

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121818\
 Data File : BE098509.D
 Acq On : 18 Dec 2018 10:10
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 18 11:27:12 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 10 14:59:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	1053	0.40	ng	0.00
7) Naphthalene-d8	10.65	136	5118	0.40	ng	-0.01
13) Acenaphthene-d10	14.53	164	3154	0.40	ng	0.00
19) Phenanthrene-d10	17.27	188	7355	0.40	ng	-0.01
27) Chrysene-d12	21.45	240	8229	0.40	ng	-0.01
34) Perylene-d12	24.00	264	7580	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.45	112	1193	0.48	ng	0.00
5) Phenol-d6	7.03	99	1838	0.53	ng	-0.01
8) Nitrobenzene-d5	9.02	82	1633	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	12.25	152	3565	0.43	ng	-0.01
14) 2,4,6-Tribromophenol	16.02	330	542	0.47	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	5450	0.41	ng	0.00
25) Fluoranthene-d10	19.30	212	38681	0.41	ng	0.00
29) Terphenyl-d14	19.90	244	7700	0.39	ng	0.00

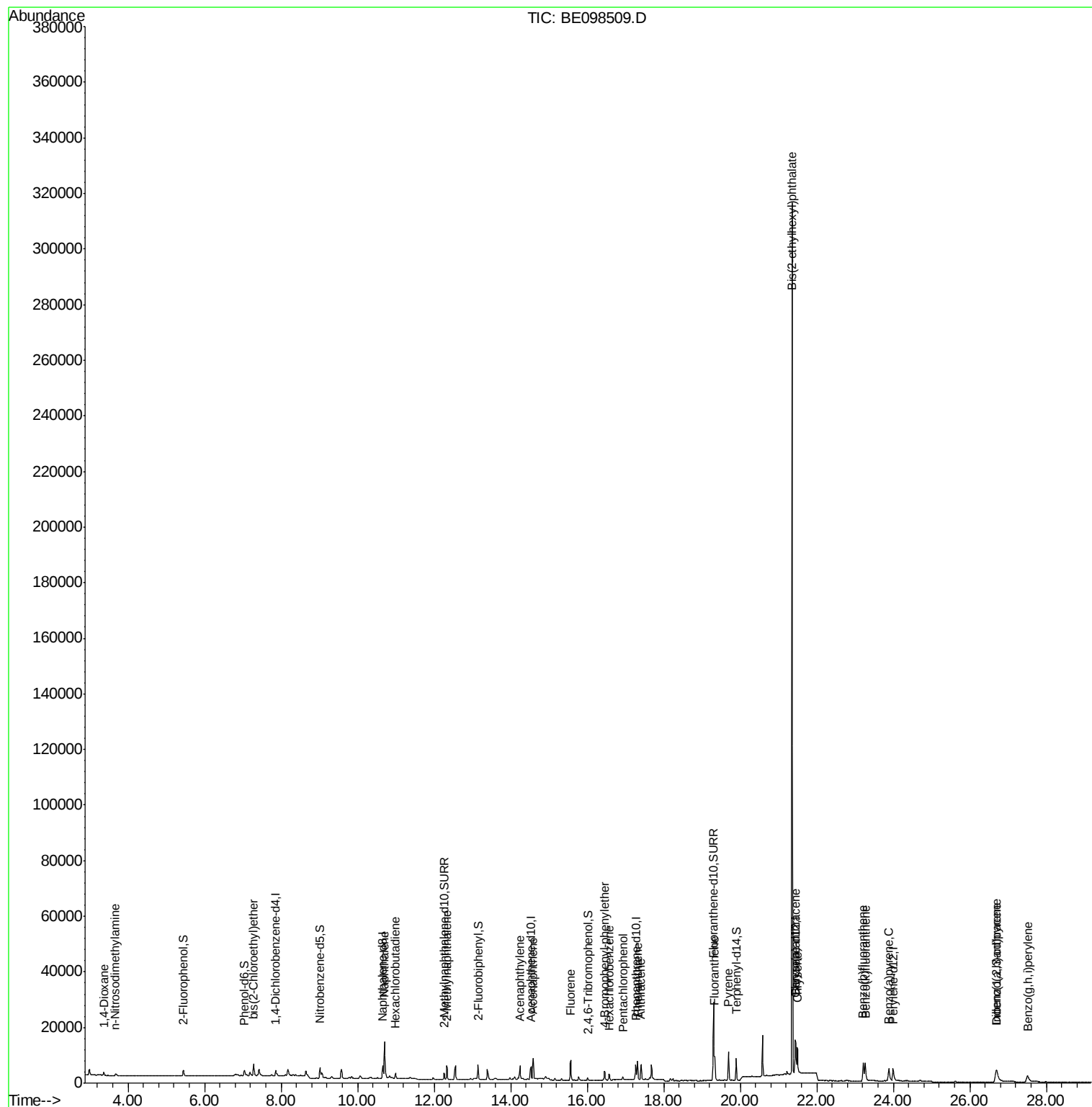
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.36	88	717	0.394	ng	88
3) n-Nitrosodimethylamine	3.67	42	814	0.497	ng	# 100
6) bis(2-Chloroethyl)ether	7.28	93	1589	0.479	ng	96
9) Naphthalene	10.71	128	22040	0.428	ng	100
10) Hexachlorobutadiene	10.99	225	1270	0.387	ng	98
12) 2-Methylnaphthalene	12.33	142	3780	0.452	ng	96
16) Acenaphthylene	14.24	152	5667	0.384	ng	100
17) Acenaphthene	14.59	154	3615	0.407	ng	96
18) Fluorene	15.57	166	4807	0.405	ng	99
20) 4-Bromophenyl-phenylether	16.46	248	1805	0.456	ng	# 75
21) Hexachlorobenzene	16.58	284	1782	0.419	ng	91
22) Pentachlorophenol	16.93	266	659	0.837	ng	95
23) Phenanthrene	17.31	178	7977	0.446	ng	99
24) Anthracene	17.40	178	6935	0.435	ng	100
26) Fluoranthene	19.33	202	9918	0.419	ng	98
28) Pyrene	19.69	202	10306	0.399	ng	100
30) Benzo(a)anthracene	21.44	228	9941	0.424	ng	99
31) Chrysene	21.49	228	10221	0.416	ng	97
32) Bis(2-ethylhexyl)phthalate	21.35	149	332162	6.979	ng	99
33) Indeno(1,2,3-cd)pyrene	26.69	276	8781	0.360	ng	# 86
35) Benzo(b)fluoranthene	23.22	252	9926	0.479	ng	98
36) Benzo(k)fluoranthene	23.26	252	10657	0.441	ng	99
37) Benzo(a)pyrene	23.88	252	9034	0.422	ng	99
38) Dibenzo(a,h)anthracene	26.71	278	7245	0.360	ng	97
39) Benzo(g,h,i)perylene	27.51	276	6957	0.343	ng	98

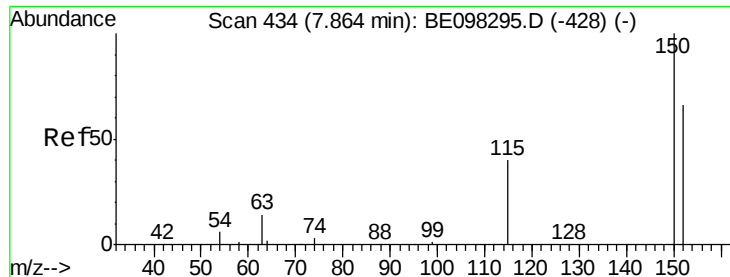
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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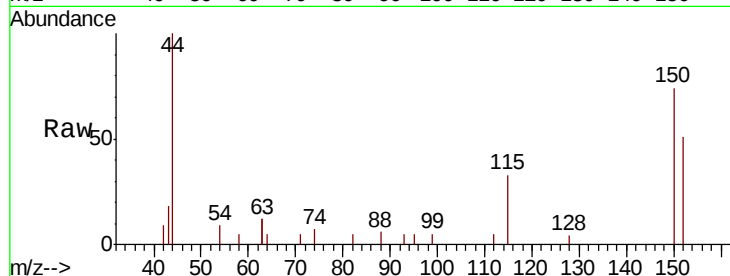


#1

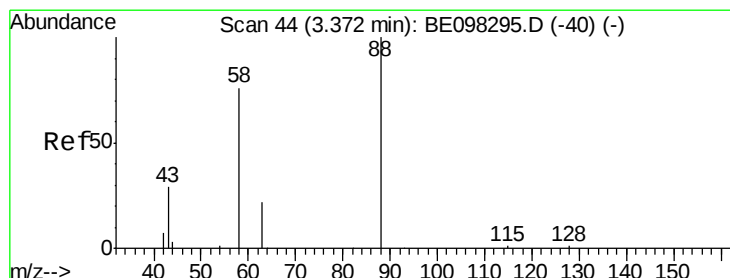
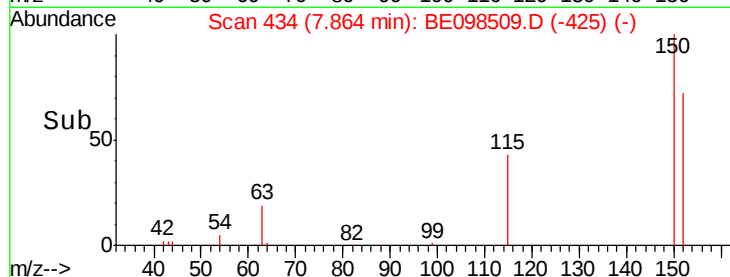
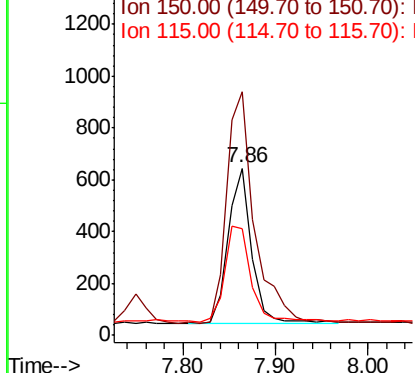
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. 0.00 min
Lab File: BE098509.D
Acq: 18 Dec 2018 10:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 1053
Ion Ratio Lower Upper
152 100
150 145.6 124.2 186.4
115 63.9 53.9 80.9



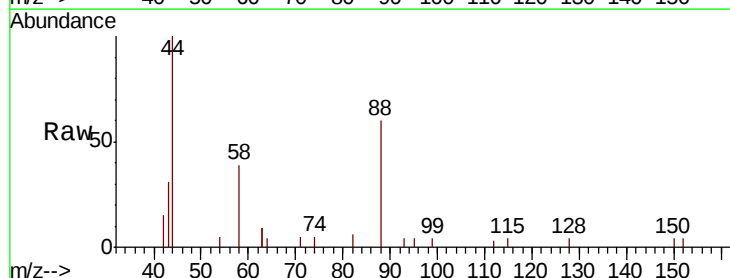
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



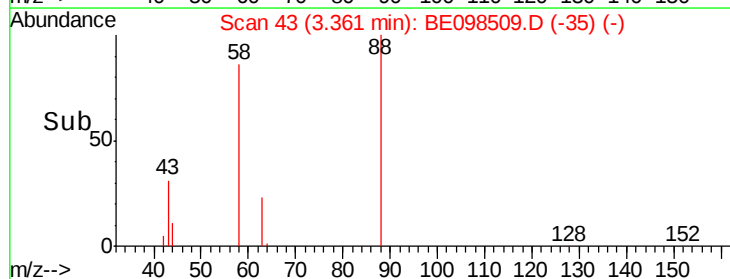
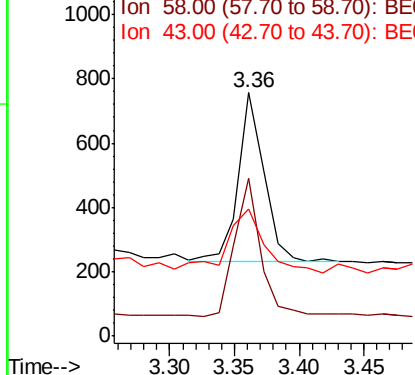
#2

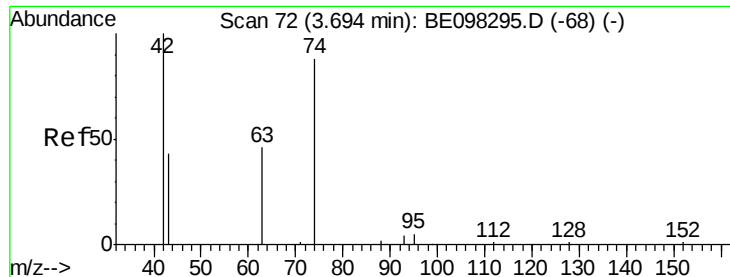
1,4-Dioxane
Concen: 0.394 ng
RT: 3.36 min Scan# 43
Delta R.T. -0.01 min
Lab File: BE098509.D
Acq: 18 Dec 2018 10:10

Tgt Ion: 88 Resp: 717
Ion Ratio Lower Upper
88 100
58 83.1 75.0 112.6
43 56.6 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



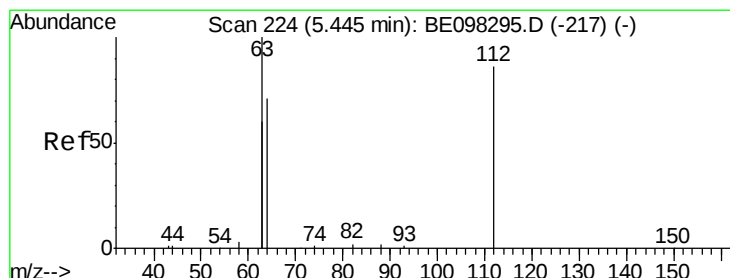
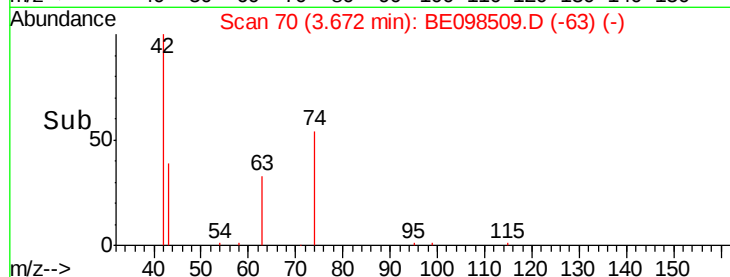
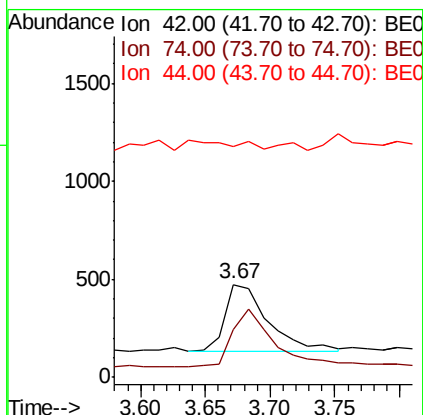
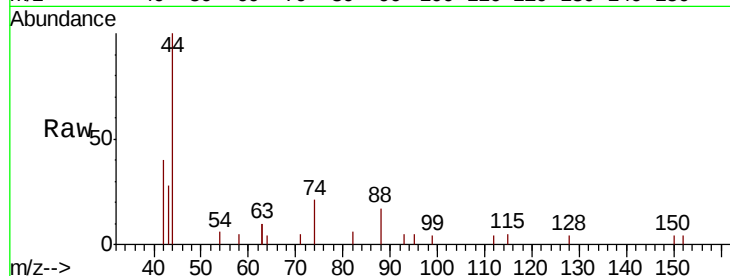


#3

n-Nitrosodimethylamine
 Concen: 0.497 ng
 RT: 3.67 min Scan# 70
 Delta R.T. -0.02 min
 Lab File: BE098509.D
 Acq: 18 Dec 2018 10:10

Instrument :
 BNA_F
 ClientSampleId :

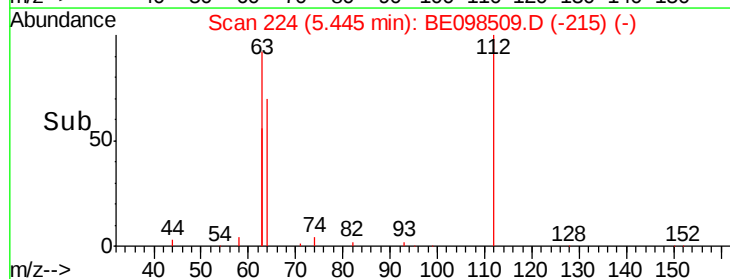
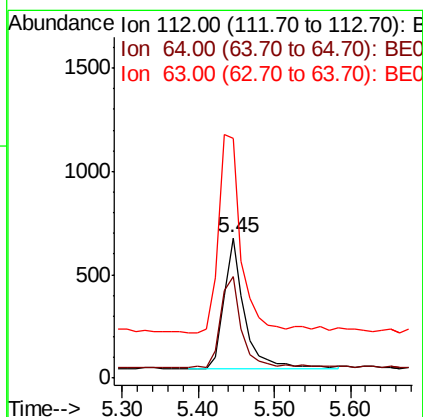
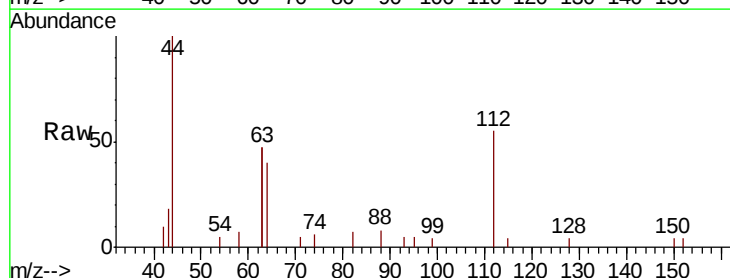
Tot Ion: 42 Resp: 814
 Ion Ratio Lower Upper
 42 100
 74 79.9 0.0 0.0#
 44 0.0 0.0 0.0

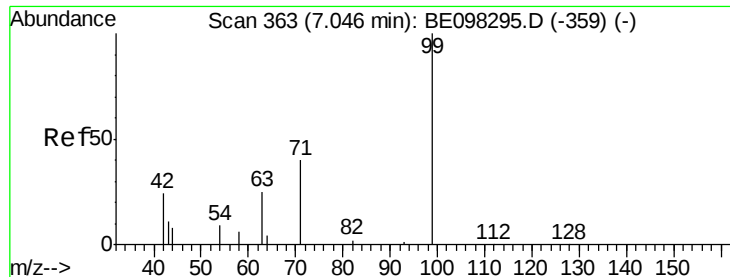


#4

2-Fluorophenol
 Concen: 0.484 ng
 RT: 5.45 min Scan# 224
 Delta R.T. 0.00 min
 Lab File: BE098509.D
 Acq: 18 Dec 2018 10:10

Tgt Ion: 112 Resp: 1193
 Ion Ratio Lower Upper
 112 100
 64 73.1 59.8 89.8
 63 166.7 133.7 200.5





#5

Phenol-d6

Concen: 0.527 ng

RT: 7.03 min Scan# 362

Delta R.T. -0.01 min

Lab File: BE098509.D

Acq: 18 Dec 2018 10:10

Instrument :

BNA_F

ClientSampleId :

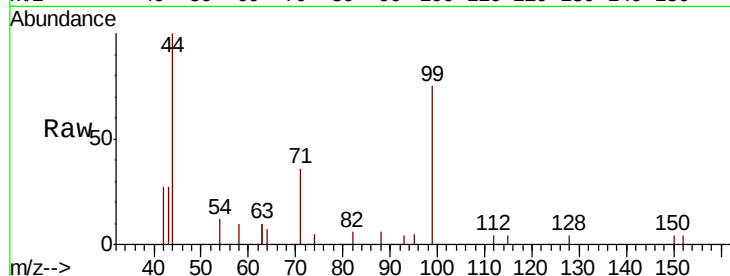
Tot Ion: 99 Resp: 1838

Ion Ratio Lower Upper

99 100

42 28.5 26.3 39.5

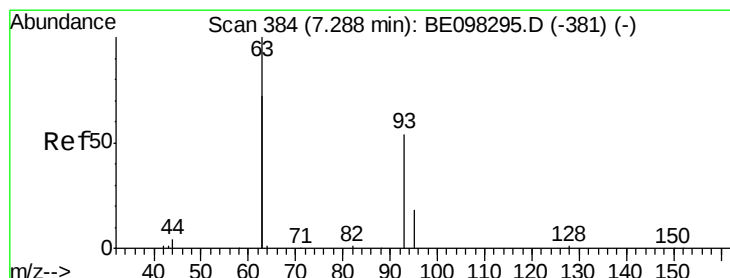
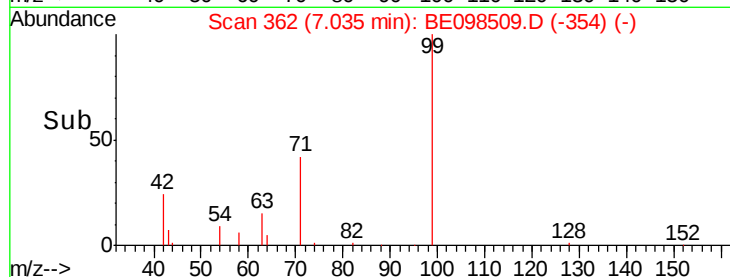
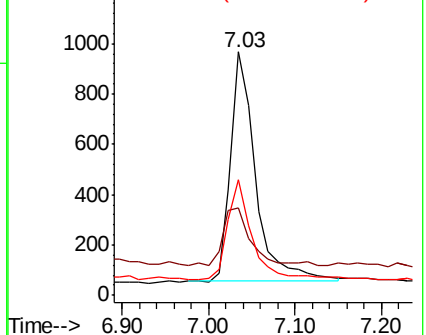
71 44.7 33.6 50.4



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: 0.479 ng

RT: 7.28 min Scan# 383

Delta R.T. -0.01 min

Lab File: BE098509.D

Acq: 18 Dec 2018 10:10

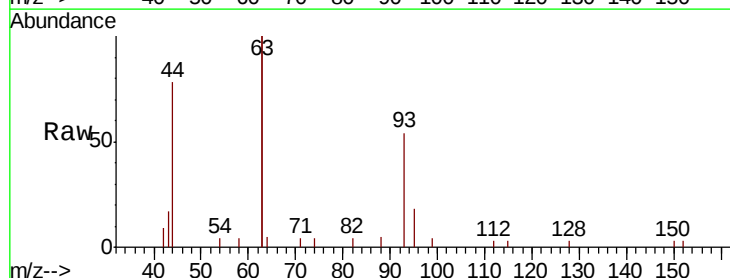
Tgt Ion: 93 Resp: 1589

Ion Ratio Lower Upper

93 100

63 321.2 264.4 396.6

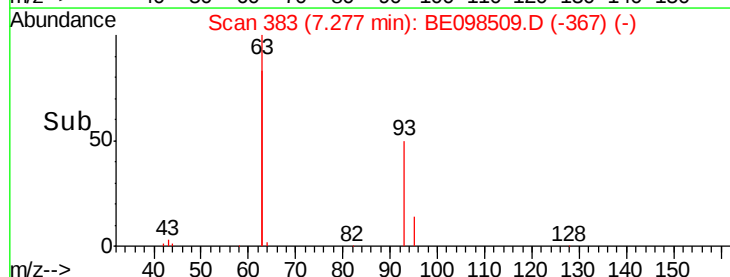
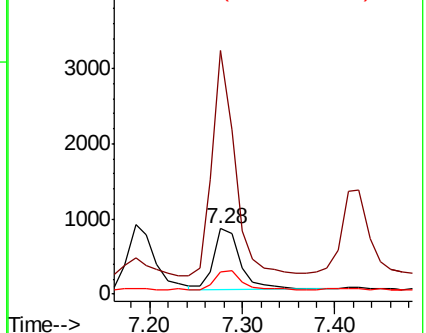
95 33.5 26.6 40.0

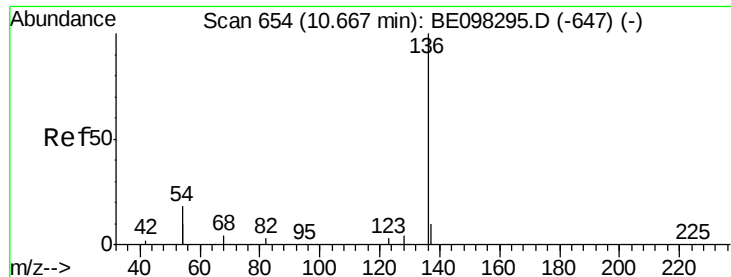


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE098509.D

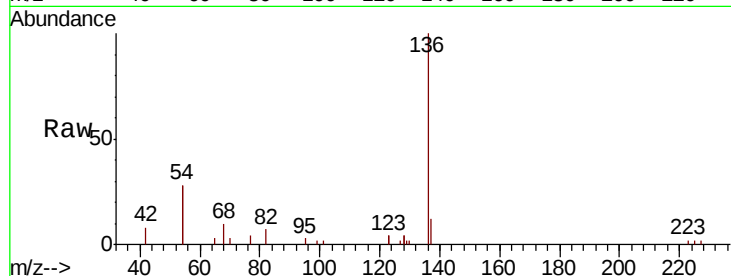
Acq: 18 Dec 2018 10:10

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	5118
Ion Ratio	Lower	Upper
136	100	
137	12.4	9.2 13.8
54	56.4	28.4 42.6#
68	10.0	5.4 8.0#

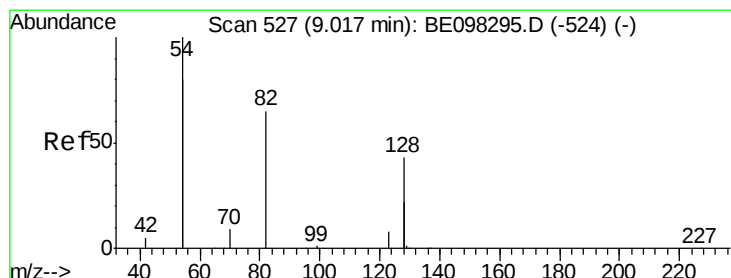
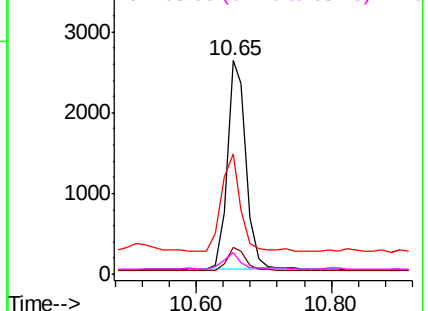
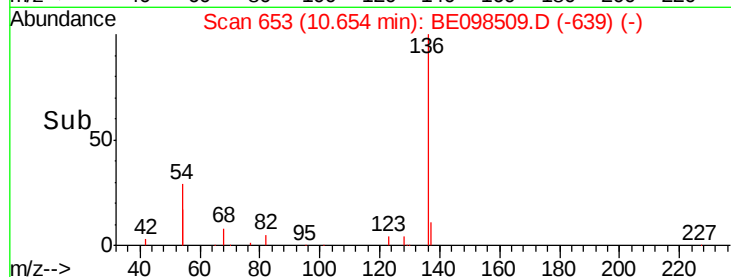


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.351 ng

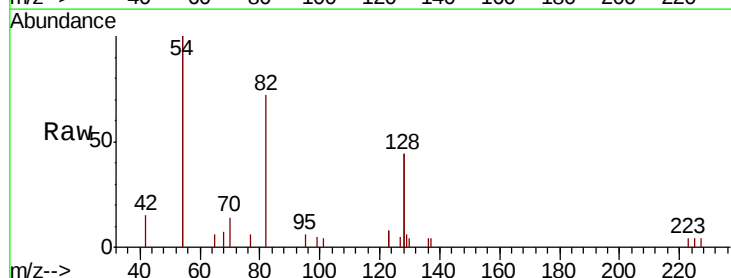
RT: 9.02 min Scan# 527

Delta R.T. 0.00 min

Lab File: BE098509.D

Acq: 18 Dec 2018 10:10

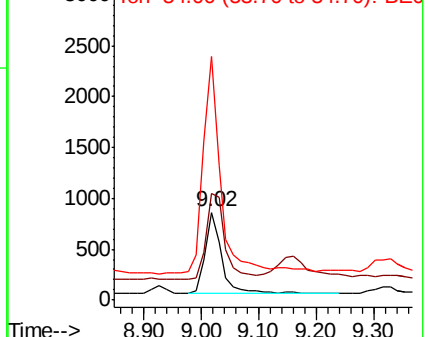
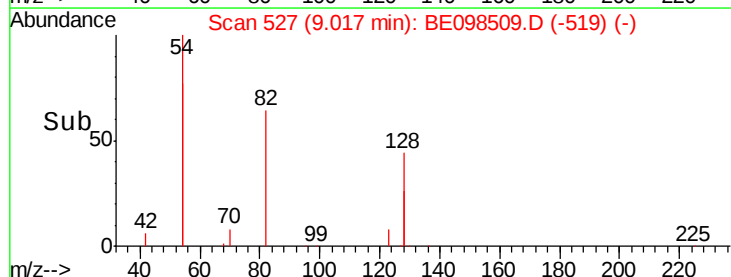
Tgt Ion: 82	Resp:	1633
Ion Ratio	Lower	Upper
82	100	
128	120.9	102.4 153.6
54	276.8	221.8 332.8

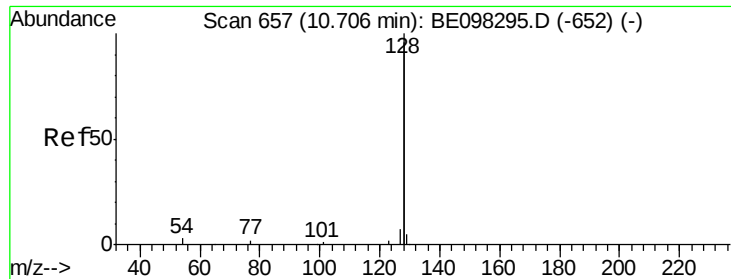


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.428 ng

RT: 10.71 min Scan# 657

Delta R.T. 0.00 min

Lab File: BE098509.D

Acq: 18 Dec 2018 10:10

Instrument :

BNA_F

ClientSampleId :

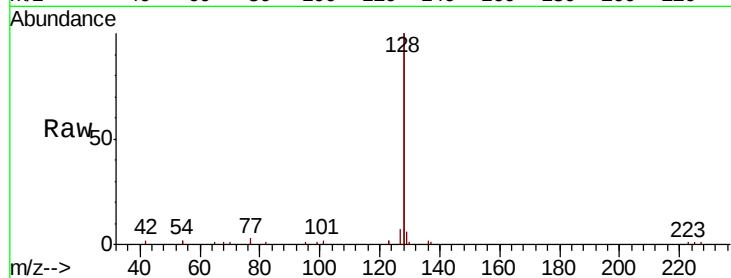
Tot Ion:128 Resp: 22040

Ion Ratio Lower Upper

128 100

129 3.2 2.5 3.7

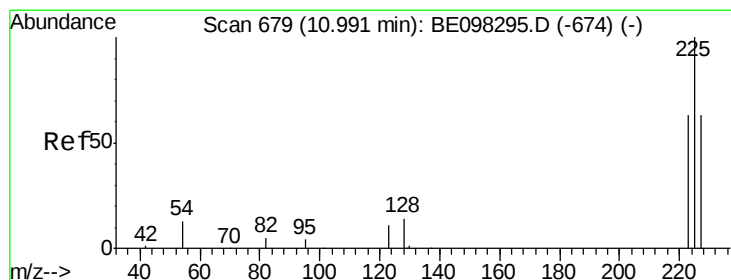
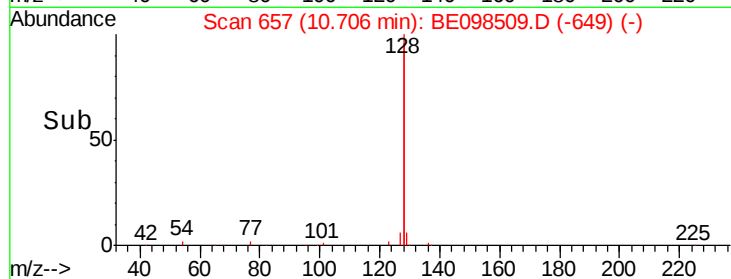
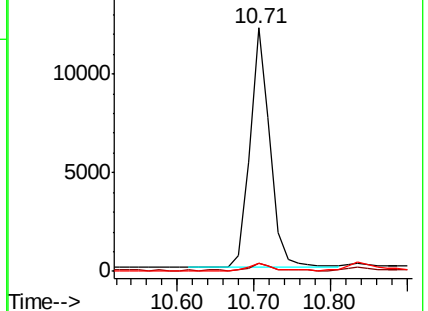
127 3.5 2.7 4.1



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.387 ng

RT: 10.99 min Scan# 679

Delta R.T. 0.00 min

Lab File: BE098509.D

Acq: 18 Dec 2018 10:10

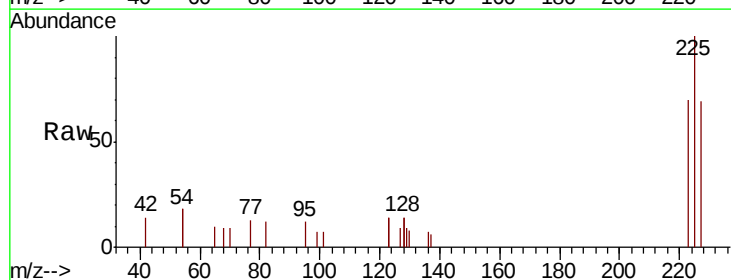
Tgt Ion:225 Resp: 1270

Ion Ratio Lower Upper

225 100

223 65.4 49.4 74.0

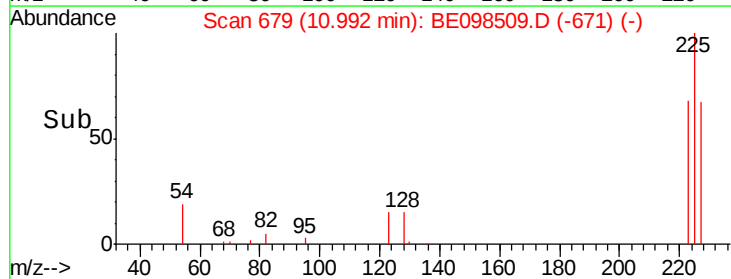
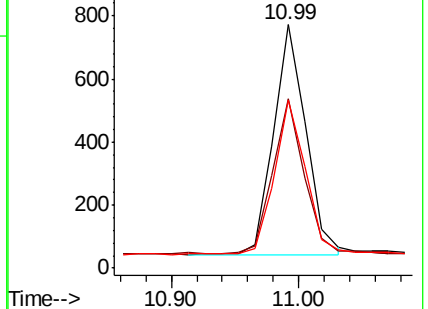
227 64.7 52.0 78.0

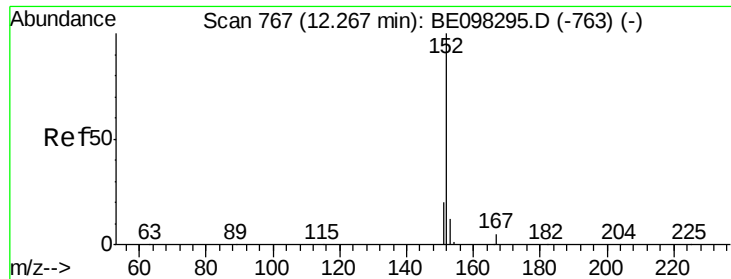


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

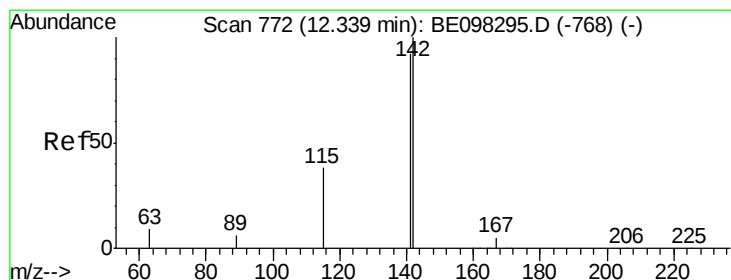
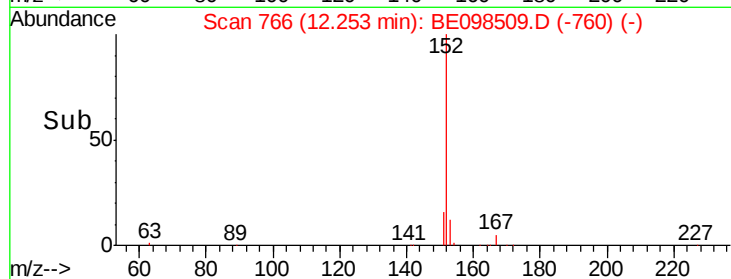
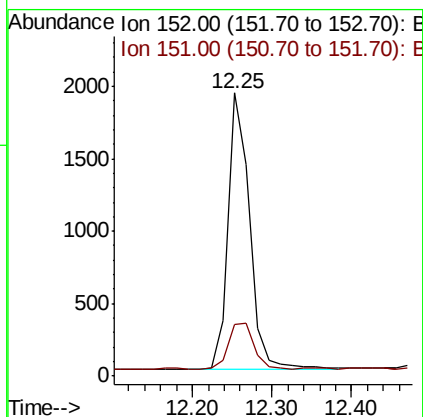
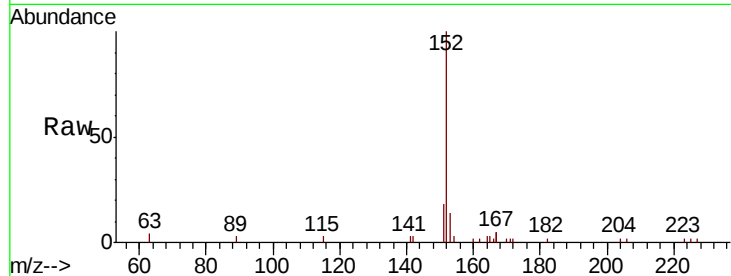




#11
 2-Methylnaphthalene-d10
 Concen: 0.428 ng
 RT: 12.25 min Scan# 766
 Delta R.T. -0.01 min
 Lab File: BE098509.D
 Acq: 18 Dec 2018 10:10

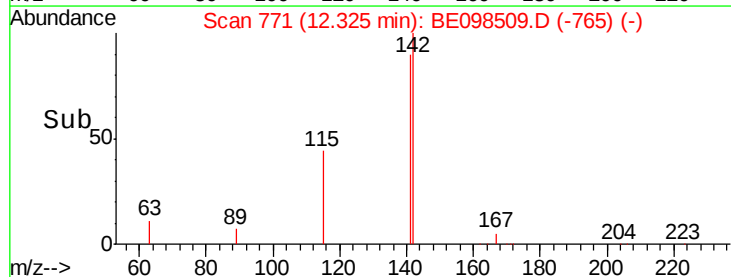
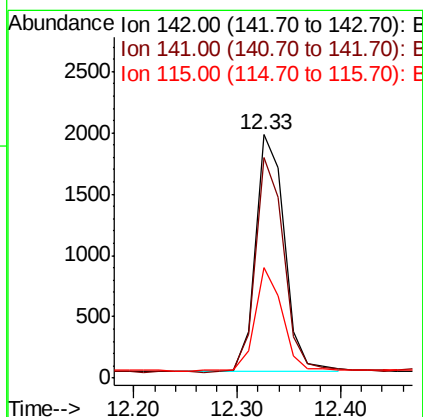
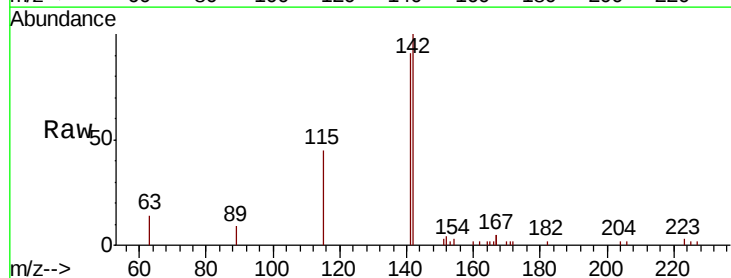
Instrument :
 BNA_F
 ClientSampleId :

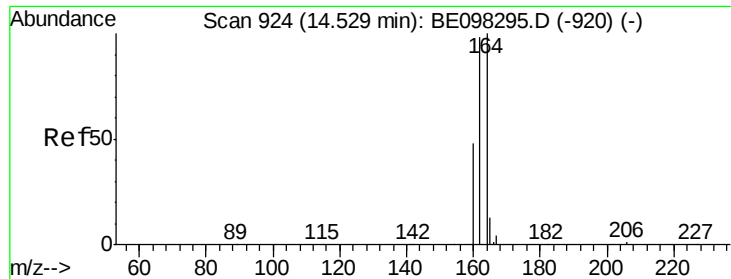
Tot Ion:152 Resp: 3565
 Ion Ratio Lower Upper
 152 100
 151 19.7 16.2 24.4



#12
 2-Methylnaphthalene
 Concen: 0.452 ng
 RT: 12.33 min Scan# 771
 Delta R.T. -0.01 min
 Lab File: BE098509.D
 Acq: 18 Dec 2018 10:10

Tgt Ion:142 Resp: 3780
 Ion Ratio Lower Upper
 142 100
 141 90.6 71.0 106.6
 115 45.4 32.2 48.2

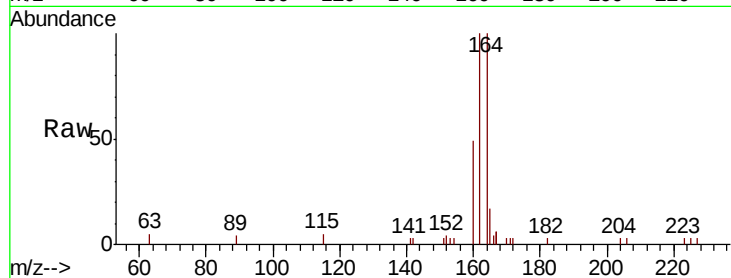




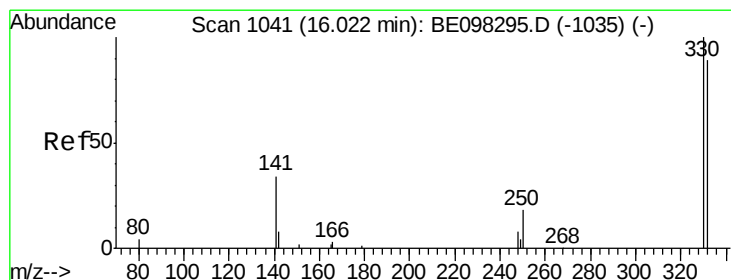
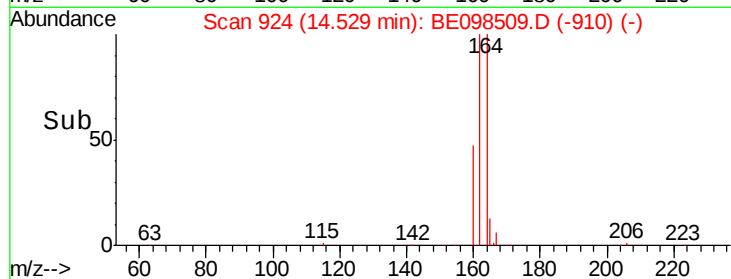
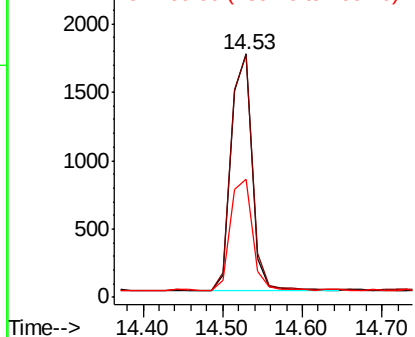
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 924
Delta R.T. 0.00 min
Lab File: BE098509.D
Acq: 18 Dec 2018 10:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 3154
Ion Ratio Lower Upper
164 100
162 99.6 77.6 116.4
160 48.6 36.0 54.0

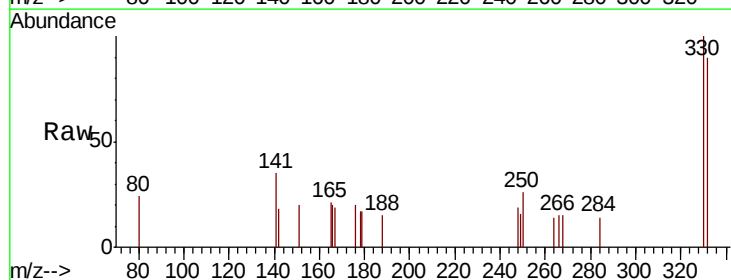


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

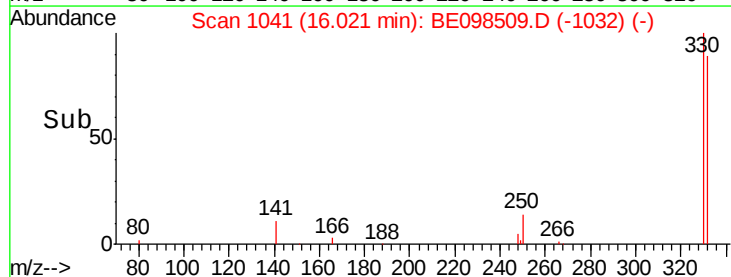
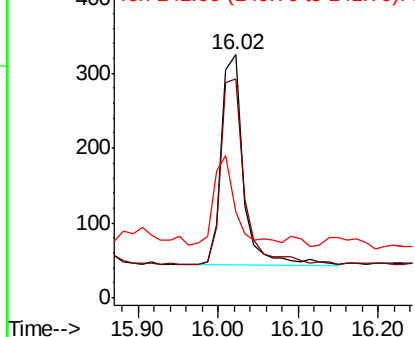


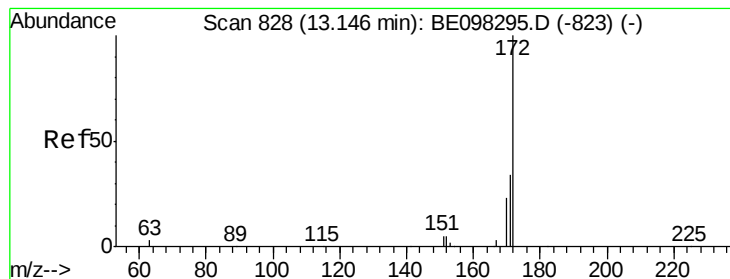
#14
2,4,6-Tribromophenol
Concen: 0.468 ng
RT: 16.02 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BE098509.D
Acq: 18 Dec 2018 10:10

Tgt Ion:330 Resp: 542
Ion Ratio Lower Upper
330 100
332 95.4 76.2 114.4
141 41.7 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

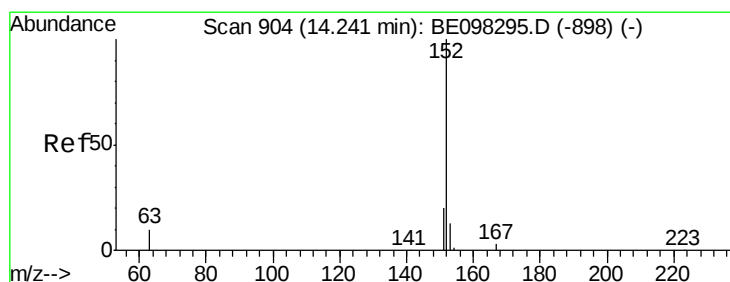
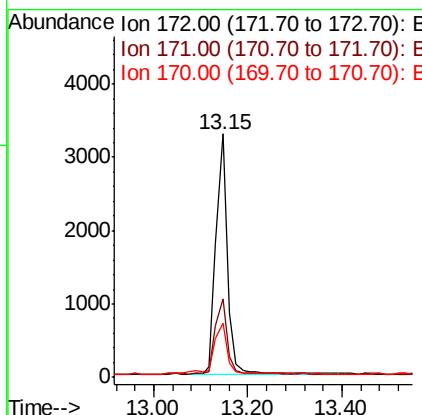
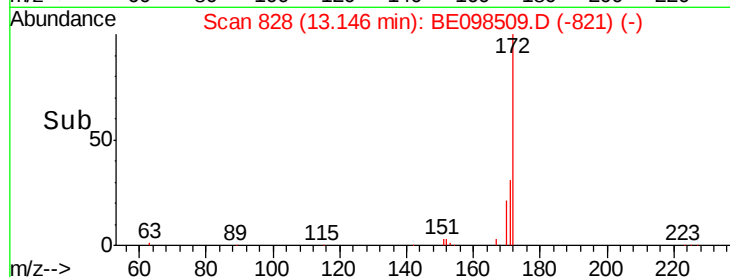
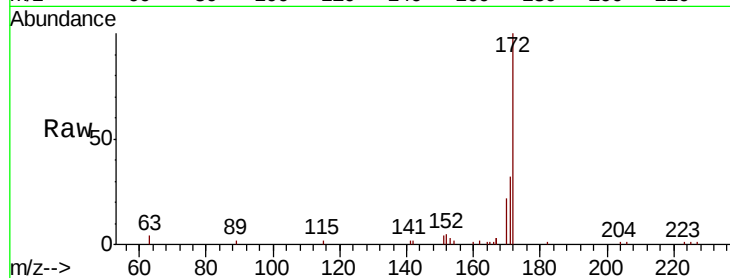




#15
2-Fluorobiphenyl
Concen: 0.410 ng
RT: 13.15 min Scan# 828
Delta R.T. 0.00 min
Lab File: BE098509.D
Acq: 18 Dec 2018 10:10

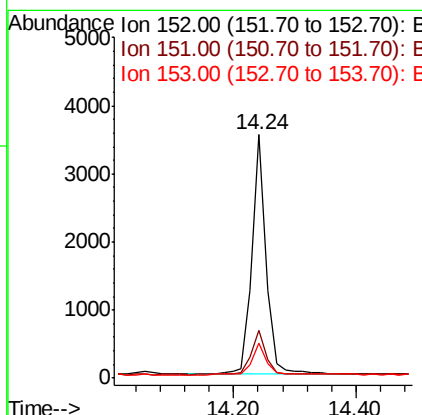
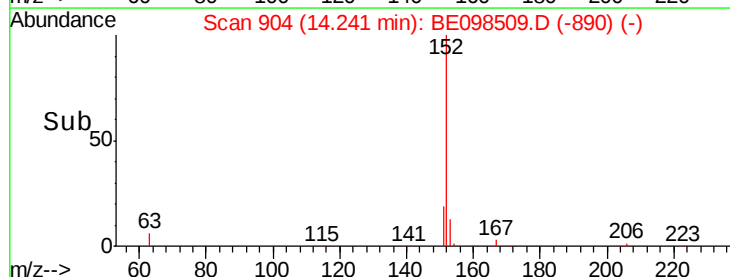
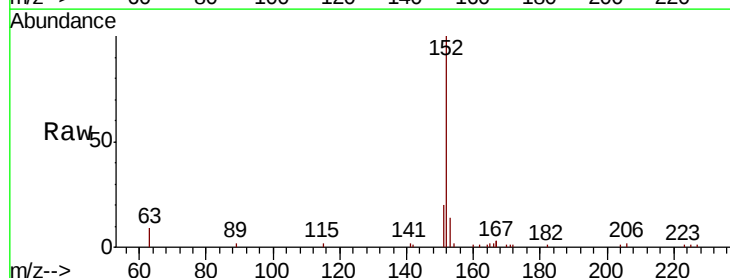
Instrument :
BNA_F
ClientSampleId :

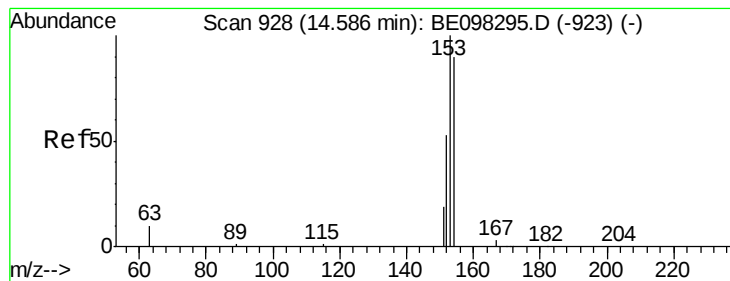
Tot Ion:172 Resp: 5450
Ion Ratio Lower Upper
172 100
171 32.3 27.5 41.3
170 22.2 19.6 29.4



#16
Acenaphthylene
Concen: 0.384 ng
RT: 14.24 min Scan# 904
Delta R.T. 0.00 min
Lab File: BE098509.D
Acq: 18 Dec 2018 10:10

Tgt Ion:152 Resp: 5667
Ion Ratio Lower Upper
152 100
151 19.4 15.5 23.3
153 13.5 10.6 16.0





#17

Acenaphthene

Concen: 0.407 ng

RT: 14.59 min Scan# 928

Delta R.T. 0.00 min

Lab File: BE098509.D

Acq: 18 Dec 2018 10:10

Instrument :

BNA_F

ClientSampleId :

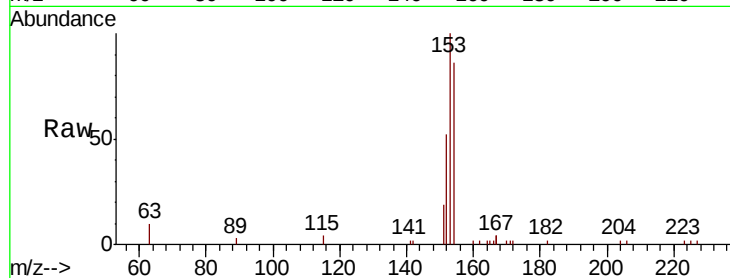
Tot Ion:154 Resp: 3615

Ion Ratio Lower Upper

154 100

153 117.3 91.8 137.6

152 61.3 45.5 68.3

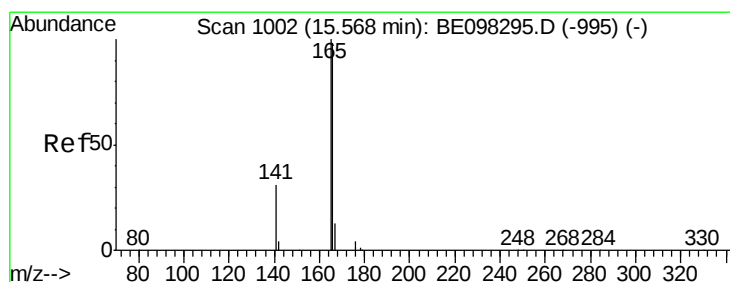
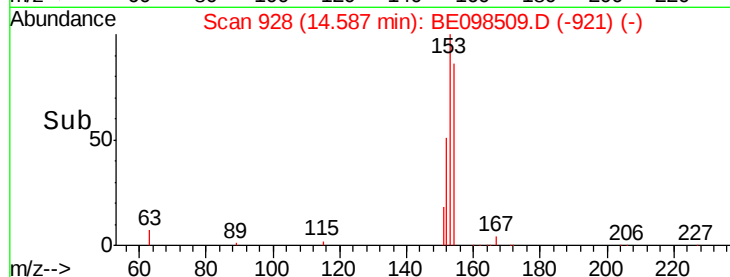
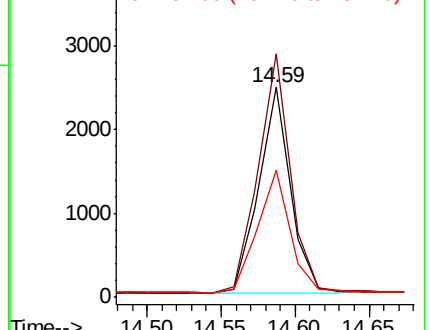


Abundance

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: 0.405 ng

RT: 15.57 min Scan# 1002

Delta R.T. -0.00 min

Lab File: BE098509.D

Acq: 18 Dec 2018 10:10

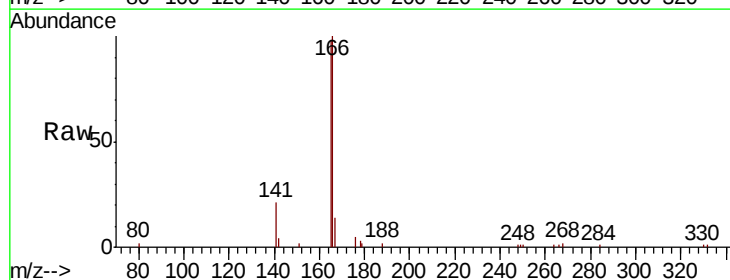
Tgt Ion:166 Resp: 4807

Ion Ratio Lower Upper

166 100

165 98.4 79.3 118.9

167 12.8 11.3 16.9

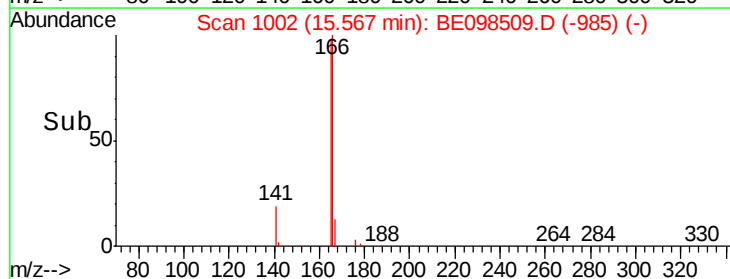
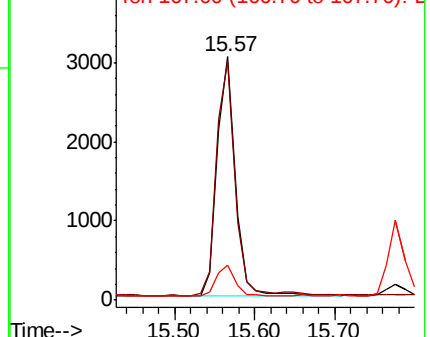


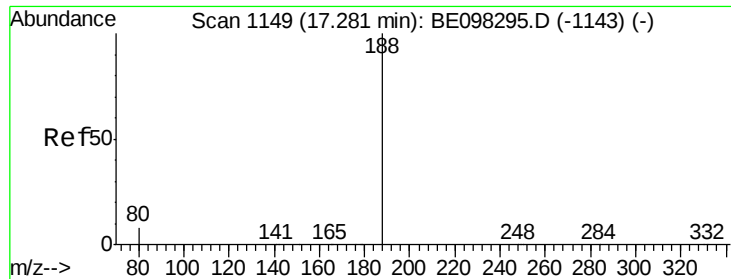
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.27 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BE098509.D

Acq: 18 Dec 2018 10:10

Instrument :

BNA_F

ClientSampleId :

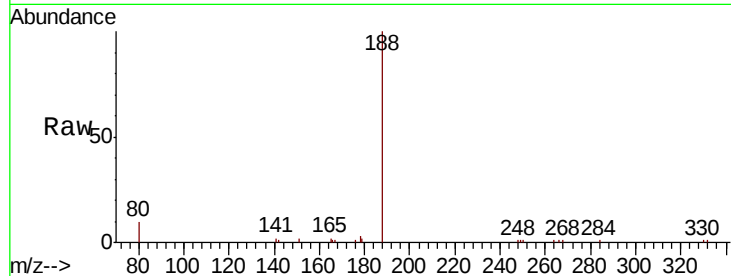
Tot Ion:188 Resp: 7355

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

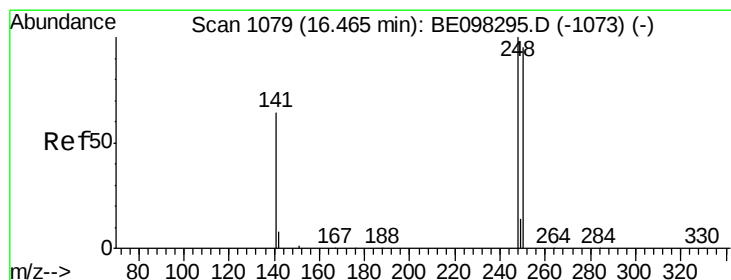
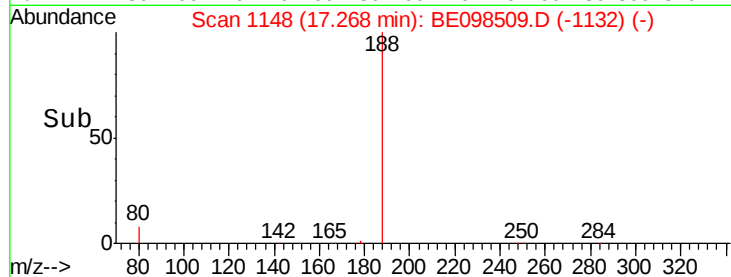
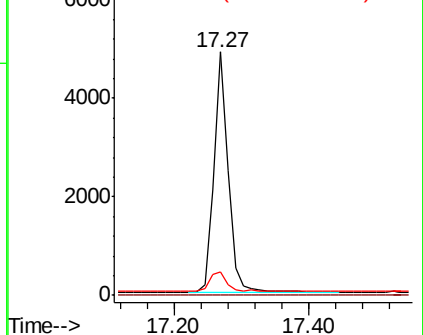
80 9.8 7.2 10.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.456 ng

RT: 16.46 min Scan# 1079

Delta R.T. -0.00 min

Lab File: BE098509.D

Acq: 18 Dec 2018 10:10

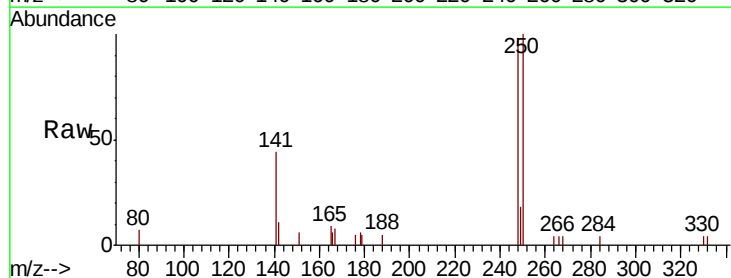
Tgt Ion:248 Resp: 1805

Ion Ratio Lower Upper

248 100

250 102.4 71.0 106.6

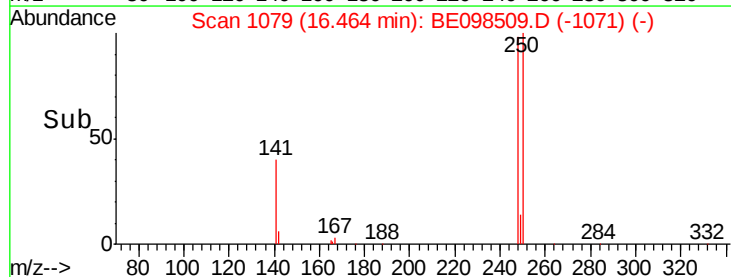
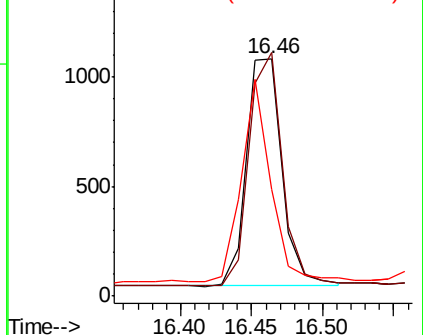
141 44.6 62.1 93.1#

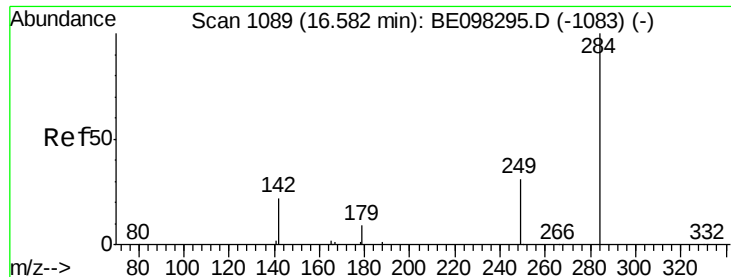


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.419 ng

RT: 16.58 min Scan# 1089

Delta R.T. -0.00 min

Lab File: BE098509.D

Acq: 18 Dec 2018 10:10

Instrument :

BNA_F

ClientSampled :

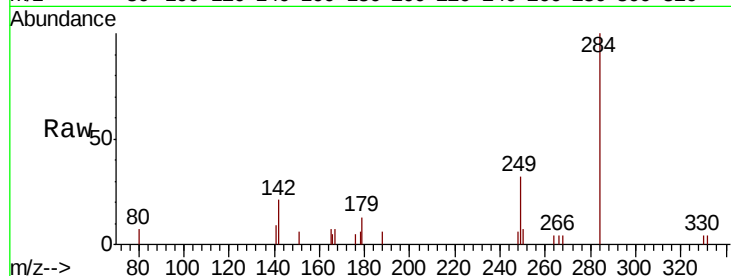
Tot Ion:284 Resp: 1782

Ion Ratio Lower Upper

284 100

142 38.7 26.3 39.5

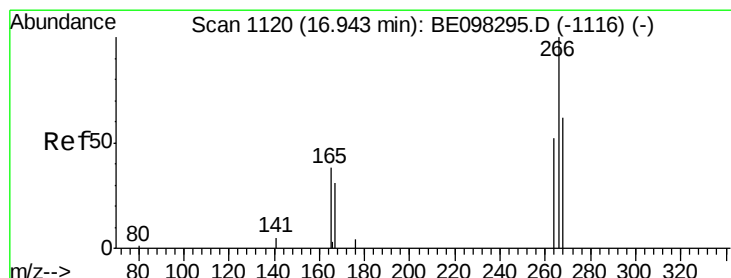
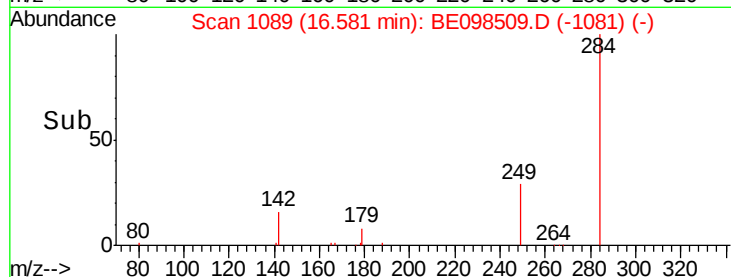
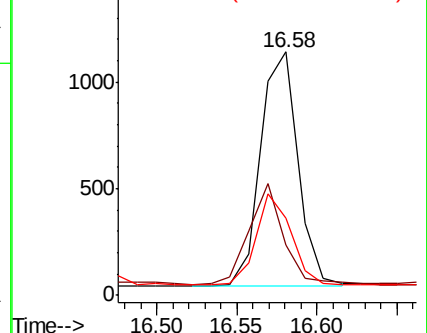
249 36.4 26.0 39.0



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: 0.837 ng

RT: 16.93 min Scan# 1119

Delta R.T. -0.01 min

Lab File: BE098509.D

Acq: 18 Dec 2018 10:10

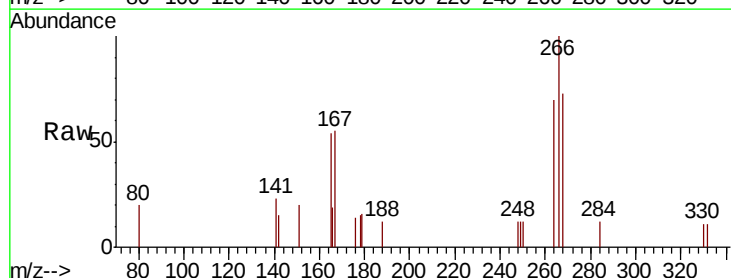
Tgt Ion:266 Resp: 659

Ion Ratio Lower Upper

266 100

264 69.9 59.0 88.4

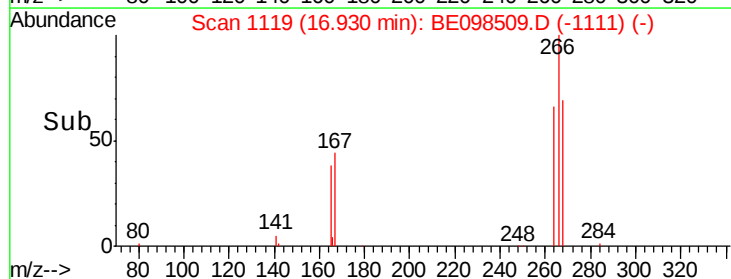
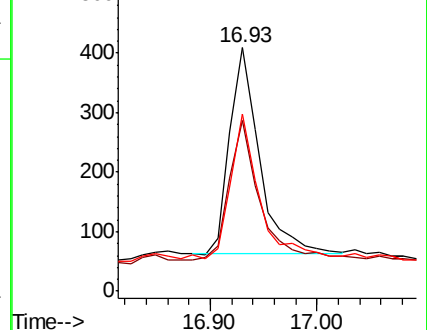
268 72.6 55.1 82.7

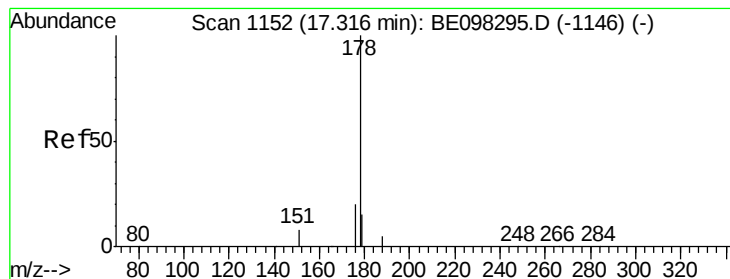


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.446 ng

RT: 17.31 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BE098509.D

Acq: 18 Dec 2018 10:10

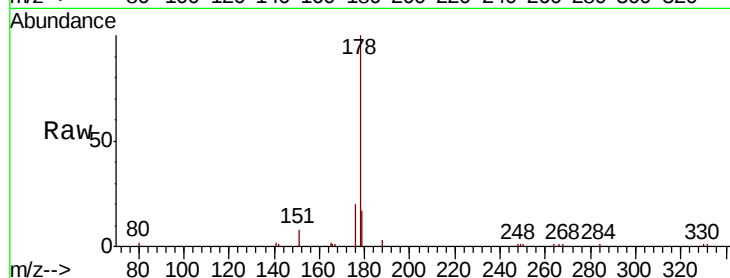
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 7977

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.9	23.9
179	15.2	12.3	18.5

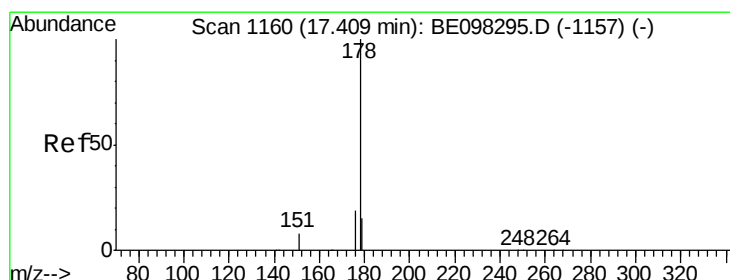
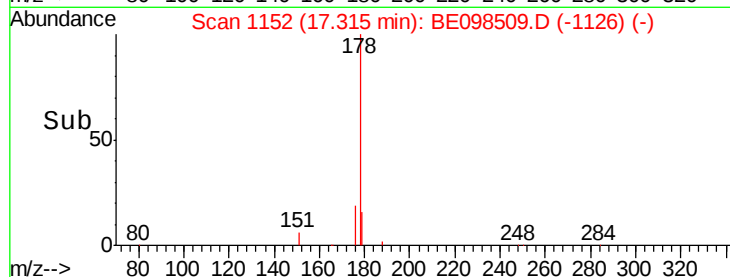
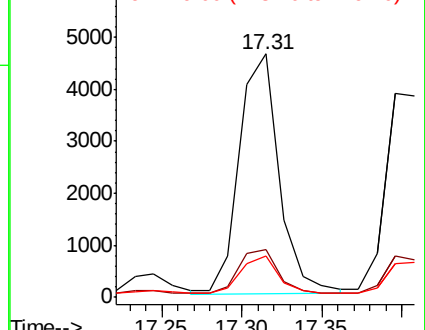


Abundance

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: 0.435 ng

RT: 17.40 min Scan# 1159

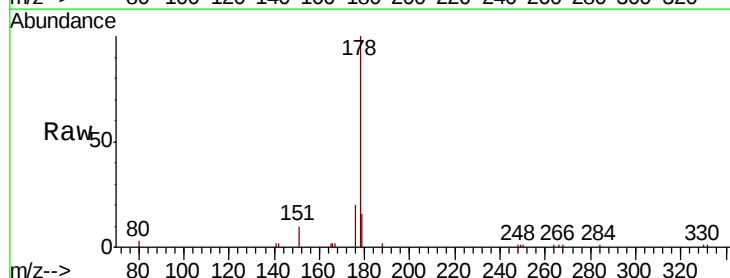
Delta R.T. -0.01 min

Lab File: BE098509.D

Acq: 18 Dec 2018 10:10

Tgt Ion:178 Resp: 6935

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	15.6	12.3	18.5

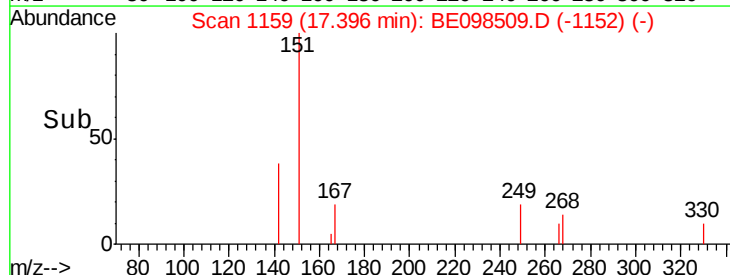
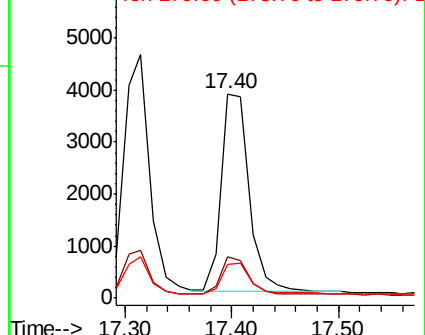


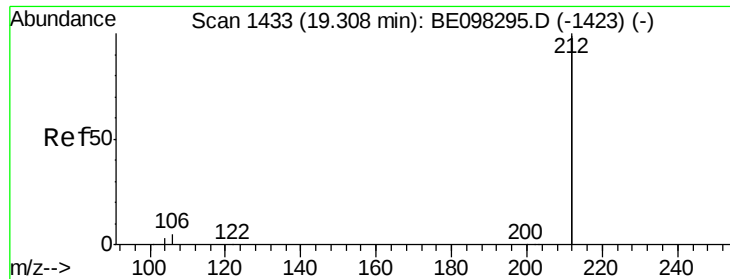
Abundance

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: 0.410 ng

RT: 19.30 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BE098509.D

Acq: 18 Dec 2018 10:10

Instrument :

BNA_F

ClientSampleId :

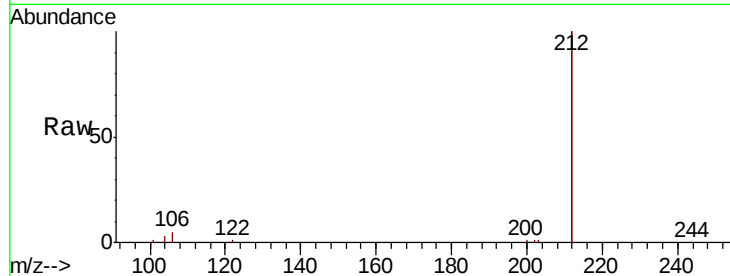
Tot Ion:212 Resp: 38681

Ion Ratio Lower Upper

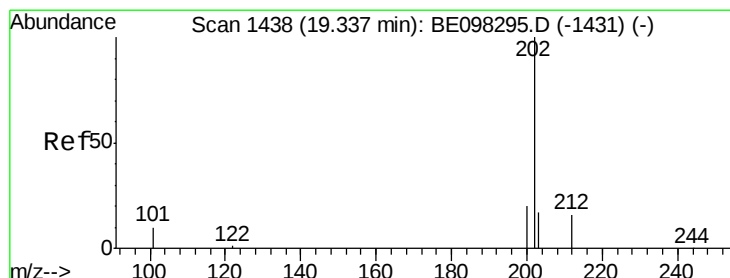
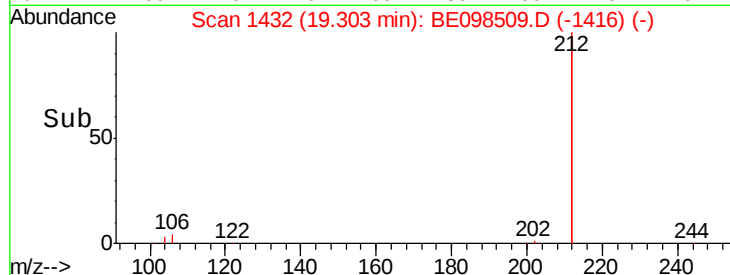
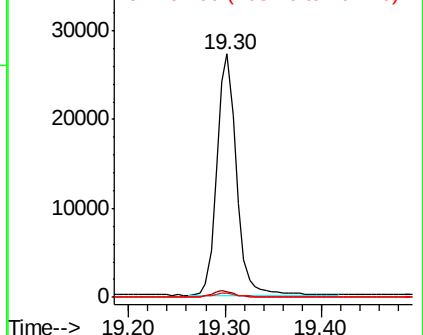
212 100

106 2.5 2.2 3.2

104 1.5 1.3 1.9



Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.419 ng

RT: 19.33 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BE098509.D

Acq: 18 Dec 2018 10:10

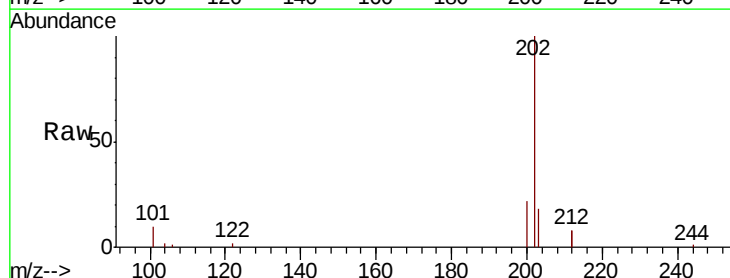
Tgt Ion:202 Resp: 9918

Ion Ratio Lower Upper

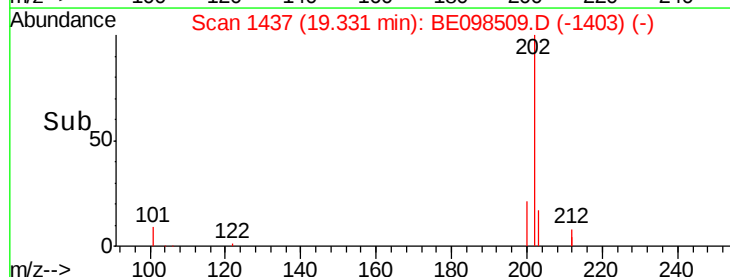
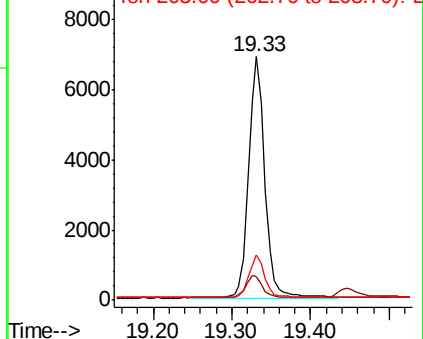
202 100

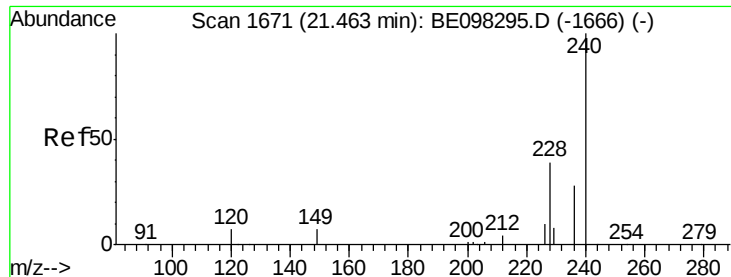
101 9.2 8.0 12.0

203 16.3 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

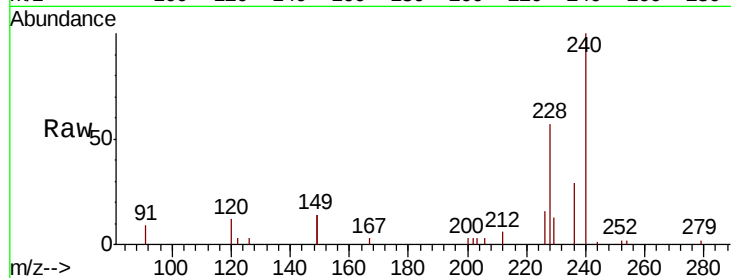




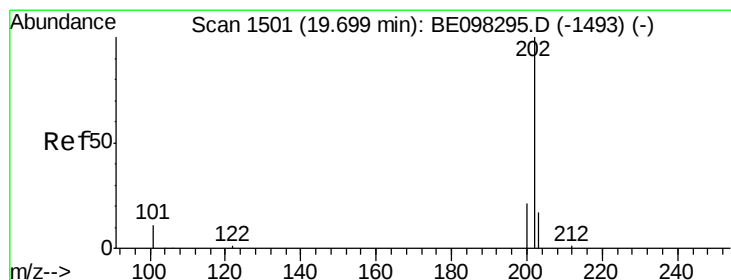
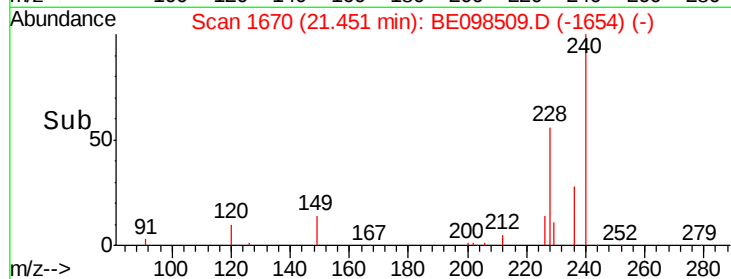
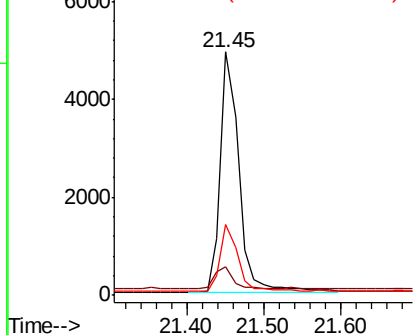
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.45 min Scan# 1670
 Delta R.T. -0.01 min
 Lab File: BE098509.D
 Acq: 18 Dec 2018 10:10

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:240 Resp: 8229
 Ion Ratio Lower Upper
 240 100
 120 11.8 9.5 14.3
 236 29.1 22.7 34.1

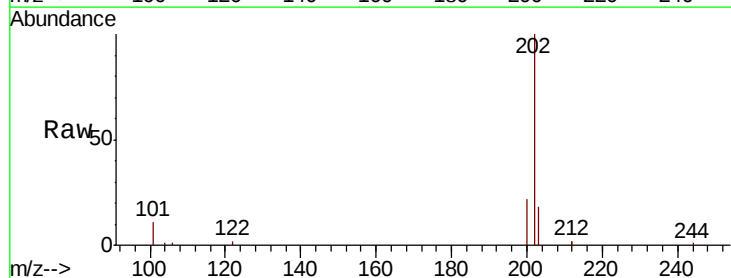


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

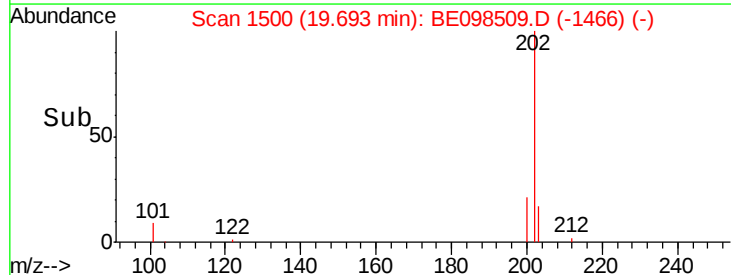
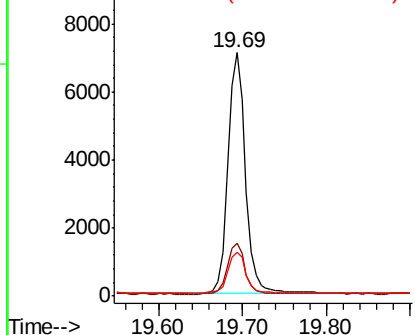


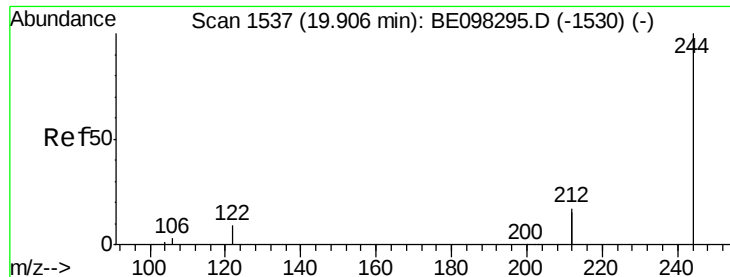
#28
 Pyrene
 Concen: 0.399 ng
 RT: 19.69 min Scan# 1500
 Delta R.T. -0.01 min
 Lab File: BE098509.D
 Acq: 18 Dec 2018 10:10

Tgt Ion:202 Resp: 10306
 Ion Ratio Lower Upper
 202 100
 200 20.7 16.7 25.1
 203 17.7 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: 0.385 ng

RT: 19.90 min Scan# 1536

Delta R.T. -0.01 min

Lab File: BE098509.D

Acq: 18 Dec 2018 10:10

Instrument :

BNA_F

ClientSampleId :

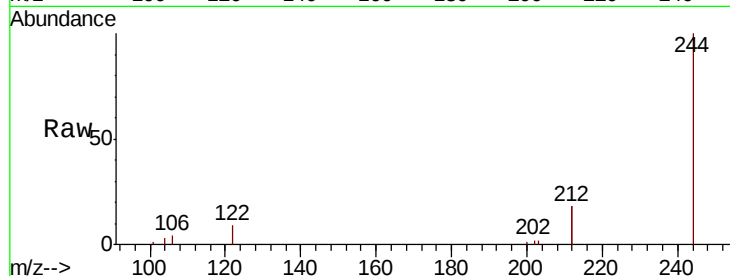
Tot Ion:244 Resp: 7700

Ion Ratio Lower Upper

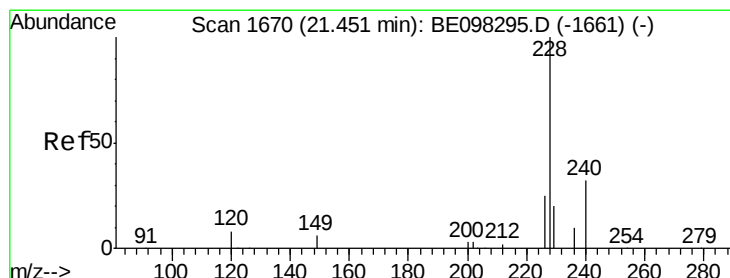
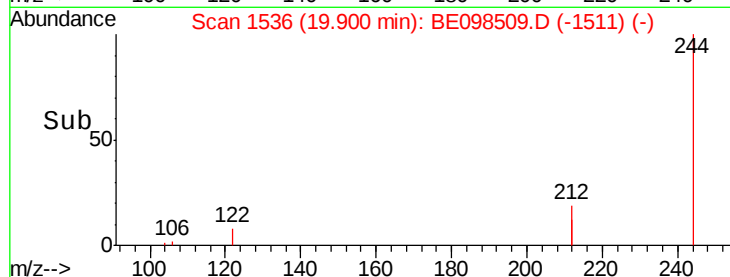
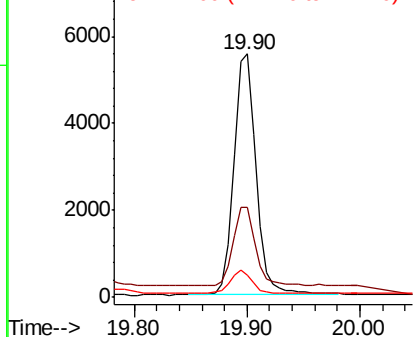
244 100

212 36.9 27.4 41.0

122 9.3 8.3 12.5



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.424 ng

RT: 21.44 min Scan# 1669

Delta R.T. -0.01 min

Lab File: BE098509.D

Acq: 18 Dec 2018 10:10

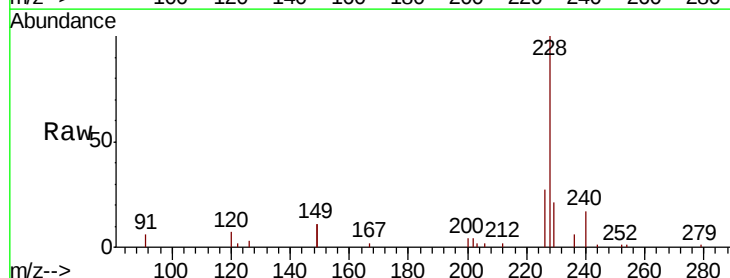
Tgt Ion:228 Resp: 9941

Ion Ratio Lower Upper

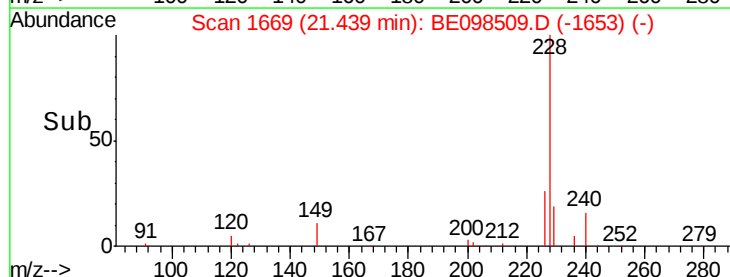
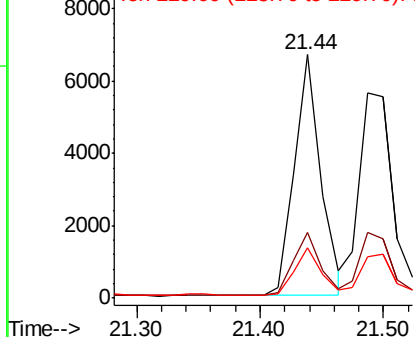
228 100

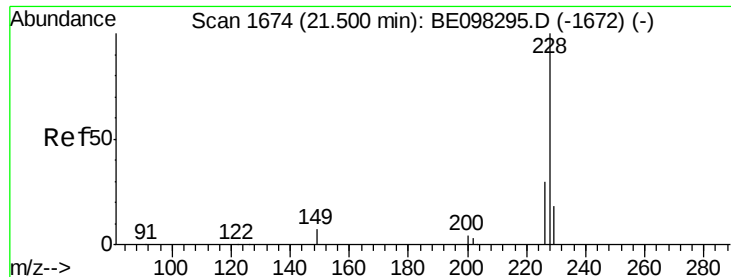
226 26.9 21.8 32.8

229 20.6 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: 0.416 ng

RT: 21.49 min Scan# 1673

Delta R.T. -0.01 min

Lab File: BE098509.D

Acq: 18 Dec 2018 10:10

Instrument :

BNA_F

ClientSampleId :

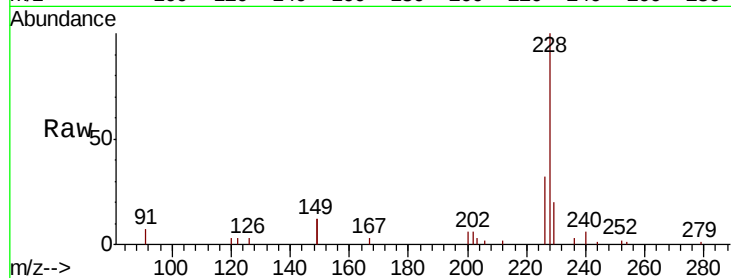
Tot Ion:228 Resp: 10221

Ion Ratio Lower Upper

228 100

226 32.1 23.4 35.0

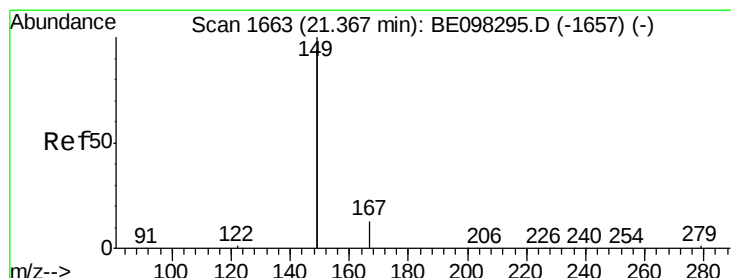
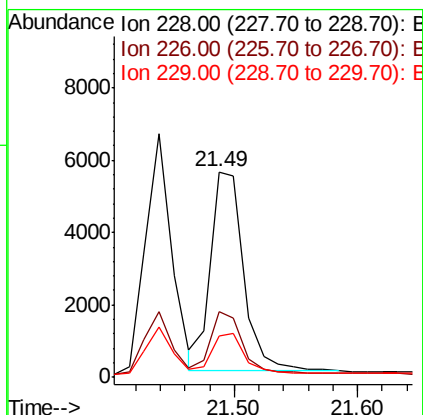
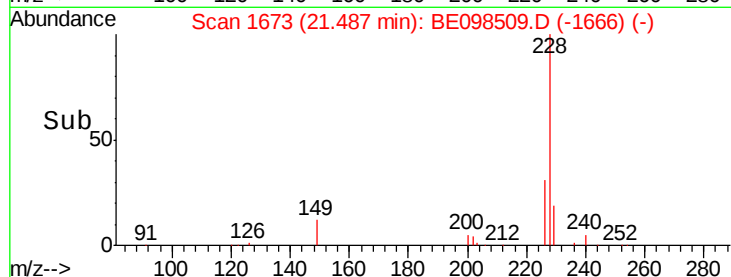
229 20.1 16.2 24.4



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: 6.979 ng

RT: 21.35 min Scan# 1662

Delta R.T. -0.01 min

Lab File: BE098509.D

Acq: 18 Dec 2018 10:10

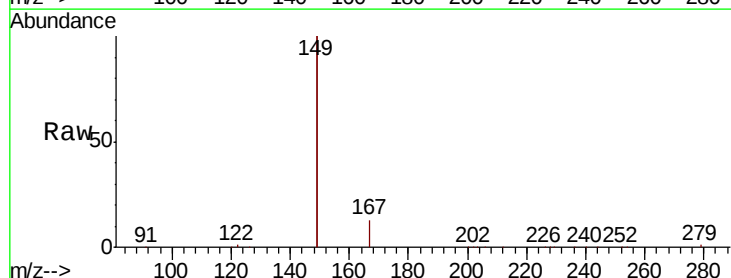
Tgt Ion:149 Resp: 332162

Ion Ratio Lower Upper

149 100

167 6.8 5.7 8.5

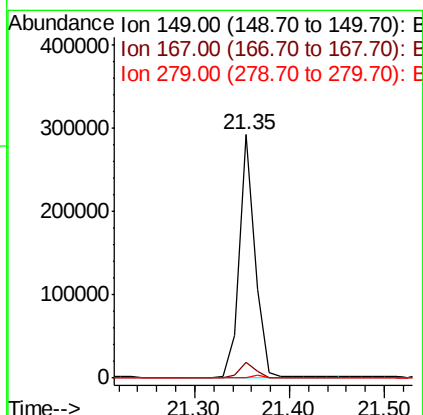
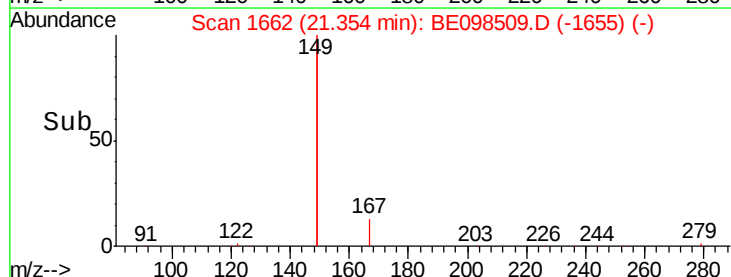
279 1.0 1.0 1.4

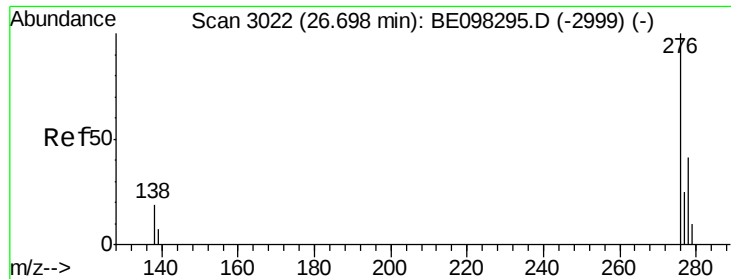


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

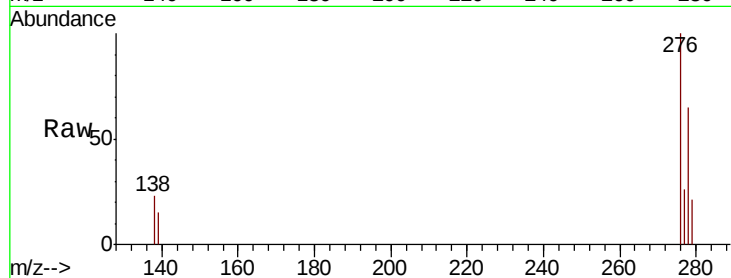




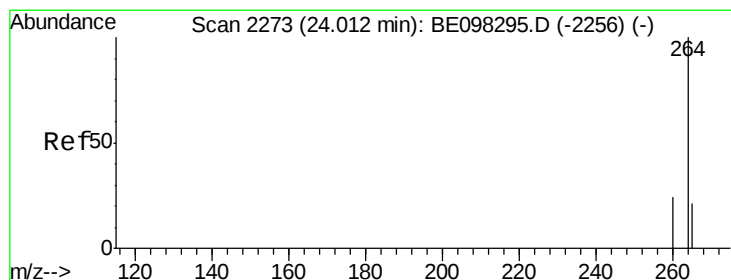
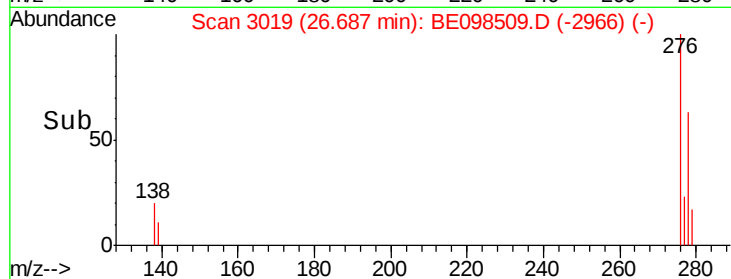
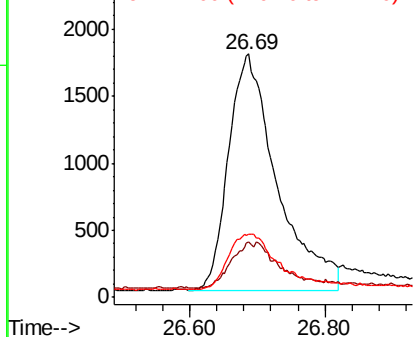
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.360 ng
RT: 26.69 min Scan# 3019
Delta R.T. -0.01 min
Lab File: BE098509.D
Acq: 18 Dec 2018 10:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:276 Resp: 8781
Ion Ratio Lower Upper
276 100
138 9.3 16.3 24.5#
277 22.5 20.2 30.4

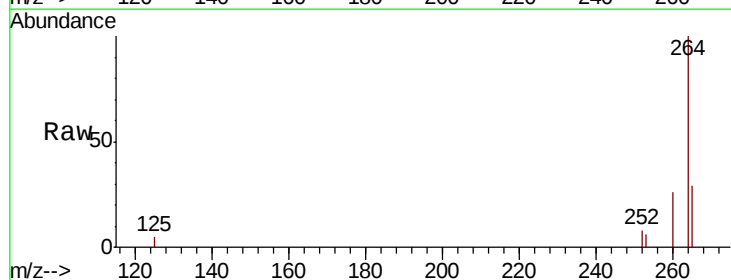


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

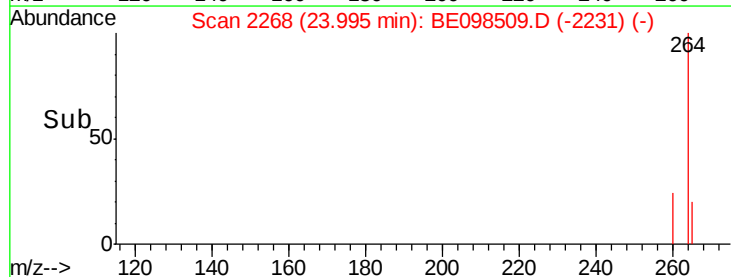
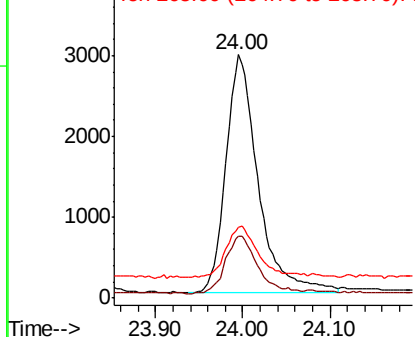


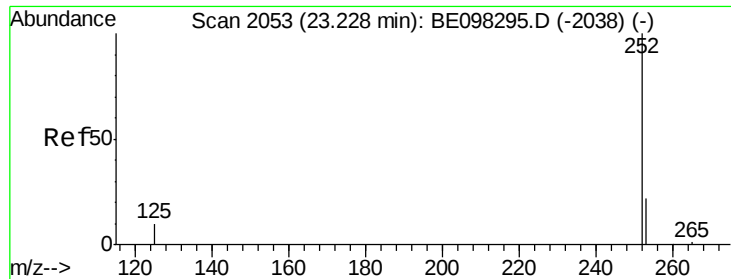
#34
Perylene-d12
Concen: 0.400 ng
RT: 24.00 min Scan# 2268
Delta R.T. -0.02 min
Lab File: BE098509.D
Acq: 18 Dec 2018 10:10

Tgt Ion:264 Resp: 7580
Ion Ratio Lower Upper
264 100
260 25.6 20.2 30.2
265 28.9 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: 0.479 ng

RT: 23.22 min Scan# 2050

Delta R.T. -0.01 min

Lab File: BE098509.D

Acq: 18 Dec 2018 10:10

Instrument :

BNA_F

ClientSampleId :

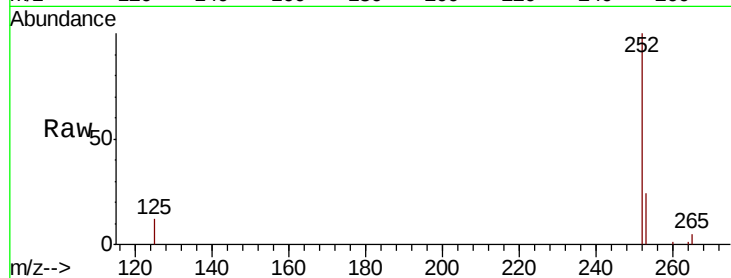
Tot Ion:252 Resp: 9926

Ion Ratio Lower Upper

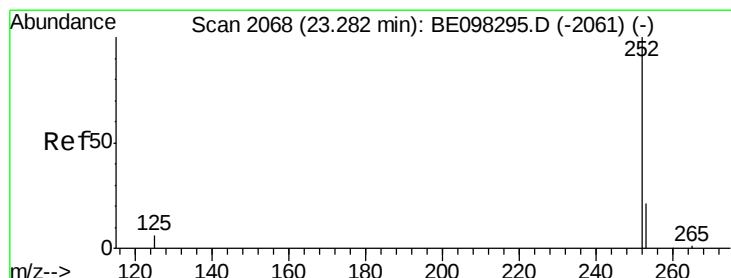
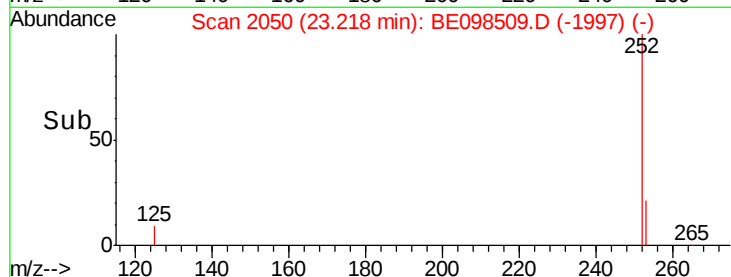
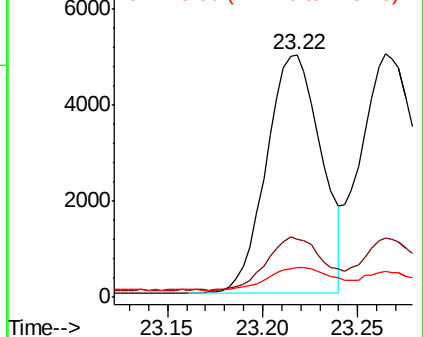
252 100

253 23.9 20.0 30.0

125 12.1 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: 0.441 ng

RT: 23.26 min Scan# 2063

Delta R.T. -0.02 min

Lab File: BE098509.D

Acq: 18 Dec 2018 10:10

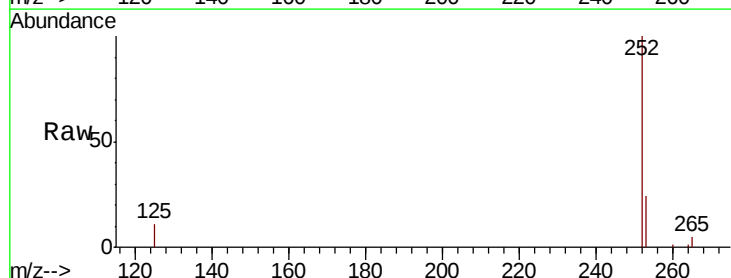
Tgt Ion:252 Resp: 10657

Ion Ratio Lower Upper

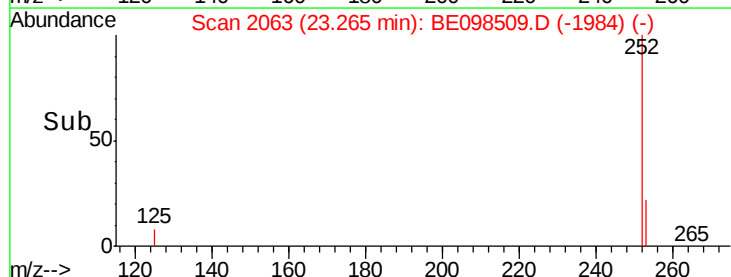
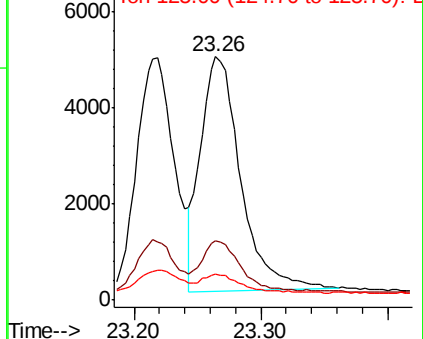
252 100

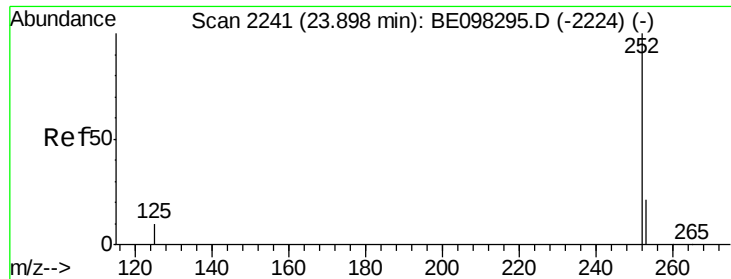
253 24.3 19.0 28.6

125 10.8 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: 0.422 ng

RT: 23.88 min Scan# 2237

Delta R.T. -0.01 min

Lab File: BE098509.D

Acq: 18 Dec 2018 10:10

Instrument :

BNA_F

ClientSampleId :

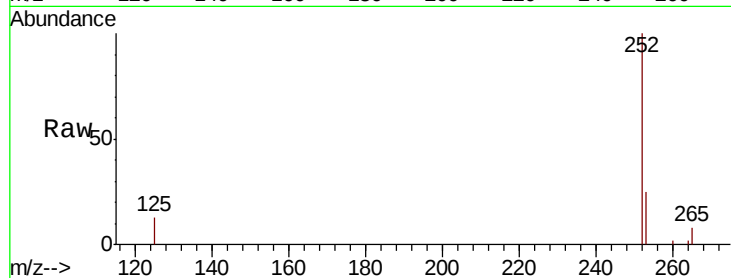
Tot Ion:252 Resp: 9034

Ion Ratio Lower Upper

252 100

253 24.8 20.6 30.8

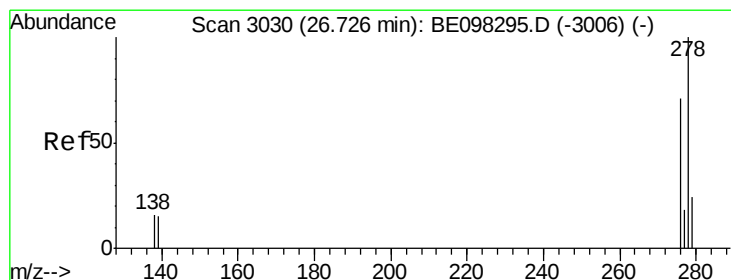
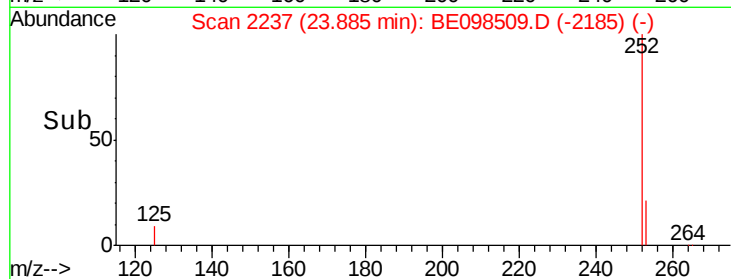
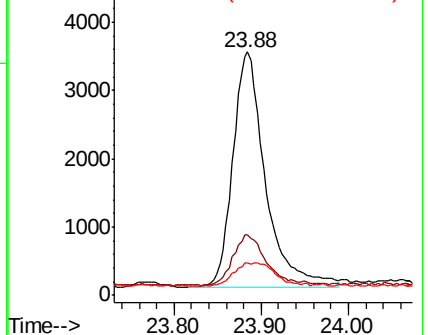
125 13.1 10.5 15.7



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: 0.360 ng

RT: 26.71 min Scan# 3024

Delta R.T. -0.02 min

Lab File: BE098509.D

Acq: 18 Dec 2018 10:10

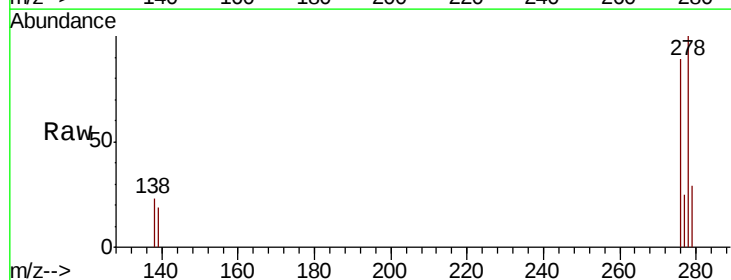
Tgt Ion:278 Resp: 7245

Ion Ratio Lower Upper

278 100

139 19.2 14.5 21.7

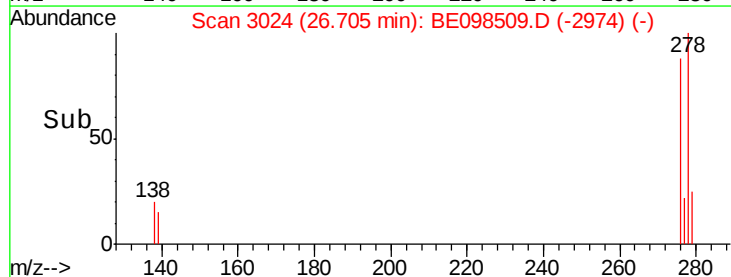
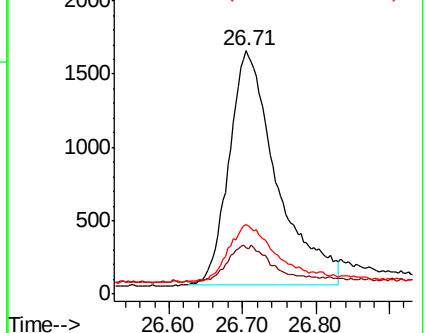
279 28.8 21.8 32.8

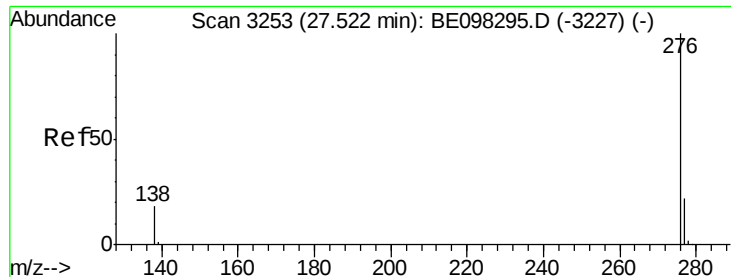


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.343 ng

RT: 27.51 min Scan# 3249

Delta R.T. -0.01 min

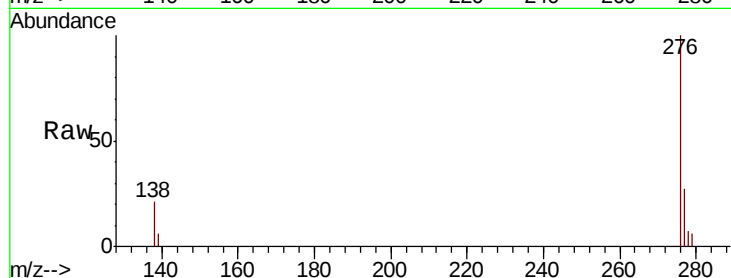
Lab File: BE098509.D

Acq: 18 Dec 2018 10:10

Instrument :

BNA_F

ClientSampleId :



Tot Ion: 276 Resp: 6957

Ion Ratio Lower Upper

276 100

277 27.2 20.8 31.2

138 20.7 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

