

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121118\
 Data File : BE098350.D
 Acq On : 12 Dec 2018 1:43
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Dec 12 17:37:09 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 10 14:59:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	1373	0.40	ng	0.00
7) Naphthalene-d8	10.65	136	5794	0.40	ng	-0.01
13) Acenaphthene-d10	14.53	164	3536	0.40	ng	0.00
19) Phenanthrene-d10	17.27	188	9621	0.40	ng	-0.01
27) Chrysene-d12	21.46	240	12029	0.40	ng	0.00
34) Perylene-d12	24.01	264	11373	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.44	112	1274	0.40	ng	0.00
5) Phenol-d6	7.05	99	1824	0.40	ng	0.00
8) Nitrobenzene-d5	9.03	82	2020	0.38	ng	0.01
11) 2-Methylnaphthalene-d10	12.27	152	3477	0.37	ng	0.00
14) 2,4,6-Tribromophenol	16.02	330	505	0.39	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	5443	0.36	ng	0.00
25) Fluoranthene-d10	19.31	212	48000	0.39	ng	0.00
29) Terphenyl-d14	19.91	244	9309	0.32	ng	0.00

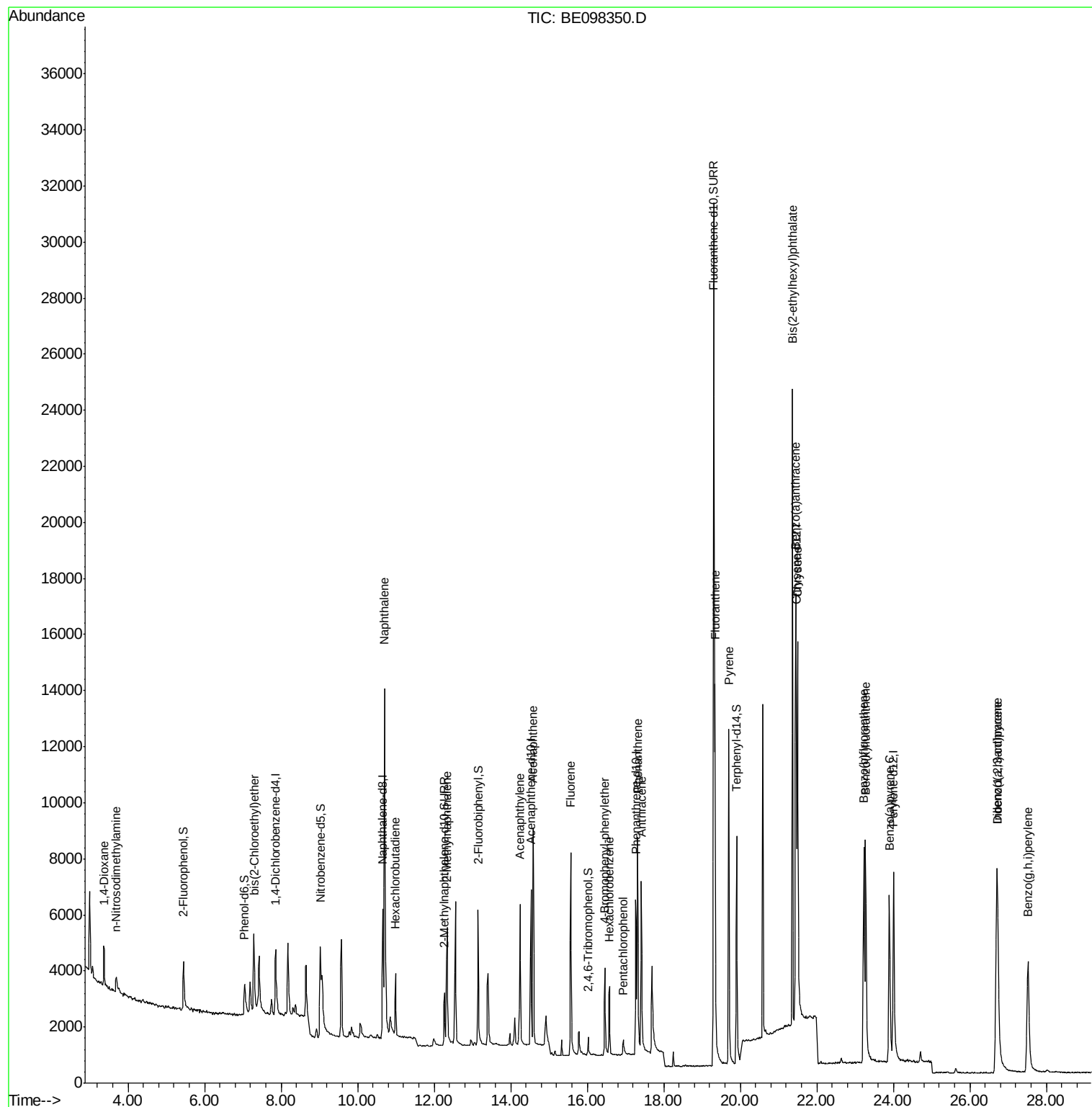
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.37	88	987	0.416	ng	93
3) n-Nitrosodimethylamine	3.69	42	781	0.365	ng	# 100
6) bis(2-Chloroethyl)ether	7.29	93	1675	0.387	ng	81
9) Naphthalene	10.71	128	22834	0.392	ng	100
10) Hexachlorobutadiene	10.99	225	1452	0.391	ng	97
12) 2-Methylnaphthalene	12.34	142	3628	0.383	ng	98
16) Acenaphthylene	14.24	152	6276	0.379	ng	98
17) Acenaphthene	14.59	154	3792	0.381	ng	98
18) Fluorene	15.57	166	5103	0.383	ng	100
20) 4-Bromophenyl-phenylether	16.46	248	1924	0.372	ng	# 88
21) Hexachlorobenzene	16.58	284	2104	0.378	ng	97
22) Pentachlorophenol	16.94	266	429	0.467	ng	94
23) Phenanthrene	17.32	178	8939	0.382	ng	99
24) Anthracene	17.41	178	7581	0.364	ng	99
26) Fluoranthene	19.34	202	12018	0.389	ng	99
28) Pyrene	19.70	202	12332	0.327	ng	98
30) Benzo(a)anthracene	21.45	228	12431	0.363	ng	98
31) Chrysene	21.50	228	13617	0.380	ng	98
32) Bis(2-ethylhexyl)phthalate	21.37	149	25153	0.362	ng	100
33) Indeno(1,2,3-cd)pyrene	26.71	276	13639	0.382	ng	99
35) Benzo(b)fluoranthene	23.23	252	11843	0.381	ng	98
36) Benzo(k)fluoranthene	23.27	252	14376	0.397	ng	99
37) Benzo(a)pyrene	23.89	252	11976	0.373	ng	98
38) Dibenzo(a,h)anthracene	26.72	278	11187	0.370	ng	98
39) Benzo(g,h,i)perylene	27.52	276	11693	0.384	ng	99

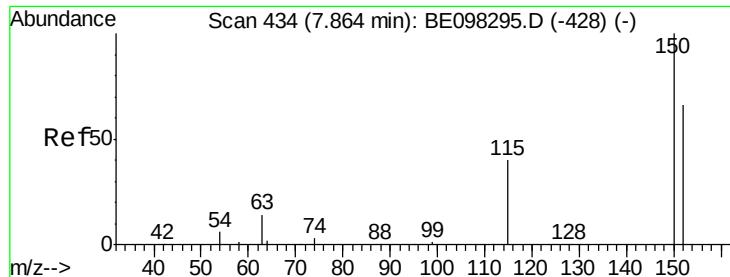
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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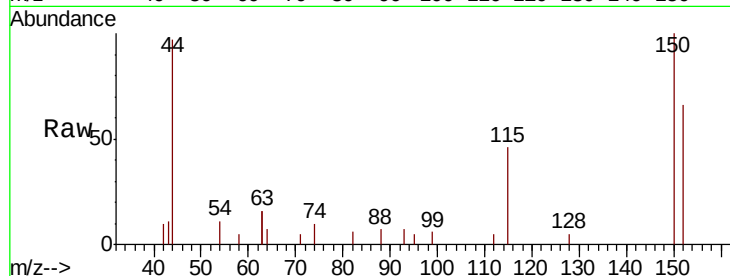


#1

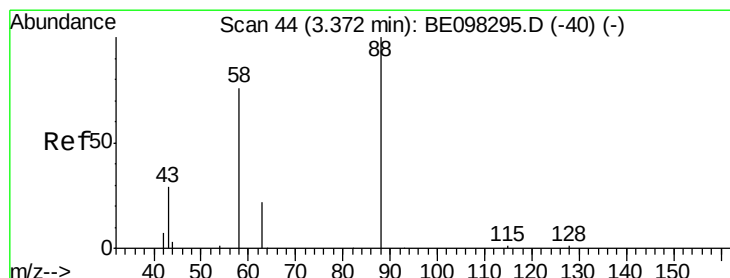
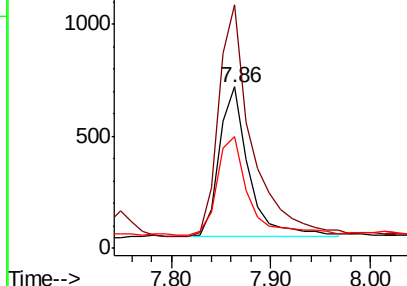
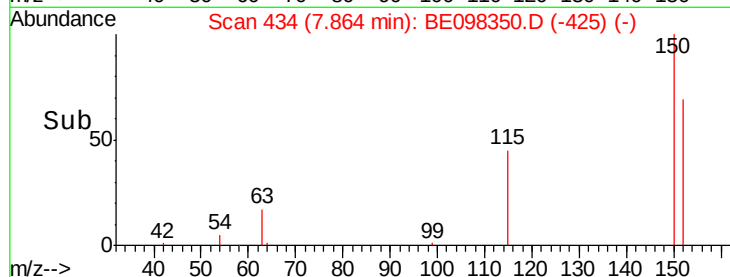
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. -0.00 min
Lab File: BE098350.D
Acq: 12 Dec 2018 1:43

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 1373
Ion Ratio Lower Upper
152 100
150 150.8 124.2 186.4
115 68.9 53.9 80.9



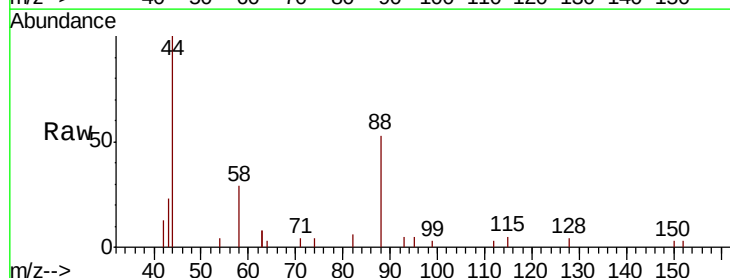
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



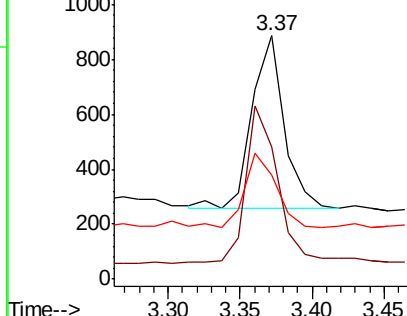
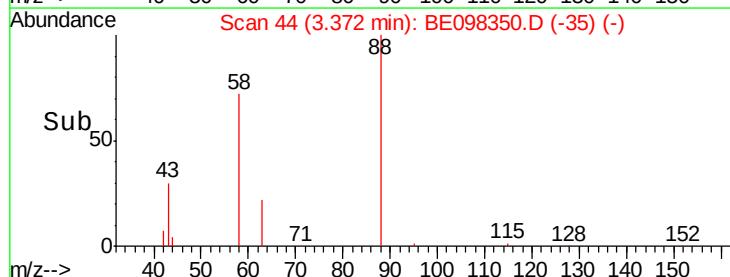
#2

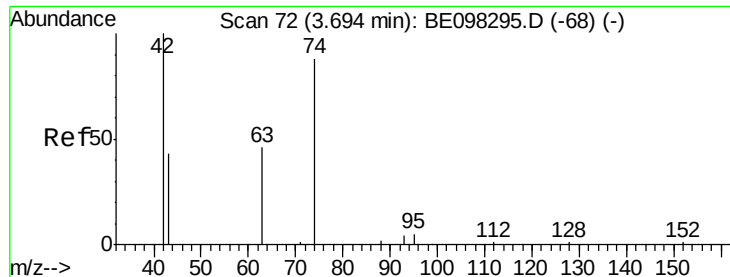
1,4-Dioxane
Concen: 0.416 ng
RT: 3.37 min Scan# 44
Delta R.T. -0.00 min
Lab File: BE098350.D
Acq: 12 Dec 2018 1:43

Tgt Ion: 88 Resp: 987
Ion Ratio Lower Upper
88 100
58 88.7 75.0 112.6
43 41.3 38.3 57.5



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



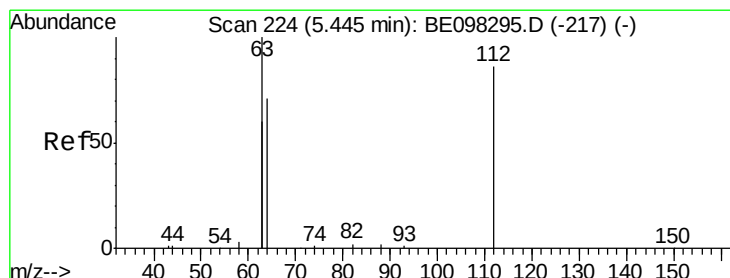
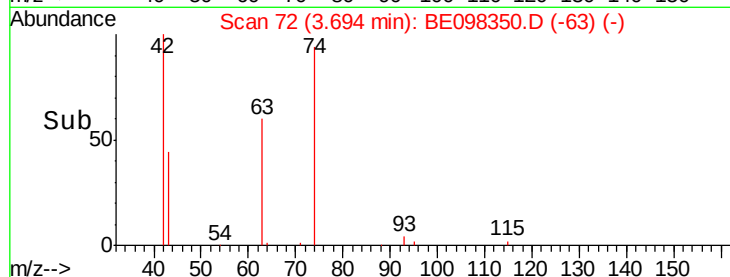
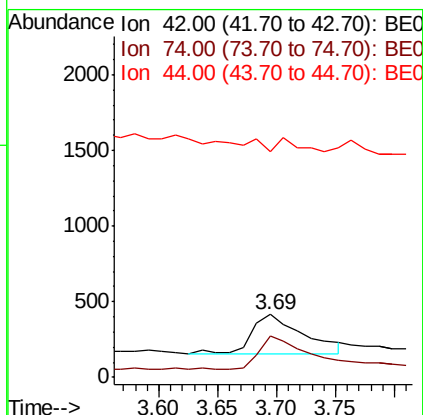
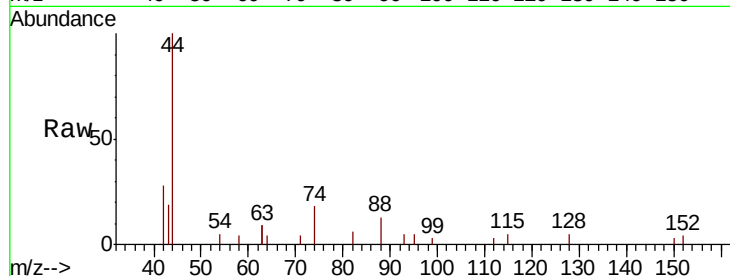


#3

n-Nitrosodimethylamine
 Concen: 0.365 ng
 RT: 3.69 min Scan# 72
 Delta R.T. -0.00 min
 Lab File: BE098350.D
 Acq: 12 Dec 2018 1:43

Instrument :
 BNA_E
 ClientSampleId :

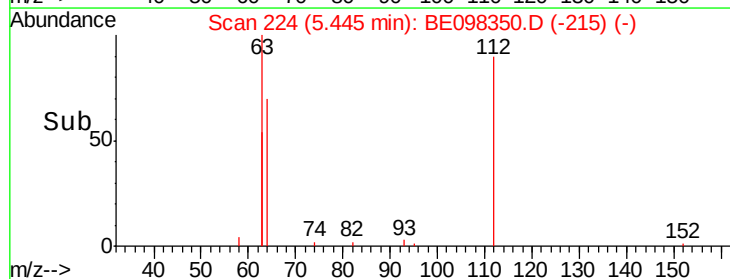
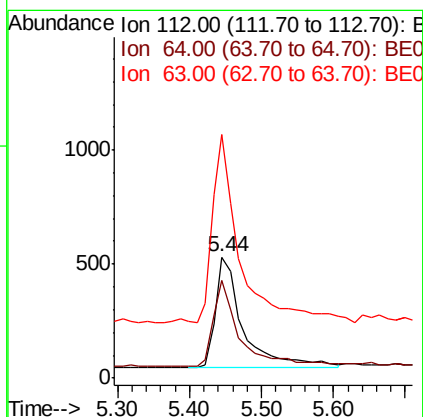
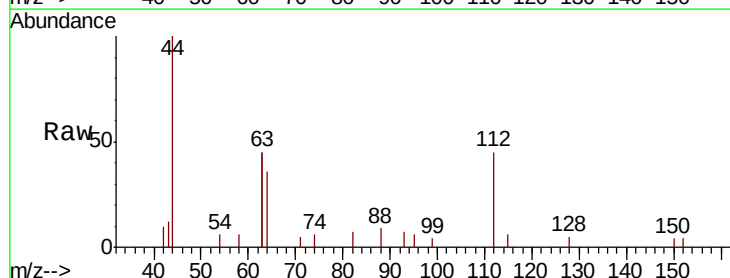
Tot Ion: 42 Resp: 781
 Ion Ratio Lower Upper
 42 100
 74 76.1 0.0 0.0#
 44 0.0 0.0 0.0

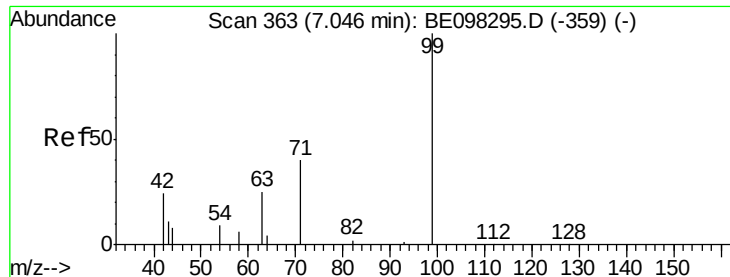


#4

2-Fluorophenol
 Concen: 0.396 ng
 RT: 5.44 min Scan# 224
 Delta R.T. -0.00 min
 Lab File: BE098350.D
 Acq: 12 Dec 2018 1:43

Tgt Ion: 112 Resp: 1274
 Ion Ratio Lower Upper
 112 100
 64 76.6 59.8 89.8
 63 169.5 133.7 200.5





#5

Phenol-d6

Concen: 0.401 ng

RT: 7.05 min Scan# 363

Delta R.T. -0.00 min

Lab File: BE098350.D

Acq: 12 Dec 2018 1:43

Instrument :

BNA_E

ClientSampleId :

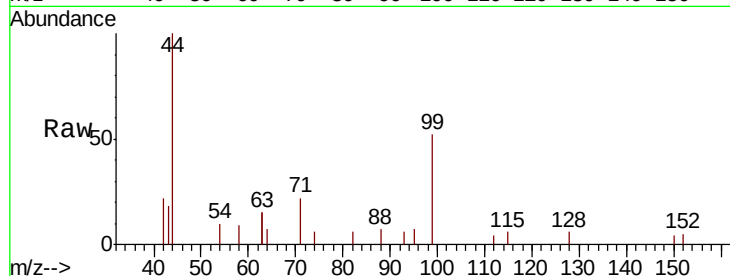
Tot Ion: 99 Resp: 1824

Ion Ratio Lower Upper

99 100

42 26.4 26.3 39.5

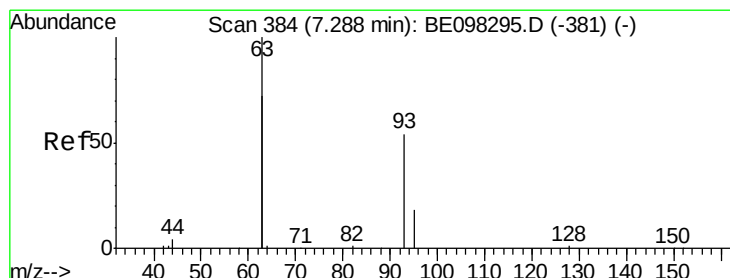
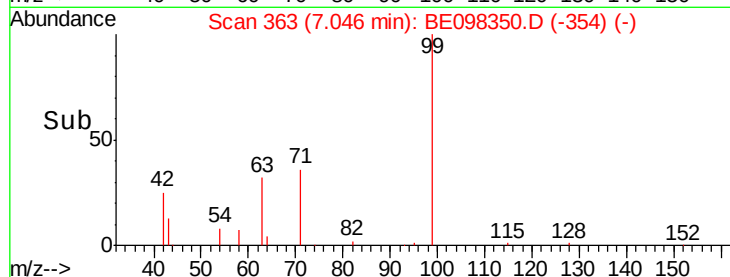
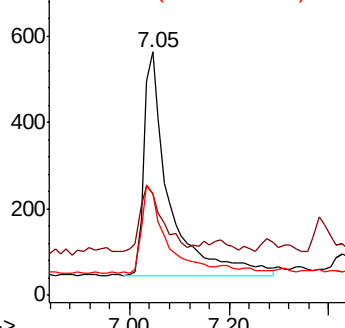
71 36.1 33.6 50.4



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: 0.387 ng

RT: 7.29 min Scan# 384

Delta R.T. -0.00 min

Lab File: BE098350.D

Acq: 12 Dec 2018 1:43

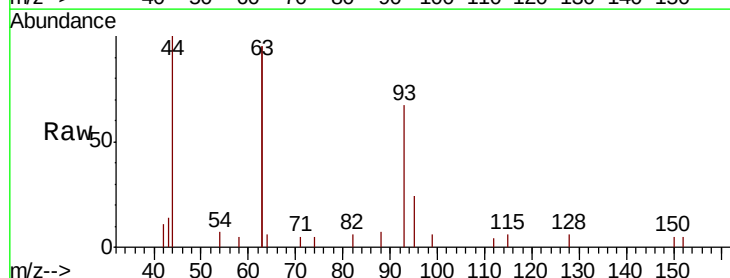
Tgt Ion: 93 Resp: 1675

Ion Ratio Lower Upper

93 100

63 288.8 264.4 396.6

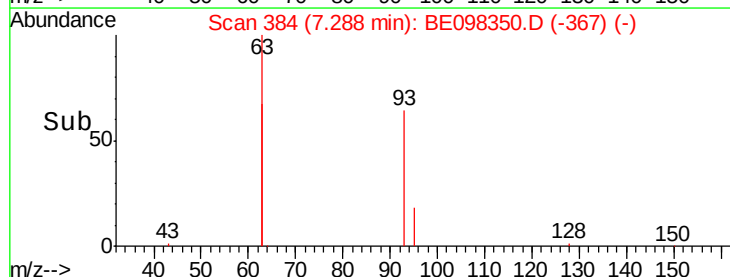
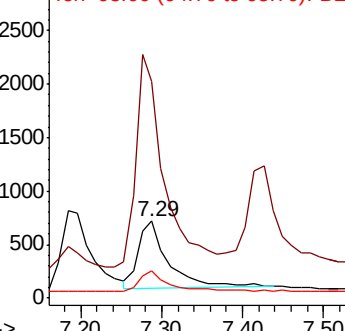
95 30.3 26.6 40.0

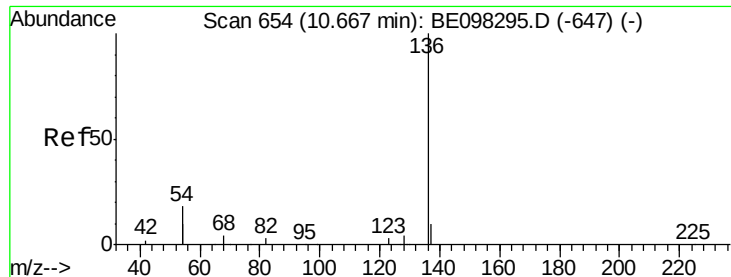


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE098350.D

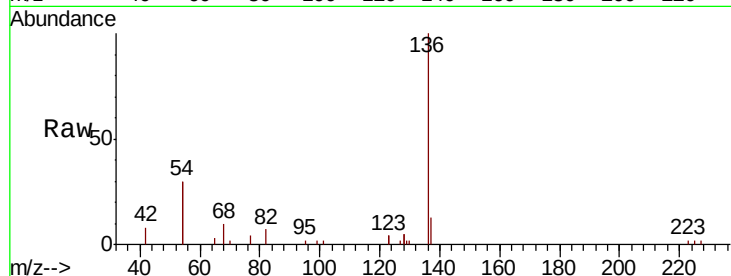
Acq: 12 Dec 2018 1:43

Instrument :

BNA_E

ClientSampleId :

Tot Ion:	136	Resp:	5794
Ion	Ratio	Lower	Upper
136	100		
137	13.2	9.2	13.8
54	60.9	28.4	42.6#
68	10.3	5.4	8.0#

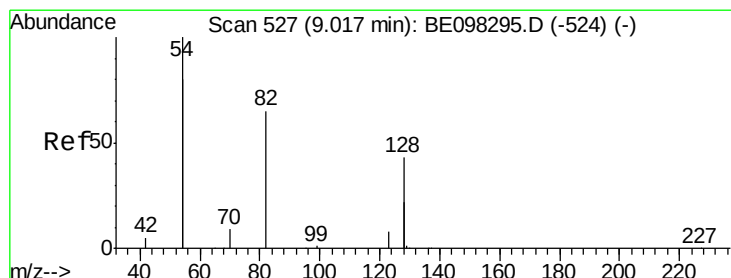
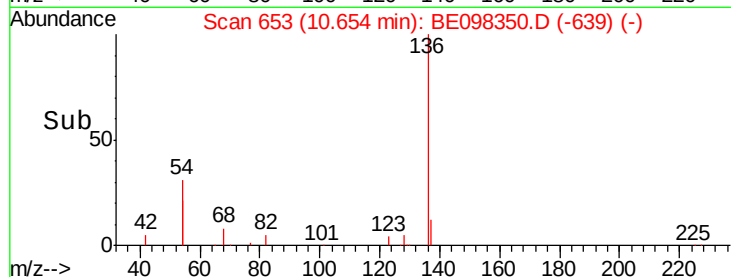
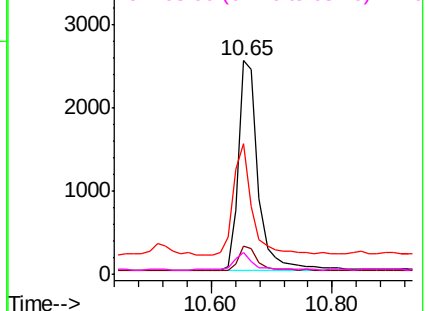


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.383 ng

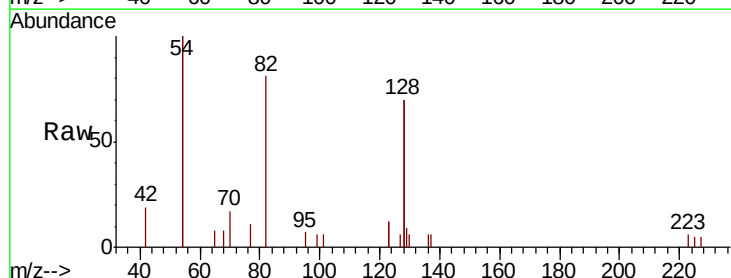
RT: 9.03 min Scan# 528

Delta R.T. 0.01 min

Lab File: BE098350.D

Acq: 12 Dec 2018 1:43

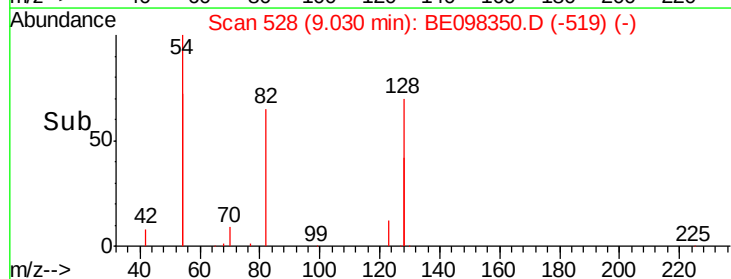
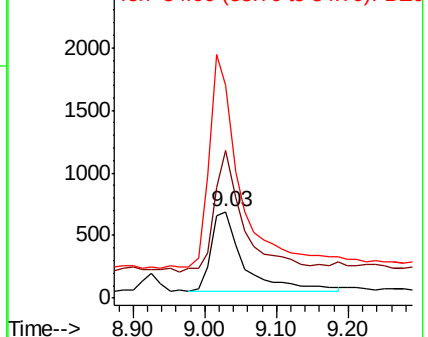
Tgt Ion:	82	Resp:	2020
Ion	Ratio	Lower	Upper
82	100		
128	171.1	102.4	153.6#
54	245.7	221.8	332.8

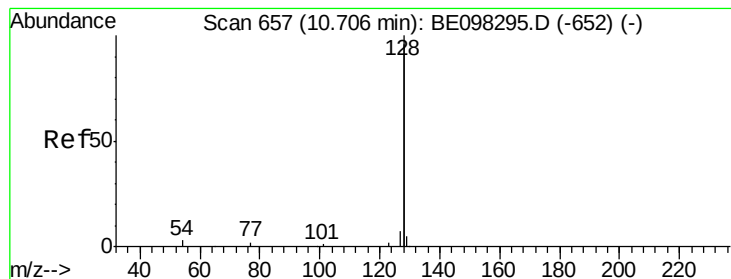


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.392 ng

RT: 10.71 min Scan# 657

Delta R.T. -0.00 min

Lab File: BE098350.D

Acq: 12 Dec 2018 1:43

Instrument :

BNA_E

ClientSampleId :

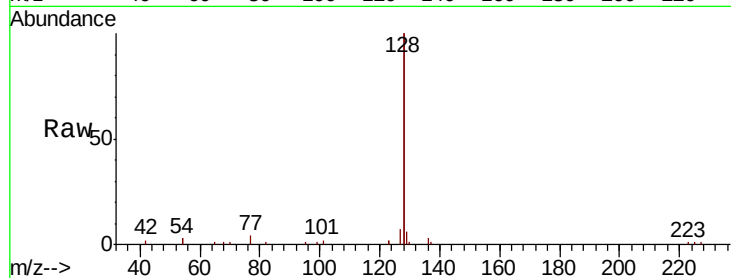
Tot Ion:128 Resp: 22834

Ion Ratio Lower Upper

128 100

129 3.1 2.5 3.7

127 3.5 2.7 4.1

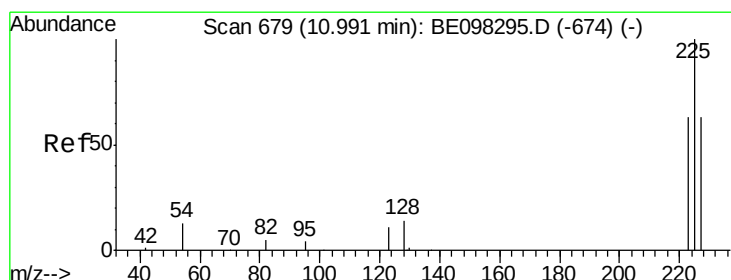
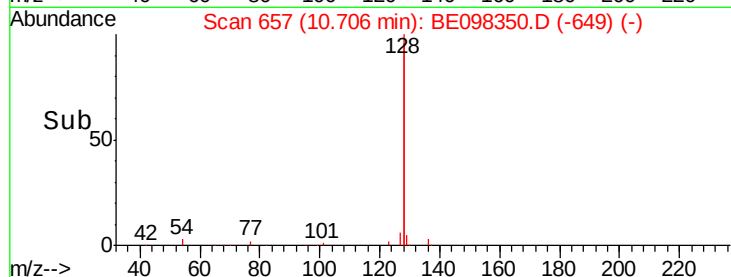
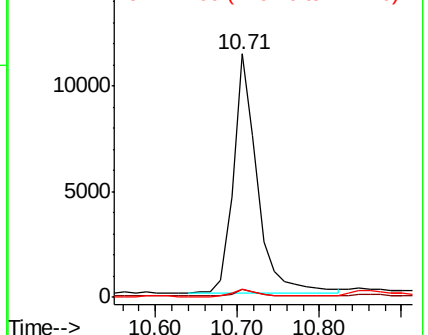


Abundance

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: 0.391 ng

RT: 10.99 min Scan# 679

Delta R.T. -0.00 min

Lab File: BE098350.D

Acq: 12 Dec 2018 1:43

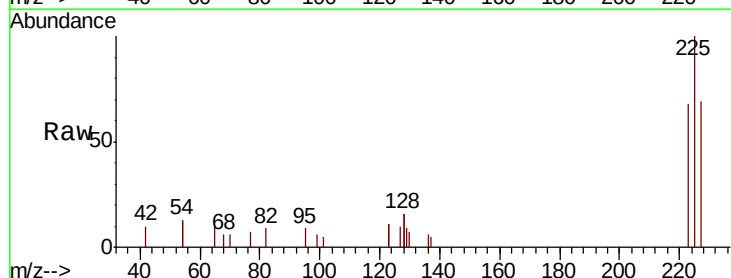
Tgt Ion:225 Resp: 1452

Ion Ratio Lower Upper

225 100

223 65.0 49.4 74.0

227 64.3 52.0 78.0

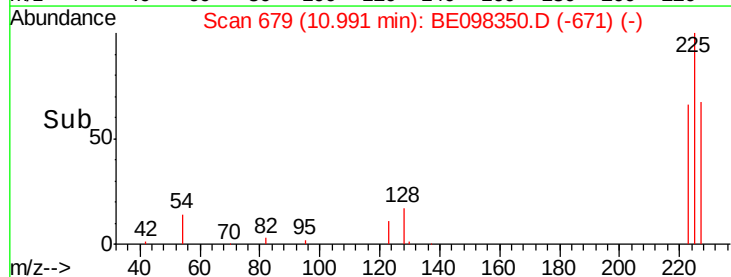
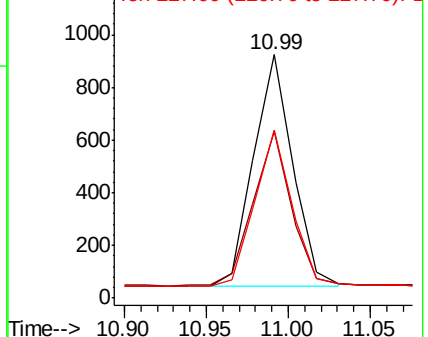


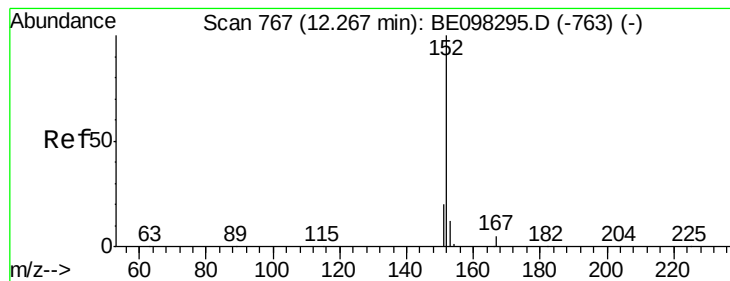
Abundance

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: 0.369 ng

RT: 12.27 min Scan# 767

Delta R.T. -0.00 min

Lab File: BE098350.D

Acq: 12 Dec 2018 1:43

Instrument :

BNA_E

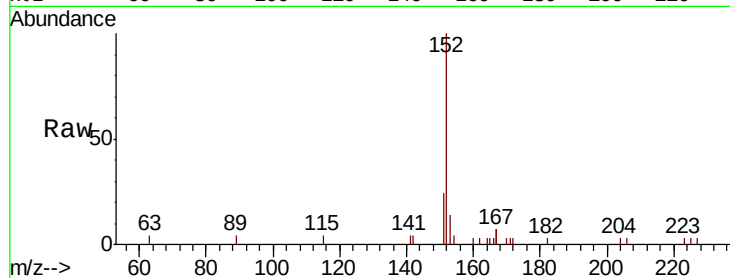
ClientSampleId :

Tot Ion:152 Resp: 3477

Ion Ratio Lower Upper

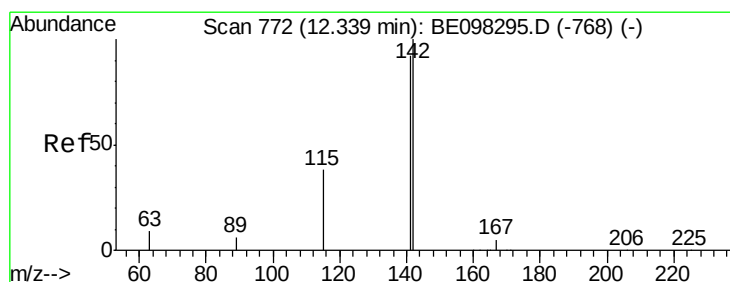
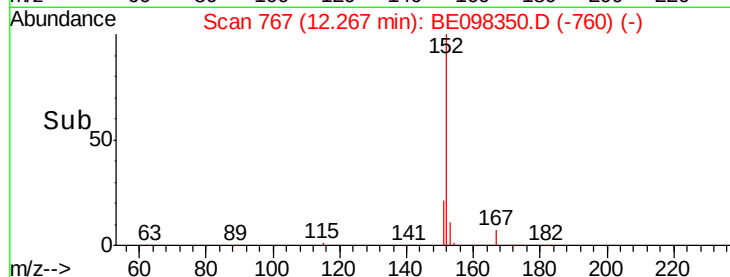
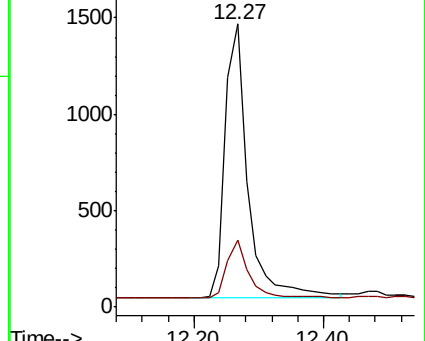
152 100

151 21.1 16.2 24.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.383 ng

RT: 12.34 min Scan# 772

Delta R.T. -0.00 min

Lab File: BE098350.D

Acq: 12 Dec 2018 1:43

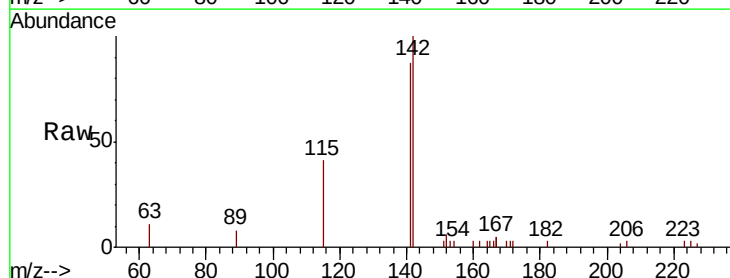
Tgt Ion:142 Resp: 3628

Ion Ratio Lower Upper

142 100

141 86.8 71.0 106.6

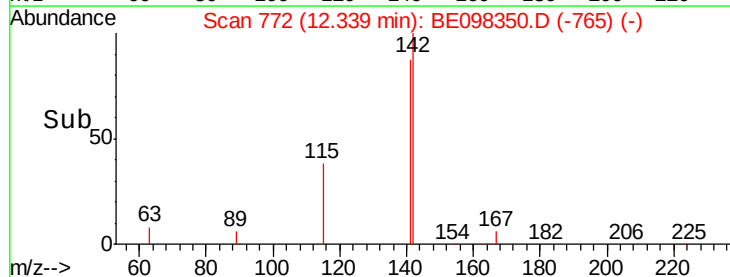
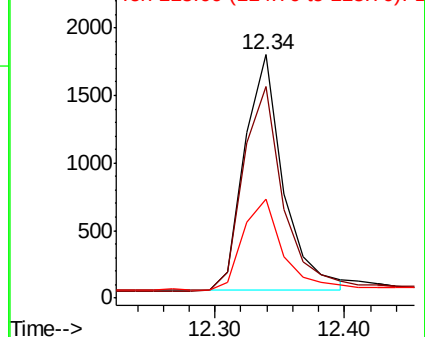
115 40.5 32.2 48.2

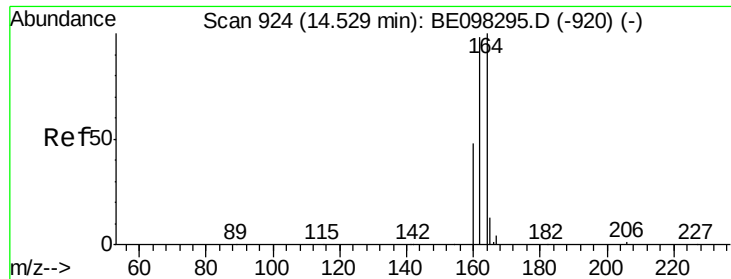


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

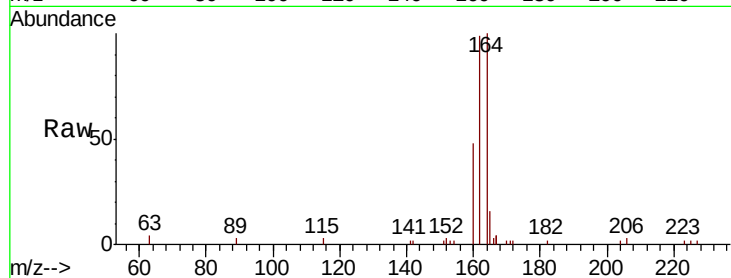




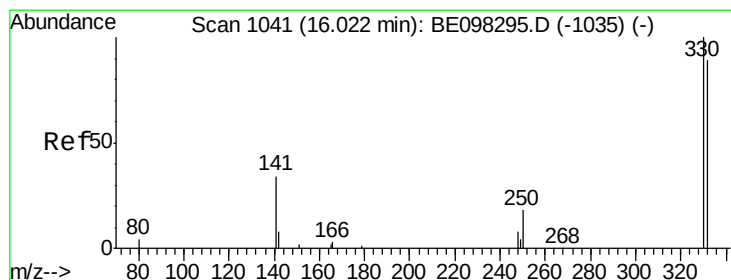
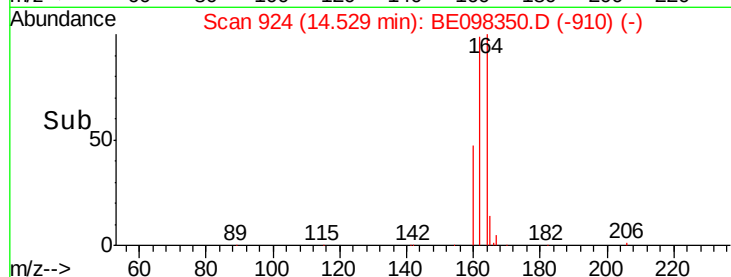
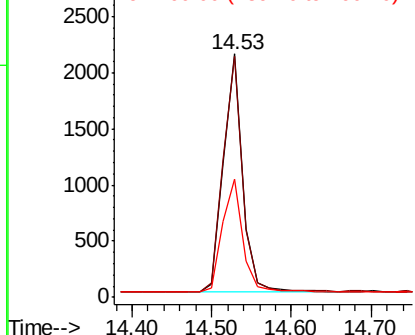
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.00 min
Lab File: BE098350.D
Acq: 12 Dec 2018 1:43

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 3536
Ion Ratio Lower Upper
164 100
162 98.9 77.6 116.4
160 48.4 36.0 54.0

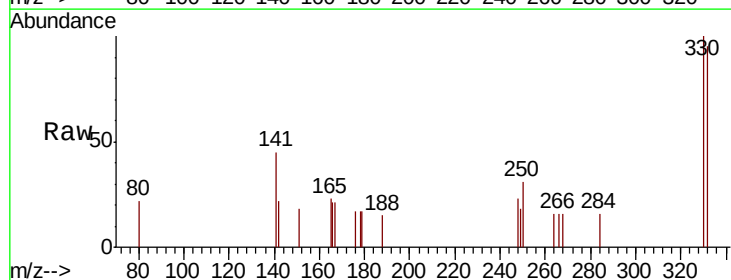


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

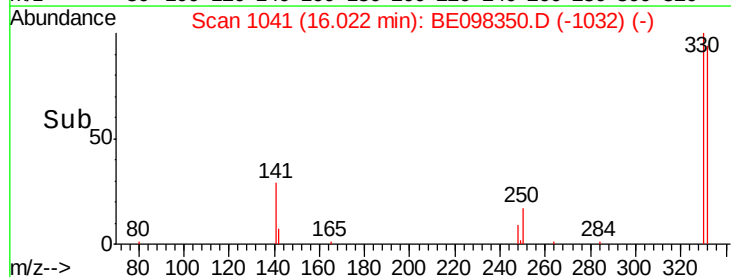
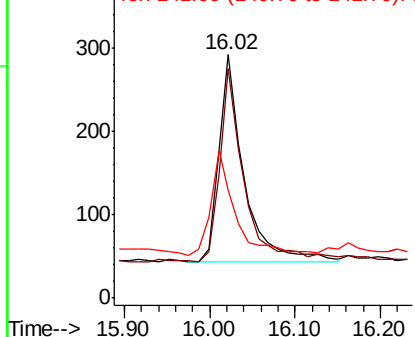


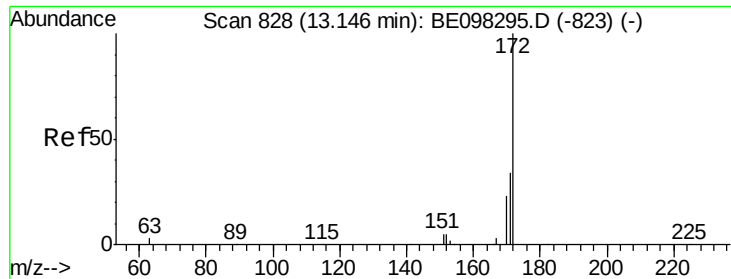
#14
2,4,6-Tribromophenol
Concen: 0.389 ng
RT: 16.02 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BE098350.D
Acq: 12 Dec 2018 1:43

Tgt Ion:330 Resp: 505
Ion Ratio Lower Upper
330 100
332 95.4 76.2 114.4
141 50.5 39.0 58.4



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

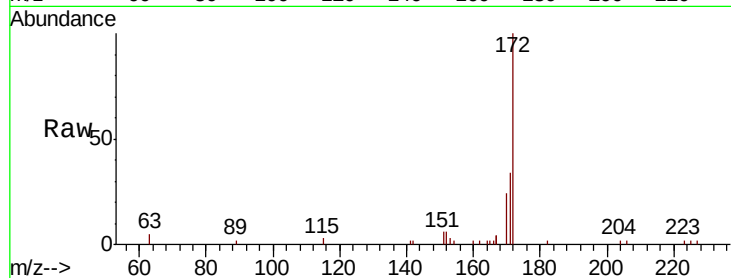




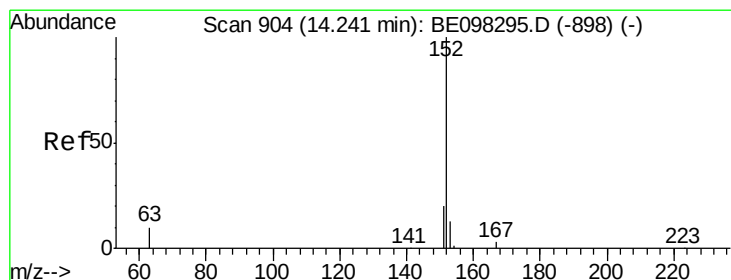
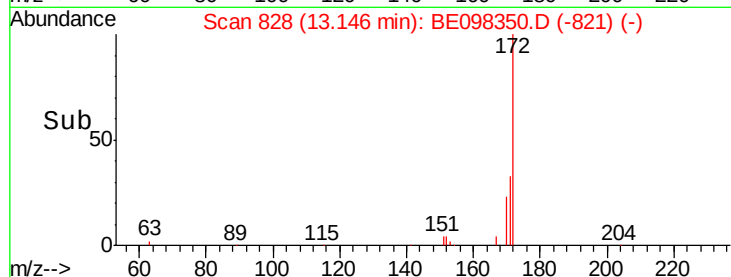
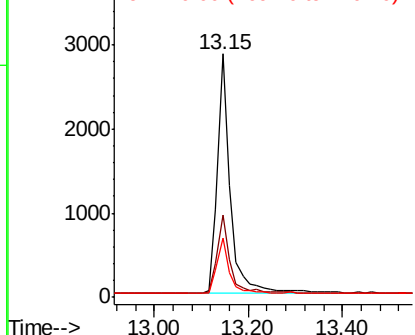
#15
2-Fluorobiphenyl
Concen: 0.365 ng
RT: 13.15 min Scan# 828
Delta R.T. -0.00 min
Lab File: BE098350.D
Acq: 12 Dec 2018 1:43

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 5443
Ion Ratio Lower Upper
172 100
171 33.8 27.5 41.3
170 24.5 19.6 29.4

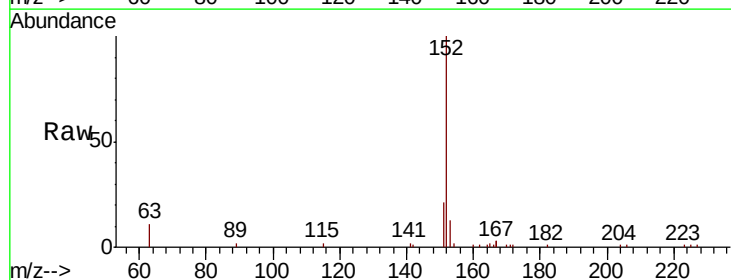


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

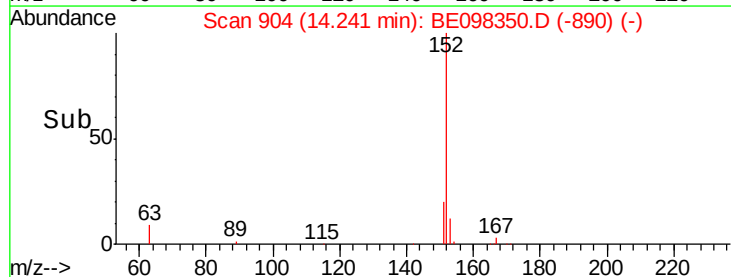
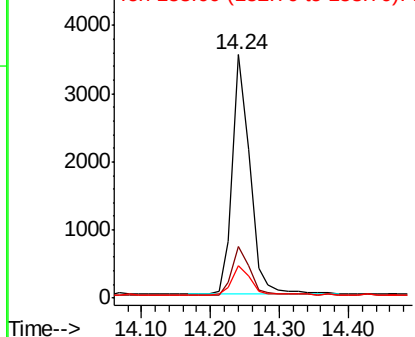


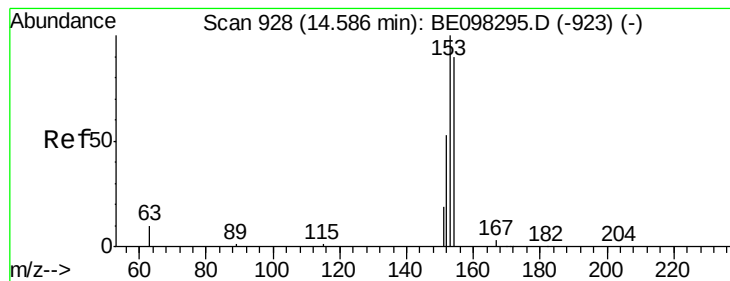
#16
Acenaphthylene
Concen: 0.379 ng
RT: 14.24 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE098350.D
Acq: 12 Dec 2018 1:43

Tgt Ion:152 Resp: 6276
Ion Ratio Lower Upper
152 100
151 20.6 15.5 23.3
153 13.1 10.6 16.0



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: 0.381 ng

RT: 14.59 min Scan# 928

Delta R.T. -0.00 min

Lab File: BE098350.D

Acq: 12 Dec 2018 1:43

Instrument :

BNA_E

ClientSampleId :

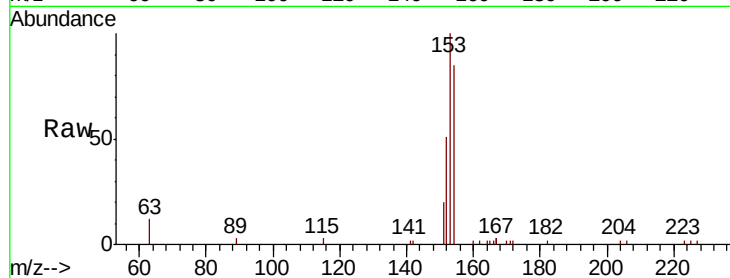
Tot Ion:154 Resp: 3792

Ion Ratio Lower Upper

154 100

153 116.7 91.8 137.6

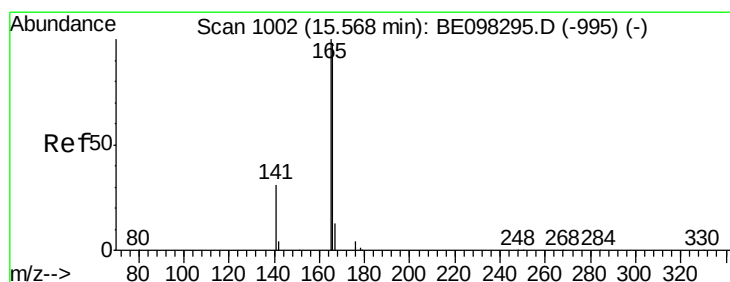
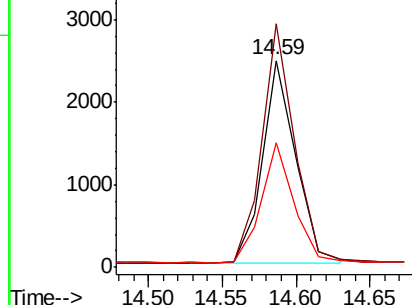
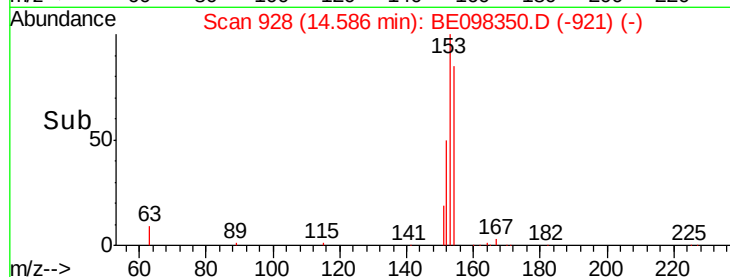
152 58.6 45.5 68.3



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: 0.383 ng

RT: 15.57 min Scan# 1002

Delta R.T. -0.00 min

Lab File: BE098350.D

Acq: 12 Dec 2018 1:43

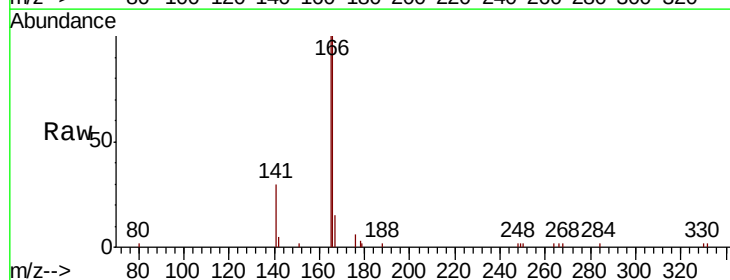
Tgt Ion:166 Resp: 5103

Ion Ratio Lower Upper

166 100

165 98.9 79.3 118.9

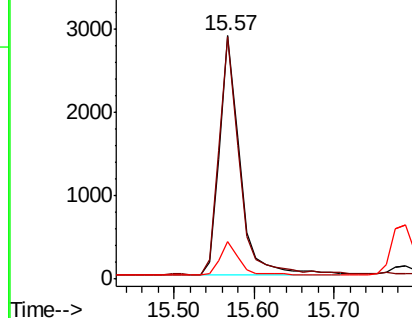
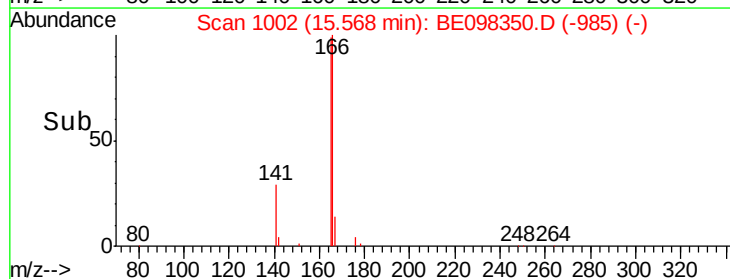
167 13.3 11.3 16.9

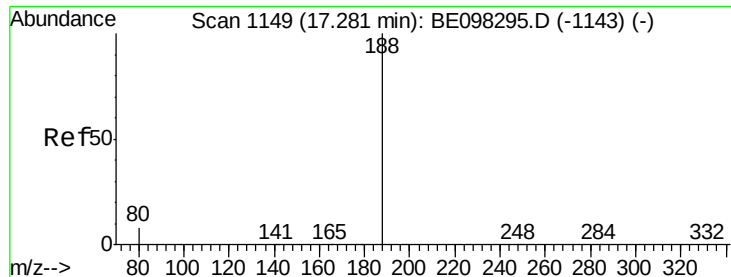


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.27 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BE098350.D

Acq: 12 Dec 2018 1:43

Instrument :

BNA_E

ClientSampleId :

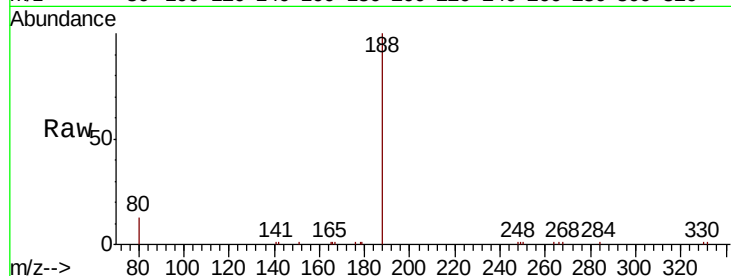
Tot Ion:188 Resp: 9621

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

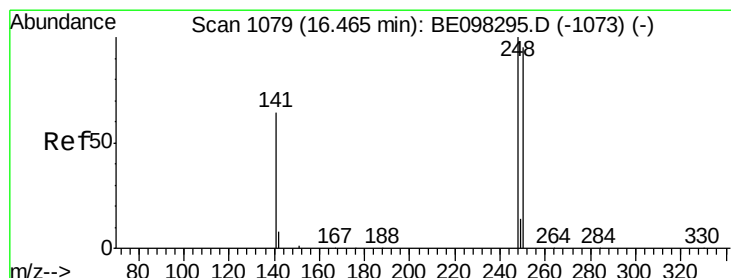
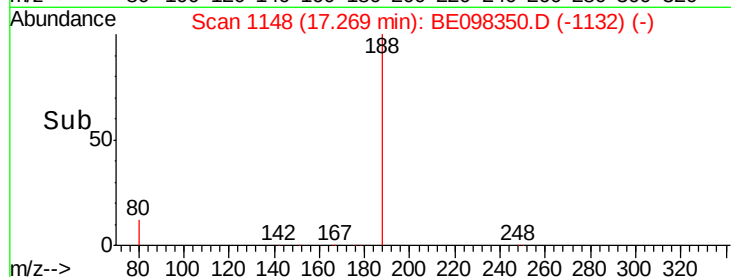
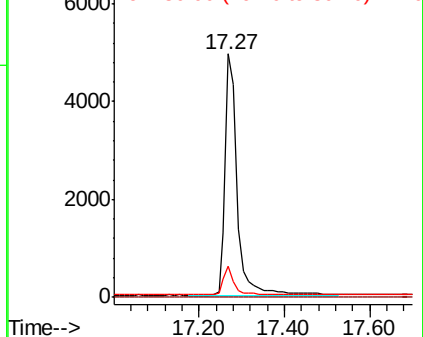
80 12.8 7.2 10.8#



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: 0.372 ng

RT: 16.46 min Scan# 1079

Delta R.T. -0.00 min

Lab File: BE098350.D

Acq: 12 Dec 2018 1:43

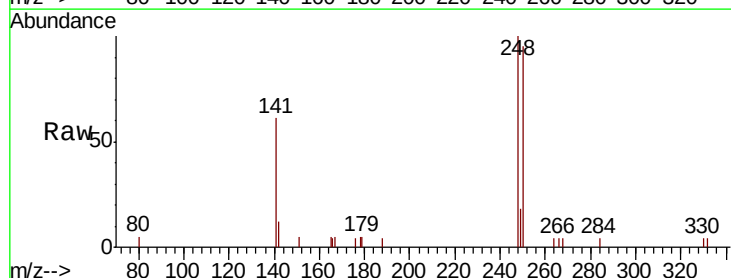
Tgt Ion:248 Resp: 1924

Ion Ratio Lower Upper

248 100

250 95.3 71.0 106.6

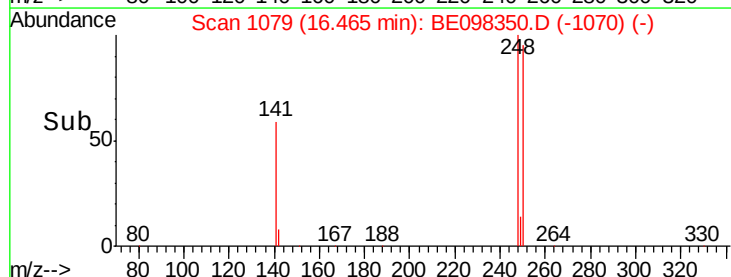
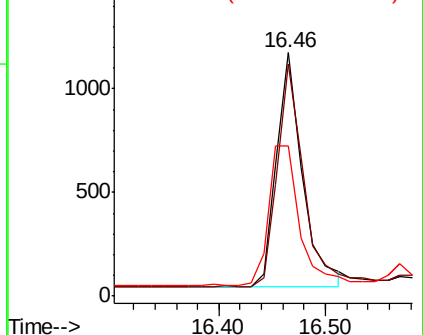
141 61.5 62.1 93.1#

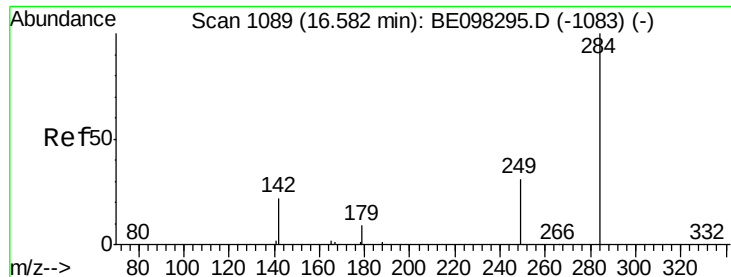


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.378 ng

RT: 16.58 min Scan# 1089

Delta R.T. -0.00 min

Lab File: BE098350.D

Acq: 12 Dec 2018 1:43

Instrument :

BNA_E

ClientSampleId :

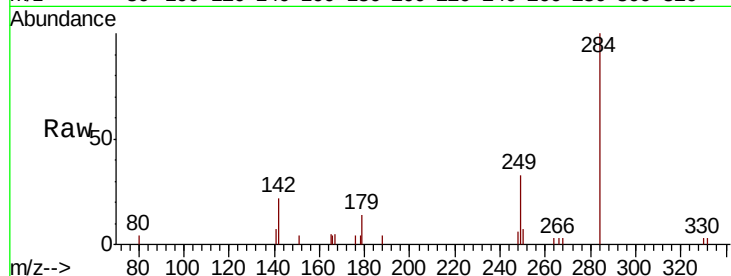
Tot Ion:284 Resp: 2104

Ion Ratio Lower Upper

284 100

142 35.0 26.3 39.5

249 33.7 26.0 39.0

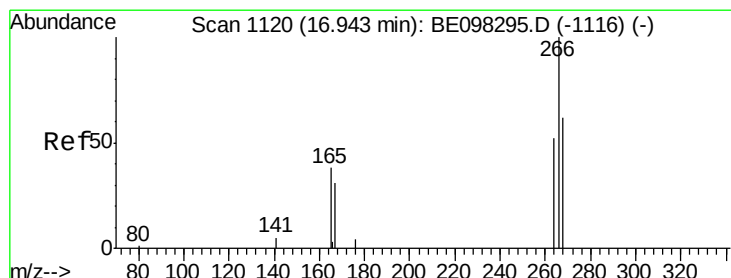
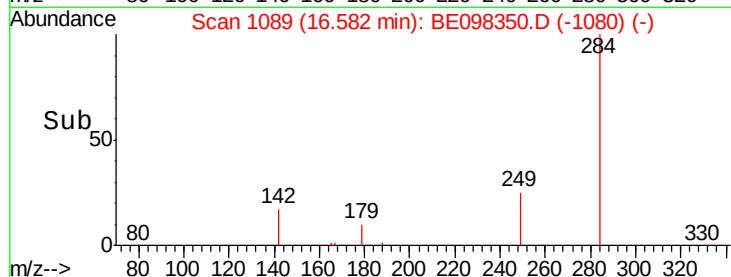
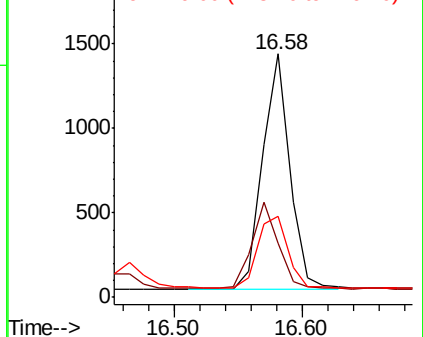


Abundance

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: 0.467 ng

RT: 16.94 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE098350.D

Acq: 12 Dec 2018 1:43

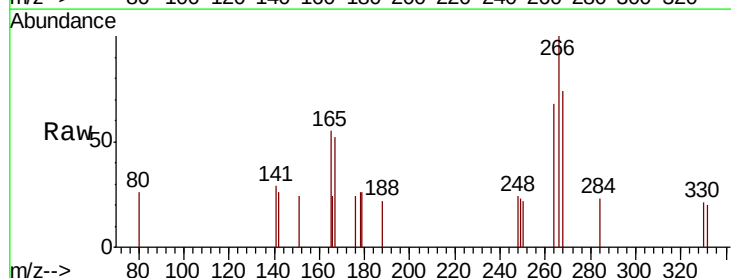
Tgt Ion:266 Resp: 429

Ion Ratio Lower Upper

266 100

264 68.2 59.0 88.4

268 73.7 55.1 82.7

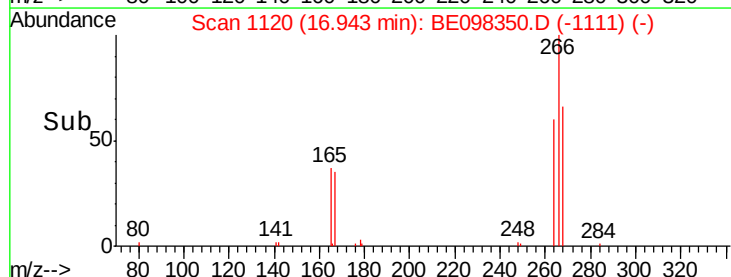
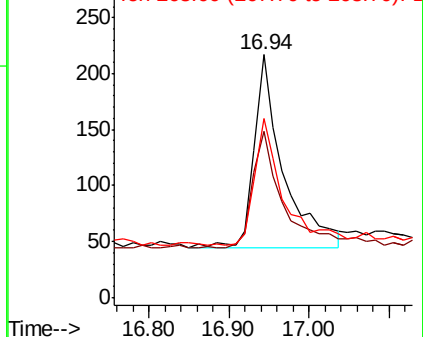


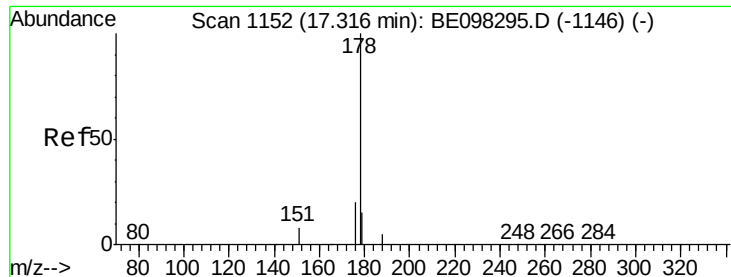
Abundance

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: 0.382 ng

RT: 17.32 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BE098350.D

Acq: 12 Dec 2018 1:43

Instrument :

BNA_E

ClientSampleId :

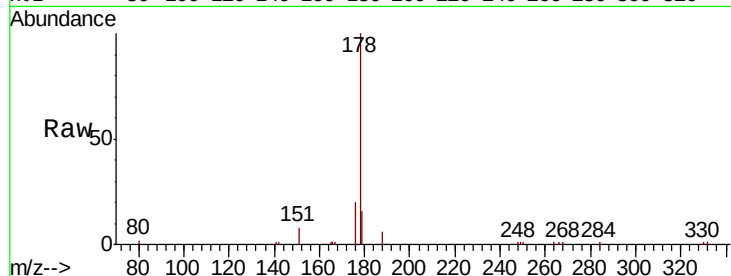
Tot Ion:178 Resp: 8939

Ion Ratio Lower Upper

178 100

176 19.3 15.9 23.9

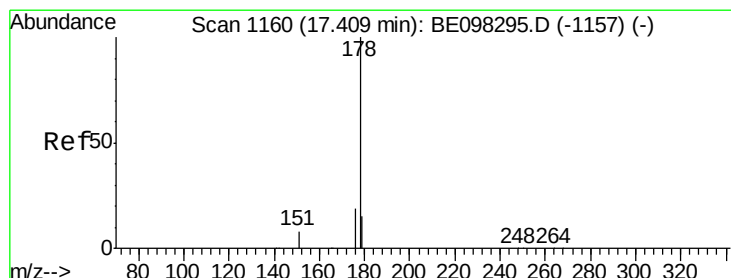
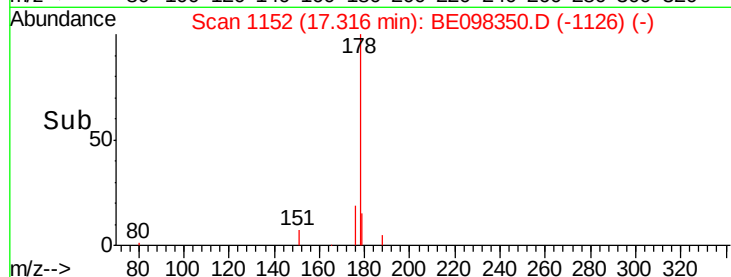
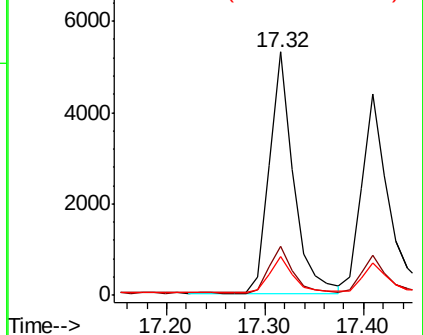
179 15.1 12.3 18.5



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: 0.364 ng

RT: 17.41 min Scan# 1160

Delta R.T. -0.00 min

Lab File: BE098350.D

Acq: 12 Dec 2018 1:43

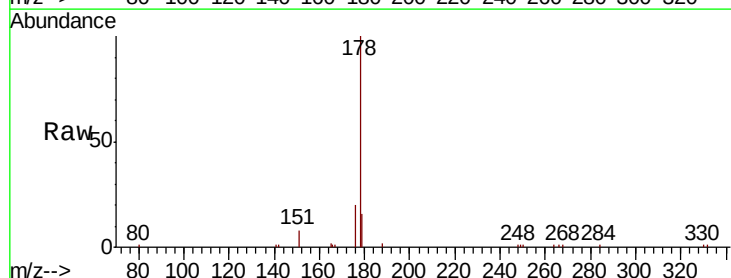
Tgt Ion:178 Resp: 7581

Ion Ratio Lower Upper

178 100

176 18.3 15.0 22.4

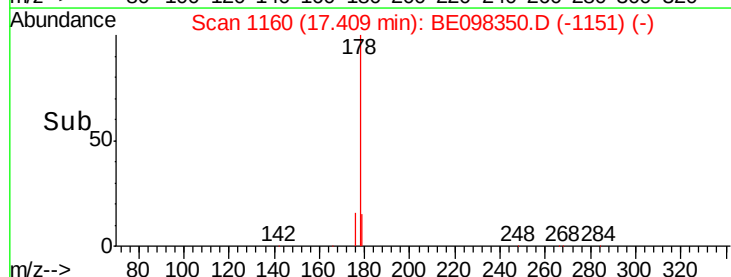
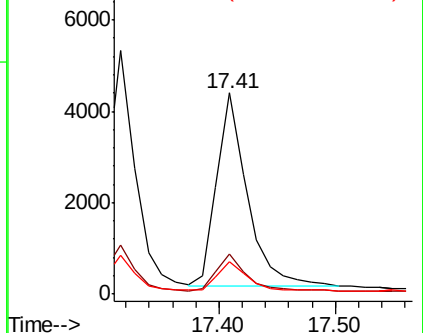
179 14.8 12.3 18.5

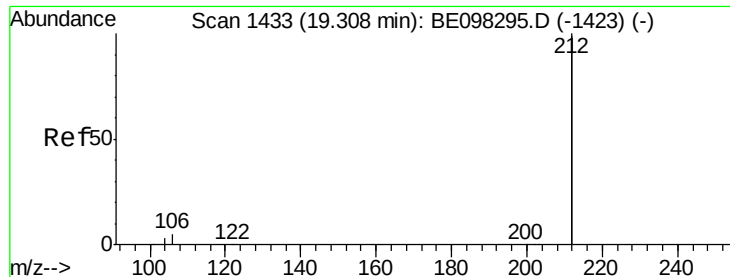


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.389 ng

RT: 19.31 min Scan# 1433

Delta R.T. -0.00 min

Lab File: BE098350.D

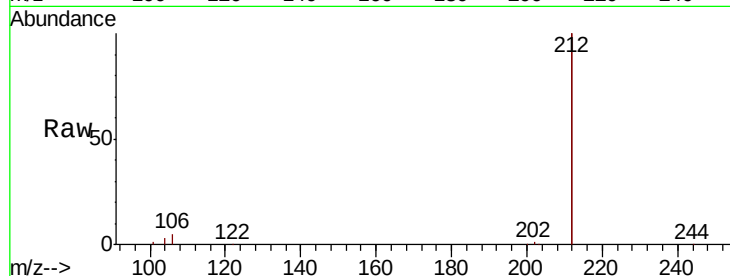
Acq: 12 Dec 2018 1:43

Instrument :

BNA_E

ClientSampleId :

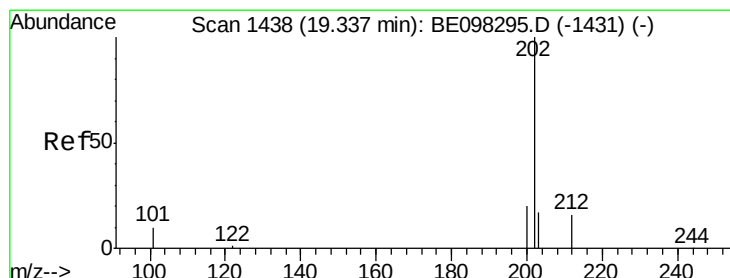
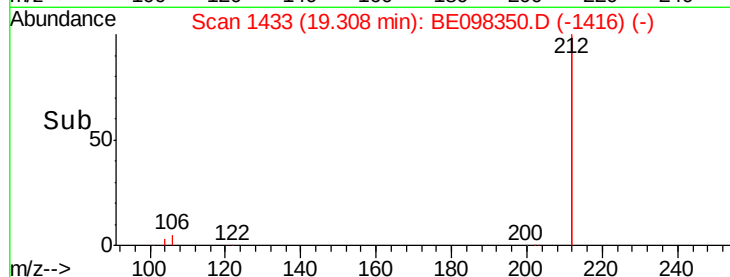
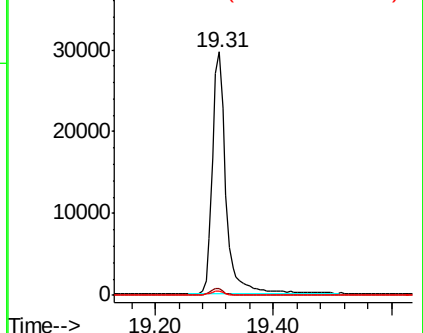
Tot Ion:212	Resp:	48000
Ion Ratio	Lower	Upper
212	100	
106	2.6	2.2 3.2
104	1.5	1.3 1.9



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: 0.389 ng

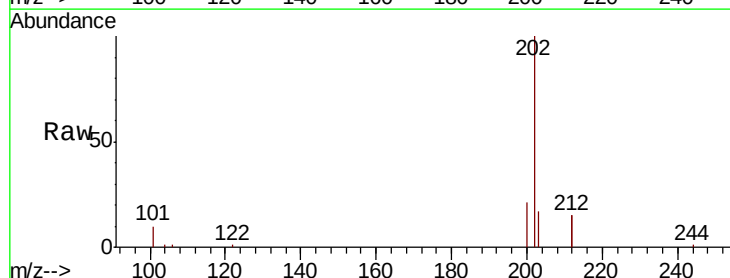
RT: 19.34 min Scan# 1438

Delta R.T. -0.00 min

Lab File: BE098350.D

Acq: 12 Dec 2018 1:43

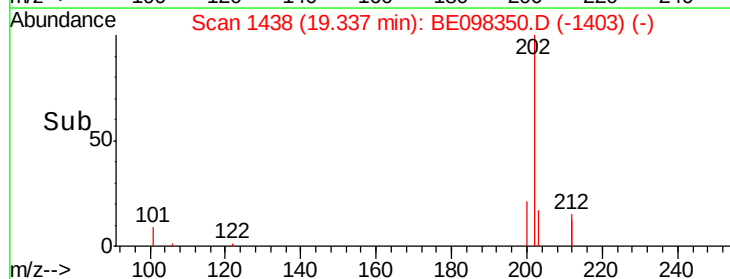
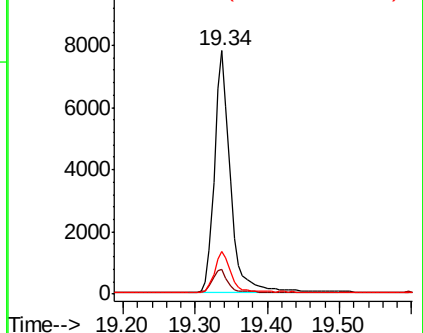
Tgt Ion:202	Resp:	12018
Ion Ratio	Lower	Upper
202	100	
101	9.4	8.0 12.0
203	16.7	13.8 20.6

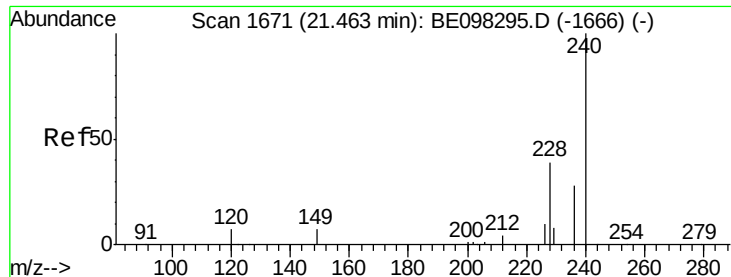


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

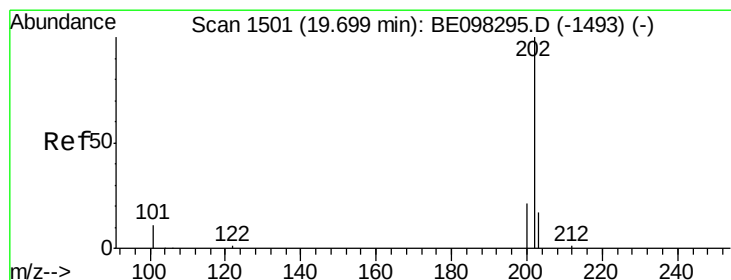
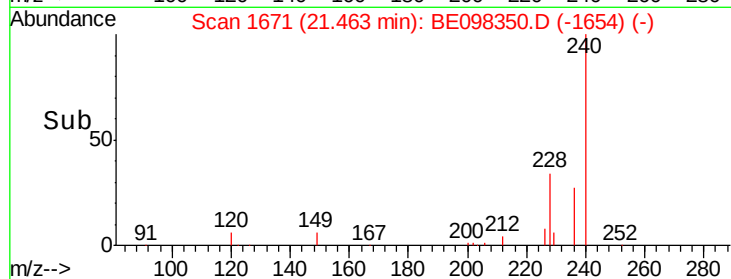
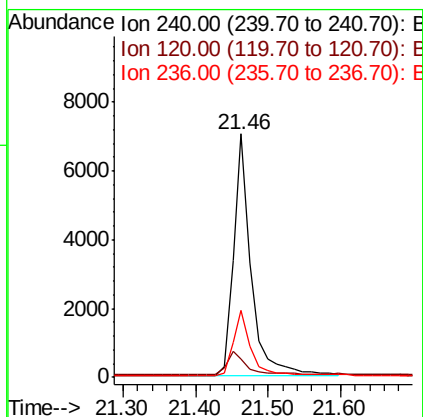
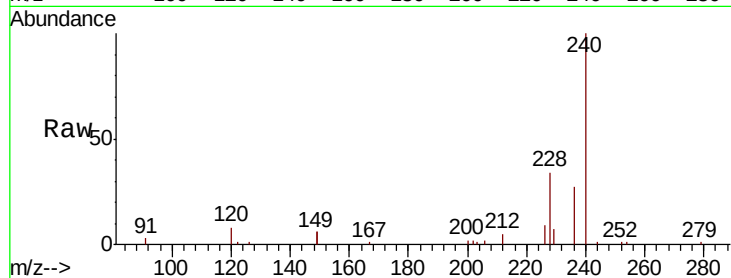




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.46 min Scan# 1671
Delta R.T. -0.00 min
Lab File: BE098350.D
Acq: 12 Dec 2018 1:43

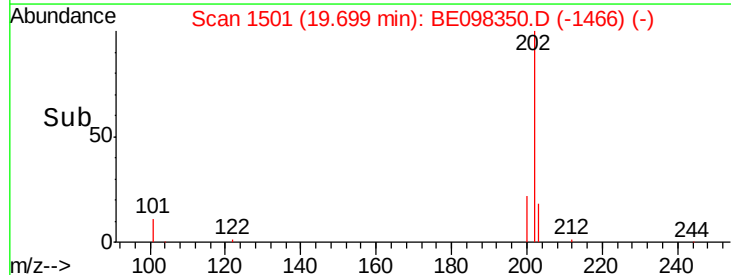
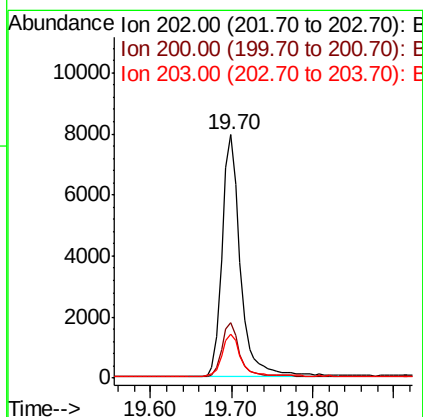
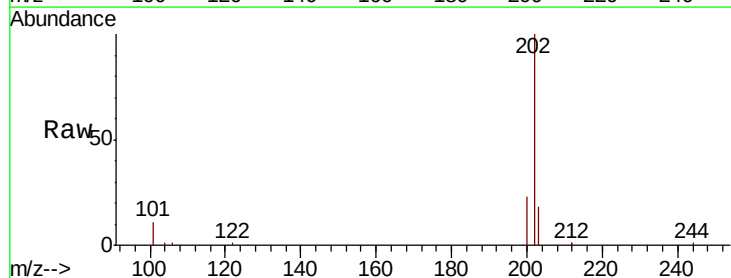
Instrument :
BNA_E
ClientSampleId :

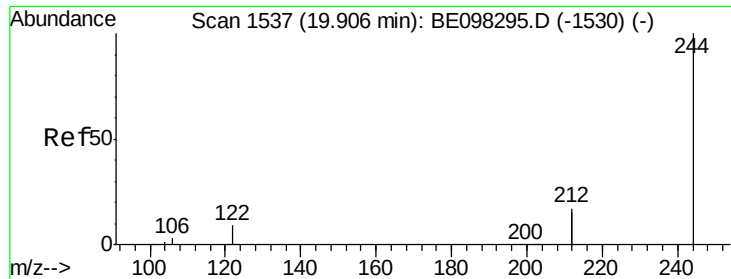
Tot Ion:240 Resp: 12029
Ion Ratio Lower Upper
240 100
120 7.7 9.5 14.3#
236 27.4 22.7 34.1



#28
Pyrene
Concen: 0.327 ng
RT: 19.70 min Scan# 1501
Delta R.T. -0.00 min
Lab File: BE098350.D
Acq: 12 Dec 2018 1:43

Tgt Ion:202 Resp: 12332
Ion Ratio Lower Upper
202 100
200 21.9 16.7 25.1
203 18.0 14.1 21.1





#29

Terphenyl-d14

Concen: 0.318 ng

RT: 19.91 min Scan# 1537

Delta R.T. -0.00 min

Lab File: BE098350.D

Acq: 12 Dec 2018 1:43

Instrument :

BNA_E

ClientSampleId :

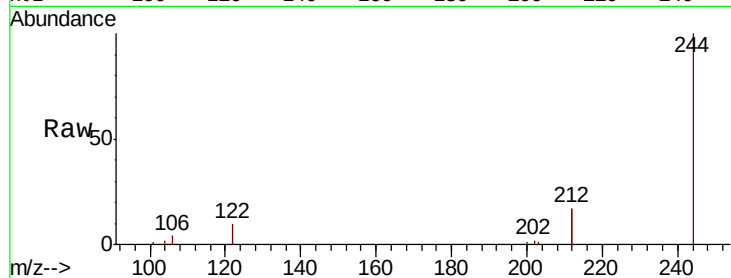
Tot Ion:244 Resp: 9309

Ion Ratio Lower Upper

244 100

212 33.2 27.4 41.0

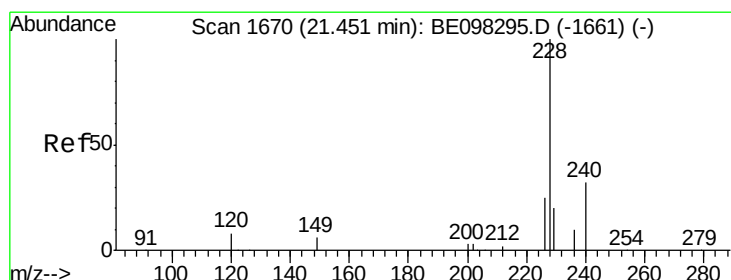
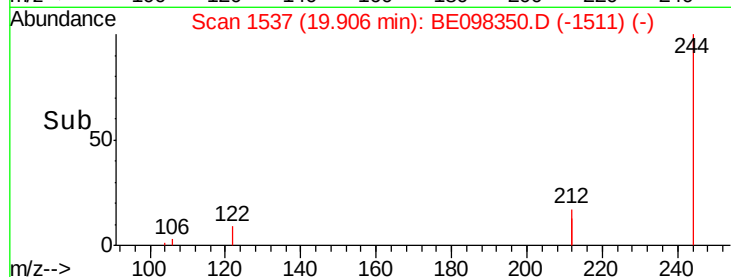
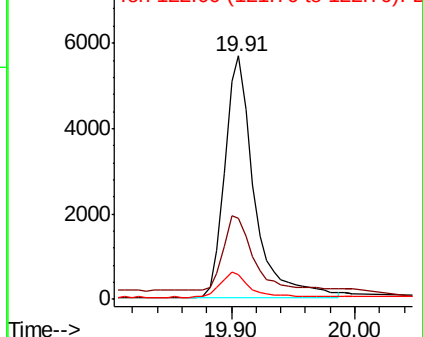
122 10.3 8.3 12.5



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: 0.363 ng

RT: 21.45 min Scan# 1670

Delta R.T. -0.00 min

Lab File: BE098350.D

Acq: 12 Dec 2018 1:43

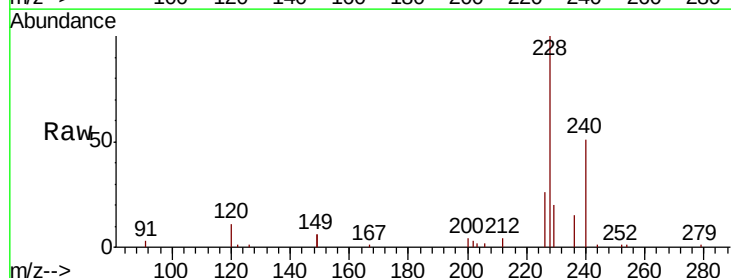
Tgt Ion:228 Resp: 12431

Ion Ratio Lower Upper

228 100

226 25.6 21.8 32.8

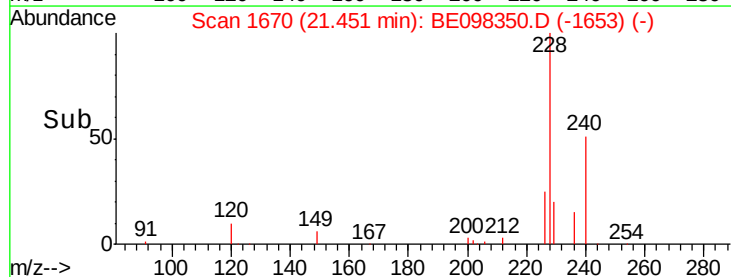
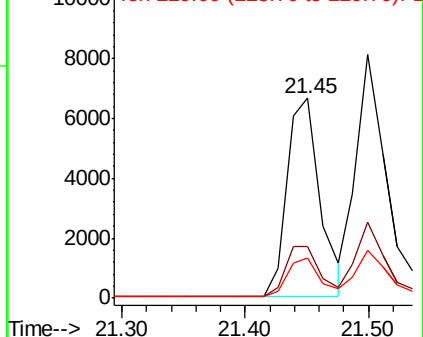
229 20.3 16.3 24.5

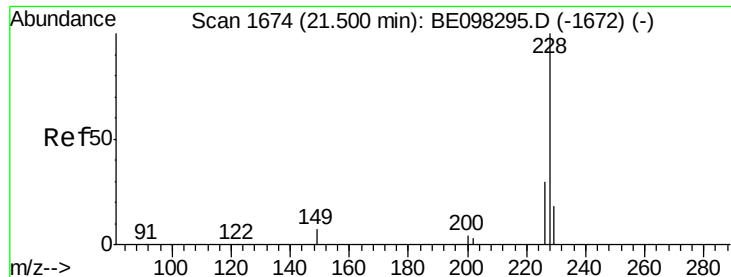


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

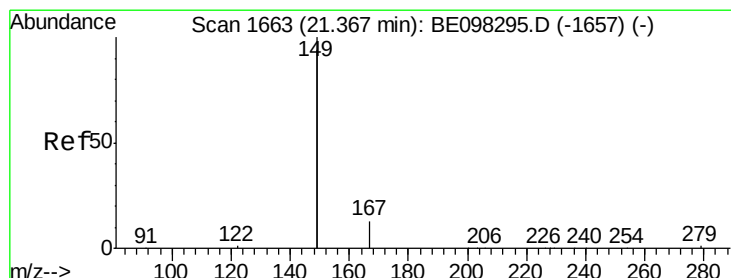
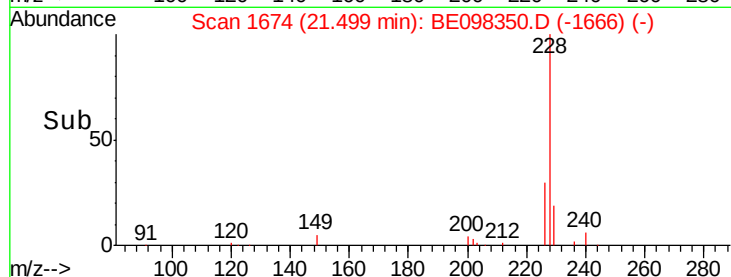
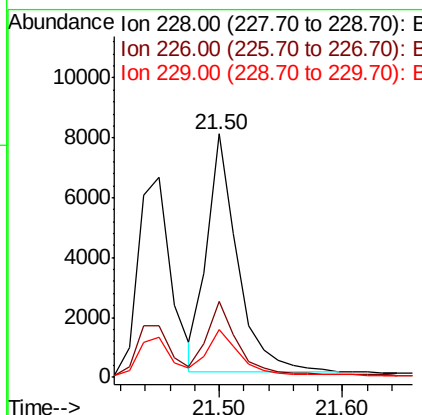
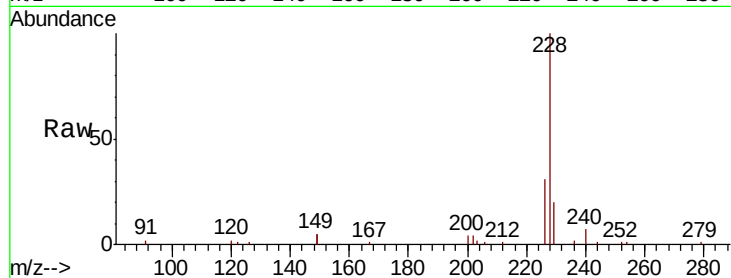




#31
Chrysene
Concen: 0.380 ng
RT: 21.50 min Scan# 1674
Delta R.T. -0.00 min
Lab File: BE098350.D
Acq: 12 Dec 2018 1:43

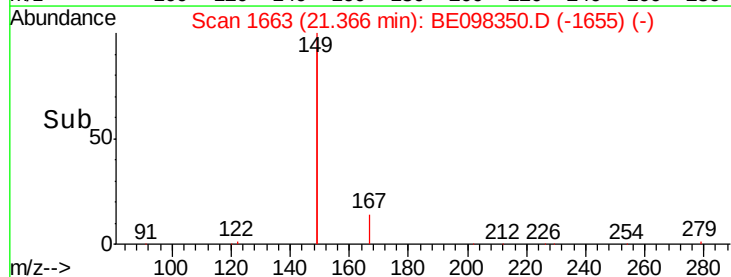
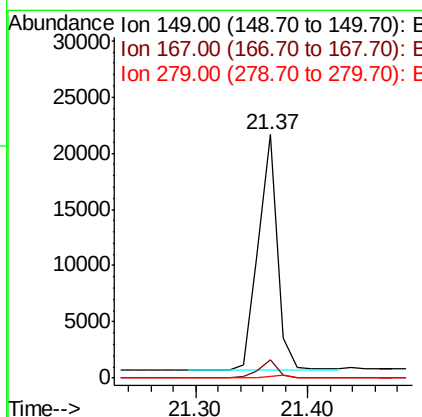
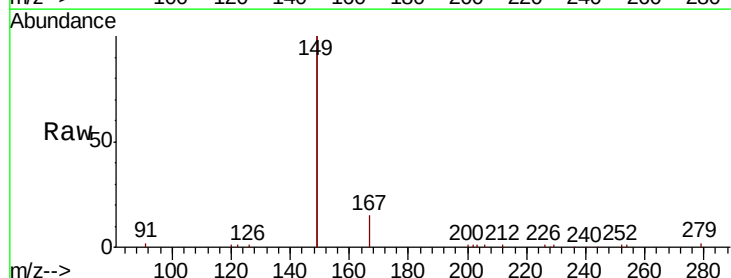
Instrument :
BNA_E
ClientSampled :

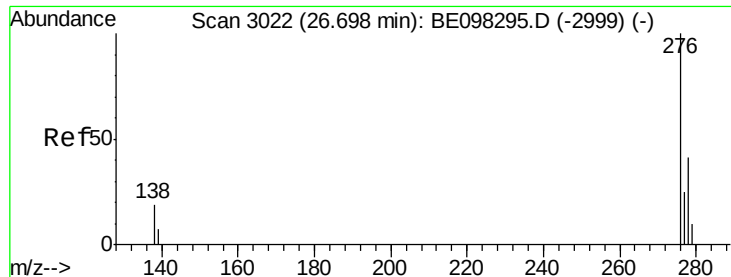
Tot Ion:228 Resp: 13617
Ion Ratio Lower Upper
228 100
226 31.0 23.4 35.0
229 19.7 16.2 24.4



#32
Bis(2-ethylhexyl)phthalate
Concen: 0.362 ng
RT: 21.37 min Scan# 1663
Delta R.T. -0.00 min
Lab File: BE098350.D
Acq: 12 Dec 2018 1:43

Tgt Ion:149 Resp: 25153
Ion Ratio Lower Upper
149 100
167 7.0 5.7 8.5
279 1.0 1.0 1.4

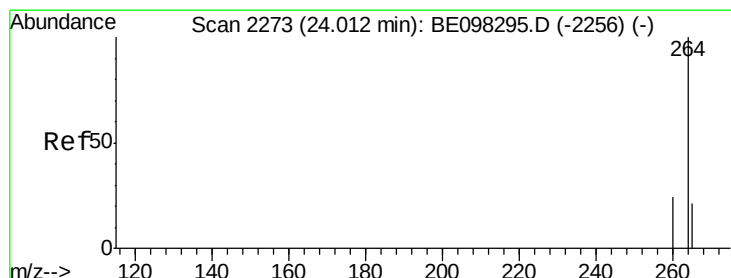
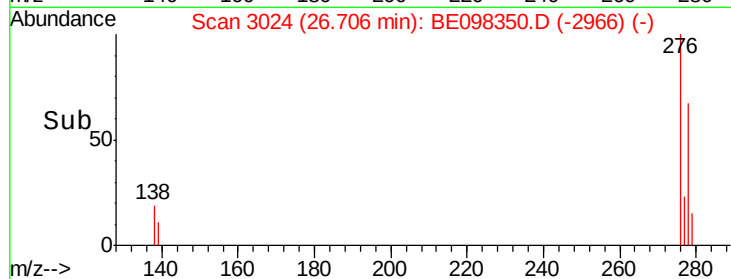
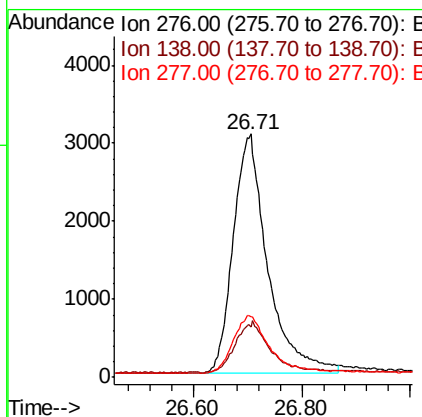
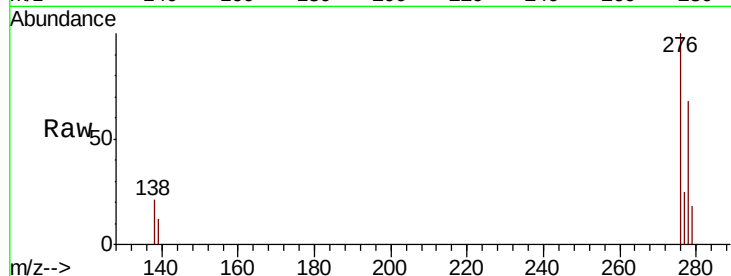




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.382 ng
 RT: 26.71 min Scan# 3024
 Delta R.T. 0.01 min
 Lab File: BE098350.D
 Acq: 12 Dec 2018 1:43

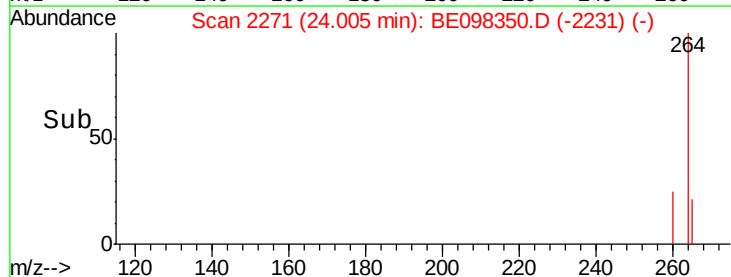
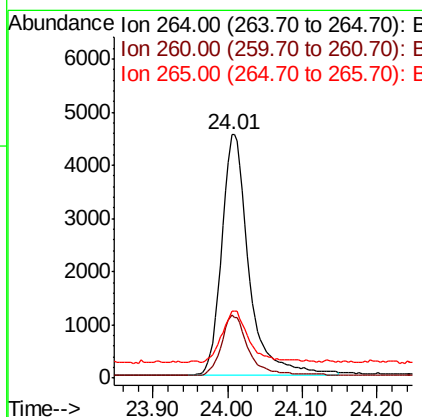
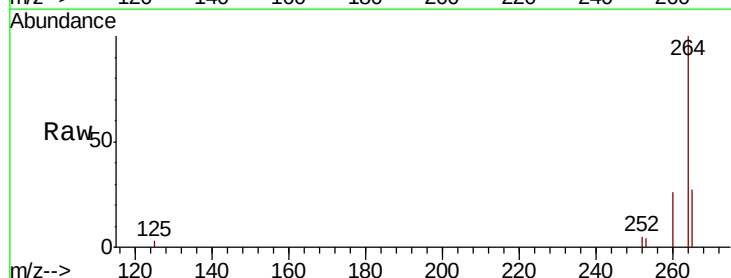
Instrument :
 BNA_E
 ClientSampleId :

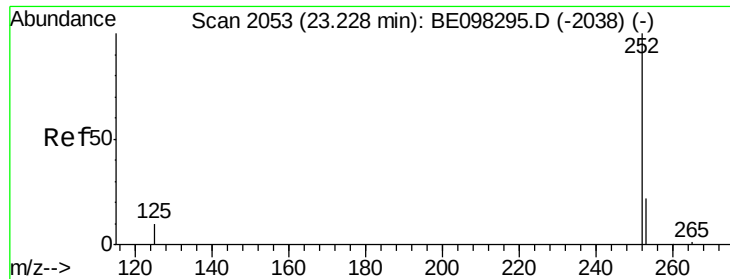
Tot Ion:276 Resp: 13639
 Ion Ratio Lower Upper
 276 100
 138 20.8 16.3 24.5
 277 24.6 20.2 30.4



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.01 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: BE098350.D
 Acq: 12 Dec 2018 1:43

Tgt Ion:264 Resp: 11373
 Ion Ratio Lower Upper
 264 100
 260 25.7 20.2 30.2
 265 27.4 25.2 37.8





#35

Benzo(b)fluoranthene

Concen: 0.381 ng

RT: 23.23 min Scan# 2053

Delta R.T. -0.00 min

Lab File: BE098350.D

Acq: 12 Dec 2018 1:43

Instrument :

BNA_E

ClientSampleId :

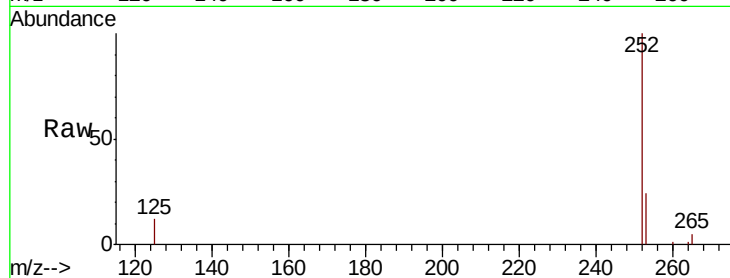
Tot Ion:252 Resp: 11843

Ion Ratio Lower Upper

252 100

253 23.6 20.0 30.0

125 12.0 9.6 14.4

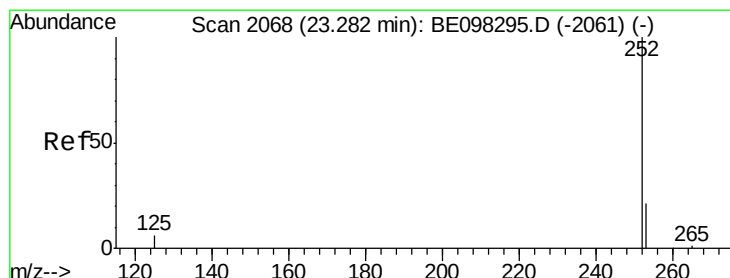
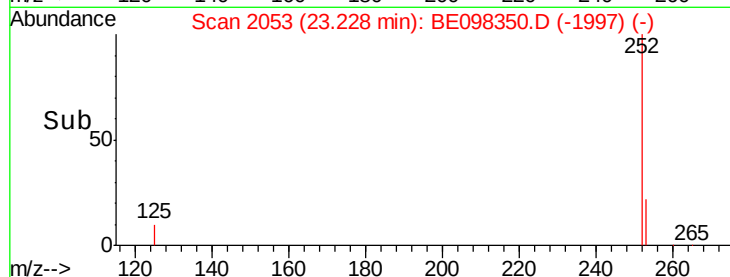
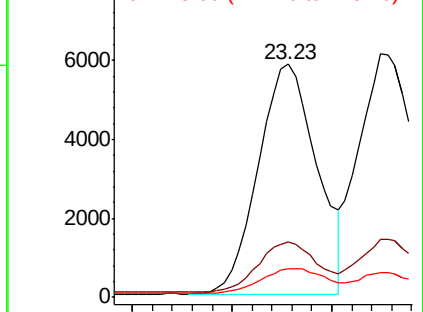


Abundance

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: 0.397 ng

RT: 23.27 min Scan# 2066

Delta R.T. -0.01 min

Lab File: BE098350.D

Acq: 12 Dec 2018 1:43

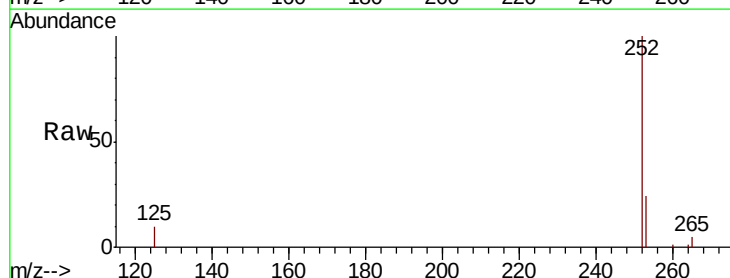
Tgt Ion:252 Resp: 14376

Ion Ratio Lower Upper

252 100

253 24.0 19.0 28.6

125 10.2 9.1 13.7

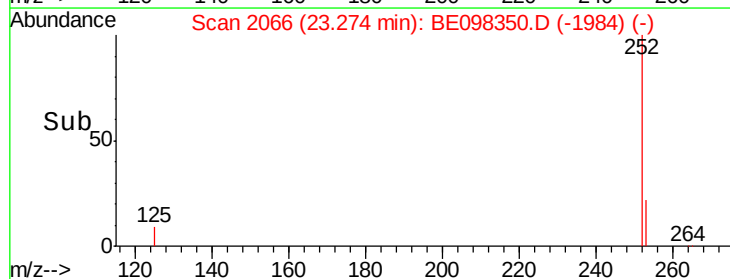
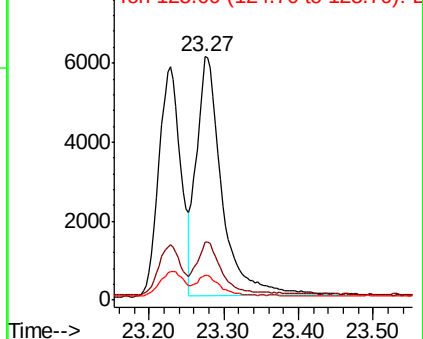


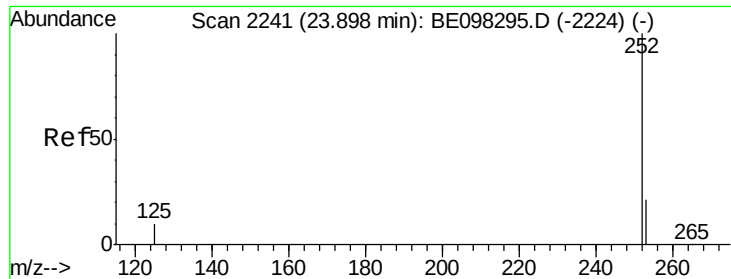
Abundance

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: 0.373 ng

RT: 23.89 min Scan# 2240

Delta R.T. -0.00 min

Lab File: BE098350.D

Acq: 12 Dec 2018 1:43

Instrument :

BNA_E

ClientSampleId :

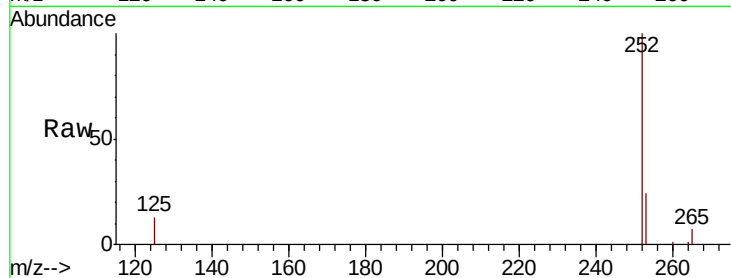
Tot Ion:252 Resp: 11976

Ion Ratio Lower Upper

252 100

253 24.5 20.6 30.8

125 12.6 10.5 15.7

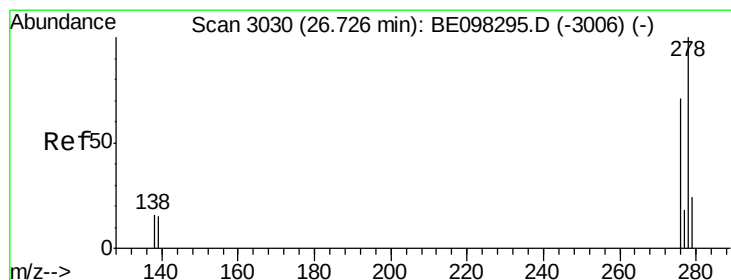
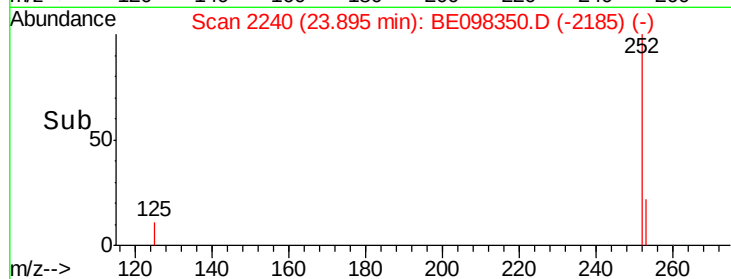
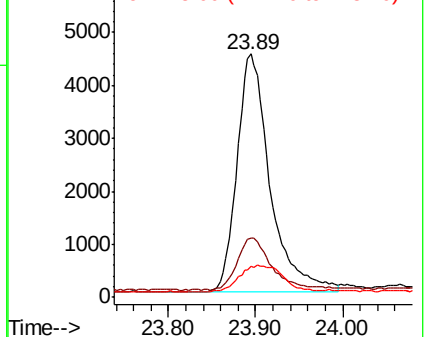


Abundance

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: 0.370 ng

RT: 26.72 min Scan# 3028

Delta R.T. -0.01 min

Lab File: BE098350.D

Acq: 12 Dec 2018 1:43

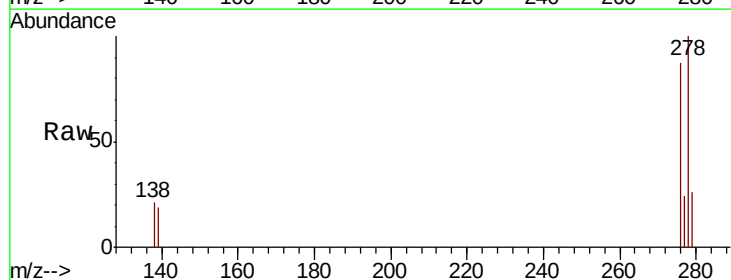
Tgt Ion:278 Resp: 11187

Ion Ratio Lower Upper

278 100

139 18.6 14.5 21.7

279 26.3 21.8 32.8

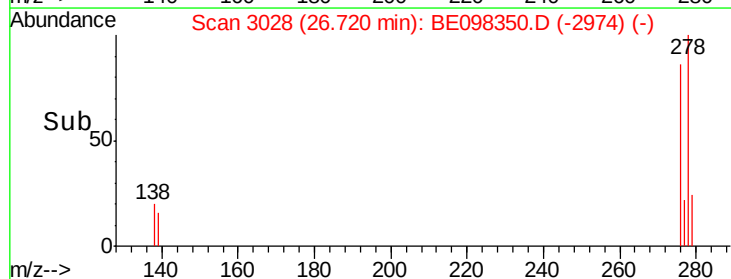
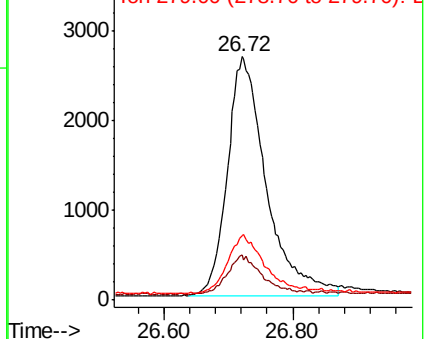


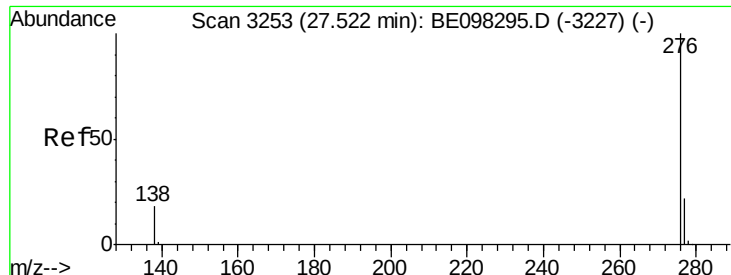
Abundance

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: 0.384 ng

RT: 27.52 min Scan# 3252

Delta R.T. -0.00 min

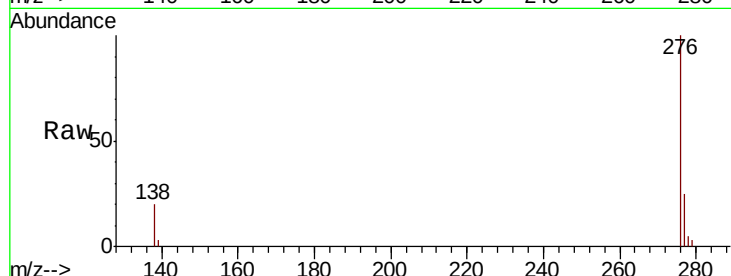
Lab File: BE098350.D

Acq: 12 Dec 2018 1:43

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 11693

Ion Ratio Lower Upper

276 100

277 25.5 20.8 31.2

138 19.8 15.8 23.6

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

