

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE121518\
 Data File : BE098470.D
 Acq On : 15 Dec 2018 13:45
 Operator : SJ/JU
 Sample : PB115682BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB115682BS

Quant Time: Dec 16 02:33:37 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	860	0.40	ng	0.00
7) Naphthalene-d8	10.65	136	3381	0.40	ng	-0.01
13) Acenaphthene-d10	14.53	164	2090	0.40	ng	0.00
19) Phenanthrene-d10	17.27	188	5623	0.40	ng	-0.01
27) Chrysene-d12	21.46	240	7413	0.40	ng	0.00
34) Perylene-d12	24.00	264	6984	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.46	112	551	0.27	ng	0.01
5) Phenol-d6	7.06	99	733	0.26	ng	0.01
8) Nitrobenzene-d5	9.03	82	741	0.24	ng	0.01
11) 2-Methylnaphthalene-d10	12.27	152	1410	0.26	ng	0.00
14) 2,4,6-Tribromophenol	16.02	330	185	0.24	ng	0.00
15) 2-Fluorobiphenyl	13.14	172	1945	0.22	ng	0.00
25) Fluoranthene-d10	19.30	212	18702	0.26	ng	0.00
29) Terphenyl-d14	19.90	244	3303	0.18	ng	0.00

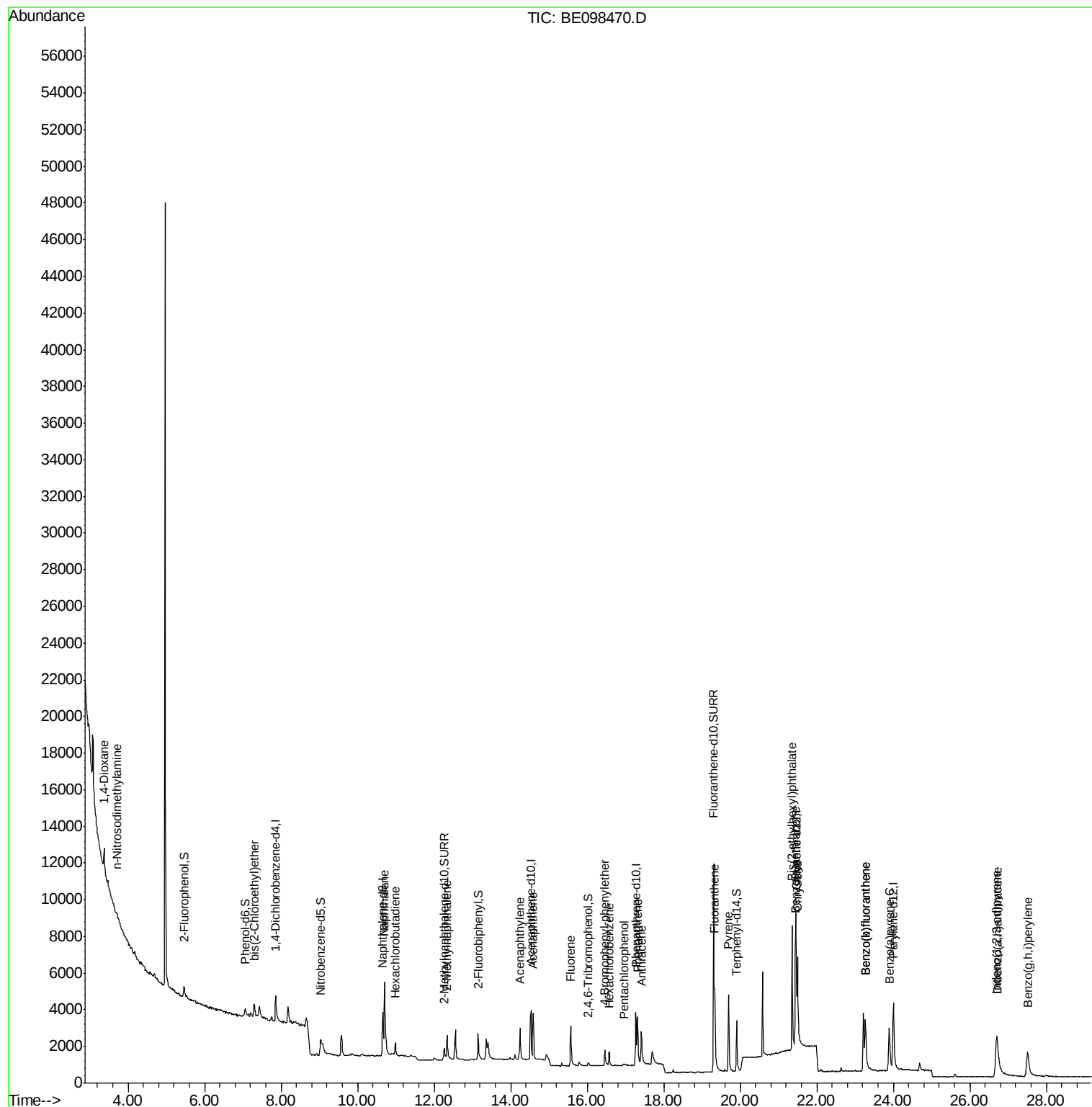
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.37	88	464	0.312	ng	# 75
3) n-Nitrosodimethylamine	3.70	42	250	0.187	ng	# 100
6) bis(2-Chloroethyl)ether	7.30	93	442	0.163	ng	99
9) Naphthalene	10.71	128	8193	0.241	ng	# 97
10) Hexachlorobutadiene	10.99	225	516	0.238	ng	99
12) 2-Methylnaphthalene	12.34	142	1237	0.224	ng	96
16) Acenaphthylene	14.24	152	2257	0.231	ng	97
17) Acenaphthene	14.59	154	1285	0.218	ng	97
18) Fluorene	15.57	166	1775	0.226	ng	99
20) 4-Bromophenyl-phenylether	16.46	248	541	0.179	ng	93
21) Hexachlorobenzene	16.58	284	653	0.201	ng	# 89
22) Pentachlorophenol	16.95	266	80	0.173	ng	# 87
23) Phenanthrene	17.32	178	3137	0.230	ng	99
24) Anthracene	17.41	178	2396	0.197	ng	98
26) Fluoranthene	19.33	202	4633	0.256	ng	98
28) Pyrene	19.69	202	4628	0.199	ng	98
30) Benzo(a)anthracene	21.44	228	4759	0.225	ng	97
31) Chrysene	21.50	228	4986	0.225	ng	97
32) Bis(2-ethylhexyl)phthalate	21.35	149	8072	0.188	ng	99
33) Indeno(1,2,3-cd)pyrene	26.69	276	5009	0.228	ng	# 84
35) Benzo(b)fluoranthene	23.27	252	5580	0.292	ng	100
36) Benzo(k)fluoranthene	23.27	252	5702	0.256	ng	98
37) Benzo(a)pyrene	23.89	252	4966	0.252	ng	# 90
38) Dibenzo(a,h)anthracene	26.72	278	4138	0.223	ng	# 92
39) Benzo(g,h,i)perylene	27.51	276	4335	0.232	ng	99

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

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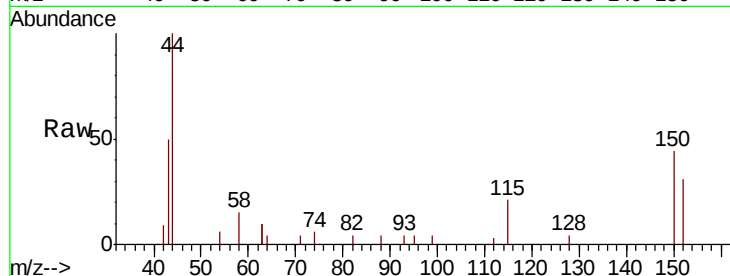


#1

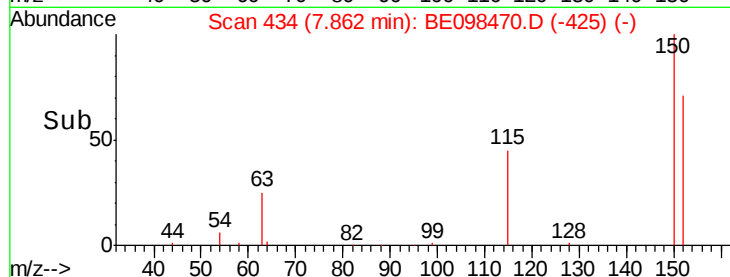
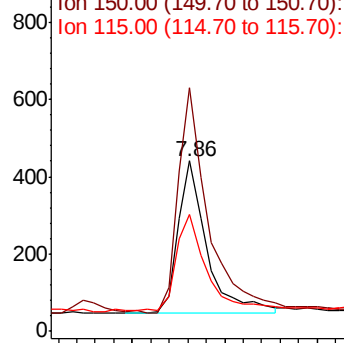
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. -0.00 min
Lab File: BE098470.D
Acq: 15 Dec 2018 13:45

Instrument :
BNA_E
ClientSampleId :
PB115682BS

Tgt Ion: 152 Resp: 860
Ion Ratio Lower Upper
152 100
150 142.9 124.2 186.4
115 68.7 53.9 80.9



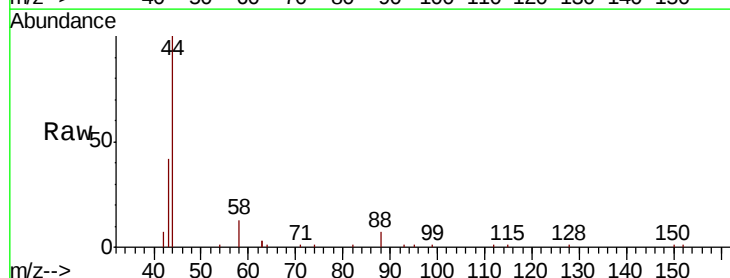
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



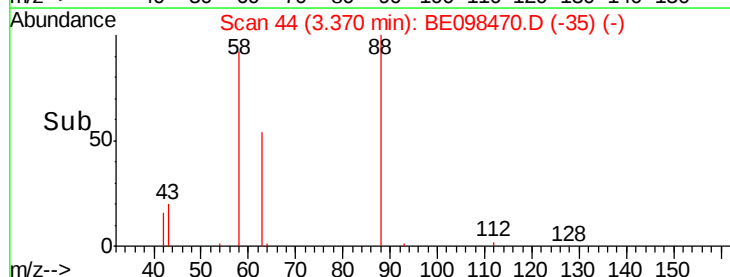
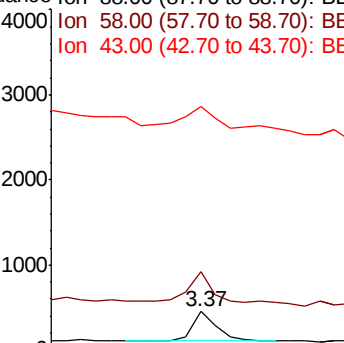
#2

1,4-Dioxane
Concen: 0.312 ng
RT: 3.37 min Scan# 44
Delta R.T. -0.00 min
Lab File: BE098470.D
Acq: 15 Dec 2018 13:45

Tgt Ion: 88 Resp: 464
Ion Ratio Lower Upper
88 100
58 96.6 75.0 112.6
43 93.8 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: 0.187 ng

RT: 3.70 min Scan# 73

Delta R.T. 0.01 min

Lab File: BE098470.D

Acq: 15 Dec 2018 13:45

Instrument :

BNA_E

ClientSampleId :

PB115682BS

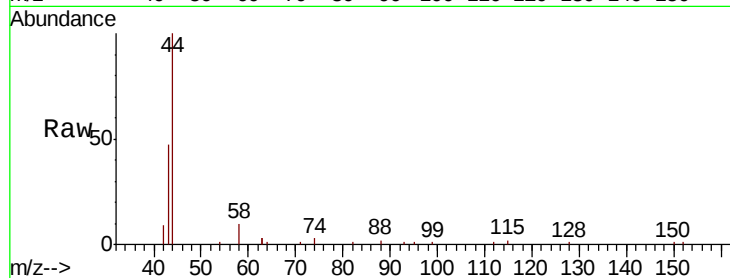
Tgt Ion: 42 Resp: 250

Ion Ratio Lower Upper

42 100

74 84.8 0.0 0.0#

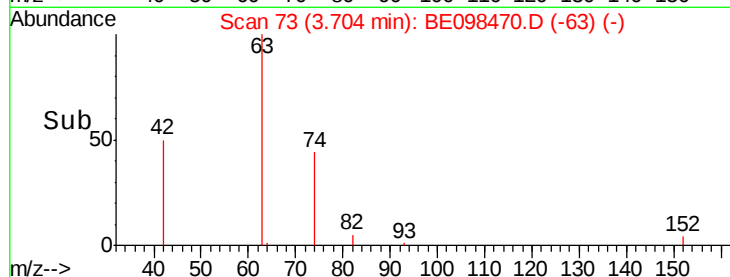
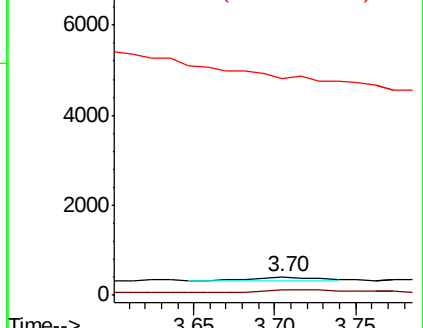
44 0.0 0.0 0.0



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: 0.274 ng

RT: 5.46 min Scan# 225

Delta R.T. 0.01 min

Lab File: BE098470.D

Acq: 15 Dec 2018 13:45

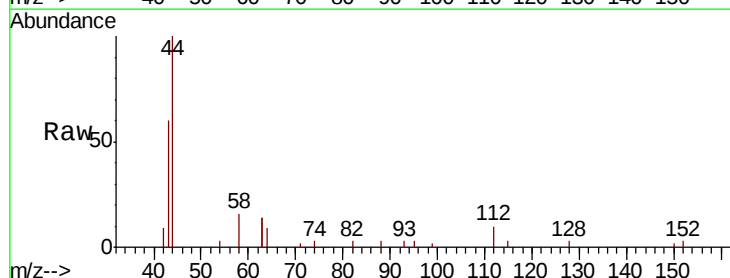
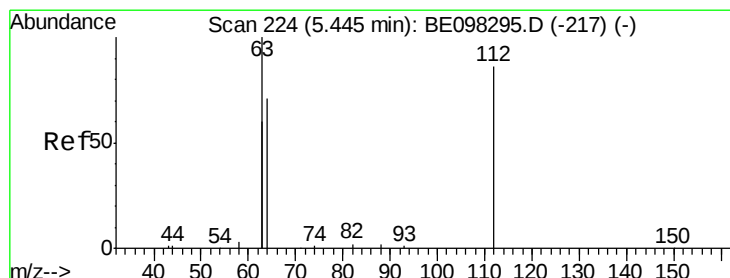
Tgt Ion: 112 Resp: 551

Ion Ratio Lower Upper

112 100

64 64.6 59.8 89.8

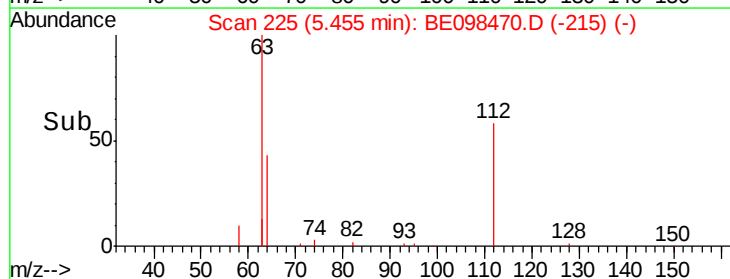
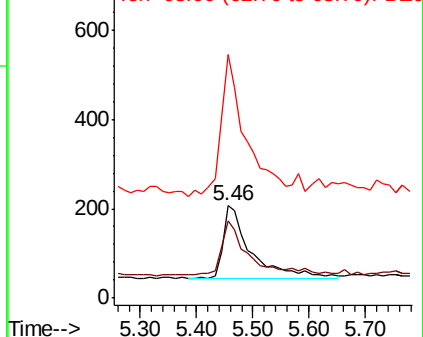
63 176.6 133.7 200.5



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: 0.257 ng

RT: 7.06 min Scan# 364

Delta R.T. 0.01 min

Lab File: BE098470.D

Acq: 15 Dec 2018 13:45

Instrument :

BNA_E

ClientSampleId :

PB115682BS

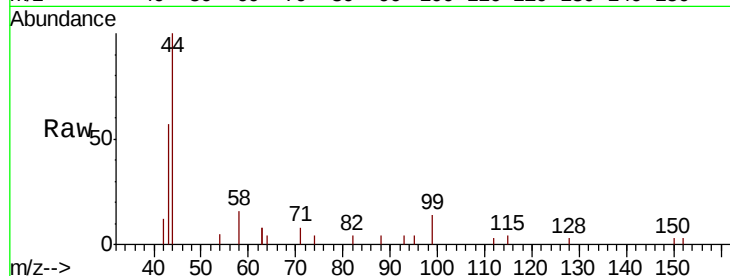
Tgt Ion: 99 Resp: 733

Ion Ratio Lower Upper

99 100

42 25.0 26.3 39.5#

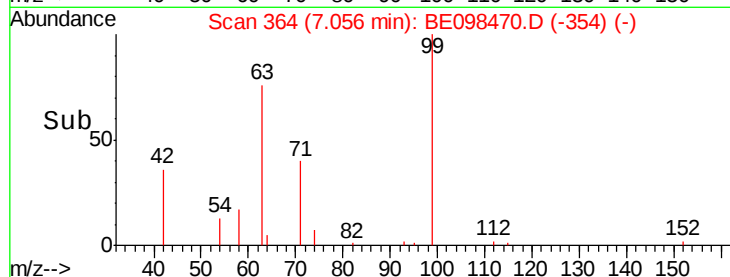
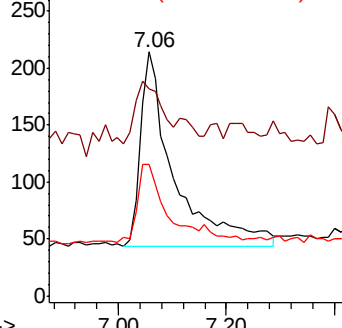
71 35.6 33.6 50.4



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: 0.163 ng

RT: 7.30 min Scan# 385

Delta R.T. 0.01 min

Lab File: BE098470.D

Acq: 15 Dec 2018 13:45

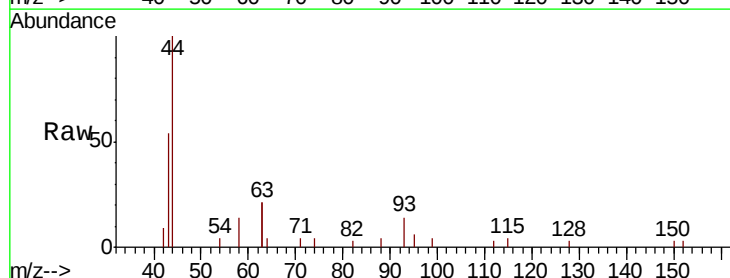
Tgt Ion: 93 Resp: 442

Ion Ratio Lower Upper

93 100

63 331.4 264.4 396.6

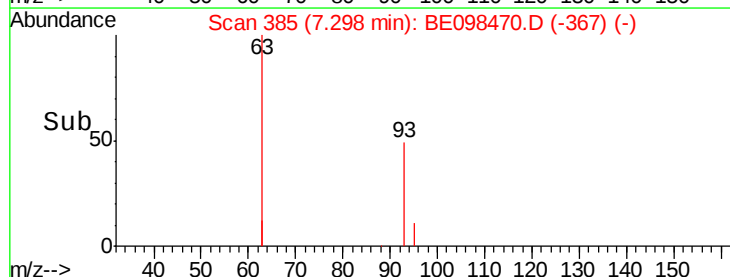
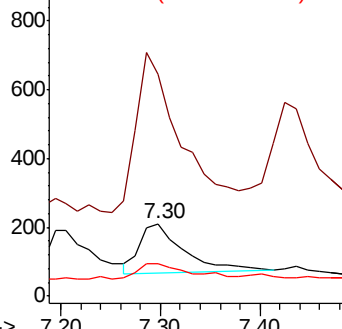
95 38.9 26.6 40.0



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: BE098470.D

Acq: 15 Dec 2018 13:45

Instrument :

BNA_E

ClientSampleId :

PB115682BS

Tgt Ion: 136 Resp: 3381

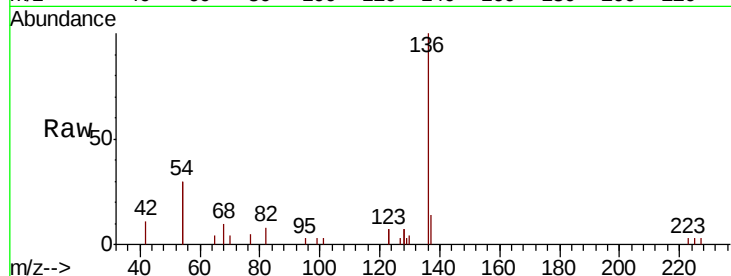
Ion Ratio Lower Upper

136 100

137 14.0 9.2 13.8#

54 61.0 28.4 42.6#

68 9.6 5.4 8.0#

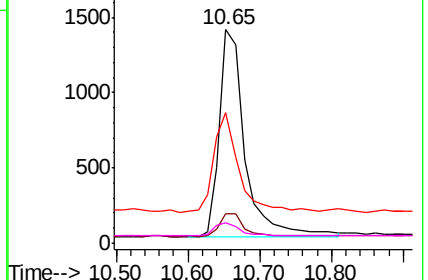
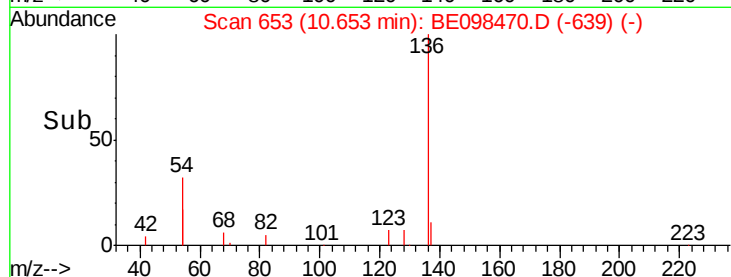


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.241 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.01 min

Lab File: BE098470.D

Acq: 15 Dec 2018 13:45

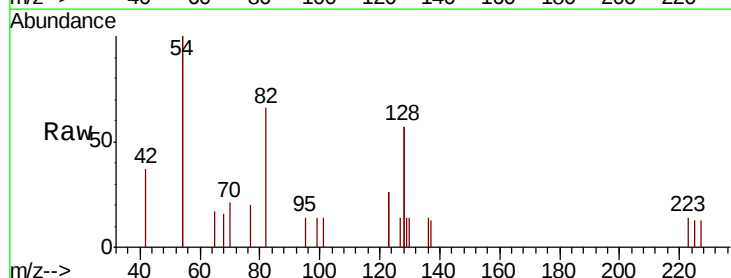
Tgt Ion: 82 Resp: 741

Ion Ratio Lower Upper

82 100

128 174.9 102.4 153.6#

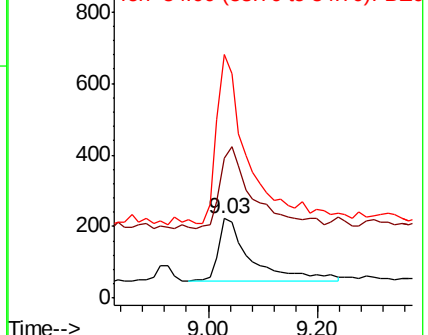
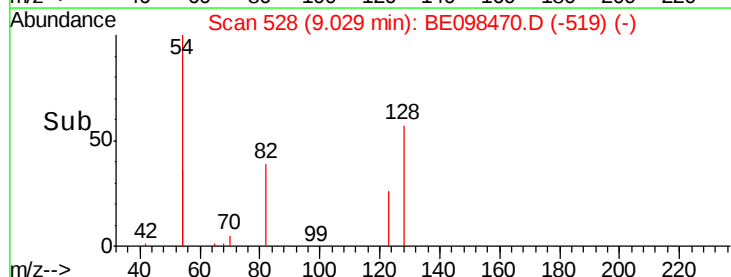
54 304.9 221.8 332.8



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: 0.241 ng

RT: 10.71 min Scan# 657

Delta R.T. -0.00 min

Lab File: BE098470.D

Acq: 15 Dec 2018 13:45

Instrument :

BNA_E

ClientSampleId :

PB115682BS

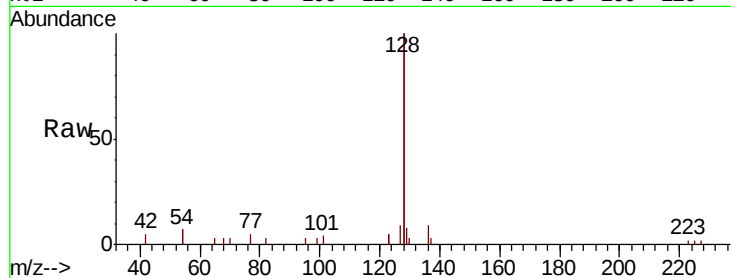
Tgt Ion:128 Resp: 8193

Ion Ratio Lower Upper

128 100

129 3.8 2.5 3.7#

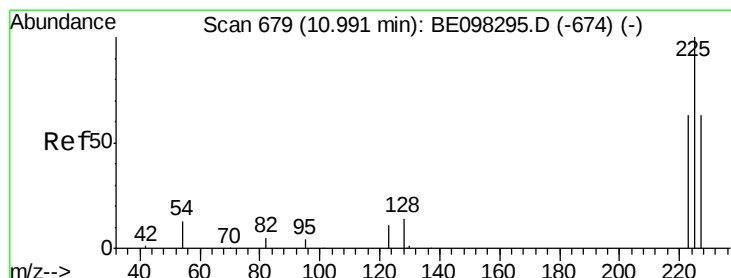
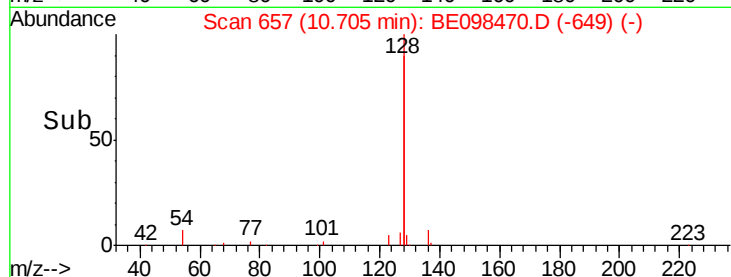
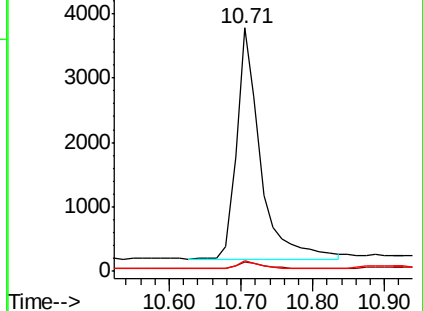
127 4.4 2.7 4.1#



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: 0.238 ng

RT: 10.99 min Scan# 679

Delta R.T. -0.00 min

Lab File: BE098470.D

Acq: 15 Dec 2018 13:45

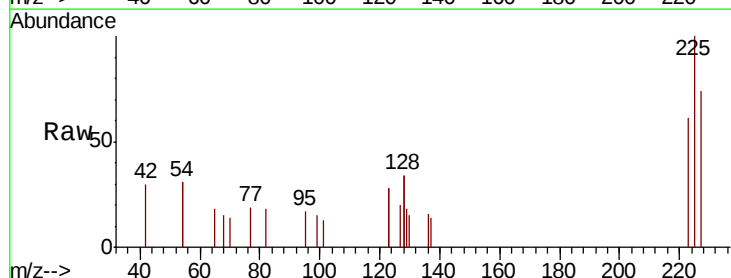
Tgt Ion:225 Resp: 516

Ion Ratio Lower Upper

225 100

223 61.2 49.4 74.0

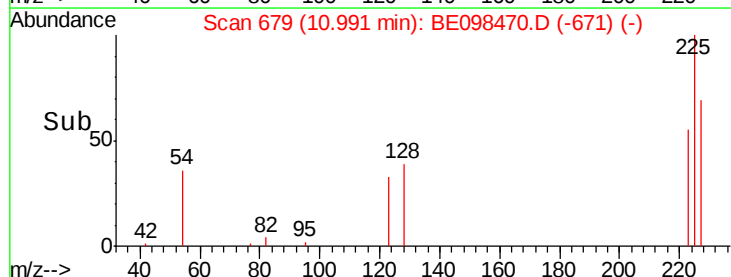
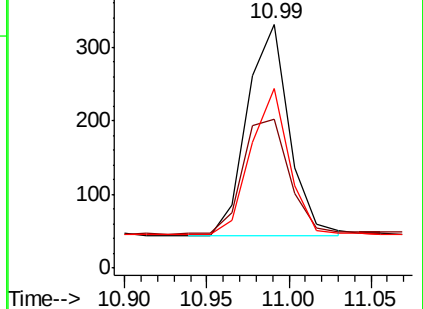
227 63.4 52.0 78.0

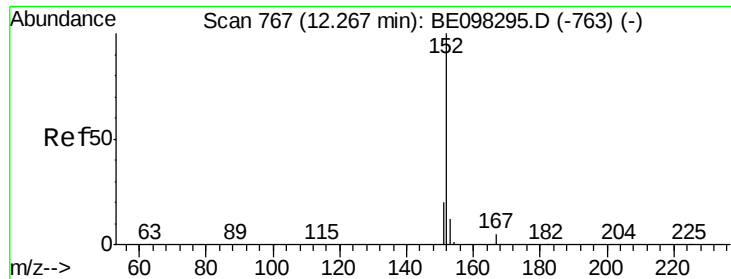


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

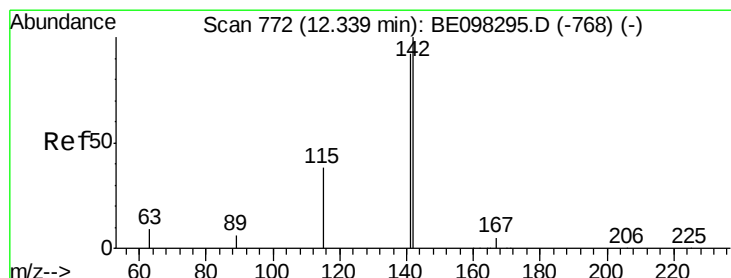
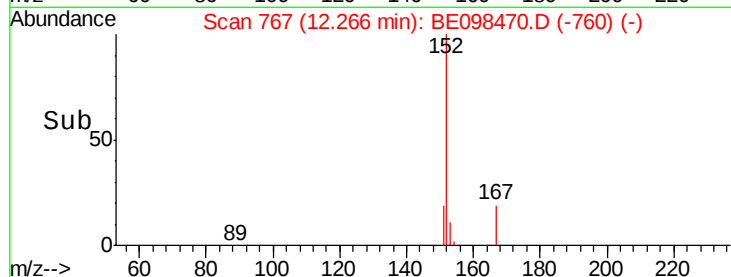
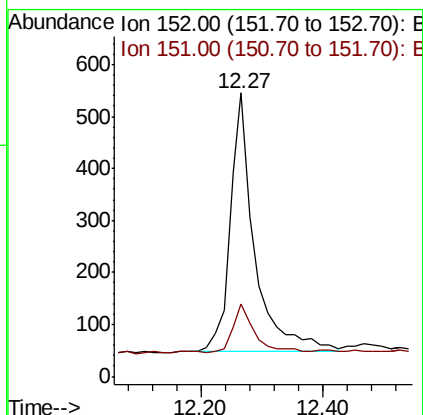
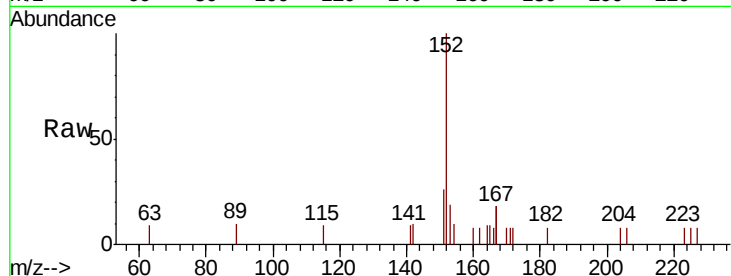




#11
 2-Methylnaphthalene-d10
 Concen: 0.256 ng
 RT: 12.27 min Scan# 767
 Delta R.T. -0.00 min
 Lab File: BE098470.D
 Acq: 15 Dec 2018 13:45

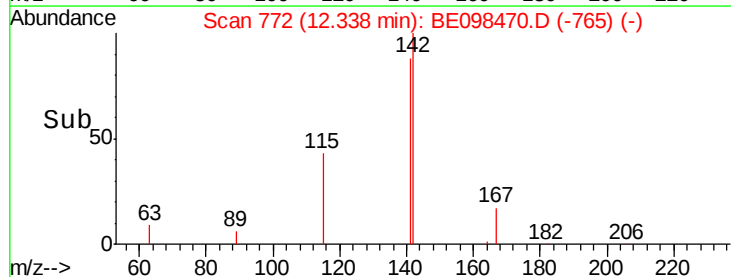
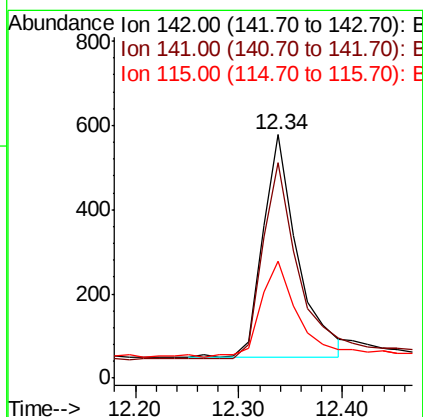
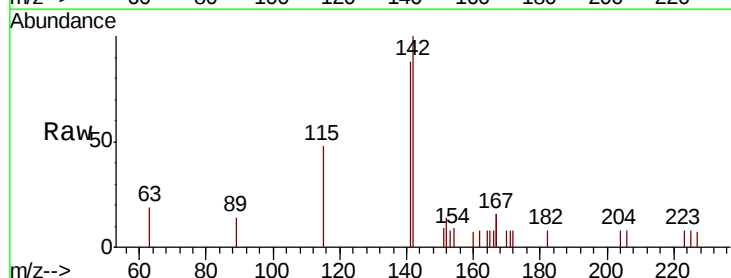
Instrument :
 BNA_E
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 PB115682BS

Tgt Ion:152 Resp: 1410
 Ion Ratio Lower Upper
 152 100
 151 16.5 16.2 24.4



#12
 2-Methylnaphthalene
 Concen: 0.224 ng
 RT: 12.34 min Scan# 772
 Delta R.T. -0.00 min
 Lab File: BE098470.D
 Acq: 15 Dec 2018 13:45

Tgt Ion:142 Resp: 1237
 Ion Ratio Lower Upper
 142 100
 141 88.2 71.0 106.6
 115 48.1 32.2 48.2

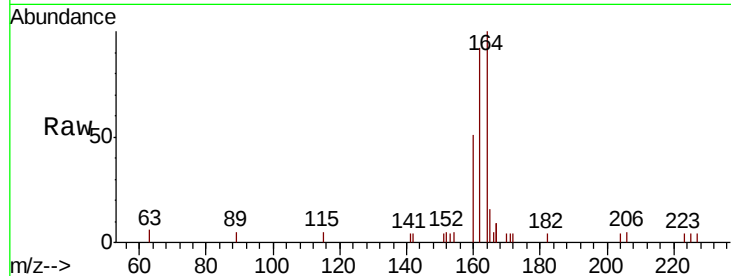




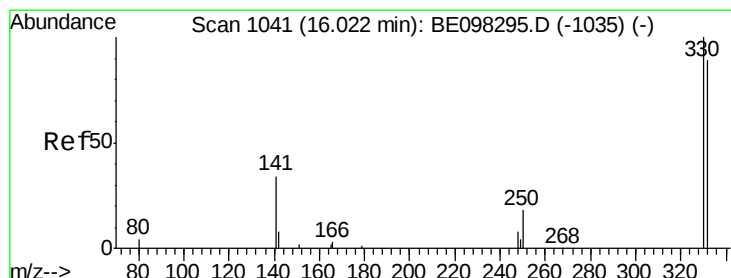
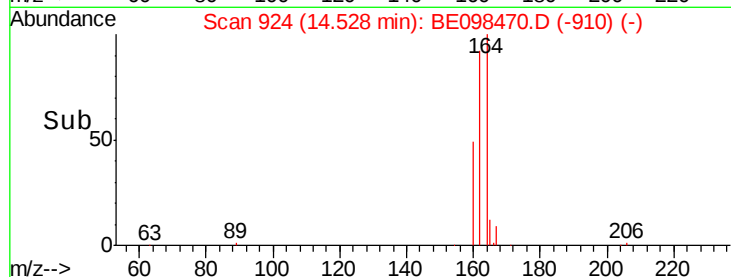
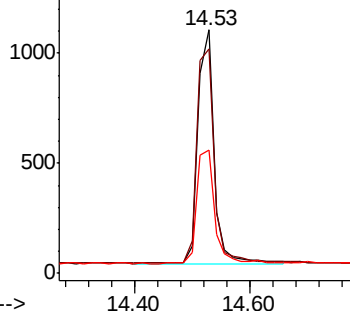
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.00 min
Lab File: BE098470.D
Acq: 15 Dec 2018 13:45

Instrument :
BNA_E
ClientSampleId :
PB115682BS

Tgt Ion:164 Resp: 2090
Ion Ratio Lower Upper
164 100
162 92.0 77.6 116.4
160 50.6 36.0 54.0

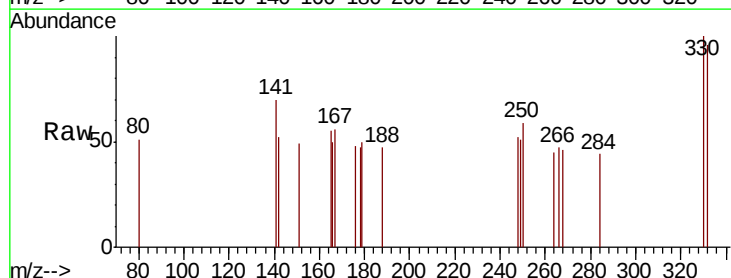


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

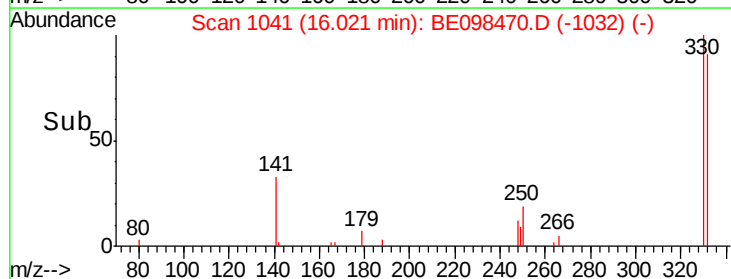
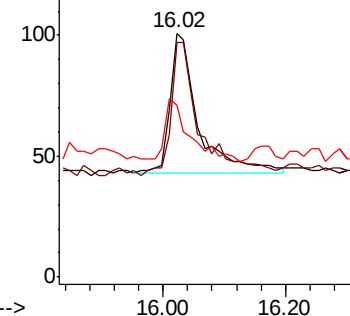


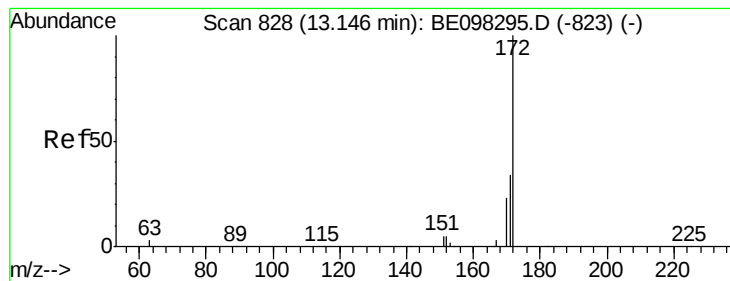
#14
2,4,6-Tribromophenol
Concen: 0.241 ng
RT: 16.02 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BE098470.D
Acq: 15 Dec 2018 13:45

Tgt Ion:330 Resp: 185
Ion Ratio Lower Upper
330 100
332 98.9 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: 0.221 ng

RT: 13.14 min Scan# 828

Delta R.T. -0.00 min

Lab File: BE098470.D

Acq: 15 Dec 2018 13:45

Instrument :

BNA_E

ClientSampleId :

PB115682BS

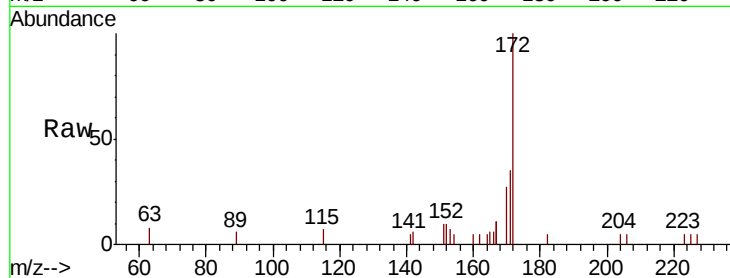
Tgt Ion:172 Resp: 1945

Ion Ratio Lower Upper

172 100

171 35.3 27.5 41.3

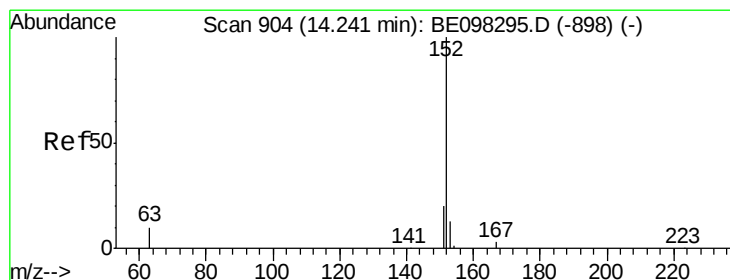
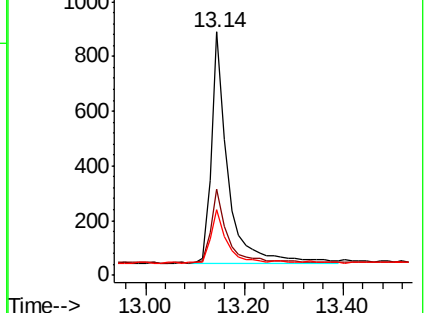
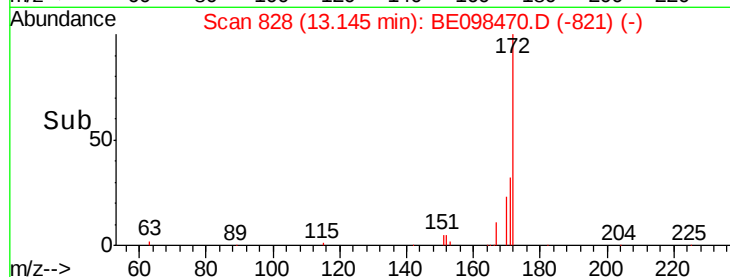
170 27.2 19.6 29.4



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: 0.231 ng

RT: 14.24 min Scan# 904

Delta R.T. -0.00 min

Lab File: BE098470.D

Acq: 15 Dec 2018 13:45

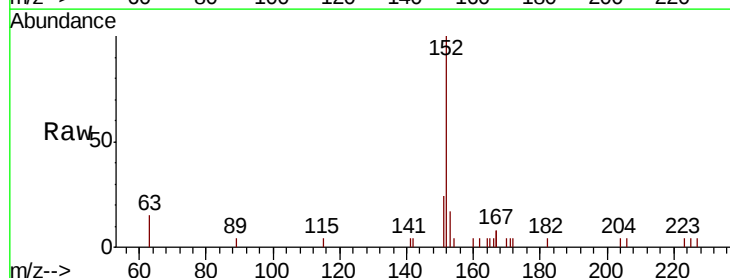
Tgt Ion:152 Resp: 2257

Ion Ratio Lower Upper

152 100

151 21.4 15.5 23.3

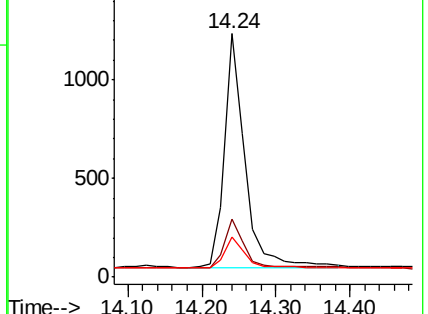
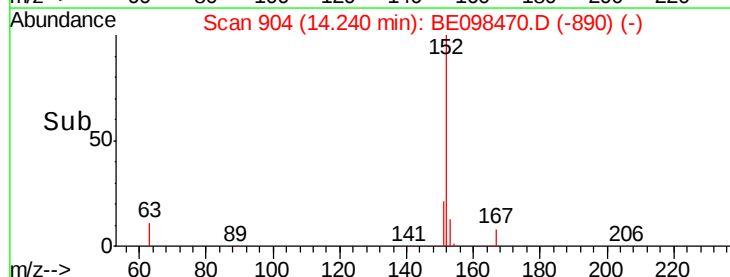
153 13.4 10.6 16.0



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: 0.218 ng

RT: 14.59 min Scan# 928

Delta R.T. -0.00 min

Lab File: BE098470.D

Acq: 15 Dec 2018 13:45

Instrument :

BNA_E

ClientSampleId :

PB115682BS

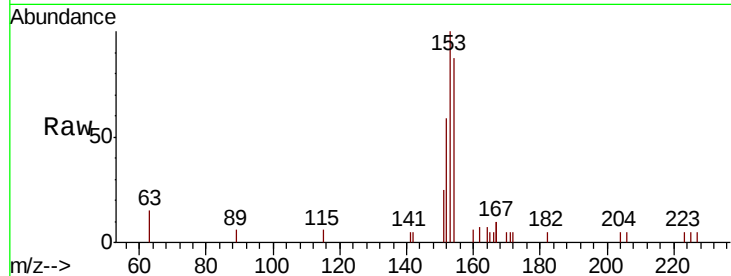
Tgt Ion:154 Resp: 1285

Ion Ratio Lower Upper

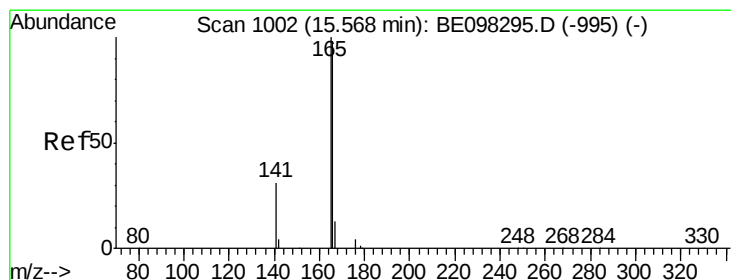
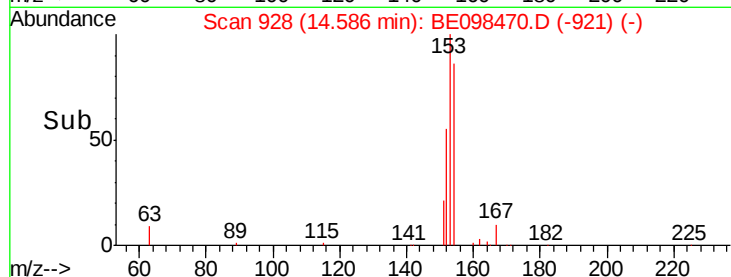
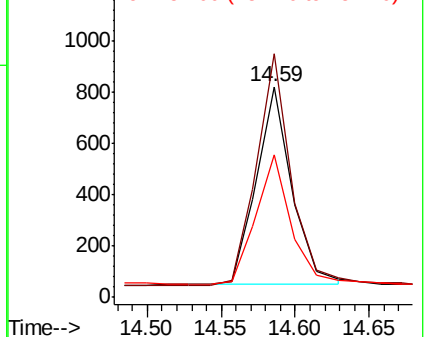
154 100

153 114.3 91.8 137.6

152 63.7 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: 0.226 ng

RT: 15.57 min Scan# 1002

Delta R.T. -0.00 min

Lab File: BE098470.D

Acq: 15 Dec 2018 13:45

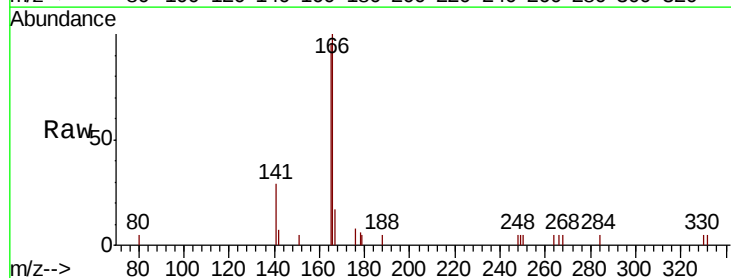
Tgt Ion:166 Resp: 1775

Ion Ratio Lower Upper

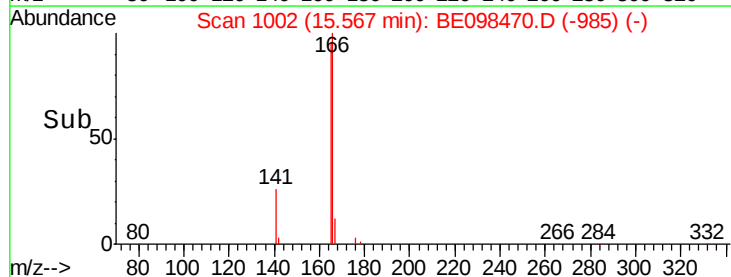
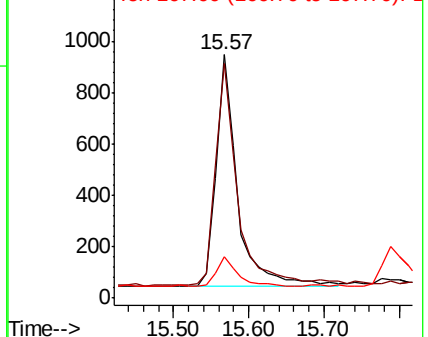
166 100

165 98.3 79.3 118.9

167 13.0 11.3 16.9



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.27 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BE098470.D

Acq: 15 Dec 2018 13:45

Instrument :

BNA_E

ClientSampleId :

PB115682BS

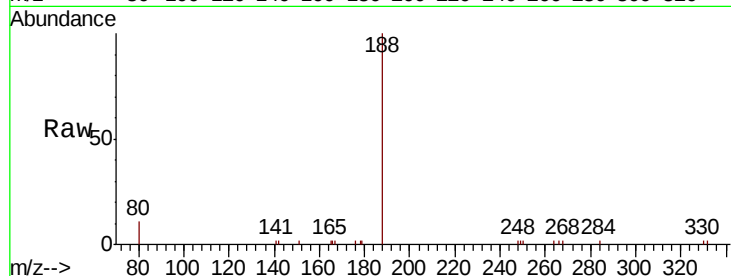
Tgt Ion:188 Resp: 5623

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

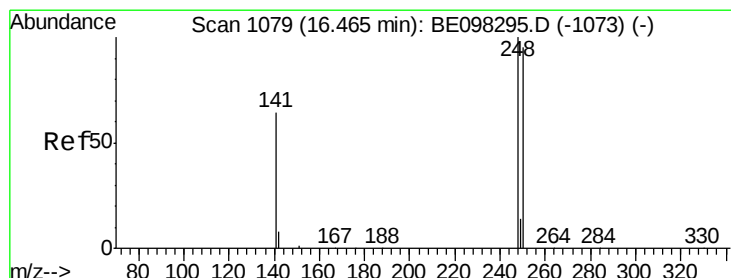
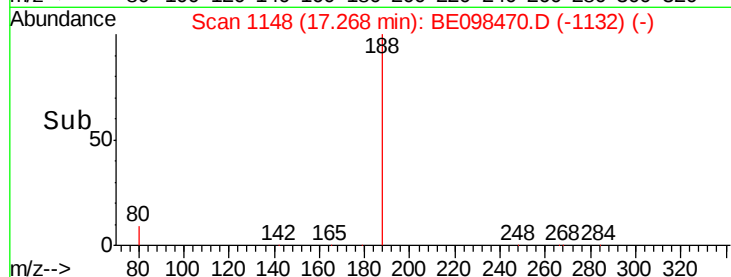
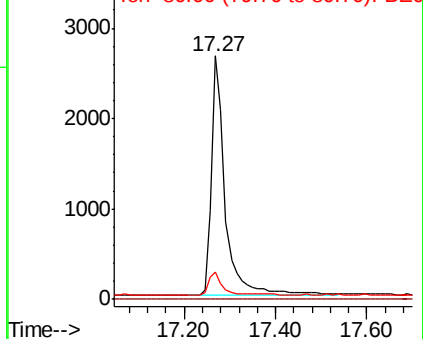
80 11.2 7.2 10.8#



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: 0.179 ng

RT: 16.46 min Scan# 1079

Delta R.T. -0.00 min

Lab File: BE098470.D

Acq: 15 Dec 2018 13:45

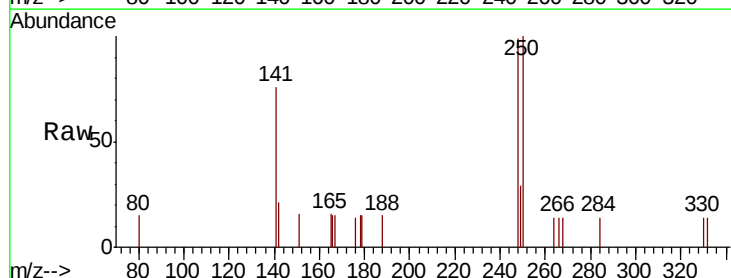
Tgt Ion:248 Resp: 541

Ion Ratio Lower Upper

248 100

250 100.6 71.0 106.6

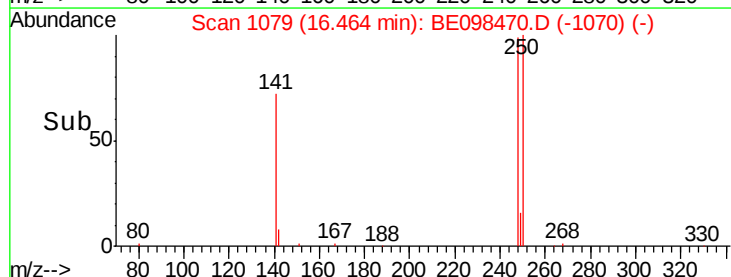
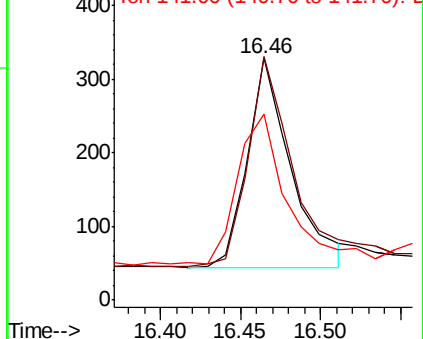
141 76.6 62.1 93.1



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.201 ng

RT: 16.58 min Scan# 1089

Delta R.T. -0.00 min

Lab File: BE098470.D

Acq: 15 Dec 2018 13:45

Instrument :

BNA_E

ClientSampleId :

PB115682BS

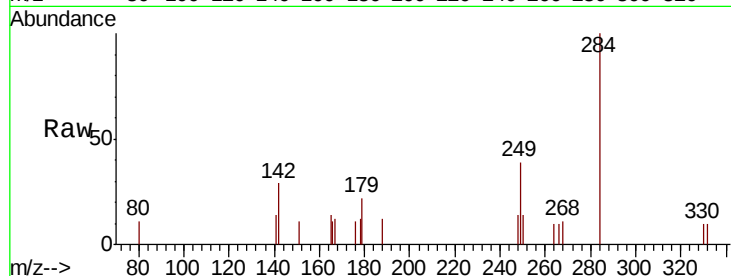
Tgt Ion: 284 Resp: 653

Ion Ratio Lower Upper

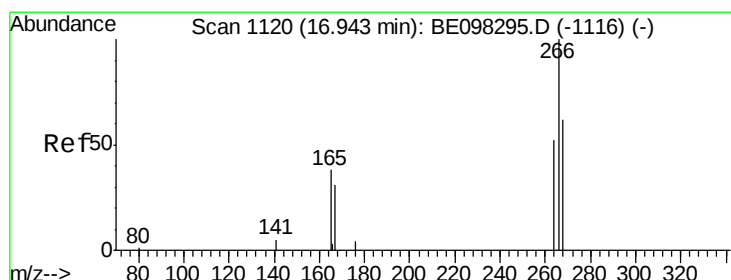
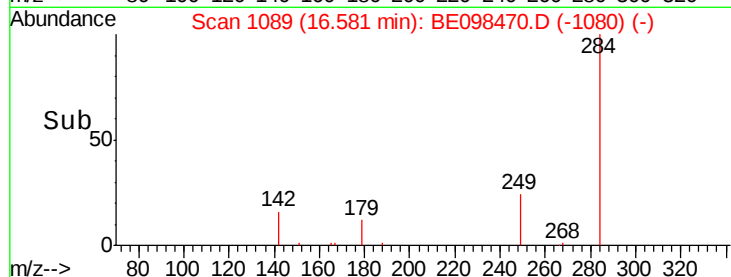
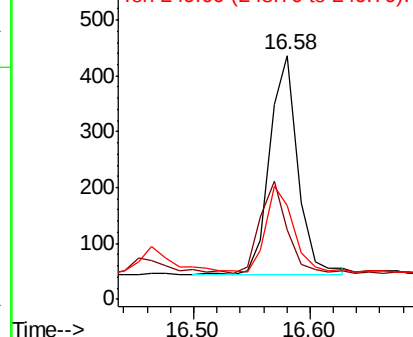
284 100

142 40.7 26.3 39.5#

249 36.9 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: 0.173 ng

RT: 16.95 min Scan# 1121

Delta R.T. 0.01 min

Lab File: BE098470.D

Acq: 15 Dec 2018 13:45

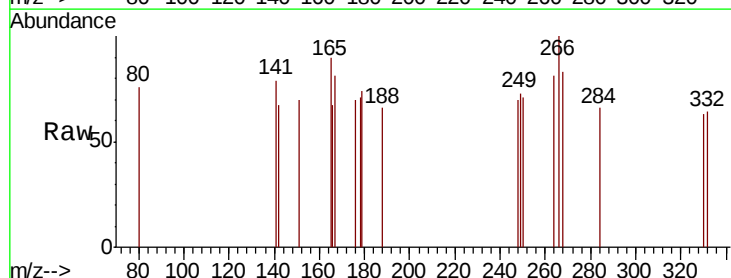
Tgt Ion: 266 Resp: 80

Ion Ratio Lower Upper

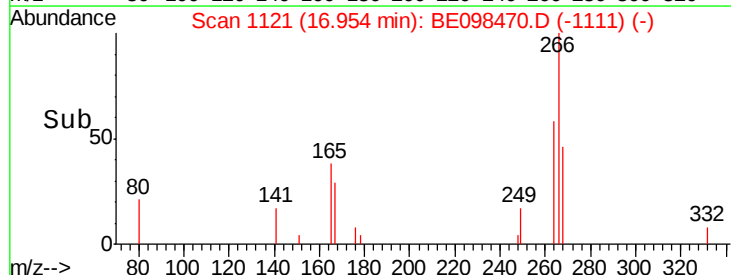
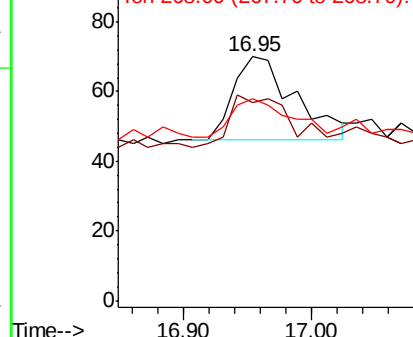
266 100

264 81.4 59.0 88.4

268 82.9 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: 0.230 ng

RT: 17.32 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BE098470.D

Acq: 15 Dec 2018 13:45

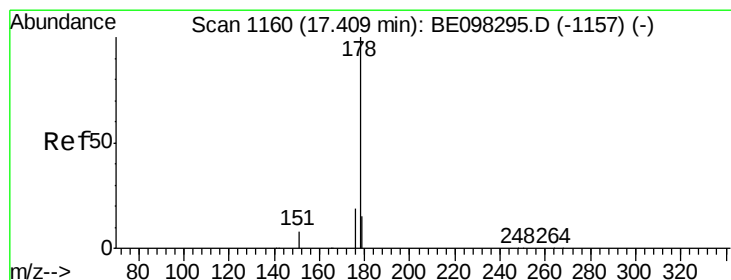
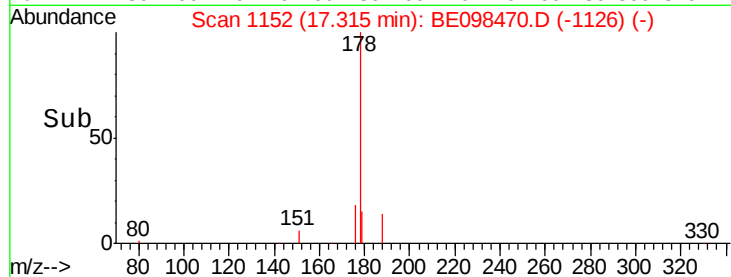
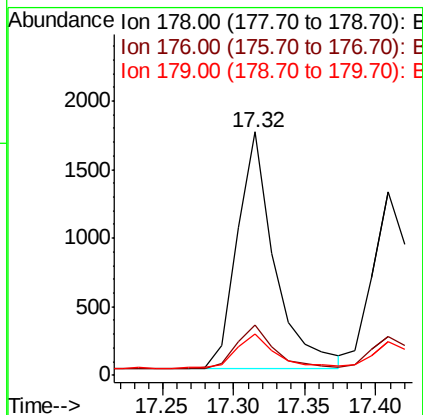
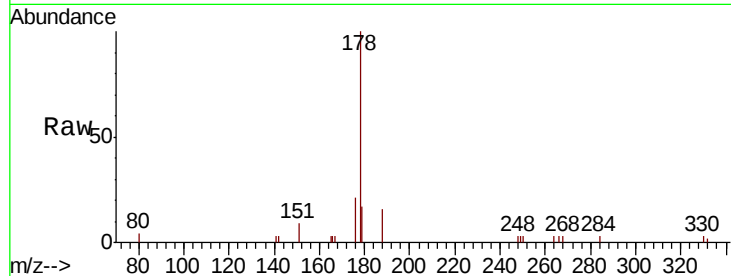
Instrument :

BNA_E

ClientSampleId :

PB115682BS

Tgt Ion:	178	Resp:	3137
Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.9	23.9
179	15.7	12.3	18.5



#24

Anthracene

Concen: 0.197 ng

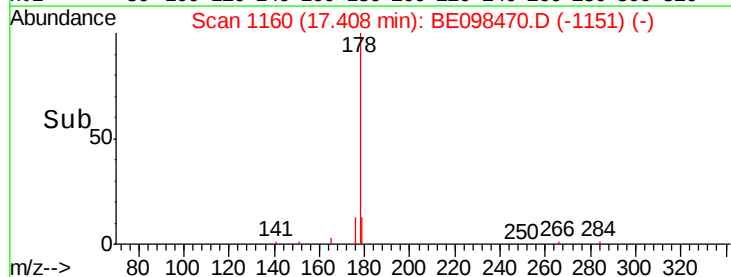
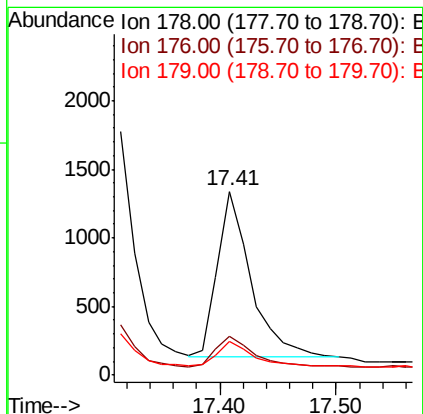
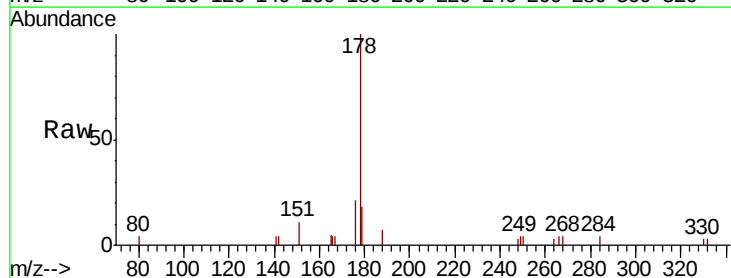
RT: 17.41 min Scan# 1160

Delta R.T. -0.00 min

Lab File: BE098470.D

Acq: 15 Dec 2018 13:45

Tgt Ion:	178	Resp:	2396
Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.0	22.4
179	15.2	12.3	18.5

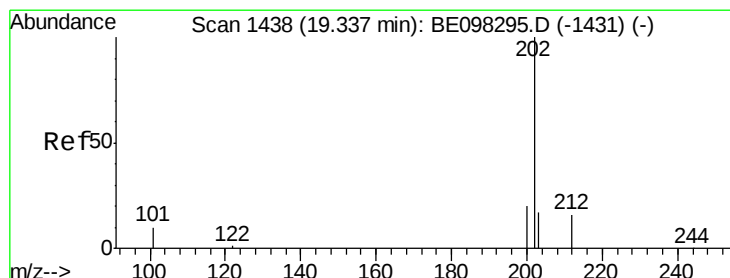
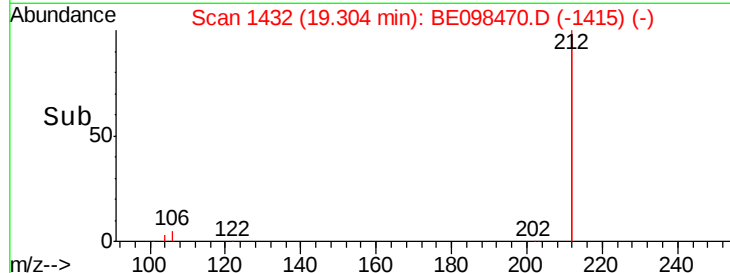
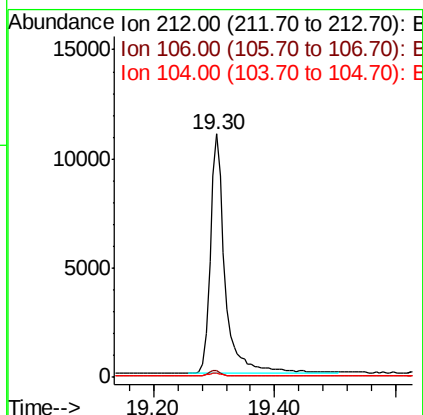
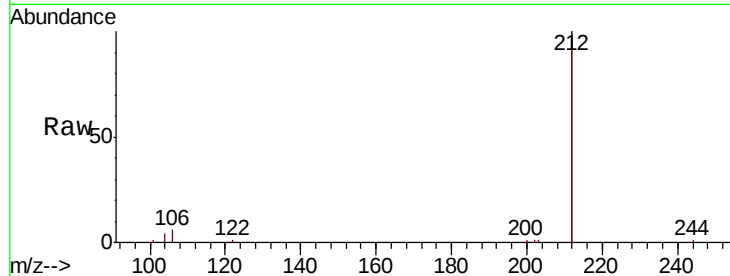




#25
 Fluoranthene-d10
 Concen: 0.259 ng
 RT: 19.30 min Scan# 1432
 Delta R.T. -0.00 min
 Lab File: BE098470.D
 Acq: 15 Dec 2018 13:45

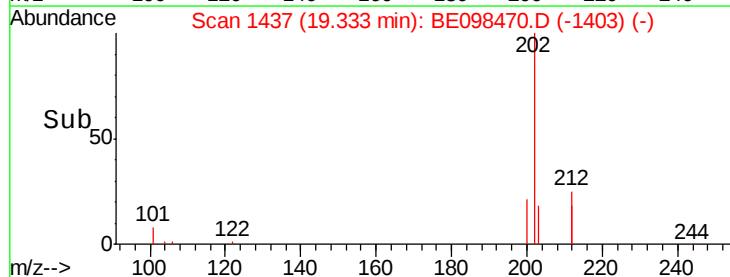
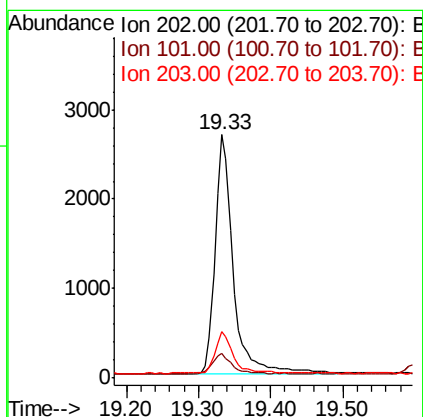
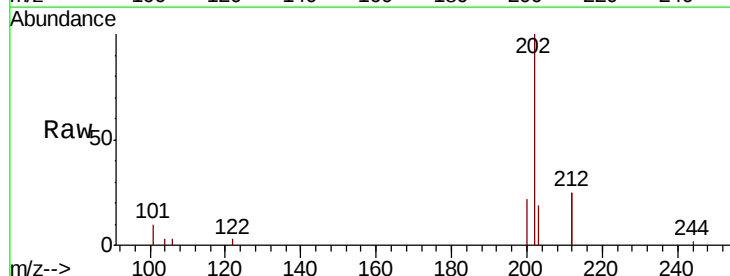
Instrument :
 BNA_E
 ClientSampleId :
 PB115682BS

Tgt Ion: 212 Resp: 18702
 Ion Ratio Lower Upper
 212 100
 106 2.4 2.2 3.2
 104 1.4 1.3 1.9



#26
 Fluoranthene
 Concen: 0.256 ng
 RT: 19.33 min Scan# 1437
 Delta R.T. -0.00 min
 Lab File: BE098470.D
 Acq: 15 Dec 2018 13:45

Tgt Ion: 202 Resp: 4633
 Ion Ratio Lower Upper
 202 100
 101 9.0 8.0 12.0
 203 16.8 13.8 20.6





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.46 min Scan# 1671

Delta R.T. -0.00 min

Lab File: BE098470.D

Acq: 15 Dec 2018 13:45

Instrument :

BNA_E

ClientSampleId :

PB115682BS

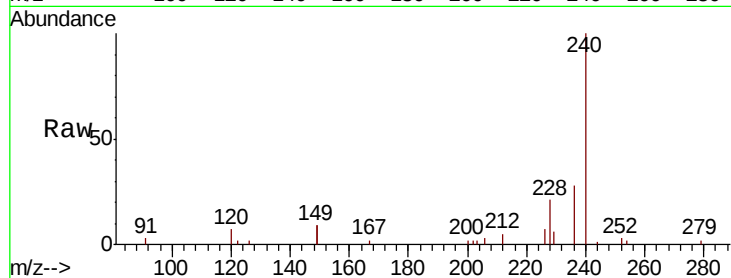
Tgt Ion:240 Resp: 7413

Ion Ratio Lower Upper

240 100

120 7.1 9.5 14.3#

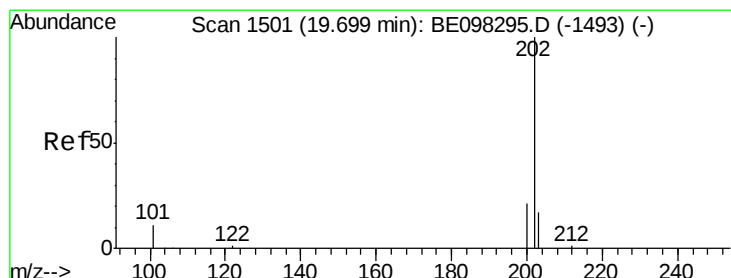
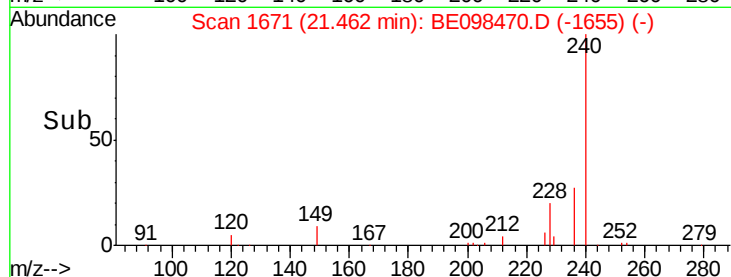
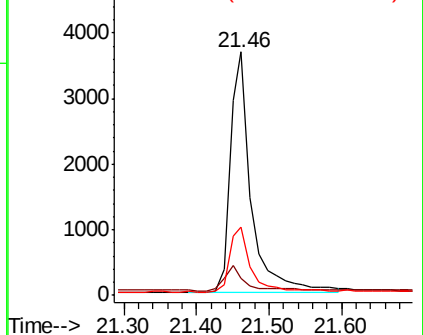
236 27.8 22.7 34.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.199 ng

RT: 19.69 min Scan# 1500

Delta R.T. -0.00 min

Lab File: BE098470.D

Acq: 15 Dec 2018 13:45

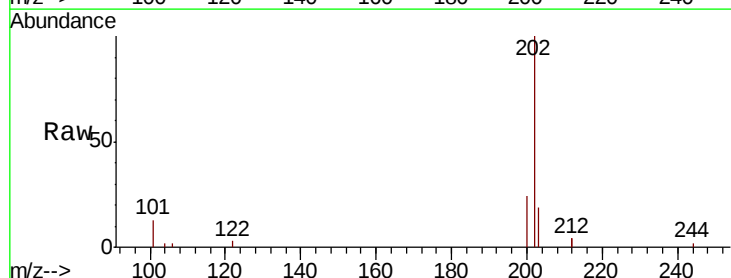
Tgt Ion:202 Resp: 4628

Ion Ratio Lower Upper

202 100

200 22.4 16.7 25.1

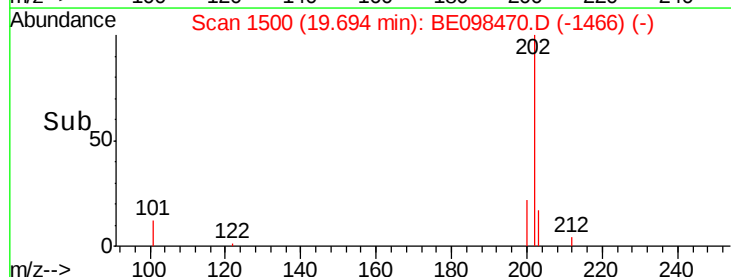
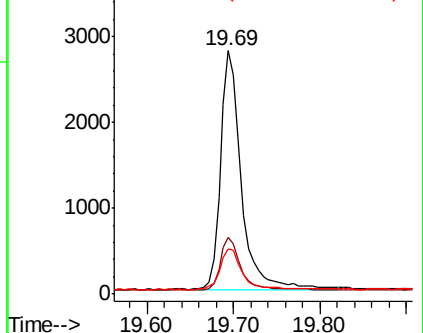
203 18.3 14.1 21.1

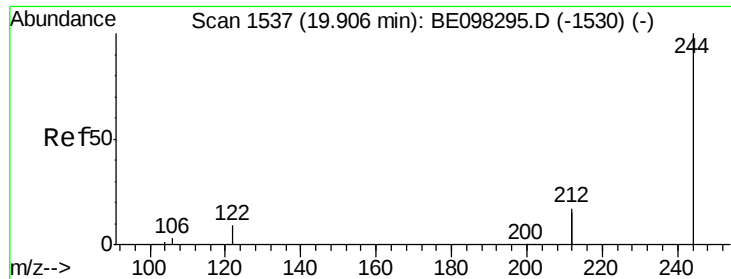


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.183 ng

RT: 19.90 min Scan# 1536

Delta R.T. -0.00 min

Lab File: BE098470.D

Acq: 15 Dec 2018 13:45

Instrument :

BNA_E

ClientSampleId :

PB115682BS

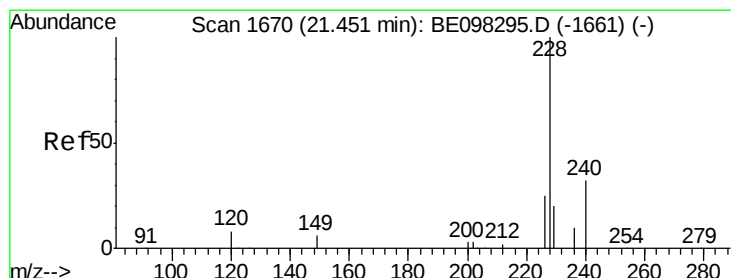
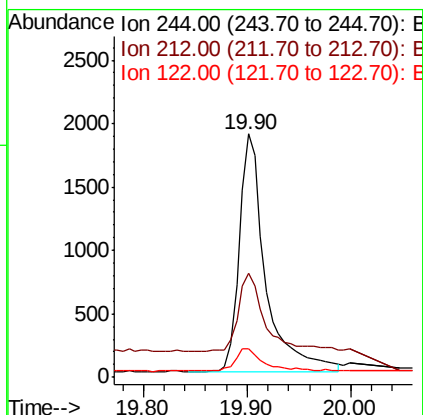
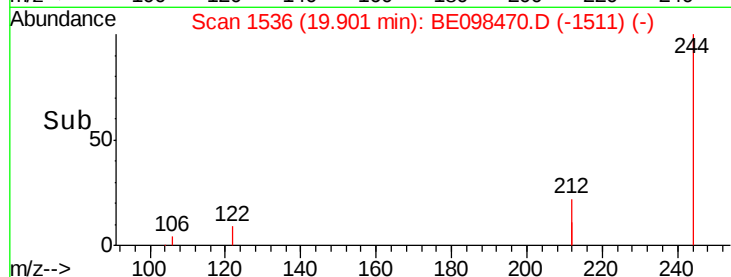
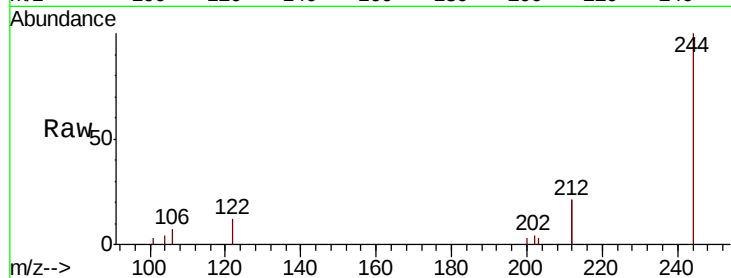
Tgt Ion:244 Resp: 3303

Ion Ratio Lower Upper

244 100

212 42.5 27.4 41.0#

122 11.8 8.3 12.5



#30

Benzo(a)anthracene

Concen: 0.225 ng

RT: 21.44 min Scan# 1669

Delta R.T. -0.01 min

Lab File: BE098470.D

Acq: 15 Dec 2018 13:45

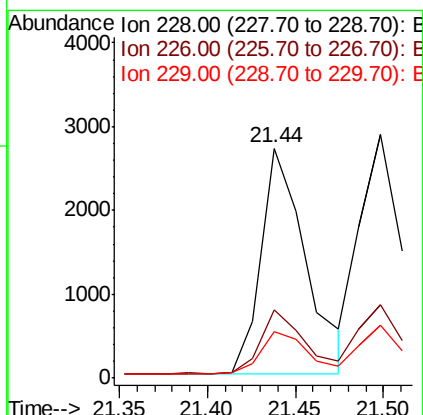
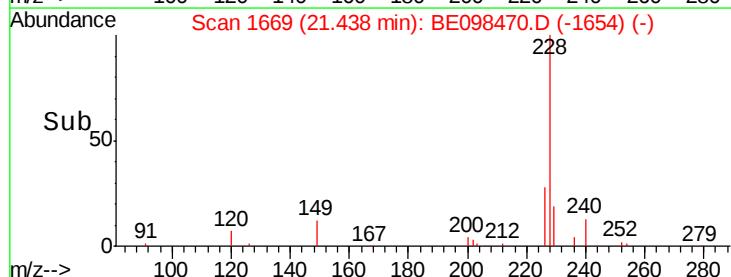
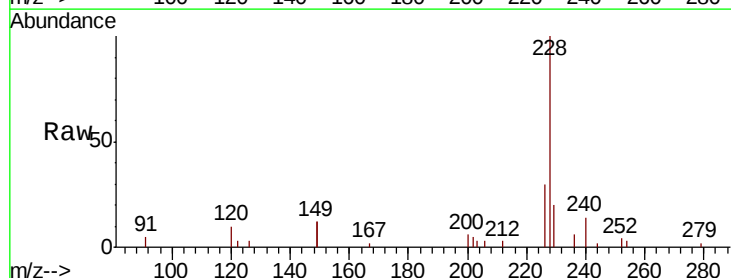
Tgt Ion:228 Resp: 4759

Ion Ratio Lower Upper

228 100

226 29.9 21.8 32.8

229 20.5 16.3 24.5





#31

Chrysene

Concen: 0.225 ng

RT: 21.50 min Scan# 1674

Delta R.T. -0.00 min

Lab File: BE098470.D

Acq: 15 Dec 2018 13:45

Instrument :

BNA_E

ClientSampleId :

PB115682BS

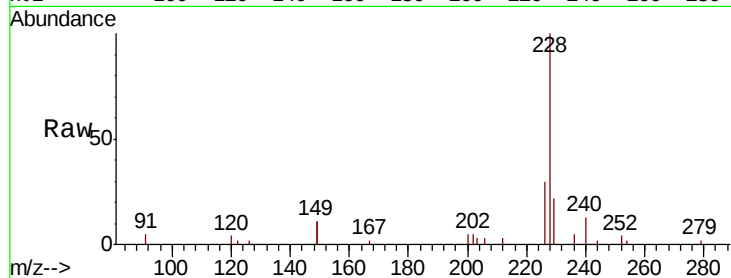
Tgt Ion:228 Resp: 4986

Ion Ratio Lower Upper

228 100

226 30.4 23.4 35.0

229 21.8 16.2 24.4

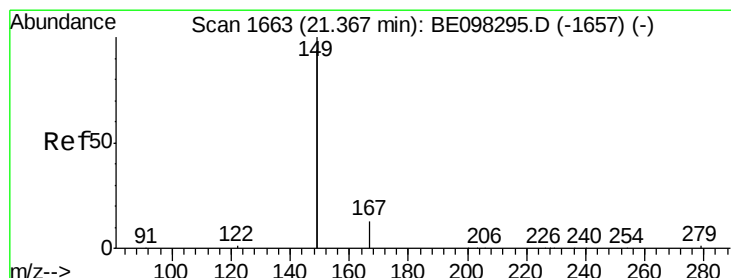
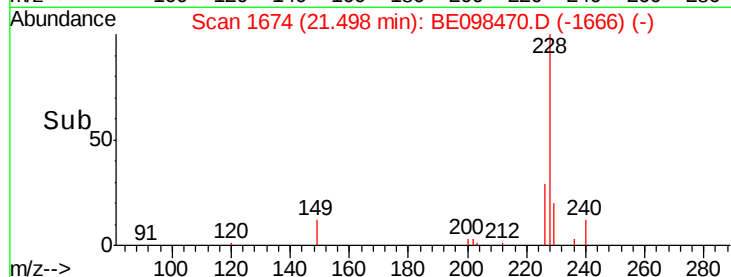
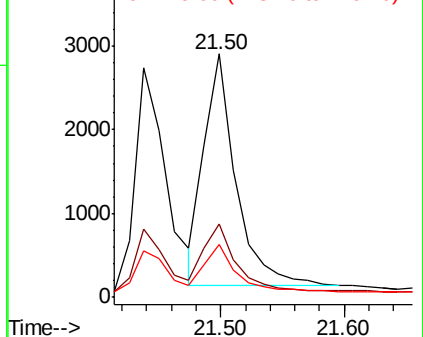


Abundance

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: 0.188 ng

RT: 21.35 min Scan# 1662

Delta R.T. -0.01 min

Lab File: BE098470.D

Acq: 15 Dec 2018 13:45

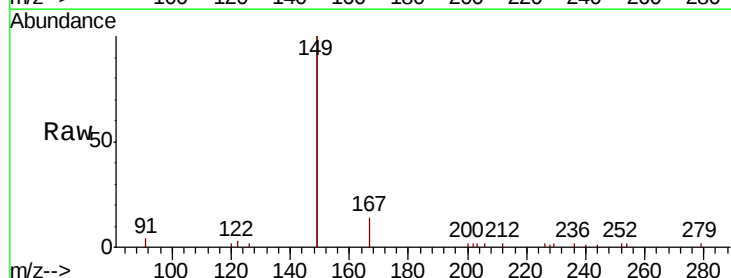
Tgt Ion:149 Resp: 8072

Ion Ratio Lower Upper

149 100

167 6.9 5.7 8.5

279 1.1 1.0 1.4

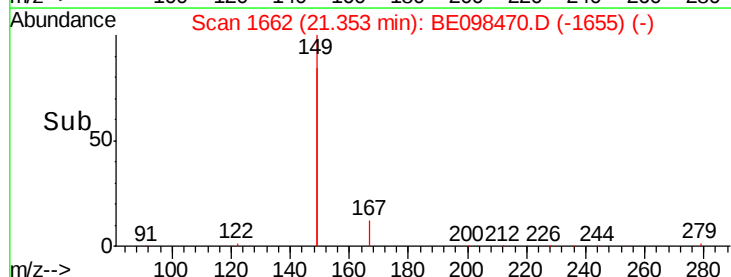
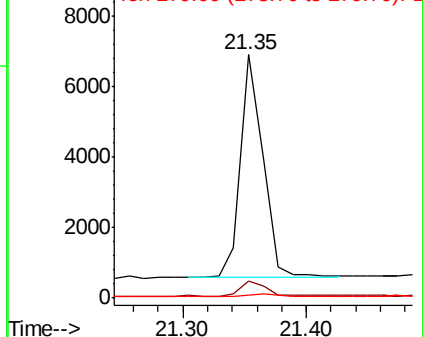


Abundance

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: 0.228 ng

RT: 26.69 min Scan# 3019

Delta R.T. -0.01 min

Lab File: BE098470.D

Acq: 15 Dec 2018 13:45

Instrument :

BNA_E

ClientSampleId :

PB115682BS

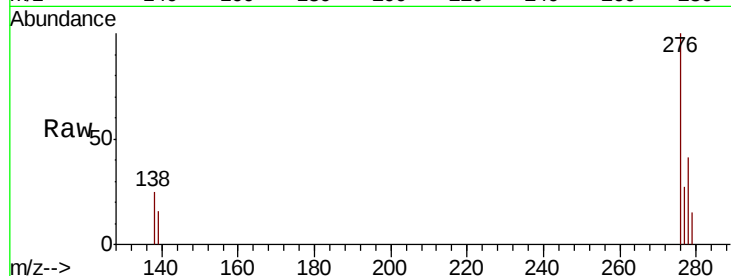
Tgt Ion:276 Resp: 5009

Ion Ratio Lower Upper

276 100

138 6.6 16.3 24.5#

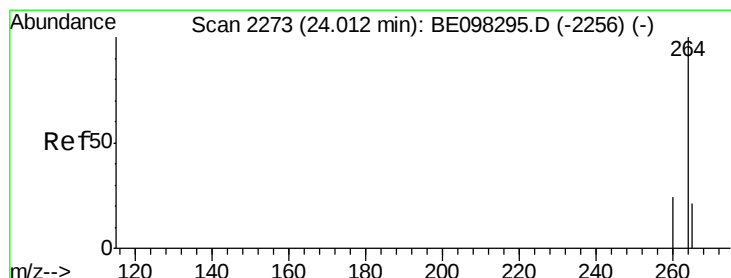
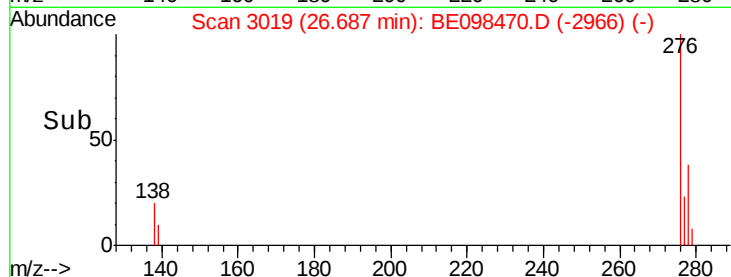
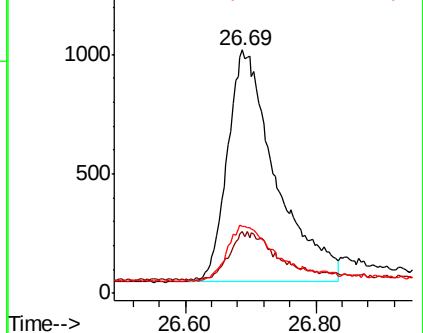
277 22.4 20.2 30.4



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: BE098470.D

Acq: 15 Dec 2018 13:45

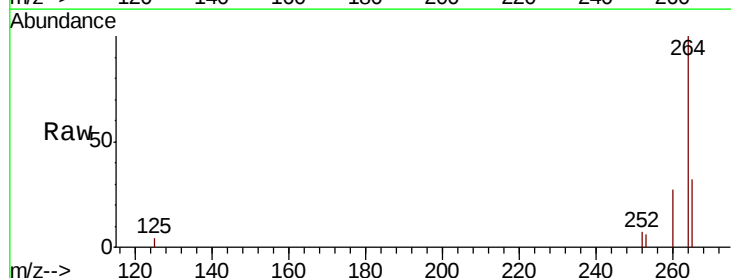
Tgt Ion:264 Resp: 6984

Ion Ratio Lower Upper

264 100

260 26.9 20.2 30.2

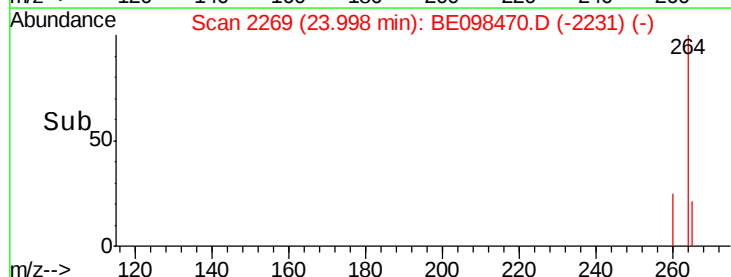
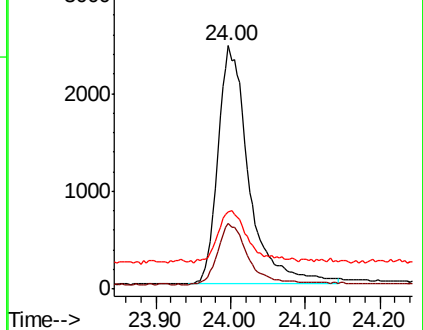
265 31.6 25.2 37.8



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: BE098470.D

Acq: 15 Dec 2018 13:45

Instrument :

BNA_E

ClientSampleId :

PB115682BS

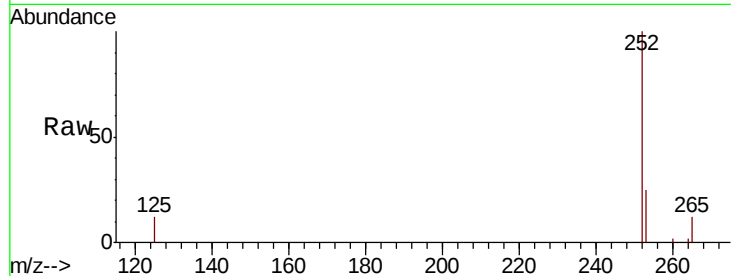
Tgt Ion:252 Resp: 5580

Ion Ratio Lower Upper

252 100

253 24.9 20.0 30.0

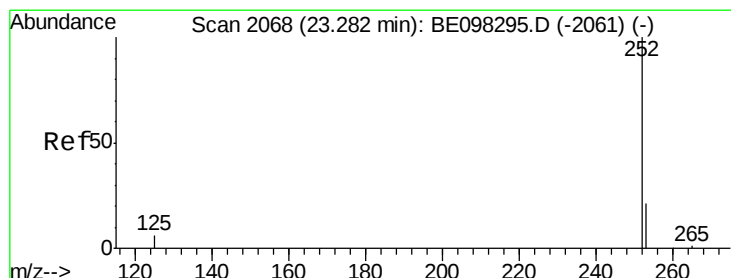
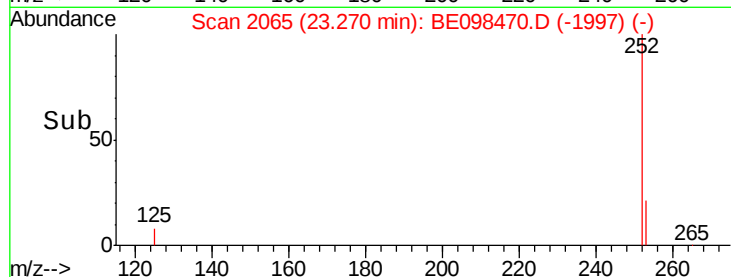
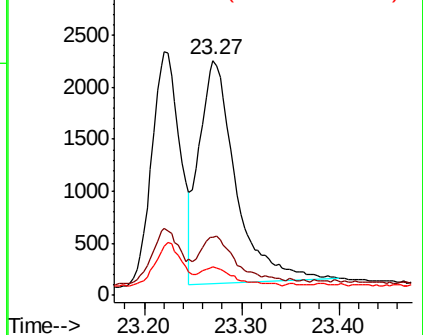
125 12.2 9.6 14.4



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: 0.256 ng

RT: 23.27 min Scan# 2065

Delta R.T. -0.01 min

Lab File: BE098470.D

Acq: 15 Dec 2018 13:45

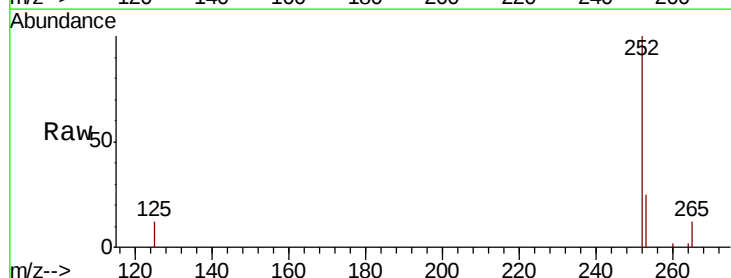
Tgt Ion:252 Resp: 5702

Ion Ratio Lower Upper

252 100

253 24.9 19.0 28.6

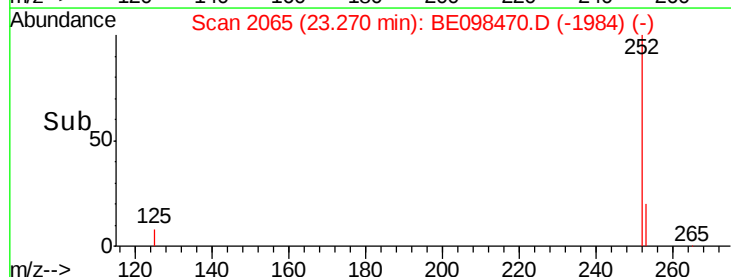
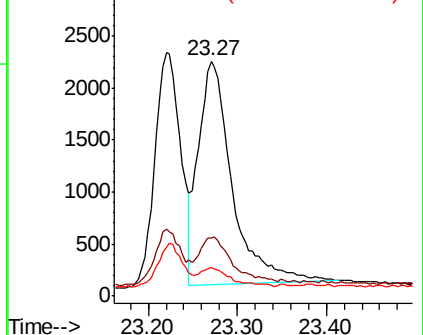
125 12.2 9.1 13.7



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: 0.252 ng

RT: 23.89 min Scan# 2238

Delta R.T. -0.01 min

Lab File: BE098470.D

Acq: 15 Dec 2018 13:45

Instrument :

BNA_E

ClientSampleId :

PB115682BS

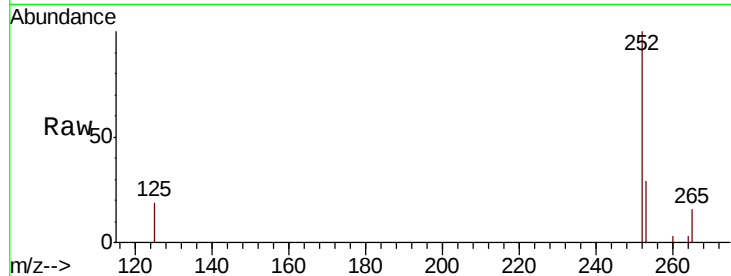
Tgt Ion:252 Resp: 4966

Ion Ratio Lower Upper

252 100

253 29.3 20.6 30.8

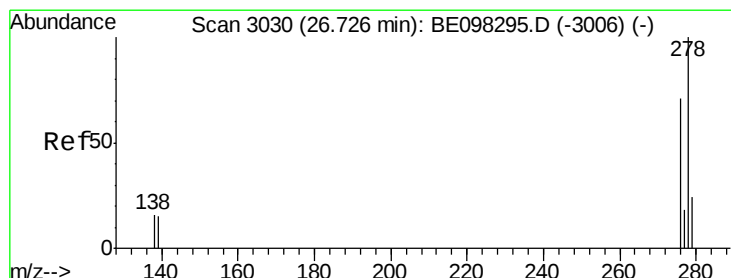
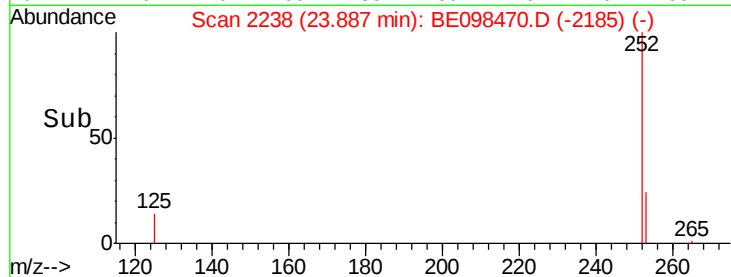
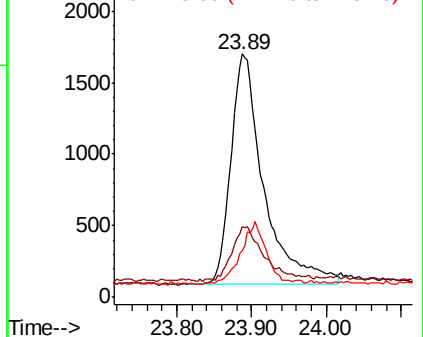
125 19.0 10.5 15.7#



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: 0.223 ng

RT: 26.72 min Scan# 3028

Delta R.T. -0.01 min

Lab File: BE098470.D

Acq: 15 Dec 2018 13:45

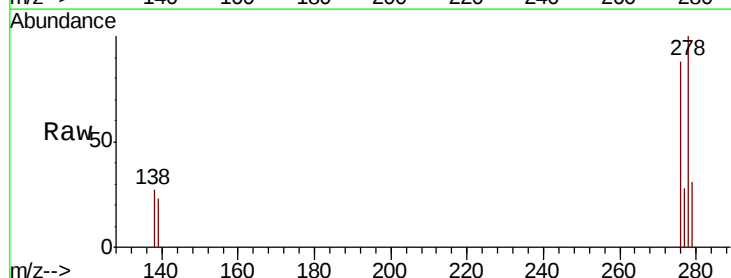
Tgt Ion:278 Resp: 4138

Ion Ratio Lower Upper

278 100

139 22.5 14.5 21.7#

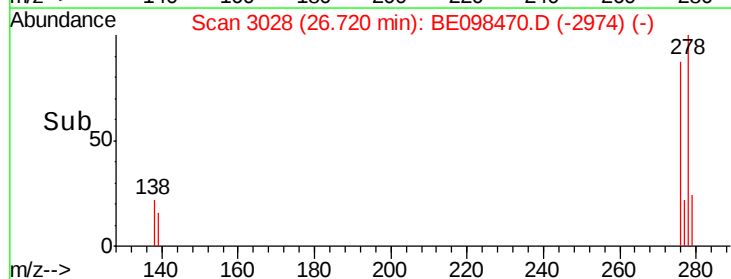
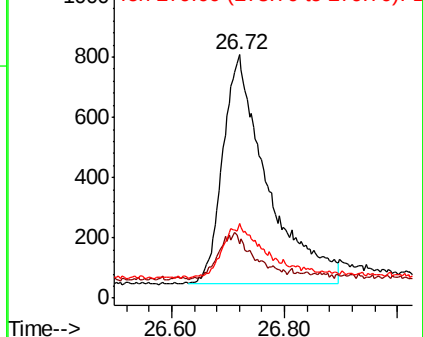
279 30.7 21.8 32.8



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: 0.232 ng

RT: 27.51 min Scan# 3251

Delta R.T. -0.01 min

Lab File: BE098470.D

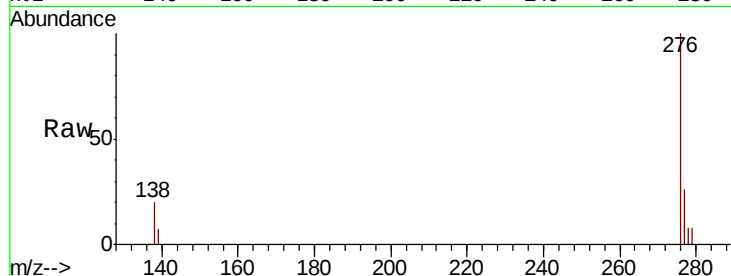
Acq: 15 Dec 2018 13:45

Instrument :

BNA_E

ClientSampleId :

PB115682BS



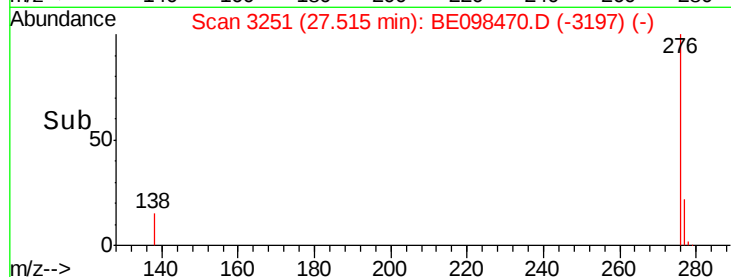
Tgt Ion: 276 Resp: 4335

Ion Ratio Lower Upper

276 100

277 26.3 20.8 31.2

138 20.1 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

