

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121118\
 Data File : BE098360.D
 Acq On : 12 Dec 2018 13:38
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Dec 12 17:37:46 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	7.87	152	2061	0.40	ng	0.00
7) Naphthalene-d8	10.68	136	8583	0.40	ng	0.01
13) Acenaphthene-d10	14.53	164	5133	0.40	ng	0.00
19) Phenanthrene-d10	17.28	188	13448	0.40	ng	0.00
27) Chrysene-d12	21.46	240	16503	0.40	ng	0.00
34) Perylene-d12	24.01	264	15723	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.45	112	1978	0.41	ng	0.00
5) Phenol-d6	7.05	99	2773	0.41	ng	0.00
8) Nitrobenzene-d5	9.04	82	3480	0.45	ng	0.03
11) 2-Methylnaphthalene-d10	12.28	152	5241	0.38	ng	0.01
14) 2,4,6-Tribromophenol	16.03	330	742	0.39	ng	0.01
15) 2-Fluorobiphenyl	13.16	172	8417	0.39	ng	0.01
25) Fluoranthene-d10	19.31	212	67199	0.39	ng	0.00
29) Terphenyl-d14	19.91	244	13439	0.34	ng	0.00

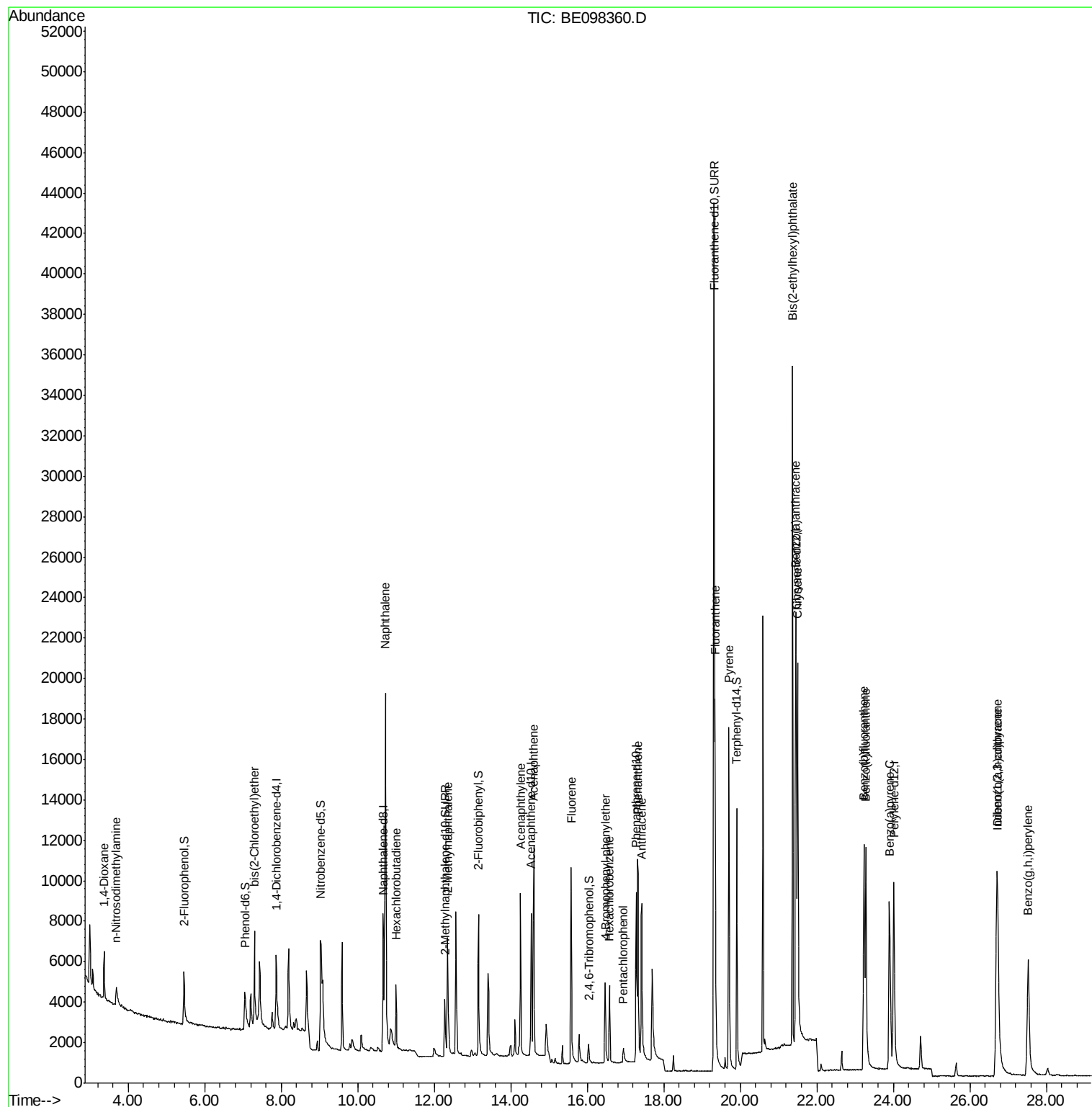
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.37	88	1421	0.399	ng	96
3) n-Nitrosodimethylamine	3.69	42	1142	0.356	ng	# 100
6) bis(2-Chloroethyl)ether	7.30	93	2315	0.357	ng	98
9) Naphthalene	10.72	128	33698	0.390	ng	99
10) Hexachlorobutadiene	11.00	225	2211	0.402	ng	98
12) 2-Methylnaphthalene	12.35	142	5249	0.374	ng	99
16) Acenaphthylene	14.25	152	9261	0.385	ng	99
17) Acenaphthene	14.60	154	5612	0.389	ng	99
18) Fluorene	15.58	166	7289	0.377	ng	100
20) 4-Bromophenyl-phenylether	16.48	248	2774	0.383	ng	# 76
21) Hexachlorobenzene	16.58	284	3082	0.396	ng	96
22) Pentachlorophenol	16.94	266	599	0.467	ng	98
23) Phenanthrene	17.32	178	12720	0.389	ng	99
24) Anthracene	17.42	178	10754	0.369	ng	100
26) Fluoranthene	19.34	202	16880	0.390	ng	99
28) Pyrene	19.70	202	17975	0.347	ng	99
30) Benzo(a)anthracene	21.45	228	17034	0.362	ng	100
31) Chrysene	21.50	228	19033	0.387	ng	97
32) Bis(2-ethylhexyl)phthalate	21.37	149	35461	0.372	ng	99
33) Indeno(1,2,3-cd)pyrene	26.70	276	19245	0.393	ng	97
35) Benzo(b)fluoranthene	23.23	252	16376	0.381	ng	96
36) Benzo(k)fluoranthene	23.28	252	20124	0.402	ng	97
37) Benzo(a)pyrene	23.90	252	17191	0.387	ng	97
38) Dibenzo(a,h)anthracene	26.72	278	16182	0.387	ng	96
39) Benzo(g,h,i)perylene	27.53	276	16031	0.381	ng	99

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121118\
Data File : BE098360.D
Acq On : 12 Dec 2018 13:38
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :

Quant Time: Dec 12 17:37:46 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



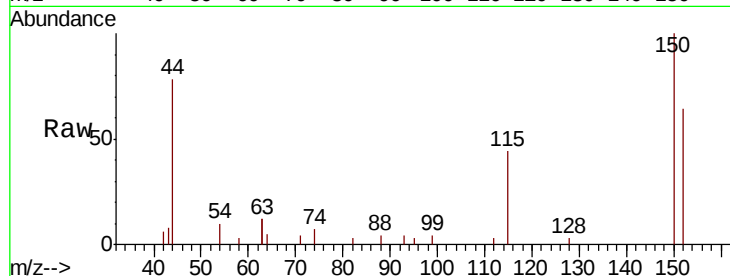


#1

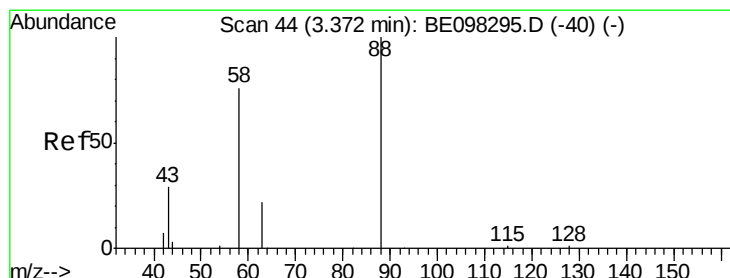
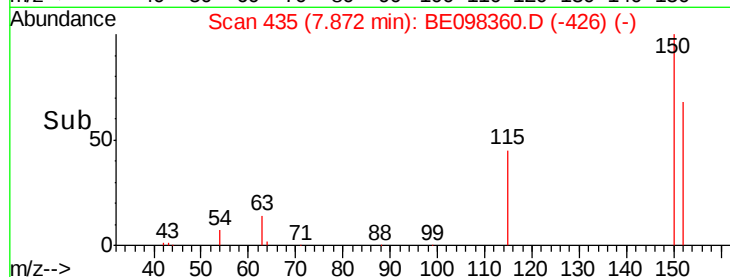
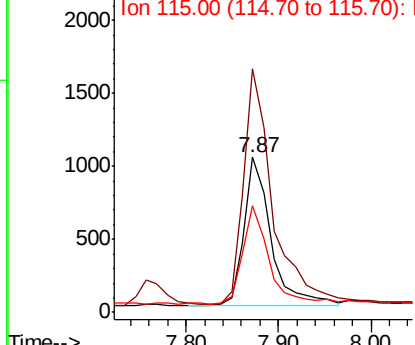
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.87 min Scan# 435
Delta R.T. 0.01 min
Lab File: BE098360.D
Acq: 12 Dec 2018 13:38

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 2061
Ion Ratio Lower Upper
152 100
150 157.1 124.2 186.4
115 68.9 53.9 80.9



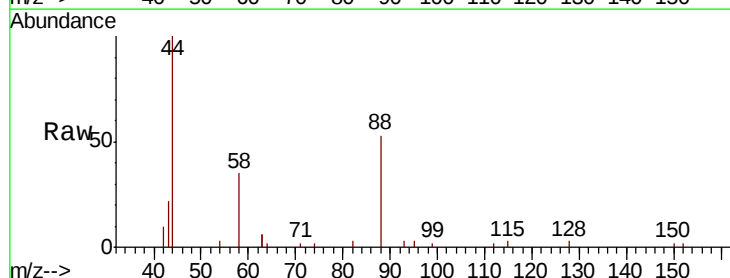
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



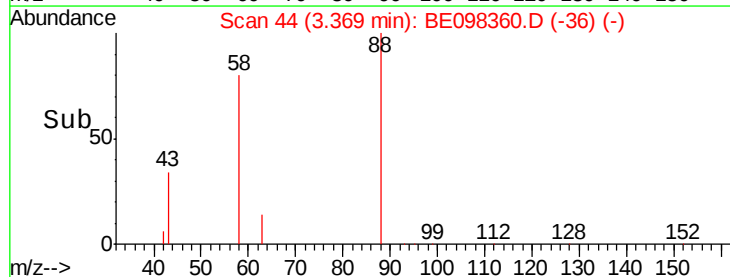
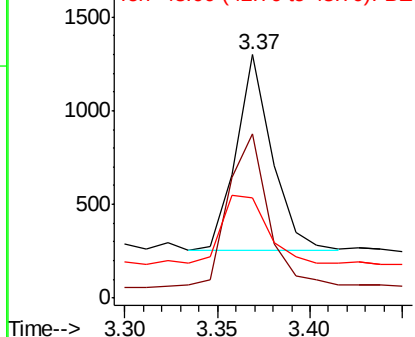
#2

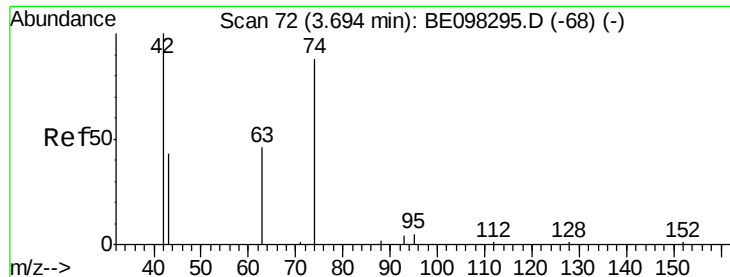
1,4-Dioxane
Concen: 0.399 ng
RT: 3.37 min Scan# 44
Delta R.T. -0.00 min
Lab File: BE098360.D
Acq: 12 Dec 2018 13:38

Tgt Ion: 88 Resp: 1421
Ion Ratio Lower Upper
88 100
58 89.5 75.0 112.6
43 46.0 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: 0.356 ng

RT: 3.69 min Scan# 72

Delta R.T. -0.00 min

Lab File: BE098360.D

Acq: 12 Dec 2018 13:38

Instrument :

BNA_E

ClientSampleId :

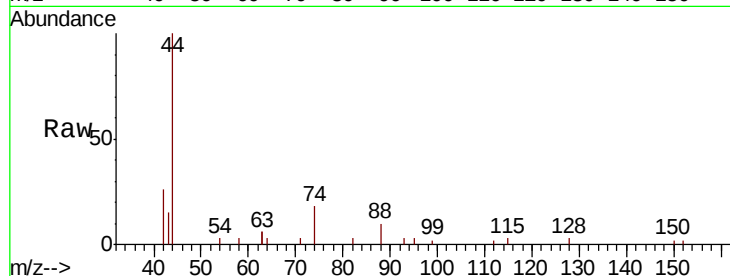
Tot Ion: 42 Resp: 1142

Ion Ratio Lower Upper

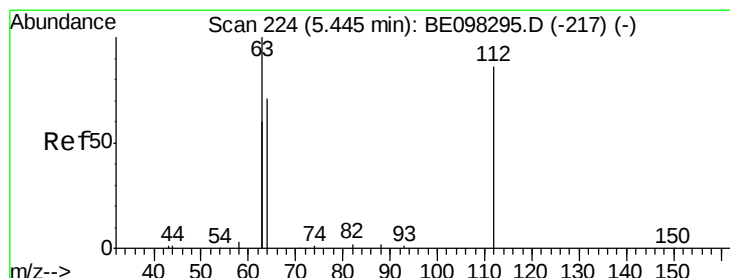
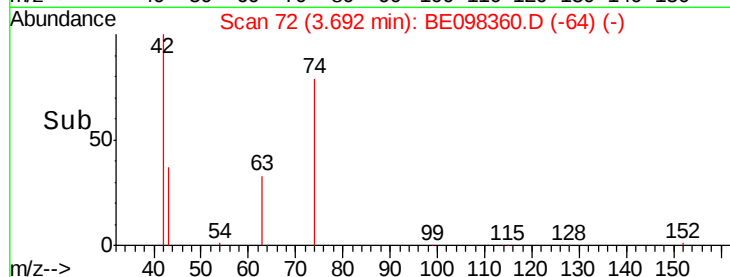
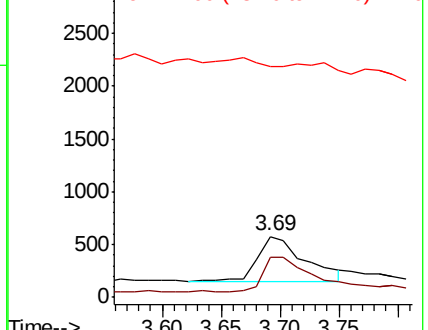
42 100

74 80.2 0.0 0.0#

44 0.0 0.0 0.0



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: 0.410 ng

RT: 5.45 min Scan# 225

Delta R.T. 0.01 min

Lab File: BE098360.D

Acq: 12 Dec 2018 13:38

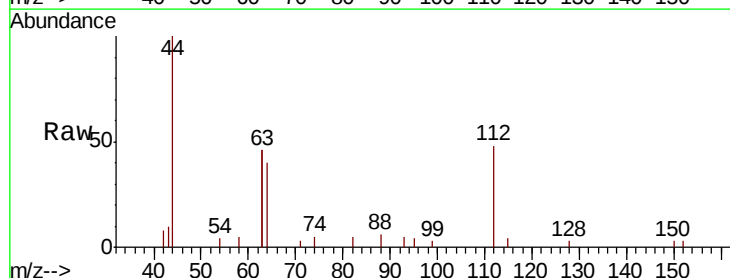
Tgt Ion: 112 Resp: 1978

Ion Ratio Lower Upper

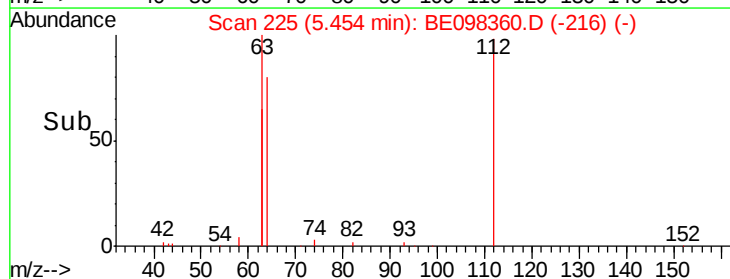
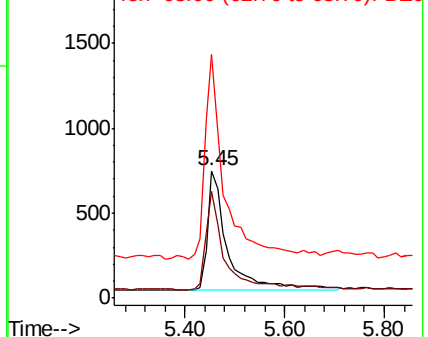
112 100

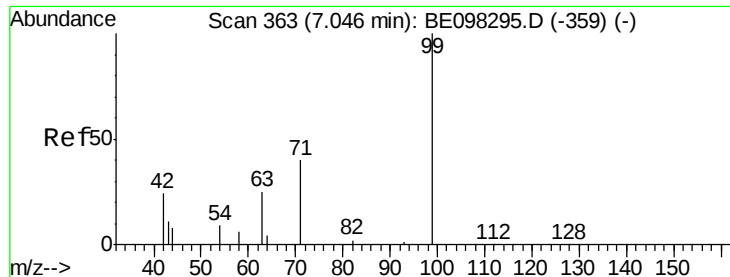
64 76.1 59.8 89.8

63 163.3 133.7 200.5



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: 0.406 ng

RT: 7.05 min Scan# 364

Delta R.T. 0.01 min

Lab File: BE098360.D

Acq: 12 Dec 2018 13:38

Instrument :

BNA_E

ClientSampled :

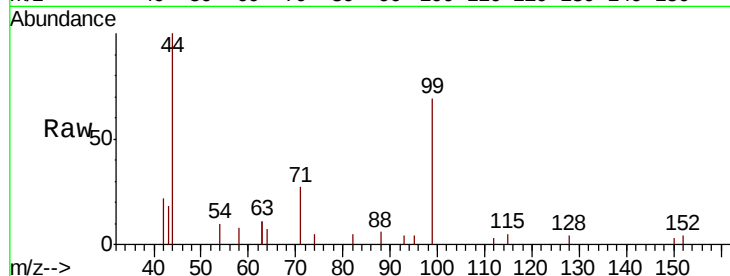
Tot Ion: 99 Resp: 2773

Ion Ratio Lower Upper

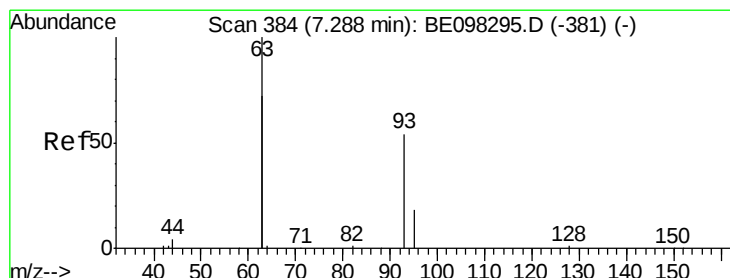
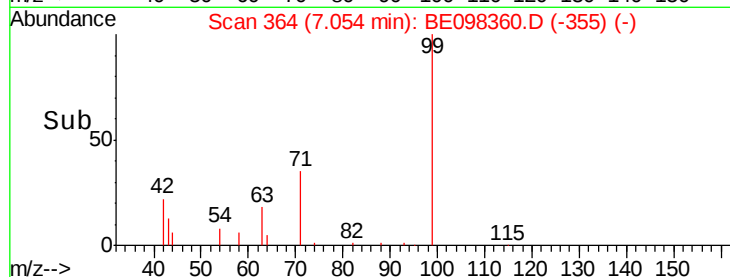
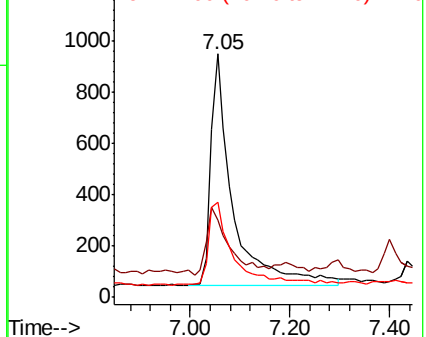
99 100

42 27.9 26.3 39.5

71 39.1 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: 0.357 ng

RT: 7.30 min Scan# 385

Delta R.T. 0.01 min

Lab File: BE098360.D

Acq: 12 Dec 2018 13:38

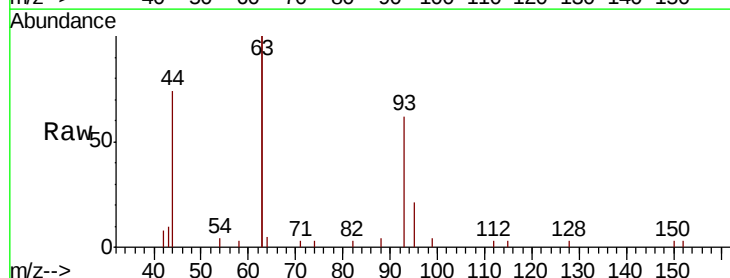
Tgt Ion: 93 Resp: 2315

Ion Ratio Lower Upper

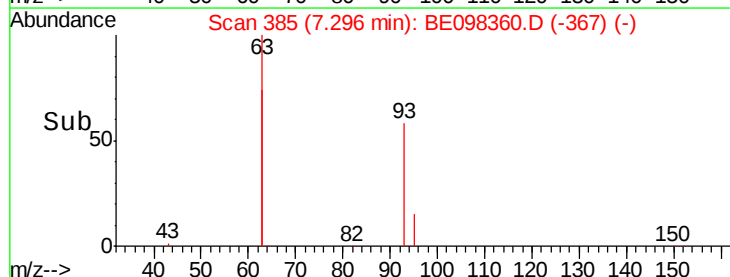
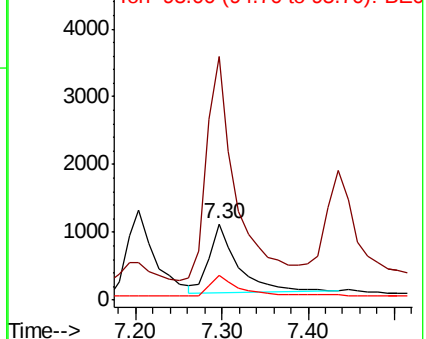
93 100

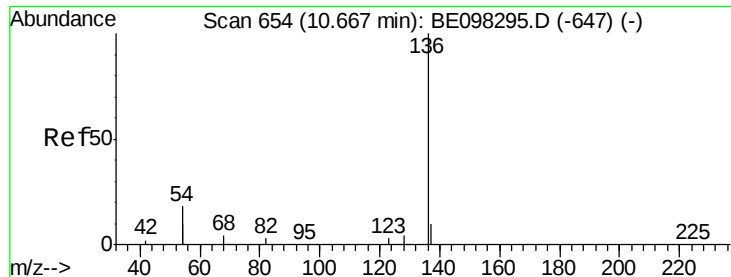
63 334.2 264.4 396.6

95 36.0 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: 10.68 min Scan# 656

Delta R.T. 0.01 min

Lab File: BE098360.D

Acq: 12 Dec 2018 13:38

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 8583

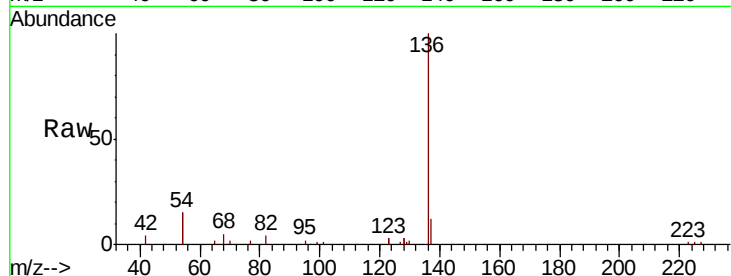
Ion Ratio Lower Upper

136 100

137 11.6 9.2 13.8

54 30.3 28.4 42.6

68 5.4 5.4 8.0

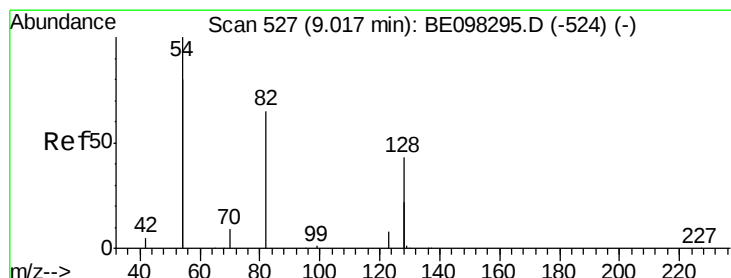
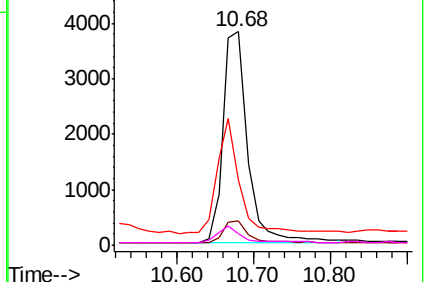
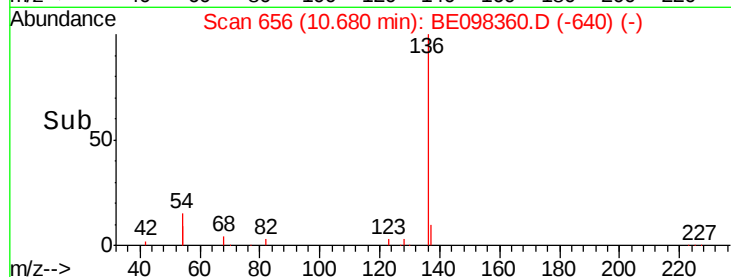


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.445 ng

RT: 9.04 min Scan# 530

Delta R.T. 0.03 min

Lab File: BE098360.D

Acq: 12 Dec 2018 13:38

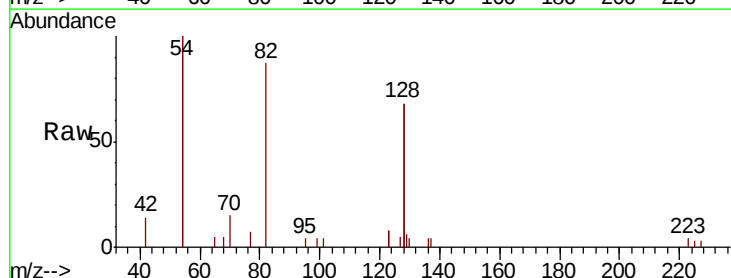
Tgt Ion: 82 Resp: 3480

Ion Ratio Lower Upper

82 100

128 156.1 102.4 153.6#

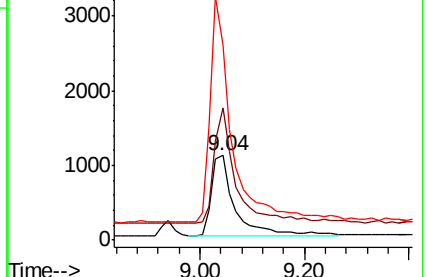
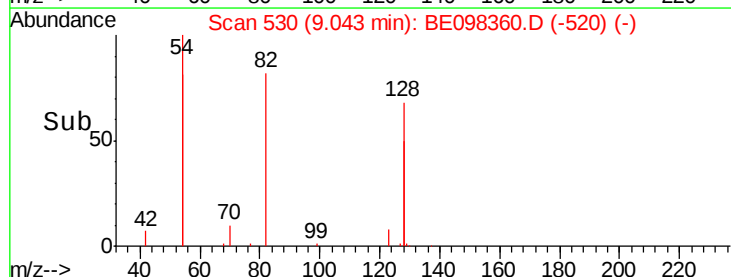
54 229.6 221.8 332.8

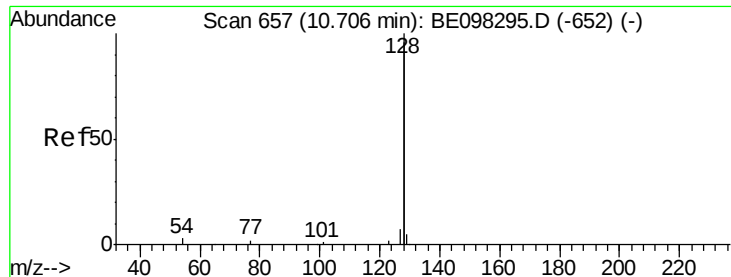


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.390 ng

RT: 10.72 min Scan# 659

Delta R.T. 0.01 min

Lab File: BE098360.D

Acq: 12 Dec 2018 13:38

Instrument :

BNA_E

ClientSampleId :

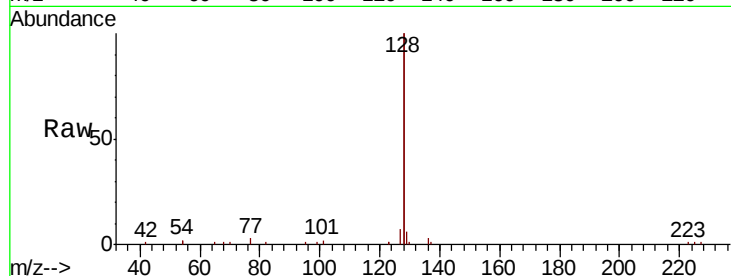
Tot Ion:128 Resp: 33698

Ion Ratio Lower Upper

128 100

129 2.8 2.5 3.7

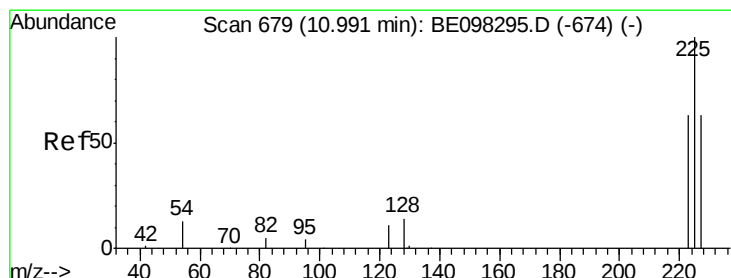
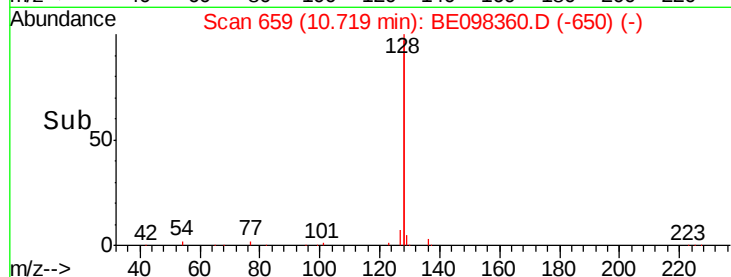
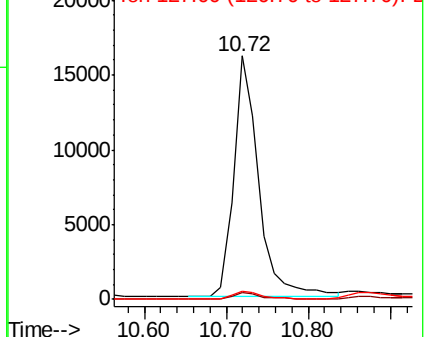
127 3.6 2.7 4.1



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: 0.402 ng

RT: 11.00 min Scan# 681

Delta R.T. 0.01 min

Lab File: BE098360.D

Acq: 12 Dec 2018 13:38

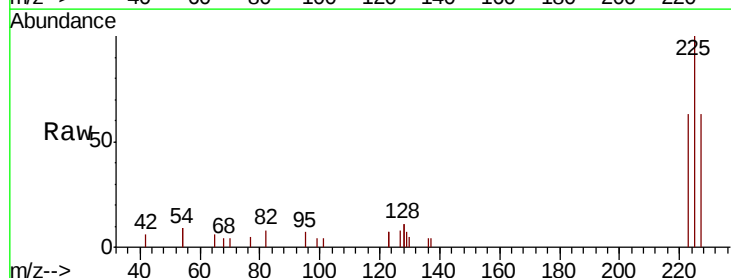
Tgt Ion:225 Resp: 2211

Ion Ratio Lower Upper

225 100

223 62.6 49.4 74.0

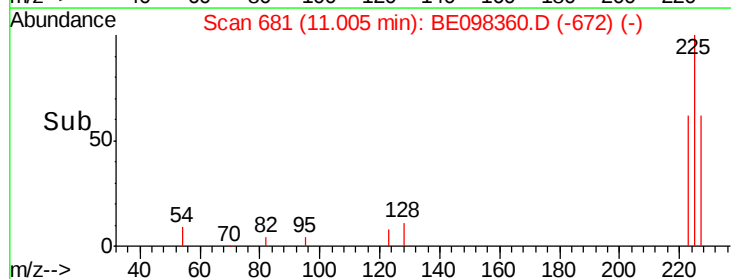
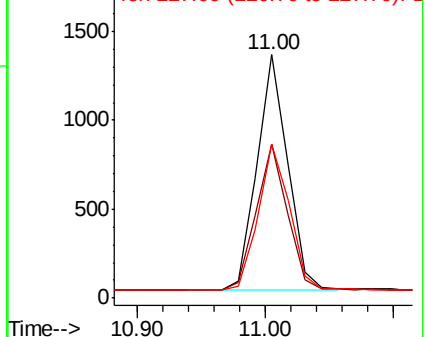
227 63.4 52.0 78.0

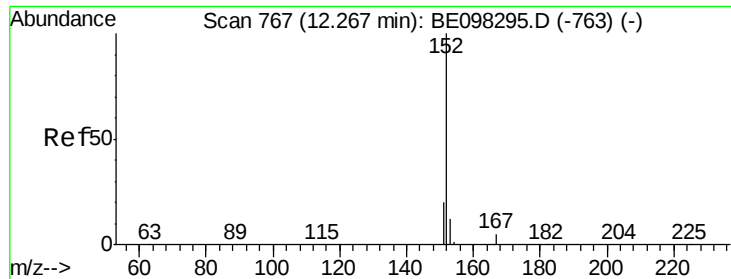


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

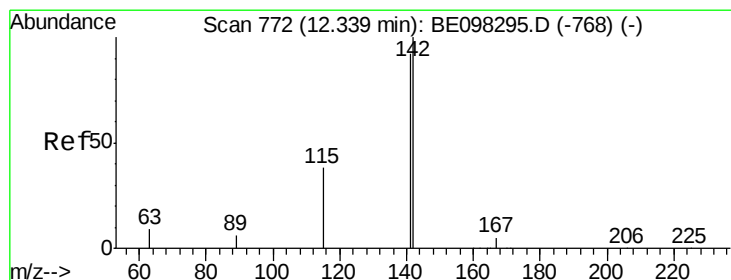
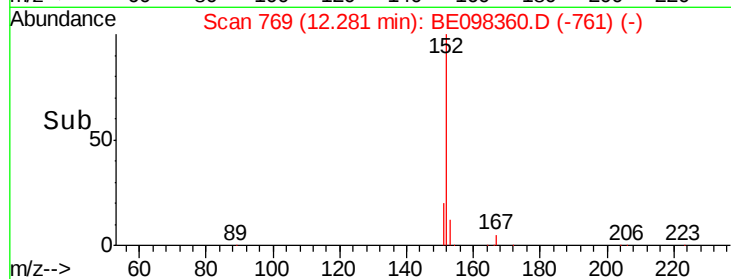
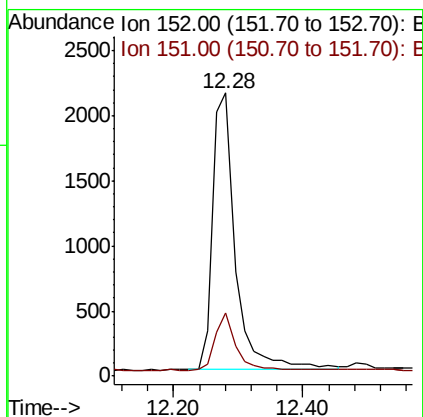
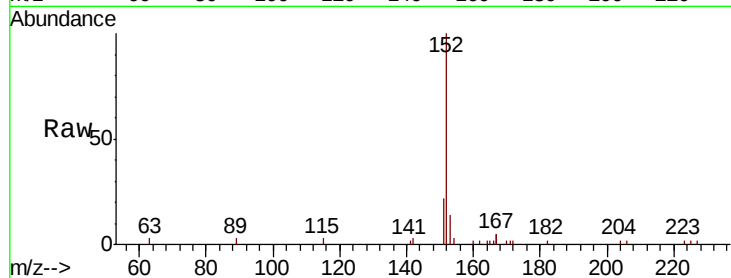




#11
2-Methylnaphthalene-d10
Concen: 0.376 ng
RT: 12.28 min Scan# 769
Delta R.T. 0.01 min
Lab File: BE098360.D
Acq: 12 Dec 2018 13:38

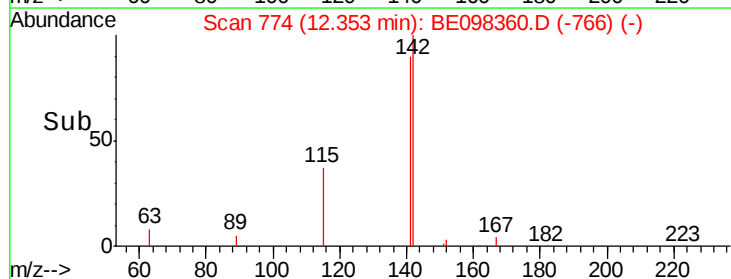
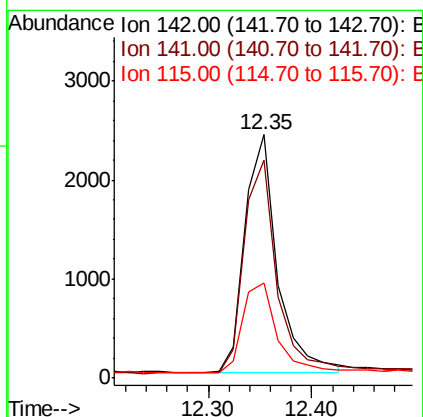
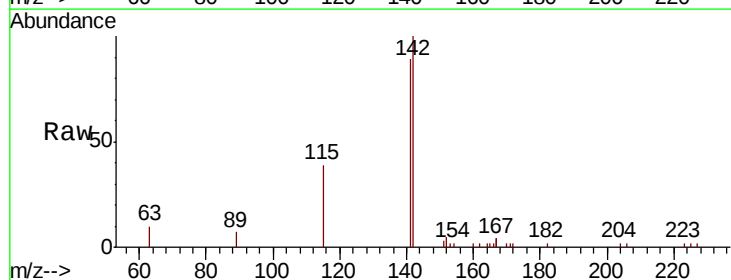
Instrument :
BNA_E
ClientSampled :

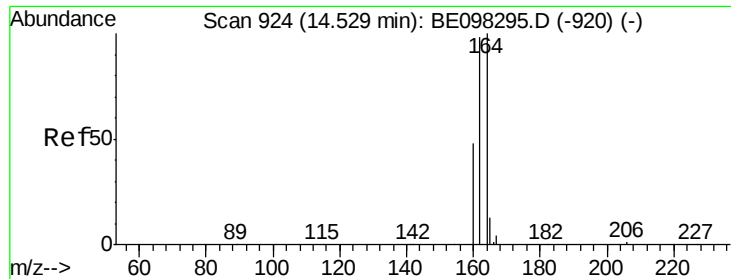
Tot Ion:152 Resp: 5241
Ion Ratio Lower Upper
152 100
151 18.5 16.2 24.4



#12
2-Methylnaphthalene
Concen: 0.374 ng
RT: 12.35 min Scan# 774
Delta R.T. 0.01 min
Lab File: BE098360.D
Acq: 12 Dec 2018 13:38

Tgt Ion:142 Resp: 5249
Ion Ratio Lower Upper
142 100
141 89.3 71.0 106.6
115 38.9 32.2 48.2

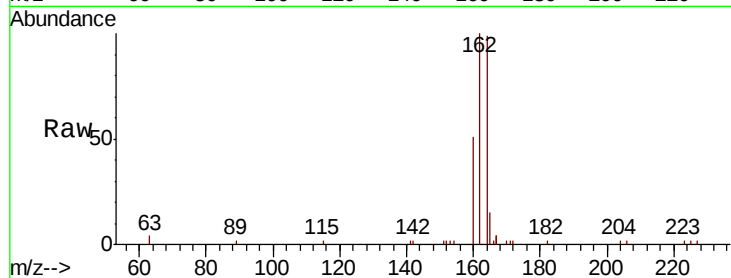




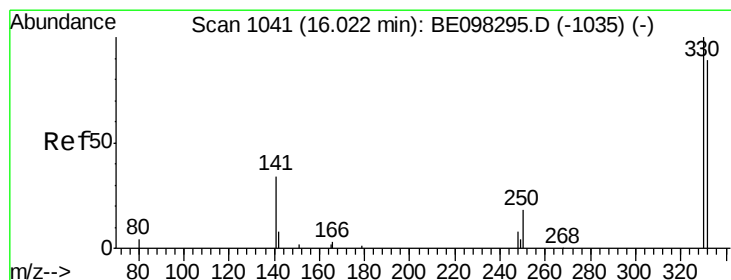
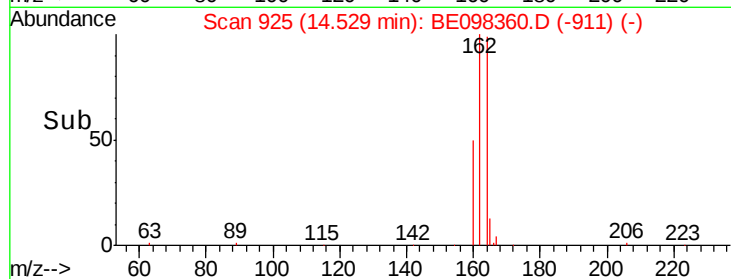
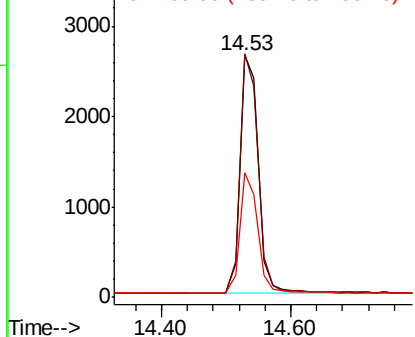
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.53 min Scan# 925
 Delta R.T. -0.00 min
 Lab File: BE098360.D
 Acq: 12 Dec 2018 13:38

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:164 Resp: 5133
 Ion Ratio Lower Upper
 164 100
 162 100.6 77.6 116.4
 160 51.3 36.0 54.0

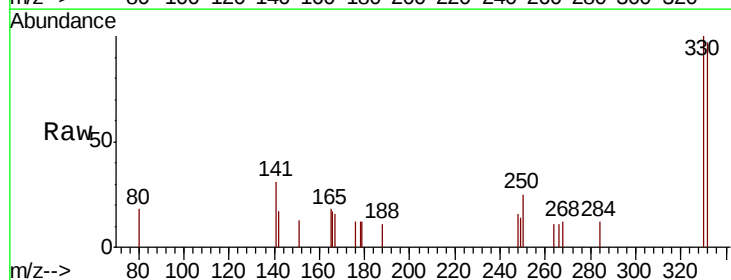


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

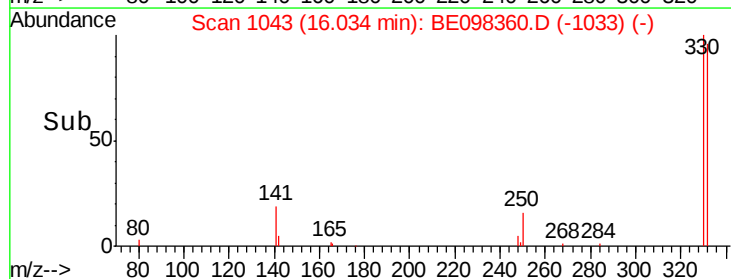
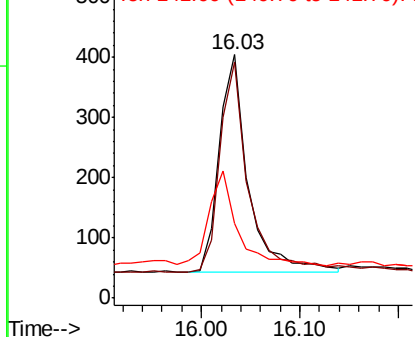


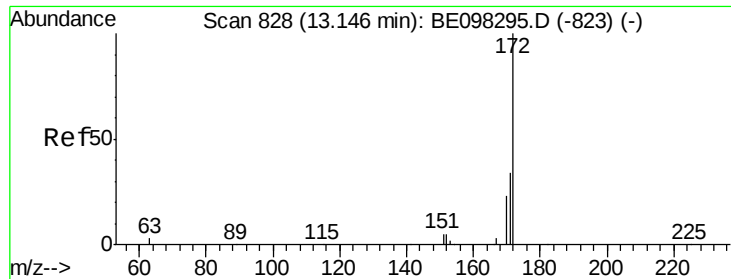
#14
 2,4,6-Tribromophenol
 Concen: 0.394 ng
 RT: 16.03 min Scan# 1043
 Delta R.T. 0.01 min
 Lab File: BE098360.D
 Acq: 12 Dec 2018 13:38

Tgt Ion:330 Resp: 742
 Ion Ratio Lower Upper
 330 100
 332 95.4 76.2 114.4
 141 42.3 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

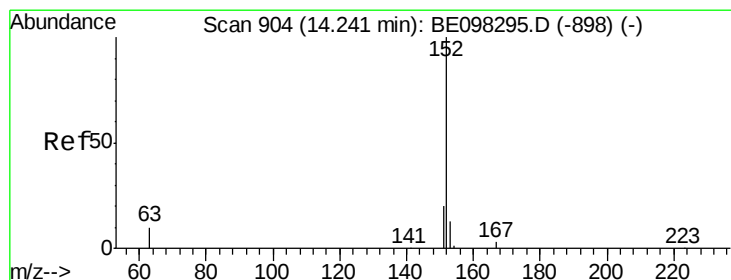
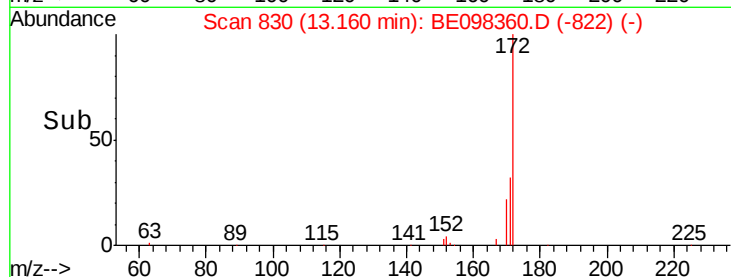
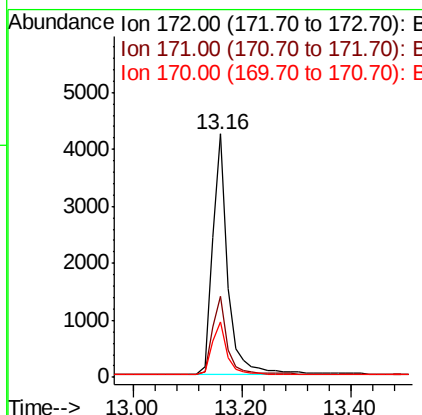
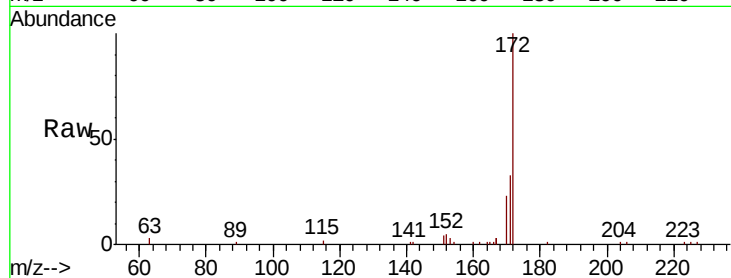




#15
2-Fluorobiphenyl
Concen: 0.389 ng
RT: 13.16 min Scan# 830
Delta R.T. 0.01 min
Lab File: BE098360.D
Acq: 12 Dec 2018 13:38

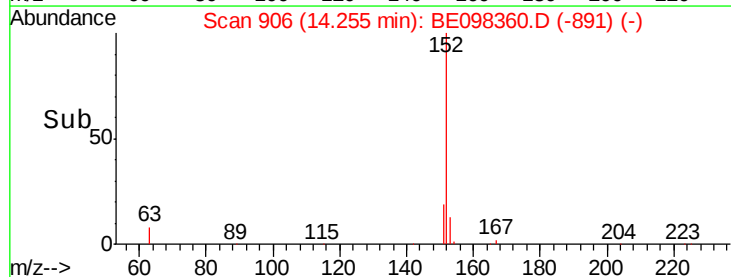
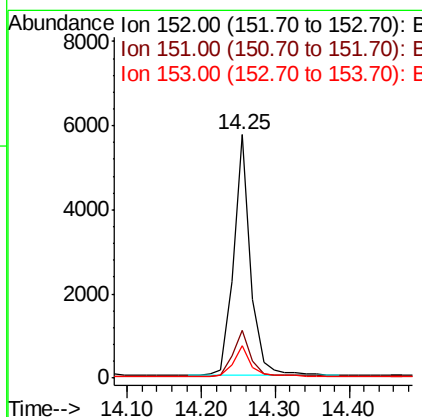
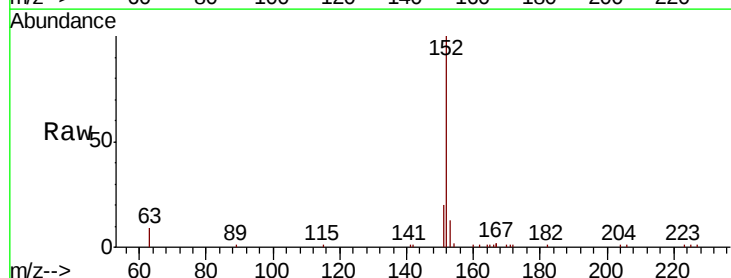
Instrument :
BNA_E
ClientSampled :

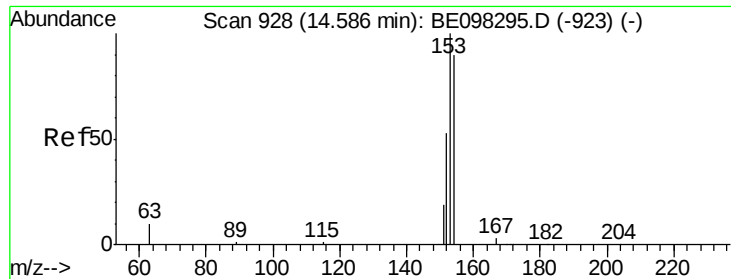
Tot Ion:172 Resp: 8417
Ion Ratio Lower Upper
172 100
171 33.2 27.5 41.3
170 22.9 19.6 29.4



#16
Acenaphthylene
Concen: 0.385 ng
RT: 14.25 min Scan# 906
Delta R.T. 0.01 min
Lab File: BE098360.D
Acq: 12 Dec 2018 13:38

Tgt Ion:152 Resp: 9261
Ion Ratio Lower Upper
152 100
151 19.4 15.5 23.3
153 12.6 10.6 16.0





#17

Acenaphthene

Concen: 0.389 ng

RT: 14.60 min Scan# 930

Delta R.T. 0.01 min

Lab File: BE098360.D

Acq: 12 Dec 2018 13:38

Instrument :

BNA_E

ClientSampleId :

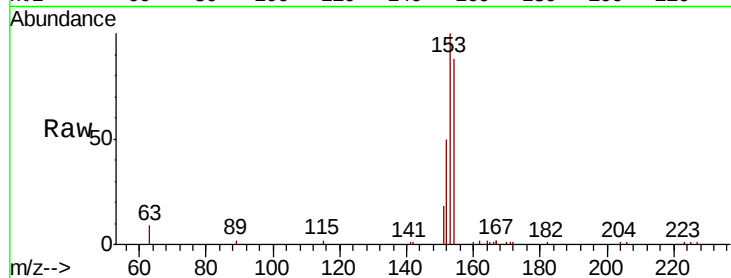
Tot Ion:154 Resp: 5612

Ion Ratio Lower Upper

154 100

153 115.2 91.8 137.6

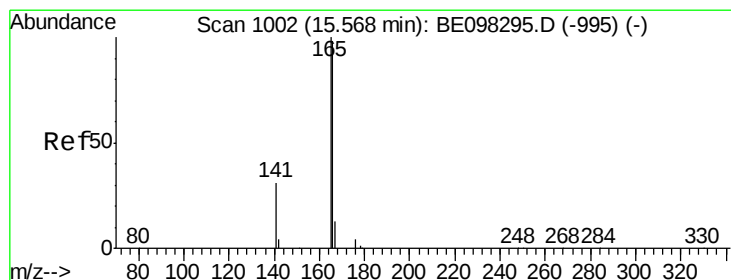
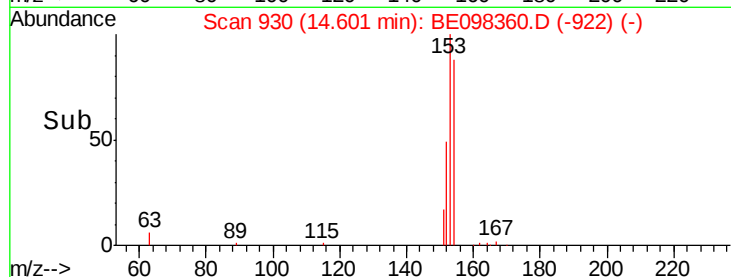
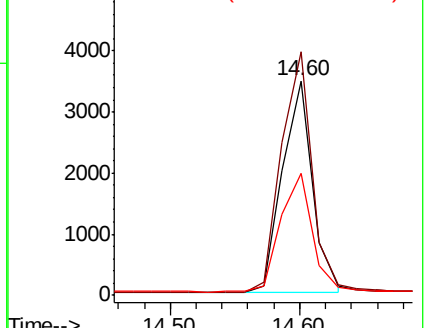
152 58.6 45.5 68.3



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: 0.377 ng

RT: 15.58 min Scan# 1004

Delta R.T. 0.01 min

Lab File: BE098360.D

Acq: 12 Dec 2018 13:38

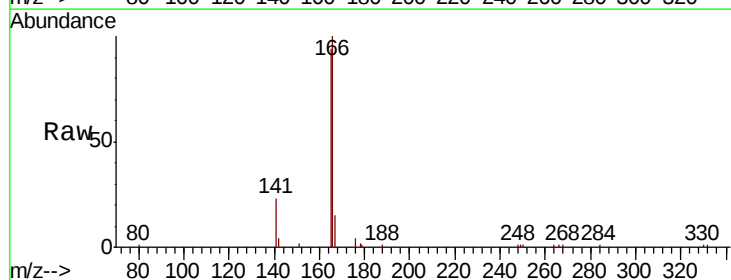
Tgt Ion:166 Resp: 7289

Ion Ratio Lower Upper

166 100

165 99.5 79.3 118.9

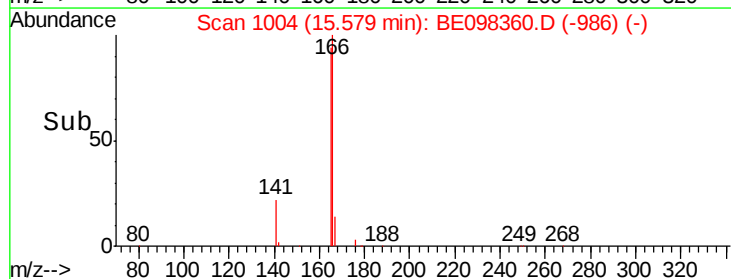
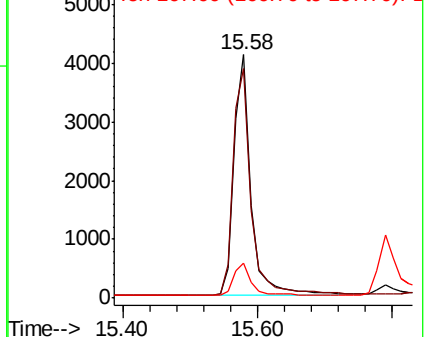
167 14.0 11.3 16.9

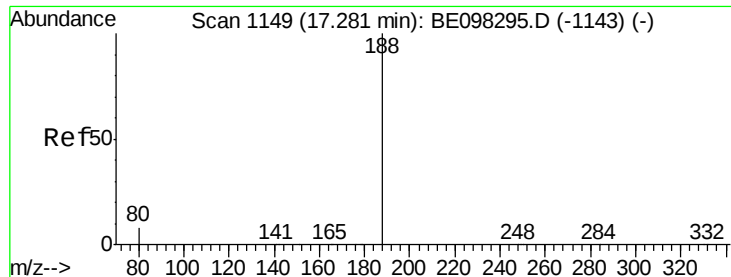


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.28 min Scan# 1150

Delta R.T. -0.00 min

Lab File: BE098360.D

Acq: 12 Dec 2018 13:38

Instrument :

BNA_E

ClientSampleId :

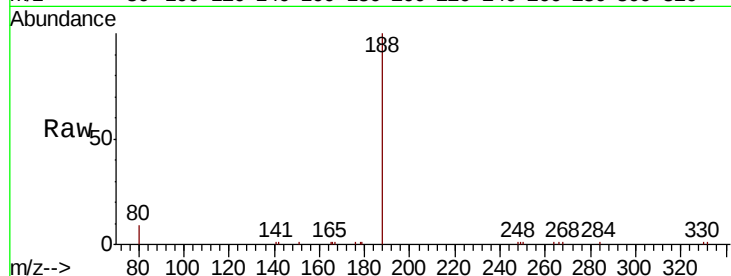
Tot Ion:188 Resp: 13448

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

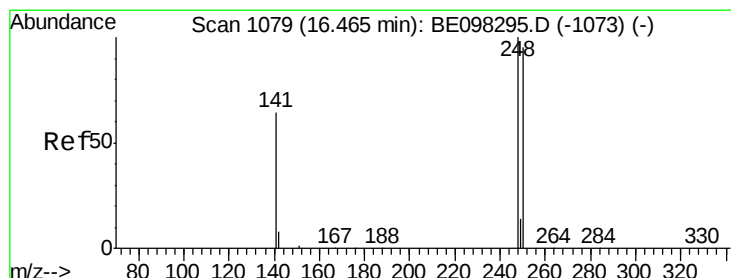
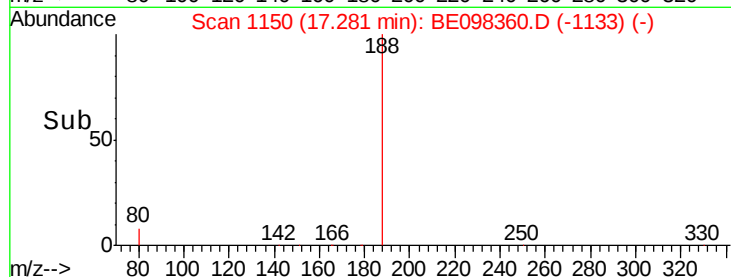
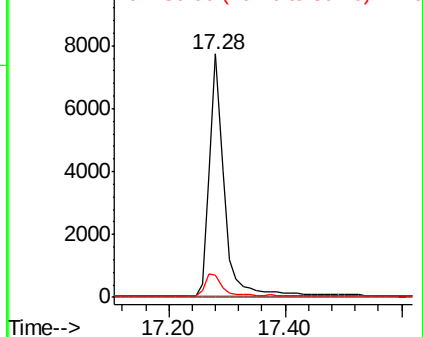
80 9.1 7.2 10.8



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: 0.383 ng

RT: 16.48 min Scan# 1081

Delta R.T. 0.01 min

Lab File: BE098360.D

Acq: 12 Dec 2018 13:38

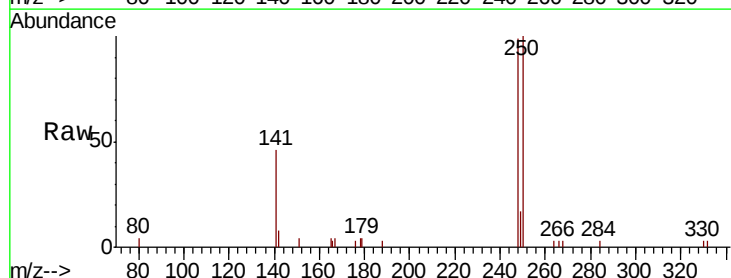
Tgt Ion:248 Resp: 2774

Ion Ratio Lower Upper

248 100

250 100.5 71.0 106.6

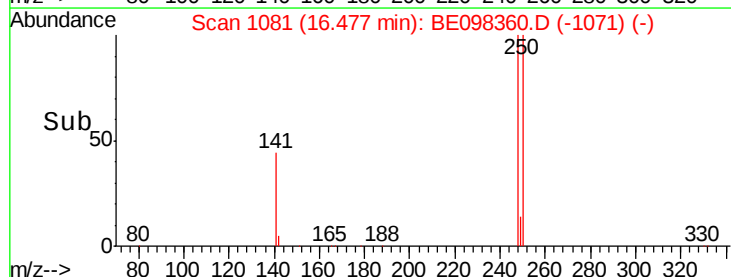
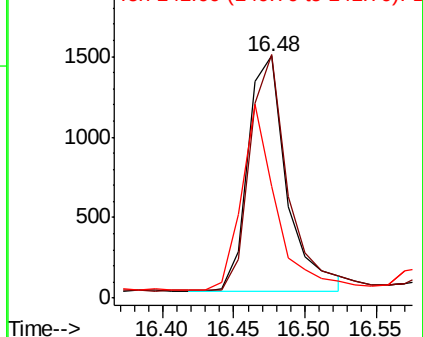
141 46.1 62.1 93.1#

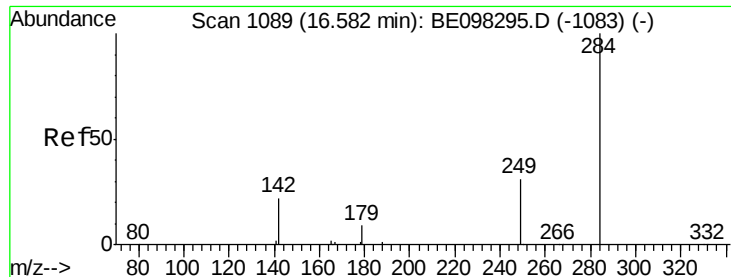


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.396 ng

RT: 16.58 min Scan# 1090

Delta R.T. -0.00 min

Lab File: BE098360.D

Acq: 12 Dec 2018 13:38

Instrument :

BNA_E

ClientSampled :

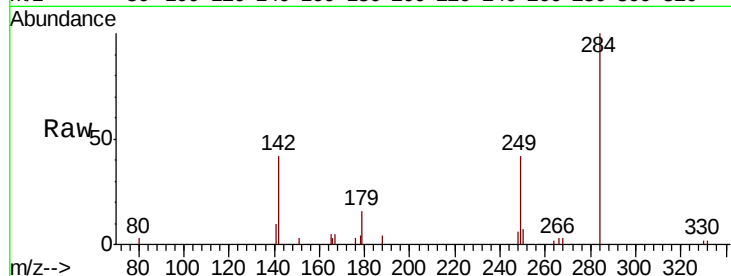
Tot Ion:284 Resp: 3082

Ion Ratio Lower Upper

284 100

142 35.5 26.3 39.5

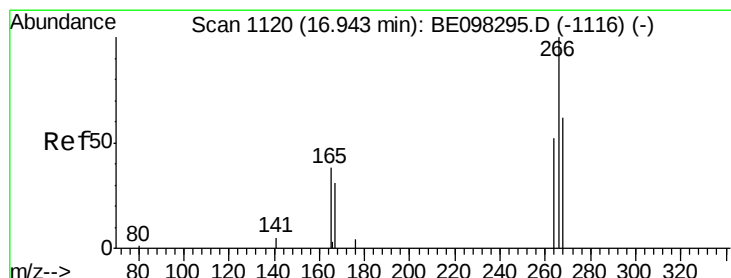
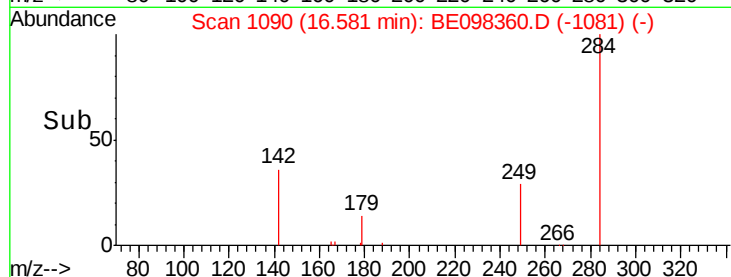
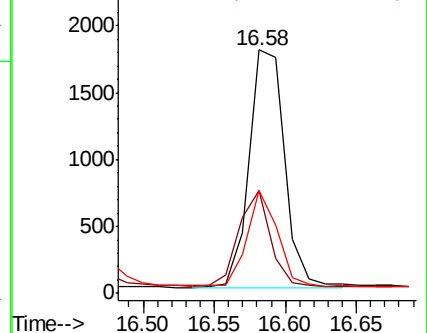
249 34.0 26.0 39.0



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# 1121

Delta R.T. 0.00 min

Lab File: BE098360.D

Acq: 12 Dec 2018 13:38

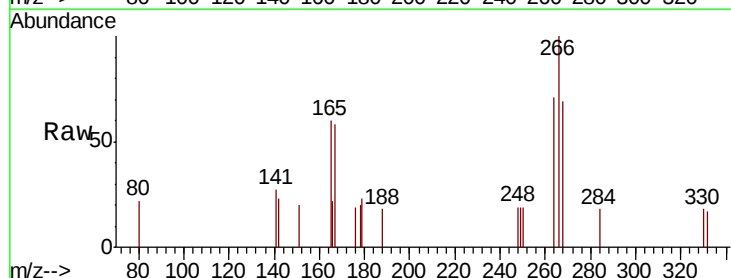
Tgt Ion:266 Resp: 599

Ion Ratio Lower Upper

266 100

264 70.7 59.0 88.4

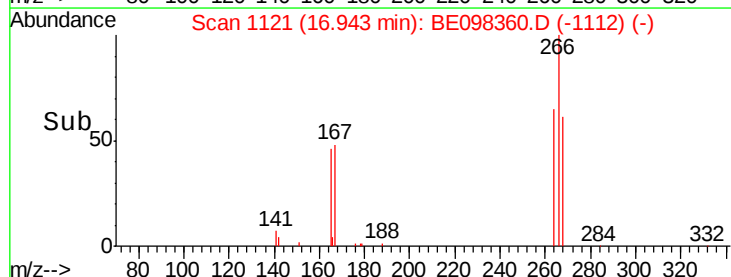
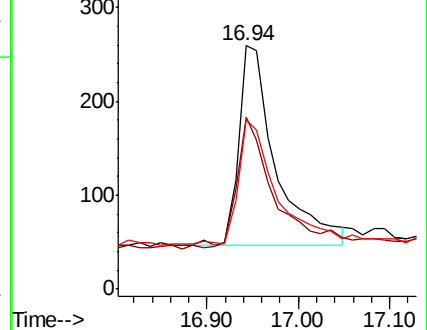
268 69.5 55.1 82.7

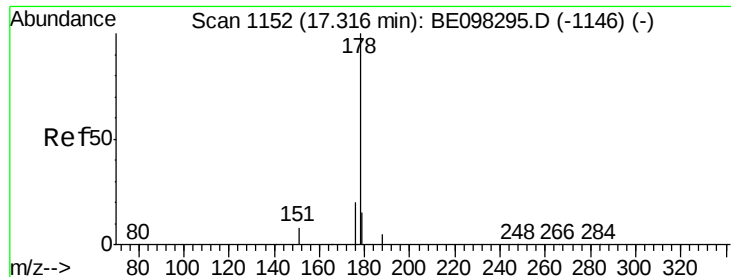


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.389 ng

RT: 17.32 min Scan# 1153

Delta R.T. -0.00 min

Lab File: BE098360.D

Acq: 12 Dec 2018 13:38

Instrument :

BNA_E

ClientSampleId :

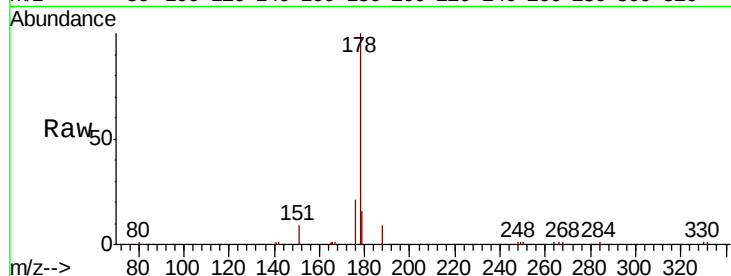
Tot Ion:178 Resp: 12720

Ion Ratio Lower Upper

178 100

176 19.3 15.9 23.9

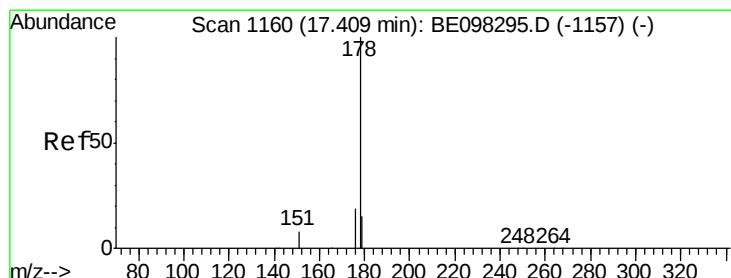
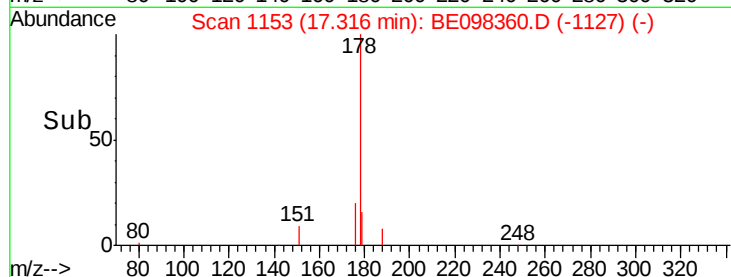
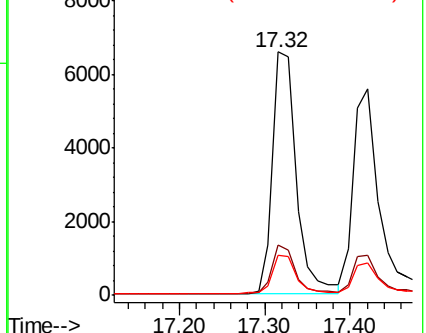
179 15.7 12.3 18.5



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: 0.369 ng

RT: 17.42 min Scan# 1162

Delta R.T. 0.01 min

Lab File: BE098360.D

Acq: 12 Dec 2018 13:38

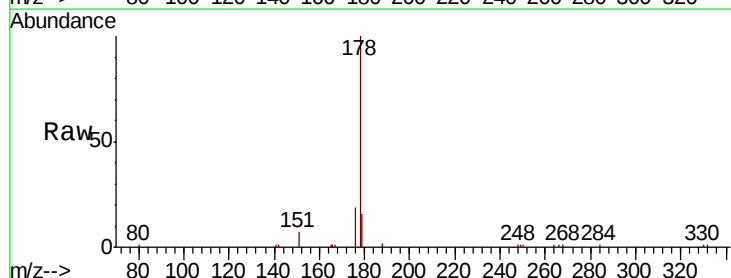
Tgt Ion:178 Resp: 10754

Ion Ratio Lower Upper

178 100

176 19.0 15.0 22.4

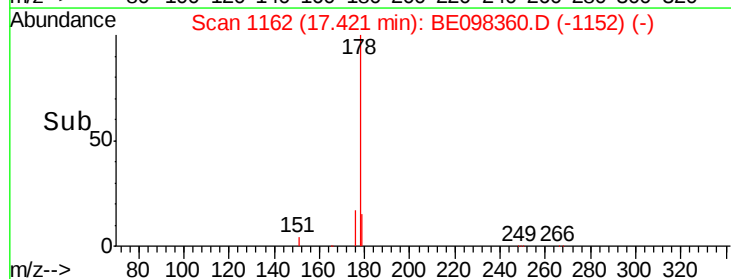
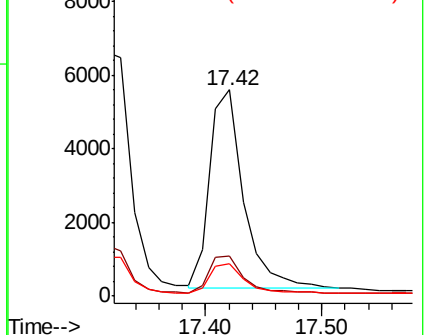
179 15.4 12.3 18.5

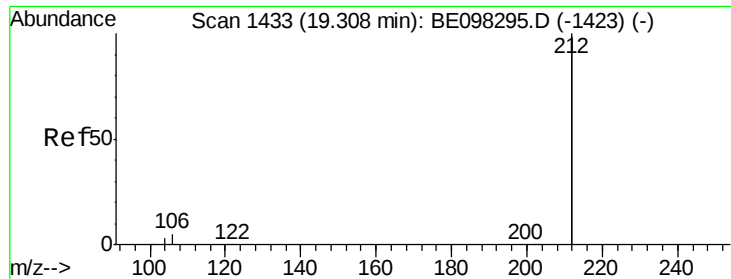


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

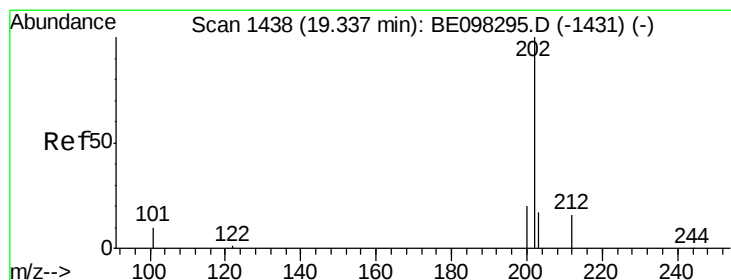
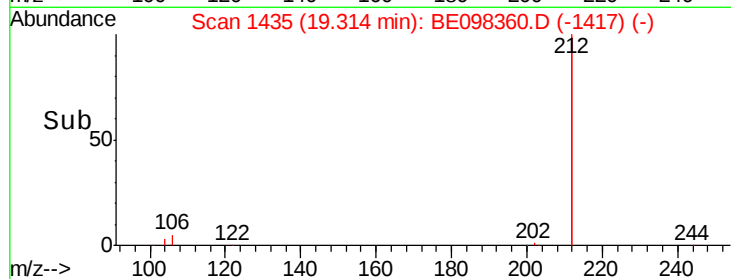
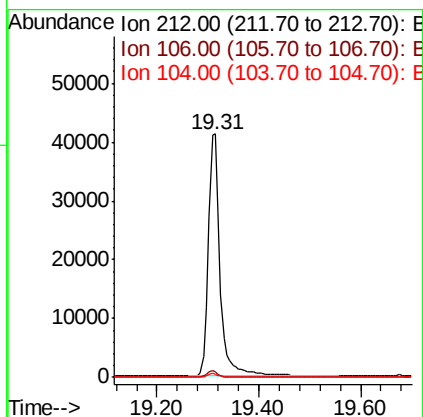
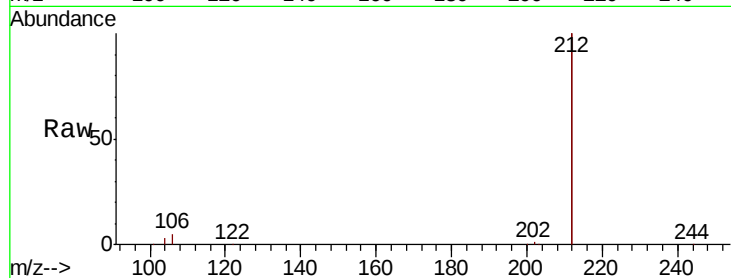




#25
 Fluoranthene-d10
 Concen: 0.390 ng
 RT: 19.31 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: BE098360.D
 Acq: 12 Dec 2018 13:38

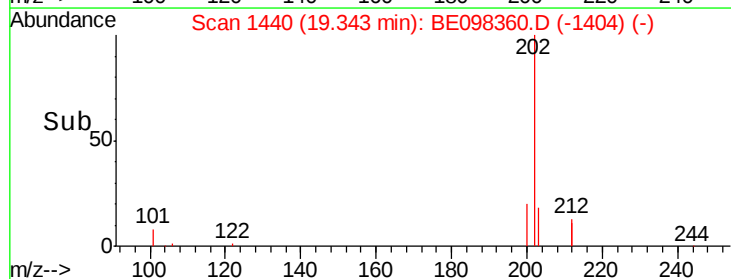
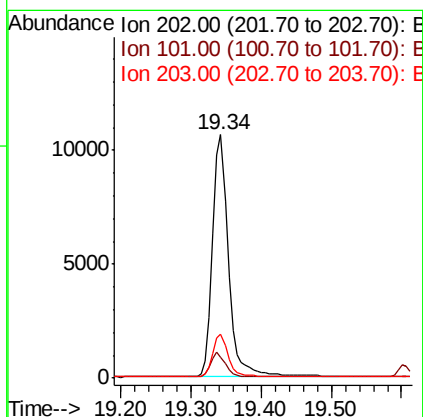
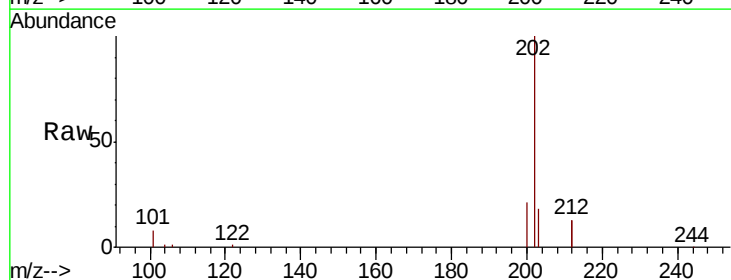
Instrument :
 BNA_E
 ClientSampleId :

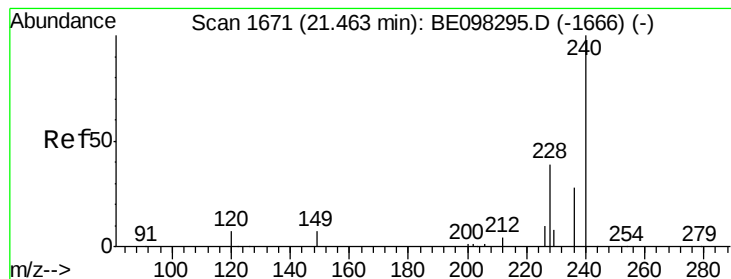
Tot Ion:212 Resp: 67199
 Ion Ratio Lower Upper
 212 100
 106 2.7 2.2 3.2
 104 1.5 1.3 1.9



#26
 Fluoranthene
 Concen: 0.390 ng
 RT: 19.34 min Scan# 1440
 Delta R.T. 0.01 min
 Lab File: BE098360.D
 Acq: 12 Dec 2018 13:38

Tgt Ion:202 Resp: 16880
 Ion Ratio Lower Upper
 202 100
 101 9.7 8.0 12.0
 203 16.7 13.8 20.6





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.46 min Scan# 1672

Delta R.T. -0.00 min

Lab File: BE098360.D

Acq: 12 Dec 2018 13:38

Instrument :

BNA_E

ClientSampleId :

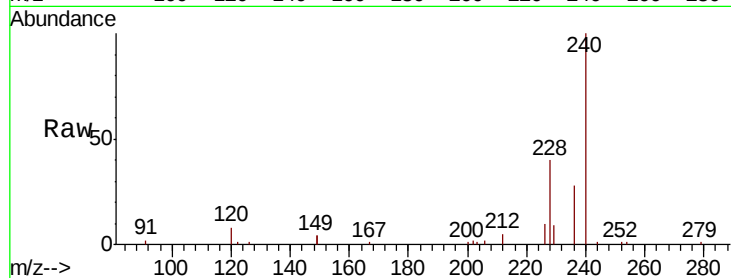
Tot Ion:240 Resp: 16503

Ion Ratio Lower Upper

240 100

120 8.4 9.5 14.3#

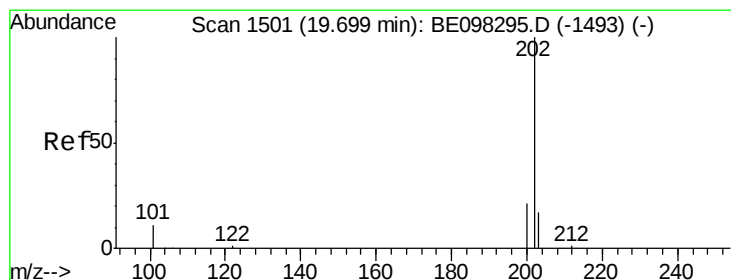
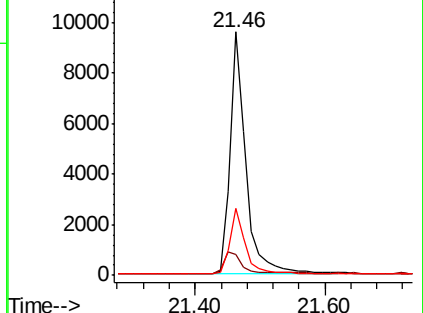
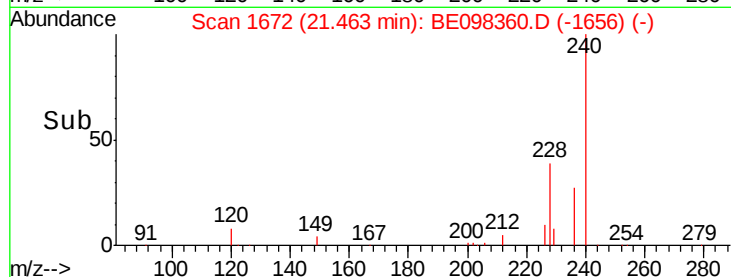
236 27.6 22.7 34.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.347 ng

RT: 19.70 min Scan# 1503

Delta R.T. 0.01 min

Lab File: BE098360.D

Acq: 12 Dec 2018 13:38

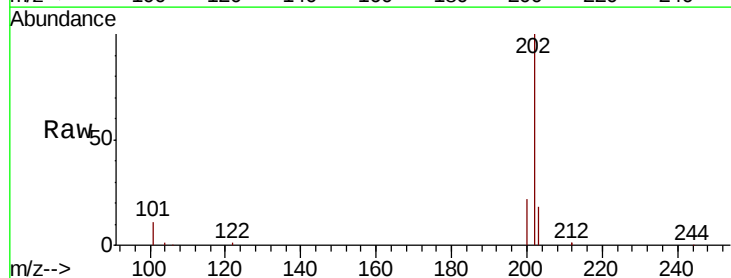
Tgt Ion:202 Resp: 17975

Ion Ratio Lower Upper

202 100

200 21.3 16.7 25.1

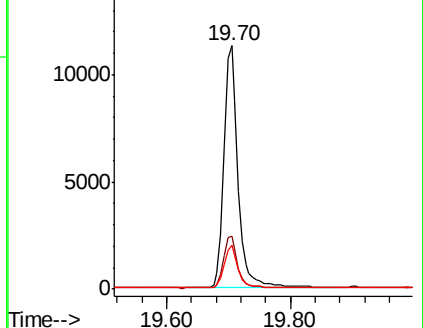
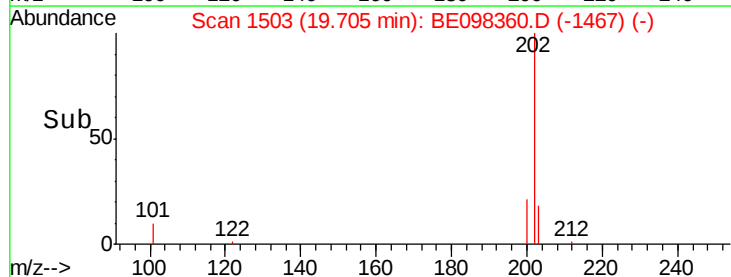
203 17.1 14.1 21.1

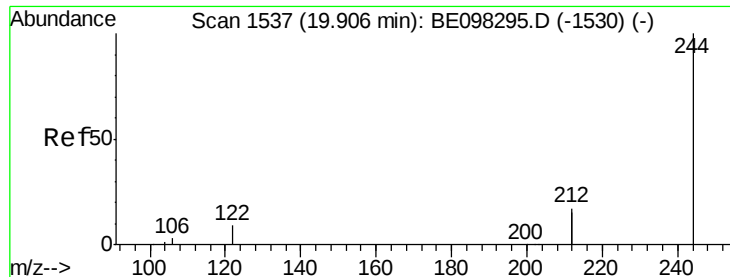


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.335 ng

RT: 19.91 min Scan# 1538

Delta R.T. -0.00 min

Lab File: BE098360.D

Acq: 12 Dec 2018 13:38

Instrument :

BNA_E

ClientSampleId :

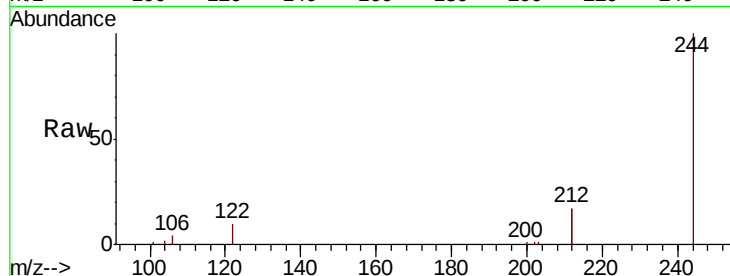
Tot Ion:244 Resp: 13439

Ion Ratio Lower Upper

244 100

212 34.0 27.4 41.0

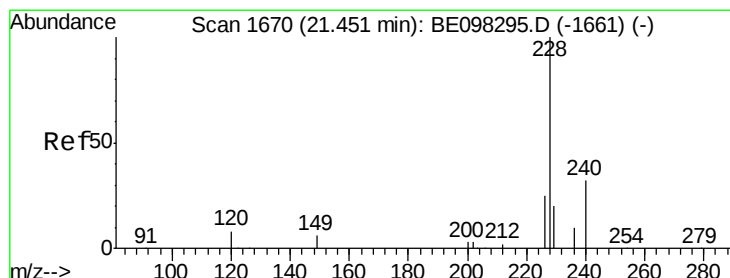
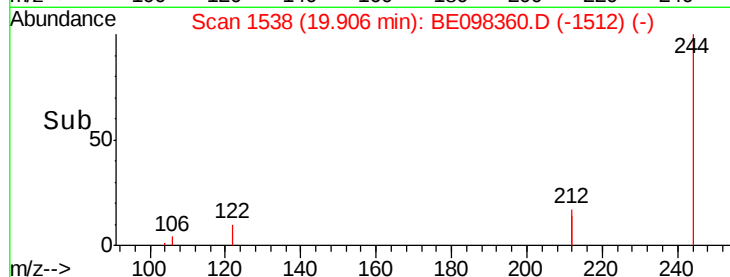
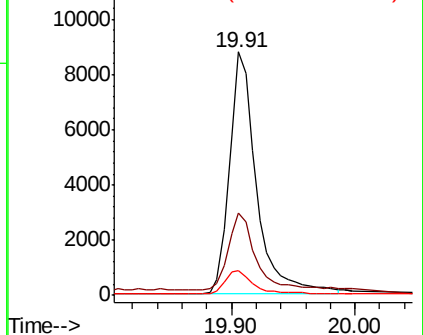
122 10.2 8.3 12.5



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: 0.362 ng

RT: 21.45 min Scan# 1671

Delta R.T. -0.00 min

Lab File: BE098360.D

Acq: 12 Dec 2018 13:38

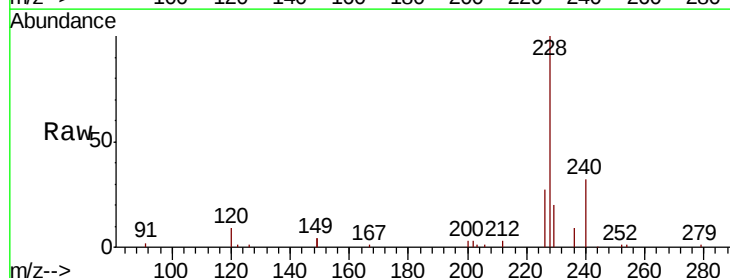
Tgt Ion:228 Resp: 17034

Ion Ratio Lower Upper

228 100

226 27.1 21.8 32.8

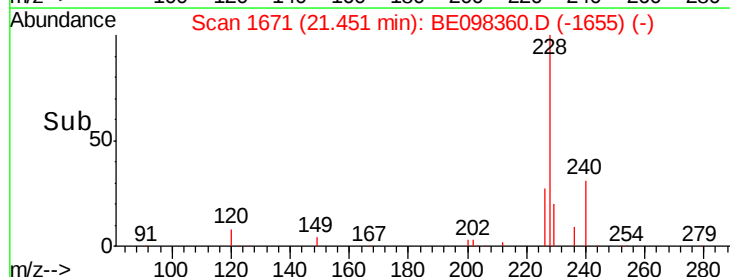
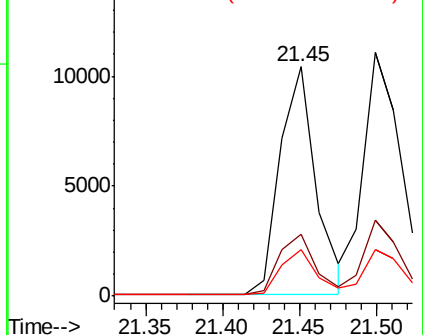
229 20.2 16.3 24.5

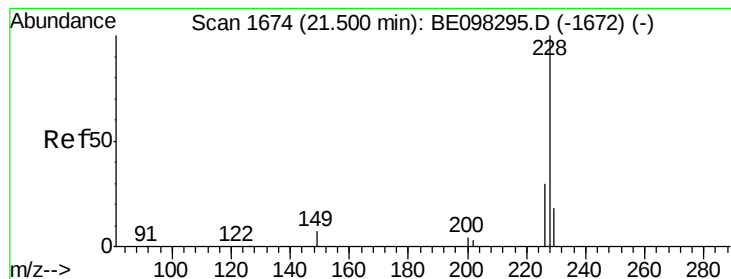


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.387 ng

RT: 21.50 min Scan# 1675

Delta R.T. -0.00 min

Lab File: BE098360.D

Acq: 12 Dec 2018 13:38

Instrument :

BNA_E

ClientSampled :

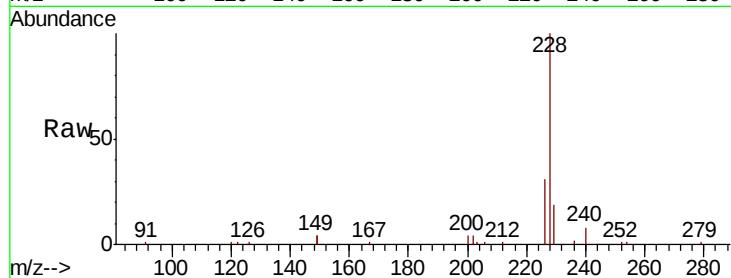
Tot Ion:228 Resp: 19033

Ion Ratio Lower Upper

228 100

226 31.3 23.4 35.0

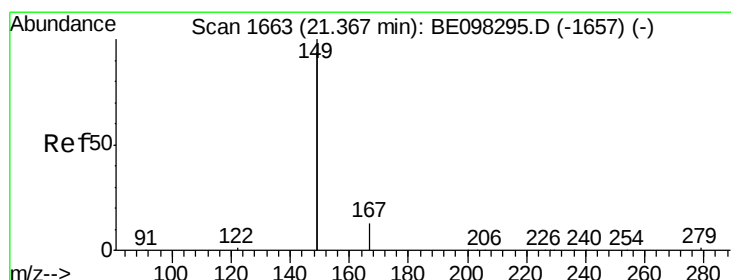
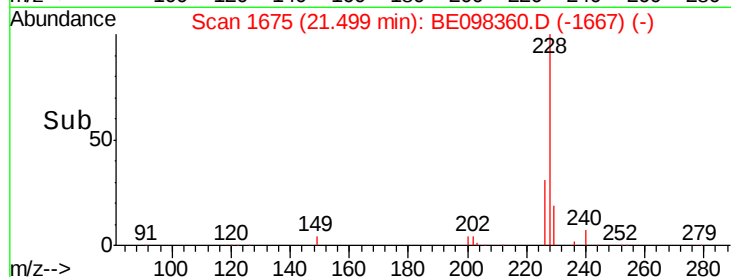
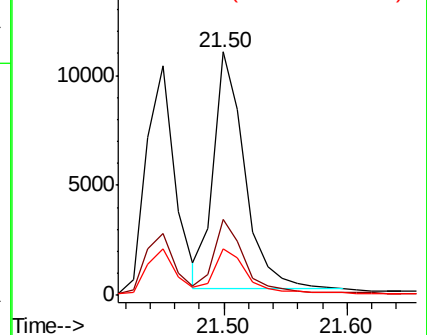
229 19.3 16.2 24.4



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.372 ng

RT: 21.37 min Scan# 1664

Delta R.T. -0.00 min

Lab File: BE098360.D

Acq: 12 Dec 2018 13:38

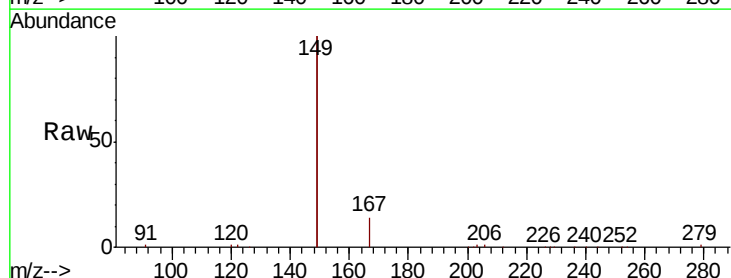
Tgt Ion:149 Resp: 35461

Ion Ratio Lower Upper

149 100

167 6.9 5.7 8.5

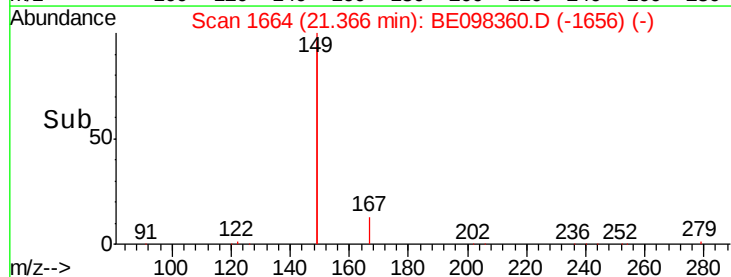
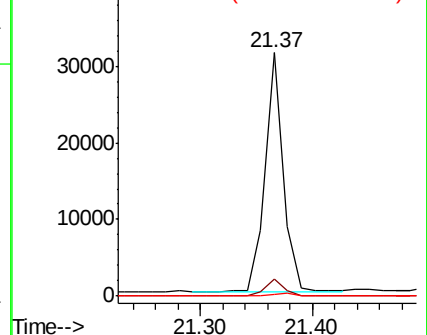
279 1.1 1.0 1.4

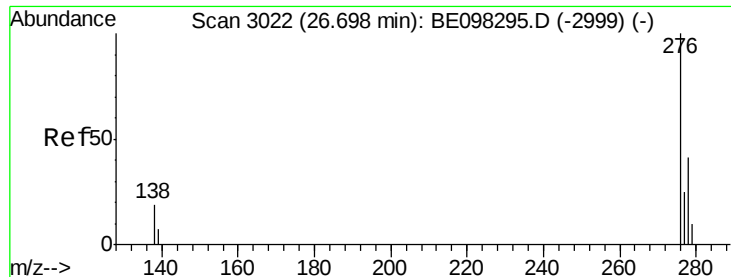


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

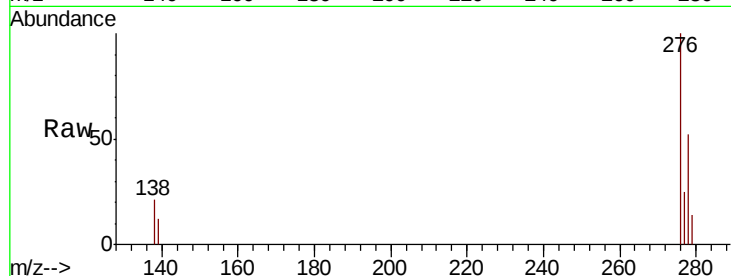




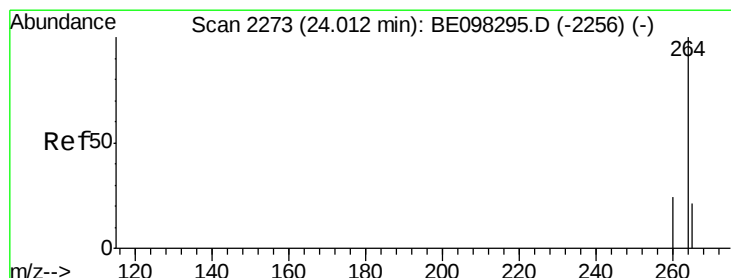
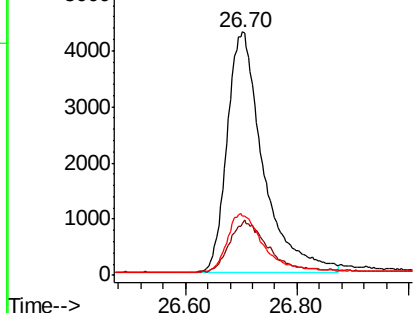
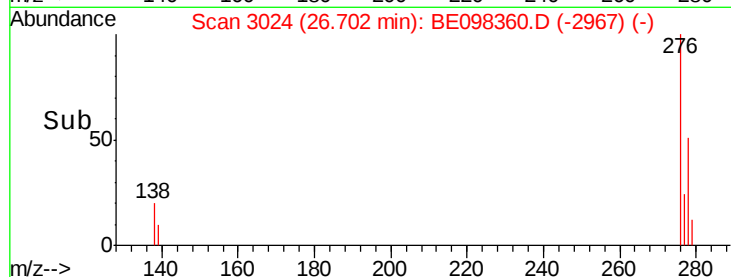
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.393 ng
RT: 26.70 min Scan# 3024
Delta R.T. 0.00 min
Lab File: BE098360.D
Acq: 12 Dec 2018 13:38

Instrument :
BNA_E
ClientSampleId :

Tot Ion:276 Resp: 19245
Ion Ratio Lower Upper
276 100
138 22.9 16.3 24.5
277 24.8 20.2 30.4

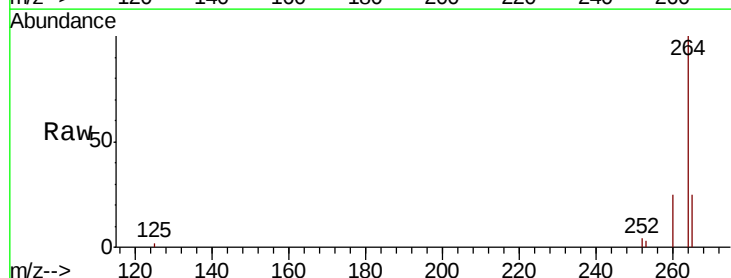


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

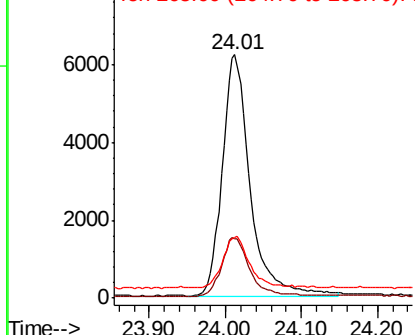
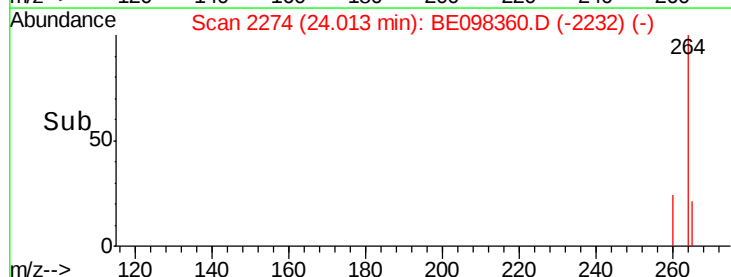


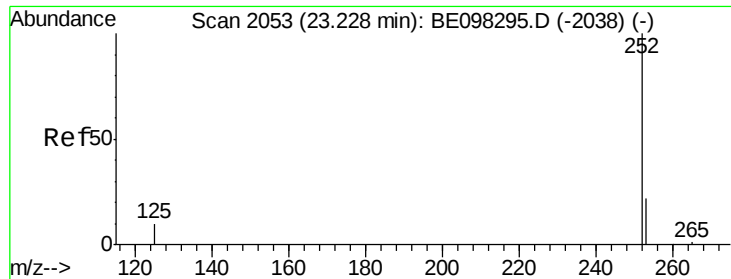
#34
Perylene-d12
Concen: 0.400 ng
RT: 24.01 min Scan# 2274
Delta R.T. 0.00 min
Lab File: BE098360.D
Acq: 12 Dec 2018 13:38

Tgt Ion:264 Resp: 15723
Ion Ratio Lower Upper
264 100
260 24.6 20.2 30.2
265 25.1 25.2 37.8#



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

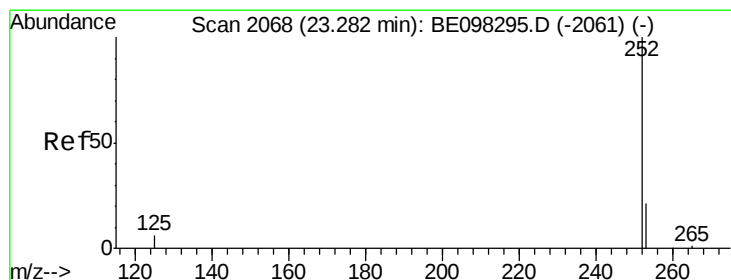
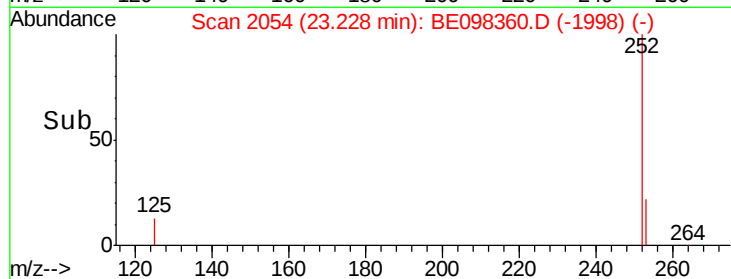
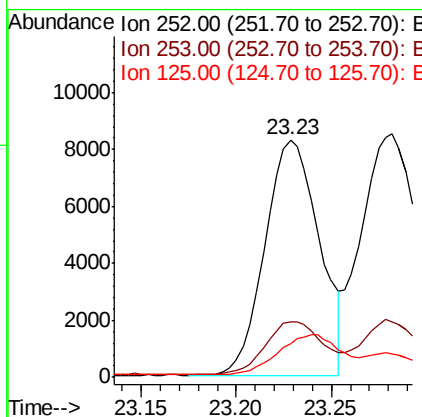
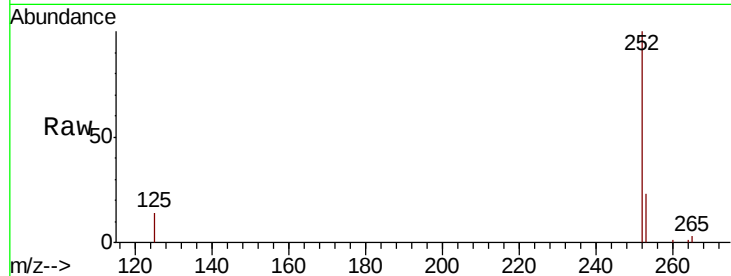




#35
Benzo(b)fluoranthene
Concen: 0.381 ng
RT: 23.23 min Scan# 2054
Delta R.T. 0.00 min
Lab File: BE098360.D
Acq: 12 Dec 2018 13:38

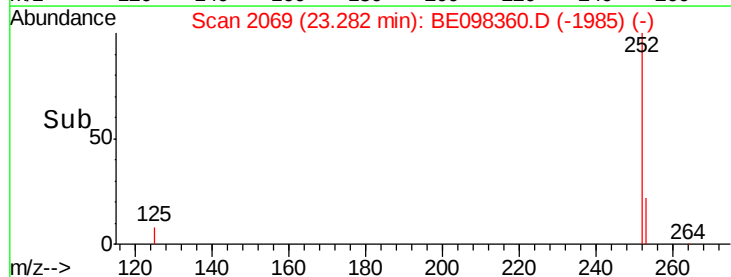
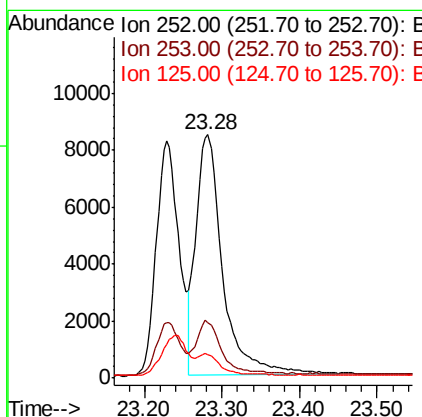
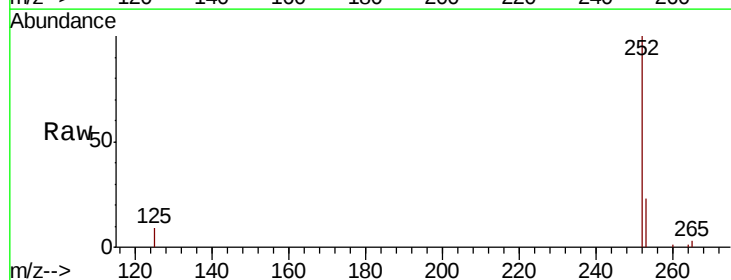
Instrument :
BNA_E
ClientSampleId :

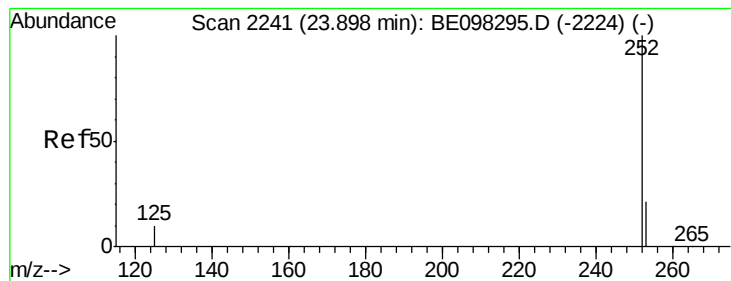
Tot Ion:252 Resp: 16376
Ion Ratio Lower Upper
252 100
253 23.3 20.0 30.0
125 14.0 9.6 14.4



#36
Benzo(k)fluoranthene
Concen: 0.402 ng
RT: 23.28 min Scan# 2069
Delta R.T. 0.00 min
Lab File: BE098360.D
Acq: 12 Dec 2018 13:38

Tgt Ion:252 Resp: 20124
Ion Ratio Lower Upper
252 100
253 23.0 19.0 28.6
125 9.4 9.1 13.7





#37

Benzo(a)pyrene

Concen: 0.387 ng

RT: 23.90 min Scan# 2242

Delta R.T. 0.00 min

Lab File: BE098360.D

Acq: 12 Dec 2018 13:38

Instrument :

BNA_E

ClientSampleId :

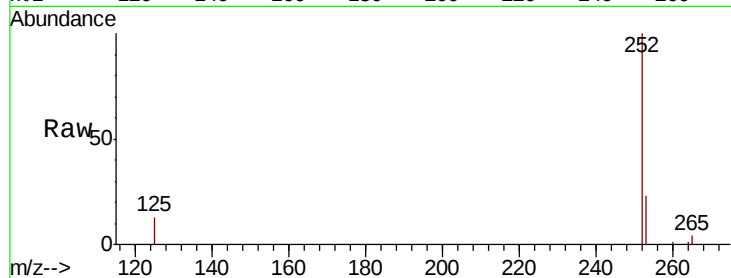
Tot Ion:252 Resp: 17191

Ion Ratio Lower Upper

252 100

253 23.3 20.6 30.8

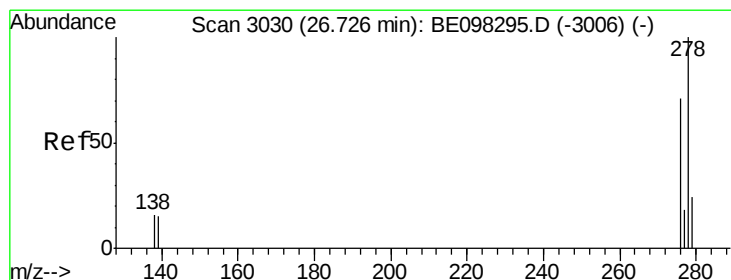
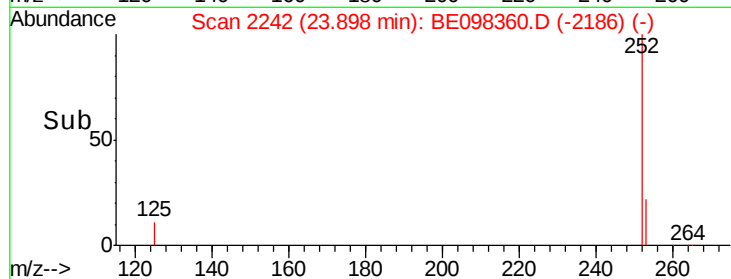
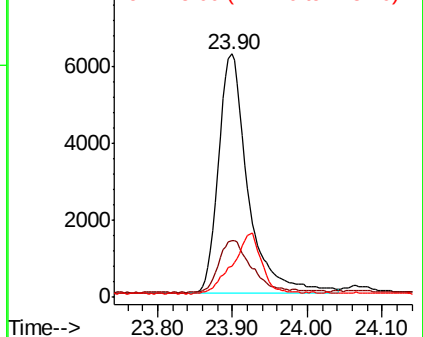
125 12.7 10.5 15.7



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: 0.387 ng

RT: 26.72 min Scan# 3030

Delta R.T. -0.00 min

Lab File: BE098360.D

Acq: 12 Dec 2018 13:38

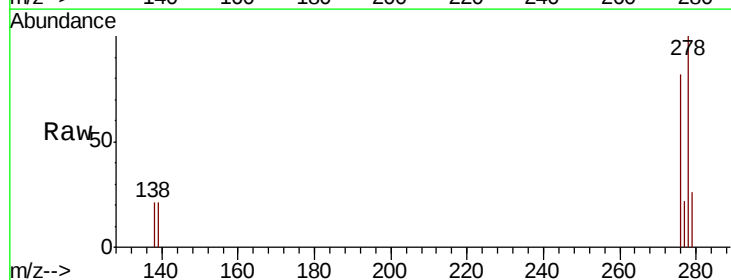
Tgt Ion:278 Resp: 16182

Ion Ratio Lower Upper

278 100

139 21.3 14.5 21.7

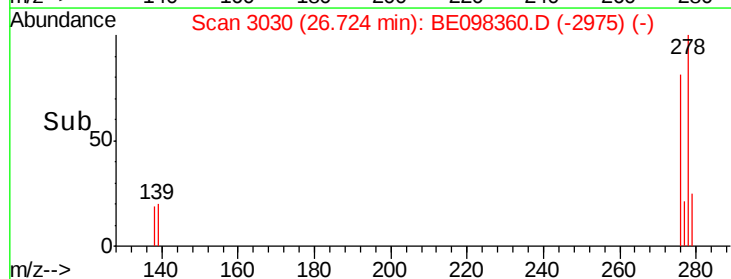
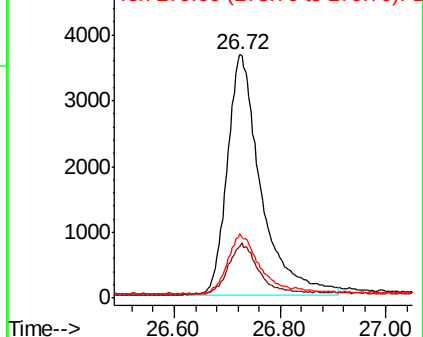
279 26.4 21.8 32.8

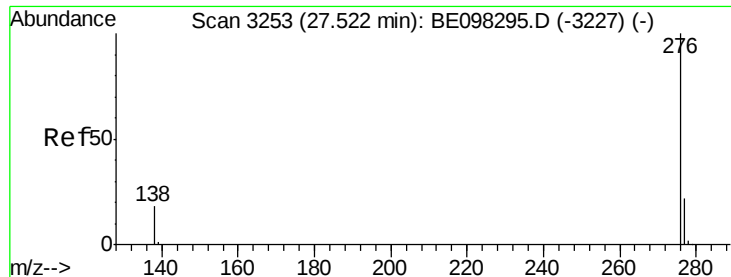


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.381 ng

RT: 27.53 min Scan# 3255

Delta R.T. 0.00 min

Lab File: BE098360.D

Acq: 12 Dec 2018 13:38

Instrument :

BNA_E

ClientSampleId :

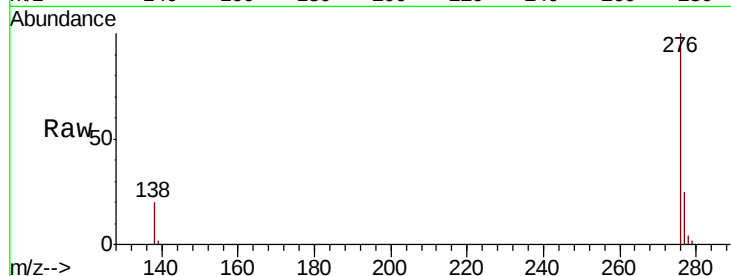
Tot Ion:276 Resp: 16031

Ion Ratio Lower Upper

276 100

277 24.9 20.8 31.2

138 19.7 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

