

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121918\
 Data File : BE098526.D
 Acq On : 19 Dec 2018 12:49
 Operator : SJ/JU
 Sample : J6405-06MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Dec 19 16:17:54 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	7.85	152	837	0.40	ng	-0.01
7) Naphthalene-d8	10.65	136	4020	0.40	ng	-0.01
13) Acenaphthene-d10	14.51	164	2926	0.40	ng	-0.02
19) Phenanthrene-d10	17.26	188	6984	0.40	ng	-0.02
27) Chrysene-d12	21.45	240	8235	0.40	ng	-0.01
34) Perylene-d12	23.99	264	7641	0.40	ng	-0.03

System Monitoring Compounds						
4) 2-Fluorophenol	5.45	112	438	0.22	ng	0.00
5) Phenol-d6	7.05	99	361	0.13	ng	0.00
8) Nitrobenzene-d5	9.02	82	1279	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	12.25	152	3585	0.55	ng	-0.02
14) 2,4,6-Tribromophenol	16.01	330	440	0.41	ng	-0.01
15) 2-Fluorobiphenyl	13.13	172	4959	0.40	ng	-0.02
25) Fluoranthene-d10	19.29	212	38615	0.43	ng	-0.02
29) Terphenyl-d14	19.89	244	8504	0.42	ng	-0.02

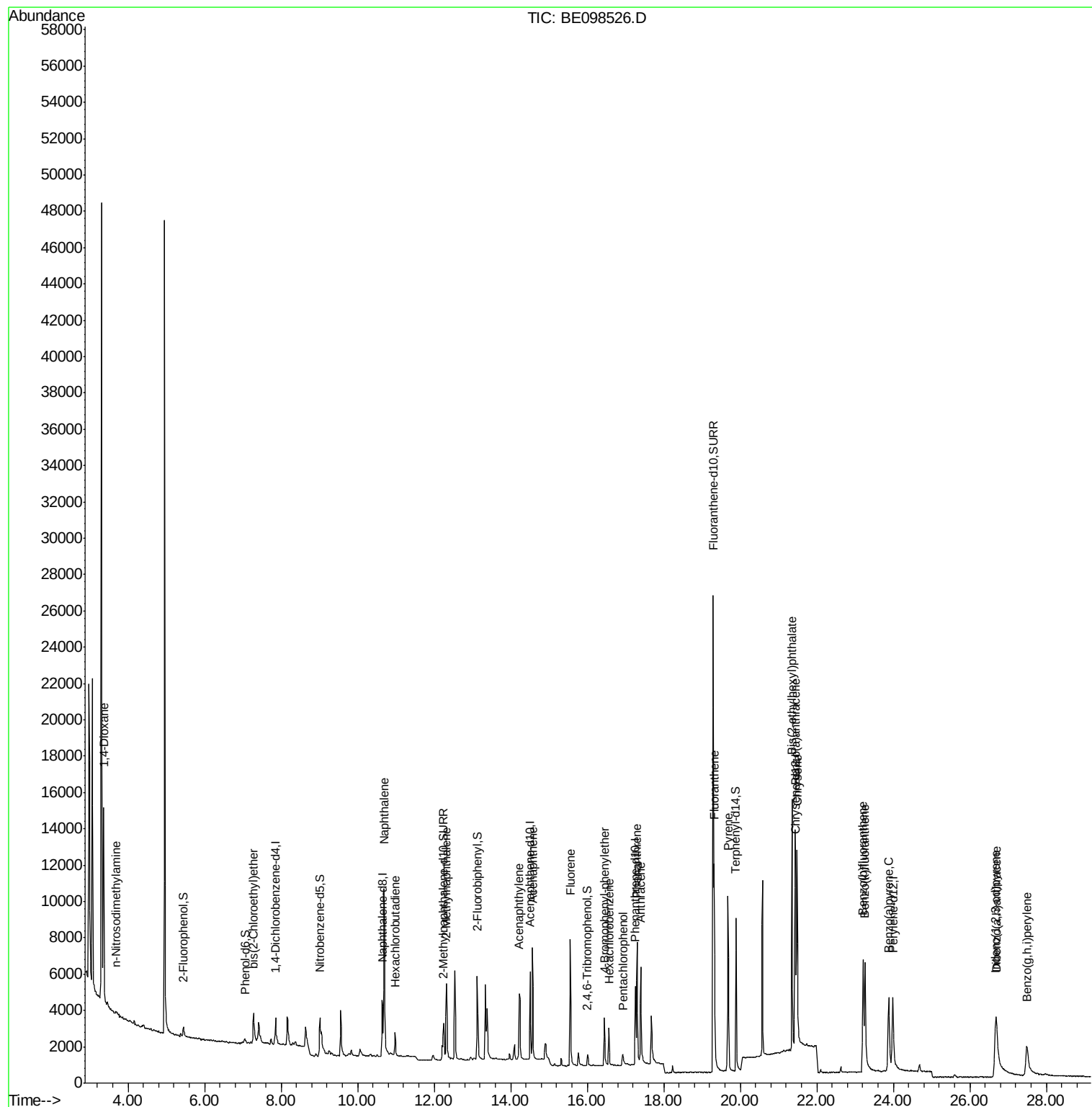
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.36	88	6621	4.574	ng	96
3) n-Nitrosodimethylamine	3.70	42	196	0.150	ng	# 100
6) bis(2-Chloroethyl)ether	7.28	93	905	0.343	ng	# 93
9) Naphthalene	10.69	128	17815	0.440	ng	99
10) Hexachlorobutadiene	10.98	225	960	0.373	ng	97
12) 2-Methylnaphthalene	12.32	142	3224	0.490	ng	95
16) Acenaphthylene	14.23	152	5245	0.383	ng	99
17) Acenaphthene	14.57	154	3311	0.402	ng	100
18) Fluorene	15.56	166	4690	0.426	ng	100
20) 4-Bromophenyl-phenylether	16.45	248	1515	0.403	ng	# 85
21) Hexachlorobenzene	16.57	284	1748	0.433	ng	98
22) Pentachlorophenol	16.93	266	544	0.747	ng	95
23) Phenanthrene	17.30	178	7743	0.456	ng	100
24) Anthracene	17.40	178	6535	0.432	ng	100
26) Fluoranthene	19.32	202	9977	0.444	ng	99
28) Pyrene	19.68	202	10026	0.388	ng	99
30) Benzo(a)anthracene	21.44	228	10034	0.428	ng	99
31) Chrysene	21.49	228	10381	0.423	ng	98
32) Bis(2-ethylhexyl)phthalate	21.35	149	15465	0.325	ng	99
33) Indeno(1,2,3-cd)pyrene	26.67	276	7461	0.305	ng	93
35) Benzo(b)fluoranthene	23.21	252	9034	0.432	ng	97
36) Benzo(k)fluoranthene	23.26	252	11311	0.465	ng	99
37) Benzo(a)pyrene	23.87	252	9418	0.437	ng	98
38) Dibenzo(a,h)anthracene	26.69	278	6334	0.312	ng	97
39) Benzo(g,h,i)perylene	27.49	276	5398	0.264	ng	100

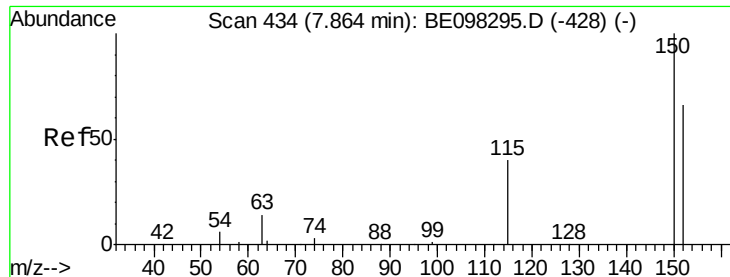
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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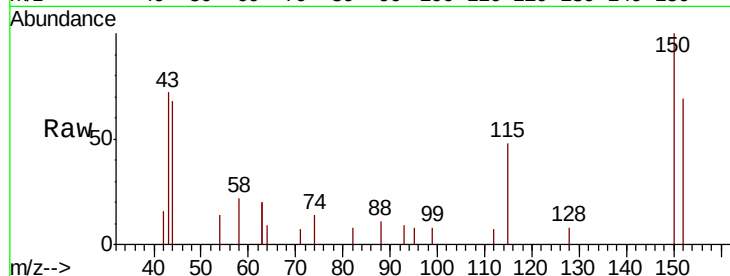


#1

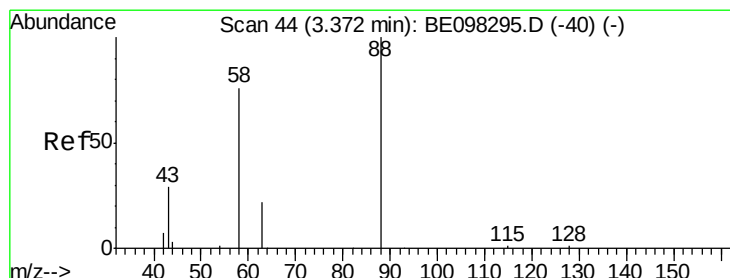
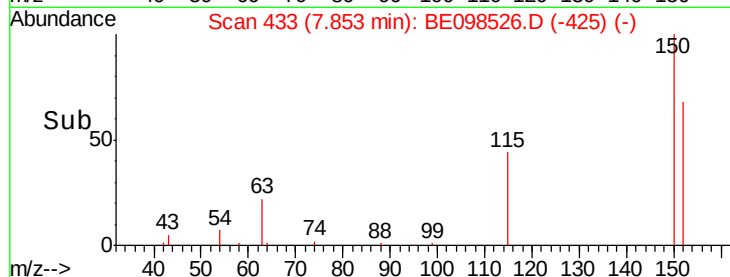
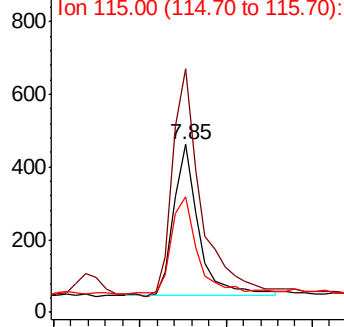
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.85 min Scan# 433
Delta R.T. -0.01 min
Lab File: BE098526.D
Acq: 19 Dec 2018 12:49

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 837
Ion Ratio Lower Upper
152 100
150 145.3 124.2 186.4
115 69.2 53.9 80.9



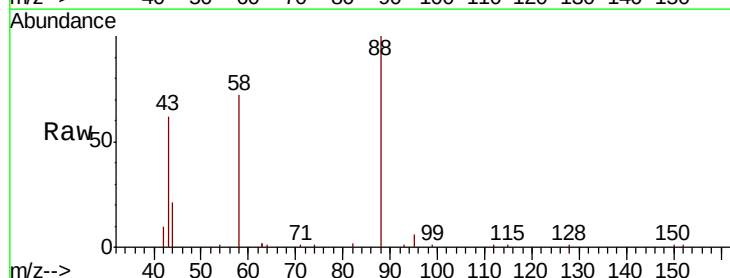
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



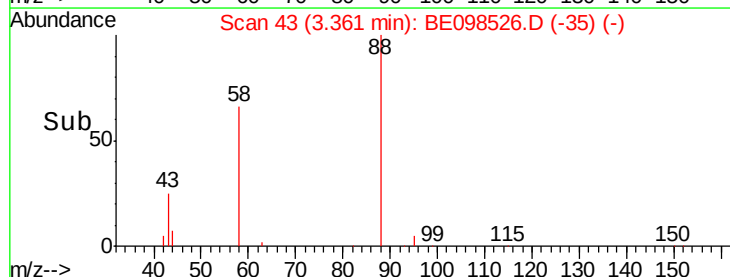
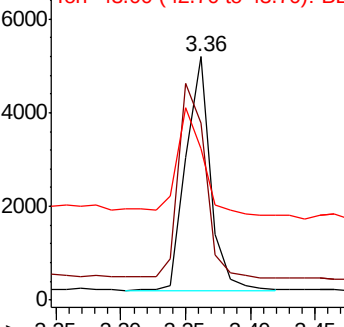
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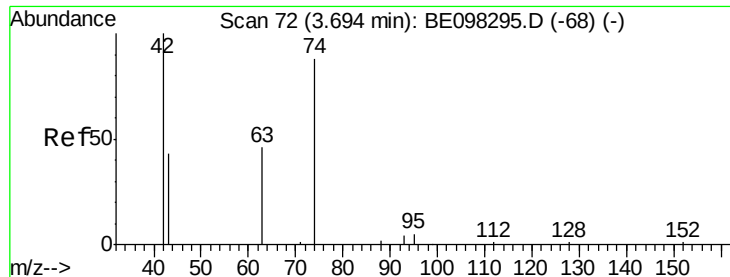
1,4-Dioxane
Concen: 4.574 ng
RT: 3.36 min Scan# 43
Delta R.T. -0.01 min
Lab File: BE098526.D
Acq: 19 Dec 2018 12:49

Tgt Ion: 88 Resp: 6621
Ion Ratio Lower Upper
88 100
58 88.7 75.0 112.6
43 48.9 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



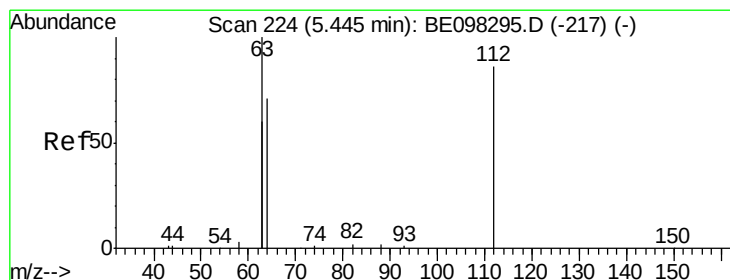
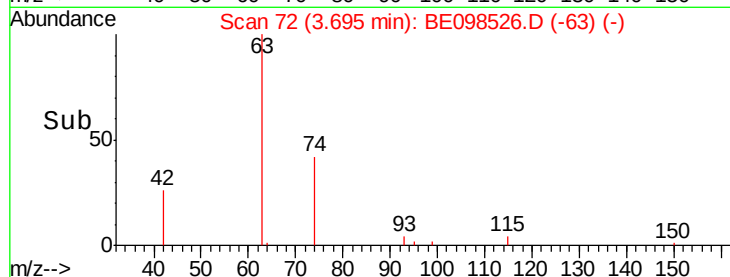
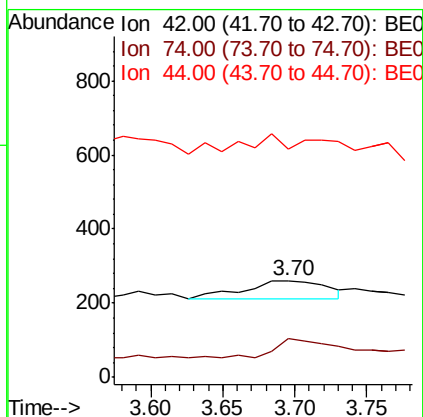
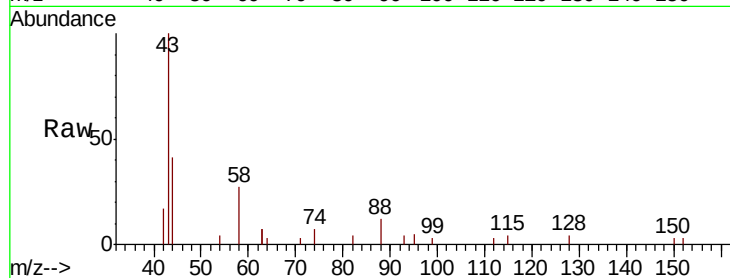


#3

n-Nitrosodimethylamine
 Concen: 0.150 ng
 RT: 3.70 min Scan# 72
 Delta R.T. 0.00 min
 Lab File: BE098526.D
 Acq: 19 Dec 2018 12:49

Instrument :
 BNA_E
 ClientSampled :

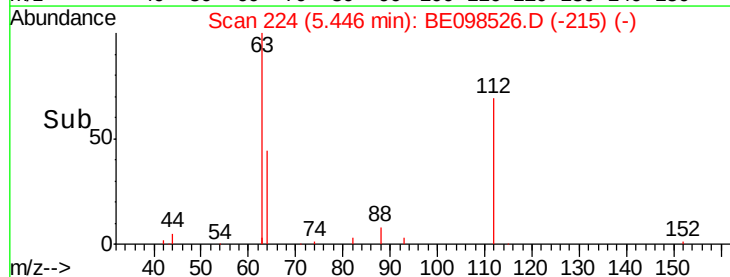
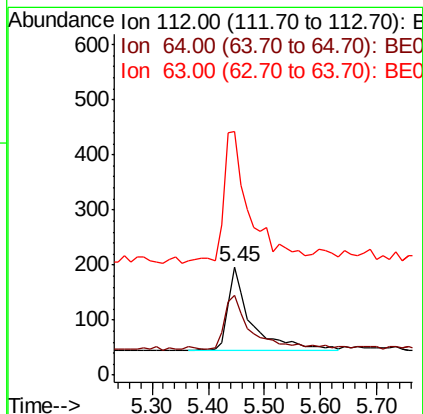
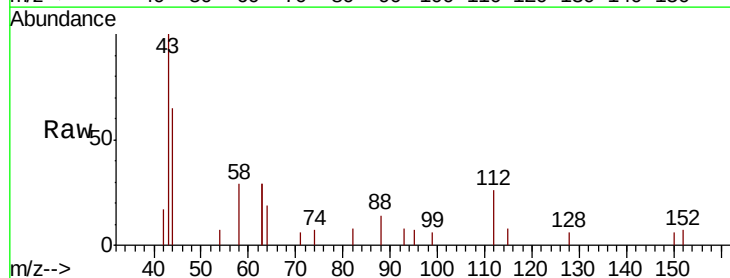
Tot Ion	Ratio	Lower	Upper
42	100		
74	74.5	0.0	0.0#
44	56.6	0.0	0.0#

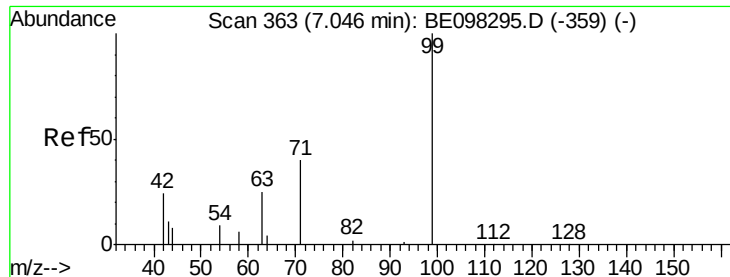


#4

2-Fluorophenol
 Concen: 0.224 ng
 RT: 5.45 min Scan# 224
 Delta R.T. 0.00 min
 Lab File: BE098526.D
 Acq: 19 Dec 2018 12:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	75.8	59.8	89.8
63	166.9	133.7	200.5





#5

Phenol-d6

Concen: 0.130 ng

RT: 7.05 min Scan# 363

Delta R.T. 0.00 min

Lab File: BE098526.D

Acq: 19 Dec 2018 12:49

Instrument :

BNA_E

ClientSampleId :

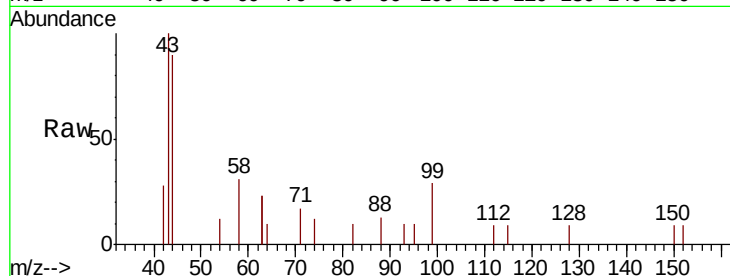
Tot Ion: 99 Resp: 361

Ion Ratio Lower Upper

99 100

42 21.6 26.3 39.5#

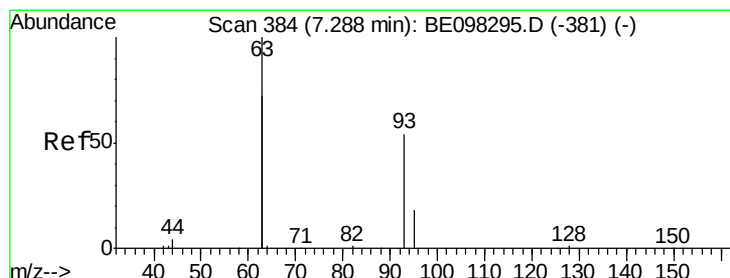
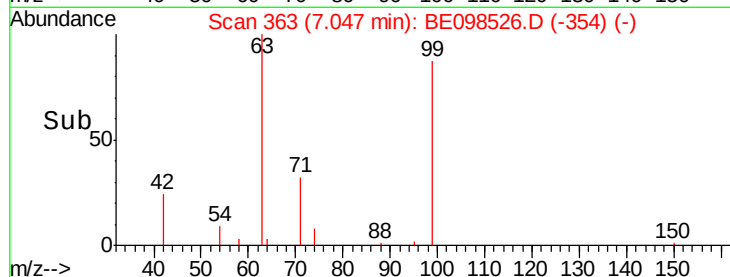
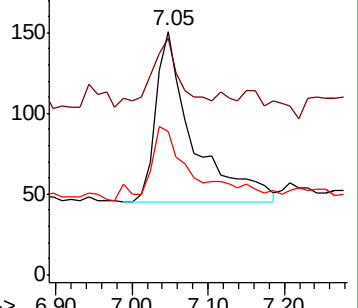
71 52.4 33.6 50.4#



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



#6

bis(2-Chloroethyl)ether

Concen: 0.343 ng

RT: 7.28 min Scan# 383

Delta R.T. -0.01 min

Lab File: BE098526.D

Acq: 19 Dec 2018 12:49

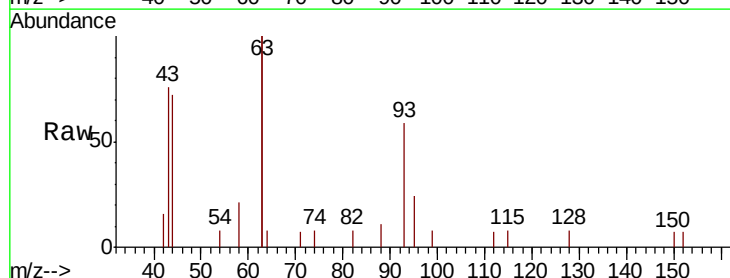
Tgt Ion: 93 Resp: 905

Ion Ratio Lower Upper

93 100

63 345.0 264.4 396.6

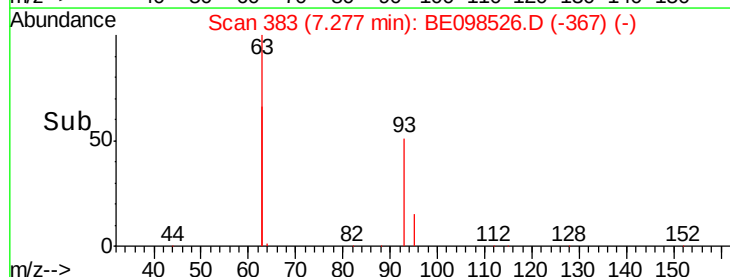
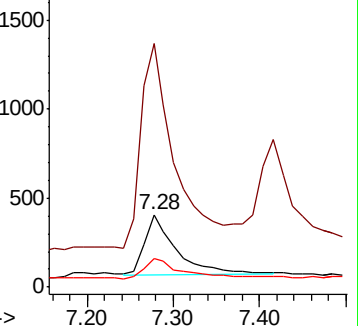
95 40.1 26.6 40.0#

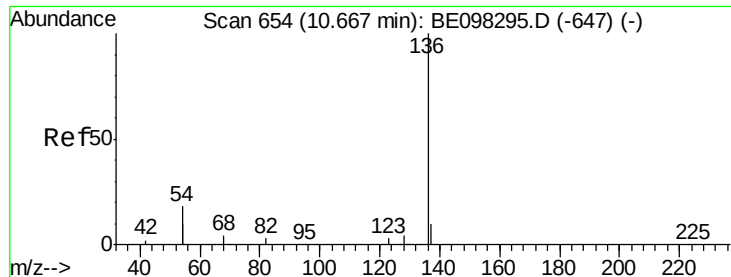


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE098526.D

Acq: 19 Dec 2018 12:49

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 4020

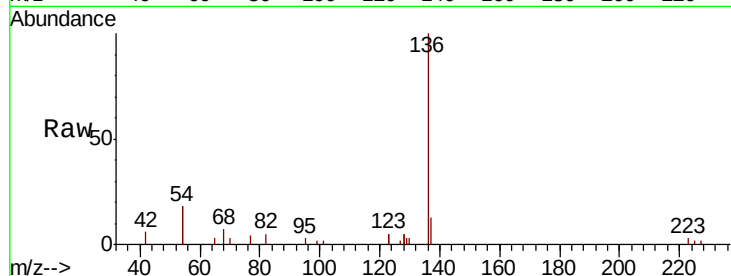
Ion Ratio Lower Upper

136 100

137 12.9 9.2 13.8

54 36.9 28.4 42.6

68 6.8 5.4 8.0

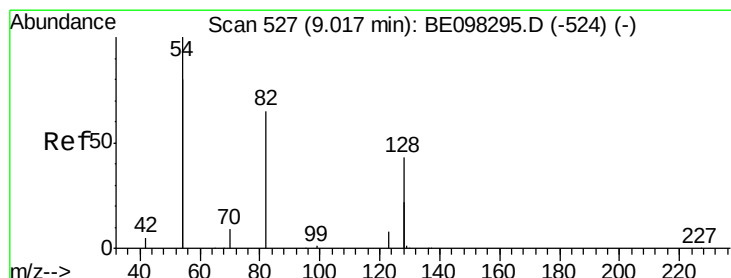
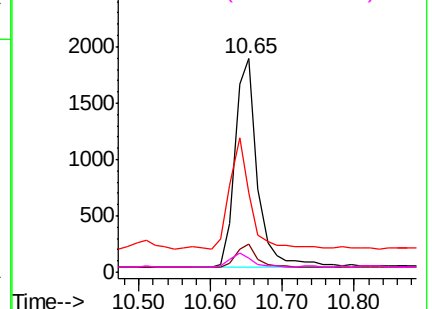
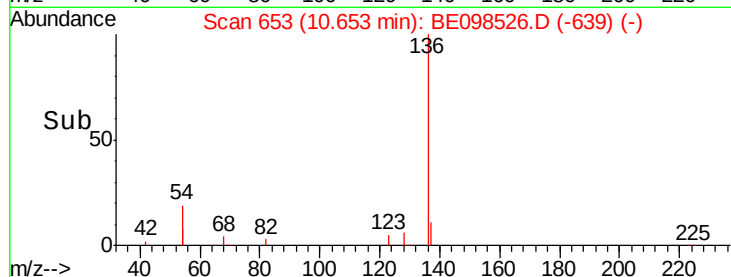


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.350 ng

RT: 9.02 min Scan# 527

Delta R.T. -0.00 min

Lab File: BE098526.D

Acq: 19 Dec 2018 12:49

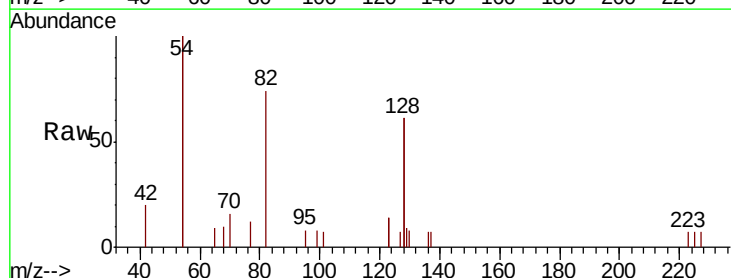
Tgt Ion: 82 Resp: 1279

Ion Ratio Lower Upper

82 100

128 164.2 102.4 153.6#

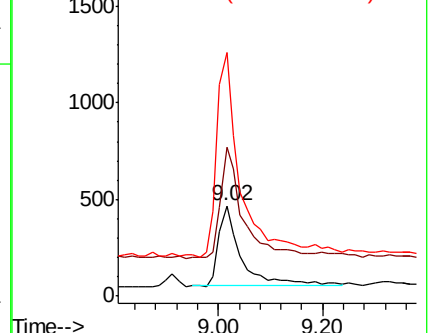
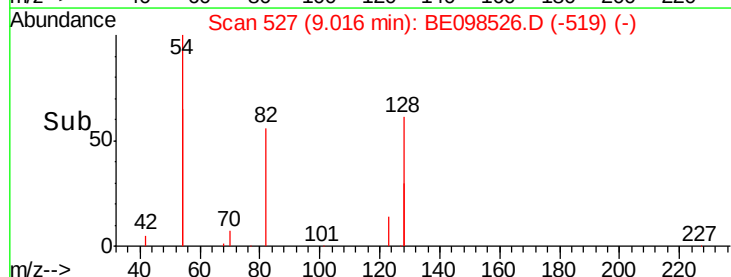
54 268.7 221.8 332.8

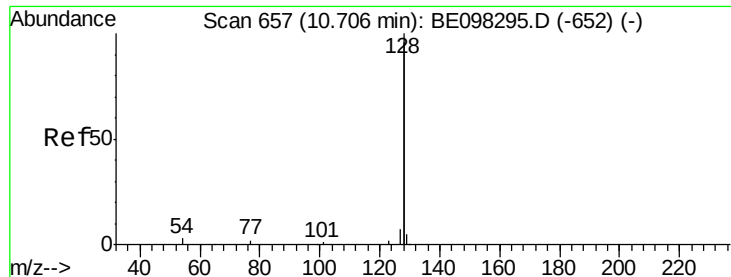


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.440 ng

RT: 10.69 min Scan# 656

Delta R.T. -0.01 min

Lab File: BE098526.D

Acq: 19 Dec 2018 12:49

Instrument :

BNA_E

ClientSampled :

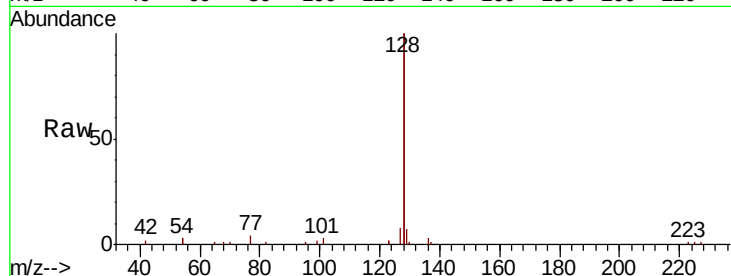
Tot Ion:128 Resp: 17815

Ion Ratio Lower Upper

128 100

129 3.3 2.5 3.7

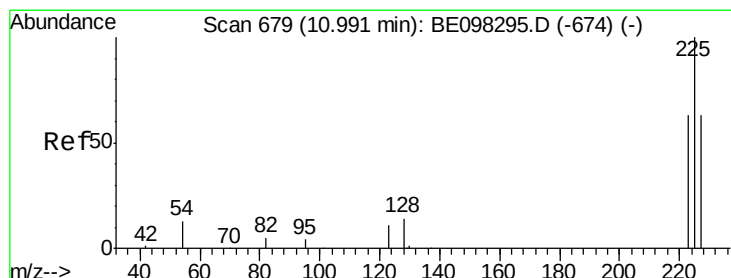
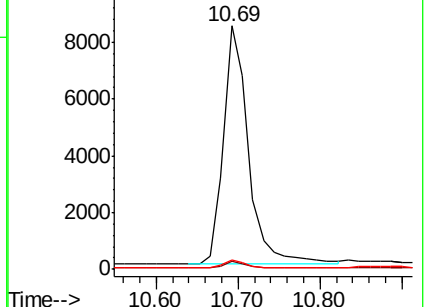
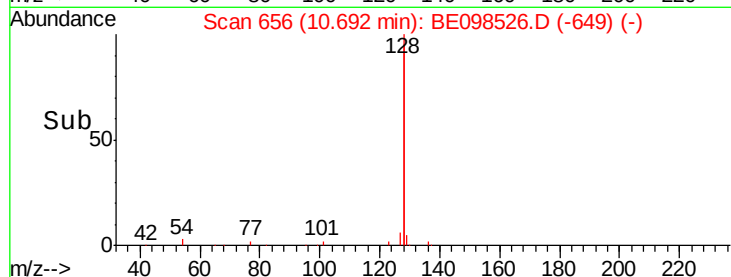
127 3.8 2.7 4.1



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: 0.373 ng

RT: 10.98 min Scan# 678

Delta R.T. -0.01 min

Lab File: BE098526.D

Acq: 19 Dec 2018 12:49

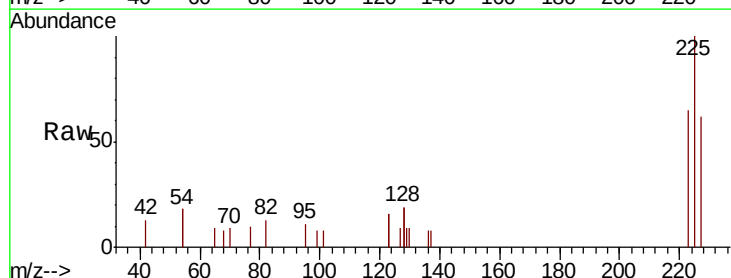
Tgt Ion:225 Resp: 960

Ion Ratio Lower Upper

225 100

223 64.2 49.4 74.0

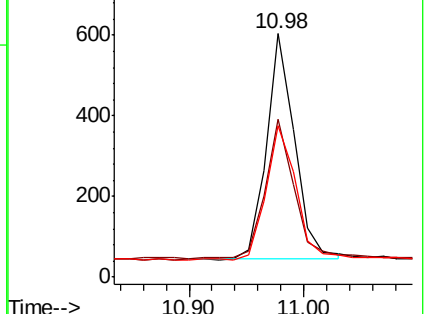
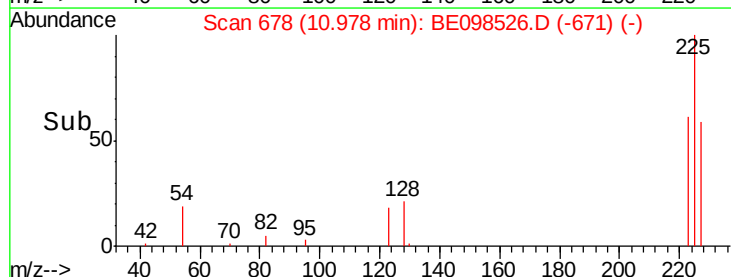
227 63.2 52.0 78.0

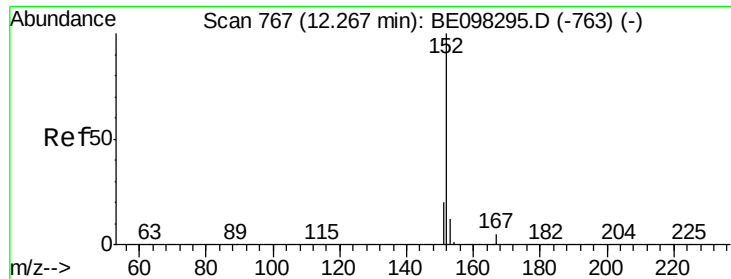


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

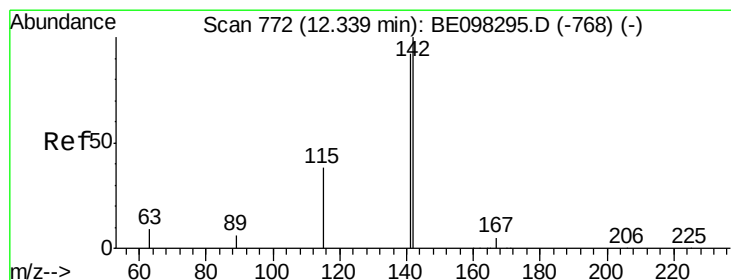
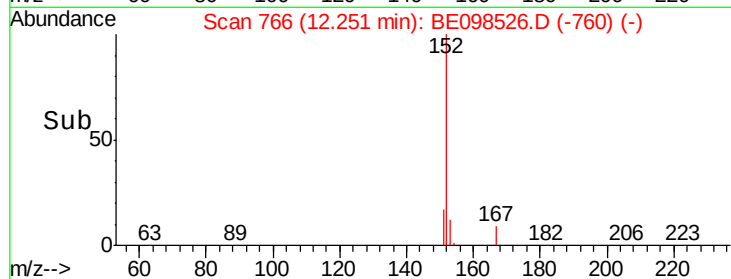
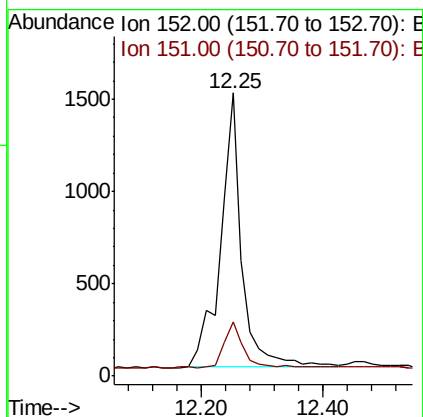
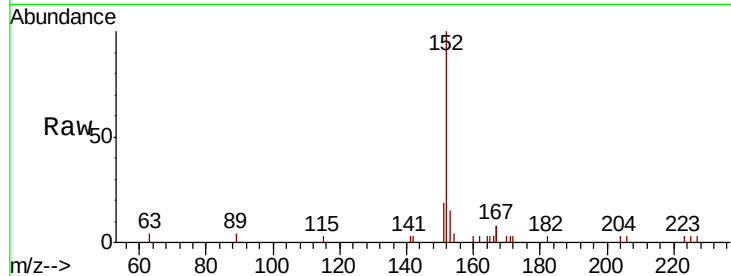




#11
 2-Methylnaphthalene-d10
 Concen: 0.548 ng
 RT: 12.25 min Scan# 766
 Delta R.T. -0.02 min
 Lab File: BE098526.D
 Acq: 19 Dec 2018 12:49

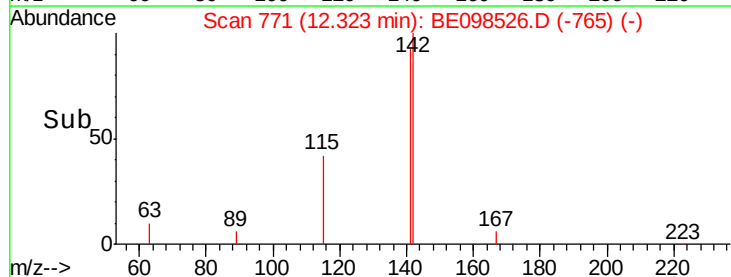
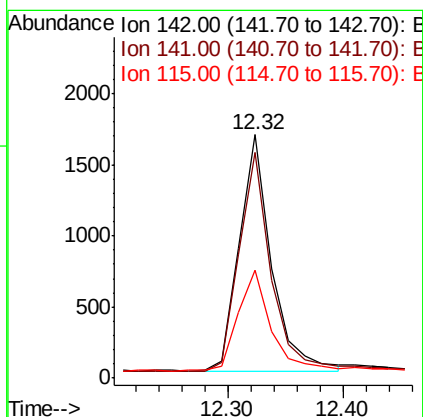
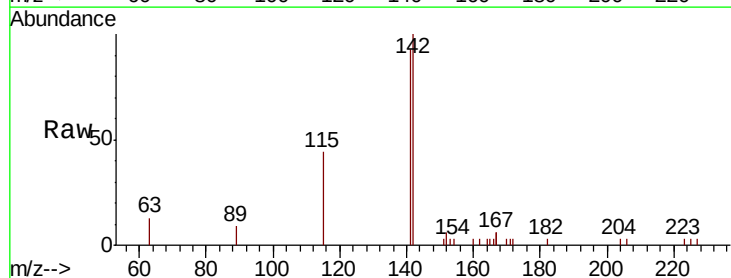
Instrument :
 BNA_E
 ClientSampleId :

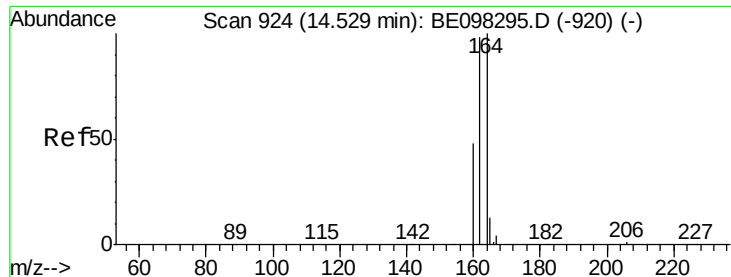
Tot Ion:152 Resp: 3585
 Ion Ratio Lower Upper
 152 100
 151 15.2 16.2 24.4#



#12
 2-Methylnaphthalene
 Concen: 0.490 ng
 RT: 12.32 min Scan# 771
 Delta R.T. -0.02 min
 Lab File: BE098526.D
 Acq: 19 Dec 2018 12:49

Tgt Ion:142 Resp: 3224
 Ion Ratio Lower Upper
 142 100
 141 92.6 71.0 106.6
 115 44.1 32.2 48.2

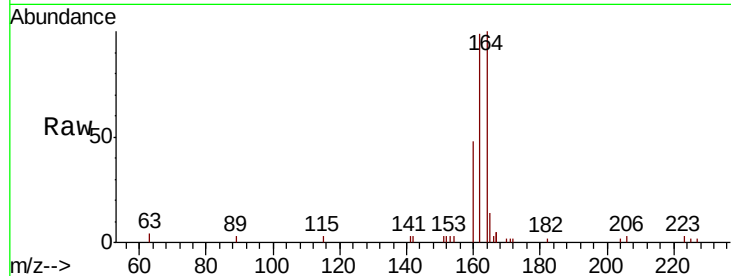




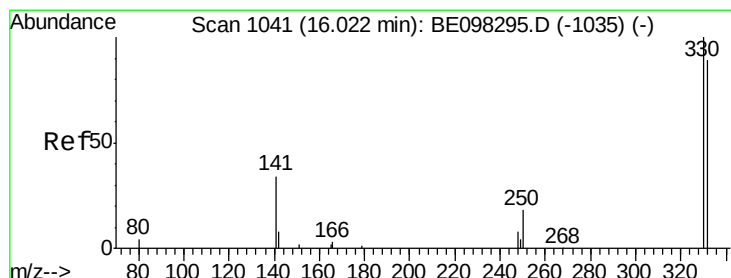
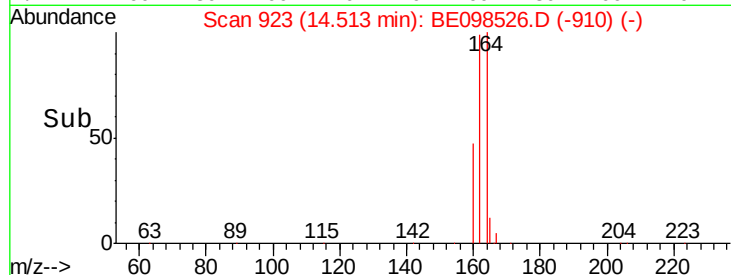
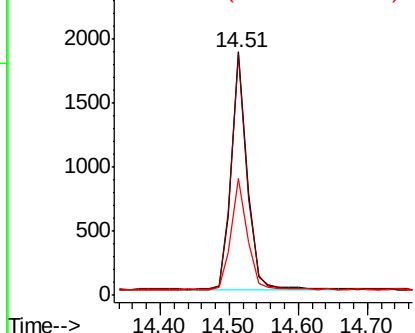
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.02 min
Lab File: BE098526.D
Acq: 19 Dec 2018 12:49

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 2926
Ion Ratio Lower Upper
164 100
162 98.9 77.6 116.4
160 48.0 36.0 54.0

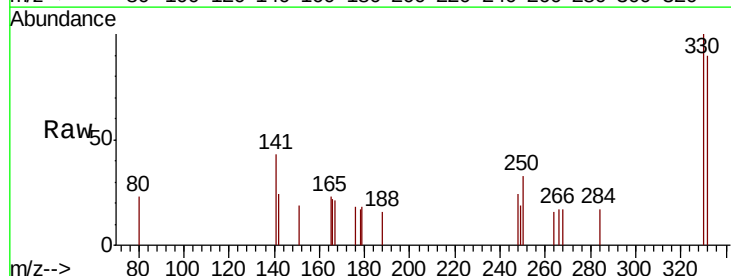


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

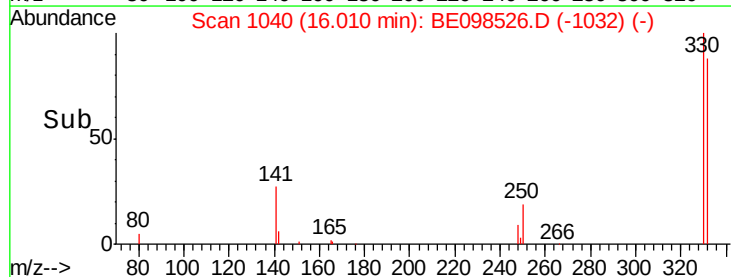
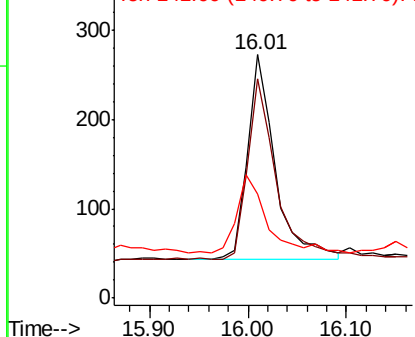


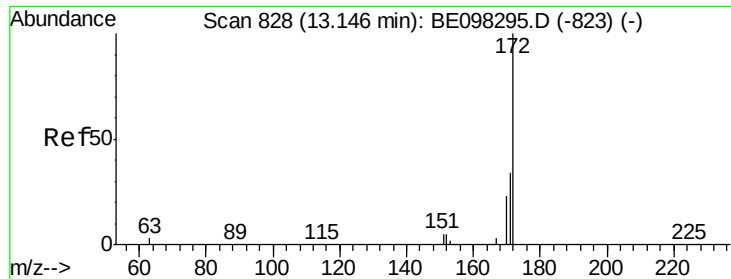
#14
2,4,6-Tribromophenol
Concen: 0.410 ng
RT: 16.01 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BE098526.D
Acq: 19 Dec 2018 12:49

Tgt Ion:330 Resp: 440
Ion Ratio Lower Upper
330 100
332 95.9 76.2 114.4
141 41.4 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

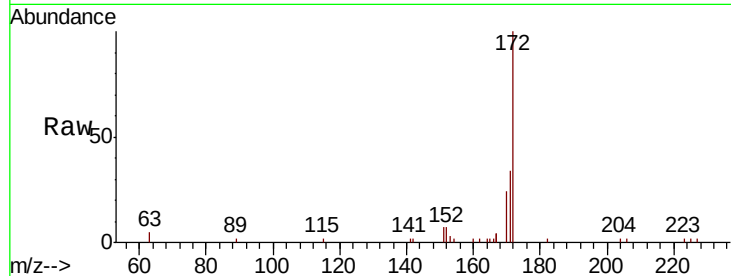




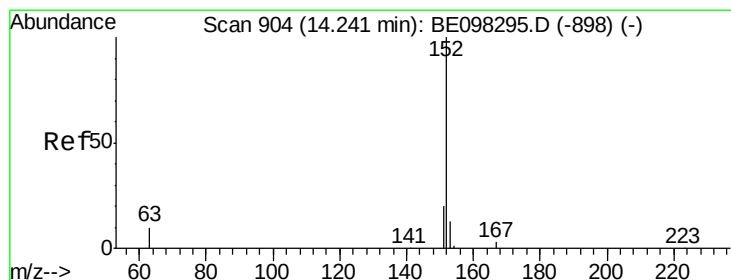
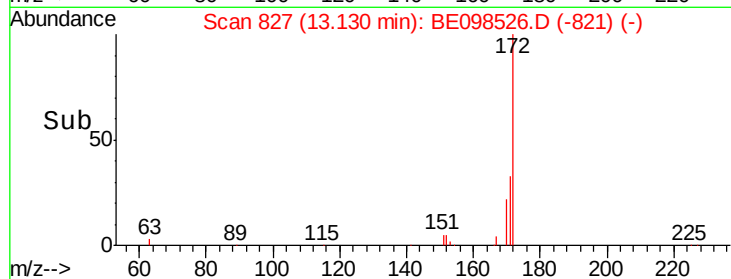
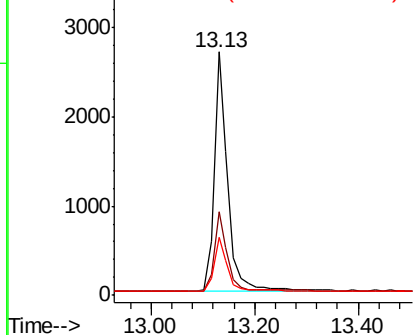
#15
2-Fluorobiphenyl
Concen: 0.402 ng
RT: 13.13 min Scan# 827
Delta R.T. -0.02 min
Lab File: BE098526.D
Acq: 19 Dec 2018 12:49

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 4959
Ion Ratio Lower Upper
172 100
171 34.2 27.5 41.3
170 23.6 19.6 29.4

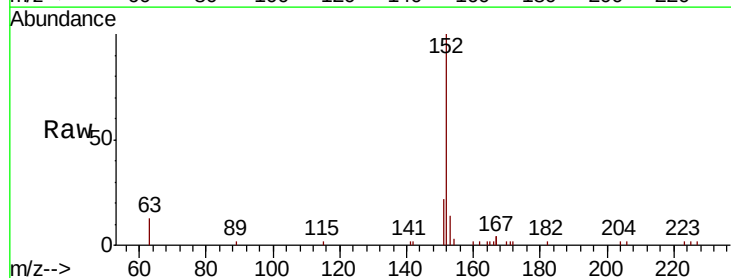


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

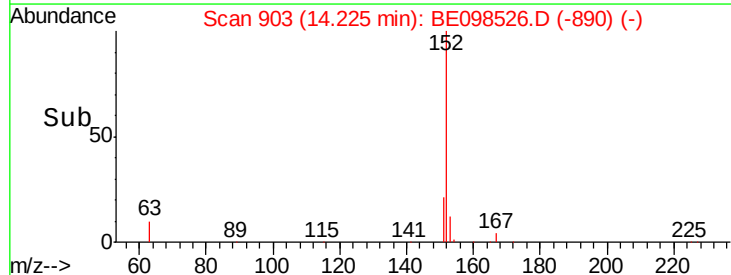
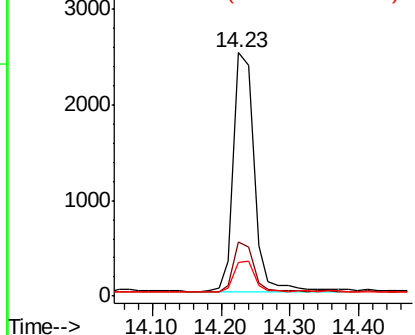


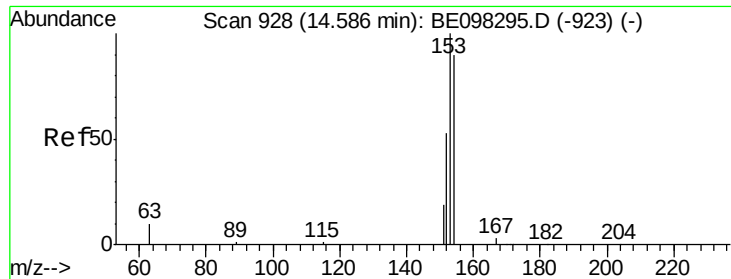
#16
Acenaphthylene
Concen: 0.383 ng
RT: 14.23 min Scan# 903
Delta R.T. -0.02 min
Lab File: BE098526.D
Acq: 19 Dec 2018 12:49

Tgt Ion:152 Resp: 5245
Ion Ratio Lower Upper
152 100
151 19.9 15.5 23.3
153 12.7 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

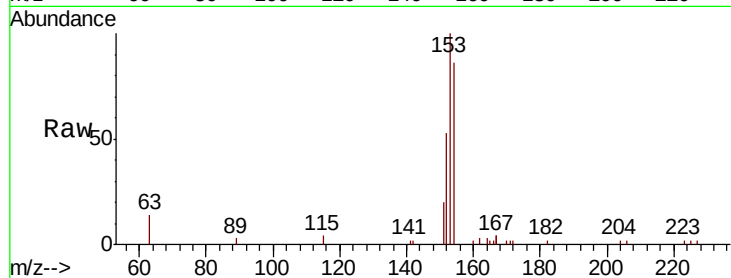




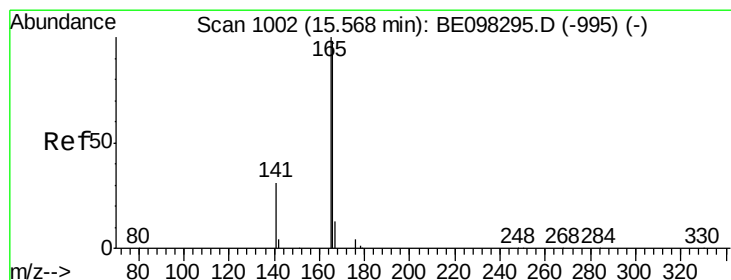
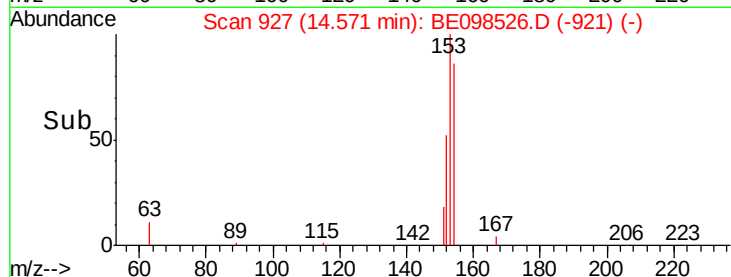
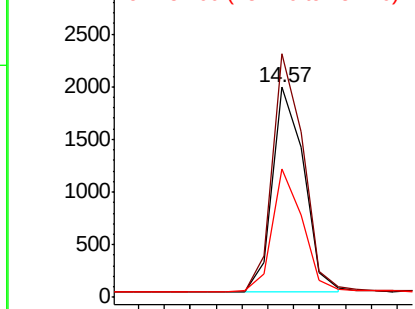
#17
Acenaphthene
Concen: 0.402 ng
RT: 14.57 min Scan# 927
Delta R.T. -0.02 min
Lab File: BE098526.D
Acq: 19 Dec 2018 12:49

Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 3311
Ion Ratio Lower Upper
154 100
153 114.5 91.8 137.6
152 57.3 45.5 68.3

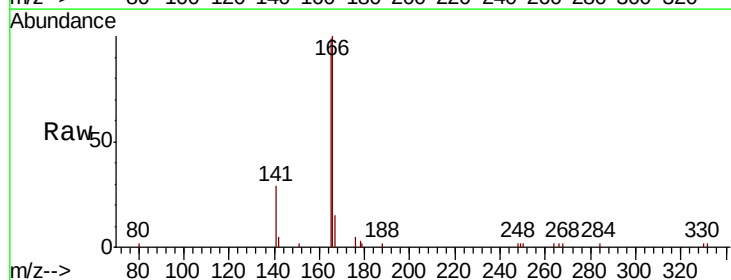


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

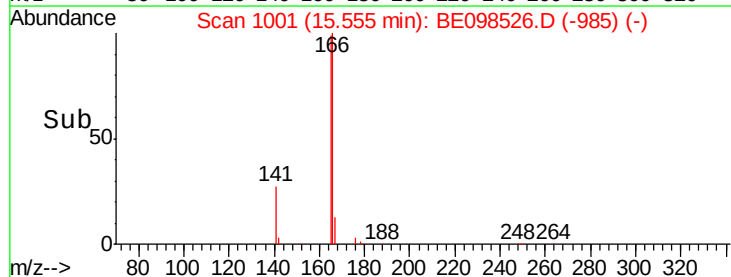
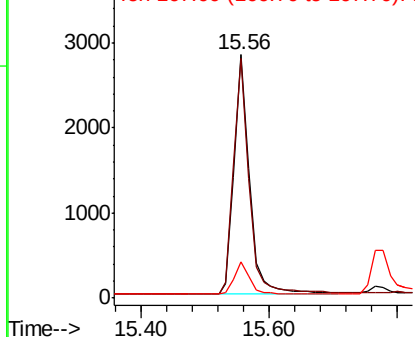


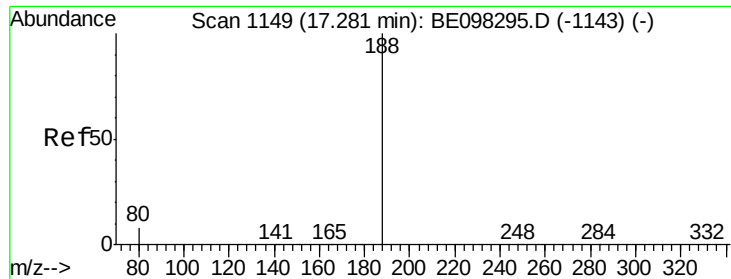
#18
Fluorene
Concen: 0.426 ng
RT: 15.56 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BE098526.D
Acq: 19 Dec 2018 12:49

Tgt Ion:166 Resp: 4690
Ion Ratio Lower Upper
166 100
165 99.2 79.3 118.9
167 12.9 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: 17.26 min Scan# 1147

Delta R.T. -0.02 min

Lab File: BE098526.D

Acq: 19 Dec 2018 12:49

Instrument :

BNA_E

ClientSampled :

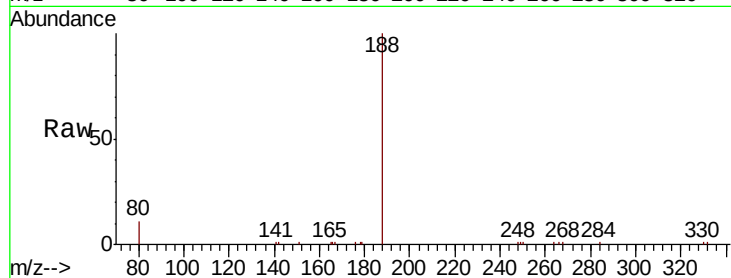
Tot Ion:188 Resp: 6984

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

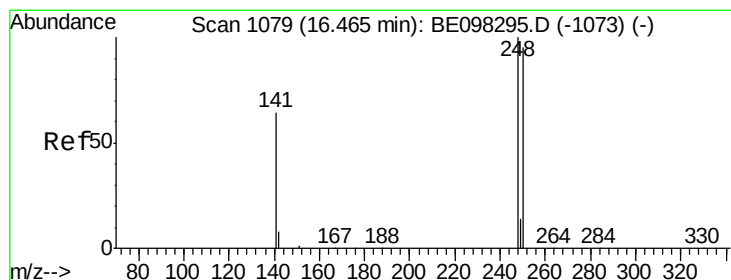
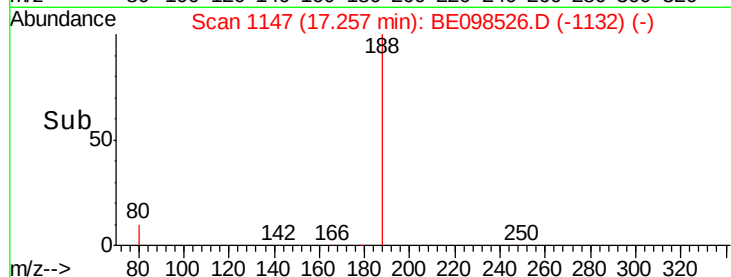
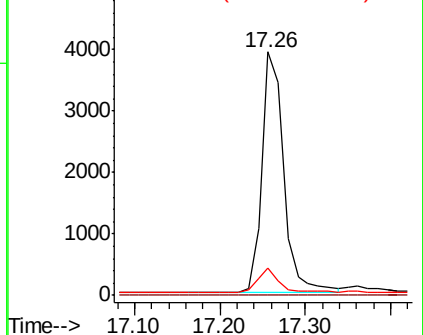
80 11.3 7.2 10.8#



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: 0.403 ng

RT: 16.45 min Scan# 1078

Delta R.T. -0.01 min

Lab File: BE098526.D

Acq: 19 Dec 2018 12:49

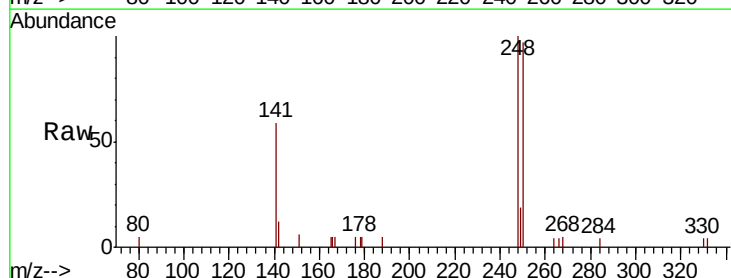
Tgt Ion:248 Resp: 1515

Ion Ratio Lower Upper

248 100

250 97.0 71.0 106.6

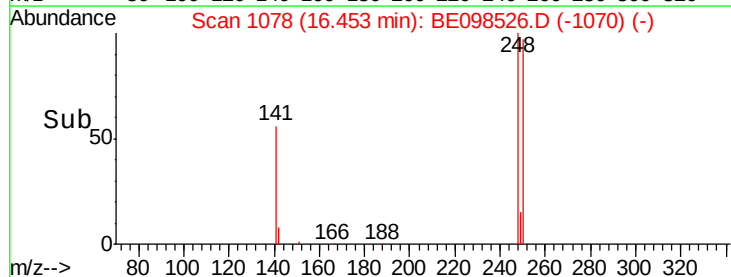
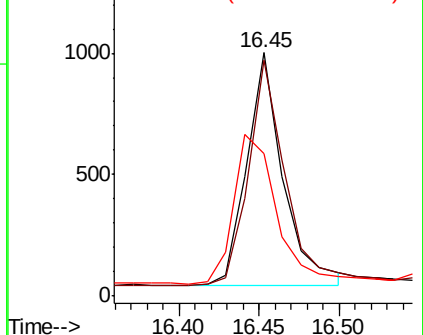
141 58.7 62.1 93.1#

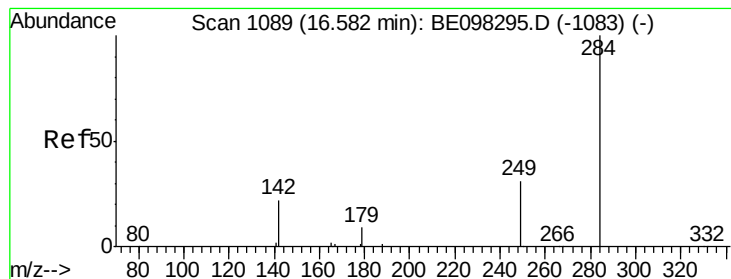


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.433 ng

RT: 16.57 min Scan# 1088

Delta R.T. -0.01 min

Lab File: BE098526.D

Acq: 19 Dec 2018 12:49

Instrument :

BNA_E

ClientSampleId :

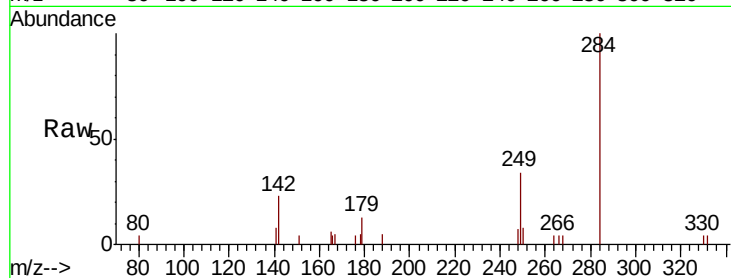
Tot Ion:284 Resp: 1748

Ion Ratio Lower Upper

284 100

142 33.3 26.3 39.5

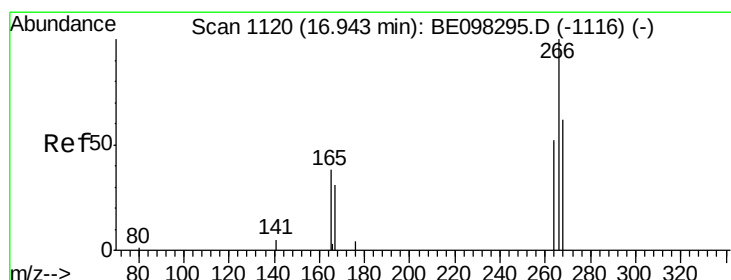
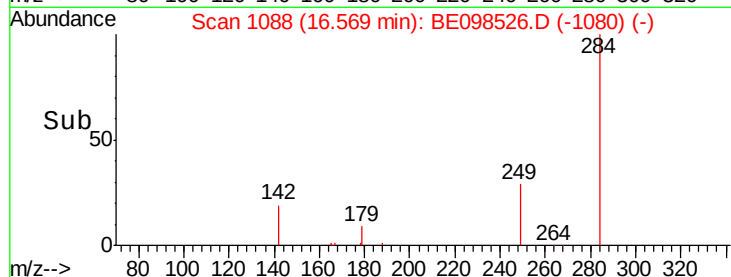
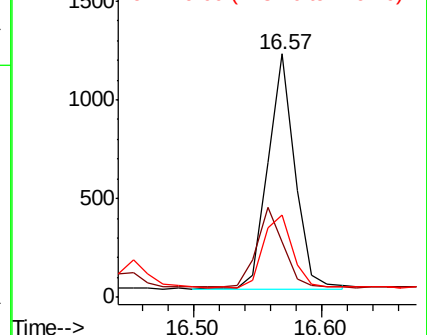
249 33.9 26.0 39.0



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: 0.747 ng

RT: 16.93 min Scan# 1119

Delta R.T. -0.01 min

Lab File: BE098526.D

Acq: 19 Dec 2018 12:49

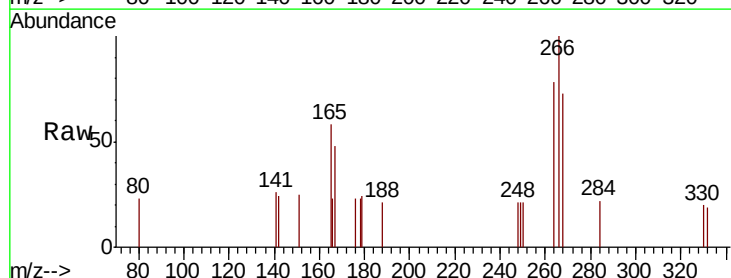
Tgt Ion:266 Resp: 544

Ion Ratio Lower Upper

266 100

264 78.1 59.0 88.4

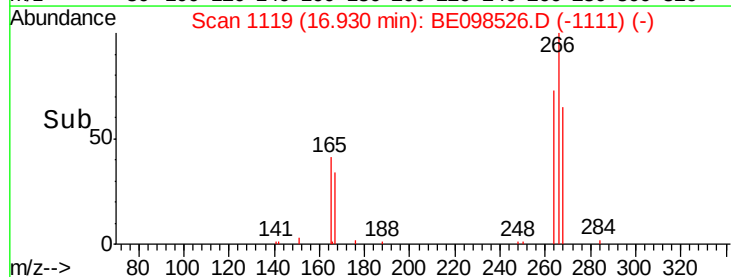
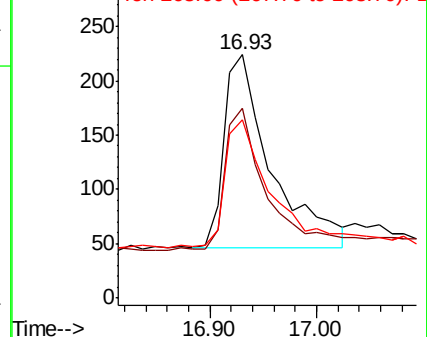
268 73.2 55.1 82.7

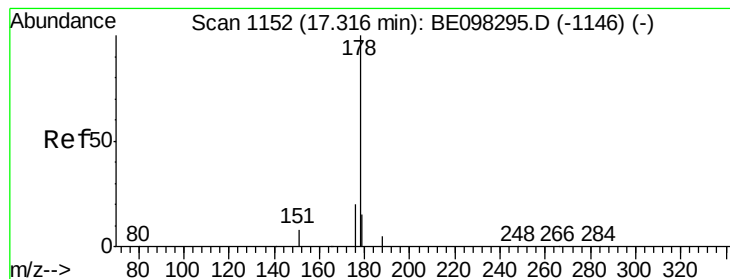


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.456 ng

RT: 17.30 min Scan# 1151

Delta R.T. -0.01 min

Lab File: BE098526.D

Acq: 19 Dec 2018 12:49

Instrument :

BNA_E

ClientSampleId :

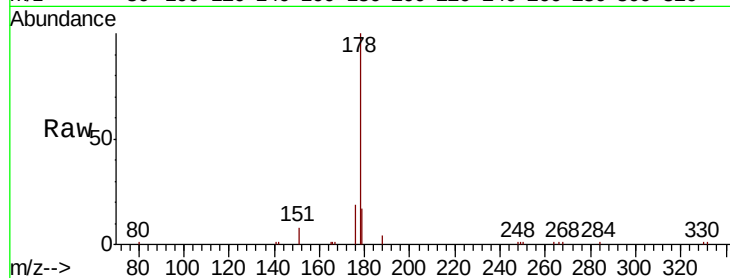
Tot Ion:178 Resp: 7743

Ion Ratio Lower Upper

178 100

176 19.8 15.9 23.9

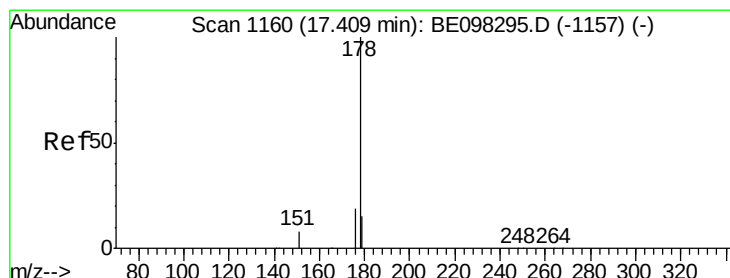
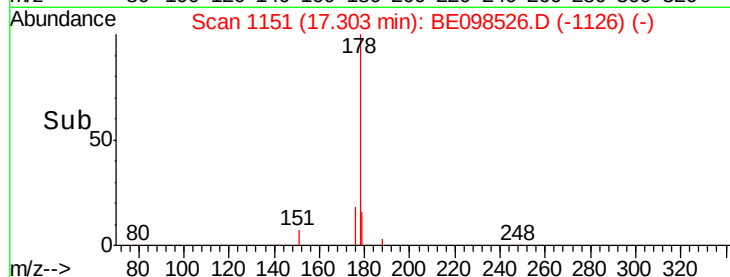
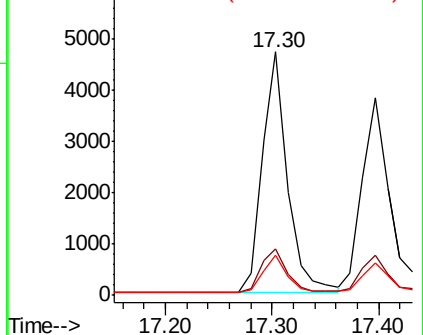
179 15.3 12.3 18.5



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: 0.432 ng

RT: 17.40 min Scan# 1159

Delta R.T. -0.01 min

Lab File: BE098526.D

Acq: 19 Dec 2018 12:49

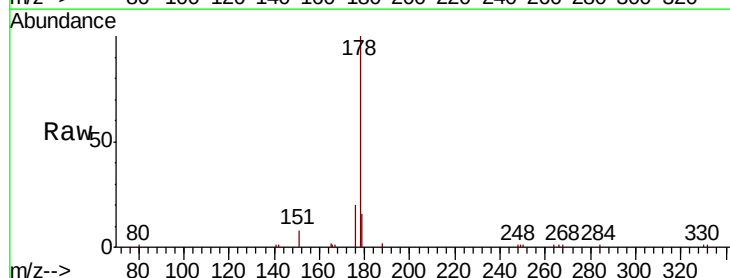
Tgt Ion:178 Resp: 6535

Ion Ratio Lower Upper

178 100

176 18.9 15.0 22.4

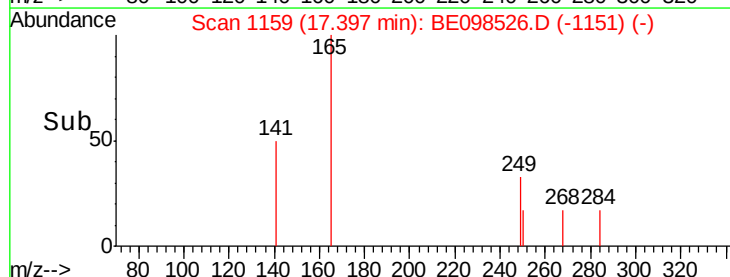
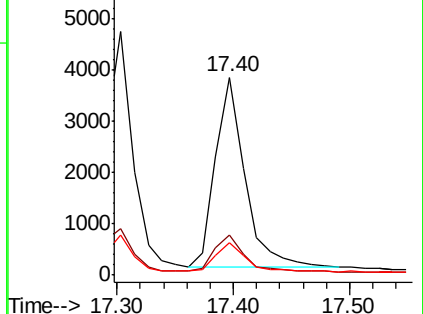
179 15.6 12.3 18.5

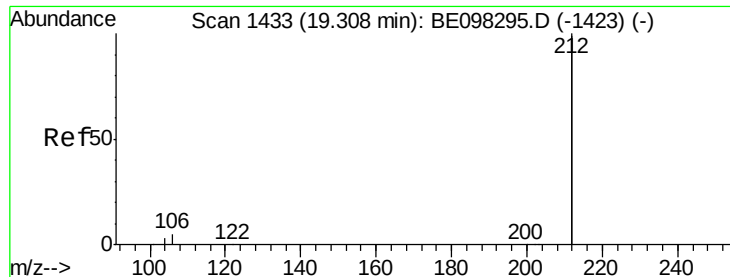


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

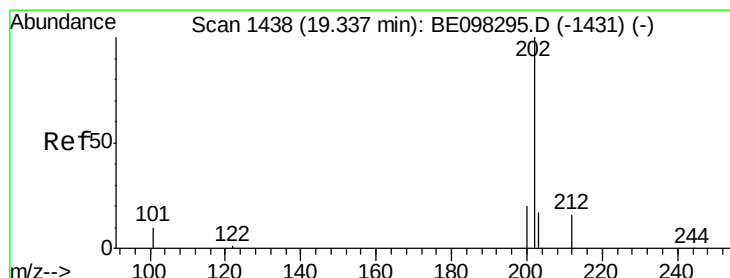
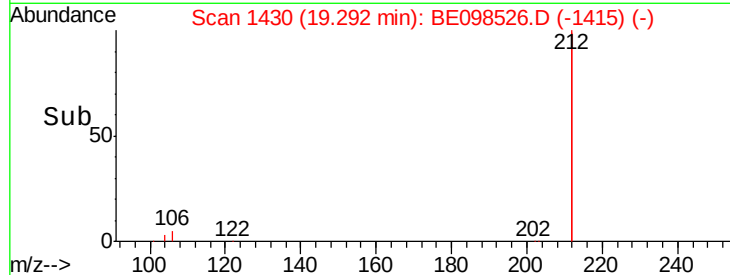
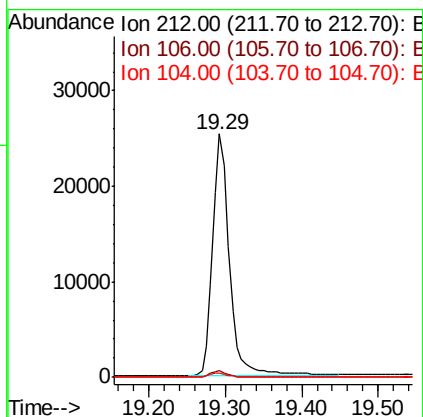
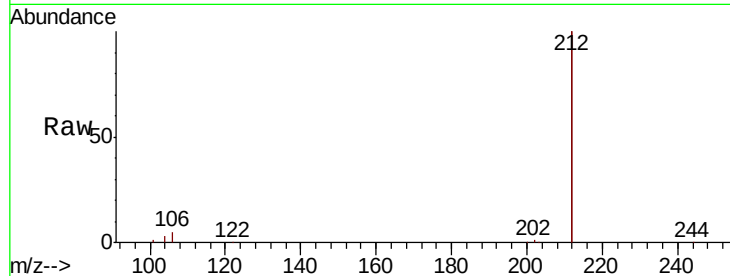




#25
 Fluoranthene-d10
 Concen: 0.431 ng
 RT: 19.29 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BE098526.D
 Acq: 19 Dec 2018 12:49

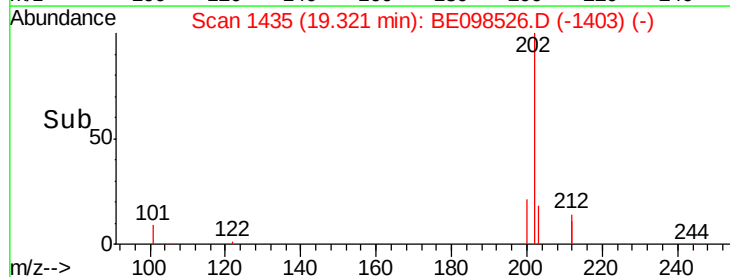
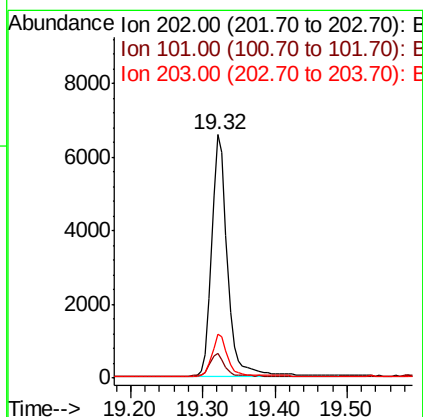
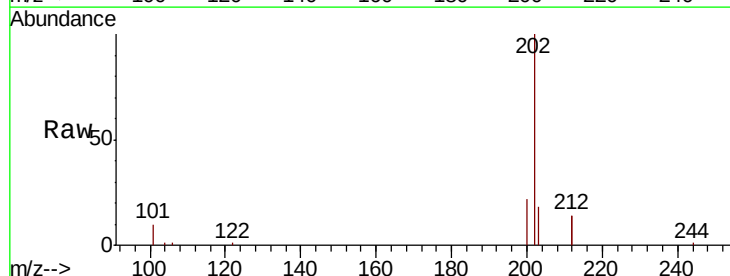
Instrument :
 BNA_E
 ClientSampleId :

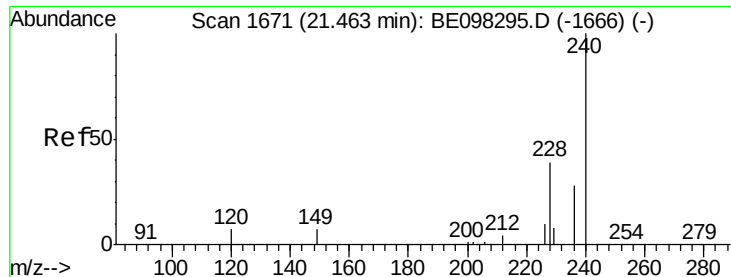
Tot Ion:212 Resp: 38615
 Ion Ratio Lower Upper
 212 100
 106 2.4 2.2 3.2
 104 1.4 1.3 1.9



#26
 Fluoranthene
 Concen: 0.444 ng
 RT: 19.32 min Scan# 1435
 Delta R.T. -0.02 min
 Lab File: BE098526.D
 Acq: 19 Dec 2018 12:49

Tgt Ion:202 Resp: 9977
 Ion Ratio Lower Upper
 202 100
 101 9.0 8.0 12.0
 203 16.9 13.8 20.6

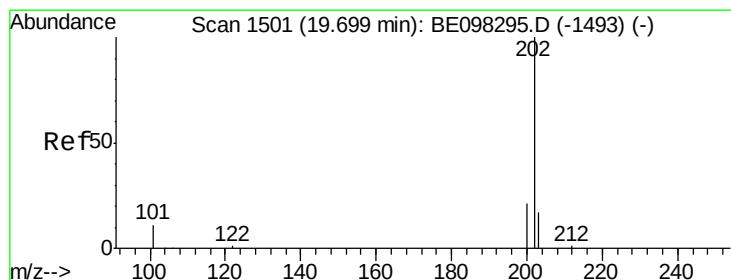
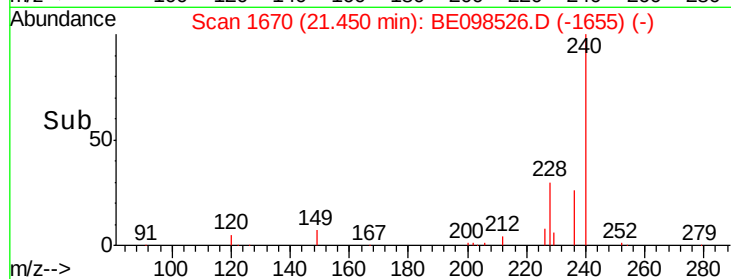
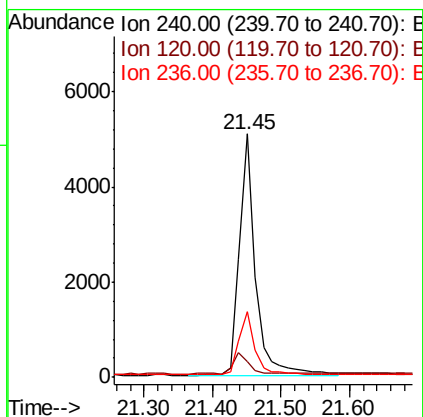
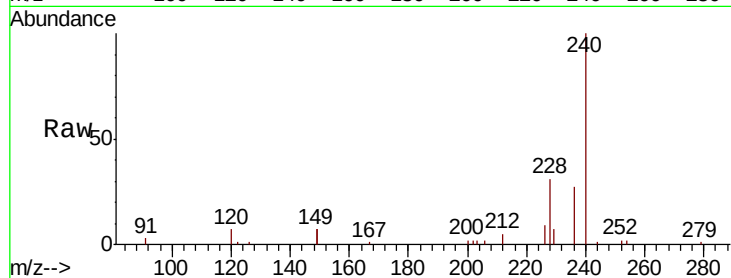




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.45 min Scan# 1670
 Delta R.T. -0.01 min
 Lab File: BE098526.D
 Acq: 19 Dec 2018 12:49

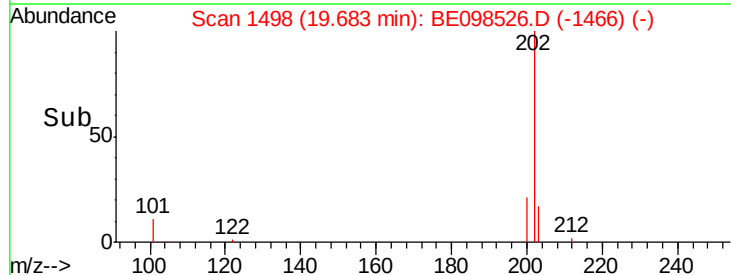
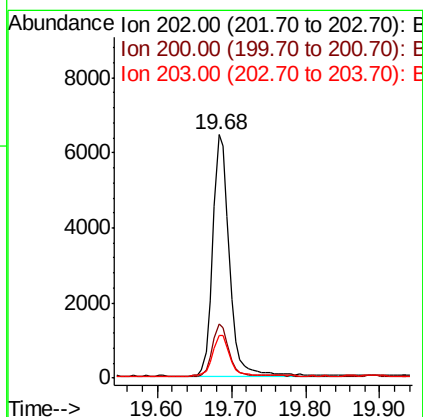
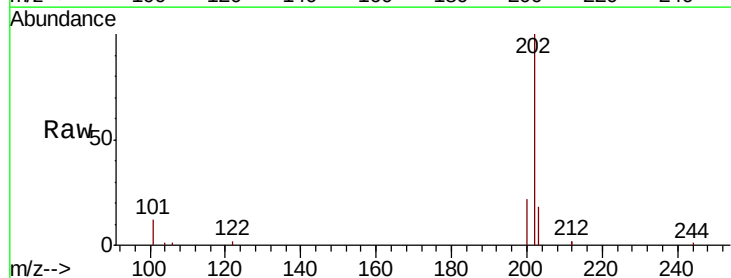
Instrument :
 BNA_E
 ClientSampleId :

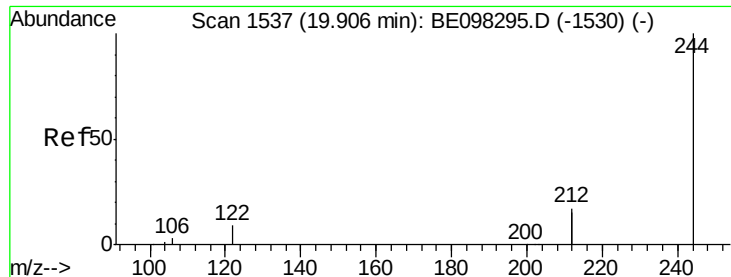
Tot Ion:240 Resp: 8235
 Ion Ratio Lower Upper
 240 100
 120 6.6 9.5 14.3#
 236 27.2 22.7 34.1



#28
 Pyrene
 Concen: 0.388 ng
 RT: 19.68 min Scan# 1498
 Delta R.T. -0.02 min
 Lab File: BE098526.D
 Acq: 19 Dec 2018 12:49

Tgt Ion:202 Resp: 10026
 Ion Ratio Lower Upper
 202 100
 200 21.5 16.7 25.1
 203 18.0 14.1 21.1





#29

Terphenyl-d14

Concen: 0.425 ng

RT: 19.89 min Scan# 1534

Delta R.T. -0.02 min

Lab File: BE098526.D

Acq: 19 Dec 2018 12:49

Instrument :

BNA_E

ClientSampleId :

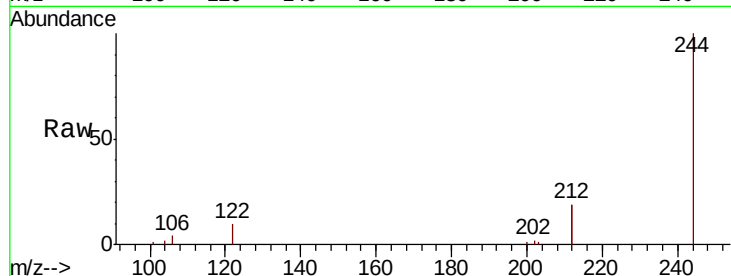
Tot Ion:244 Resp: 8504

Ion Ratio Lower Upper

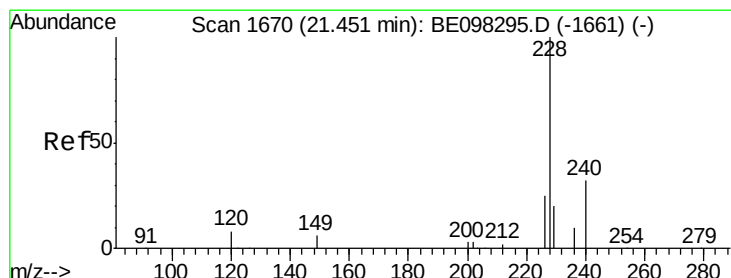
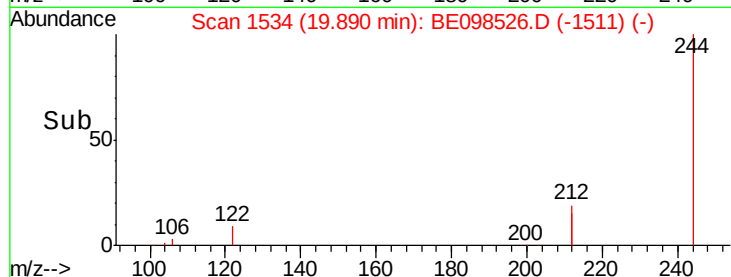
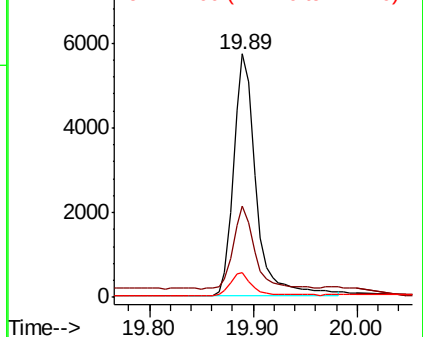
244 100

212 37.6 27.4 41.0

122 9.9 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: 0.428 ng

RT: 21.44 min Scan# 1669

Delta R.T. -0.01 min

Lab File: BE098526.D

Acq: 19 Dec 2018 12:49

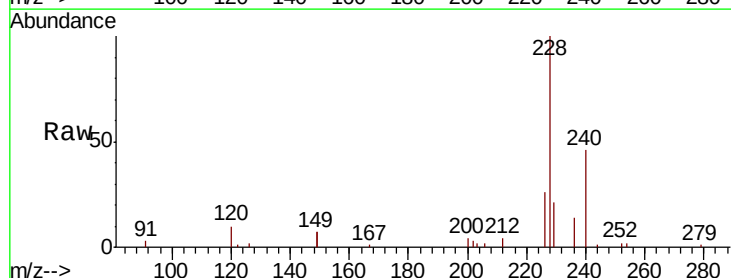
Tgt Ion:228 Resp: 10034

Ion Ratio Lower Upper

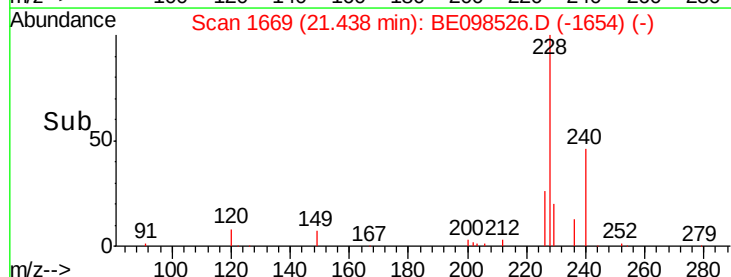
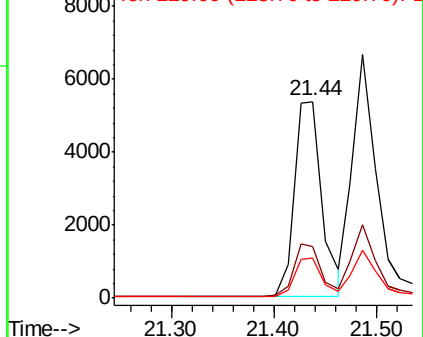
228 100

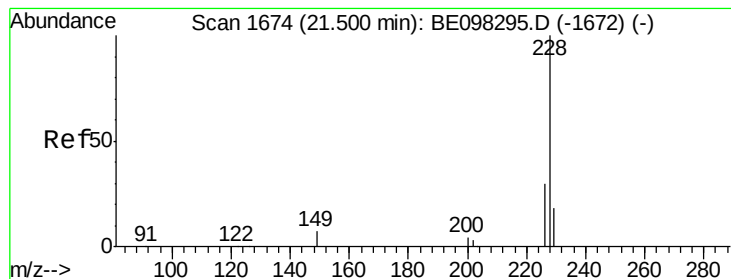
226 26.4 21.8 32.8

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: 0.423 ng

RT: 21.49 min Scan# 1673

Delta R.T. -0.01 min

Lab File: BE098526.D

Acq: 19 Dec 2018 12:49

Instrument :

BNA_E

ClientSampled :

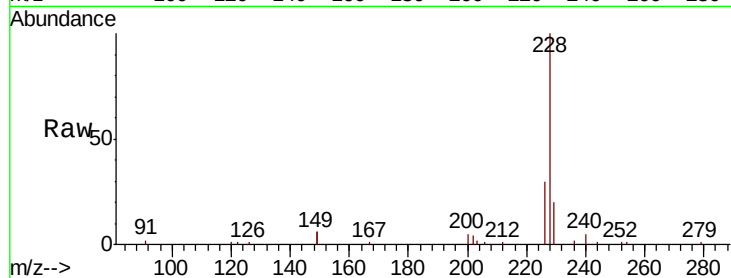
Tot Ion:228 Resp: 10381

Ion Ratio Lower Upper

228 100

226 30.3 23.4 35.0

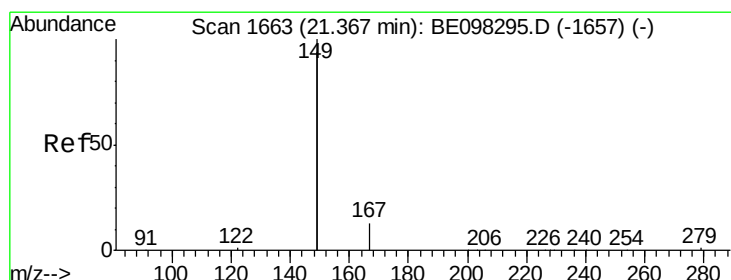
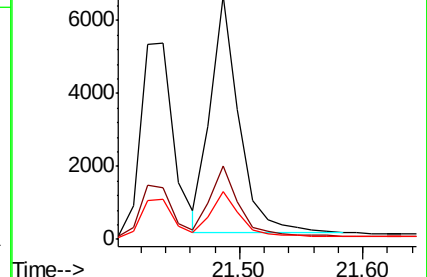
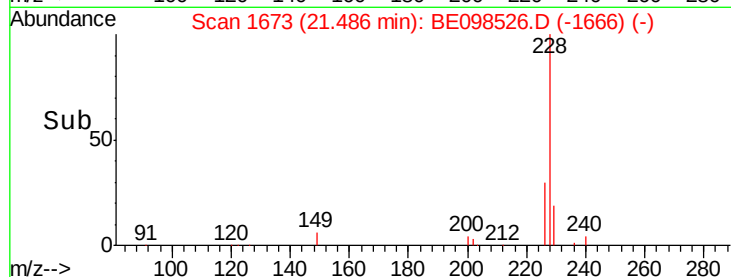
229 19.8 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.325 ng

RT: 21.35 min Scan# 1662

Delta R.T. -0.01 min

Lab File: BE098526.D

Acq: 19 Dec 2018 12:49

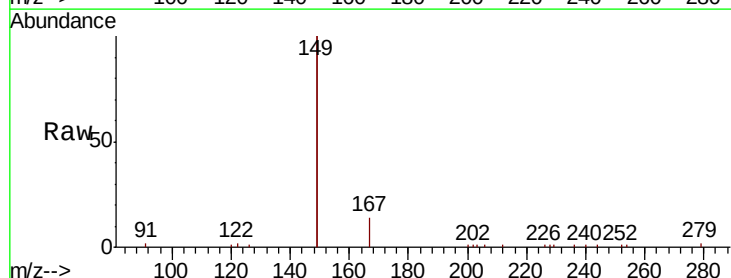
Tgt Ion:149 Resp: 15465

Ion Ratio Lower Upper

149 100

167 6.8 5.7 8.5

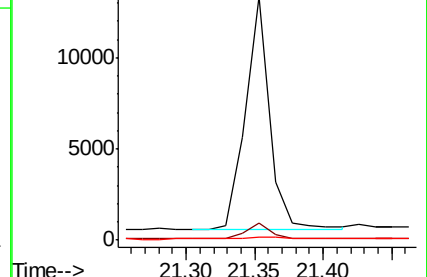
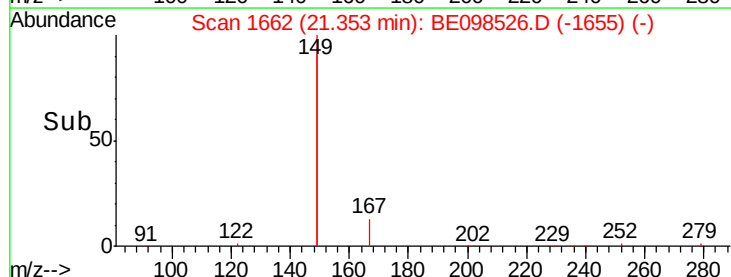
279 1.1 1.0 1.4

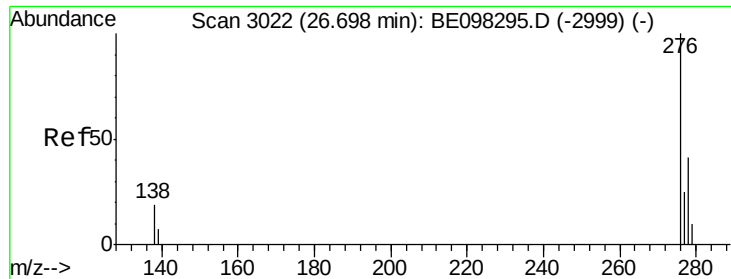


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

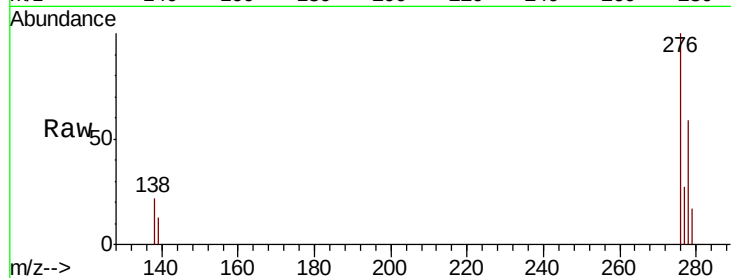




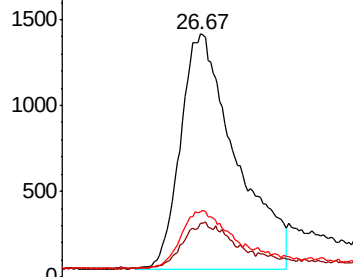
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.305 ng
 RT: 26.67 min Scan# 3014
 Delta R.T. -0.03 min
 Lab File: BE098526.D
 Acq: 19 Dec 2018 12:49

Instrument :
 BNA_E
 ClientSampleId :

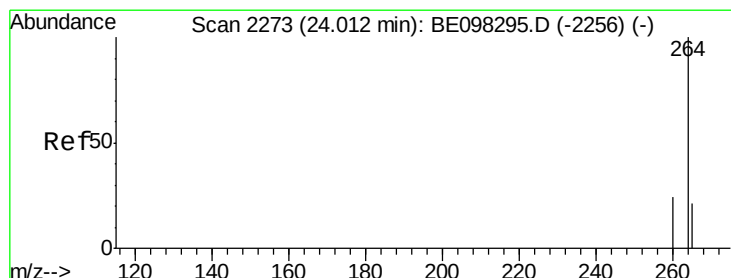
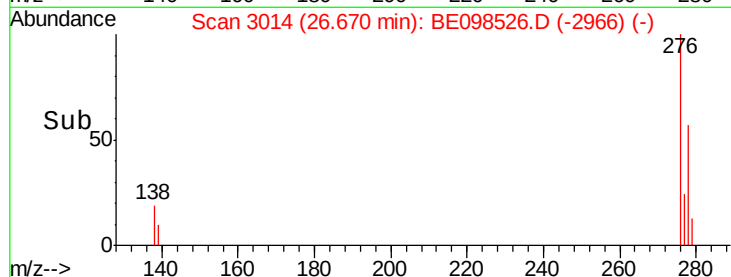
Tot Ion:276 Resp: 7461
 Ion Ratio Lower Upper
 276 100
 138 17.0 16.3 24.5
 277 21.7 20.2 30.4



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

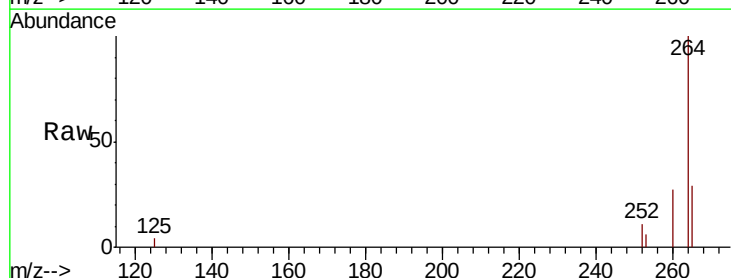


Time--> 26.50 26.60 26.70 26.80

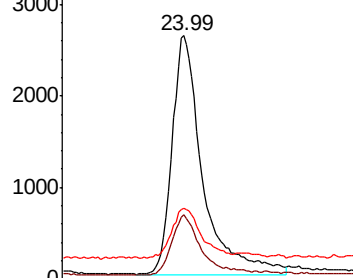


#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.99 min Scan# 2266
 Delta R.T. -0.03 min
 Lab File: BE098526.D
 Acq: 19 Dec 2018 12:49

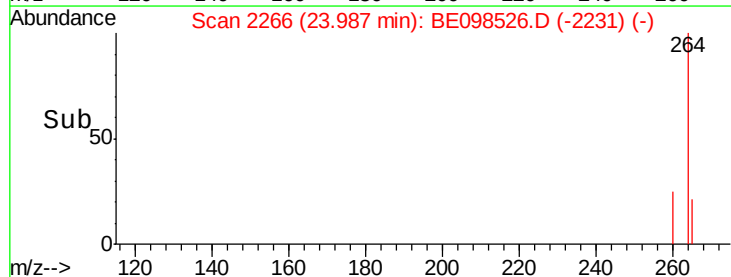
Tgt Ion:264 Resp: 7641
 Ion Ratio Lower Upper
 264 100
 260 26.7 20.2 30.2
 265 29.3 25.2 37.8

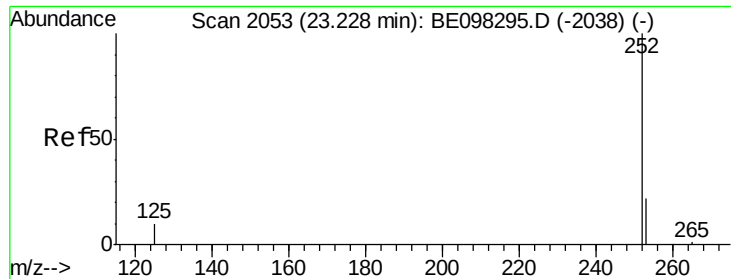


Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E



Time--> 23.90 24.00 24.10





#35

Benzo(b)fluoranthene

Concen: 0.432 ng

RT: 23.21 min Scan# 2048

Delta R.T. -0.02 min

Lab File: BE098526.D

Acq: 19 Dec 2018 12:49

Instrument :

BNA_E

ClientSampleId :

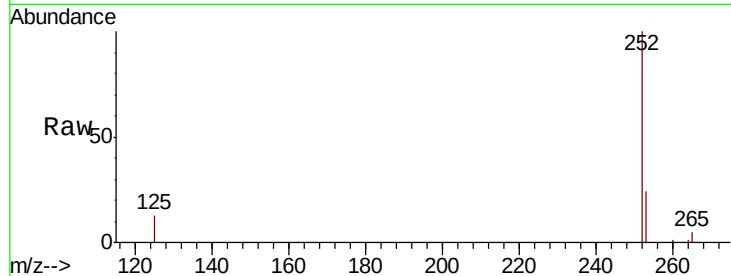
Tot Ion:252 Resp: 9034

Ion Ratio Lower Upper

252 100

253 23.8 20.0 30.0

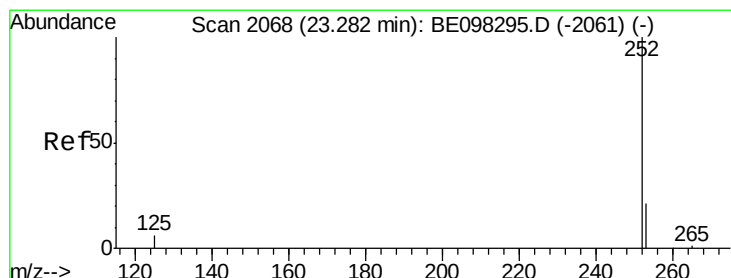
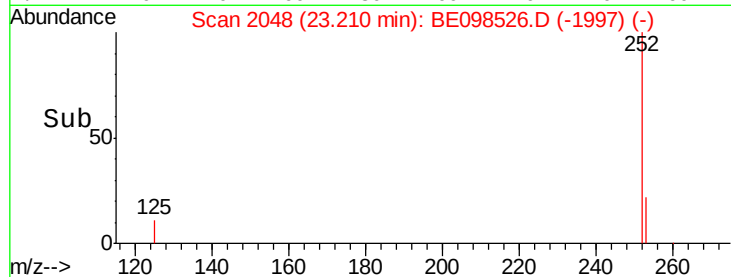
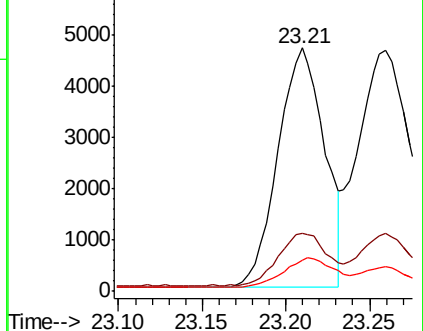
125 13.0 9.6 14.4



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: 0.465 ng

RT: 23.26 min Scan# 2062

Delta R.T. -0.02 min

Lab File: BE098526.D

Acq: 19 Dec 2018 12:49

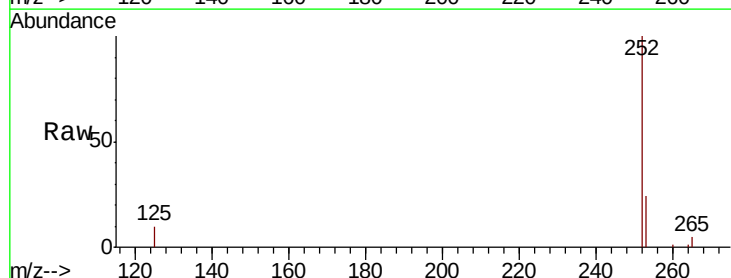
Tgt Ion:252 Resp: 11311

Ion Ratio Lower Upper

252 100

253 24.0 19.0 28.6

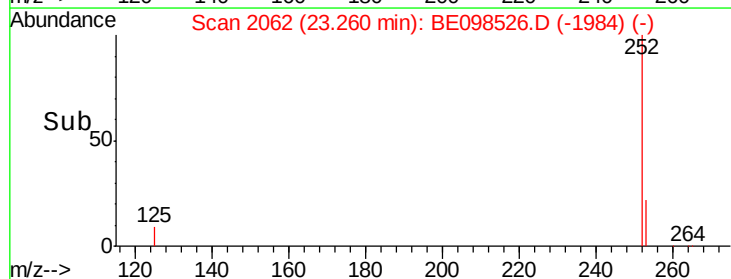
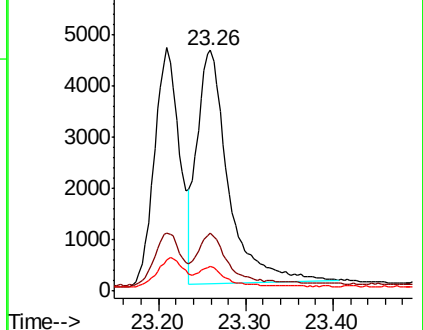
125 10.2 9.1 13.7

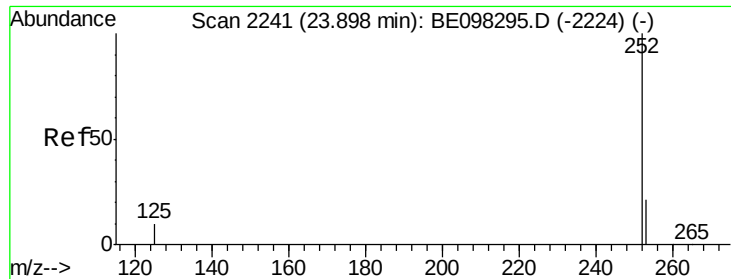


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.437 ng

RT: 23.87 min Scan# 2234

Delta R.T. -0.03 min

Lab File: BE098526.D

Acq: 19 Dec 2018 12:49

Instrument :

BNA_E

ClientSampleId :

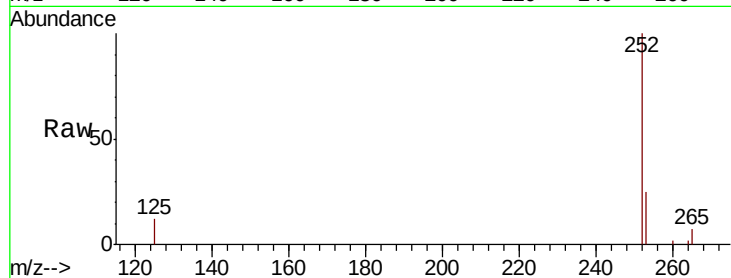
Tot Ion:252 Resp: 9418

Ion Ratio Lower Upper

252 100

253 25.0 20.6 30.8

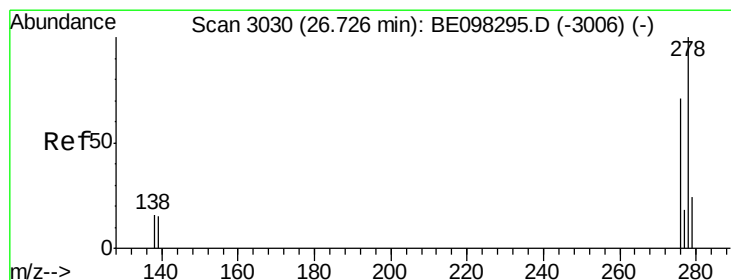
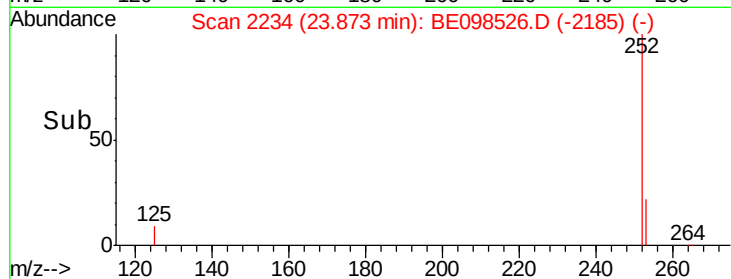
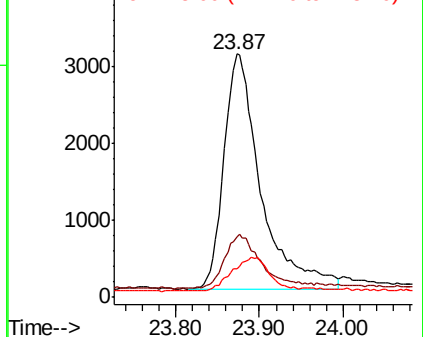
125 11.8 10.5 15.7



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: 0.312 ng

RT: 26.69 min Scan# 3020

Delta R.T. -0.04 min

Lab File: BE098526.D

Acq: 19 Dec 2018 12:49

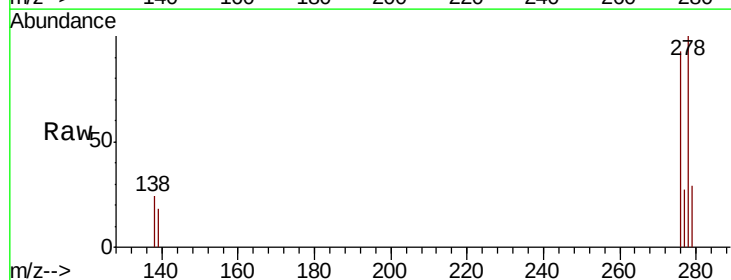
Tgt Ion:278 Resp: 6334

Ion Ratio Lower Upper

278 100

139 18.4 14.5 21.7

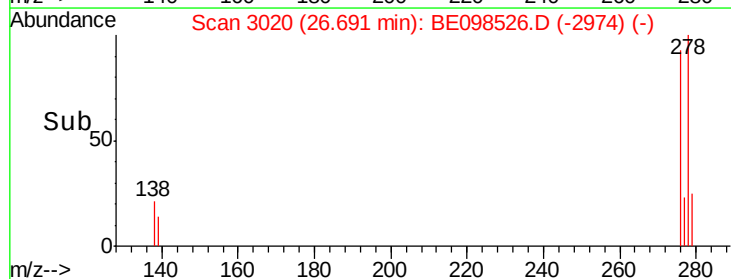
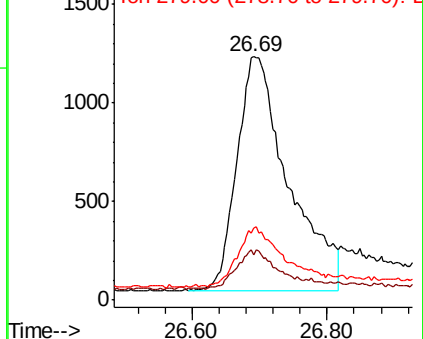
279 29.4 21.8 32.8

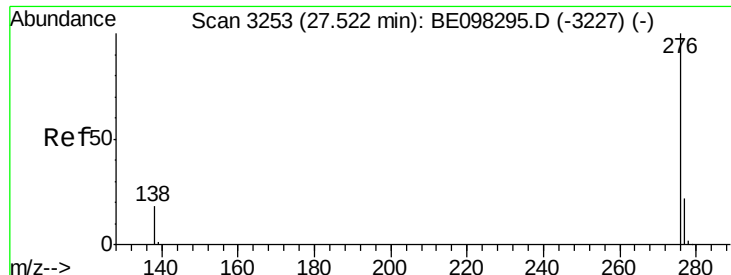


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.264 ng

RT: 27.49 min Scan# 3243

Delta R.T. -0.04 min

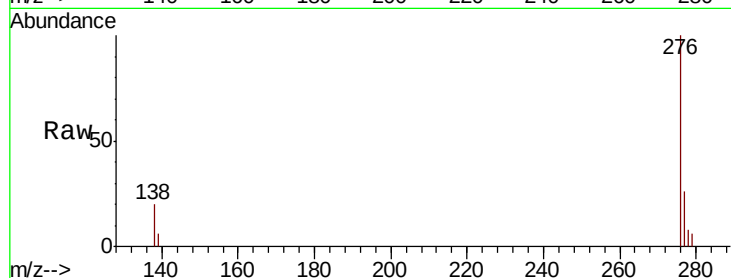
Lab File: BE098526.D

Acq: 19 Dec 2018 12:49

Instrument :

BNA_E

ClientSampleId :



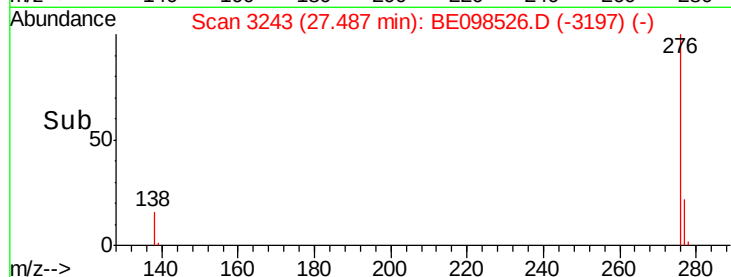
Tot Ion: 276 Resp: 5398

Ion Ratio Lower Upper

276 100

277 26.0 20.8 31.2

138 20.2 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

