

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE122018\
 Data File : BE098543.D
 Acq On : 20 Dec 2018 17:35
 Operator : SJ/JU
 Sample : PB115586BS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB115810BS

Quant Time: Dec 21 05:03:17 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	612	0.40	ng	-0.01
7) Naphthalene-d8	10.65	136	2799	0.40	ng	-0.01
13) Acenaphthene-d10	14.52	164	2191	0.40	ng	-0.01
19) Phenanthrene-d10	17.26	188	6646	0.40	ng	-0.02
27) Chrysene-d12	21.45	240	9359	0.40	ng	-0.01
34) Perylene-d12	23.99	264	7616	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.45	112	618	0.43	ng	0.00
5) Phenol-d6	7.03	99	947	0.47	ng	-0.01
8) Nitrobenzene-d5	9.02	82	853	0.33	ng	0.00
11) 2-Methylnaphthalene-d10	12.25	152	2014	0.44	ng	-0.01
14) 2,4,6-Tribromophenol	16.01	330	389	0.48	ng	-0.01
15) 2-Fluorobiphenyl	13.13	172	3366	0.36	ng	-0.01
25) Fluoranthene-d10	19.29	212	39183	0.46	ng	-0.02
29) Terphenyl-d14	19.89	244	7992	0.35	ng	-0.01

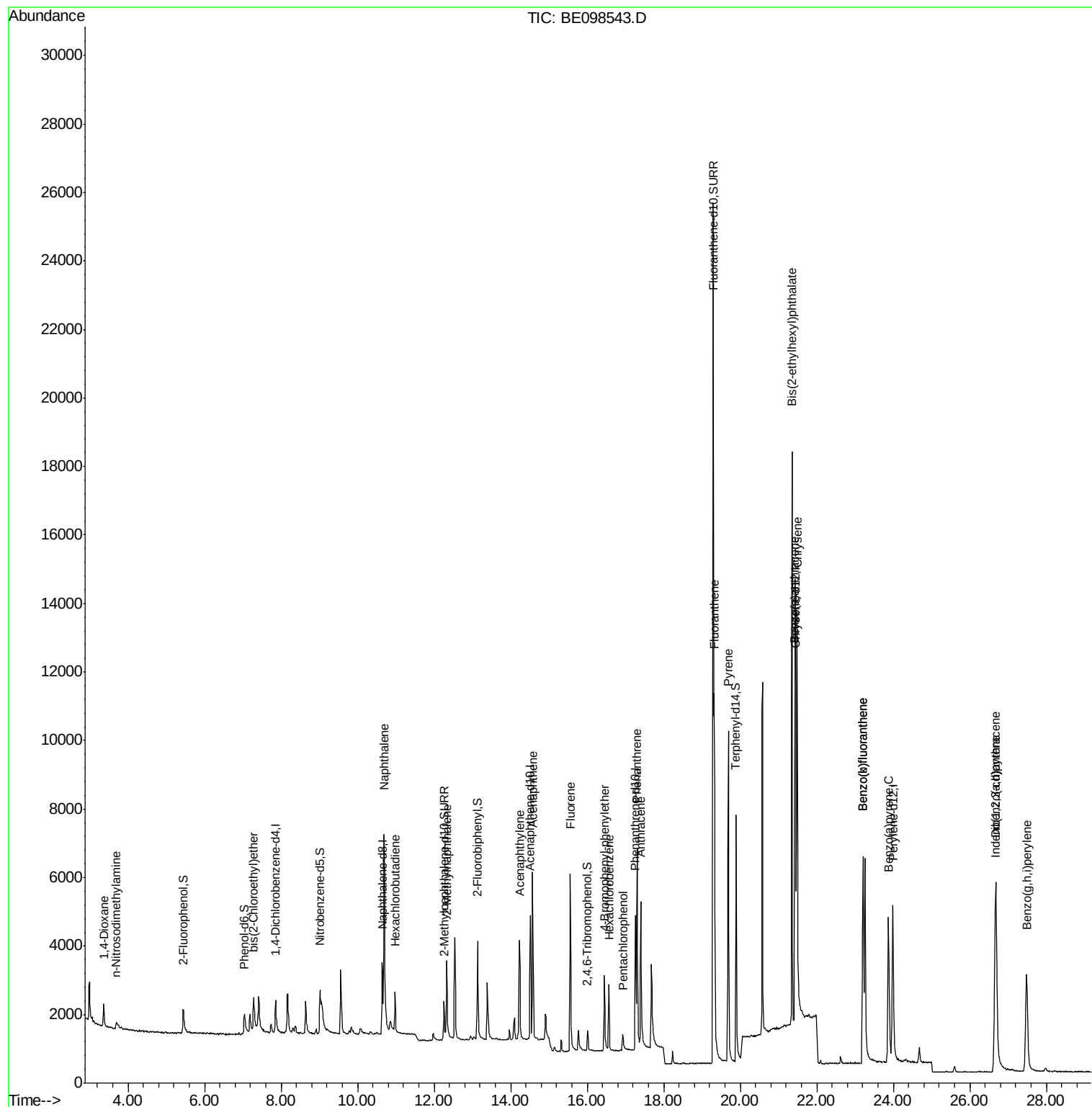
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.36	88	506	0.478	ng	90
3) n-Nitrosodimethylamine	3.69	42	278	0.292	ng	# 100
6) bis(2-Chloroethyl)ether	7.28	93	702	0.364	ng	84
9) Naphthalene	10.69	128	12151	0.431	ng	98
10) Hexachlorobutadiene	10.98	225	774	0.432	ng	94
12) 2-Methylnaphthalene	12.33	142	1994	0.436	ng	97
16) Acenaphthylene	14.23	152	3774	0.368	ng	99
17) Acenaphthene	14.57	154	2500	0.405	ng	99
18) Fluorene	15.55	166	3499	0.424	ng	99
20) 4-Bromophenyl-phenylether	16.45	248	1302	0.364	ng	87
21) Hexachlorobenzene	16.57	284	1628	0.423	ng	98
22) Pentachlorophenol	16.93	266	422	0.630	ng	95
23) Phenanthrene	17.30	178	6542	0.405	ng	99
24) Anthracene	17.40	178	5268	0.366	ng	99
26) Fluoranthene	19.33	202	9660	0.452	ng	98
28) Pyrene	19.69	202	10188	0.347	ng	99
30) Benzo(a)anthracene	21.43	228	10423	0.391	ng	99
31) Chrysene	21.49	228	11032	0.395	ng	99
32) Bis(2-ethylhexyl)phthalate	21.35	149	19496	0.360	ng	99
33) Indeno(1,2,3-cd)pyrene	26.66	276	9299	0.335	ng	99
35) Benzo(b)fluoranthene	23.21	252	9128	0.438	ng	99
36) Benzo(k)fluoranthene	23.21	252	9128	0.376	ng	99
37) Benzo(a)pyrene	23.87	252	8669	0.403	ng	97
38) Dibenzo(a,h)anthracene	26.68	278	7724	0.382	ng	98
39) Benzo(g,h,i)perylene	27.48	276	7916	0.388	ng	98

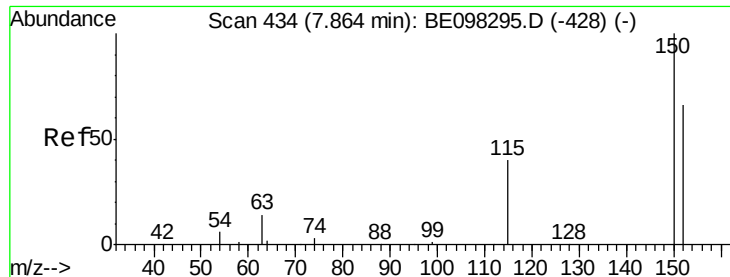
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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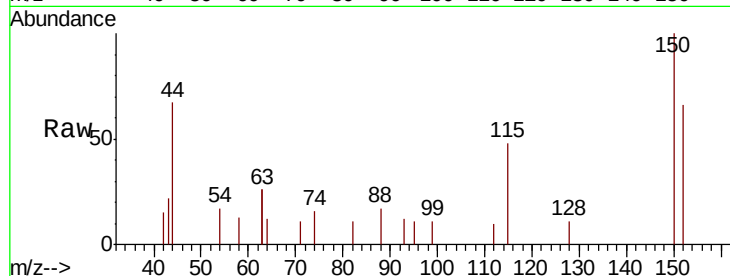


#1

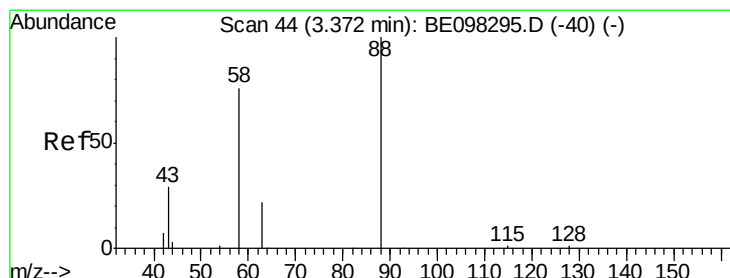
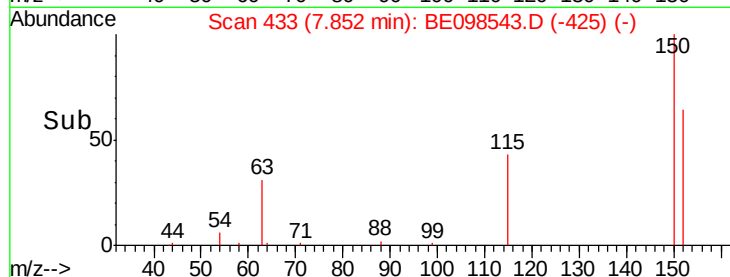
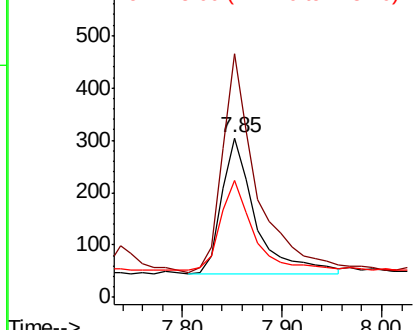
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.85 min Scan# 433
Delta R.T. -0.01 min
Lab File: BE098543.D
Acq: 20 Dec 2018 17:35

Instrument :
BNA_E
ClientSampleId :
PB115810BS

Tgt Ion: 152 Resp: 612
Ion Ratio Lower Upper
152 100
150 152.5 124.2 186.4
115 73.4 53.9 80.9



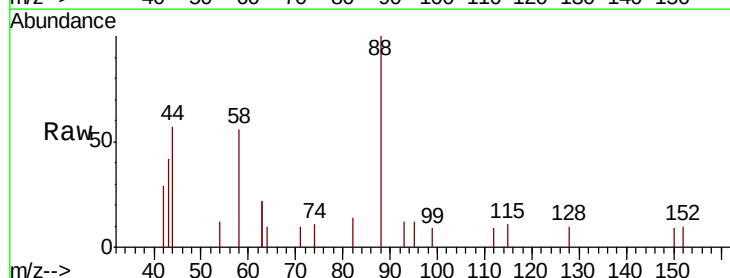
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



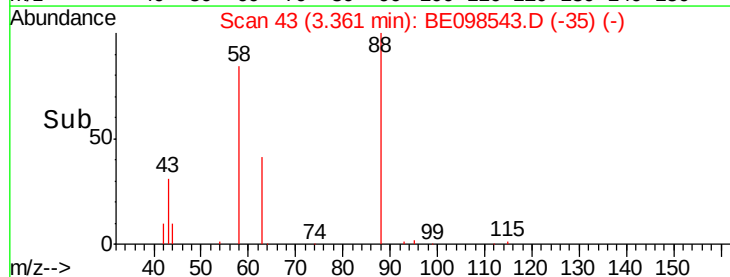
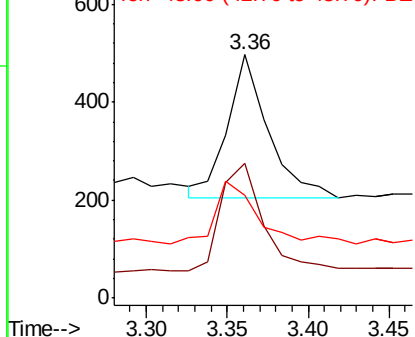
#2

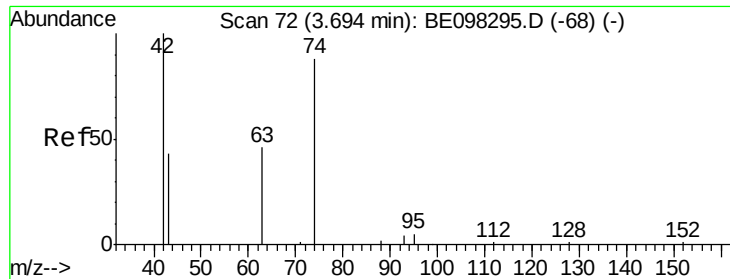
1,4-Dioxane
Concen: 0.478 ng
RT: 3.36 min Scan# 43
Delta R.T. -0.01 min
Lab File: BE098543.D
Acq: 20 Dec 2018 17:35

Tgt Ion: 88 Resp: 506
Ion Ratio Lower Upper
88 100
58 80.2 75.0 112.6
43 48.4 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: 0.292 ng

RT: 3.69 min Scan# 72

Delta R.T. 0.00 min

Lab File: BE098543.D

Acq: 20 Dec 2018 17:35

Instrument :

BNA_E

ClientSampleId :

PB115810BS

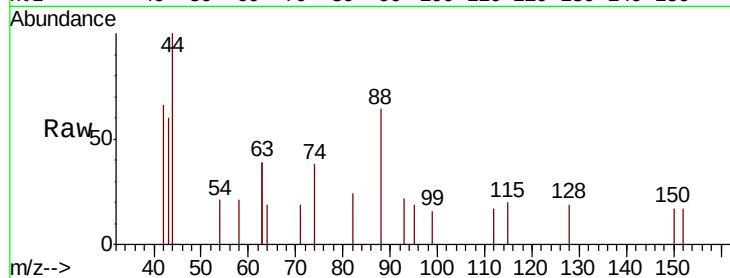
Tgt Ion: 42 Resp: 278

Ion Ratio Lower Upper

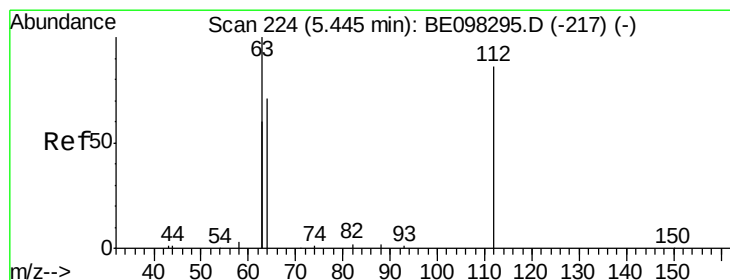
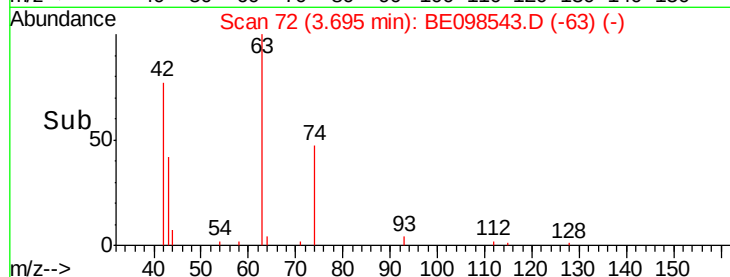
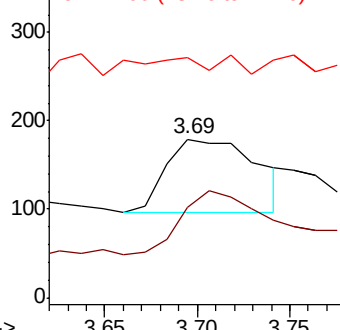
42 100

74 74.5 0.0 0.0#

44 18.3 0.0 0.0#



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



#4

2-Fluorophenol

Concen: 0.431 ng

RT: 5.45 min Scan# 224

Delta R.T. 0.00 min

Lab File: BE098543.D

Acq: 20 Dec 2018 17:35

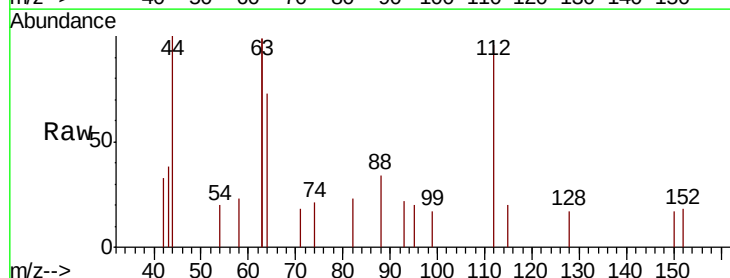
Tgt Ion: 112 Resp: 618

Ion Ratio Lower Upper

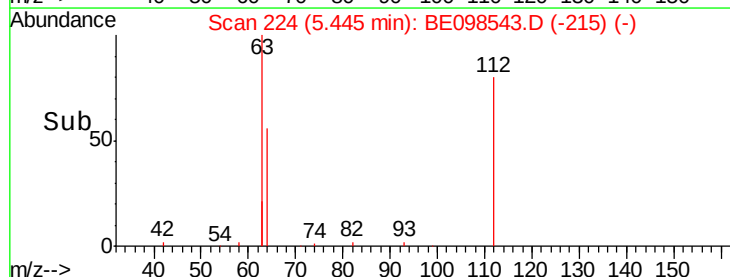
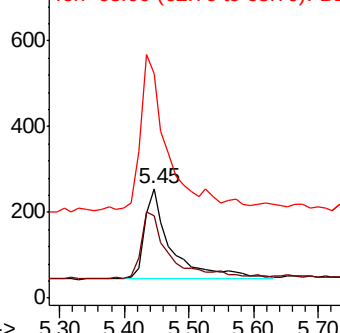
112 100

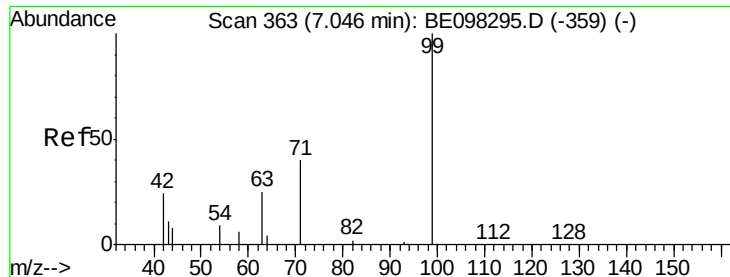
64 79.1 59.8 89.8

63 167.0 133.7 200.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.467 ng

RT: 7.03 min Scan# 362

Delta R.T. -0.01 min

Lab File: BE098543.D

Acq: 20 Dec 2018 17:35

Instrument :

BNA_E

ClientSampleId :

PB115810BS

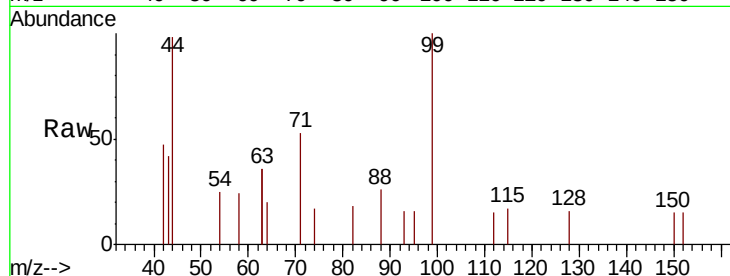
Tgt Ion: 99 Resp: 947

Ion Ratio Lower Upper

99 100

42 26.4 26.3 39.5

71 42.3 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

7.03

300

200

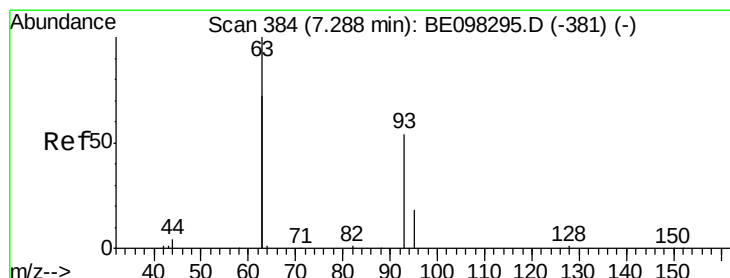
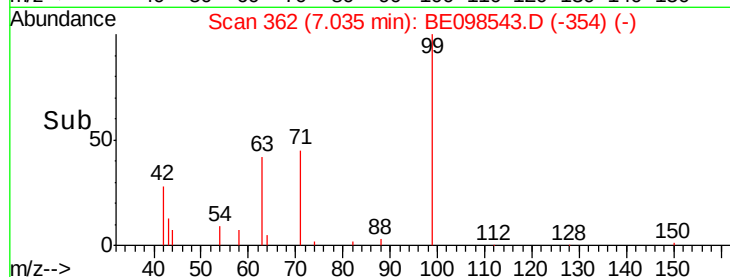
100

0

7.00

7.20

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.364 ng

RT: 7.28 min Scan# 383

Delta R.T. -0.01 min

Lab File: BE098543.D

Acq: 20 Dec 2018 17:35

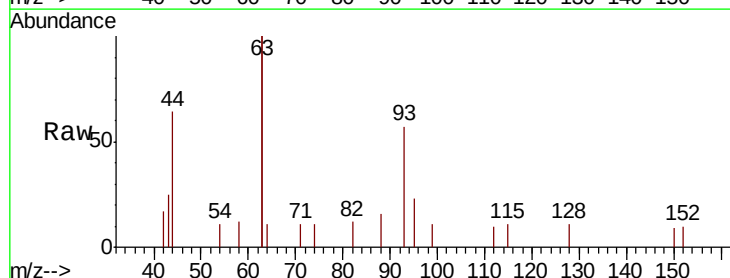
Tgt Ion: 93 Resp: 702

Ion Ratio Lower Upper

93 100

63 292.7 264.4 396.6

95 33.0 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

7.28

1200

1000

800

600

400

200

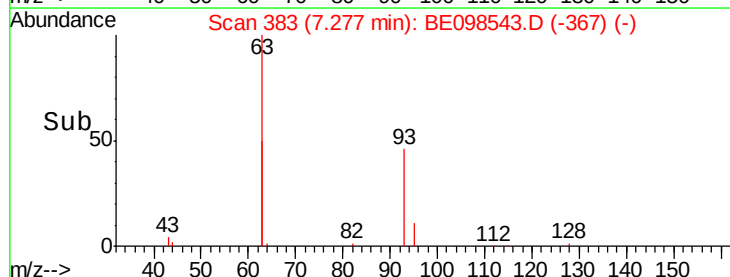
0

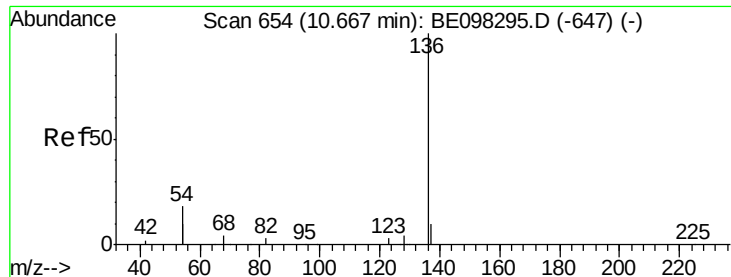
7.20

7.30

7.40

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE098543.D

Acq: 20 Dec 2018 17:35

Instrument :

BNA_E

ClientSampleId :

PB115810BS

Tgt Ion: 136 Resp: 2799

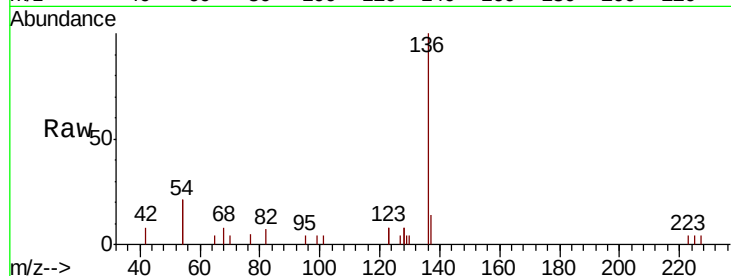
Ion Ratio Lower Upper

136 100

137 14.5 9.2 13.8#

54 42.1 28.4 42.6

68 8.2 5.4 8.0#

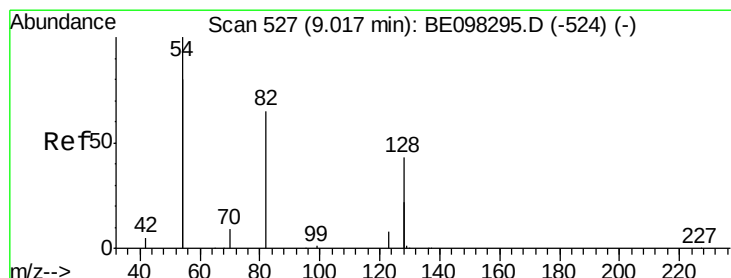
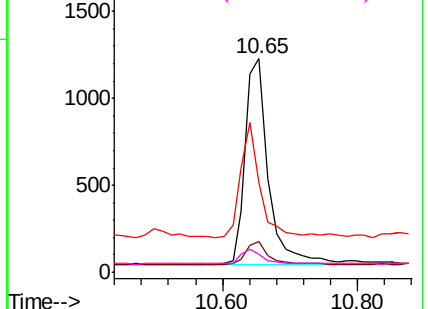
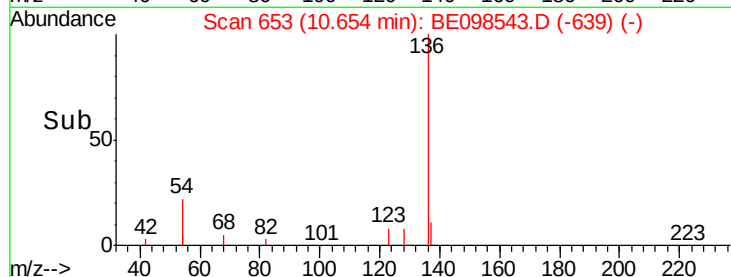


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.335 ng

RT: 9.02 min Scan# 527

Delta R.T. 0.00 min

Lab File: BE098543.D

Acq: 20 Dec 2018 17:35

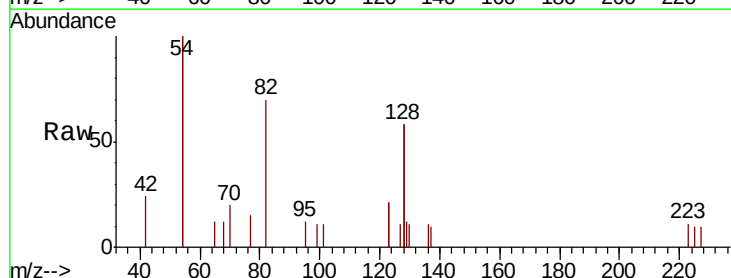
Tgt Ion: 82 Resp: 853

Ion Ratio Lower Upper

82 100

128 164.2 102.4 153.6#

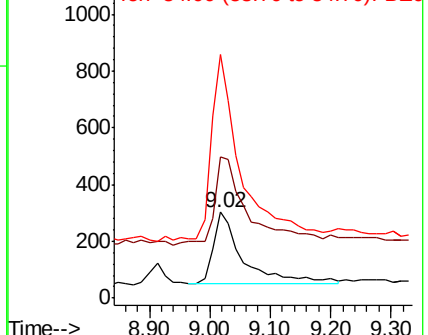
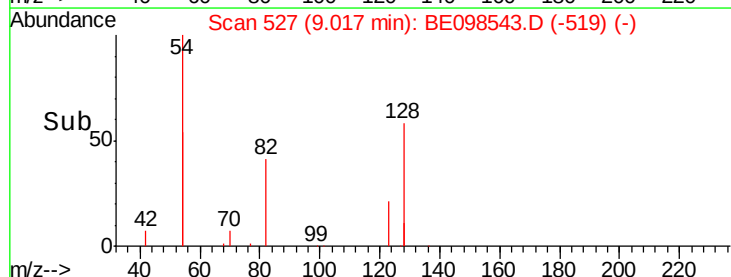
54 284.1 221.8 332.8

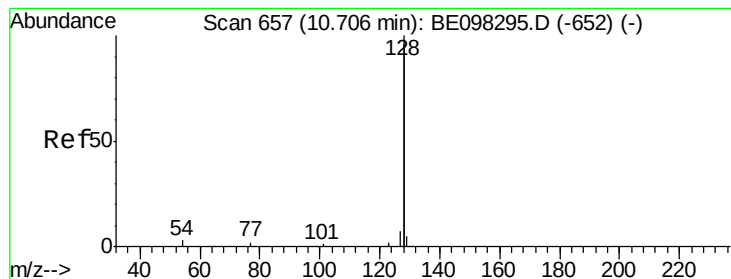


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.431 ng

RT: 10.69 min Scan# 656

Delta R.T. -0.01 min

Lab File: BE098543.D

Acq: 20 Dec 2018 17:35

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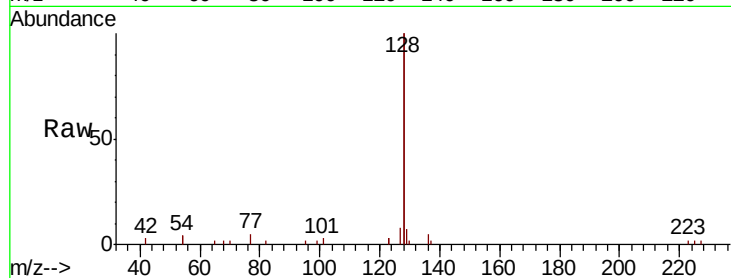
Tgt Ion:128 Resp: 12151

Ion Ratio Lower Upper

128 100

129 3.6 2.5 3.7

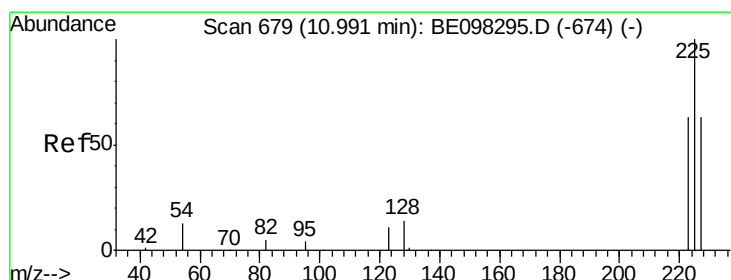
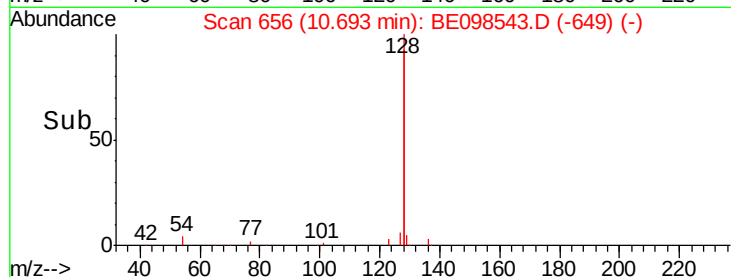
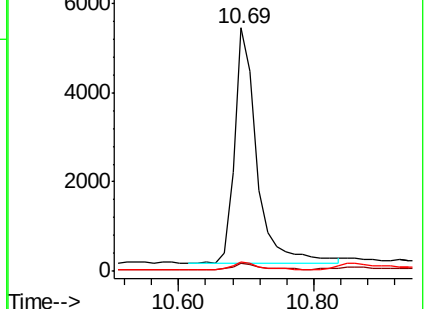
127 4.0 2.7 4.1



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.432 ng

RT: 10.98 min Scan# 678

Delta R.T. -0.01 min

Lab File: BE098543.D

Acq: 20 Dec 2018 17:35

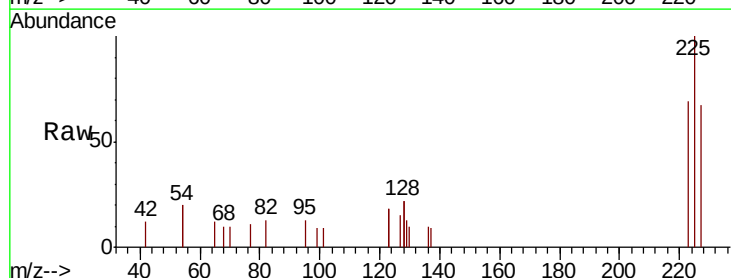
Tgt Ion:225 Resp: 774

Ion Ratio Lower Upper

225 100

223 70.0 49.4 74.0

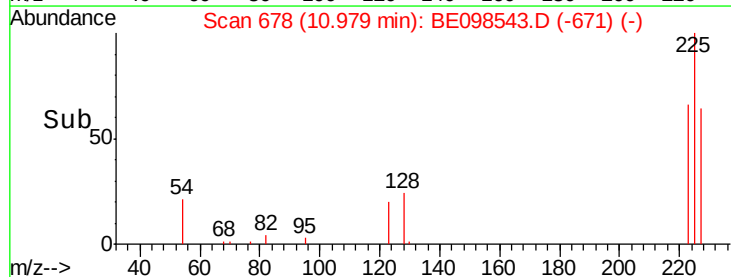
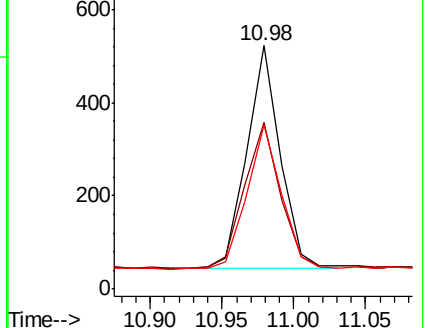
227 66.5 52.0 78.0

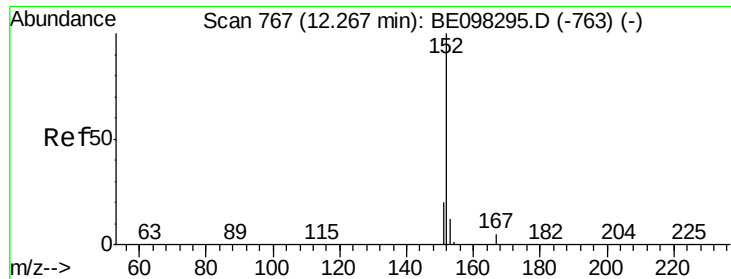


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

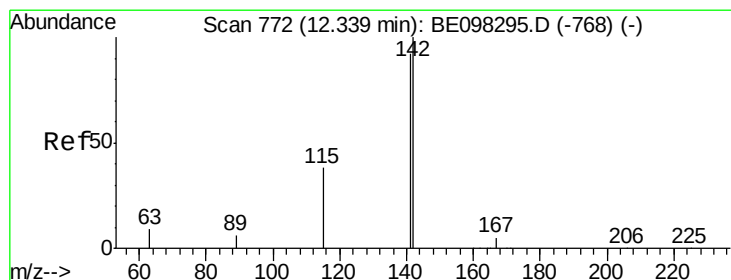
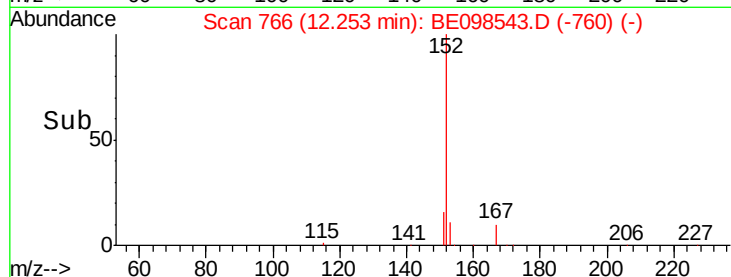
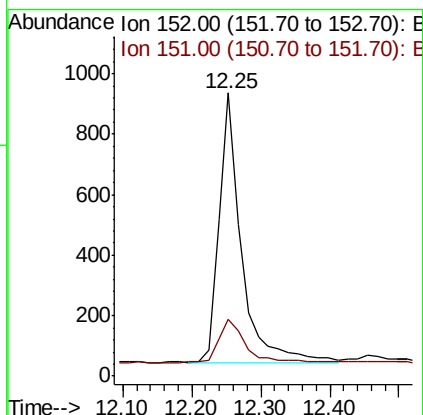
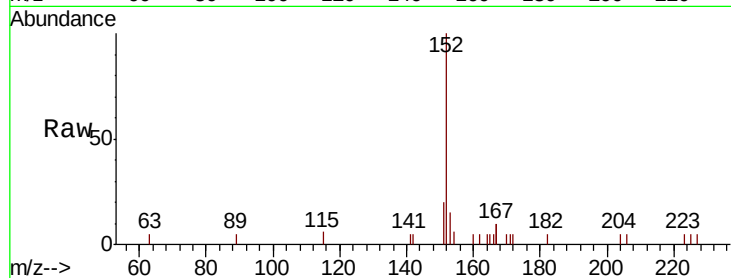




#11
 2-Methylnaphthalene-d10
 Concen: 0.442 ng
 RT: 12.25 min Scan# 766
 Delta R.T. -0.01 min
 Lab File: BE098543.D
 Acq: 20 Dec 2018 17:35

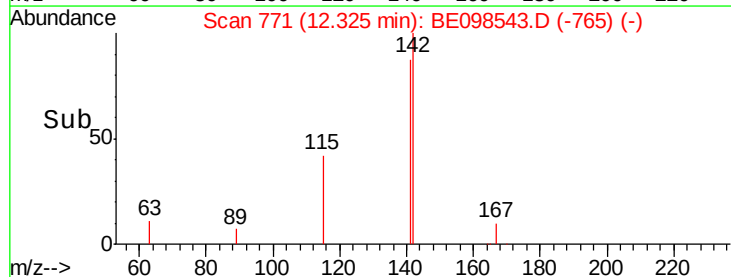
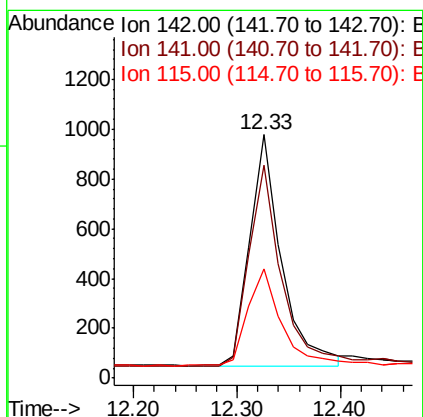
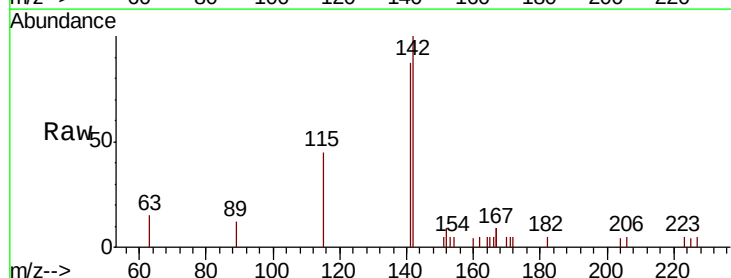
Instrument :
 BNA_E
 ClientSampleID :
 PB115810BS

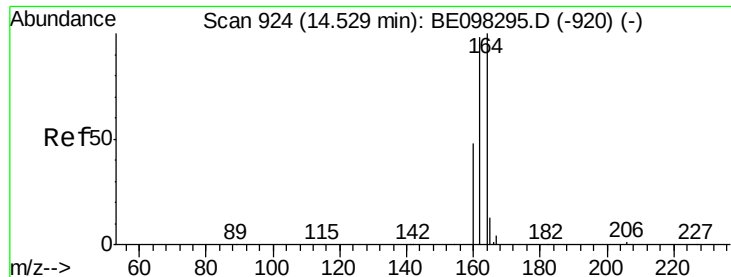
Tgt Ion:152 Resp: 2014
 Ion Ratio Lower Upper
 152 100
 151 19.1 16.2 24.4



#12
 2-Methylnaphthalene
 Concen: 0.436 ng
 RT: 12.33 min Scan# 771
 Delta R.T. -0.01 min
 Lab File: BE098543.D
 Acq: 20 Dec 2018 17:35

Tgt Ion:142 Resp: 1994
 Ion Ratio Lower Upper
 142 100
 141 87.2 71.0 106.6
 115 44.7 32.2 48.2

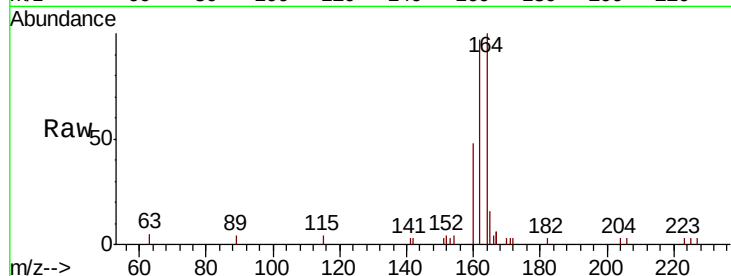




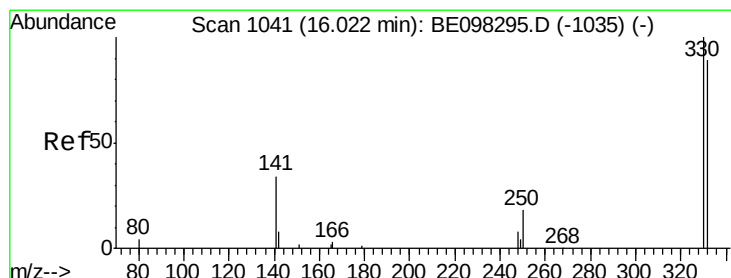
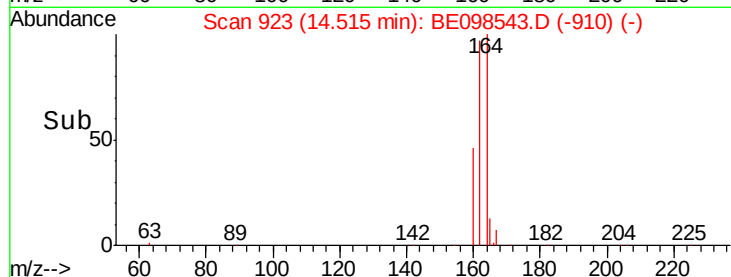
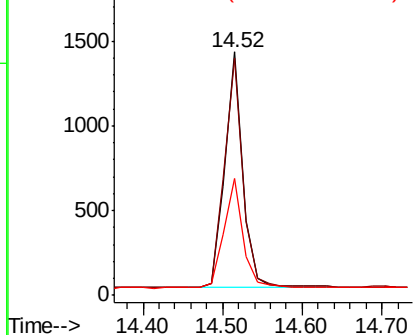
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.52 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: BE098543.D
 Acq: 20 Dec 2018 17:35

Instrument :
 BNA_E
 ClientSampleId :
 PB115810BS

Tgt Ion:164 Resp: 2191
 Ion Ratio Lower Upper
 164 100
 162 97.5 77.6 116.4
 160 47.8 36.0 54.0

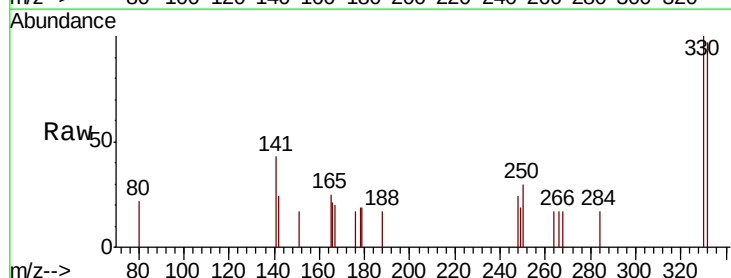


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

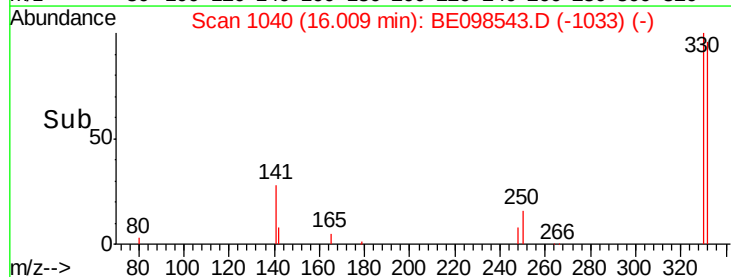
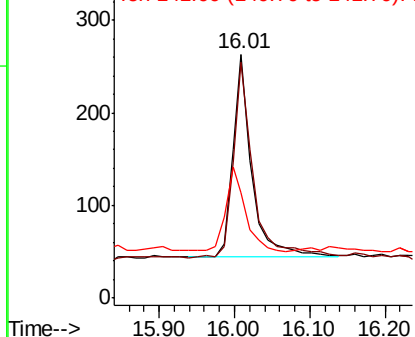


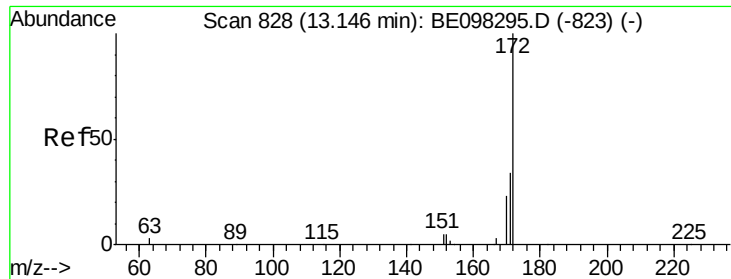
#14
 2,4,6-Tribromophenol
 Concen: 0.484 ng
 RT: 16.01 min Scan# 1040
 Delta R.T. -0.01 min
 Lab File: BE098543.D
 Acq: 20 Dec 2018 17:35

Tgt Ion:330 Resp: 389
 Ion Ratio Lower Upper
 330 100
 332 103.9 76.2 114.4
 141 44.5 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

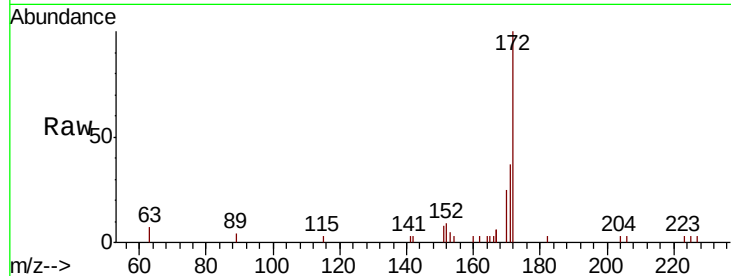




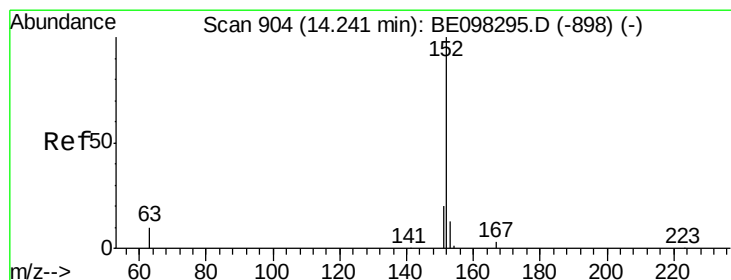
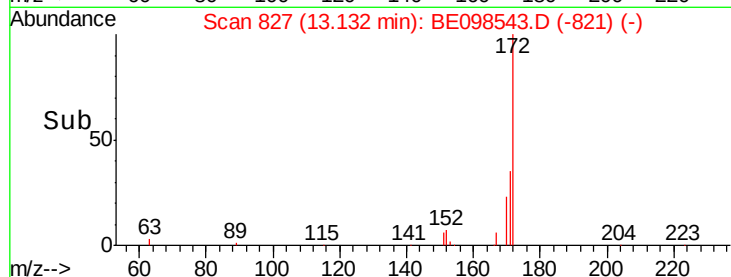
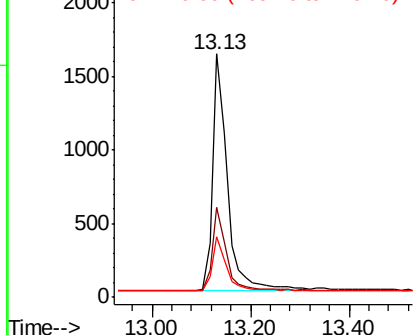
#15
2-Fluorobiphenyl
Concen: 0.364 ng
RT: 13.13 min Scan# 827
Delta R.T. -0.01 min
Lab File: BE098543.D
Acq: 20 Dec 2018 17:35

Instrument :
BNA_E
ClientSampleId :
PB115810BS

Tgt Ion:172 Resp: 3366
Ion Ratio Lower Upper
172 100
171 36.8 27.5 41.3
170 25.0 19.6 29.4

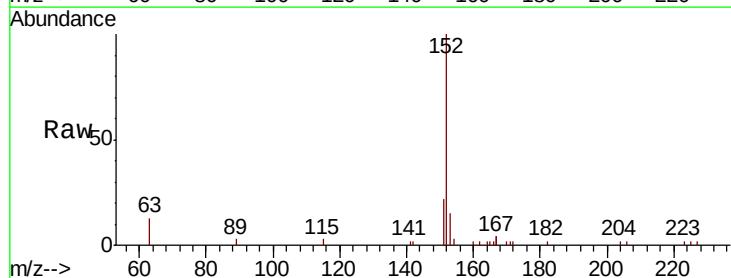


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

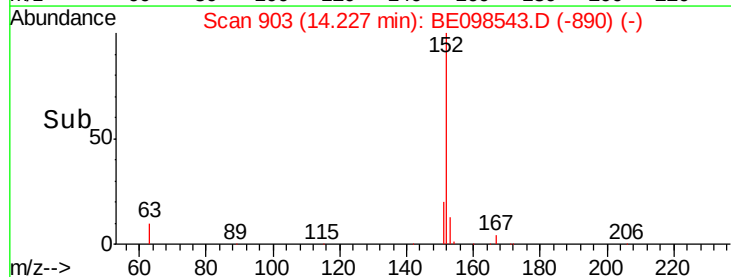
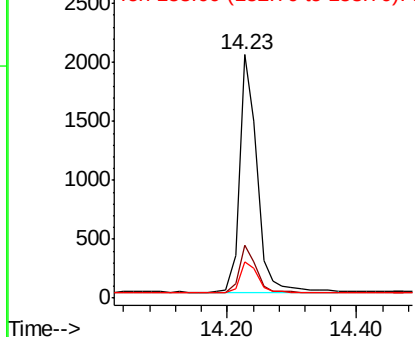


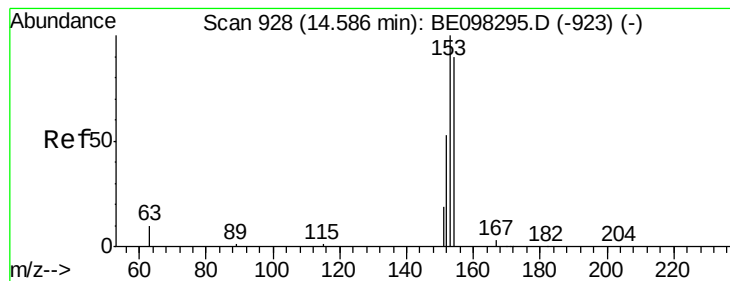
#16
Acenaphthylene
Concen: 0.368 ng
RT: 14.23 min Scan# 903
Delta R.T. -0.01 min
Lab File: BE098543.D
Acq: 20 Dec 2018 17:35

Tgt Ion:152 Resp: 3774
Ion Ratio Lower Upper
152 100
151 20.0 15.5 23.3
153 13.7 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: 0.405 ng

RT: 14.57 min Scan# 927

Delta R.T. -0.01 min

Lab File: BE098543.D

Acq: 20 Dec 2018 17:35

Instrument :

BNA_E

ClientSampleId :

PB115810BS

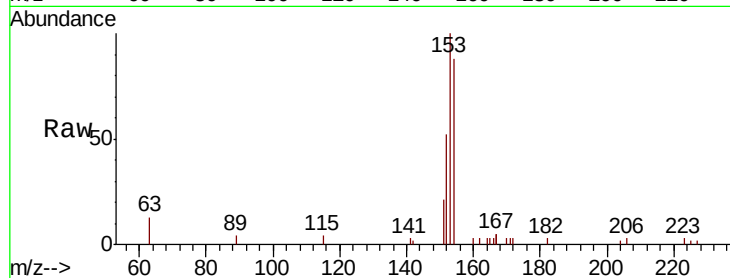
Tgt Ion:154 Resp: 2500

Ion Ratio Lower Upper

154 100

153 113.7 91.8 137.6

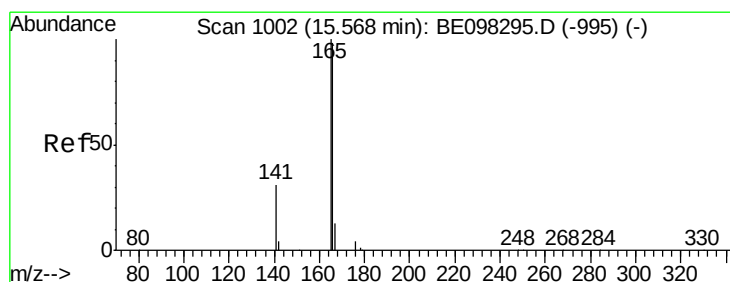
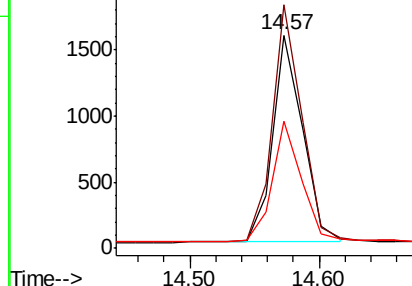
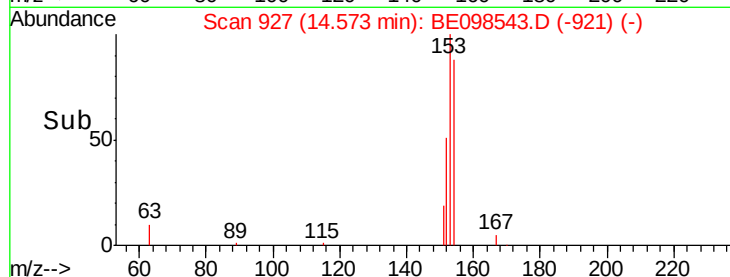
152 57.0 45.5 68.3



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: 0.424 ng

RT: 15.55 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BE098543.D

Acq: 20 Dec 2018 17:35

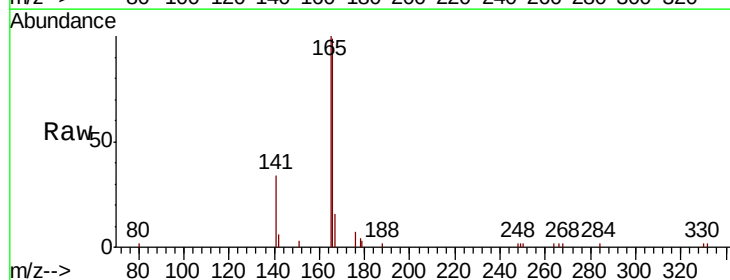
Tgt Ion:166 Resp: 3499

Ion Ratio Lower Upper

166 100

165 100.5 79.3 118.9

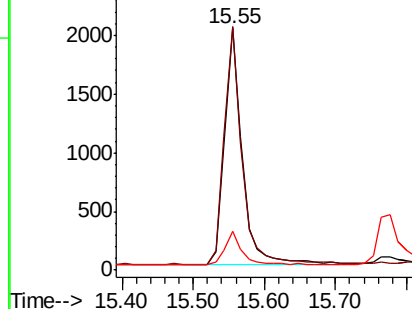
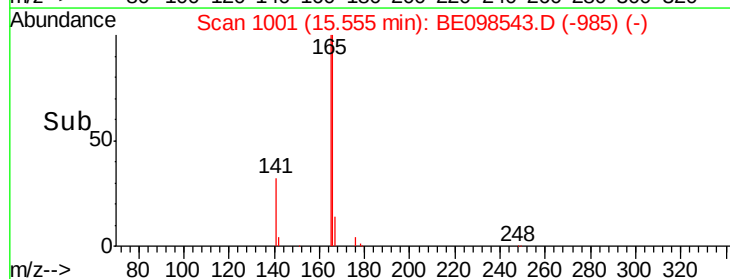
167 13.5 11.3 16.9

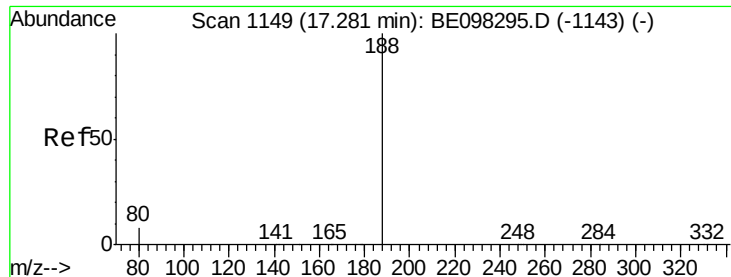


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE098543.D

Acq: 20 Dec 2018 17:35

Instrument :

BNA_E

ClientSampleId :

PB115810BS

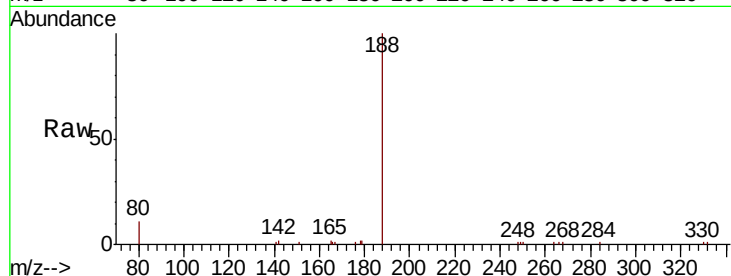
Tgt Ion:188 Resp: 6646

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

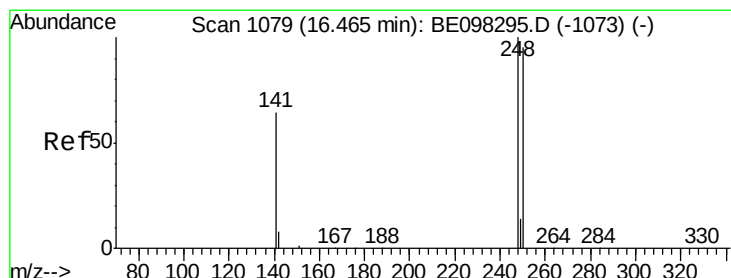
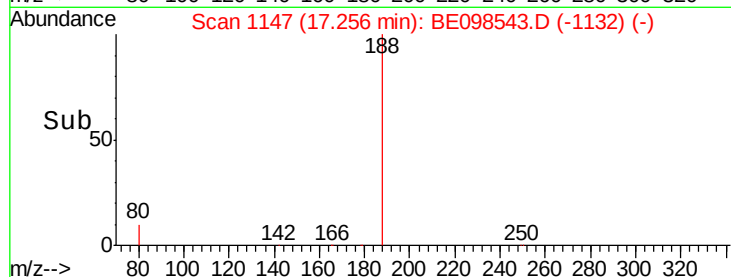
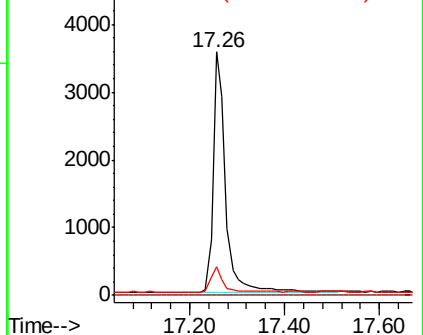
80 11.5 7.2 10.8#



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: 0.364 ng

RT: 16.45 min Scan# 1078

Delta R.T. -0.01 min

Lab File: BE098543.D

Acq: 20 Dec 2018 17:35

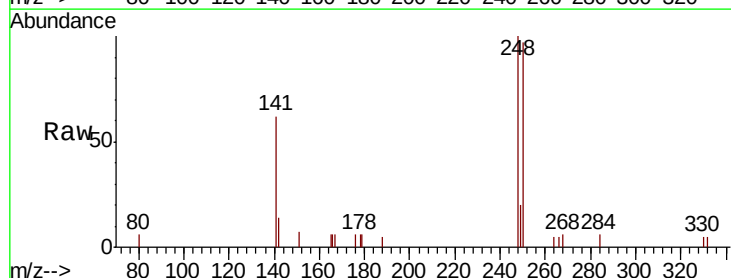
Tgt Ion:248 Resp: 1302

Ion Ratio Lower Upper

248 100

250 97.5 71.0 106.6

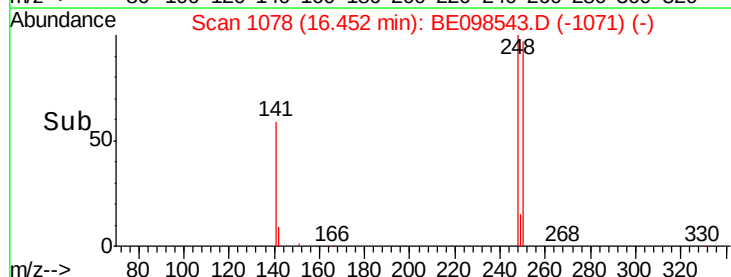
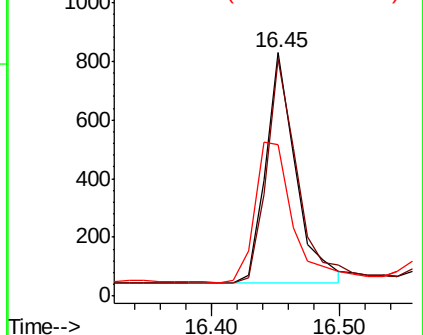
141 62.1 62.1 93.1

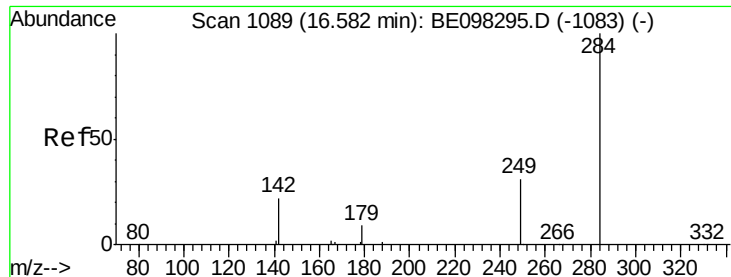


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

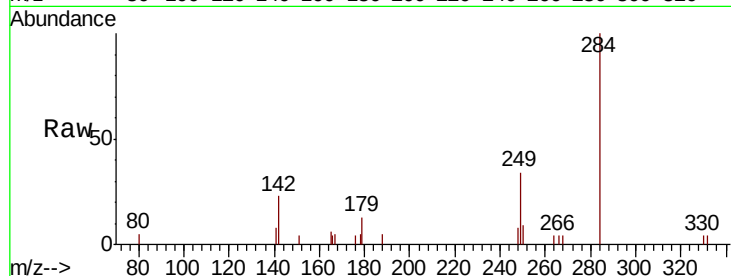




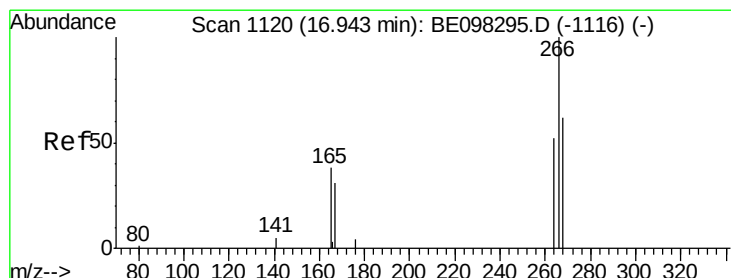
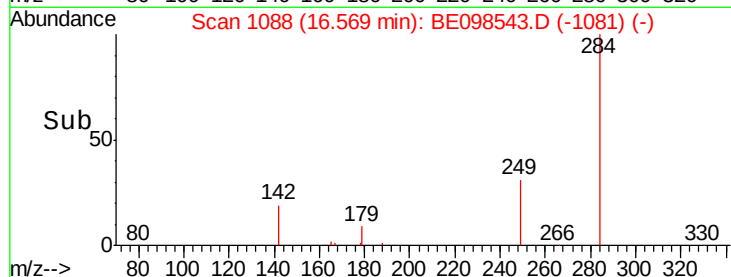
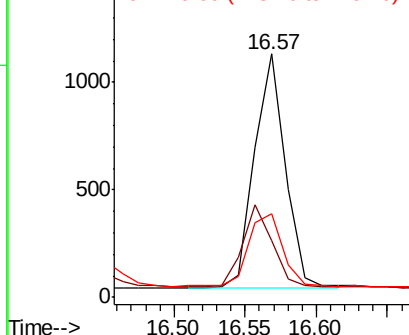
#21
Hexachlorobenzene
Concen: 0.423 ng
RT: 16.57 min Scan# 1088
Delta R.T. -0.01 min
Lab File: BE098543.D
Acq: 20 Dec 2018 17:35

Instrument :
BNA_E
ClientSampleId :
PB115810BS

Tgt Ion	Ratio	Lower	Upper
284	100		
142	33.9	26.3	39.5
249	33.7	26.0	39.0

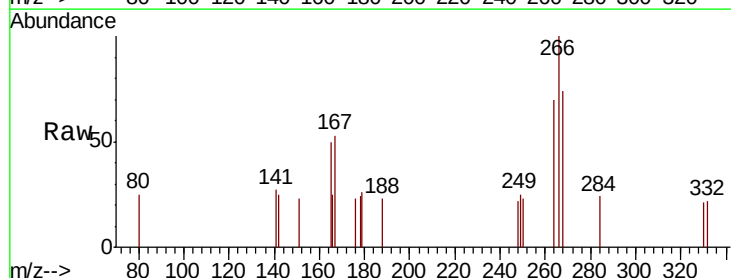


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

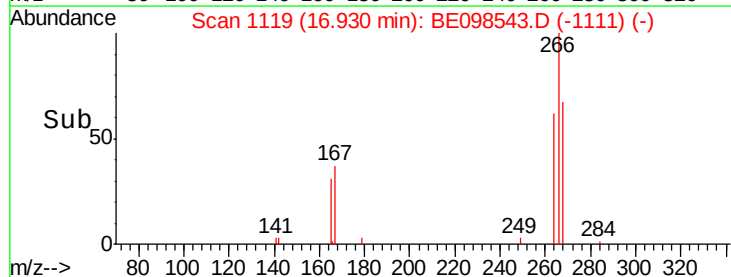
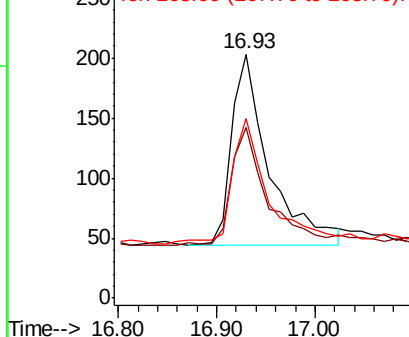


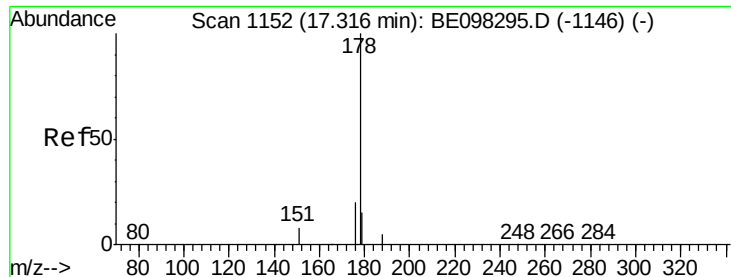
#22
Pentachlorophenol
Concen: 0.630 ng
RT: 16.93 min Scan# 1119
Delta R.T. -0.01 min
Lab File: BE098543.D
Acq: 20 Dec 2018 17:35

Tgt Ion	Ratio	Lower	Upper
266	100		
264	70.0	59.0	88.4
268	73.9	55.1	82.7



Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.405 ng

RT: 17.30 min Scan# 1151

Delta R.T. -0.01 min

Lab File: BE098543.D

Acq: 20 Dec 2018 17:35

Instrument :

BNA_E

ClientSampleId :

PB115810BS

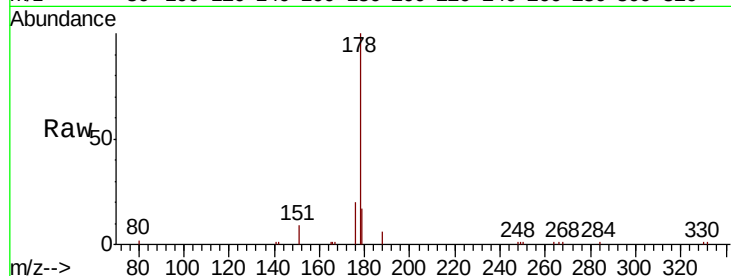
Tgt Ion:178 Resp: 6542

Ion Ratio Lower Upper

178 100

176 19.7 15.9 23.9

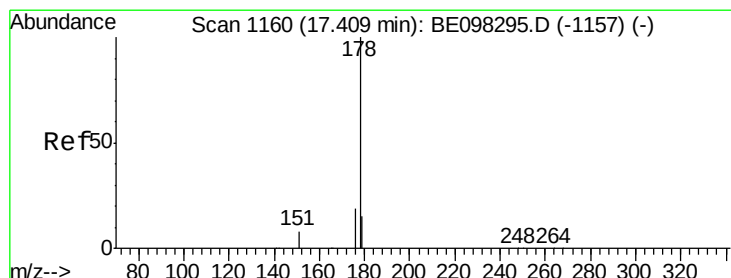
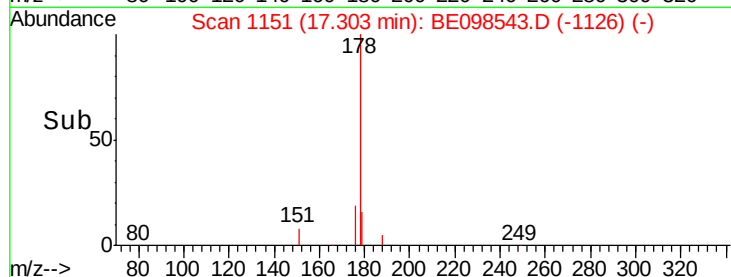
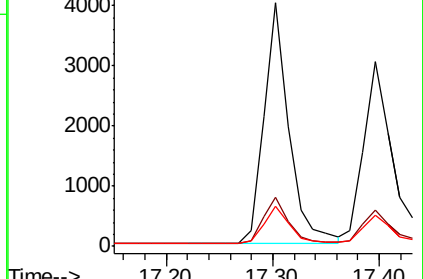
179 15.9 12.3 18.5



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: 0.366 ng

RT: 17.40 min Scan# 1159

Delta R.T. -0.01 min

Lab File: BE098543.D

Acq: 20 Dec 2018 17:35

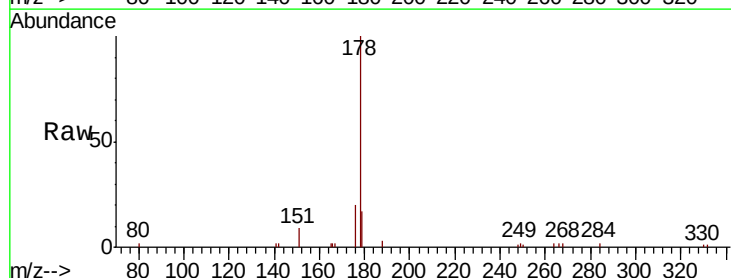
Tgt Ion:178 Resp: 5268

Ion Ratio Lower Upper

178 100

176 19.5 15.0 22.4

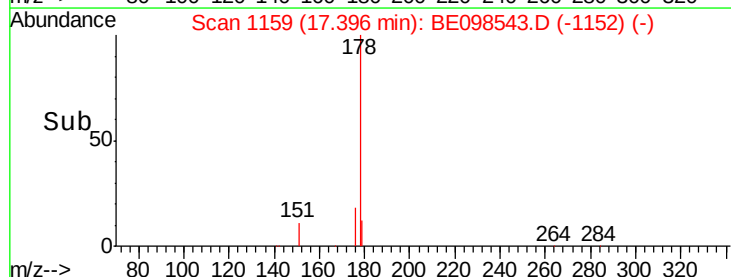
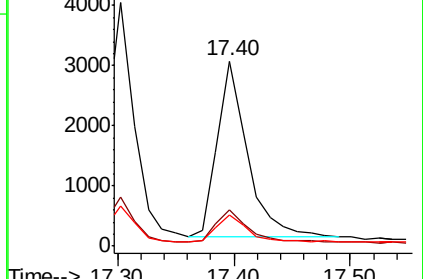
179 15.3 12.3 18.5

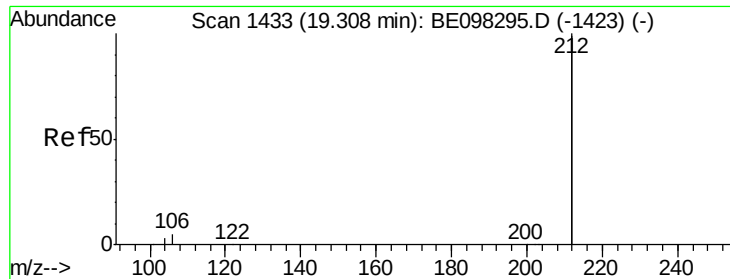


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

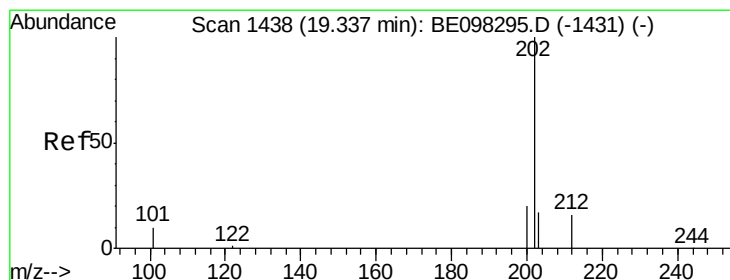
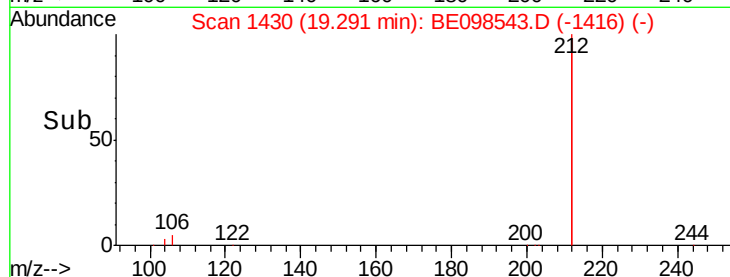
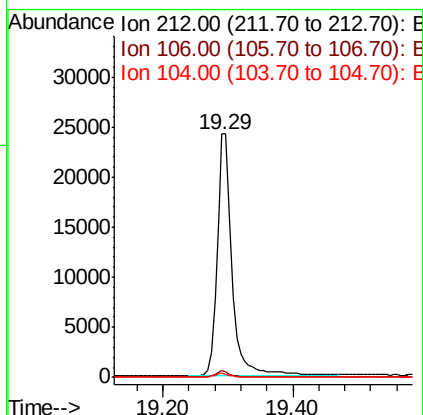
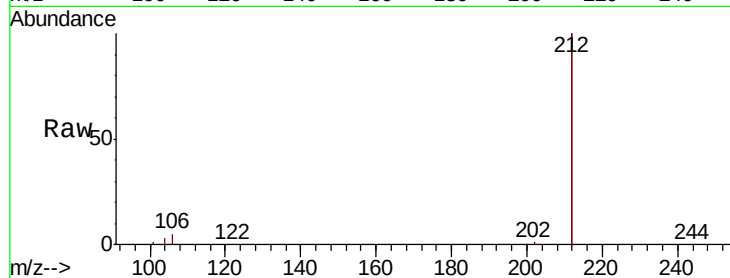




#25
 Fluoranthene-d10
 Concen: 0.460 ng
 RT: 19.29 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BE098543.D
 Acq: 20 Dec 2018 17:35

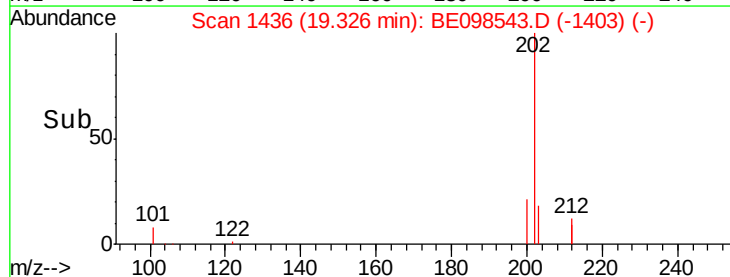
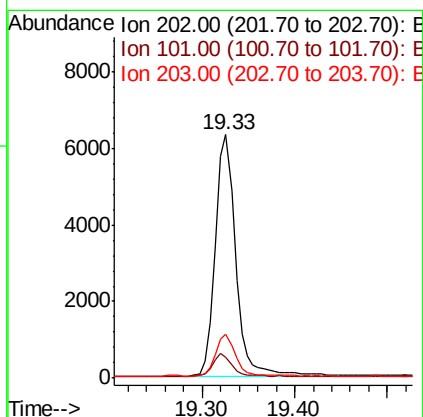
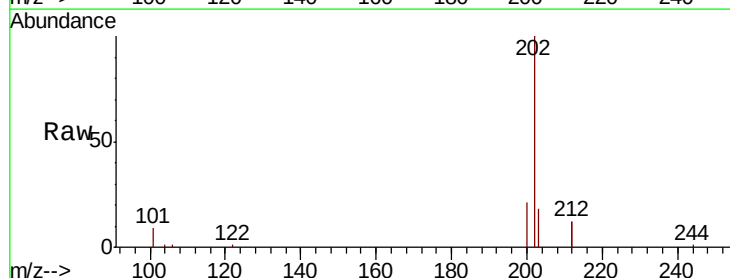
Instrument :
 BNA_E
 ClientSampleId :
 PB115810BS

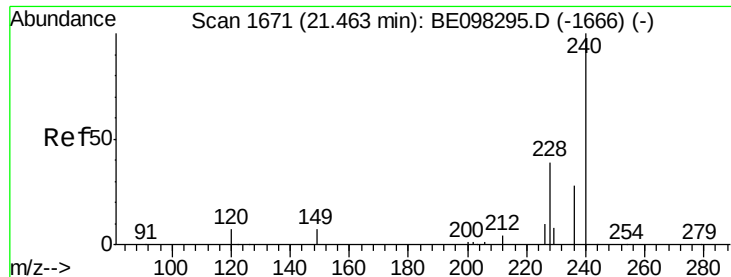
Tgt Ion: 212 Resp: 39183
 Ion Ratio Lower Upper
 212 100
 106 2.3 2.2 3.2
 104 1.3 1.3 1.9



#26
 Fluoranthene
 Concen: 0.452 ng
 RT: 19.33 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: BE098543.D
 Acq: 20 Dec 2018 17:35

Tgt Ion: 202 Resp: 9660
 Ion Ratio Lower Upper
 202 100
 101 8.9 8.0 12.0
 203 16.6 13.8 20.6

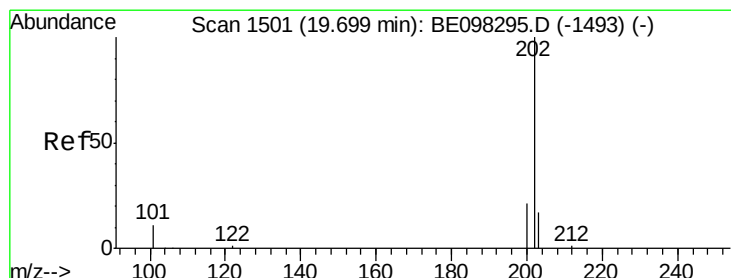
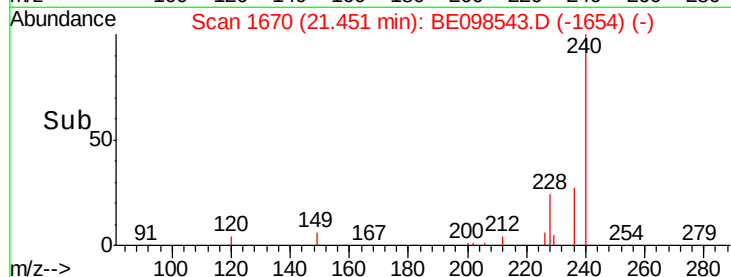
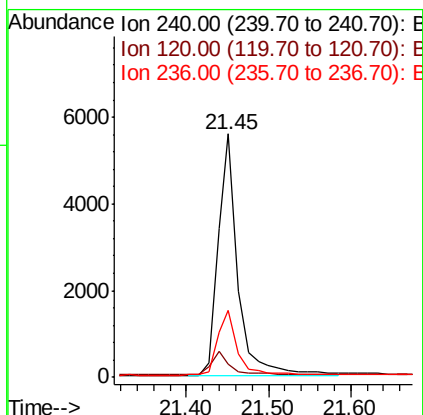
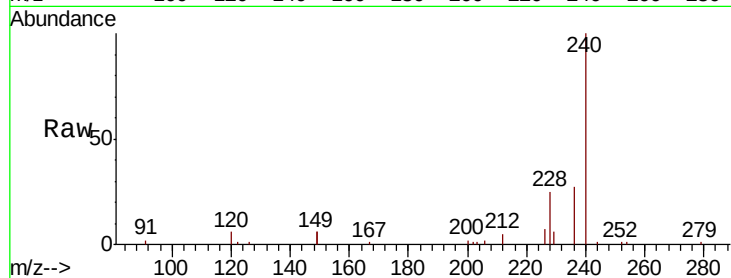




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.45 min Scan# 1670
Delta R.T. -0.01 min
Lab File: BE098543.D
Acq: 20 Dec 2018 17:35

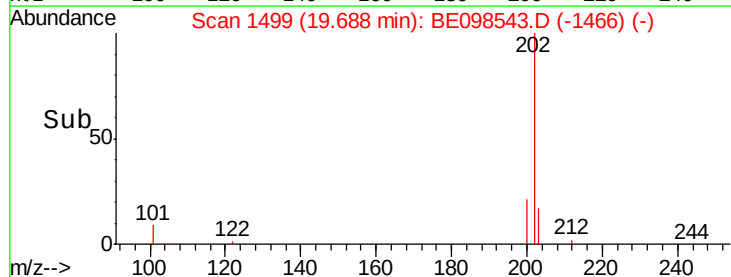
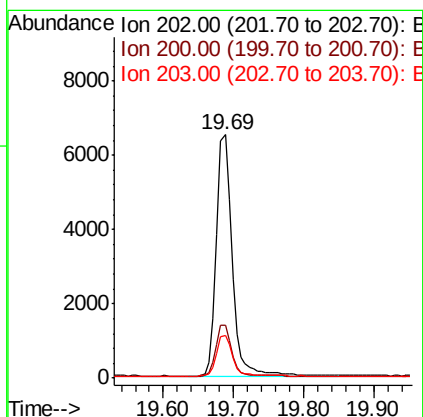
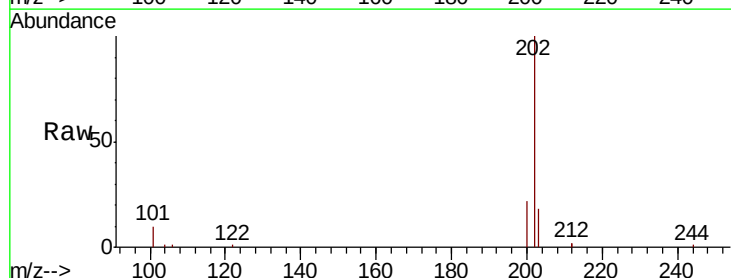
Instrument :
BNA_E
ClientSampleId :
PB115810BS

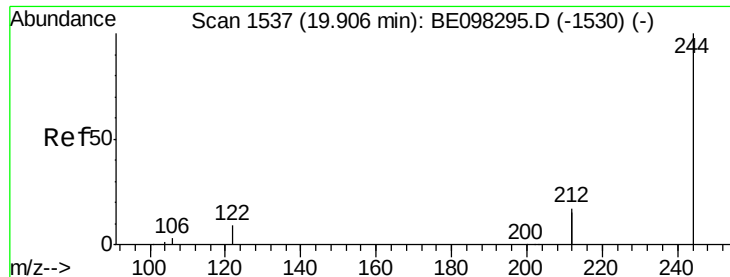
Tgt Ion:240 Resp: 9359
Ion Ratio Lower Upper
240 100
120 5.7 9.5 14.3#
236 27.3 22.7 34.1



#28
Pyrene
Concen: 0.347 ng
RT: 19.69 min Scan# 1499
Delta R.T. -0.01 min
Lab File: BE098543.D
Acq: 20 Dec 2018 17:35

Tgt Ion:202 Resp: 10188
Ion Ratio Lower Upper
202 100
200 21.2 16.7 25.1
203 17.0 14.1 21.1





#29

Terphenyl-d14

Concen: 0.351 ng

RT: 19.89 min Scan# 1535

Delta R.T. -0.01 min

Lab File: BE098543.D

Acq: 20 Dec 2018 17:35

Instrument :

BNA_E

ClientSampleId :

PB115810BS

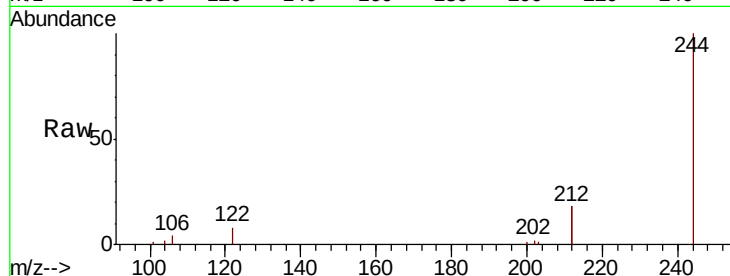
Tgt Ion:244 Resp: 7992

Ion Ratio Lower Upper

244 100

212 35.2 27.4 41.0

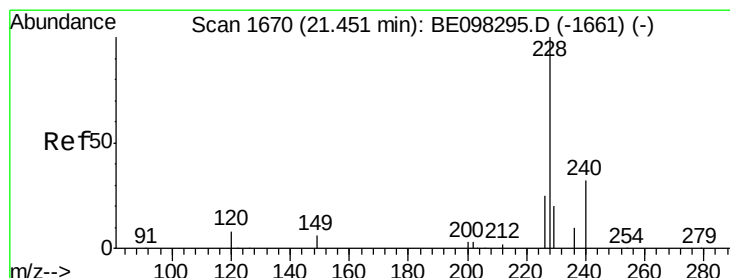
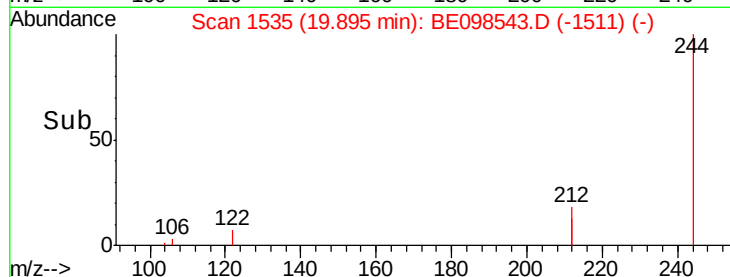
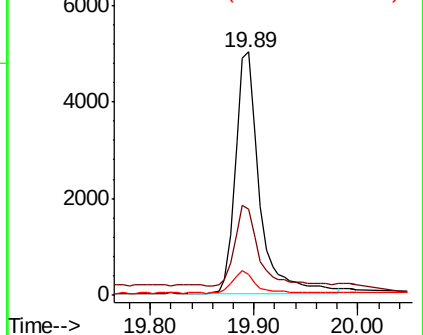
122 8.4 8.3 12.5



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: 0.391 ng

RT: 21.43 min Scan# 1668

Delta R.T. -0.02 min

Lab File: BE098543.D

Acq: 20 Dec 2018 17:35

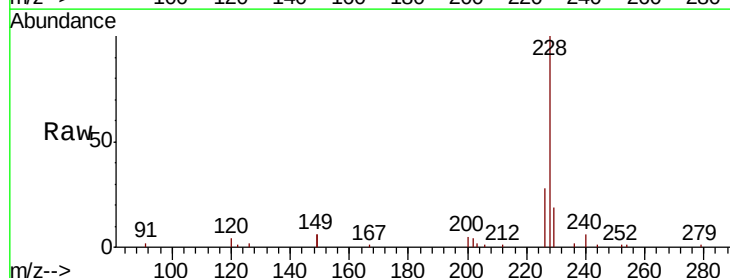
Tgt Ion:228 Resp: 10423

Ion Ratio Lower Upper

228 100

226 27.7 21.8 32.8

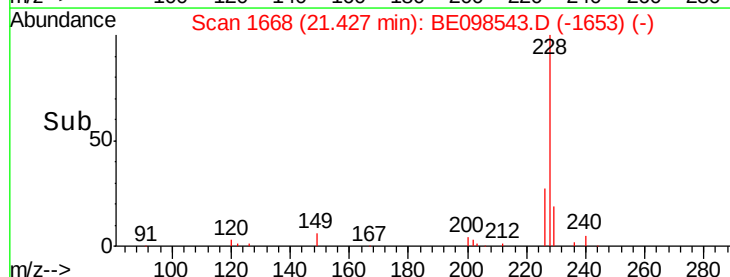
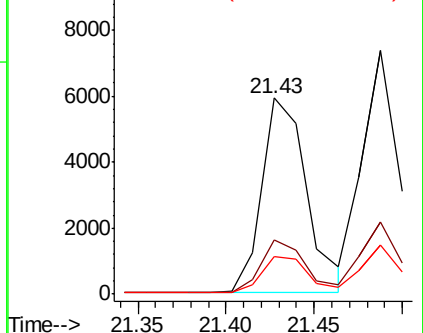
229 19.4 16.3 24.5

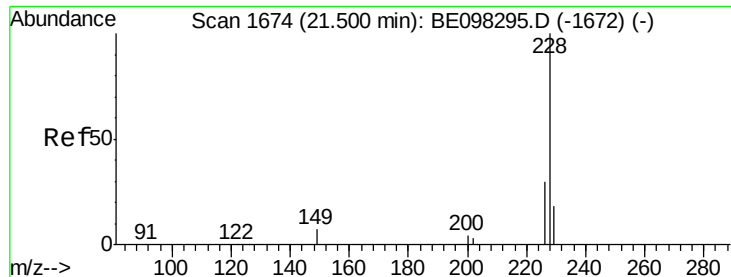


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.395 ng

RT: 21.49 min Scan# 1673

Delta R.T. -0.01 min

Lab File: BE098543.D

Acq: 20 Dec 2018 17:35

Instrument :

BNA_E

ClientSampleId :

PB115810BS

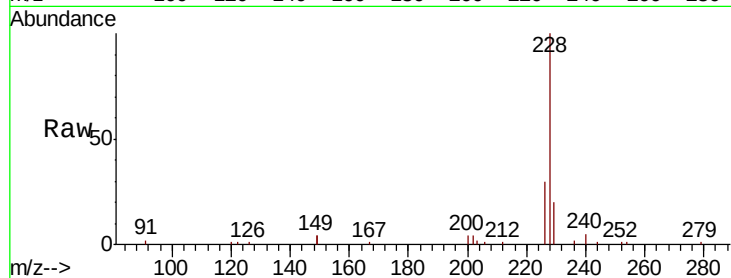
Tgt Ion:228 Resp: 11032

Ion Ratio Lower Upper

228 100

226 29.8 23.4 35.0

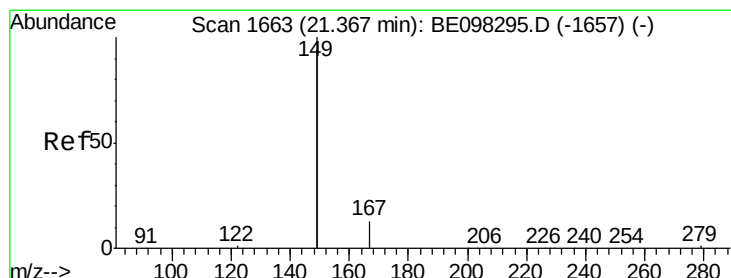
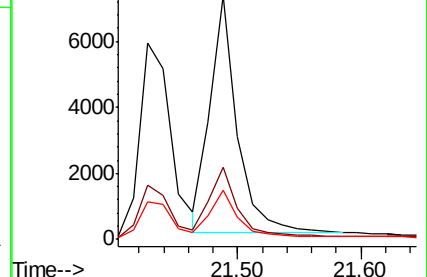
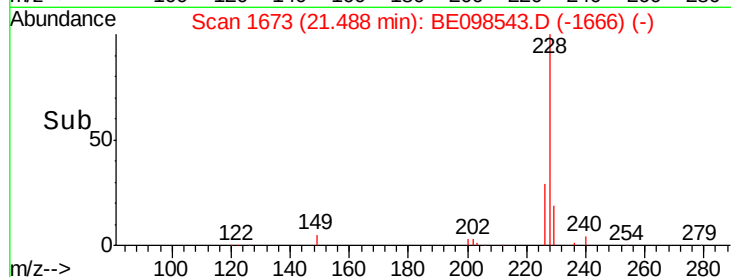
229 20.0 16.2 24.4



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: 0.360 ng

RT: 21.35 min Scan# 1662

Delta R.T. -0.01 min

Lab File: BE098543.D

Acq: 20 Dec 2018 17:35

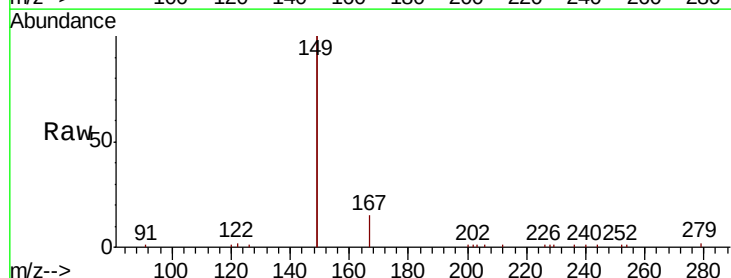
Tgt Ion:149 Resp: 19496

Ion Ratio Lower Upper

149 100

167 6.9 5.7 8.5

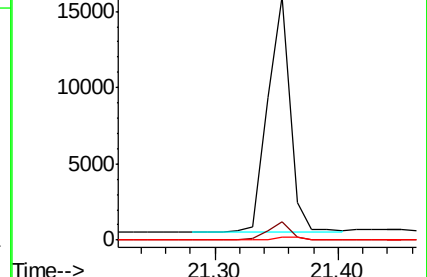
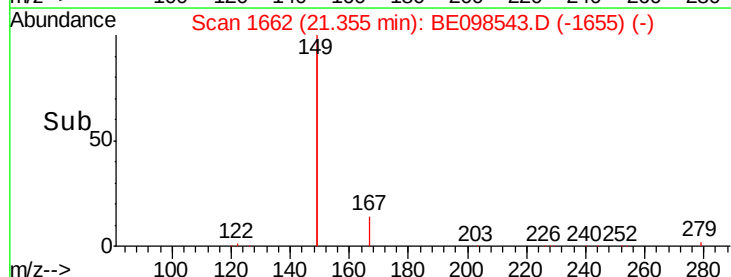
279 1.0 1.0 1.4

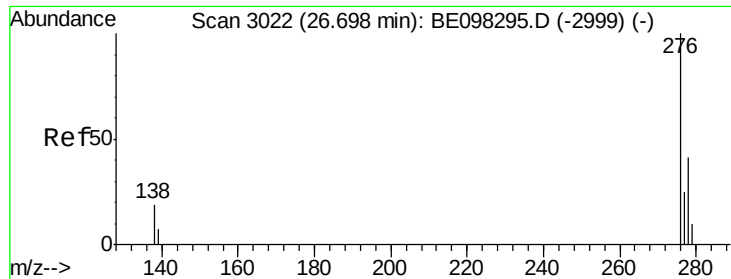


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

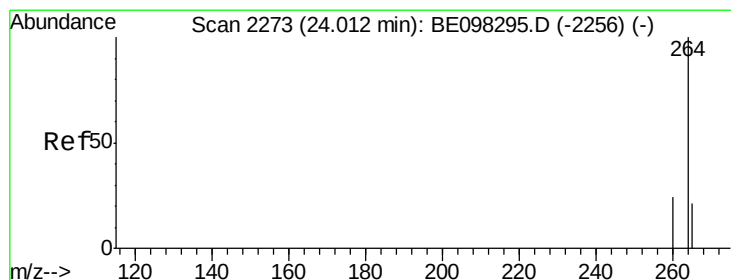
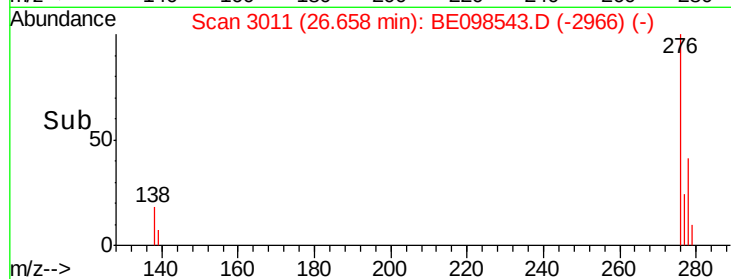
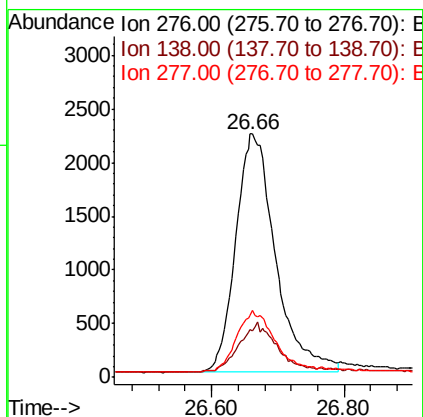
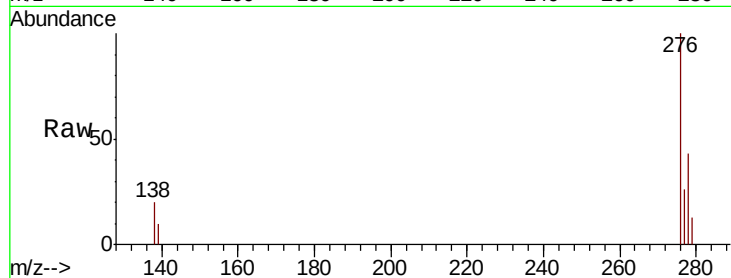




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.335 ng
 RT: 26.66 min Scan# 3011
 Delta R.T. -0.04 min
 Lab File: BE098543.D
 Acq: 20 Dec 2018 17:35

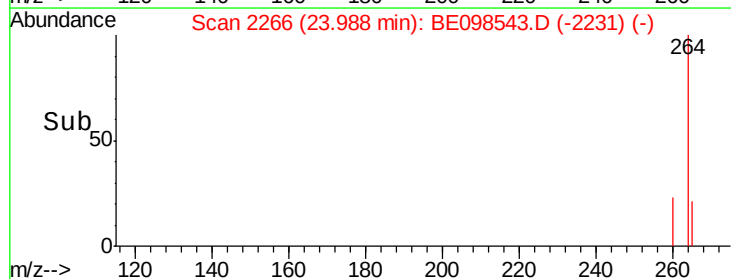
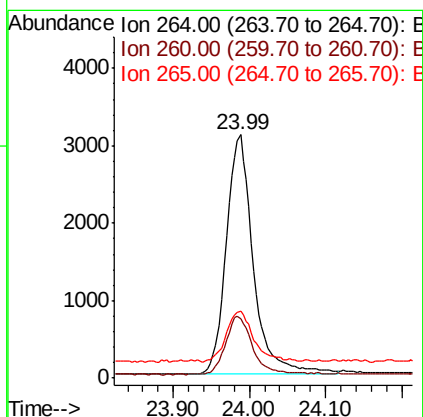
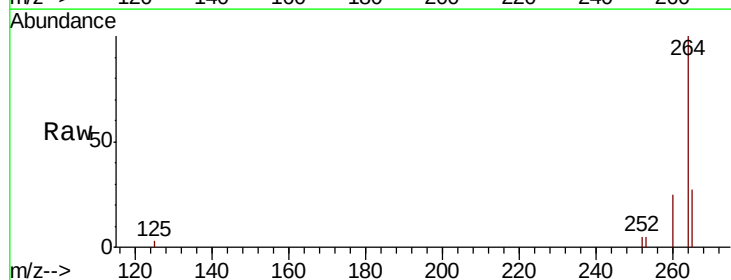
Instrument :
 BNA_E
 ClientSampleId :
 PB115810BS

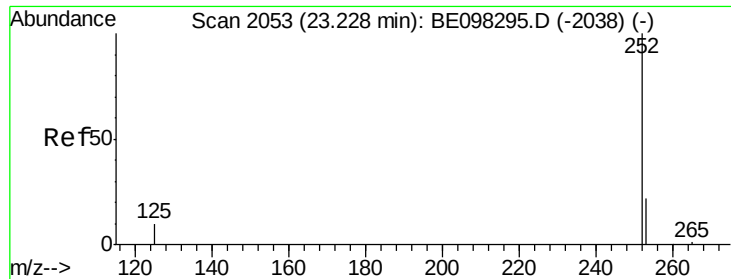
Tgt Ion:276 Resp: 9299
 Ion Ratio Lower Upper
 276 100
 138 19.8 16.3 24.5
 277 24.9 20.2 30.4



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.99 min Scan# 2266
 Delta R.T. -0.02 min
 Lab File: BE098543.D
 Acq: 20 Dec 2018 17:35

Tgt Ion:264 Resp: 7616
 Ion Ratio Lower Upper
 264 100
 260 24.5 20.2 30.2
 265 27.4 25.2 37.8





#35

Benzo(b)fluoranthene

Concen: 0.438 ng

RT: 23.21 min Scan# 2047

Delta R.T. -0.02 min

Lab File: BE098543.D

Acq: 20 Dec 2018 17:35

Instrument :

BNA_E

ClientSampleId :

PB115810BS

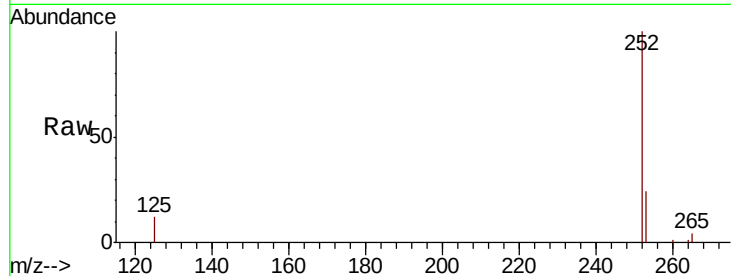
Tgt Ion:252 Resp: 9128

Ion Ratio Lower Upper

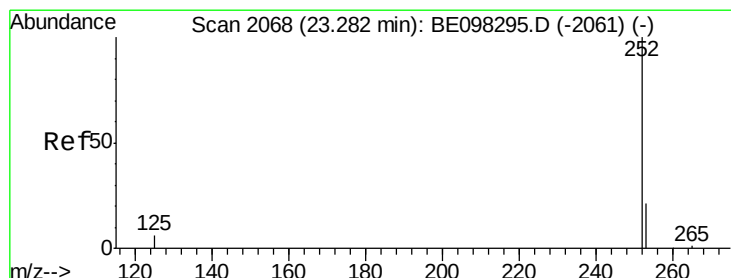
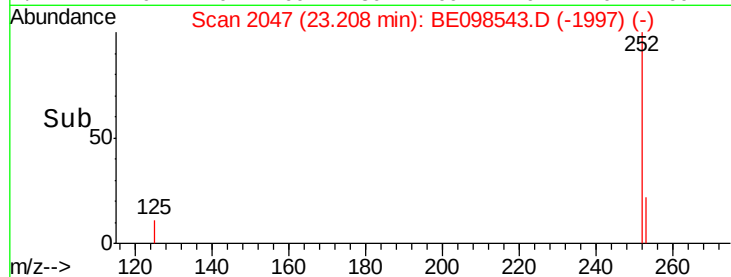
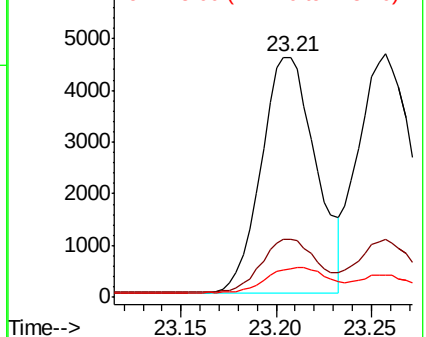
252 100

253 24.4 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: 0.376 ng

RT: 23.21 min Scan# 2047

Delta R.T. -0.07 min

Lab File: BE098543.D

Acq: 20 Dec 2018 17:35

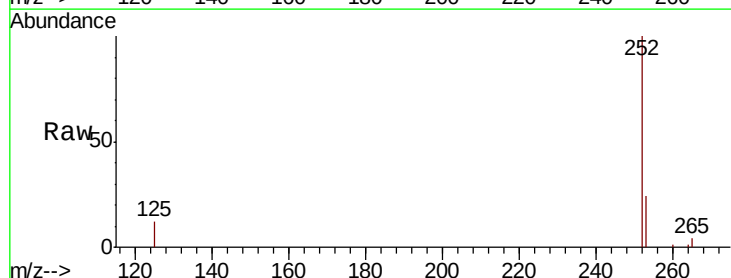
Tgt Ion:252 Resp: 9128

Ion Ratio Lower Upper

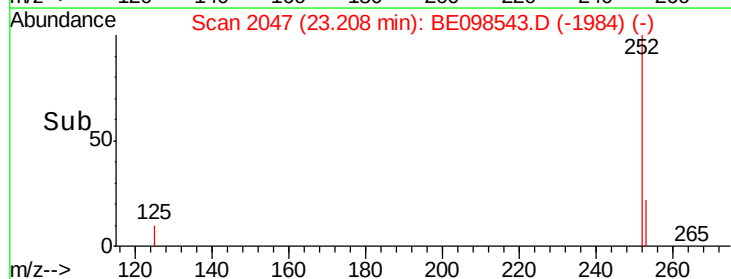
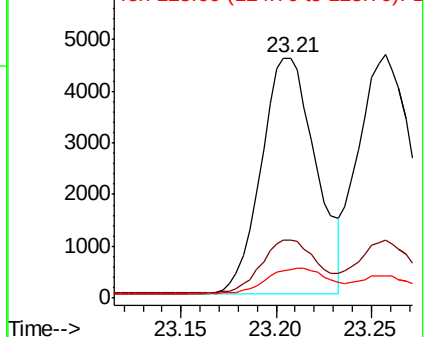
252 100

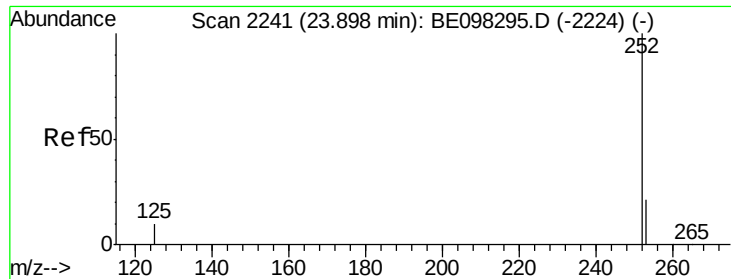
253 24.4 19.0 28.6

125 12.1 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: 0.403 ng

RT: 23.87 min Scan# 2233

Delta R.T. -0.03 min

Lab File: BE098543.D

Acq: 20 Dec 2018 17:35

Instrument :

BNA_E

ClientSampleId :

PB115810BS

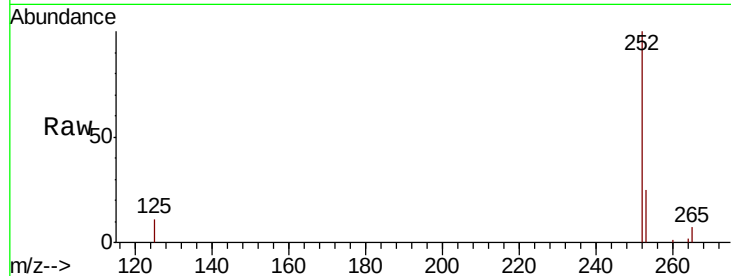
Tgt Ion: 252 Resp: 8669

Ion Ratio Lower Upper

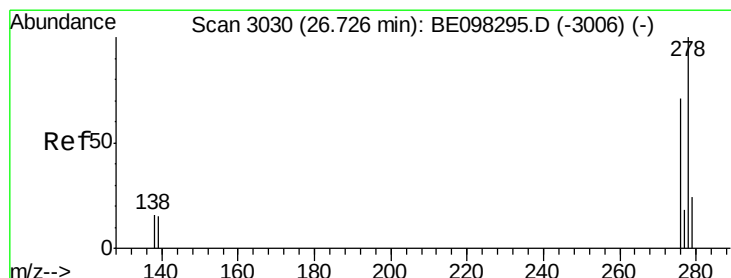
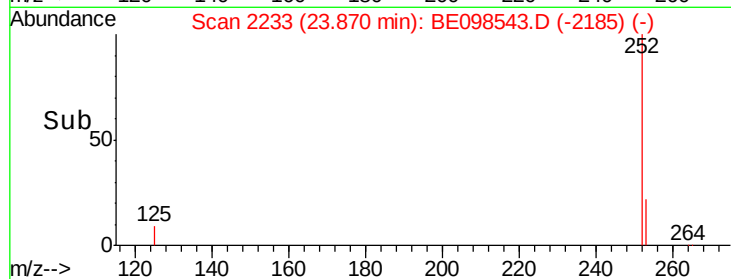
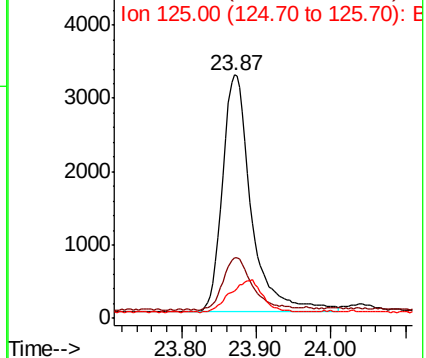
252 100

253 24.7 20.6 30.8

125 11.1 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: 0.382 ng

RT: 26.68 min Scan# 3018

Delta R.T. -0.04 min

Lab File: BE098543.D

Acq: 20 Dec 2018 17:35

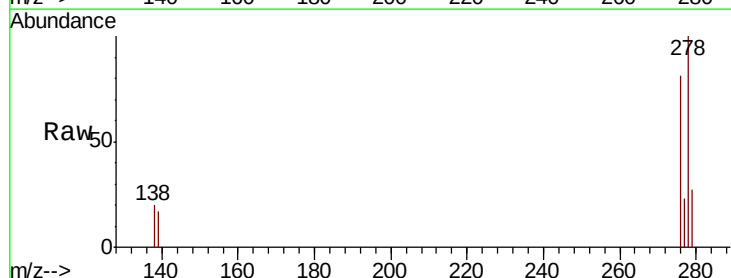
Tgt Ion: 278 Resp: 7724

Ion Ratio Lower Upper

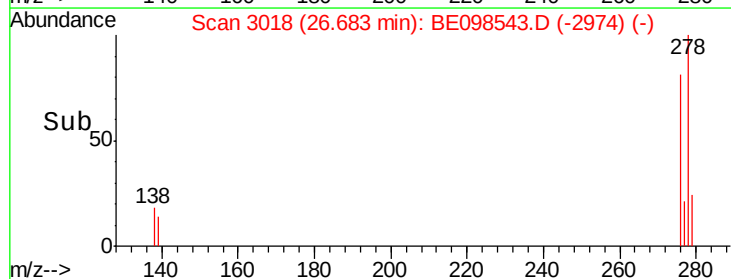
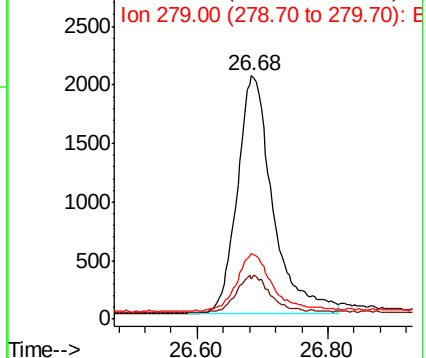
278 100

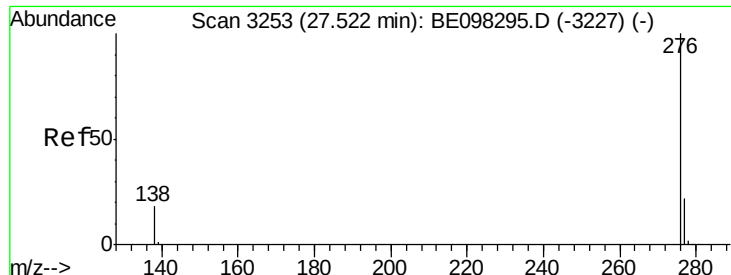
139 16.6 14.5 21.7

279 26.8 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(g,h,i)perylene

Concen: 0.388 ng

RT: 27.48 min Scan# 3241

Delta R.T. -0.04 min

Lab File: BE098543.D

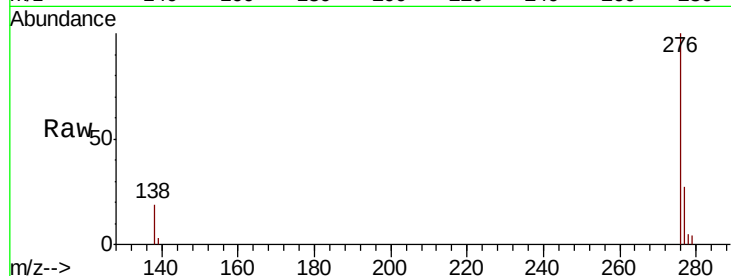
Acq: 20 Dec 2018 17:35

Instrument :

BNA_E

ClientSampleId :

PB115810BS



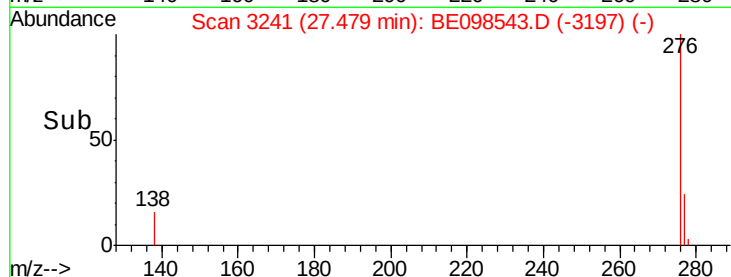
Tgt Ion: 276 Resp: 7916

Ion Ratio Lower Upper

276 100

277 26.6 20.8 31.2

138 18.6 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

