

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE010219\
 Data File : BE098607.D
 Acq On : 2 Jan 2019 14:40
 Operator : SJ/JU
 Sample : PB116077BS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jan 02 15:59:07 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 02 10:30:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	1080	0.40	ng	0.01
7) Naphthalene-d8	10.61	136	4480	0.40	ng	0.00
13) Acenaphthene-d10	14.48	164	2549	0.40	ng	0.02
19) Phenanthrene-d10	17.23	188	5457	0.40	ng	0.01
27) Chrysene-d12	21.41	240	5741	0.40	ng	0.01
34) Perylene-d12	23.93	264	6781	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	791	0.31	ng	0.02
5) Phenol-d6	7.00	99	1049	0.29	ng	0.01
8) Nitrobenzene-d5	8.98	82	1008	0.25	ng	0.02
11) 2-Methylnaphthalene-d10	12.22	152	1920	0.26	ng	0.02
14) 2,4,6-Tribromophenol	15.99	330	235	0.25	ng	0.02
15) 2-Fluorobiphenyl	13.10	172	2537	0.24	ng	0.02
25) Fluoranthene-d10	19.26	212	15650	0.22	ng	0.02
29) Terphenyl-d14	19.86	244	2924	0.21	ng	0.02

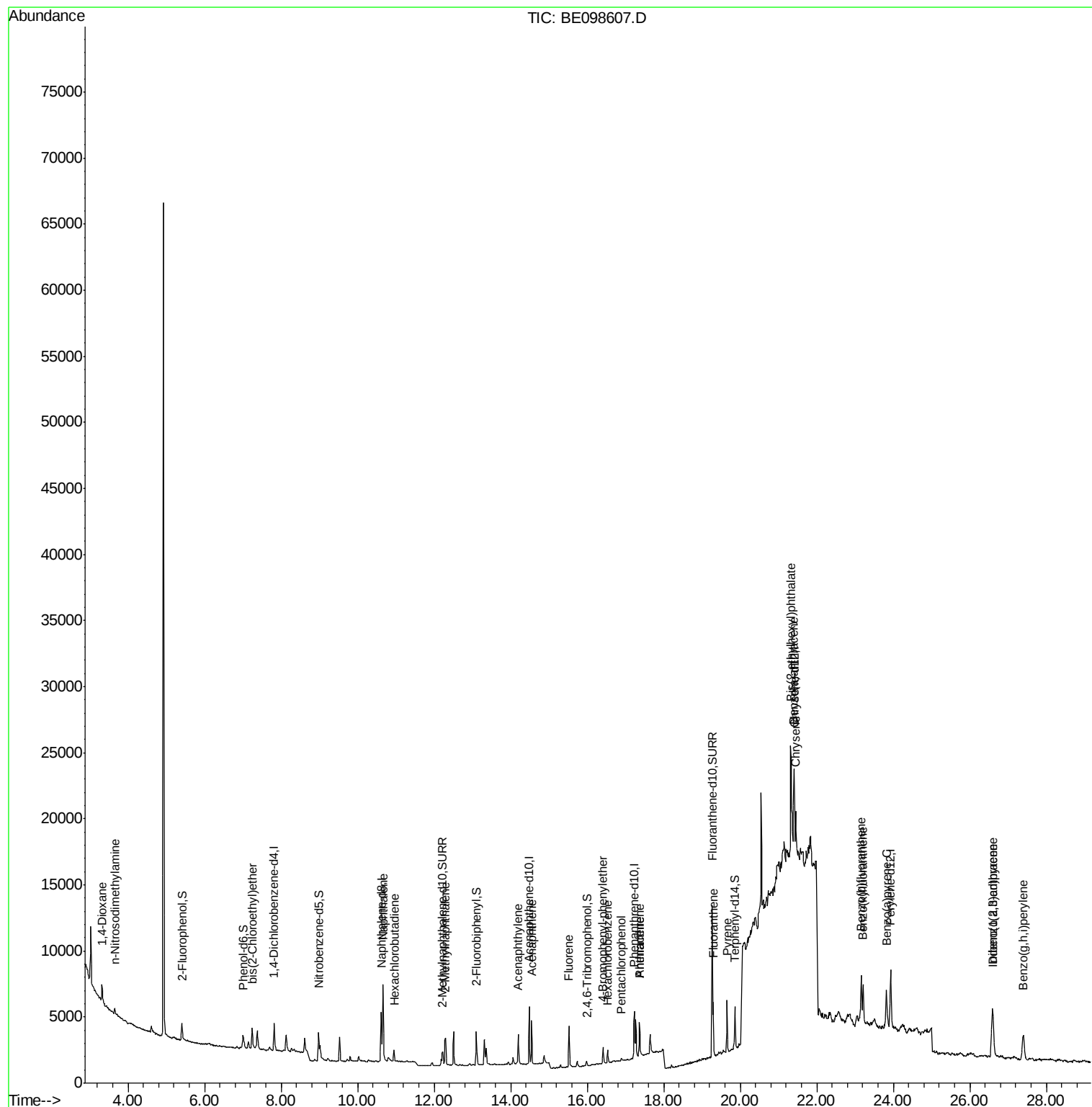
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.32	88	687	0.368	ng	# 52
3) n-Nitrosodimethylamine	3.65	42	475	0.283	ng	# 100
6) bis(2-Chloroethyl)ether	7.24	93	694	0.204	ng	97
9) Naphthalene	10.67	128	10490	0.233	ng	99
10) Hexachlorobutadiene	10.95	225	684	0.238	ng	94
12) 2-Methylnaphthalene	12.29	142	1700	0.232	ng	95
16) Acenaphthylene	14.20	152	2875	0.241	ng	99
17) Acenaphthene	14.54	154	1621	0.226	ng	99
18) Fluorene	15.52	166	2180	0.227	ng	99
20) 4-Bromophenyl-phenylether	16.42	248	711	0.242	ng	91
21) Hexachlorobenzene	16.53	284	722	0.229	ng	92
22) Pentachlorophenol	16.90	266	160	0.325	ng	97
23) Phenanthrene	17.36	178	3016	0.227	ng	99
24) Anthracene	17.36	178	2967	0.251	ng	99
26) Fluoranthene	19.29	202	3652	0.208	ng	# 94
28) Pyrene	19.65	202	3730	0.207	ng	95
30) Benzo(a)anthracene	21.40	228	4085	0.250	ng	# 79
31) Chrysene	21.45	228	3984	0.233	ng	# 78
32) Bis(2-ethylhexyl)phthalate	21.32	149	14692	0.442	ng	# 97
33) Indeno(1,2,3-cd)pyrene	26.58	276	5696	0.334	ng	98
35) Benzo(b)fluoranthene	23.16	252	4626	0.249	ng	# 1
36) Benzo(k)fluoranthene	23.21	252	4535	0.210	ng	# 1
37) Benzo(a)pyrene	23.82	252	4581	0.239	ng	# 1
38) Dibenzo(a,h)anthracene	26.60	278	4657	0.258	ng	# 43
39) Benzo(g,h,i)perylene	27.40	276	4961	0.273	ng	# 72

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE010219\
Data File : BE098607.D
Acq On : 2 Jan 2019 14:40
Operator : SJ/JU
Sample : PB116077BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Jan 02 15:59:07 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 02 10:30:27 2019
Response via : Initial Calibration



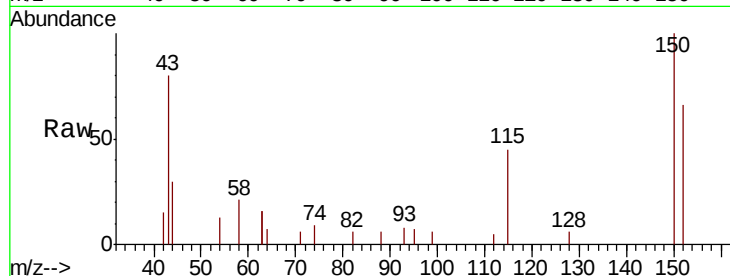


#1

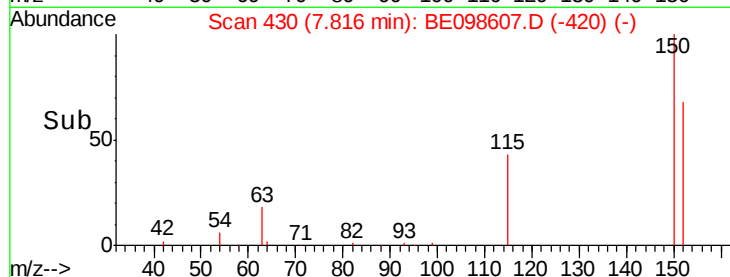
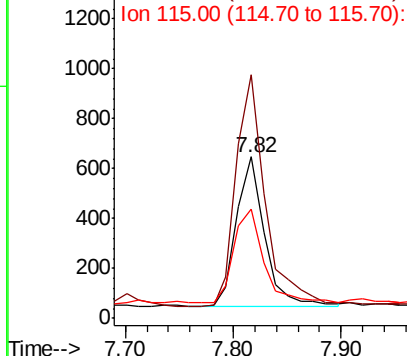
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. 0.01 min
Lab File: BE098607.D
Acq: 2 Jan 2019 14:40

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 1080
Ion Ratio Lower Upper
152 100
150 150.9 124.2 186.4
115 67.9 53.9 80.9



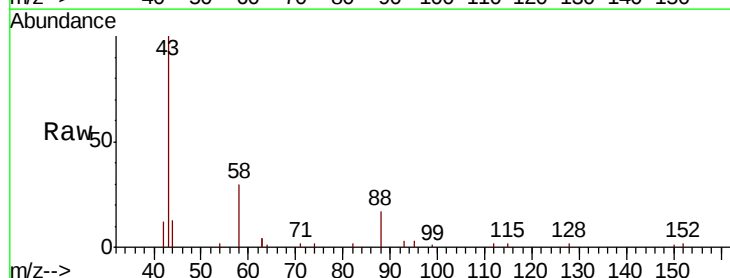
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



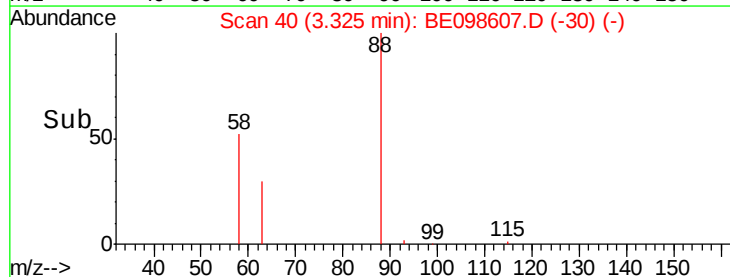
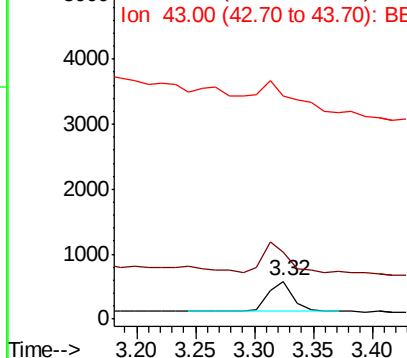
#2

1,4-Dioxane
Concen: 0.368 ng
RT: 3.32 min Scan# 40
Delta R.T. 0.01 min
Lab File: BE098607.D
Acq: 2 Jan 2019 14:40

Tgt Ion: 88 Resp: 687
Ion Ratio Lower Upper
88 100
58 99.1 75.0 112.6
43 135.8 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



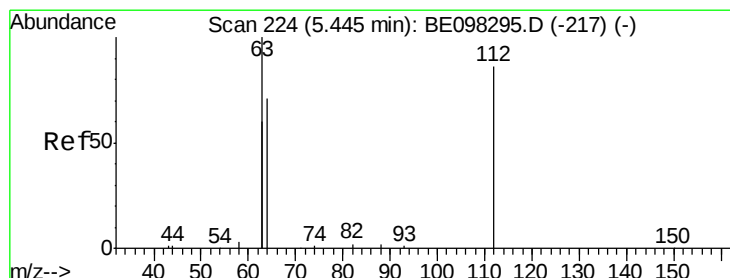
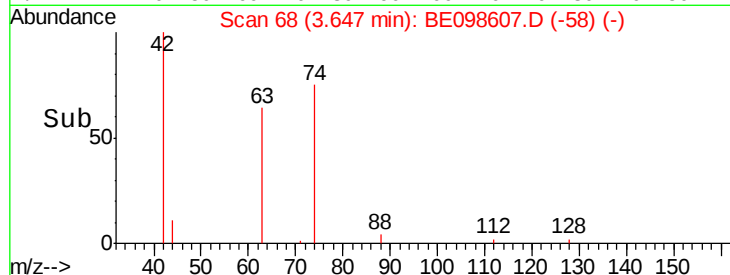
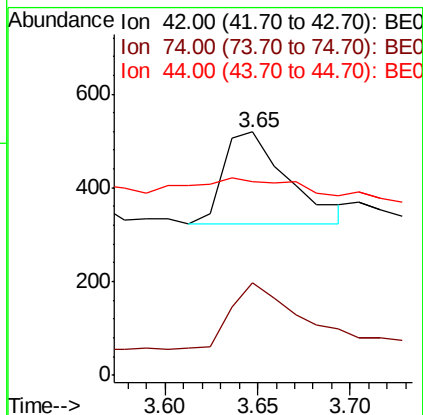
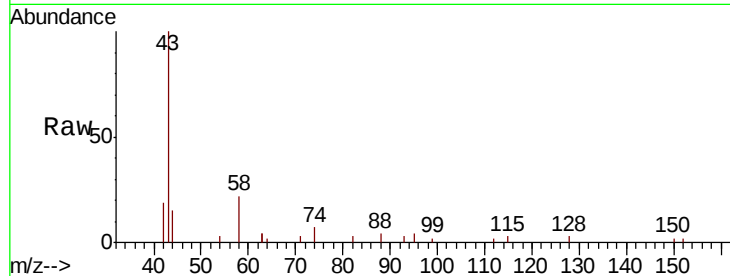


#3

n-Nitrosodimethylamine
 Concen: 0.283 ng
 RT: 3.65 min Scan# 68
 Delta R.T. 0.01 min
 Lab File: BE098607.D
 Acq: 2 Jan 2019 14:40

Instrument :
 BNA_E
 ClientSampleId :

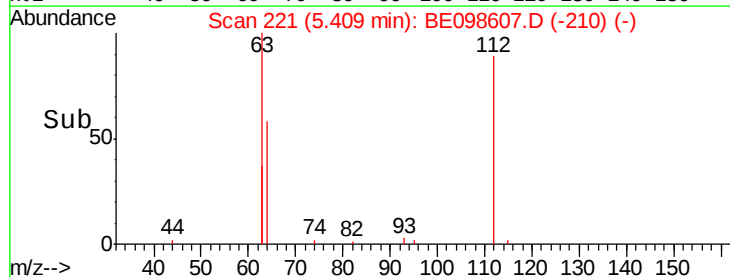
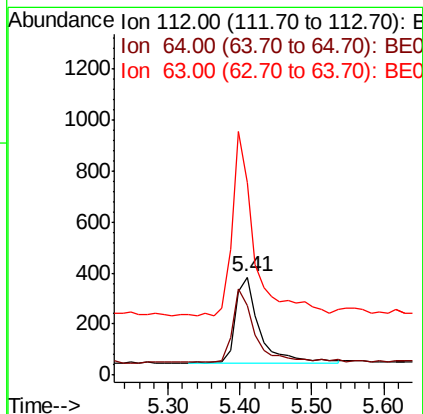
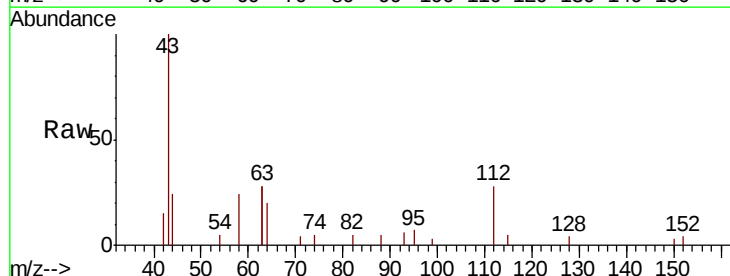
Tot Ion: 42 Resp: 475
 Ion Ratio Lower Upper
 42 100
 74 76.6 0.0 0.0#
 44 29.5 0.0 0.0#

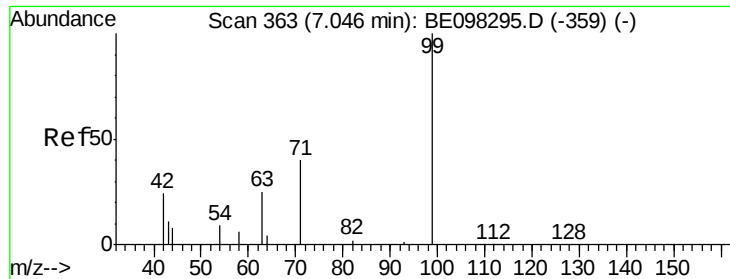


#4

2-Fluorophenol
 Concen: 0.313 ng
 RT: 5.41 min Scan# 221
 Delta R.T. 0.02 min
 Lab File: BE098607.D
 Acq: 2 Jan 2019 14:40

Tgt Ion: 112 Resp: 791
 Ion Ratio Lower Upper
 112 100
 64 76.0 59.8 89.8
 63 194.4 133.7 200.5





#5

Phenol-d6

Concen: 0.293 ng

RT: 7.00 min Scan# 359

Delta R.T. 0.01 min

Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

Instrument :

BNA_E

ClientSampleId :

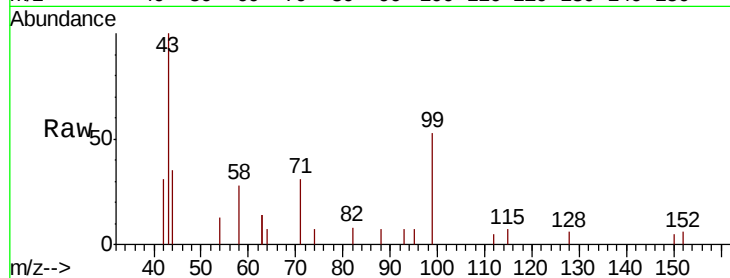
Tot Ion: 99 Resp: 1049

Ion Ratio Lower Upper

99 100

42 36.0 26.3 39.5

71 50.6 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

600

400

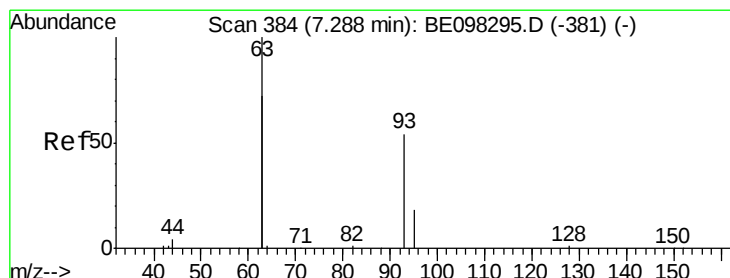
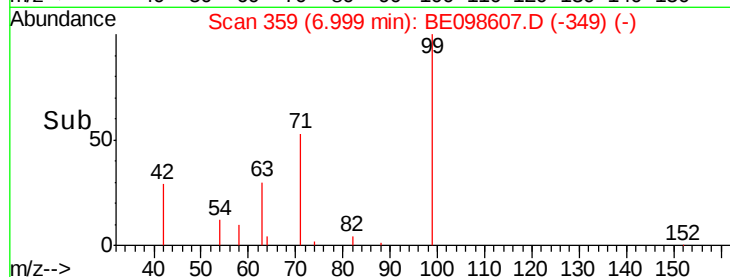
200

0

7.00

6.90 7.00 7.10 7.20

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.204 ng

RT: 7.24 min Scan# 380

Delta R.T. 0.01 min

Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

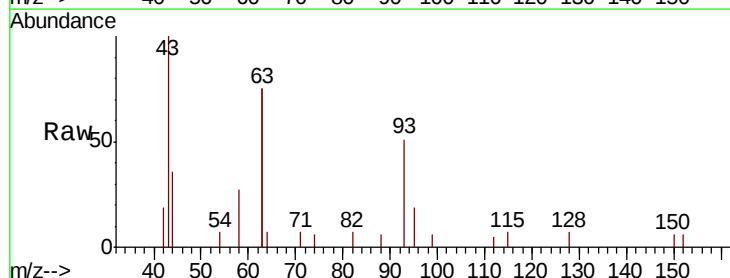
Tgt Ion: 93 Resp: 694

Ion Ratio Lower Upper

93 100

63 336.2 264.4 396.6

95 36.9 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

1500

1000

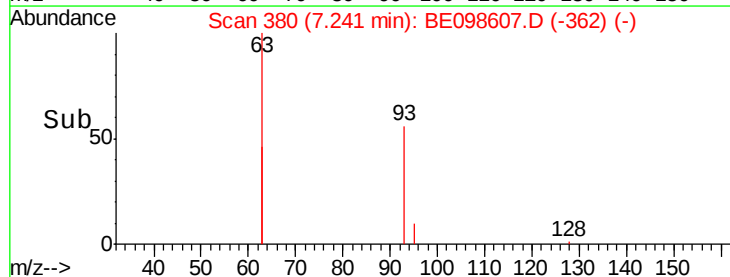
500

0

7.24

7.20 7.30

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.61 min Scan# 650

Delta R.T. 0.01 min

Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 4480

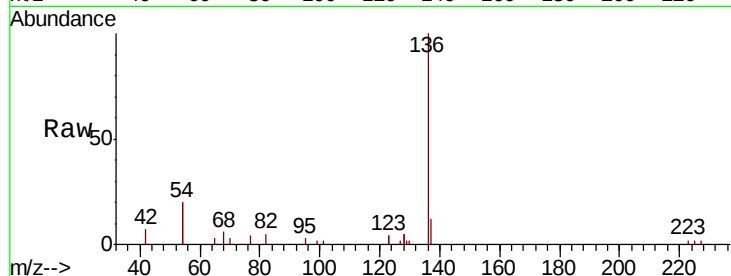
Ion Ratio Lower Upper

136 100

137 12.0 9.2 13.8

54 39.2 28.4 42.6

68 6.5 5.4 8.0

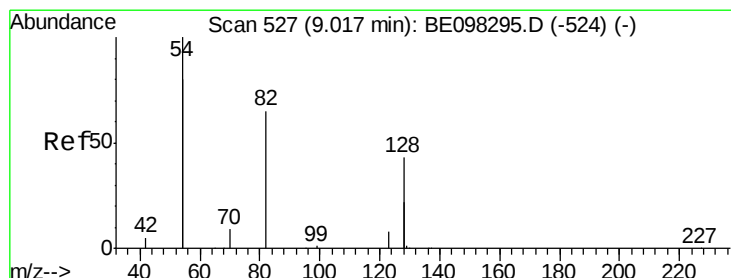
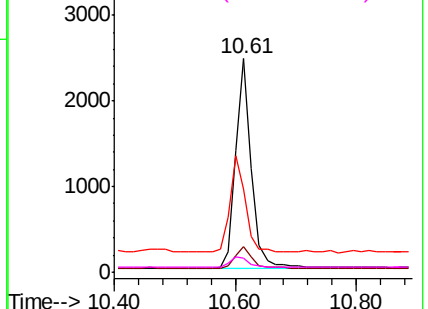
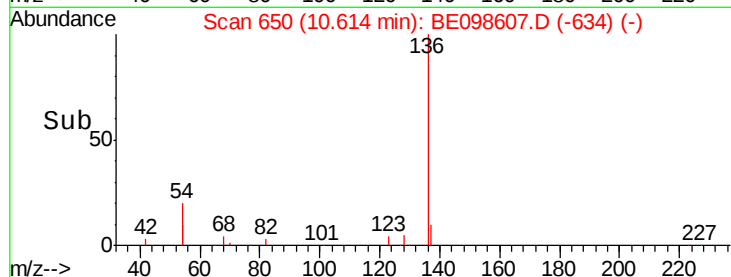


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.247 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.02 min

Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

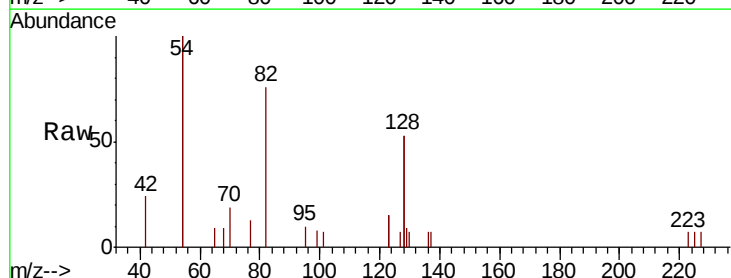
Tgt Ion: 82 Resp: 1008

Ion Ratio Lower Upper

82 100

128 141.1 102.4 153.6

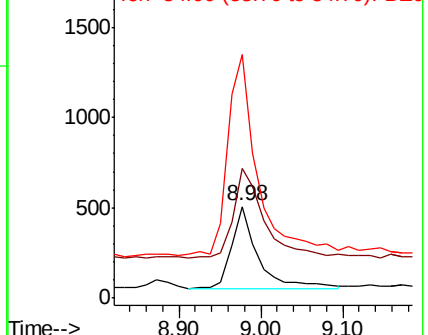
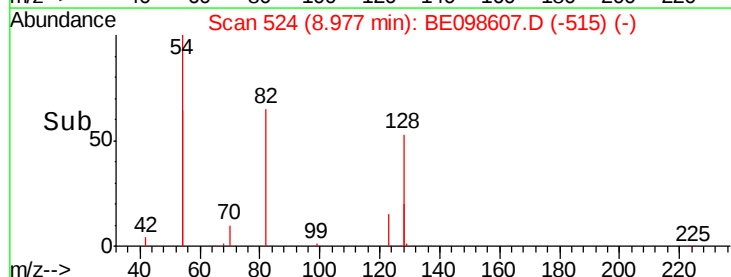
54 264.8 221.8 332.8



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: 0.233 ng

RT: 10.67 min Scan# 654

Delta R.T. 0.02 min

Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

Instrument :

BNA_E

ClientSampleId :

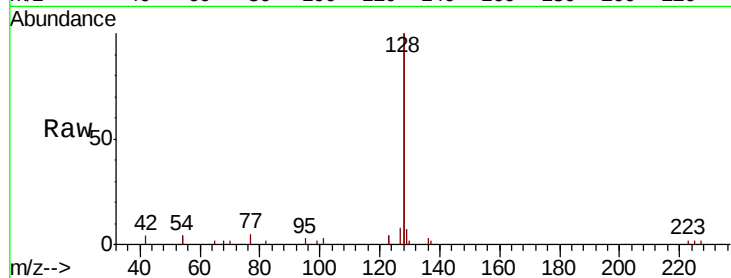
Tot Ion:128 Resp: 10490

Ion Ratio Lower Upper

128 100

129 3.5 2.5 3.7

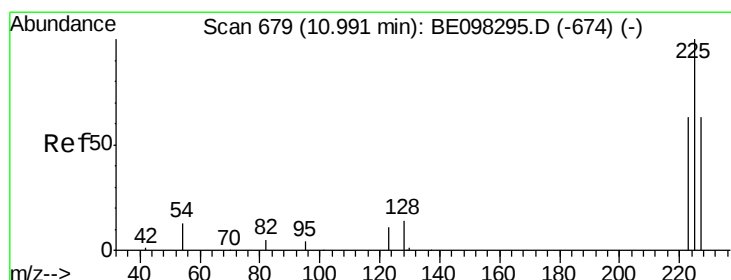
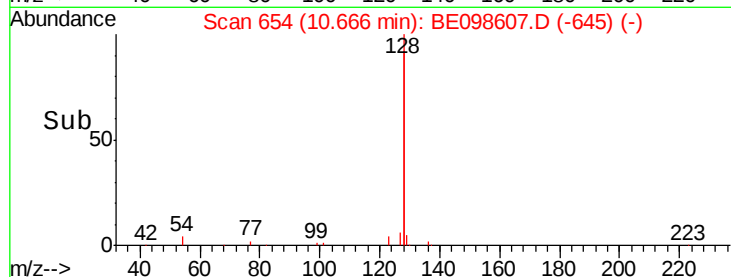
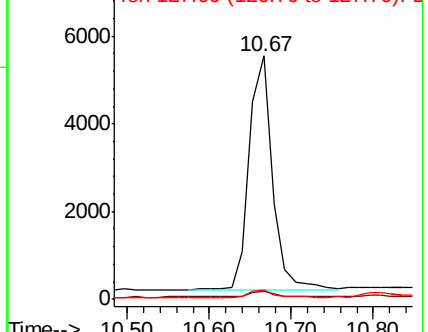
127 4.0 2.7 4.1



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: 0.238 ng

RT: 10.95 min Scan# 676

Delta R.T. 0.02 min

Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

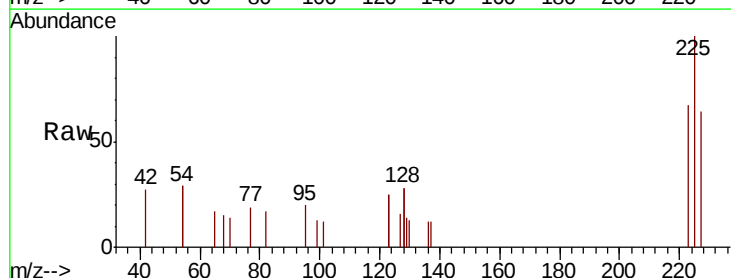
Tgt Ion:225 Resp: 684

Ion Ratio Lower Upper

225 100

223 67.0 49.4 74.0

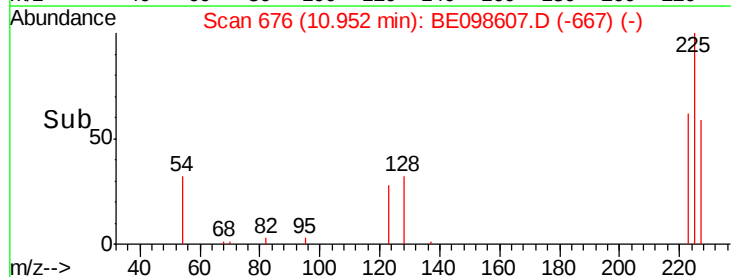
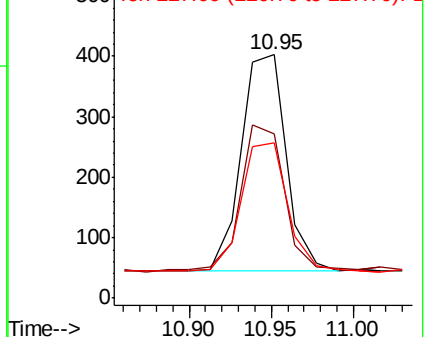
227 61.0 52.0 78.0

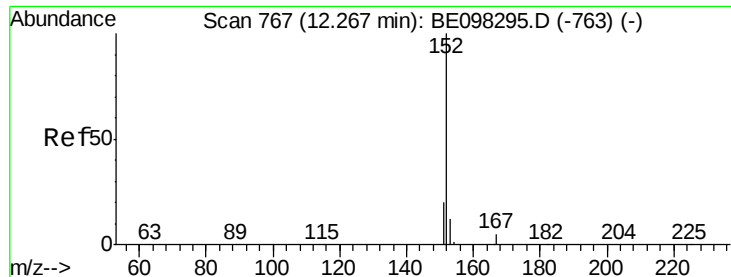


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

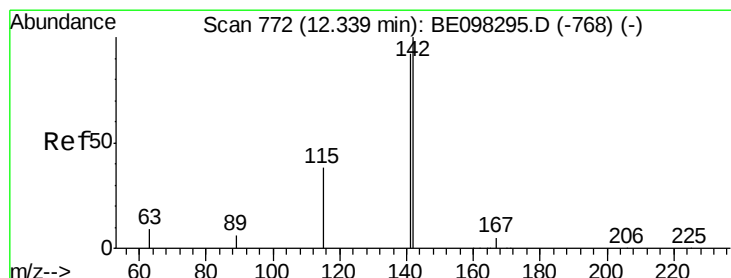
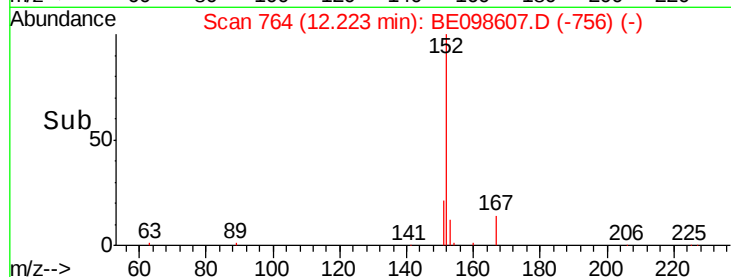
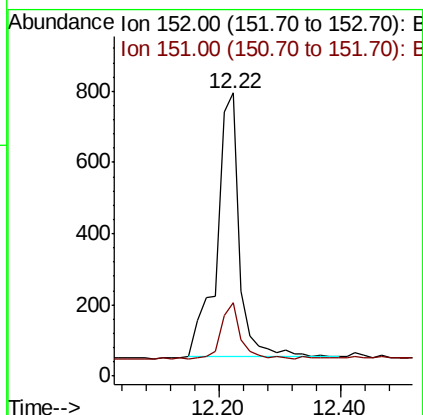
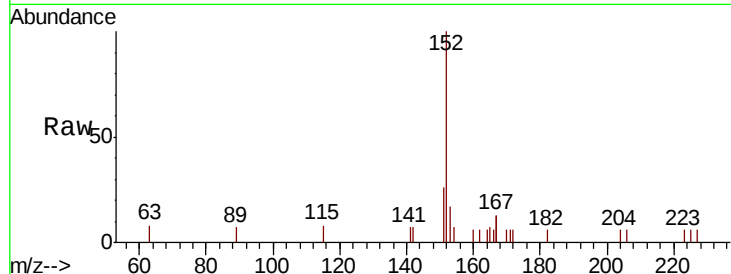




#11
 2-Methylnaphthalene-d10
 Concen: 0.264 ng
 RT: 12.22 min Scan# 764
 Delta R.T. 0.02 min
 Lab File: BE098607.D
 Acq: 2 Jan 2019 14:40

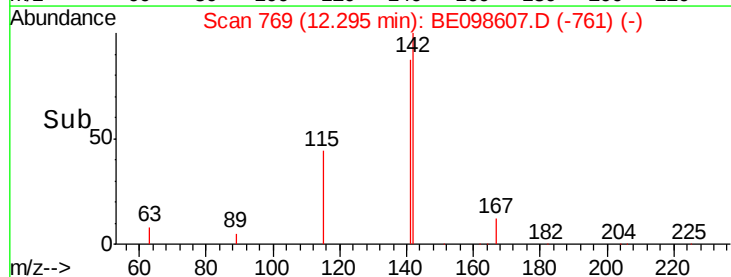
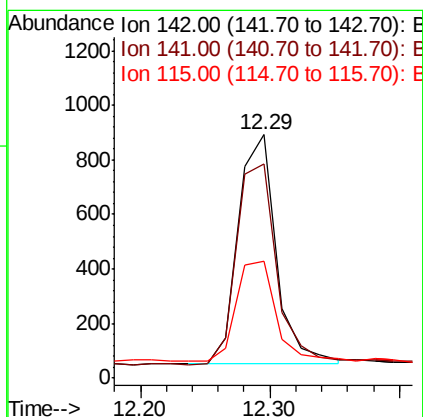
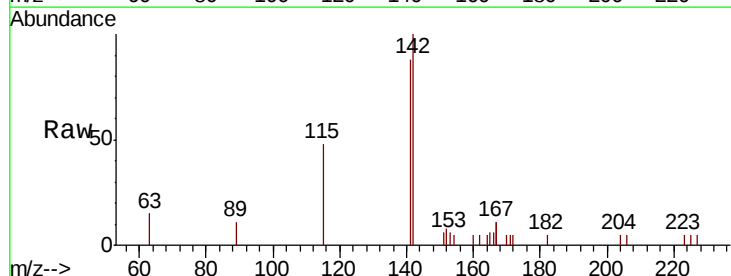
Instrument :
 BNA_E
 ClientSampled :

Tot Ion:152 Resp: 1920
 Ion Ratio Lower Upper
 152 100
 151 18.7 16.2 24.4



#12
 2-Methylnaphthalene
 Concen: 0.232 ng
 RT: 12.29 min Scan# 769
 Delta R.T. 0.02 min
 Lab File: BE098607.D
 Acq: 2 Jan 2019 14:40

Tgt Ion:142 Resp: 1700
 Ion Ratio Lower Upper
 142 100
 141 87.9 71.0 106.6
 115 47.9 32.2 48.2

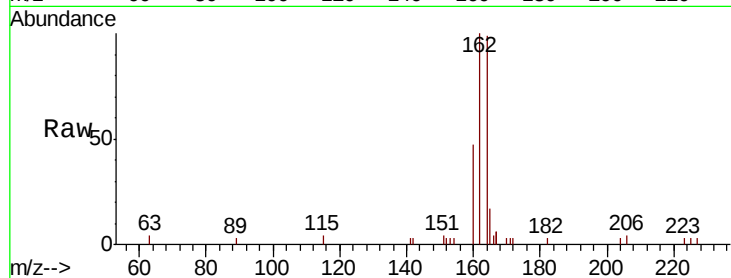




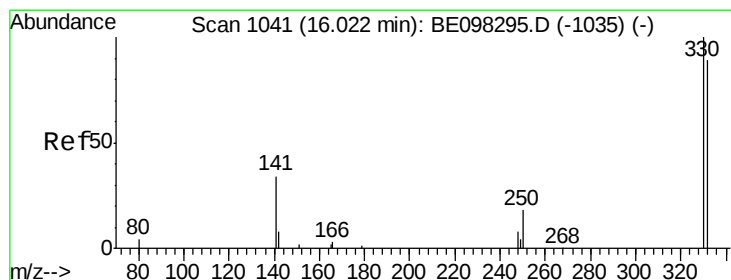
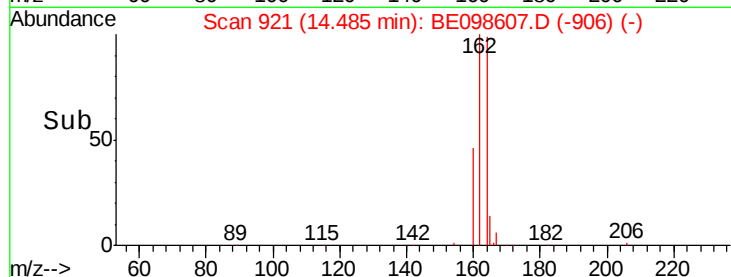
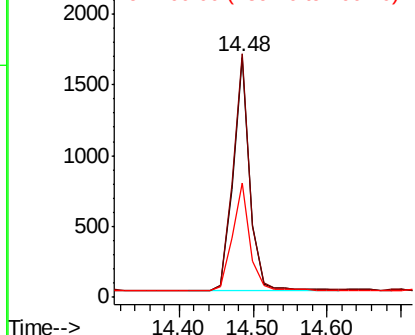
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.48 min Scan# 921
 Delta R.T. 0.02 min
 Lab File: BE098607.D
 Acq: 2 Jan 2019 14:40

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:164 Resp: 2549
 Ion Ratio Lower Upper
 164 100
 162 101.4 77.6 116.4
 160 47.8 36.0 54.0

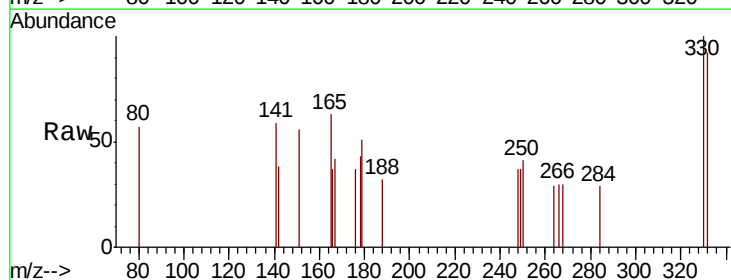


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

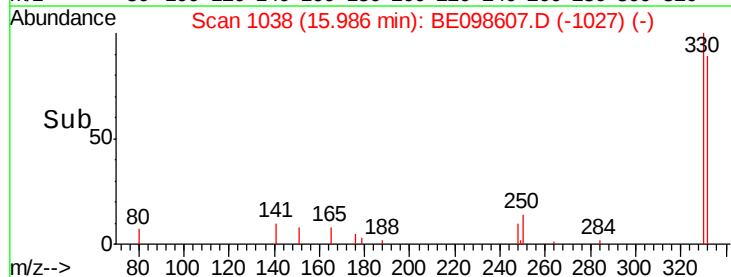
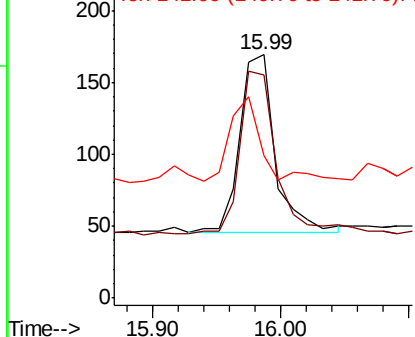


#14
 2,4,6-Tribromophenol
 Concen: 0.251 ng
 RT: 15.99 min Scan# 1038
 Delta R.T. 0.02 min
 Lab File: BE098607.D
 Acq: 2 Jan 2019 14:40

Tgt Ion:330 Resp: 235
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.2 114.4
 141 44.7 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

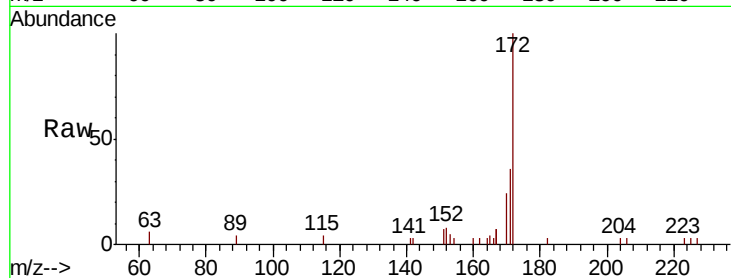




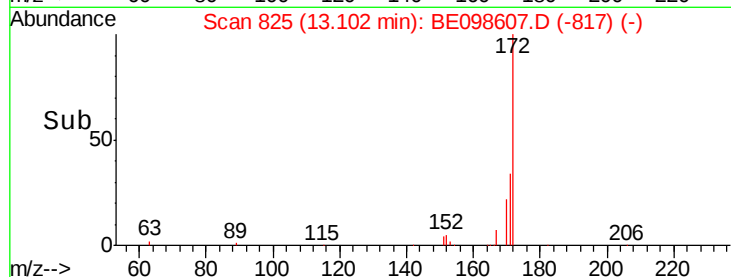
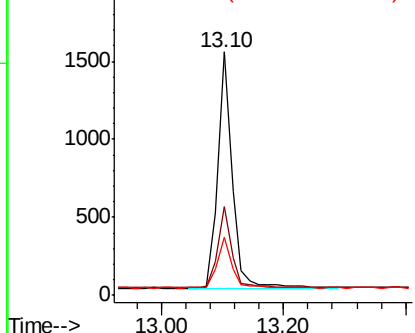
#15
2-Fluorobiphenyl
Concen: 0.236 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.02 min
Lab File: BE098607.D
Acq: 2 Jan 2019 14:40

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 2537
Ion Ratio Lower Upper
172 100
171 36.4 27.5 41.3
170 24.0 19.6 29.4

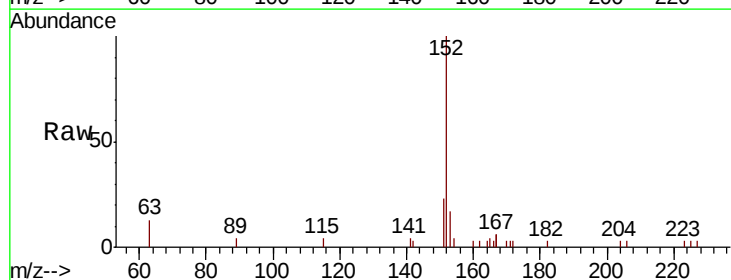


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

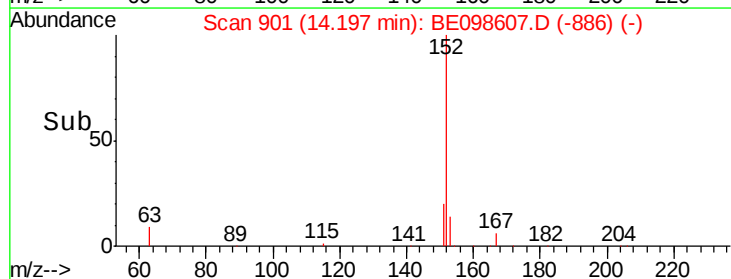
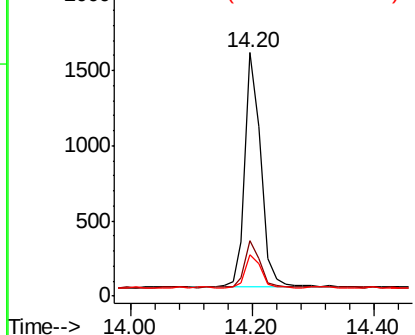


#16
Acenaphthylene
Concen: 0.241 ng
RT: 14.20 min Scan# 901
Delta R.T. 0.02 min
Lab File: BE098607.D
Acq: 2 Jan 2019 14:40

Tgt Ion:152 Resp: 2875
Ion Ratio Lower Upper
152 100
151 18.7 15.5 23.3
153 13.3 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: 0.226 ng

RT: 14.54 min Scan# 925

Delta R.T. 0.02 min

Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

Instrument :

BNA_E

ClientSampleId :

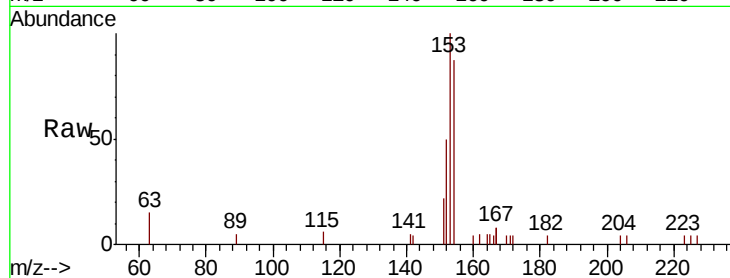
Tot Ion:154 Resp: 1621

Ion Ratio Lower Upper

154 100

153 115.1 91.8 137.6

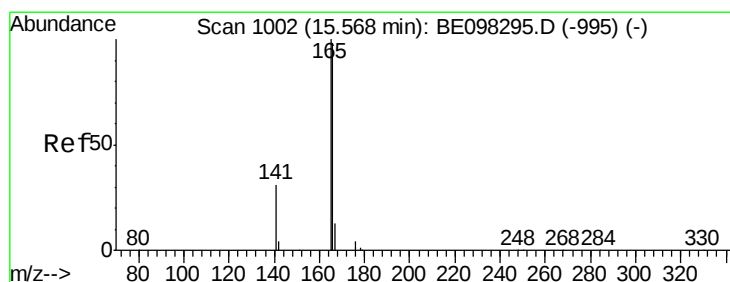
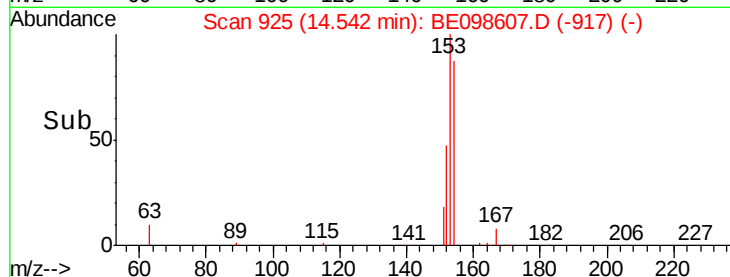
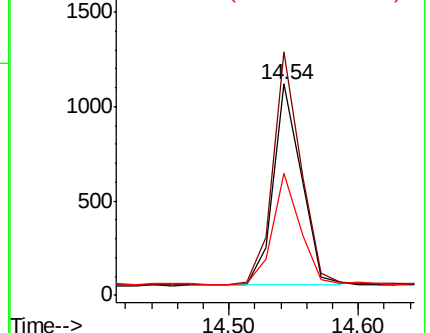
152 54.2 45.5 68.3



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: 0.227 ng

RT: 15.52 min Scan# 998

Delta R.T. 0.01 min

Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

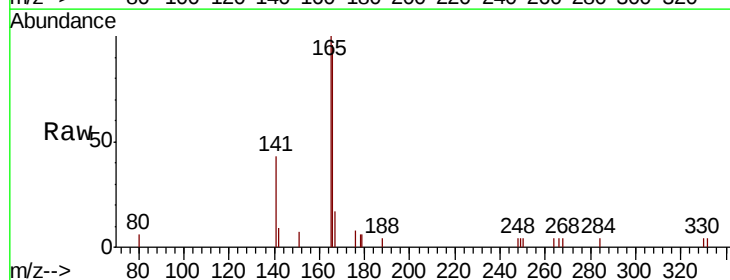
Tgt Ion:166 Resp: 2180

Ion Ratio Lower Upper

166 100

165 100.6 79.3 118.9

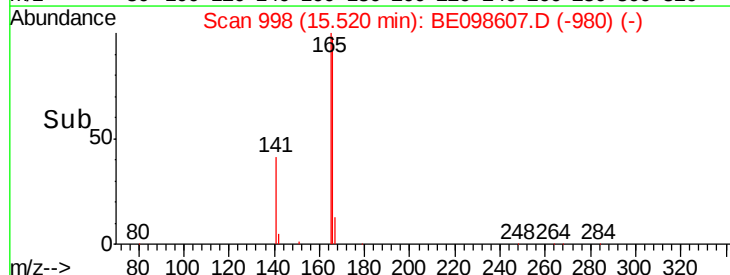
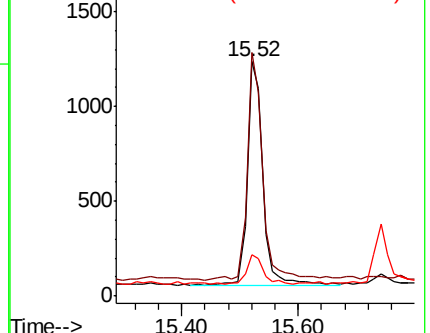
167 14.3 11.3 16.9

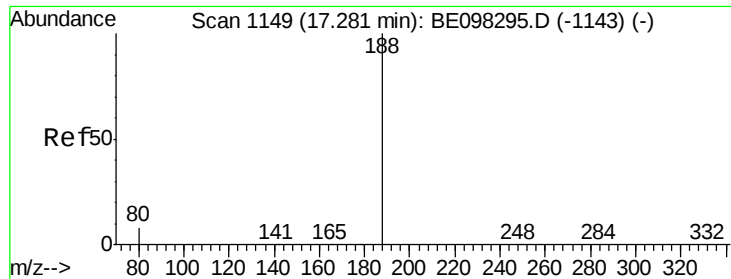


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.23 min Scan# 1145

Delta R.T. 0.01 min

Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

Instrument :

BNA_E

ClientSampleId :

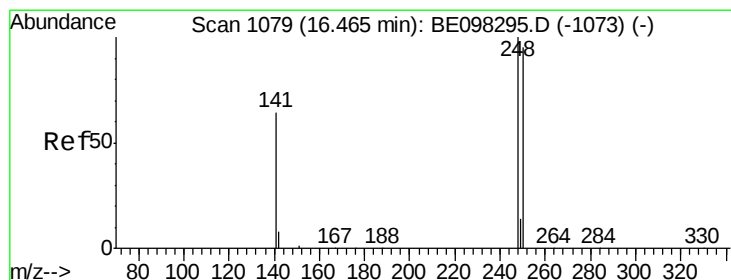
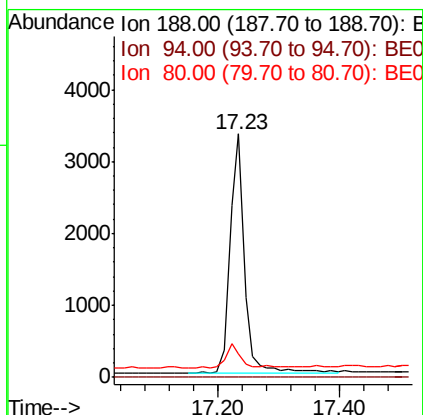
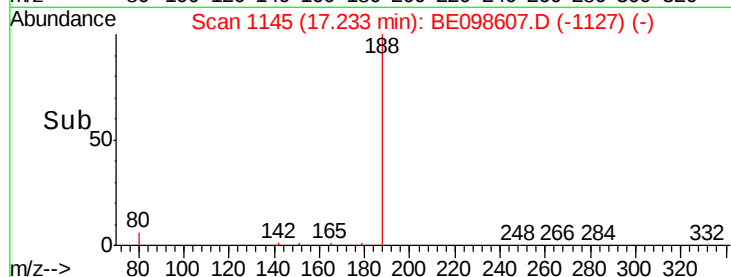
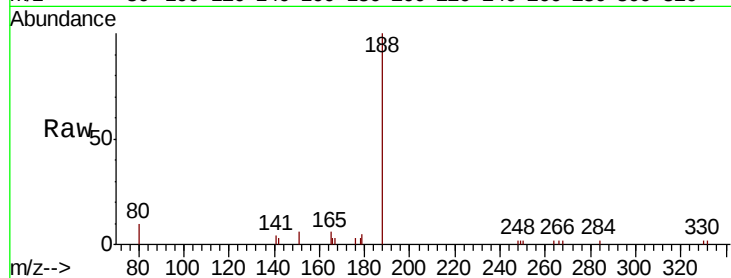
Tot Ion:188 Resp: 5457

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.7 7.2 10.8



#20

4-Bromophenyl-phenylether

Concen: 0.242 ng

RT: 16.42 min Scan# 1075

Delta R.T. 0.01 min

Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

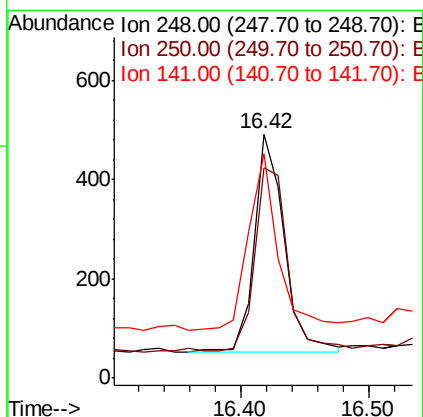
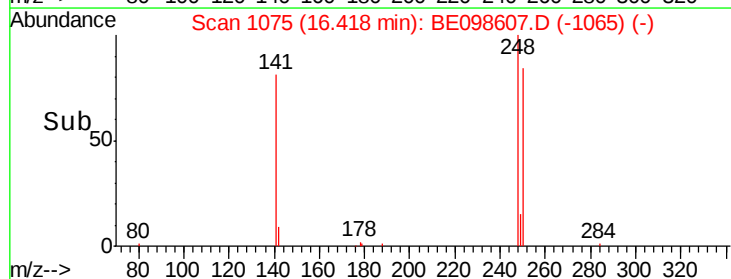
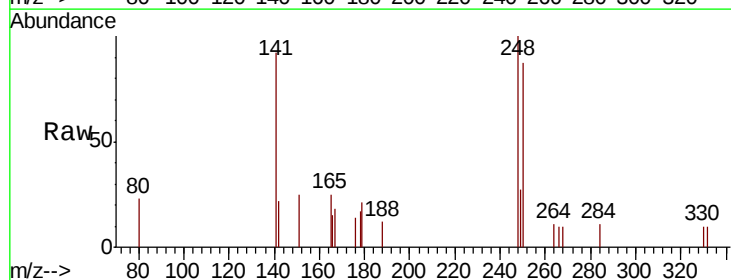
Tgt Ion:248 Resp: 711

Ion Ratio Lower Upper

248 100

250 86.6 71.0 106.6

141 92.3 62.1 93.1





#21

Hexachlorobenzene

Concen: 0.229 ng

RT: 16.53 min Scan# 1085

Delta R.T. 0.01 min

Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

Instrument :

BNA_E

ClientSampleId :

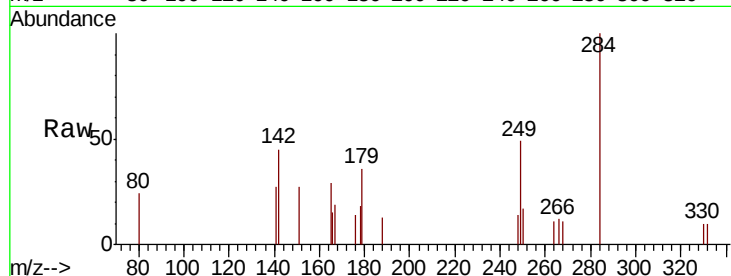
Tot Ion:284 Resp: 722

Ion Ratio Lower Upper

284 100

142 37.5 26.3 39.5

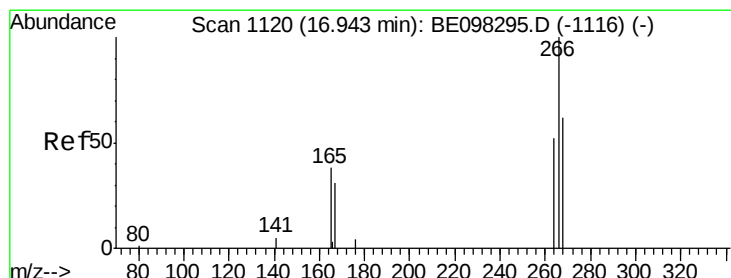
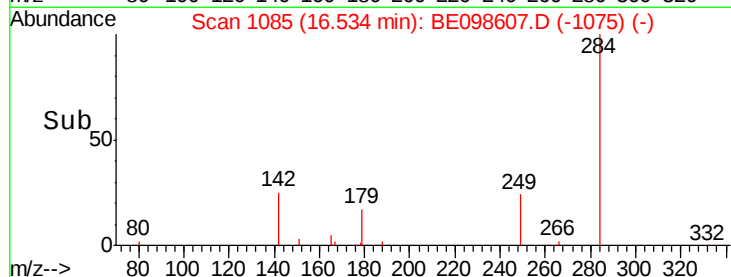
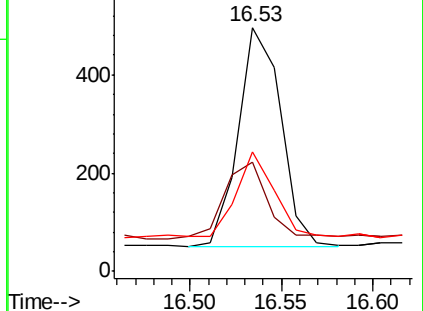
249 36.6 26.0 39.0



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: 0.325 ng

RT: 16.90 min Scan# 1116

Delta R.T. 0.01 min

Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

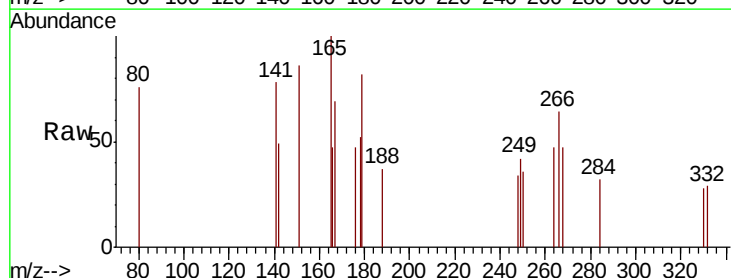
Tgt Ion:266 Resp: 160

Ion Ratio Lower Upper

266 100

264 73.0 59.0 88.4

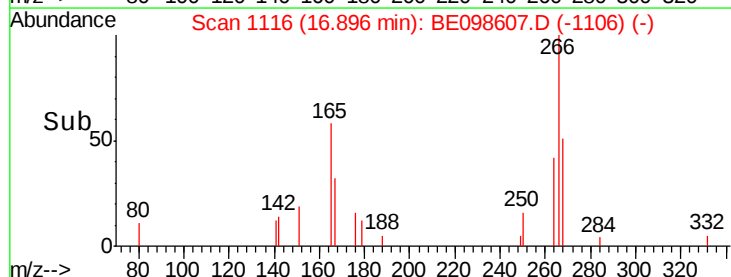
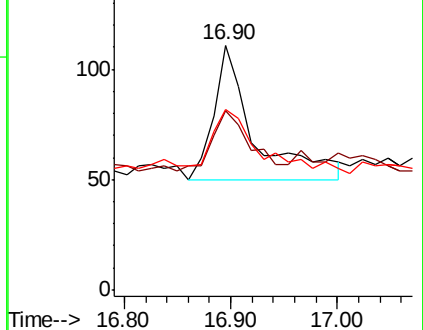
268 73.9 55.1 82.7



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: 0.227 ng

RT: 17.36 min Scan# 1156

Delta R.T. 0.11 min

Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

Instrument :

BNA_E

ClientSampled :

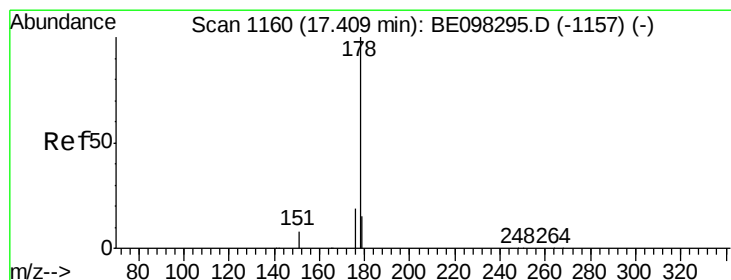
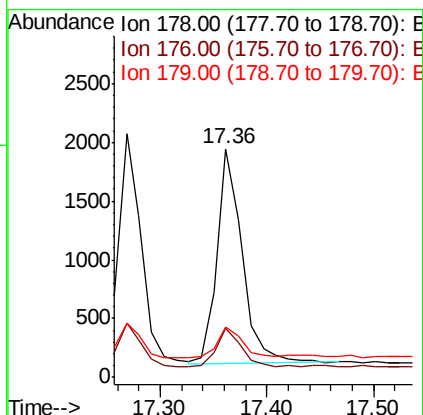
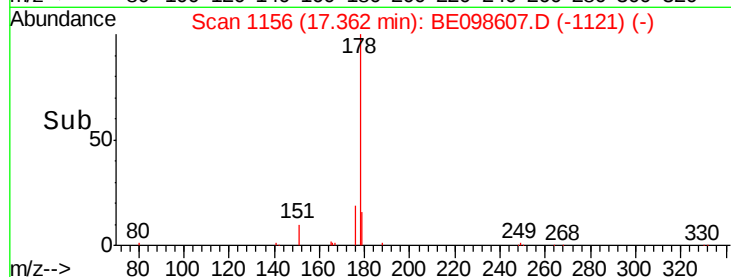
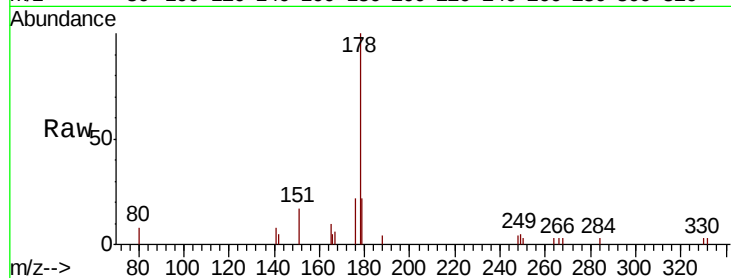
Tot Ion:178 Resp: 3016

Ion Ratio Lower Upper

178 100

176 19.7 15.9 23.9

179 14.9 12.3 18.5



#24

Anthracene

Concen: 0.251 ng

RT: 17.36 min Scan# 1156

Delta R.T. 0.01 min

Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

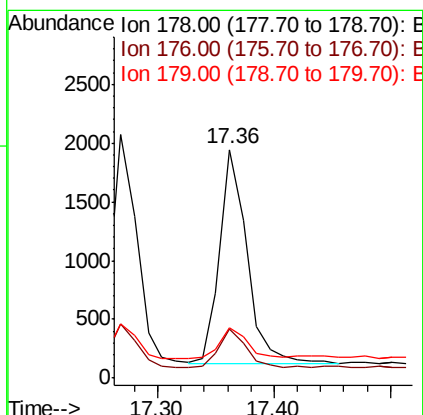
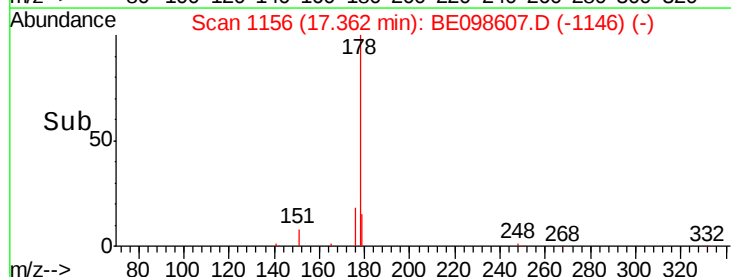
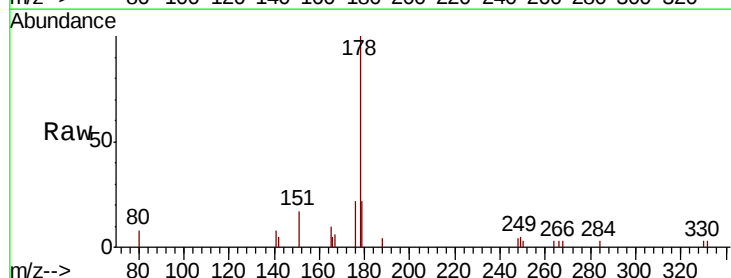
Tgt Ion:178 Resp: 2967

Ion Ratio Lower Upper

178 100

176 19.7 15.0 22.4

179 15.1 12.3 18.5





#25

Fluoranthene-d10

Concen: 0.224 ng

RT: 19.26 min Scan# 1425

Delta R.T. 0.02 min

Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

Instrument :

BNA_E

ClientSampleId :

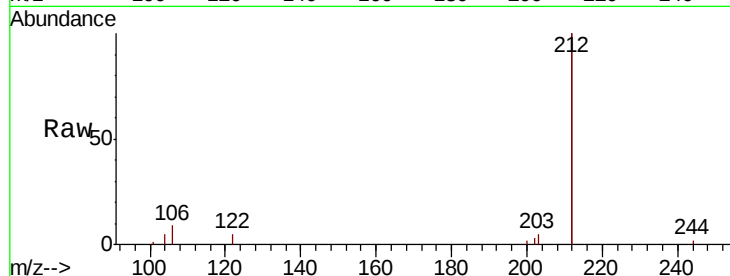
Tot Ion:212 Resp: 15650

Ion Ratio Lower Upper

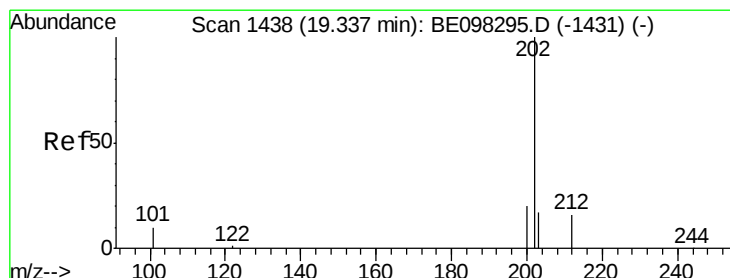
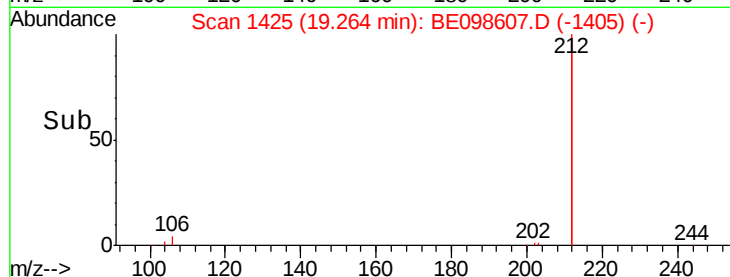
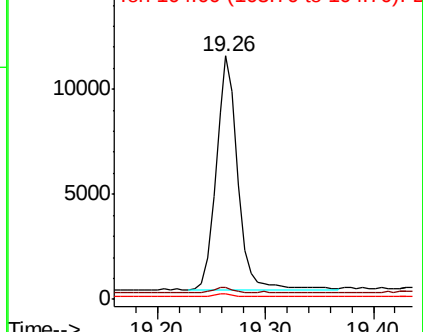
212 100

106 2.3 2.2 3.2

104 1.4 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: 0.208 ng

RT: 19.29 min Scan# 1430

Delta R.T. 0.02 min

Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

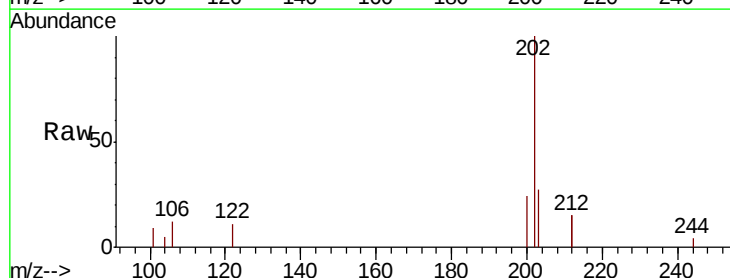
Tgt Ion:202 Resp: 3652

Ion Ratio Lower Upper

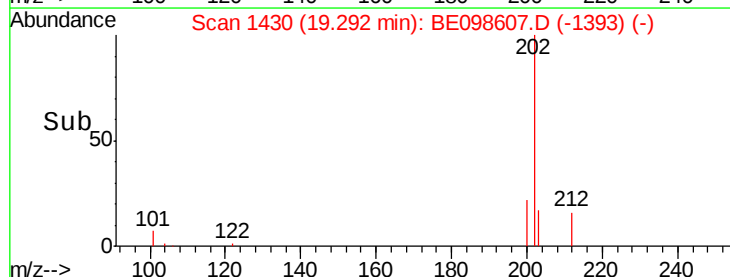
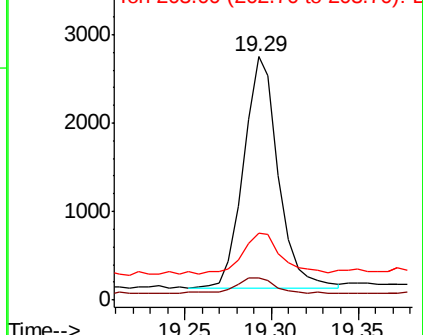
202 100

101 7.7 8.0 12.0#

203 19.5 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: 21.41 min Scan# 1667

Delta R.T. 0.01 min

Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

Instrument :

BNA_E

ClientSampleId :

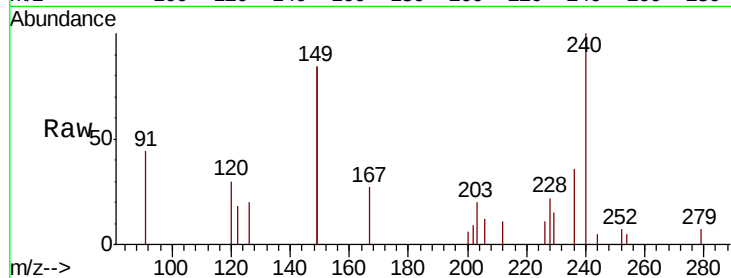
Tot Ion:240 Resp: 5741

Ion Ratio Lower Upper

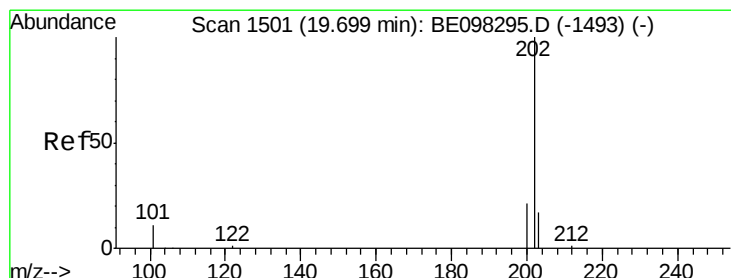
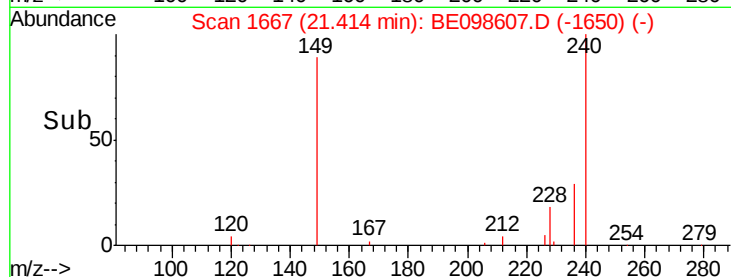
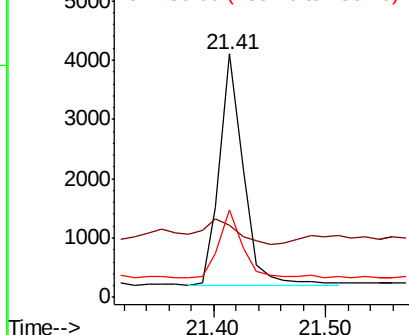
240 100

120 29.6 9.5 14.3#

236 35.9 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: 0.207 ng

RT: 19.65 min Scan# 1493

Delta R.T. 0.02 min

Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

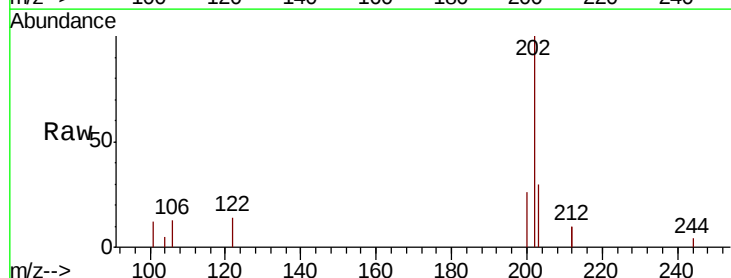
Tgt Ion:202 Resp: 3730

Ion Ratio Lower Upper

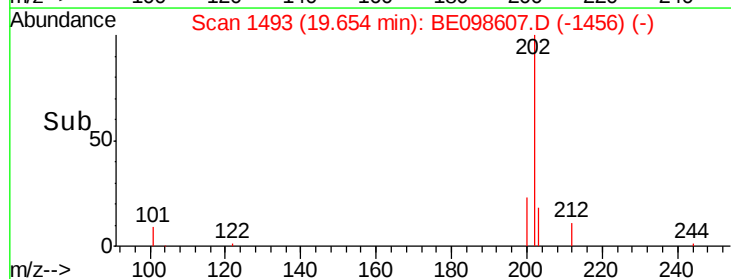
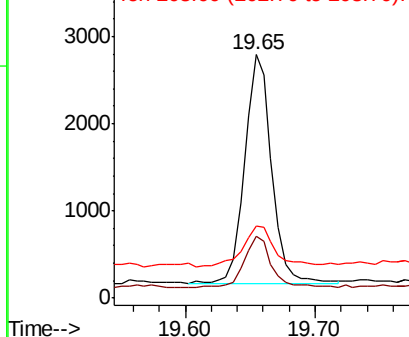
202 100

200 22.8 16.7 25.1

203 20.3 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: 0.210 ng

RT: 19.86 min Scan# 1529

Delta R.T. 0.02 min

Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

Instrument :

BNA_E

ClientSampleId :

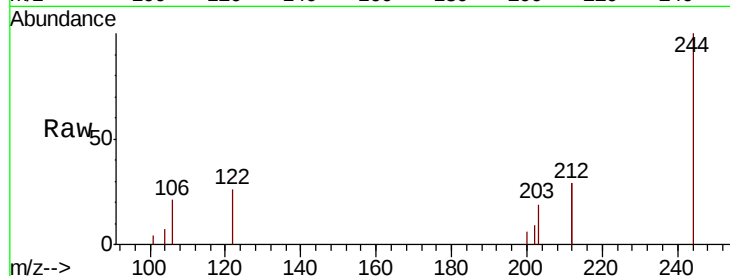
Tot Ion:244 Resp: 2924

Ion Ratio Lower Upper

244 100

212 58.4 27.4 41.0#

122 25.5 8.3 12.5#

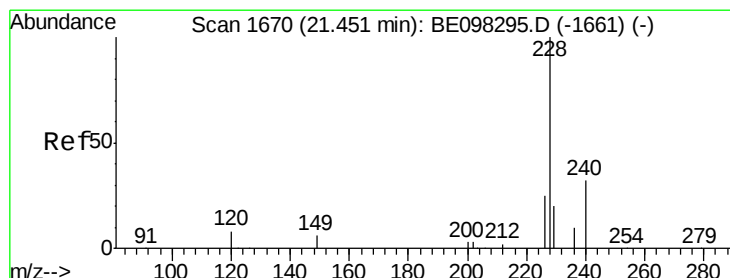
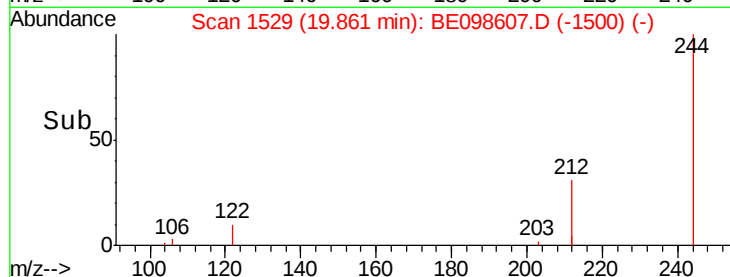
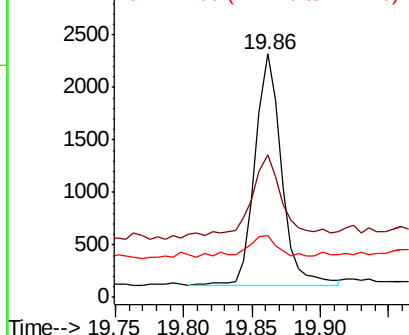


Abundance

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: 0.250 ng

RT: 21.40 min Scan# 1666

Delta R.T. 0.01 min

Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

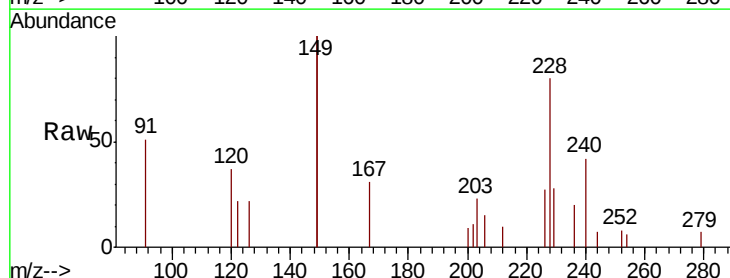
Tgt Ion:228 Resp: 4085

Ion Ratio Lower Upper

228 100

226 34.2 21.8 32.8#

229 35.3 16.3 24.5#

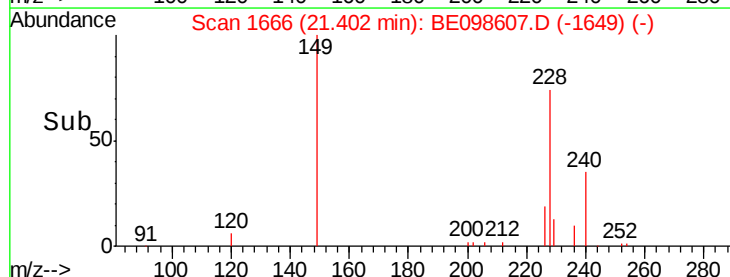
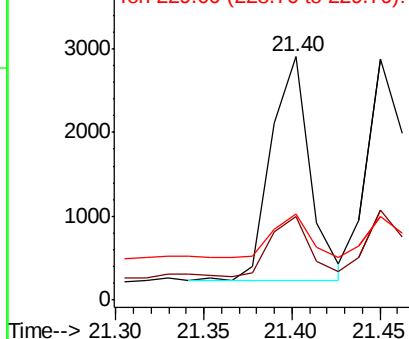


Abundance

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: 0.233 ng

RT: 21.45 min Scan# 1670

Delta R.T. 0.01 min

Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

Instrument :

BNA_E

ClientSampleId :

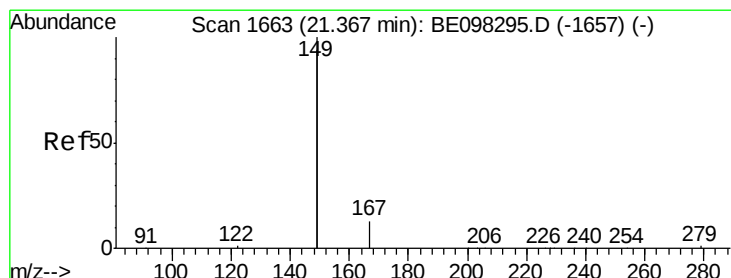
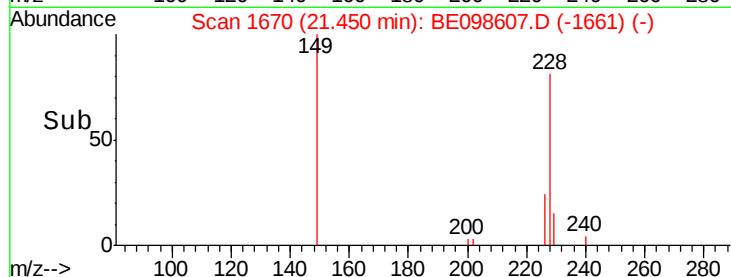
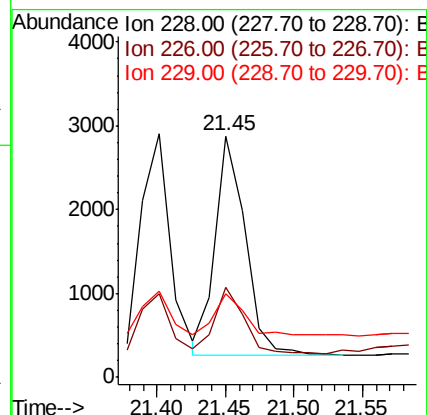
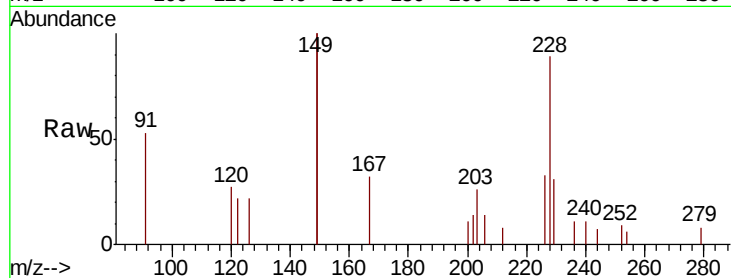
Tot Ion:228 Resp: 3984

Ion Ratio Lower Upper

228 100

226 37.5 23.4 35.0#

229 34.6 16.2 24.4#



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.442 ng

RT: 21.32 min Scan# 1659

Delta R.T. 0.01 min

Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

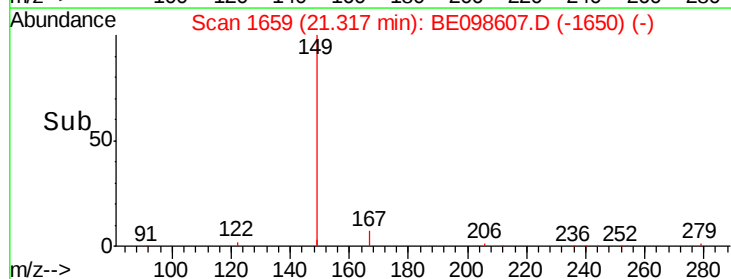
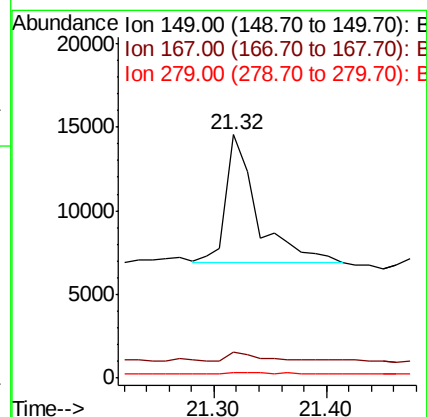
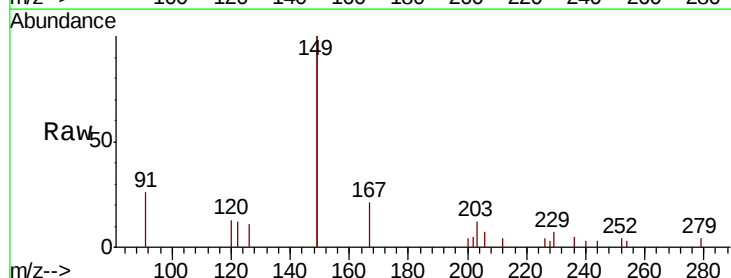
Tgt Ion:149 Resp: 14692

Ion Ratio Lower Upper

149 100

167 5.9 5.7 8.5

279 1.7 1.0 1.4#





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.334 ng

RT: 26.58 min Scan# 2989

Delta R.T. -0.06 min

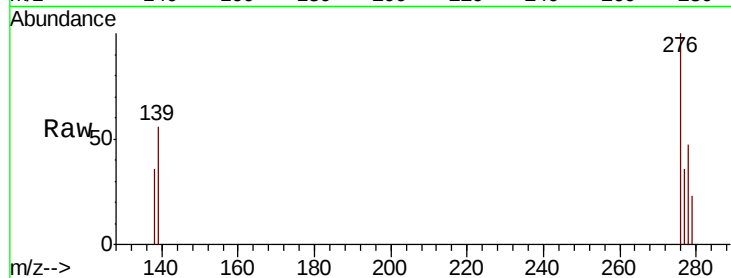
Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

Instrument :

BNA_E

ClientSampleId :



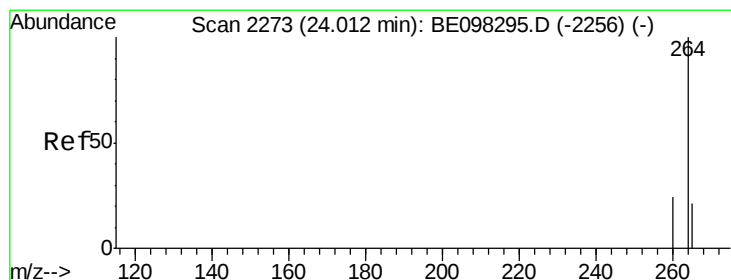
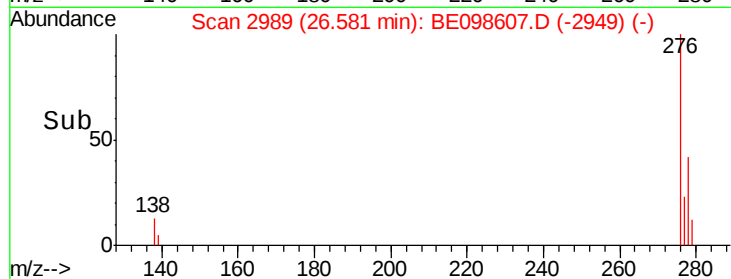
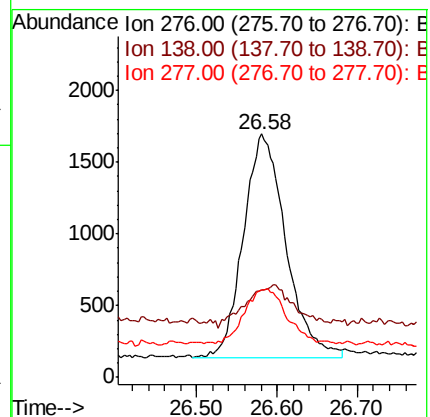
Tot Ion:276 Resp: 5696

Ion Ratio Lower Upper

276 100

138 22.3 16.3 24.5

277 25.1 20.2 30.4



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.93 min Scan# 2250

Delta R.T. -0.02 min

Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

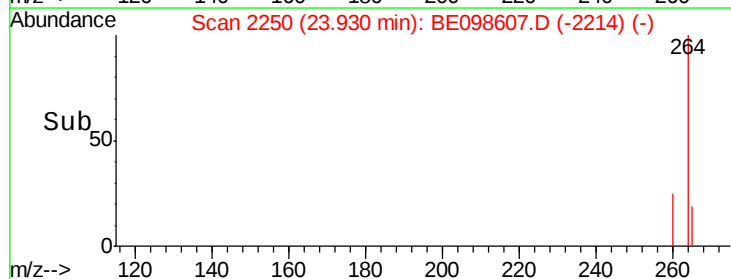
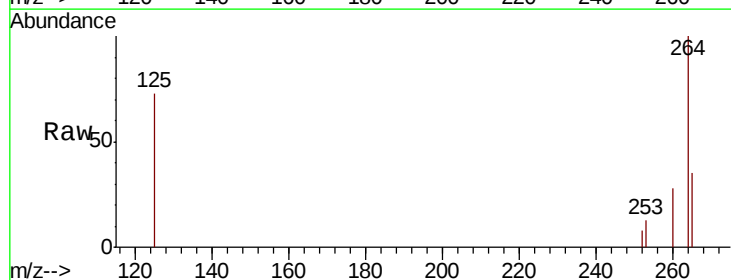
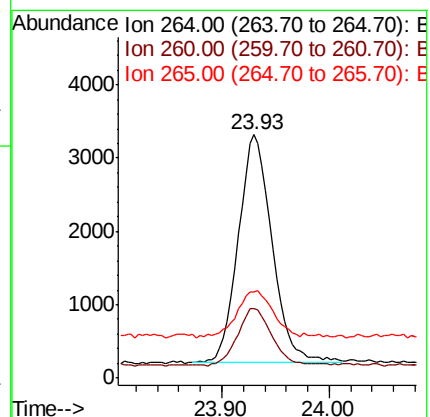
Tgt Ion:264 Resp: 6781

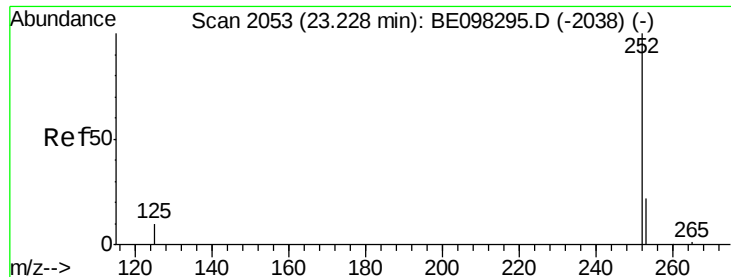
Ion Ratio Lower Upper

264 100

260 28.5 20.2 30.2

265 35.5 25.2 37.8

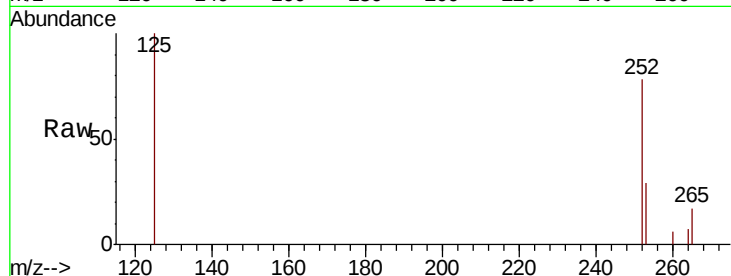




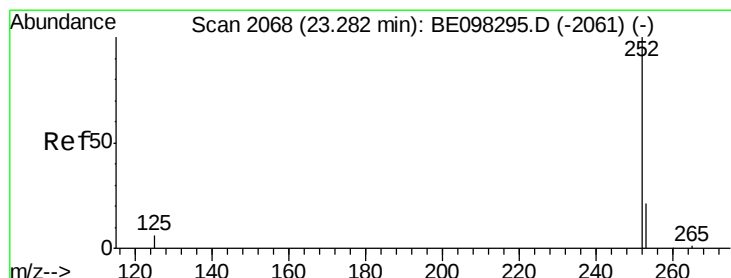
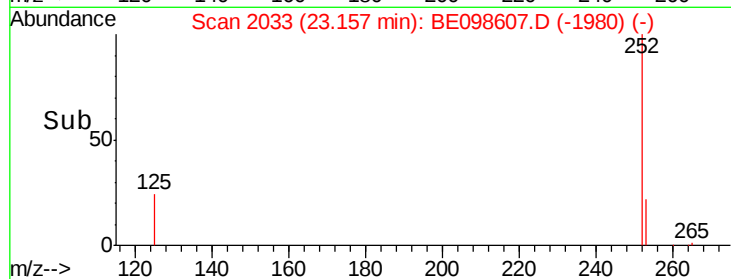
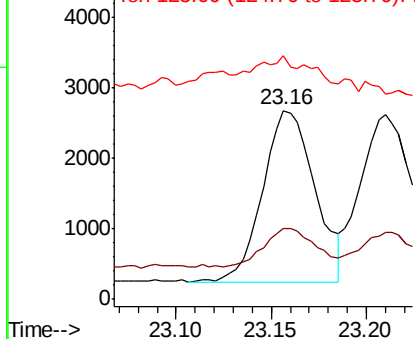
#35
Benzo(b)fluoranthene
Concen: 0.249 ng
RT: 23.16 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BE098607.D
Acq: 2 Jan 2019 14:40

Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 4626
Ion Ratio Lower Upper
252 100
253 37.3 20.0 30.0#
125 128.9 9.6 14.4#

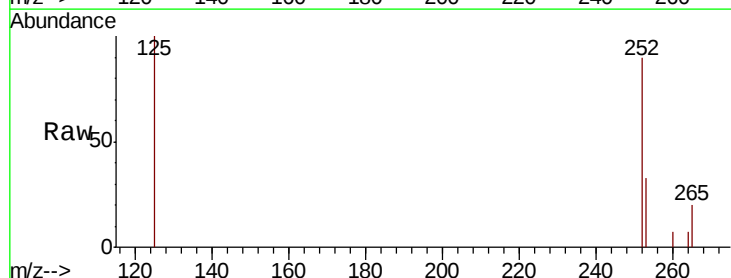


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

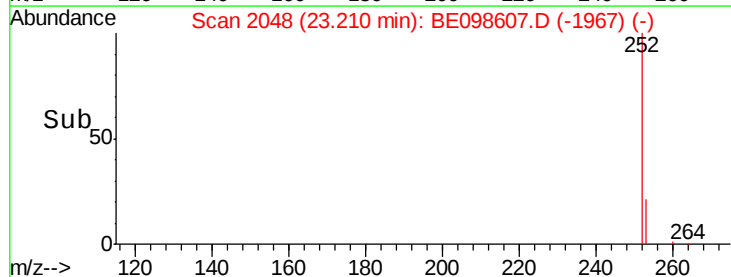
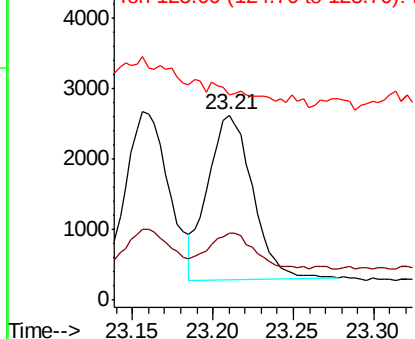


#36
Benzo(k)fluoranthene
Concen: 0.210 ng
RT: 23.21 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BE098607.D
Acq: 2 Jan 2019 14:40

Tgt Ion:252 Resp: 4535
Ion Ratio Lower Upper
252 100
253 36.3 19.0 28.6#
125 110.9 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: 0.239 ng

RT: 23.82 min Scan# 2218

Delta R.T. -0.02 min

Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

Instrument :

BNA_E

ClientSampleId :

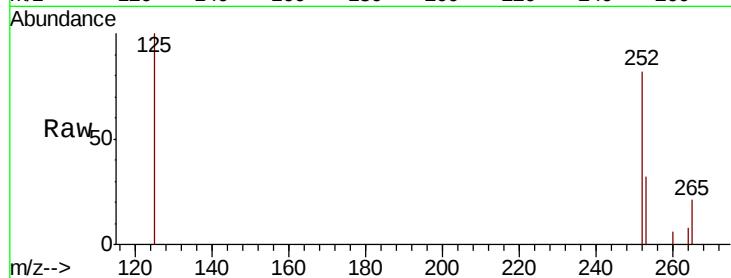
Tot Ion:252 Resp: 4581

Ion Ratio Lower Upper

252 100

253 38.4 20.6 30.8#

125 121.3 10.5 15.7#

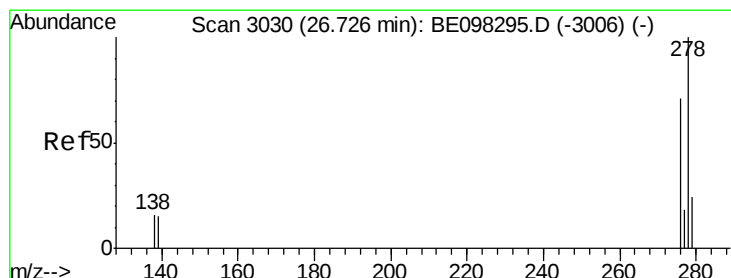
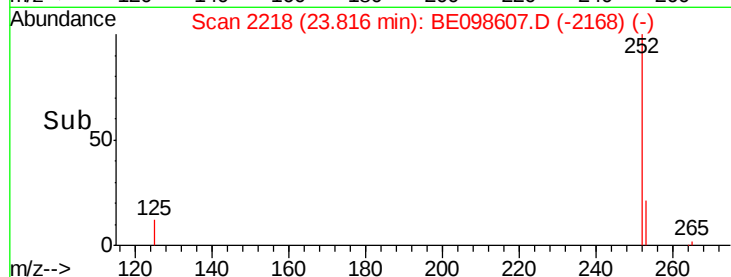
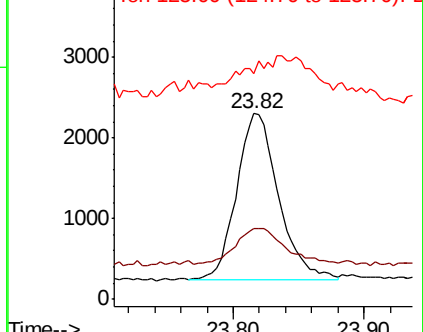


Abundance

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: 0.258 ng

RT: 26.60 min Scan# 2995

Delta R.T. -0.06 min

Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

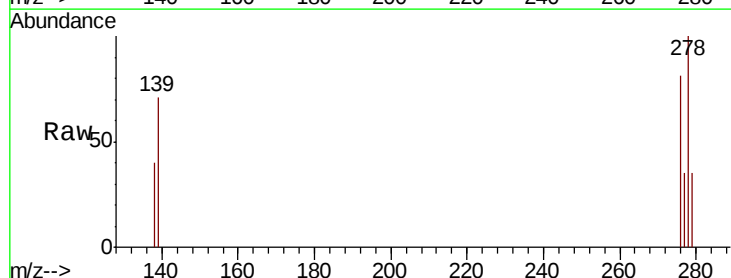
Tgt Ion:278 Resp: 4657

Ion Ratio Lower Upper

278 100

139 70.8 14.5 21.7#

279 35.4 21.8 32.8#

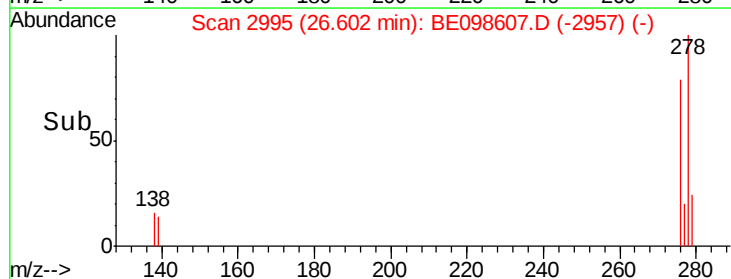
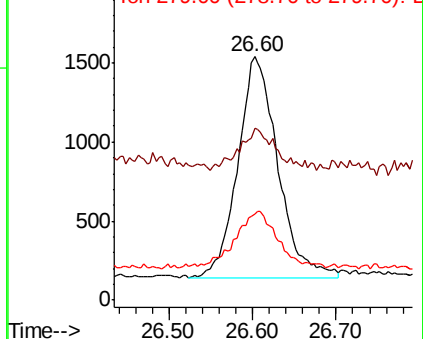


Abundance

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: 0.273 ng

RT: 27.40 min Scan# 3219

Delta R.T. -0.06 min

Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

Instrument :

BNA_E

ClientSampleId :

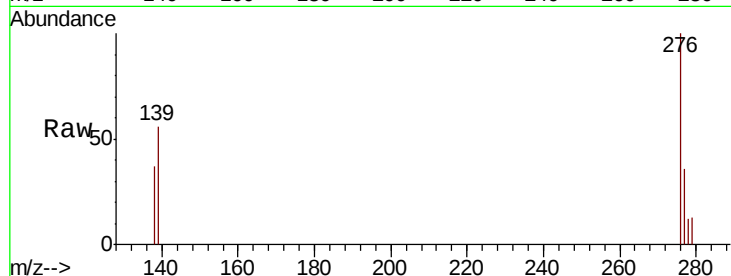
Tot Ion:276 Resp: 4961

Ion Ratio Lower Upper

276 100

277 36.4 20.8 31.2#

138 36.6 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

