

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032618\
 Data File : BE095839.D
 Acq On : 26 Mar 2018 14:26
 Operator : SJ/JU
 Sample : J1994-10MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 27 05:40:40 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE032318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 12:41:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.42	152	1147	0.40	ng	0.00
7) Naphthalene-d8	11.26	136	4232	0.40	ng	0.00
13) Acenaphthene-d10	14.99	164	2323	0.40	ng	-0.01
19) Phenanthrene-d10	17.70	188	5532	0.40	ng	-0.01
27) Chrysene-d12	21.79	240	6549	0.40	ng	-0.01
34) Perylene-d12	24.42	264	6635	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.91	112	704	0.19	ng	0.00
5) Phenol-d6	7.56	99	642	0.12	ng	0.00
8) Nitrobenzene-d5	9.59	82	2532	0.51	ng	0.00
11) 2-Methylnaphthalene-d10	12.79	152	2796	0.40	ng	0.00
14) 2,4,6-Tribromophenol	16.46	330	592	0.44	ng	-0.01
15) 2-Fluorobiphenyl	13.63	172	5738	0.59	ng	-0.01
25) Fluoranthene-d10	19.68	212	32440	0.39	ng	0.00
29) Terphenyl-d14	20.24	244	8548	0.61	ng	0.00

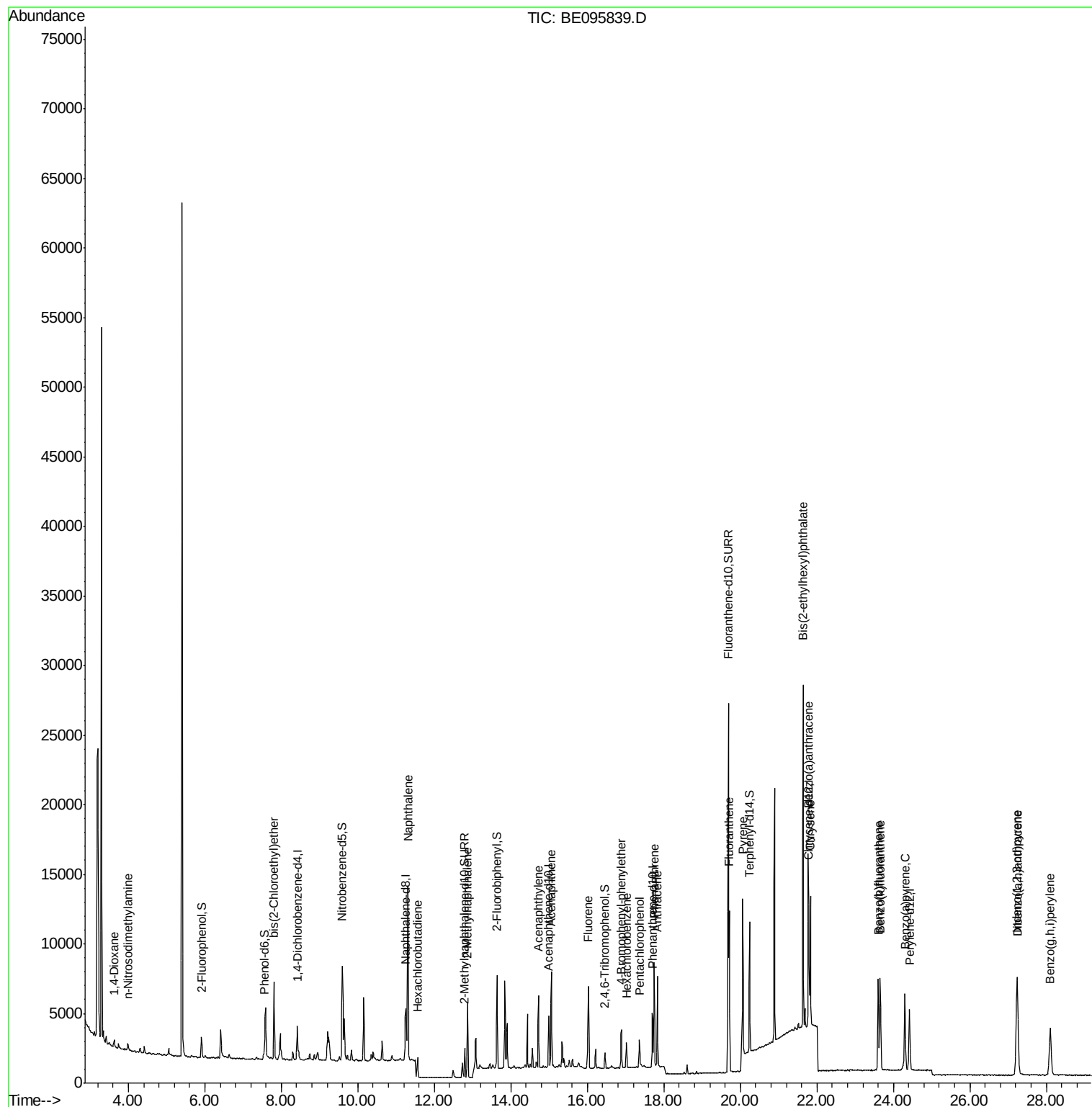
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.63	88	259	0.138	ng	# 29
3) n-Nitrosodimethylamine	3.98	42	352	0.128	ng	# 82
6) bis(2-Chloroethyl)ether	7.81	93	1794	0.400	ng	98
9) Naphthalene	11.31	128	21326	0.441	ng	100
10) Hexachlorobutadiene	11.56	225	1371	0.413	ng	92
12) 2-Methylnaphthalene	12.87	142	3650	0.442	ng	97
16) Acenaphthylene	14.73	152	5513	0.415	ng	99
17) Acenaphthene	15.06	154	3336	0.412	ng	94
18) Fluorene	16.02	166	4348	0.408	ng	# 79
20) 4-Bromophenyl-phenylether	16.89	248	1440	0.433	ng	# 82
21) Hexachlorobenzene	17.02	284	1361	0.410	ng	# 83
22) Pentachlorophenol	17.36	266	1075	0.988	ng	# 72
23) Phenanthrene	17.74	178	7533	0.455	ng	99
24) Anthracene	17.84	178	7275	0.439	ng	# 95
26) Fluoranthene	19.71	202	9894	0.430	ng	98
28) Pyrene	20.06	202	11406	0.428	ng	96
30) Benzo(a)anthracene	21.78	228	10079	0.444	ng	96
31) Chrysene	21.83	228	9429	0.455	ng	97
32) Bis(2-ethylhexyl)phthalate	21.64	149	26840	0.386	ng	100
33) Indeno(1,2,3-cd)pyrene	27.23	276	10158	0.455	ng	# 94
35) Benzo(b)fluoranthene	23.60	252	9334	0.425	ng	# 92
36) Benzo(k)fluoranthene	23.66	252	9351	0.426	ng	# 91
37) Benzo(a)pyrene	24.30	252	9166	0.446	ng	# 94
38) Dibenzo(a,h)anthracene	27.25	278	8344	0.427	ng	97
39) Benzo(g,h,i)perylene	28.10	276	8457	0.431	ng	# 88

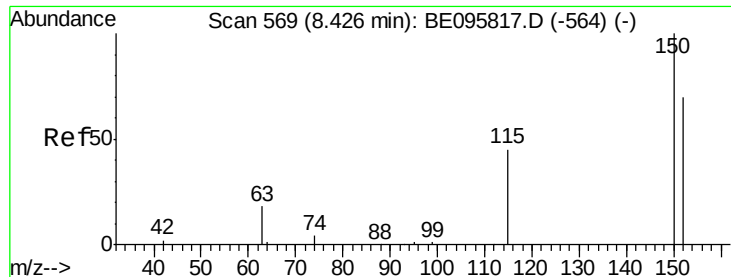
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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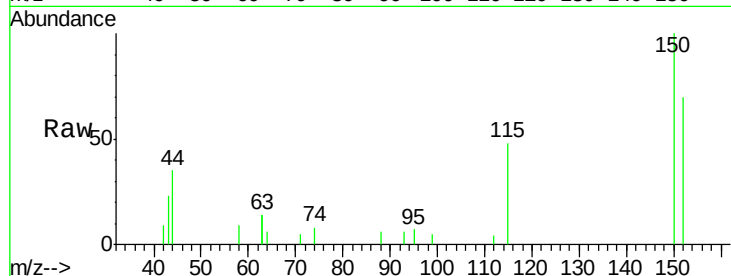


#1

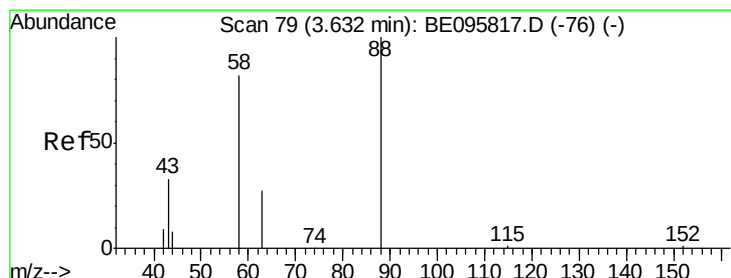
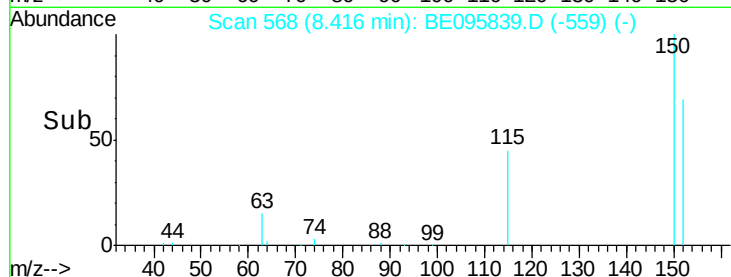
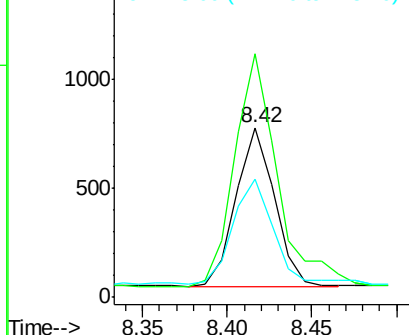
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.42 min Scan# 568
Delta R.T. -0.01 min
Lab File: BE095839.D
Acq: 26 Mar 2018 14:26

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 1147
Ion Ratio Lower Upper
152 100
150 143.8 117.2 175.8
115 69.4 57.0 85.6



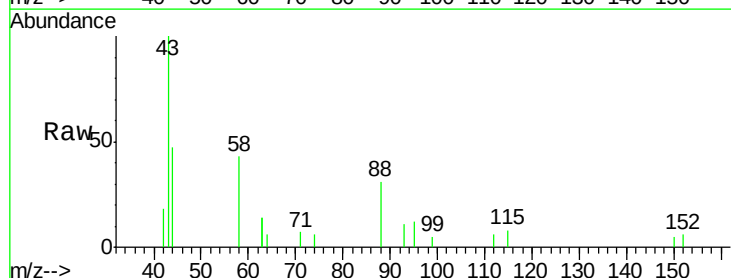
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



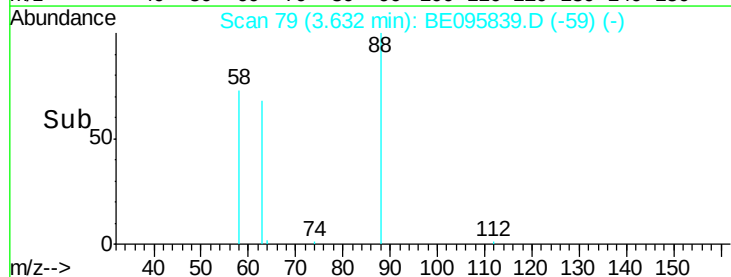
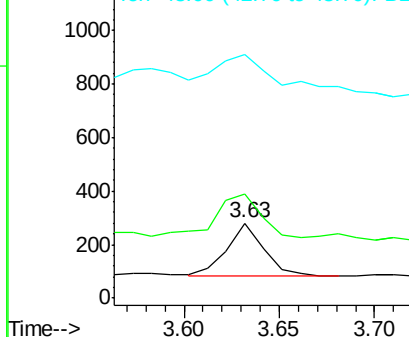
#2

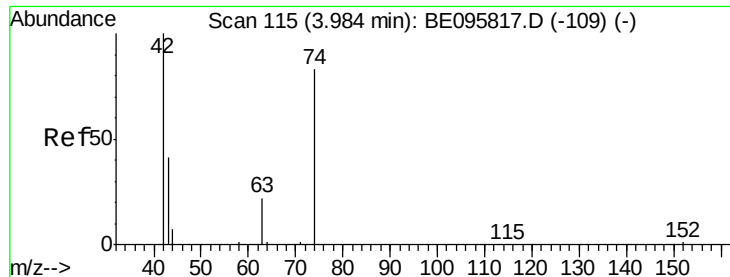
1,4-Dioxane
Concen: 0.138 ng
RT: 3.63 min Scan# 79
Delta R.T. -0.00 min
Lab File: BE095839.D
Acq: 26 Mar 2018 14:26

Tgt Ion: 88 Resp: 259
Ion Ratio Lower Upper
88 100
58 98.5 63.2 94.8#
43 152.9 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



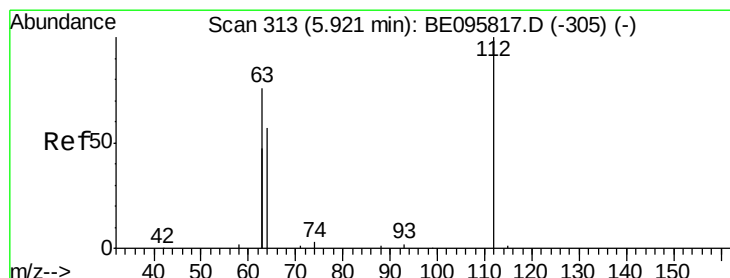
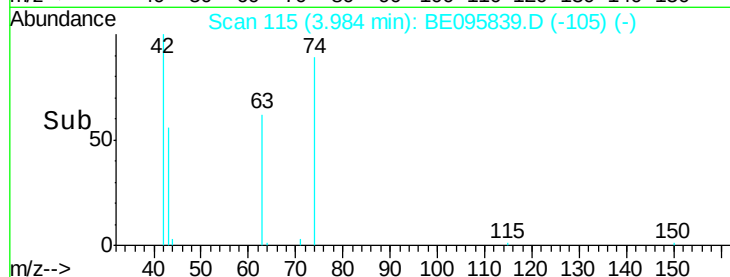
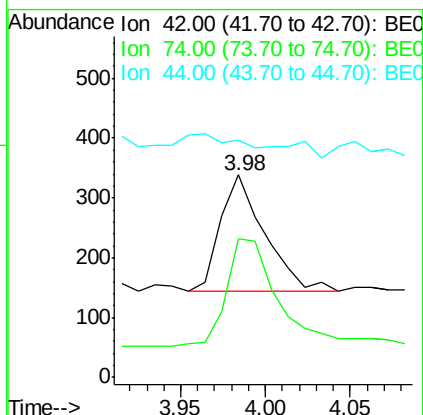
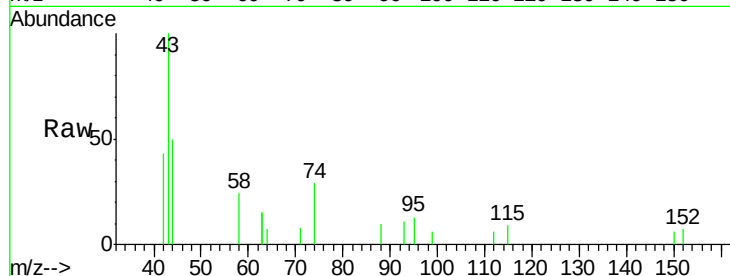


#3

n-Nitrosodimethylamine
 Concen: 0.128 ng
 RT: 3.98 min Scan# 115
 Delta R.T. -0.00 min
 Lab File: BE095839.D
 Acq: 26 Mar 2018 14:26

Instrument :
 BNA_E
 ClientSampleId :

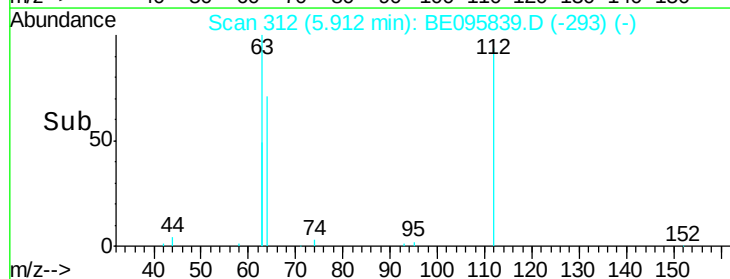
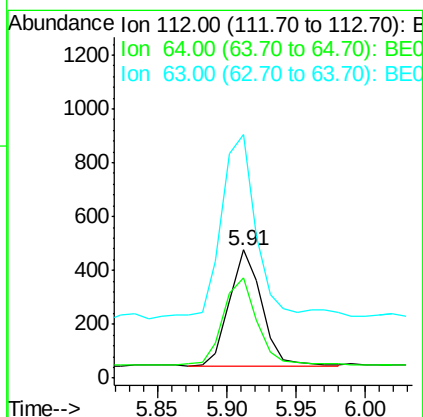
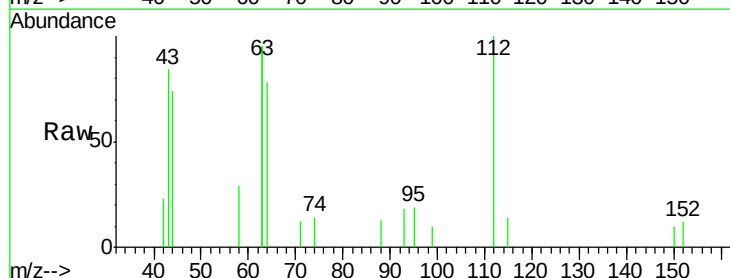
Tot Ion	Ratio	Lower	Upper
42	100		
74	106.0	96.0	144.0
44	40.6	12.0	18.0#

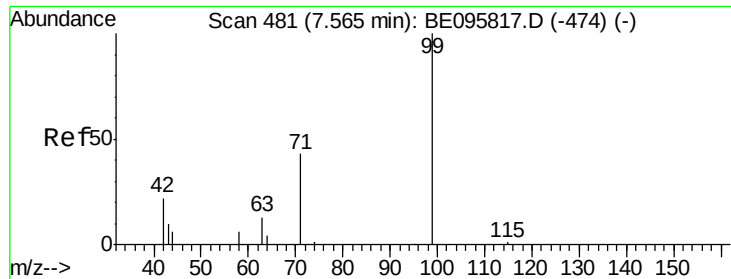


#4

2-Fluorophenol
 Concen: 0.186 ng
 RT: 5.91 min Scan# 312
 Delta R.T. -0.01 min
 Lab File: BE095839.D
 Acq: 26 Mar 2018 14:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	79.4	60.1	90.1
63	171.7	116.8	175.2





#5

Phenol-d6

Concen: 0.123 ng

RT: 7.56 min Scan# 480

Delta R.T. -0.01 min

Lab File: BE095839.D

Acq: 26 Mar 2018 14:26

Instrument :

BNA_E

ClientSampleId :

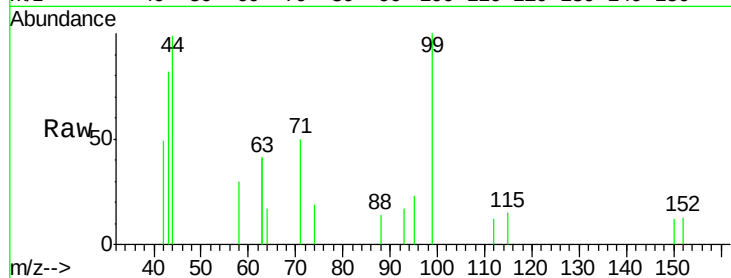
Tot Ion: 99 Resp: 642

Ion Ratio Lower Upper

99 100

42 52.8 20.2 30.2#

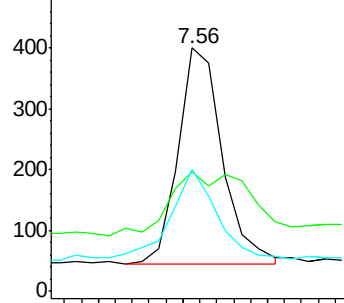
71 46.6 28.4 42.6#



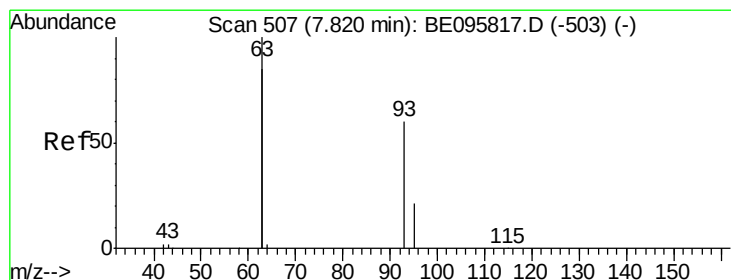
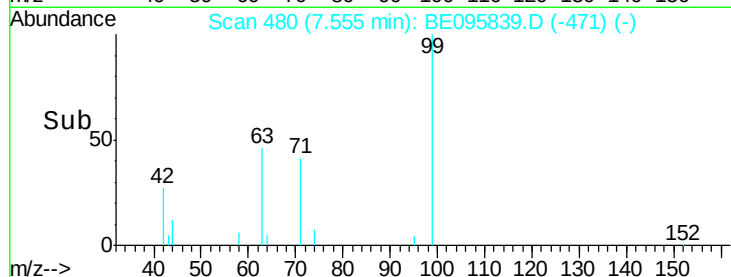
Abundance Ion 99.00 (98.70 to 99.70): BE0

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: 0.400 ng

RT: 7.81 min Scan# 506

Delta R.T. -0.01 min

Lab File: BE095839.D

Acq: 26 Mar 2018 14:26

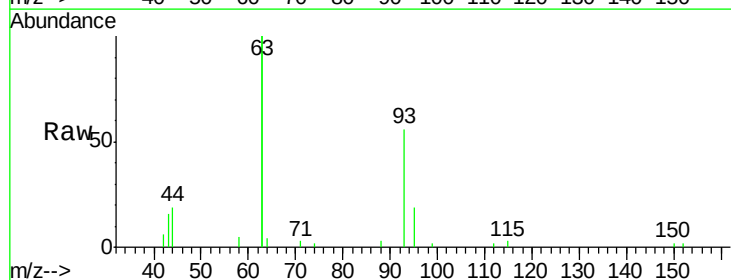
Tgt Ion: 93 Resp: 1794

Ion Ratio Lower Upper

93 100

63 339.5 275.3 412.9

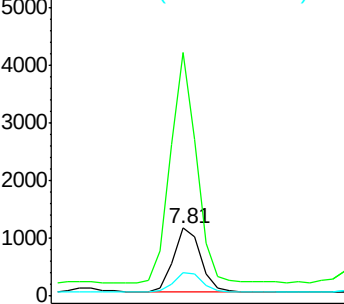
95 31.3 25.2 37.8



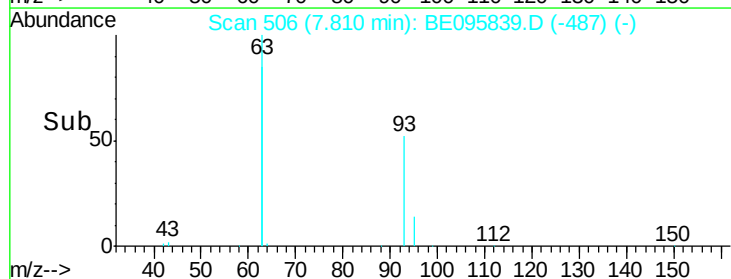
Abundance Ion 93.00 (92.70 to 93.70): BE0

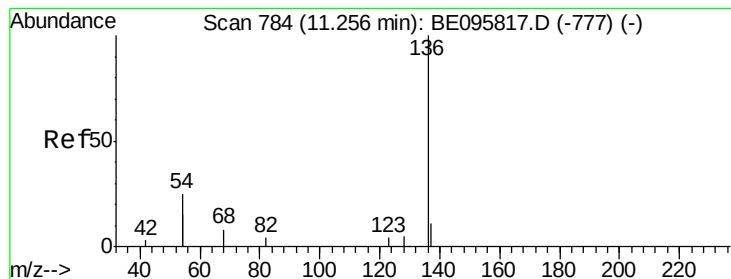
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.26 min Scan# 784

Delta R.T. -0.00 min

Lab File: BE095839.D

Acq: 26 Mar 2018 14:26

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 4232

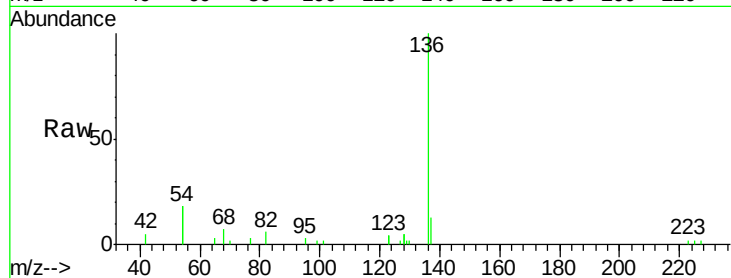
Ion Ratio Lower Upper

136 100

137 12.7 9.5 14.3

54 36.1 29.1 43.7

68 7.4 6.2 9.2

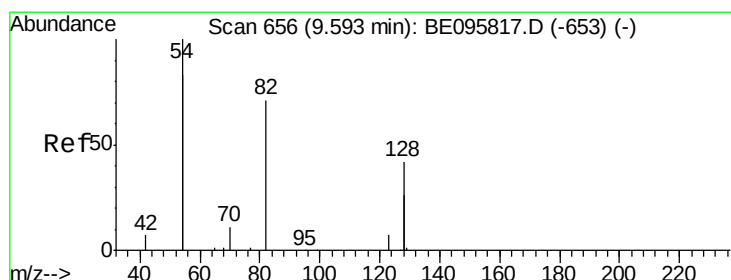
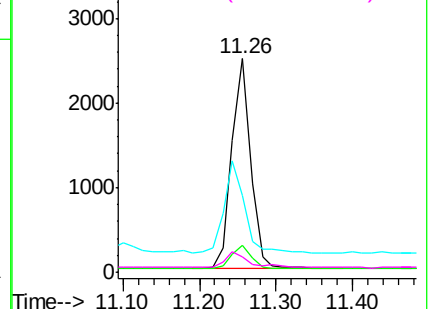
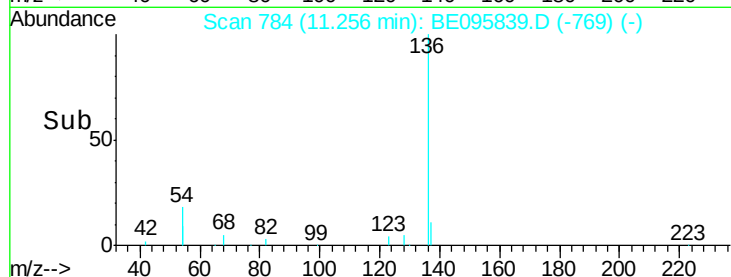


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.506 ng

RT: 9.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: BE095839.D

Acq: 26 Mar 2018 14:26

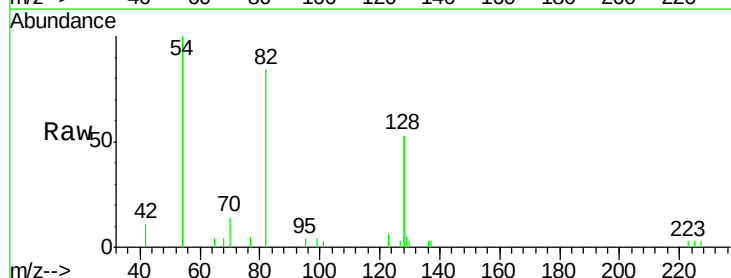
Tgt Ion: 82 Resp: 2532

Ion Ratio Lower Upper

82 100

128 124.9 150.0 225.0#

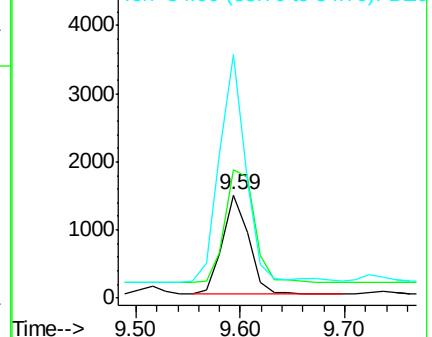
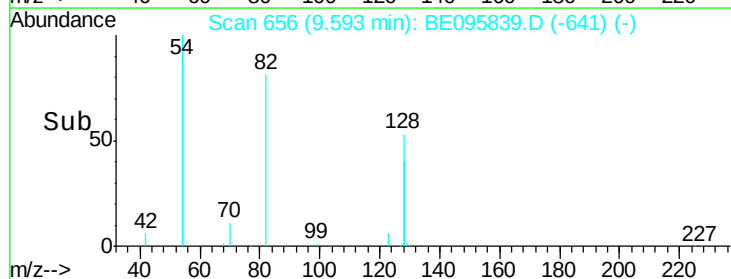
54 236.8 154.2 231.4#

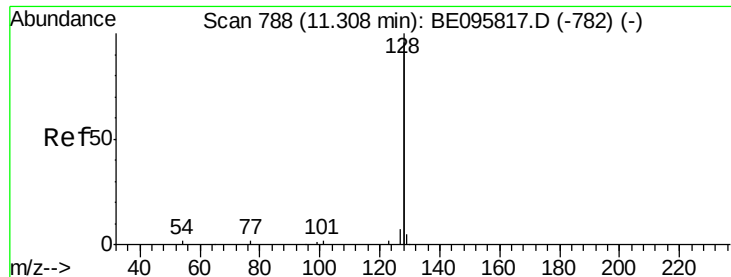


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.441 ng

RT: 11.31 min Scan# 788

Delta R.T. -0.00 min

Lab File: BE095839.D

Acq: 26 Mar 2018 14:26

Instrument :

BNA_E

ClientSampleId :

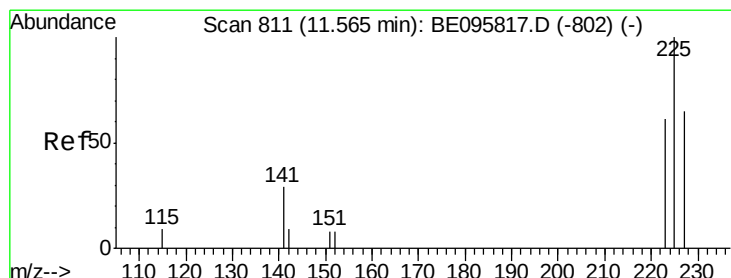
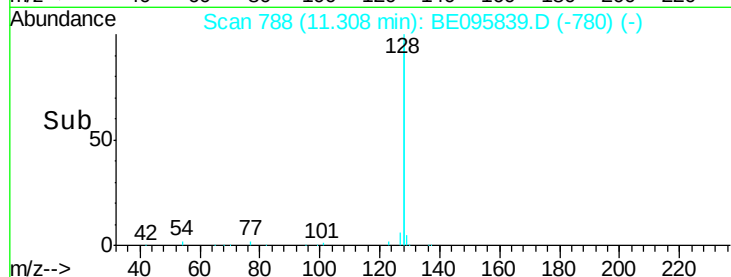
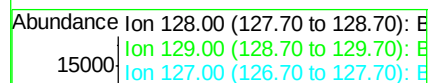
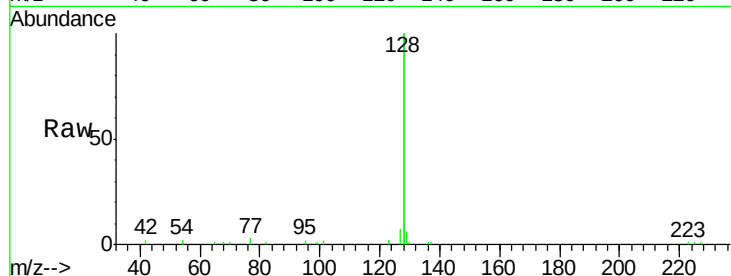
Tot Ion:128 Resp: 21326

Ion Ratio Lower Upper

128 100

129 3.1 2.6 3.8

127 3.6 2.8 4.2



#10

Hexachlorobutadiene

Concen: 0.413 ng

RT: 11.56 min Scan# 810

Delta R.T. -0.00 min

Lab File: BE095839.D

Acq: 26 Mar 2018 14:26

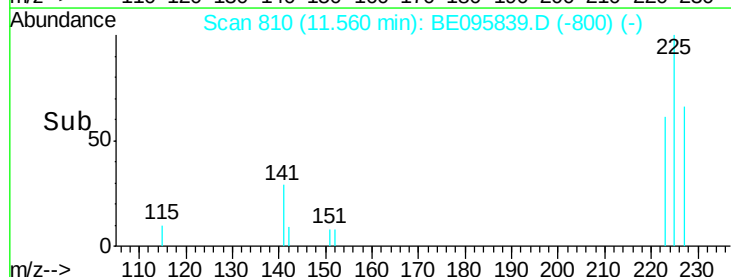
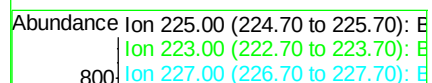
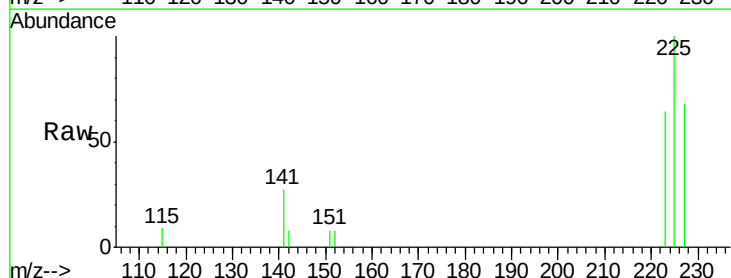
Tgt Ion:225 Resp: 1371

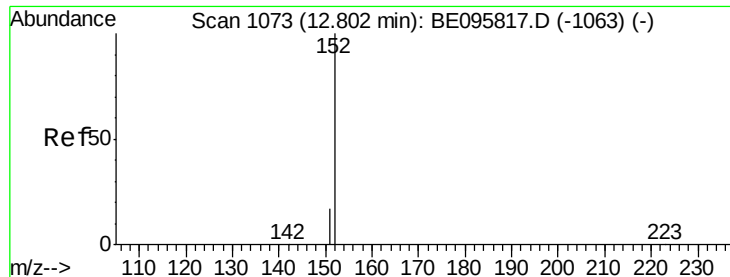
Ion Ratio Lower Upper

225 100

223 58.4 53.0 79.6

227 60.2 51.4 77.2





#11

2-Methylnaphthalene-d10

Concen: 0.396 ng

RT: 12.79 min Scan# 1071

Delta R.T. -0.01 min

Lab File: BE095839.D

Acq: 26 Mar 2018 14:26

Instrument :

BNA_E

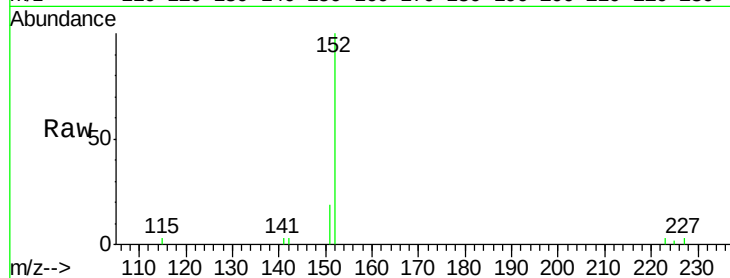
ClientSampleId :

Tot Ion:152 Resp: 2796

Ion Ratio Lower Upper

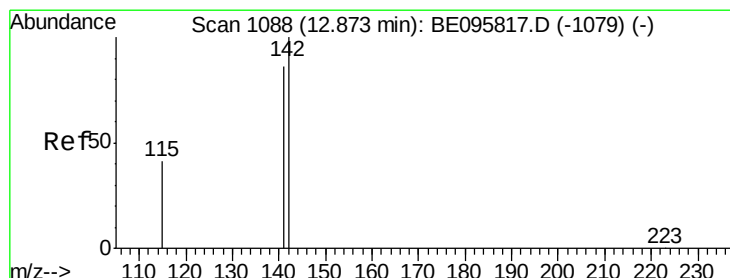
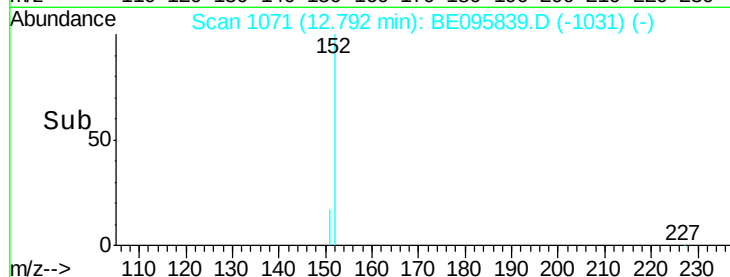
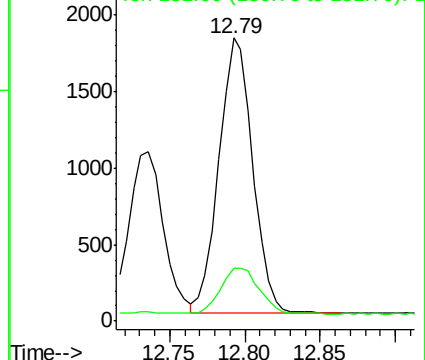
152 100

151 19.3 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.442 ng

RT: 12.87 min Scan# 1087

Delta R.T. -0.00 min

Lab File: BE095839.D

Acq: 26 Mar 2018 14:26

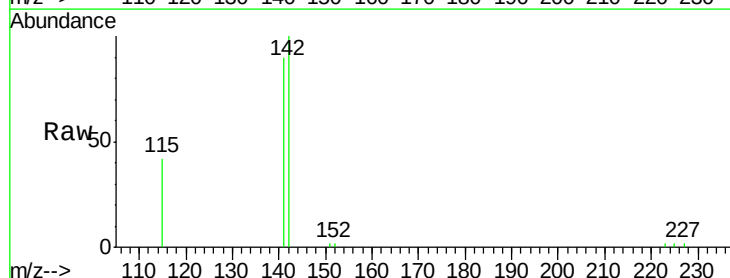
Tgt Ion:142 Resp: 3650

Ion Ratio Lower Upper

142 100

141 89.7 70.4 105.6

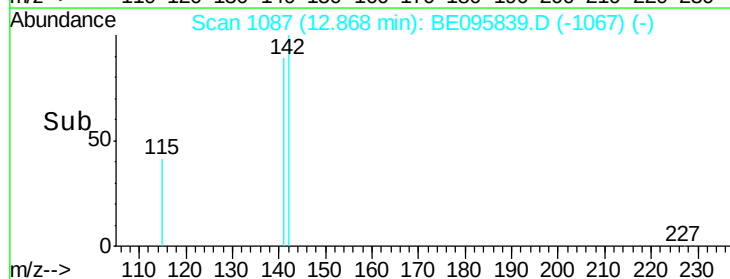
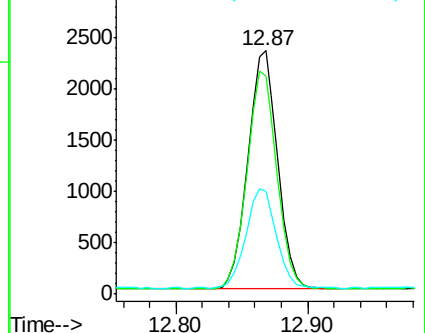
115 42.4 31.7 47.5

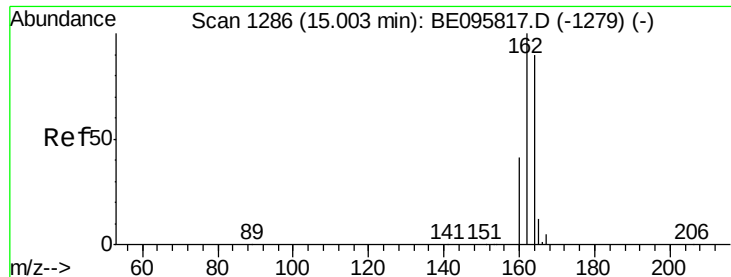


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.99 min Scan# 1285

Delta R.T. -0.01 min

Lab File: BE095839.D

Acq: 26 Mar 2018 14:26

Instrument :

BNA_E

ClientSampleId :

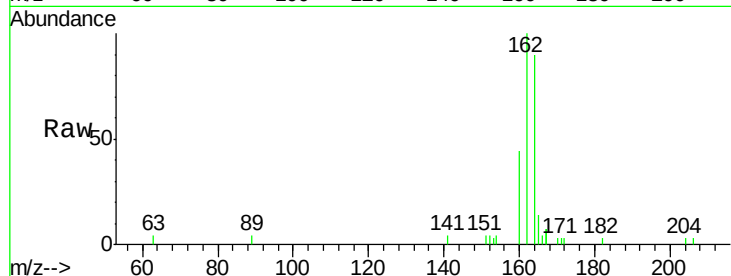
Tot Ion:164 Resp: 2323

Ion Ratio Lower Upper

164 100

162 110.6 83.1 124.7

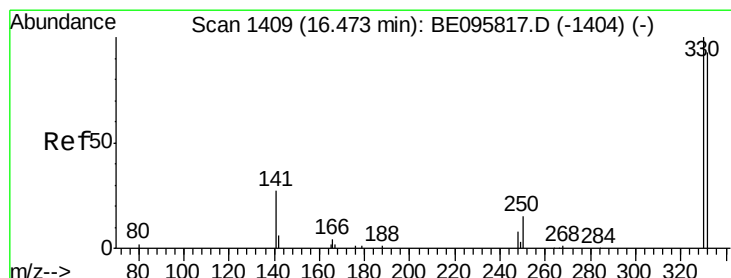
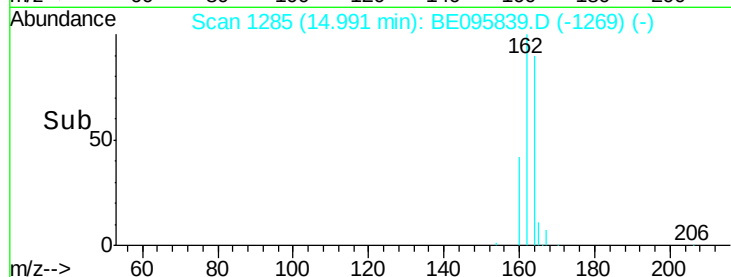
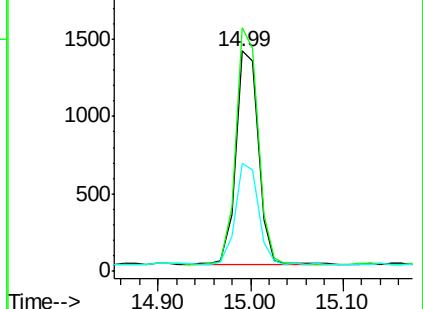
160 48.9 37.1 55.7



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: 0.442 ng

RT: 16.46 min Scan# 1408

Delta R.T. -0.01 min

Lab File: BE095839.D

Acq: 26 Mar 2018 14:26

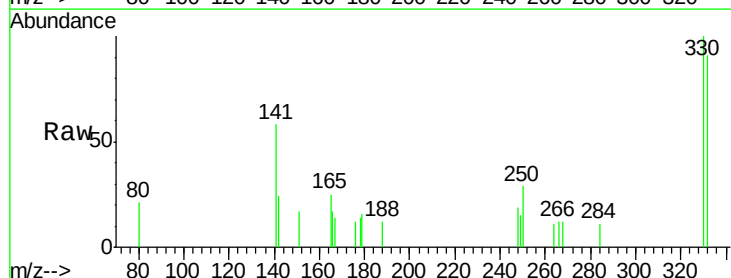
Tgt Ion:330 Resp: 592

Ion Ratio Lower Upper

330 100

332 95.4 152.7 229.1#

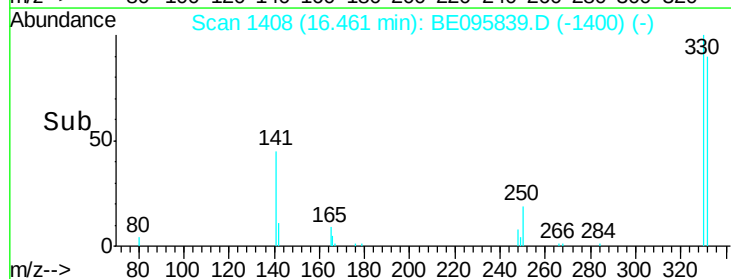
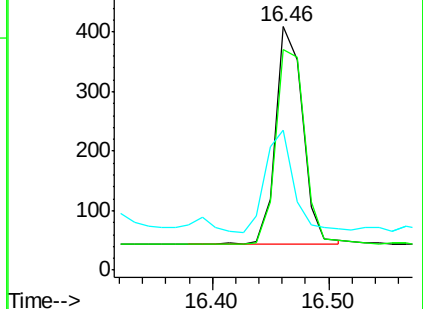
141 49.5 33.7 50.5

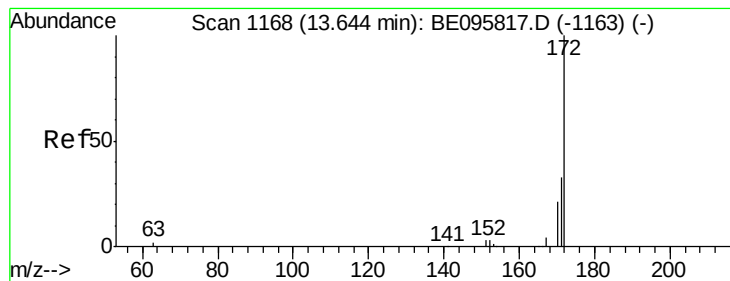


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

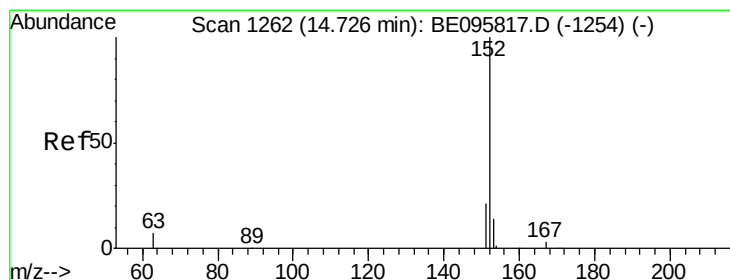
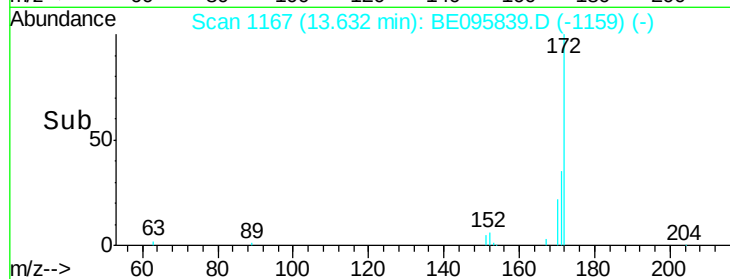
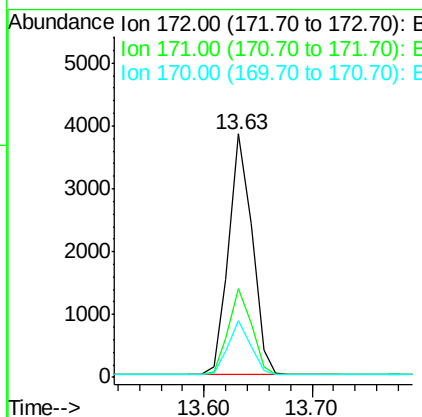
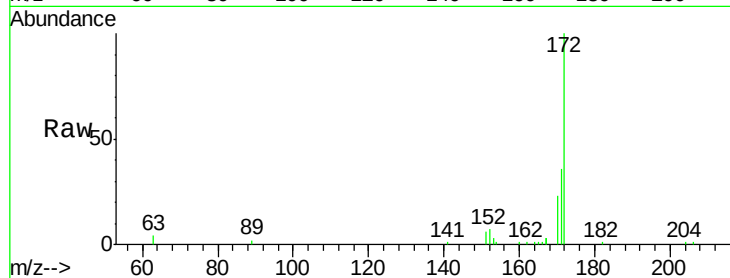




#15
2-Fluorobiphenyl
Concen: 0.586 ng
RT: 13.63 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BE095839.D
Acq: 26 Mar 2018 14:26

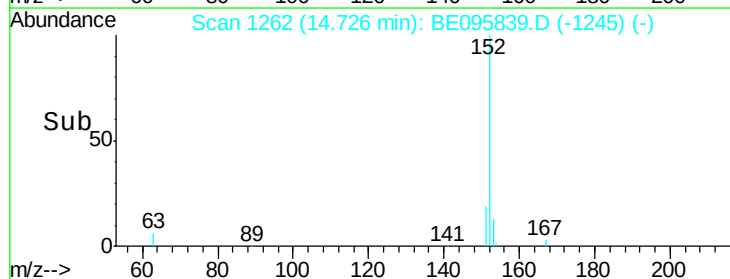
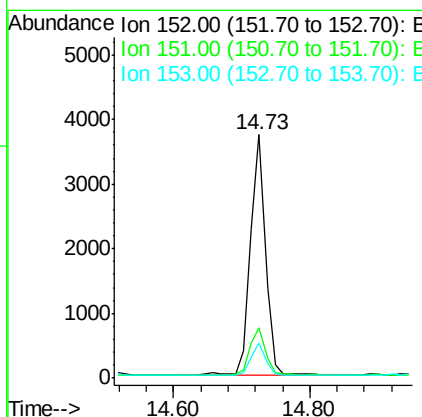
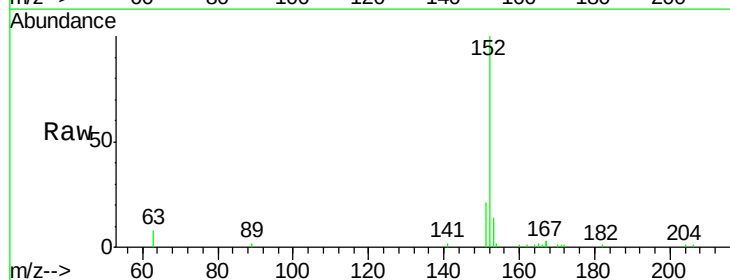
Instrument :
BNA_E
ClientSampleId :

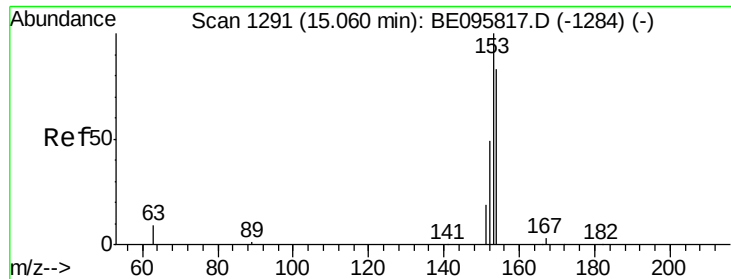
Tot Ion:172 Resp: 5738
Ion Ratio Lower Upper
172 100
171 36.4 29.9 44.9
170 23.4 21.8 32.8



#16
Acenaphthylene
Concen: 0.415 ng
RT: 14.73 min Scan# 1262
Delta R.T. -0.00 min
Lab File: BE095839.D
Acq: 26 Mar 2018 14:26

Tgt Ion:152 Resp: 5513
Ion Ratio Lower Upper
152 100
151 20.1 15.7 23.5
153 12.7 10.5 15.7





#17

Acenaphthene

Concen: 0.412 ng

RT: 15.06 min Scan# 1291

Delta R.T. -0.00 min

Lab File: BE095839.D

Acq: 26 Mar 2018 14:26

Instrument :

BNA_E

ClientSampleId :

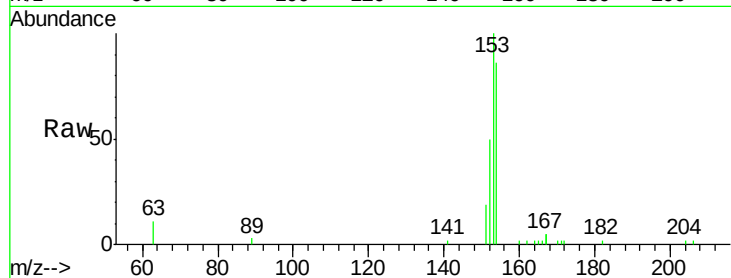
Tot Ion:154 Resp: 3336

Ion Ratio Lower Upper

154 100

153 117.1 89.2 133.8

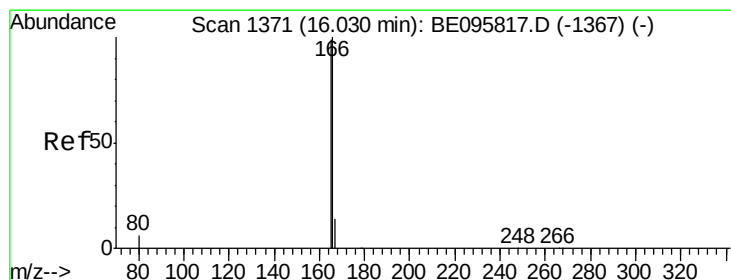
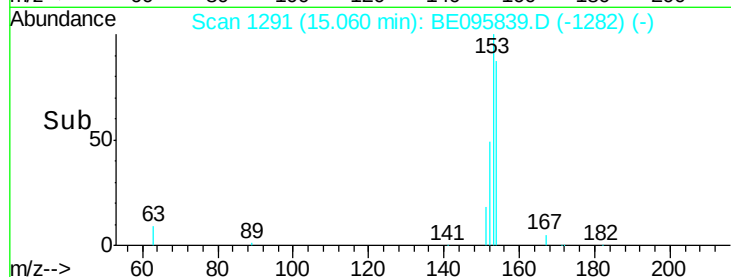
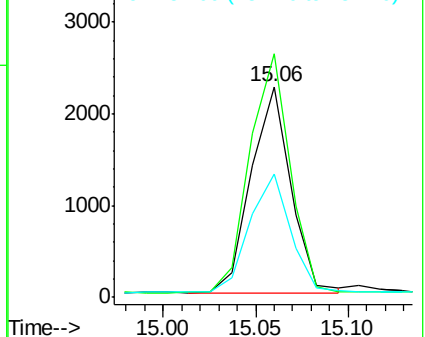
152 58.9 42.0 63.0



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: 16.02 min Scan# 1370

Delta R.T. -0.01 min

Lab File: BE095839.D

Acq: 26 Mar 2018 14:26

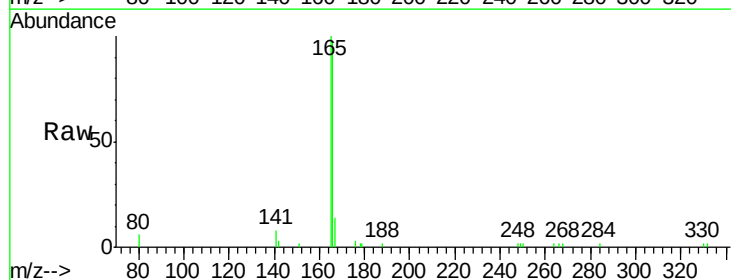
Tgt Ion:166 Resp: 4348

Ion Ratio Lower Upper

166 100

165 100.2 77.8 116.6

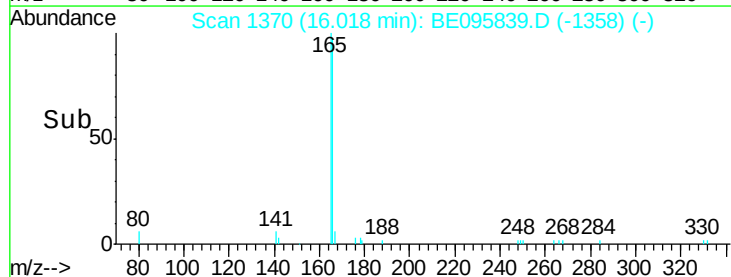
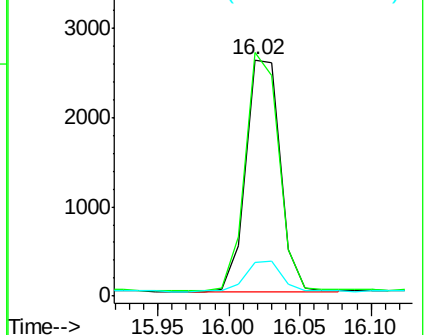
167 13.8 42.4 63.6#

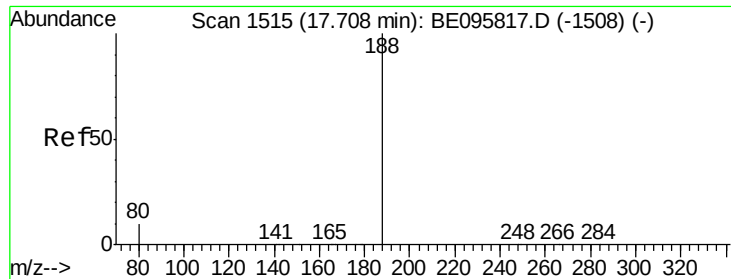


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.70 min Scan# 1514

Delta R.T. -0.01 min

Lab File: BE095839.D

Acq: 26 Mar 2018 14:26

Instrument :

BNA_E

ClientSampleId :

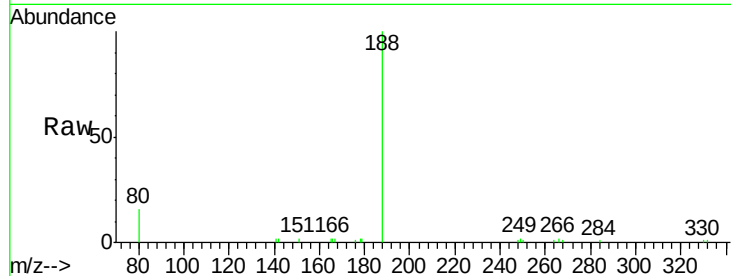
Tot Ion:188 Resp: 5532

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

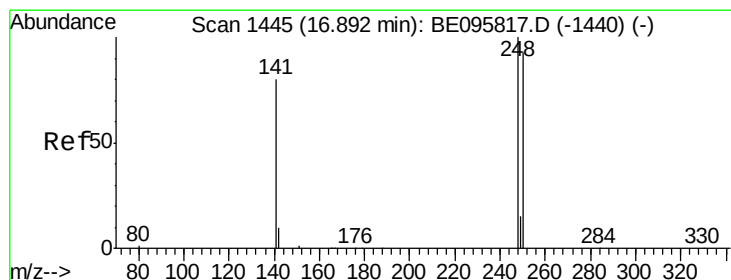
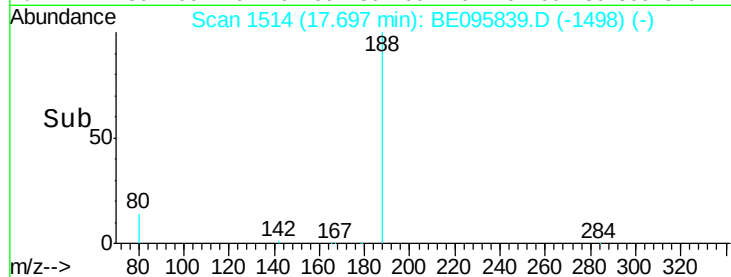
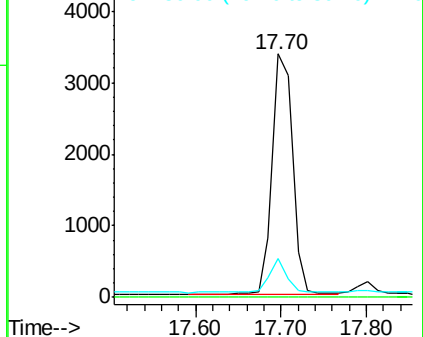
80 16.1 3.6 5.4#



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: 0.433 ng

RT: 16.89 min Scan# 1445

Delta R.T. 0.00 min

Lab File: BE095839.D

Acq: 26 Mar 2018 14:26

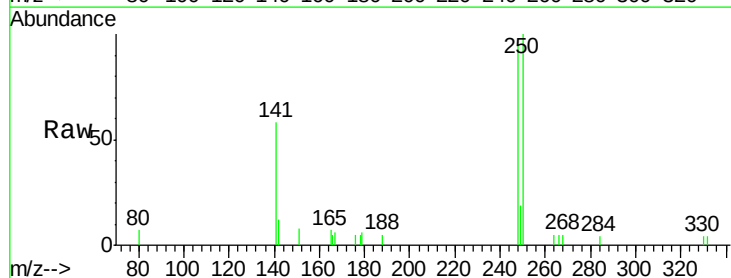
Tgt Ion:248 Resp: 1440

Ion Ratio Lower Upper

248 100

250 105.4 62.7 94.1#

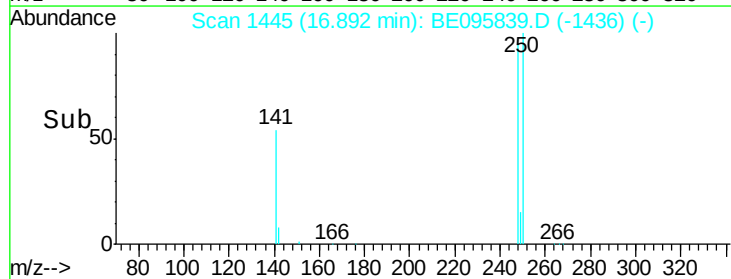
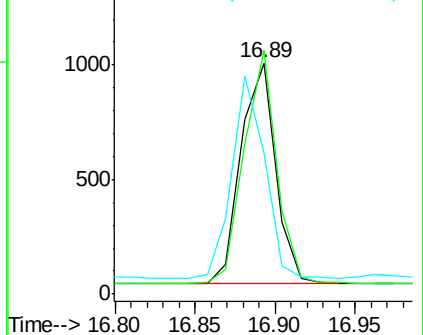
141 60.9 48.2 72.2

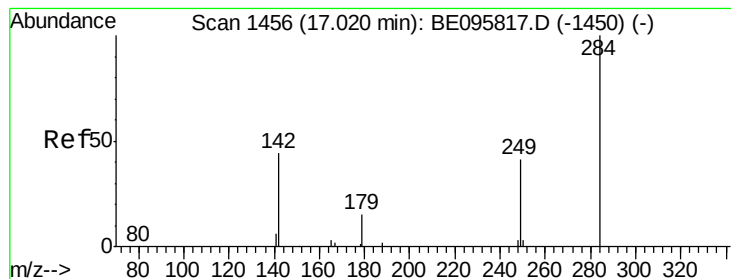


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.410 ng

RT: 17.02 min Scan# 1456

Delta R.T. 0.00 min

Lab File: BE095839.D

Acq: 26 Mar 2018 14:26

Instrument :

BNA_E

ClientSampleId :

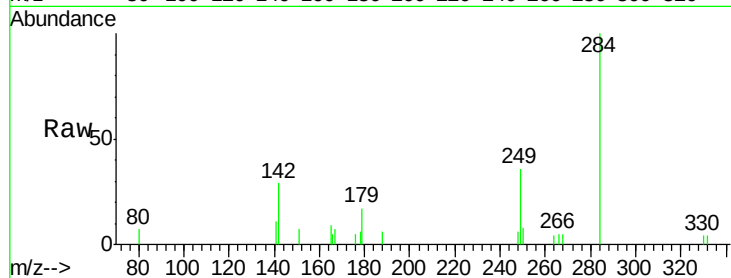
Tot Ion:284 Resp: 1361

Ion Ratio Lower Upper

284 100

142 42.0 22.1 33.1#

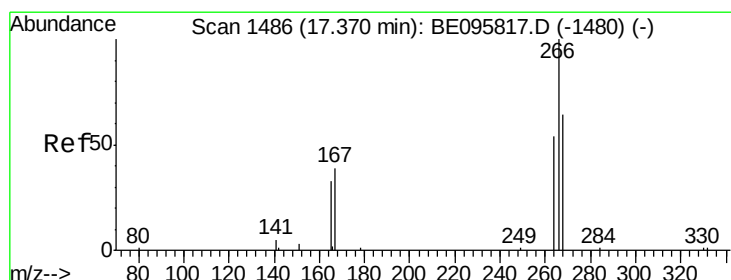
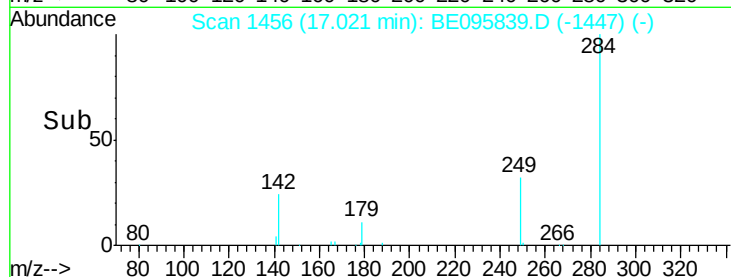
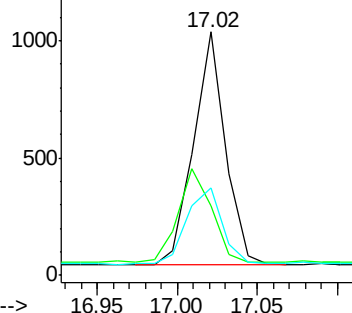
249 36.5 34.8 52.2



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: 0.988 ng

RT: 17.36 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BE095839.D

Acq: 26 Mar 2018 14:26

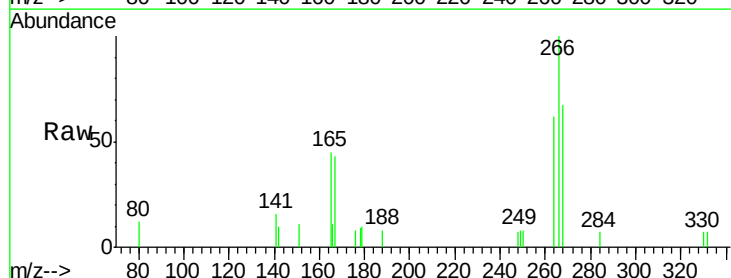
Tgt Ion:266 Resp: 1075

Ion Ratio Lower Upper

266 100

264 62.3 72.5 108.7#

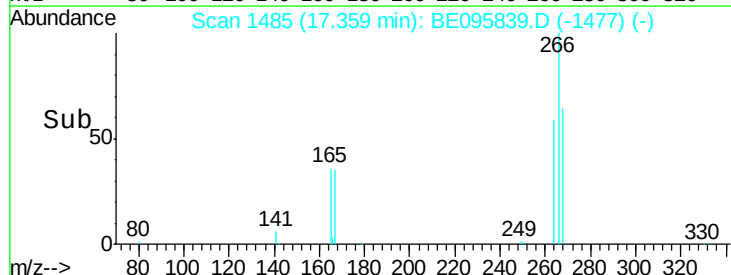
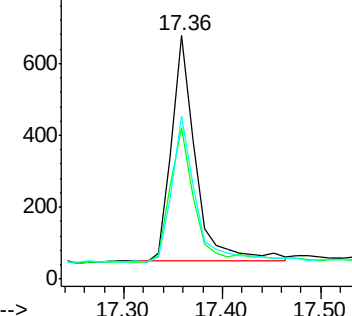
268 67.2 73.8 110.6#

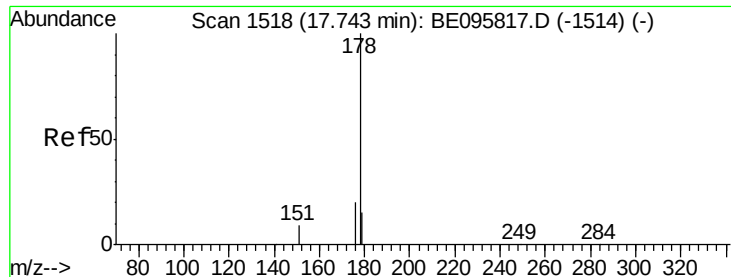


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.455 ng

RT: 17.74 min Scan# 1518

Delta R.T. 0.00 min

Lab File: BE095839.D

Acq: 26 Mar 2018 14:26

Instrument :

BNA_E

ClientSampleId :

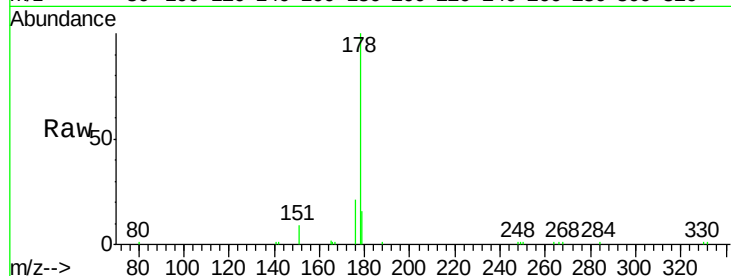
Tot Ion:178 Resp: 7533

Ion Ratio Lower Upper

178 100

176 20.0 15.1 22.7

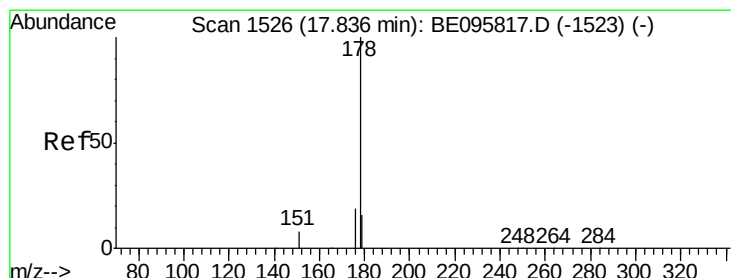
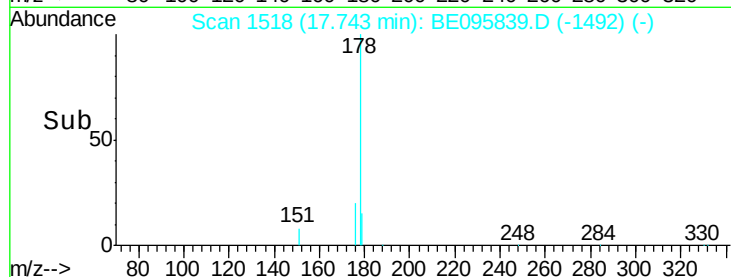
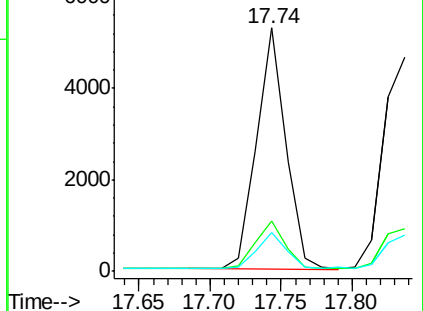
179 14.6 11.8 17.6



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: 0.439 ng

RT: 17.84 min Scan# 1526

Delta R.T. 0.00 min

Lab File: BE095839.D

Acq: 26 Mar 2018 14:26

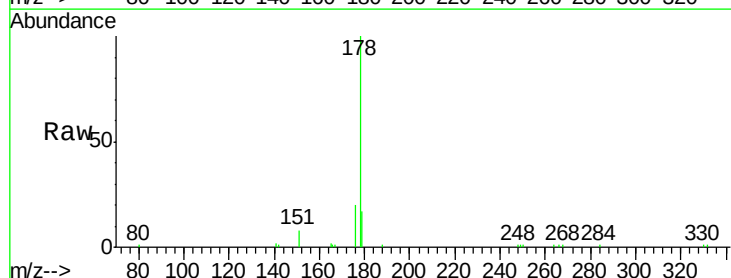
Tgt Ion:178 Resp: 7275

Ion Ratio Lower Upper

178 100

176 19.4 12.8 19.2#

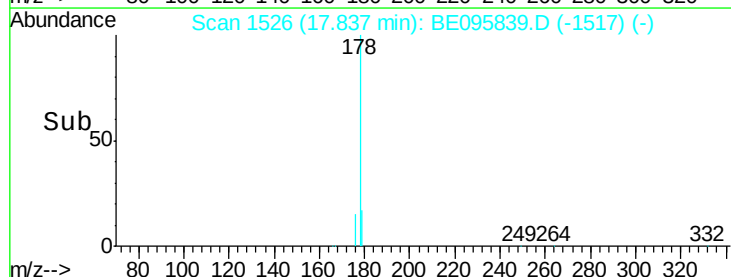
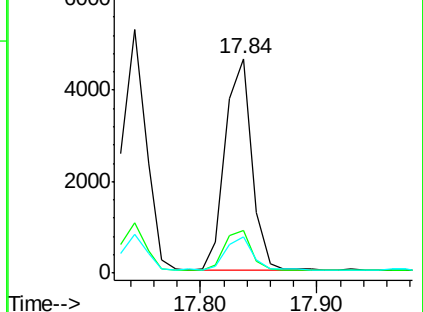
179 15.5 13.0 19.6

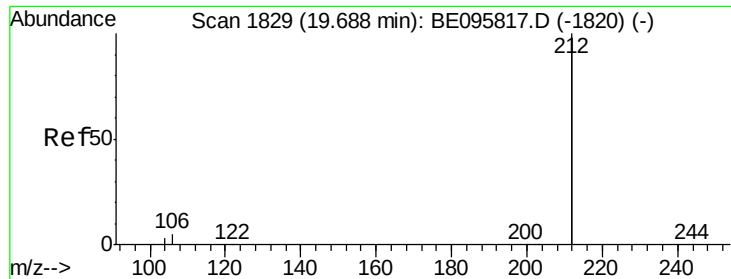


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.395 ng

RT: 19.68 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BE095839.D

Acq: 26 Mar 2018 14:26

Instrument :

BNA_E

ClientSampleId :

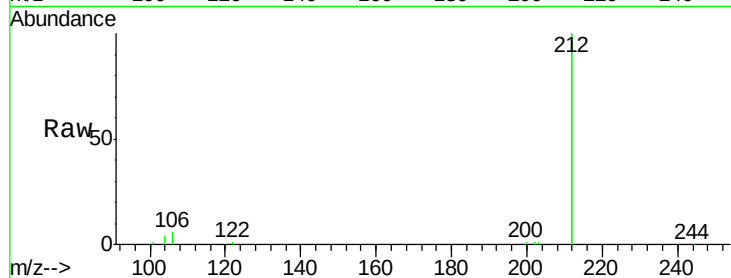
Tot Ion:212 Resp: 32440

Ion Ratio Lower Upper

212 100

106 2.9 2.8 4.2

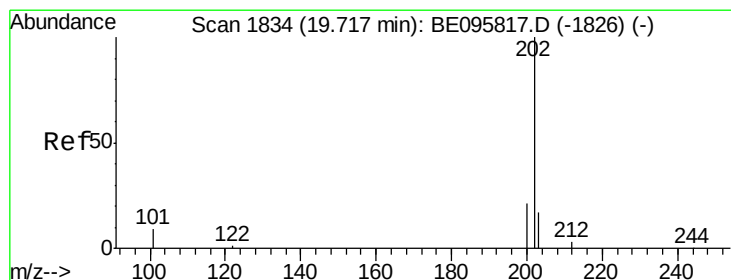
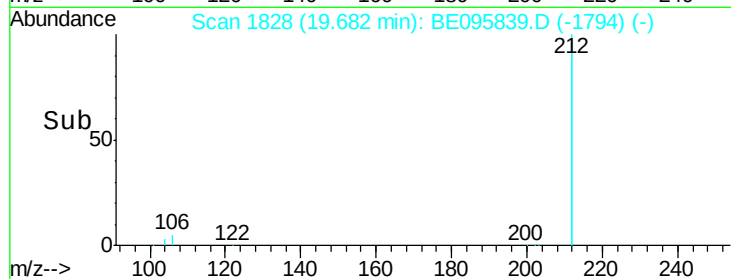
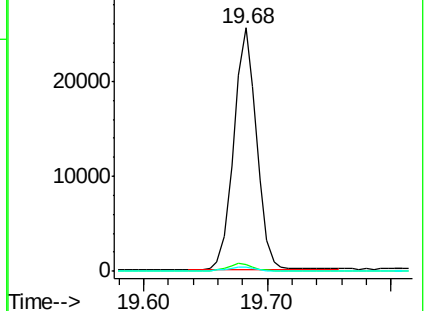
104 1.7 1.6 2.4



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: 0.430 ng

RT: 19.71 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BE095839.D

Acq: 26 Mar 2018 14:26

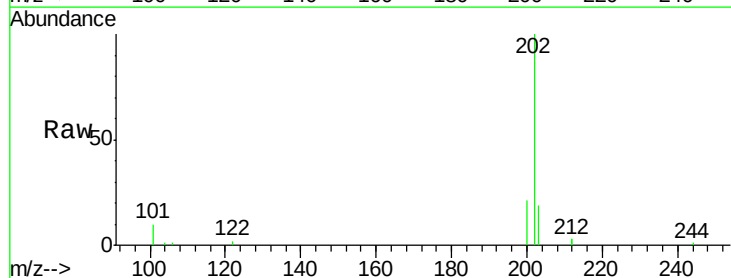
Tgt Ion:202 Resp: 9894

Ion Ratio Lower Upper

202 100

101 10.7 9.8 14.8

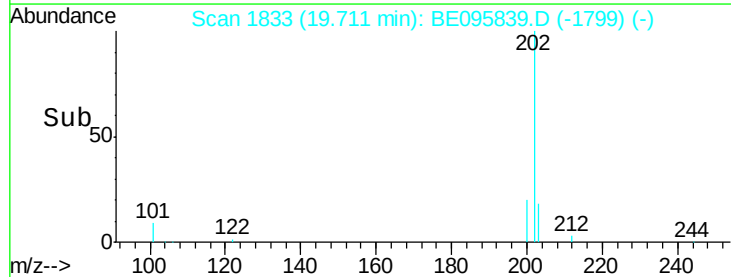
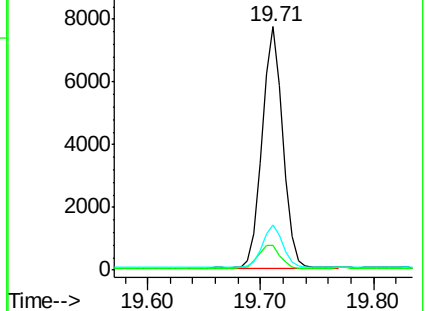
203 17.3 13.7 20.5

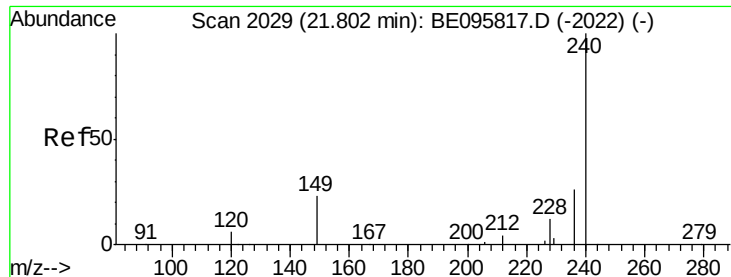


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.79 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BE095839.D

Acq: 26 Mar 2018 14:26

Instrument :

BNA_E

ClientSampleId :

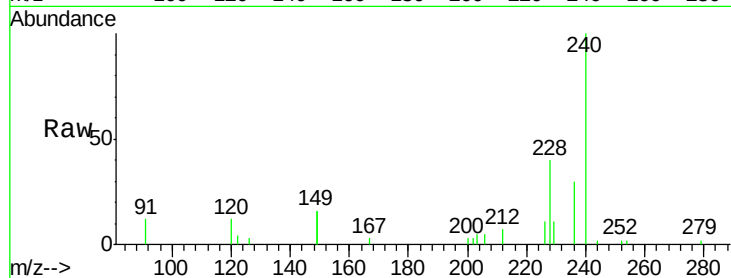
Tot Ion:240 Resp: 6549

Ion Ratio Lower Upper

240 100

120 12.5 5.5 8.3#

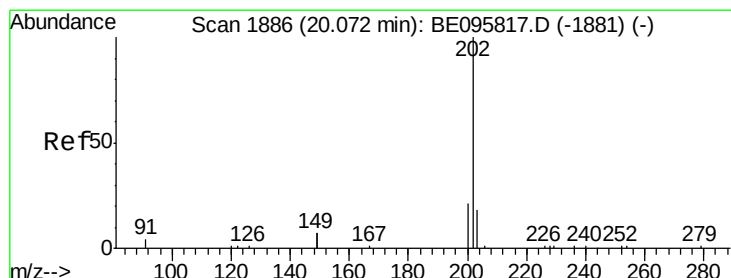
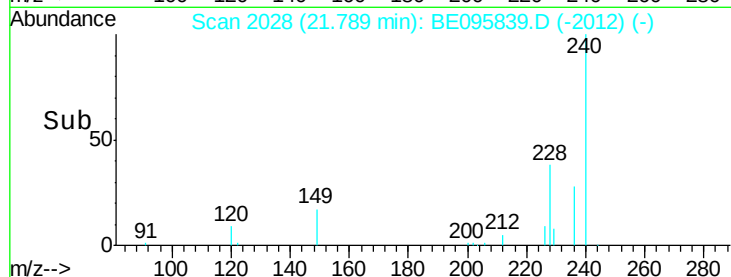
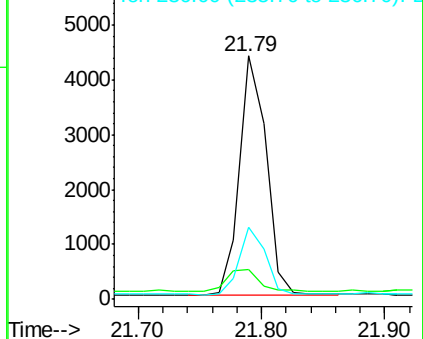
236 29.5 20.7 31.1



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: 0.428 ng

RT: 20.06 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BE095839.D

Acq: 26 Mar 2018 14:26

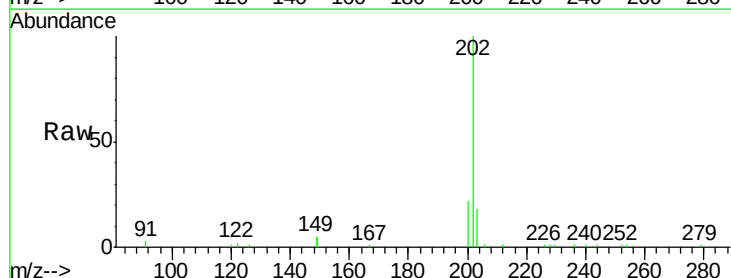
Tgt Ion:202 Resp: 11406

Ion Ratio Lower Upper

202 100

200 24.3 16.6 25.0

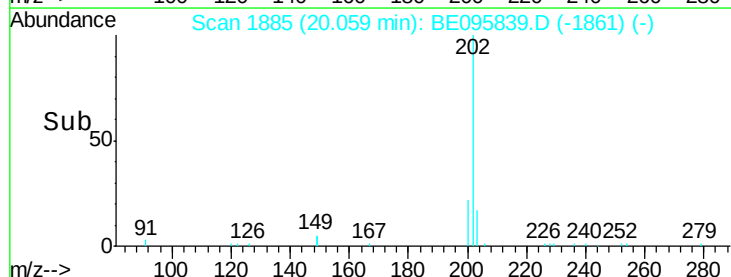
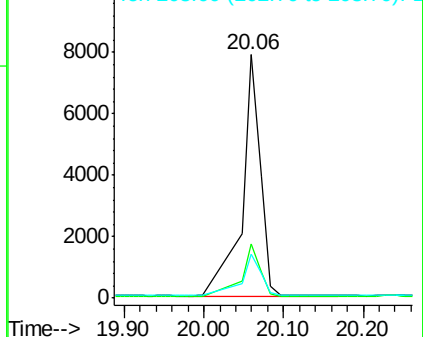
203 17.4 13.8 20.8

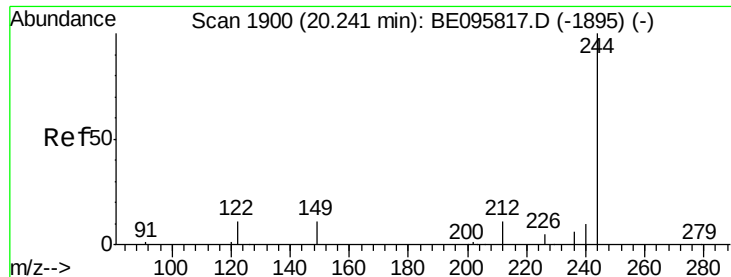


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.615 ng

RT: 20.24 min Scan# 1900

Delta R.T. -0.00 min

Lab File: BE095839.D

Acq: 26 Mar 2018 14:26

Instrument :

BNA_E

ClientSampleId :

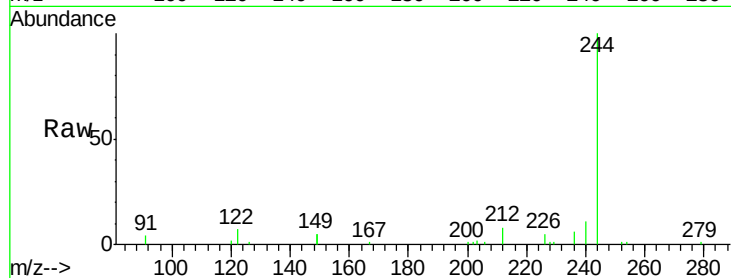
Tot Ion:244 Resp: 8548

Ion Ratio Lower Upper

244 100

212 8.4 25.4 38.0#

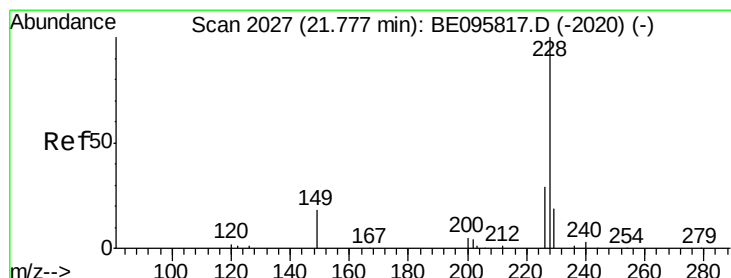
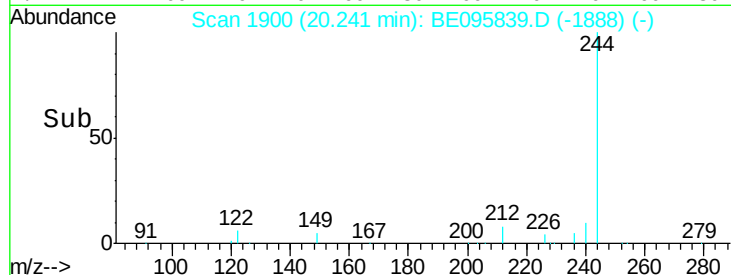
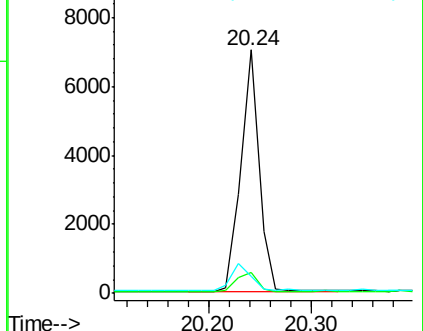
122 6.8 8.1 12.1#



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: 0.444 ng

RT: 21.78 min Scan# 2027

Delta R.T. -0.00 min

Lab File: BE095839.D

Acq: 26 Mar 2018 14:26

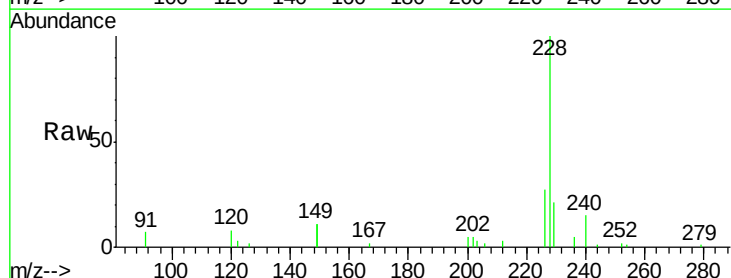
Tgt Ion:228 Resp: 10079

Ion Ratio Lower Upper

228 100

226 27.5 24.0 36.0

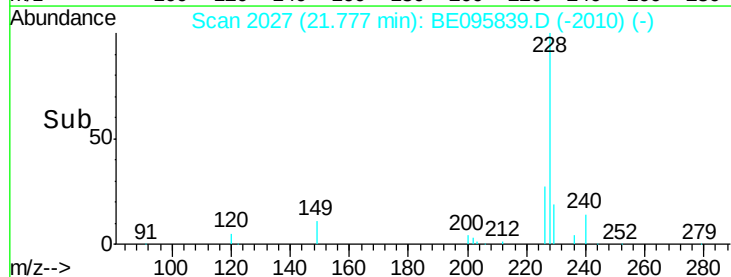
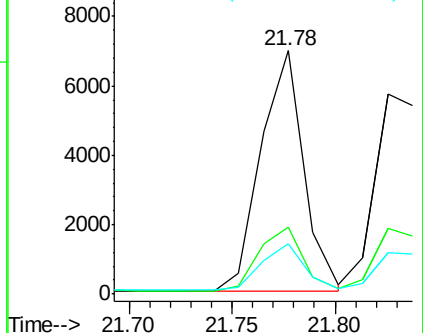
229 20.9 16.0 24.0

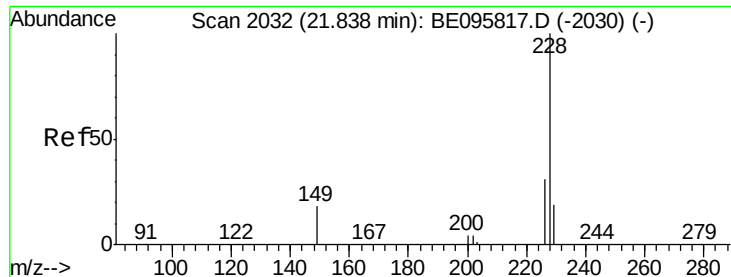


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.455 ng

RT: 21.83 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BE095839.D

Acq: 26 Mar 2018 14:26

Instrument :

BNA_E

ClientSampleId :

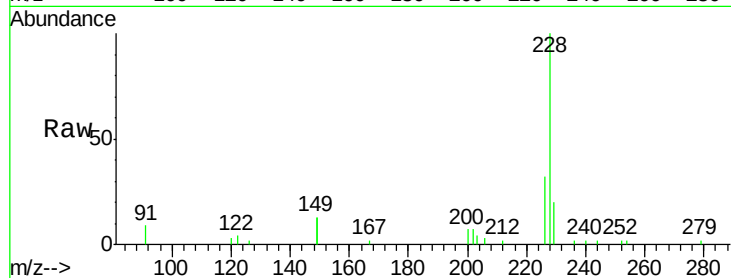
Tot Ion:228 Resp: 9429

Ion Ratio Lower Upper

228 100

226 32.5 24.0 36.0

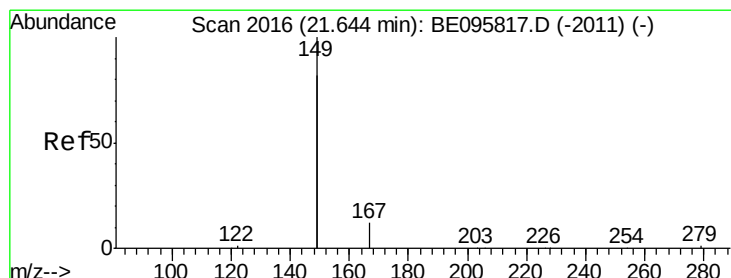
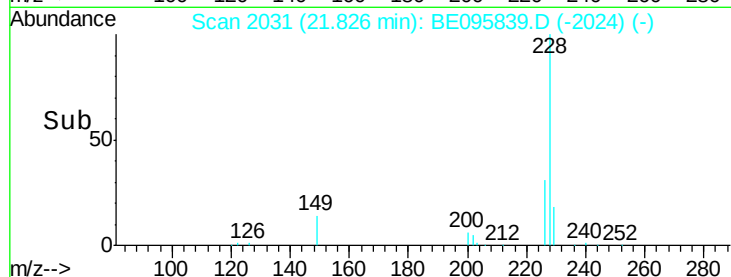
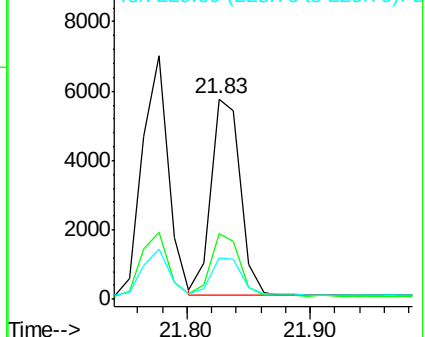
229 20.4 16.0 24.0



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: 0.386 ng

RT: 21.64 min Scan# 2016

Delta R.T. 0.00 min

Lab File: BE095839.D

Acq: 26 Mar 2018 14:26

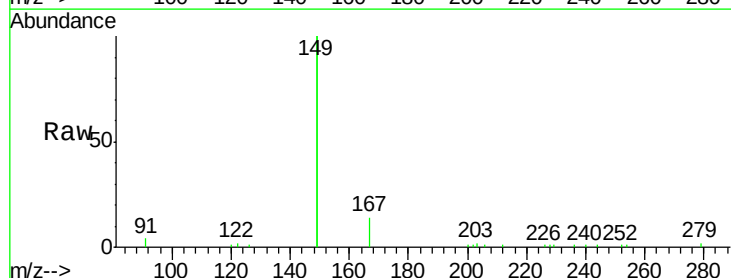
Tgt Ion:149 Resp: 26840

Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.0

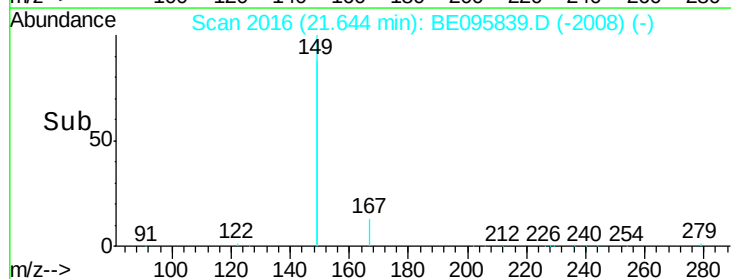
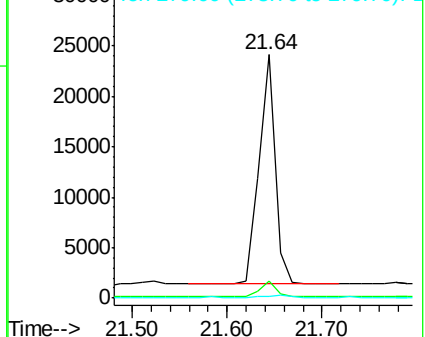
279 0.8 0.7 1.1

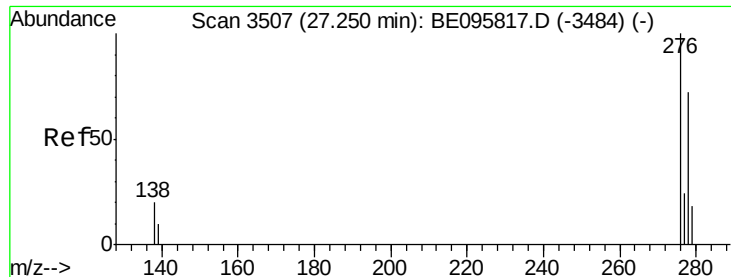


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

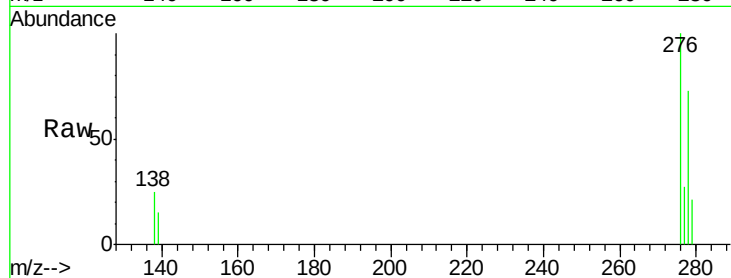




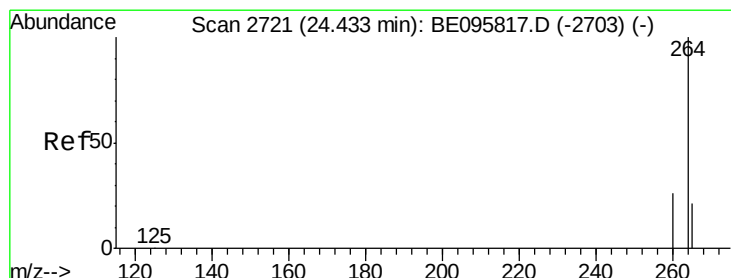
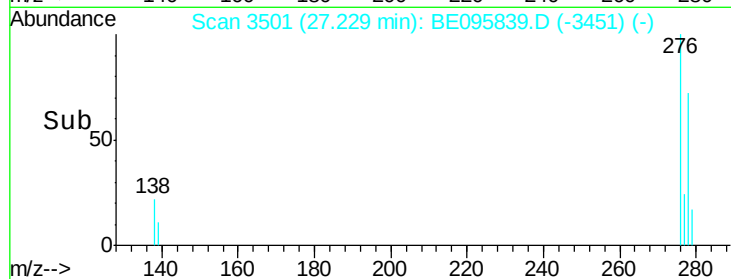
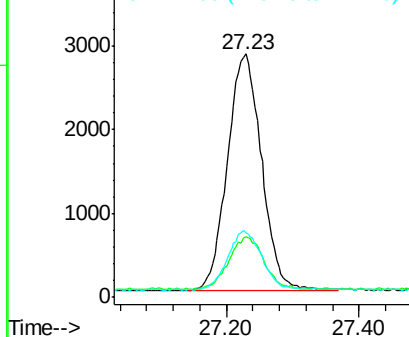
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.455 ng
RT: 27.23 min Scan# 3501
Delta R.T. -0.02 min
Lab File: BE095839.D
Acq: 26 Mar 2018 14:26

Instrument :
BNA_E
ClientSampleId :

Tot Ion:276 Resp: 10158
Ion Ratio Lower Upper
276 100
138 22.1 22.5 33.7#
277 24.8 19.9 29.9

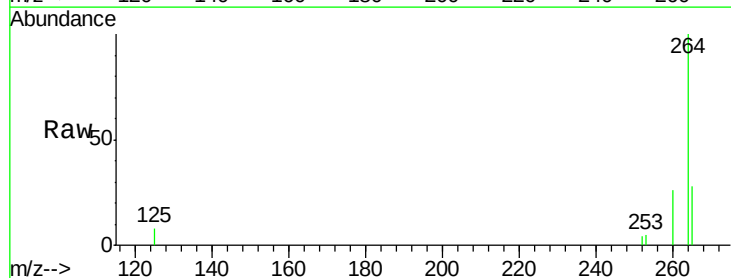


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

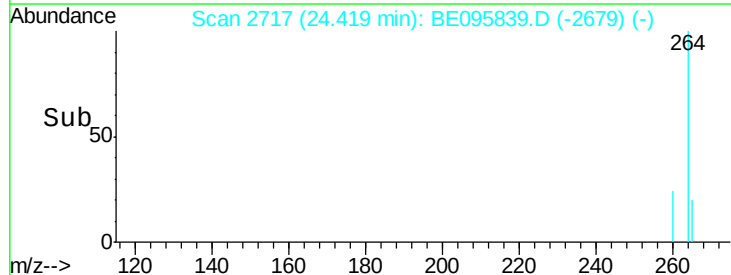
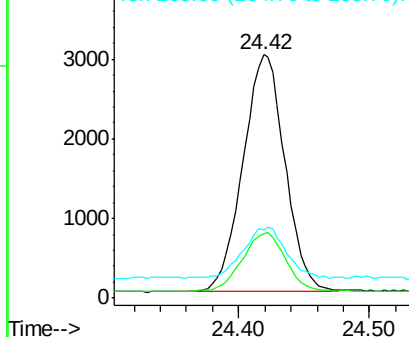


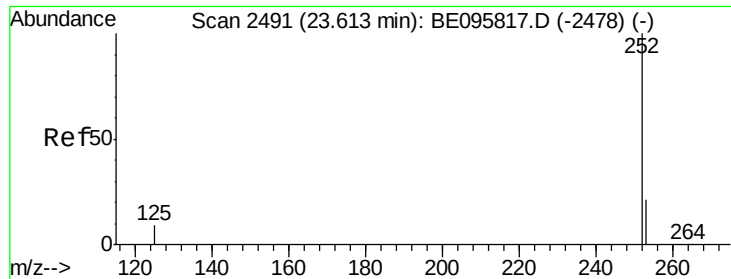
#34
Perylene-d12
Concen: 0.400 ng
RT: 24.42 min Scan# 2717
Delta R.T. -0.01 min
Lab File: BE095839.D
Acq: 26 Mar 2018 14:26

Tgt Ion:264 Resp: 6635
Ion Ratio Lower Upper
264 100
260 26.5 20.5 30.7
265 27.9 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: 0.425 ng

RT: 23.60 min Scan# 2488

Delta R.T. -0.01 min

Lab File: BE095839.D

Acq: 26 Mar 2018 14:26

Instrument :

BNA_E

ClientSampleId :

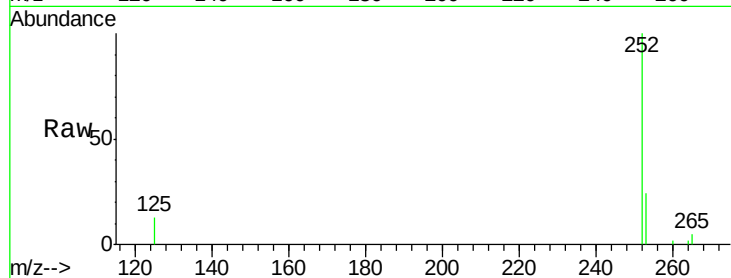
Tot Ion:252 Resp: 9334

Ion Ratio Lower Upper

252 100

253 23.8 20.0 30.0

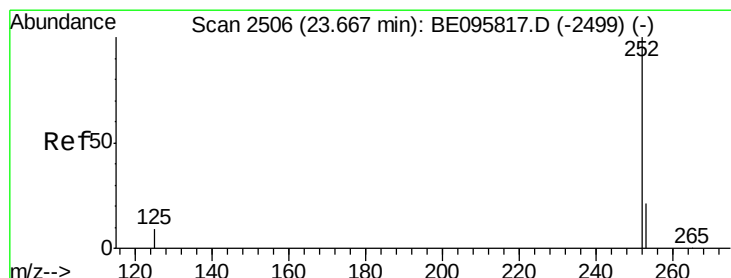
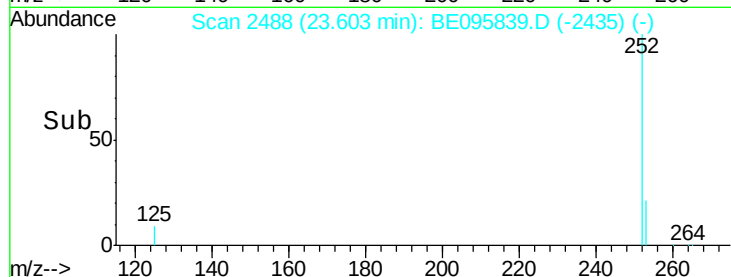
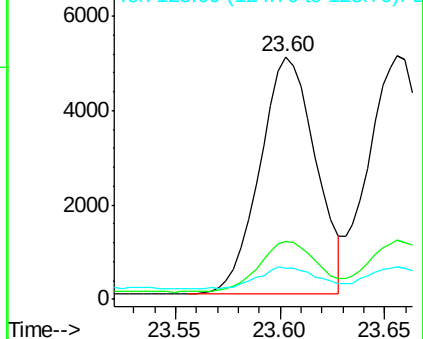
125 13.0 16.0 24.0#



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



#36

Benzo(k)fluoranthene

Concen: 0.426 ng

RT: 23.66 min Scan# 2503

Delta R.T. -0.01 min

Lab File: BE095839.D

Acq: 26 Mar 2018 14:26

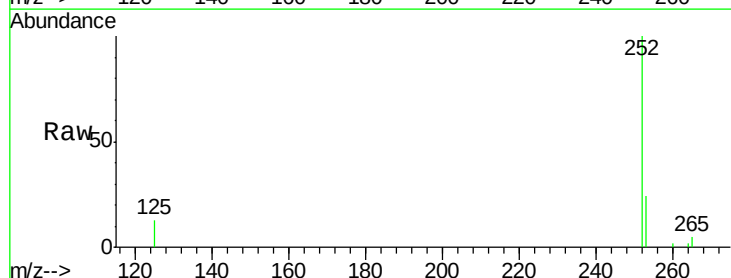
Tgt Ion:252 Resp: 9351

Ion Ratio Lower Upper

252 100

253 24.3 16.0 24.0#

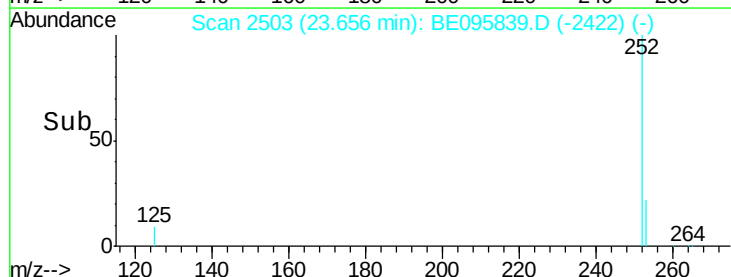
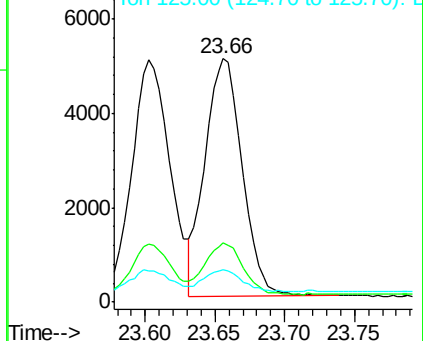
125 13.4 8.0 12.0#

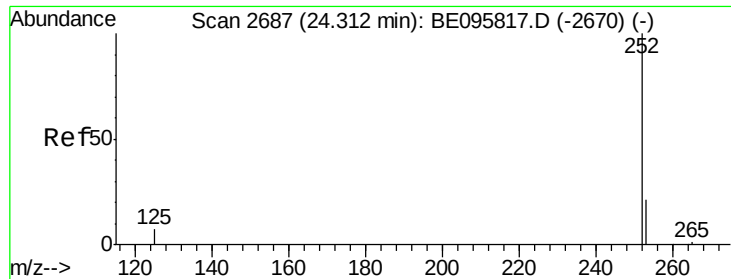


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.446 ng

RT: 24.30 min Scan# 2683

Delta R.T. -0.01 min

Lab File: BE095839.D

Acq: 26 Mar 2018 14:26

Instrument :

BNA_E

ClientSampleId :

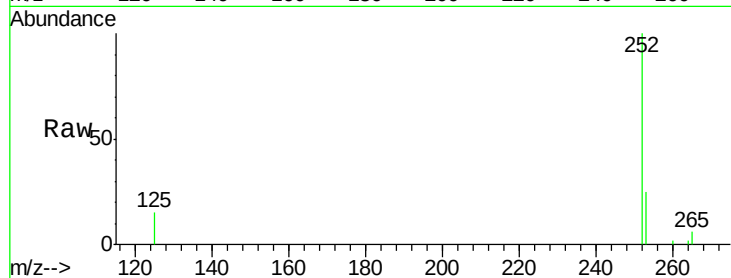
Tot Ion:252 Resp: 9166

Ion Ratio Lower Upper

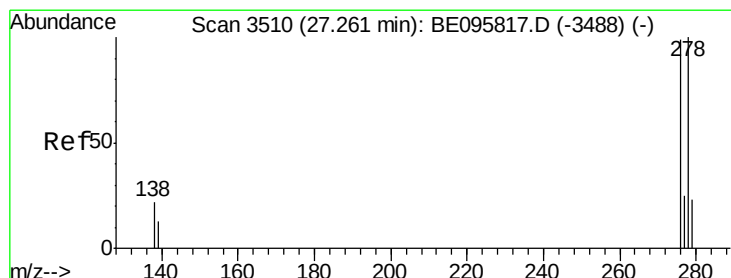
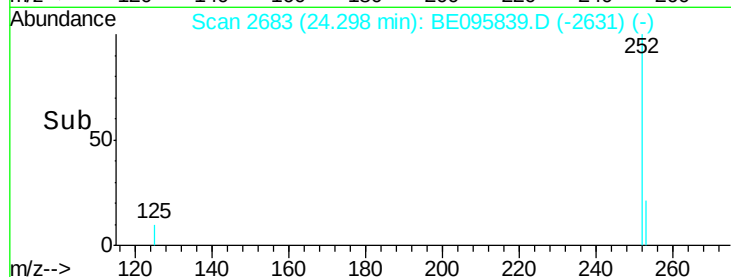
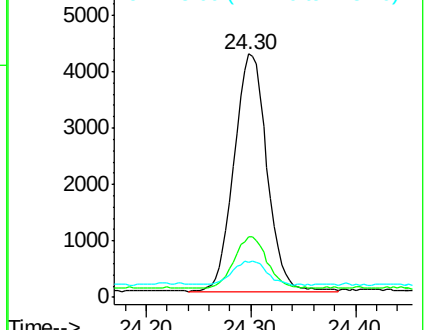
252 100

253 24.6 16.0 24.0#

125 14.6 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: 0.427 ng

RT: 27.25 min Scan# 3506

Delta R.T. -0.01 min

Lab File: BE095839.D

Acq: 26 Mar 2018 14:26

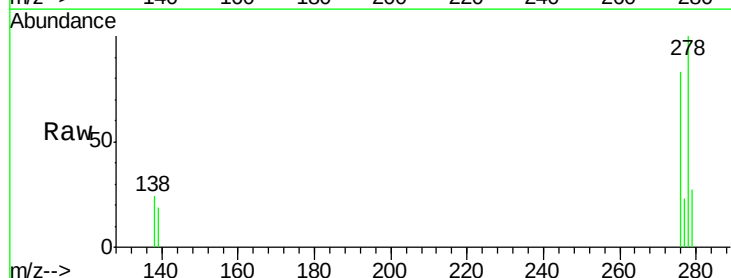
Tgt Ion:278 Resp: 8344

Ion Ratio Lower Upper

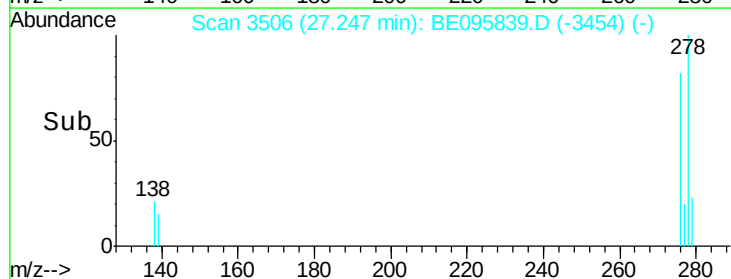
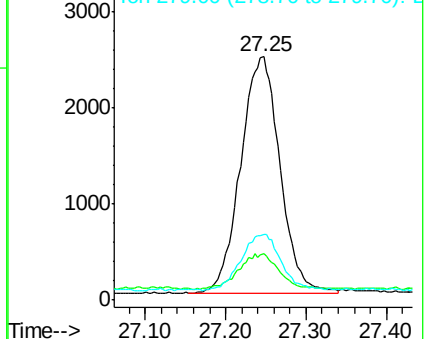
278 100

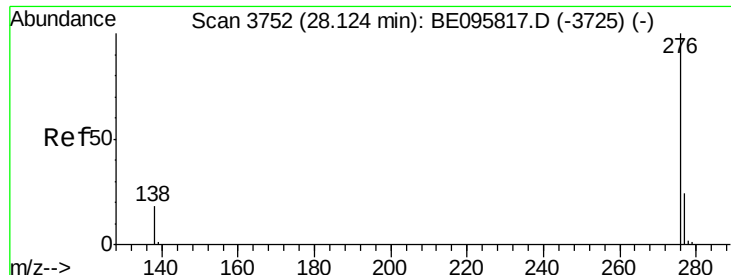
139 19.1 16.0 24.0

279 26.8 20.0 30.0



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





#39

Benzo(a,h,i)perylene

Concen: 0.431 ng

RT: 28.10 min Scan# 3745

Delta R.T. -0.03 min

Lab File: BE095839.D

Acq: 26 Mar 2018 14:26

Instrument :

BNA_E

ClientSampleId :

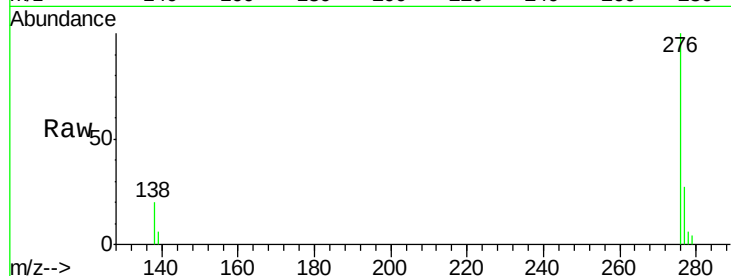
Tot Ion:276 Resp: 8457

Ion Ratio Lower Upper

276 100

277 27.1 16.0 24.0#

138 20.5 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

