

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE121518\
 Data File : BE098469.D
 Acq On : 15 Dec 2018 13:09
 Operator : SJ/JU
 Sample : PB115689BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB115689BS

Quant Time: Dec 16 02:33:22 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	773	0.40	ng	0.00
7) Naphthalene-d8	10.65	136	3319	0.40	ng	-0.01
13) Acenaphthene-d10	14.51	164	1966	0.40	ng	-0.01
19) Phenanthrene-d10	17.27	188	5557	0.40	ng	-0.01
27) Chrysene-d12	21.46	240	7419	0.40	ng	0.00
34) Perylene-d12	24.00	264	6940	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.47	112	556	0.31	ng	0.02
5) Phenol-d6	7.06	99	696	0.27	ng	0.00
8) Nitrobenzene-d5	9.04	82	712	0.24	ng	0.03
11) 2-Methylnaphthalene-d10	12.27	152	1348	0.25	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	185	0.26	ng	0.01
15) 2-Fluorobiphenyl	13.15	172	1905	0.23	ng	0.00
25) Fluoranthene-d10	19.30	212	18100	0.25	ng	0.00
29) Terphenyl-d14	19.90	244	3297	0.18	ng	0.00

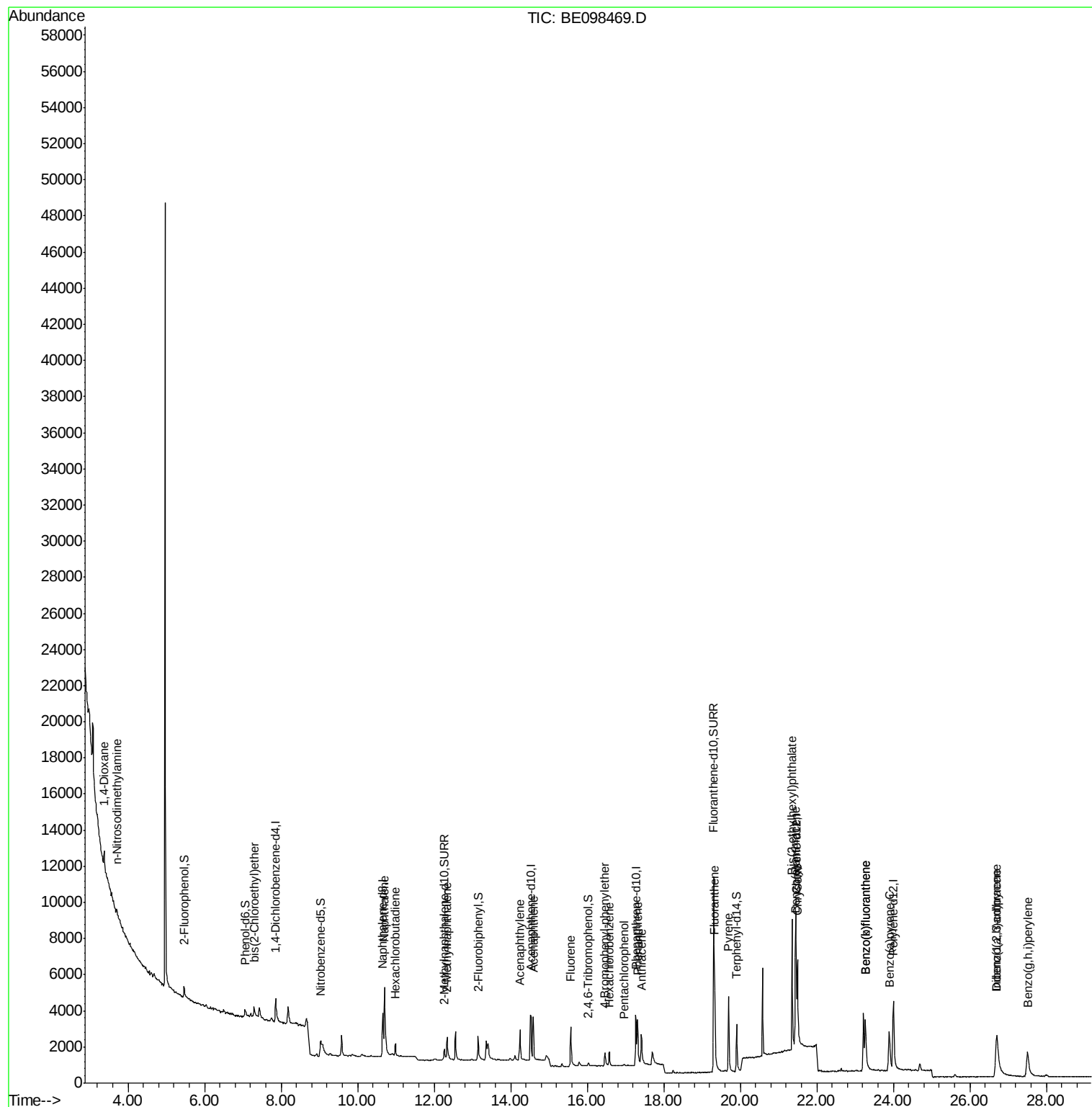
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.37	88	451	0.337	ng	# 75
3) n-Nitrosodimethylamine	3.70	42	296	0.246	ng	# 100
6) bis(2-Chloroethyl)ether	7.30	93	464	0.191	ng	84
9) Naphthalene	10.71	128	7997	0.239	ng	# 97
10) Hexachlorobutadiene	10.99	225	487	0.229	ng	95
12) 2-Methylnaphthalene	12.34	142	1224	0.226	ng	# 91
16) Acenaphthylene	14.24	152	2218	0.241	ng	98
17) Acenaphthene	14.59	154	1221	0.221	ng	96
18) Fluorene	15.57	166	1754	0.237	ng	98
20) 4-Bromophenyl-phenylether	16.46	248	532	0.178	ng	93
21) Hexachlorobenzene	16.58	284	687	0.214	ng	95
22) Pentachlorophenol	16.95	266	84	0.182	ng	# 80
23) Phenanthrene	17.31	178	3010	0.223	ng	99
24) Anthracene	17.41	178	2379	0.198	ng	99
26) Fluoranthene	19.33	202	4507	0.252	ng	98
28) Pyrene	19.69	202	4608	0.198	ng	100
30) Benzo(a)anthracene	21.44	228	4866	0.230	ng	97
31) Chrysene	21.50	228	4875	0.220	ng	97
32) Bis(2-ethylhexyl)phthalate	21.35	149	8191	0.191	ng	99
33) Indeno(1,2,3-cd)pyrene	26.69	276	5095	0.231	ng	# 81
35) Benzo(b)fluoranthene	23.27	252	5550	0.292	ng	98
36) Benzo(k)fluoranthene	23.27	252	5575	0.252	ng	96
37) Benzo(a)pyrene	23.88	252	4777	0.244	ng	# 94
38) Dibenzo(a,h)anthracene	26.71	278	3977	0.216	ng	# 88
39) Benzo(g,h,i)perylene	27.51	276	4458	0.240	ng	95

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

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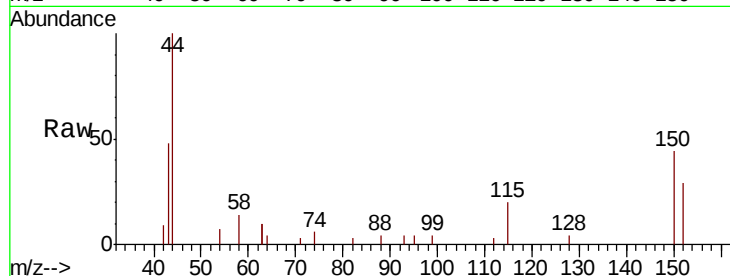


#1

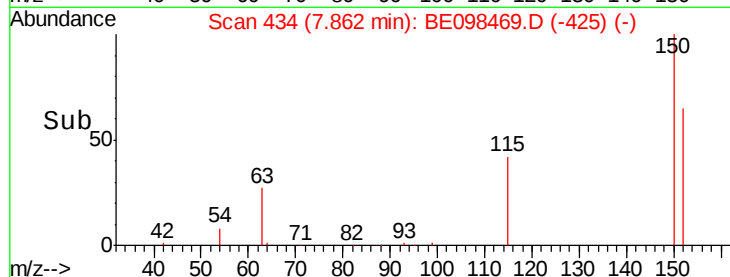
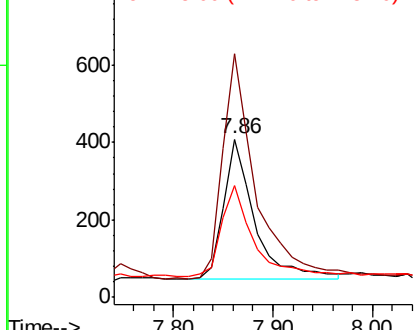
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. -0.00 min
Lab File: BE098469.D
Acq: 15 Dec 2018 13:09

Instrument :
BNA_E
ClientSampleId :
PB115689BS

Tgt Ion:152 Resp: 773
Ion Ratio Lower Upper
152 100
150 154.2 124.2 186.4
115 70.6 53.9 80.9



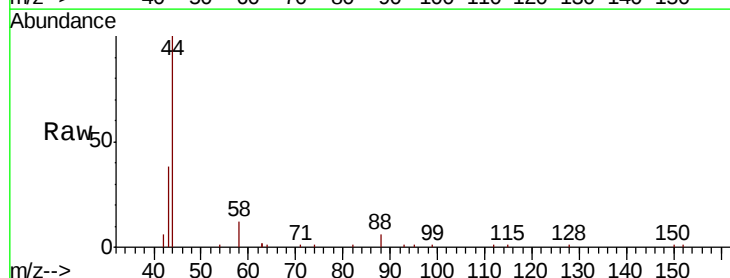
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



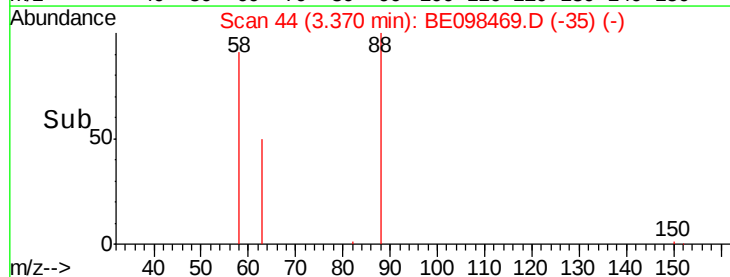
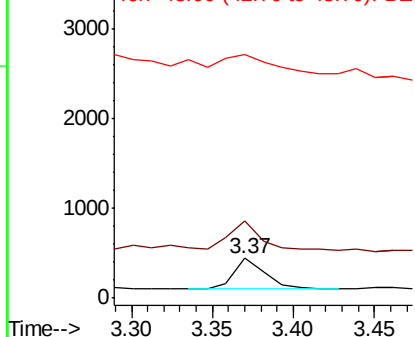
#2

1,4-Dioxane
Concen: 0.337 ng
RT: 3.37 min Scan# 44
Delta R.T. -0.00 min
Lab File: BE098469.D
Acq: 15 Dec 2018 13:09

Tgt Ion: 88 Resp: 451
Ion Ratio Lower Upper
88 100
58 94.5 75.0 112.6
43 97.1 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: 0.246 ng

RT: 3.70 min Scan# 73

Delta R.T. 0.01 min

Lab File: BE098469.D

Acq: 15 Dec 2018 13:09

Instrument :

BNA_E

ClientSampleId :

PB115689BS

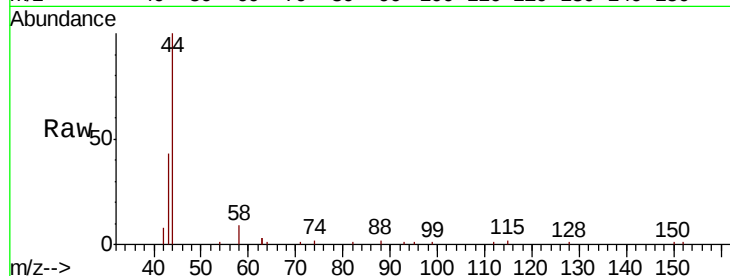
Tgt Ion: 42 Resp: 296

Ion Ratio Lower Upper

42 100

74 76.0 0.0 0.0#

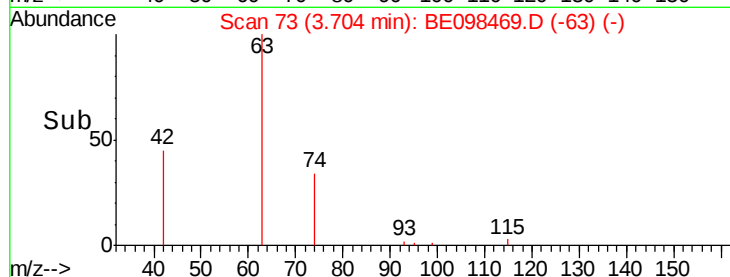
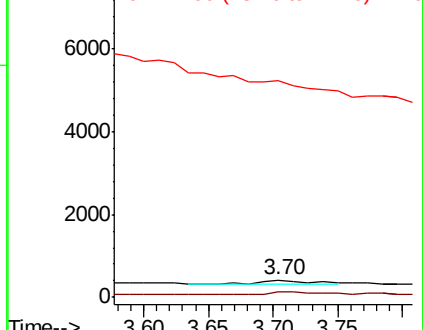
44 0.0 0.0 0.0



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.307 ng

RT: 5.47 min Scan# 226

Delta R.T. 0.02 min

Lab File: BE098469.D

Acq: 15 Dec 2018 13:09

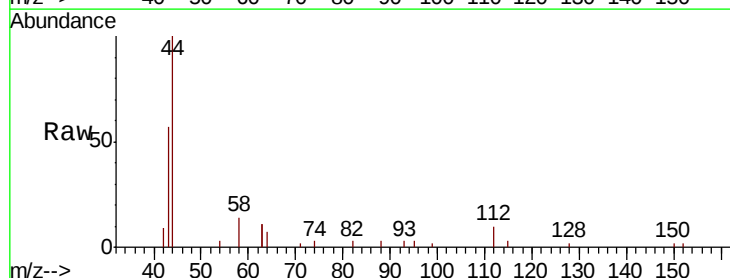
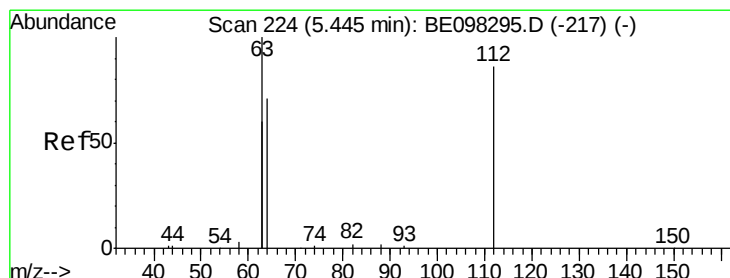
Tgt Ion: 112 Resp: 556

Ion Ratio Lower Upper

112 100

64 68.2 59.8 89.8

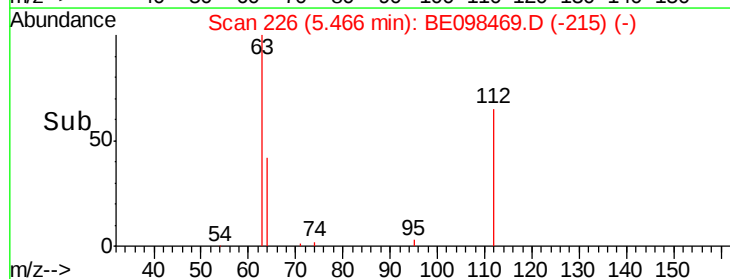
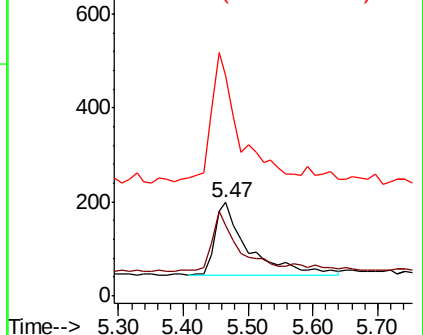
63 151.6 133.7 200.5



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: 0.272 ng

RT: 7.06 min Scan# 364

Delta R.T. 0.01 min

Lab File: BE098469.D

Acq: 15 Dec 2018 13:09

Instrument :

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ClientSampleId :

PB115689BS

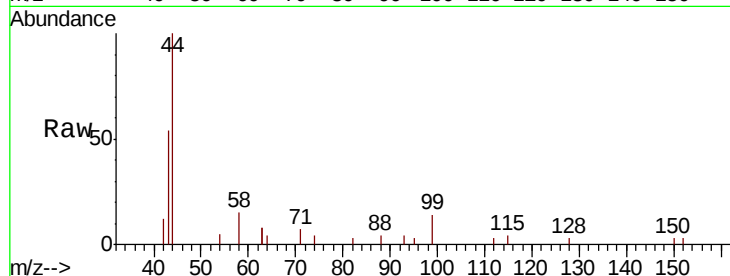
Tgt Ion: 99 Resp: 696

Ion Ratio Lower Upper

99 100

42 26.3 26.3 39.5#

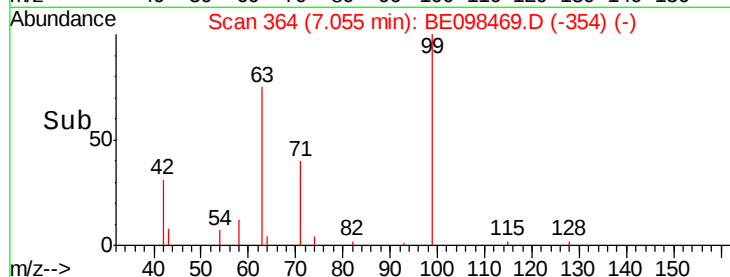
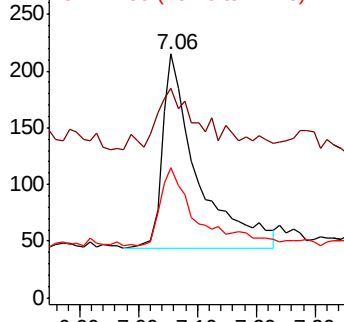
71 42.4 33.6 50.4



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: 0.191 ng

RT: 7.30 min Scan# 385

Delta R.T. 0.01 min

Lab File: BE098469.D

Acq: 15 Dec 2018 13:09

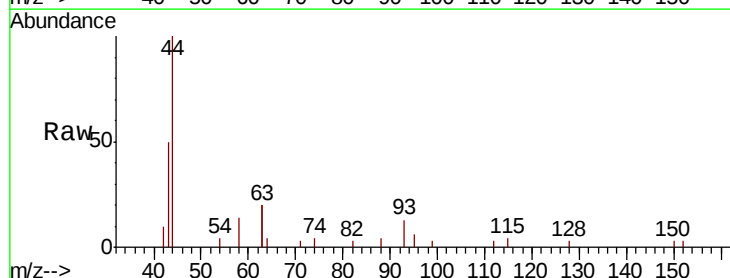
Tgt Ion: 93 Resp: 464

Ion Ratio Lower Upper

93 100

63 294.0 264.4 396.6

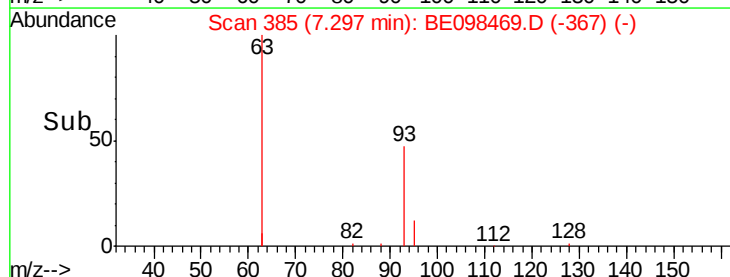
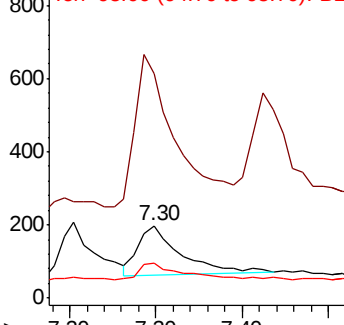
95 34.3 26.6 40.0



Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE098469.D

Acq: 15 Dec 2018 13:09

Instrument :

BNA_E

ClientSampleId :

PB115689BS

Tgt Ion: 136 Resp: 3319

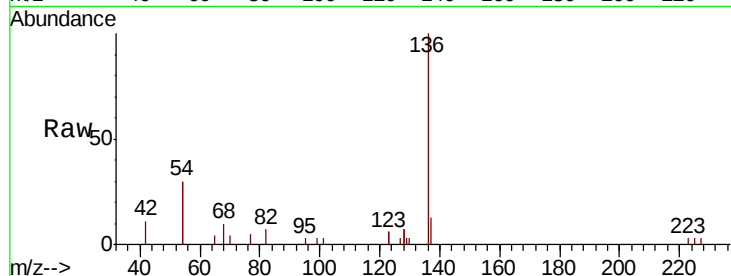
Ion Ratio Lower Upper

136 100

137 13.4 9.2 13.8

54 59.6 28.4 42.6#

68 9.8 5.4 8.0#

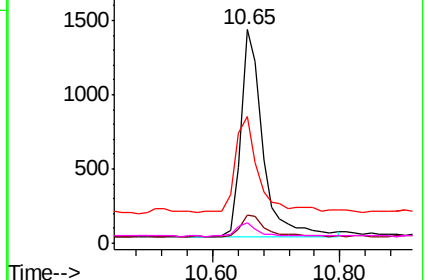
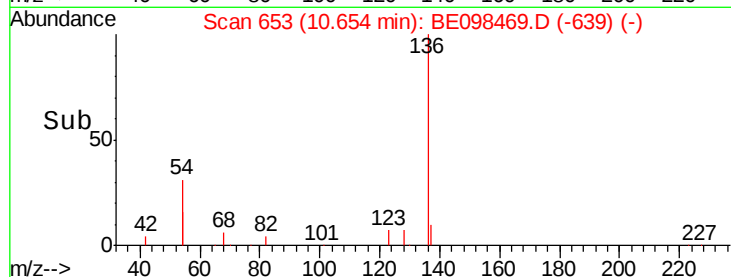


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.236 ng

RT: 9.04 min Scan# 529

Delta R.T. 0.03 min

Lab File: BE098469.D

Acq: 15 Dec 2018 13:09

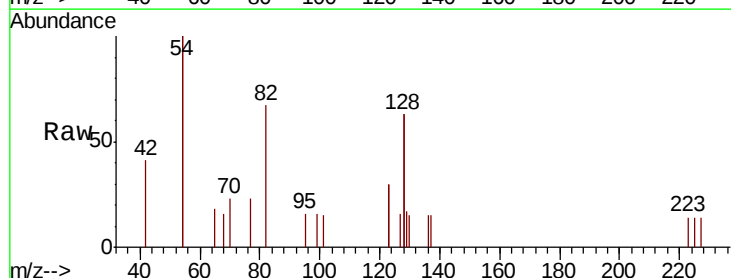
Tgt Ion: 82 Resp: 712

Ion Ratio Lower Upper

82 100

128 188.6 102.4 153.6#

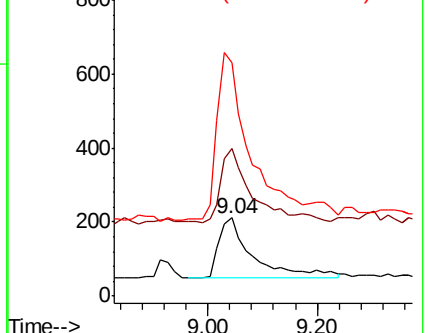
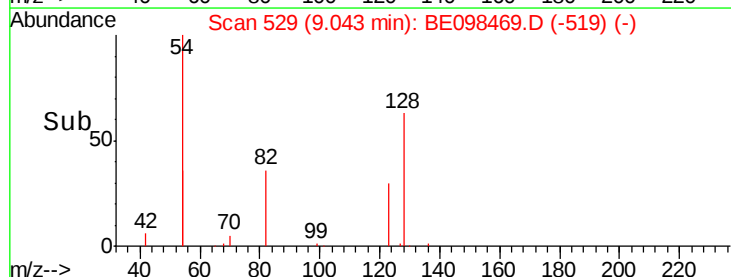
54 298.6 221.8 332.8

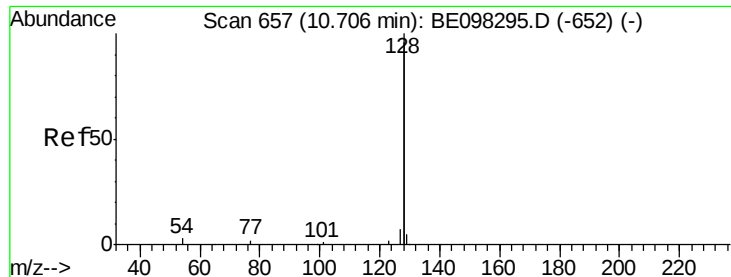


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.239 ng

RT: 10.71 min Scan# 657

Delta R.T. 0.00 min

Lab File: BE098469.D

Acq: 15 Dec 2018 13:09

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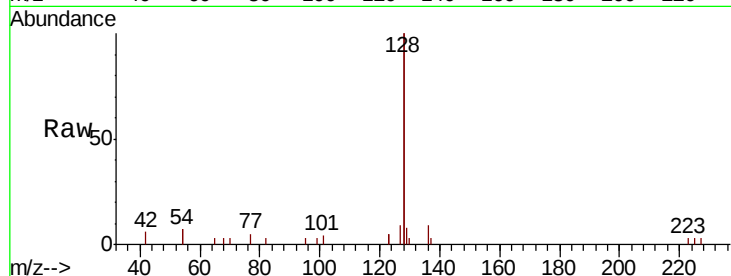
Tgt Ion:128 Resp: 7997

Ion Ratio Lower Upper

128 100

129 4.0 2.5 3.7#

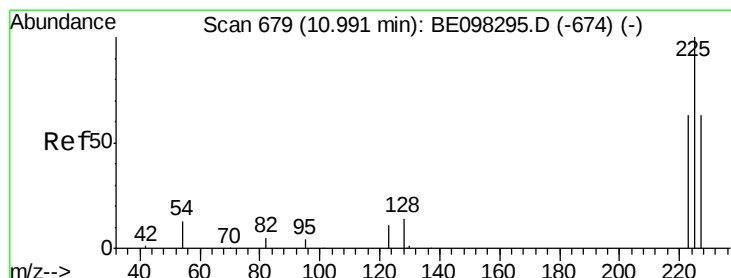
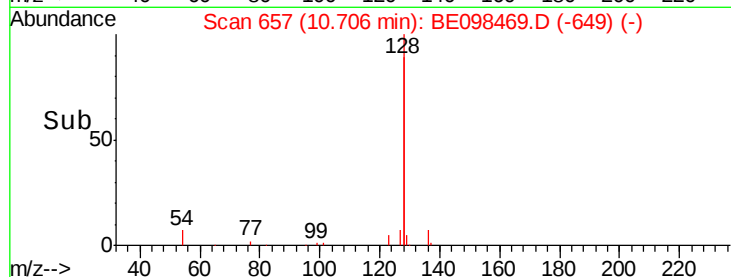
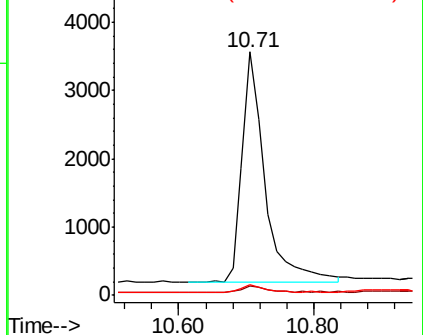
127 4.6 2.7 4.1#



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: 0.229 ng

RT: 10.99 min Scan# 679

Delta R.T. 0.00 min

Lab File: BE098469.D

Acq: 15 Dec 2018 13:09

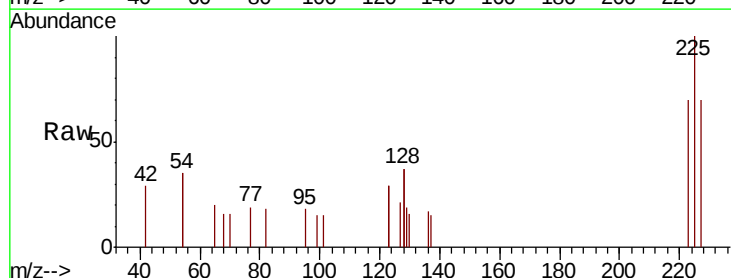
Tgt Ion:225 Resp: 487

Ion Ratio Lower Upper

225 100

223 69.8 49.4 74.0

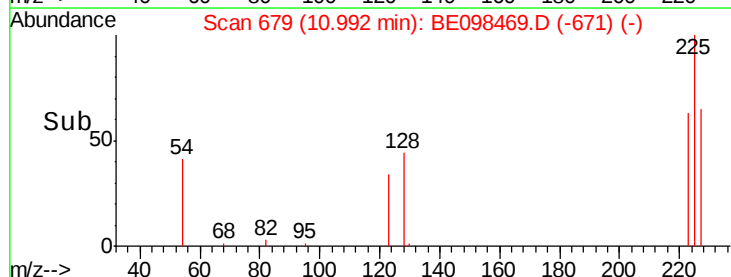
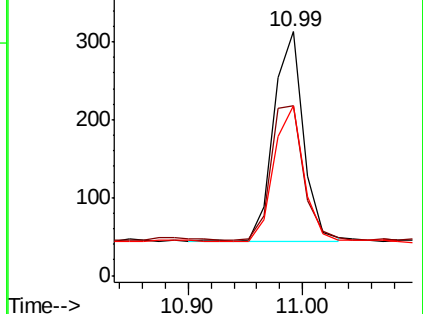
227 64.9 52.0 78.0

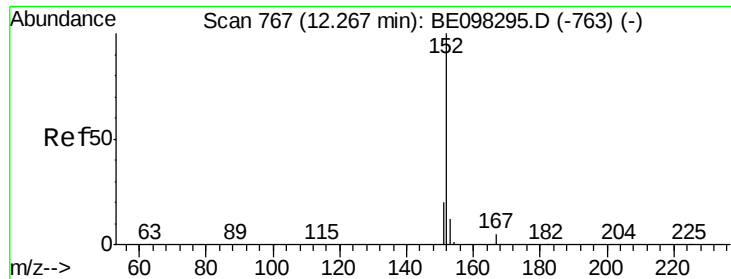


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

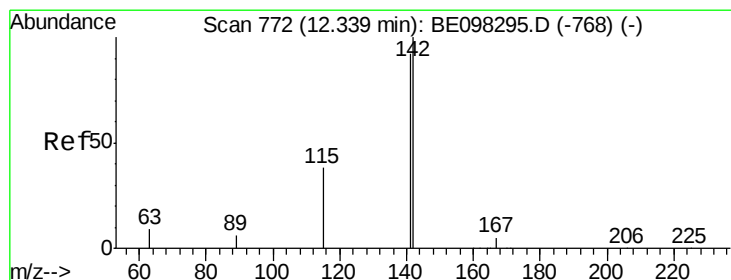
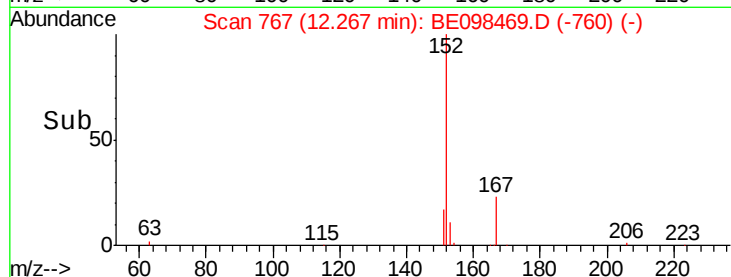
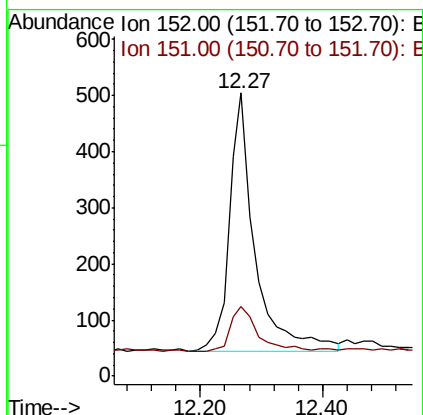
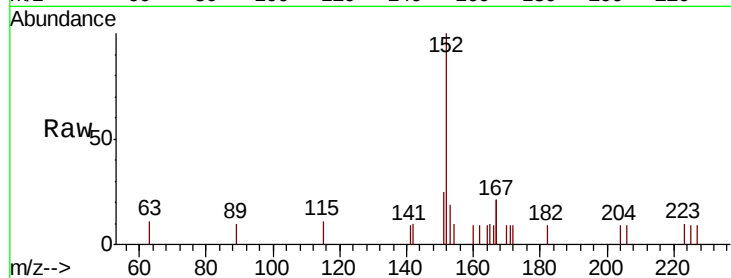




#11
 2-Methylnaphthalene-d10
 Concen: 0.250 ng
 RT: 12.27 min Scan# 767
 Delta R.T. 0.00 min
 Lab File: BE098469.D
 Acq: 15 Dec 2018 13:09

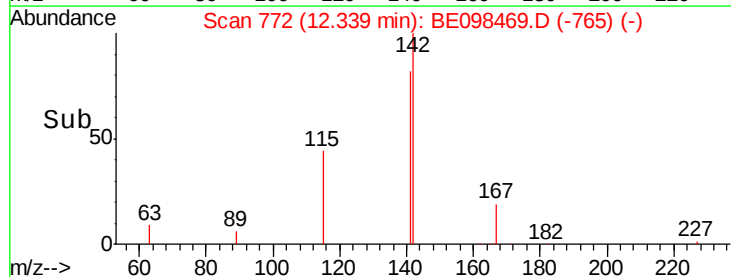
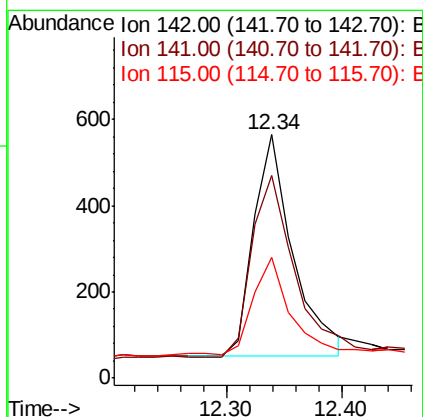
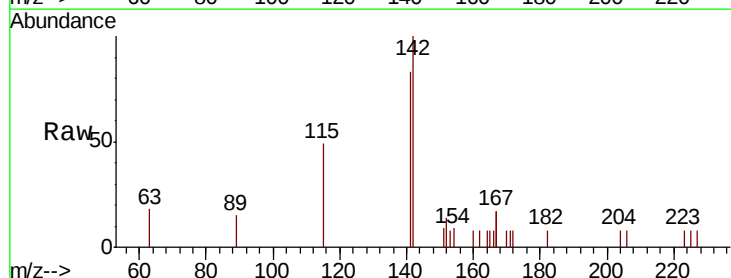
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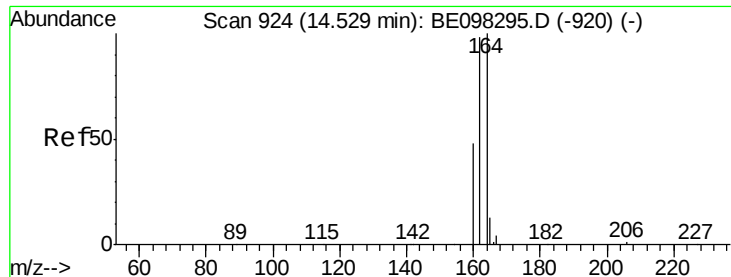
Tgt Ion:152 Resp: 1348
 Ion Ratio Lower Upper
 152 100
 151 19.1 16.2 24.4



#12
 2-Methylnaphthalene
 Concen: 0.226 ng
 RT: 12.34 min Scan# 772
 Delta R.T. 0.00 min
 Lab File: BE098469.D
 Acq: 15 Dec 2018 13:09

Tgt Ion:142 Resp: 1224
 Ion Ratio Lower Upper
 142 100
 141 83.0 71.0 106.6
 115 49.4 32.2 48.2#

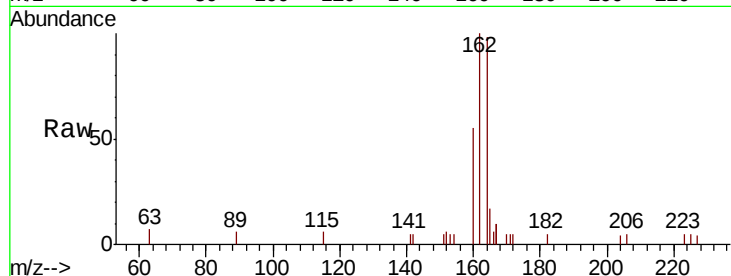




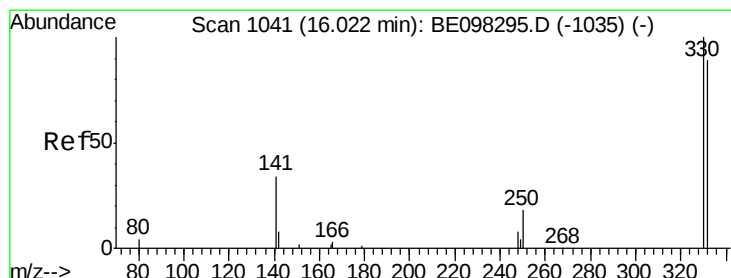
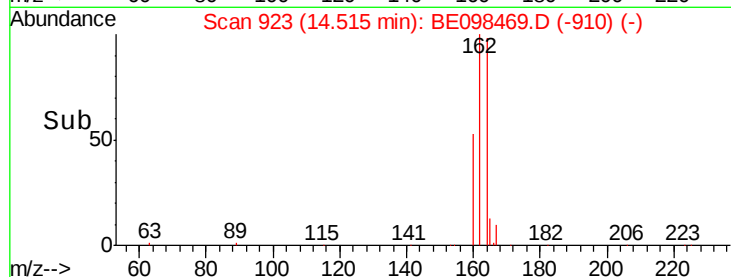
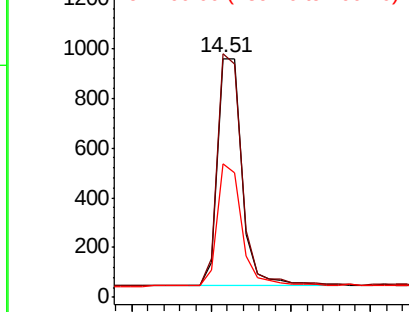
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.51 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: BE098469.D
 Acq: 15 Dec 2018 13:09

Instrument :
 BNA_E
 ClientSampleId :
 PB115689BS

Tgt Ion:164 Resp: 1966
 Ion Ratio Lower Upper
 164 100
 162 101.9 77.6 116.4
 160 55.6 36.0 54.0#

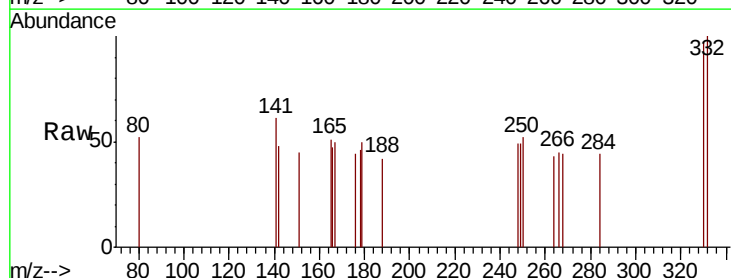


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

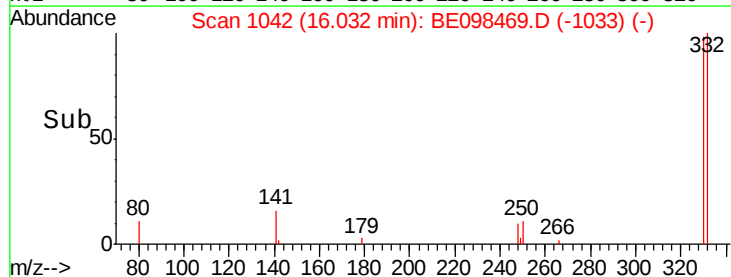
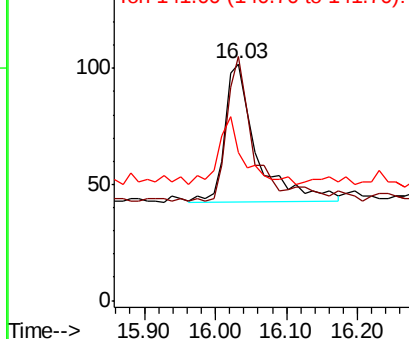


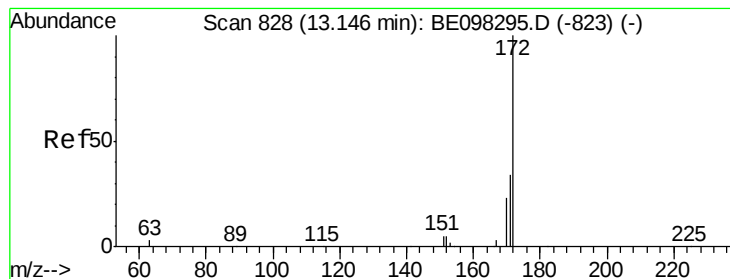
#14
 2,4,6-Tribromophenol
 Concen: 0.256 ng
 RT: 16.03 min Scan# 1042
 Delta R.T. 0.01 min
 Lab File: BE098469.D
 Acq: 15 Dec 2018 13:09

Tgt Ion:330 Resp: 185
 Ion Ratio Lower Upper
 330 100
 332 81.1 76.2 114.4
 141 38.4 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: 0.230 ng

RT: 13.15 min Scan# 828

Delta R.T. 0.00 min

Lab File: BE098469.D

Acq: 15 Dec 2018 13:09

Instrument :

BNA_E

ClientSampleId :

PB115689BS

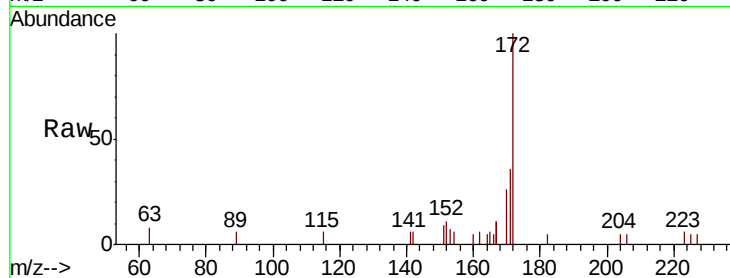
Tgt Ion:172 Resp: 1905

Ion Ratio Lower Upper

172 100

171 36.0 27.5 41.3

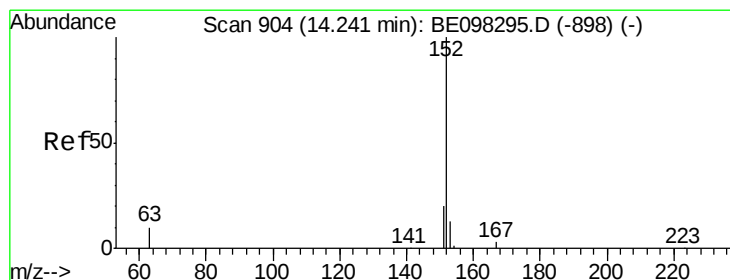
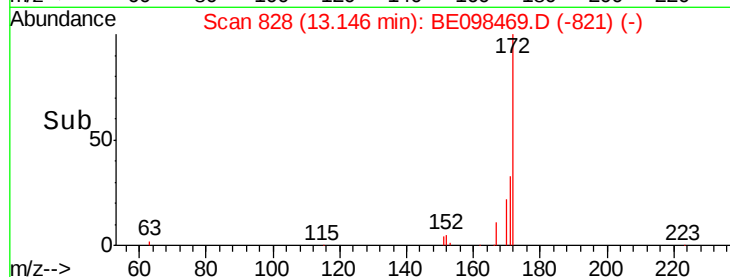
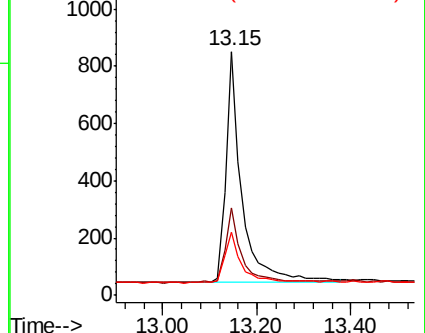
170 25.9 19.6 29.4



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: 0.241 ng

RT: 14.24 min Scan# 904

Delta R.T. 0.00 min

Lab File: BE098469.D

Acq: 15 Dec 2018 13:09

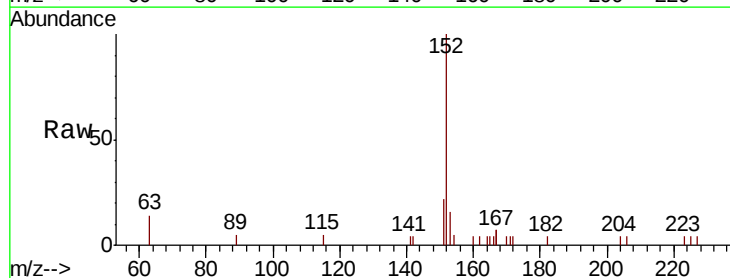
Tgt Ion:152 Resp: 2218

Ion Ratio Lower Upper

152 100

151 20.4 15.5 23.3

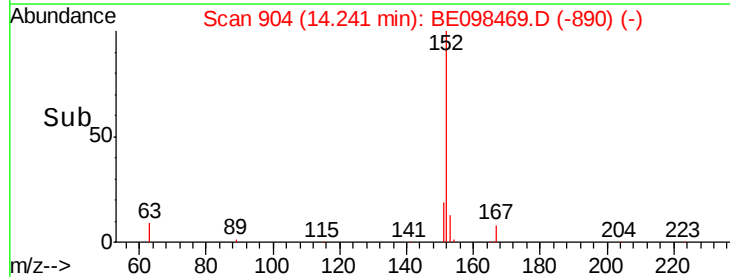
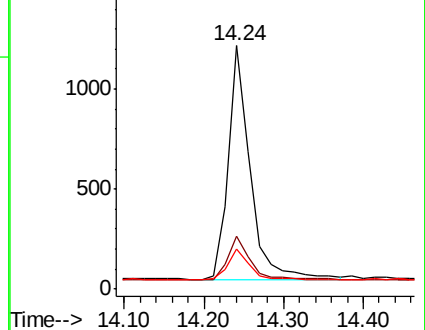
153 13.5 10.6 16.0



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

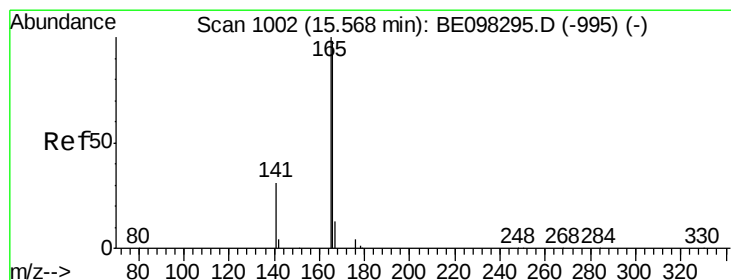
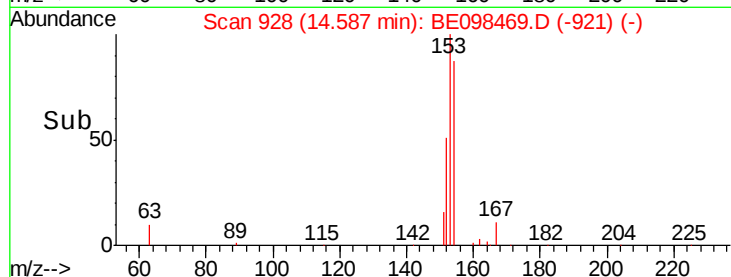
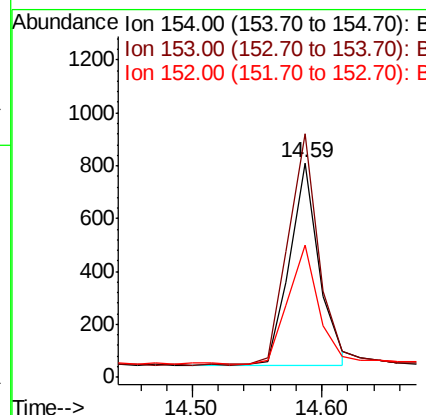
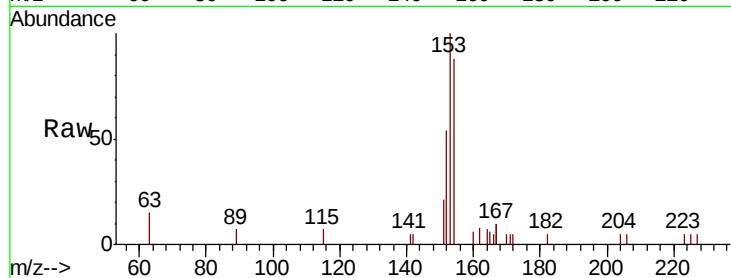




#17
Acenaphthene
Concen: 0.221 ng
RT: 14.59 min Scan# 928
Delta R.T. 0.00 min
Lab File: BE098469.D
Acq: 15 Dec 2018 13:09

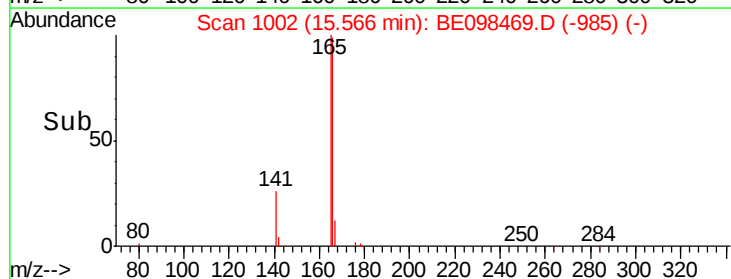
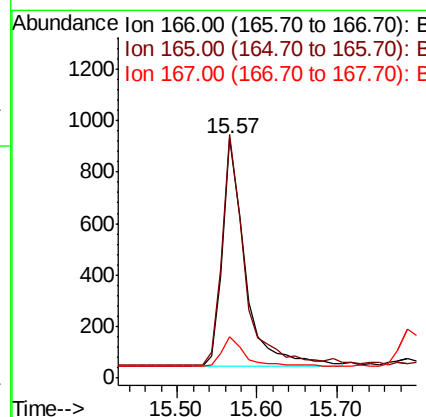
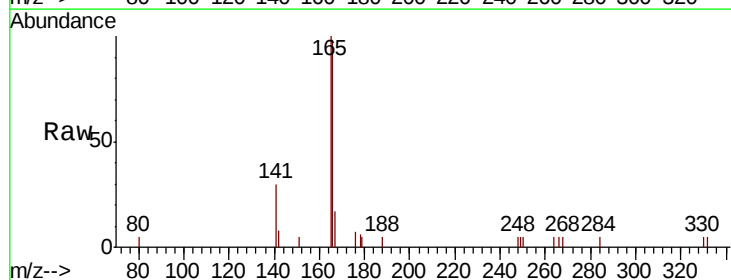
Instrument :
BNA_E
ClientSampleId :
PB115689BS

Tgt Ion:154 Resp: 1221
Ion Ratio Lower Upper
154 100
153 117.7 91.8 137.6
152 60.6 45.5 68.3



#18
Fluorene
Concen: 0.237 ng
RT: 15.57 min Scan# 1002
Delta R.T. -0.00 min
Lab File: BE098469.D
Acq: 15 Dec 2018 13:09

Tgt Ion:166 Resp: 1754
Ion Ratio Lower Upper
166 100
165 100.9 79.3 118.9
167 14.4 11.3 16.9





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.27 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BE098469.D

Acq: 15 Dec 2018 13:09

Instrument :

BNA_E

ClientSampleId :

PB115689BS

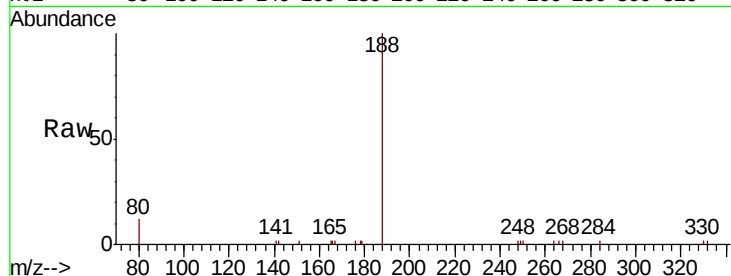
Tgt Ion:188 Resp: 5557

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

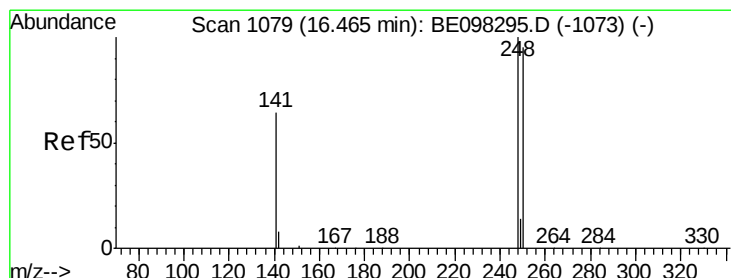
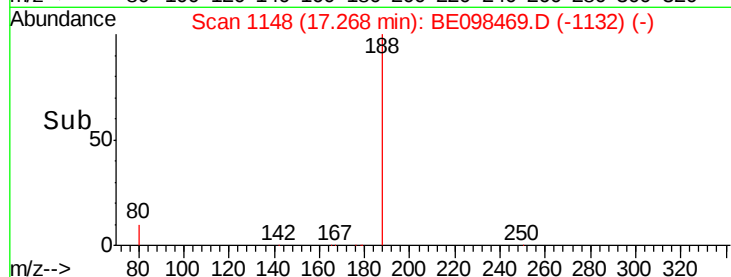
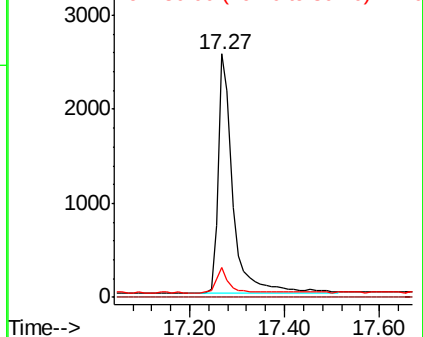
80 12.1 7.2 10.8#



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: 0.178 ng

RT: 16.46 min Scan# 1079

Delta R.T. -0.00 min

Lab File: BE098469.D

Acq: 15 Dec 2018 13:09

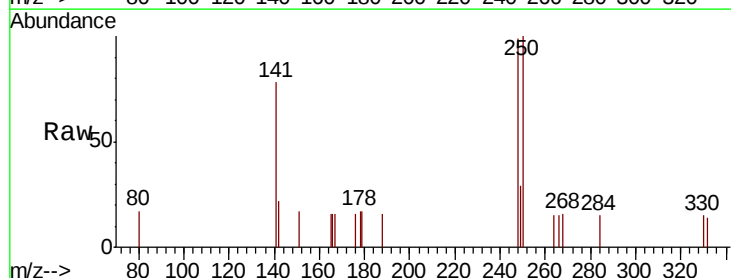
Tgt Ion:248 Resp: 532

Ion Ratio Lower Upper

248 100

250 100.7 71.0 106.6

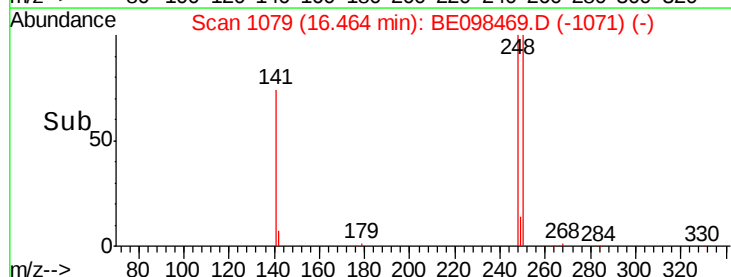
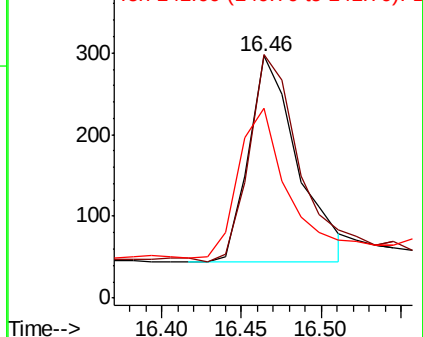
141 78.7 62.1 93.1

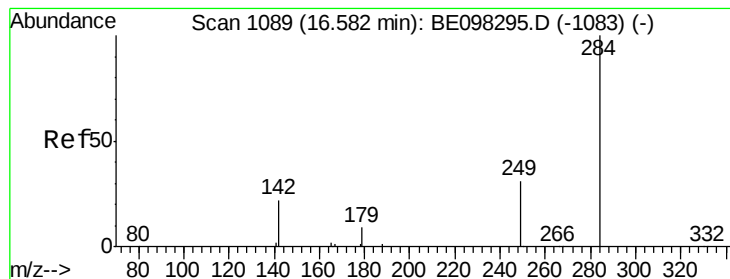


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.214 ng

RT: 16.58 min Scan# 1089

Delta R.T. -0.00 min

Lab File: BE098469.D

Acq: 15 Dec 2018 13:09

Instrument :

BNA_E

ClientSampleId :

PB115689BS

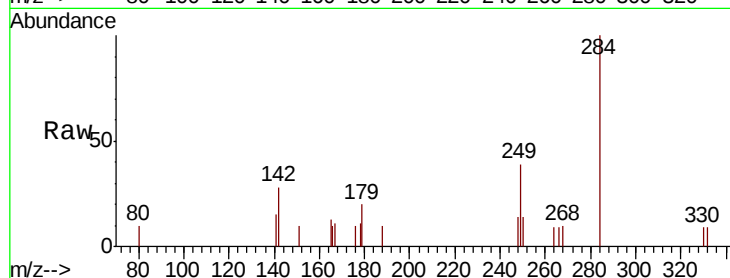
Tgt Ion:284 Resp: 687

Ion Ratio Lower Upper

284 100

142 37.1 26.3 39.5

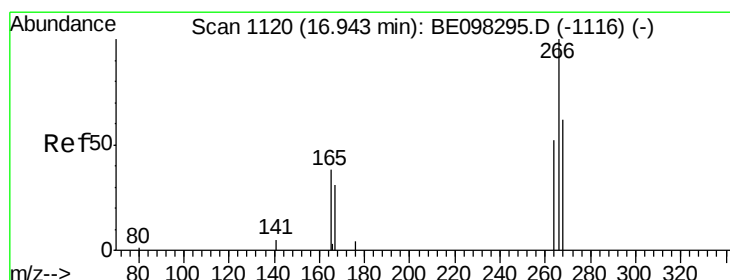
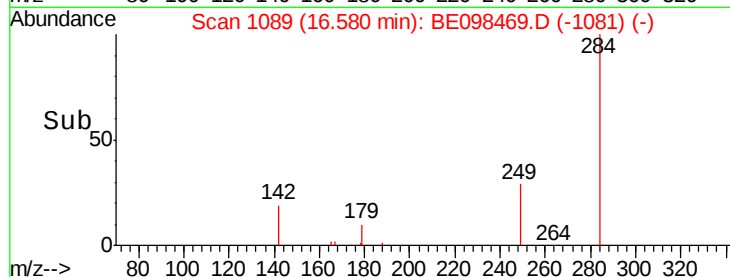
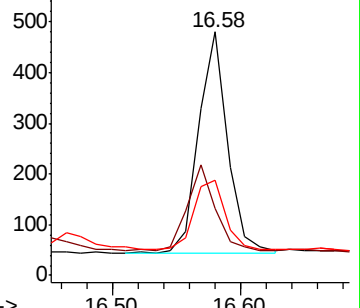
249 34.4 26.0 39.0



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: 0.182 ng

RT: 16.95 min Scan# 1121

Delta R.T. 0.01 min

Lab File: BE098469.D

Acq: 15 Dec 2018 13:09

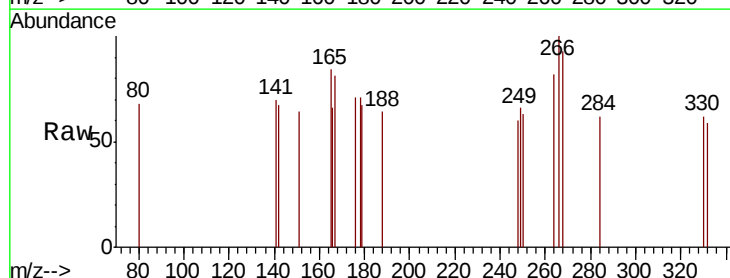
Tgt Ion:266 Resp: 84

Ion Ratio Lower Upper

266 100

264 82.2 59.0 88.4

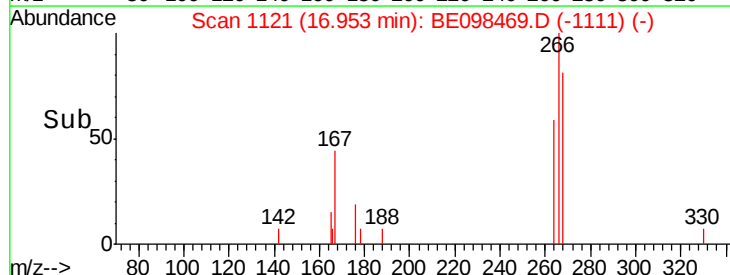
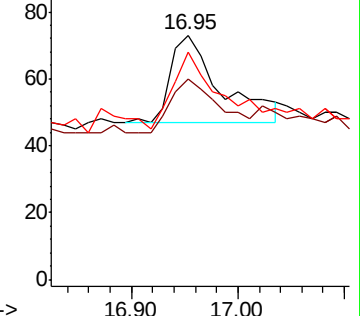
268 93.2 55.1 82.7#

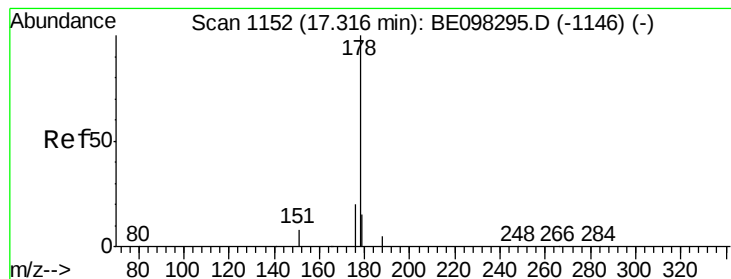


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.223 ng

RT: 17.31 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BE098469.D

Acq: 15 Dec 2018 13:09

Instrument :

BNA_E

ClientSampleId :

PB115689BS

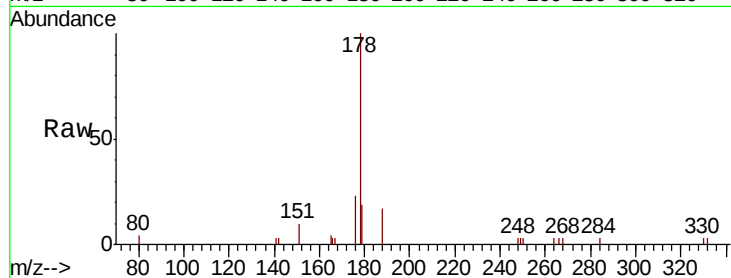
Tgt Ion:178 Resp: 3010

Ion Ratio Lower Upper

178 100

176 20.4 15.9 23.9

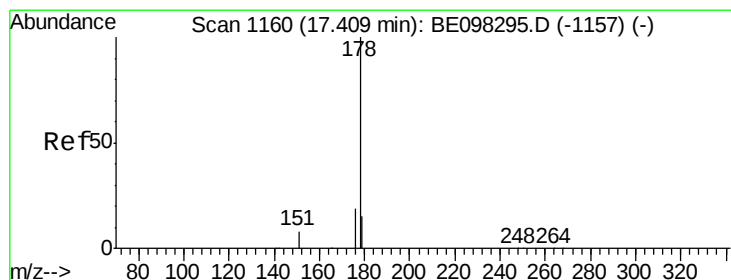
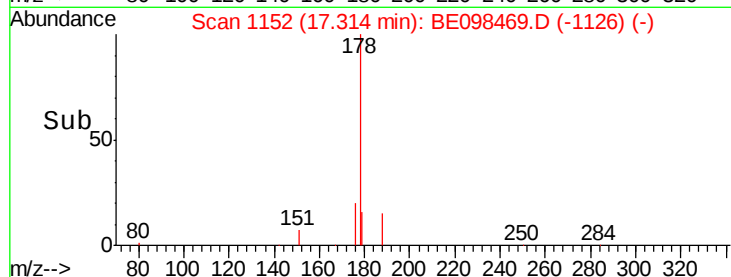
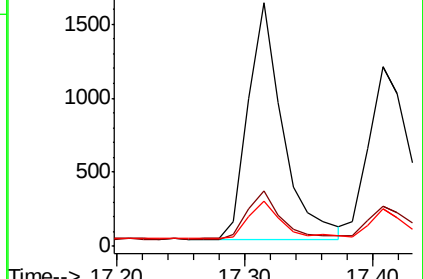
179 16.2 12.3 18.5



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: 0.198 ng

RT: 17.41 min Scan# 1160

Delta R.T. -0.00 min

Lab File: BE098469.D

Acq: 15 Dec 2018 13:09

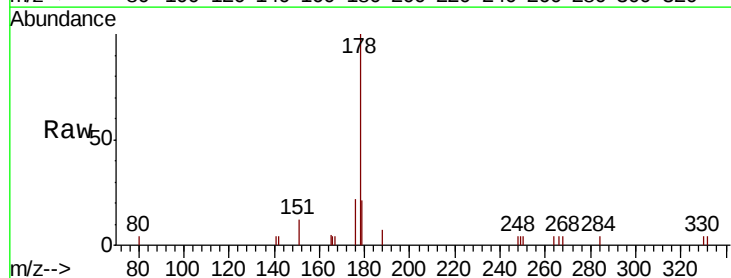
Tgt Ion:178 Resp: 2379

Ion Ratio Lower Upper

178 100

176 18.4 15.0 22.4

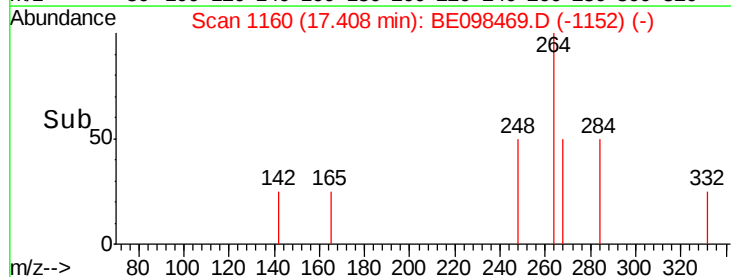
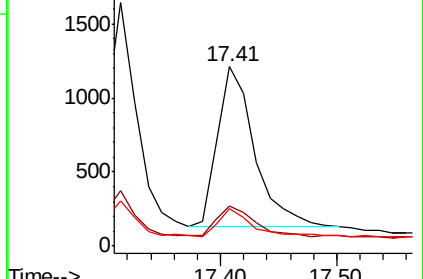
179 14.5 12.3 18.5



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: 0.254 ng

RT: 19.30 min Scan# 1432

Delta R.T. -0.00 min

Lab File: BE098469.D

Acq: 15 Dec 2018 13:09

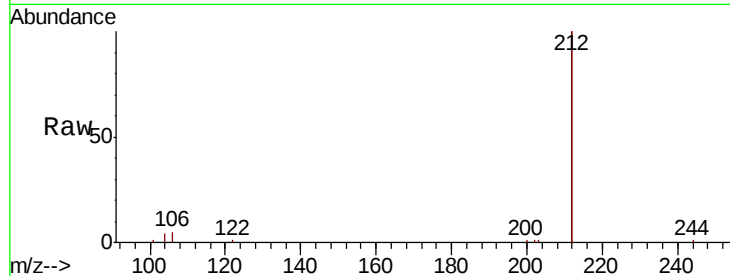
Instrument :

BNA_E

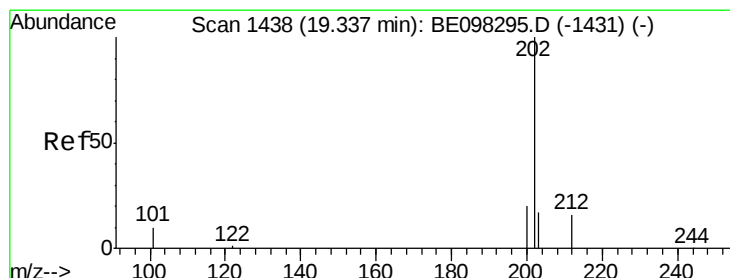
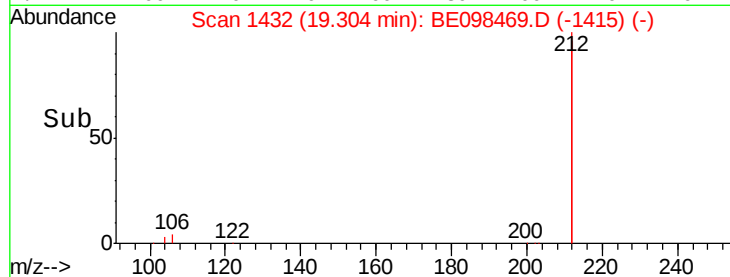
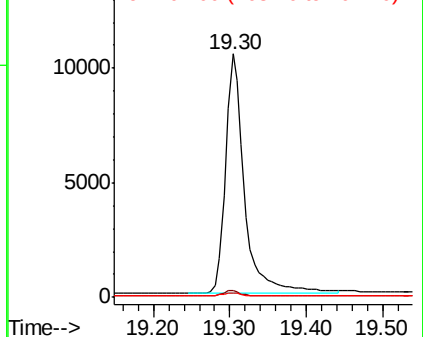
ClientSampleId :

PB115689BS

Tgt Ion:	212	Resp:	18100
Ion	Ratio	Lower	Upper
212	100		
106	2.5	2.2	3.2
104	1.4	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: 0.252 ng

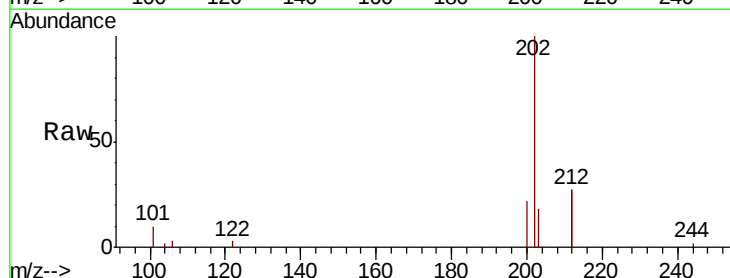
RT: 19.33 min Scan# 1437

Delta R.T. -0.00 min

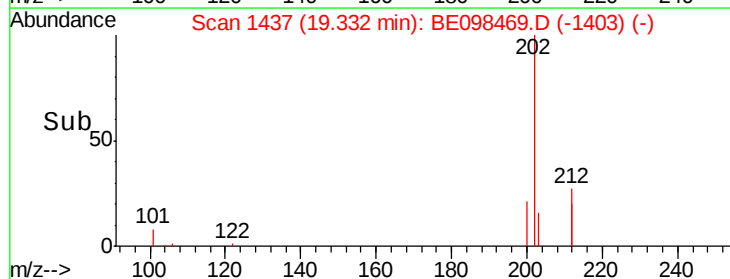
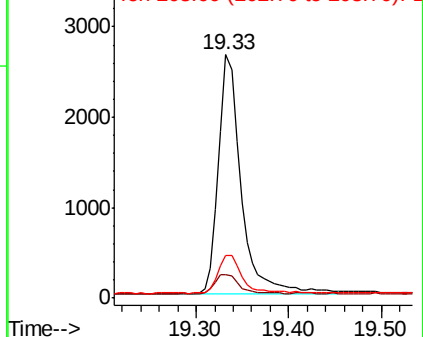
Lab File: BE098469.D

Acq: 15 Dec 2018 13:09

Tgt Ion:	202	Resp:	4507
Ion	Ratio	Lower	Upper
202	100		
101	8.5	8.0	12.0
203	16.5	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

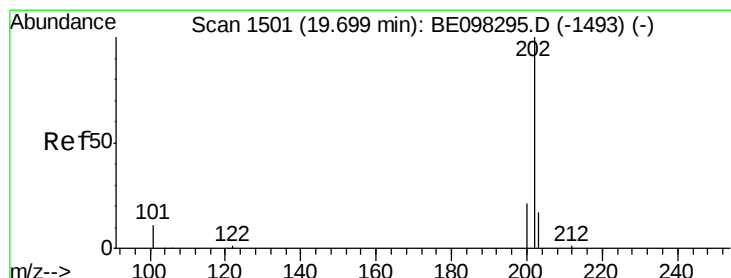
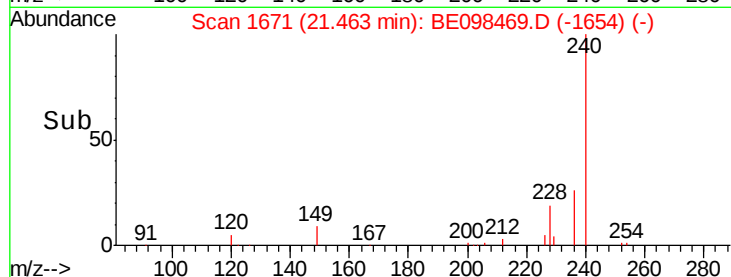
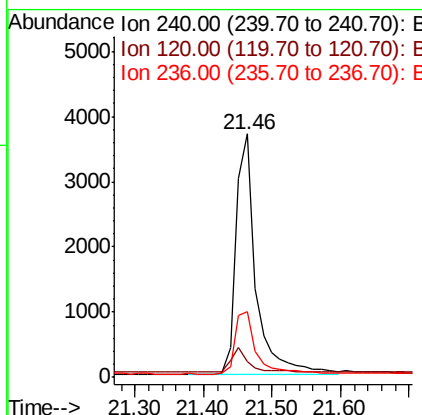
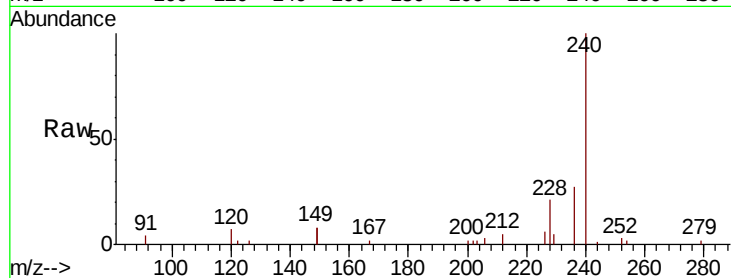




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.46 min Scan# 1671
 Delta R.T. -0.00 min
 Lab File: BE098469.D
 Acq: 15 Dec 2018 13:09

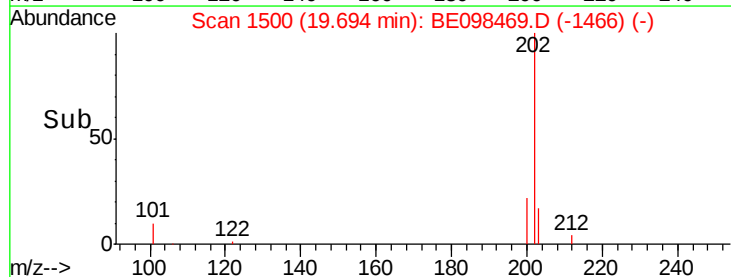
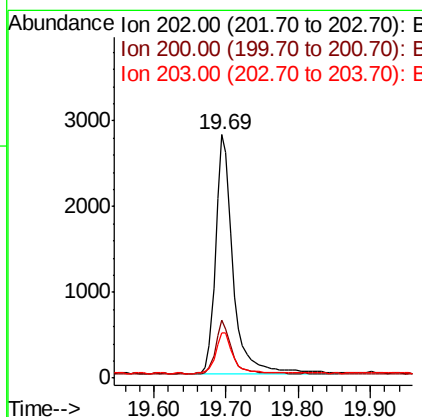
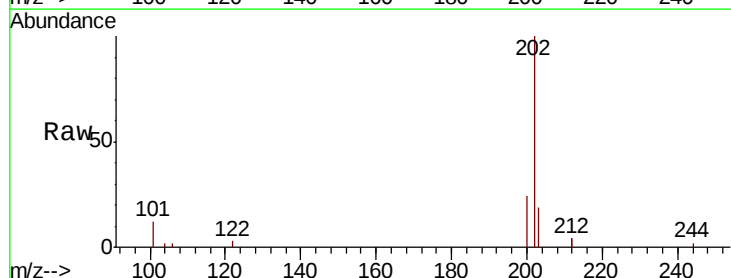
Instrument :
 BNA_E
 ClientSampleId :
 PB115689BS

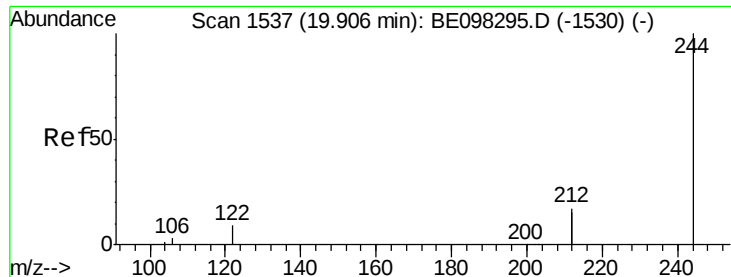
Tgt Ion:240 Resp: 7419
 Ion Ratio Lower Upper
 240 100
 120 6.5 9.5 14.3#
 236 26.9 22.7 34.1



#28
 Pyrene
 Concen: 0.198 ng
 RT: 19.69 min Scan# 1500
 Delta R.T. -0.00 min
 Lab File: BE098469.D
 Acq: 15 Dec 2018 13:09

Tgt Ion:202 Resp: 4608
 Ion Ratio Lower Upper
 202 100
 200 21.1 16.7 25.1
 203 17.9 14.1 21.1





#29

Terphenyl-d14

Concen: 0.183 ng

RT: 19.90 min Scan# 1536

Delta R.T. -0.00 min

Lab File: BE098469.D

Acq: 15 Dec 2018 13:09

Instrument :

BNA_E

ClientSampleId :

PB115689BS

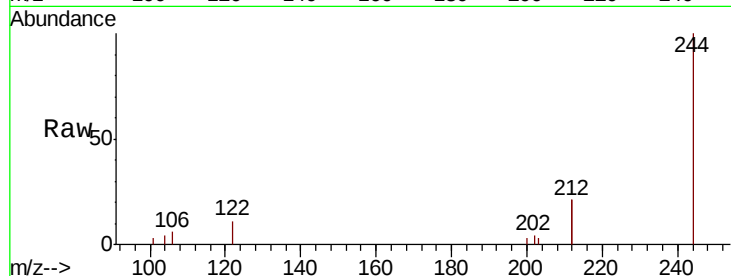
Tgt Ion:244 Resp: 3297

Ion Ratio Lower Upper

244 100

212 42.5 27.4 41.0#

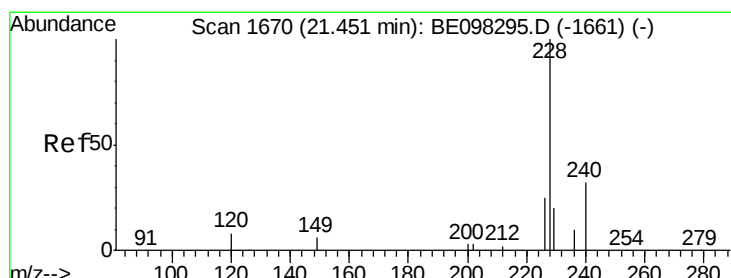
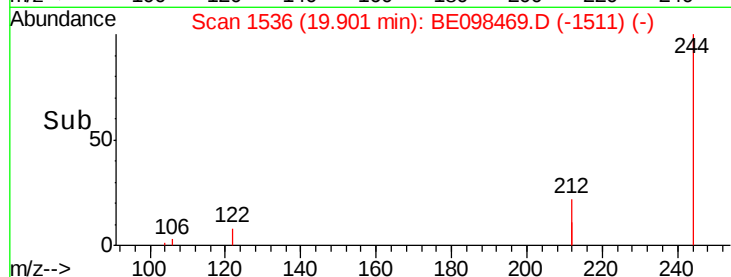
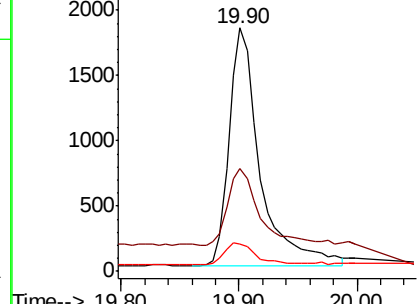
122 11.0 8.3 12.5



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: 0.230 ng

RT: 21.44 min Scan# 1669

Delta R.T. -0.01 min

Lab File: BE098469.D

Acq: 15 Dec 2018 13:09

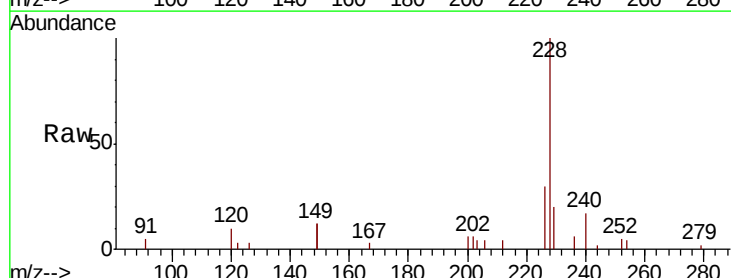
Tgt Ion:228 Resp: 4866

Ion Ratio Lower Upper

228 100

226 30.0 21.8 32.8

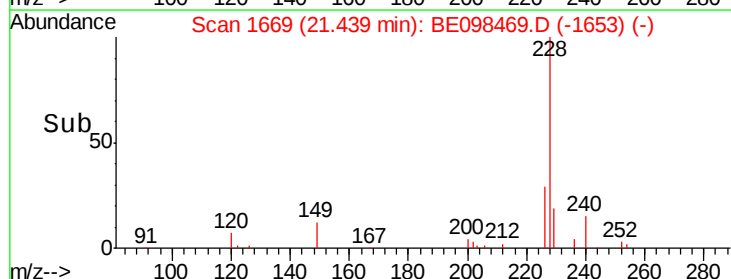
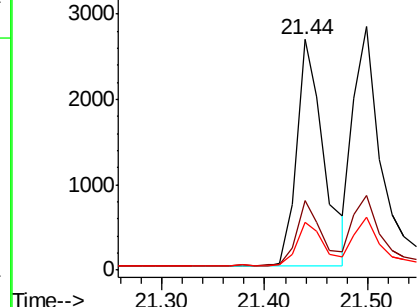
229 20.5 16.3 24.5



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: 0.220 ng

RT: 21.50 min Scan# 1674

Delta R.T. -0.00 min

Lab File: BE098469.D

Acq: 15 Dec 2018 13:09

Instrument :

BNA_E

ClientSampleId :

PB115689BS

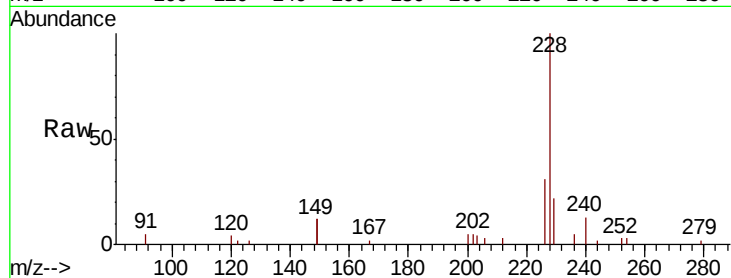
Tgt Ion:228 Resp: 4875

Ion Ratio Lower Upper

228 100

226 30.6 23.4 35.0

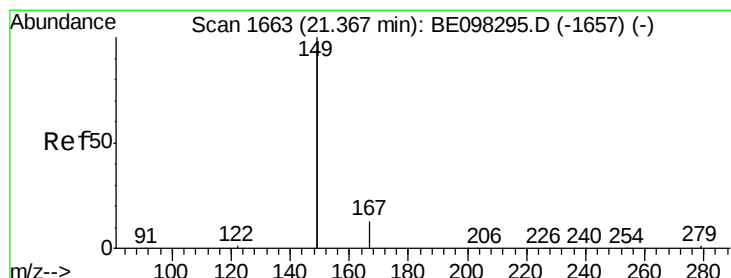
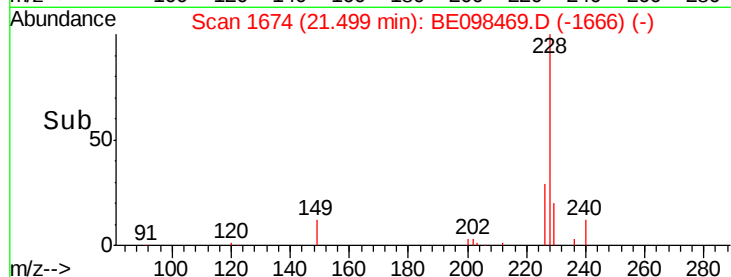
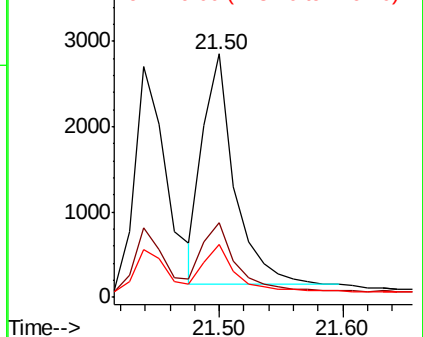
229 21.6 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.191 ng

RT: 21.35 min Scan# 1662

Delta R.T. -0.01 min

Lab File: BE098469.D

Acq: 15 Dec 2018 13:09

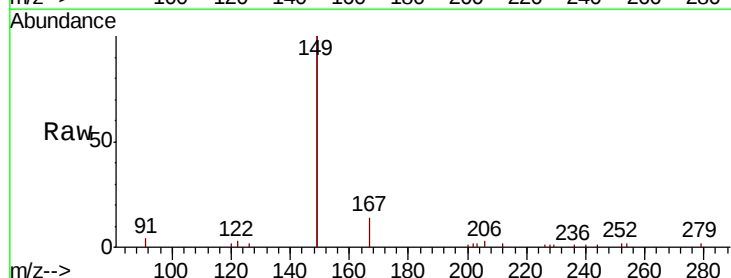
Tgt Ion:149 Resp: 8191

Ion Ratio Lower Upper

149 100

167 6.6 5.7 8.5

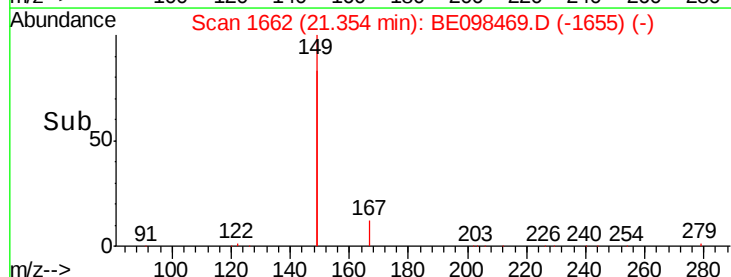
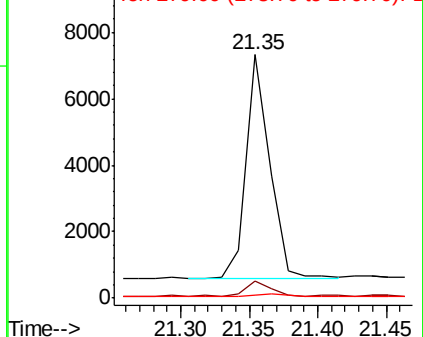
279 1.0 1.0 1.4



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

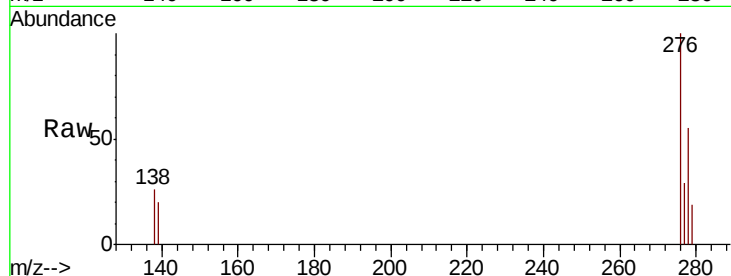




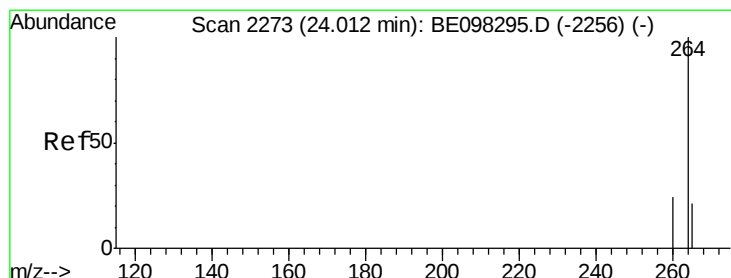
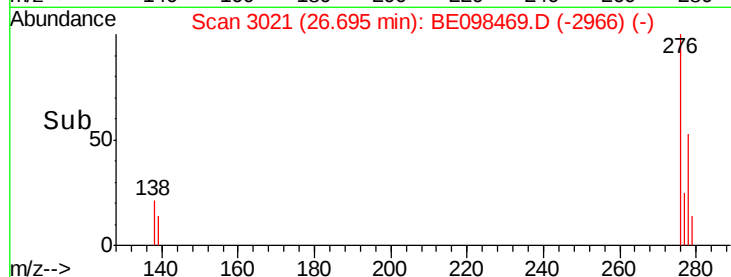
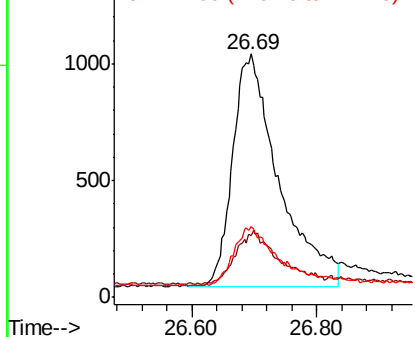
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.231 ng
 RT: 26.69 min Scan# 3021
 Delta R.T. -0.00 min
 Lab File: BE098469.D
 Acq: 15 Dec 2018 13:09

Instrument :
 BNA_E
 ClientSampleId :
 PB115689BS

Tgt Ion:276 Resp: 5095
 Ion Ratio Lower Upper
 276 100
 138 20.7 16.3 24.5
 277 8.8 20.2 30.4#

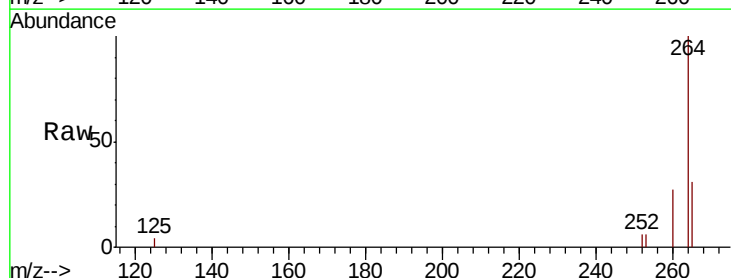


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

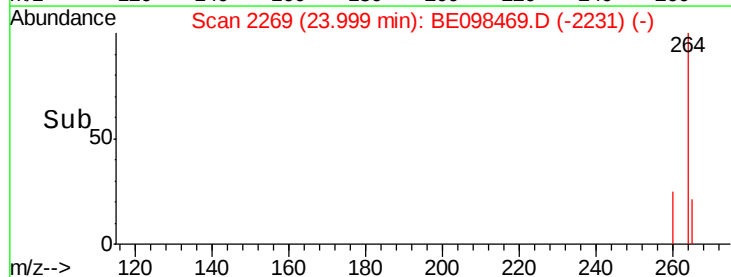
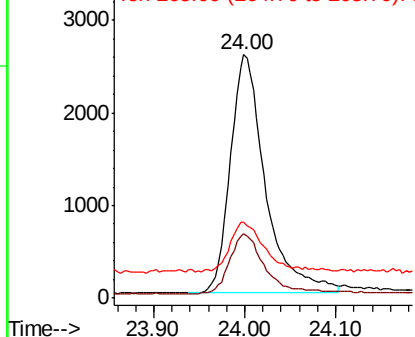


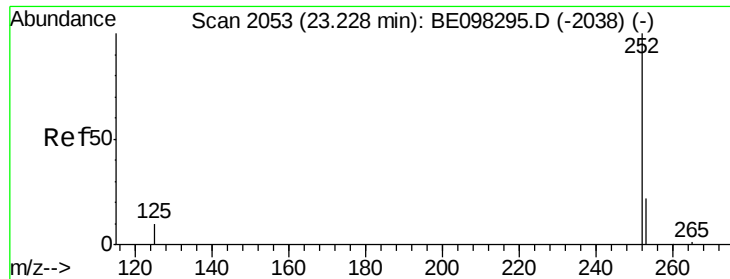
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.00 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: BE098469.D
 Acq: 15 Dec 2018 13:09

Tgt Ion:264 Resp: 6940
 Ion Ratio Lower Upper
 264 100
 260 26.5 20.2 30.2
 265 31.1 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: 0.292 ng

RT: 23.27 min Scan# 2065

Delta R.T. 0.04 min

Lab File: BE098469.D

Acq: 15 Dec 2018 13:09

Instrument :

BNA_E

ClientSampleId :

PB115689BS

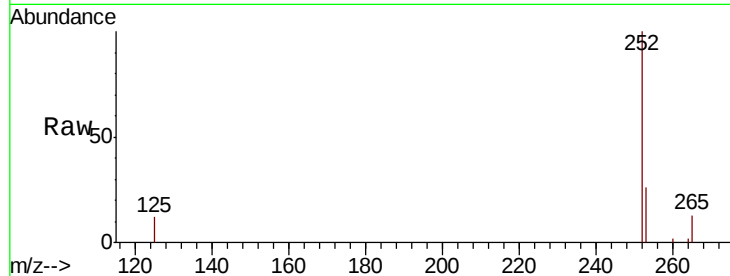
Tgt Ion:252 Resp: 5550

Ion Ratio Lower Upper

252 100

253 26.2 20.0 30.0

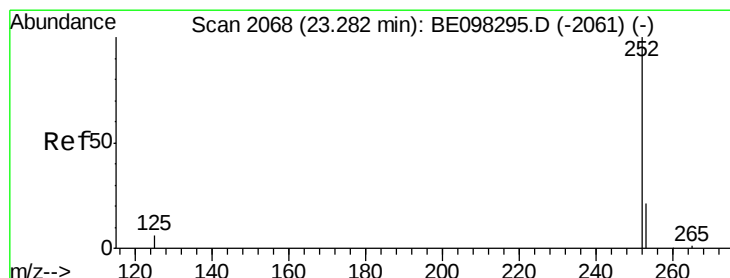
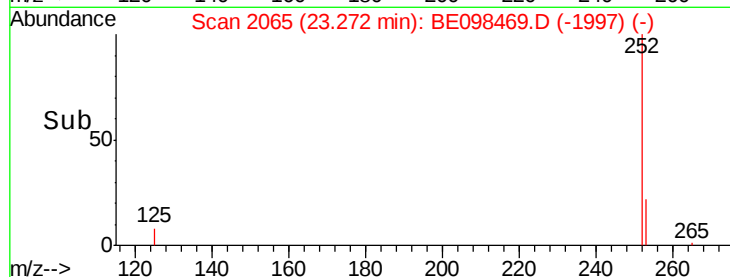
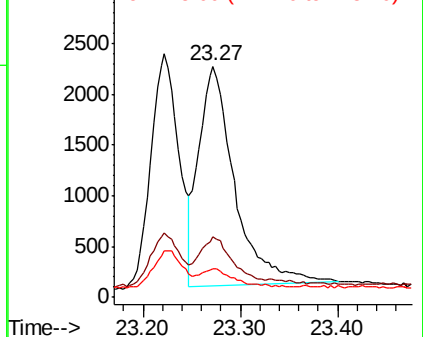
125 12.3 9.6 14.4



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: 0.252 ng

RT: 23.27 min Scan# 2065

Delta R.T. -0.01 min

Lab File: BE098469.D

Acq: 15 Dec 2018 13:09

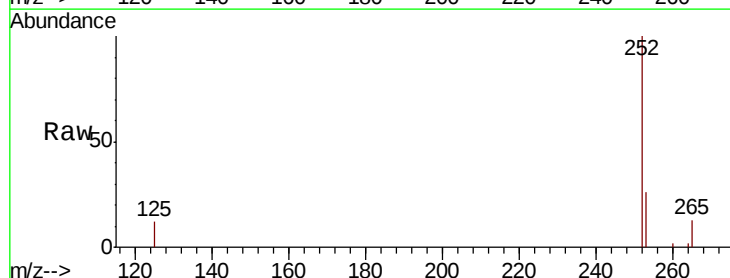
Tgt Ion:252 Resp: 5575

Ion Ratio Lower Upper

252 100

253 26.2 19.0 28.6

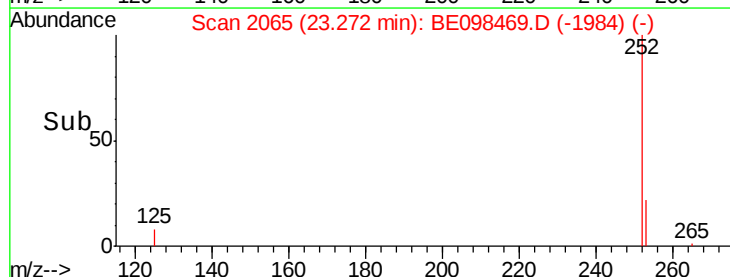
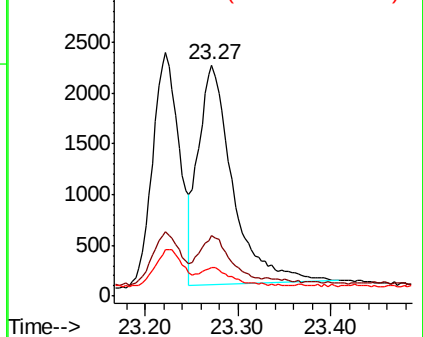
125 12.3 9.1 13.7

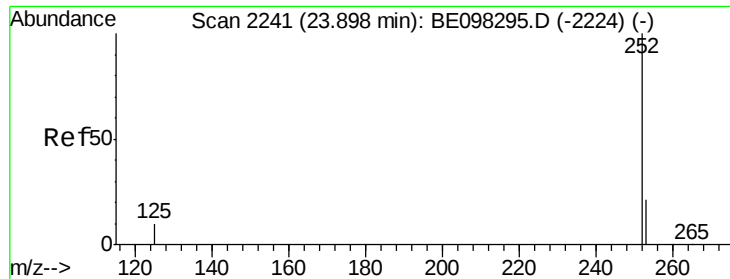


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.244 ng

RT: 23.88 min Scan# 2237

Delta R.T. -0.01 min

Lab File: BE098469.D

Acq: 15 Dec 2018 13:09

Instrument :

BNA_E

ClientSampleId :

PB115689BS

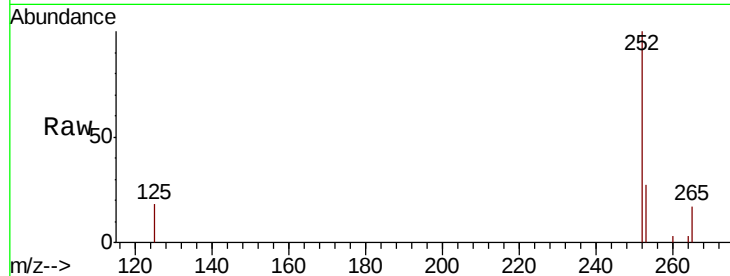
Tgt Ion:252 Resp: 4777

Ion Ratio Lower Upper

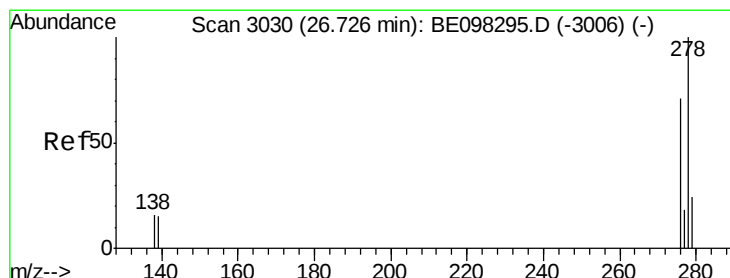
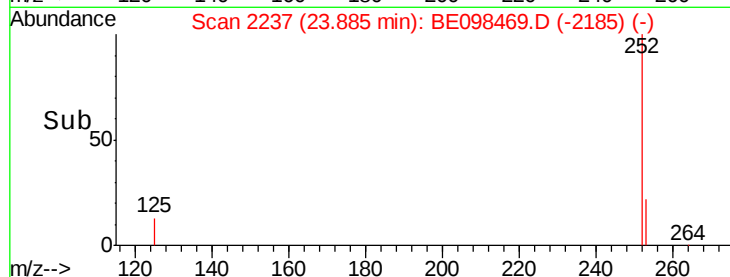
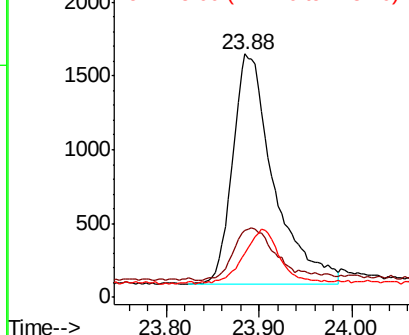
252 100

253 27.3 20.6 30.8

125 18.1 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: 0.216 ng

RT: 26.71 min Scan# 3026

Delta R.T. -0.01 min

Lab File: BE098469.D

Acq: 15 Dec 2018 13:09

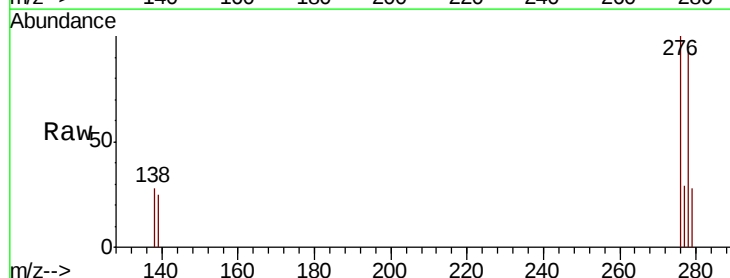
Tgt Ion:278 Resp: 3977

Ion Ratio Lower Upper

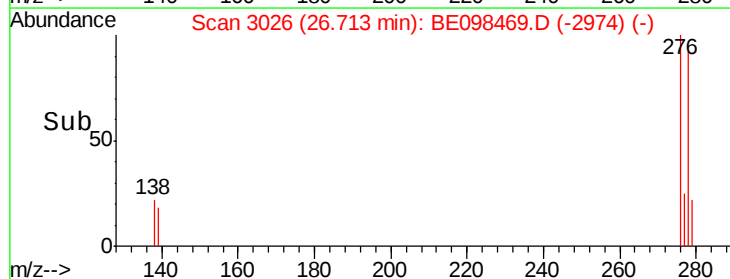
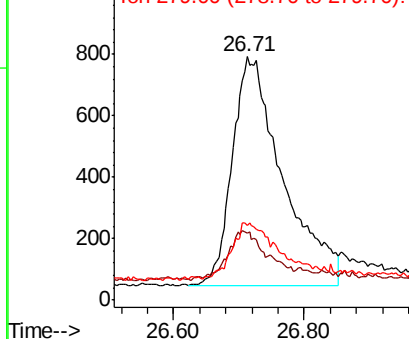
278 100

139 27.4 14.5 21.7#

279 30.5 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: 0.240 ng

RT: 27.51 min Scan# 3249

Delta R.T. -0.01 min

Lab File: BE098469.D

Acq: 15 Dec 2018 13:09

Instrument :

BNA_E

ClientSampleId :

PB115689BS

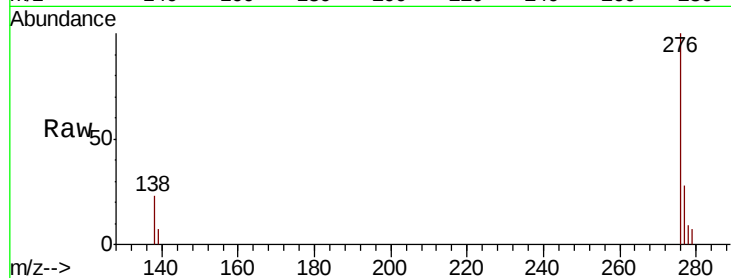
Tgt Ion: 276 Resp: 4458

Ion Ratio Lower Upper

276 100

277 27.6 20.8 31.2

138 22.6 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

