

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE010219\
 Data File : BE098601.D
 Acq On : 2 Jan 2019 10:23
 Operator : SJ/JU
 Sample : PB116071BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jan 02 11:01:56 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	1011	0.40	ng	0.01
7) Naphthalene-d8	10.61	136	3953	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	2125	0.40	ng	0.02
19) Phenanthrene-d10	17.23	188	4643	0.40	ng	0.01
27) Chrysene-d12	21.41	240	5780	0.40	ng	0.01
34) Perylene-d12	23.93	264	6223	0.40	ng	-0.03

System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	1138	0.48	ng	0.03
5) Phenol-d6	7.00	99	1543	0.46	ng	0.01
8) Nitrobenzene-d5	8.98	82	1464	0.41	ng	0.02
11) 2-Methylnaphthalene-d10	12.21	152	2795	0.43	ng	0.00
14) 2,4,6-Tribromophenol	15.97	330	333	0.43	ng	0.01
15) 2-Fluorobiphenyl	13.10	172	3480	0.39	ng	0.02
25) Fluoranthene-d10	19.26	212	24068	0.40	ng	0.01
29) Terphenyl-d14	19.86	244	5029	0.36	ng	0.01

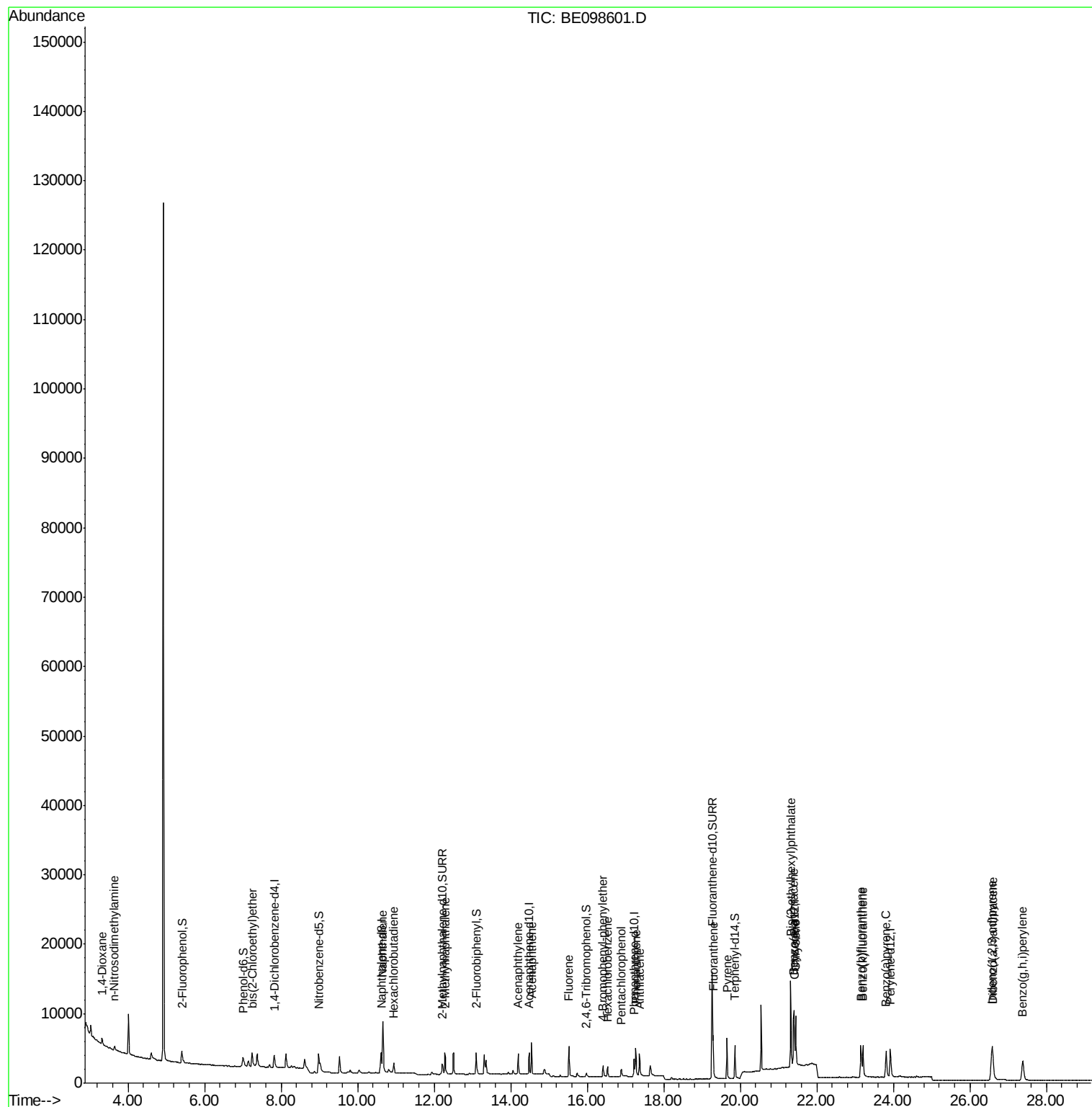
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.33	88	500	0.286	ng	# 31
3) n-Nitrosodimethylamine	3.64	42	718	0.456	ng	# 100
6) bis(2-Chloroethyl)ether	7.24	93	1042	0.327	ng	98
9) Naphthalene	10.65	128	15185	0.382	ng	# 99
10) Hexachlorobutadiene	10.94	225	994	0.392	ng	99
12) 2-Methylnaphthalene	12.28	142	2481	0.384	ng	# 90
16) Acenaphthylene	14.20	152	3581	0.360	ng	99
17) Acenaphthene	14.54	154	2207	0.369	ng	100
18) Fluorene	15.52	166	2870	0.359	ng	96
20) 4-Bromophenyl-phenylether	16.42	248	931	0.373	ng	96
21) Hexachlorobenzene	16.53	284	1045	0.389	ng	93
22) Pentachlorophenol	16.90	266	723	1.293	ng	96
23) Phenanthrene	17.27	178	4457	0.395	ng	99
24) Anthracene	17.36	178	3841	0.382	ng	99
26) Fluoranthene	19.29	202	5575	0.373	ng	99
28) Pyrene	19.65	202	5707	0.315	ng	99
30) Benzo(a)anthracene	21.39	228	6585	0.400	ng	98
31) Chrysene	21.45	228	6450	0.374	ng	99
32) Bis(2-ethylhexyl)phthalate	21.32	149	12976	0.388	ng	99
33) Indeno(1,2,3-cd)pyrene	26.57	276	8296	0.484	ng	# 88
35) Benzo(b)fluoranthene	23.15	252	6845	0.402	ng	98
36) Benzo(k)fluoranthene	23.20	252	7609	0.384	ng	97
37) Benzo(a)pyrene	23.81	252	7089	0.404	ng	98
38) Dibenzo(a,h)anthracene	26.60	278	6642	0.402	ng	98
39) Benzo(g,h,i)perylene	27.39	276	7162	0.430	ng	97

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

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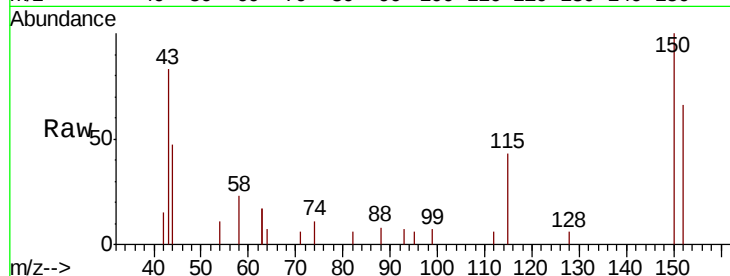


#1

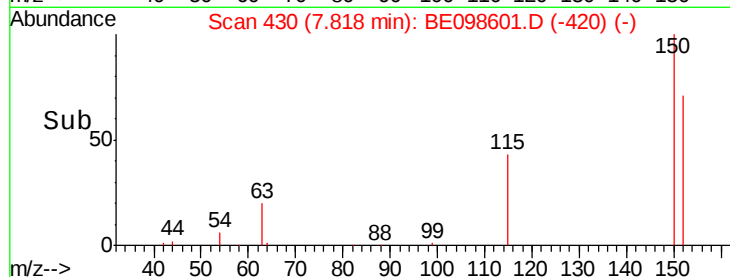
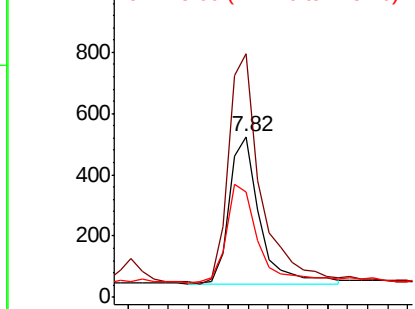
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. 0.01 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1011
Ion Ratio Lower Upper
152 100
150 151.4 124.2 186.4
115 65.3 53.9 80.9



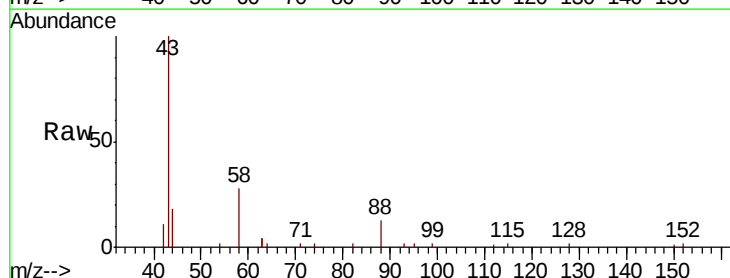
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



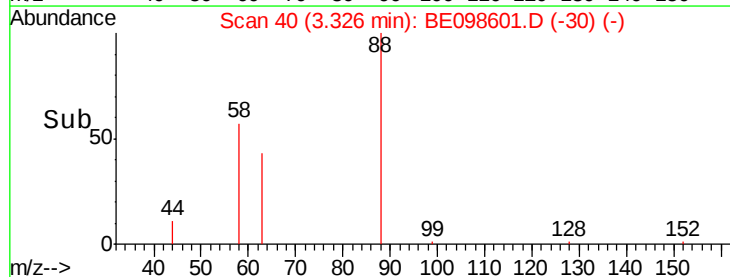
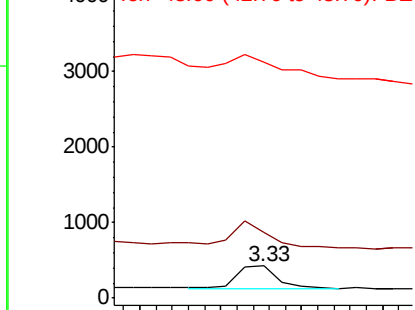
#2

1,4-Dioxane
Concen: 0.286 ng
RT: 3.33 min Scan# 40
Delta R.T. 0.01 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Tgt Ion: 88 Resp: 500
Ion Ratio Lower Upper
88 100
58 130.0 75.0 112.6#
43 136.4 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



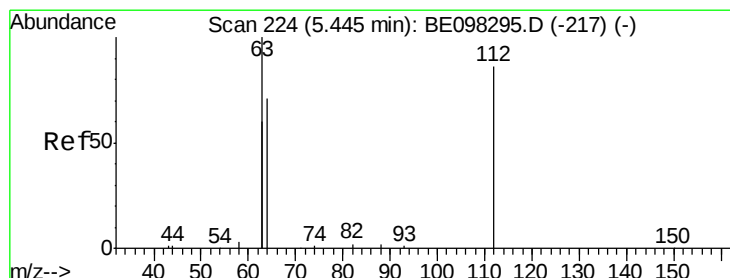
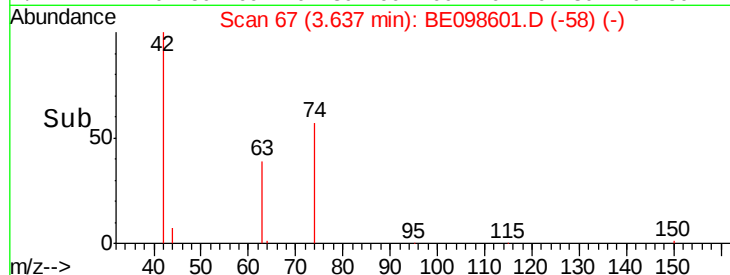
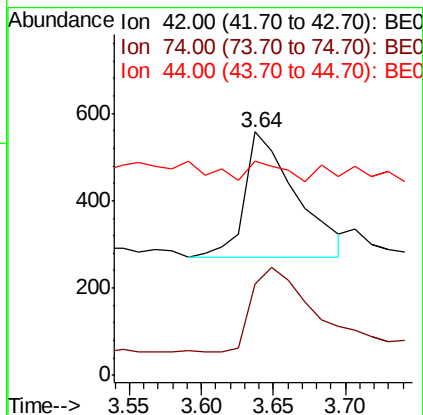
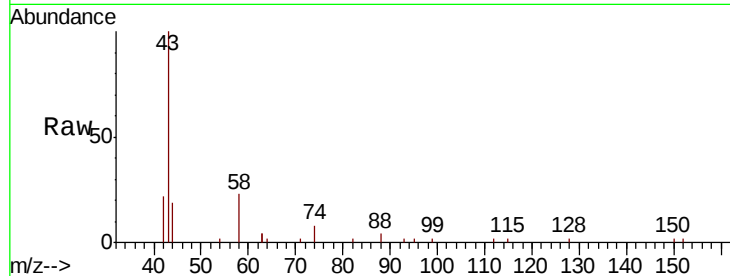


#3

n-Nitrosodimethylamine
 Concen: 0.456 ng
 RT: 3.64 min Scan# 67
 Delta R.T. 0.00 min
 Lab File: BE098601.D
 Acq: 2 Jan 2019 10:23

Instrument :
 BNA_E
 ClientSampleId :

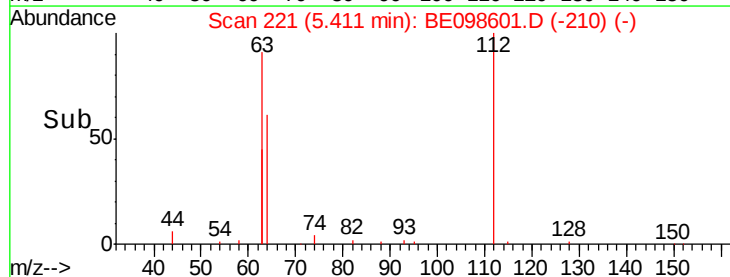
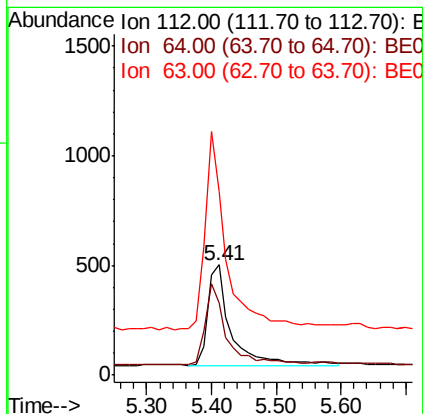
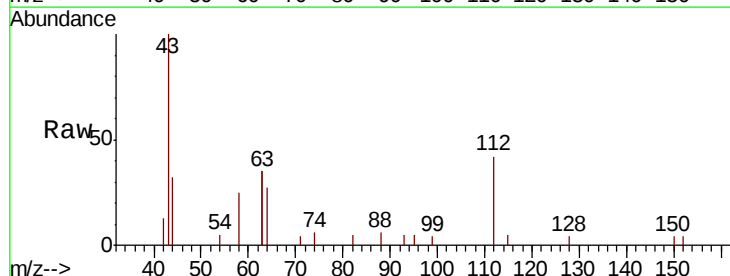
Tot Ion: 42 Resp: 718
 Ion Ratio Lower Upper
 42 100
 74 73.8 0.0 0.0#
 44 10.4 0.0 0.0#



#4

2-Fluorophenol
 Concen: 0.481 ng
 RT: 5.41 min Scan# 221
 Delta R.T. 0.03 min
 Lab File: BE098601.D
 Acq: 2 Jan 2019 10:23

Tgt Ion: 112 Resp: 1138
 Ion Ratio Lower Upper
 112 100
 64 75.0 59.8 89.8
 63 185.4 133.7 200.5





#5

Phenol-d6

Concen: 0.460 ng

RT: 7.00 min Scan# 359

Delta R.T. 0.01 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

Instrument :

BNA_E

ClientSampled :

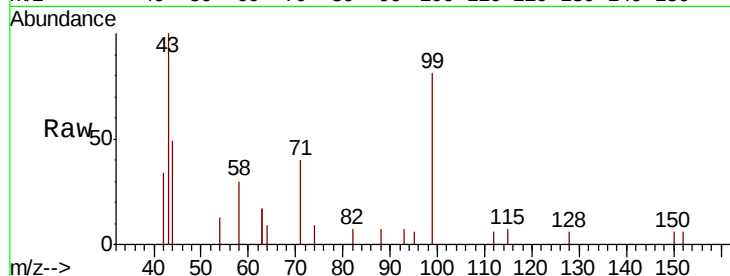
Tot Ion: 99 Resp: 1543

Ion Ratio Lower Upper

99 100

42 36.2 26.3 39.5

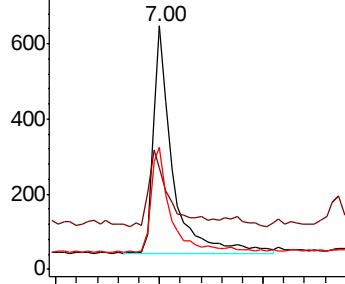
71 47.4 33.6 50.4



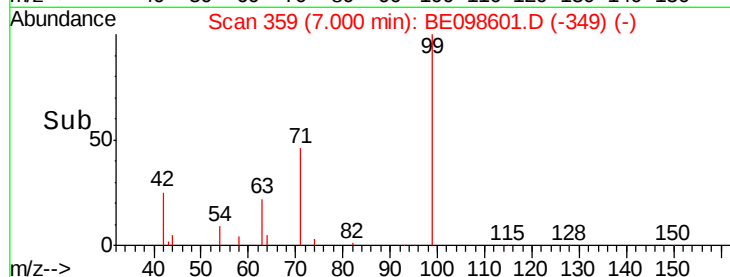
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.327 ng

RT: 7.24 min Scan# 380

Delta R.T. 0.01 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

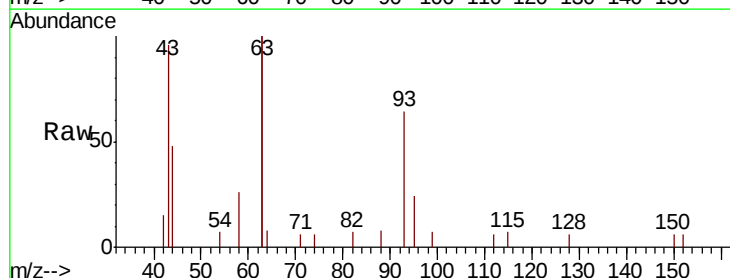
Tgt Ion: 93 Resp: 1042

Ion Ratio Lower Upper

93 100

63 324.9 264.4 396.6

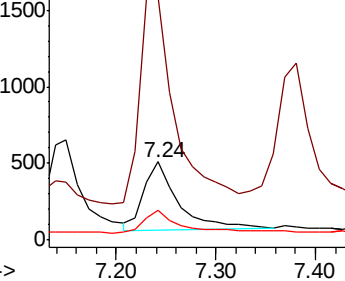
95 33.3 26.6 40.0



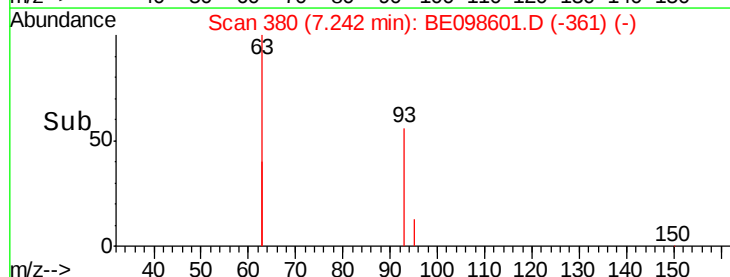
Abundance Ion 93.00 (92.70 to 93.70): BE0

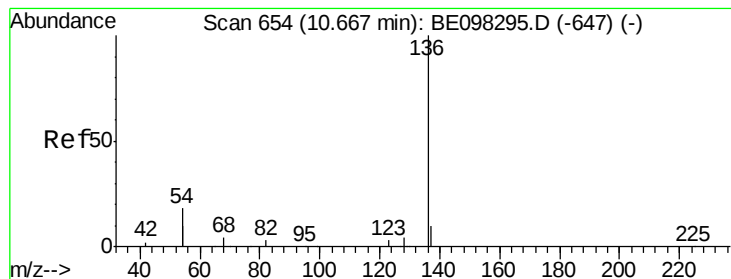
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.61 min Scan# 650

Delta R.T. 0.01 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 3953

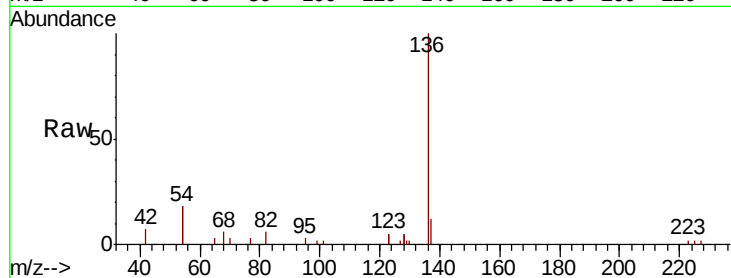
Ion Ratio Lower Upper

136 100

137 12.4 9.2 13.8

54 36.2 28.4 42.6

68 6.1 5.4 8.0

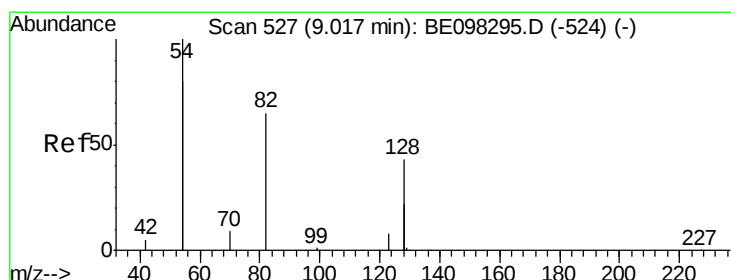
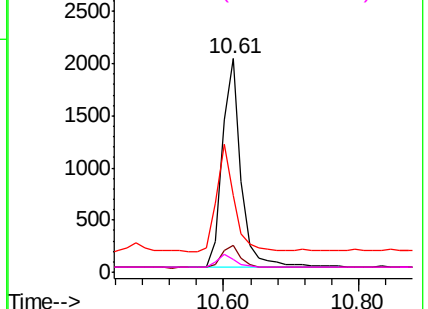
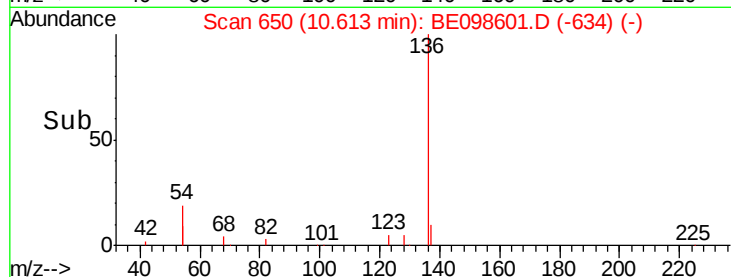


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.407 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.02 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

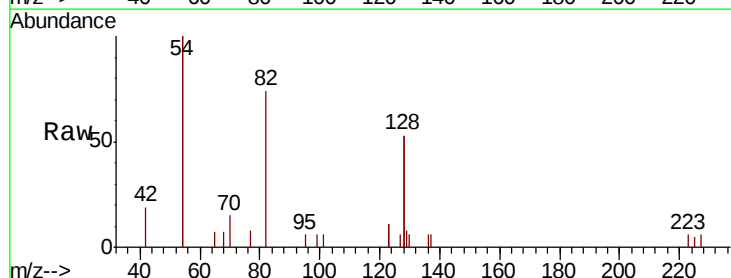
Tgt Ion: 82 Resp: 1464

Ion Ratio Lower Upper

82 100

128 142.5 102.4 153.6

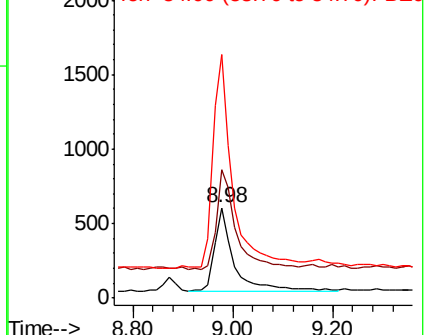
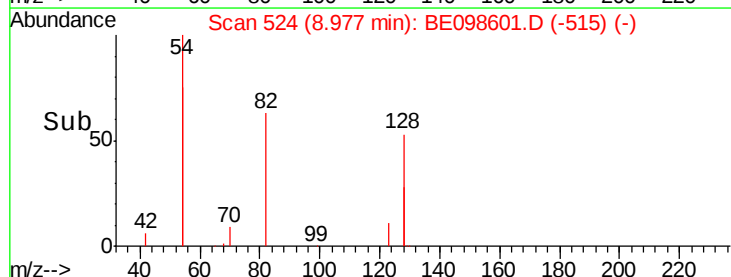
54 270.1 221.8 332.8

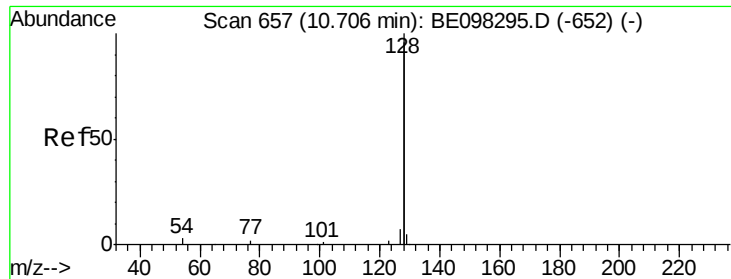


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.382 ng

RT: 10.65 min Scan# 653

Delta R.T. 0.01 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

Instrument :

BNA_E

ClientSampleId :

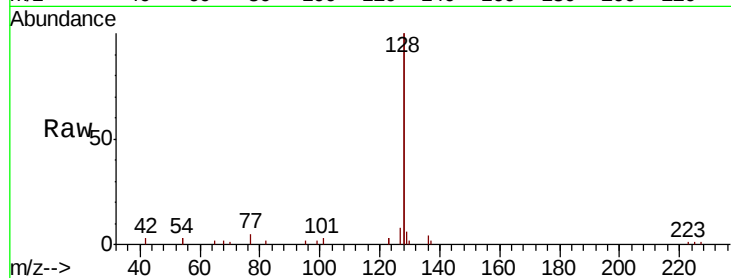
Tot Ion:128 Resp: 15185

Ion Ratio Lower Upper

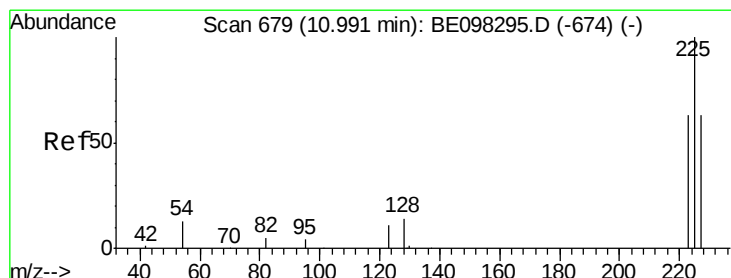
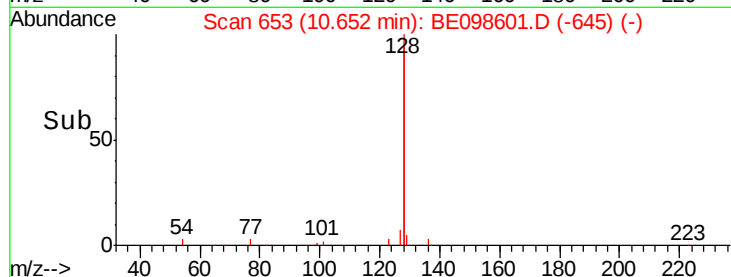
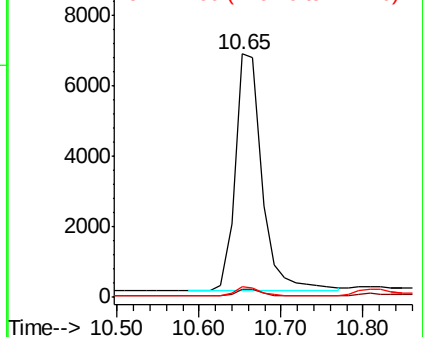
128 100

129 3.2 2.5 3.7

127 4.1 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: 0.392 ng

RT: 10.94 min Scan# 675

Delta R.T. 0.01 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

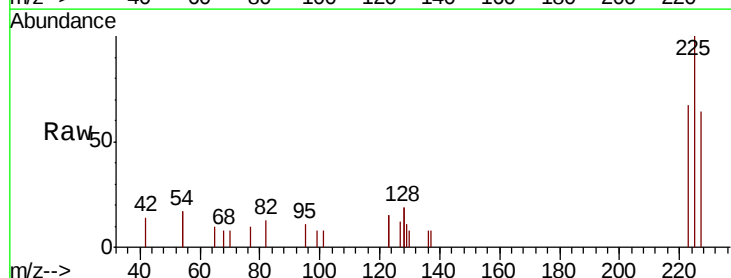
Tgt Ion:225 Resp: 994

Ion Ratio Lower Upper

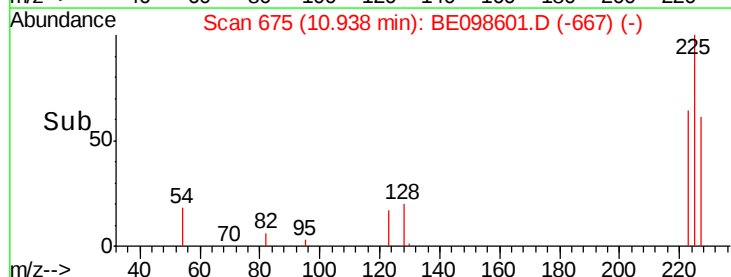
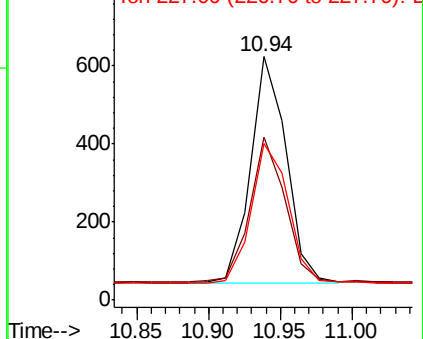
225 100

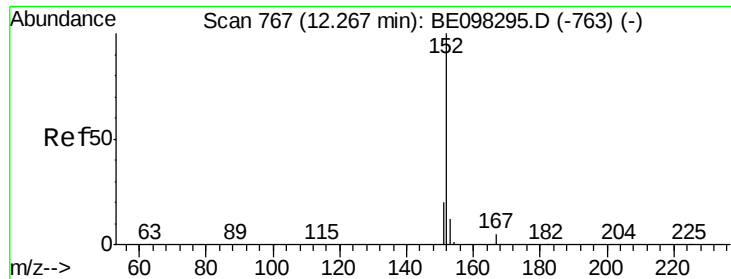
223 63.1 49.4 74.0

227 64.3 52.0 78.0



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

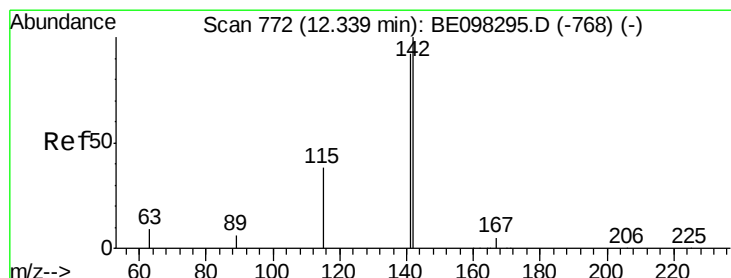
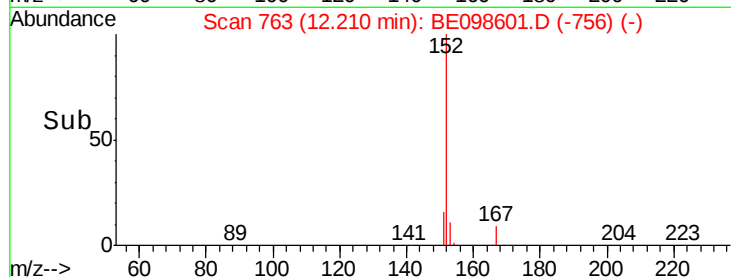
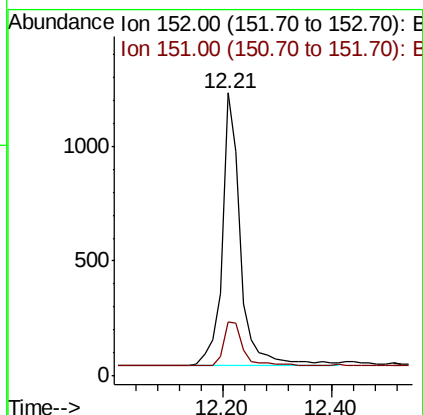
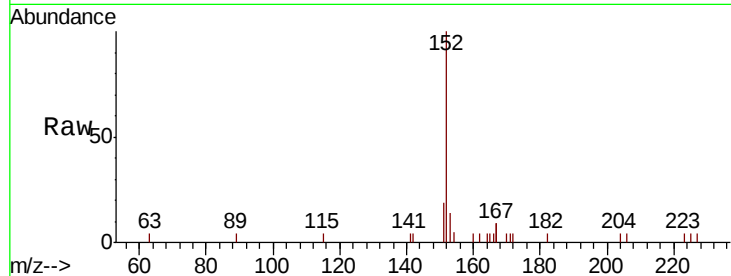




#11
 2-Methylnaphthalene-d10
 Concen: 0.435 ng
 RT: 12.21 min Scan# 763
 Delta R.T. 0.00 min
 Lab File: BE098601.D
 Acq: 2 Jan 2019 10:23

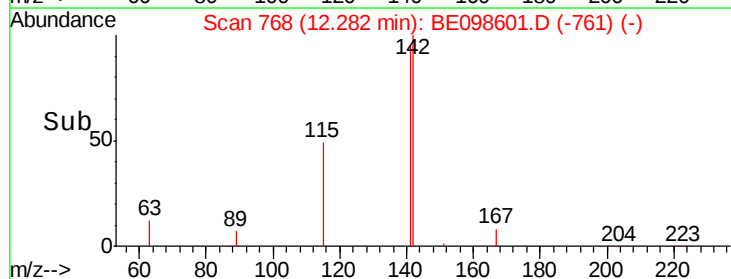
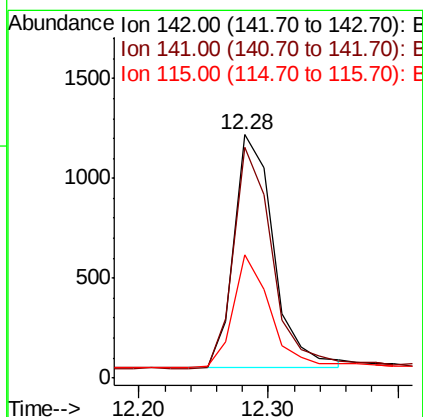
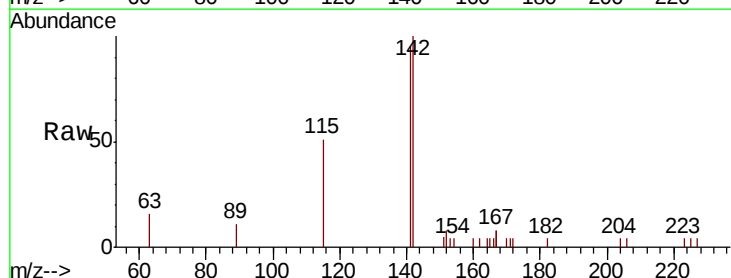
Instrument :
 BNA_E
 ClientSampled :

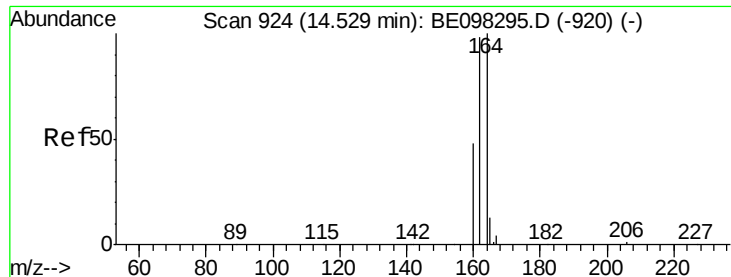
Tot Ion:152 Resp: 2795
 Ion Ratio Lower Upper
 152 100
 151 17.1 16.2 24.4



#12
 2-Methylnaphthalene
 Concen: 0.384 ng
 RT: 12.28 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: BE098601.D
 Acq: 2 Jan 2019 10:23

Tgt Ion:142 Resp: 2481
 Ion Ratio Lower Upper
 142 100
 141 94.8 71.0 106.6
 115 50.9 32.2 48.2#

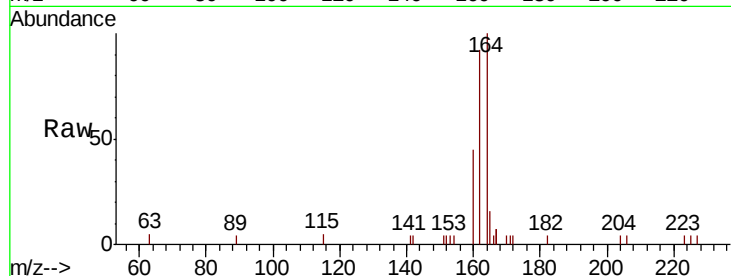




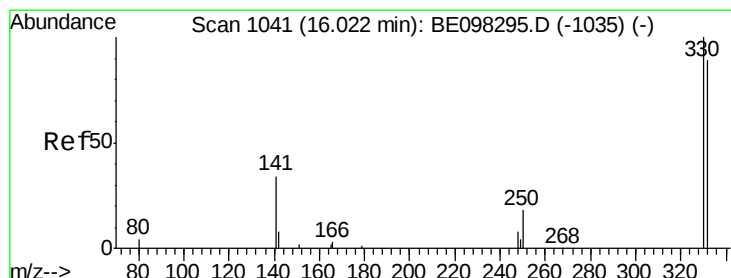
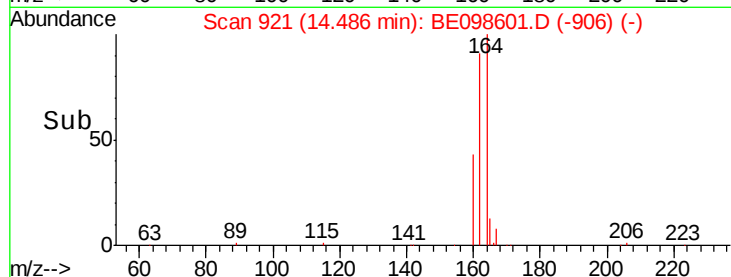
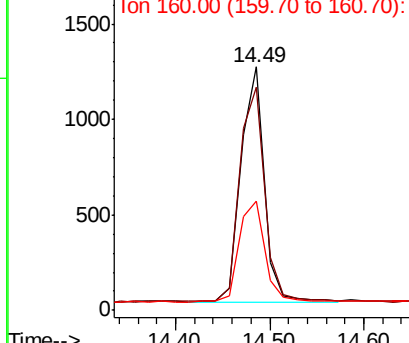
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. 0.02 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 2125
Ion Ratio Lower Upper
164 100
162 91.7 77.6 116.4
160 44.8 36.0 54.0

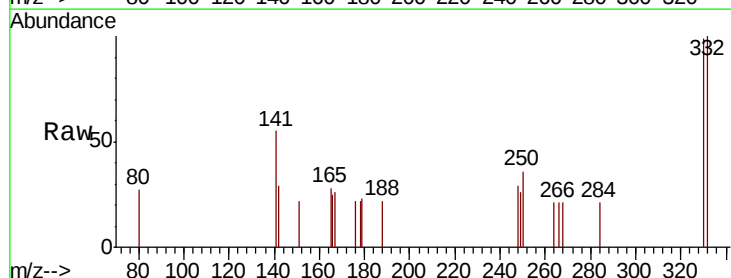


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

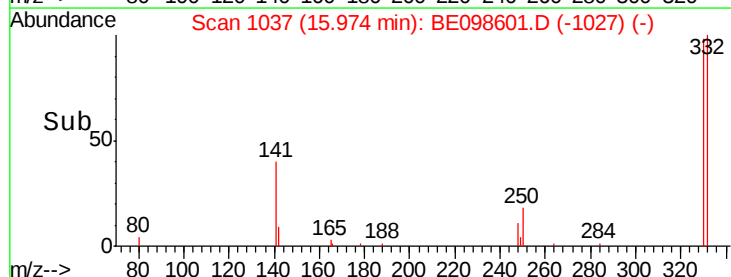
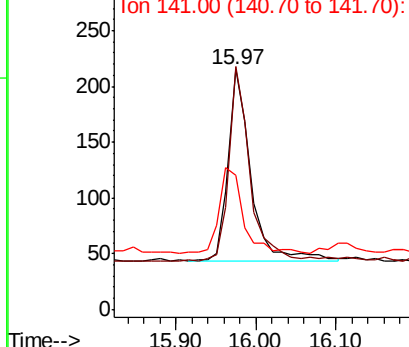


#14
2,4,6-Tribromophenol
Concen: 0.427 ng
RT: 15.97 min Scan# 1037
Delta R.T. 0.01 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Tgt Ion:330 Resp: 333
Ion Ratio Lower Upper
330 100
332 93.1 76.2 114.4
141 48.9 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

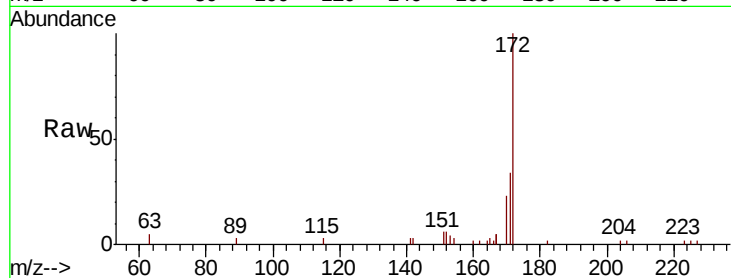




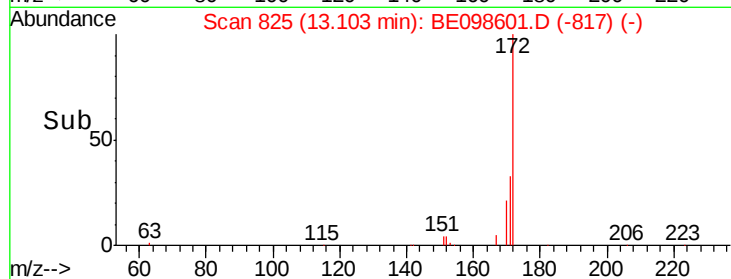
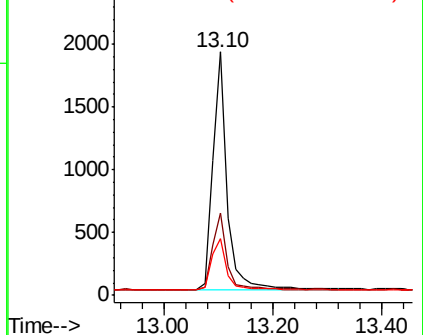
#15
2-Fluorobiphenyl
Concen: 0.388 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.02 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 3480
Ion Ratio Lower Upper
172 100
171 34.1 27.5 41.3
170 23.3 19.6 29.4

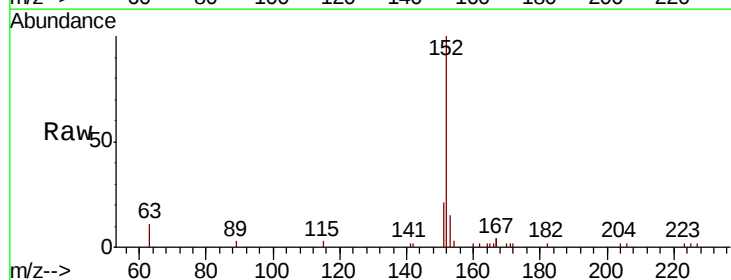


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

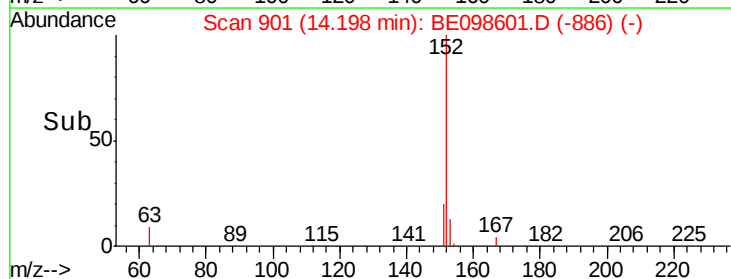
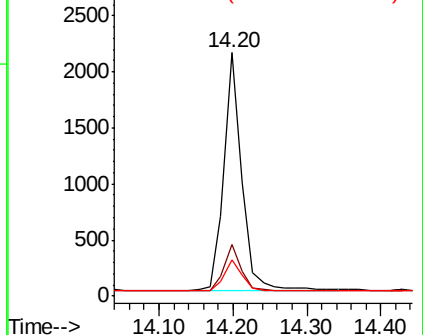


#16
Acenaphthylene
Concen: 0.360 ng
RT: 14.20 min Scan# 901
Delta R.T. 0.02 min
Lab File: BE098601.D
Acq: 2 Jan 2019 10:23

Tgt Ion:152 Resp: 3581
Ion Ratio Lower Upper
152 100
151 19.8 15.5 23.3
153 13.2 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: 0.369 ng

RT: 14.54 min Scan# 925

Delta R.T. 0.02 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

Instrument :

BNA_E

ClientSampleId :

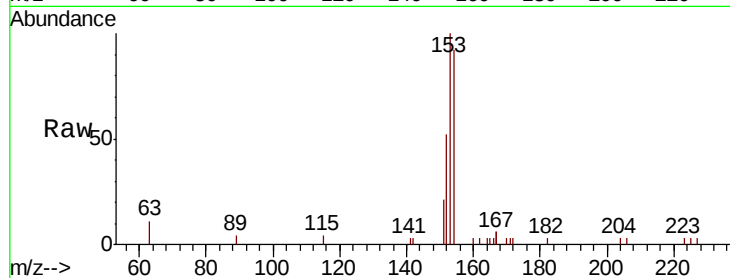
Tot Ion:154 Resp: 2207

Ion Ratio Lower Upper

154 100

153 114.9 91.8 137.6

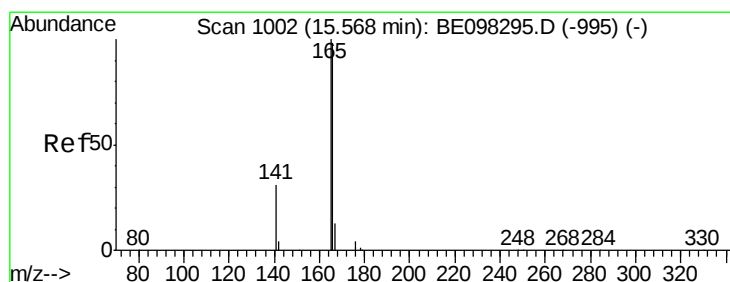
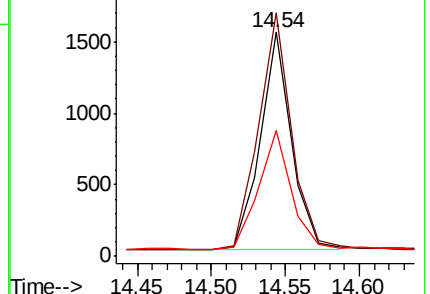
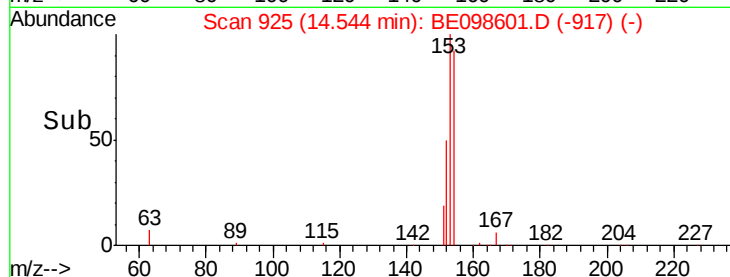
152 56.8 45.5 68.3



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: 0.359 ng

RT: 15.52 min Scan# 998

Delta R.T. 0.01 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

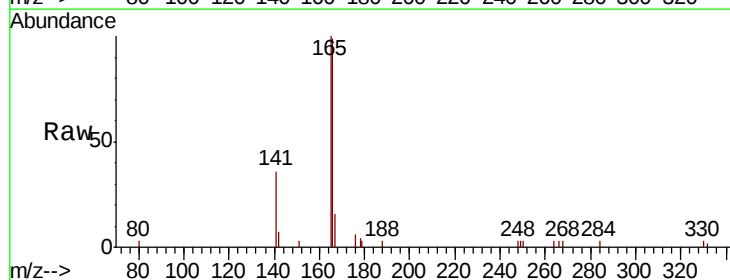
Tgt Ion:166 Resp: 2870

Ion Ratio Lower Upper

166 100

165 103.7 79.3 118.9

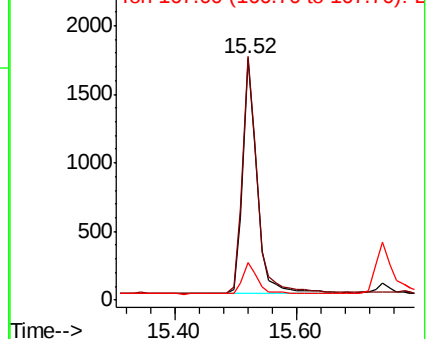
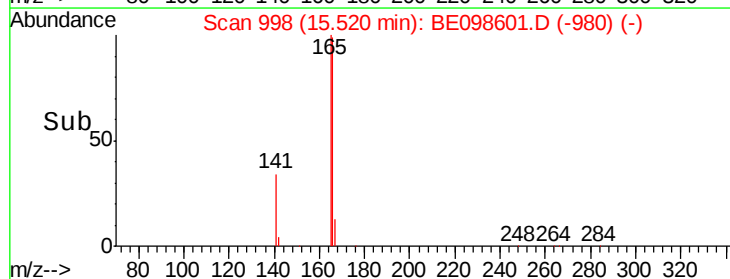
167 14.0 11.3 16.9



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: 17.23 min Scan# 1145

Delta R.T. 0.01 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

Instrument :

BNA_E

ClientSampleId :

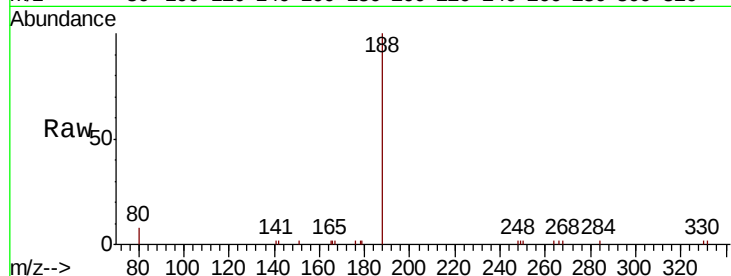
Tot Ion:188 Resp: 4643

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

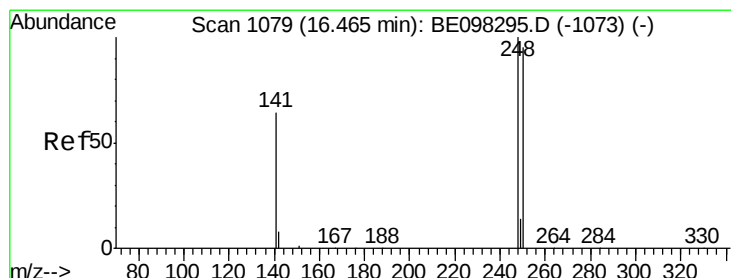
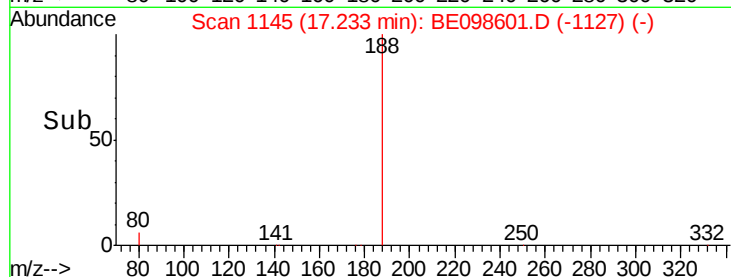
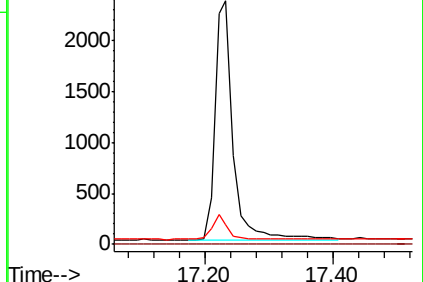
80 7.9 7.2 10.8



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: 0.373 ng

RT: 16.42 min Scan# 1075

Delta R.T. 0.01 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

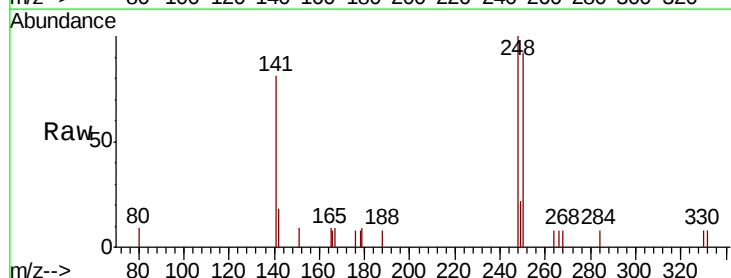
Tgt Ion:248 Resp: 931

Ion Ratio Lower Upper

248 100

250 92.3 71.0 106.6

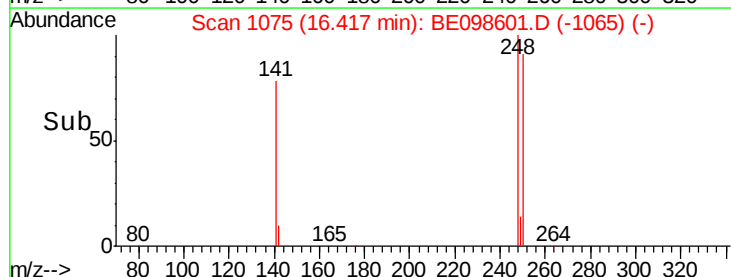
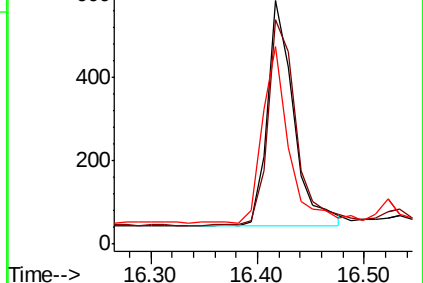
141 81.0 62.1 93.1



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: 0.389 ng

RT: 16.53 min Scan# 1085

Delta R.T. 0.01 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

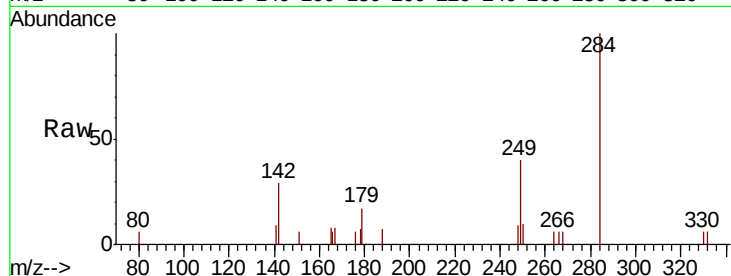
Instrument :

BNA_E

ClientSampleId :

Tot Ion:284 Resp: 1045

Ion	Ratio	Lower	Upper
284	100		
142	37.5	26.3	39.5
249	36.2	26.0	39.0

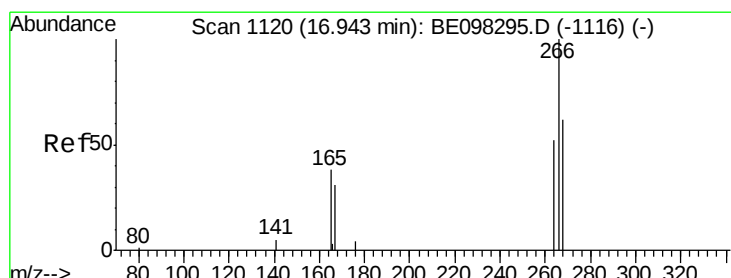
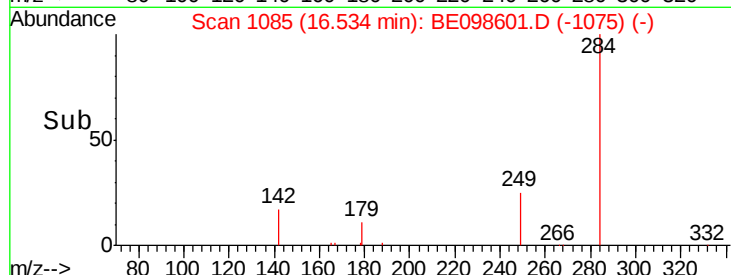
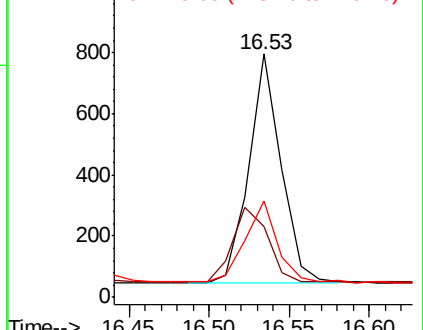


Abundance

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: 1.293 ng

RT: 16.90 min Scan# 1116

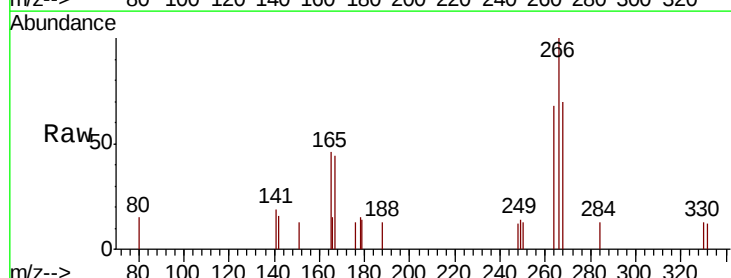
Delta R.T. 0.01 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

Tgt Ion:266 Resp: 723

Ion	Ratio	Lower	Upper
266	100		
264	68.0	59.0	88.4
268	69.9	55.1	82.7

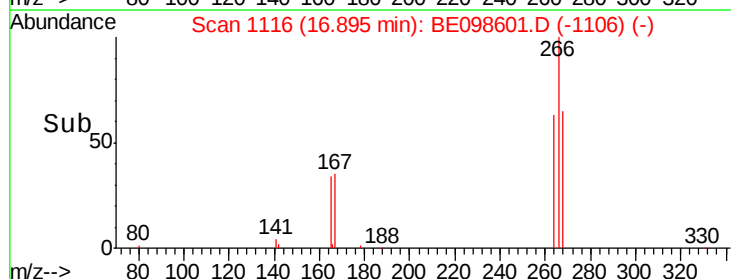
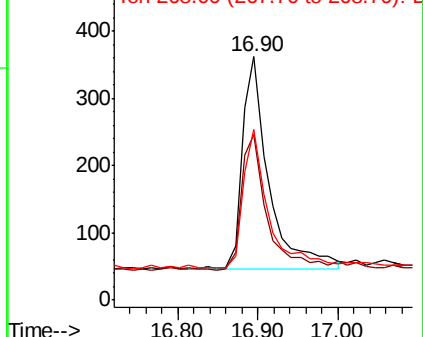


Abundance

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: 0.395 ng

RT: 17.27 min Scan# 1148

Delta R.T. 0.01 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

Instrument :

BNA_E

ClientSampleId :

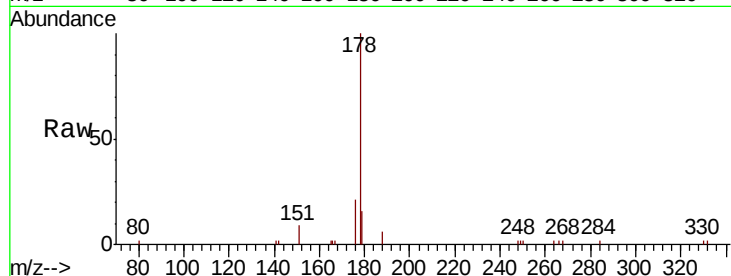
Tot Ion:178 Resp: 4457

Ion Ratio Lower Upper

178 100

176 19.5 15.9 23.9

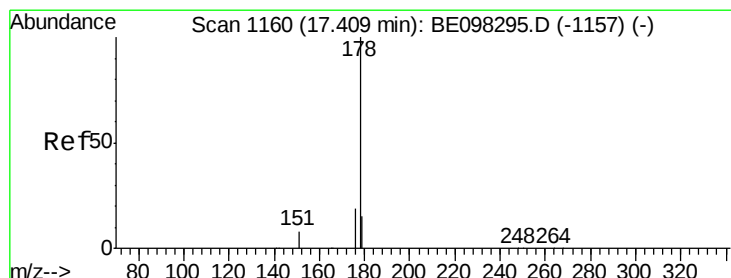
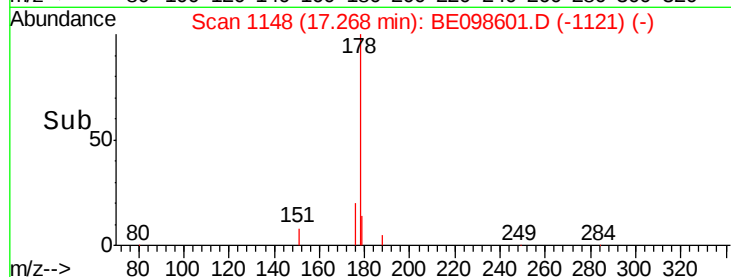
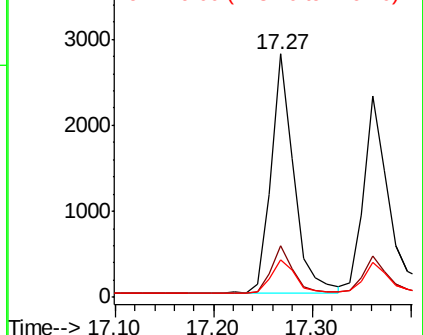
179 15.1 12.3 18.5



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.382 ng

RT: 17.36 min Scan# 1156

Delta R.T. 0.01 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

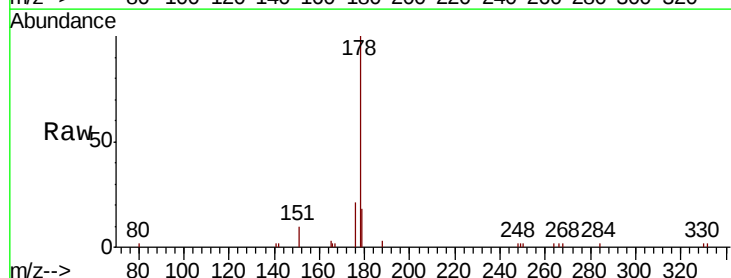
Tgt Ion:178 Resp: 3841

Ion Ratio Lower Upper

178 100

176 18.9 15.0 22.4

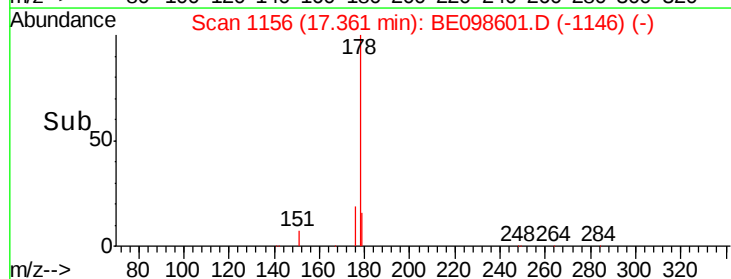
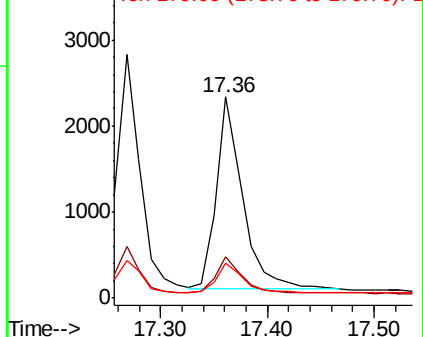
179 15.1 12.3 18.5

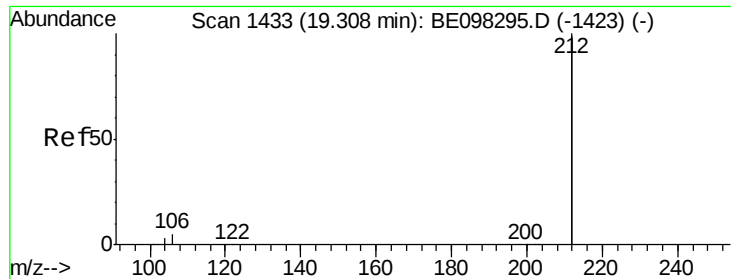


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.404 ng

RT: 19.26 min Scan# 1425

Delta R.T. 0.01 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

Instrument :

BNA_E

ClientSampleId :

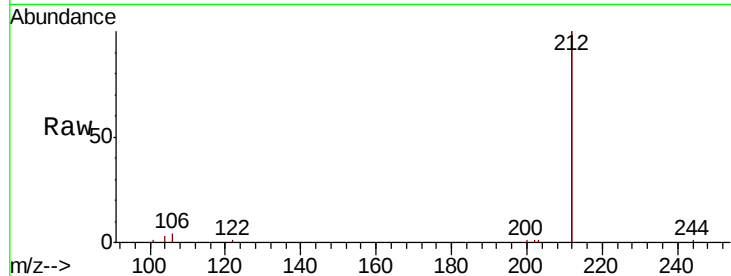
Tot Ion:212 Resp: 24068

Ion Ratio Lower Upper

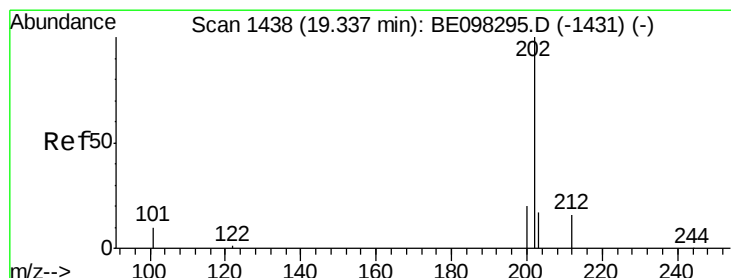
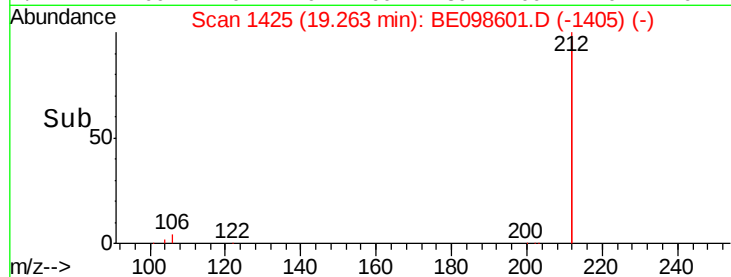
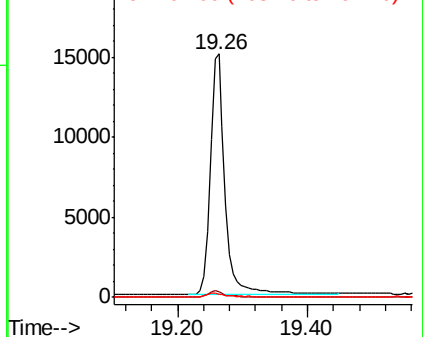
212 100

106 2.2 2.2 3.2

104 1.3 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: 0.373 ng

RT: 19.29 min Scan# 1430

Delta R.T. 0.01 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

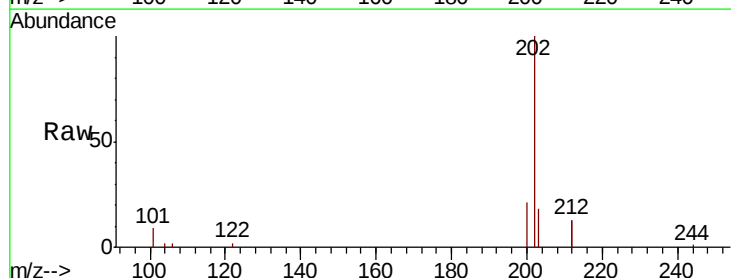
Tgt Ion:202 Resp: 5575

Ion Ratio Lower Upper

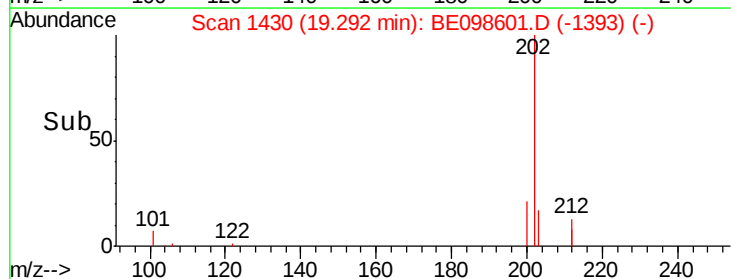
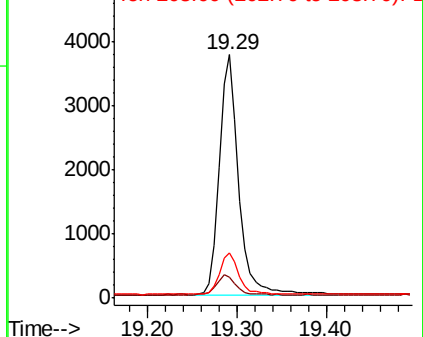
202 100

101 8.6 8.0 12.0

203 17.2 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: BE098601.D

Acq: 2 Jan 2019 10:23

Instrument :

BNA_E

ClientSampleId :

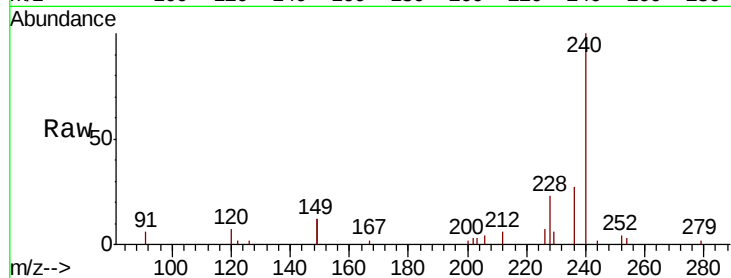
Tot Ion:240 Resp: 5780

Ion Ratio Lower Upper

240 100

120 6.6 9.5 14.3#

236 26.7 22.7 34.1

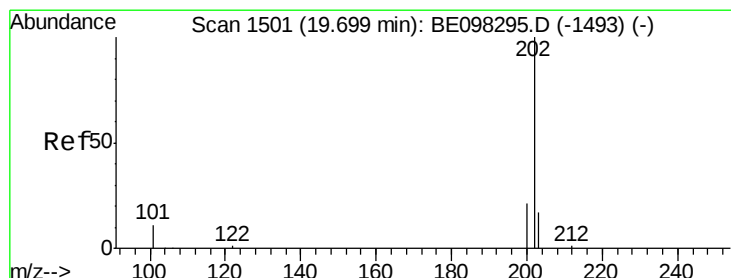
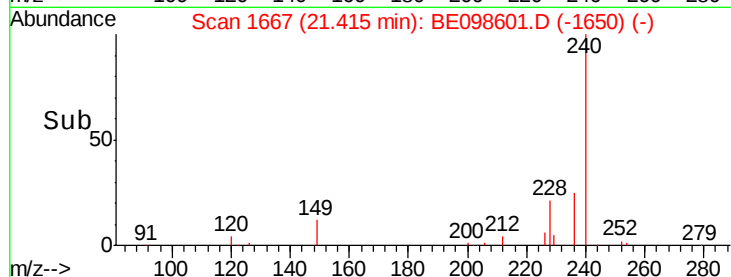
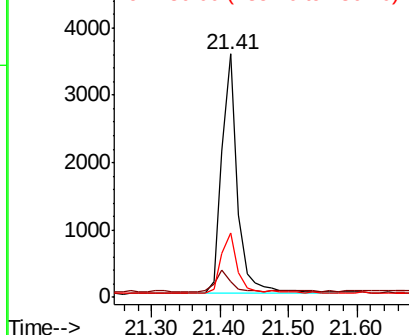


Abundance

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: 0.315 ng

RT: 19.65 min Scan# 1493

Delta R.T. 0.01 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

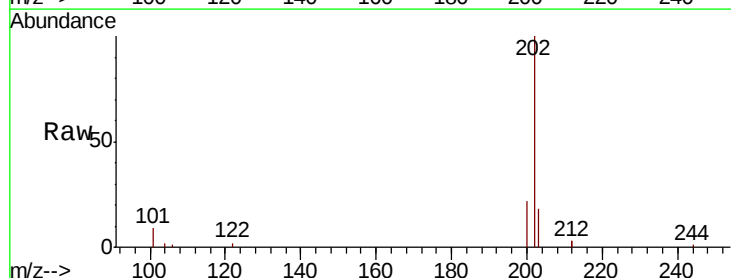
Tgt Ion:202 Resp: 5707

Ion Ratio Lower Upper

202 100

200 21.4 16.7 25.1

203 17.8 14.1 21.1

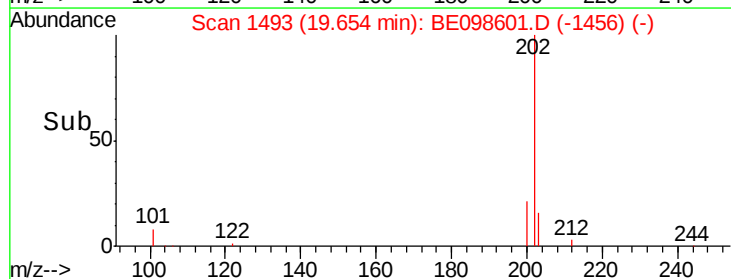
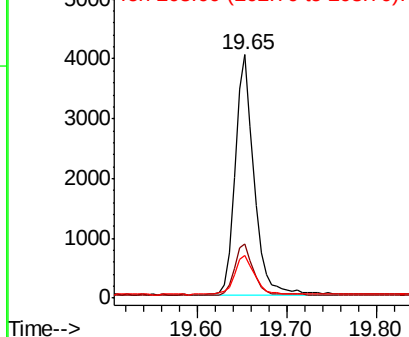


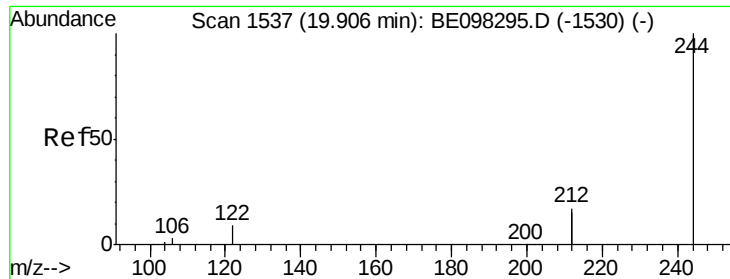
Abundance

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

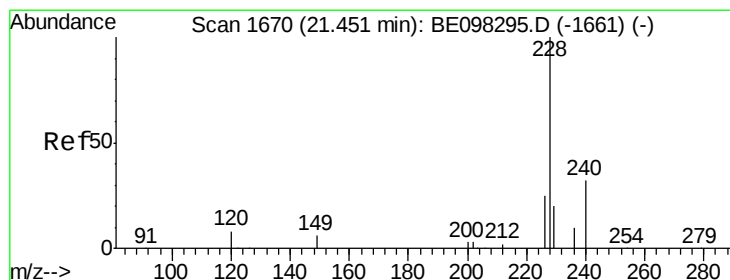
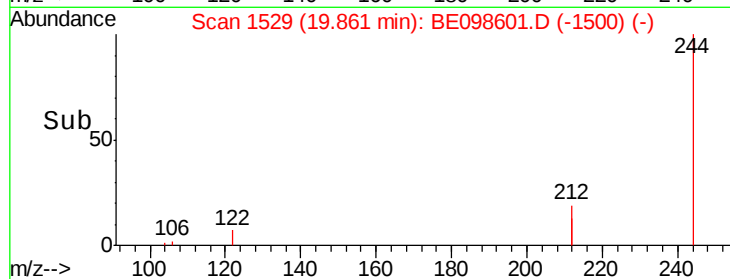
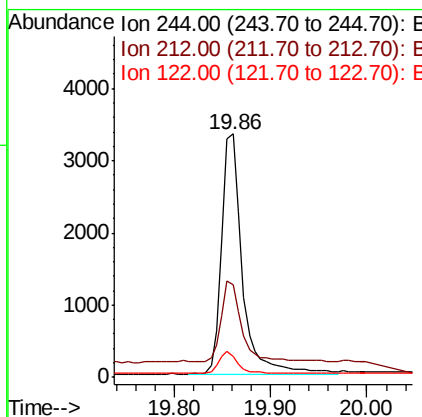
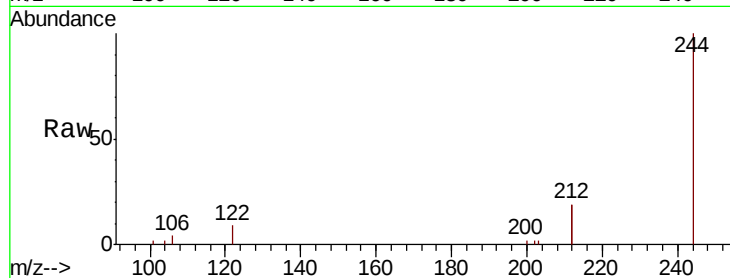




#29
 Terphenyl-d14
 Concen: 0.358 ng
 RT: 19.86 min Scan# 1529
 Delta R.T. 0.01 min
 Lab File: BE098601.D
 Acq: 2 Jan 2019 10:23

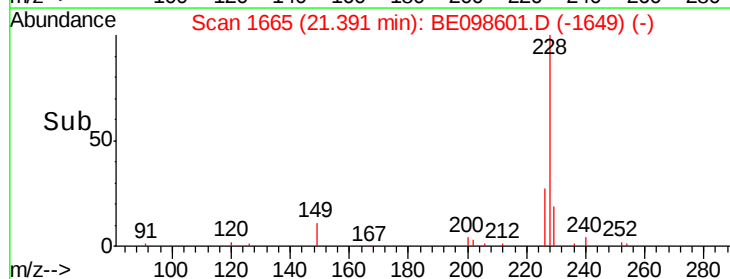
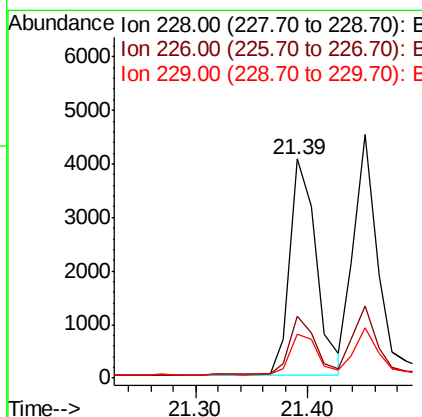
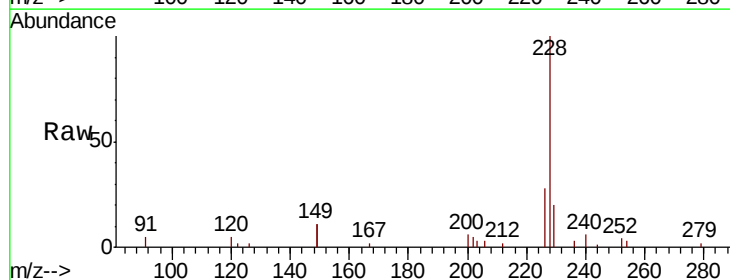
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:244 Resp: 5029
 Ion Ratio Lower Upper
 244 100
 212 38.2 27.4 41.0
 122 8.6 8.3 12.5



#30
 Benzo(a)anthracene
 Concen: 0.400 ng
 RT: 21.39 min Scan# 1665
 Delta R.T. -0.00 min
 Lab File: BE098601.D
 Acq: 2 Jan 2019 10:23

Tgt Ion:228 Resp: 6585
 Ion Ratio Lower Upper
 228 100
 226 28.4 21.8 32.8
 229 20.1 16.3 24.5



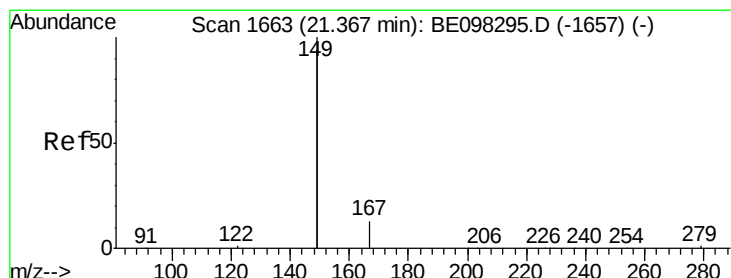
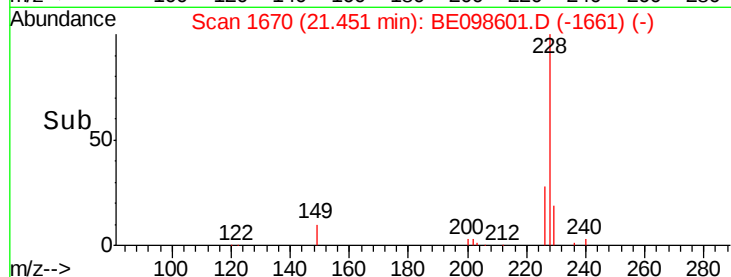
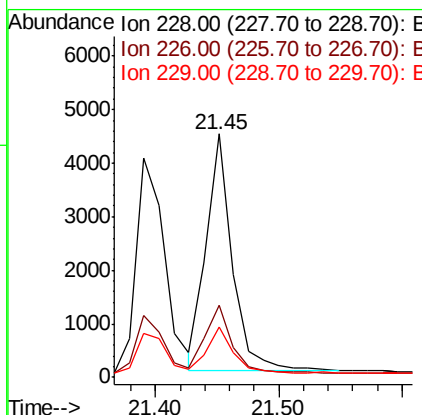
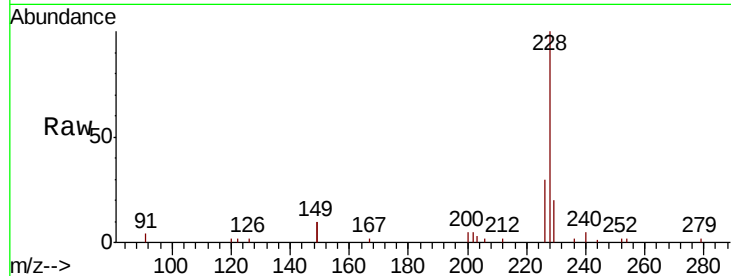


#31
 Chrysene
 Concen: 0.374 ng
 RT: 21.45 min Scan# 1670
 Delta R.T. 0.01 min
 Lab File: BE098601.D
 Acq: 2 Jan 2019 10:23

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:228 Resp: 6450

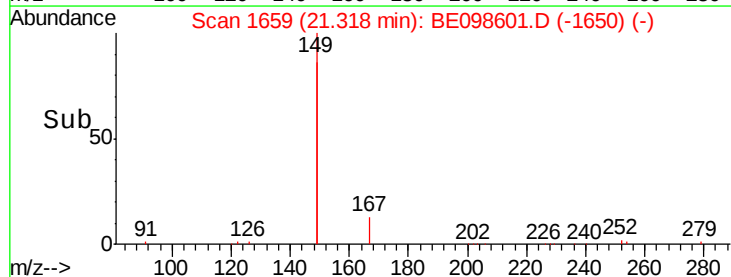
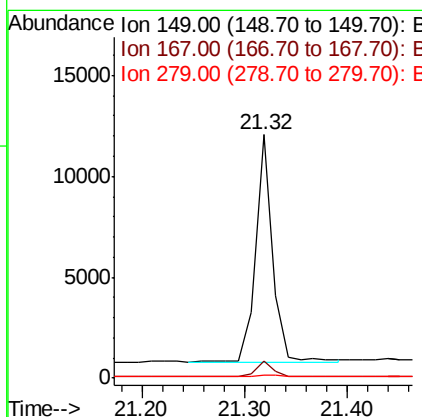
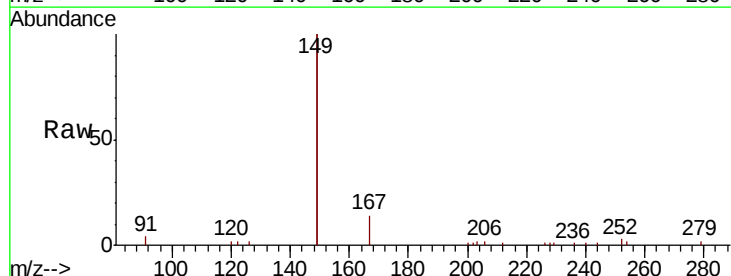
Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.4	35.0
229	20.4	16.2	24.4



#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.388 ng
 RT: 21.32 min Scan# 1659
 Delta R.T. 0.01 min
 Lab File: BE098601.D
 Acq: 2 Jan 2019 10:23

Tgt Ion:149 Resp: 12976

Ion	Ratio	Lower	Upper
149	100		
167	6.8	5.7	8.5
279	1.2	1.0	1.4

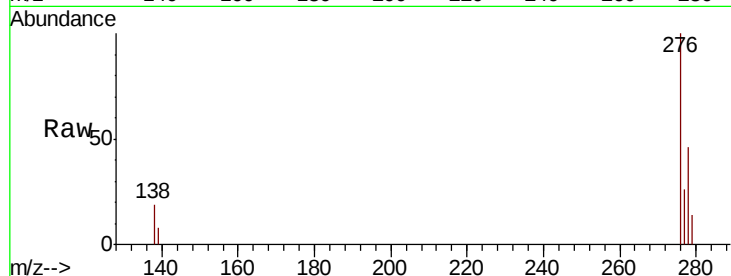




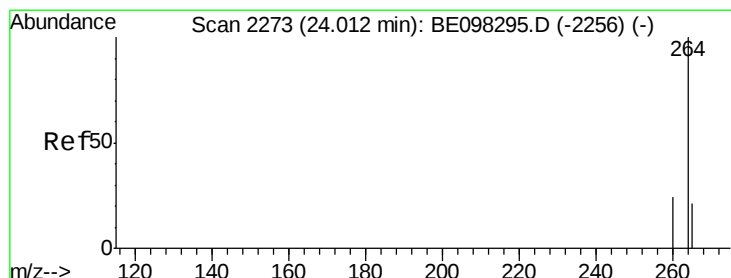
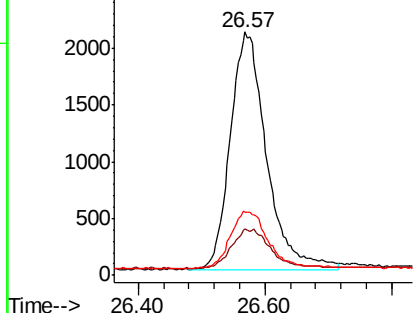
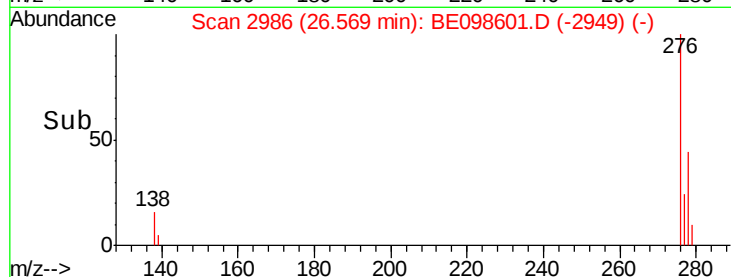
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.484 ng
 RT: 26.57 min Scan# 2986
 Delta R.T. -0.07 min
 Lab File: BE098601.D
 Acq: 2 Jan 2019 10:23

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 8296
 Ion Ratio Lower Upper
 276 100
 138 8.7 16.3 24.5#
 277 24.9 20.2 30.4

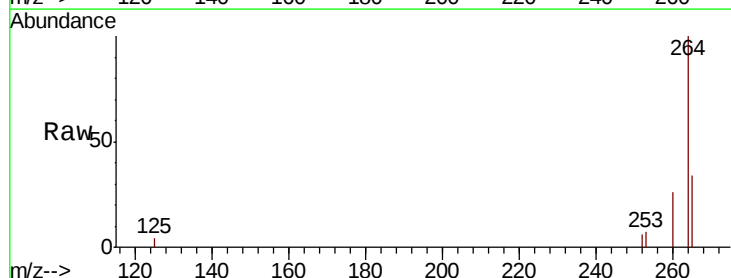


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

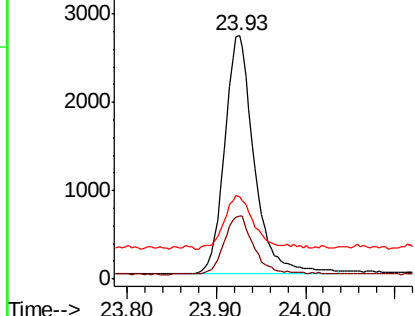
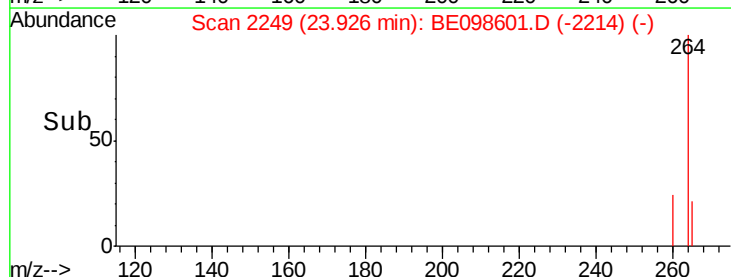


#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.93 min Scan# 2249
 Delta R.T. -0.03 min
 Lab File: BE098601.D
 Acq: 2 Jan 2019 10:23

Tgt Ion:264 Resp: 6223
 Ion Ratio Lower Upper
 264 100
 260 25.8 20.2 30.2
 265 33.8 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: 0.402 ng

RT: 23.15 min Scan# 2032

Delta R.T. -0.02 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

Instrument :

BNA_E

ClientSampleId :

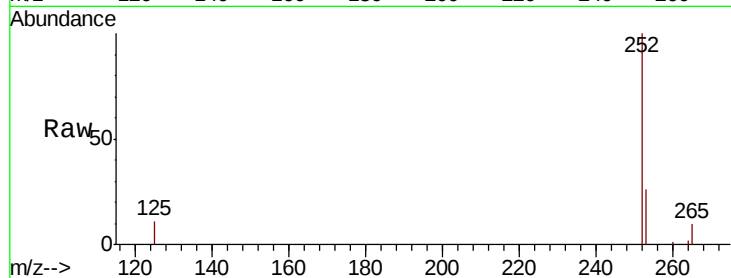
Tot Ion:252 Resp: 6845

Ion Ratio Lower Upper

252 100

253 25.5 20.0 30.0

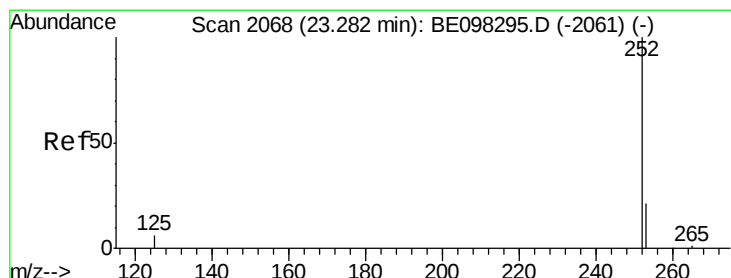
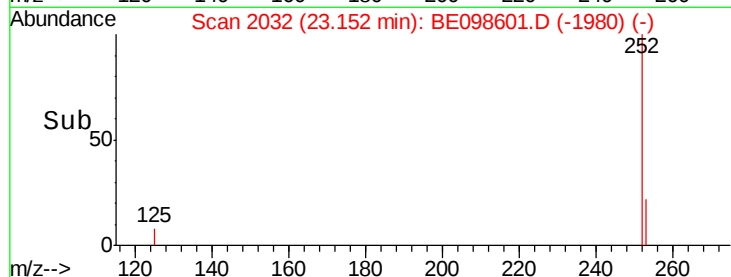
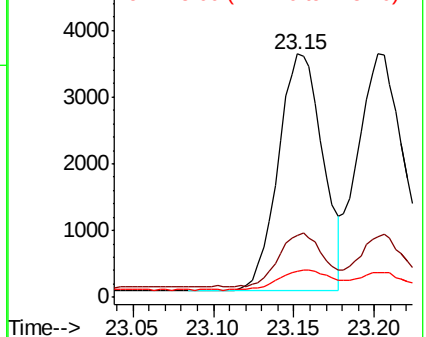
125 10.7 9.6 14.4



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: 0.384 ng

RT: 23.20 min Scan# 2046

Delta R.T. -0.02 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

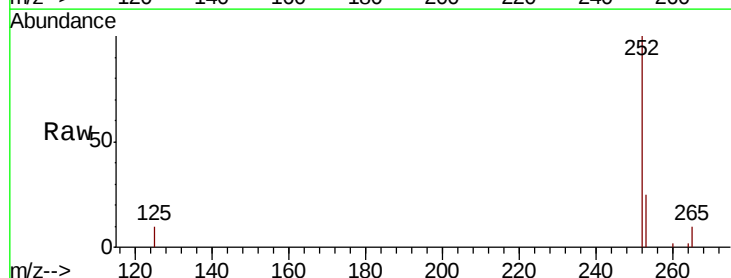
Tgt Ion:252 Resp: 7609

Ion Ratio Lower Upper

252 100

253 24.8 19.0 28.6

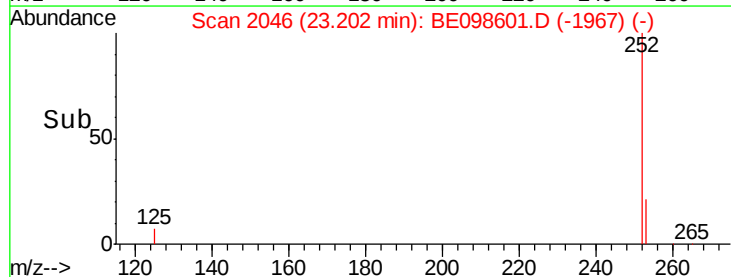
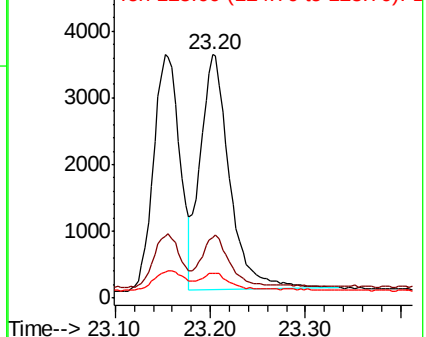
125 10.0 9.1 13.7



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: 0.404 ng

RT: 23.81 min Scan# 2217

Delta R.T. -0.03 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

Instrument :

BNA_E

ClientSampleId :

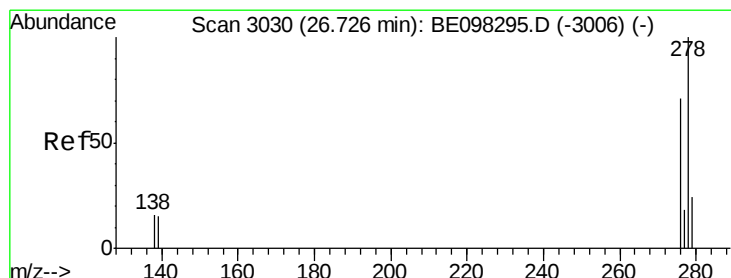
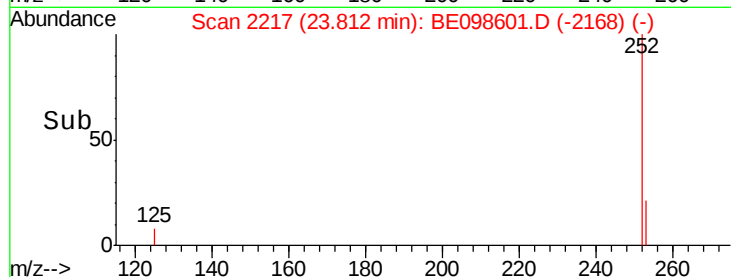
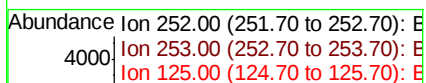
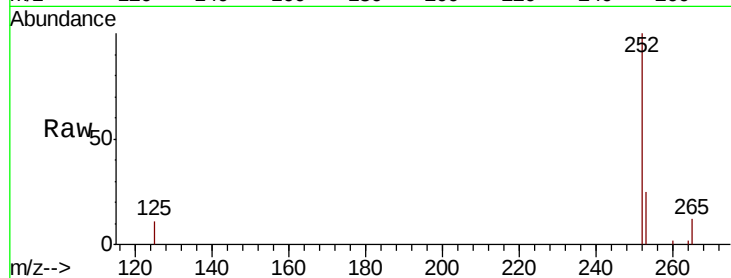
Tot Ion:252 Resp: 7089

Ion Ratio Lower Upper

252 100

253 25.4 20.6 30.8

125 11.2 10.5 15.7



#38

Dibenzo(a,h)anthracene

Concen: 0.402 ng

RT: 26.60 min Scan# 2994

Delta R.T. -0.07 min

Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

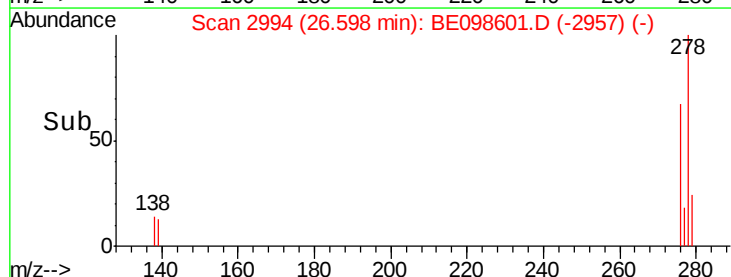
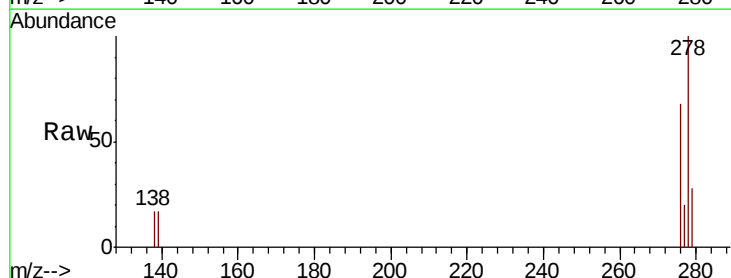
Tgt Ion:278 Resp: 6642

Ion Ratio Lower Upper

278 100

139 16.5 14.5 21.7

279 28.1 21.8 32.8





#39

Benzo(a,h,i)perylene

Concen: 0.430 ng

RT: 27.39 min Scan# 3215

Delta R.T. -0.08 min

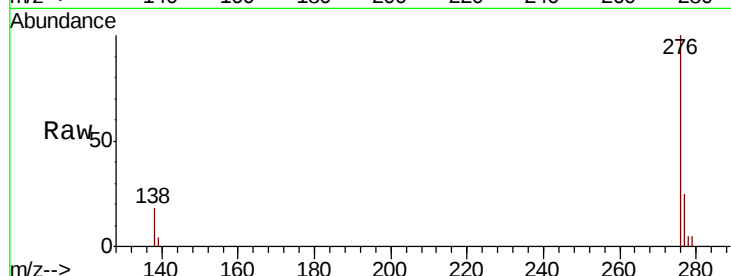
Lab File: BE098601.D

Acq: 2 Jan 2019 10:23

Instrument :

BNA_E

ClientSampleId :



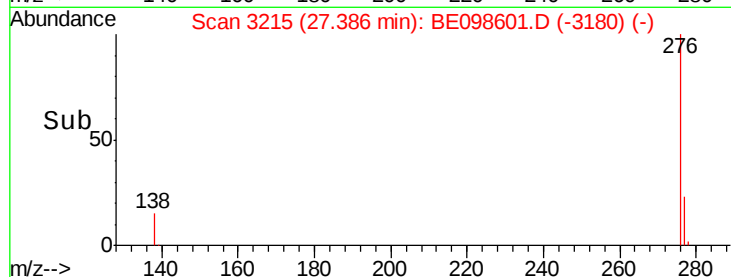
Tot Ion: 276 Resp: 7162

Ion Ratio Lower Upper

276 100

277 25.0 20.8 31.2

138 17.6 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

