

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE122118\
 Data File : BE098554.D
 Acq On : 21 Dec 2018 16:31
 Operator : SJ/JU
 Sample : PB115910BSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB115910BSD

Quant Time: Dec 22 00:57:32 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	374	0.40	ng	0.00
7) Naphthalene-d8	10.65	136	1622	0.40	ng	-0.01
13) Acenaphthene-d10	14.51	164	1131	0.40	ng	-0.02
19) Phenanthrene-d10	17.27	188	4121	0.40	ng	-0.01
27) Chrysene-d12	21.45	240	8053	0.40	ng	-0.01
34) Perylene-d12	23.99	264	7567	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.44	112	327	0.37	ng	0.00
5) Phenol-d6	7.04	99	482	0.39	ng	0.00
8) Nitrobenzene-d5	9.03	82	436	0.30	ng	0.01
11) 2-Methylnaphthalene-d10	12.25	152	1048	0.40	ng	-0.02
14) 2,4,6-Tribromophenol	16.02	330	208	0.50	ng	0.00
15) 2-Fluorobiphenyl	13.14	172	1466	0.31	ng	0.00
25) Fluoranthene-d10	19.30	212	24884	0.47	ng	-0.01
29) Terphenyl-d14	19.89	244	5960	0.30	ng	-0.01

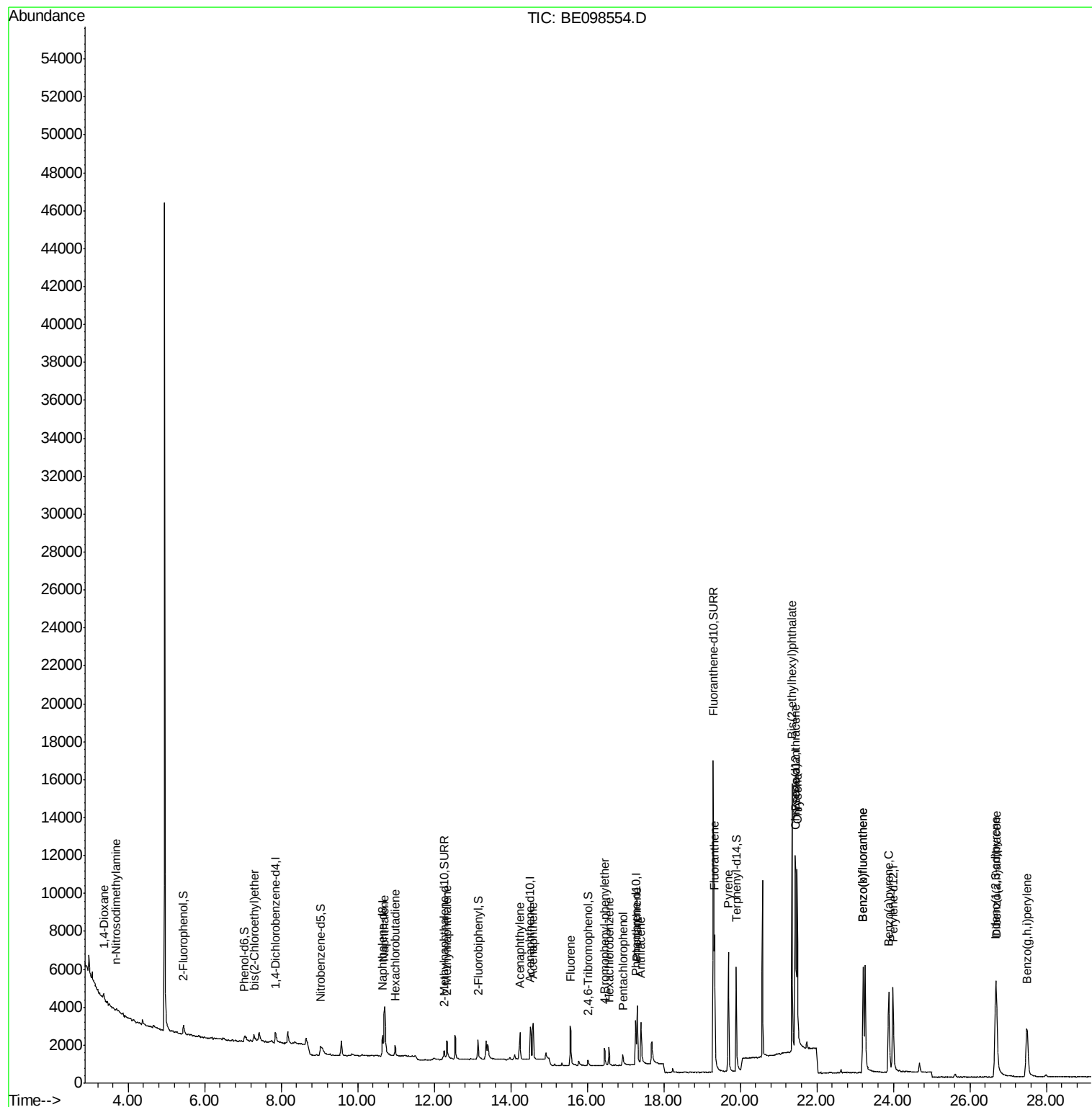
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.36	88	203	0.314	ng	# 31
3) n-Nitrosodimethylamine	3.69	42	171	0.294	ng	# 100
6) bis(2-Chloroethyl)ether	7.29	93	271	0.230	ng	90
9) Naphthalene	10.71	128	5982	0.366	ng	# 96
10) Hexachlorobutadiene	10.98	225	396	0.381	ng	95
12) 2-Methylnaphthalene	12.32	142	998	0.376	ng	# 93
16) Acenaphthylene	14.24	152	1765	0.333	ng	98
17) Acenaphthene	14.59	154	1135	0.357	ng	99
18) Fluorene	15.56	166	1716	0.403	ng	99
20) 4-Bromophenyl-phenylether	16.45	248	605	0.273	ng	91
21) Hexachlorobenzene	16.57	284	714	0.299	ng	91
22) Pentachlorophenol	16.93	266	449	0.979	ng	94
23) Phenanthrene	17.30	178	3686	0.368	ng	99
24) Anthracene	17.40	178	3052	0.342	ng	99
26) Fluoranthene	19.33	202	6503	0.491	ng	98
28) Pyrene	19.69	202	6762	0.268	ng	99
30) Benzo(a)anthracene	21.44	228	8153	0.356	ng	100
31) Chrysene	21.49	228	8885	0.370	ng	98
32) Bis(2-ethylhexyl)phthalate	21.35	149	14505	0.311	ng	100
33) Indeno(1,2,3-cd)pyrene	26.67	276	8706	0.364	ng	# 88
35) Benzo(b)fluoranthene	23.21	252	8373	0.405	ng	98
36) Benzo(k)fluoranthene	23.21	252	8373	0.347	ng	100
37) Benzo(a)pyrene	23.88	252	8040	0.377	ng	97
38) Dibenzo(a,h)anthracene	26.69	278	7130	0.355	ng	98
39) Benzo(g,h,i)perylene	27.49	276	7447	0.367	ng	98

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

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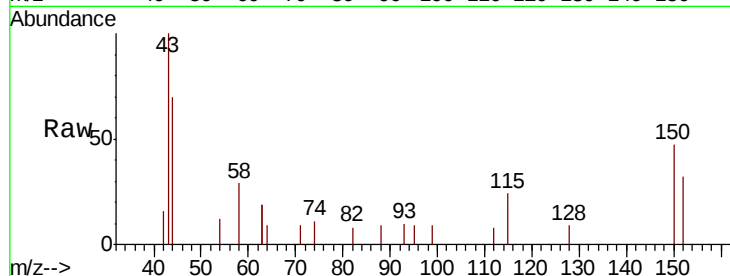


#1

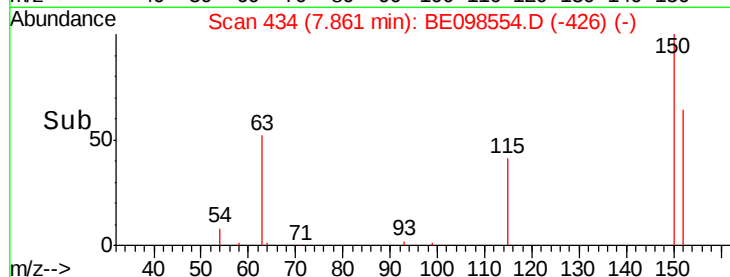
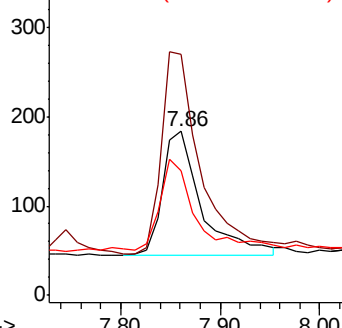
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. -0.00 min
Lab File: BE098554.D
Acq: 21 Dec 2018 16:31

Instrument :
BNA_E
ClientSampleId :
PB115910BSD

Tgt Ion:152 Resp: 374
Ion Ratio Lower Upper
152 100
150 147.0 124.2 186.4
115 76.5 53.9 80.9



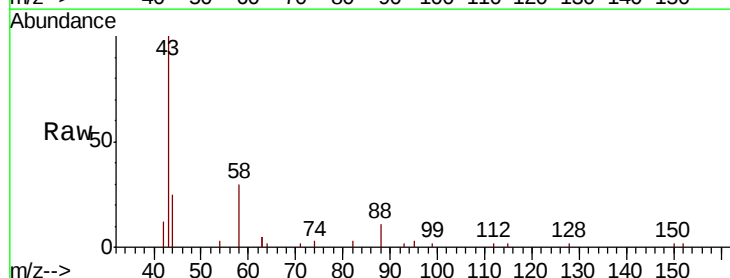
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



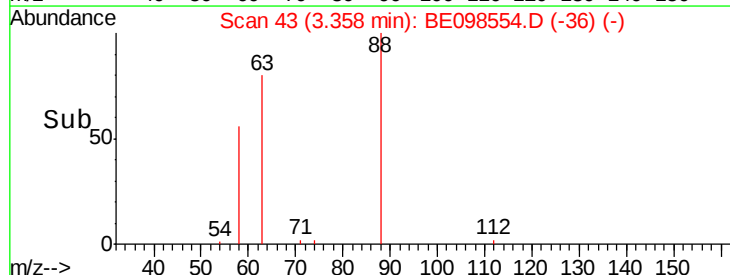
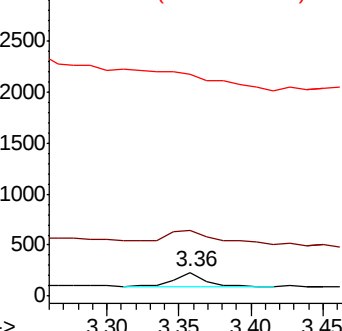
#2

1,4-Dioxane
Concen: 0.314 ng
RT: 3.36 min Scan# 43
Delta R.T. -0.01 min
Lab File: BE098554.D
Acq: 21 Dec 2018 16:31

Tgt Ion: 88 Resp: 203
Ion Ratio Lower Upper
88 100
58 158.6 75.0 112.6#
43 0.0 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: 0.294 ng

RT: 3.69 min Scan# 72

Delta R.T. -0.00 min

Lab File: BE098554.D

Acq: 21 Dec 2018 16:31

Instrument :

BNA_E

ClientSampleId :

PB115910BSD

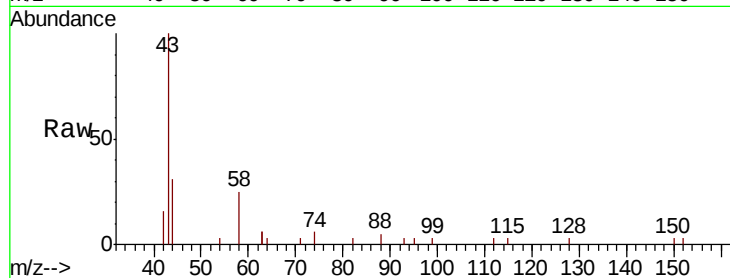
Tgt Ion: 42 Resp: 171

Ion Ratio Lower Upper

42 100

74 109.9 0.0 0.0#

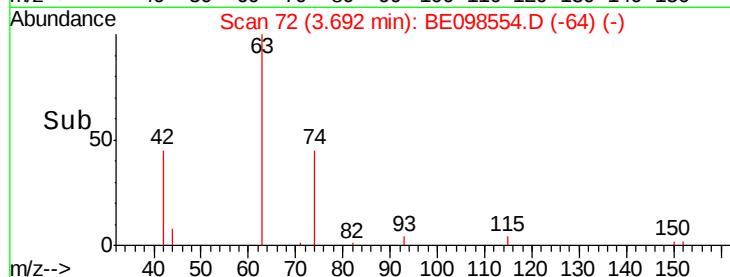
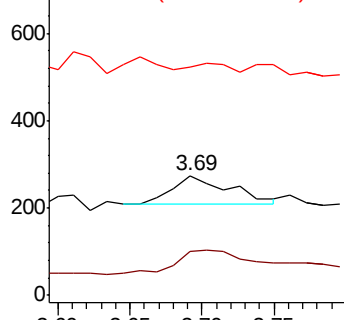
44 21.1 0.0 0.0#



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: 0.374 ng

RT: 5.44 min Scan# 224

Delta R.T. -0.00 min

Lab File: BE098554.D

Acq: 21 Dec 2018 16:31

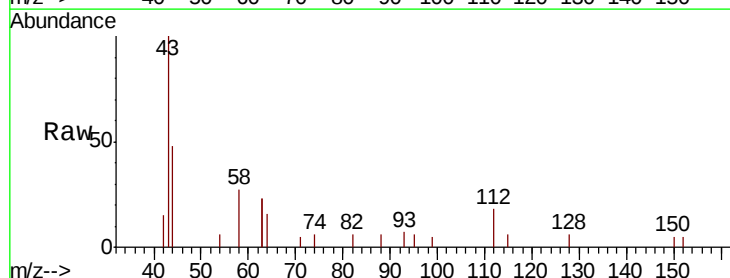
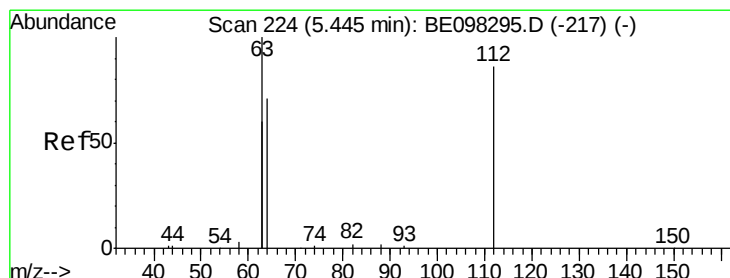
Tgt Ion: 112 Resp: 327

Ion Ratio Lower Upper

112 100

64 83.8 59.8 89.8

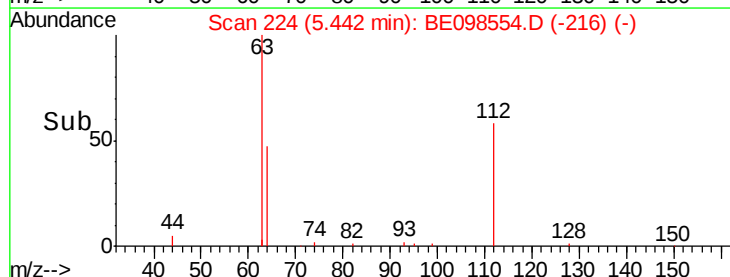
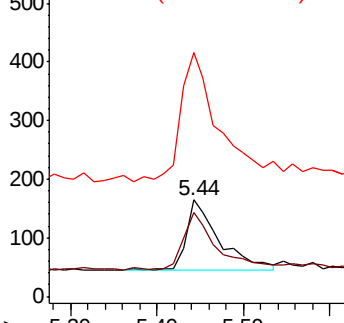
63 249.2 133.7 200.5#



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: 0.389 ng

RT: 7.04 min Scan# 363

Delta R.T. -0.00 min

Lab File: BE098554.D

Acq: 21 Dec 2018 16:31

Instrument :

BNA_E

ClientSampleId :

PB115910BSD

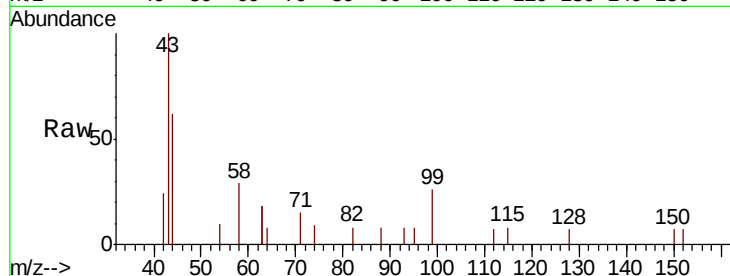
Tgt Ion: 99 Resp: 482

Ion Ratio Lower Upper

99 100

42 33.8 26.3 39.5

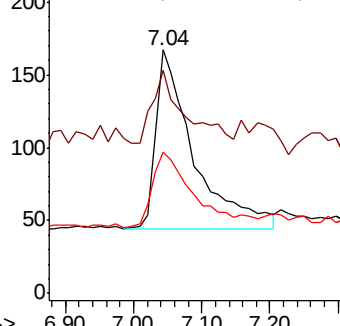
71 47.3 33.6 50.4



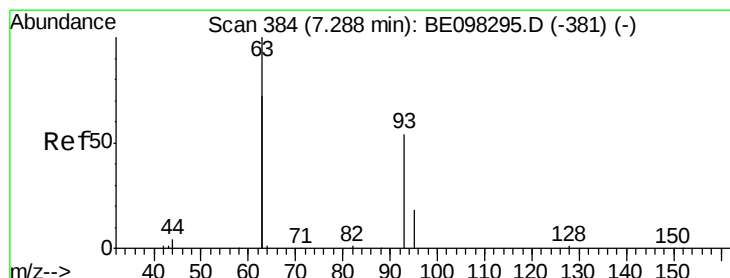
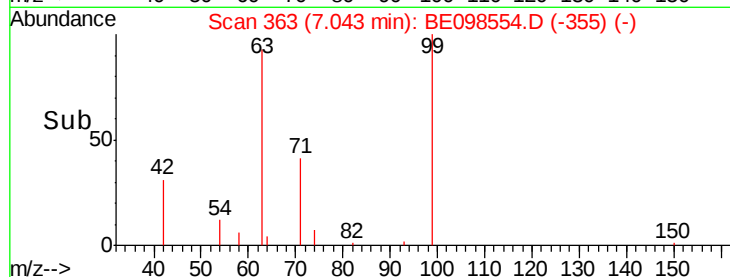
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time--> 6.90 7.00 7.10 7.20



#6

bis(2-Chloroethyl)ether

Concen: 0.230 ng

RT: 7.29 min Scan# 384

Delta R.T. -0.00 min

Lab File: BE098554.D

Acq: 21 Dec 2018 16:31

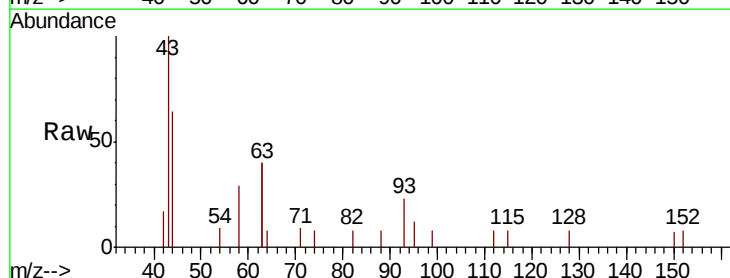
Tgt Ion: 93 Resp: 271

Ion Ratio Lower Upper

93 100

63 352.0 264.4 396.6

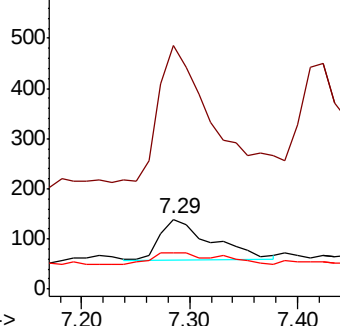
95 38.0 26.6 40.0



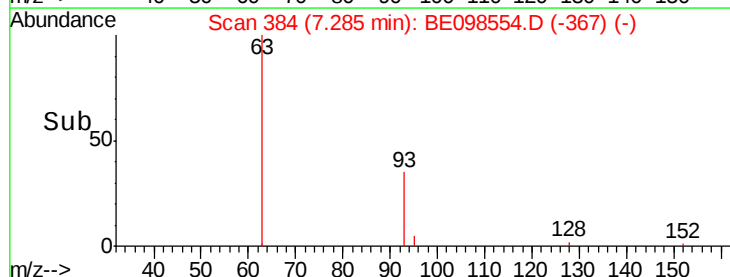
Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time--> 7.20 7.30 7.40





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE098554.D

Acq: 21 Dec 2018 16:31

Instrument :

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ClientSampleId :

PB115910BSD

Tgt Ion:136 Resp: 1622

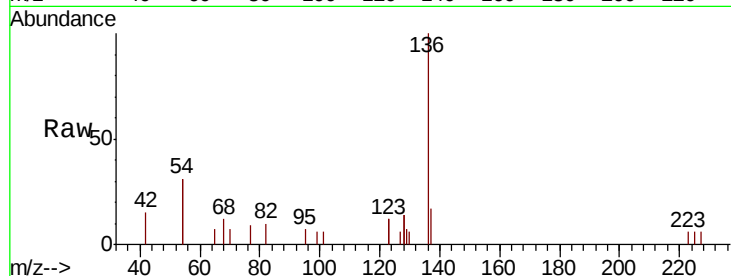
Ion Ratio Lower Upper

136 100

137 17.1 9.2 13.8#

54 61.6 28.4 42.6#

68 11.7 5.4 8.0#

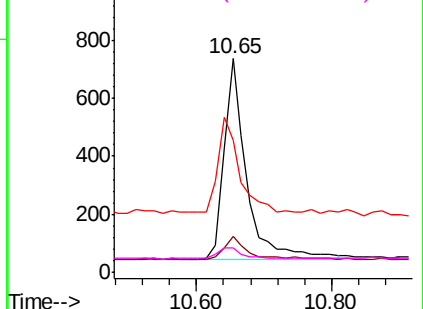
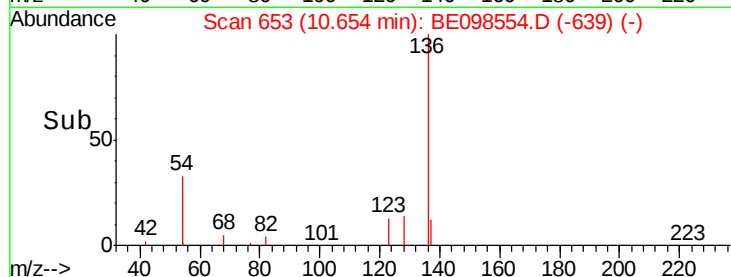


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.295 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.01 min

Lab File: BE098554.D

Acq: 21 Dec 2018 16:31

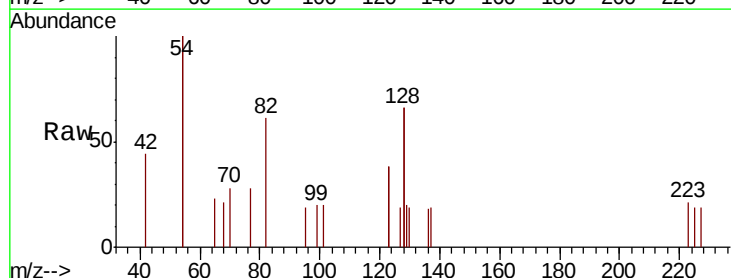
Tgt Ion: 82 Resp: 436

Ion Ratio Lower Upper

82 100

128 218.2 102.4 153.6#

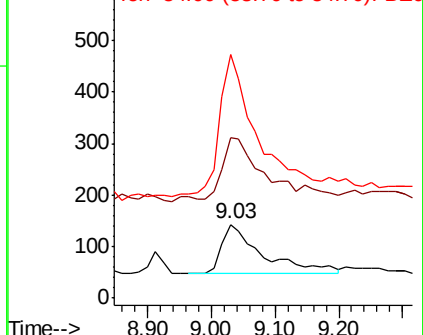
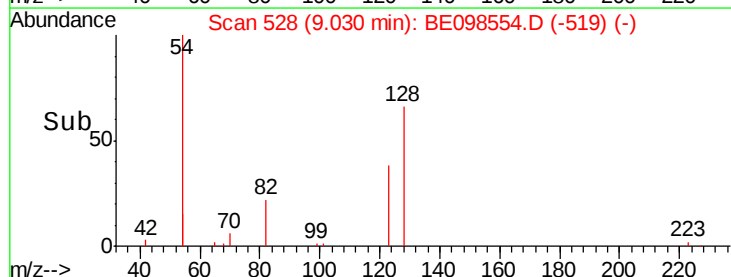
54 330.1 221.8 332.8



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: 0.366 ng

RT: 10.71 min Scan# 657

Delta R.T. -0.00 min

Lab File: BE098554.D

Acq: 21 Dec 2018 16:31

Instrument :

BNA_E

ClientSampleId :

PB115910BSD

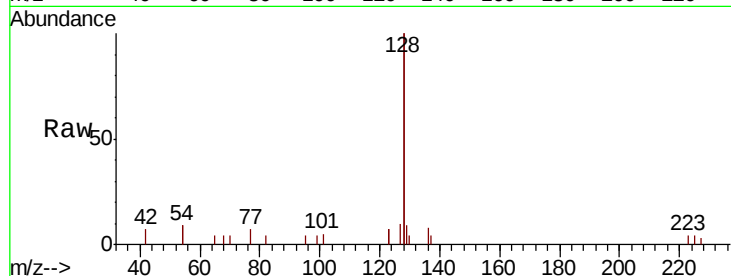
Tgt Ion:128 Resp: 5982

Ion Ratio Lower Upper

128 100

129 4.6 2.5 3.7#

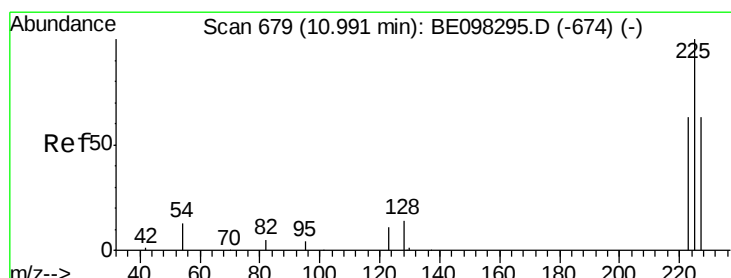
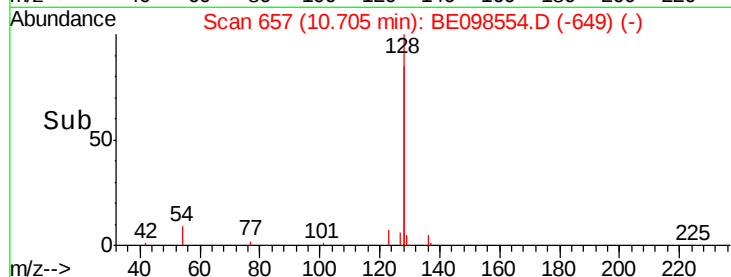
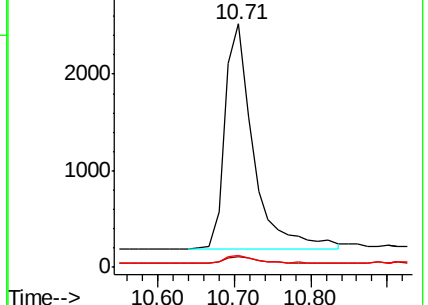
127 4.8 2.7 4.1#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.381 ng

RT: 10.98 min Scan# 678

Delta R.T. -0.01 min

Lab File: BE098554.D

Acq: 21 Dec 2018 16:31

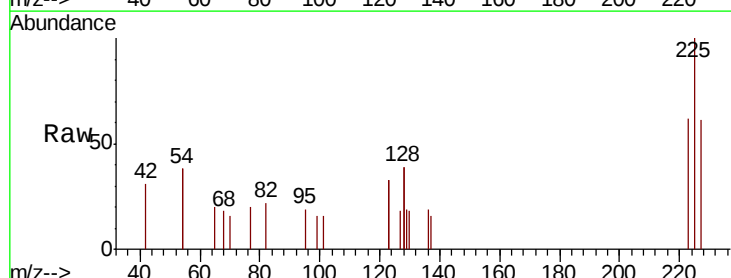
Tgt Ion:225 Resp: 396

Ion Ratio Lower Upper

225 100

223 58.6 49.4 74.0

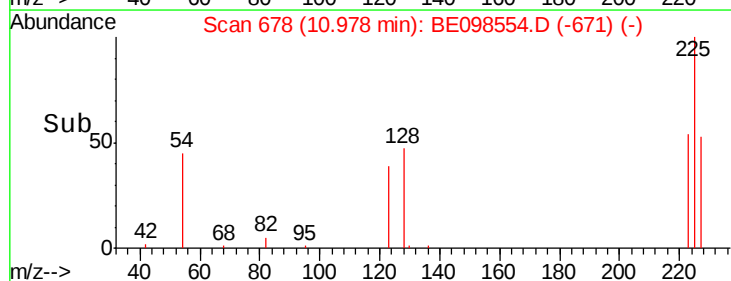
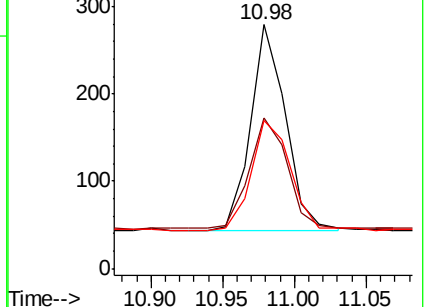
227 60.9 52.0 78.0



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: 0.397 ng

RT: 12.25 min Scan# 766

Delta R.T. -0.02 min

Lab File: BE098554.D

Acq: 21 Dec 2018 16:31

Instrument :

BNA_E

ClientSampleId :

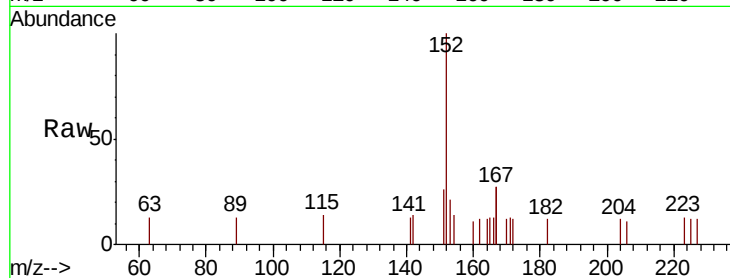
PB115910BSD

Tgt Ion:152 Resp: 1048

Ion Ratio Lower Upper

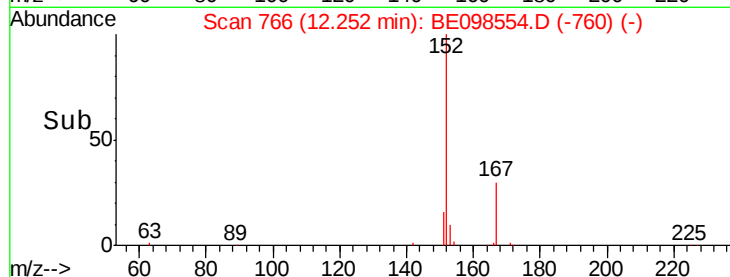
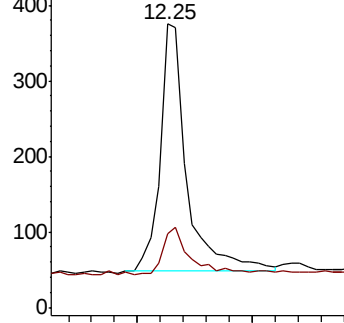
152 100

151 18.7 16.2 24.4

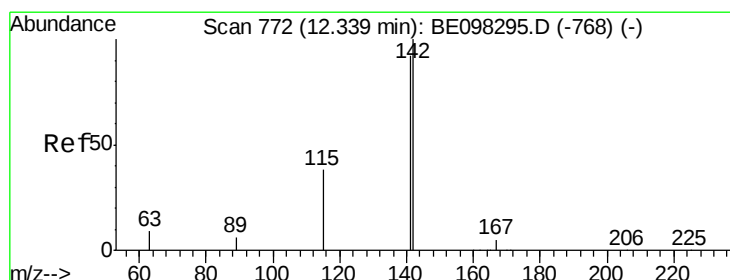


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



Time-->



#12

2-Methylnaphthalene

Concen: 0.376 ng

RT: 12.32 min Scan# 771

Delta R.T. -0.02 min

Lab File: BE098554.D

Acq: 21 Dec 2018 16:31

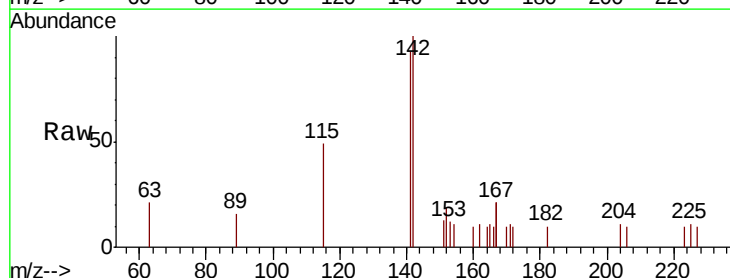
Tgt Ion:142 Resp: 998

Ion Ratio Lower Upper

142 100

141 92.6 71.0 106.6

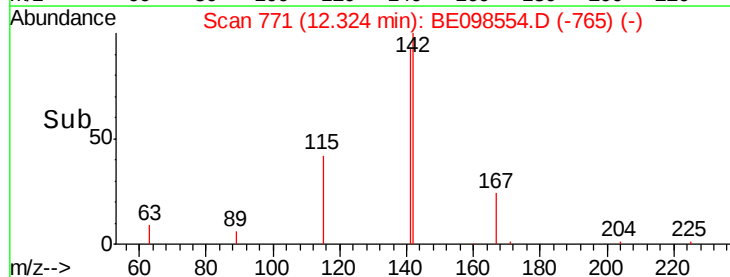
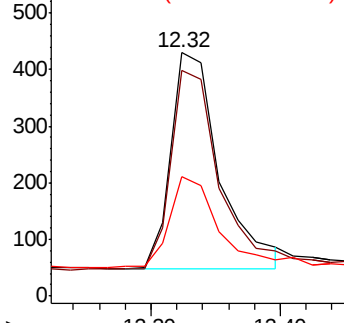
115 49.3 32.2 48.2#



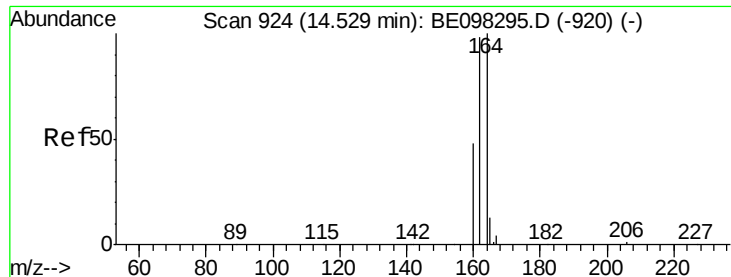
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



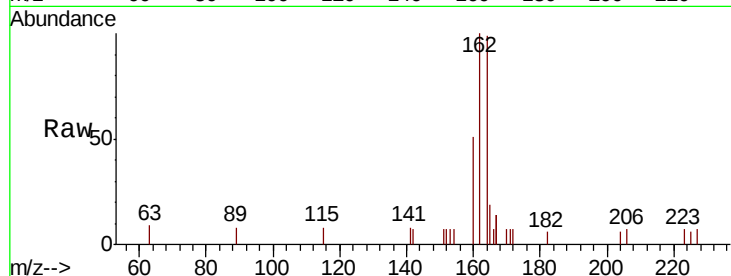
Time-->



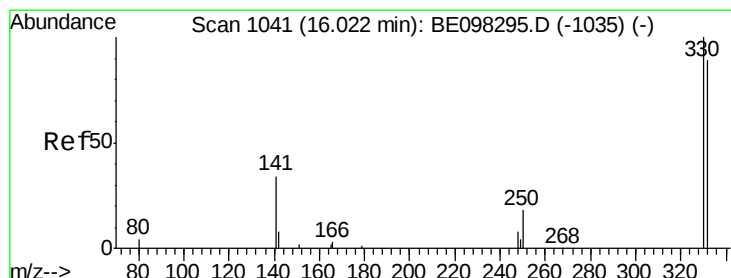
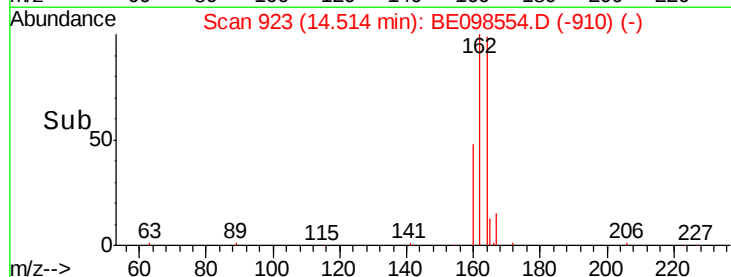
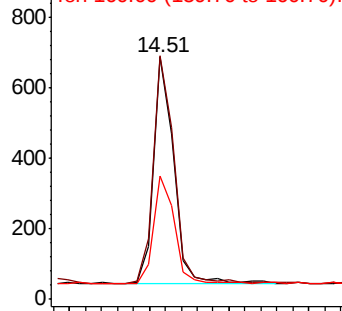
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.51 min Scan# 923
 Delta R.T. -0.02 min
 Lab File: BE098554.D
 Acq: 21 Dec 2018 16:31

Instrument :
 BNA_E
 ClientSampleId :
 PB115910BSD

Tgt Ion:164 Resp: 1131
 Ion Ratio Lower Upper
 164 100
 162 100.6 77.6 116.4
 160 51.2 36.0 54.0

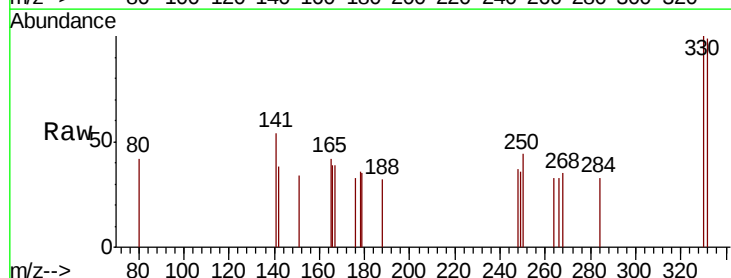


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

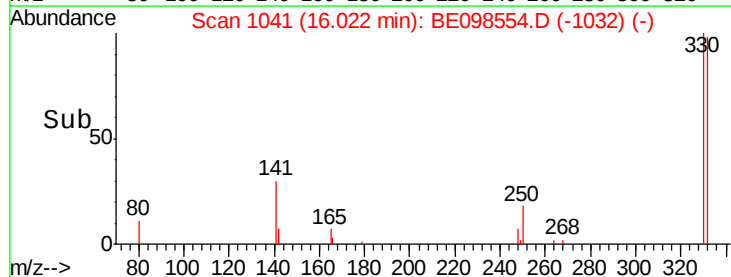
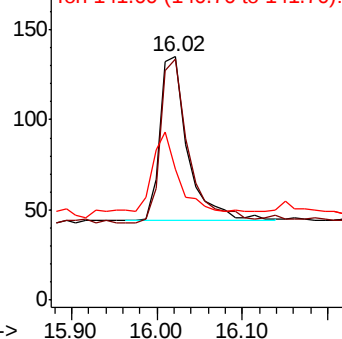


#14
 2,4,6-Tribromophenol
 Concen: 0.501 ng
 RT: 16.02 min Scan# 1041
 Delta R.T. -0.00 min
 Lab File: BE098554.D
 Acq: 21 Dec 2018 16:31

Tgt Ion:330 Resp: 208
 Ion Ratio Lower Upper
 330 100
 332 101.4 76.2 114.4
 141 47.1 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

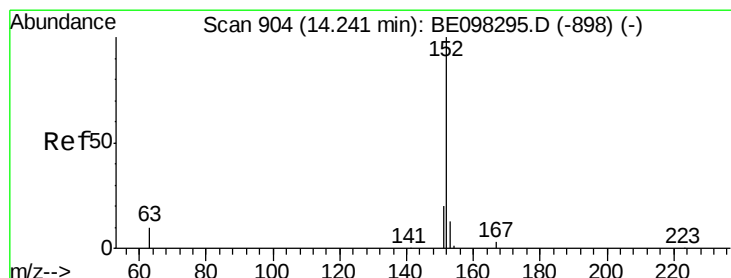
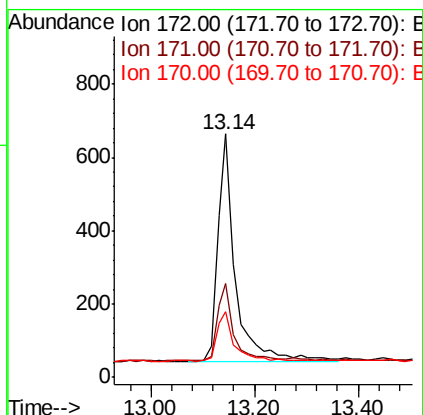
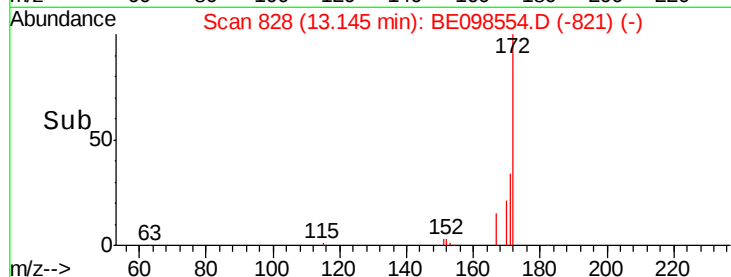
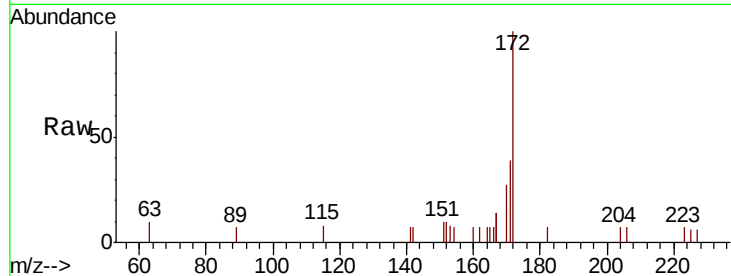




#15
2-Fluorobiphenyl
Concen: 0.307 ng
RT: 13.14 min Scan# 828
Delta R.T. -0.00 min
Lab File: BE098554.D
Acq: 21 Dec 2018 16:31

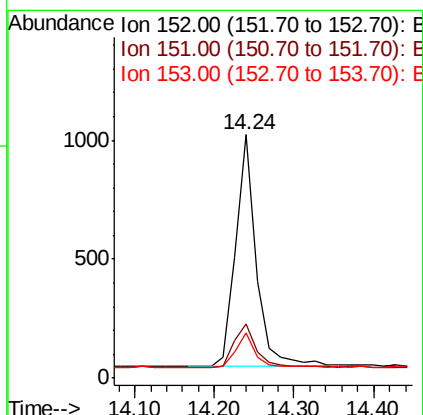
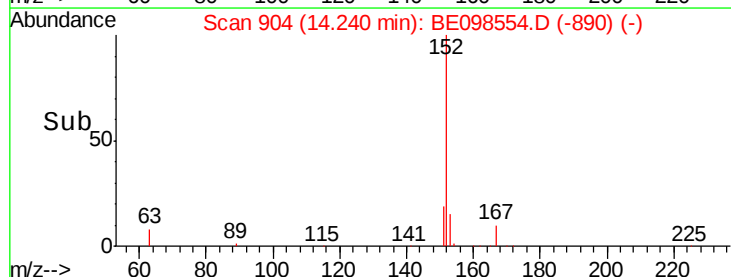
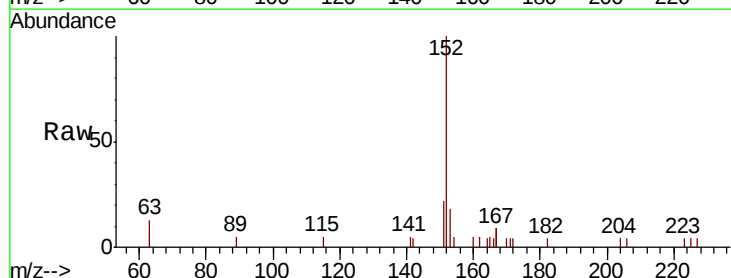
Instrument :
BNA_E
ClientSampleId :
PB115910BSD

Tgt Ion:172 Resp: 1466
Ion Ratio Lower Upper
172 100
171 38.6 27.5 41.3
170 27.0 19.6 29.4



#16
Acenaphthylene
Concen: 0.333 ng
RT: 14.24 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE098554.D
Acq: 21 Dec 2018 16:31

Tgt Ion:152 Resp: 1765
Ion Ratio Lower Upper
152 100
151 20.2 15.5 23.3
153 13.9 10.6 16.0

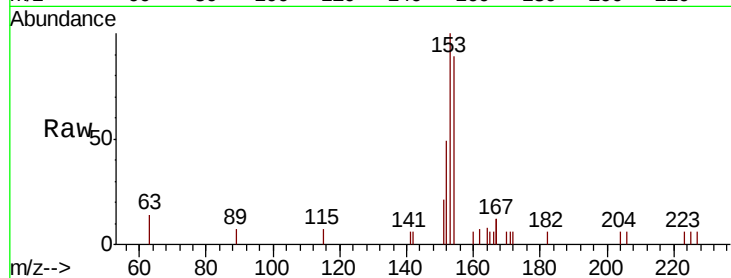




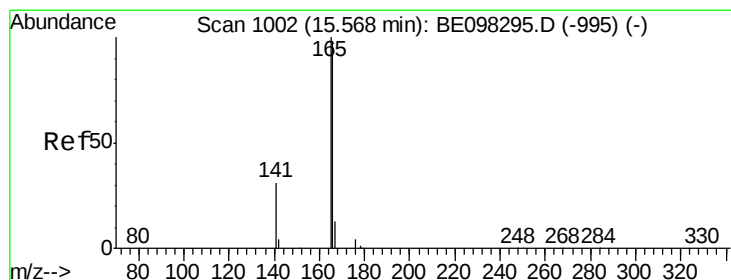
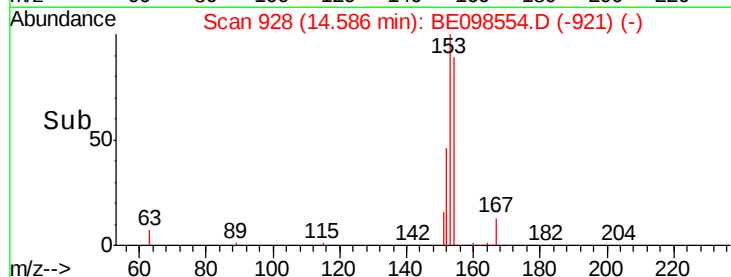
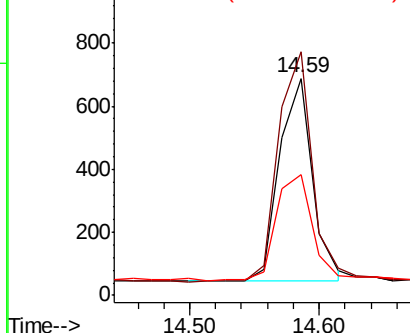
#17
Acenaphthene
Concen: 0.357 ng
RT: 14.59 min Scan# 928
Delta R.T. -0.00 min
Lab File: BE098554.D
Acq: 21 Dec 2018 16:31

Instrument :
BNA_E
ClientSampleId :
PB115910BSD

Tgt Ion:154 Resp: 1135
Ion Ratio Lower Upper
154 100
153 116.7 91.8 137.6
152 57.1 45.5 68.3

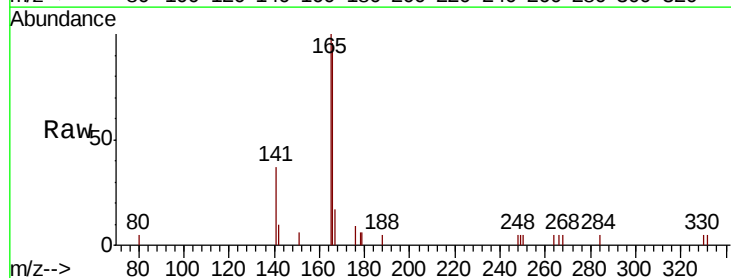


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

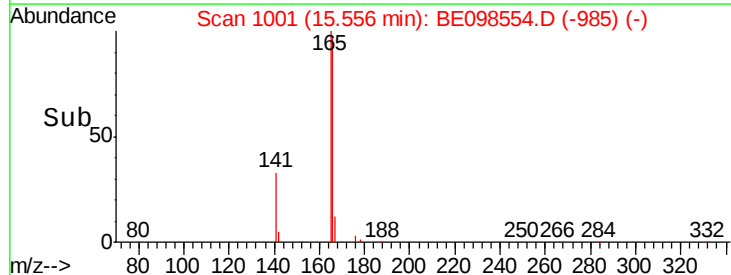
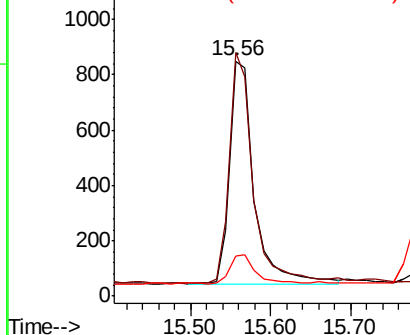


#18
Fluorene
Concen: 0.403 ng
RT: 15.56 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BE098554.D
Acq: 21 Dec 2018 16:31

Tgt Ion:166 Resp: 1716
Ion Ratio Lower Upper
166 100
165 99.9 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: 17.27 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BE098554.D

Acq: 21 Dec 2018 16:31

Instrument :

BNA_E

ClientSampleId :

PB115910BSD

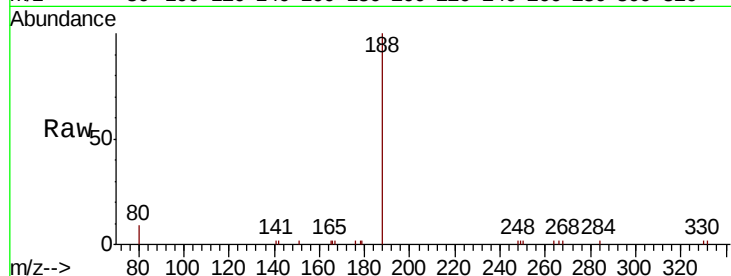
Tgt Ion:188 Resp: 4121

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

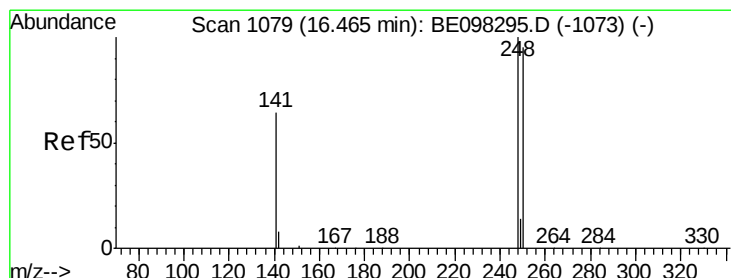
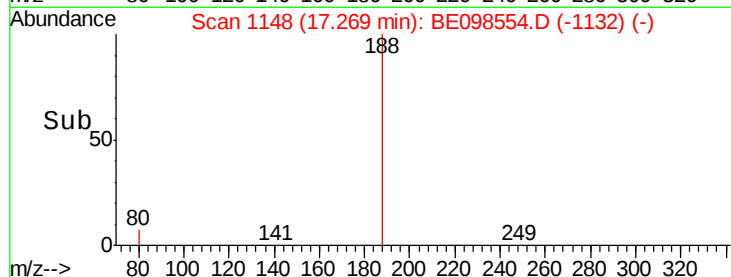
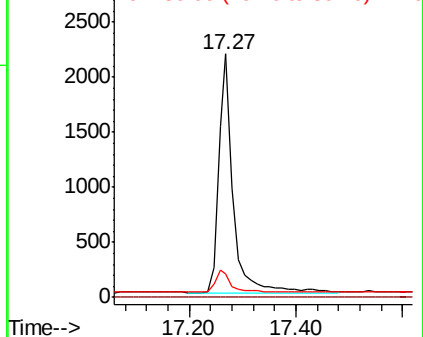
80 9.4 7.2 10.8



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: 0.273 ng

RT: 16.45 min Scan# 1078

Delta R.T. -0.01 min

Lab File: BE098554.D

Acq: 21 Dec 2018 16:31

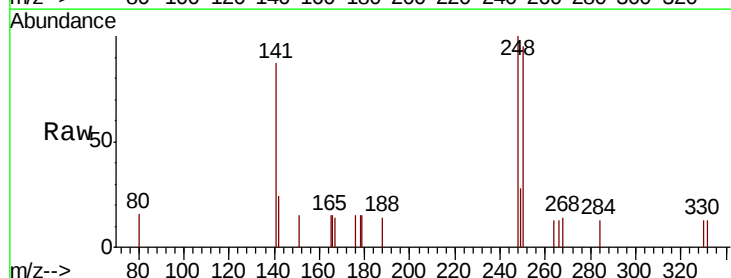
Tgt Ion:248 Resp: 605

Ion Ratio Lower Upper

248 100

250 94.6 71.0 106.6

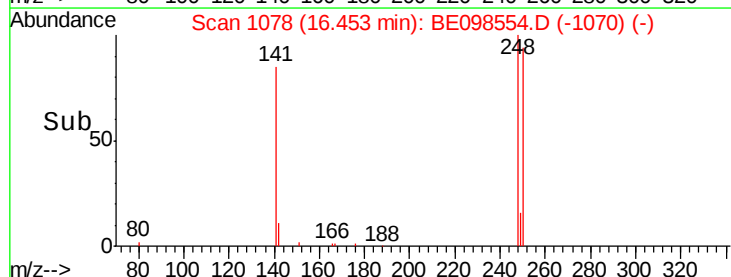
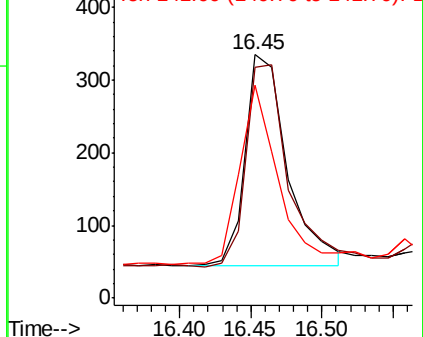
141 87.5 62.1 93.1

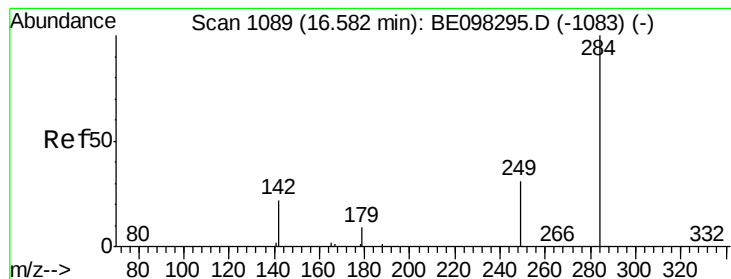


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.299 ng

RT: 16.57 min Scan# 1088

Delta R.T. -0.01 min

Lab File: BE098554.D

Acq: 21 Dec 2018 16:31

Instrument :

BNA_E

ClientSampleId :

PB115910BSD

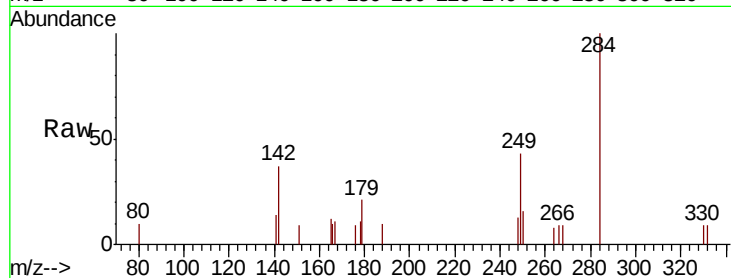
Tgt Ion:284 Resp: 714

Ion Ratio Lower Upper

284 100

142 39.4 26.3 39.5

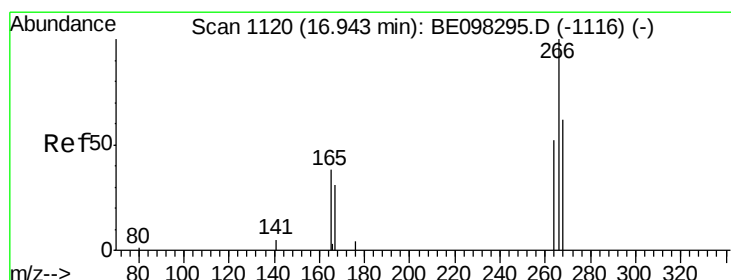
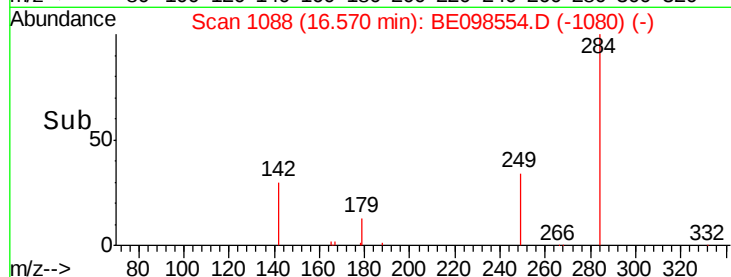
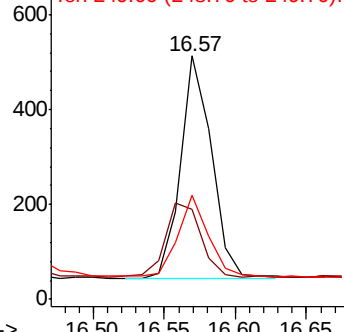
249 35.7 26.0 39.0



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: 0.979 ng

RT: 16.93 min Scan# 1119

Delta R.T. -0.01 min

Lab File: BE098554.D

Acq: 21 Dec 2018 16:31

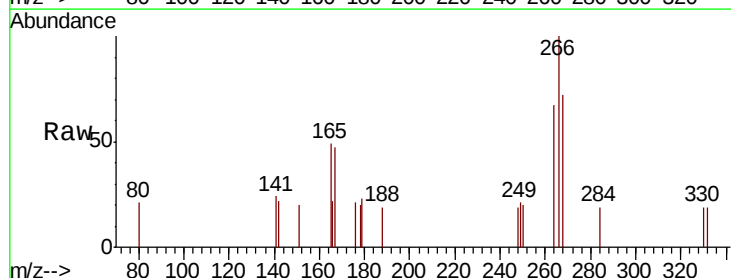
Tgt Ion:266 Resp: 449

Ion Ratio Lower Upper

266 100

264 67.2 59.0 88.4

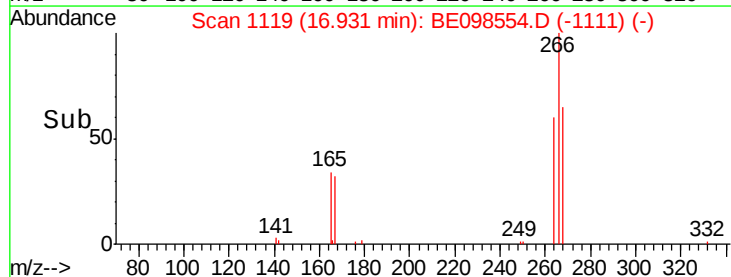
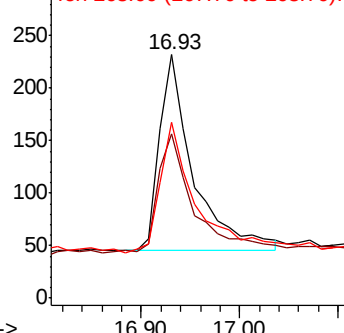
268 72.4 55.1 82.7

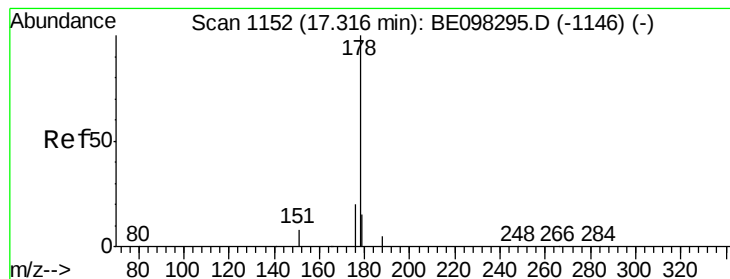


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.368 ng

RT: 17.30 min Scan# 1151

Delta R.T. -0.01 min

Lab File: BE098554.D

Acq: 21 Dec 2018 16:31

Instrument :

BNA_E

ClientSampleId :

PB115910BSD

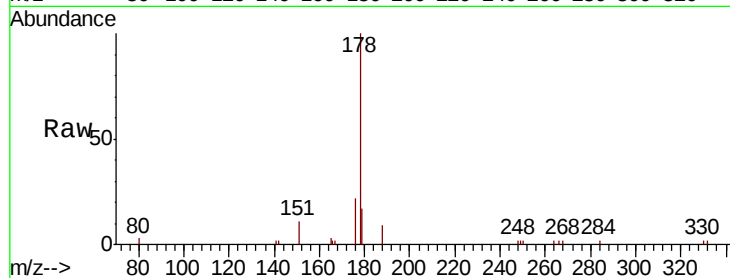
Tgt Ion:178 Resp: 3686

Ion Ratio Lower Upper

178 100

176 19.6 15.9 23.9

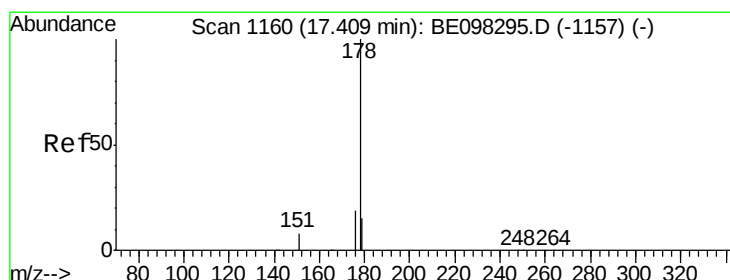
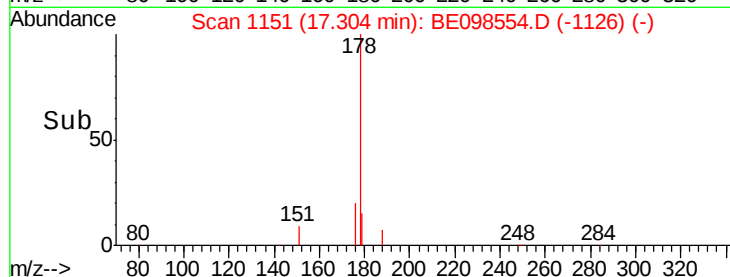
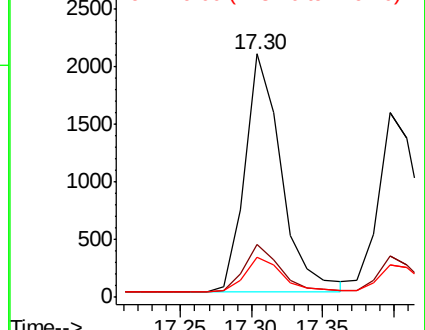
179 14.8 12.3 18.5



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: 0.342 ng

RT: 17.40 min Scan# 1159

Delta R.T. -0.01 min

Lab File: BE098554.D

Acq: 21 Dec 2018 16:31

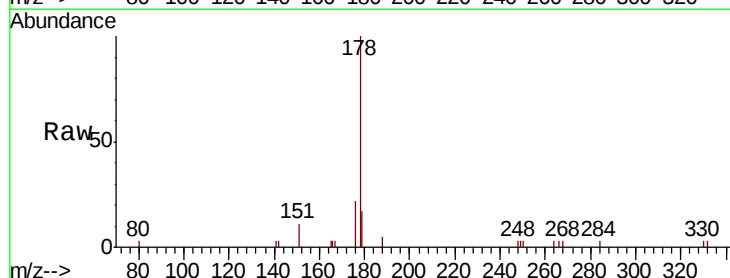
Tgt Ion:178 Resp: 3052

Ion Ratio Lower Upper

178 100

176 17.8 15.0 22.4

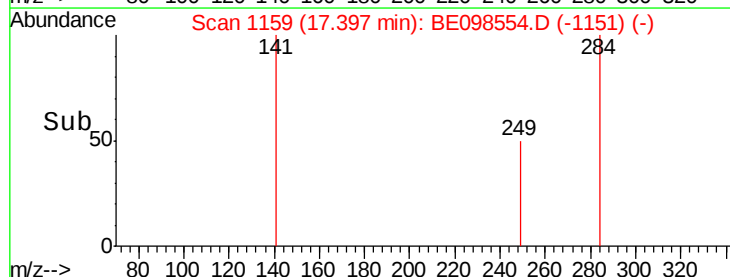
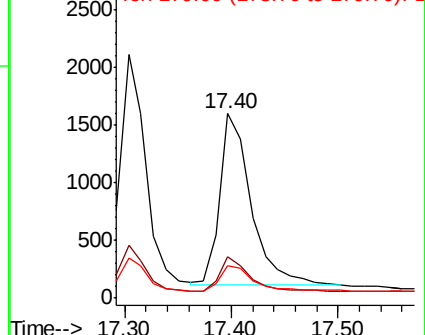
179 15.1 12.3 18.5

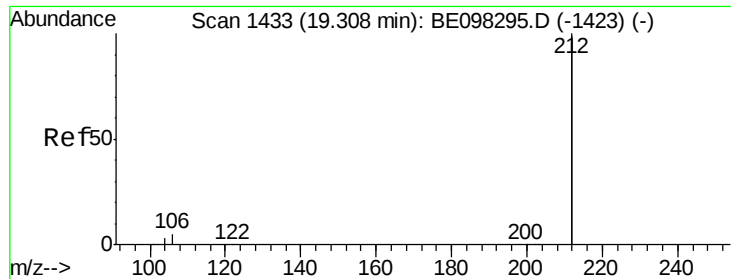


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

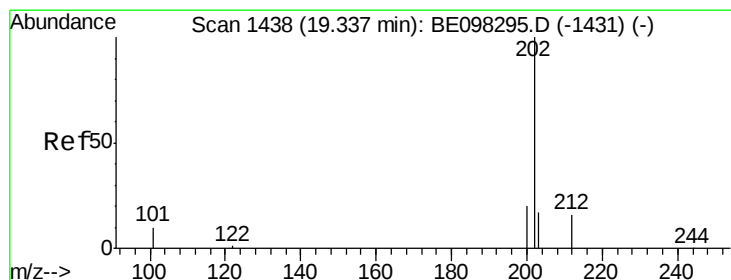
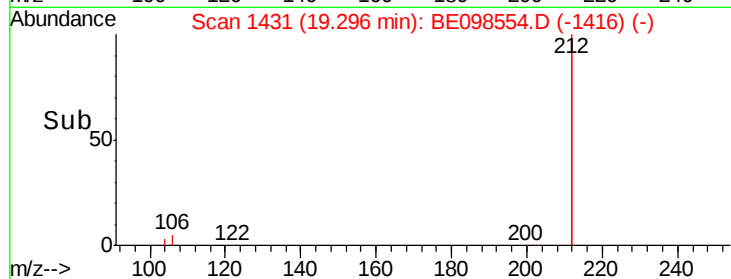
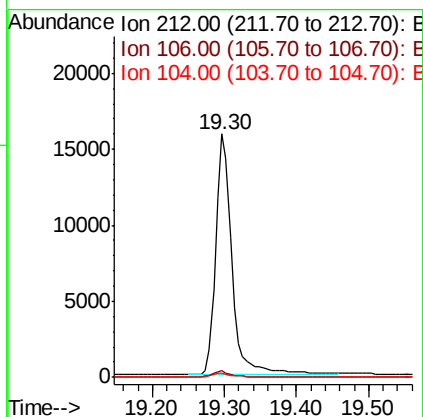
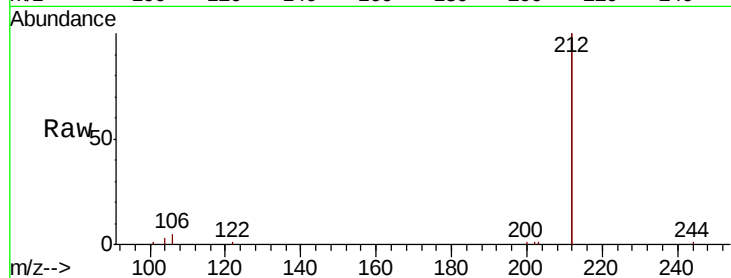




#25
 Fluoranthene-d10
 Concen: 0.471 ng
 RT: 19.30 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: BE098554.D
 Acq: 21 Dec 2018 16:31

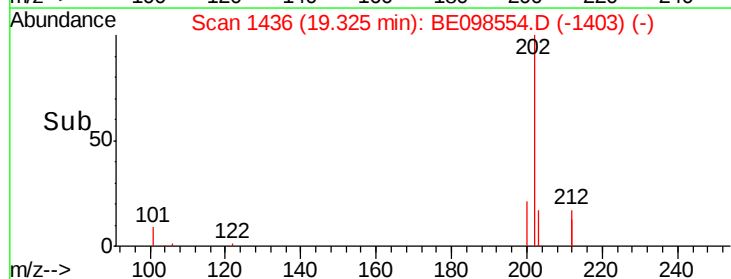
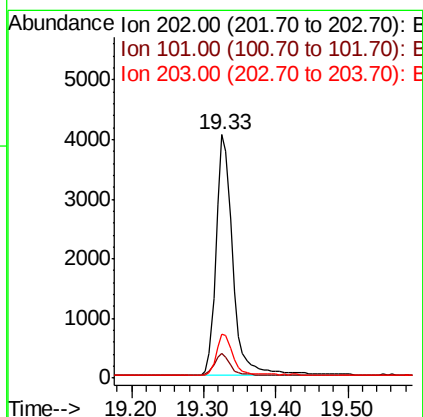
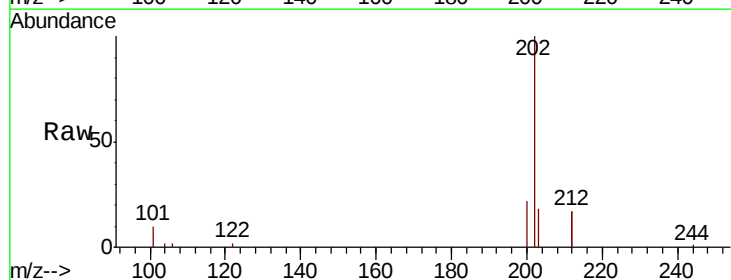
Instrument :
 BNA_E
 ClientSampleId :
 PB115910BSD

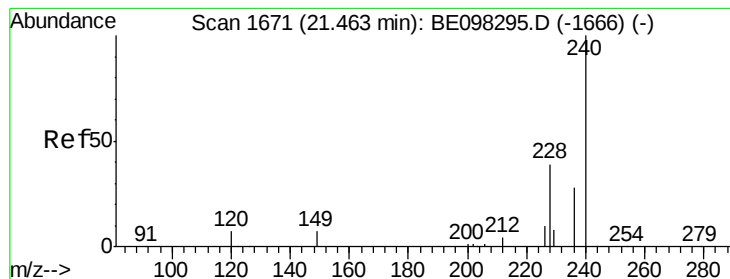
Tgt Ion: 212 Resp: 24884
 Ion Ratio Lower Upper
 212 100
 106 2.4 2.2 3.2
 104 1.3 1.3 1.9



#26
 Fluoranthene
 Concen: 0.491 ng
 RT: 19.33 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: BE098554.D
 Acq: 21 Dec 2018 16:31

Tgt Ion: 202 Resp: 6503
 Ion Ratio Lower Upper
 202 100
 101 8.7 8.0 12.0
 203 16.5 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: BE098554.D

Acq: 21 Dec 2018 16:31

Instrument :

BNA_E

ClientSampleId :

PB115910BSD

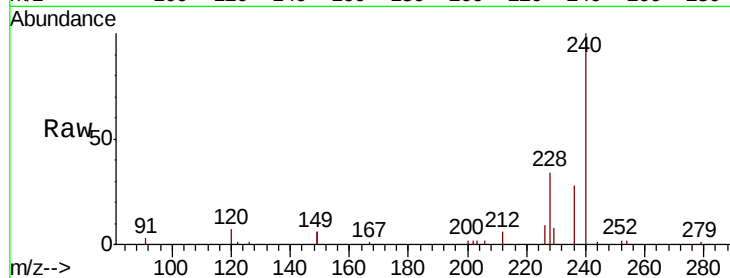
Tgt Ion:240 Resp: 8053

Ion Ratio Lower Upper

240 100

120 7.3 9.5 14.3#

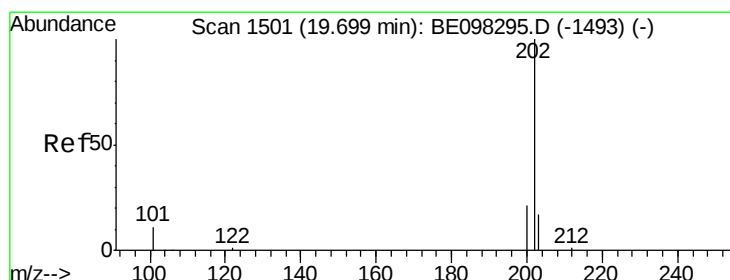
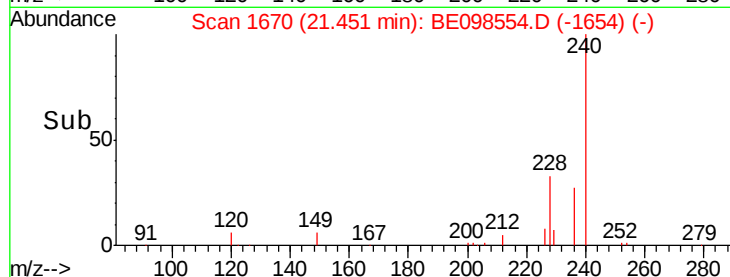
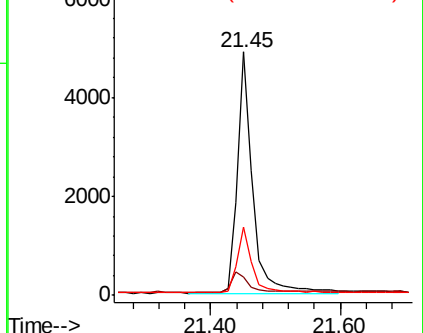
236 28.0 22.7 34.1



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: 0.268 ng

RT: 19.69 min Scan# 1499

Delta R.T. -0.01 min

Lab File: BE098554.D

Acq: 21 Dec 2018 16:31

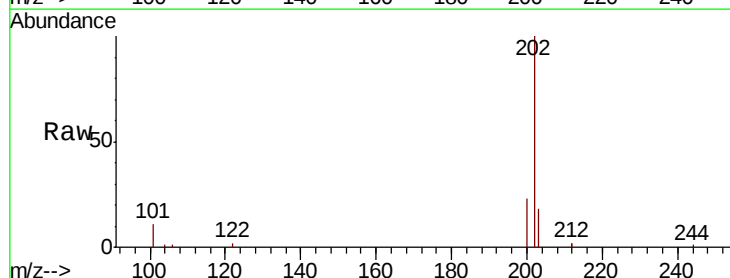
Tgt Ion:202 Resp: 6762

Ion Ratio Lower Upper

202 100

200 21.5 16.7 25.1

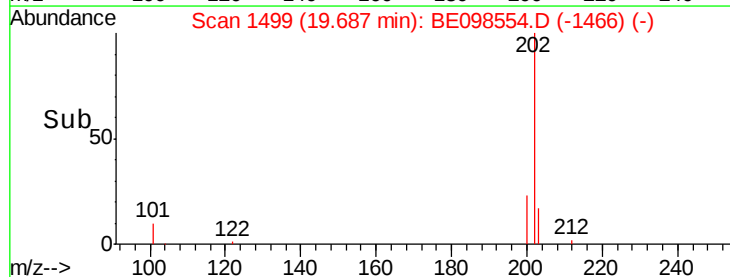
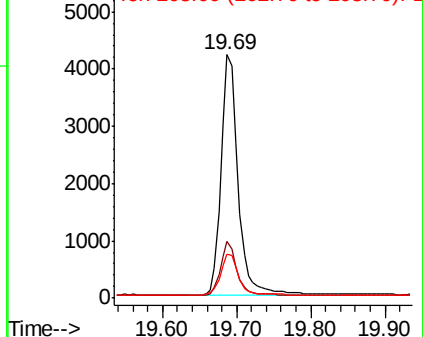
203 17.8 14.1 21.1

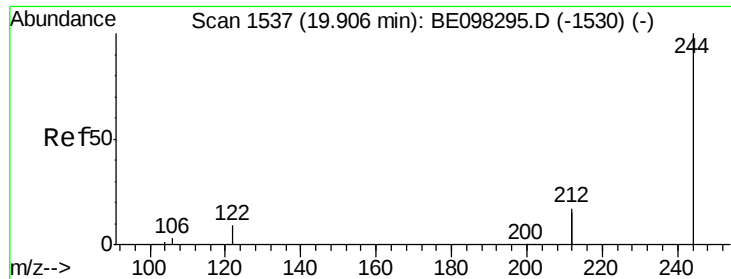


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.305 ng

RT: 19.89 min Scan# 1535

Delta R.T. -0.01 min

Lab File: BE098554.D

Acq: 21 Dec 2018 16:31

Instrument :

BNA_E

ClientSampleId :

PB115910BSD

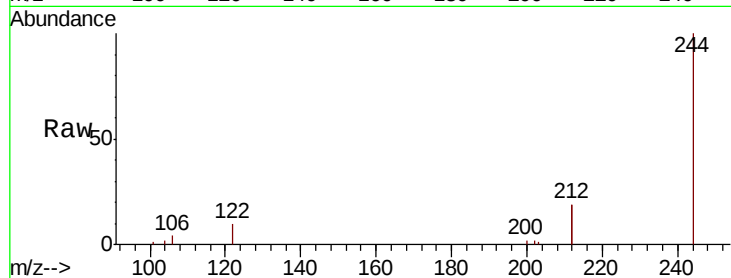
Tgt Ion:244 Resp: 5960

Ion Ratio Lower Upper

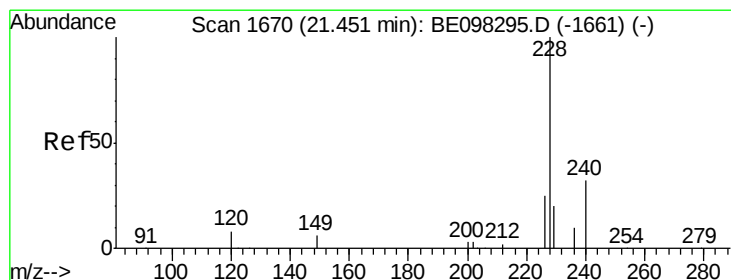
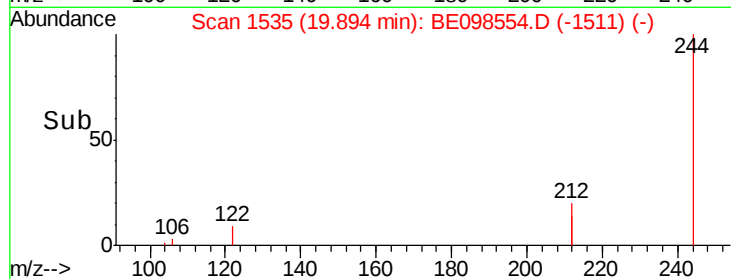
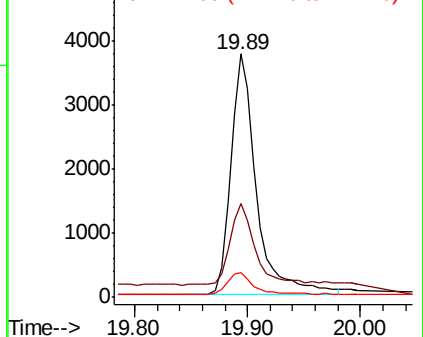
244 100

212 38.7 27.4 41.0

122 9.9 8.3 12.5



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



#30

Benzo(a)anthracene

Concen: 0.356 ng

RT: 21.44 min Scan# 1669

Delta R.T. -0.01 min

Lab File: BE098554.D

Acq: 21 Dec 2018 16:31

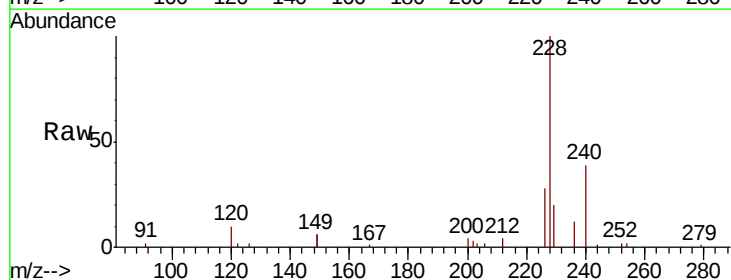
Tgt Ion:228 Resp: 8153

Ion Ratio Lower Upper

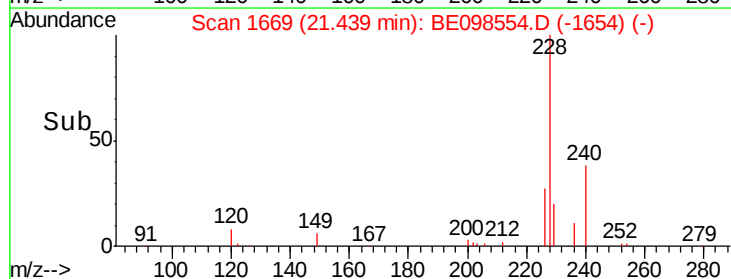
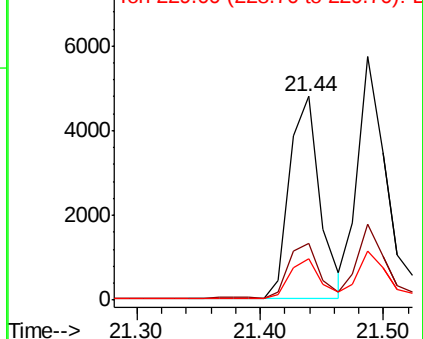
228 100

226 27.6 21.8 32.8

229 20.4 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: 0.370 ng

RT: 21.49 min Scan# 1673

Delta R.T. -0.01 min

Lab File: BE098554.D

Acq: 21 Dec 2018 16:31

Instrument :

BNA_E

ClientSampleId :

PB115910BSD

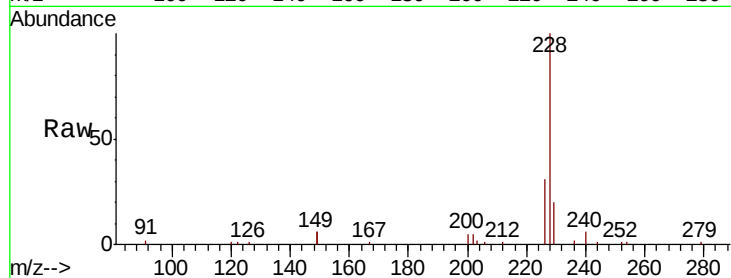
Tgt Ion:228 Resp: 8885

Ion Ratio Lower Upper

228 100

226 31.1 23.4 35.0

229 20.1 16.2 24.4

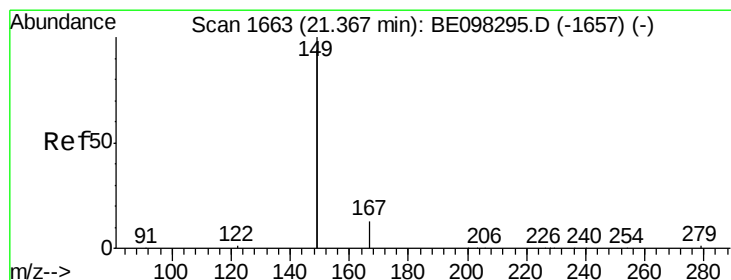
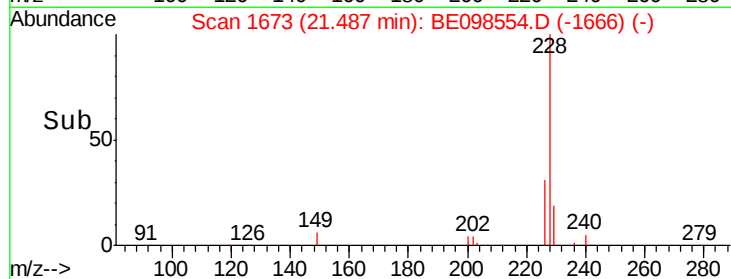
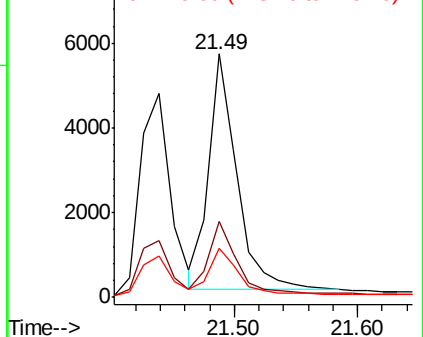


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.311 ng

RT: 21.35 min Scan# 1662

Delta R.T. -0.01 min

Lab File: BE098554.D

Acq: 21 Dec 2018 16:31

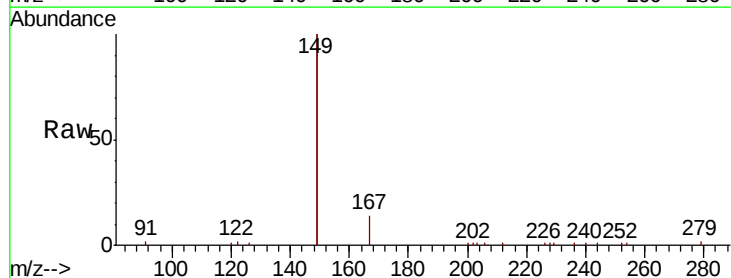
Tgt Ion:149 Resp: 14505

Ion Ratio Lower Upper

149 100

167 7.2 5.7 8.5

279 1.1 1.0 1.4

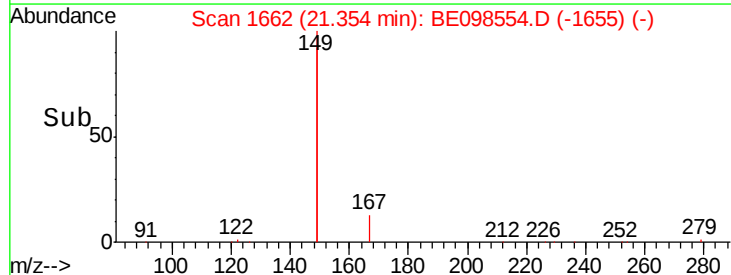
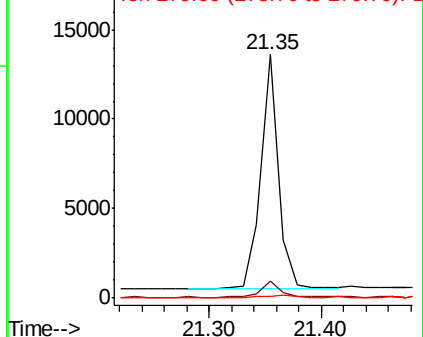


Abundance

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: 0.364 ng

RT: 26.67 min Scan# 3014

Delta R.T. -0.03 min

Lab File: BE098554.D

Acq: 21 Dec 2018 16:31

Instrument :

BNA_E

ClientSampleId :

PB115910BSD

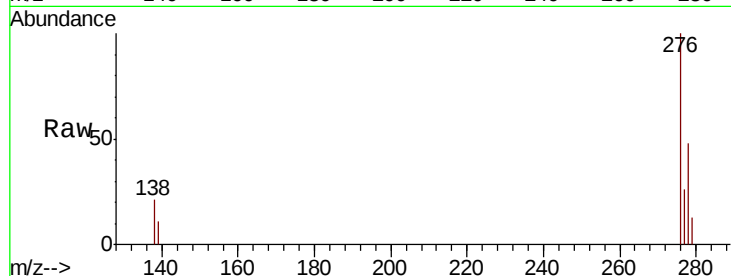
Tgt Ion:276 Resp: 8706

Ion Ratio Lower Upper

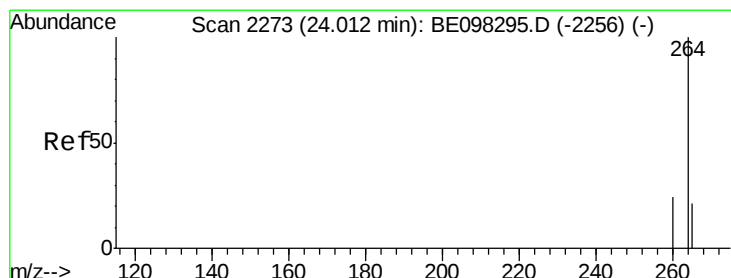
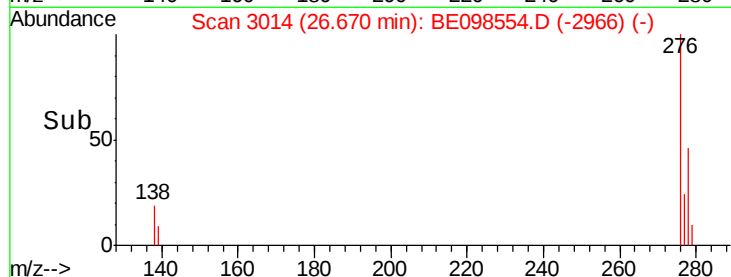
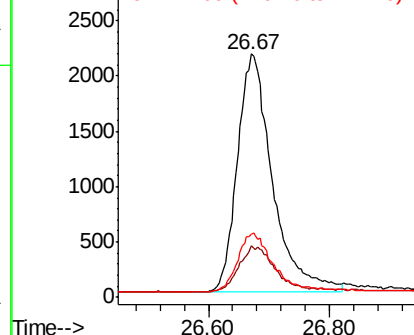
276 100

138 9.2 16.3 24.5#

277 23.8 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: 23.99 min Scan# 2267

Delta R.T. -0.02 min

Lab File: BE098554.D

Acq: 21 Dec 2018 16:31

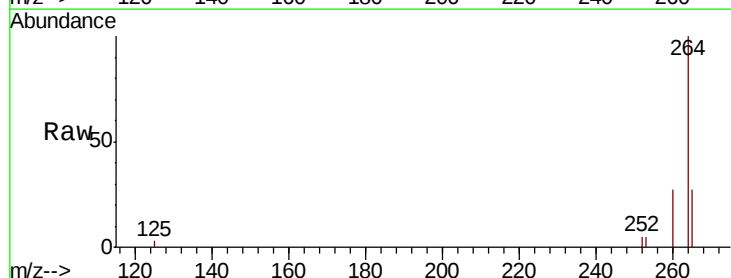
Tgt Ion:264 Resp: 7567

Ion Ratio Lower Upper

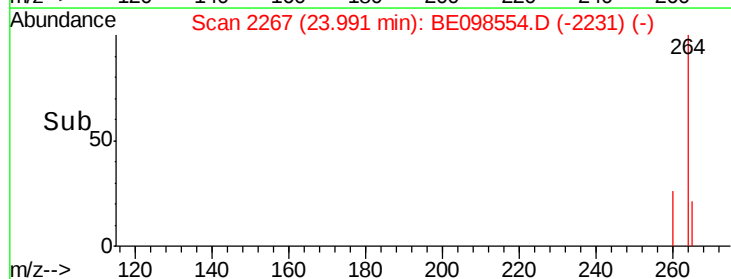
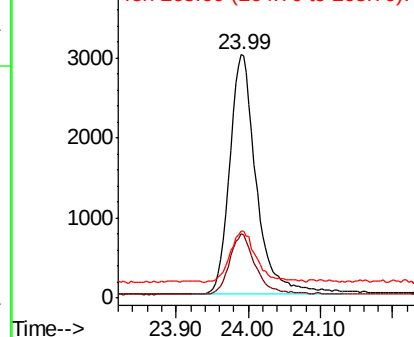
264 100

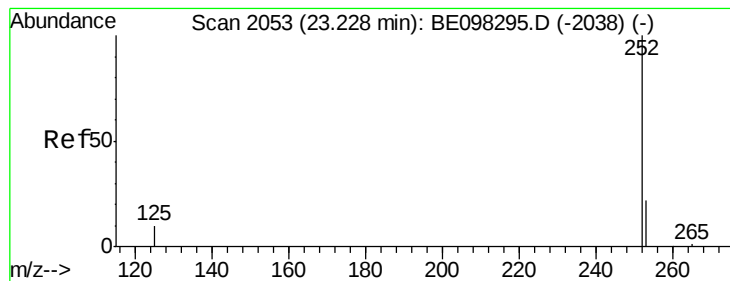
260 26.5 20.2 30.2

265 27.4 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: 0.405 ng

RT: 23.21 min Scan# 2048

Delta R.T. -0.02 min

Lab File: BE098554.D

Acq: 21 Dec 2018 16:31

Instrument :

BNA_E

ClientSampleId :

PB115910BSD

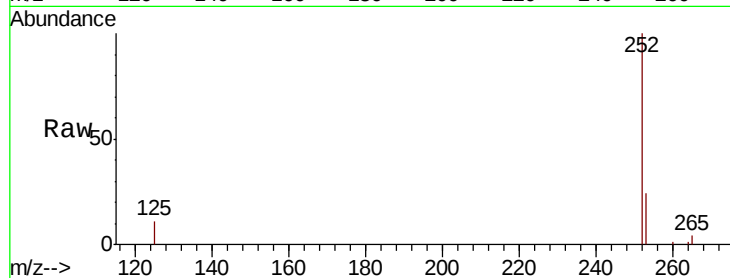
Tgt Ion:252 Resp: 8373

Ion Ratio Lower Upper

252 100

253 23.7 20.0 30.0

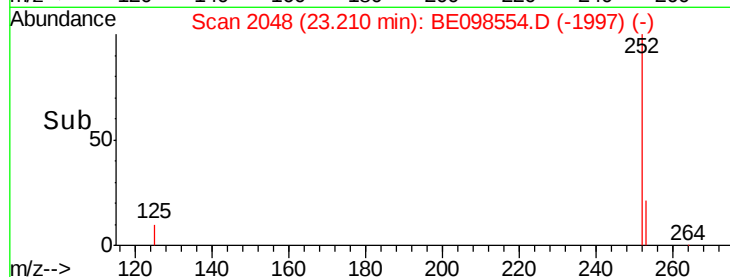
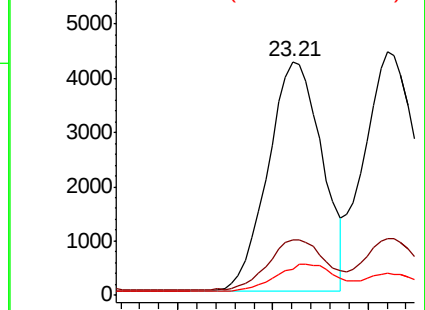
125 11.4 9.6 14.4



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: 0.347 ng

RT: 23.21 min Scan# 2048

Delta R.T. -0.07 min

Lab File: BE098554.D

Acq: 21 Dec 2018 16:31

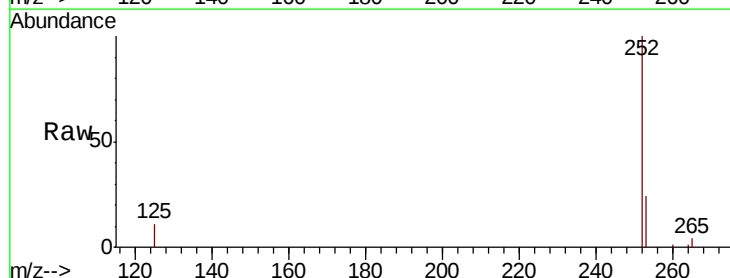
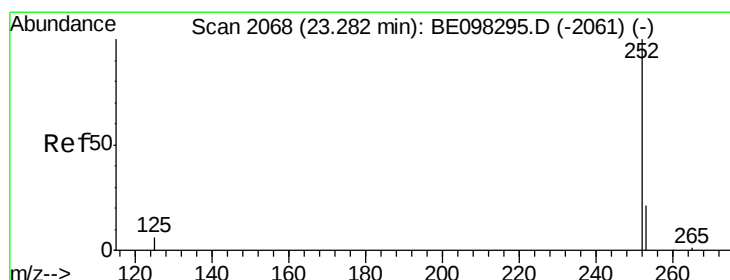
Tgt Ion:252 Resp: 8373

Ion Ratio Lower Upper

252 100

253 23.7 19.0 28.6

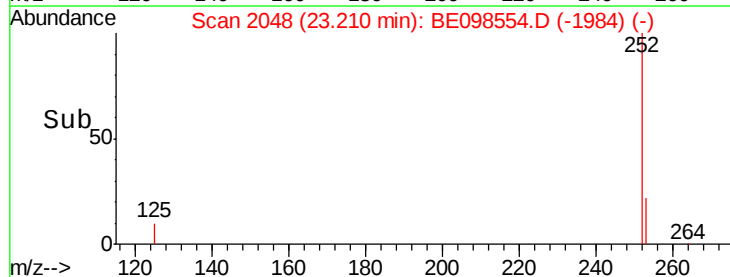
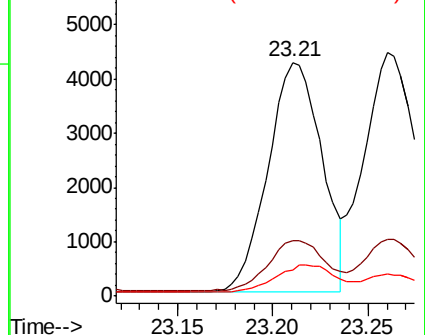
125 11.4 9.1 13.7



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: 0.377 ng

RT: 23.88 min Scan# 2235

Delta R.T. -0.02 min

Lab File: BE098554.D

Acq: 21 Dec 2018 16:31

Instrument :

BNA_E

ClientSampleId :

PB115910BSD

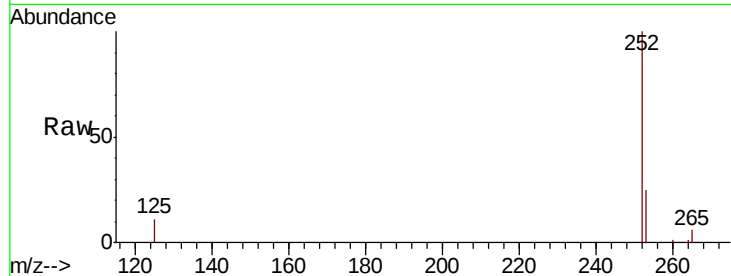
Tgt Ion:252 Resp: 8040

Ion Ratio Lower Upper

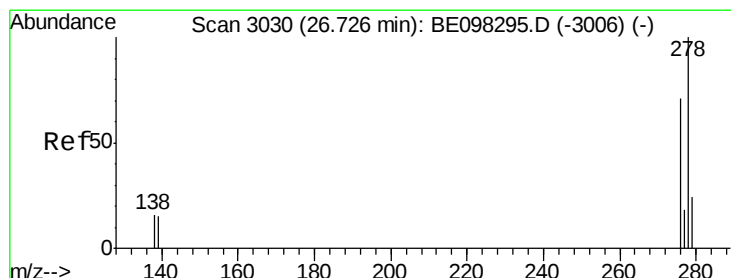
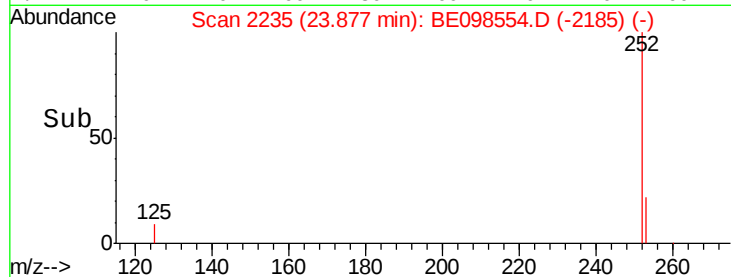
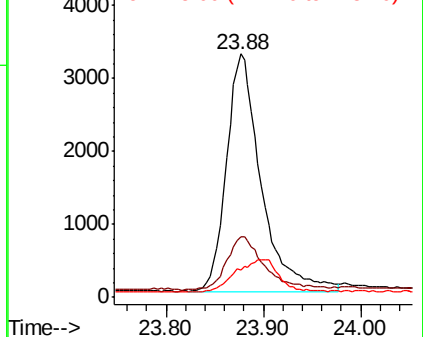
252 100

253 24.7 20.6 30.8

125 11.5 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: 0.355 ng

RT: 26.69 min Scan# 3020

Delta R.T. -0.03 min

Lab File: BE098554.D

Acq: 21 Dec 2018 16:31

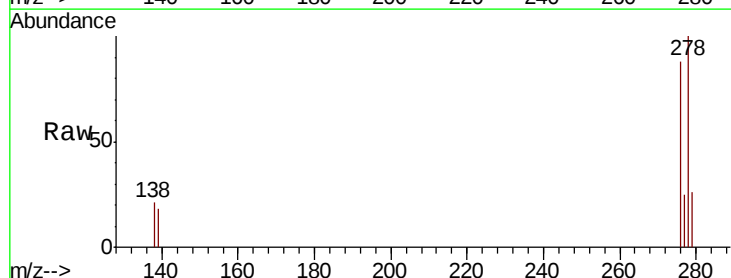
Tgt Ion:278 Resp: 7130

Ion Ratio Lower Upper

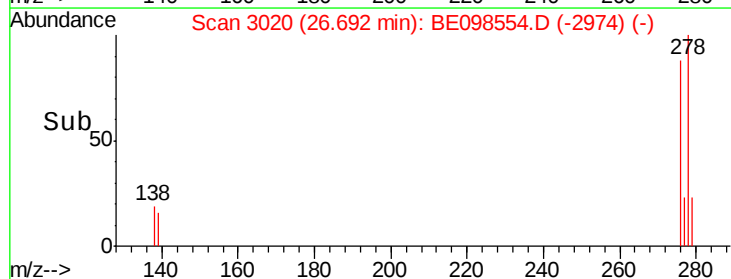
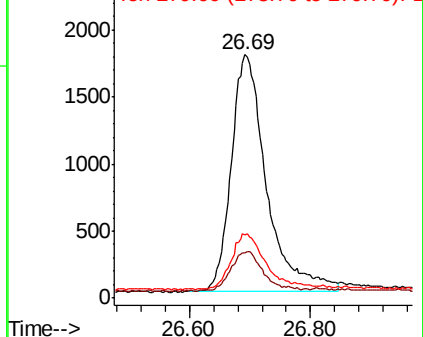
278 100

139 18.3 14.5 21.7

279 25.9 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: 0.367 ng

RT: 27.49 min Scan# 3244

Delta R.T. -0.03 min

Lab File: BE098554.D

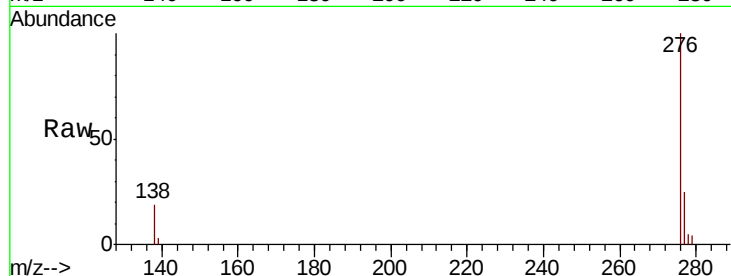
Acq: 21 Dec 2018 16:31

Instrument :

BNA_E

ClientSampleId :

PB115910BSD



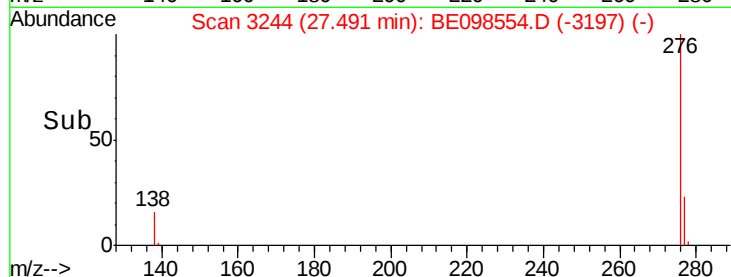
Tgt Ion: 276 Resp: 7447

Ion Ratio Lower Upper

276 100

277 25.4 20.8 31.2

138 18.8 15.8 23.6



Abundance Ion 276.00 (275.70 to 276.70): E

2500 Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

