

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE112118\
 Data File : BE098254.D
 Acq On : 21 Nov 2018 9:38
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Nov 21 10:48:38 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE111618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 16 19:05:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	1461	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	7045	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	4569	0.40	ng	0.00
19) Phenanthrene-d10	17.28	188	10557	0.40	ng	0.00
27) Chrysene-d12	21.46	240	11386	0.40	ng	0.00
34) Perylene-d12	24.01	264	10779	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.46	112	1522	0.39	ng	0.00
5) Phenol-d6	7.05	99	2564	0.42	ng	0.01
8) Nitrobenzene-d5	9.02	82	2763	0.42	ng	0.00
11) 2-Methylnaphthalene-d10	12.27	152	4738	0.38	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	534	0.36	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	7447	0.37	ng	0.00
25) Fluoranthene-d10	19.31	212	49511	0.39	ng	0.00
29) Terphenyl-d14	19.91	244	9908	0.38	ng	0.00

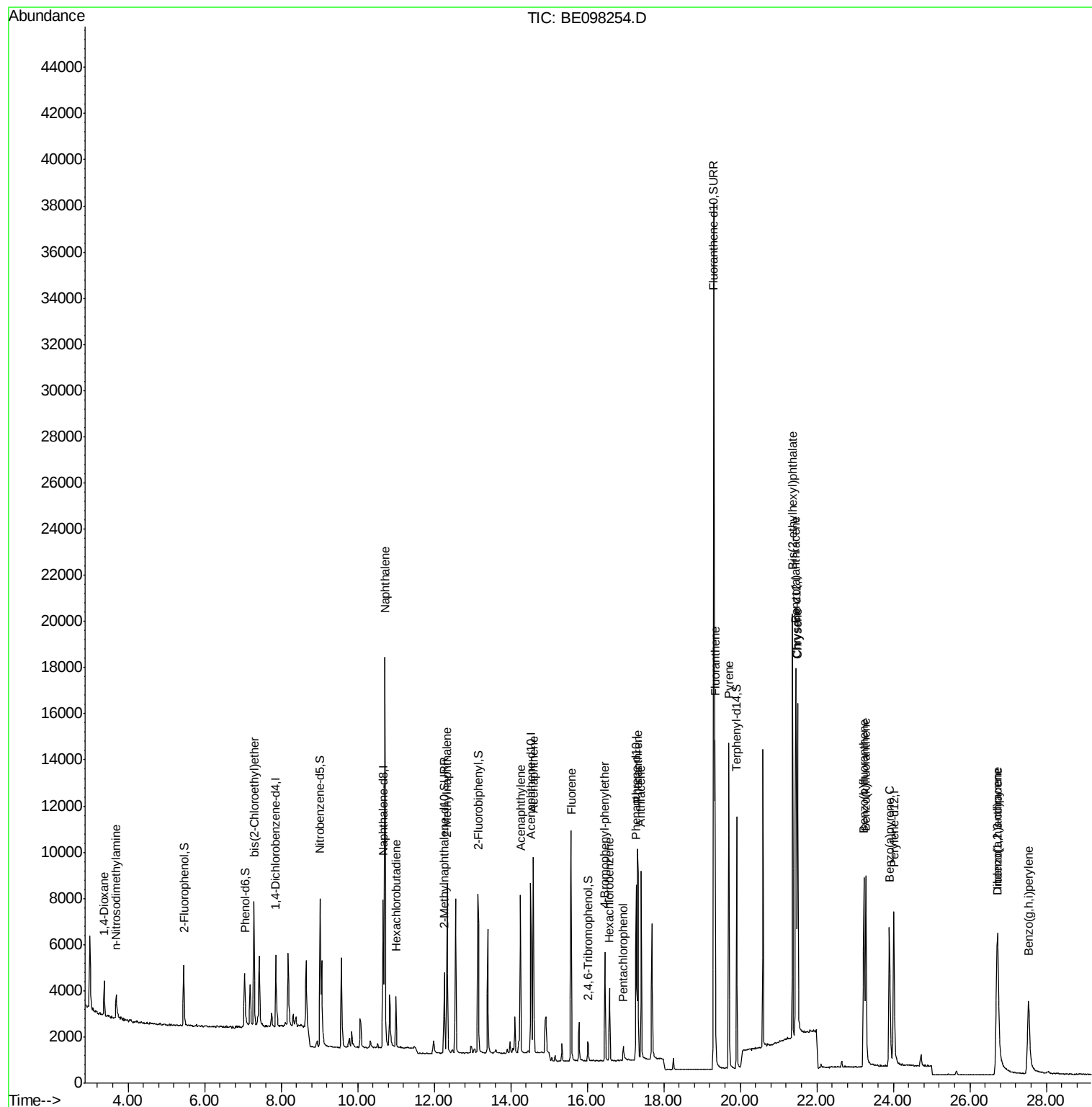
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.37	88	939	0.409	ng	85
3) n-Nitrosodimethylamine	3.70	42	1035	0.402	ng	# 90
6) bis(2-Chloroethyl)ether	7.29	93	2015	0.382	ng	100
9) Naphthalene	10.72	128	28689	0.400	ng	100
10) Hexachlorobutadiene	11.00	225	1565	0.372	ng	97
12) 2-Methylnaphthalene	12.34	142	4935	0.391	ng	97
16) Acenaphthylene	14.25	152	8527	0.392	ng	99
17) Acenaphthene	14.60	154	5162	0.397	ng	98
18) Fluorene	15.58	166	6596	0.398	ng	96
20) 4-Bromophenyl-phenylether	16.46	248	2511	0.384	ng	92
21) Hexachlorobenzene	16.58	284	2556	0.379	ng	98
22) Pentachlorophenol	16.94	266	429	0.426	ng	96
23) Phenanthrene	17.31	178	10623	0.391	ng	99
24) Anthracene	17.41	178	9590	0.389	ng	98
26) Fluoranthene	19.34	202	12612	0.387	ng	99
28) Pyrene	19.70	202	12858	0.386	ng	99
30) Benzo(a)anthracene	21.45	228	12468	0.379	ng	99
31) Chrysene	21.50	228	13517	0.399	ng	99
32) Bis(2-ethylhexyl)phthalate	21.37	149	19572	0.381	ng	100
33) Indeno(1,2,3-cd)pyrene	26.71	276	12346	0.426	ng	# 91
35) Benzo(b)fluoranthene	23.23	252	11741	0.386	ng	99
36) Benzo(k)fluoranthene	23.28	252	12917	0.376	ng	98
37) Benzo(a)pyrene	23.90	252	11646	0.390	ng	97
38) Dibenzo(a,h)anthracene	26.73	278	9623	0.402	ng	98
39) Benzo(g,h,i)perylene	27.54	276	10340	0.401	ng	97

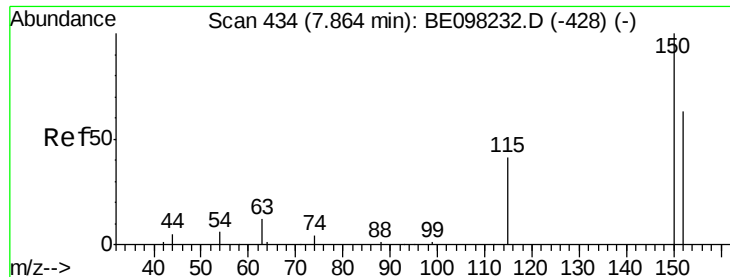
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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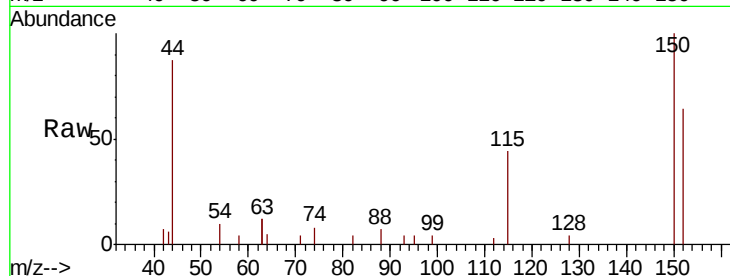


#1

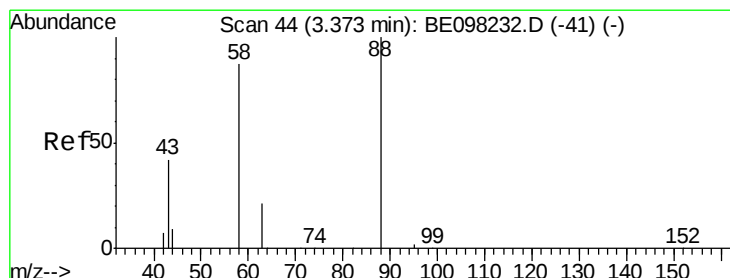
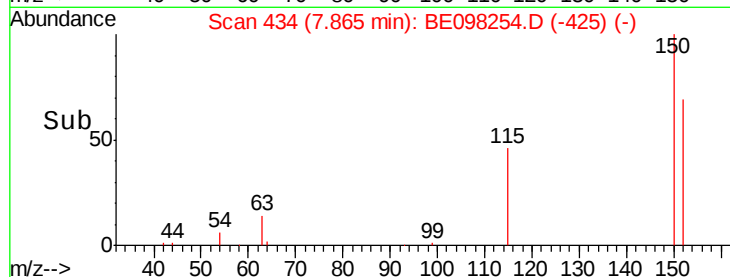
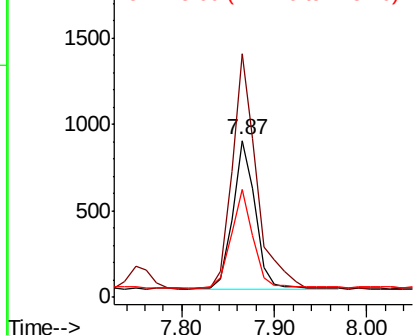
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.87 min Scan# 434
Delta R.T. 0.00 min
Lab File: BE098254.D
Acq: 21 Nov 2018 9:38

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1461
Ion Ratio Lower Upper
152 100
150 155.3 127.5 191.3
115 68.9 60.3 90.5



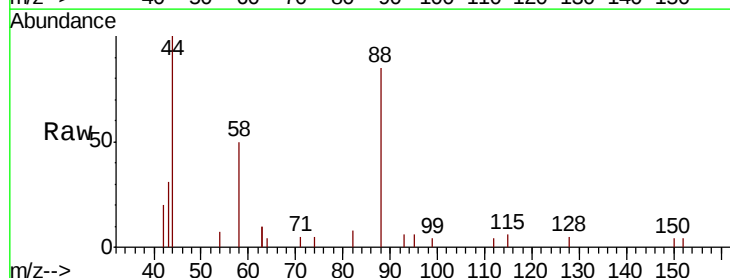
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



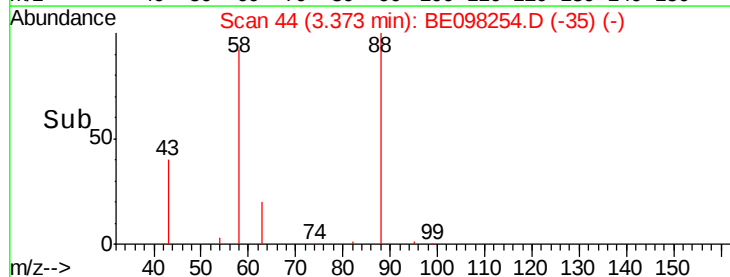
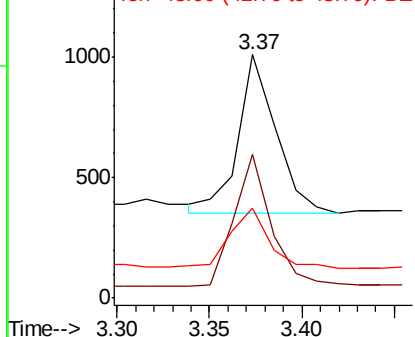
#2

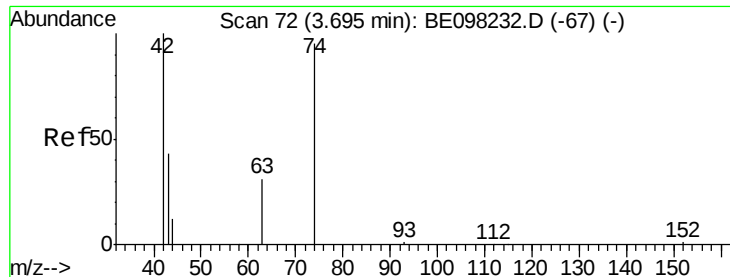
1,4-Dioxane
Concen: 0.409 ng
RT: 3.37 min Scan# 44
Delta R.T. 0.00 min
Lab File: BE098254.D
Acq: 21 Nov 2018 9:38

Tgt Ion: 88 Resp: 939
Ion Ratio Lower Upper
88 100
58 82.4 79.0 118.4
43 39.0 38.1 57.1



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



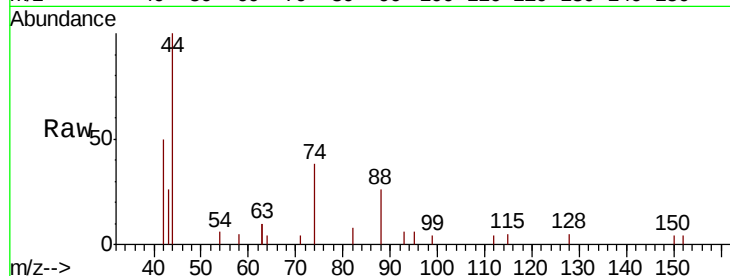


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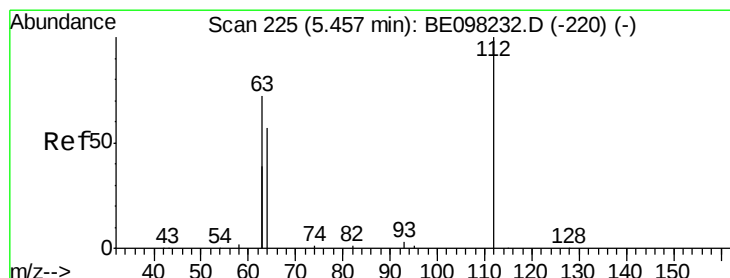
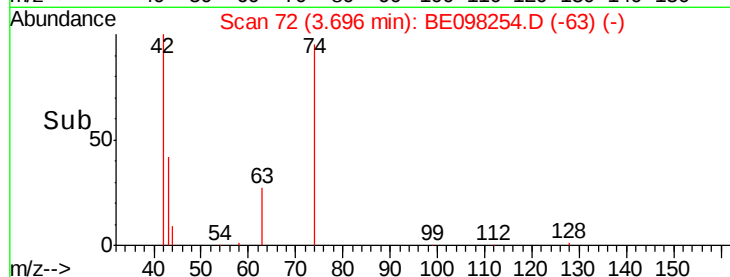
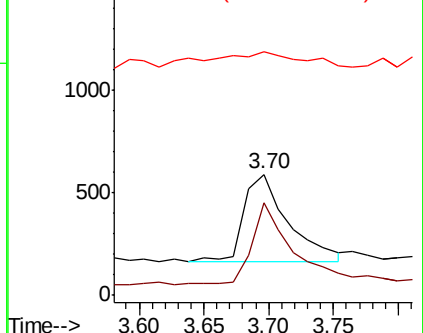
n-Nitrosodimethylamine
 Concen: 0.402 ng
 RT: 3.70 min Scan# 72
 Delta R.T. 0.00 min
 Lab File: BE098254.D
 Acq: 21 Nov 2018 9:38

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
42	100		
74	81.1	61.7	92.5
44	32.3	14.0	21.0



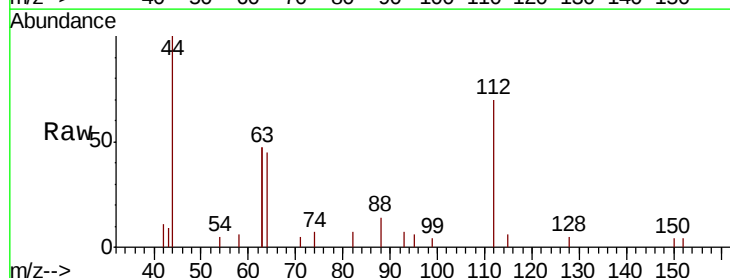
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



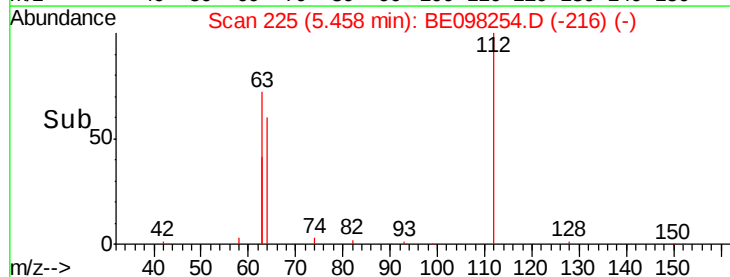
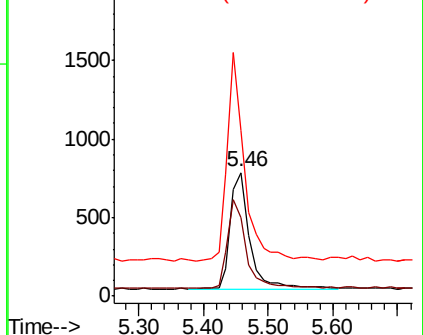
#4

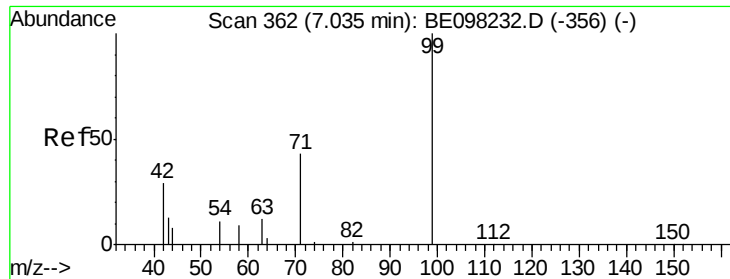
2-Fluorophenol
 Concen: 0.388 ng
 RT: 5.46 min Scan# 225
 Delta R.T. 0.00 min
 Lab File: BE098254.D
 Acq: 21 Nov 2018 9:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	74.6	61.7	92.5
63	165.5	136.2	204.2



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: 0.417 ng

RT: 7.05 min Scan# 363

Delta R.T. 0.01 min

Lab File: BE098254.D

Acq: 21 Nov 2018 9:38

Instrument :

BNA_E

ClientSampleId :

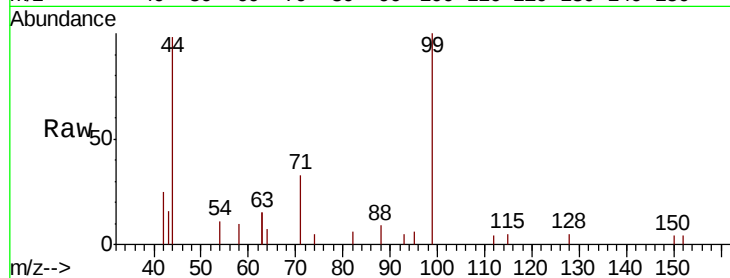
Tot Ion: 99 Resp: 2564

Ion Ratio Lower Upper

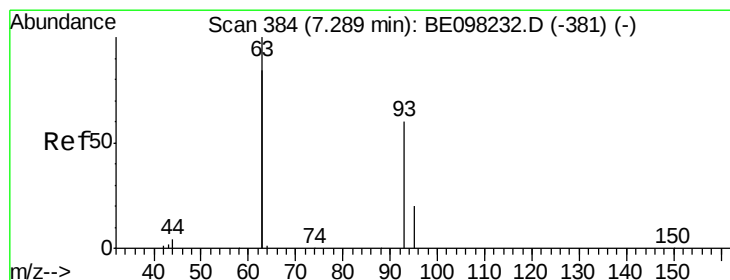
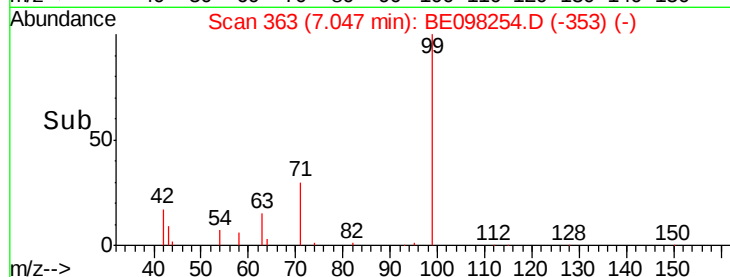
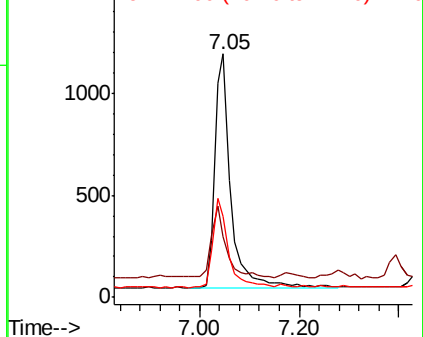
99 100

42 27.4 27.1 40.7

71 36.8 37.0 55.6#



Abundance Ion 99.00 (98.70 to 99.70): BE0
Ion 42.00 (41.70 to 42.70): BE0
Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.382 ng

RT: 7.29 min Scan# 384

Delta R.T. 0.00 min

Lab File: BE098254.D

Acq: 21 Nov 2018 9:38

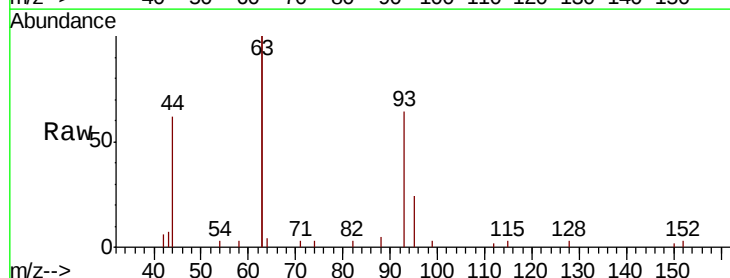
Tgt Ion: 93 Resp: 2015

Ion Ratio Lower Upper

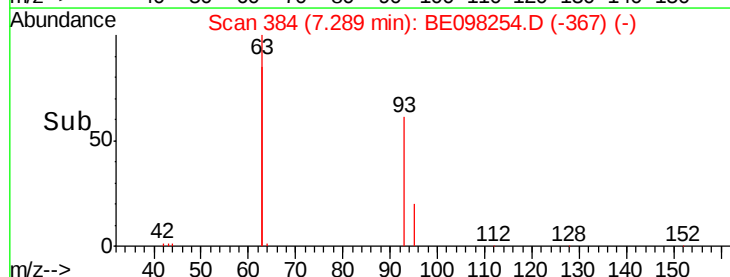
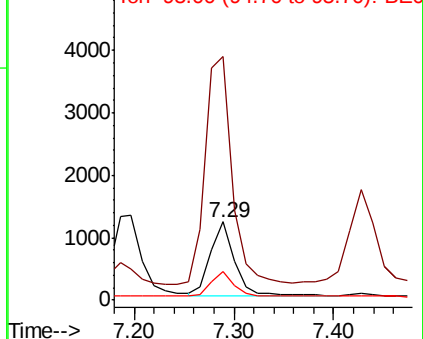
93 100

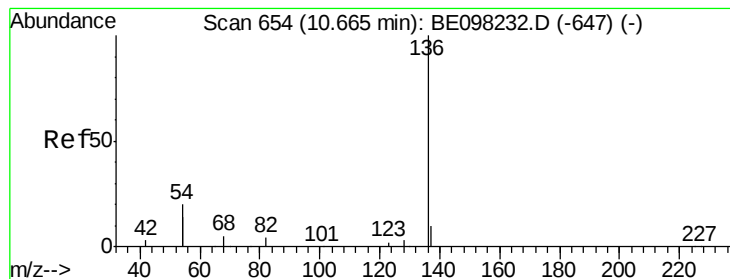
63 340.4 272.6 409.0

95 32.7 27.1 40.7



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: 10.67 min Scan# 654

Delta R.T. 0.00 min

Lab File: BE098254.D

Acq: 21 Nov 2018 9:38

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 7045

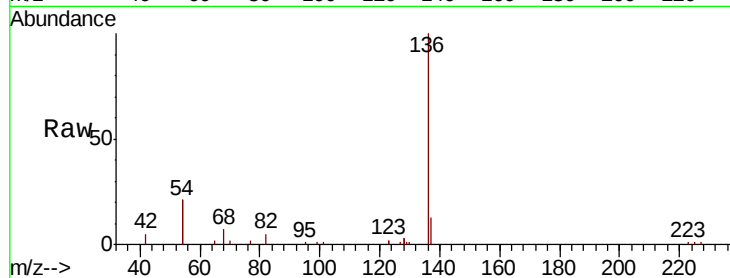
Ion Ratio Lower Upper

136 100

137 12.5 9.5 14.3

54 41.1 31.3 46.9

68 7.3 4.8 7.2#

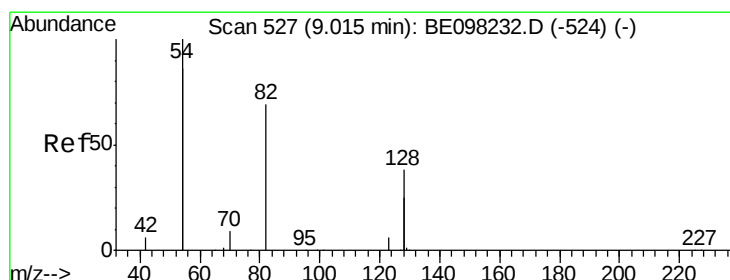
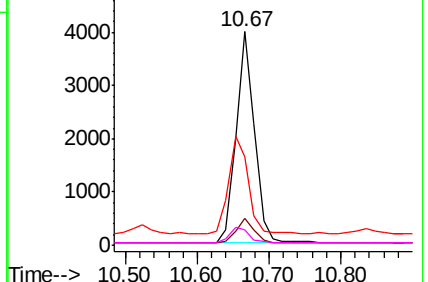
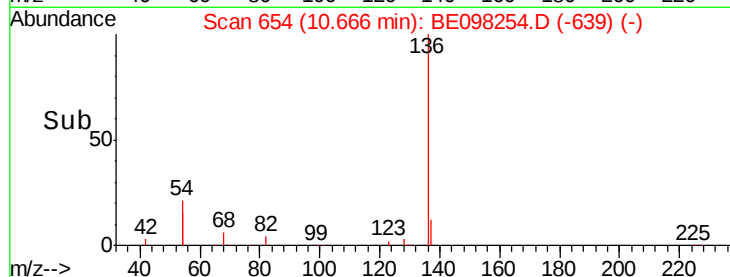


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.416 ng

RT: 9.02 min Scan# 527

Delta R.T. 0.00 min

Lab File: BE098254.D

Acq: 21 Nov 2018 9:38

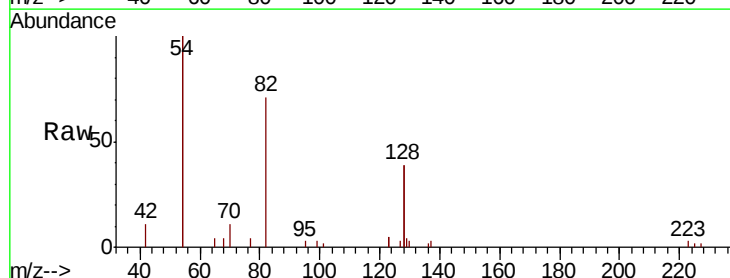
Tgt Ion: 82 Resp: 2763

Ion Ratio Lower Upper

82 100

128 110.4 96.1 144.1

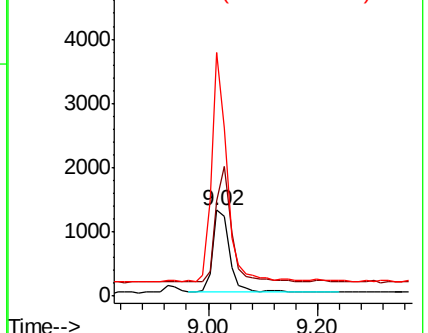
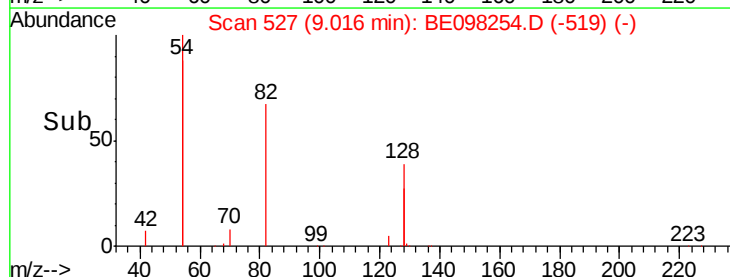
54 282.8 232.0 348.0

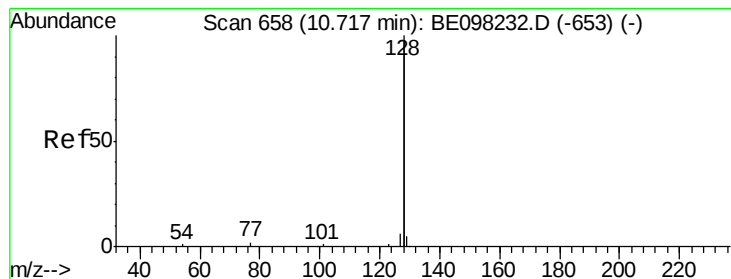


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.400 ng

RT: 10.72 min Scan# 658

Delta R.T. 0.00 min

Lab File: BE098254.D

Acq: 21 Nov 2018 9:38

Instrument :

BNA_E

ClientSampleId :

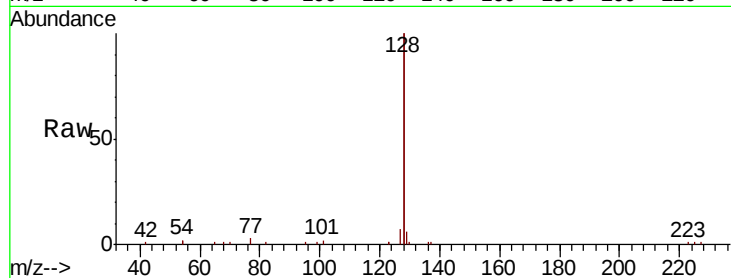
Tot Ion:128 Resp: 28689

Ion Ratio Lower Upper

128 100

129 3.0 2.6 4.0

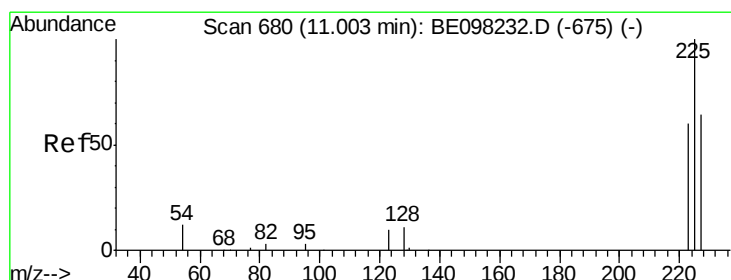
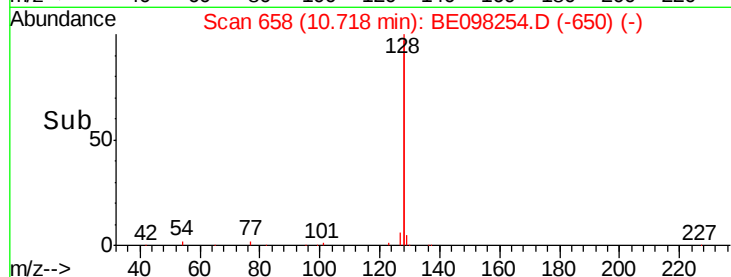
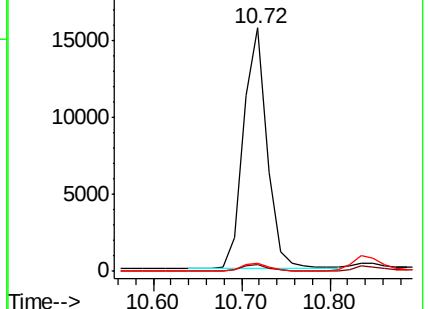
127 3.4 2.8 4.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.372 ng

RT: 11.00 min Scan# 680

Delta R.T. 0.00 min

Lab File: BE098254.D

Acq: 21 Nov 2018 9:38

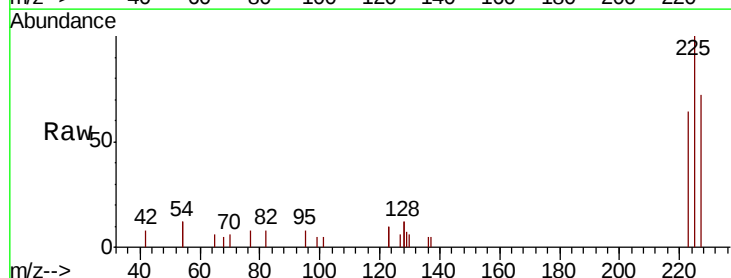
Tgt Ion:225 Resp: 1565

Ion Ratio Lower Upper

225 100

223 63.8 50.5 75.7

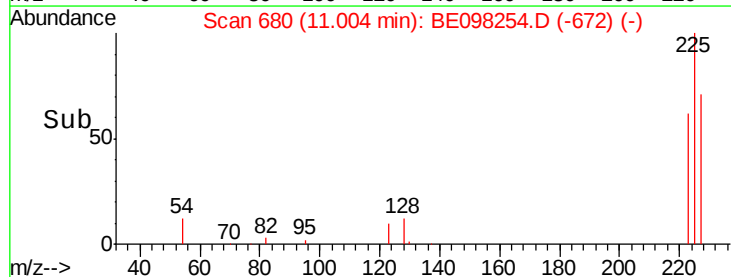
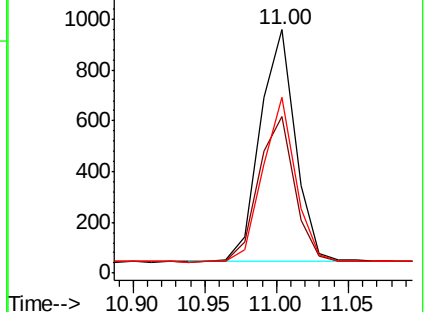
227 66.3 50.3 75.5

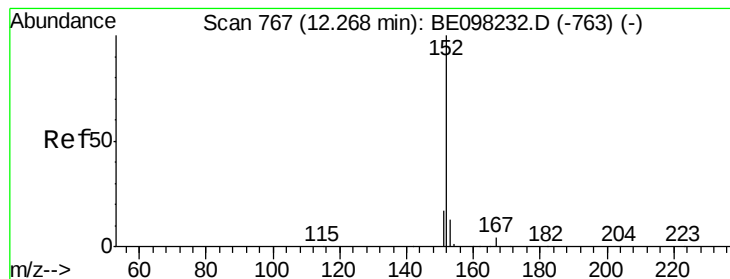


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.383 ng

RT: 12.27 min Scan# 767

Delta R.T. -0.00 min

Lab File: BE098254.D

Acq: 21 Nov 2018 9:38

Instrument :

BNA_E

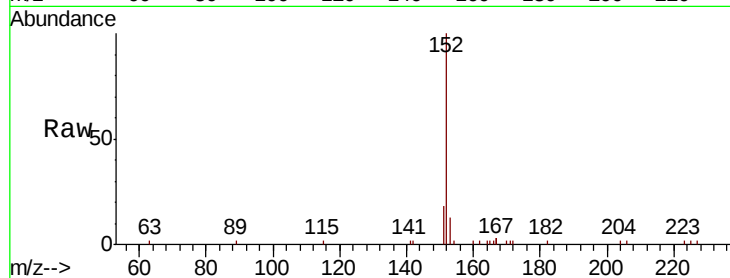
ClientSampleId :

Tot Ion:152 Resp: 4738

Ion Ratio Lower Upper

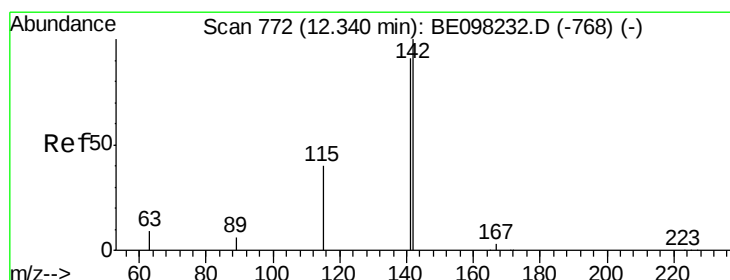
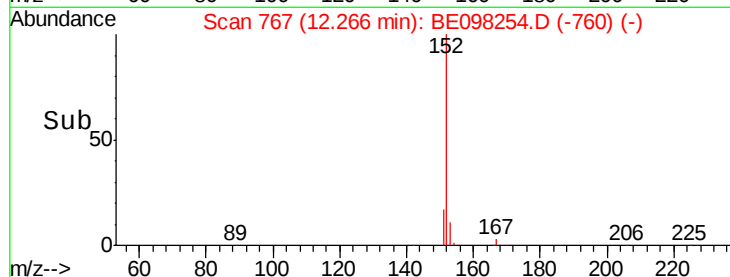
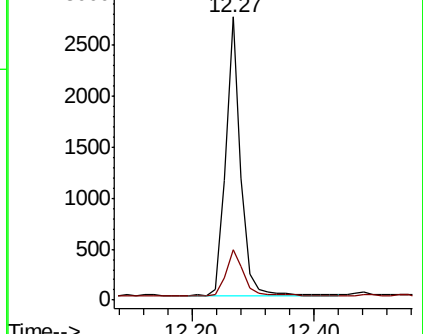
152 100

151 19.0 15.4 23.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.391 ng

RT: 12.34 min Scan# 772

Delta R.T. -0.00 min

Lab File: BE098254.D

Acq: 21 Nov 2018 9:38

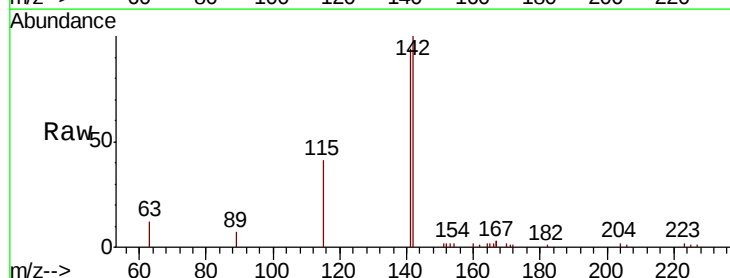
Tgt Ion:142 Resp: 4935

Ion Ratio Lower Upper

142 100

141 94.1 76.3 114.5

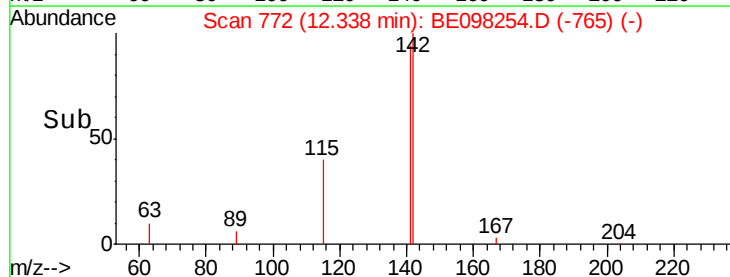
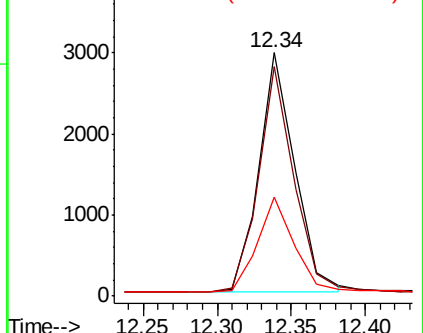
115 40.8 35.8 53.8

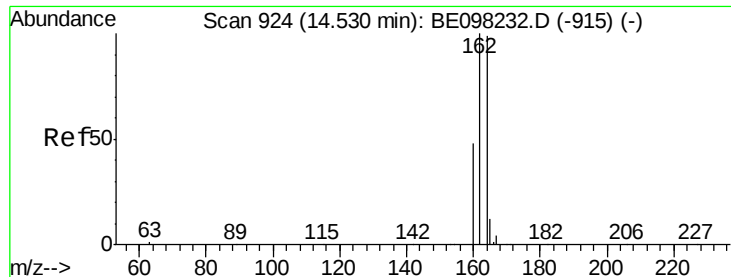


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

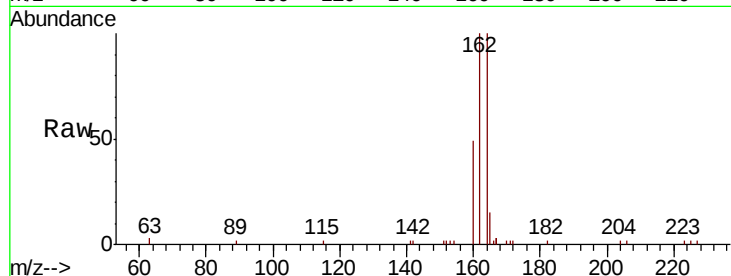




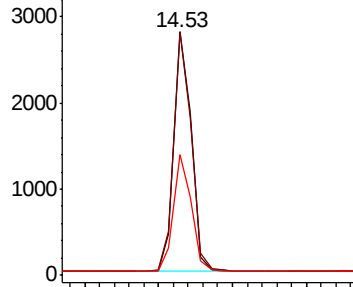
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.00 min
Lab File: BE098254.D
Acq: 21 Nov 2018 9:38

Instrument :
BNA_E
ClientSampleId :

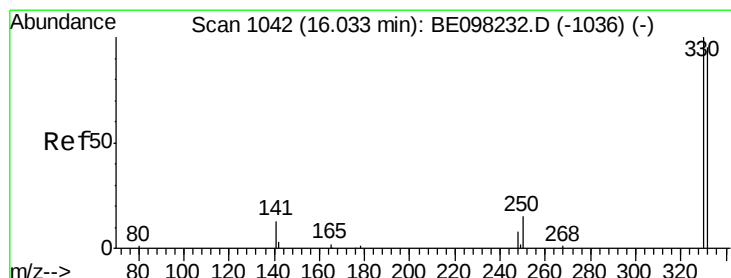
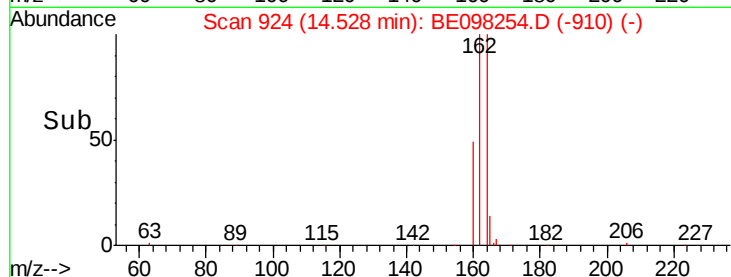
Tot Ion:164 Resp: 4569
Ion Ratio Lower Upper
164 100
162 100.0 81.8 122.6
160 49.5 39.4 59.0



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

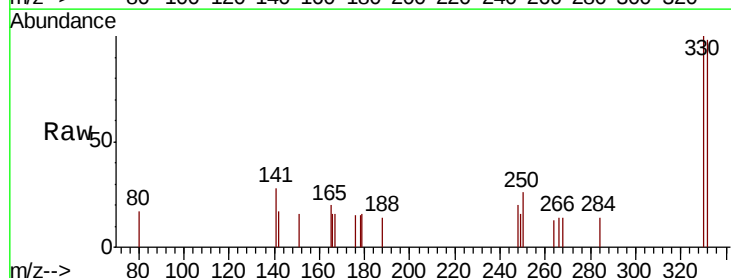


Time--> 14.40 14.50 14.60 14.70

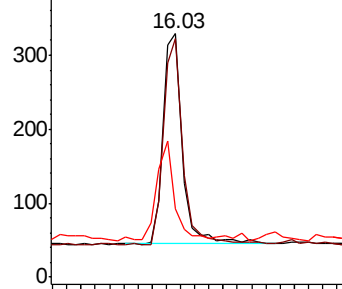


#14
2,4,6-Tribromophenol
Concen: 0.363 ng
RT: 16.03 min Scan# 1042
Delta R.T. 0.00 min
Lab File: BE098254.D
Acq: 21 Nov 2018 9:38

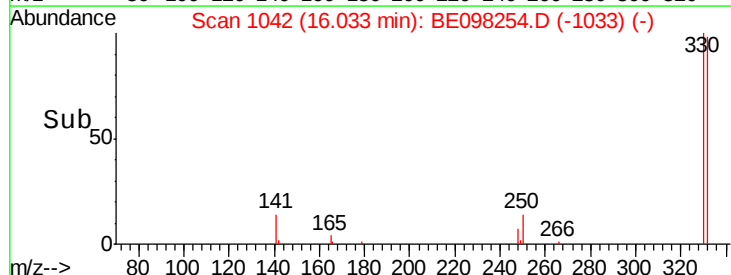
Tgt Ion:330 Resp: 534
Ion Ratio Lower Upper
330 100
332 98.3 77.7 116.5
141 44.6 33.6 50.4

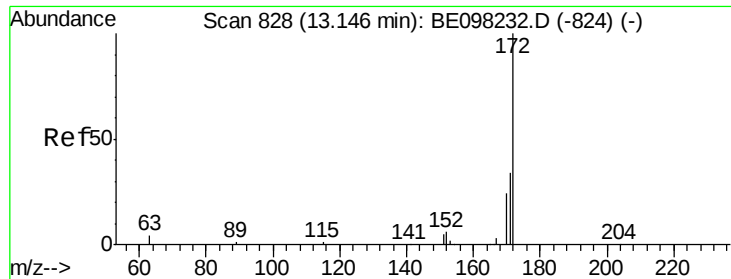


Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



Time--> 15.90 16.00 16.10 16.20

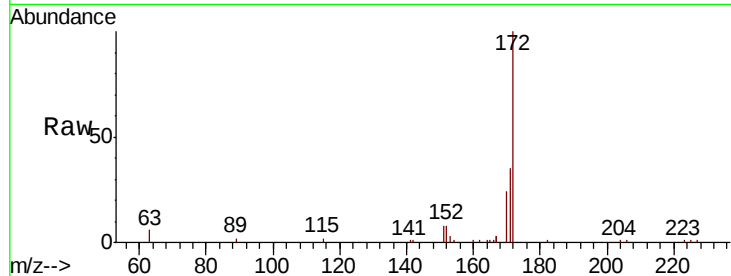




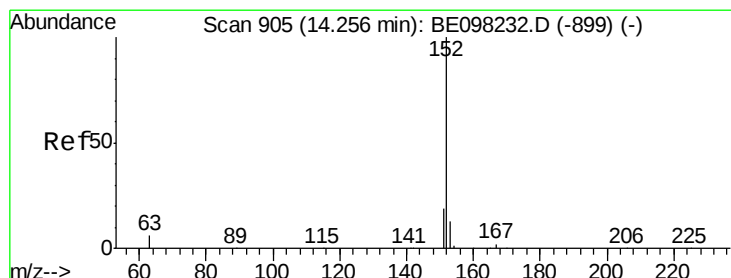
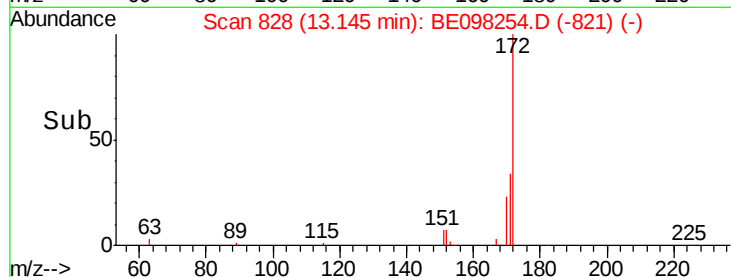
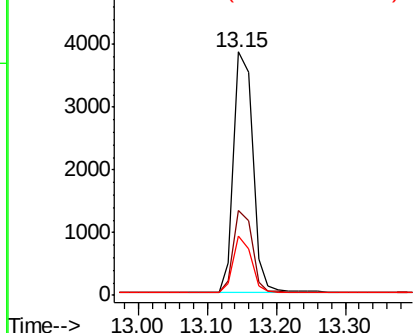
#15
2-Fluorobiphenyl
Concen: 0.375 ng
RT: 13.15 min Scan# 828
Delta R.T. -0.00 min
Lab File: BE098254.D
Acq: 21 Nov 2018 9:38

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 7447
Ion Ratio Lower Upper
172 100
171 34.8 27.3 40.9
170 24.4 19.4 29.0

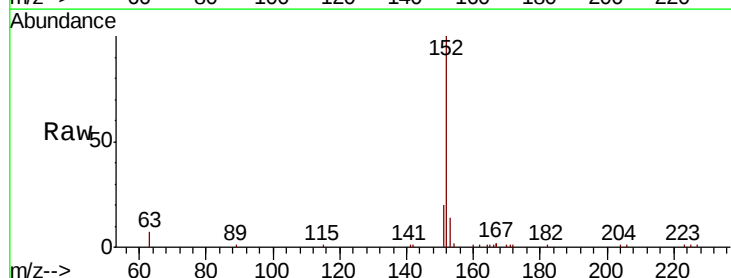


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

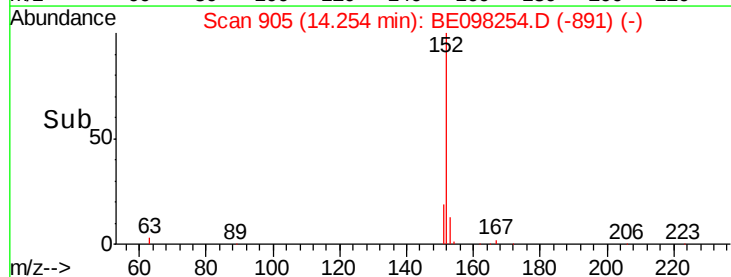
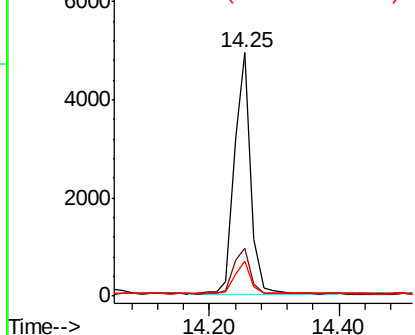


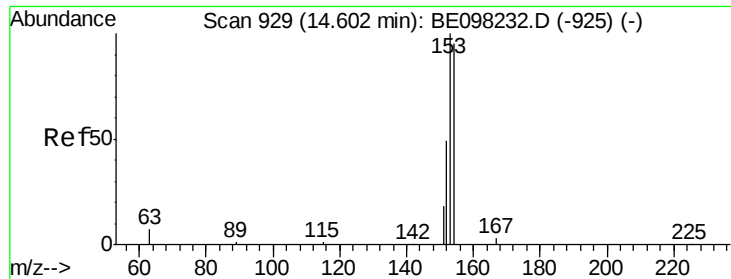
#16
Acenaphthylene
Concen: 0.392 ng
RT: 14.25 min Scan# 905
Delta R.T. -0.00 min
Lab File: BE098254.D
Acq: 21 Nov 2018 9:38

Tgt Ion:152 Resp: 8527
Ion Ratio Lower Upper
152 100
151 19.8 16.4 24.6
153 12.8 10.6 15.8



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

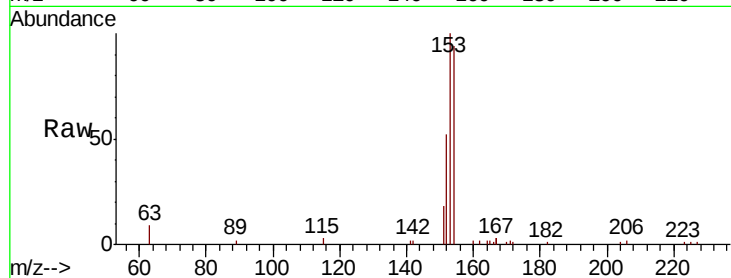




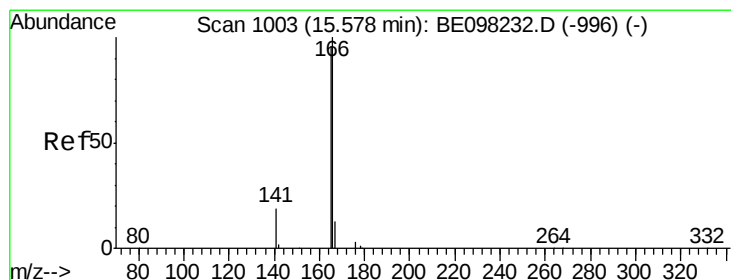
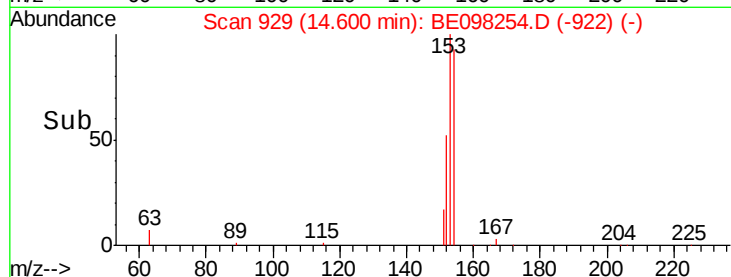
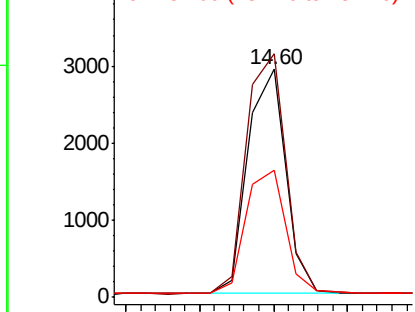
#17
Acenaphthene
Concen: 0.397 ng
RT: 14.60 min Scan# 929
Delta R.T. -0.00 min
Lab File: BE098254.D
Acq: 21 Nov 2018 9:38

Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 5162
Ion Ratio Lower Upper
154 100
153 111.4 92.1 138.1
152 58.0 46.2 69.2

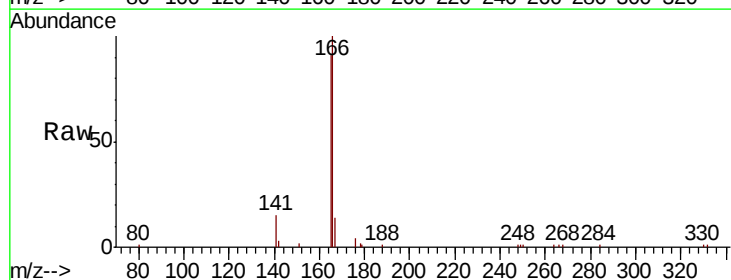


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

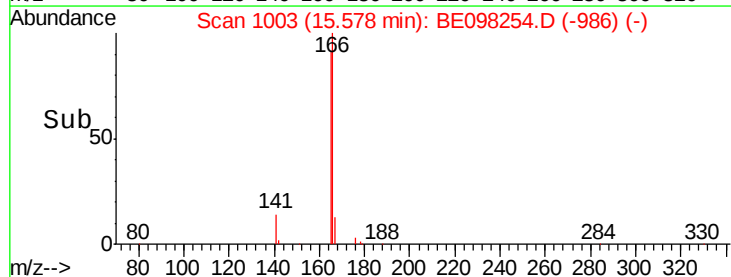
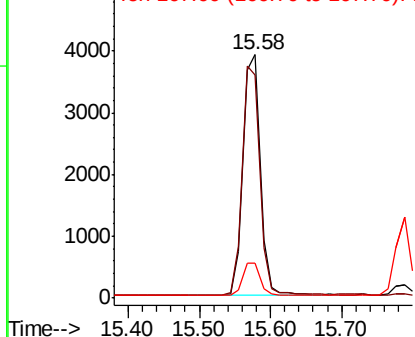


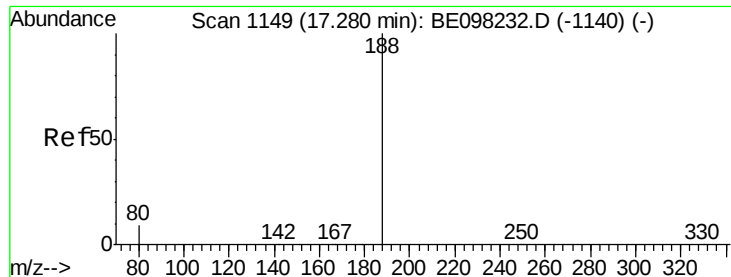
#18
Fluorene
Concen: 0.398 ng
RT: 15.58 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BE098254.D
Acq: 21 Nov 2018 9:38

Tgt Ion:166 Resp: 6596
Ion Ratio Lower Upper
166 100
165 96.1 80.1 120.1
167 13.8 10.8 16.2



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: 17.28 min Scan# 1149

Delta R.T. 0.00 min

Lab File: BE098254.D

Acq: 21 Nov 2018 9:38

Instrument :

BNA_E

ClientSampleId :

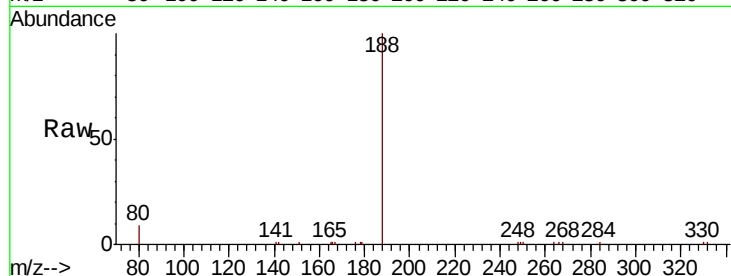
Tot Ion:188 Resp: 10557

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

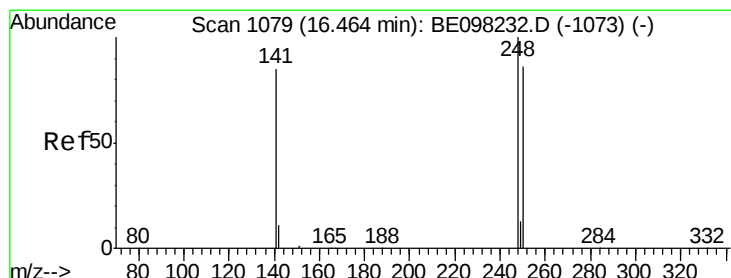
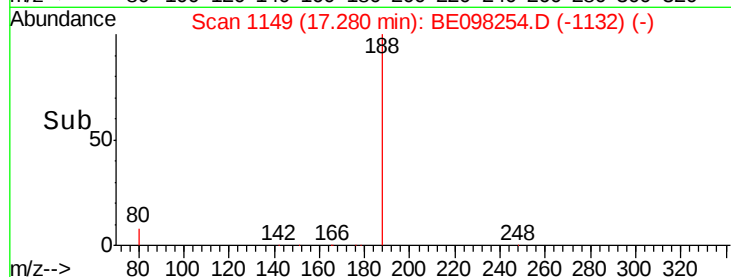
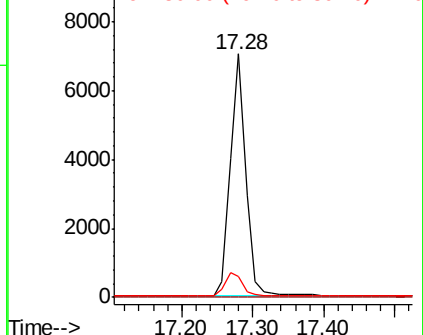
80 8.7 6.7 10.1



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: 0.384 ng

RT: 16.46 min Scan# 1079

Delta R.T. 0.00 min

Lab File: BE098254.D

Acq: 21 Nov 2018 9:38

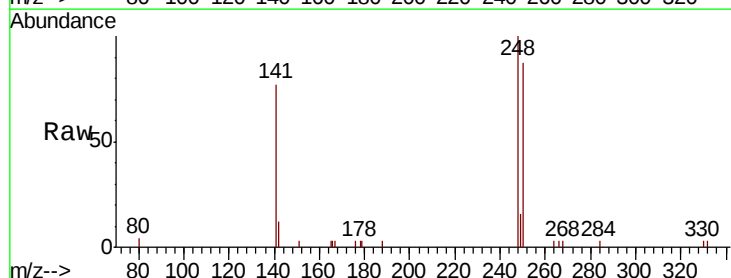
Tgt Ion:248 Resp: 2511

Ion Ratio Lower Upper

248 100

250 86.6 77.6 116.4

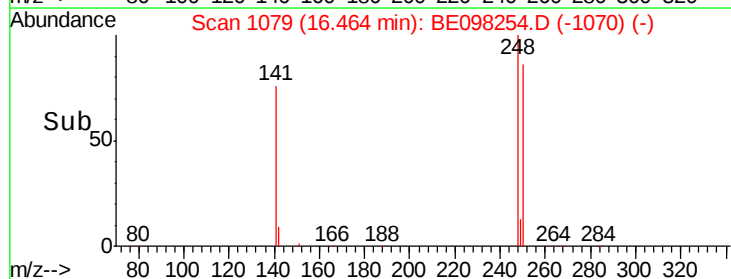
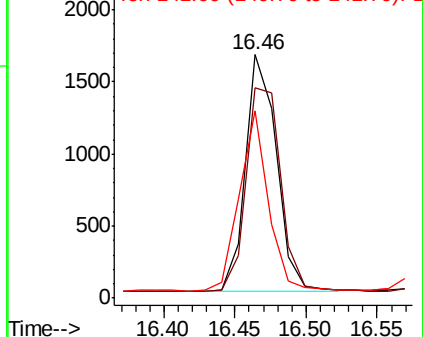
141 77.0 65.8 98.8

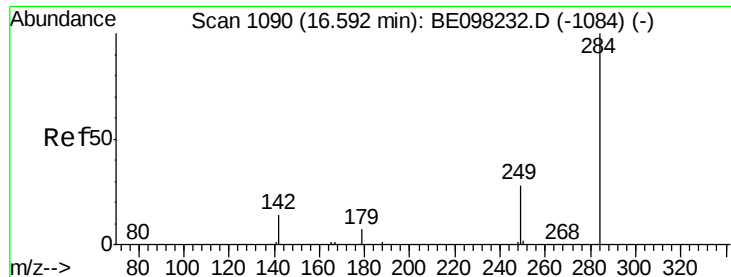


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

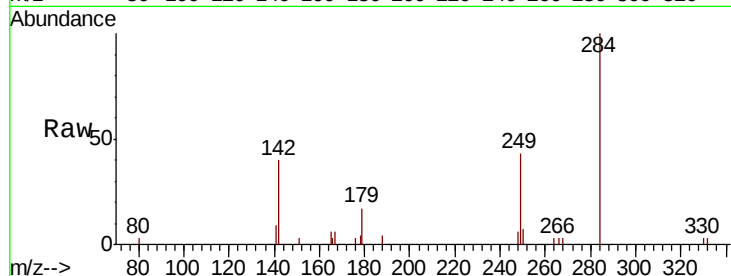




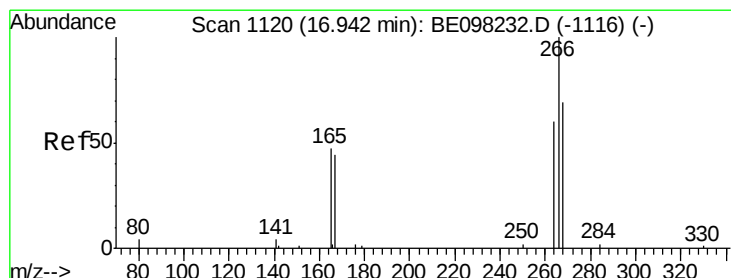
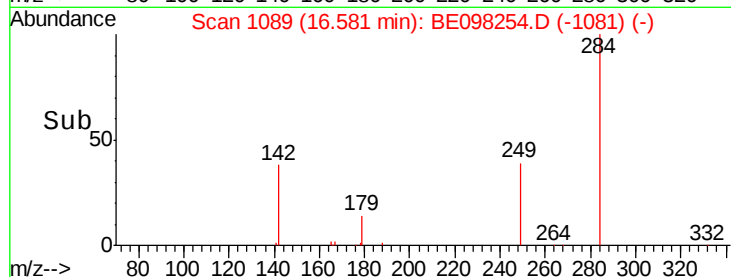
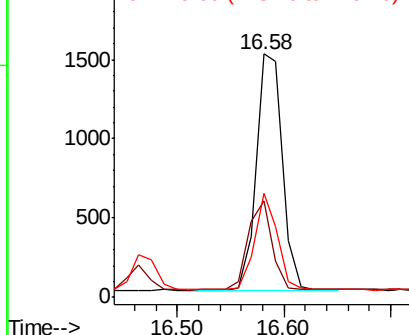
#21
Hexachlorobenzene
Concen: 0.379 ng
RT: 16.58 min Scan# 1089
Delta R.T. -0.01 min
Lab File: BE098254.D
Acq: 21 Nov 2018 9:38

Instrument :
BNA_E
ClientSampleId :

Tot Ion:284 Resp: 2556
Ion Ratio Lower Upper
284 100
142 34.9 26.5 39.7
249 35.3 28.4 42.6

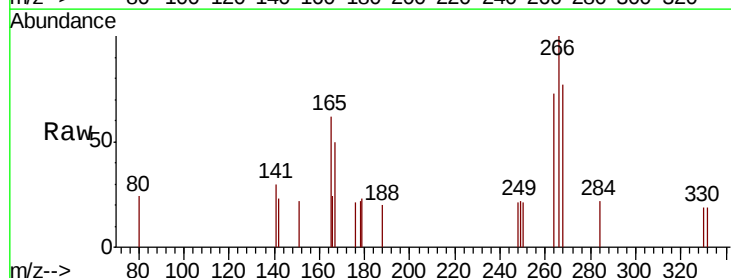


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

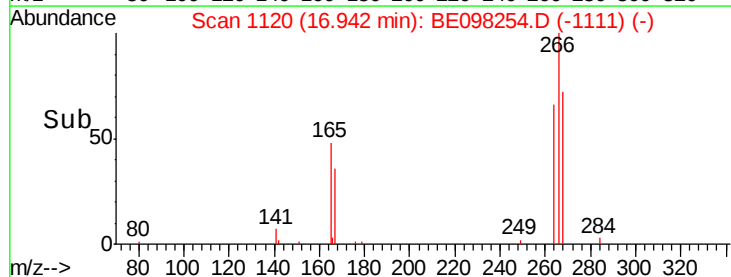
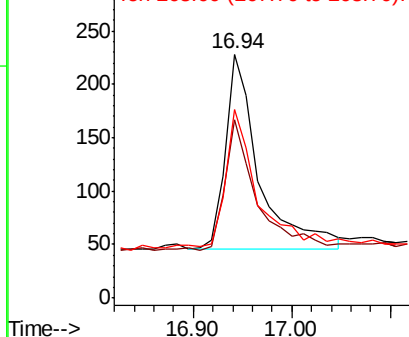


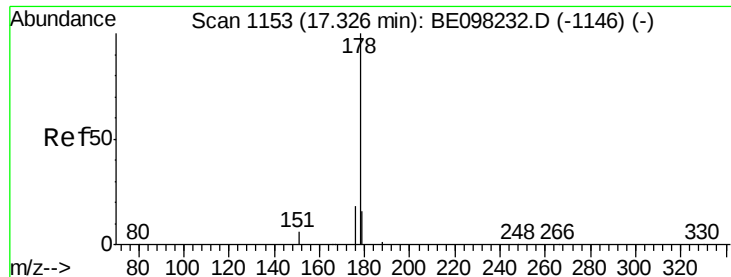
#22
Pentachlorophenol
Concen: 0.426 ng
RT: 16.94 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE098254.D
Acq: 21 Nov 2018 9:38

Tgt Ion:266 Resp: 429
Ion Ratio Lower Upper
266 100
264 73.2 57.6 86.4
268 77.2 56.8 85.2



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: 0.391 ng

RT: 17.31 min Scan# 1152

Delta R.T. -0.01 min

Lab File: BE098254.D

Acq: 21 Nov 2018 9:38

Instrument :

BNA_E

ClientSampleId :

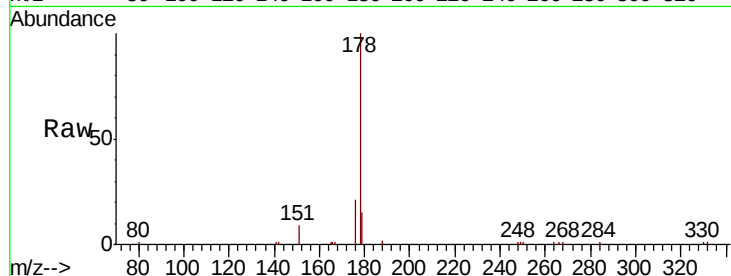
Tot Ion:178 Resp: 10623

Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.8

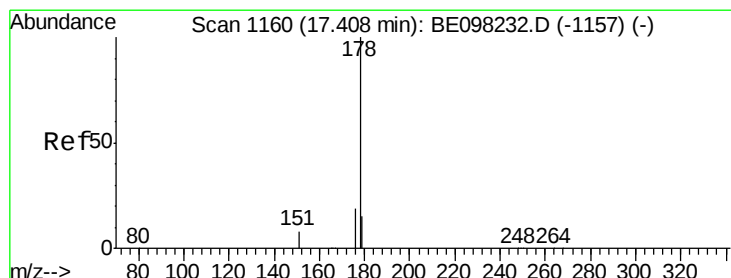
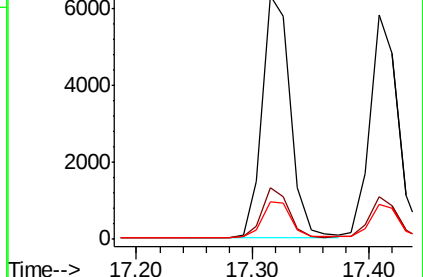
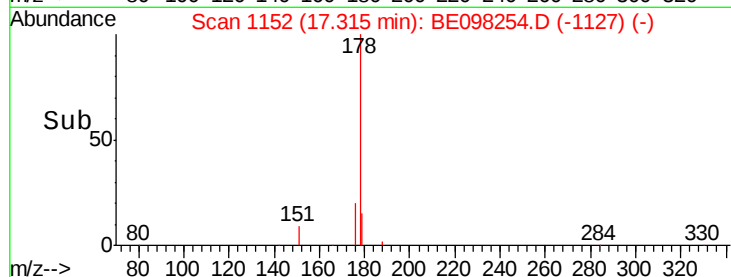
179 14.9 12.3 18.5



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: 0.389 ng

RT: 17.41 min Scan# 1160

Delta R.T. 0.00 min

Lab File: BE098254.D

Acq: 21 Nov 2018 9:38

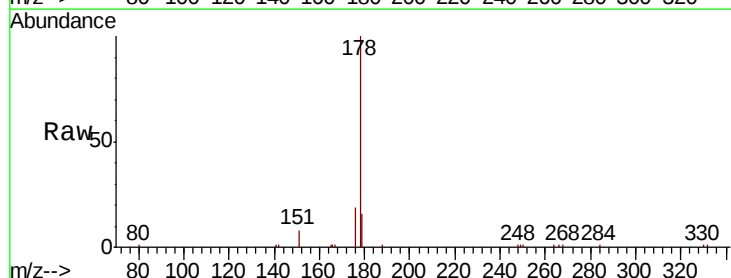
Tgt Ion:178 Resp: 9590

Ion Ratio Lower Upper

178 100

176 18.0 15.7 23.5

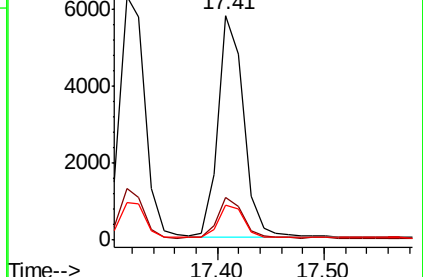
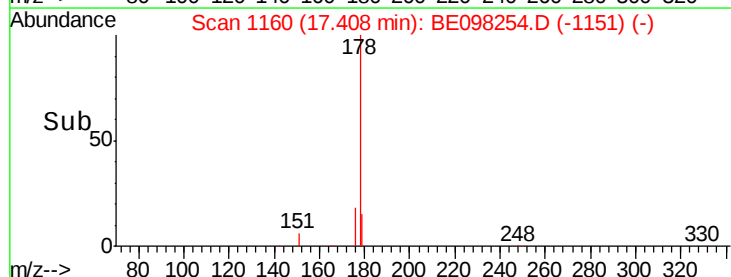
179 14.9 12.1 18.1

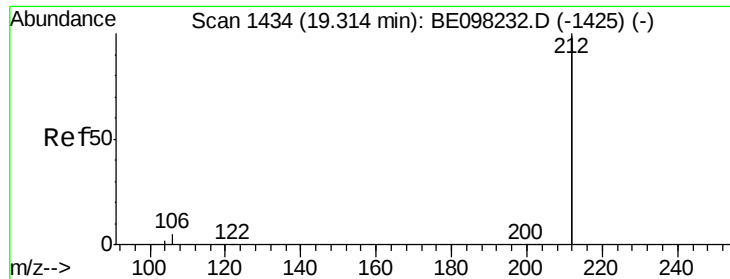


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.386 ng

RT: 19.31 min Scan# 1433

Delta R.T. -0.00 min

Lab File: BE098254.D

Acq: 21 Nov 2018 9:38

Instrument :

BNA_E

ClientSampled :

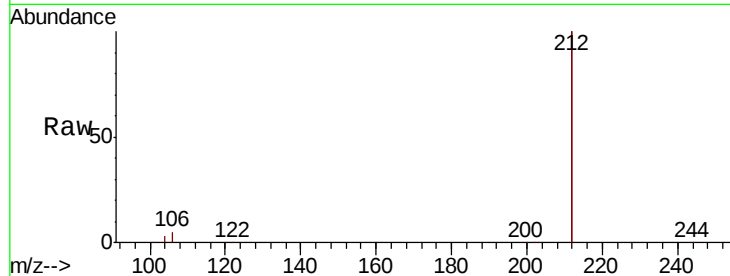
Tot Ion:212 Resp: 49511

Ion Ratio Lower Upper

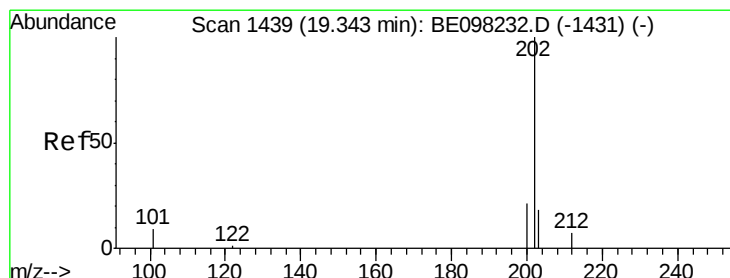
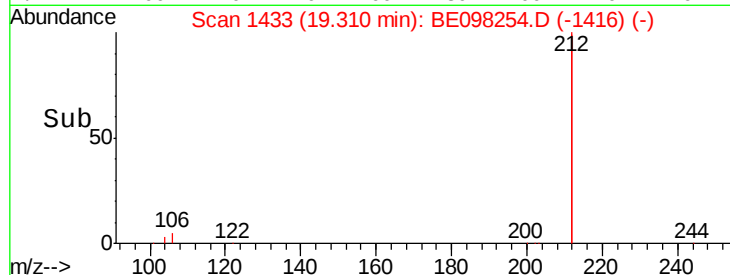
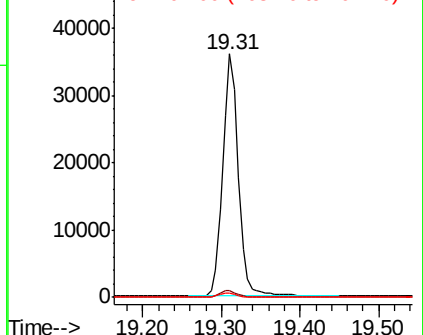
212 100

106 2.7 1.8 2.8

104 1.5 1.1 1.7



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: 0.387 ng

RT: 19.34 min Scan# 1438

Delta R.T. -0.00 min

Lab File: BE098254.D

Acq: 21 Nov 2018 9:38

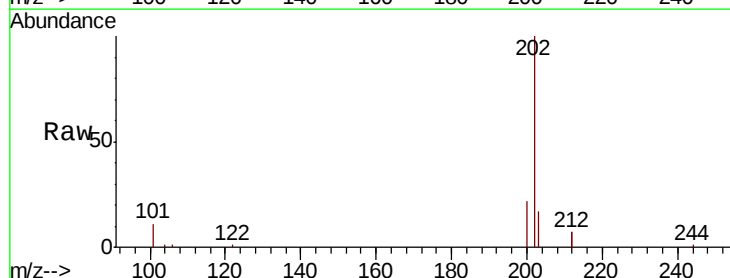
Tgt Ion:202 Resp: 12612

Ion Ratio Lower Upper

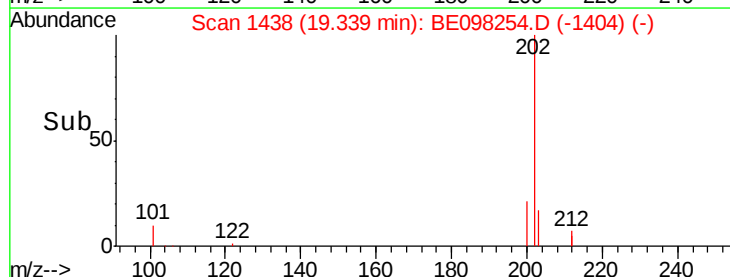
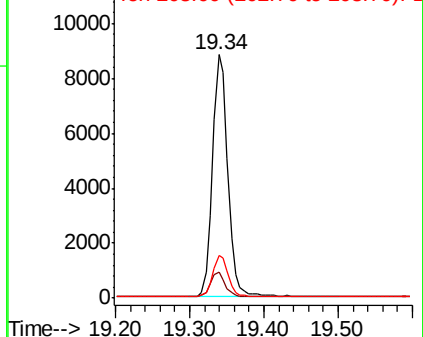
202 100

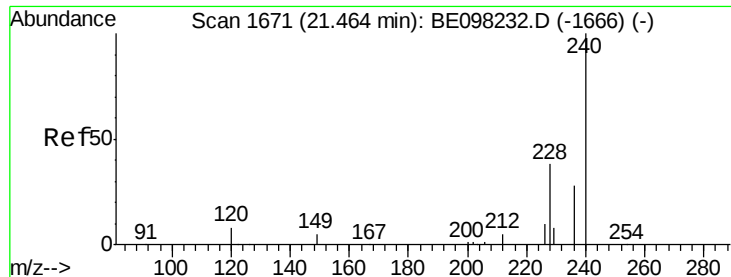
101 9.7 7.0 10.6

203 16.8 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: 21.46 min Scan# 1671

Delta R.T. -0.00 min

Lab File: BE098254.D

Acq: 21 Nov 2018 9:38

Instrument :

BNA_E

ClientSampleId :

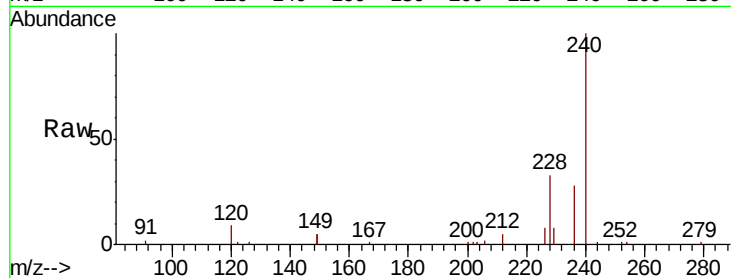
Tot Ion:240 Resp: 11386

Ion Ratio Lower Upper

240 100

120 8.9 4.8 7.2#

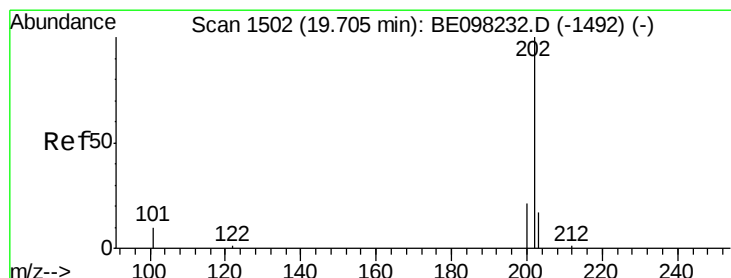
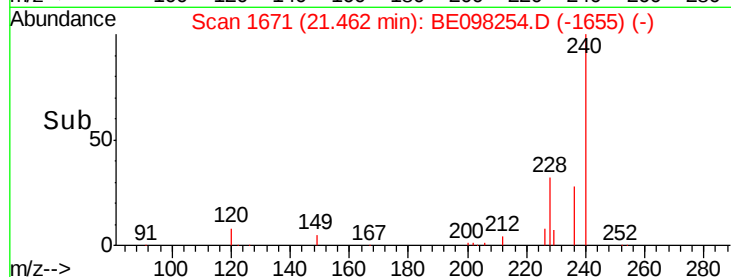
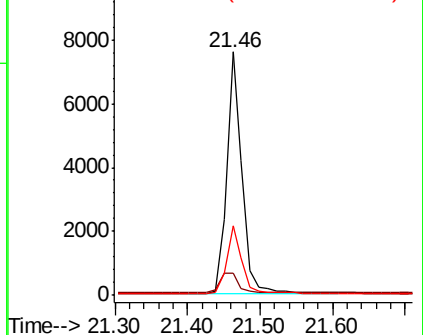
236 28.4 21.4 32.0



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: 0.386 ng

RT: 19.70 min Scan# 1501

Delta R.T. -0.00 min

Lab File: BE098254.D

Acq: 21 Nov 2018 9:38

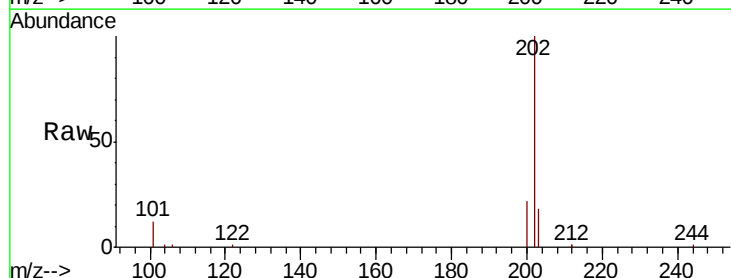
Tgt Ion:202 Resp: 12858

Ion Ratio Lower Upper

202 100

200 21.3 17.2 25.8

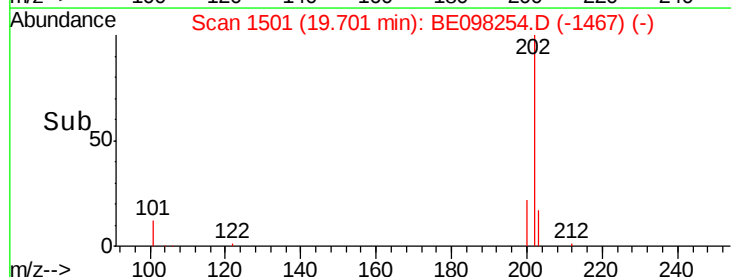
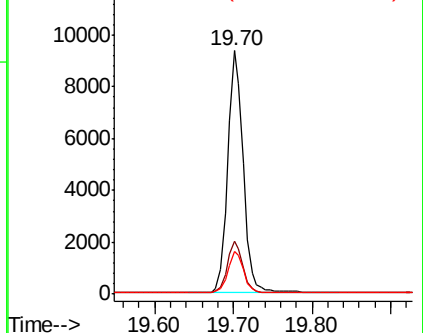
203 17.1 14.2 21.4

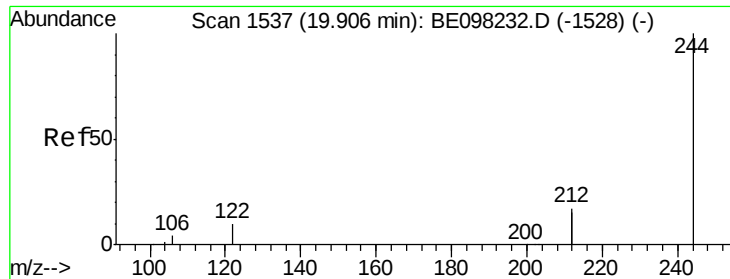


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.379 ng

RT: 19.91 min Scan# 1537

Delta R.T. 0.00 min

Lab File: BE098254.D

Acq: 21 Nov 2018 9:38

Instrument :

BNA_E

ClientSampleId :

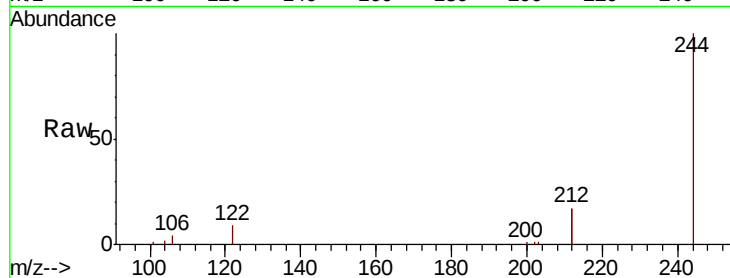
Tot Ion:244 Resp: 9908

Ion Ratio Lower Upper

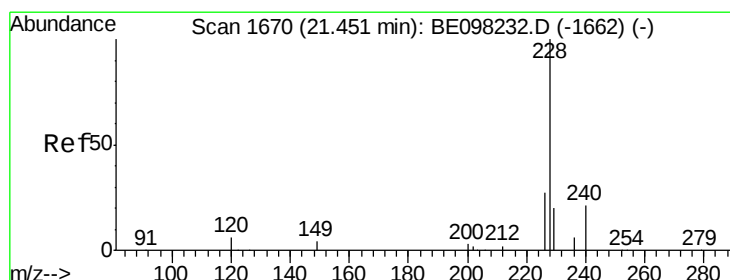
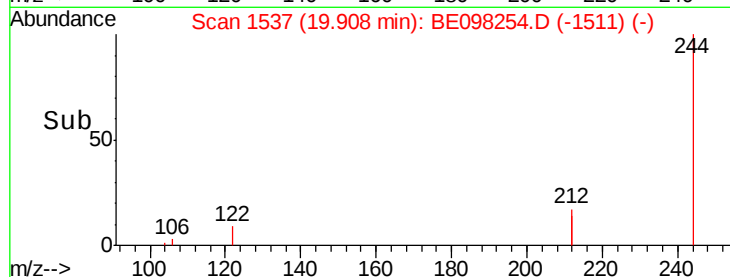
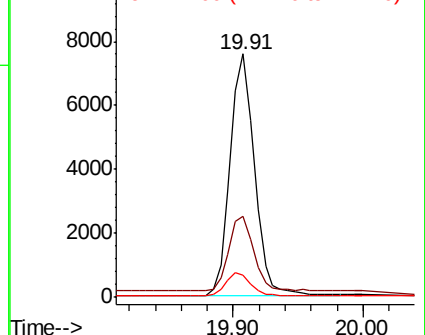
244 100

212 33.4 26.8 40.2

122 9.3 7.0 10.6



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: 0.379 ng

RT: 21.45 min Scan# 1670

Delta R.T. -0.00 min

Lab File: BE098254.D

Acq: 21 Nov 2018 9:38

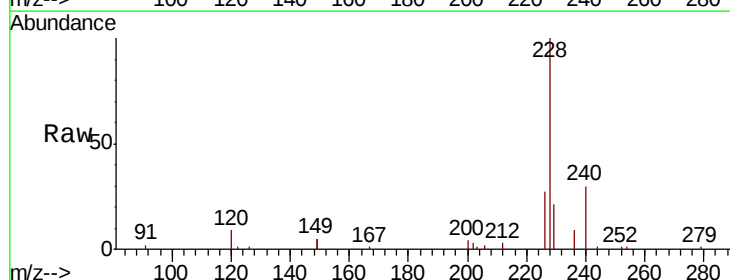
Tgt Ion:228 Resp: 12468

Ion Ratio Lower Upper

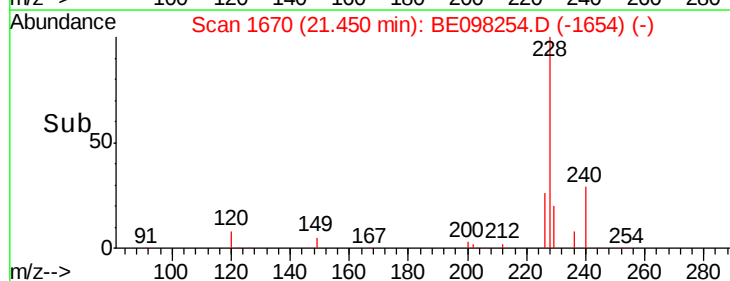
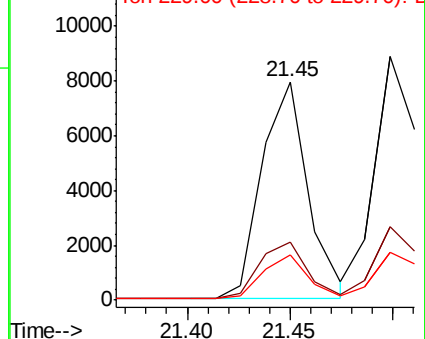
228 100

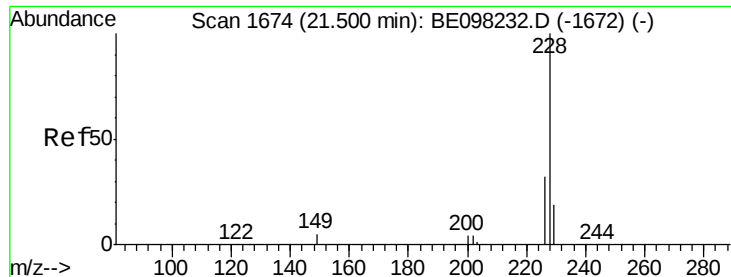
226 26.8 20.7 31.1

229 20.5 16.2 24.4



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: 0.399 ng

RT: 21.50 min Scan# 1674

Delta R.T. -0.00 min

Lab File: BE098254.D

Acq: 21 Nov 2018 9:38

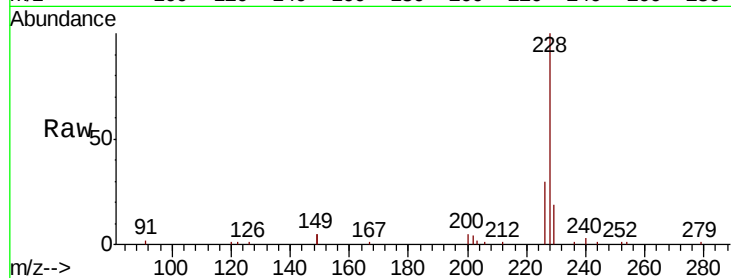
Instrument :

BNA_E

ClientSampleId :

Tot Ion:228 Resp: 13517

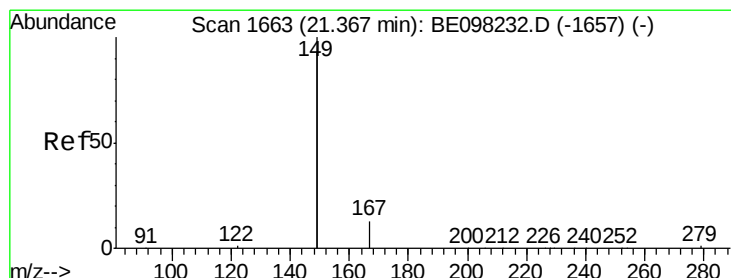
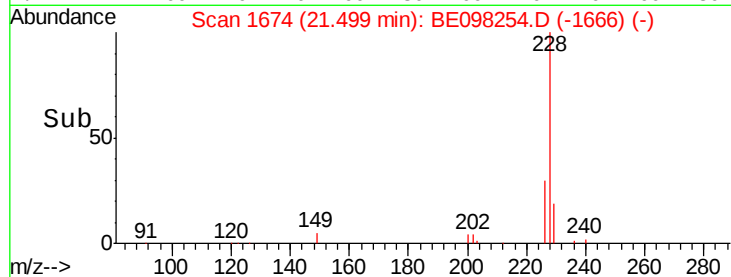
Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.6	36.8
229	19.4	16.0	24.0



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: 0.381 ng

RT: 21.37 min Scan# 1663

Delta R.T. -0.00 min

Lab File: BE098254.D

Acq: 21 Nov 2018 9:38

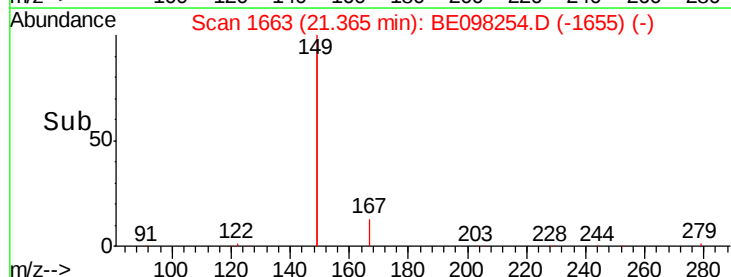
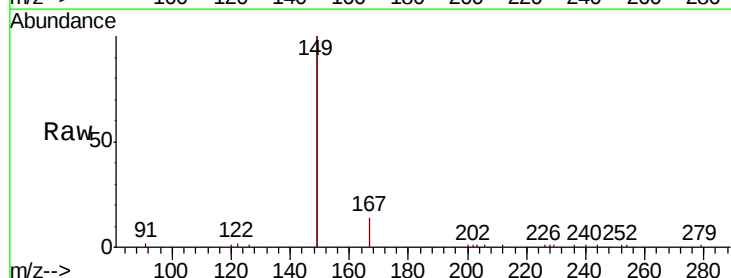
Tgt Ion:149 Resp: 19572

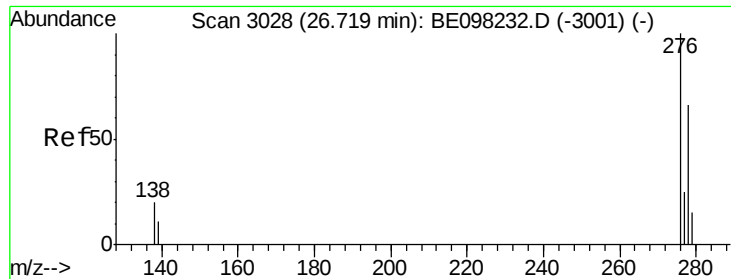
Ion	Ratio	Lower	Upper
149	100		
167	6.9	5.6	8.4
279	1.0	0.9	1.3

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

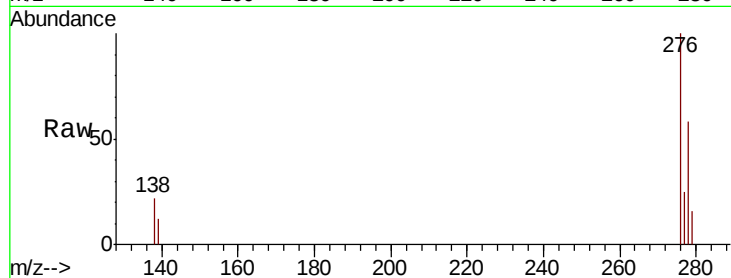




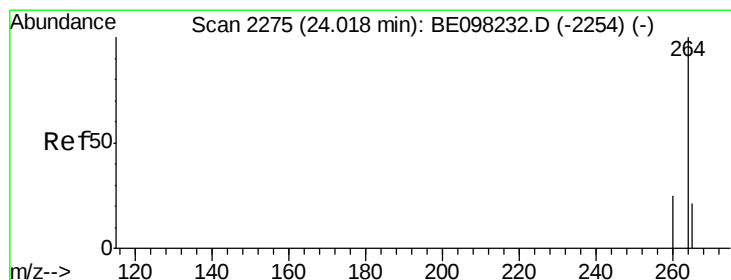
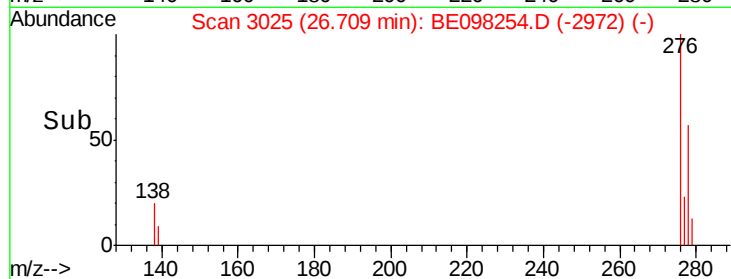
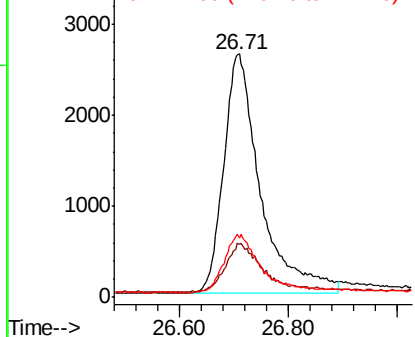
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.426 ng
RT: 26.71 min Scan# 3025
Delta R.T. -0.01 min
Lab File: BE098254.D
Acq: 21 Nov 2018 9:38

Instrument :
BNA_E
ClientSampleId :

Tot Ion:276 Resp: 12346
Ion Ratio Lower Upper
276 100
138 19.4 6.4 9.6#
277 24.4 18.9 28.3

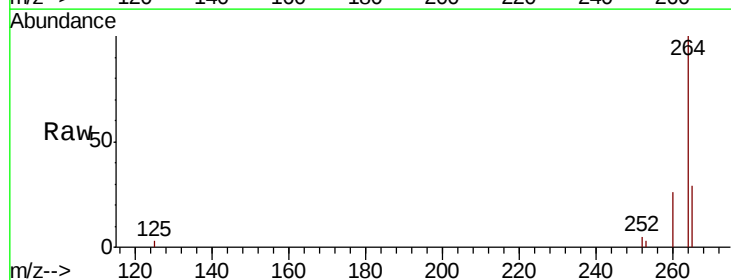


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

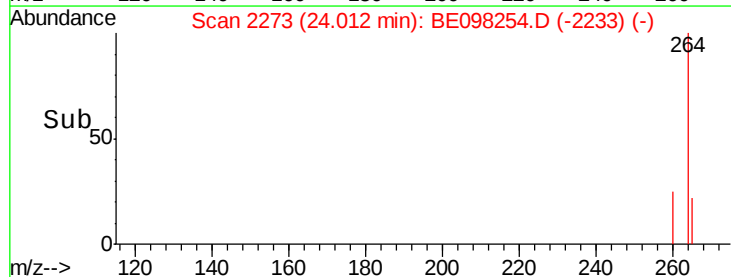
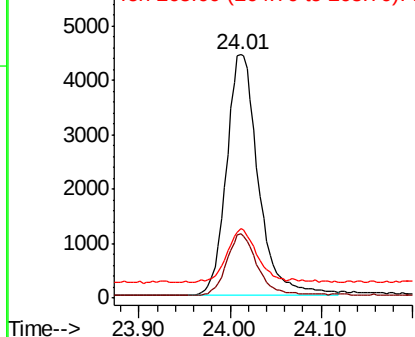


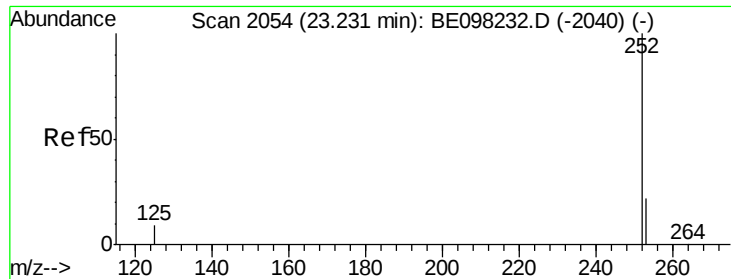
#34
Perylene-d12
Concen: 0.400 ng
RT: 24.01 min Scan# 2273
Delta R.T. -0.01 min
Lab File: BE098254.D
Acq: 21 Nov 2018 9:38

Tgt Ion:264 Resp: 10779
Ion Ratio Lower Upper
264 100
260 26.2 19.9 29.9
265 28.7 21.3 31.9



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: 0.386 ng

RT: 23.23 min Scan# 2054

Delta R.T. 0.00 min

Lab File: BE098254.D

Acq: 21 Nov 2018 9:38

Instrument :

BNA_E

ClientSampleId :

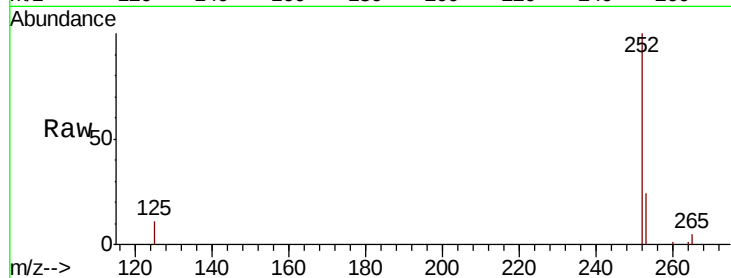
Tot Ion:252 Resp: 11741

Ion Ratio Lower Upper

252 100

253 24.2 19.4 29.0

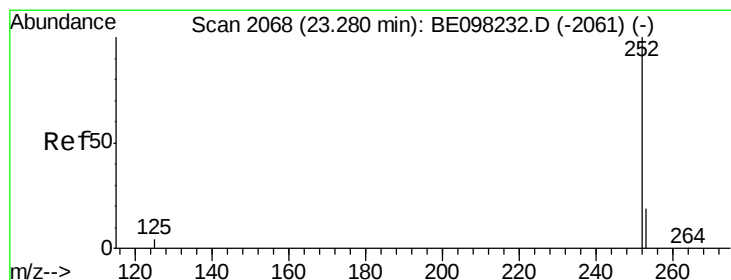
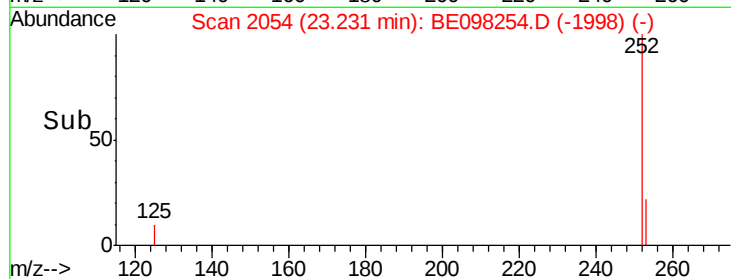
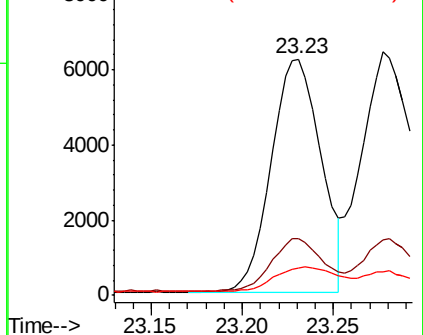
125 11.5 8.6 12.8



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: 0.376 ng

RT: 23.28 min Scan# 2067

Delta R.T. -0.00 min

Lab File: BE098254.D

Acq: 21 Nov 2018 9:38

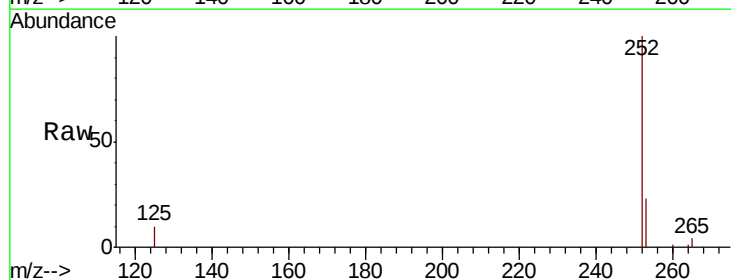
Tgt Ion:252 Resp: 12917

Ion Ratio Lower Upper

252 100

253 22.6 18.6 28.0

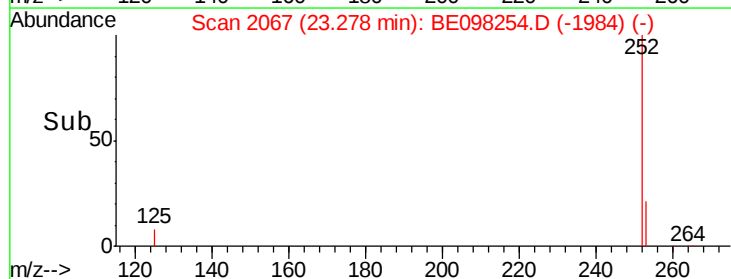
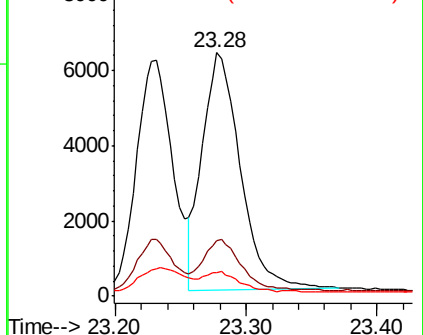
125 9.9 7.4 11.0

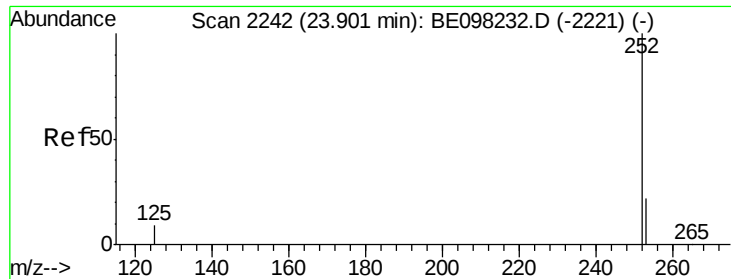


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.390 ng

RT: 23.90 min Scan# 2241

Delta R.T. -0.00 min

Lab File: BE098254.D

Acq: 21 Nov 2018 9:38

Instrument :

BNA_E

ClientSampleId :

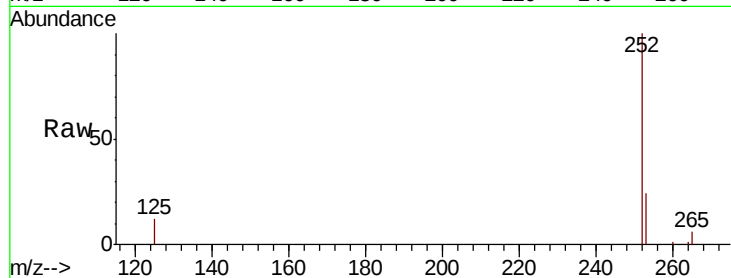
Tot Ion:252 Resp: 11646

Ion Ratio Lower Upper

252 100

253 24.0 18.6 27.8

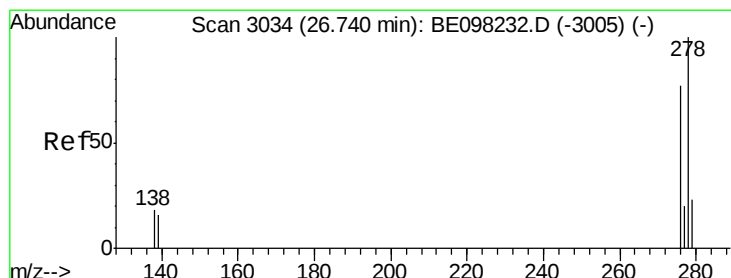
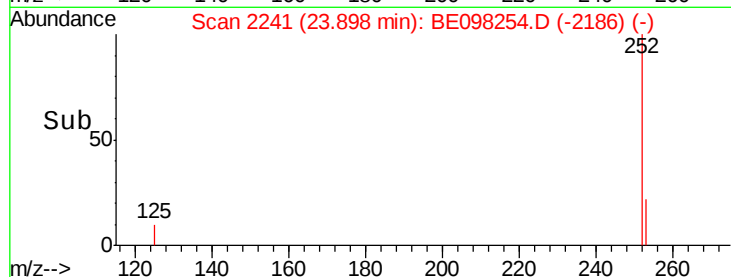
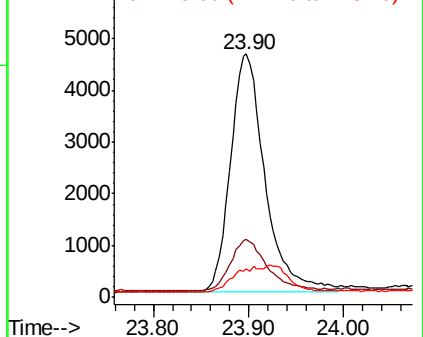
125 11.8 8.0 12.0



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



#38

Dibenzo(a,h)anthracene

Concen: 0.402 ng

RT: 26.73 min Scan# 3032

Delta R.T. -0.01 min

Lab File: BE098254.D

Acq: 21 Nov 2018 9:38

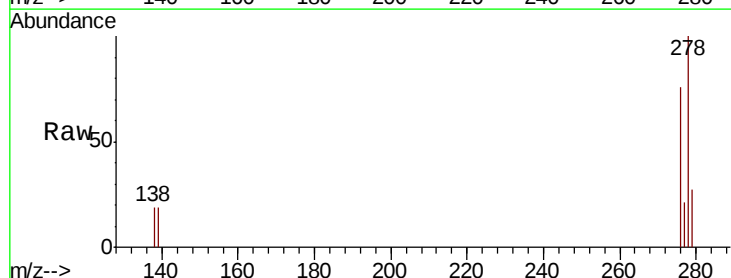
Tgt Ion:278 Resp: 9623

Ion Ratio Lower Upper

278 100

139 18.6 16.4 24.6

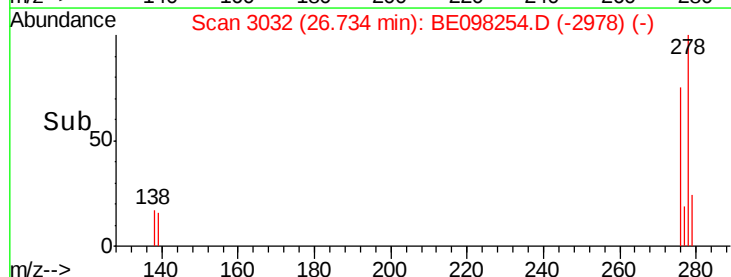
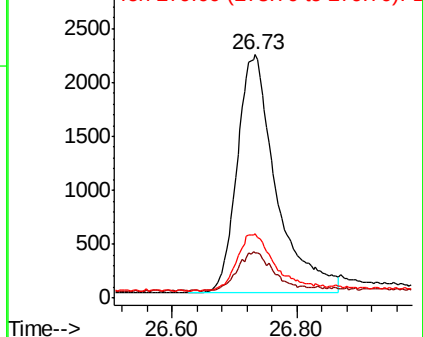
279 26.6 21.3 31.9

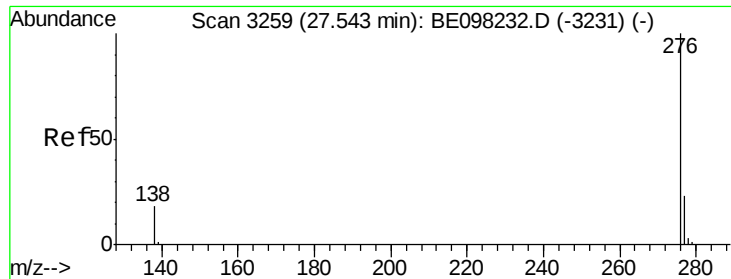


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.401 ng

RT: 27.54 min Scan# 3257

Delta R.T. -0.01 min

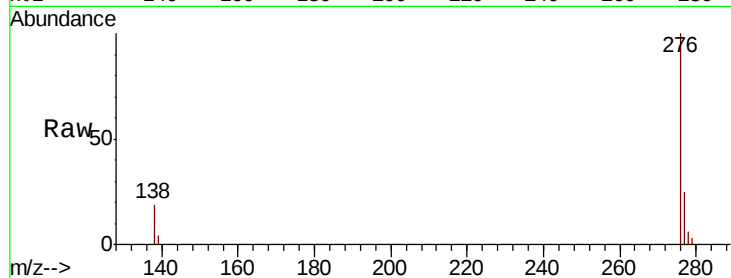
Lab File: BE098254.D

Acq: 21 Nov 2018 9:38

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 10340

Ion Ratio Lower Upper

276 100

277 25.0 20.4 30.6

138 18.8 13.2 19.8

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

