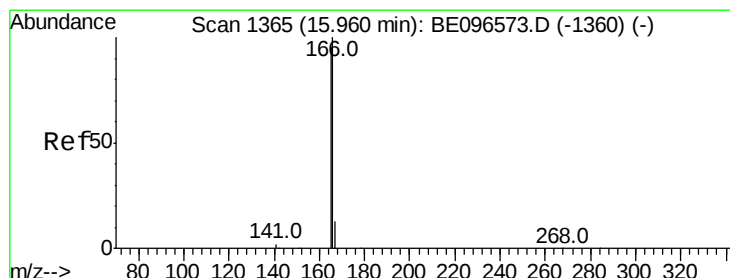
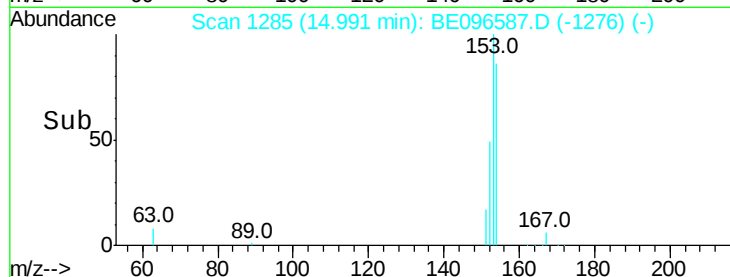
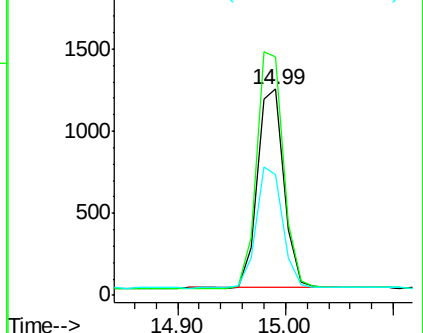
152 61.2 42.0 63.0



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: 0.408 ng

RT: 15.96 min Scan# 1365

Delta R.T. -0.00 min

Lab File: BE096587.D

Acq: 16 May 2018 8:41

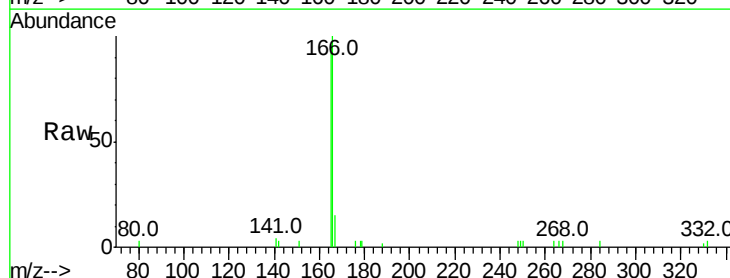
Tgt Ion:166 Resp: 2649

Ion Ratio Lower Upper

166 100

165 124.4 77.8 116.6#

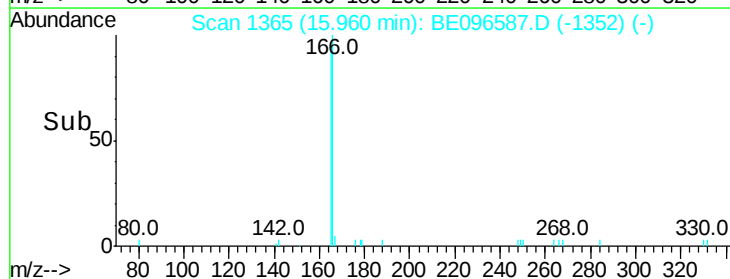
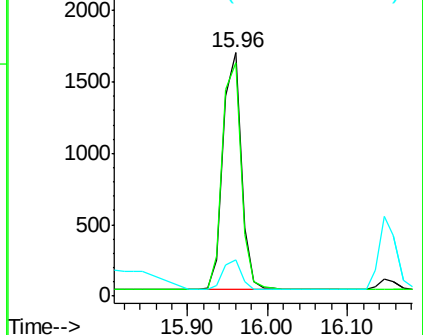
167 13.1 42.4 63.6#

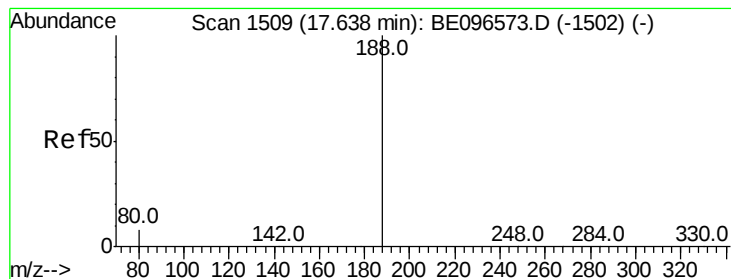


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.64 min Scan# 1509

Delta R.T. -0.00 min

Lab File: BE096587.D

Acq: 16 May 2018 8:41

Instrument :

BNA_E

ClientSampleId :

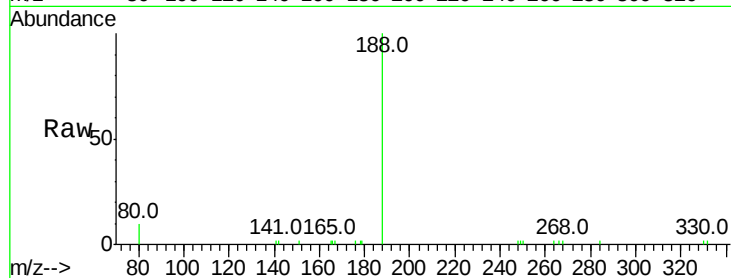
Tot Ion:188 Resp: 3658

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

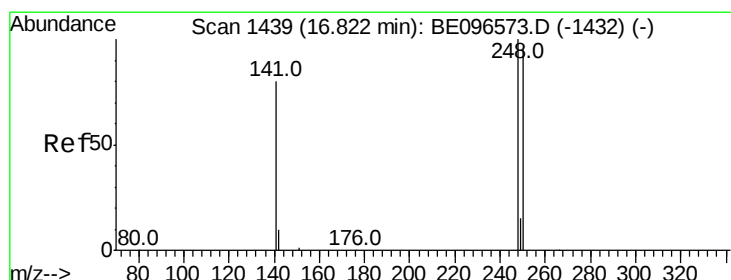
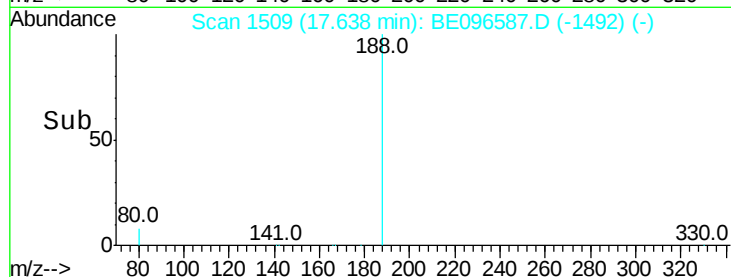
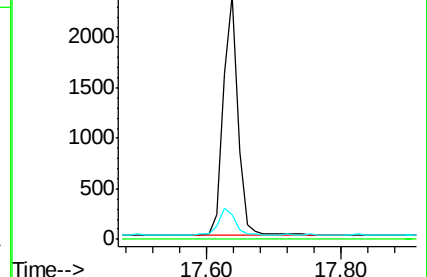
80 10.3 3.6 5.4#



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



#20

4-Bromophenyl-phenylether

Concen: 0.415 ng

RT: 16.82 min Scan# 1439

Delta R.T. -0.00 min

Lab File: BE096587.D

Acq: 16 May 2018 8:41

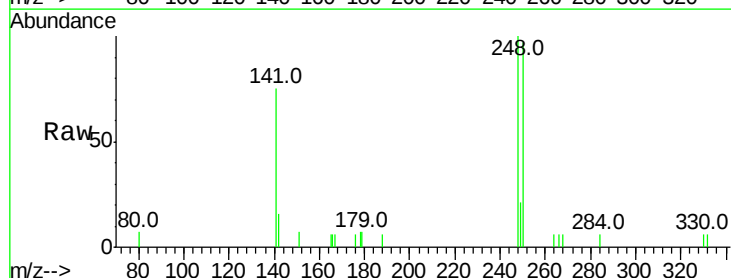
Tgt Ion:248 Resp: 921

Ion Ratio Lower Upper

248 100

250 97.0 62.7 94.1#

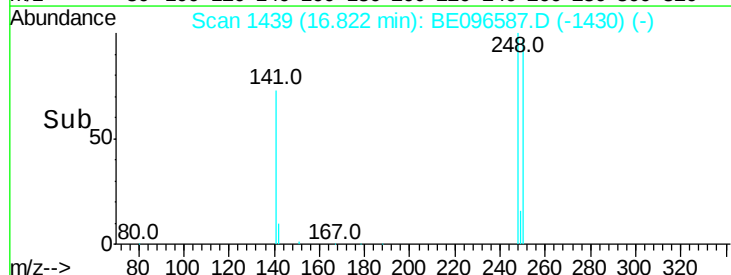
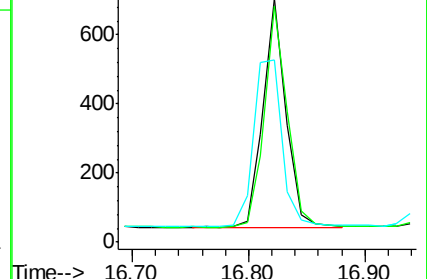
141 74.6 48.2 72.2#

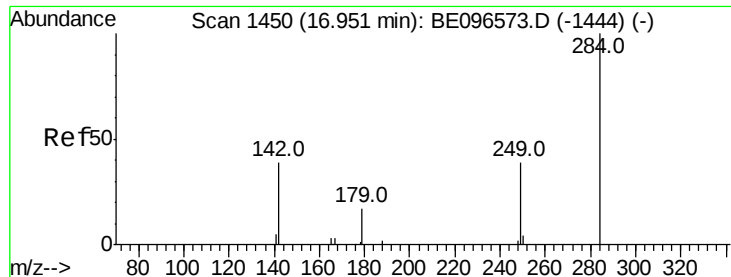


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.423 ng

RT: 16.95 min Scan# 1450

Delta R.T. -0.00 min

Lab File: BE096587.D

Acq: 16 May 2018 8:41

Instrument :

BNA_E

ClientSampleId :

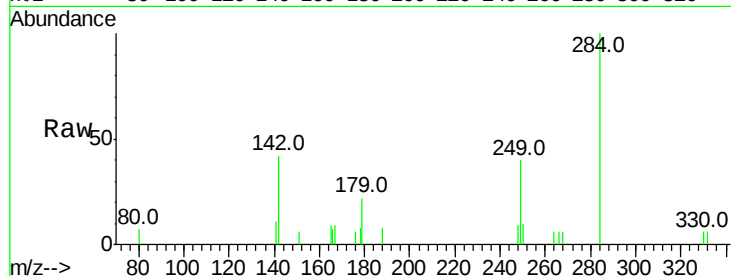
Tot Ion:284 Resp: 979

Ion Ratio Lower Upper

284 100

142 43.8 22.1 33.1#

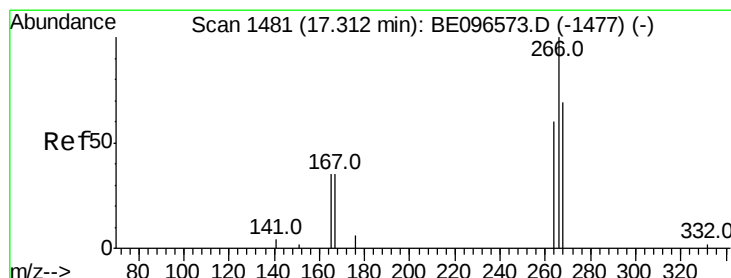
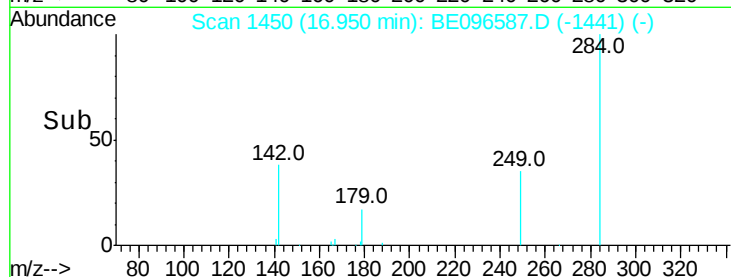
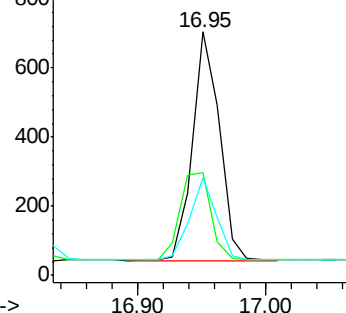
249 34.9 34.8 52.2



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: 0.400 ng

RT: 17.31 min Scan# 1481

Delta R.T. 0.00 min

Lab File: BE096587.D

Acq: 16 May 2018 8:41

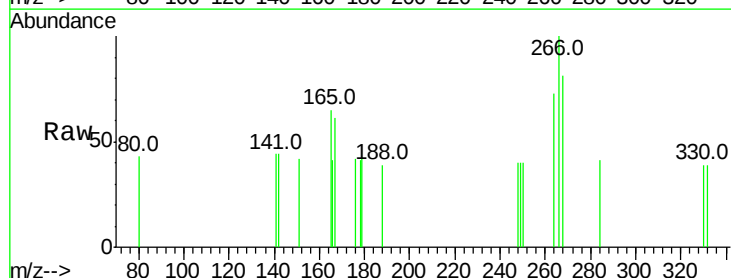
Tgt Ion:266 Resp: 162

Ion Ratio Lower Upper

266 100

264 73.4 72.5 108.7

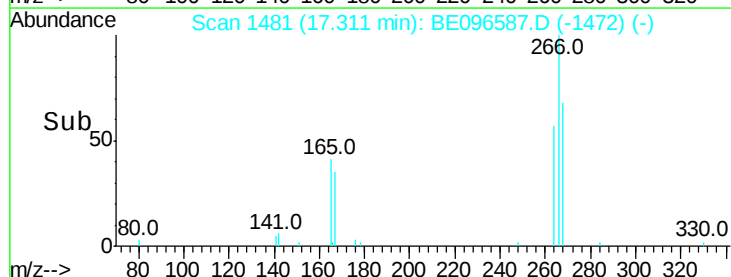
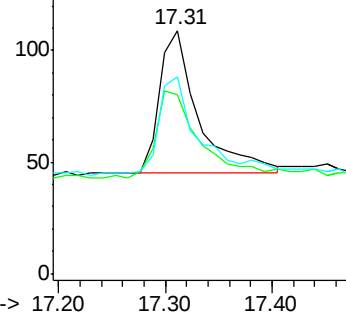
268 80.7 73.8 110.6

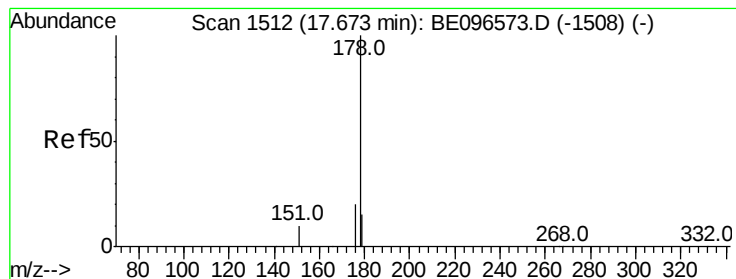


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.409 ng

RT: 17.67 min Scan# 1512

Delta R.T. -0.00 min

Lab File: BE096587.D

Acq: 16 May 2018 8:41

Instrument :

BNA_E

ClientSampleId :

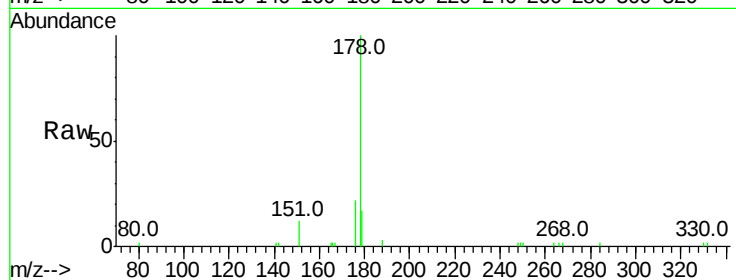
Tot Ion:178 Resp: 4206

Ion Ratio Lower Upper

178 100

176 19.8 15.1 22.7

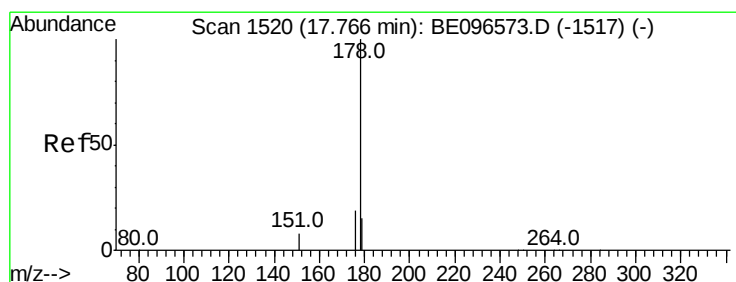
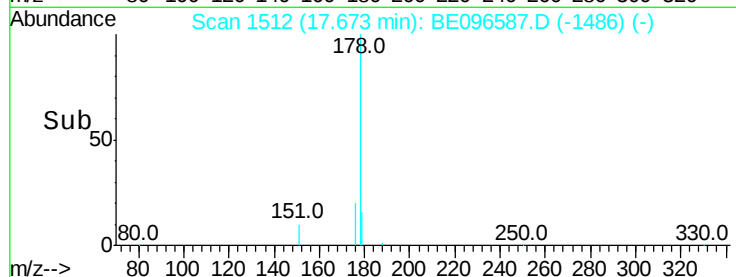
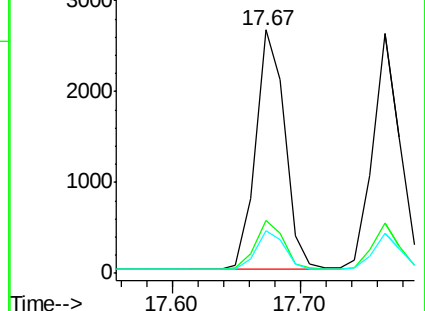
179 15.5 11.8 17.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.404 ng

RT: 17.77 min Scan# 1520

Delta R.T. -0.00 min

Lab File: BE096587.D

Acq: 16 May 2018 8:41

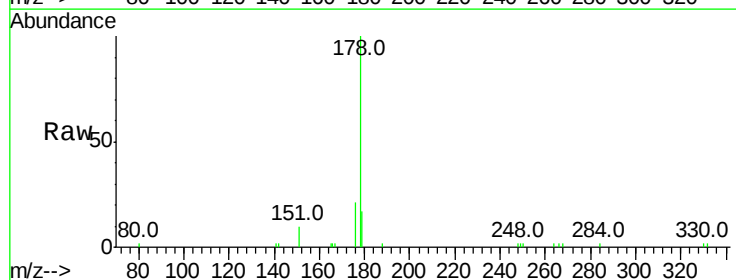
Tgt Ion:178 Resp: 3860

Ion Ratio Lower Upper

178 100

176 19.4 12.8 19.2#

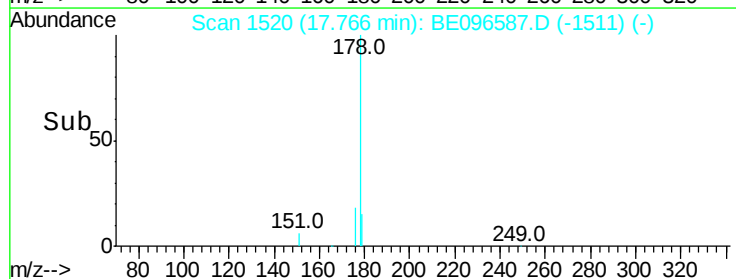
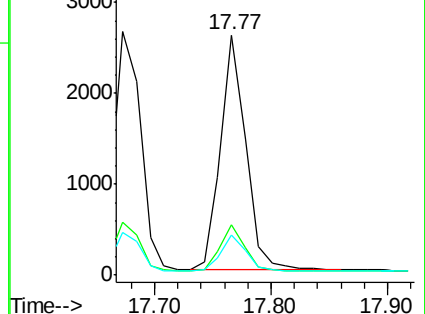
179 15.0 13.0 19.6

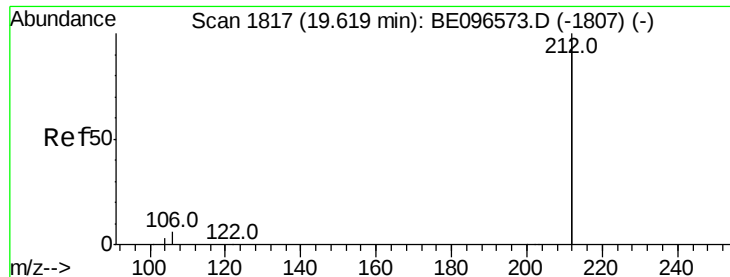


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.410 ng

RT: 19.62 min Scan# 1817

Delta R.T. -0.00 min

Lab File: BE096587.D

Acq: 16 May 2018 8:41

Instrument :

BNA_E

ClientSampleId :

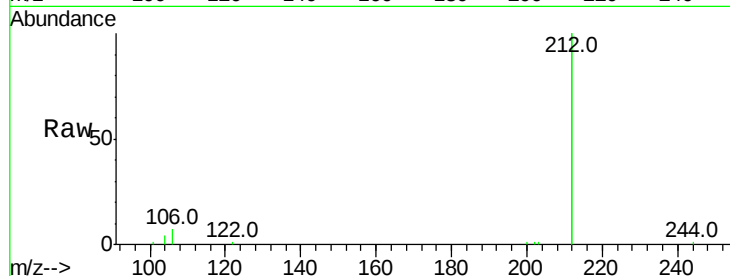
Tot Ion:212 Resp: 18314

Ion Ratio Lower Upper

212 100

106 2.8 2.8 4.2

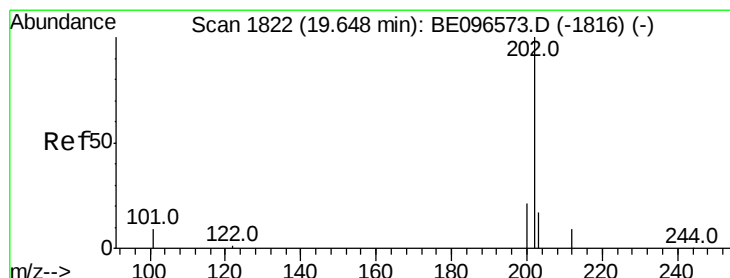
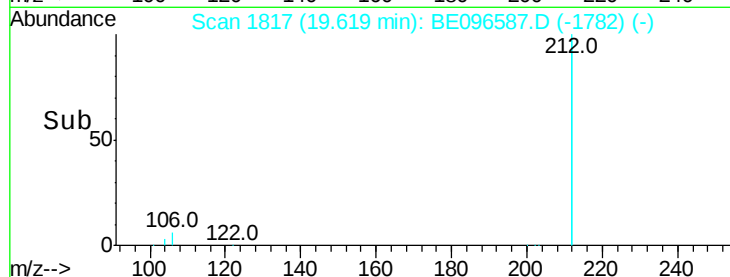
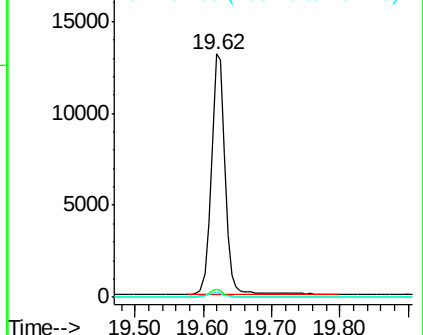
104 1.6 1.6 2.4#



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: 0.405 ng

RT: 19.65 min Scan# 1822

Delta R.T. -0.00 min

Lab File: BE096587.D

Acq: 16 May 2018 8:41

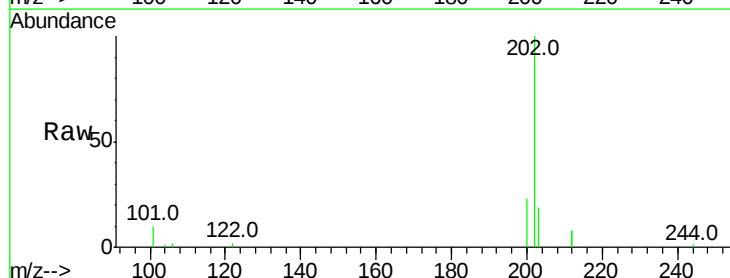
Tgt Ion:202 Resp: 4971

Ion Ratio Lower Upper

202 100

101 9.5 9.8 14.8#

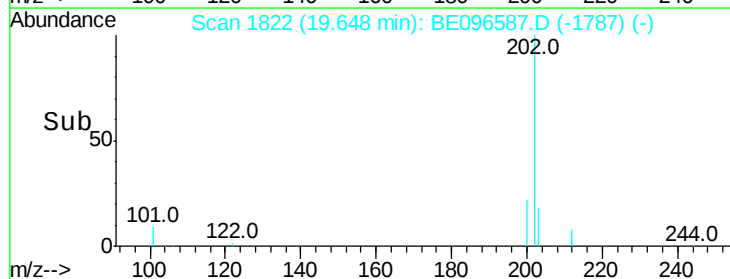
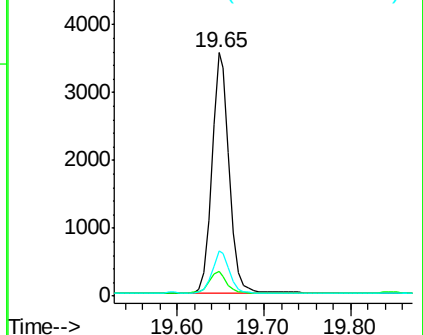
203 17.2 13.7 20.5

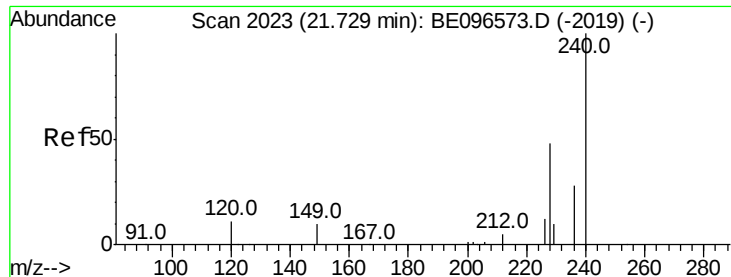


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.73 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BE096587.D

Acq: 16 May 2018 8:41

Instrument :

BNA_E

ClientSampleId :

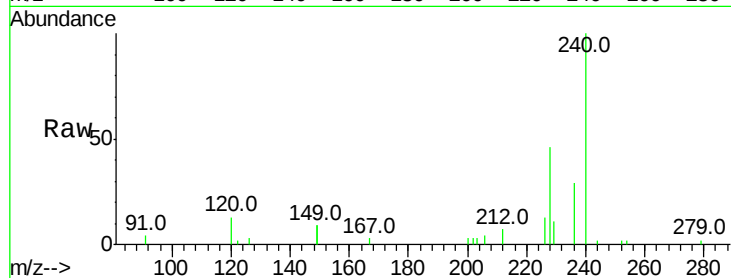
Tot Ion:240 Resp: 3484

Ion Ratio Lower Upper

240 100

120 12.9 5.5 8.3#

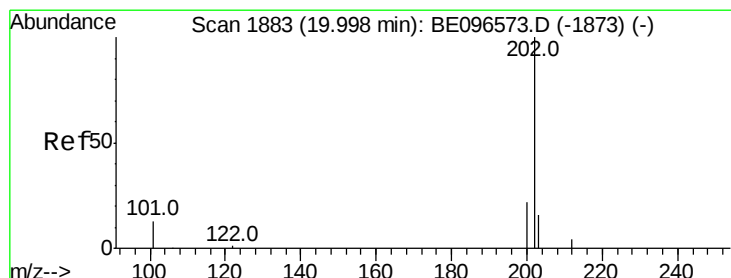
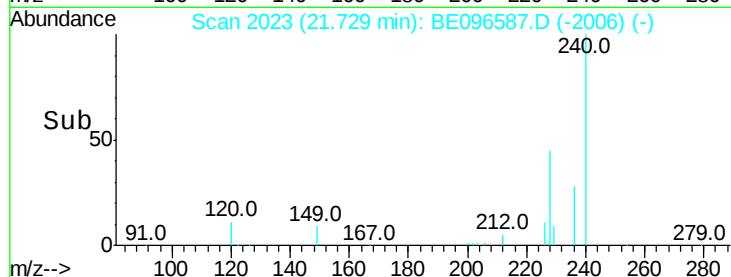
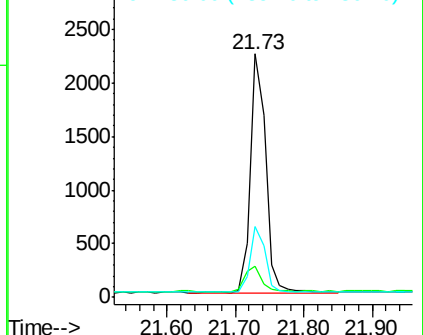
236 29.2 20.7 31.1



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: 0.424 ng

RT: 20.00 min Scan# 1883

Delta R.T. -0.00 min

Lab File: BE096587.D

Acq: 16 May 2018 8:41

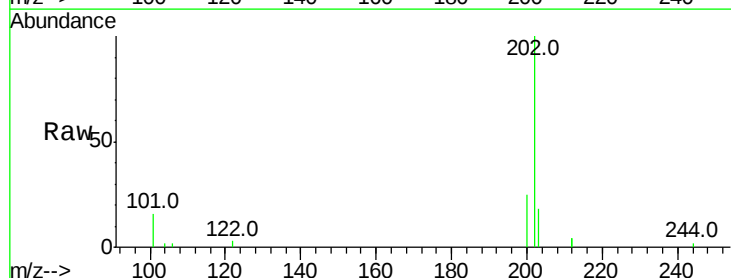
Tgt Ion:202 Resp: 2668

Ion Ratio Lower Upper

202 100

200 23.4 16.6 25.0

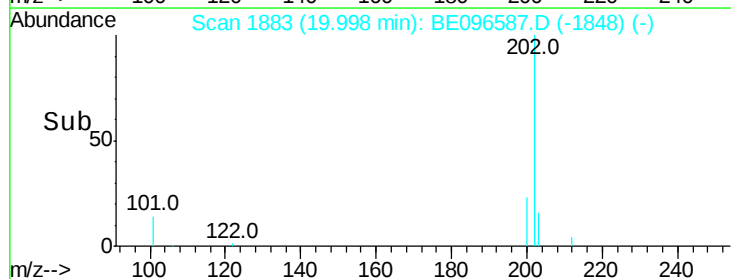
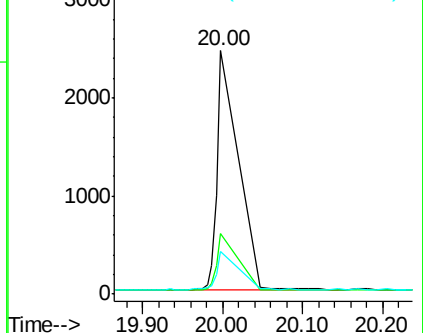
203 16.8 13.8 20.8

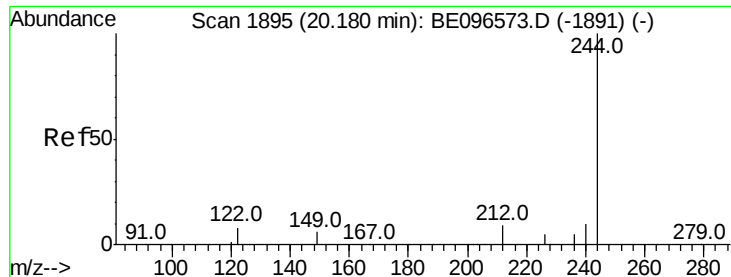


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.423 ng

RT: 20.18 min Scan# 1895

Delta R.T. -0.00 min

Lab File: BE096587.D

Acq: 16 May 2018 8:41

Instrument :

BNA_E

ClientSampleId :

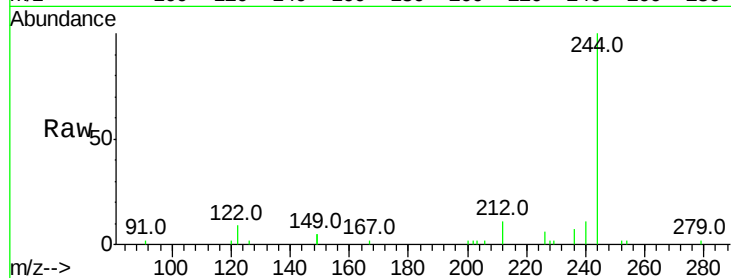
Tot Ion:244 Resp: 3331

Ion Ratio Lower Upper

244 100

212 10.7 25.4 38.0#

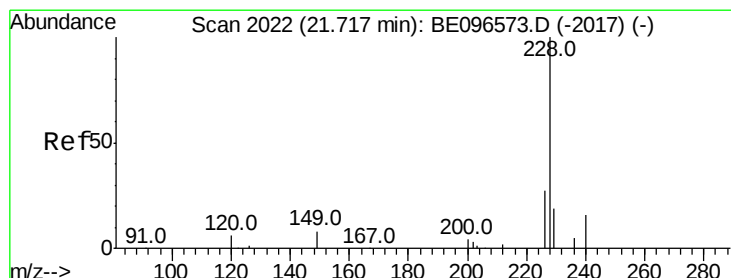
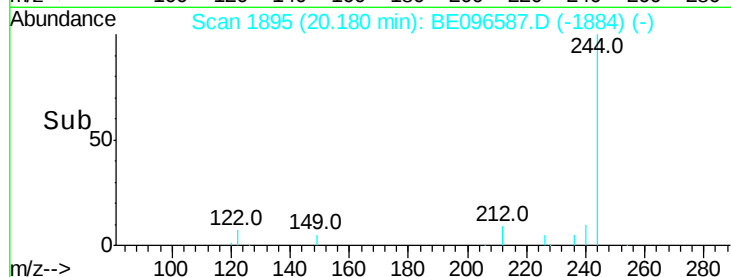
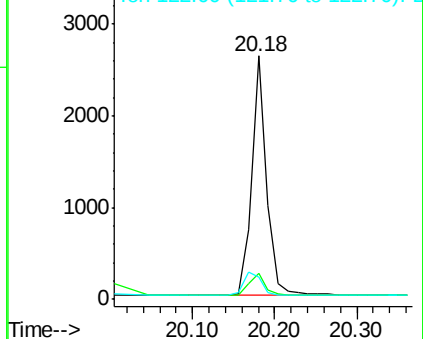
122 9.0 8.1 12.1



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: 0.413 ng

RT: 21.72 min Scan# 222

Delta R.T. -0.00 min

Lab File: BE096587.D

Acq: 16 May 2018 8:41

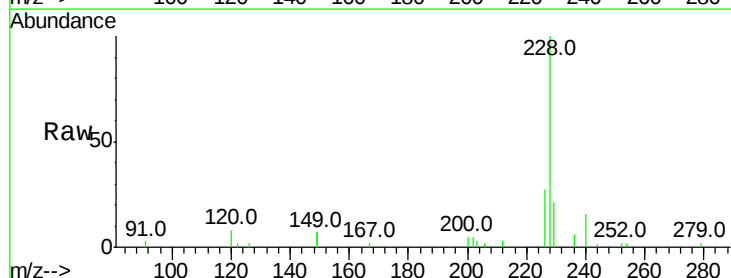
Tgt Ion:228 Resp: 4418

Ion Ratio Lower Upper

228 100

226 27.3 24.0 36.0

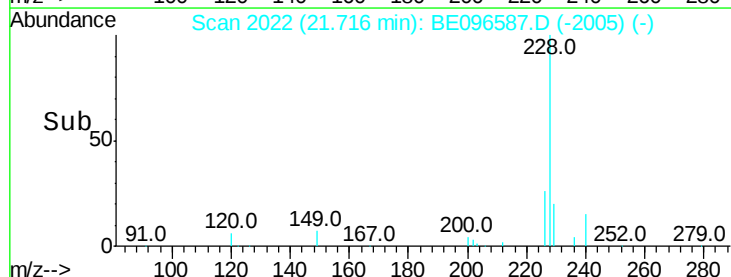
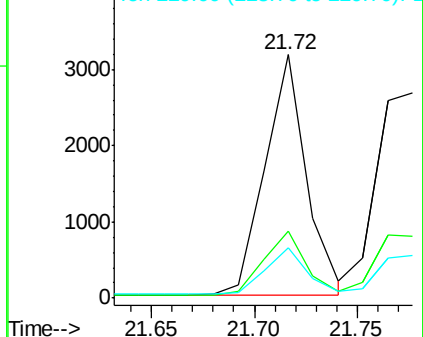
229 20.8 16.0 24.0

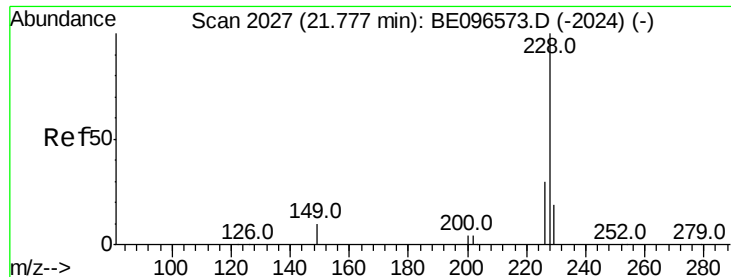


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.411 ng

RT: 21.78 min Scan# 2027

Delta R.T. -0.00 min

Lab File: BE096587.D

Acq: 16 May 2018 8:41

Instrument :

BNA_E

ClientSampleId :

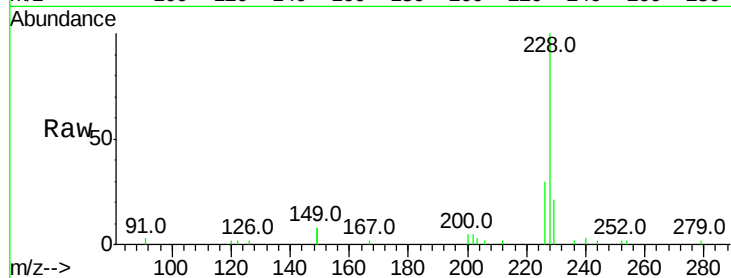
Tot Ion:228 Resp: 4583

Ion Ratio Lower Upper

228 100

226 29.9 24.0 36.0

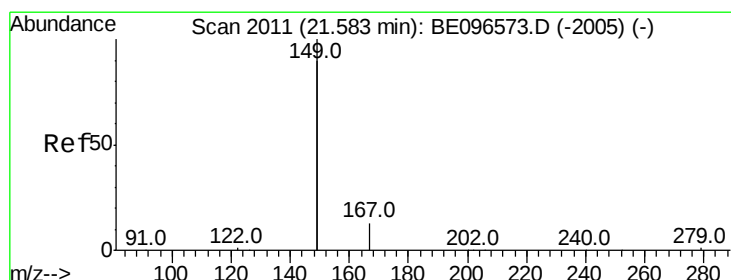
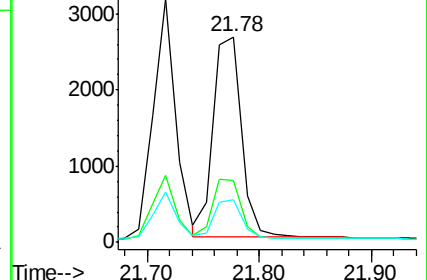
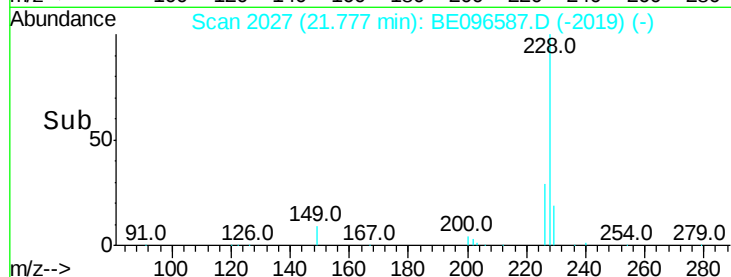
229 20.7 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.410 ng

RT: 21.58 min Scan# 2011

Delta R.T. -0.00 min

Lab File: BE096587.D

Acq: 16 May 2018 8:41

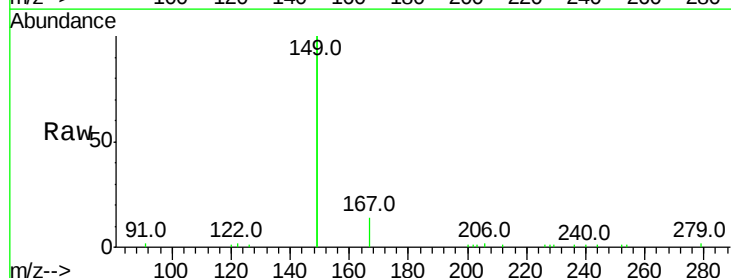
Tgt Ion:149 Resp: 9396

Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.0

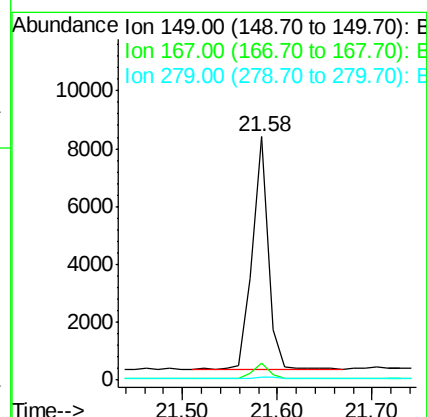
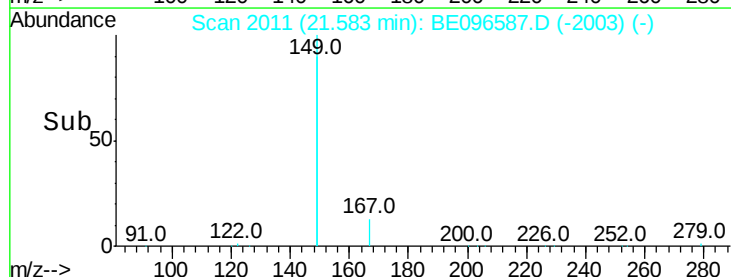
279 1.0 0.7 1.1

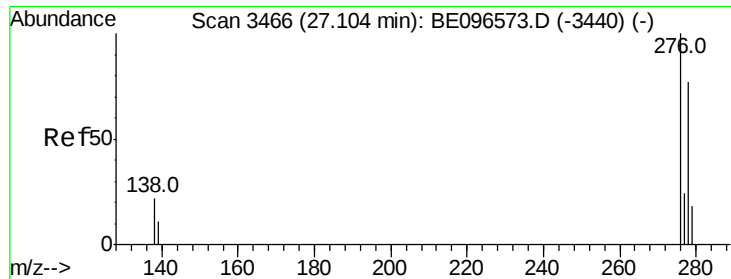


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.413 ng

RT: 27.09 min Scan# 3463

Delta R.T. -0.01 min

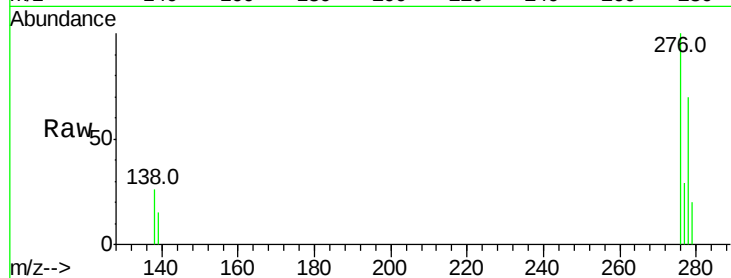
Lab File: BE096587.D

Acq: 16 May 2018 8:41

Instrument :

BNA_E

ClientSampleId :



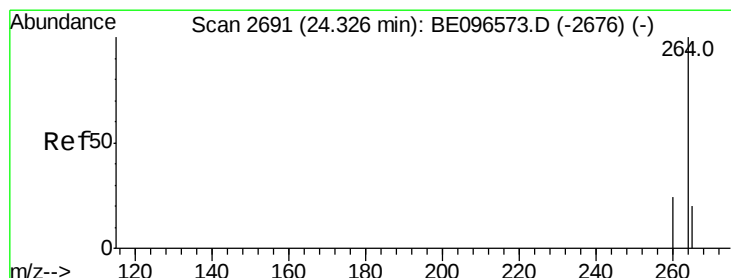
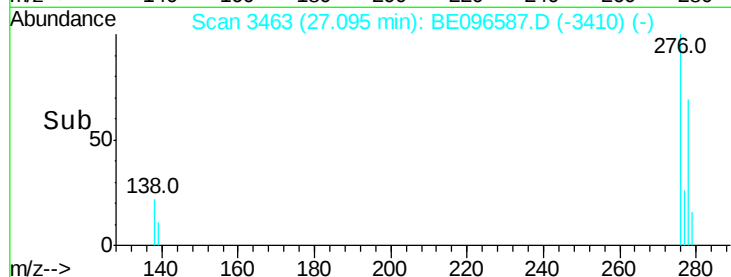
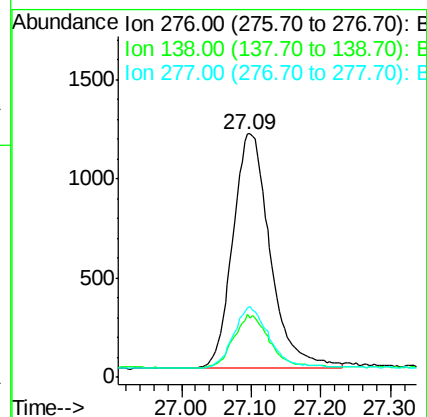
Tot Ion:276 Resp: 4414

Ion Ratio Lower Upper

276 100

138 21.8 22.5 33.7#

277 24.2 19.9 29.9



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.33 min Scan# 2692

Delta R.T. 0.00 min

Lab File: BE096587.D

Acq: 16 May 2018 8:41

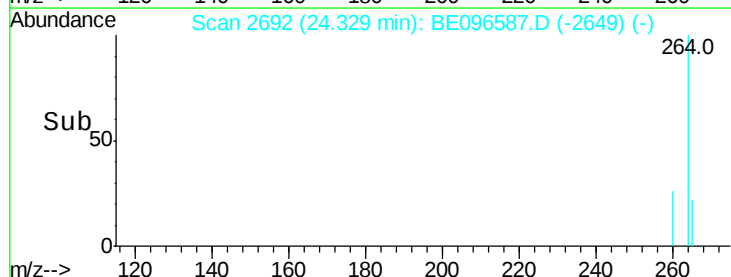
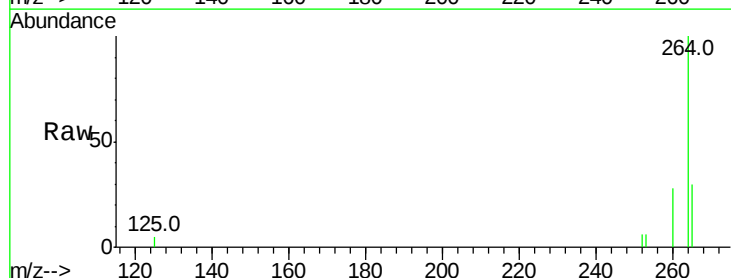
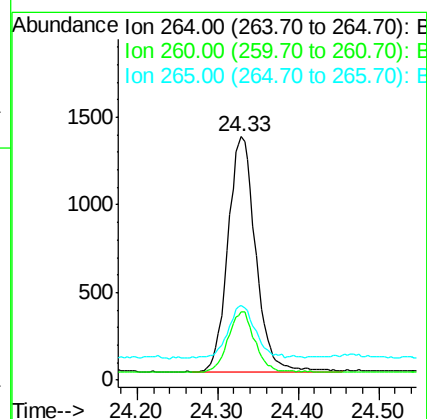
Tgt Ion:264 Resp: 3209

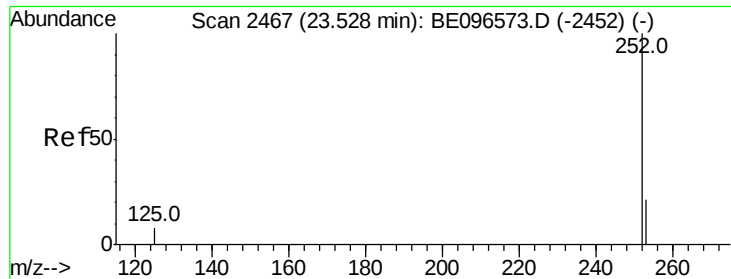
Ion Ratio Lower Upper

264 100

260 27.9 20.5 30.7

265 30.4 22.8 34.2

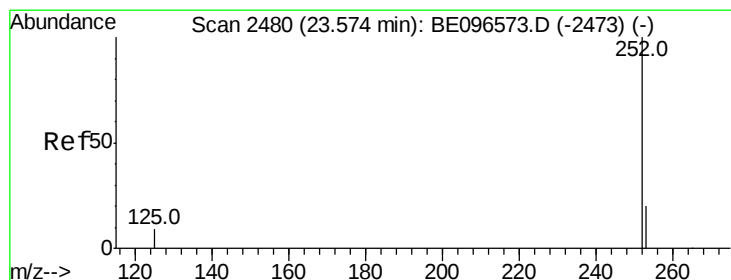
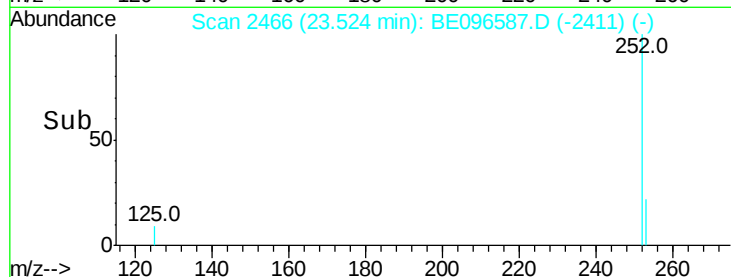
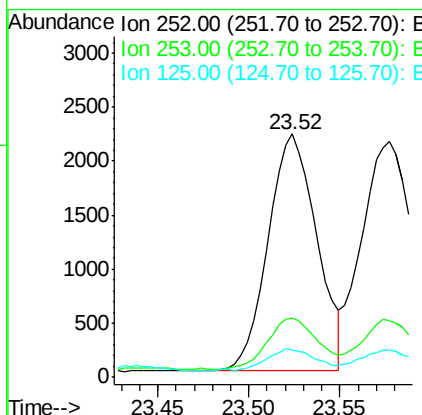
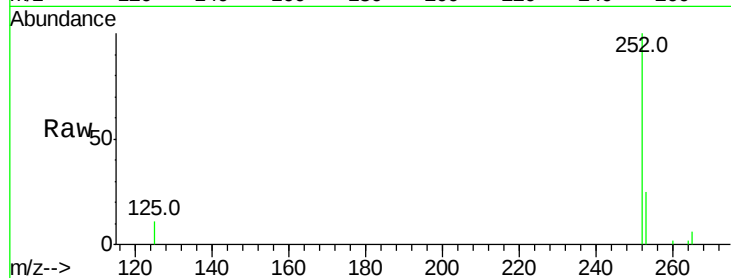




#35
Benzo(b)fluoranthene
Concen: 0.412 ng
RT: 23.52 min Scan# 2466
Delta R.T. -0.00 min
Lab File: BE096587.D
Acq: 16 May 2018 8:41

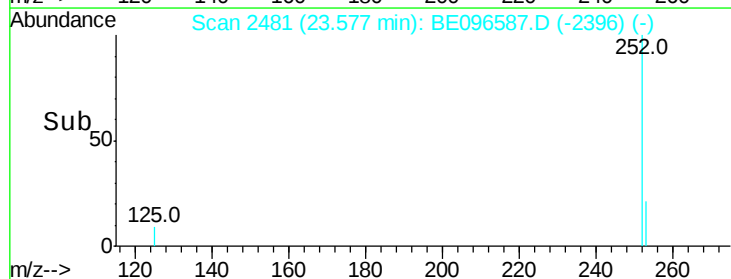
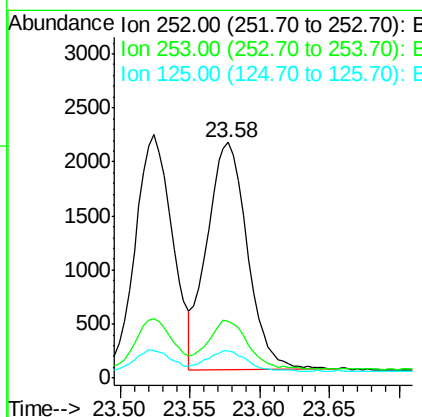
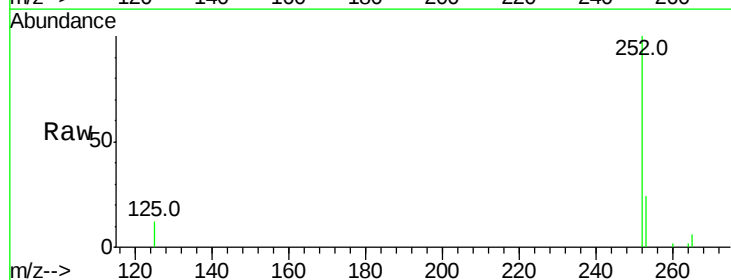
Instrument :
BNA_E
ClientSampleId :

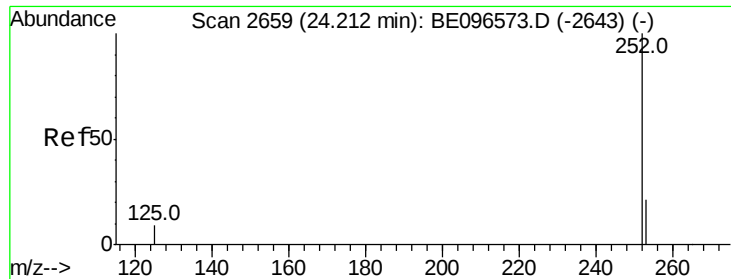
Tot Ion:252 Resp: 4074
Ion Ratio Lower Upper
252 100
253 24.6 20.0 30.0
125 11.2 16.0 24.0#



#36
Benzo(k)fluoranthene
Concen: 0.405 ng
RT: 23.58 min Scan# 2481
Delta R.T. 0.00 min
Lab File: BE096587.D
Acq: 16 May 2018 8:41

Tgt Ion:252 Resp: 4247
Ion Ratio Lower Upper
252 100
253 24.3 16.0 24.0#
125 11.5 8.0 12.0





#37

Benzo(a)pyrene

Concen: 0.412 ng

RT: 24.21 min Scan# 2659

Delta R.T. -0.00 min

Lab File: BE096587.D

Acq: 16 May 2018 8:41

Instrument :

BNA_E

ClientSampleId :

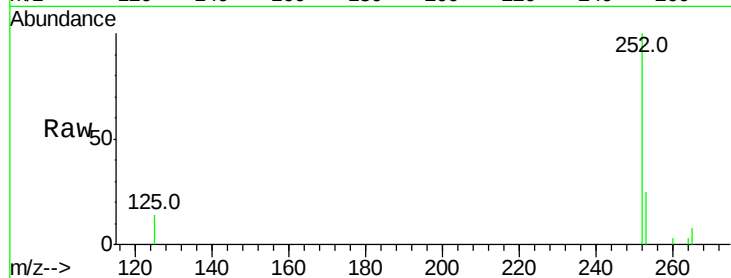
Tot Ion:252 Resp: 3897

Ion Ratio Lower Upper

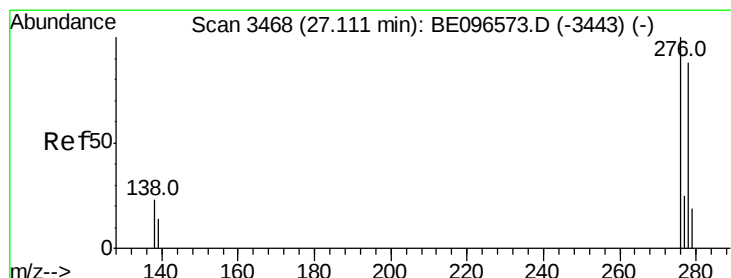
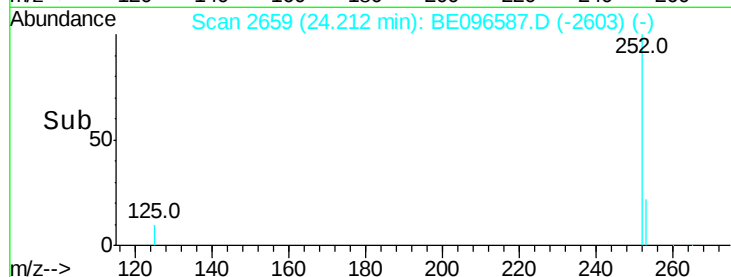
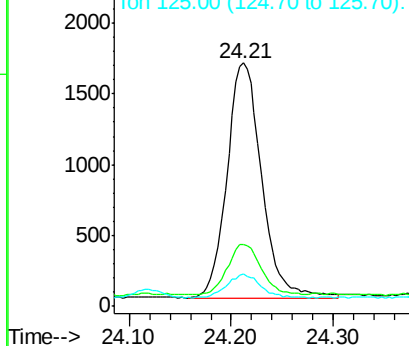
252 100

253 25.3 16.0 24.0#

125 13.6 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: 0.412 ng

RT: 27.11 min Scan# 3466

Delta R.T. -0.01 min

Lab File: BE096587.D

Acq: 16 May 2018 8:41

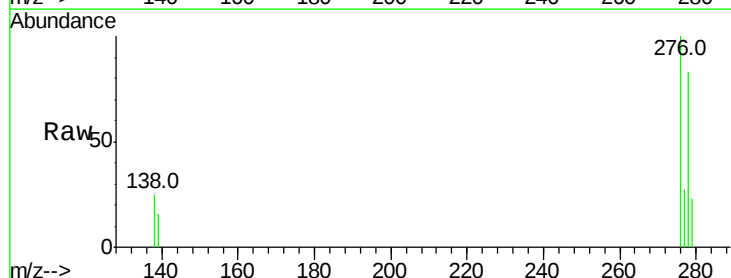
Tgt Ion:278 Resp: 3561

Ion Ratio Lower Upper

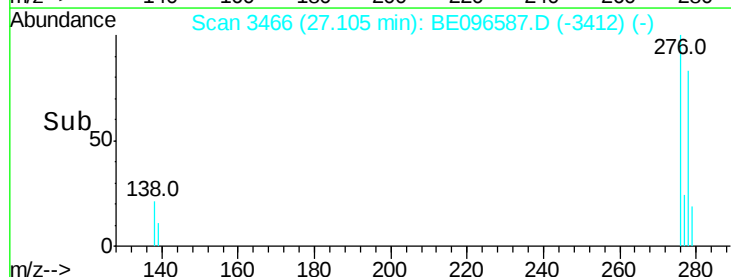
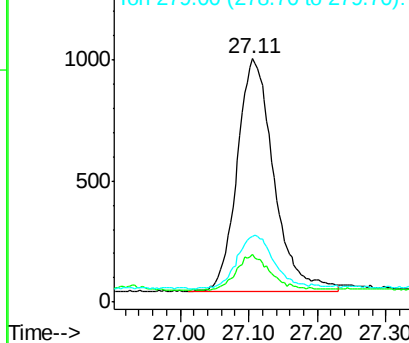
278 100

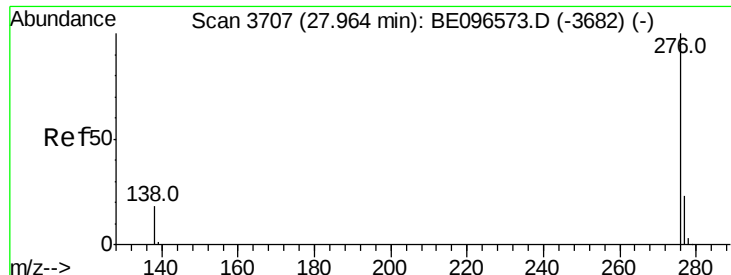
139 19.4 16.0 24.0

279 27.2 20.0 30.0



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.415 ng

RT: 27.96 min Scan# 3706

Delta R.T. -0.00 min

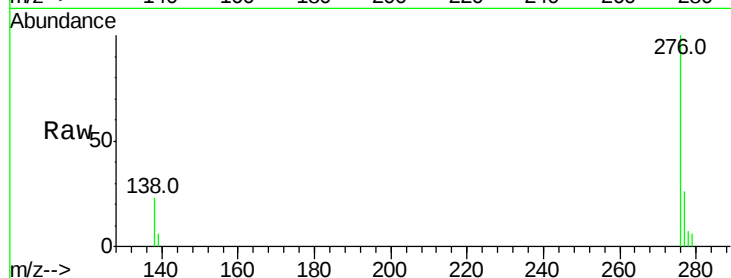
Lab File: BE096587.D

Acq: 16 May 2018 8:41

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 3761

Ion Ratio Lower Upper

276 100

277 26.2 16.0 24.0#

138 23.4 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

