

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE111618\
 Data File : BE098234.D
 Acq On : 16 Nov 2018 17:52
 Operator : SJ/JU
 Sample : SSTDICC1.6
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Nov 16 18:24:52 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 17:10:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	1386	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	6847	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	4395	0.40	ng	0.00
19) Phenanthrene-d10	17.28	188	9936	0.40	ng	0.00
27) Chrysene-d12	21.46	240	11337	0.40	ng	0.00
34) Perylene-d12	24.02	264	10281	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.45	112	5733	1.47	ng	0.00
5) Phenol-d6	7.03	99	9469	1.51	ng	0.00
8) Nitrobenzene-d5	9.02	82	10278	1.50	ng	0.00
11) 2-Methylnaphthalene-d10	12.27	152	18569	1.55	ng	0.00
14) 2,4,6-Tribromophenol	16.02	330	2630	1.37	ng	-0.01
15) 2-Fluorobiphenyl	13.15	172	27121	1.47	ng	0.00
25) Fluoranthene-d10	19.31	212	193870	1.56	ng	0.00
29) Terphenyl-d14	19.91	244	38925	1.51	ng	0.00

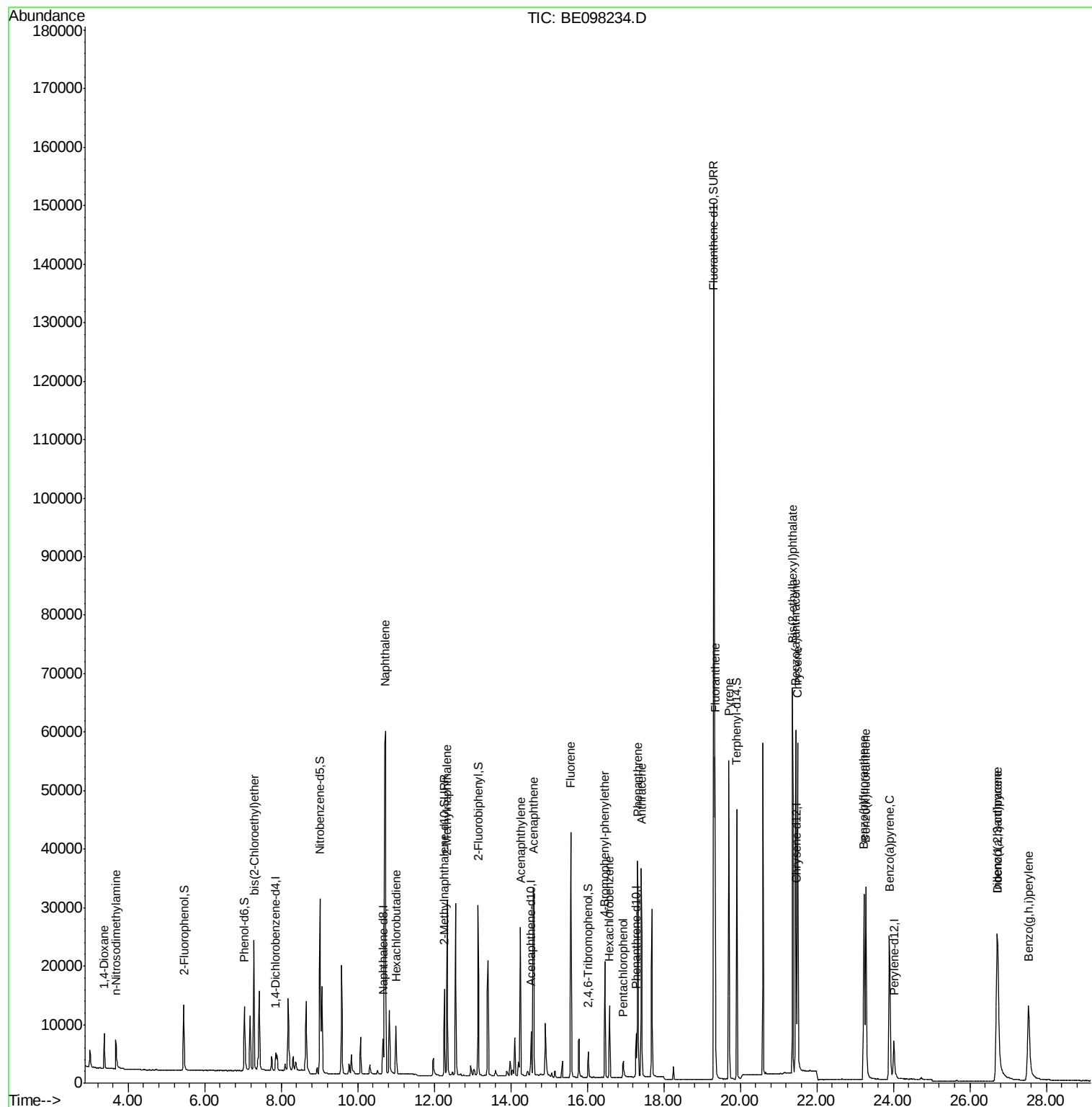
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.37	88	3216	1.428	ng	93
3) n-Nitrosodimethylamine	3.68	42	4058	1.492	ng	# 83
6) bis(2-Chloroethyl)ether	7.29	93	7780	1.534	ng	97
9) Naphthalene	10.72	128	106688	1.532	ng	99
10) Hexachlorobutadiene	11.01	225	6127	1.415	ng	99
12) 2-Methylnaphthalene	12.34	142	19445	1.610	ng	93
16) Acenaphthylene	14.26	152	33033	1.640	ng	99
17) Acenaphthene	14.60	154	19557	1.589	ng	100
18) Fluorene	15.57	166	25172	1.598	ng	100
20) 4-Bromophenyl-phenylether	16.46	248	9783	1.616	ng	94
21) Hexachlorobenzene	16.58	284	9871	1.568	ng	98
22) Pentachlorophenol	16.94	266	1911	1.746	ng	94
23) Phenanthrene	17.31	178	40238	1.626	ng	100
24) Anthracene	17.41	178	37927	1.645	ng	99
26) Fluoranthene	19.34	202	49075	1.601	ng	98
28) Pyrene	19.70	202	50215	1.610	ng	100
30) Benzo(a)anthracene	21.45	228	50827	1.578	ng	100
31) Chrysene	21.50	228	52593	1.608	ng	99
32) Bis(2-ethylhexyl)phthalate	21.37	149	81457	1.218	ng	100
33) Indeno(1,2,3-cd)pyrene	26.70	276	48230	1.608	ng	# 90
35) Benzo(b)fluoranthene	23.23	252	47055	1.613	ng	95
36) Benzo(k)fluoranthene	23.28	252	51391	1.670	ng	98
37) Benzo(a)pyrene	23.90	252	45539	1.628	ng	98
38) Dibenzo(a,h)anthracene	26.73	278	39371	1.652	ng	# 91
39) Benzo(g,h,i)perylene	27.53	276	40556	1.630	ng	96

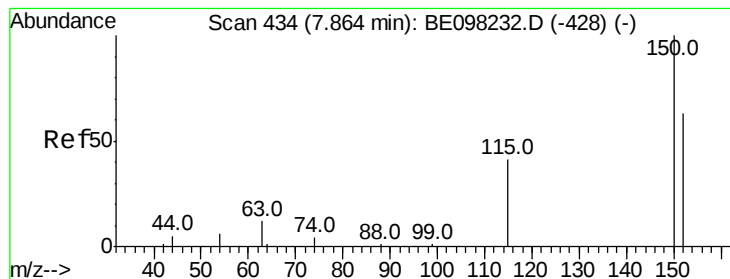
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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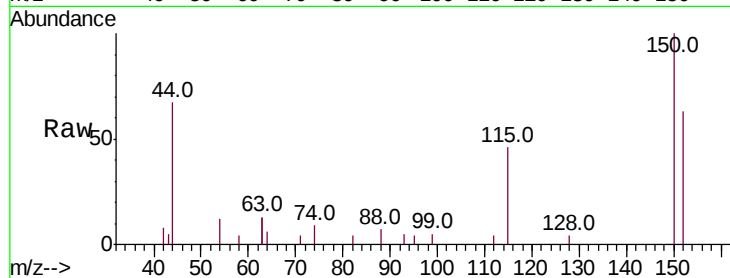


#1

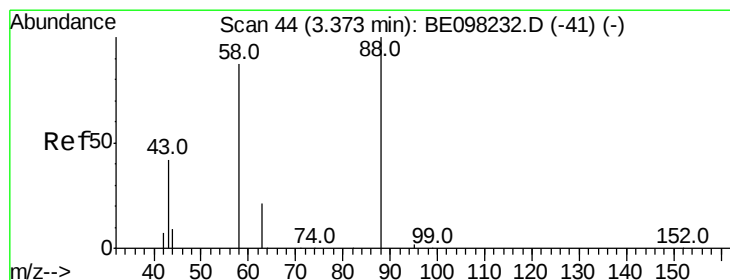
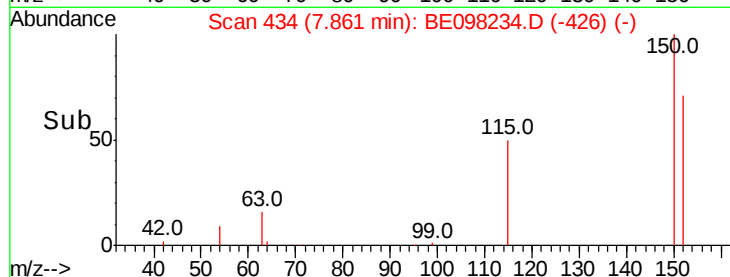
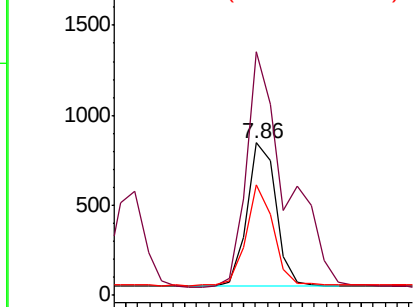
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. -0.00 min
Lab File: BE098234.D
Acq: 16 Nov 2018 17:52

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1386
Ion Ratio Lower Upper
152 100
150 159.7 127.5 191.3
115 72.8 60.3 90.5



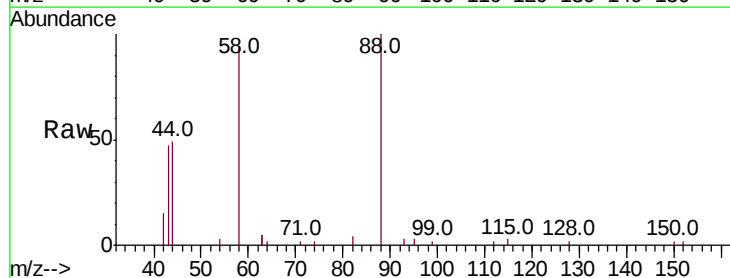
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



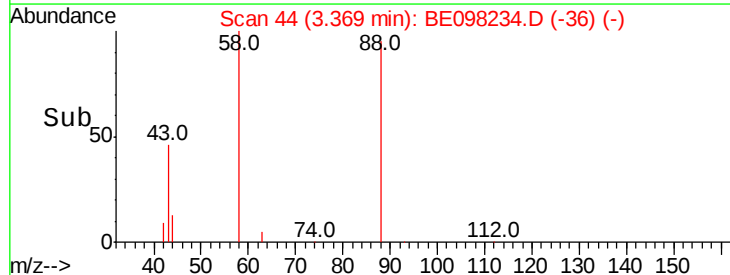
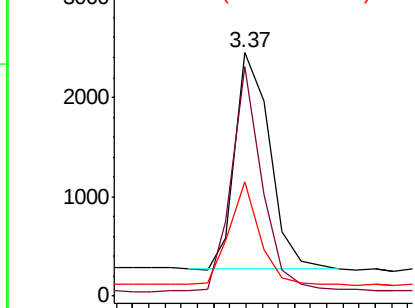
#2

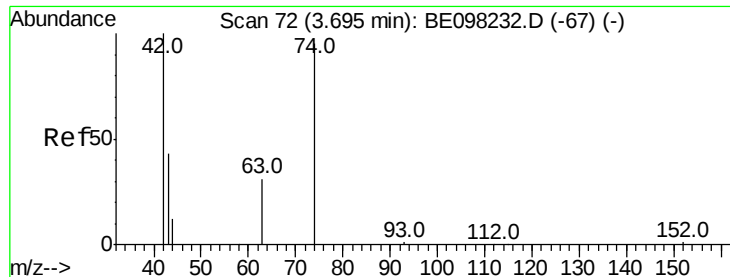
1,4-Dioxane
Concen: 1.428 ng
RT: 3.37 min Scan# 44
Delta R.T. -0.00 min
Lab File: BE098234.D
Acq: 16 Nov 2018 17:52

Tgt Ion: 88 Resp: 3216
Ion Ratio Lower Upper
88 100
58 91.9 79.0 118.4
43 42.4 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



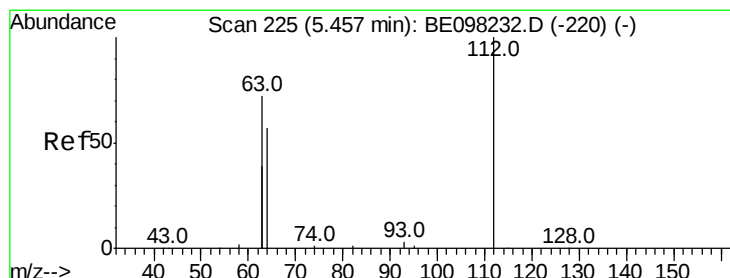
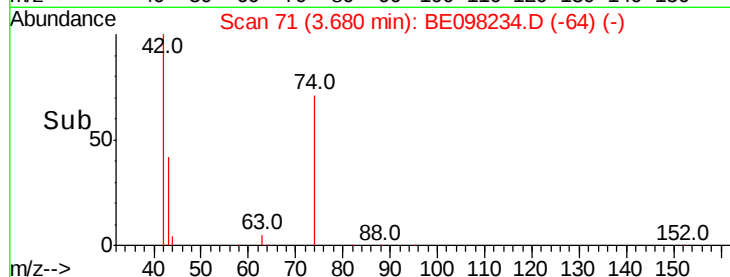
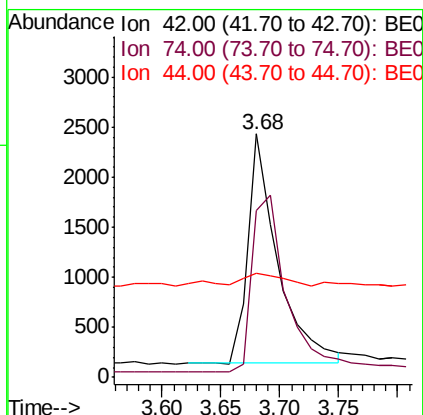
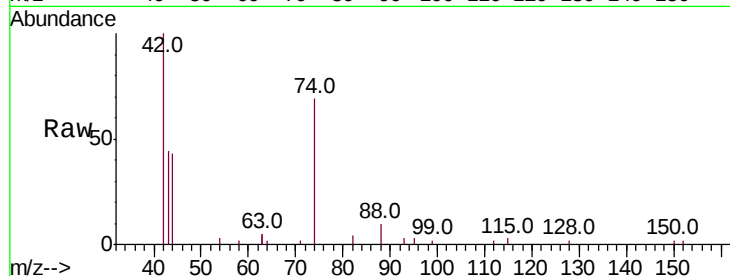


#3

n-Nitrosodimethylamine
 Concen: 1.492 ng
 RT: 3.68 min Scan# 71
 Delta R.T. -0.01 min
 Lab File: BE098234.D
 Acq: 16 Nov 2018 17:52

Instrument :
 BNA_E
 ClientSampleId :

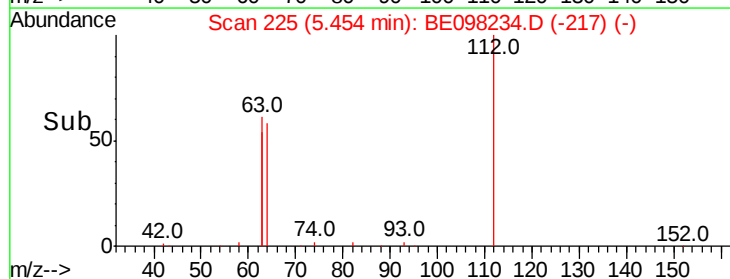
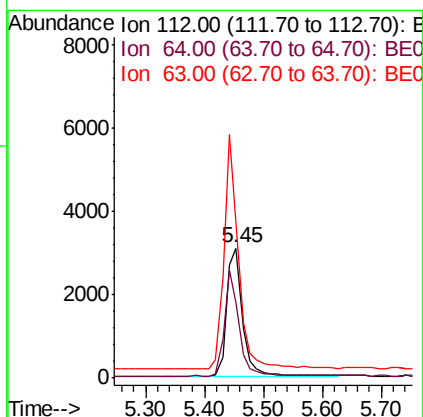
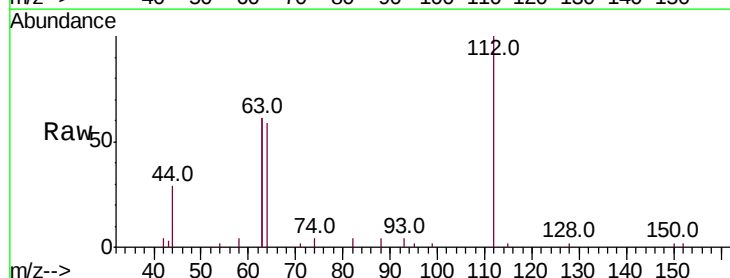
Tot Ion: 42 Resp: 4058
 Ion Ratio Lower Upper
 42 100
 74 90.0 61.7 92.5
 44 6.6 14.0 21.0#

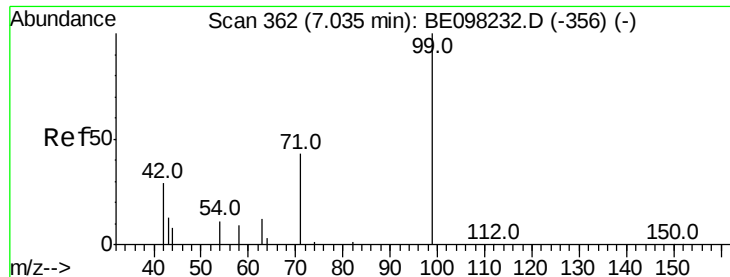


#4

2-Fluorophenol
 Concen: 1.465 ng
 RT: 5.45 min Scan# 225
 Delta R.T. -0.00 min
 Lab File: BE098234.D
 Acq: 16 Nov 2018 17:52

Tgt Ion: 112 Resp: 5733
 Ion Ratio Lower Upper
 112 100
 64 77.6 61.7 92.5
 63 165.7 136.2 204.2





#5

Phenol-d6

Concen: 1.506 ng

RT: 7.03 min Scan# 362

Delta R.T. -0.00 min

Lab File: BE098234.D

Acq: 16 Nov 2018 17:52

Instrument :

BNA_E

ClientSampleId :

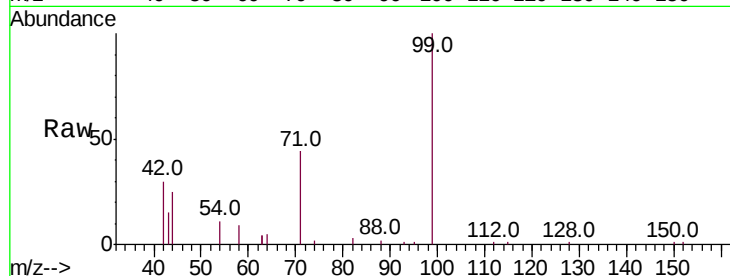
Tot Ion: 99 Resp: 9469

Ion Ratio Lower Upper

99 100

42 29.3 27.1 40.7

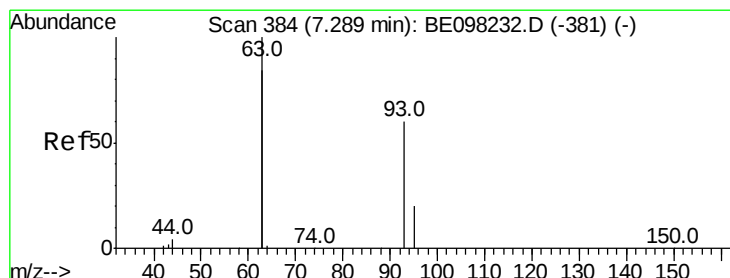
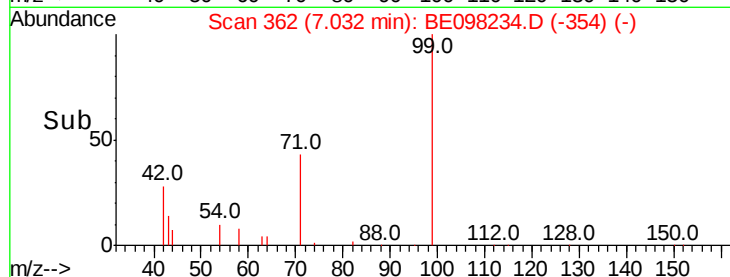
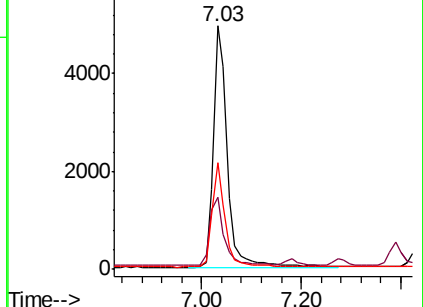
71 41.1 37.0 55.6



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: 1.534 ng

RT: 7.29 min Scan# 384

Delta R.T. -0.00 min

Lab File: BE098234.D

Acq: 16 Nov 2018 17:52

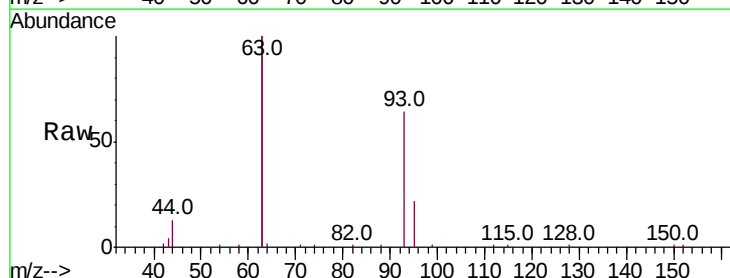
Tgt Ion: 93 Resp: 7780

Ion Ratio Lower Upper

93 100

63 346.2 272.6 409.0

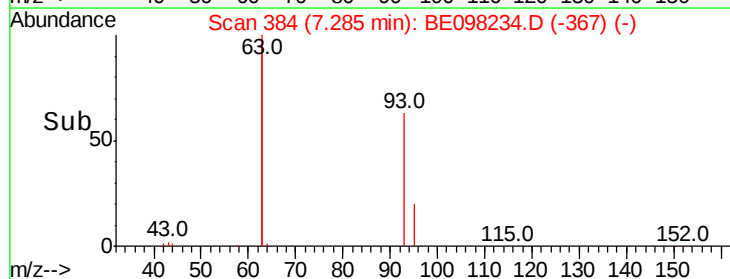
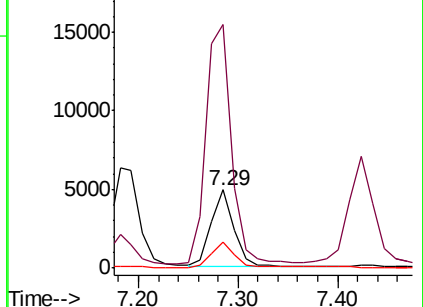
95 32.0 27.1 40.7

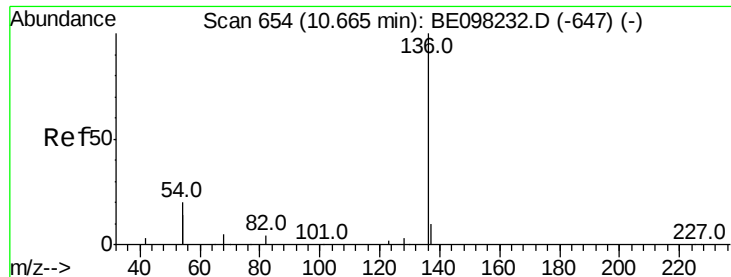


Abundance Ion 93.00 (92.70 to 93.70): BE0

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# 655

Delta R.T. 0.00 min

Lab File: BE098234.D

Acq: 16 Nov 2018 17:52

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 6847

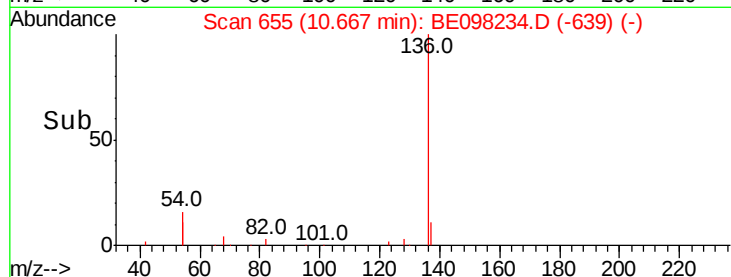
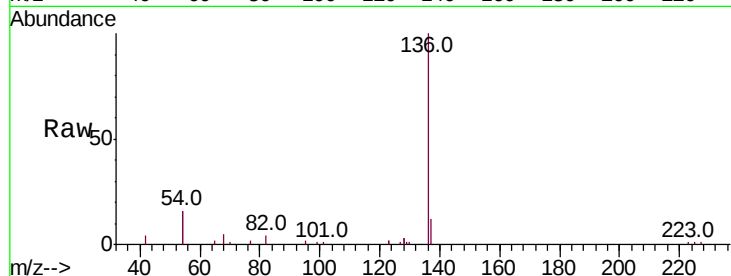
Ion Ratio Lower Upper

136 100

137 11.6 9.5 14.3

54 31.6 31.3 46.9

68 5.4 4.8 7.2

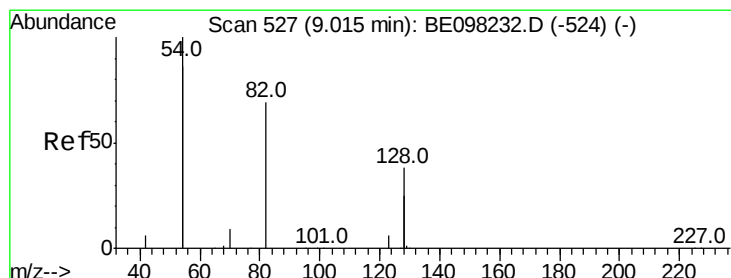
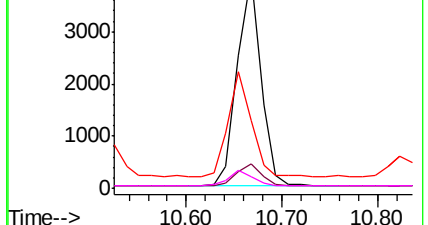


Abundance Ion 136.00 (135.70 to 136.70): E

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: 1.504 ng

RT: 9.02 min Scan# 528

Delta R.T. 0.00 min

Lab File: BE098234.D

Acq: 16 Nov 2018 17:52

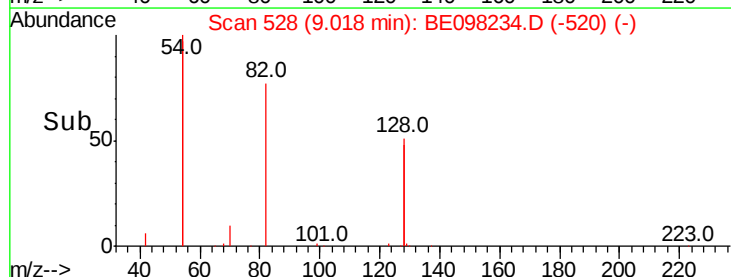
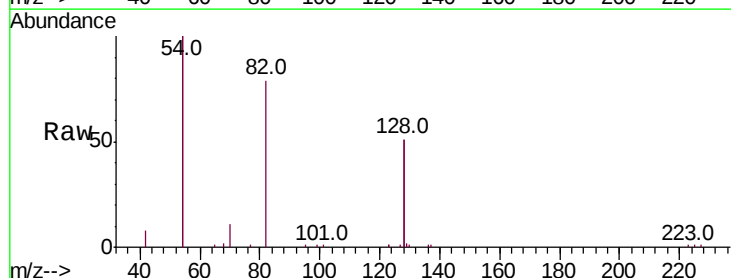
Tgt Ion: 82 Resp: 10278

Ion Ratio Lower Upper

82 100

128 128.7 96.1 144.1

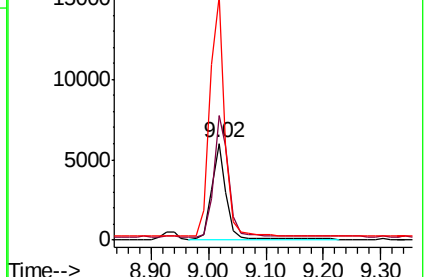
54 252.3 232.0 348.0

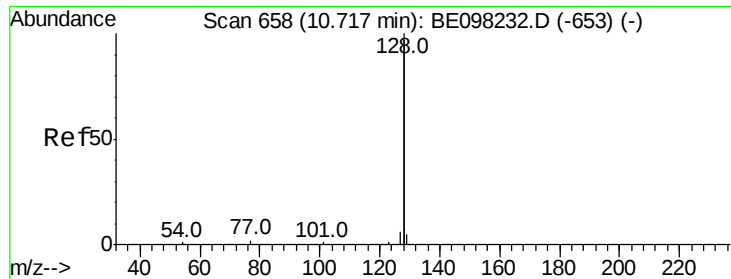


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 1.532 ng

RT: 10.72 min Scan# 659

Delta R.T. 0.00 min

Lab File: BE098234.D

Acq: 16 Nov 2018 17:52

Instrument :

BNA_E

ClientSampleId :

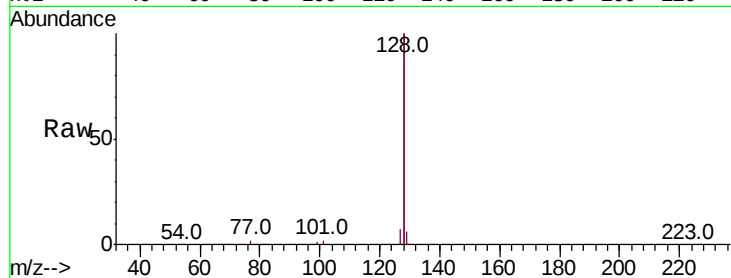
Tot Ion:128 Resp: 106688

Ion Ratio Lower Upper

128 100

129 2.8 2.6 4.0

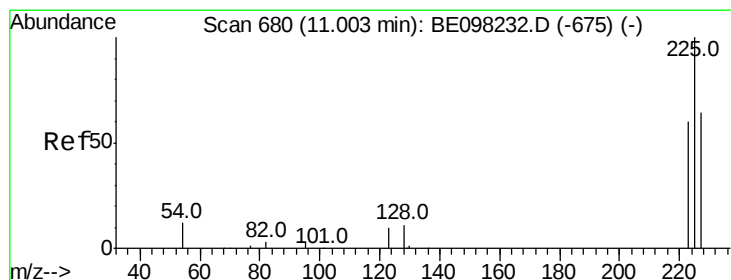
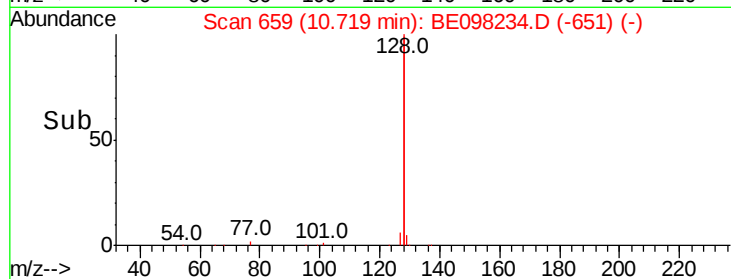
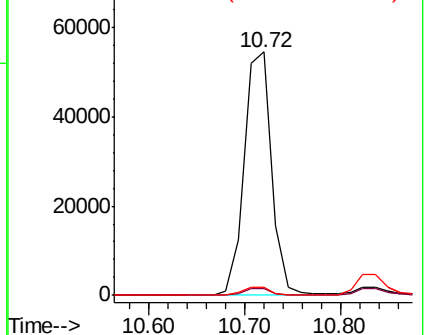
127 3.3 2.8 4.2



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: 1.415 ng

RT: 11.01 min Scan# 681

Delta R.T. 0.00 min

Lab File: BE098234.D

Acq: 16 Nov 2018 17:52

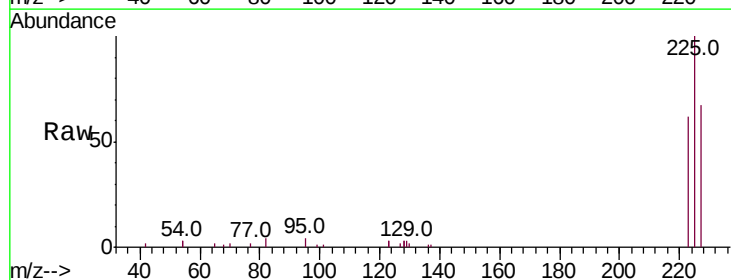
Tgt Ion:225 Resp: 6127

Ion Ratio Lower Upper

225 100

223 62.6 50.5 75.7

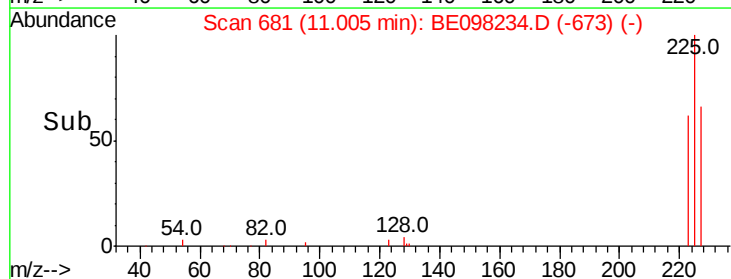
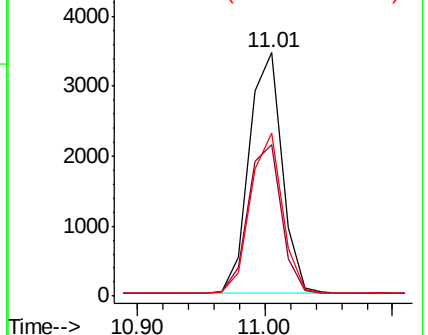
227 64.4 50.3 75.5

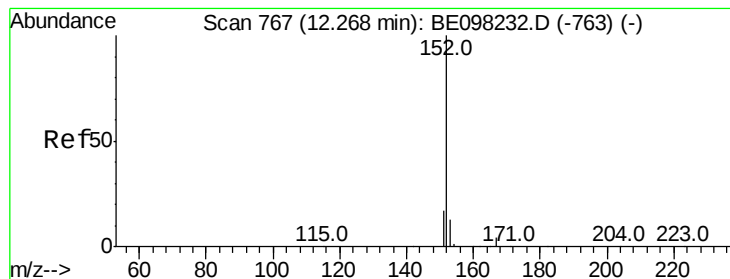


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 1.546 ng

RT: 12.27 min Scan# 768

Delta R.T. -0.00 min

Lab File: BE098234.D

Acq: 16 Nov 2018 17:52

Instrument :

BNA_E

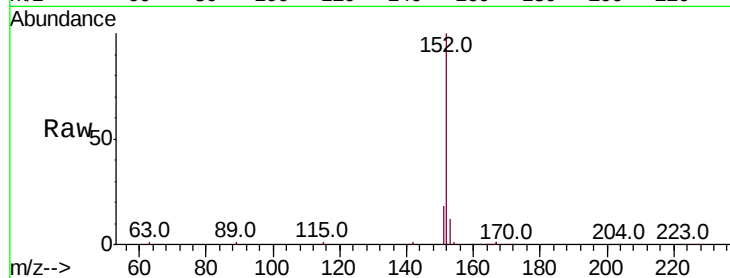
ClientSampleId :

Tot Ion:152 Resp: 18569

Ion Ratio Lower Upper

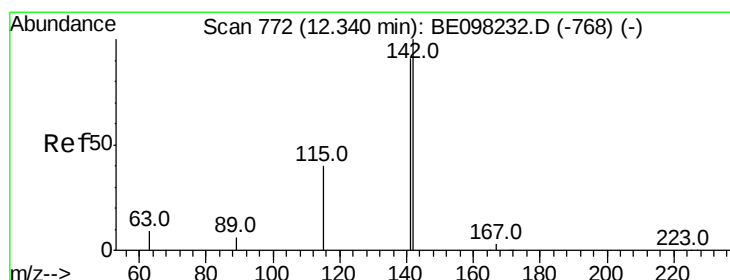
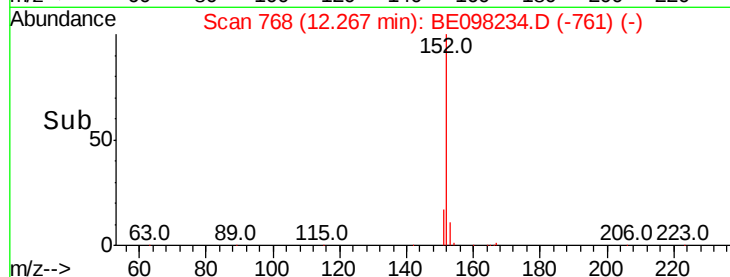
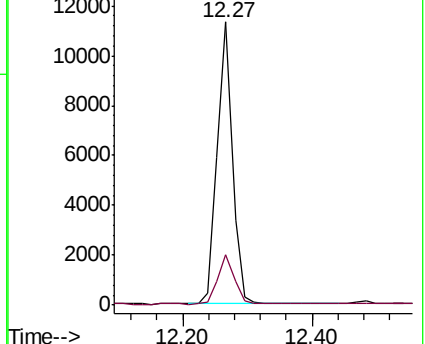
152 100

151 19.1 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: 1.610 ng

RT: 12.34 min Scan# 773

Delta R.T. -0.00 min

Lab File: BE098234.D

Acq: 16 Nov 2018 17:52

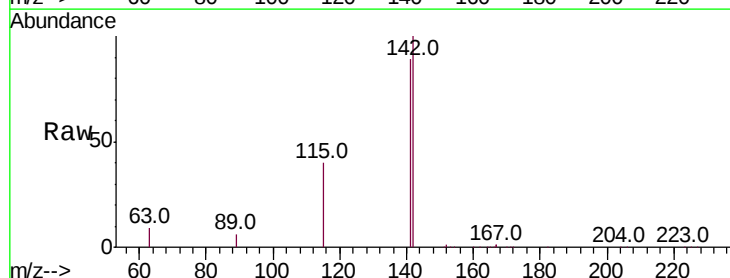
Tgt Ion:142 Resp: 19445

Ion Ratio Lower Upper

142 100

141 89.1 76.3 114.5

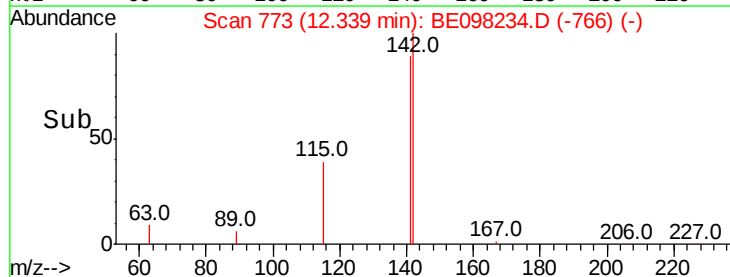
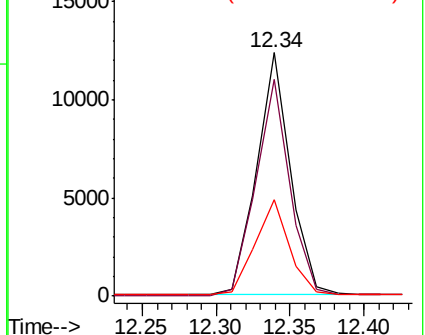
115 39.7 35.8 53.8

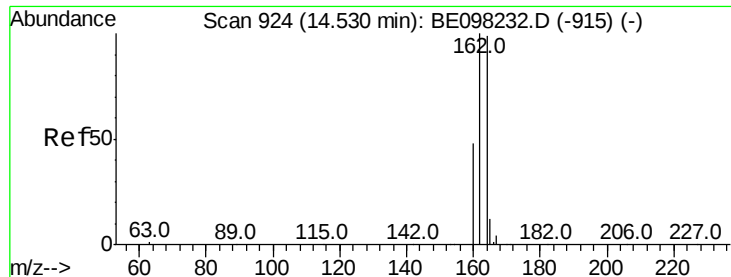


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

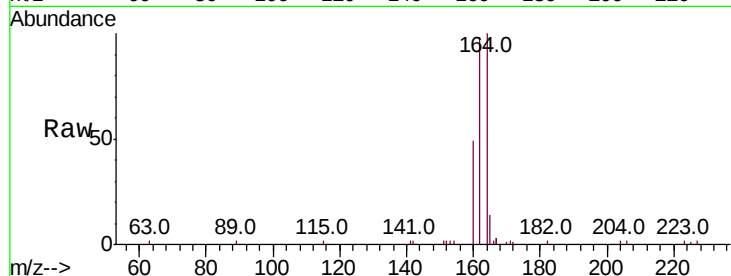




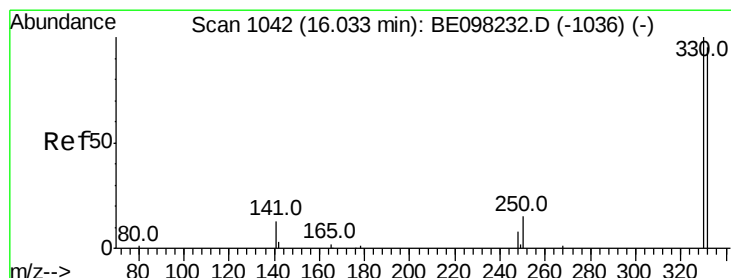
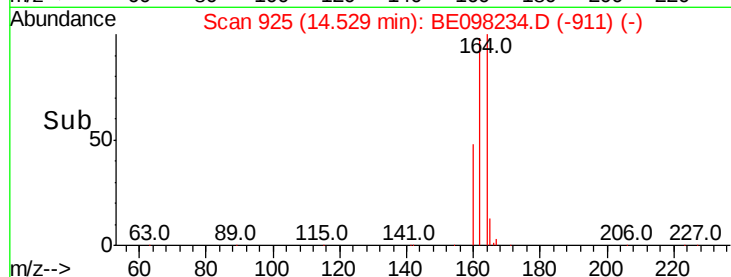
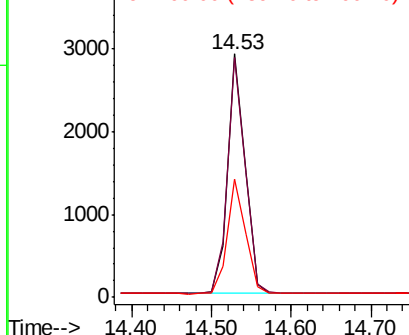
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 925
Delta R.T. -0.00 min
Lab File: BE098234.D
Acq: 16 Nov 2018 17:52

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 4395
Ion Ratio Lower Upper
164 100
162 98.5 81.8 122.6
160 48.8 39.4 59.0

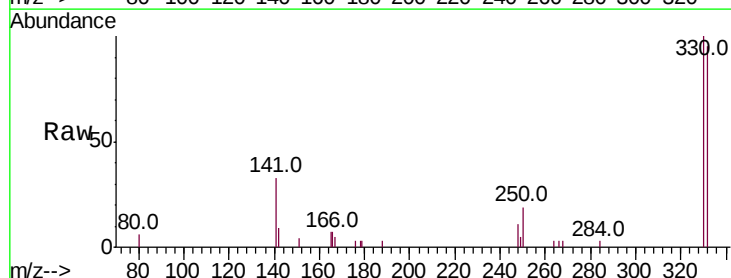


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

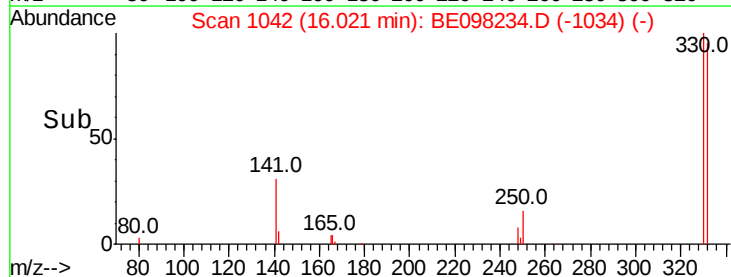
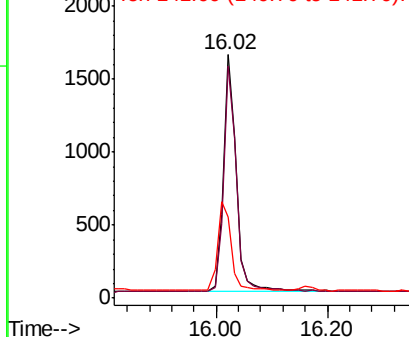


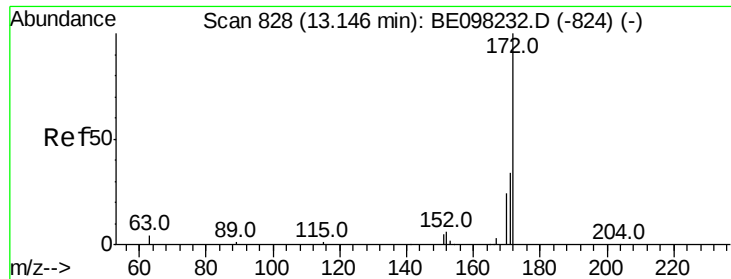
#14
2,4,6-Tribromophenol
Concen: 1.372 ng
RT: 16.02 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BE098234.D
Acq: 16 Nov 2018 17:52

Tgt Ion:330 Resp: 2630
Ion Ratio Lower Upper
330 100
332 95.5 77.7 116.5
141 38.8 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

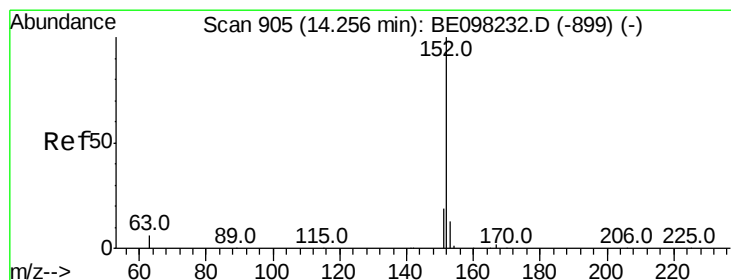
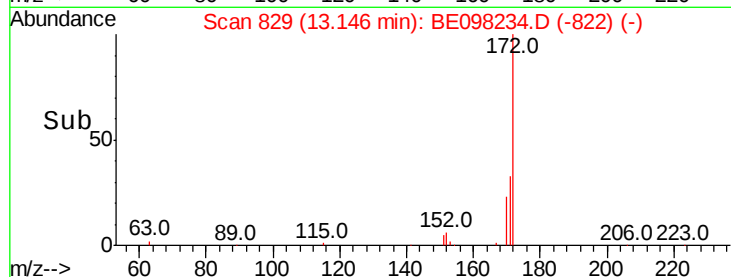
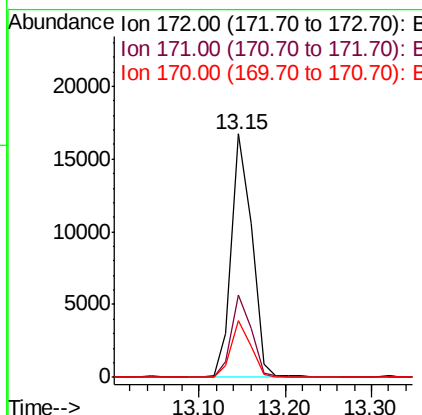
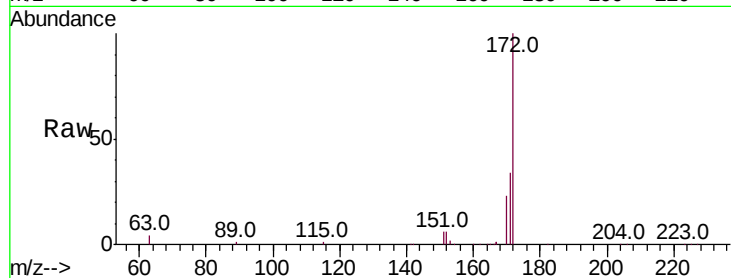




#15
2-Fluorobiphenyl
Concen: 1.474 ng
RT: 13.15 min Scan# 829
Delta R.T. -0.00 min
Lab File: BE098234.D
Acq: 16 Nov 2018 17:52

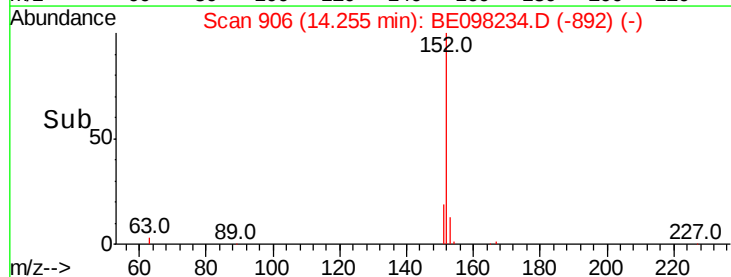
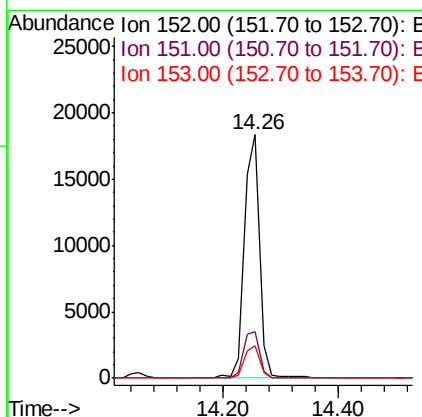
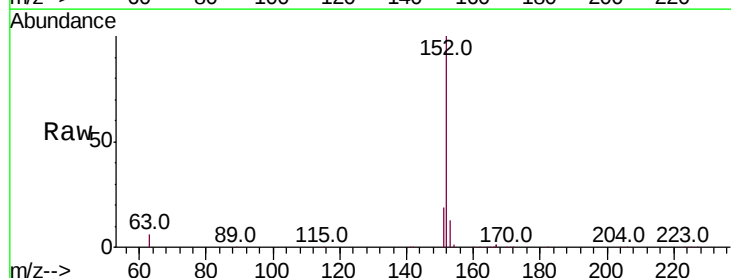
Instrument :
BNA_E
ClientSampleId :

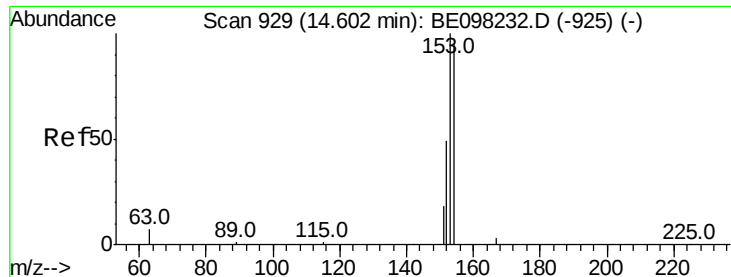
Tot Ion:172 Resp: 27121
Ion Ratio Lower Upper
172 100
171 33.6 27.3 40.9
170 23.2 19.4 29.0



#16
Acenaphthylene
Concen: 1.640 ng
RT: 14.26 min Scan# 906
Delta R.T. -0.00 min
Lab File: BE098234.D
Acq: 16 Nov 2018 17:52

Tgt Ion:152 Resp: 33033
Ion Ratio Lower Upper
152 100
151 20.0 16.4 24.6
153 12.9 10.6 15.8

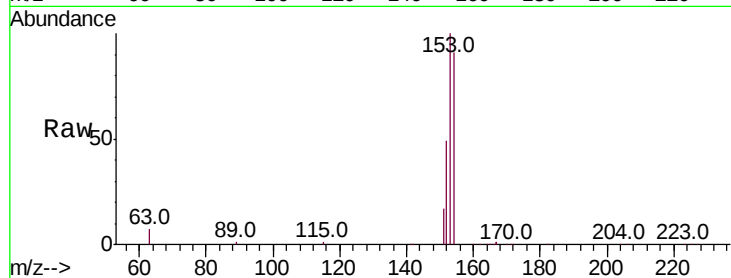




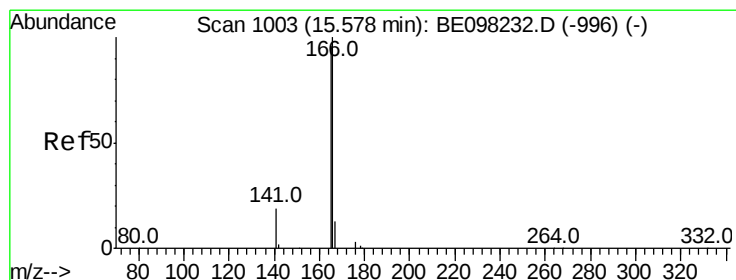
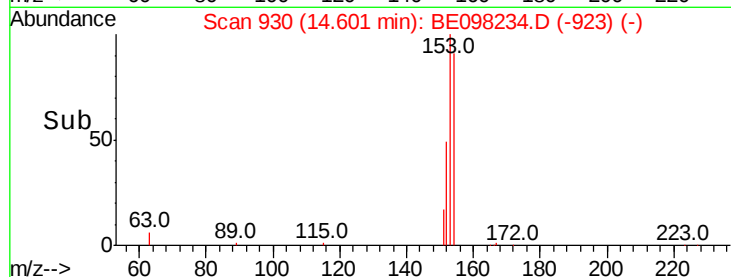
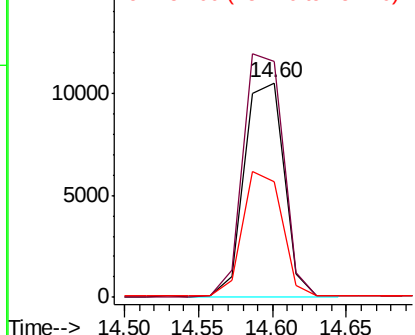
#17
Acenaphthene
Concen: 1.589 ng
RT: 14.60 min Scan# 930
Delta R.T. -0.00 min
Lab File: BE098234.D
Acq: 16 Nov 2018 17:52

Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 19557
Ion Ratio Lower Upper
154 100
153 114.6 92.1 138.1
152 57.8 46.2 69.2

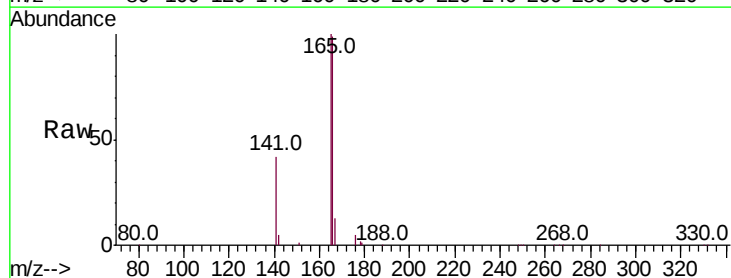


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

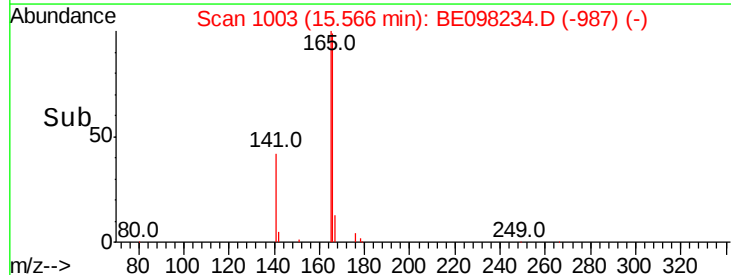
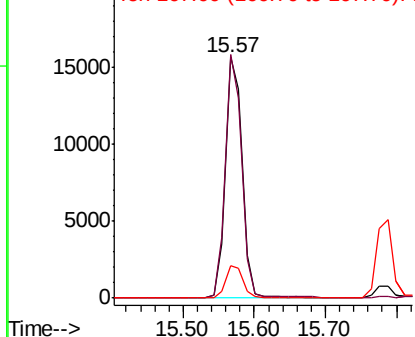


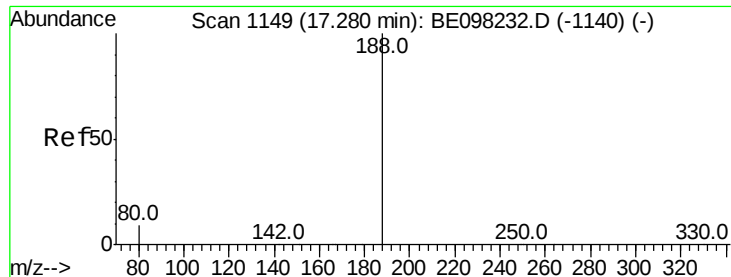
#18
Fluorene
Concen: 1.598 ng
RT: 15.57 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BE098234.D
Acq: 16 Nov 2018 17:52

Tgt Ion:166 Resp: 25172
Ion Ratio Lower Upper
166 100
165 99.6 80.1 120.1
167 13.4 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# 1150

Delta R.T. -0.00 min

Lab File: BE098234.D

Acq: 16 Nov 2018 17:52

Instrument :

BNA_E

ClientSampleId :

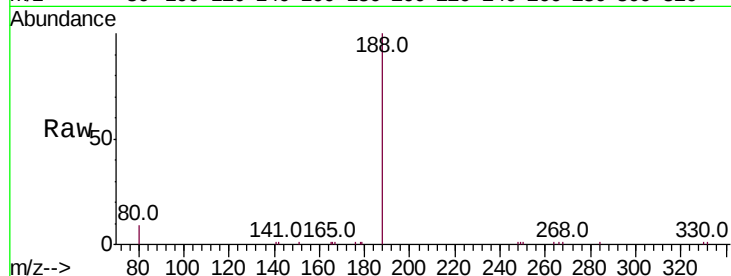
Tot Ion:188 Resp: 9936

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

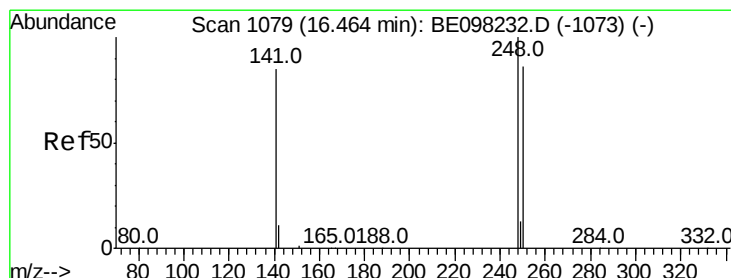
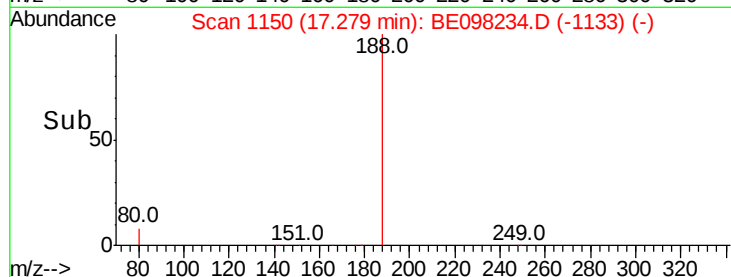
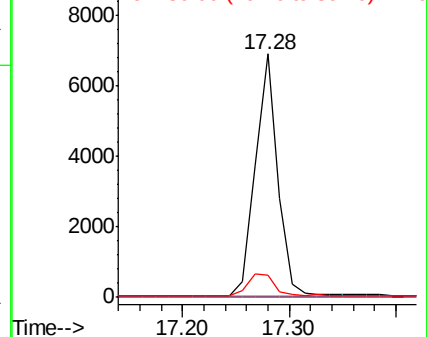
80 9.1 6.7 10.1



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: 1.616 ng

RT: 16.46 min Scan# 1080

Delta R.T. -0.00 min

Lab File: BE098234.D

Acq: 16 Nov 2018 17:52

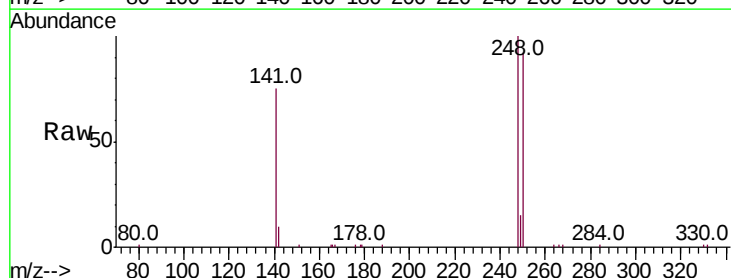
Tgt Ion:248 Resp: 9783

Ion Ratio Lower Upper

248 100

250 92.5 77.6 116.4

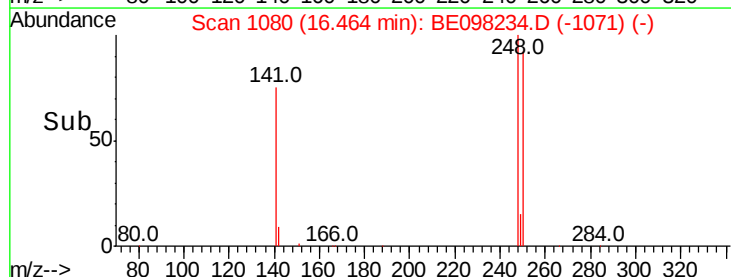
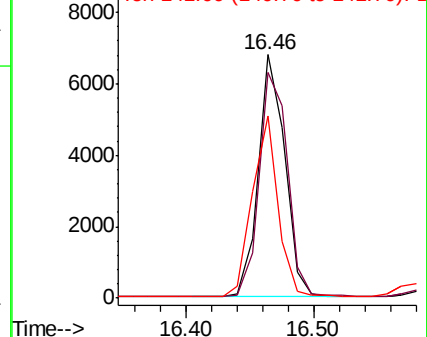
141 75.0 65.8 98.8

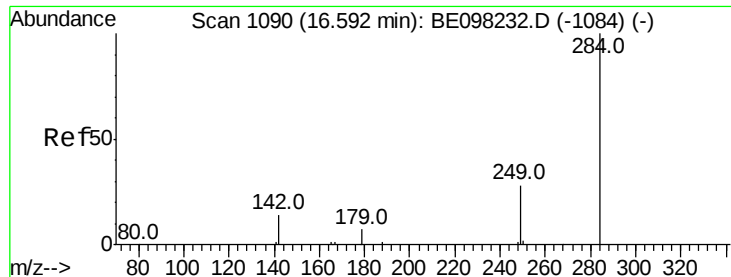


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 1.568 ng

RT: 16.58 min Scan# 1090

Delta R.T. -0.01 min

Lab File: BE098234.D

Acq: 16 Nov 2018 17:52

Instrument :

BNA_E

ClientSampleId :

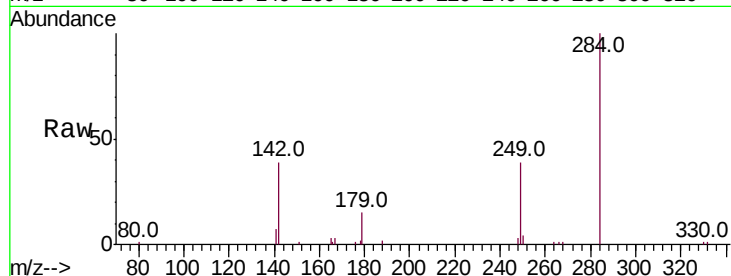
Tot Ion:284 Resp: 9871

Ion Ratio Lower Upper

284 100

142 33.6 26.5 39.7

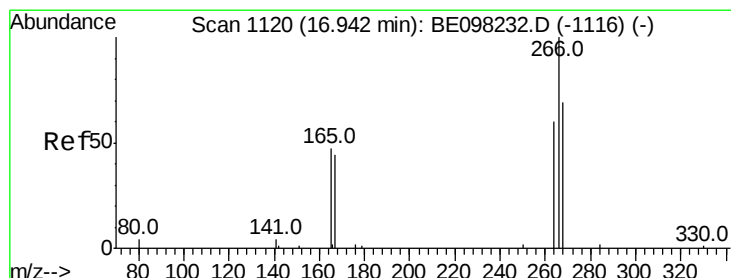
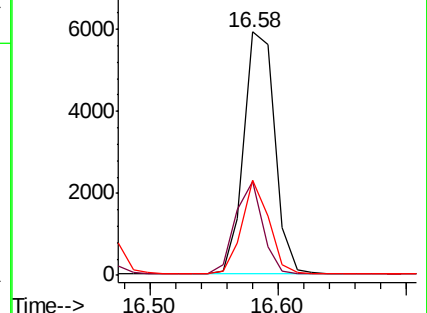
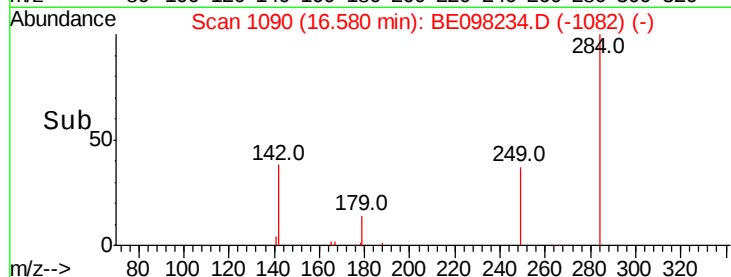
249 33.3 28.4 42.6



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: 1.746 ng

RT: 16.94 min Scan# 1121

Delta R.T. -0.00 min

Lab File: BE098234.D

Acq: 16 Nov 2018 17:52

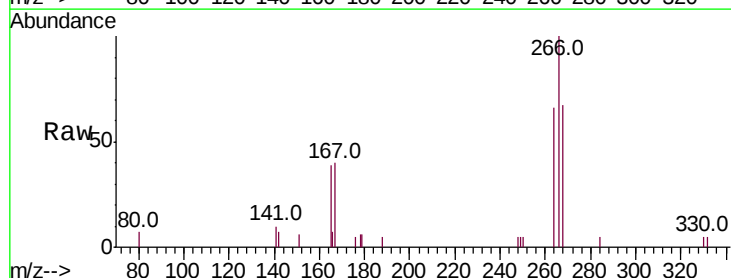
Tgt Ion:266 Resp: 1911

Ion Ratio Lower Upper

266 100

264 66.1 57.6 86.4

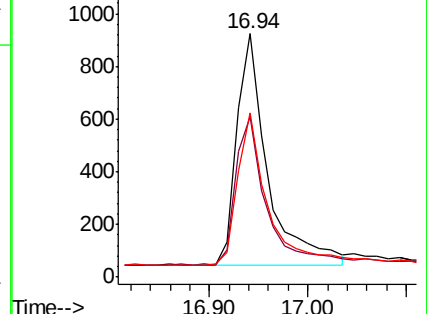
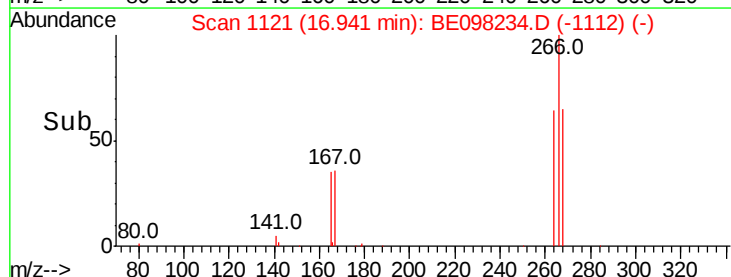
268 67.2 56.8 85.2

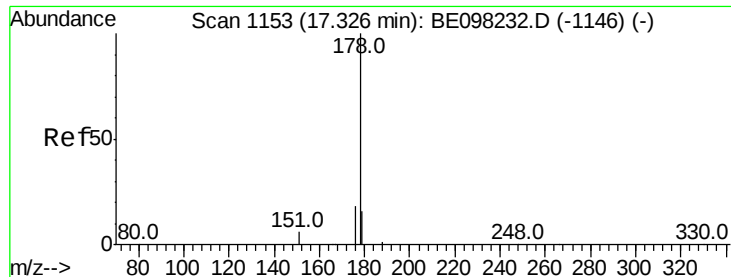


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 1.626 ng

RT: 17.31 min Scan# 1153

Delta R.T. -0.01 min

Lab File: BE098234.D

Acq: 16 Nov 2018 17:52

Instrument :

BNA_E

ClientSampleId :

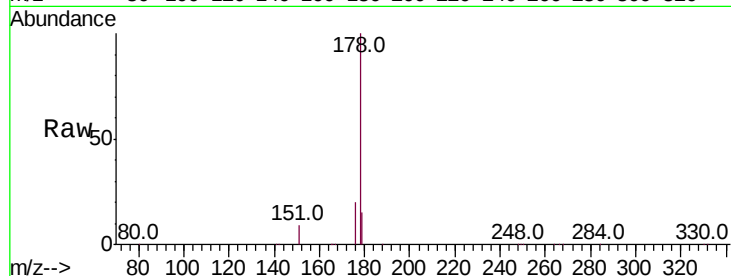
Tot Ion:178 Resp: 40238

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

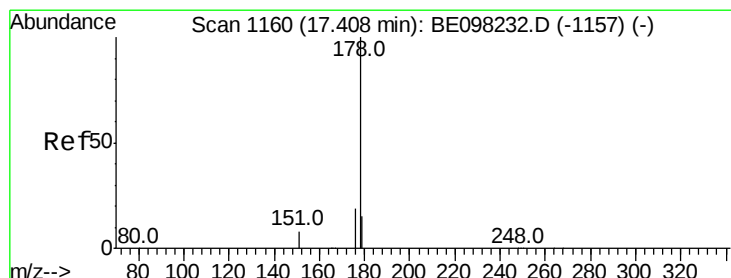
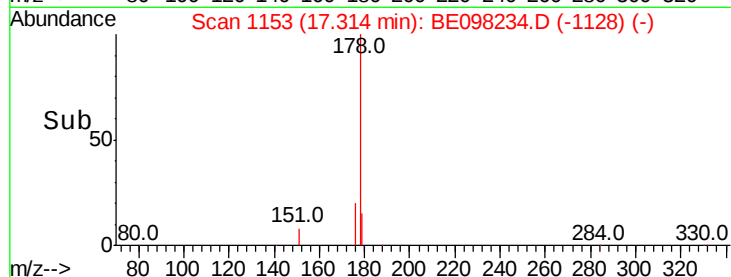
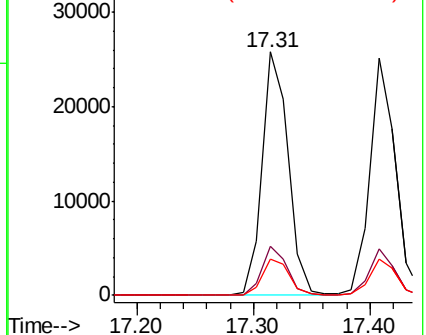
179 15.4 12.3 18.5



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: 1.645 ng

RT: 17.41 min Scan# 1161

Delta R.T. -0.00 min

Lab File: BE098234.D

Acq: 16 Nov 2018 17:52

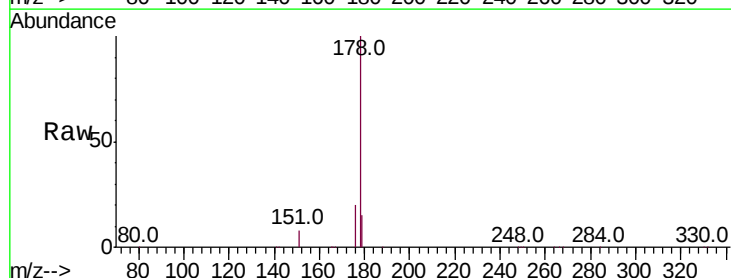
Tgt Ion:178 Resp: 37927

Ion Ratio Lower Upper

178 100

176 19.0 15.7 23.5

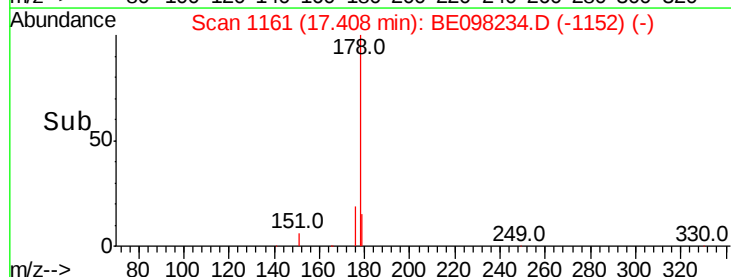
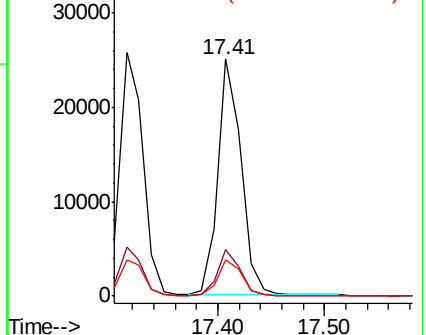
179 15.3 12.1 18.1

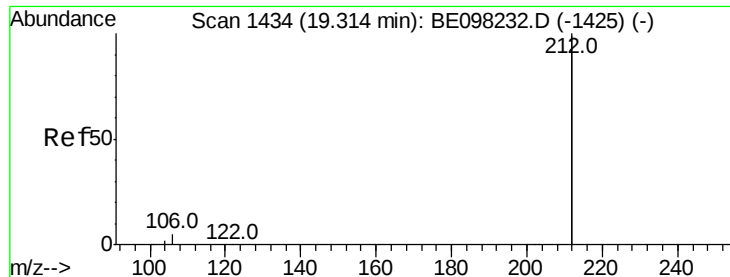


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 1.562 ng

RT: 19.31 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BE098234.D

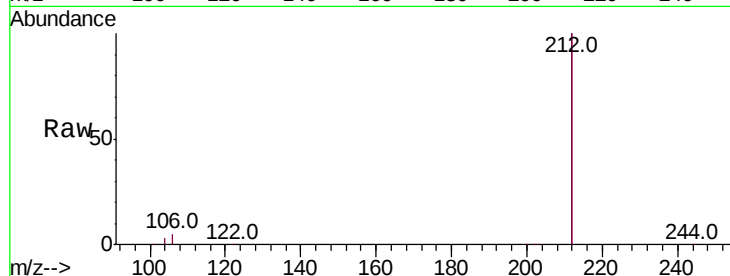
Acq: 16 Nov 2018 17:52

Instrument :

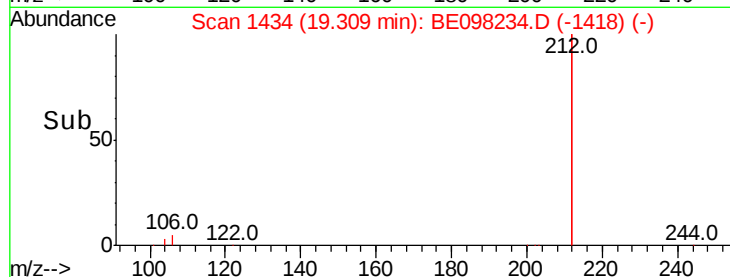
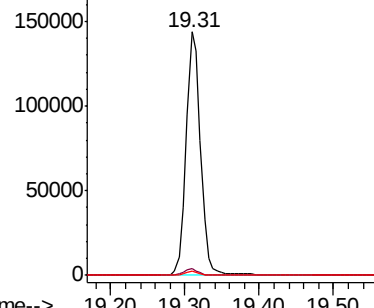
BNA_E

ClientSampleId :

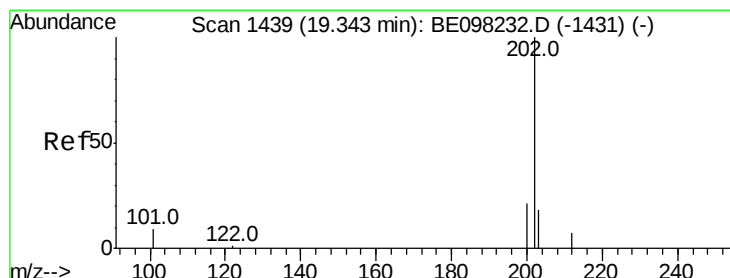
Tot Ion:212	Resp:	193870
Ion Ratio	Lower	Upper
212	100	
106	2.7	1.8 2.8
104	1.5	1.1 1.7



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



Time-->



#26

Fluoranthene

Concen: 1.601 ng

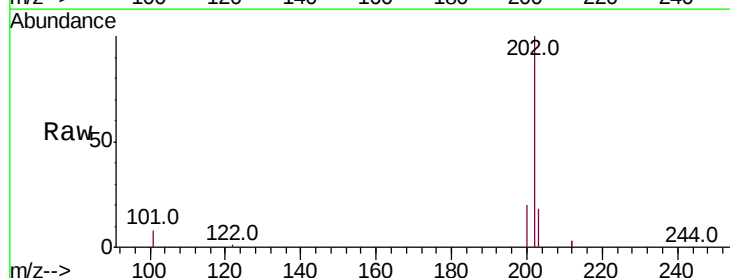
RT: 19.34 min Scan# 1440

Delta R.T. 0.00 min

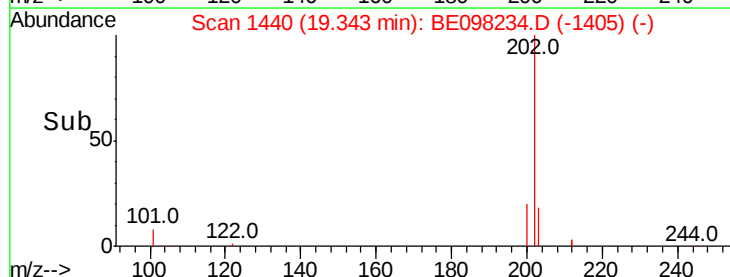
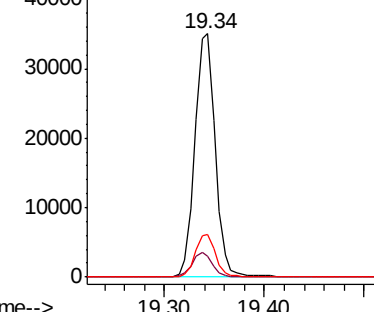
Lab File: BE098234.D

Acq: 16 Nov 2018 17:52

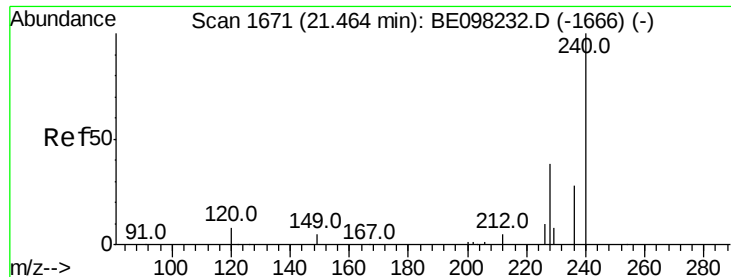
Tgt Ion:202	Resp:	49075
Ion Ratio	Lower	Upper
202	100	
101	10.0	7.0 10.6
203	17.4	13.7 20.5



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



Time-->



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.46 min Scan# 1672

Delta R.T. -0.00 min

Lab File: BE098234.D

Acq: 16 Nov 2018 17:52

Instrument :

BNA_E

ClientSampleId :

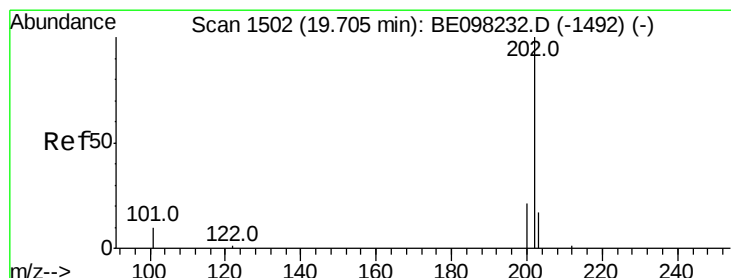
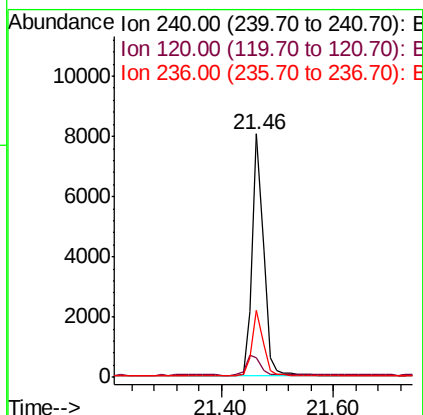
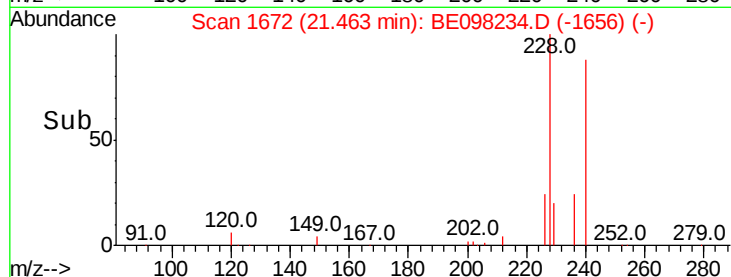
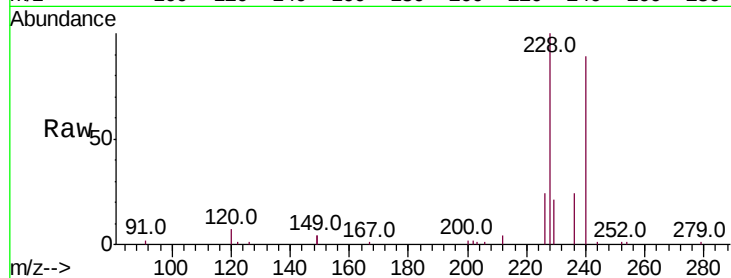
Tot Ion:240 Resp: 11337

Ion Ratio Lower Upper

240 100

120 8.0 4.8 7.2#

236 27.3 21.4 32.0



#28

Pyrene

Concen: 1.610 ng

RT: 19.70 min Scan# 1502

Delta R.T. -0.01 min

Lab File: BE098234.D

Acq: 16 Nov 2018 17:52

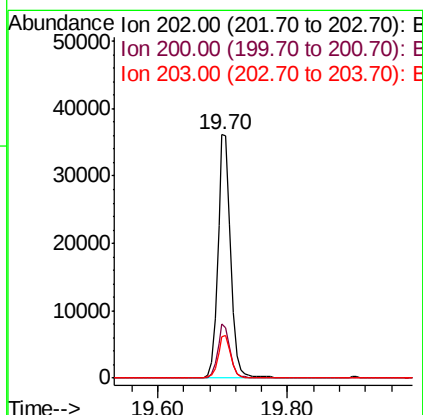
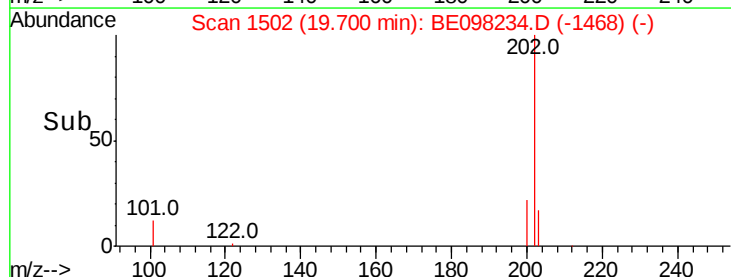
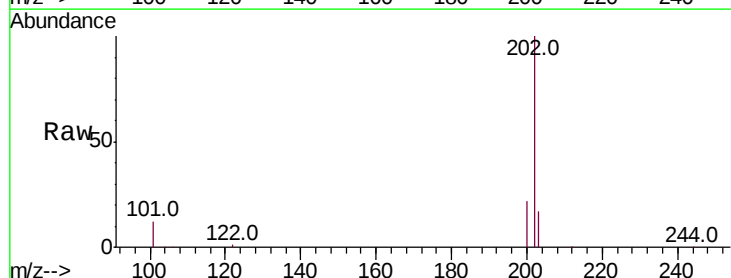
Tgt Ion:202 Resp: 50215

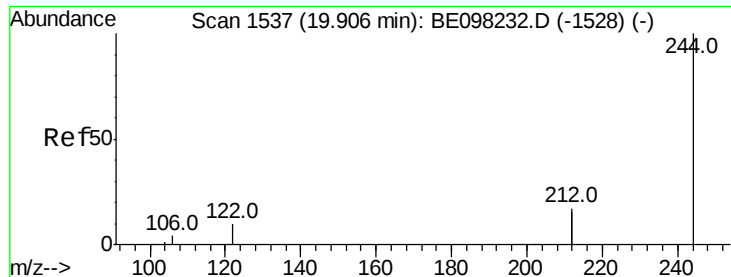
Ion Ratio Lower Upper

202 100

200 21.5 17.2 25.8

203 17.5 14.2 21.4





#29

Terphenyl-d14

Concen: 1.513 ng

RT: 19.91 min Scan# 1538

Delta R.T. 0.00 min

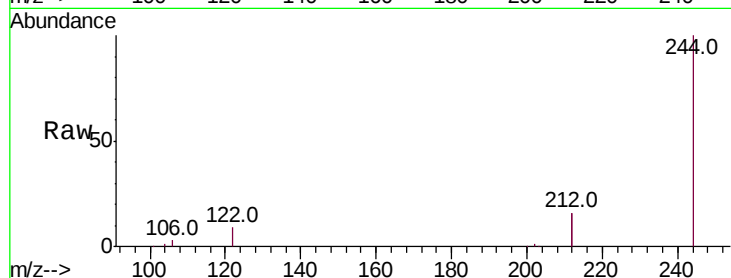
Lab File: BE098234.D

Acq: 16 Nov 2018 17:52

Instrument :

BNA_E

ClientSampled :



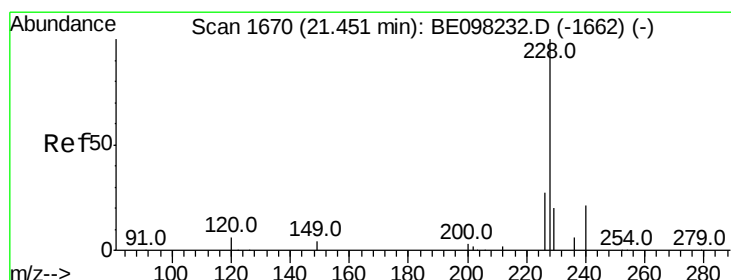
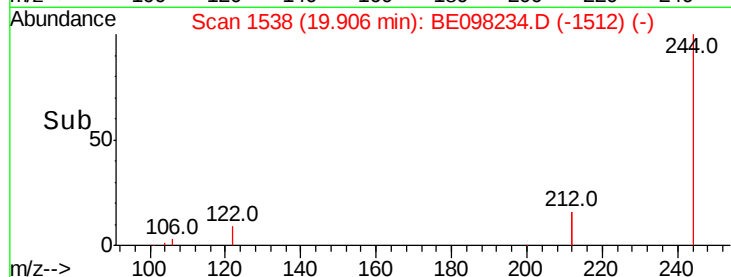
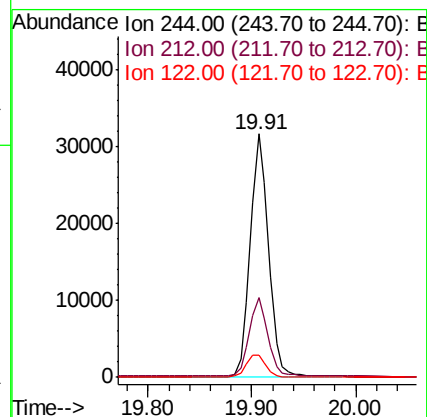
Tot Ion:244 Resp: 38925

Ion Ratio Lower Upper

244 100

212 32.7 26.8 40.2

122 9.3 7.0 10.6



#30

Benzo(a)anthracene

Concen: 1.578 ng

RT: 21.45 min Scan# 1671

Delta R.T. -0.00 min

Lab File: BE098234.D

Acq: 16 Nov 2018 17:52

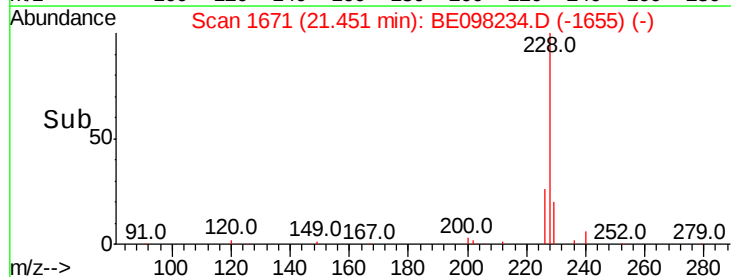
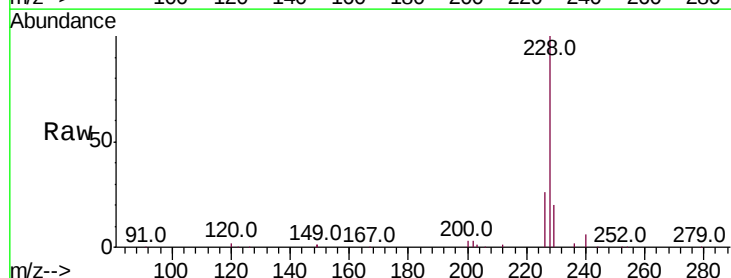
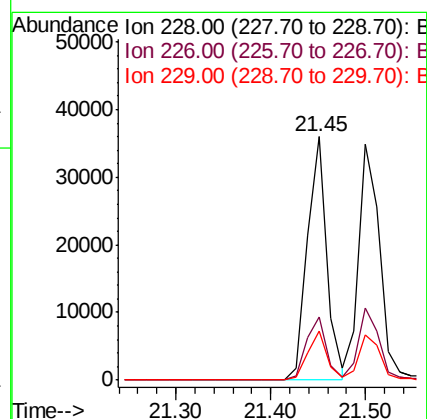
Tgt Ion:228 Resp: 50827

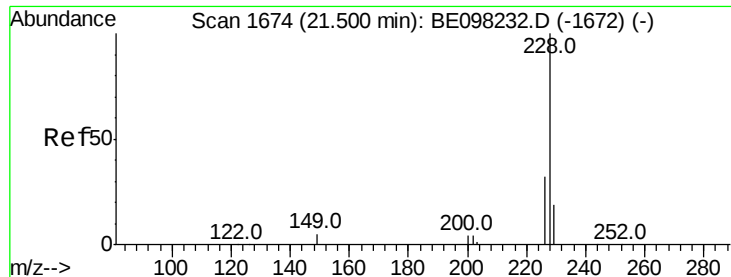
Ion Ratio Lower Upper

228 100

226 25.9 20.7 31.1

229 20.0 16.2 24.4





#31

Chrysene

Concen: 1.608 ng

RT: 21.50 min Scan# 1675

Delta R.T. -0.00 min

Lab File: BE098234.D

Acq: 16 Nov 2018 17:52

Instrument :

BNA_E

ClientSampled :

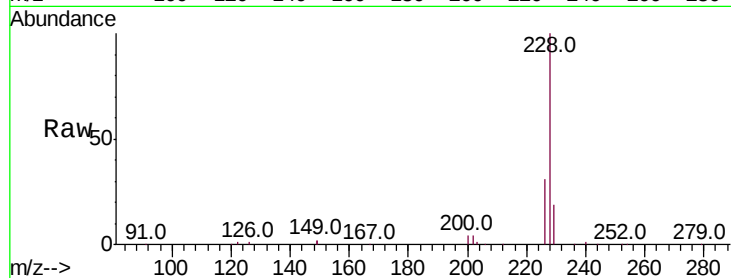
Tot Ion:228 Resp: 52593

Ion Ratio Lower Upper

228 100

226 30.6 24.6 36.8

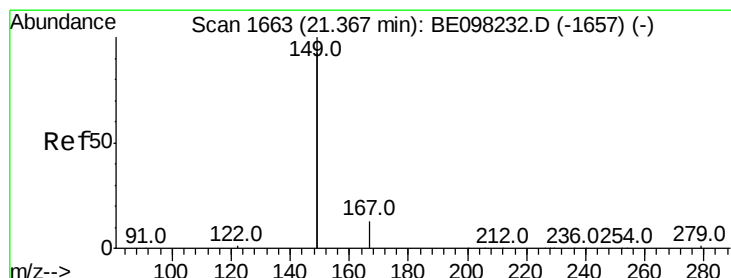
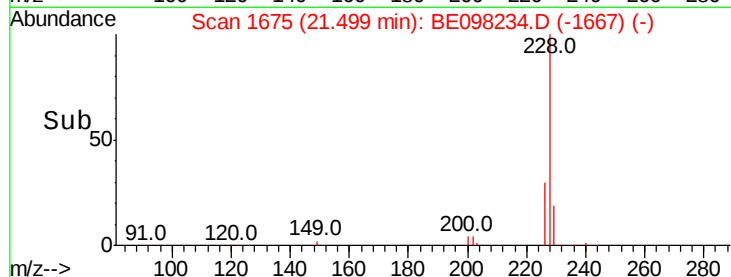
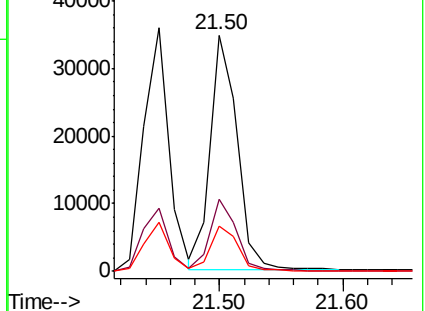
229 19.2 16.0 24.0



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: 1.218 ng

RT: 21.37 min Scan# 1664

Delta R.T. -0.00 min

Lab File: BE098234.D

Acq: 16 Nov 2018 17:52

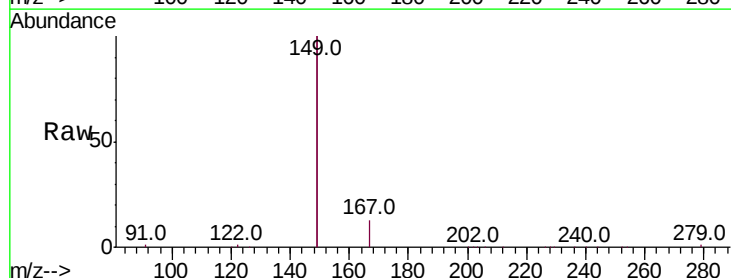
Tgt Ion:149 Resp: 81457

Ion Ratio Lower Upper

149 100

167 7.0 5.6 8.4

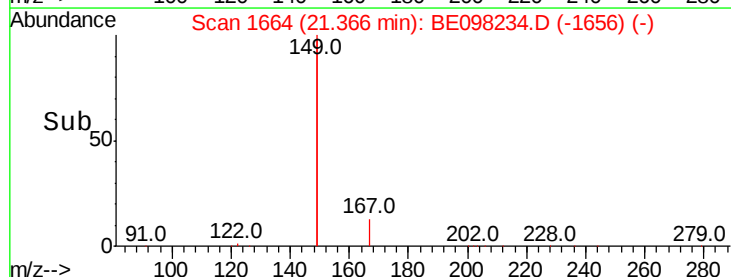
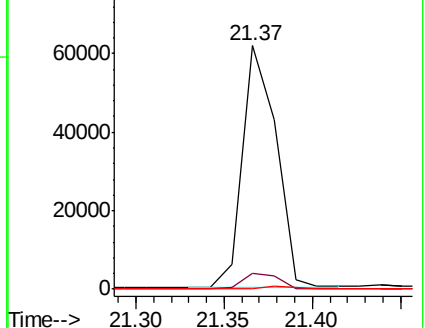
279 1.0 0.9 1.3

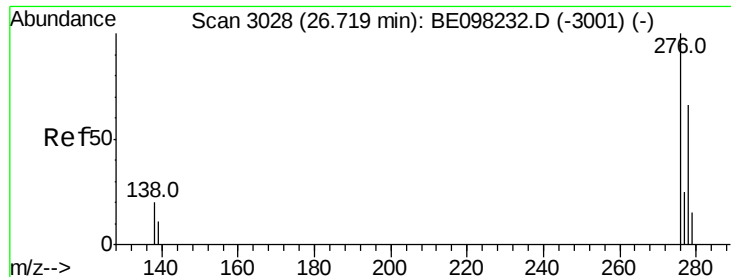


Abundance Ion 149.00 (148.70 to 149.70): E

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: 1.608 ng

RT: 26.70 min Scan# 3025

Delta R.T. -0.01 min

Lab File: BE098234.D

Acq: 16 Nov 2018 17:52

Instrument :

BNA_E

ClientSampleId :

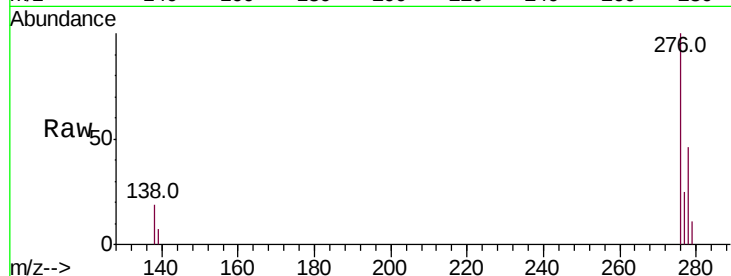
Tot Ion:276 Resp: 48230

Ion Ratio Lower Upper

276 100

138 19.8 6.4 9.6#

277 24.5 18.9 28.3

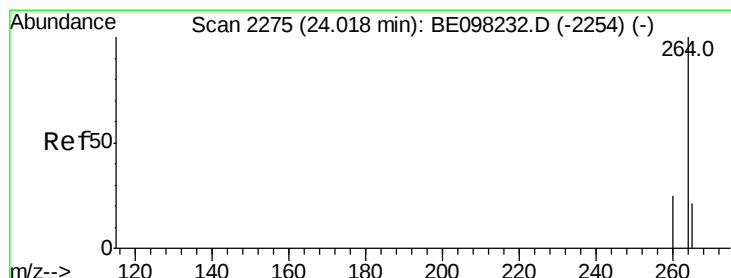
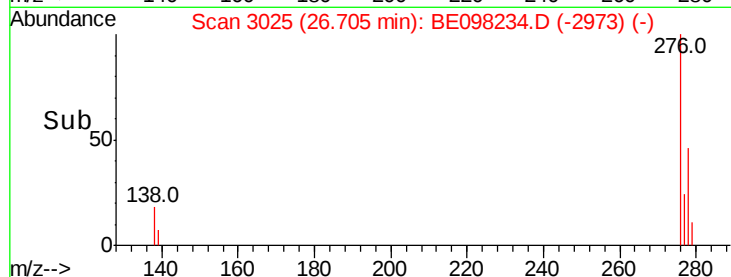
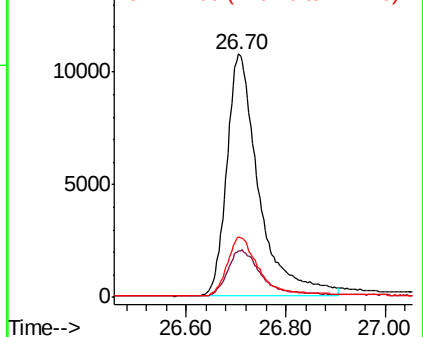


Abundance

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: 24.02 min Scan# 2275

Delta R.T. -0.00 min

Lab File: BE098234.D

Acq: 16 Nov 2018 17:52

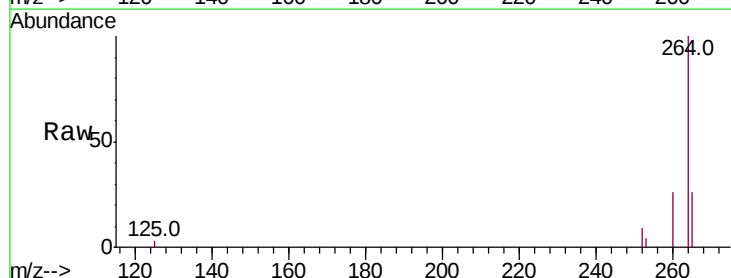
Tgt Ion:264 Resp: 10281

Ion Ratio Lower Upper

264 100

260 25.6 19.9 29.9

265 26.4 21.3 31.9

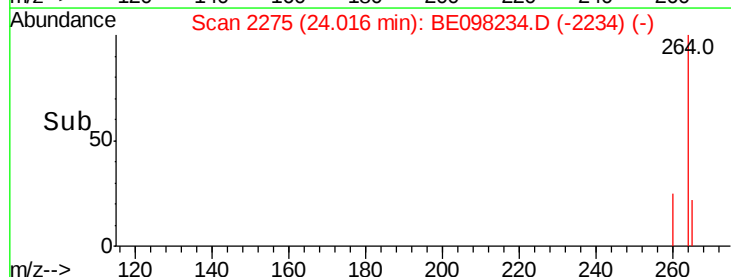
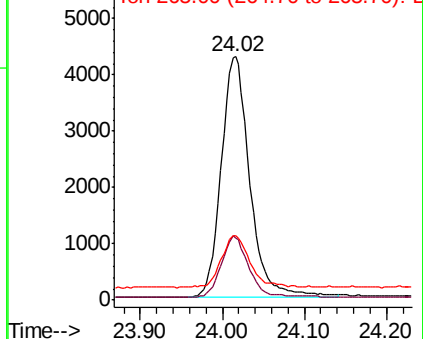


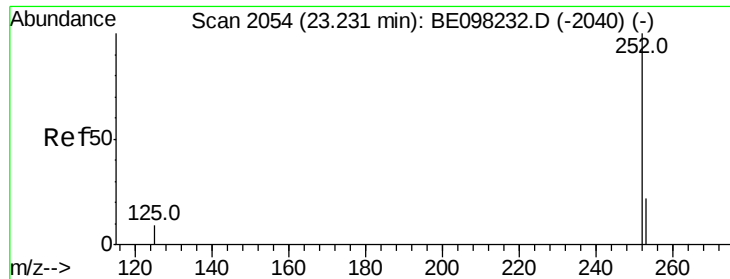
Abundance

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: 1.613 ng

RT: 23.23 min Scan# 2054

Delta R.T. -0.00 min

Lab File: BE098234.D

Acq: 16 Nov 2018 17:52

Instrument :

BNA_E

ClientSampleId :

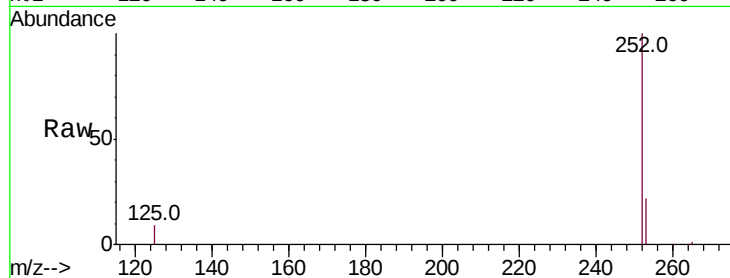
Tot Ion:252 Resp: 47055

Ion Ratio Lower Upper

252 100

253 22.1 19.4 29.0

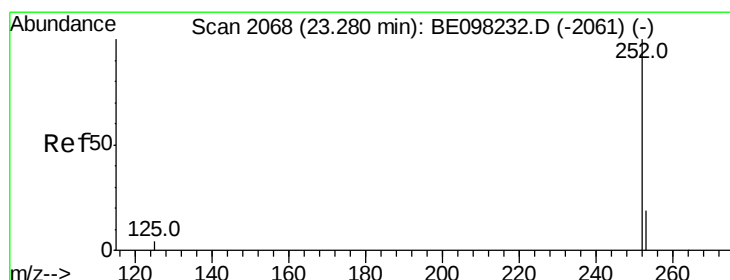
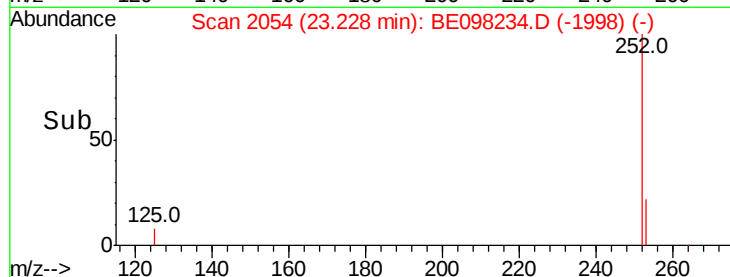
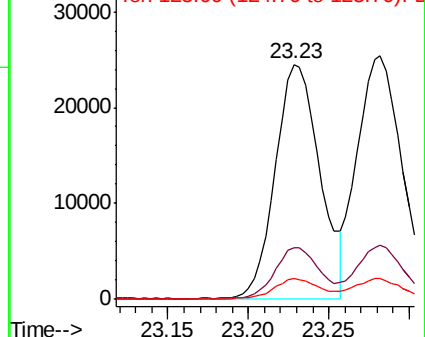
125 8.8 8.6 12.8



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: 1.670 ng

RT: 23.28 min Scan# 2069

Delta R.T. 0.00 min

Lab File: BE098234.D

Acq: 16 Nov 2018 17:52

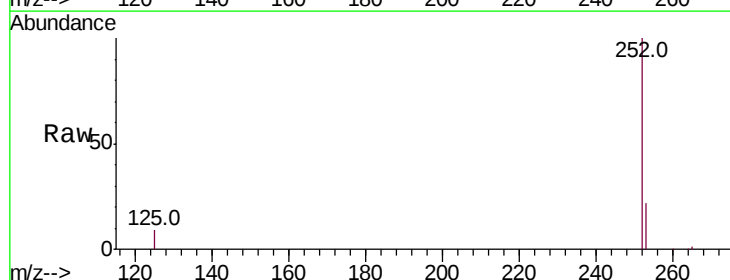
Tgt Ion:252 Resp: 51391

Ion Ratio Lower Upper

252 100

253 22.2 18.6 28.0

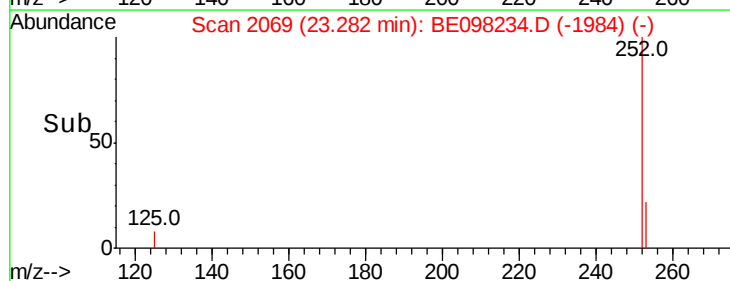
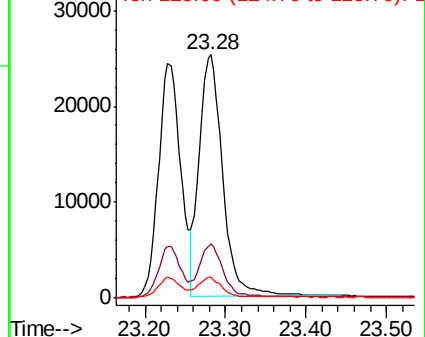
125 8.7 7.4 11.0

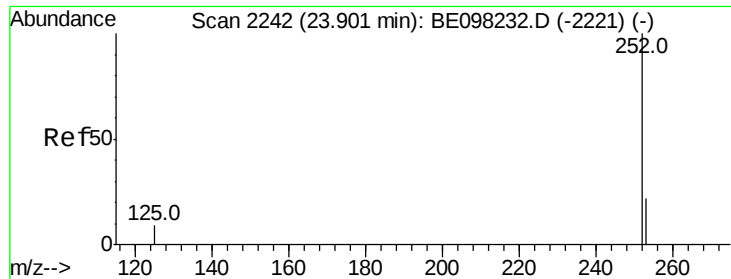


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 1.628 ng

RT: 23.90 min Scan# 2242

Delta R.T. -0.00 min

Lab File: BE098234.D

Acq: 16 Nov 2018 17:52

Instrument :

BNA_E

ClientSampleId :

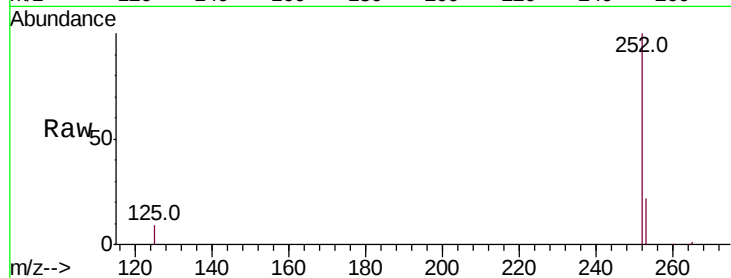
Tot Ion:252 Resp: 45539

Ion Ratio Lower Upper

252 100

253 22.0 18.6 27.8

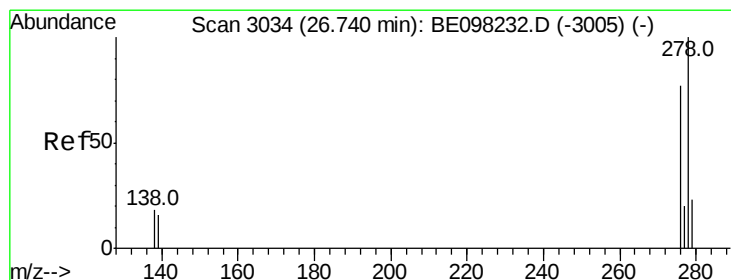
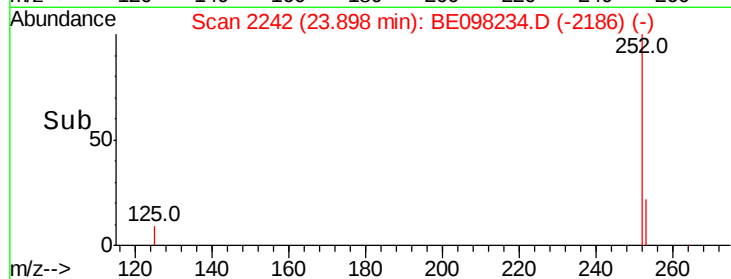
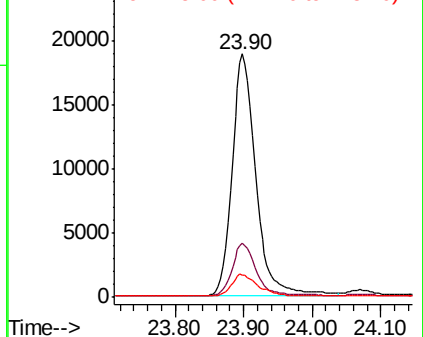
125 9.3 8.0 12.0



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: 1.652 ng

RT: 26.73 min Scan# 3033

Delta R.T. -0.01 min

Lab File: BE098234.D

Acq: 16 Nov 2018 17:52

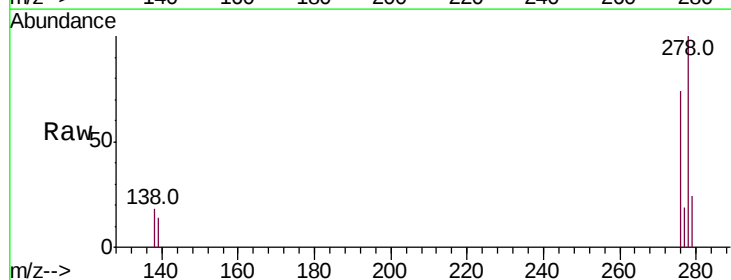
Tgt Ion:278 Resp: 39371

Ion Ratio Lower Upper

278 100

139 14.2 16.4 24.6#

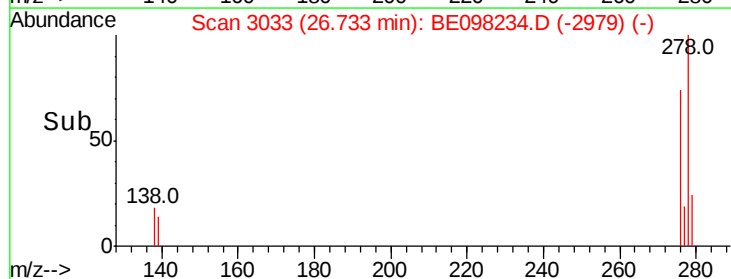
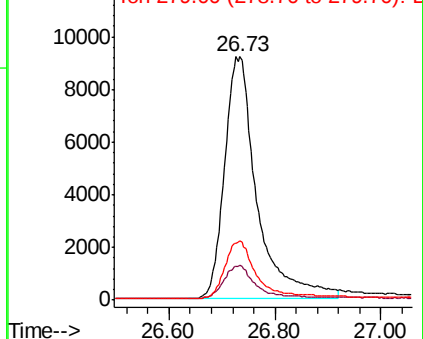
279 24.1 21.3 31.9

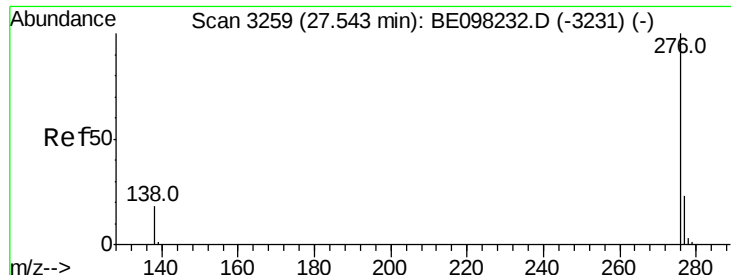


Abundance Ion 278.00 (277.70 to 278.70): E

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: 1.630 ng

RT: 27.53 min Scan# 3257

Delta R.T. -0.01 min

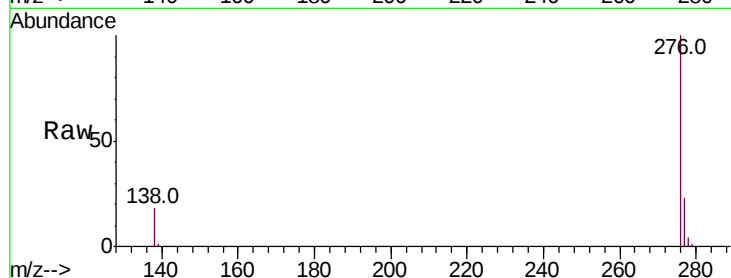
Lab File: BE098234.D

Acq: 16 Nov 2018 17:52

Instrument :

BNA_E

ClientSampleId :



Tot Ion:276 Resp: 40556

Ion Ratio Lower Upper

276 100

277 23.1 20.4 30.6

138 18.0 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

