

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE031319\
 Data File : BE098936.D
 Acq On : 14 Mar 2019 7:26
 Operator : JU/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 14 07:59:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE030619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 06 15:33:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	894	0.40	ng	0.00
7) Naphthalene-d8	10.59	136	4099	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	2661	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	6800	0.40	ng	-0.01
27) Chrysene-d12	21.39	240	8557	0.40	ng	-0.01
34) Perylene-d12	23.89	264	8428	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.40	112	1005	0.38	ng	0.01
5) Phenol-d6	6.99	99	1663	0.44	ng	0.00
8) Nitrobenzene-d5	8.96	82	1966	0.46	ng	0.00
11) 2-Methylnaphthalene-d10	12.20	152	2730	0.36	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	551	0.41	ng	-0.01
15) 2-Fluorobiphenyl	13.07	172	5569	0.51	ng	-0.01
25) Fluoranthene-d10	19.24	212	39071	0.36	ng	0.00
29) Terphenyl-d14	19.84	244	10713	0.52	ng	0.00

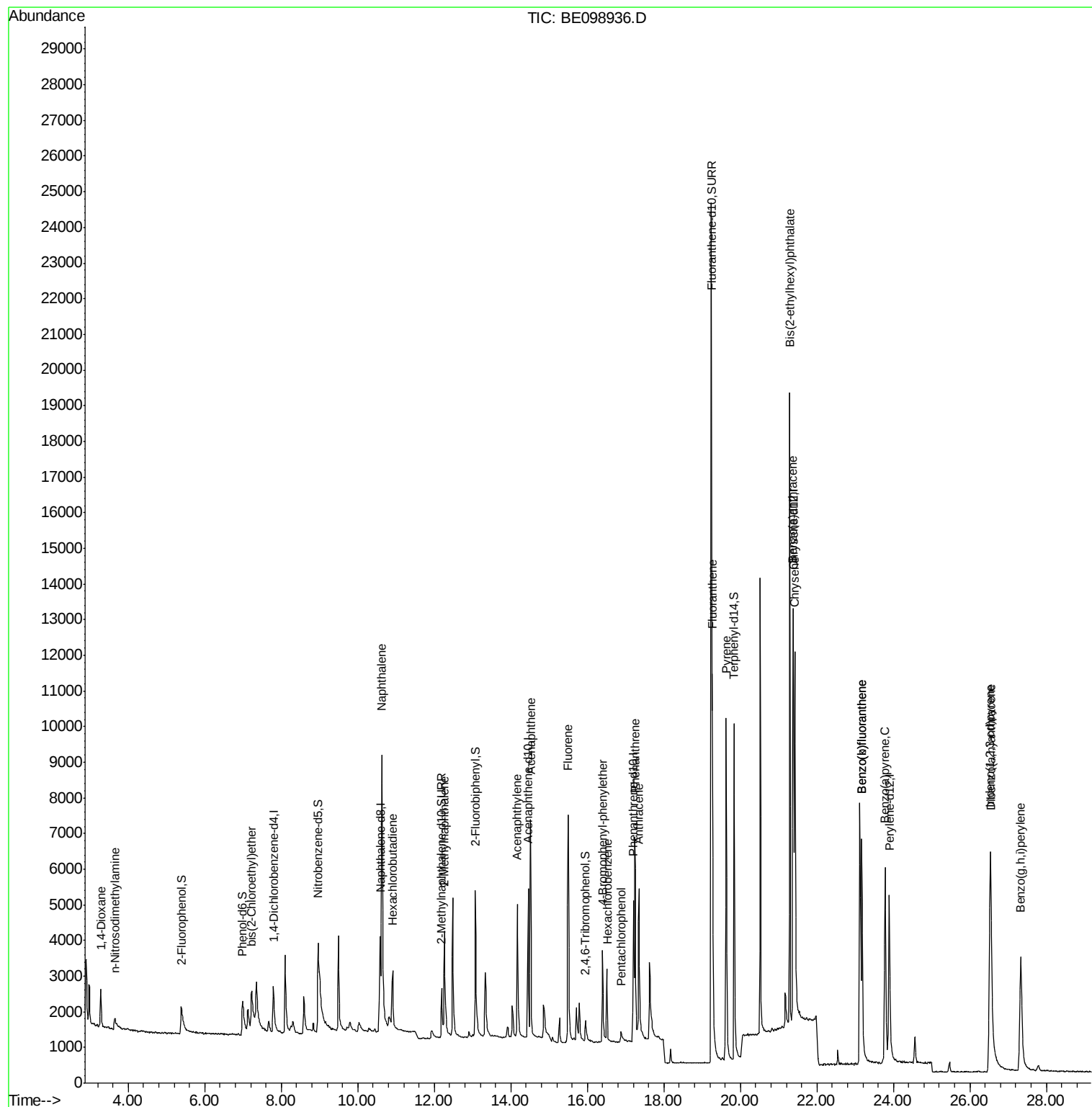
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.29	88	820	0.491	ng	90
3) n-Nitrosodimethylamine	3.66	42	474	0.211	ng	# 14
6) bis(2-Chloroethyl)ether	7.23	93	975	0.335	ng	# 96
9) Naphthalene	10.63	128	18214	0.388	ng	100
10) Hexachlorobutadiene	10.91	225	1172	0.377	ng	99
12) 2-Methylnaphthalene	12.27	142	2798	0.367	ng	98
16) Acenaphthylene	14.17	152	5198	0.380	ng	97
17) Acenaphthene	14.51	154	3150	0.388	ng	99
18) Fluorene	15.50	166	4475	0.382	ng	99
20) 4-Bromophenyl-phenylether	16.40	248	1390	0.377	ng	91
21) Hexachlorobenzene	16.52	284	1748	0.399	ng	95
22) Pentachlorophenol	16.88	266	320	0.479	ng	92
23) Phenanthrene	17.24	178	7483	0.387	ng	98
24) Anthracene	17.35	178	6105	0.370	ng	99
26) Fluoranthene	19.27	202	10140	0.372	ng	99
28) Pyrene	19.63	202	10636	0.406	ng	99
30) Benzo(a)anthracene	21.38	228	9626	0.360	ng	97
31) Chrysene	21.43	228	11120	0.389	ng	98
32) Bis(2-ethylhexyl)phthalate	21.29	149	18194	0.320	ng	99
33) Indeno(1,2,3-cd)pyrene	26.53	276	11640	0.386	ng	98
35) Benzo(b)fluoranthene	23.17	252	11082	0.400	ng	98
36) Benzo(k)fluoranthene	23.17	252	11452	0.395	ng	99
37) Benzo(a)pyrene	23.78	252	10214	0.384	ng	# 92
38) Dibenzo(a,h)anthracene	26.55	278	9024	0.359	ng	98
39) Benzo(g,h,i)perylene	27.33	276	9847	0.375	ng	98

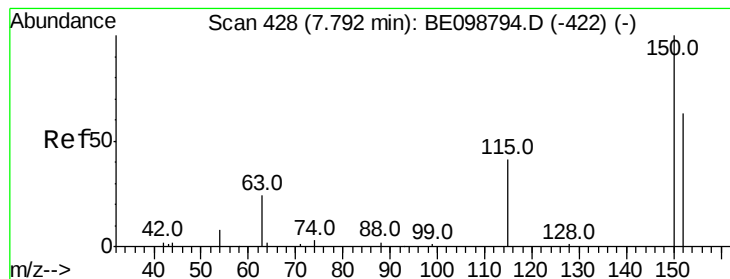
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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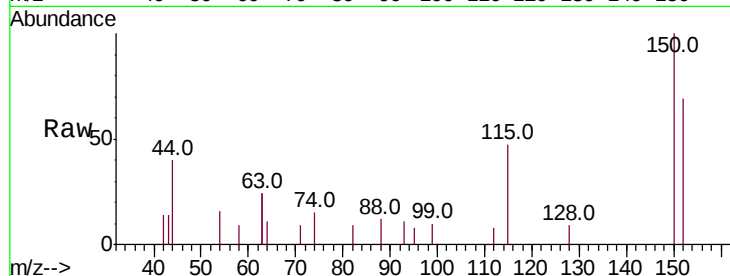


#1

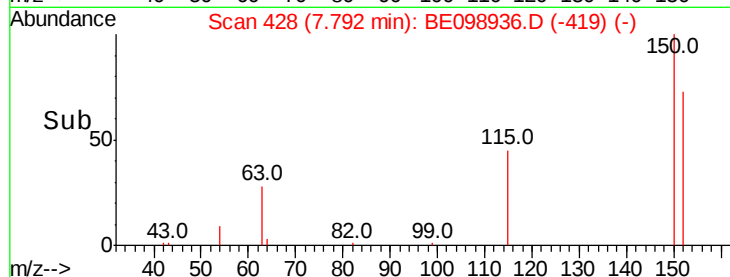
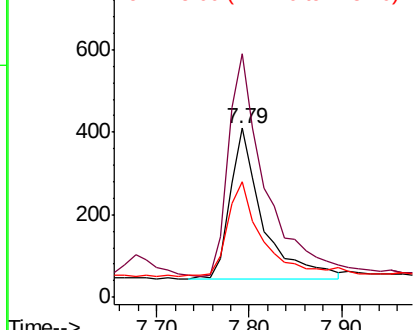
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.79 min Scan# 428
Delta R.T. 0.00 min
Lab File: BE098936.D
Acq: 14 Mar 2019 7:26

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 894
Ion Ratio Lower Upper
152 100
150 143.9 122.5 183.7
115 68.3 57.4 86.2



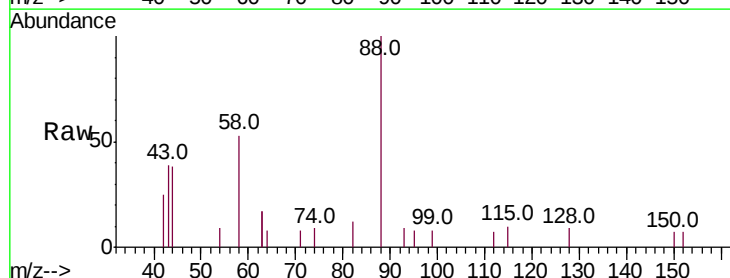
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



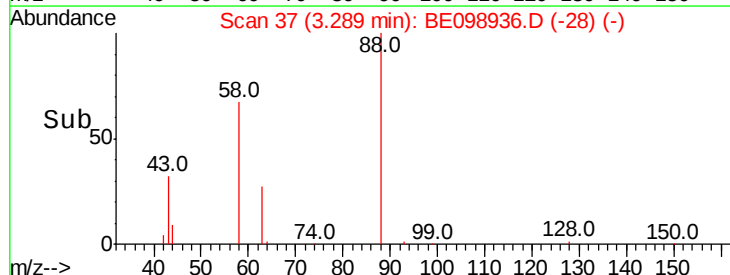
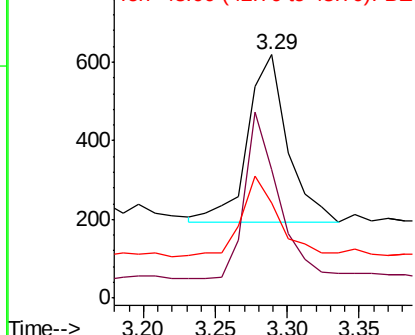
#2

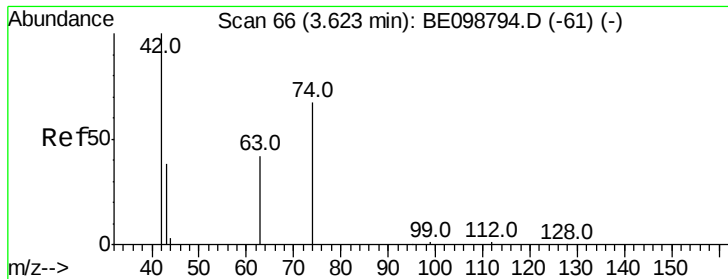
1,4-Dioxane
Concen: 0.491 ng
RT: 3.29 min Scan# 37
Delta R.T. 0.00 min
Lab File: BE098936.D
Acq: 14 Mar 2019 7:26

Tgt Ion: 88 Resp: 820
Ion Ratio Lower Upper
88 100
58 84.0 75.8 113.6
43 46.7 41.8 62.8



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



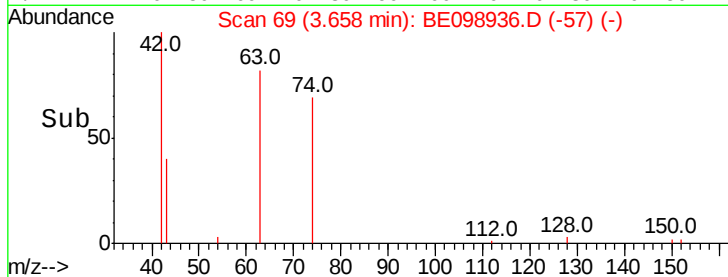
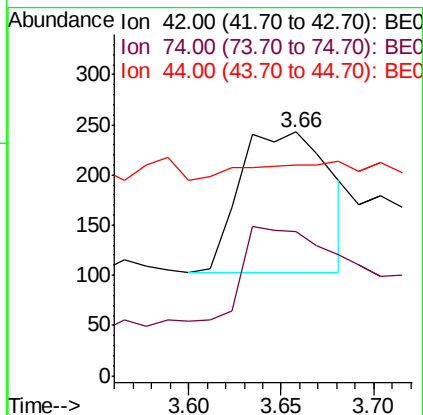
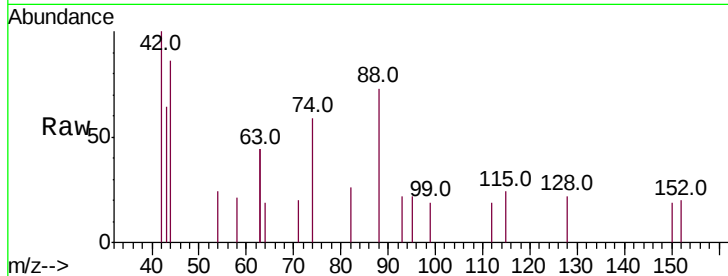


#3

n-Nitrosodimethylamine
 Concen: 0.211 ng
 RT: 3.66 min Scan# 69
 Delta R.T. 0.03 min
 Lab File: BE098936.D
 Acq: 14 Mar 2019 7:26

Instrument :
 BNA_E
 ClientSampleId :

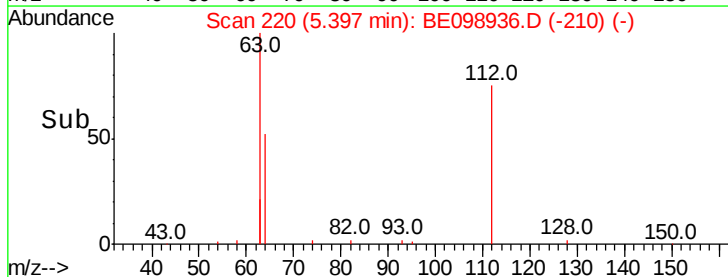
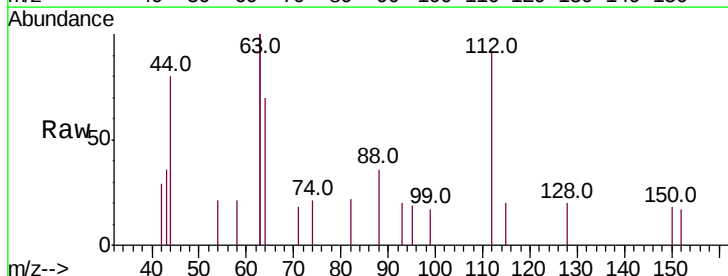
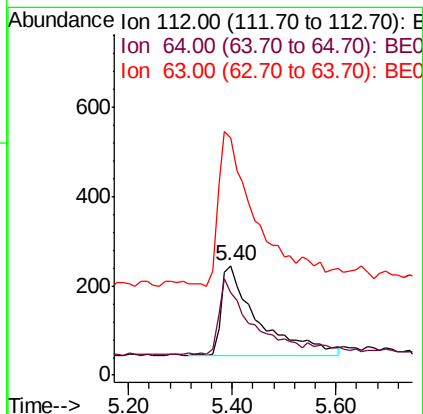
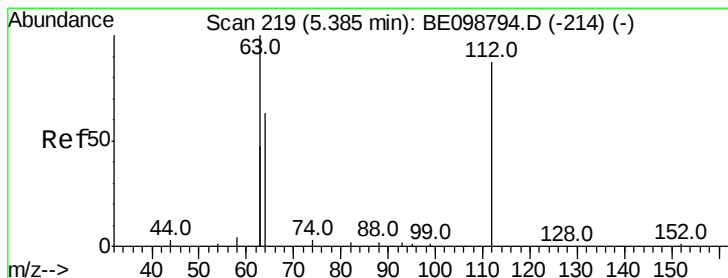
Tot Ion: 42 Resp: 474
 Ion Ratio Lower Upper
 42 100
 74 0.0 57.0 85.4#
 44 3.4 0.0 0.0#

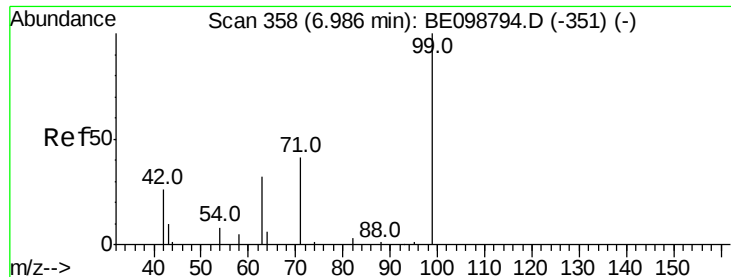


#4

2-Fluorophenol
 Concen: 0.376 ng
 RT: 5.40 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: BE098936.D
 Acq: 14 Mar 2019 7:26

Tgt Ion: 112 Resp: 1005
 Ion Ratio Lower Upper
 112 100
 64 72.6 57.9 86.9
 63 158.4 158.3 237.5





#5

Phenol-d6

Concen: 0.440 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.00 min

Lab File: BE098936.D

Acq: 14 Mar 2019 7:26

Instrument :

BNA_E

ClientSampleId :

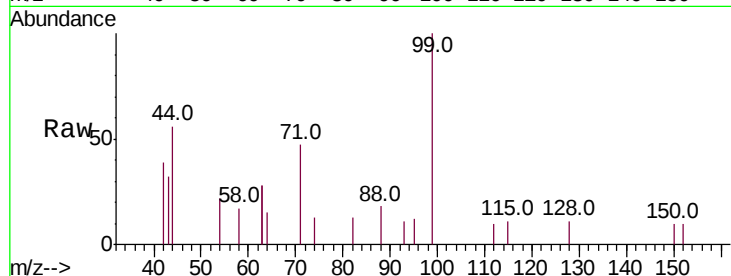
Tot Ion: 99 Resp: 1663

Ion Ratio Lower Upper

99 100

42 28.5 24.2 36.2

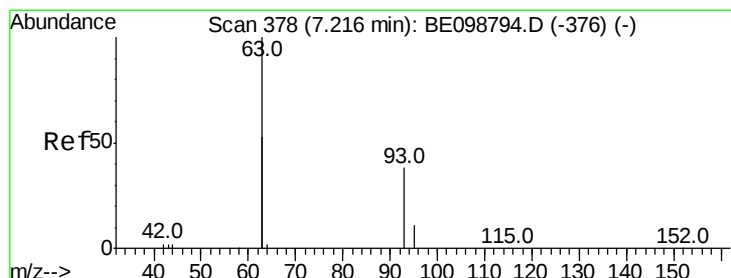
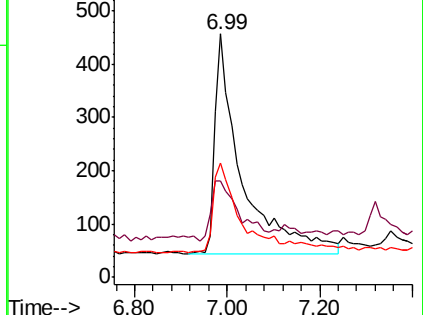
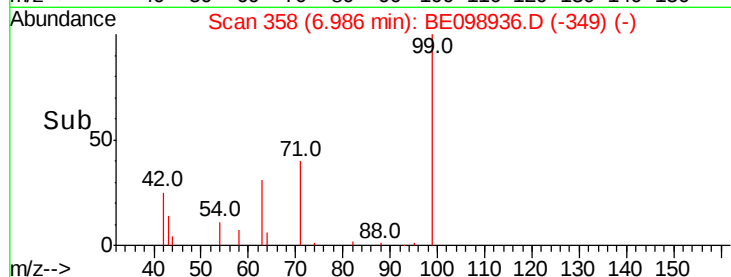
71 39.4 35.7 53.5



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: 0.335 ng

RT: 7.23 min Scan# 379

Delta R.T. 0.01 min

Lab File: BE098936.D

Acq: 14 Mar 2019 7:26

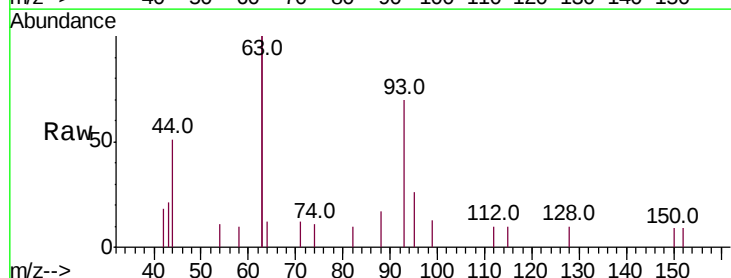
Tgt Ion: 93 Resp: 975

Ion Ratio Lower Upper

93 100

63 315.3 247.5 371.3

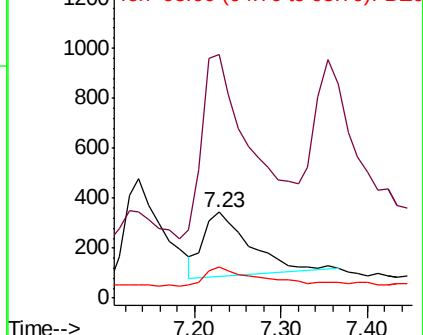
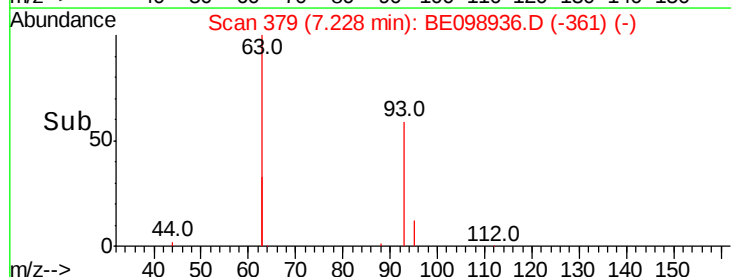
95 33.6 21.8 32.8#

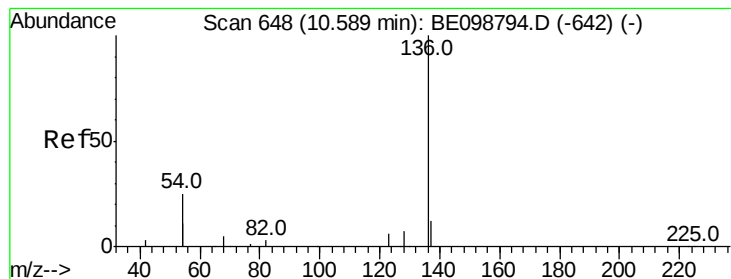


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.59 min Scan# 648

Delta R.T. -0.00 min

Lab File: BE098936.D

Acq: 14 Mar 2019 7:26

Instrument :

BNA_E

ClientSampled :

Tot Ion:136 Resp: 4099

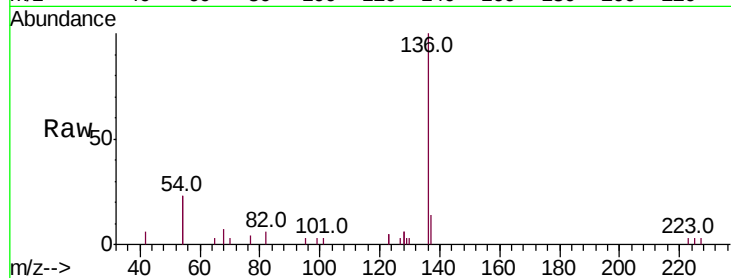
Ion Ratio Lower Upper

136 100

137 13.8 11.4 17.0

54 46.0 39.3 58.9

68 7.4 6.7 10.1

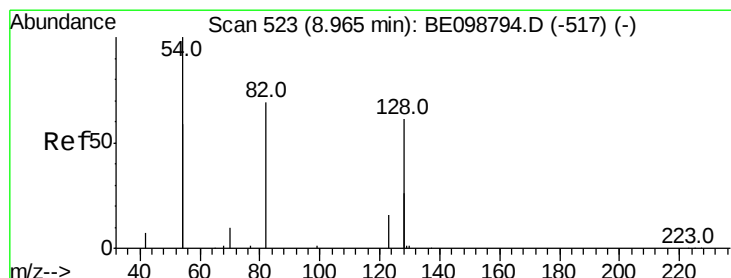
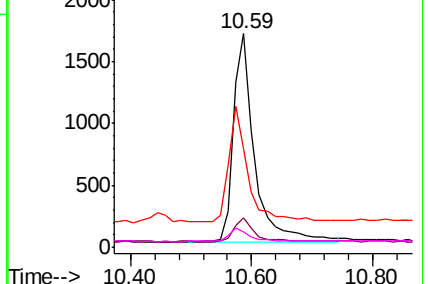
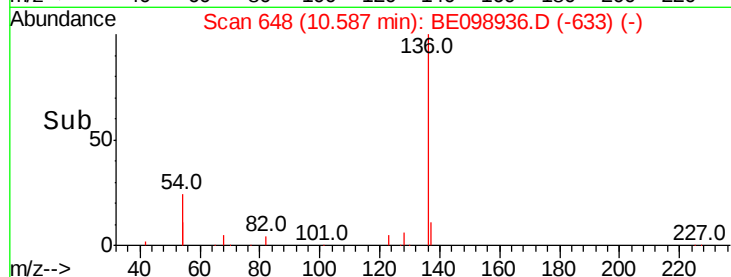


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.457 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE098936.D

Acq: 14 Mar 2019 7:26

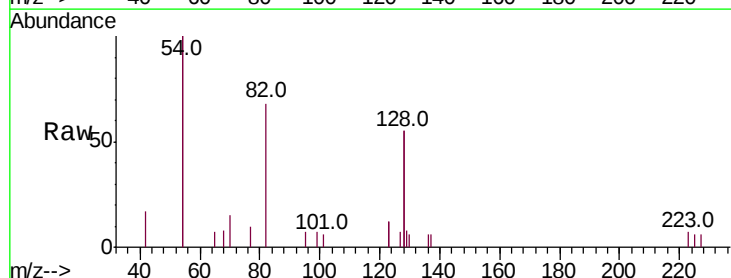
Tgt Ion: 82 Resp: 1966

Ion Ratio Lower Upper

82 100

128 161.7 123.8 185.8

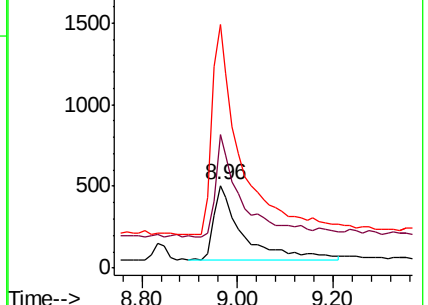
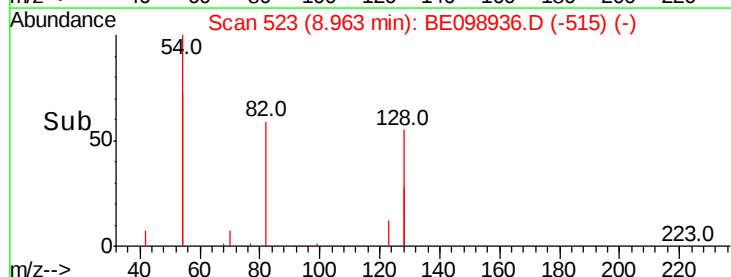
54 294.5 203.4 305.2

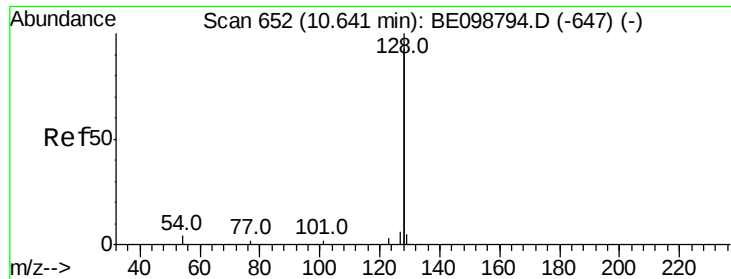


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.388 ng

RT: 10.63 min Scan# 651

Delta R.T. -0.01 min

Lab File: BE098936.D

Acq: 14 Mar 2019 7:26

Instrument :

BNA_E

ClientSampleId :

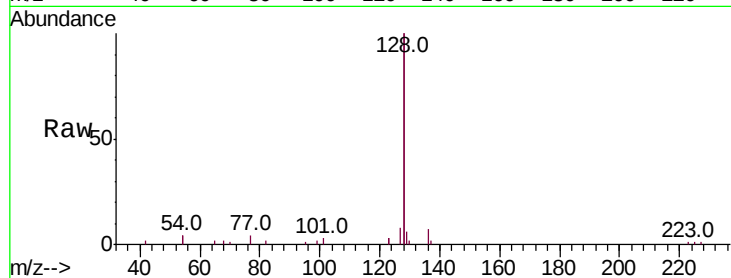
Tot Ion:128 Resp: 18214

Ion Ratio Lower Upper

128 100

129 3.2 2.6 4.0

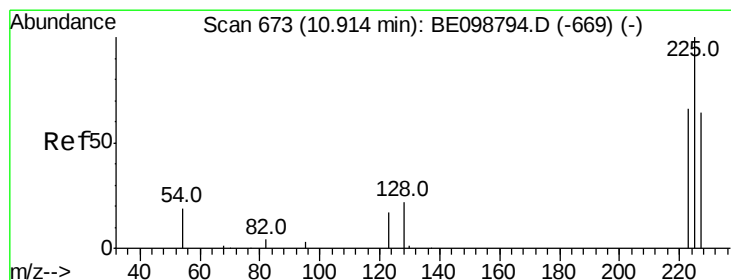
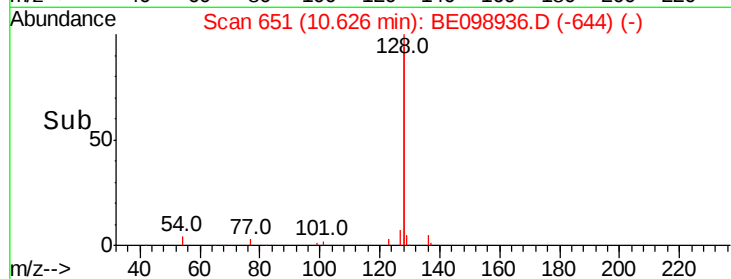
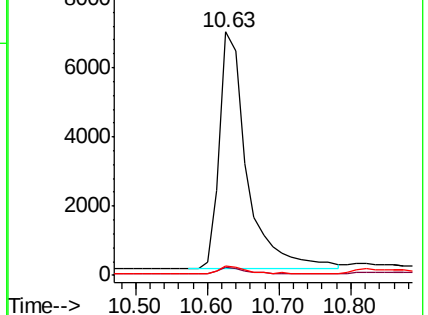
127 4.0 3.1 4.7



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: 0.377 ng

RT: 10.91 min Scan# 673

Delta R.T. -0.00 min

Lab File: BE098936.D

Acq: 14 Mar 2019 7:26

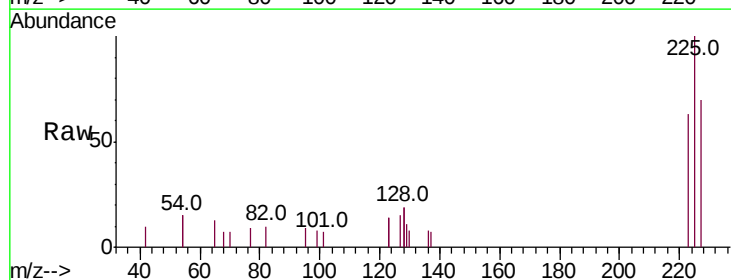
Tgt Ion:225 Resp: 1172

Ion Ratio Lower Upper

225 100

223 63.1 51.1 76.7

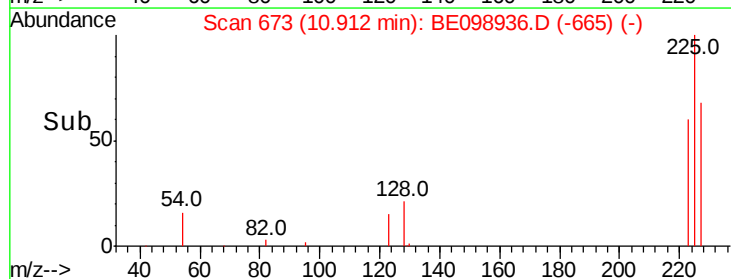
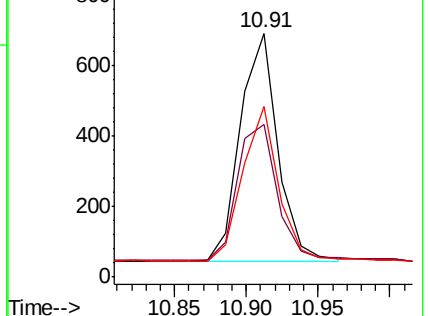
227 65.4 51.6 77.4

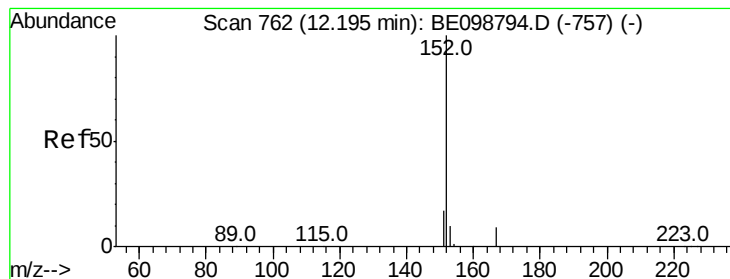


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.360 ng

RT: 12.20 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE098936.D

Acq: 14 Mar 2019 7:26

Instrument :

BNA_E

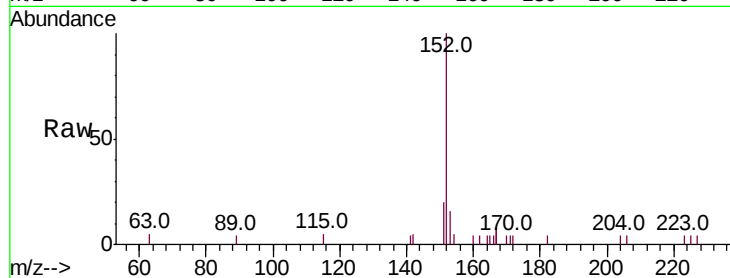
ClientSampleId :

Tot Ion:152 Resp: 2730

Ion Ratio Lower Upper

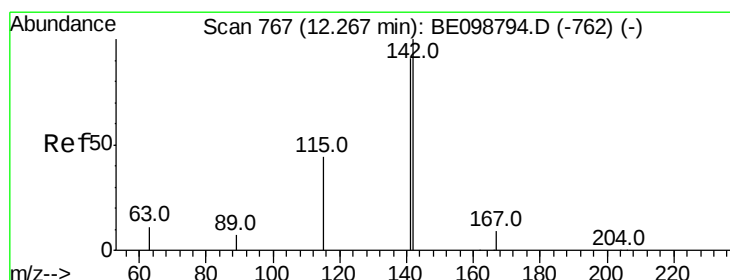
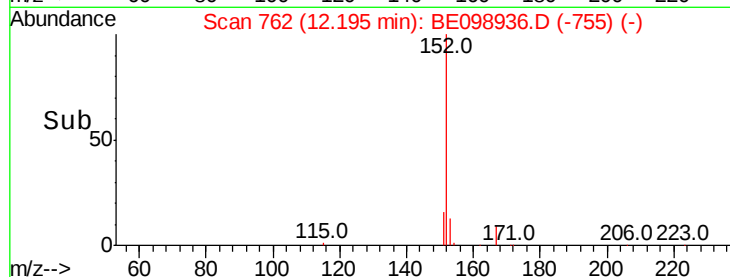
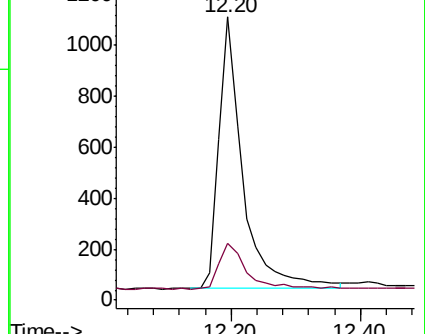
152 100

151 19.4 16.5 24.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.367 ng

RT: 12.27 min Scan# 767

Delta R.T. 0.00 min

Lab File: BE098936.D

Acq: 14 Mar 2019 7:26

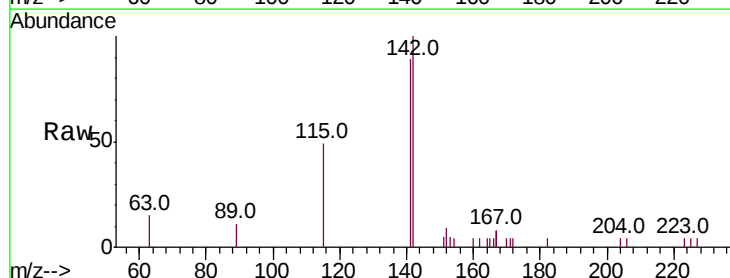
Tgt Ion:142 Resp: 2798

Ion Ratio Lower Upper

142 100

141 89.1 72.6 108.8

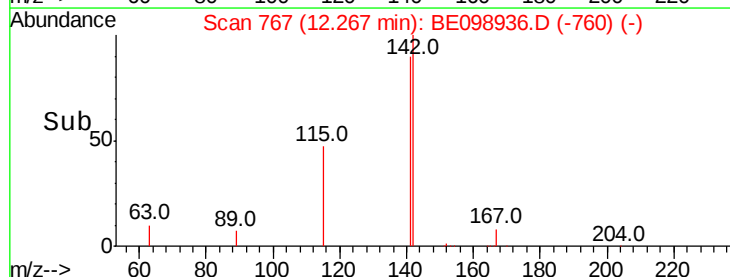
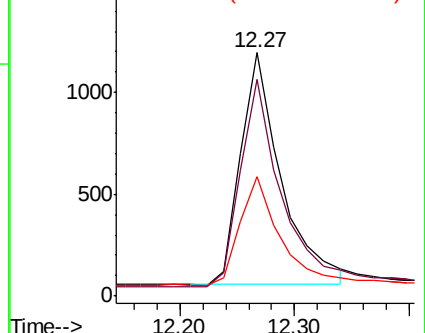
115 49.2 37.4 56.2

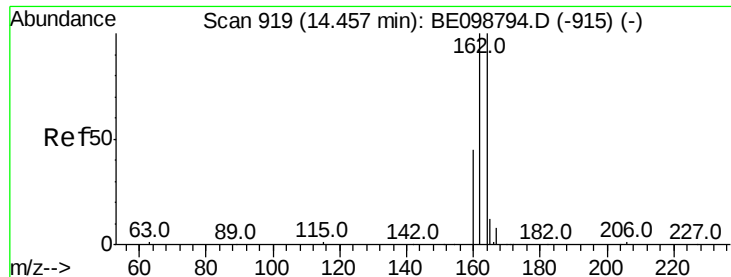


Abundance Ion 142.00 (141.70 to 142.70): E

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: 14.46 min Scan# 919

Delta R.T. 0.00 min

Lab File: BE098936.D

Acq: 14 Mar 2019 7:26

Instrument :

BNA_E

ClientSampleId :

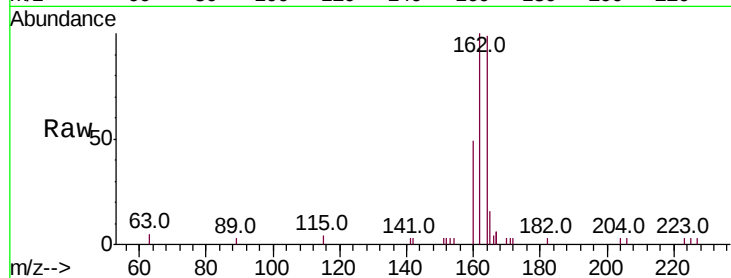
Tot Ion:164 Resp: 2661

Ion Ratio Lower Upper

164 100

162 101.2 80.2 120.2

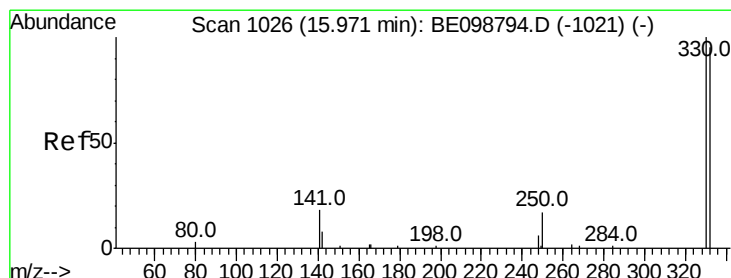
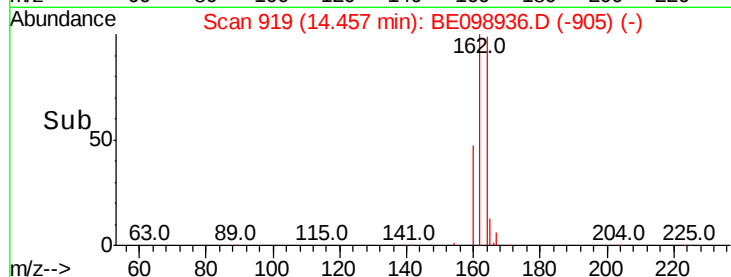
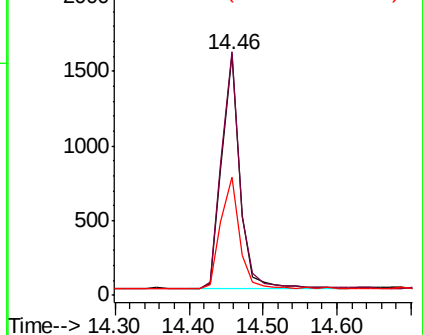
160 49.3 37.8 56.8



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: 0.410 ng

RT: 15.96 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BE098936.D

Acq: 14 Mar 2019 7:26

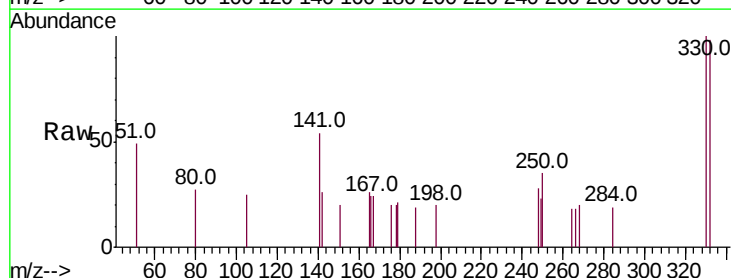
Tgt Ion:330 Resp: 551

Ion Ratio Lower Upper

330 100

332 90.2 77.6 116.4

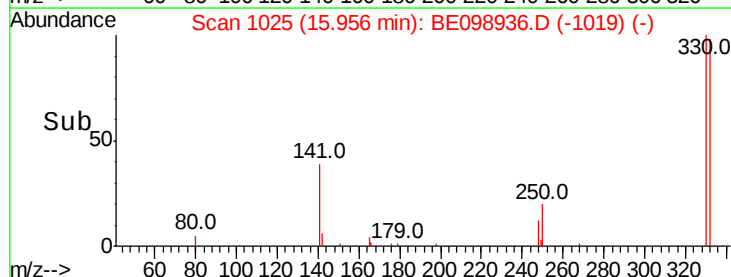
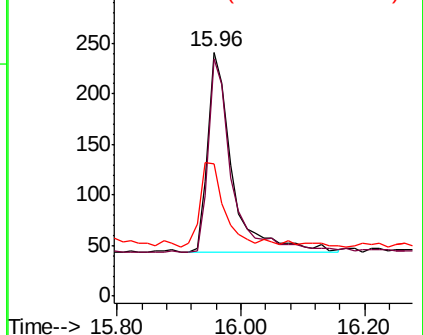
141 42.5 31.0 46.4

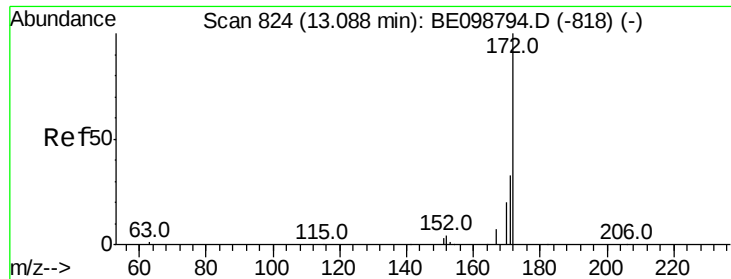


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

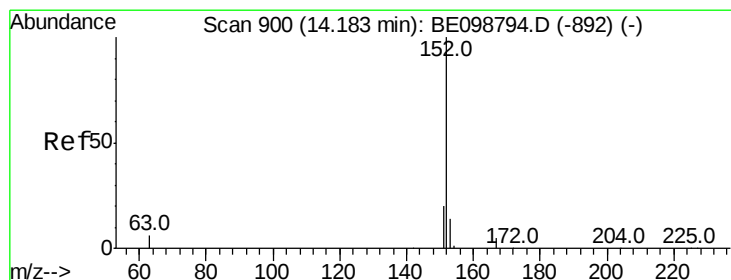
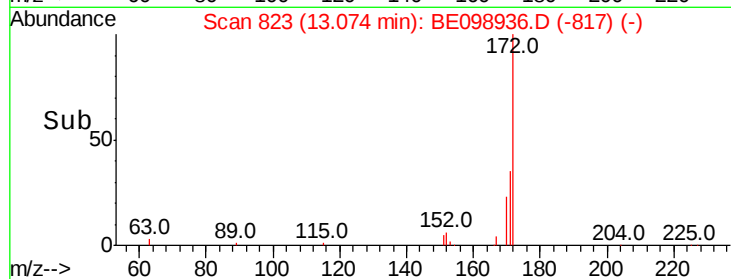
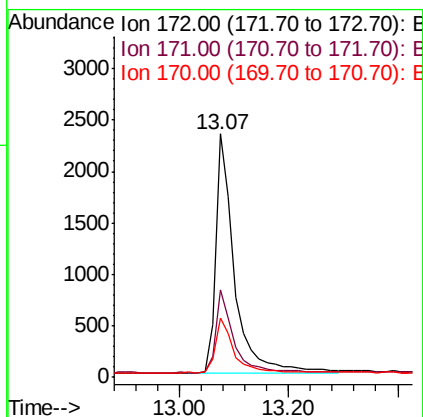
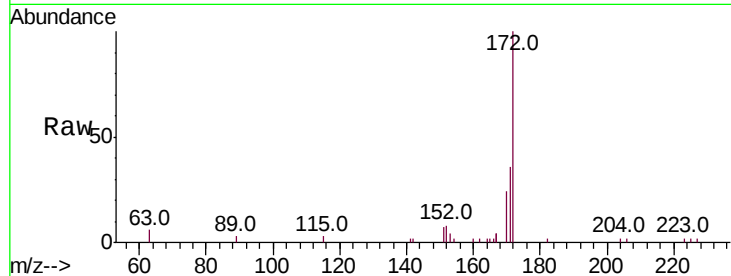




#15
2-Fluorobiphenyl
Concen: 0.505 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.01 min
Lab File: BE098936.D
Acq: 14 Mar 2019 7:26

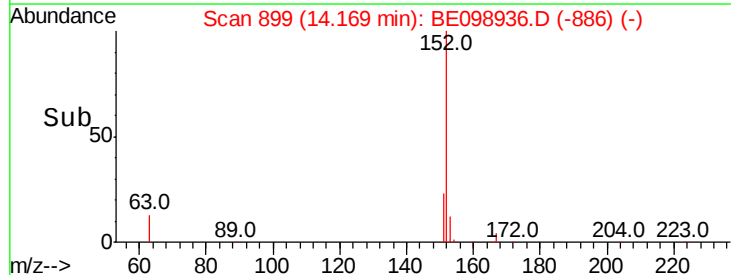
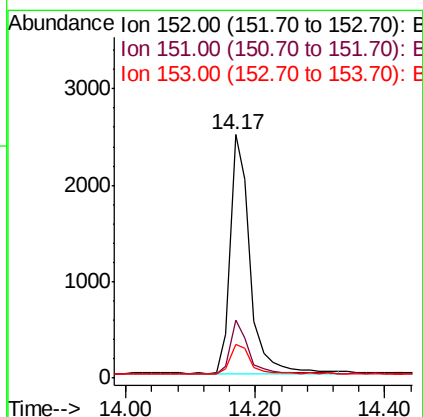
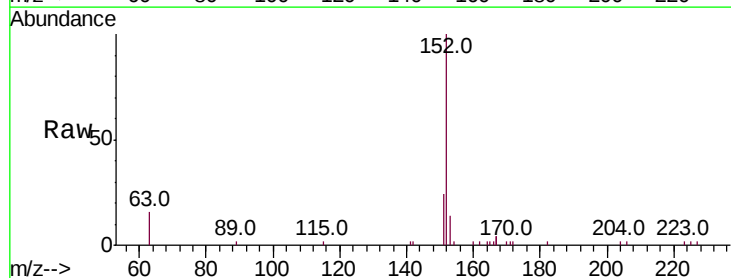
Instrument :
BNA_E
ClientSampleId :

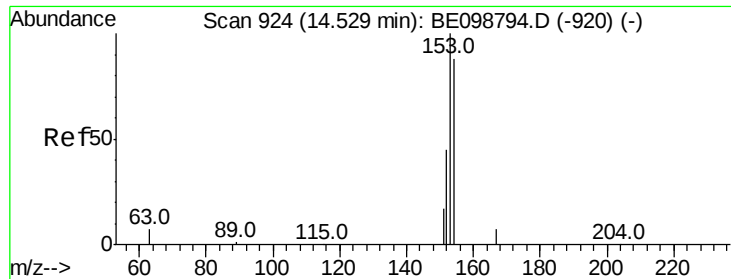
Tot Ion:172 Resp: 5569
Ion Ratio Lower Upper
172 100
171 36.0 28.0 42.0
170 24.4 17.7 26.5



#16
Acenaphthylene
Concen: 0.380 ng
RT: 14.17 min Scan# 899
Delta R.T. -0.01 min
Lab File: BE098936.D
Acq: 14 Mar 2019 7:26

Tgt Ion:152 Resp: 5198
Ion Ratio Lower Upper
152 100
151 20.2 17.0 25.6
153 12.1 11.2 16.8

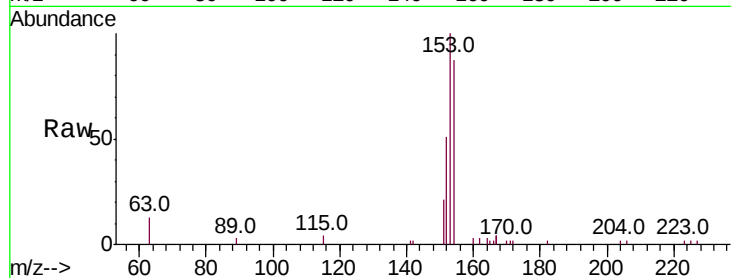




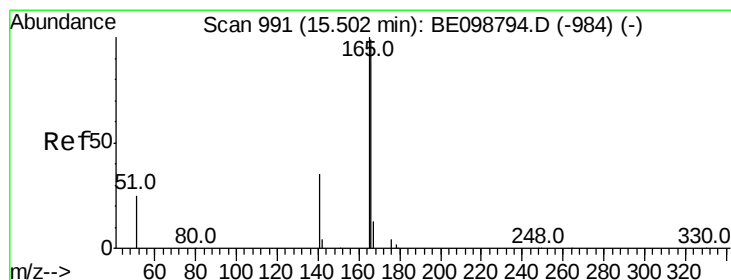
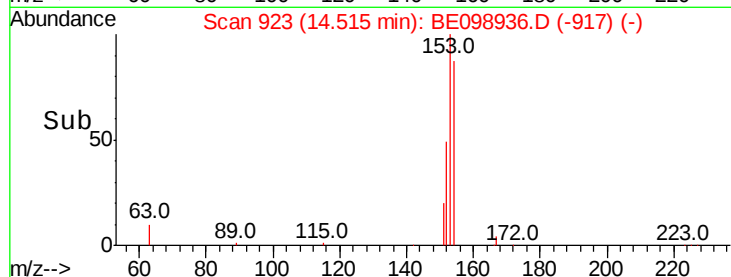
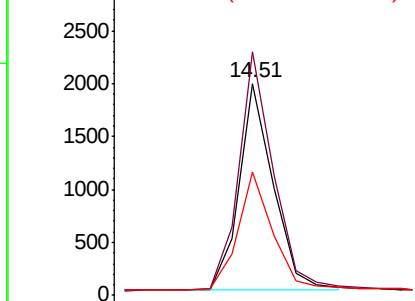
#17
Acenaphthene
Concen: 0.388 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.01 min
Lab File: BE098936.D
Acq: 14 Mar 2019 7:26

Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 3150
Ion Ratio Lower Upper
154 100
153 116.6 94.2 141.4
152 57.8 45.0 67.4

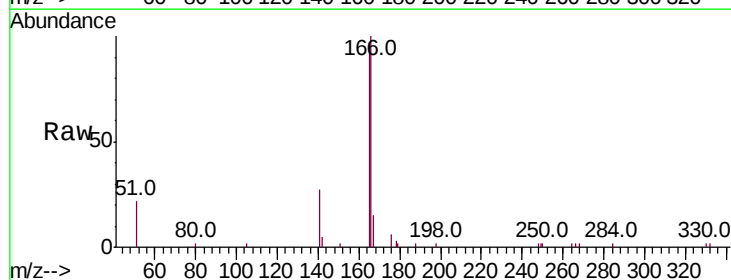


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

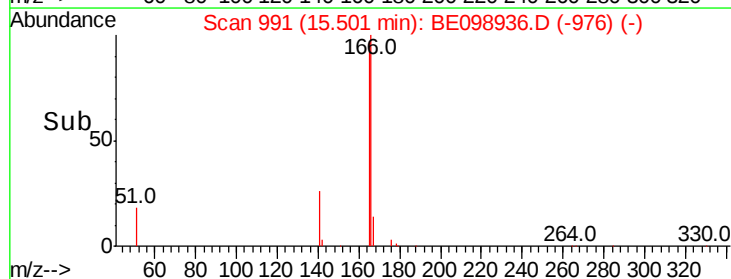
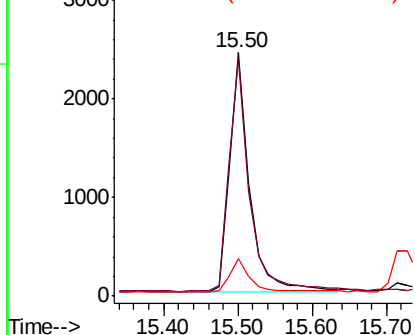


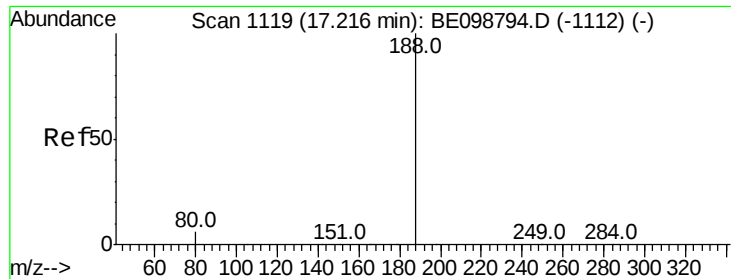
#18
Fluorene
Concen: 0.382 ng
RT: 15.50 min Scan# 991
Delta R.T. -0.00 min
Lab File: BE098936.D
Acq: 14 Mar 2019 7:26

Tgt Ion:166 Resp: 4475
Ion Ratio Lower Upper
166 100
165 100.1 79.3 118.9
167 13.9 10.5 15.7



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: 17.20 min Scan# 1118

Delta R.T. -0.01 min

Lab File: BE098936.D

Acq: 14 Mar 2019 7:26

Instrument :

BNA_E

ClientSampleId :

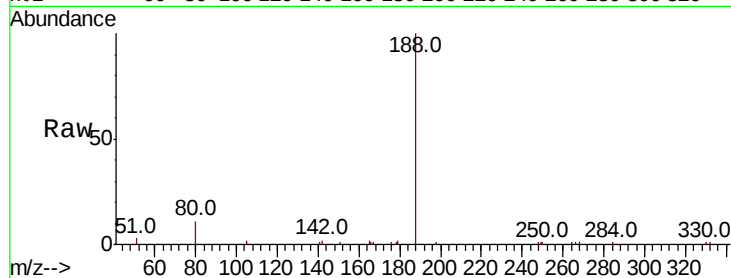
Tot Ion:188 Resp: 6800

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

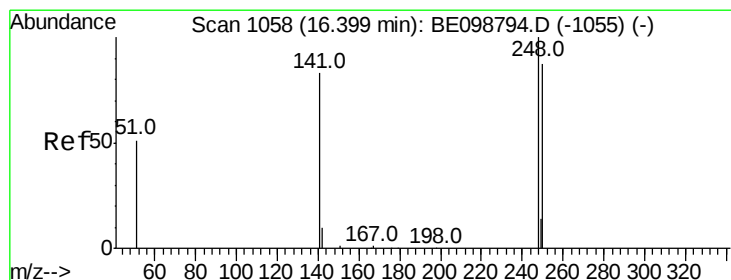
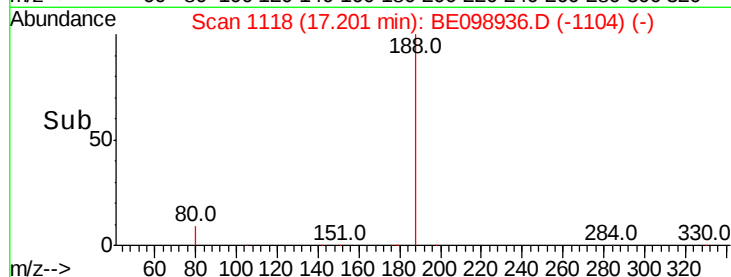
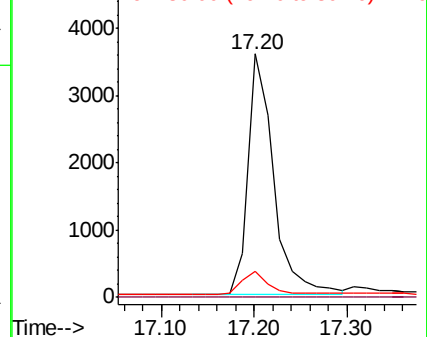
80 10.7 6.3 9.5#



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: 0.377 ng

RT: 16.40 min Scan# 1058

Delta R.T. -0.00 min

Lab File: BE098936.D

Acq: 14 Mar 2019 7:26

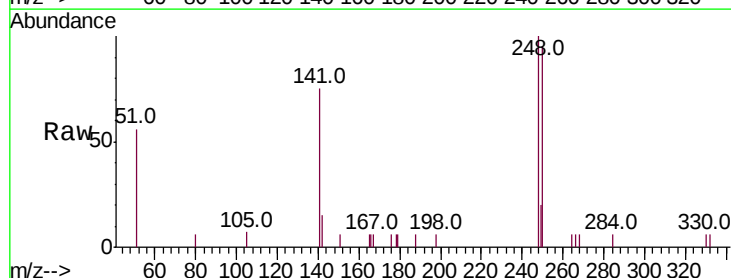
Tgt Ion:248 Resp: 1390

Ion Ratio Lower Upper

248 100

250 94.8 70.6 105.8

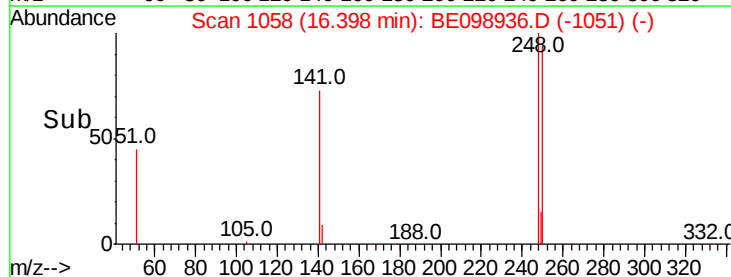
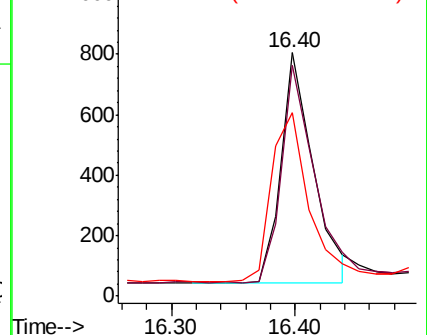
141 75.4 68.6 102.8

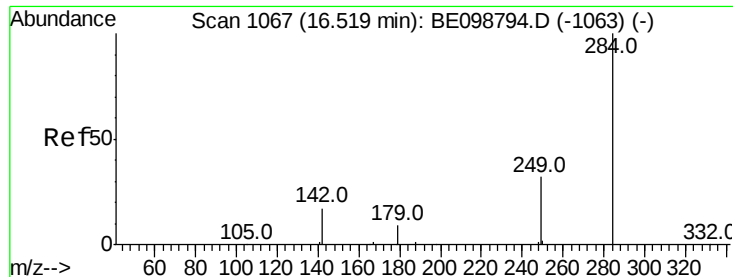


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.399 ng

RT: 16.52 min Scan# 1067

Delta R.T. -0.00 min

Lab File: BE098936.D

Acq: 14 Mar 2019 7:26

Instrument :

BNA_E

ClientSampleId :

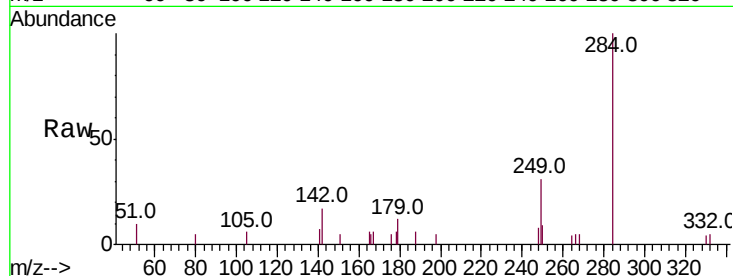
Tot Ion:284 Resp: 1748

Ion Ratio Lower Upper

284 100

142 34.7 28.7 43.1

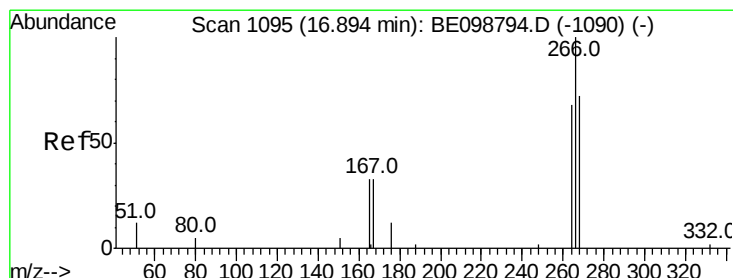
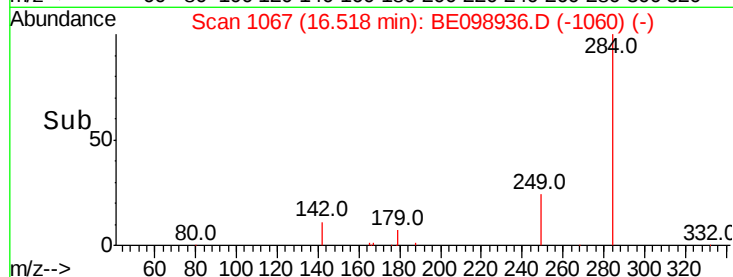
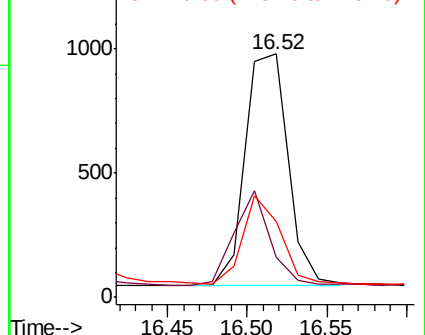
249 32.2 29.6 44.4



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: 0.479 ng

RT: 16.88 min Scan# 1094

Delta R.T. -0.01 min

Lab File: BE098936.D

Acq: 14 Mar 2019 7:26

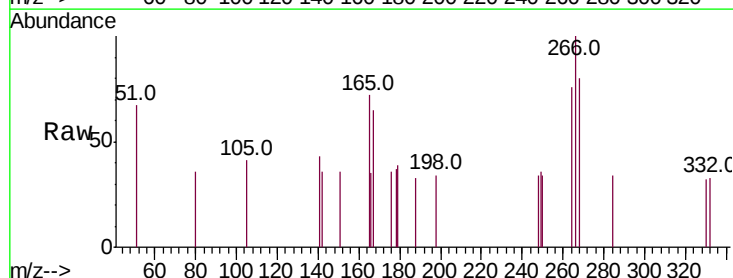
Tgt Ion:266 Resp: 320

Ion Ratio Lower Upper

266 100

264 75.9 66.6 100.0

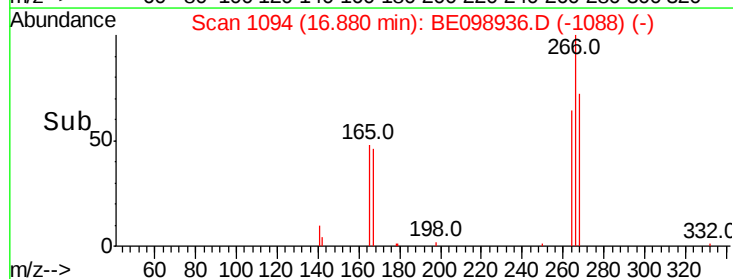
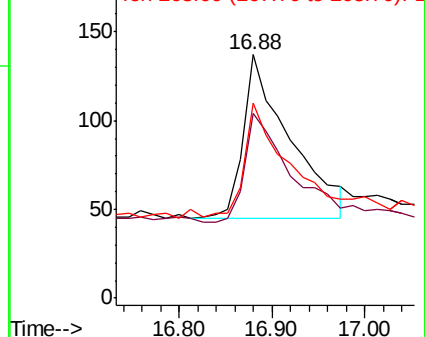
268 80.3 69.8 104.8

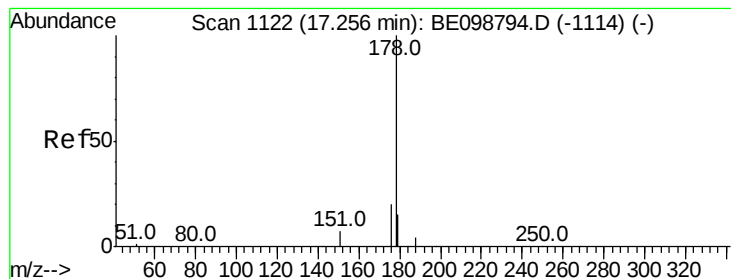


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.387 ng

RT: 17.24 min Scan# 1121

Delta R.T. -0.01 min

Lab File: BE098936.D

Acq: 14 Mar 2019 7:26

Instrument :

BNA_E

ClientSampleId :

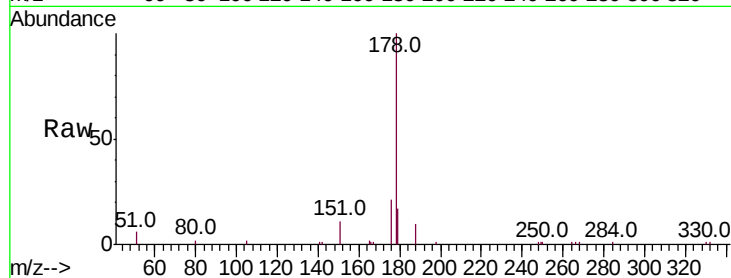
Tot Ion:178 Resp: 7483

Ion Ratio Lower Upper

178 100

176 19.3 16.0 24.0

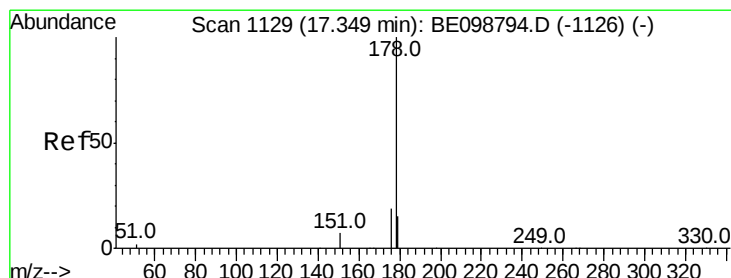
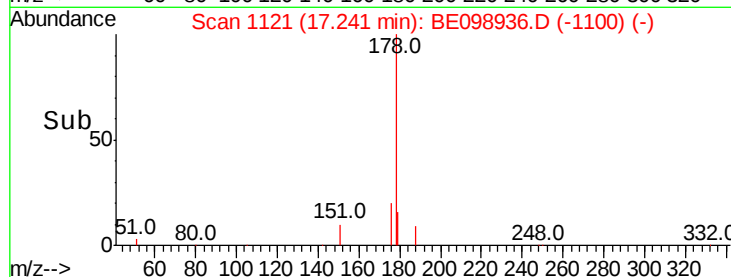
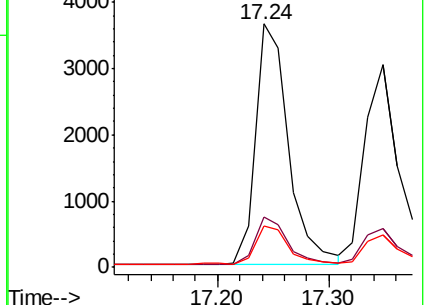
179 15.8 12.1 18.1



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: 0.370 ng

RT: 17.35 min Scan# 1129

Delta R.T. -0.00 min

Lab File: BE098936.D

Acq: 14 Mar 2019 7:26

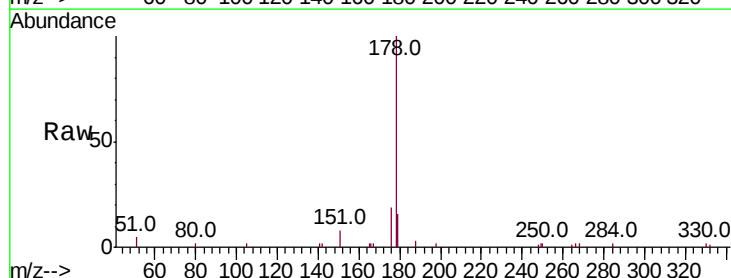
Tgt Ion:178 Resp: 6105

Ion Ratio Lower Upper

178 100

176 18.5 15.4 23.0

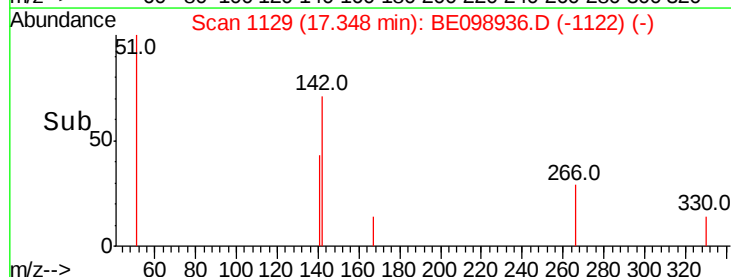
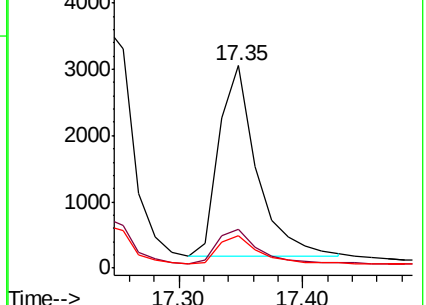
179 15.3 12.2 18.4

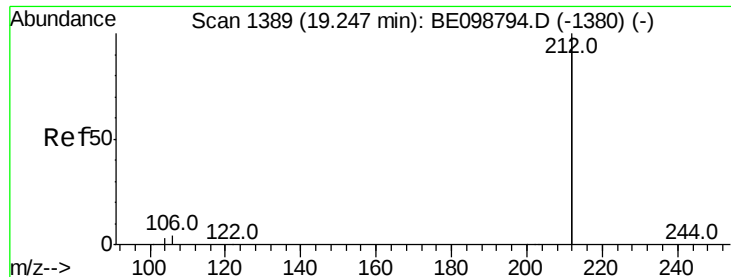


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.360 ng

RT: 19.24 min Scan# 1388

Delta R.T. -0.01 min

Lab File: BE098936.D

Acq: 14 Mar 2019 7:26

Instrument :

BNA_E

ClientSampleId :

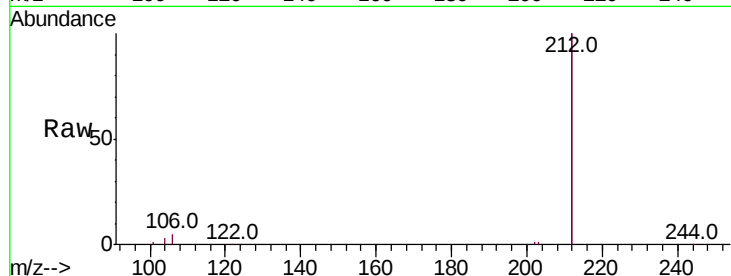
Tot Ion:212 Resp: 39071

Ion Ratio Lower Upper

212 100

106 2.4 1.8 2.8

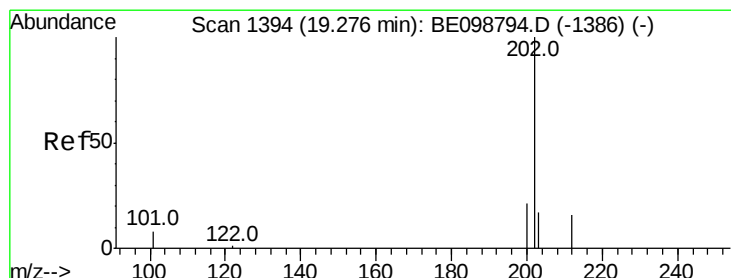
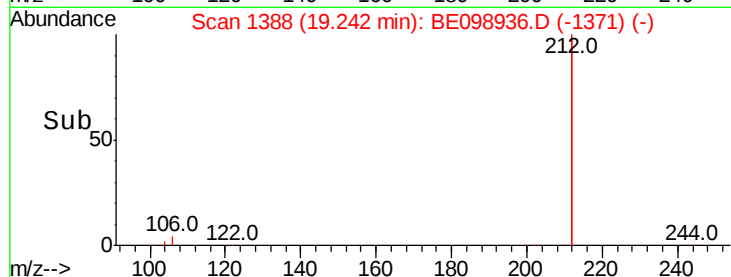
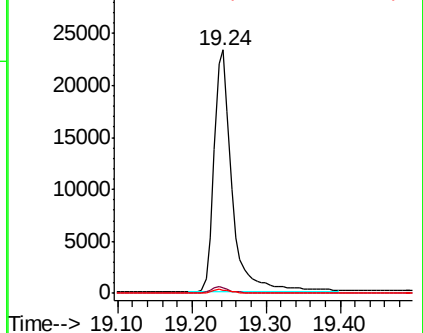
104 1.3 1.0 1.6



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: 0.372 ng

RT: 19.27 min Scan# 1393

Delta R.T. -0.01 min

Lab File: BE098936.D

Acq: 14 Mar 2019 7:26

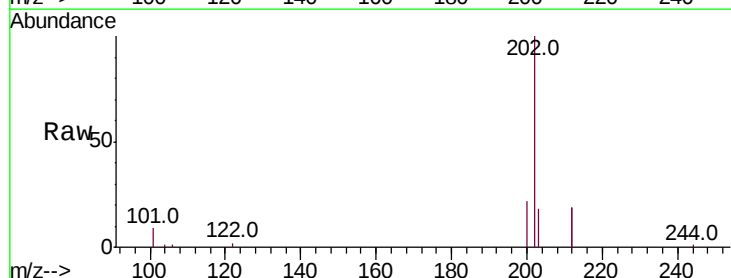
Tgt Ion:202 Resp: 10140

Ion Ratio Lower Upper

202 100

101 8.7 7.3 10.9

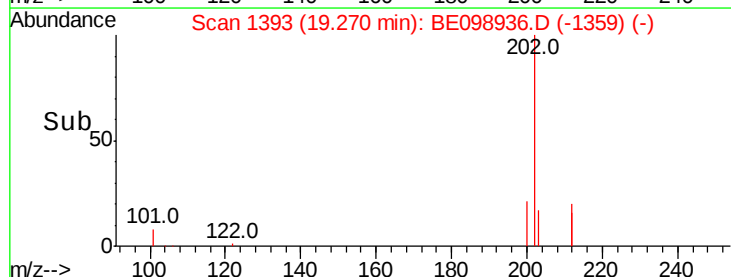
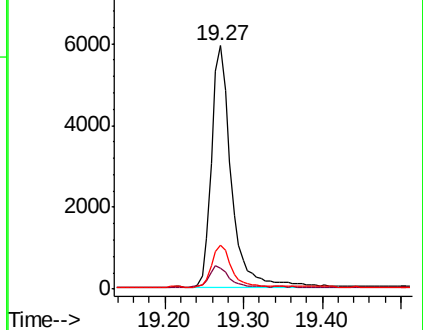
203 17.0 13.4 20.2

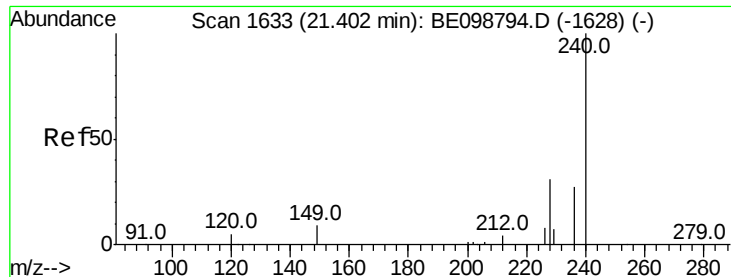


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.39 min Scan# 1632

Delta R.T. -0.01 min

Lab File: BE098936.D

Acq: 14 Mar 2019 7:26

Instrument :

BNA_E

ClientSampleId :

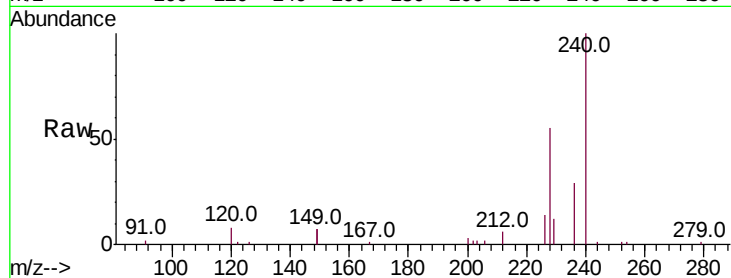
Tot Ion:240 Resp: 8557

Ion Ratio Lower Upper

240 100

120 7.7 5.0 7.4#

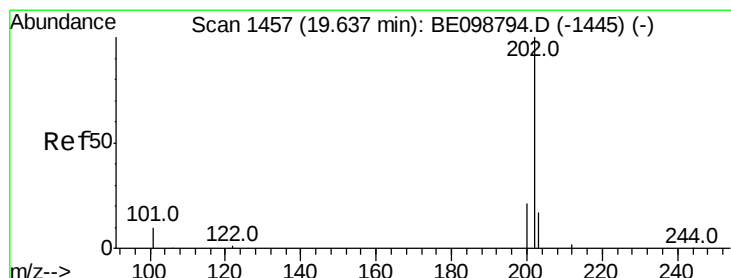
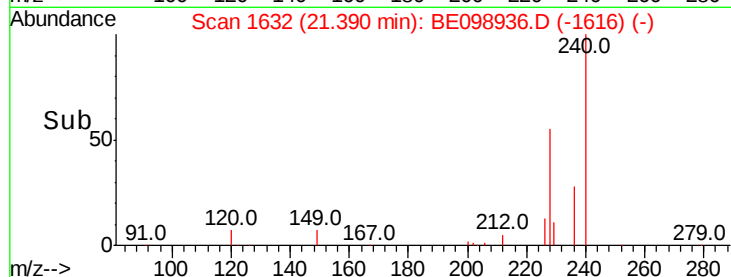
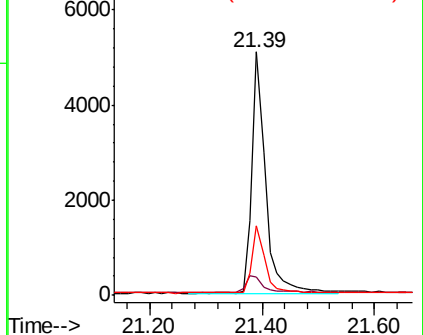
236 28.7 22.7 34.1



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: 0.406 ng

RT: 19.63 min Scan# 1456

Delta R.T. -0.01 min

Lab File: BE098936.D

Acq: 14 Mar 2019 7:26

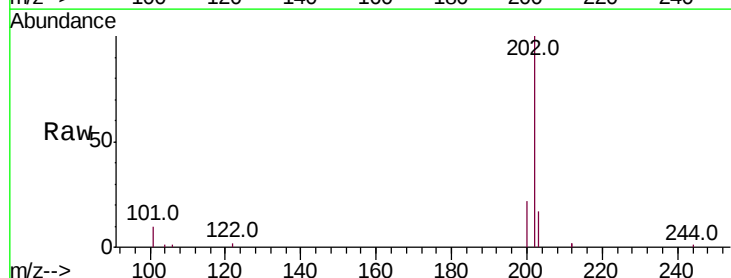
Tgt Ion:202 Resp: 10636

Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.6

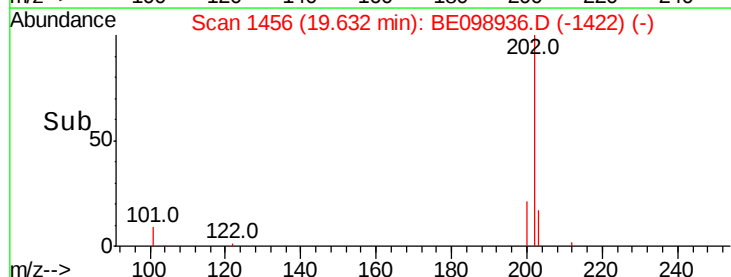
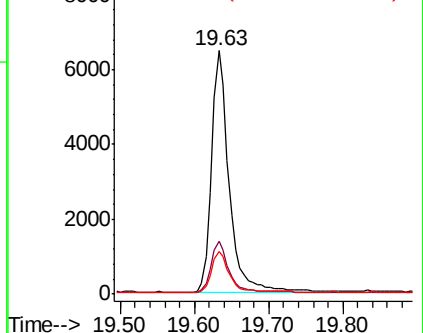
203 16.8 14.2 21.2

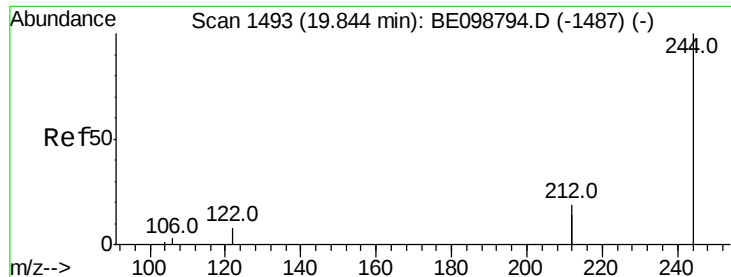


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.515 ng

RT: 19.84 min Scan# 1492

Delta R.T. -0.01 min

Lab File: BE098936.D

Acq: 14 Mar 2019 7:26

Instrument :

BNA_E

ClientSampleId :

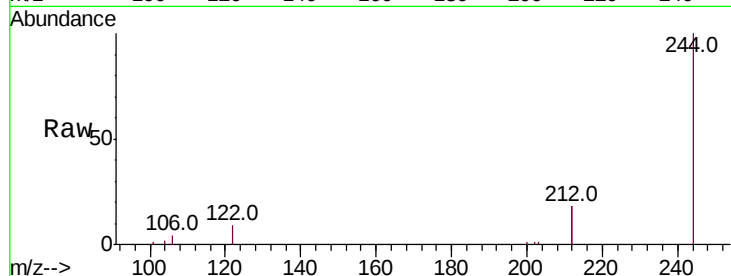
Tot Ion:244 Resp: 10713

Ion Ratio Lower Upper

244 100

212 36.2 29.4 44.2

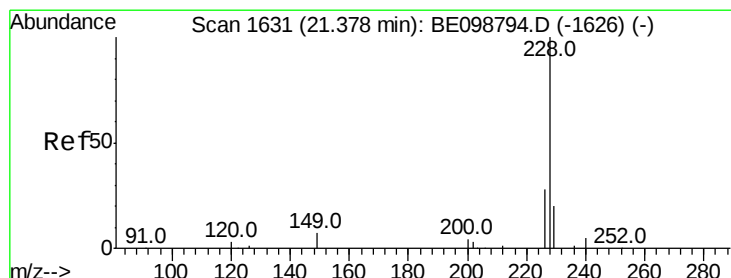
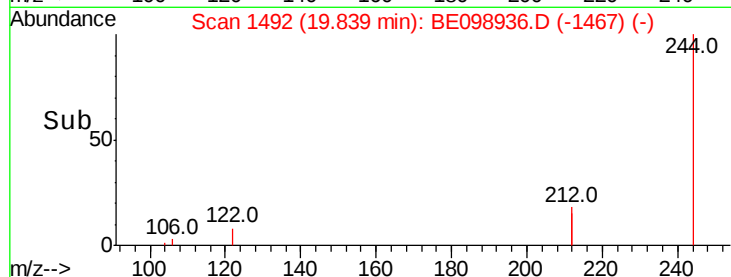
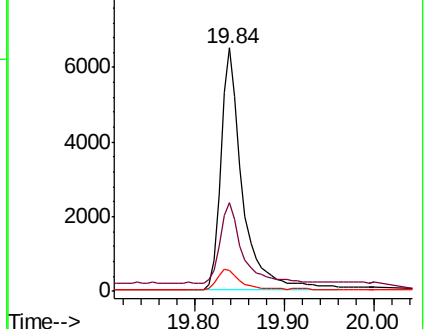
122 8.8 7.1 10.7



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: 0.360 ng

RT: 21.38 min Scan# 1631

Delta R.T. 0.00 min

Lab File: BE098936.D

Acq: 14 Mar 2019 7:26

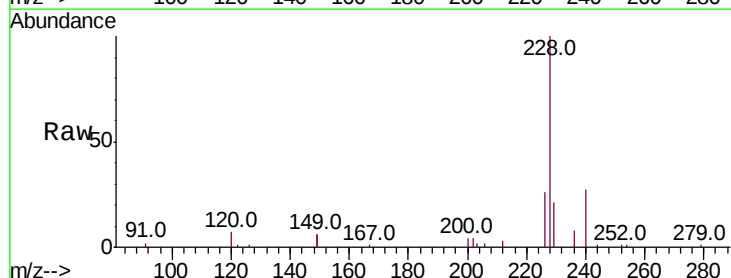
Tgt Ion:228 Resp: 9626

Ion Ratio Lower Upper

228 100

226 26.4 23.0 34.4

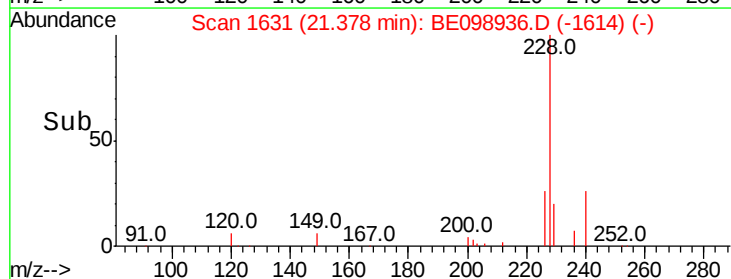
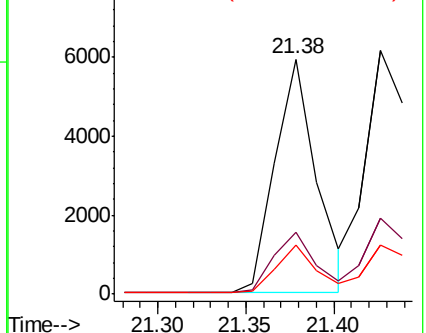
229 20.8 16.5 24.7

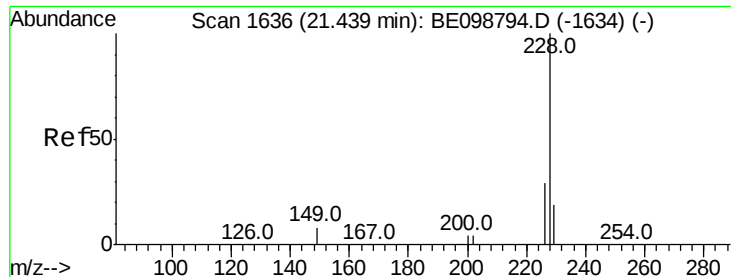


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.389 ng

RT: 21.43 min Scan# 1635

Delta R.T. -0.01 min

Lab File: BE098936.D

Acq: 14 Mar 2019 7:26

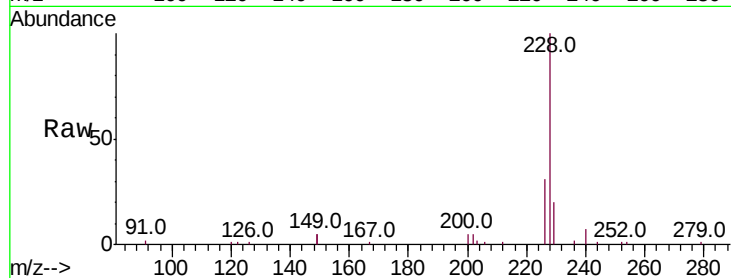
Instrument :

BNA_E

ClientSampled :

Tot Ion:228 Resp: 11120

Ion	Ratio	Lower	Upper
228	100		
226	31.4	23.7	35.5
229	19.9	16.1	24.1

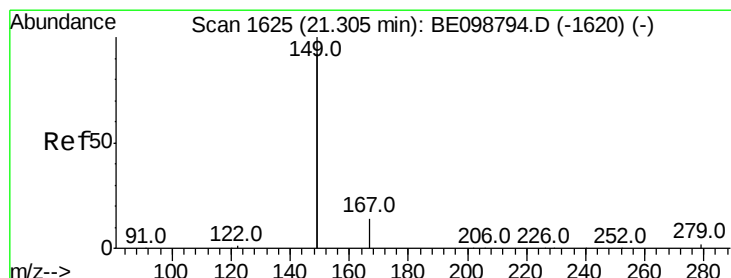
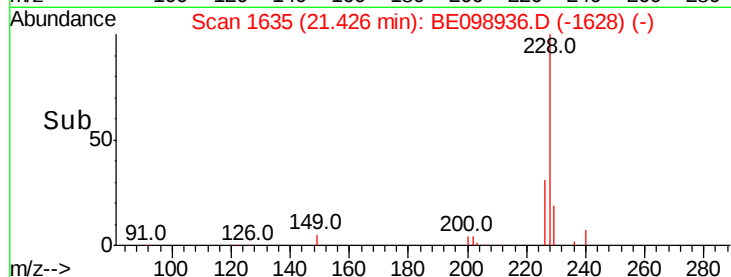
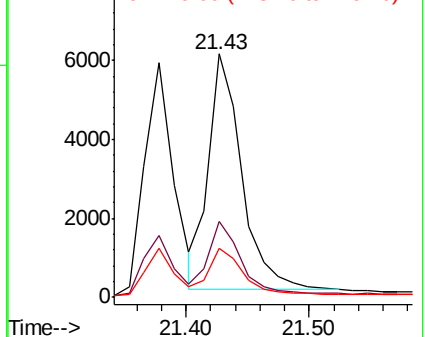


Abundance

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: 0.320 ng

RT: 21.29 min Scan# 1624

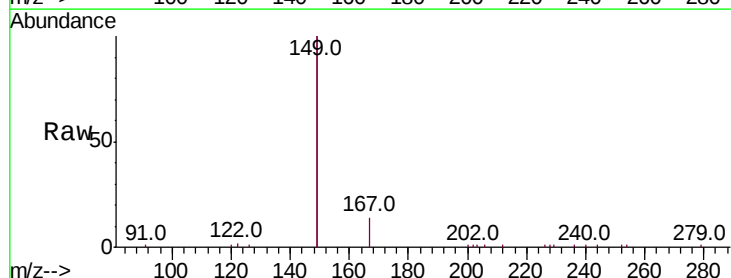
Delta R.T. -0.01 min

Lab File: BE098936.D

Acq: 14 Mar 2019 7:26

Tgt Ion:149 Resp: 18194

Ion	Ratio	Lower	Upper
149	100		
167	7.0	5.4	8.0
279	1.2	1.0	1.4

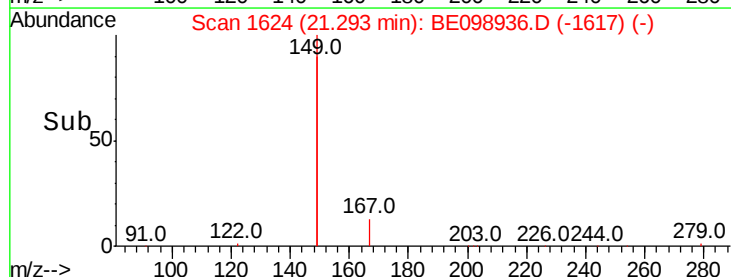
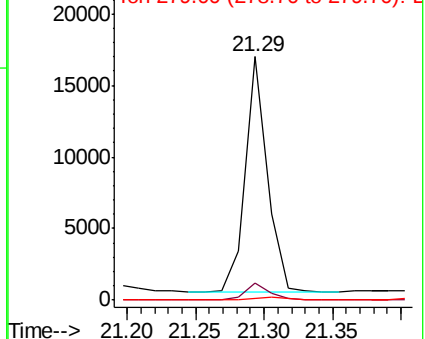


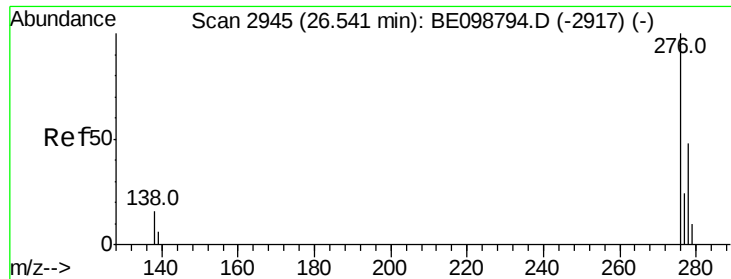
Abundance

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

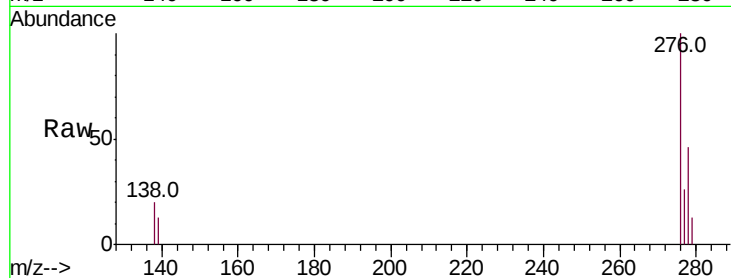




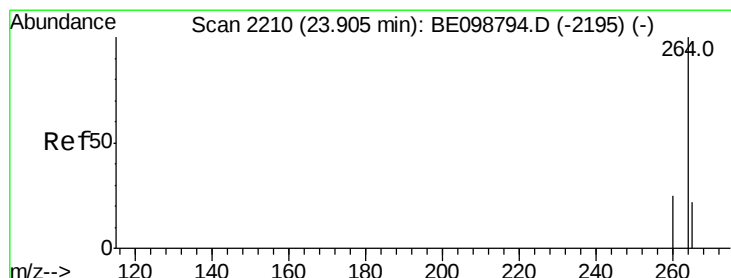
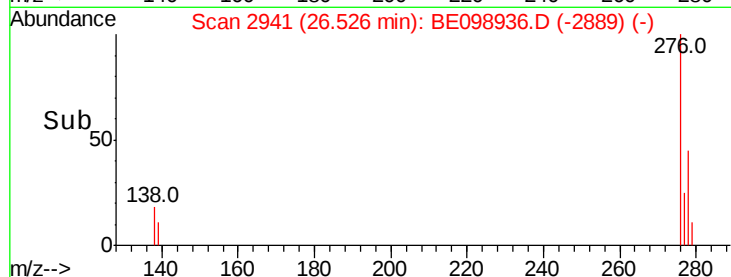
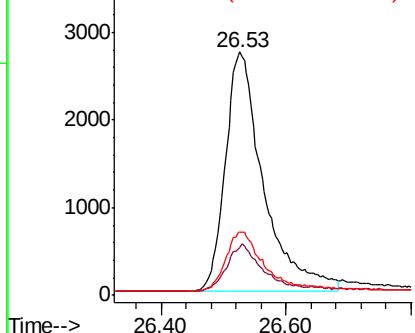
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.386 ng
 RT: 26.53 min Scan# 2941
 Delta R.T. -0.01 min
 Lab File: BE098936.D
 Acq: 14 Mar 2019 7:26

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 11640
 Ion Ratio Lower Upper
 276 100
 138 18.0 13.8 20.8
 277 23.3 19.5 29.3

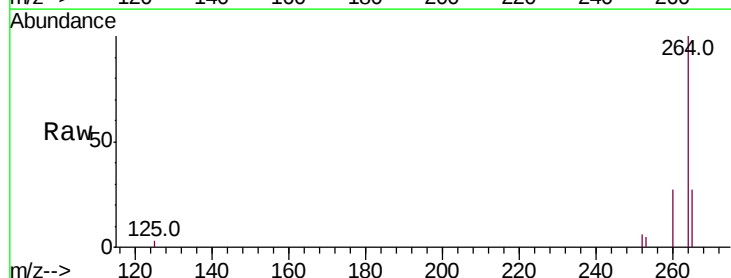


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

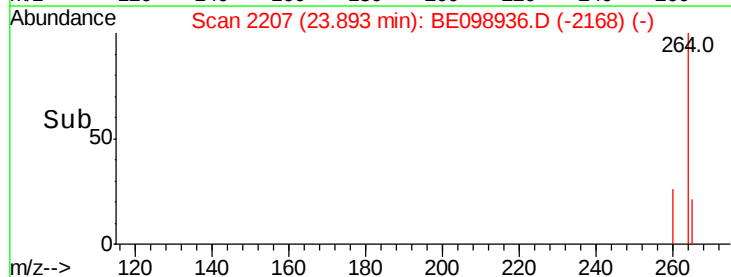
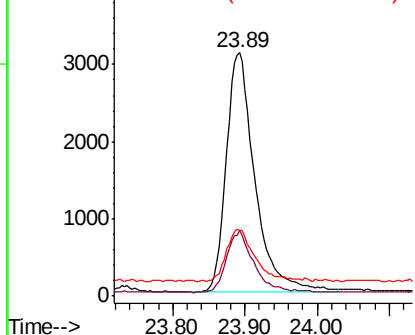


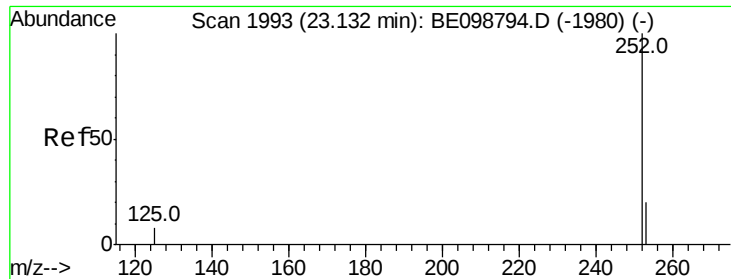
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.89 min Scan# 2207
 Delta R.T. -0.01 min
 Lab File: BE098936.D
 Acq: 14 Mar 2019 7:26

Tgt Ion:264 Resp: 8428
 Ion Ratio Lower Upper
 264 100
 260 27.0 21.2 31.8
 265 27.0 24.6 36.8



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

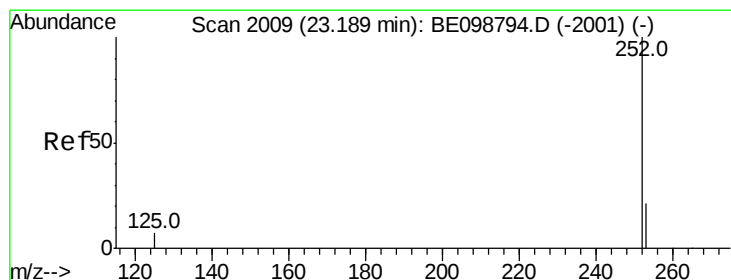
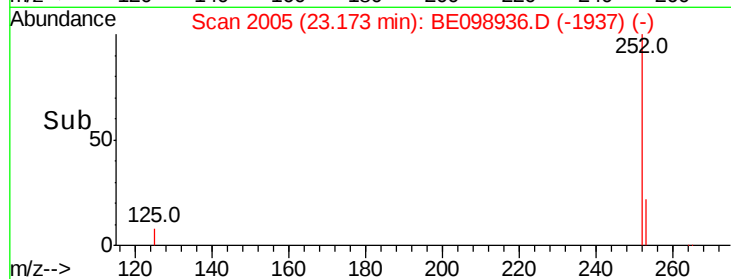
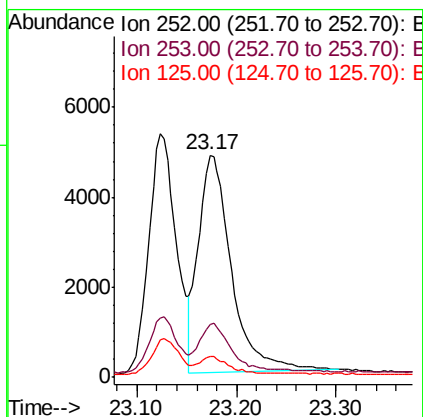
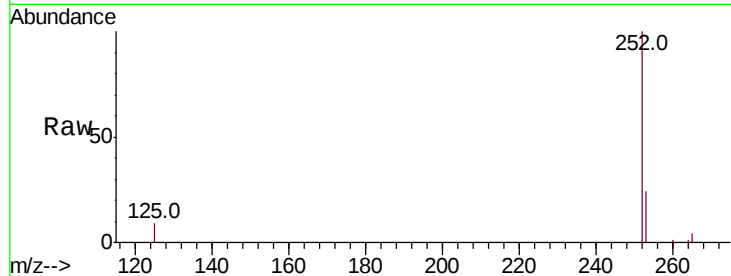




#35
Benzo(b)fluoranthene
Concen: 0.400 ng
RT: 23.17 min Scan# 2005
Delta R.T. 0.04 min
Lab File: BE098936.D
Acq: 14 Mar 2019 7:26

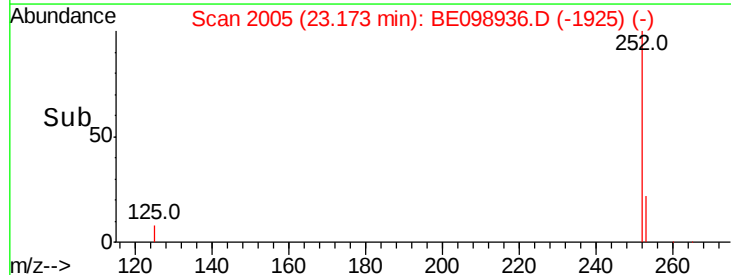
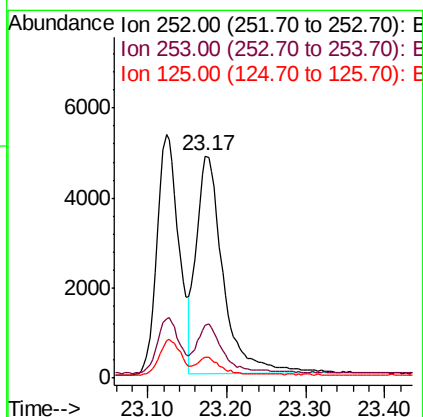
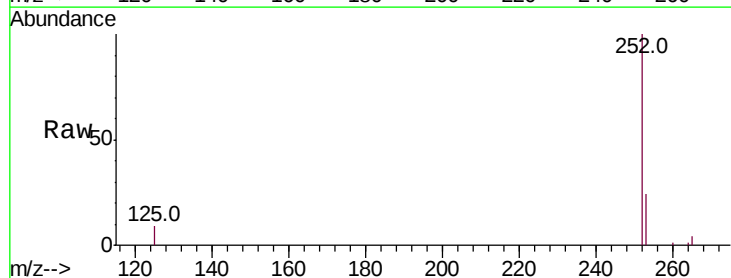
Instrument :
BNA_E
ClientSampleId :

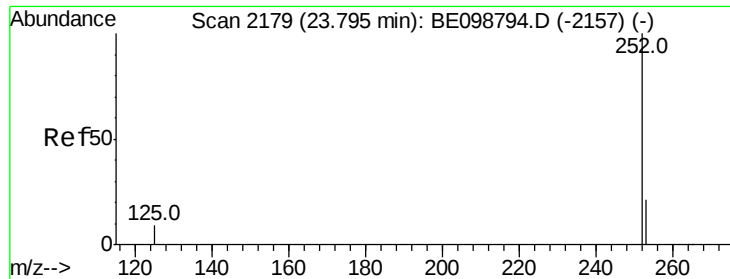
Tot Ion:252 Resp: 11082
Ion Ratio Lower Upper
252 100
253 23.7 18.2 27.2
125 9.4 7.3 10.9



#36
Benzo(k)fluoranthene
Concen: 0.395 ng
RT: 23.17 min Scan# 2005
Delta R.T. -0.02 min
Lab File: BE098936.D
Acq: 14 Mar 2019 7:26

Tgt Ion:252 Resp: 11452
Ion Ratio Lower Upper
252 100
253 23.7 19.3 28.9
125 9.4 7.5 11.3

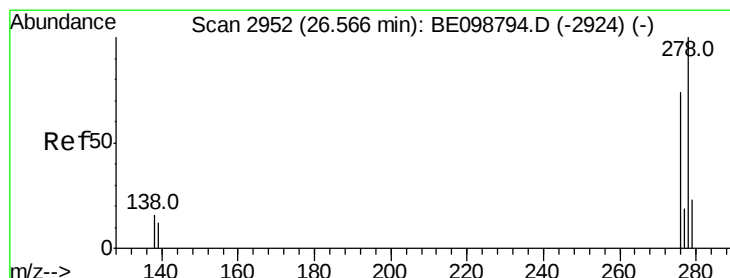
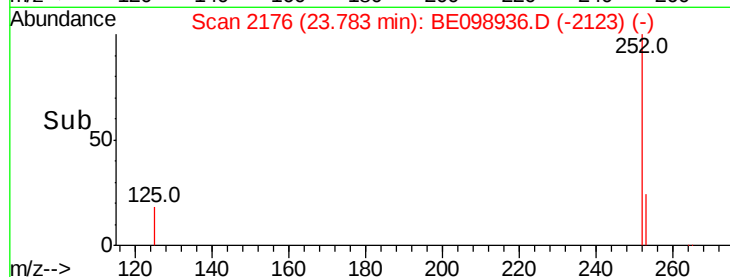
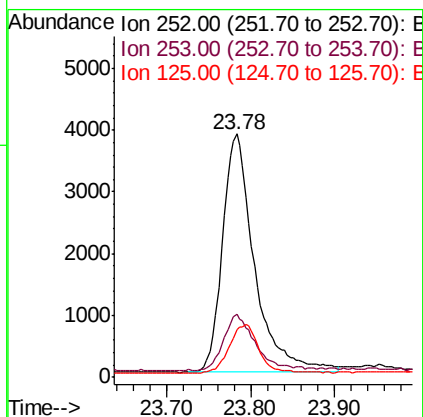
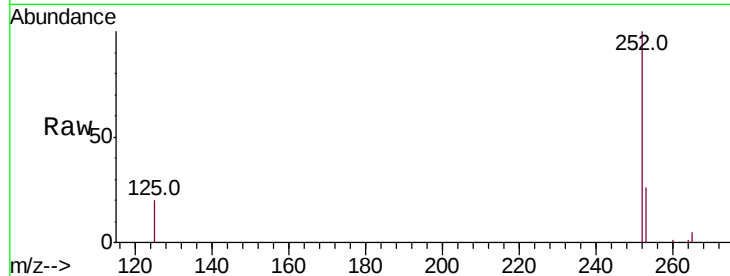




#37
Benzo(a)pyrene
Concen: 0.384 ng
RT: 23.78 min Scan# 2176
Delta R.T. -0.01 min
Lab File: BE098936.D
Acq: 14 Mar 2019 7:26

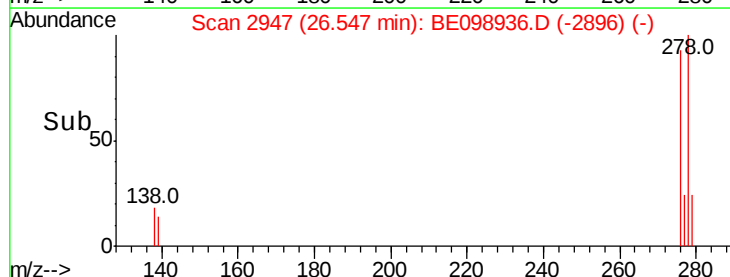
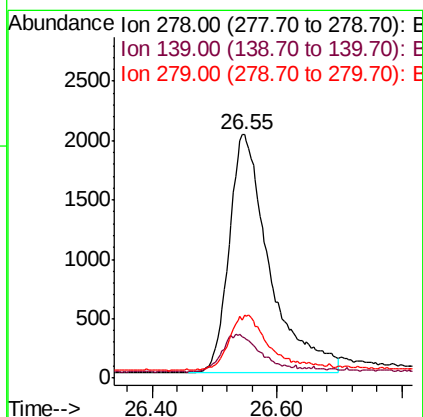
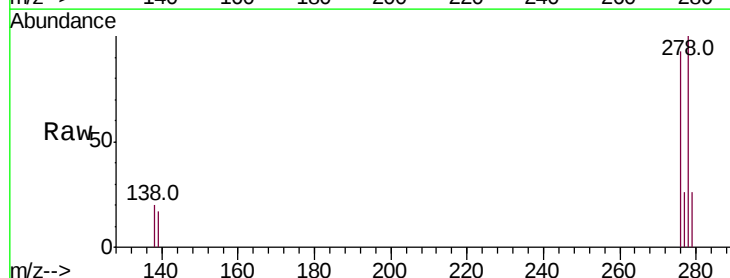
Instrument :
BNA_E
ClientSampleId :

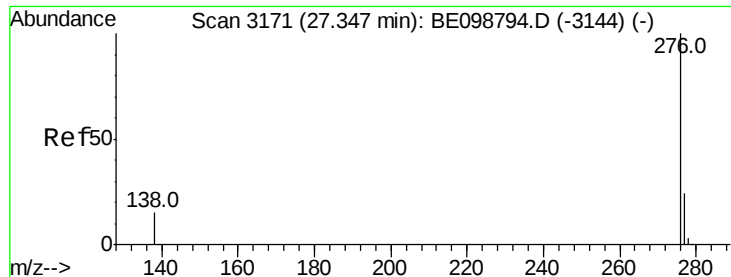
Tot Ion:252 Resp: 10214
Ion Ratio Lower Upper
252 100
253 25.9 19.9 29.9
125 19.7 9.0 13.4#



#38
Dibenzo(a,h)anthracene
Concen: 0.359 ng
RT: 26.55 min Scan# 2947
Delta R.T. -0.02 min
Lab File: BE098936.D
Acq: 14 Mar 2019 7:26

Tgt Ion:278 Resp: 9024
Ion Ratio Lower Upper
278 100
139 16.6 11.8 17.6
279 26.0 21.1 31.7





#39

Benzo(a,h,i)perylene

Concen: 0.375 ng

RT: 27.33 min Scan# 3166

Delta R.T. -0.02 min

Lab File: BE098936.D

Acq: 14 Mar 2019 7:26

Instrument :

BNA_E

ClientSampleId :

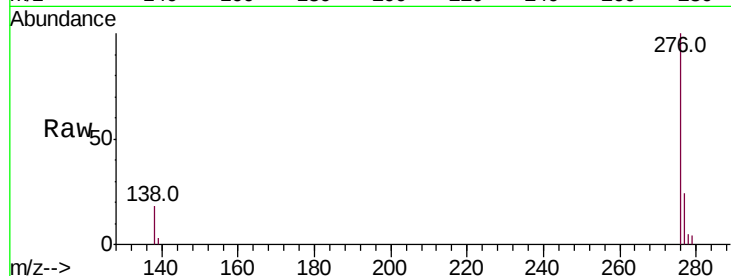
Tot Ion:276 Resp: 9847

Ion Ratio Lower Upper

276 100

277 24.5 20.4 30.6

138 17.9 13.6 20.4



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

