

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE010219\
 Data File : BE098604.D
 Acq On : 2 Jan 2019 12:14
 Operator : SJ/JU
 Sample : J659-03MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jan 02 13:30:12 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	7.81	152	942	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	3798	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	2510	0.40	ng	0.00
19) Phenanthrene-d10	17.22	188	5202	0.40	ng	0.00
27) Chrysene-d12	21.43	240	8337	0.40	ng	0.02
34) Perylene-d12	23.96	264	7261	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.40	112	1231	0.56	ng	0.02
5) Phenol-d6	6.99	99	1945	0.62	ng	0.00
8) Nitrobenzene-d5	8.96	82	1791	0.52	ng	0.00
11) 2-Methylnaphthalene-d10	12.21	152	3818	0.62	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	551	0.60	ng	0.01
15) 2-Fluorobiphenyl	13.09	172	3560	0.34	ng	0.00
25) Fluoranthene-d10	19.26	212	28510	0.43	ng	0.01
29) Terphenyl-d14	19.86	244	6343	0.31	ng	0.01

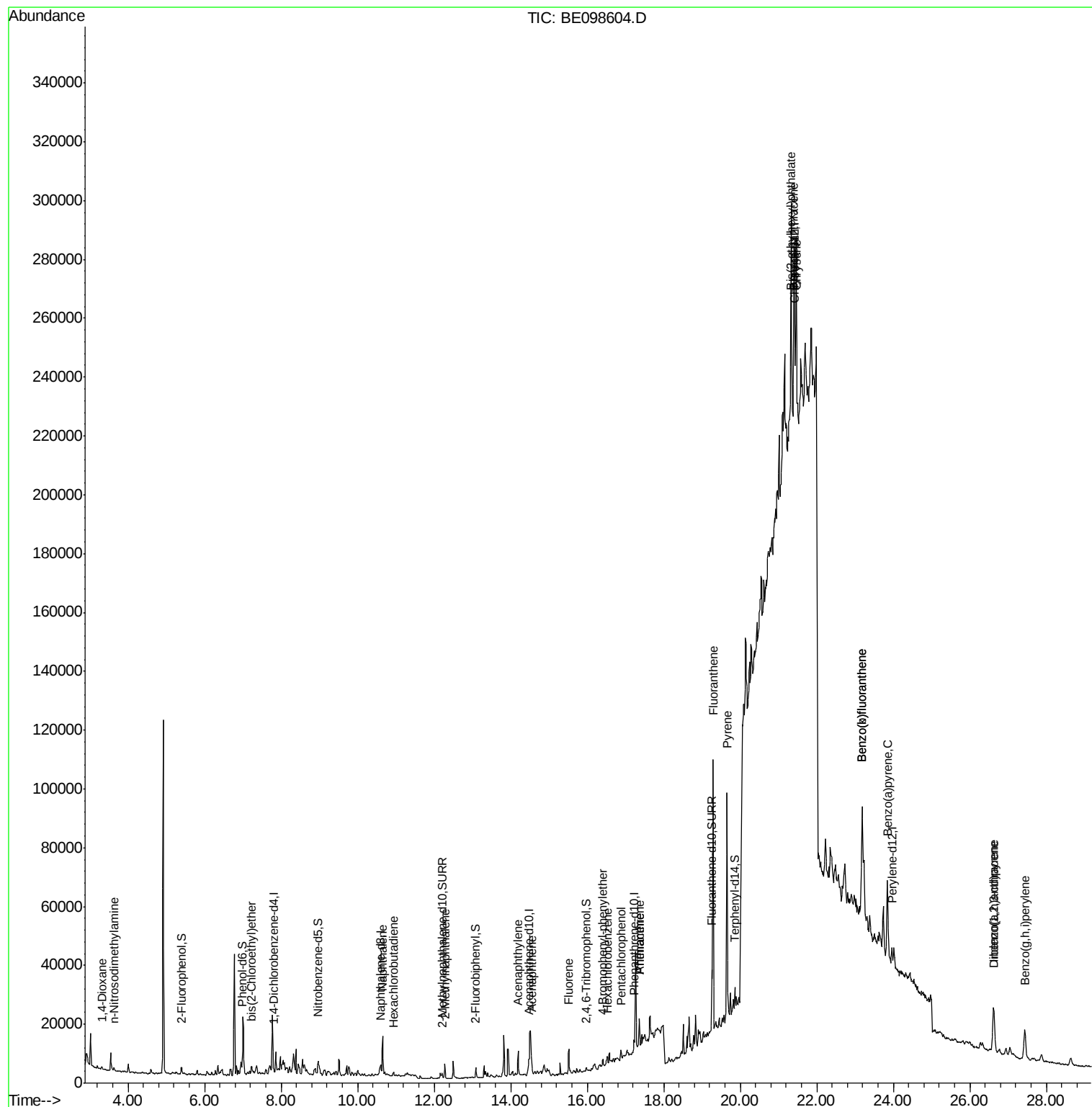
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.32	88	463	0.284	ng	# 24
3) n-Nitrosodimethylamine	3.63	42	725	0.494	ng	# 100
6) bis(2-Chloroethyl)ether	7.23	93	1202	0.405	ng	# 74
9) Naphthalene	10.65	128	23040	0.603	ng	99
10) Hexachlorobutadiene	10.94	225	920	0.378	ng	98
12) 2-Methylnaphthalene	12.28	142	3562	0.574	ng	96
16) Acenaphthylene	14.20	152	9495	0.807	ng	96
17) Acenaphthene	14.54	154	3347	0.474	ng	97
18) Fluorene	15.52	166	5641	0.597	ng	# 93
20) 4-Bromophenyl-phenylether	16.42	248	1136	0.406	ng	# 62
21) Hexachlorobenzene	16.53	284	1094	0.363	ng	# 72
22) Pentachlorophenol	16.88	266	1371	1.908	ng	97
23) Phenanthrene	17.36	178	11691	0.925	ng	98
24) Anthracene	17.36	178	11394	1.011	ng	98
26) Fluoranthene	19.29	202	81709	4.885	ng	# 97
28) Pyrene	19.65	202	75396	2.882	ng	# 91
30) Benzo(a)anthracene	21.40	228	56054	2.361	ng	# 85
31) Chrysene	21.46	228	53767	2.162	ng	# 85
32) Bis(2-ethylhexyl)phthalate	21.33	149	109706	2.275	ng	100
33) Indeno(1,2,3-cd)pyrene	26.62	276	29547	1.194	ng	# 91
35) Benzo(b)fluoranthene	23.19	252	65655	3.306	ng	# 1
36) Benzo(k)fluoranthene	23.19	252	65655	2.838	ng	# 1
37) Benzo(a)pyrene	23.84	252	44535	2.174	ng	# 1
38) Dibenzo(a,h)anthracene	26.64	278	11415	0.591	ng	# 1
39) Benzo(g,h,i)perylene	27.44	276	26981	1.387	ng	# 76

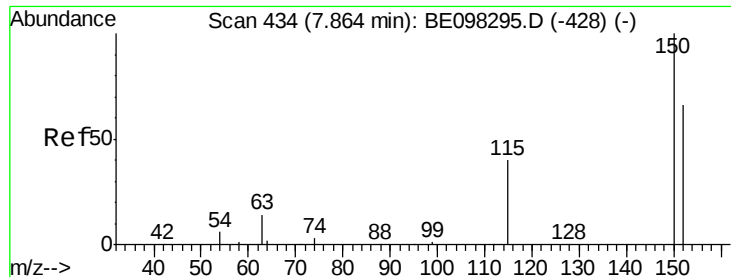
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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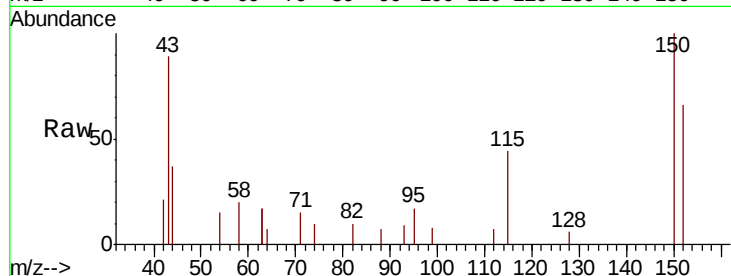


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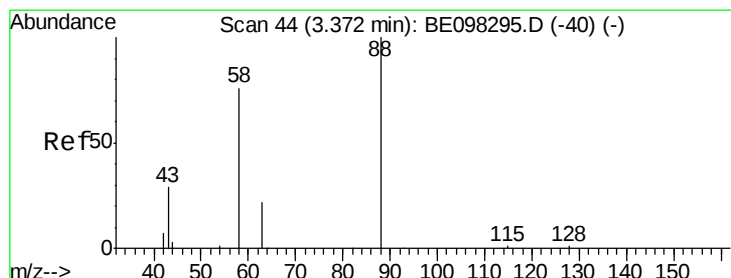
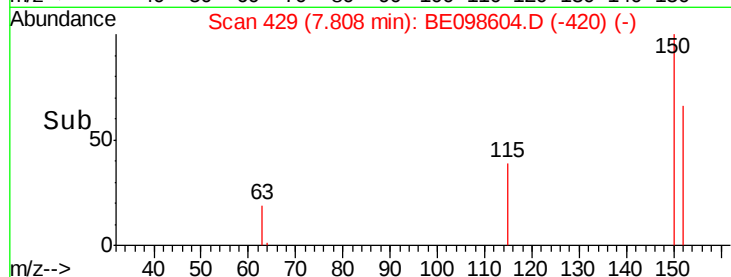
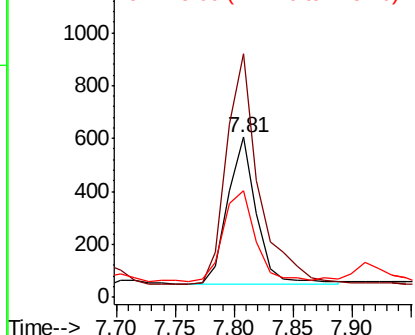
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.81 min Scan# 429
Delta R.T. 0.00 min
Lab File: BE098604.D
Acq: 2 Jan 2019 12:14

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 942
Ion Ratio Lower Upper
152 100
150 152.1 124.2 186.4
115 66.8 53.9 80.9



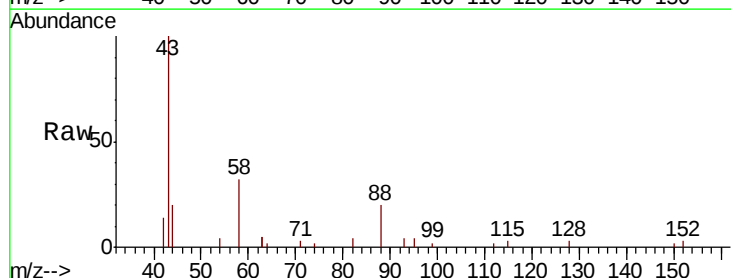
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



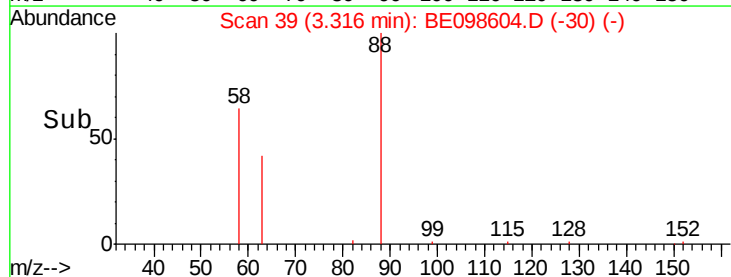
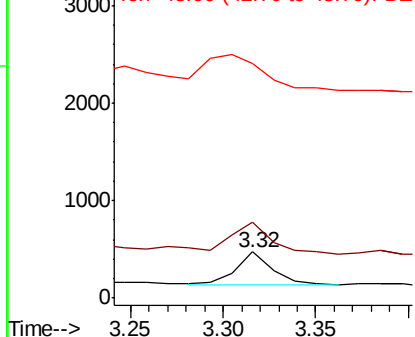
#2

1,4-Dioxane
Concen: 0.284 ng
RT: 3.32 min Scan# 39
Delta R.T. 0.00 min
Lab File: BE098604.D
Acq: 2 Jan 2019 12:14

Tgt Ion: 88 Resp: 463
Ion Ratio Lower Upper
88 100
58 111.2 75.0 112.6
43 174.7 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



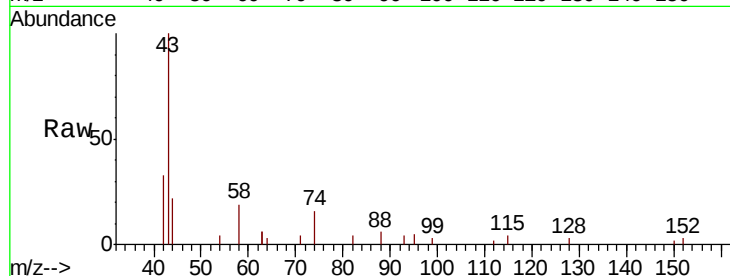


#3

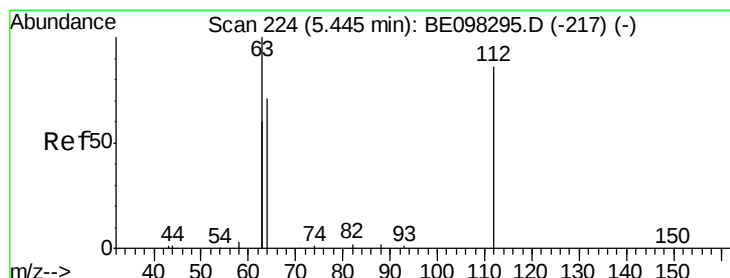
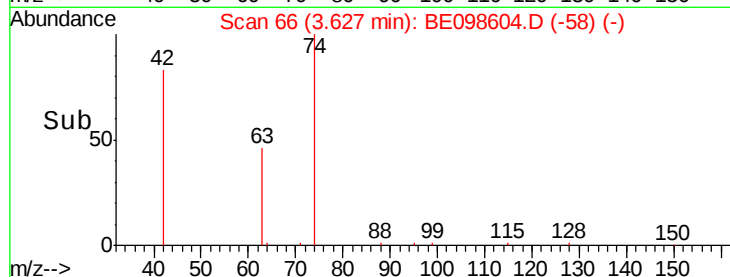
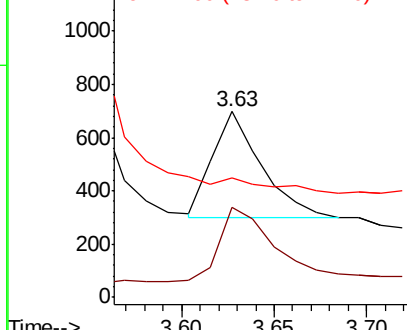
n-Nitrosodimethylamine
Concen: 0.494 ng
RT: 3.63 min Scan# 66
Delta R.T. -0.01 min
Lab File: BE098604.D
Acq: 2 Jan 2019 12:14

Instrument :
BNA_E
ClientSampled :

Tot Ion: 42 Resp: 725
Ion Ratio Lower Upper
42 100
74 84.6 0.0 0.0#
44 0.0 0.0 0.0



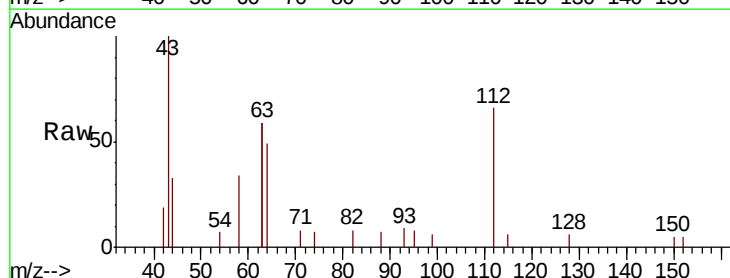
Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



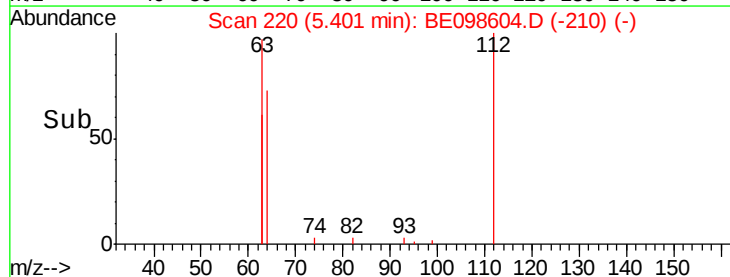
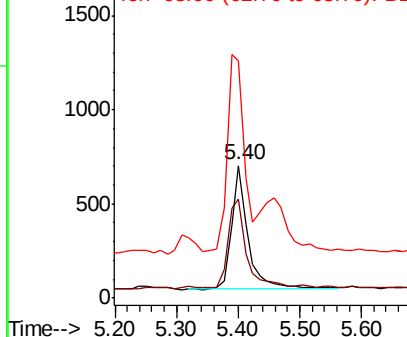
#4

2-Fluorophenol
Concen: 0.558 ng
RT: 5.40 min Scan# 220
Delta R.T. 0.02 min
Lab File: BE098604.D
Acq: 2 Jan 2019 12:14

Tgt Ion: 112 Resp: 1231
Ion Ratio Lower Upper
112 100
64 80.6 59.8 89.8
63 170.8 133.7 200.5



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: 0.623 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.00 min

Lab File: BE098604.D

Acq: 2 Jan 2019 12:14

Instrument :

BNA_E

ClientSampled :

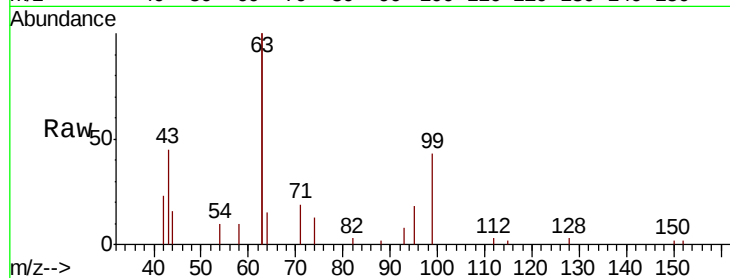
Tot Ion: 99 Resp: 1945

Ion Ratio Lower Upper

99 100

42 66.6 26.3 39.5#

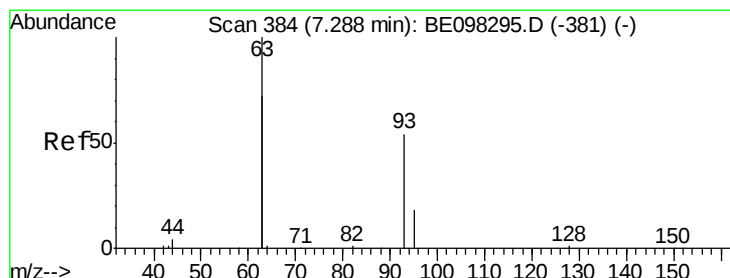
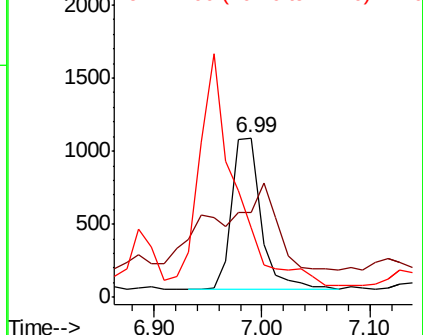
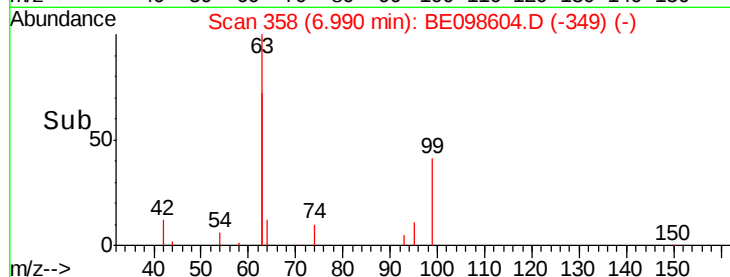
71 0.0 33.6 50.4#



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: 0.405 ng

RT: 7.23 min Scan# 379

Delta R.T. 0.00 min

Lab File: BE098604.D

Acq: 2 Jan 2019 12:14

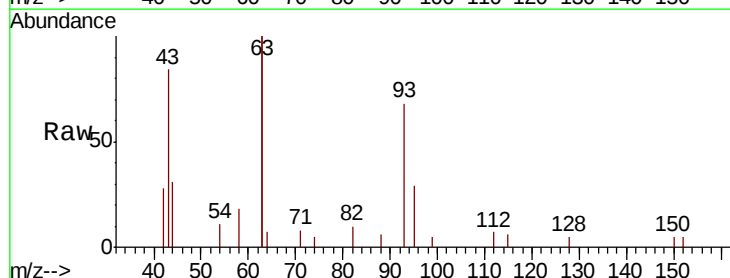
Tgt Ion: 93 Resp: 1202

Ion Ratio Lower Upper

93 100

63 387.1 264.4 396.6

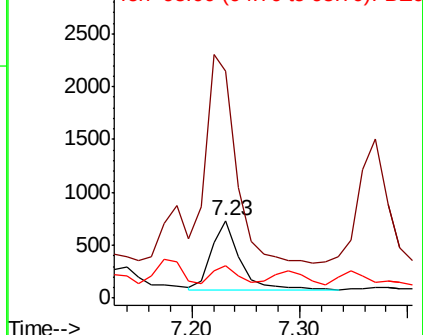
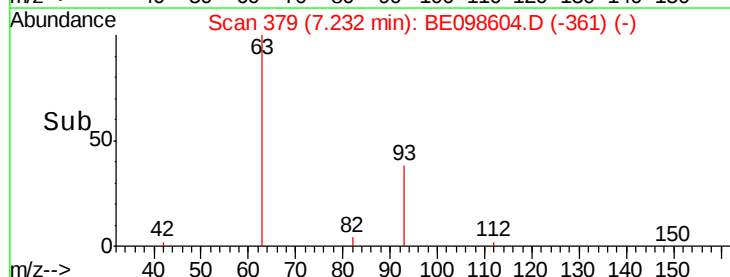
95 22.1 26.6 40.0#



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: 10.60 min Scan# 649

Delta R.T. -0.01 min

Lab File: BE098604.D

Acq: 2 Jan 2019 12:14

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 3798

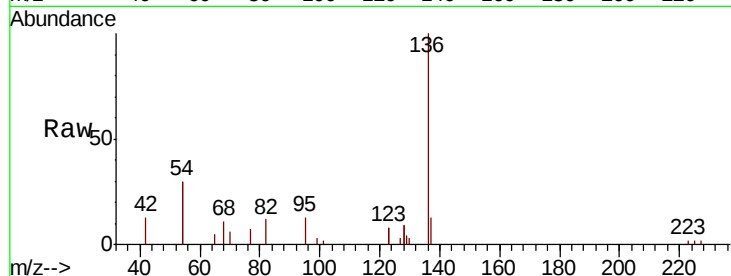
Ion Ratio Lower Upper

136 100

137 13.3 9.2 13.8

54 59.7 28.4 42.6#

68 10.8 5.4 8.0#

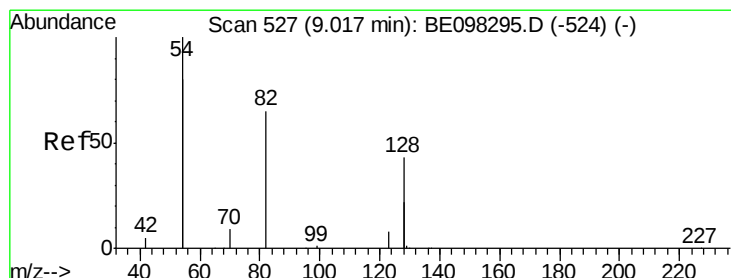
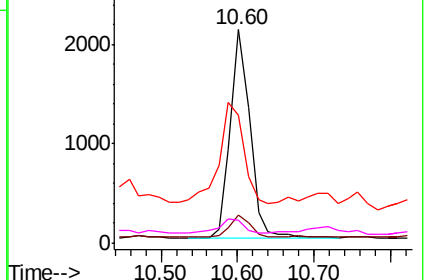
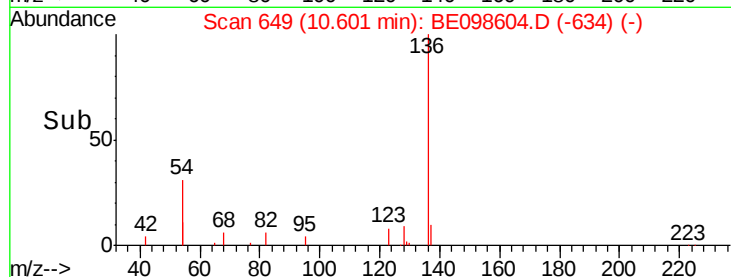


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.518 ng

RT: 8.96 min Scan# 523

Delta R.T. 0.01 min

Lab File: BE098604.D

Acq: 2 Jan 2019 12:14

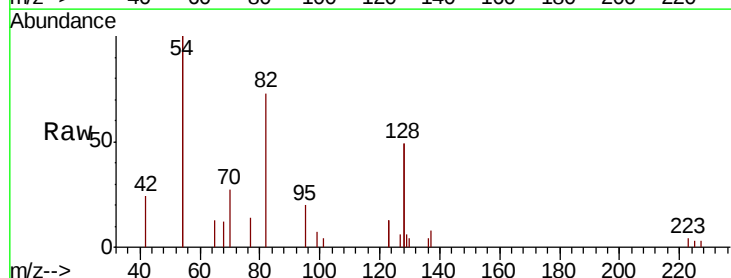
Tgt Ion: 82 Resp: 1791

Ion Ratio Lower Upper

82 100

128 134.4 102.4 153.6

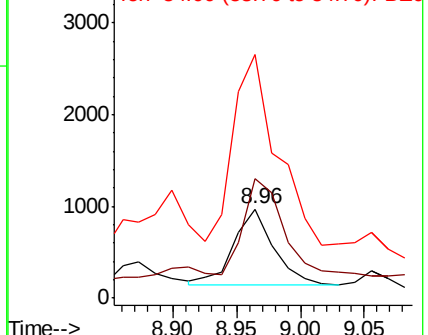
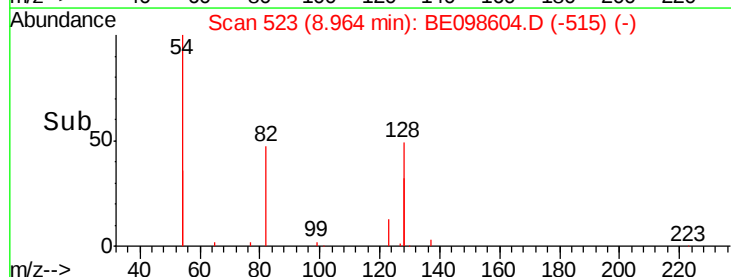
54 272.8 221.8 332.8



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: 0.603 ng

RT: 10.65 min Scan# 653

Delta R.T. 0.01 min

Lab File: BE098604.D

Acq: 2 Jan 2019 12:14

Instrument :

BNA_E

ClientSampleId :

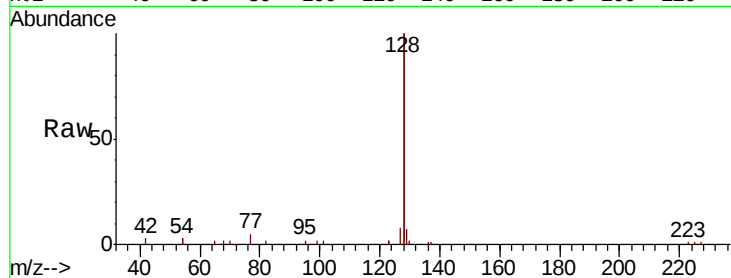
Tot Ion:128 Resp: 23040

Ion Ratio Lower Upper

128 100

129 3.5 2.5 3.7

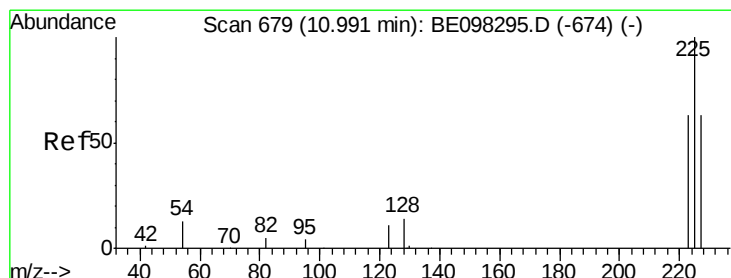
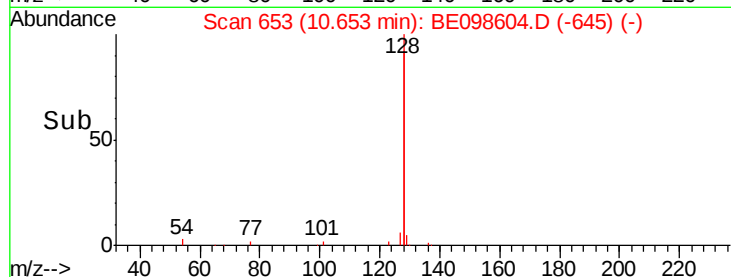
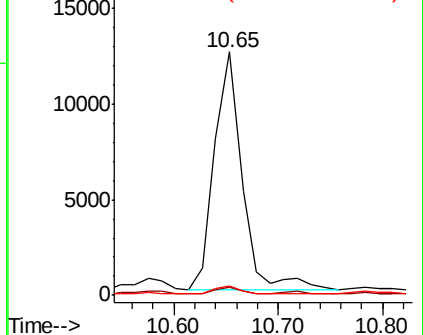
127 3.8 2.7 4.1



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: 0.378 ng

RT: 10.94 min Scan# 675

Delta R.T. 0.01 min

Lab File: BE098604.D

Acq: 2 Jan 2019 12:14

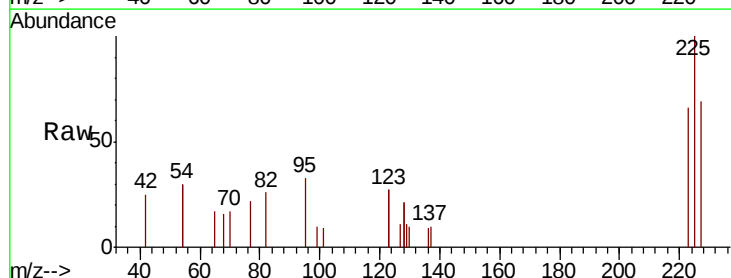
Tgt Ion:225 Resp: 920

Ion Ratio Lower Upper

225 100

223 62.8 49.4 74.0

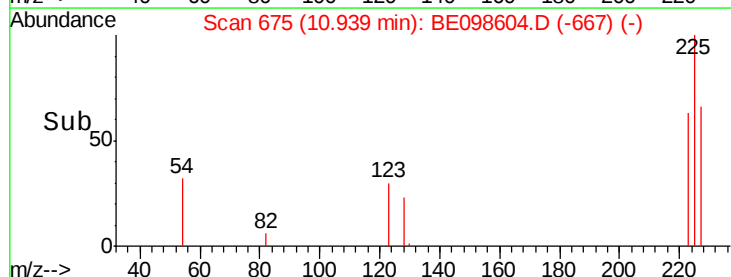
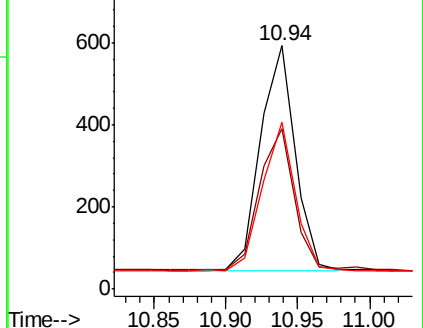
227 62.8 52.0 78.0

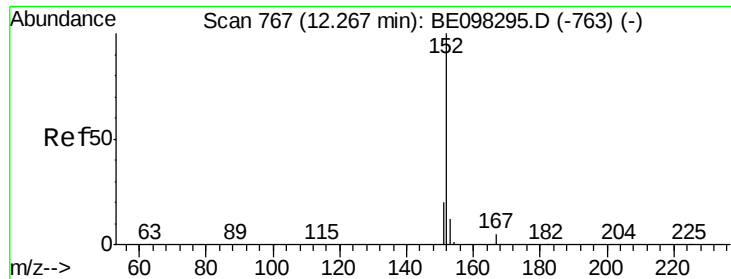


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

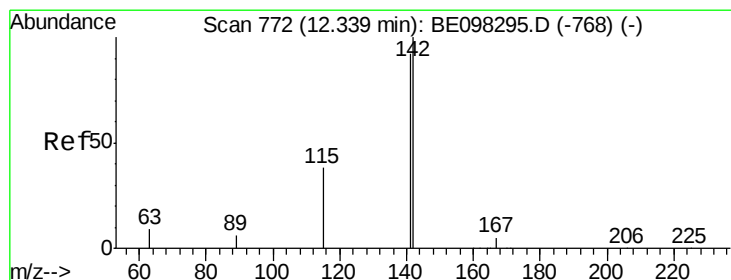
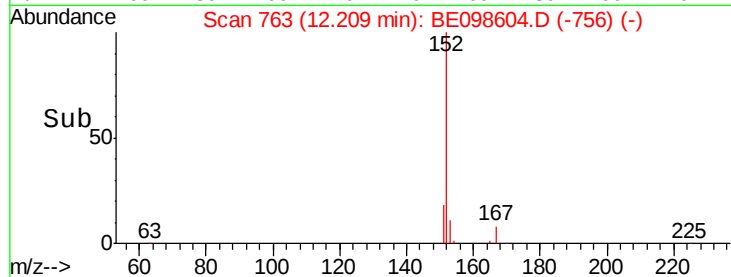
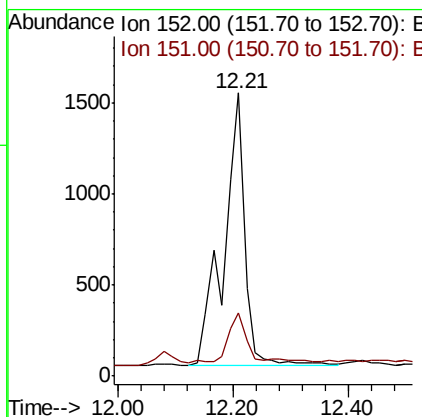
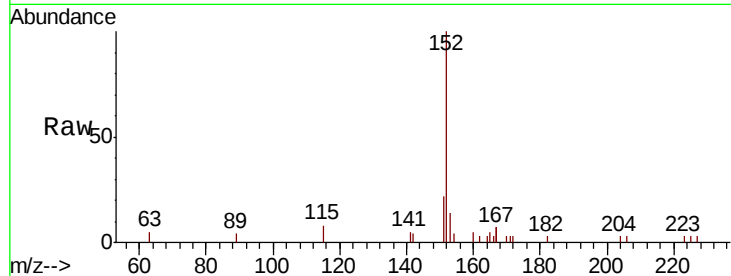




#11
 2-Methylnaphthalene-d10
 Concen: 0.618 ng
 RT: 12.21 min Scan# 763
 Delta R.T. 0.00 min
 Lab File: BE098604.D
 Acq: 2 Jan 2019 12:14

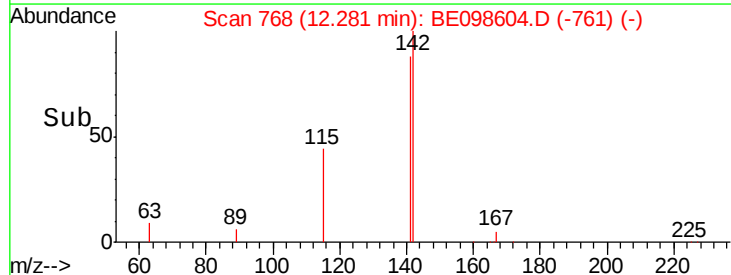
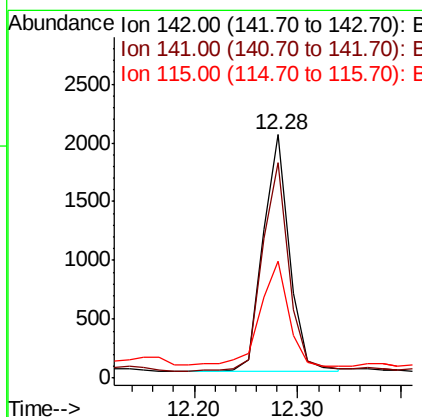
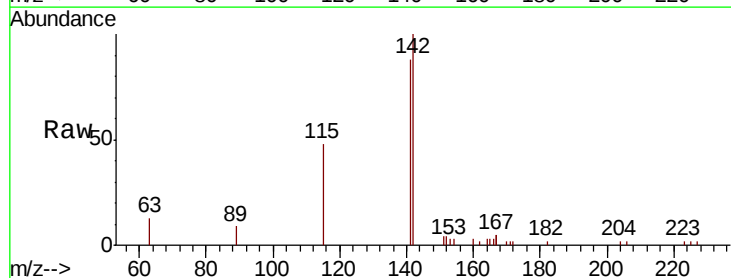
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:152 Resp: 3818
 Ion Ratio Lower Upper
 152 100
 151 16.2 16.2 24.4#



#12
 2-Methylnaphthalene
 Concen: 0.574 ng
 RT: 12.28 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: BE098604.D
 Acq: 2 Jan 2019 12:14

Tgt Ion:142 Resp: 3562
 Ion Ratio Lower Upper
 142 100
 141 88.3 71.0 106.6
 115 48.2 32.2 48.2

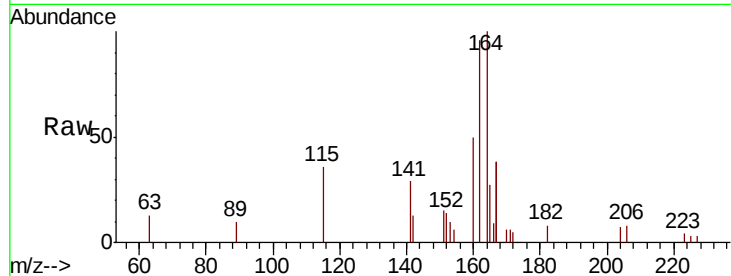




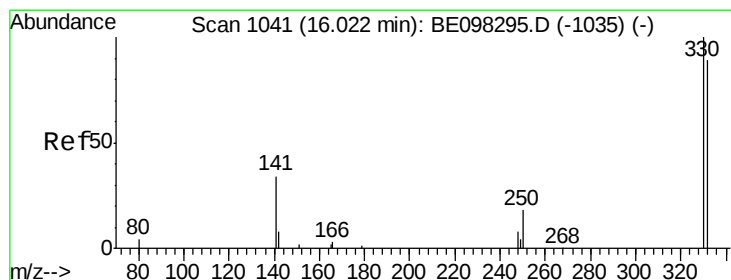
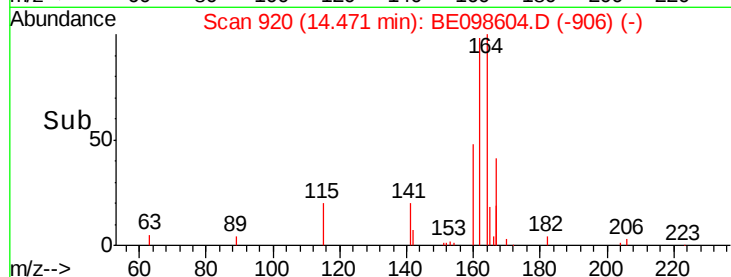
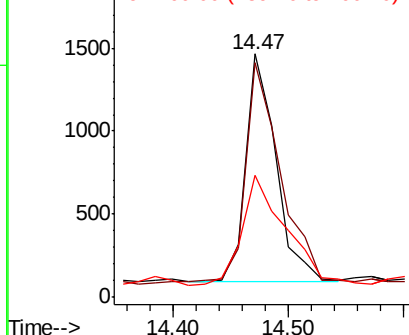
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.47 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: BE098604.D
 Acq: 2 Jan 2019 12:14

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:164 Resp: 2510
 Ion Ratio Lower Upper
 164 100
 162 96.3 77.6 116.4
 160 49.9 36.0 54.0

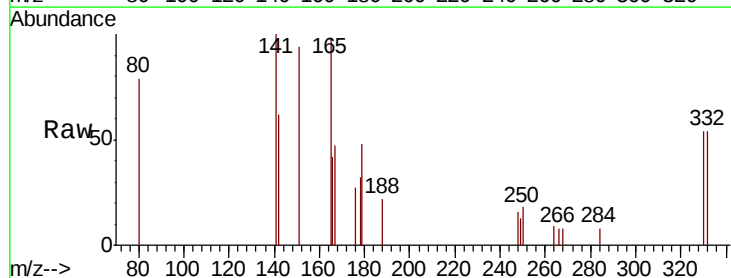


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

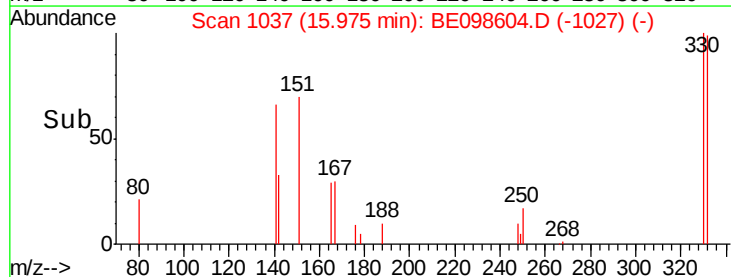
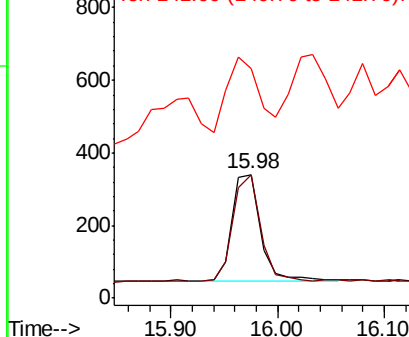


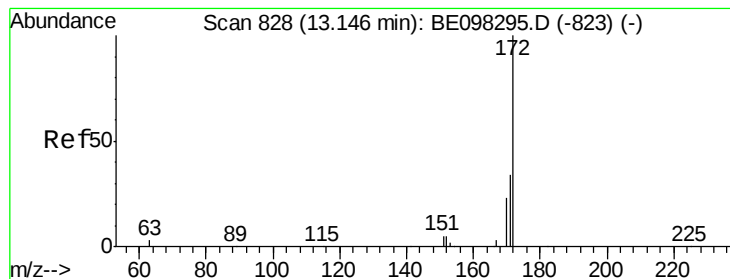
#14
 2,4,6-Tribromophenol
 Concen: 0.598 ng
 RT: 15.98 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: BE098604.D
 Acq: 2 Jan 2019 12:14

Tgt Ion:330 Resp: 551
 Ion Ratio Lower Upper
 330 100
 332 95.1 76.2 114.4
 141 76.6 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

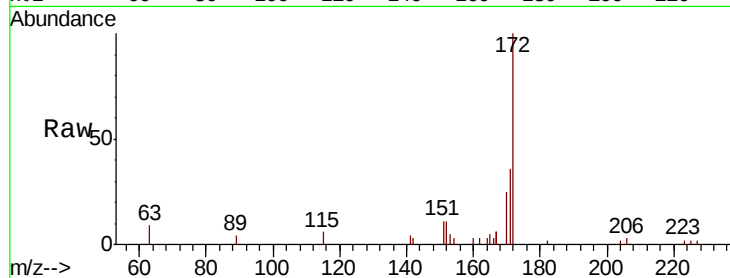




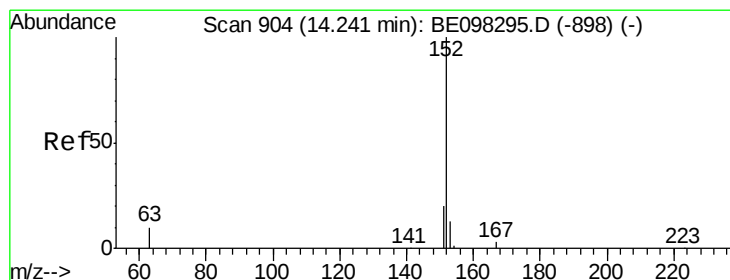
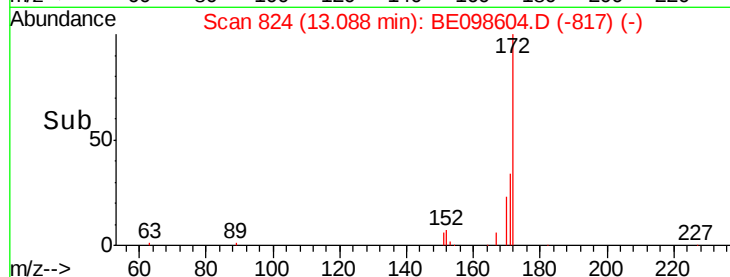
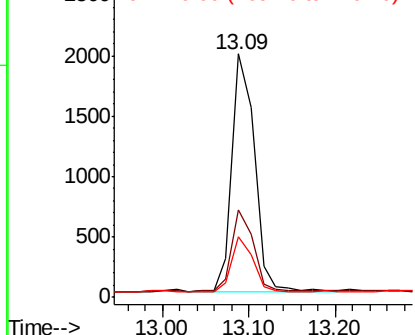
#15
2-Fluorobiphenyl
Concen: 0.336 ng
RT: 13.09 min Scan# 824
Delta R.T. 0.00 min
Lab File: BE098604.D
Acq: 2 Jan 2019 12:14

Instrument :
BNA_E
ClientSampled :

Tot Ion:172 Resp: 3560
Ion Ratio Lower Upper
172 100
171 35.8 27.5 41.3
170 24.7 19.6 29.4

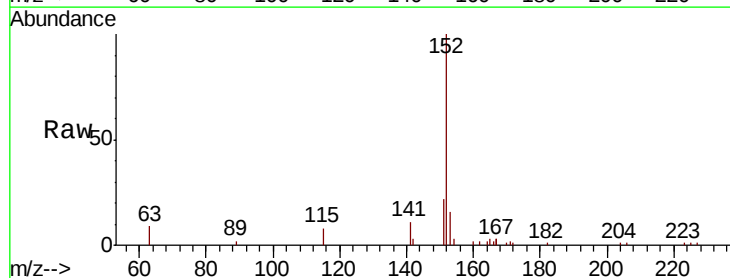


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

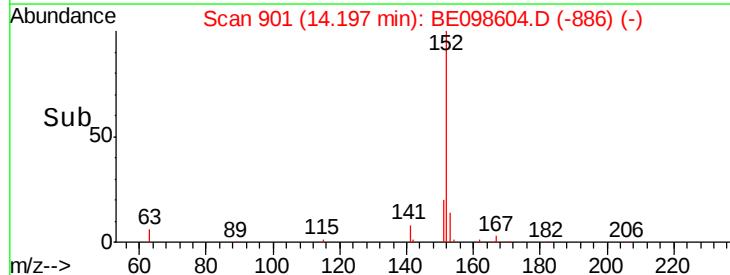
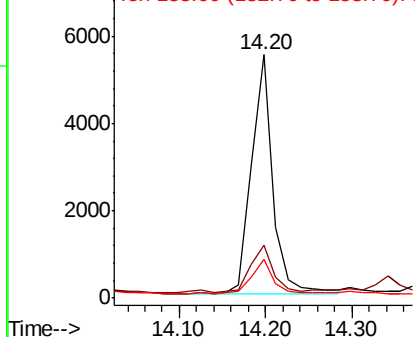


#16
Acenaphthylene
Concen: 0.807 ng
RT: 14.20 min Scan# 901
Delta R.T. 0.02 min
Lab File: BE098604.D
Acq: 2 Jan 2019 12:14

Tgt Ion:152 Resp: 9495
Ion Ratio Lower Upper
152 100
151 20.7 15.5 23.3
153 15.1 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: 0.474 ng

RT: 14.54 min Scan# 925

Delta R.T. 0.02 min

Lab File: BE098604.D

Acq: 2 Jan 2019 12:14

Instrument :

BNA_E

ClientSampleId :

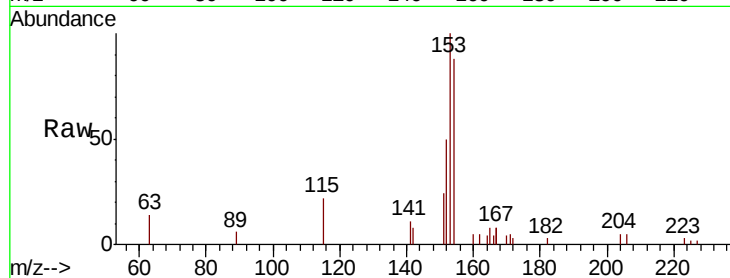
Tot Ion:154 Resp: 3347

Ion Ratio Lower Upper

154 100

153 117.4 91.8 137.6

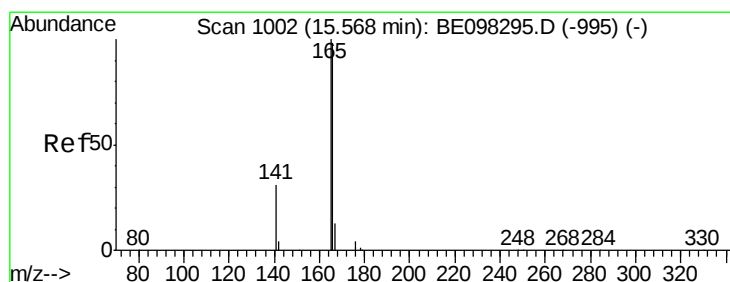
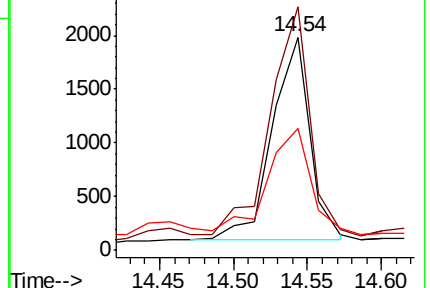
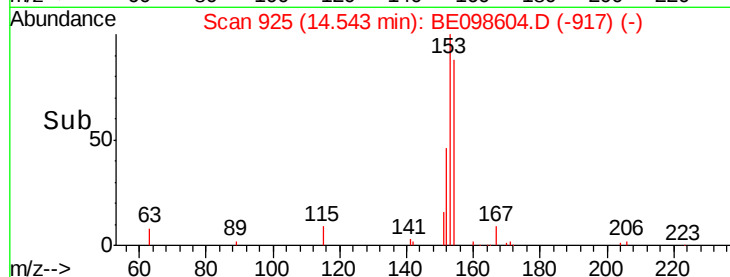
152 54.4 45.5 68.3



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: 0.597 ng

RT: 15.52 min Scan# 998

Delta R.T. 0.01 min

Lab File: BE098604.D

Acq: 2 Jan 2019 12:14

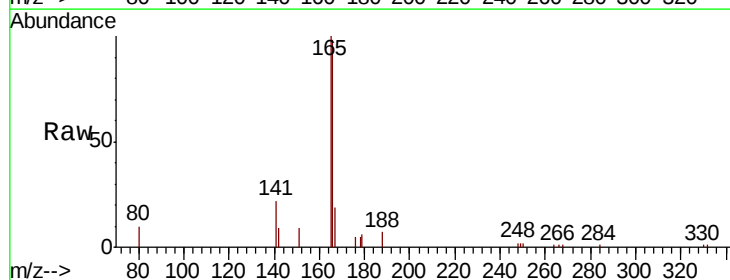
Tgt Ion:166 Resp: 5641

Ion Ratio Lower Upper

166 100

165 103.6 79.3 118.9

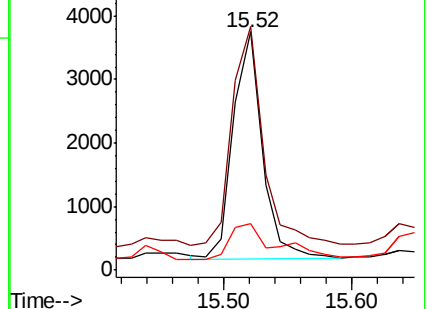
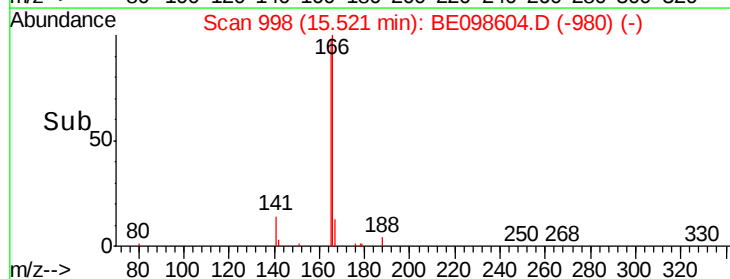
167 24.7 11.3 16.9#

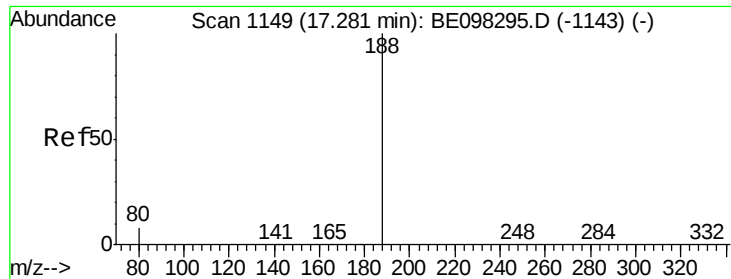


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.22 min Scan# 1144

Delta R.T. 0.00 min

Lab File: BE098604.D

Acq: 2 Jan 2019 12:14

Instrument :

BNA_E

ClientSampled :

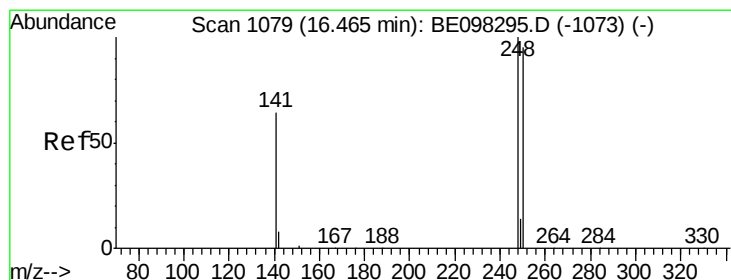
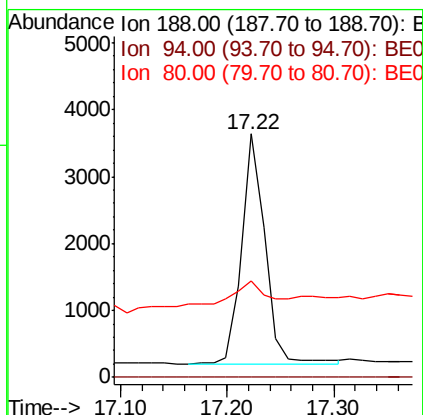
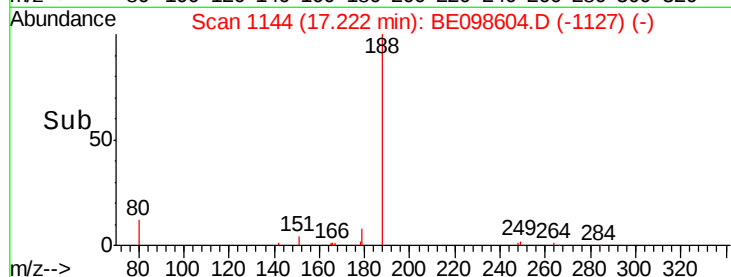
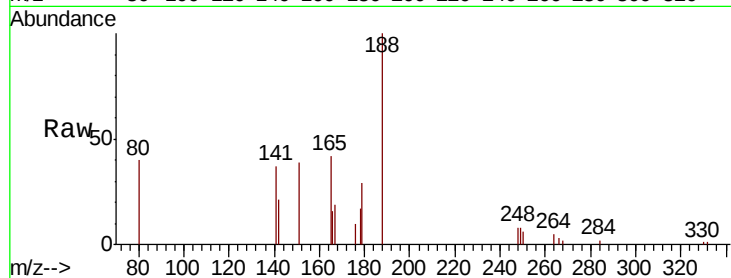
Tot Ion:188 Resp: 5202

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 39.7 7.2 10.8#



#20

4-Bromophenyl-phenylether

Concen: 0.406 ng

RT: 16.42 min Scan# 1075

Delta R.T. 0.01 min

Lab File: BE098604.D

Acq: 2 Jan 2019 12:14

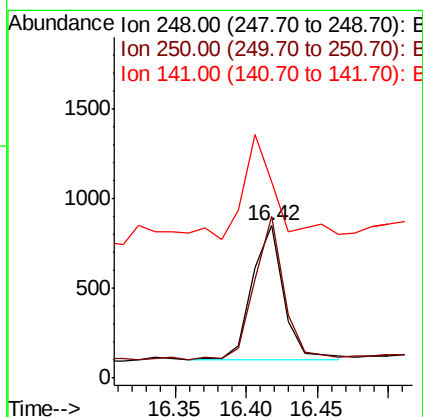
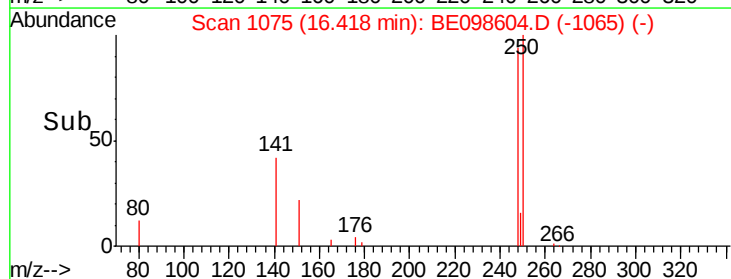
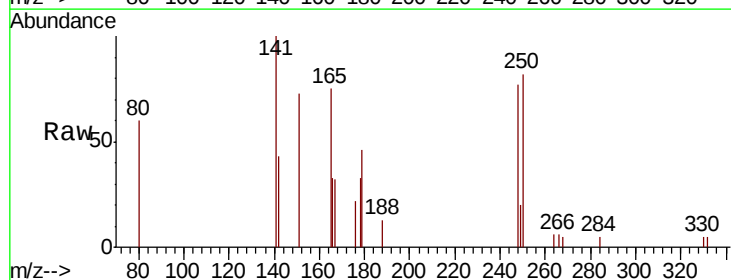
Tgt Ion:248 Resp: 1136

Ion Ratio Lower Upper

248 100

250 106.6 71.0 106.6#

141 129.3 62.1 93.1#





#21

Hexachlorobenzene

Concen: 0.363 ng

RT: 16.53 min Scan# 1085

Delta R.T. 0.01 min

Lab File: BE098604.D

Acq: 2 Jan 2019 12:14

Instrument :

BNA_E

ClientSampled :

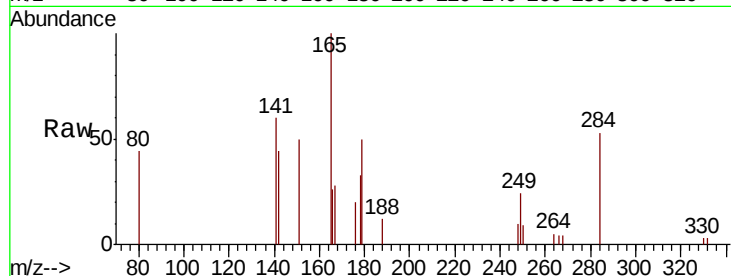
Tot Ion:284 Resp: 1094

Ion Ratio Lower Upper

284 100

142 52.8 26.3 39.5#

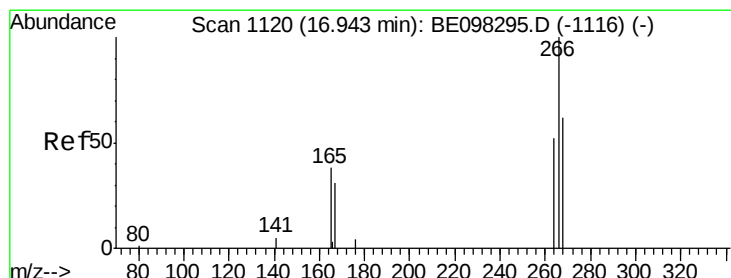
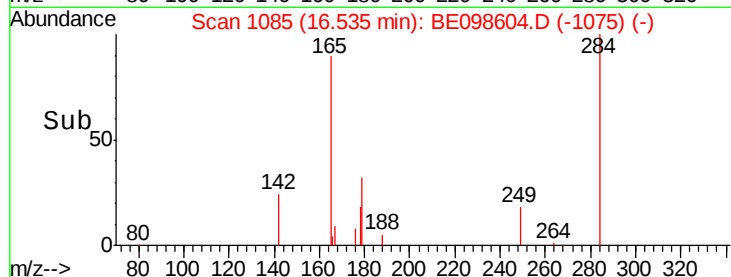
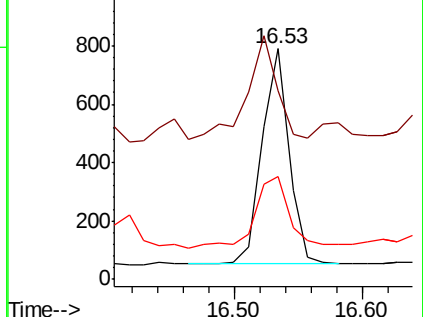
249 43.8 26.0 39.0#



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: 1.908 ng

RT: 16.88 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE098604.D

Acq: 2 Jan 2019 12:14

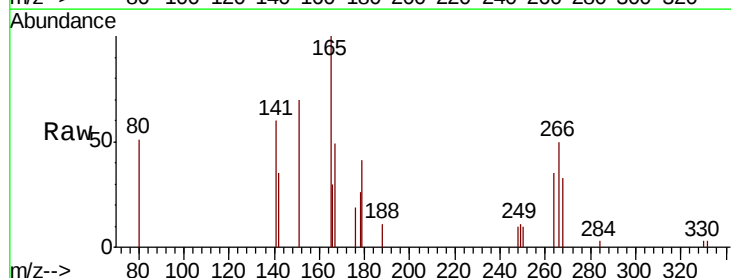
Tgt Ion:266 Resp: 1371

Ion Ratio Lower Upper

266 100

264 70.2 59.0 88.4

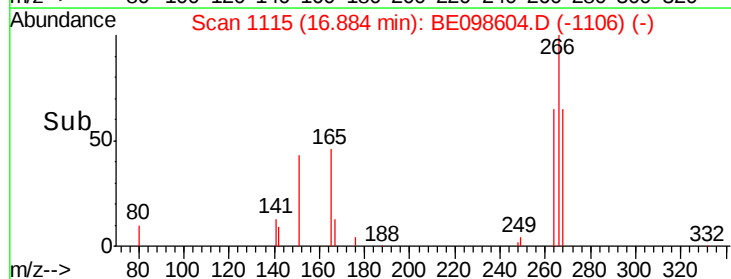
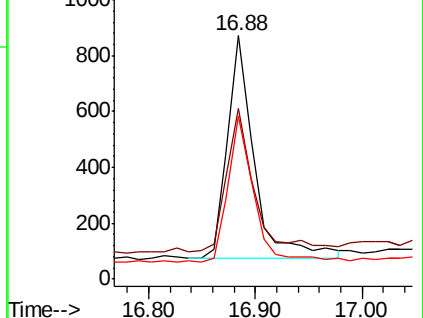
268 66.7 55.1 82.7



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: 0.925 ng

RT: 17.36 min Scan# 1156

Delta R.T. 0.11 min

Lab File: BE098604.D

Acq: 2 Jan 2019 12:14

Instrument :

BNA_E

ClientSampleId :

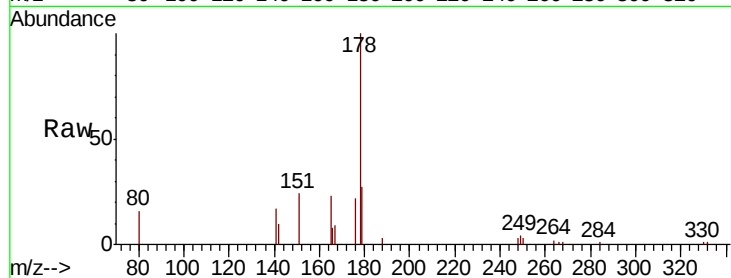
Tot Ion:178 Resp: 11691

Ion Ratio Lower Upper

178 100

176 18.9 15.9 23.9

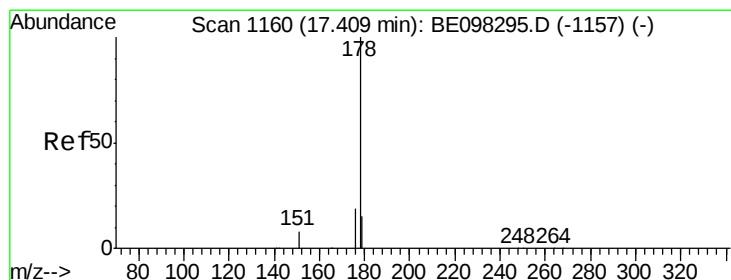
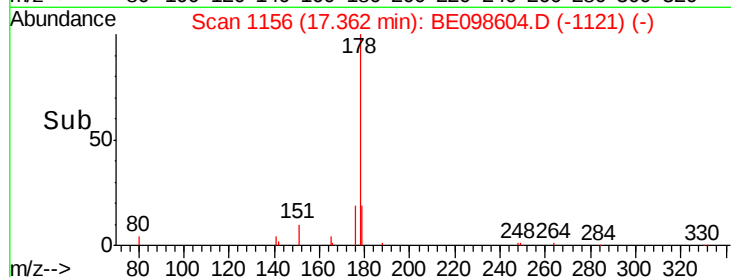
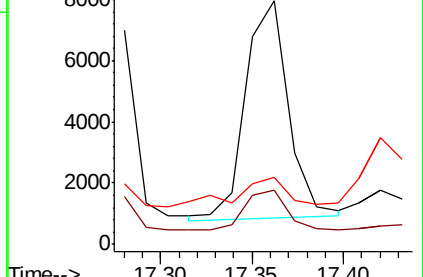
179 16.3 12.3 18.5



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 1.011 ng

RT: 17.36 min Scan# 1156

Delta R.T. 0.01 min

Lab File: BE098604.D

Acq: 2 Jan 2019 12:14

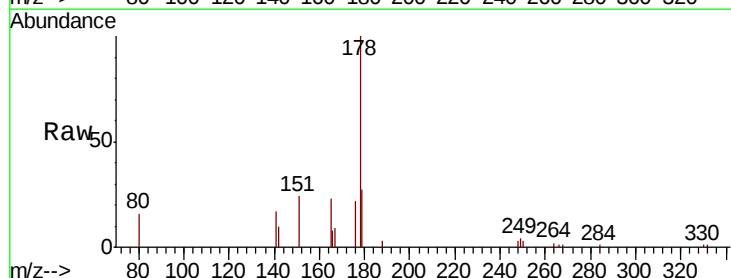
Tgt Ion:178 Resp: 11394

Ion Ratio Lower Upper

178 100

176 18.1 15.0 22.4

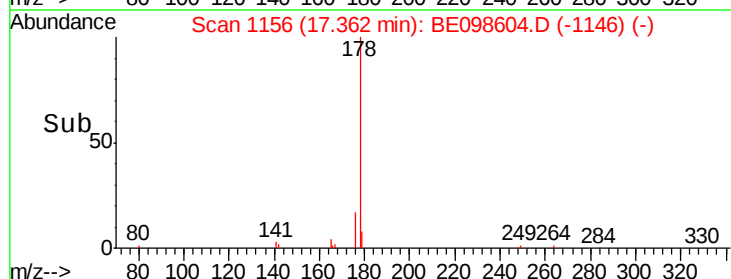
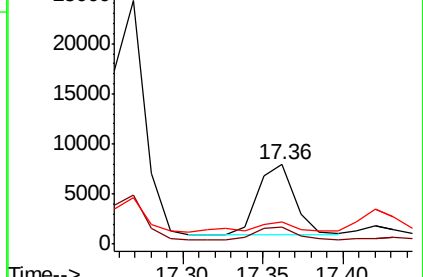
179 16.7 12.3 18.5

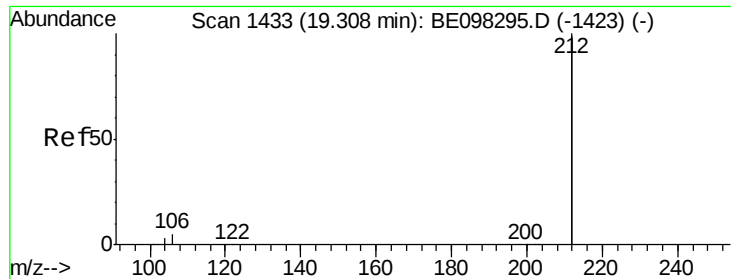


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.427 ng

RT: 19.26 min Scan# 1425

Delta R.T. 0.01 min

Lab File: BE098604.D

Acq: 2 Jan 2019 12:14

Instrument :

BNA_E

ClientSampleId :

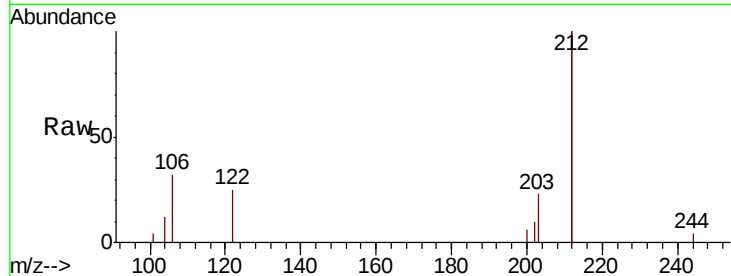
Tot Ion:212 Resp: 28510

Ion Ratio Lower Upper

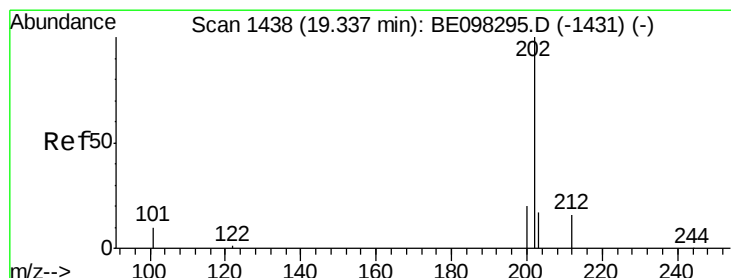
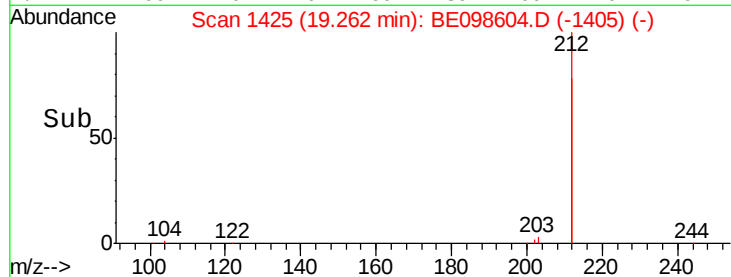
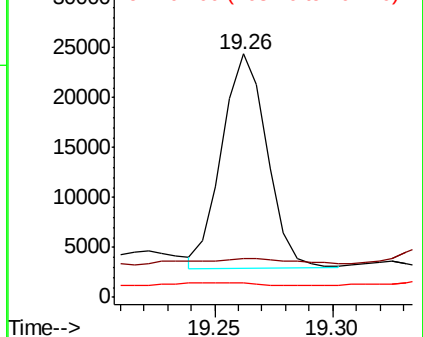
212 100

106 6.5 2.2 3.2#

104 4.7 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: 4.885 ng

RT: 19.29 min Scan# 1430

Delta R.T. 0.01 min

Lab File: BE098604.D

Acq: 2 Jan 2019 12:14

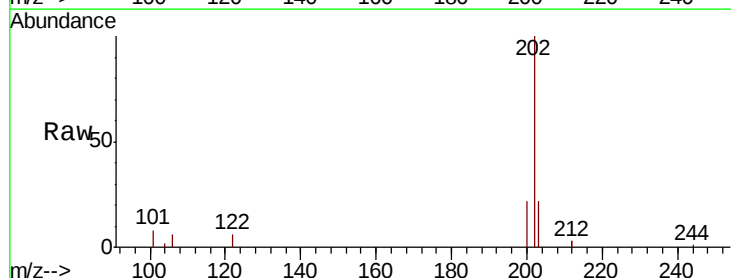
Tgt Ion:202 Resp: 81709

Ion Ratio Lower Upper

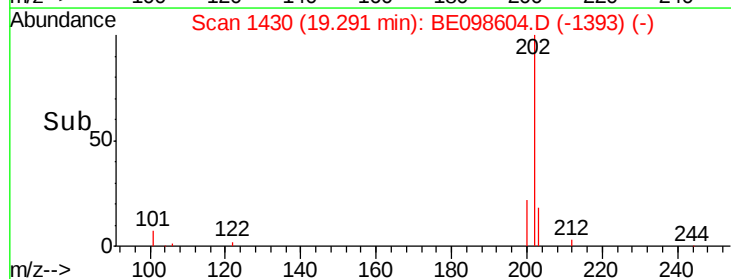
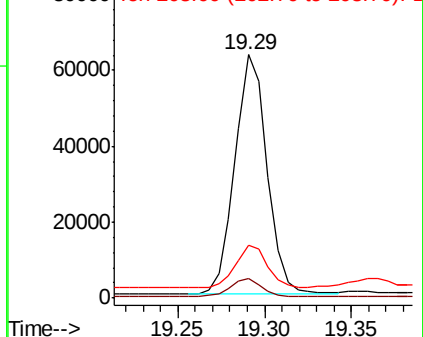
202 100

101 7.5 8.0 12.0#

203 17.4 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

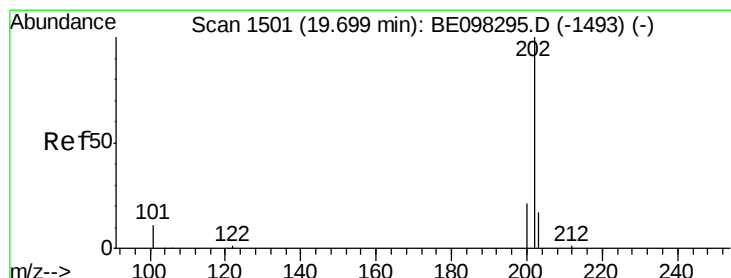
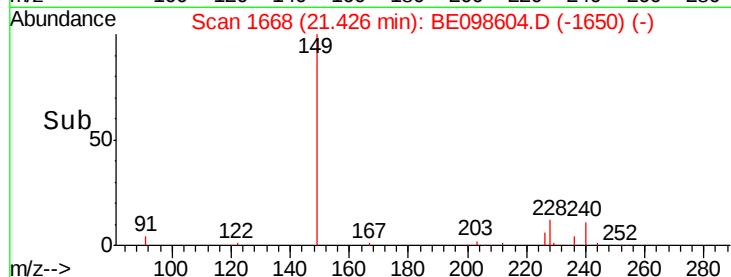
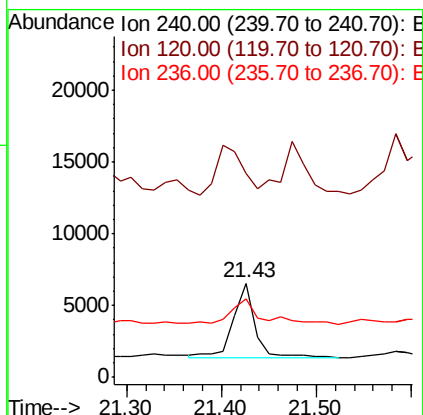
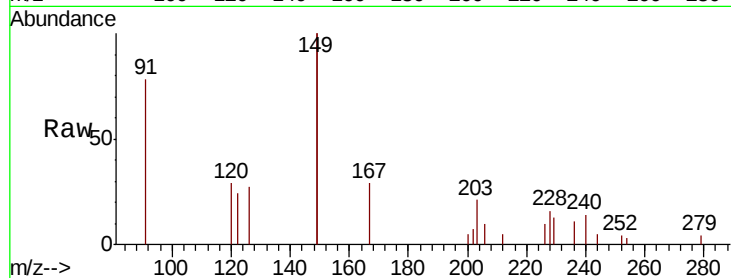




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.43 min Scan# 1668
Delta R.T. 0.02 min
Lab File: BE098604.D
Acq: 2 Jan 2019 12:14

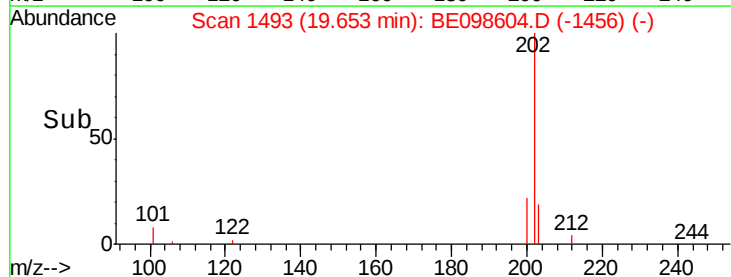
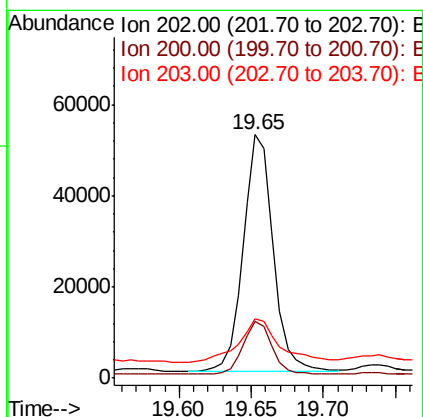
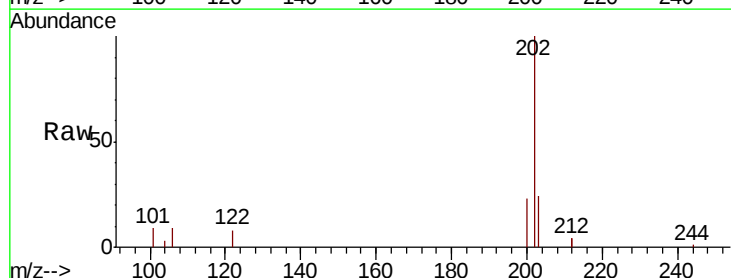
Instrument :
BNA_E
ClientSampleId :

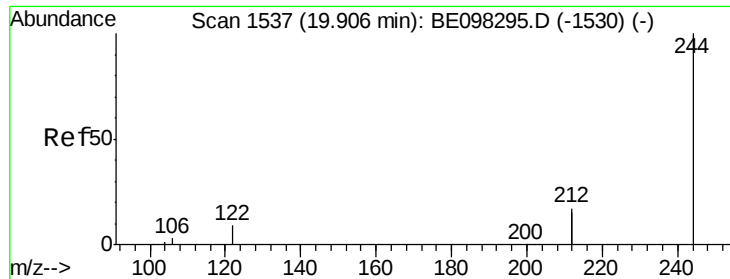
Tot Ion:240 Resp: 8337
Ion Ratio Lower Upper
240 100
120 215.7 9.5 14.3#
236 83.1 22.7 34.1#



#28
Pyrene
Concen: 2.882 ng
RT: 19.65 min Scan# 1493
Delta R.T. 0.01 min
Lab File: BE098604.D
Acq: 2 Jan 2019 12:14

Tgt Ion:202 Resp: 75396
Ion Ratio Lower Upper
202 100
200 21.9 16.7 25.1
203 24.8 14.1 21.1#





#29

Terphenyl-d14

Concen: 0.313 ng

RT: 19.86 min Scan# 1529

Delta R.T. 0.01 min

Lab File: BE098604.D

Acq: 2 Jan 2019 12:14

Instrument :

BNA_E

ClientSampleId :

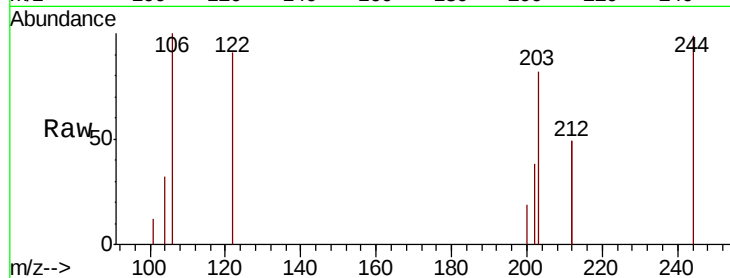
Tot Ion:244 Resp: 6343

Ion Ratio Lower Upper

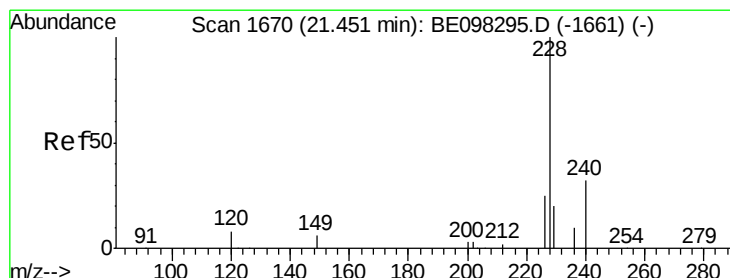
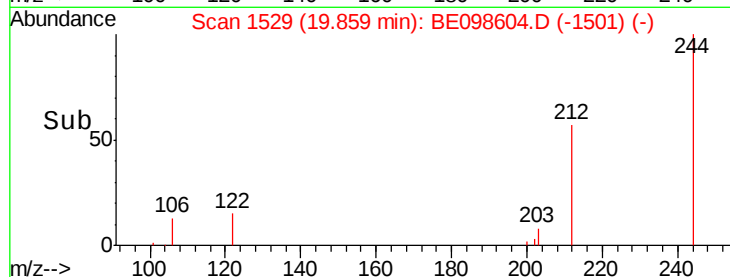
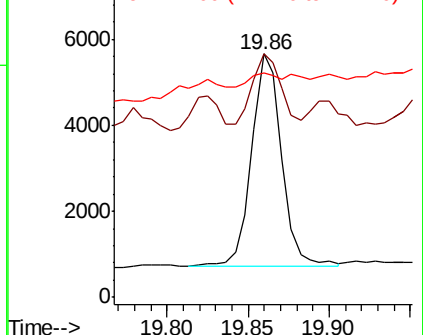
244 100

212 100.0 27.4 41.0#

122 92.3 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: 2.361 ng

RT: 21.40 min Scan# 1666

Delta R.T. 0.01 min

Lab File: BE098604.D

Acq: 2 Jan 2019 12:14

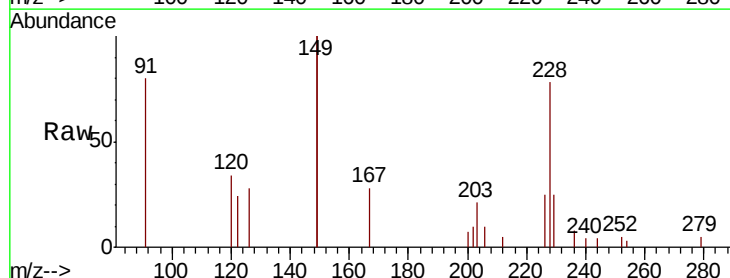
Tgt Ion:228 Resp: 56054

Ion Ratio Lower Upper

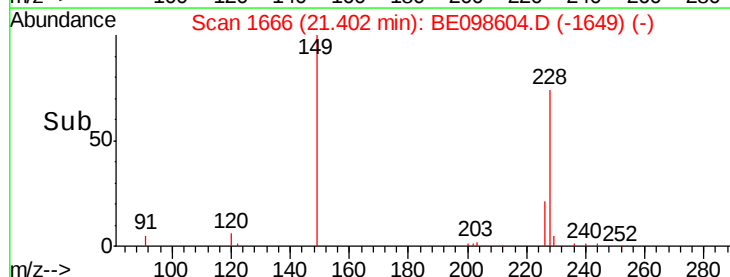
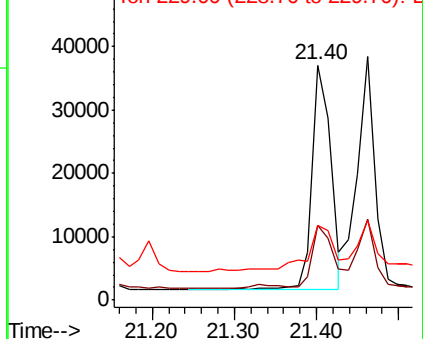
228 100

226 31.7 21.8 32.8

229 31.6 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

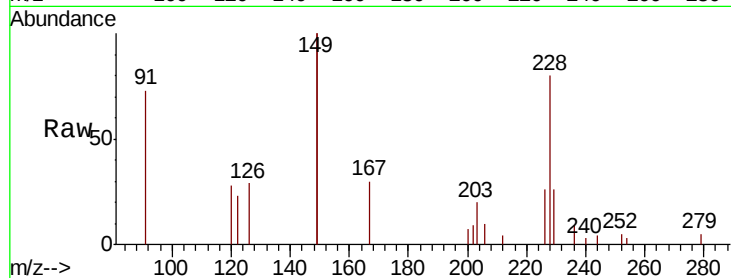




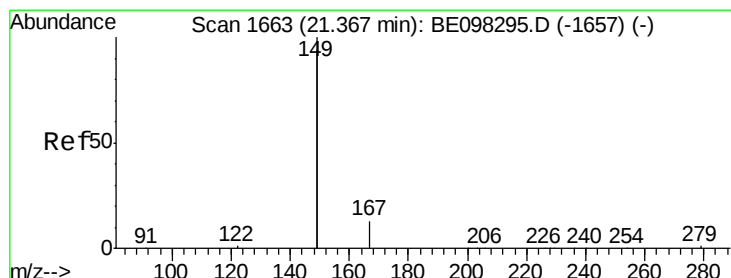
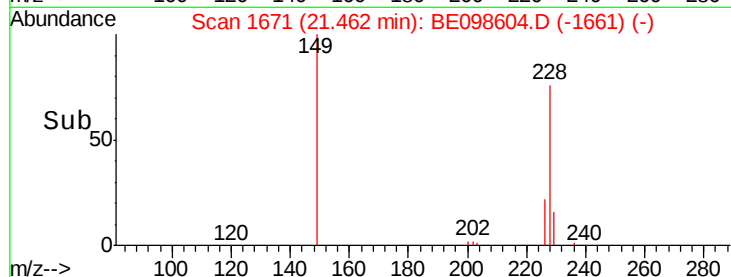
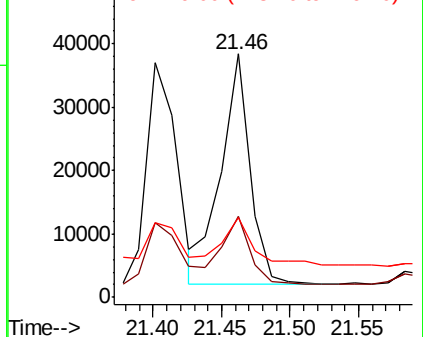
#31
 Chrysene
 Concen: 2.162 ng
 RT: 21.46 min Scan# 1671
 Delta R.T. 0.02 min
 Lab File: BE098604.D
 Acq: 2 Jan 2019 12:14

Instrument :
 BNA_E
 ClientSampled :

Tot Ion:228 Resp: 53767
 Ion Ratio Lower Upper
 228 100
 226 33.2 23.4 35.0
 229 32.6 16.2 24.4#

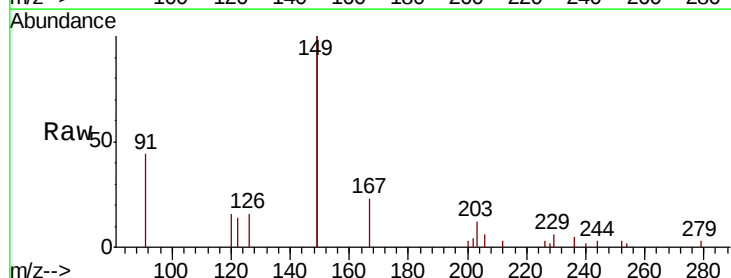


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

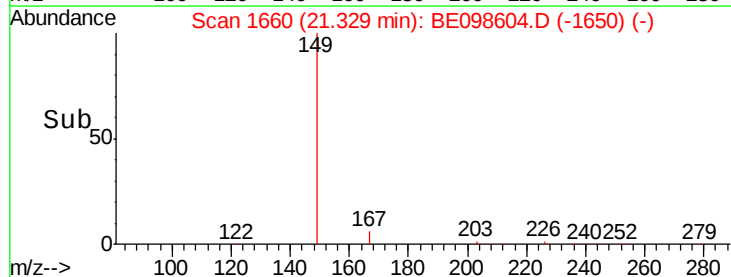
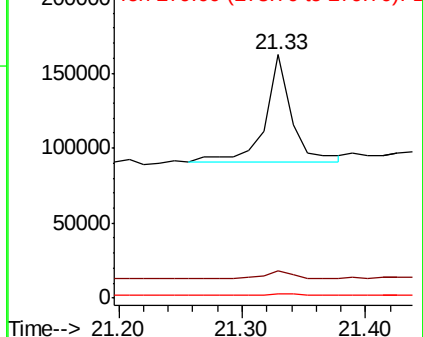


#32
 Bis(2-ethylhexyl)phthalate
 Concen: 2.275 ng
 RT: 21.33 min Scan# 1660
 Delta R.T. 0.02 min
 Lab File: BE098604.D
 Acq: 2 Jan 2019 12:14

Tgt Ion:149 Resp: 109706
 Ion Ratio Lower Upper
 149 100
 167 7.1 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: 1.194 ng

RT: 26.62 min Scan# 2999

Delta R.T. -0.02 min

Lab File: BE098604.D

Acq: 2 Jan 2019 12:14

Instrument :

BNA_E

ClientSampleId :

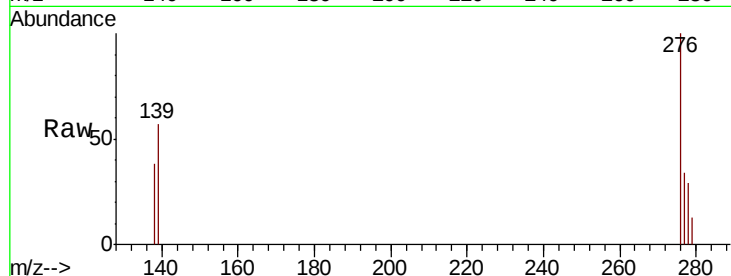
Tot Ion:276 Resp: 29547

Ion Ratio Lower Upper

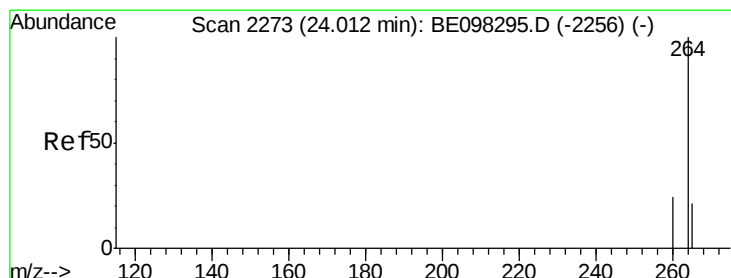
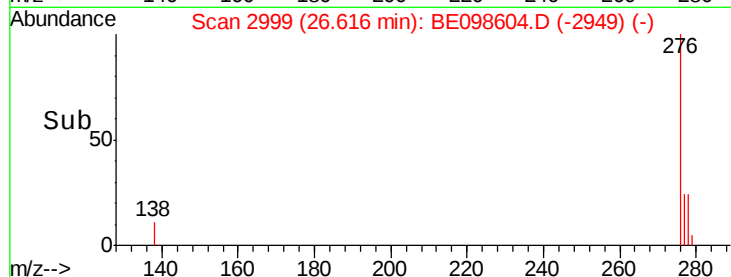
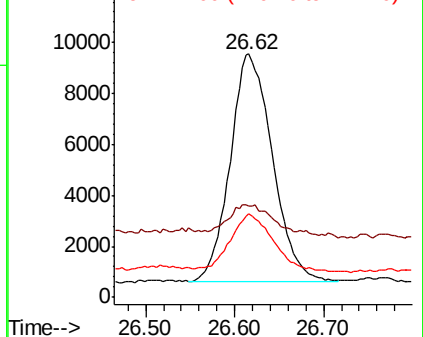
276 100

138 11.2 16.3 24.5#

277 25.6 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: 23.96 min Scan# 2258

Delta R.T. 0.01 min

Lab File: BE098604.D

Acq: 2 Jan 2019 12:14

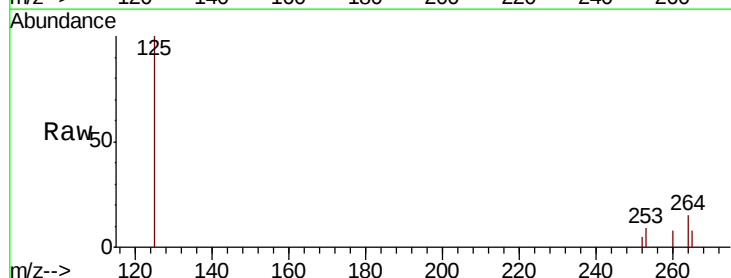
Tgt Ion:264 Resp: 7261

Ion Ratio Lower Upper

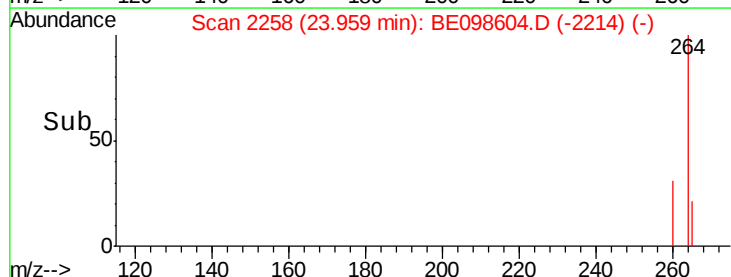
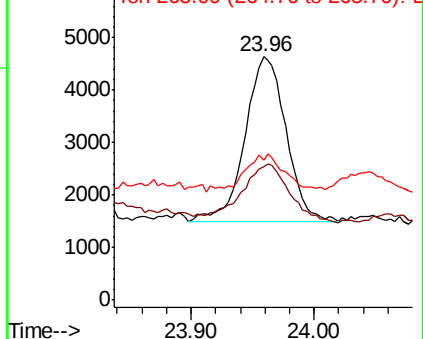
264 100

260 55.1 20.2 30.2#

265 57.3 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: 3.306 ng

RT: 23.19 min Scan# 2041

Delta R.T. 0.02 min

Lab File: BE098604.D

Acq: 2 Jan 2019 12:14

Instrument :

BNA_E

ClientSampleId :

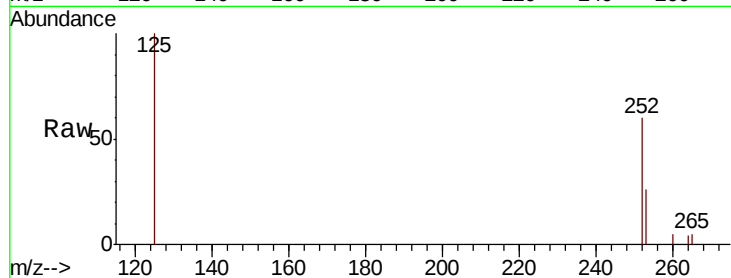
Tot Ion:252 Resp: 65655

Ion Ratio Lower Upper

252 100

253 44.4 20.0 30.0#

125 167.6 9.6 14.4#

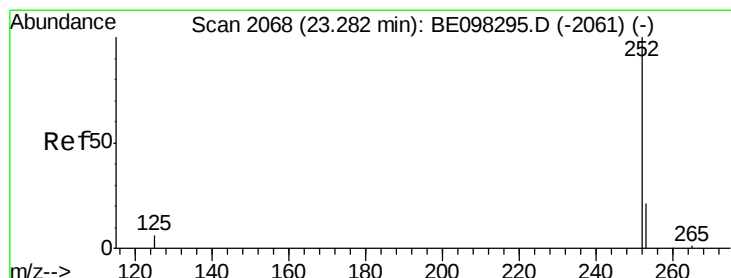
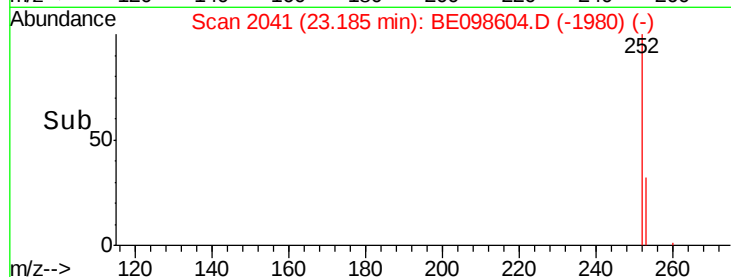
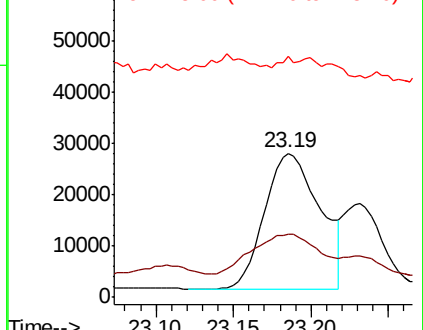


Abundance

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: 2.838 ng

RT: 23.19 min Scan# 2041

Delta R.T. -0.04 min

Lab File: BE098604.D

Acq: 2 Jan 2019 12:14

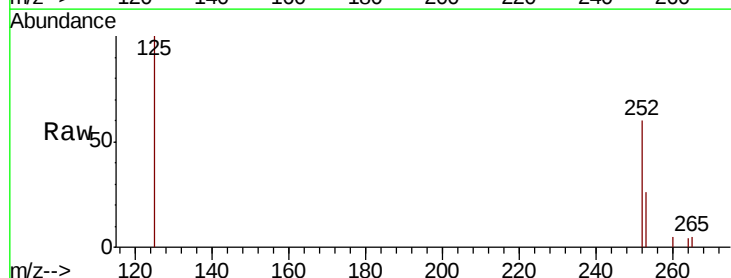
Tgt Ion:252 Resp: 65655

Ion Ratio Lower Upper

252 100

253 44.4 19.0 28.6#

125 167.6 9.1 13.7#

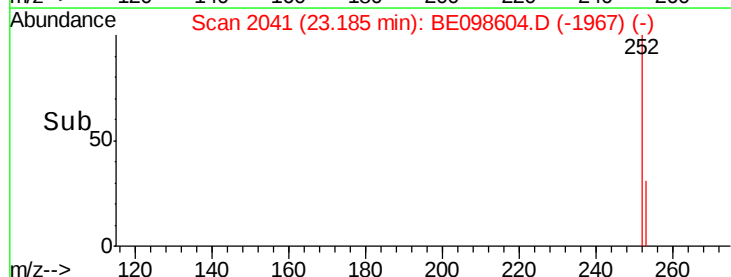
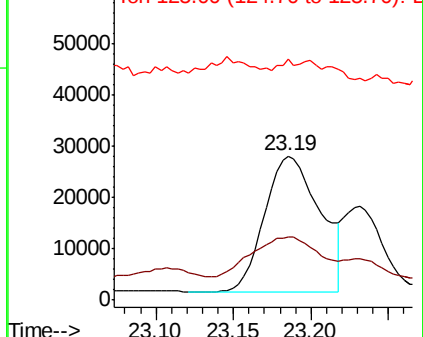


Abundance

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: 2.174 ng

RT: 23.84 min Scan# 2226

Delta R.T. 0.01 min

Lab File: BE098604.D

Acq: 2 Jan 2019 12:14

Instrument :

BNA_E

ClientSampled :

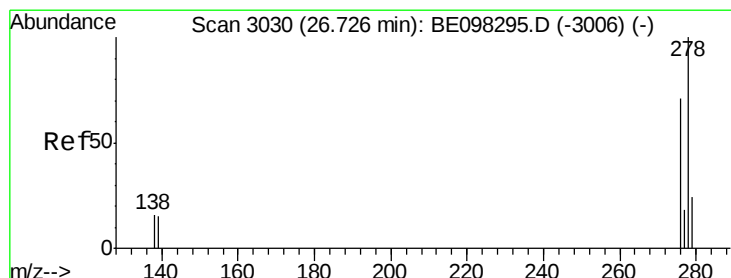
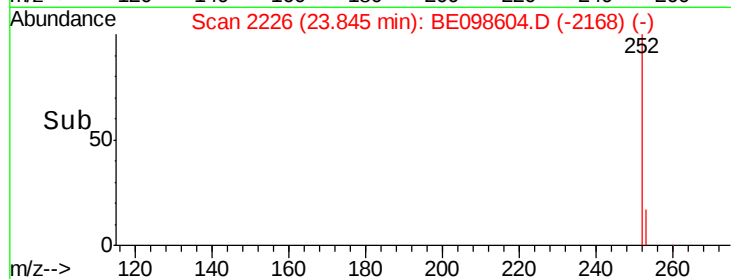
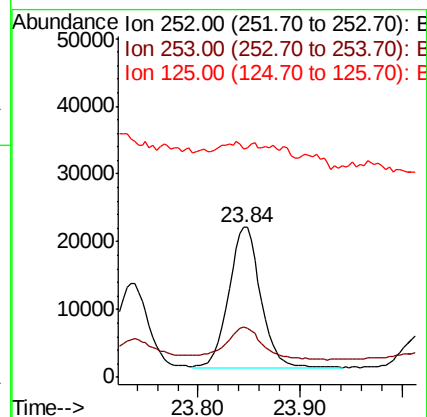
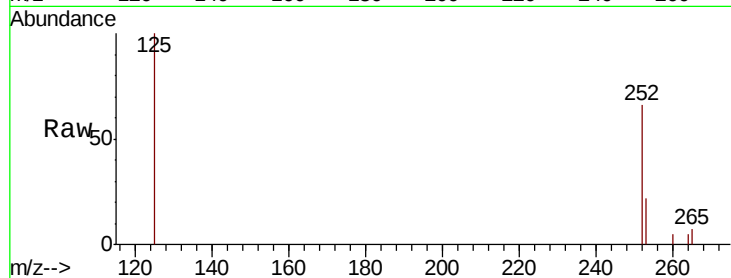
Tot Ion:252 Resp: 44535

Ion Ratio Lower Upper

252 100

253 33.4 20.6 30.8#

125 152.5 10.5 15.7#



#38

Dibenzo(a,h)anthracene

Concen: 0.591 ng

RT: 26.64 min Scan# 3006

Delta R.T. -0.03 min

Lab File: BE098604.D

Acq: 2 Jan 2019 12:14

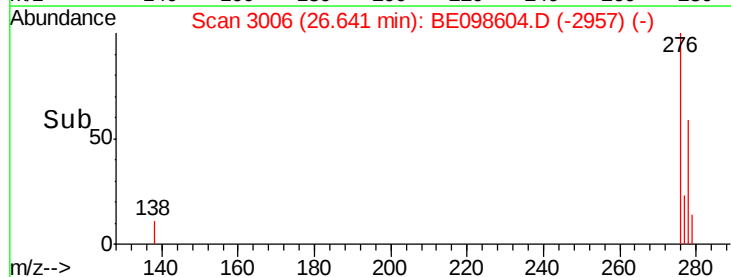
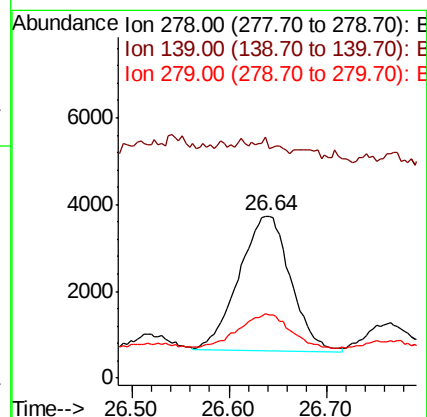
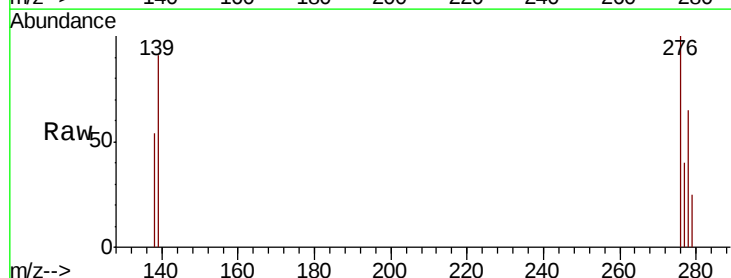
Tgt Ion:278 Resp: 11415

Ion Ratio Lower Upper

278 100

139 141.2 14.5 21.7#

279 39.1 21.8 32.8#





#39

Benzo(a,h,i)perylene

Concen: 1.387 ng

RT: 27.44 min Scan# 3230

Delta R.T. -0.02 min

Lab File: BE098604.D

Acq: 2 Jan 2019 12:14

Instrument :

BNA_E

ClientSampleId :

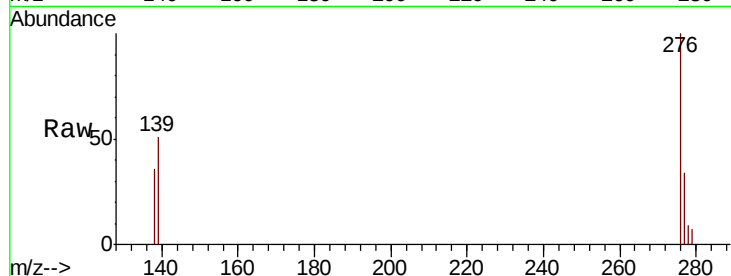
Tot Ion:276 Resp: 26981

Ion Ratio Lower Upper

276 100

277 33.6 20.8 31.2#

138 35.7 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

