

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE122618\
 Data File : BE098562.D
 Acq On : 26 Dec 2018 11:58
 Operator : SJ/JU
 Sample : PB115910BSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB115910BSD

Quant Time: Dec 26 12:36:14 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 10 14:59:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	319	0.40	ng	-0.01
7) Naphthalene-d8	10.65	136	1268	0.40	ng	-0.01
13) Acenaphthene-d10	14.51	164	913	0.40	ng	-0.01
19) Phenanthrene-d10	17.26	188	3416	0.40	ng	-0.02
27) Chrysene-d12	21.45	240	7563	0.40	ng	-0.01
34) Perylene-d12	23.98	264	7753	0.40	ng	-0.03

System Monitoring Compounds						
4) 2-Fluorophenol	5.45	112	234	0.31	ng	0.00
5) Phenol-d6	7.04	99	321	0.30	ng	0.00
8) Nitrobenzene-d5	9.04	82	251	0.22	ng	0.03
11) 2-Methylnaphthalene-d10	12.25	152	791	0.38	ng	-0.01
14) 2,4,6-Tribromophenol	16.01	330	200	0.60	ng	-0.01
15) 2-Fluorobiphenyl	13.13	172	1157	0.30	ng	-0.01
25) Fluoranthene-d10	19.29	212	22380	0.51	ng	-0.02
29) Terphenyl-d14	19.89	244	5434	0.30	ng	-0.02

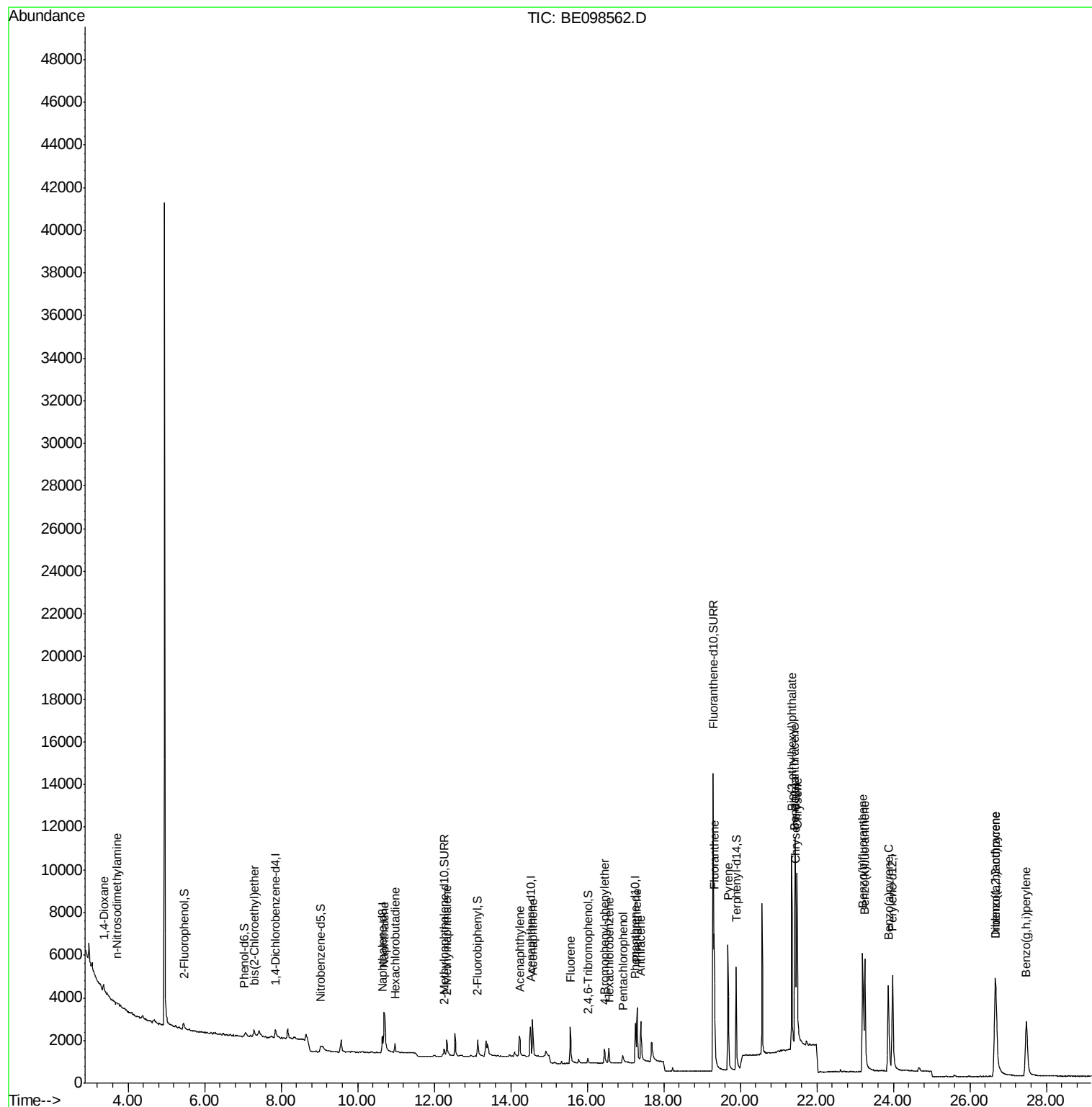
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.36	88	215	0.390	ng	# 18
3) n-Nitrosodimethylamine	3.70	42	154	0.310	ng	# 100
6) bis(2-Chloroethyl)ether	7.29	93	234	0.233	ng	97
9) Naphthalene	10.69	128	4655	0.365	ng	# 93
10) Hexachlorobutadiene	10.98	225	320	0.394	ng	95
12) 2-Methylnaphthalene	12.32	142	715	0.345	ng	# 85
16) Acenaphthylene	14.23	152	1362	0.318	ng	95
17) Acenaphthene	14.57	154	884	0.344	ng	96
18) Fluorene	15.55	166	1360	0.396	ng	99
20) 4-Bromophenyl-phenylether	16.45	248	447	0.243	ng	96
21) Hexachlorobenzene	16.57	284	585	0.296	ng	96
22) Pentachlorophenol	16.93	266	326	0.881	ng	94
23) Phenanthrene	17.30	178	3108	0.374	ng	99
24) Anthracene	17.40	178	2543	0.344	ng	98
26) Fluoranthene	19.32	202	5817	0.530	ng	97
28) Pyrene	19.68	202	6242	0.263	ng	100
30) Benzo(a)anthracene	21.43	228	7717	0.358	ng	99
31) Chrysene	21.49	228	8036	0.356	ng	99
32) Bis(2-ethylhexyl)phthalate	21.34	149	11453	0.262	ng	100
33) Indeno(1,2,3-cd)pyrene	26.66	276	8697	0.387	ng	96
35) Benzo(b)fluoranthene	23.20	252	8446	0.398	ng	96
36) Benzo(k)fluoranthene	23.25	252	9462	0.383	ng	98
37) Benzo(a)pyrene	23.87	252	8178	0.374	ng	96
38) Dibenzo(a,h)anthracene	26.68	278	7108	0.345	ng	96
39) Benzo(g,h,i)perylene	27.48	276	7536	0.363	ng	98

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

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QLast Update : Mon Dec 10 14:59:55 2018
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.85 min Scan# 433

Delta R.T. -0.01 min

Lab File: BE098562.D

Acq: 26 Dec 2018 11:58

Instrument :

BNA_E

ClientSampleId :

PB115910BSD

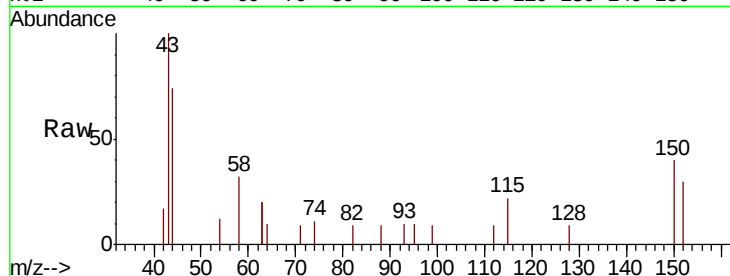
Tot Ion:152 Resp: 319

Ion Ratio Lower Upper

152 100

150 134.4 124.2 186.4

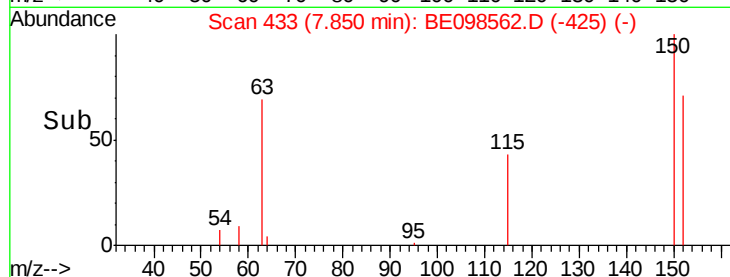
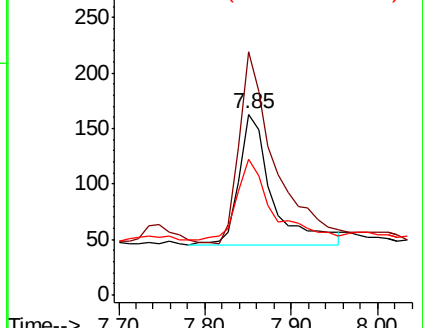
115 74.8 53.9 80.9



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: 0.390 ng

RT: 3.36 min Scan# 43

Delta R.T. -0.01 min

Lab File: BE098562.D

Acq: 26 Dec 2018 11:58

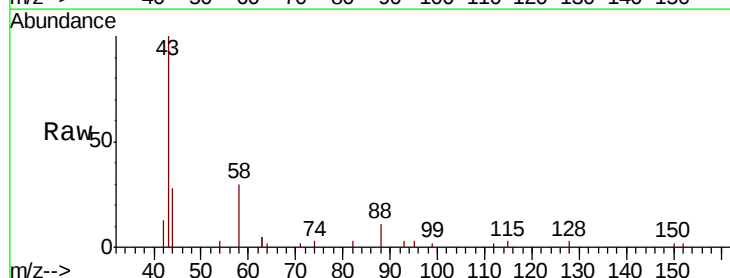
Tgt Ion: 88 Resp: 215

Ion Ratio Lower Upper

88 100

58 142.3 75.0 112.6#

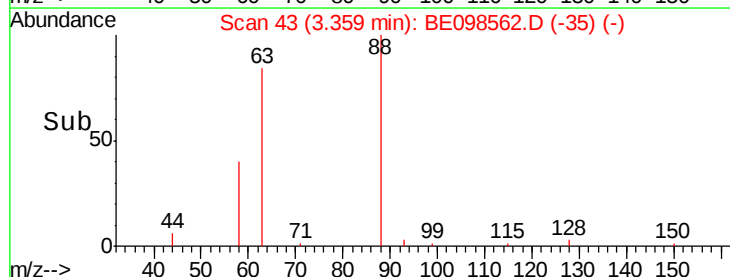
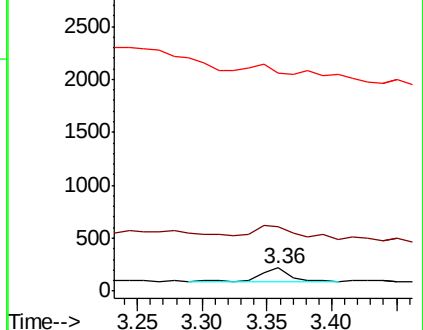
43 144.2 38.3 57.5#



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: 0.310 ng

RT: 3.70 min Scan# 73

Delta R.T. 0.01 min

Lab File: BE098562.D

Acq: 26 Dec 2018 11:58

Instrument :

BNA_E

ClientSampleId :

PB115910BSD

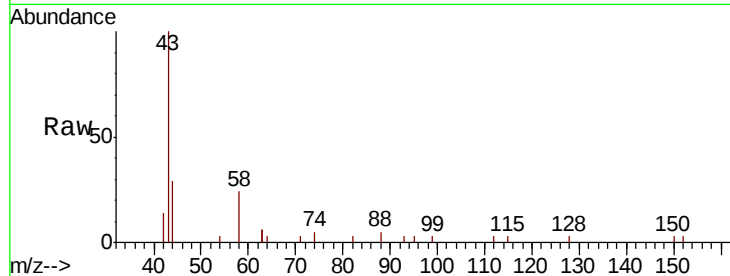
Tot Ion: 42 Resp: 154

Ion Ratio Lower Upper

42 100

74 67.5 0.0 0.0#

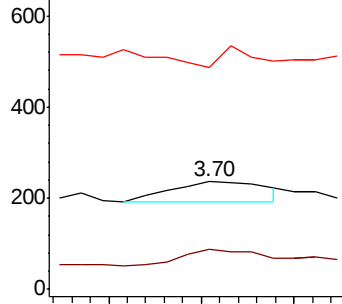
44 37.0 0.0 0.0#



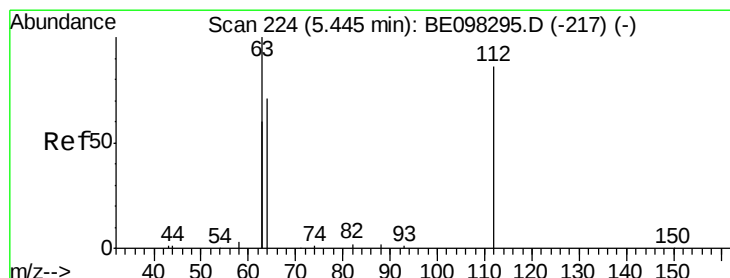
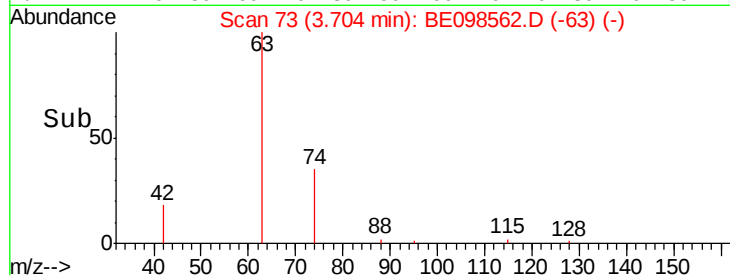
Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



Time-->



#4

2-Fluorophenol

Concen: 0.313 ng

RT: 5.45 min Scan# 225

Delta R.T. 0.01 min

Lab File: BE098562.D

Acq: 26 Dec 2018 11:58

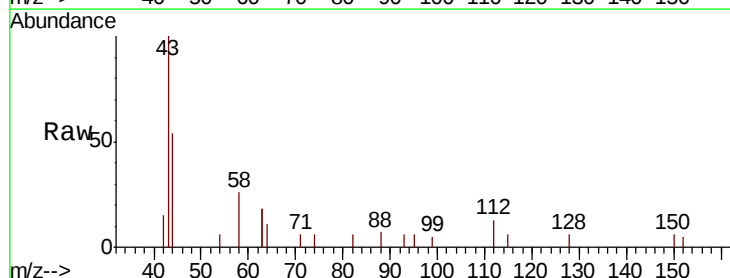
Tgt Ion: 112 Resp: 234

Ion Ratio Lower Upper

112 100

64 91.9 59.8 89.8#

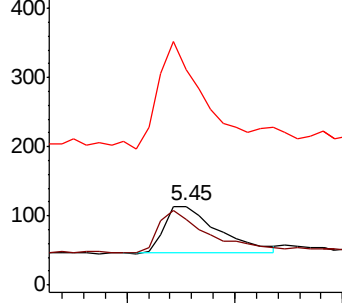
63 177.4 133.7 200.5



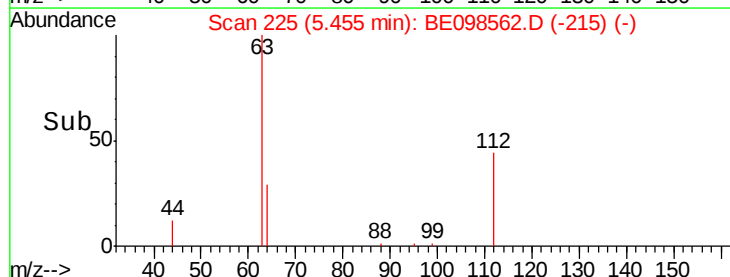
Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



Time-->





#5

Phenol-d6

Concen: 0.304 ng

RT: 7.04 min Scan# 363

Delta R.T. -0.00 min

Lab File: BE098562.D

Acq: 26 Dec 2018 11:58

Instrument :

BNA_E

ClientSampleId :

PB115910BSD

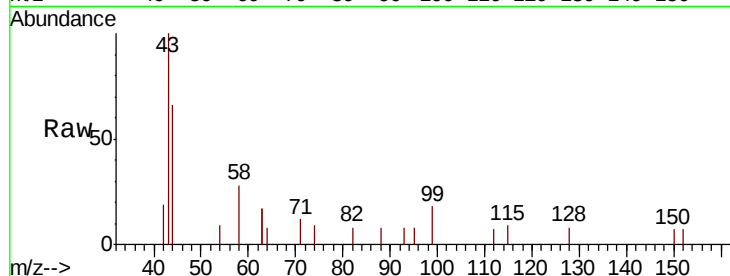
Tot Ion: 99 Resp: 321

Ion Ratio Lower Upper

99 100

42 39.3 26.3 39.5

71 30.5 33.6 50.4#



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

7.04

150

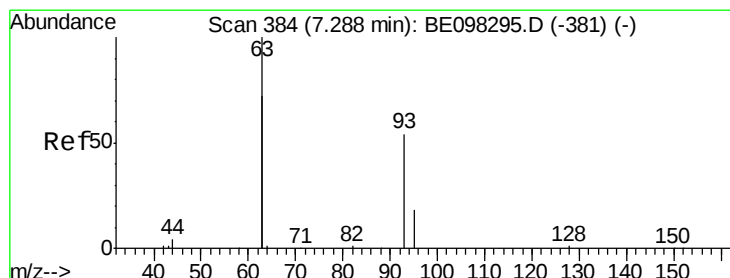
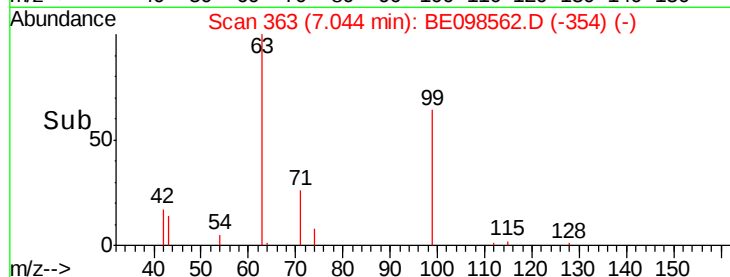
100

50

0

6.90 7.00 7.10 7.20

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.233 ng

RT: 7.29 min Scan# 384

Delta R.T. -0.00 min

Lab File: BE098562.D

Acq: 26 Dec 2018 11:58

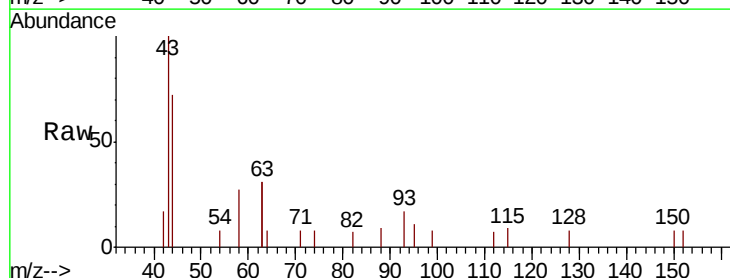
Tgt Ion: 93 Resp: 234

Ion Ratio Lower Upper

93 100

63 322.6 264.4 396.6

95 32.9 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

500

400

300

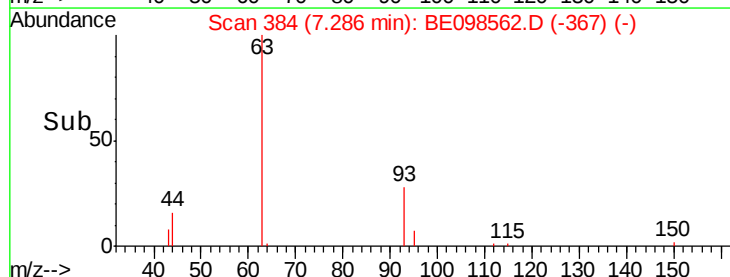
200

100

0

7.20 7.30 7.40

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE098562.D

Acq: 26 Dec 2018 11:58

Instrument :

BNA_E

ClientSampleId :

PB115910BSD

Tot Ion:136 Resp: 1268

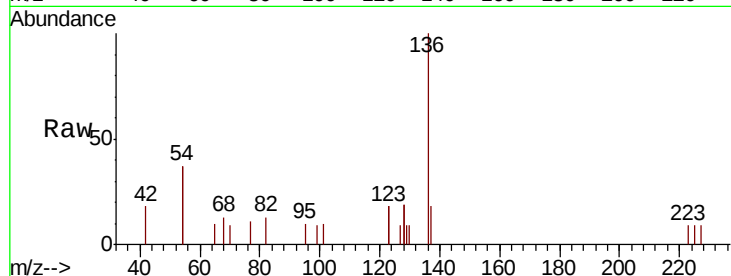
Ion Ratio Lower Upper

136 100

137 18.5 9.2 13.8#

54 73.1 28.4 42.6#

68 13.5 5.4 8.0#

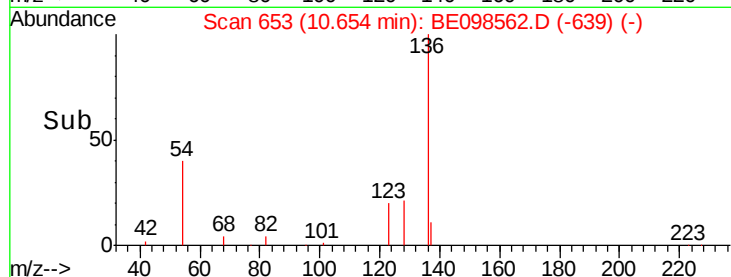
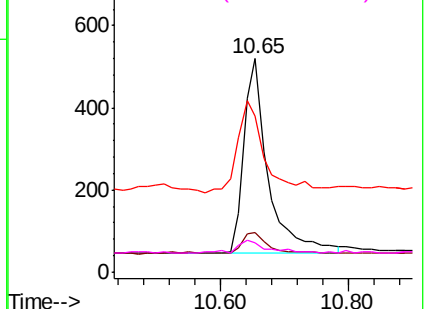


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.217 ng

RT: 9.04 min Scan# 529

Delta R.T. 0.03 min

Lab File: BE098562.D

Acq: 26 Dec 2018 11:58

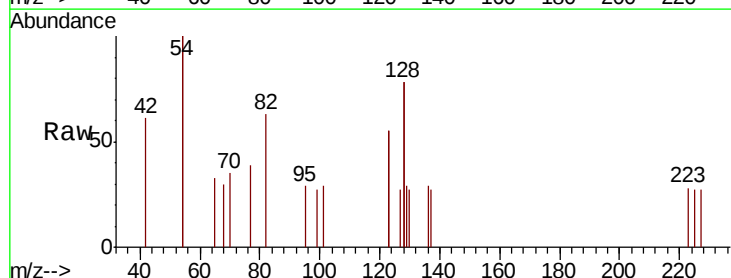
Tgt Ion: 82 Resp: 251

Ion Ratio Lower Upper

82 100

128 249.5 102.4 153.6#

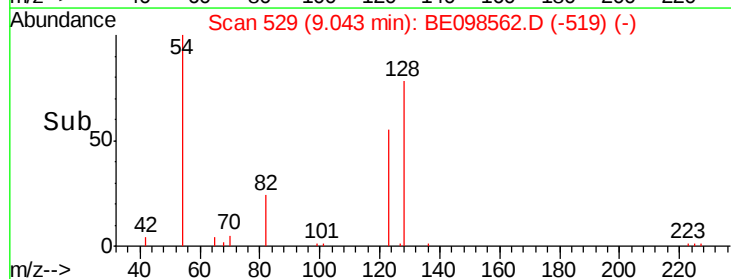
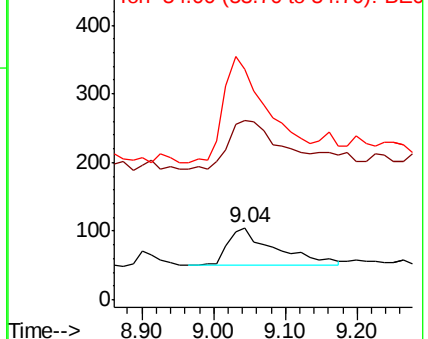
54 320.0 221.8 332.8

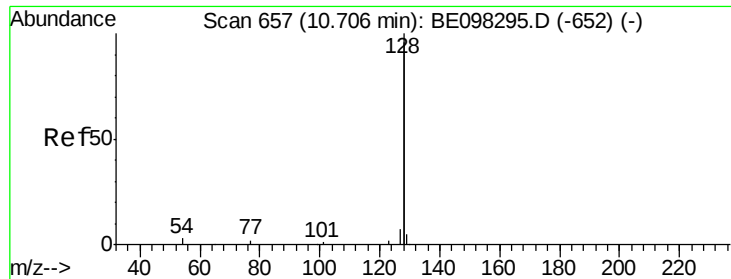


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.365 ng

RT: 10.69 min Scan# 656

Delta R.T. -0.01 min

Lab File: BE098562.D

Acq: 26 Dec 2018 11:58

Instrument :

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ClientSampleId :

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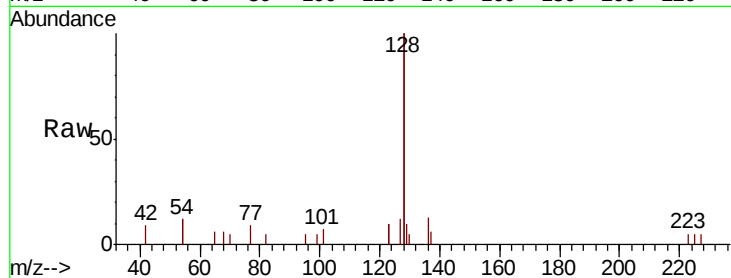
Tot Ion:128 Resp: 4655

Ion Ratio Lower Upper

128 100

129 4.9 2.5 3.7#

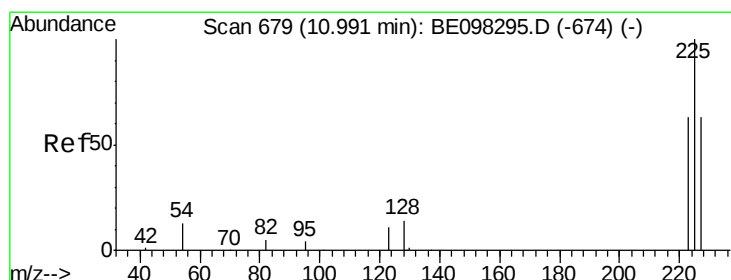
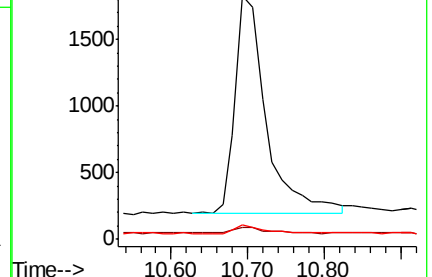
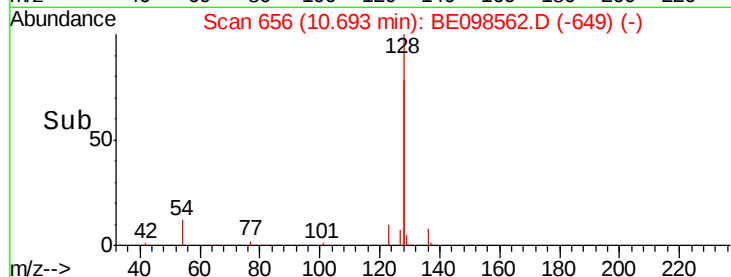
127 5.9 2.7 4.1#



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: 0.394 ng

RT: 10.98 min Scan# 678

Delta R.T. -0.01 min

Lab File: BE098562.D

Acq: 26 Dec 2018 11:58

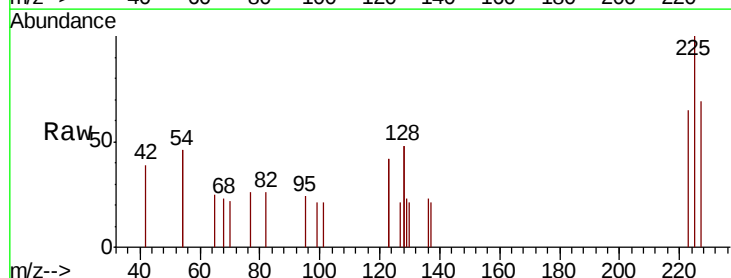
Tgt Ion:225 Resp: 320

Ion Ratio Lower Upper

225 100

223 58.1 49.4 74.0

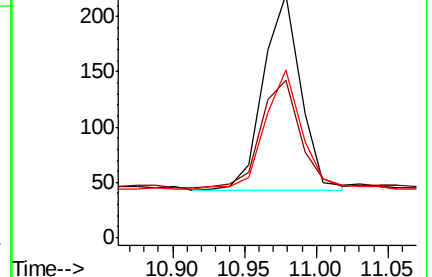
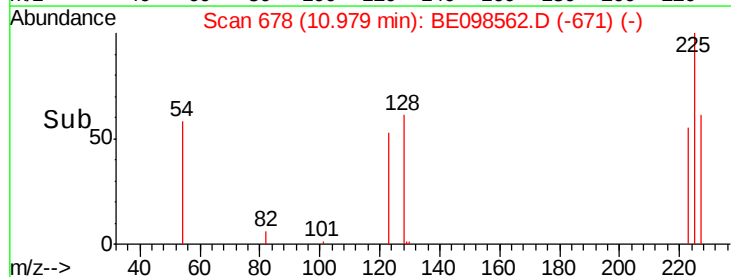
227 60.9 52.0 78.0



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: 0.384 ng

RT: 12.25 min Scan# 766

Delta R.T. -0.01 min

Lab File: BE098562.D

Acq: 26 Dec 2018 11:58

Instrument :

BNA_E

ClientSampleId :

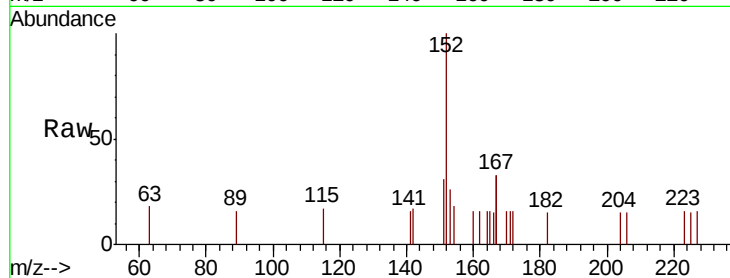
PB115910BSD

Tot Ion:152 Resp: 791

Ion Ratio Lower Upper

152 100

151 16.9 16.2 24.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.25

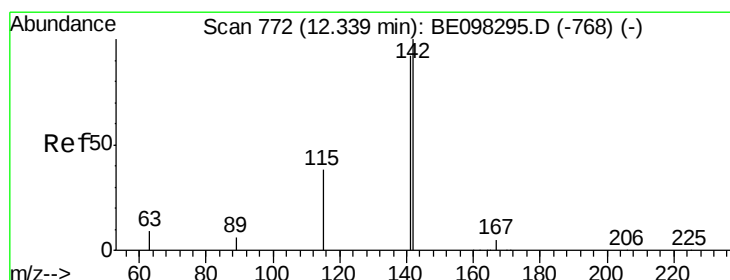
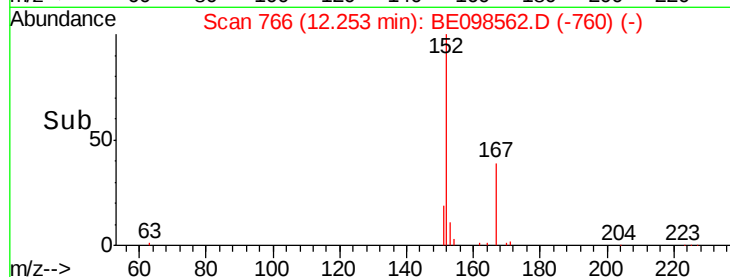
300

200

100

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.345 ng

RT: 12.32 min Scan# 771

Delta R.T. -0.01 min

Lab File: BE098562.D

Acq: 26 Dec 2018 11:58

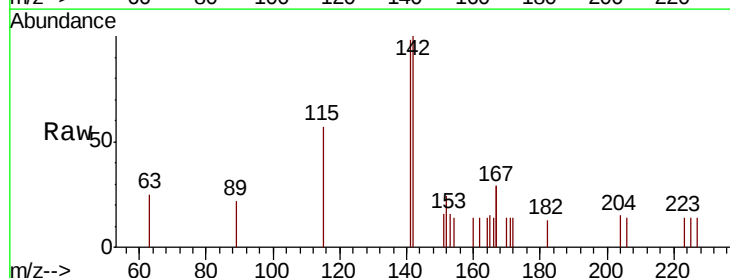
Tgt Ion:142 Resp: 715

Ion Ratio Lower Upper

142 100

141 98.1 71.0 106.6

115 57.1 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

12.32

400

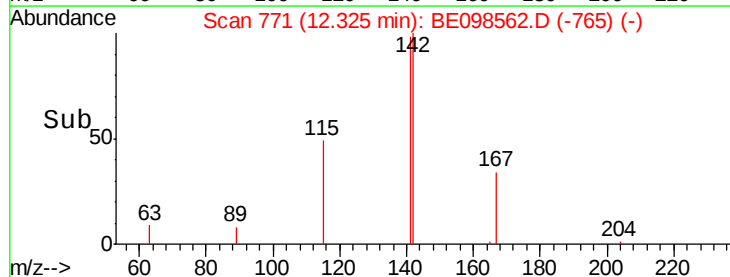
300

200

100

0

Time-->

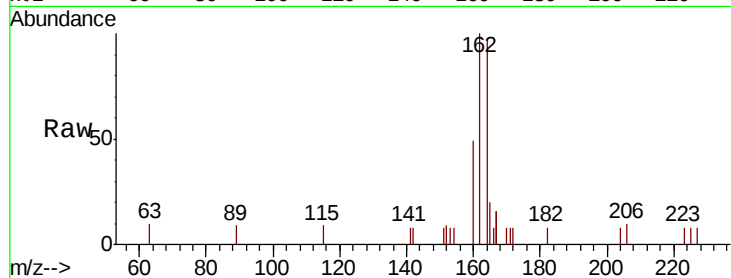




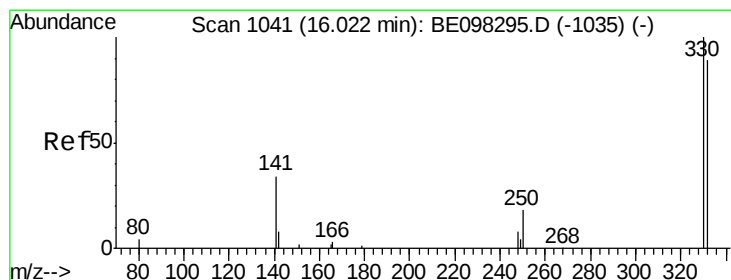
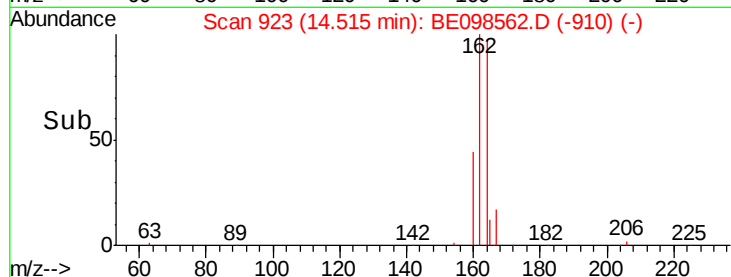
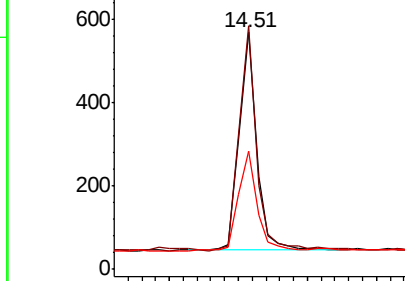
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.51 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: BE098562.D
 Acq: 26 Dec 2018 11:58

Instrument :
 BNA_E
 ClientSampleId :
 PB115910BSD

Tot Ion:164 Resp: 913
 Ion Ratio Lower Upper
 164 100
 162 102.8 77.6 116.4
 160 50.0 36.0 54.0

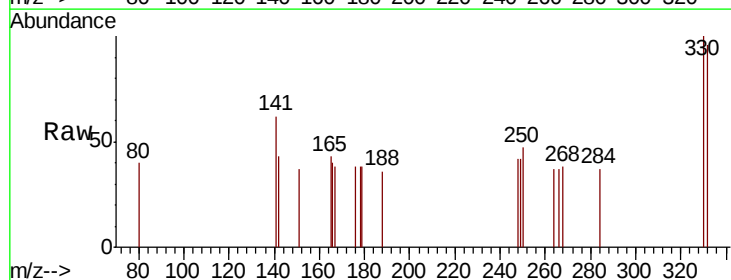


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

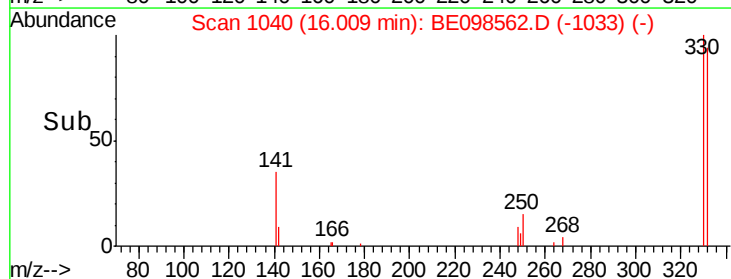
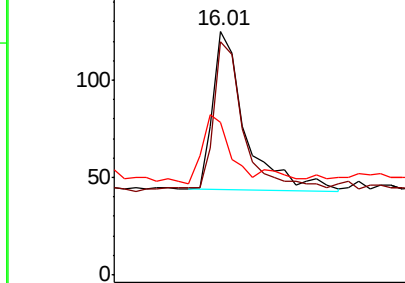


#14
 2,4,6-Tribromophenol
 Concen: 0.597 ng
 RT: 16.01 min Scan# 1040
 Delta R.T. -0.01 min
 Lab File: BE098562.D
 Acq: 26 Dec 2018 11:58

Tgt Ion:330 Resp: 200
 Ion Ratio Lower Upper
 330 100
 332 85.5 76.2 114.4
 141 34.0 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

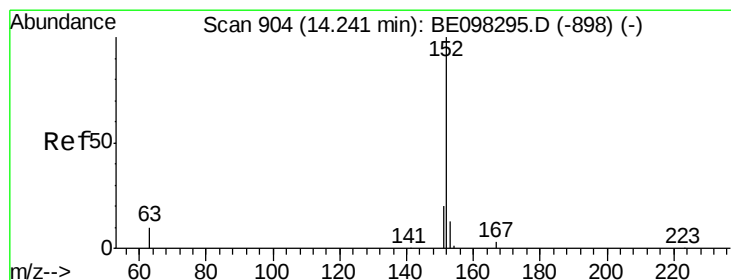
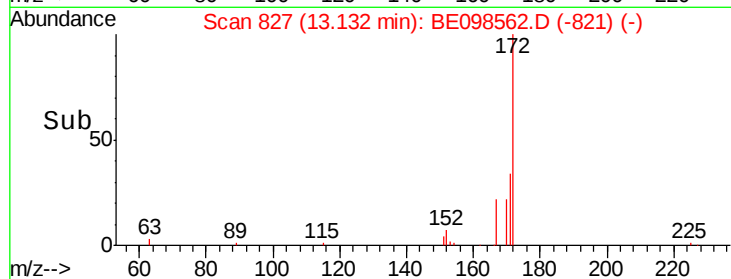
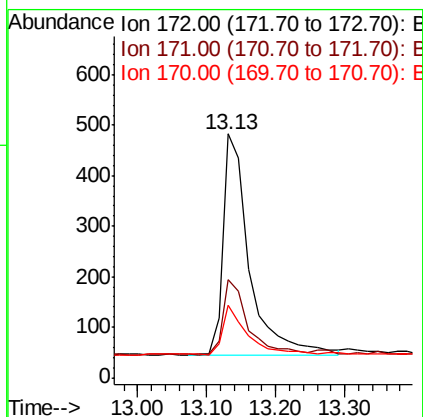
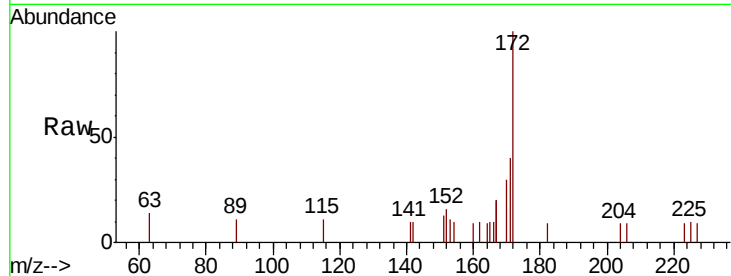




#15
2-Fluorobiphenyl
Concen: 0.300 ng
RT: 13.13 min Scan# 827
Delta R.T. -0.01 min
Lab File: BE098562.D
Acq: 26 Dec 2018 11:58

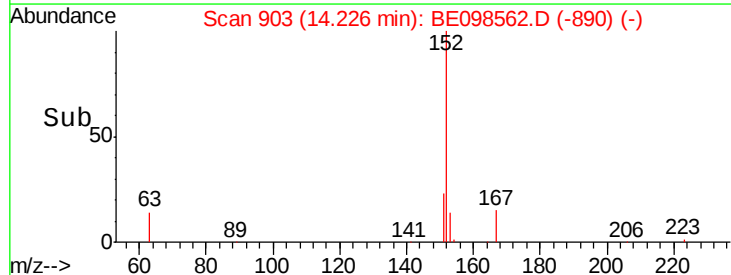
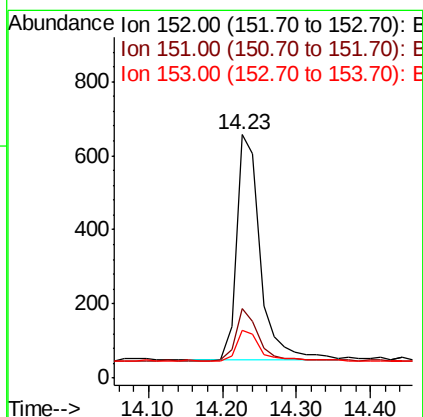
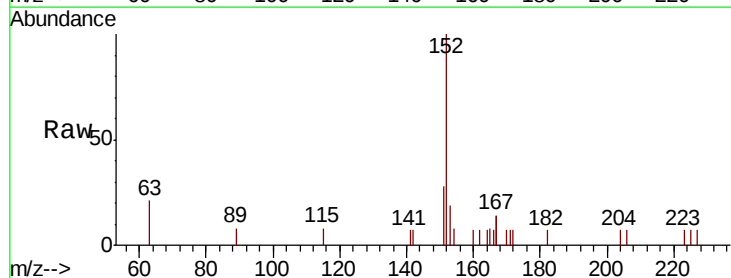
Instrument :
BNA_E
ClientSampleId :
PB115910BSD

Tot Ion:172 Resp: 1157
Ion Ratio Lower Upper
172 100
171 40.2 27.5 41.3
170 29.6 19.6 29.4#



#16
Acenaphthylene
Concen: 0.318 ng
RT: 14.23 min Scan# 903
Delta R.T. -0.01 min
Lab File: BE098562.D
Acq: 26 Dec 2018 11:58

Tgt Ion:152 Resp: 1362
Ion Ratio Lower Upper
152 100
151 22.0 15.5 23.3
153 14.6 10.6 16.0





#17

Acenaphthene

Concen: 0.344 ng

RT: 14.57 min Scan# 927

Delta R.T. -0.01 min

Lab File: BE098562.D

Acq: 26 Dec 2018 11:58

Instrument :

BNA_E

ClientSampleId :

PB115910BSD

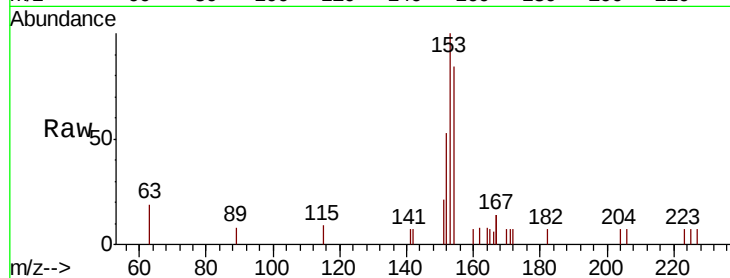
Tot Ion:154 Resp: 884

Ion Ratio Lower Upper

154 100

153 120.9 91.8 137.6

152 56.7 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

800

600

400

200

0

14.57

14.55

14.57

14.59

14.61

14.63

14.65

14.67

14.69

14.71

14.73

14.75

14.77

14.79

14.81

14.83

14.85

14.87

14.89

14.91

14.93

14.95

14.97

14.99

15.01

15.03

15.05

15.07

15.09

15.11

15.13

15.15

15.17

15.19

15.21

15.23

15.25

15.27

15.29

15.31

15.33

15.35

15.37

15.39

15.41

15.43

15.45

15.47

15.49

15.51

15.53

15.55

15.57

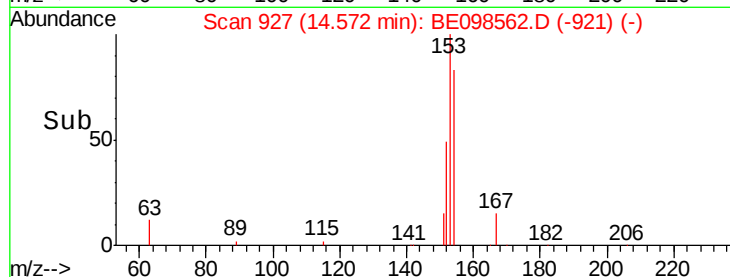
15.59

15.61

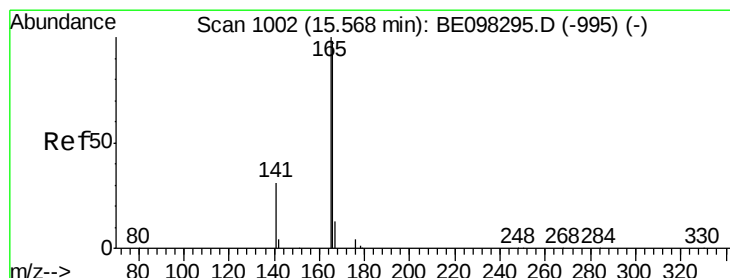
15.63

15.65

15.67



Time-->



#18

Fluorene

Concen: 0.396 ng

RT: 15.55 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BE098562.D

Acq: 26 Dec 2018 11:58

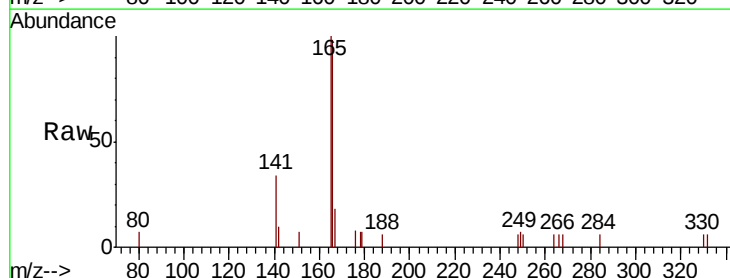
Tgt Ion:166 Resp: 1360

Ion Ratio Lower Upper

166 100

165 97.6 79.3 118.9

167 14.1 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

1000

800

600

400

200

0

15.55

15.53

15.55

15.57

15.59

15.61

15.63

15.65

15.67

15.69

15.71

15.73

15.75

15.77

15.79

15.81

15.83

15.85

15.87

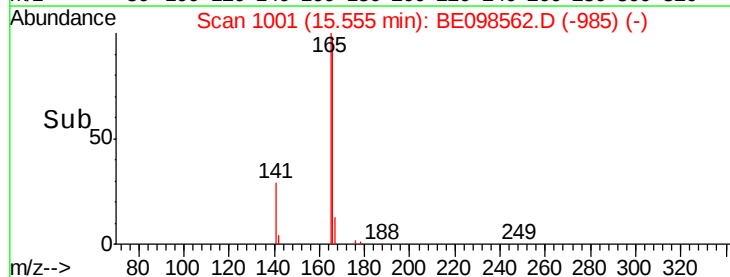
15.89

15.91

15.93

15.95

15.97



Time-->



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.26 min Scan# 1147

Delta R.T. -0.02 min

Lab File: BE098562.D

Acq: 26 Dec 2018 11:58

Instrument :

BNA_E

ClientSampleId :

PB115910BSD

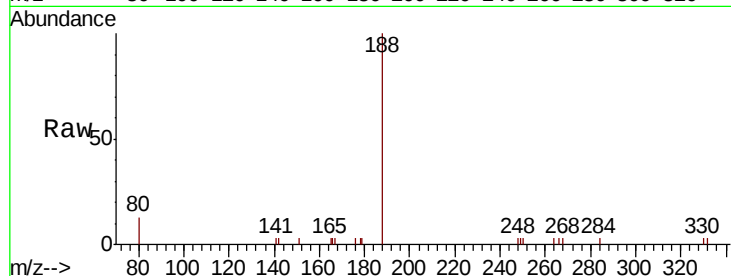
Tot Ion:188 Resp: 3416

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

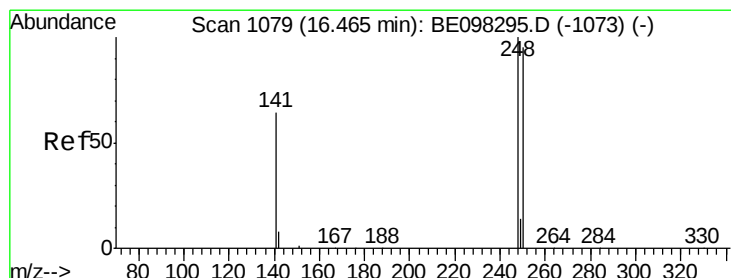
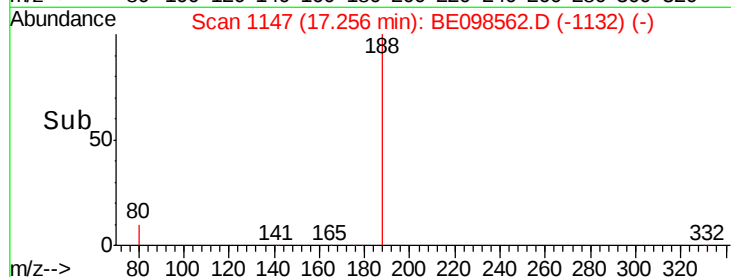
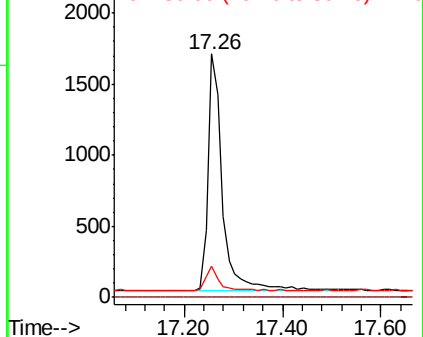
80 13.0 7.2 10.8#



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: 0.243 ng

RT: 16.45 min Scan# 1078

Delta R.T. -0.01 min

Lab File: BE098562.D

Acq: 26 Dec 2018 11:58

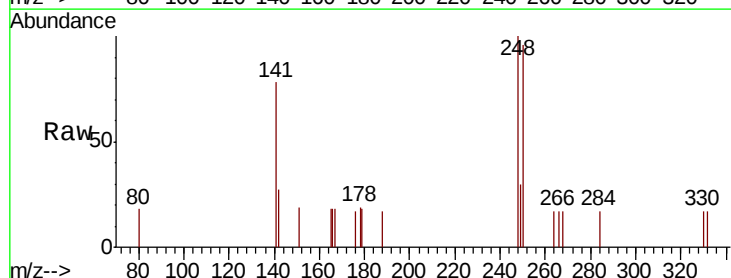
Tgt Ion:248 Resp: 447

Ion Ratio Lower Upper

248 100

250 96.0 71.0 106.6

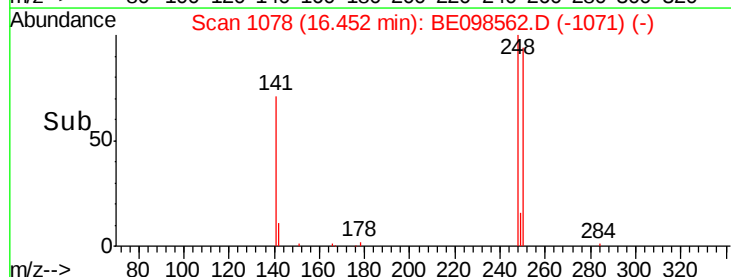
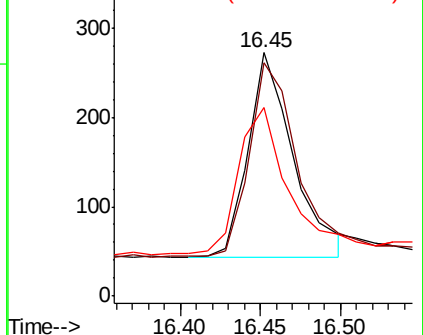
141 77.6 62.1 93.1



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: 0.296 ng

RT: 16.57 min Scan# 1088

Delta R.T. -0.01 min

Lab File: BE098562.D

Acq: 26 Dec 2018 11:58

Instrument :

BNA_E

ClientSampleId :

PB115910BSD

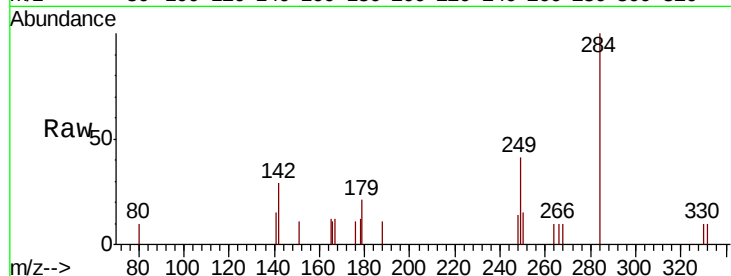
Tot Ion:284 Resp: 585

Ion Ratio Lower Upper

284 100

142 35.0 26.3 39.5

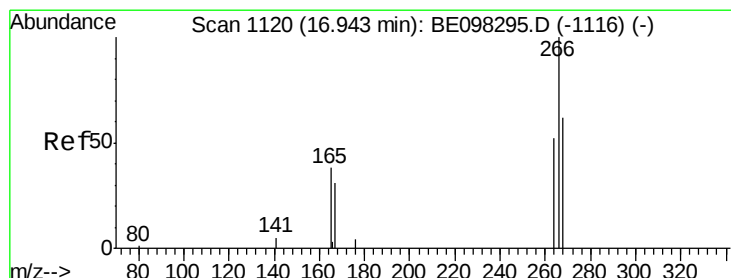
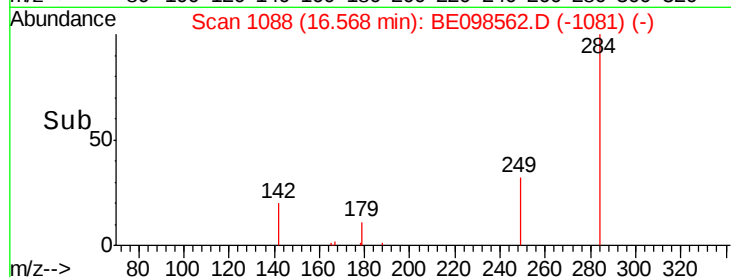
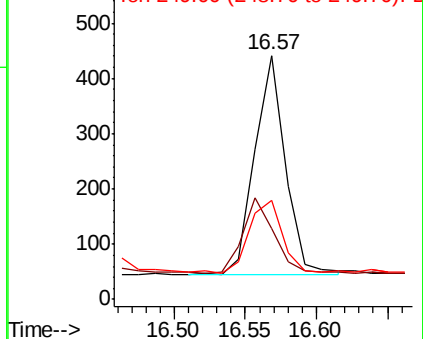
249 34.7 26.0 39.0



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: 0.881 ng

RT: 16.93 min Scan# 1119

Delta R.T. -0.01 min

Lab File: BE098562.D

Acq: 26 Dec 2018 11:58

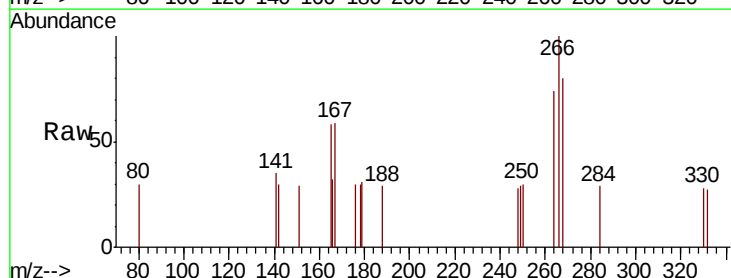
Tgt Ion:266 Resp: 326

Ion Ratio Lower Upper

266 100

264 73.9 59.0 88.4

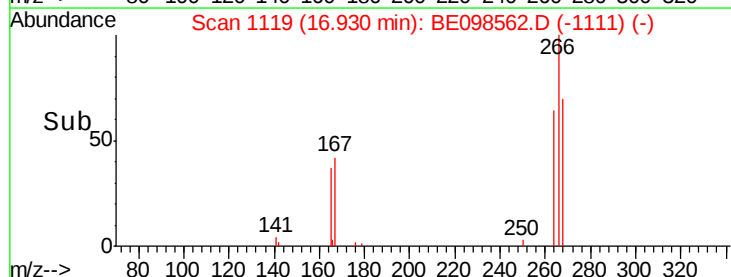
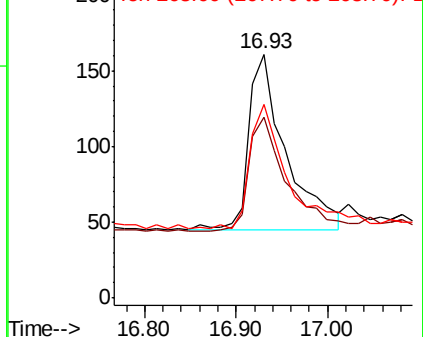
268 79.5 55.1 82.7



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: 0.374 ng

RT: 17.30 min Scan# 1151

Delta R.T. -0.01 min

Lab File: BE098562.D

Acq: 26 Dec 2018 11:58

Instrument :

BNA_E

ClientSampleId :

PB115910BSD

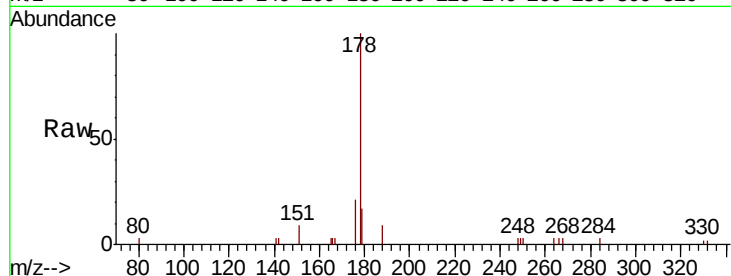
Tot Ion:178 Resp: 3108

Ion Ratio Lower Upper

178 100

176 19.2 15.9 23.9

179 15.7 12.3 18.5

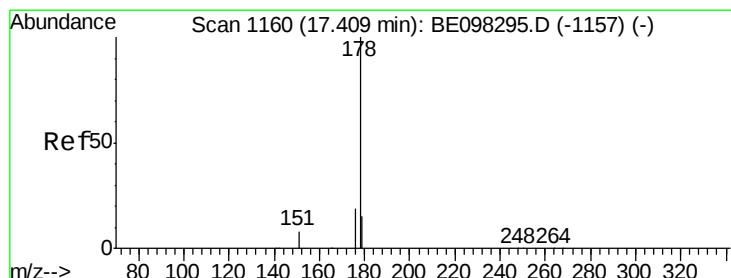
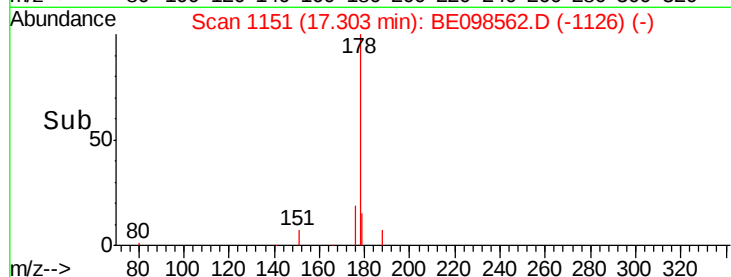
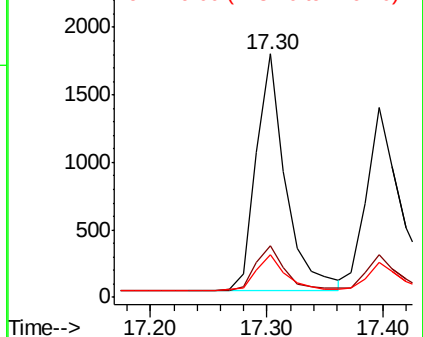


Abundance

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: 0.344 ng

RT: 17.40 min Scan# 1159

Delta R.T. -0.01 min

Lab File: BE098562.D

Acq: 26 Dec 2018 11:58

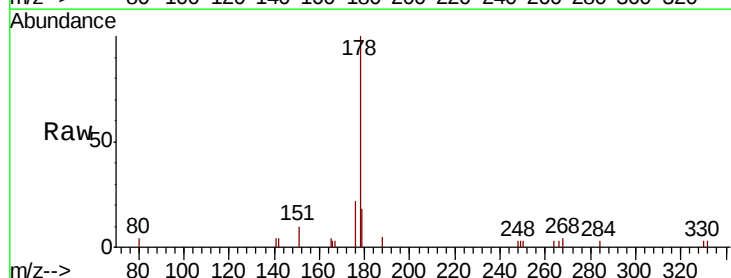
Tgt Ion:178 Resp: 2543

Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.4

179 14.0 12.3 18.5

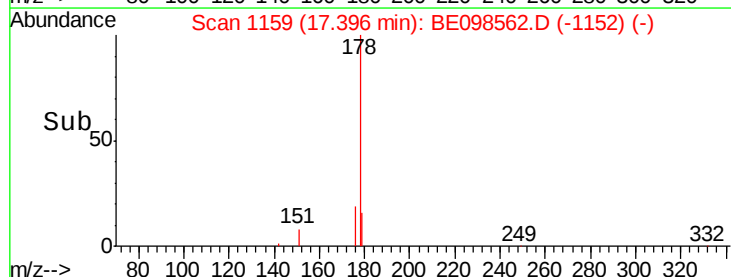
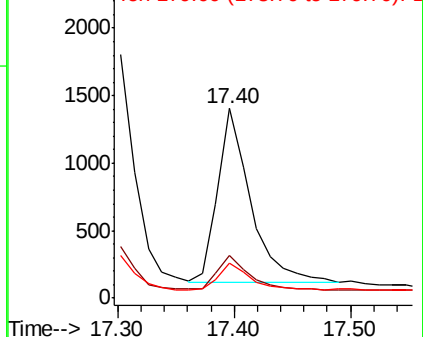


Abundance

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

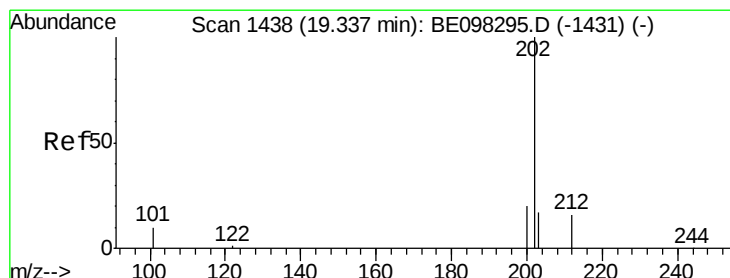
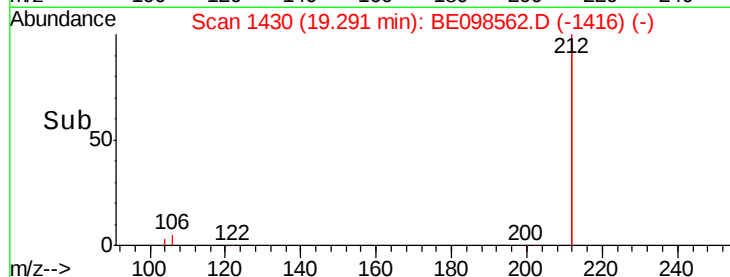
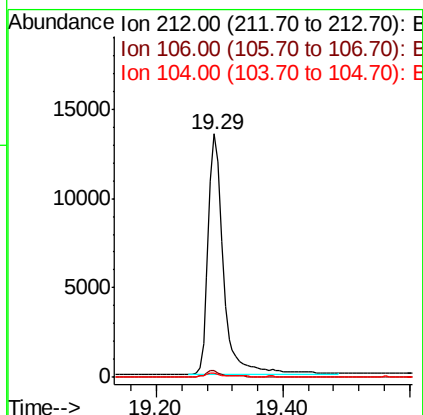
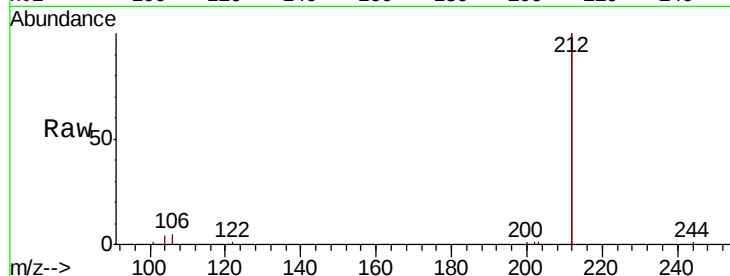




#25
Fluoranthene-d10
Concen: 0.511 ng
RT: 19.29 min Scan# 1430
Delta R.T. -0.02 min
Lab File: BE098562.D
Acq: 26 Dec 2018 11:58

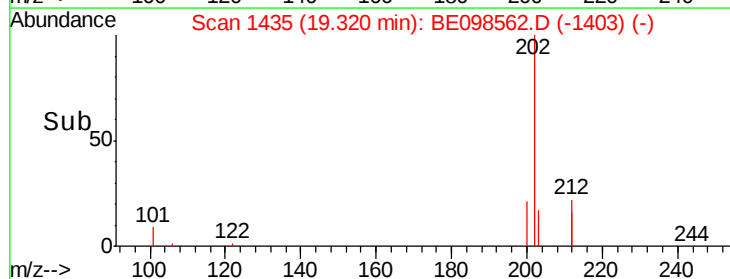
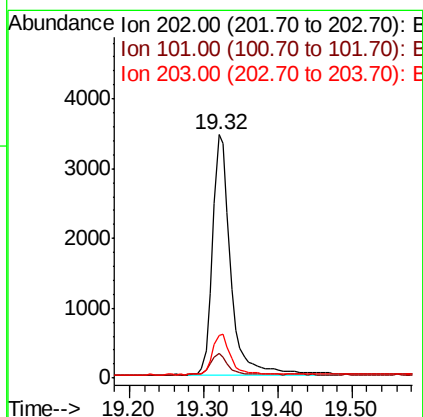
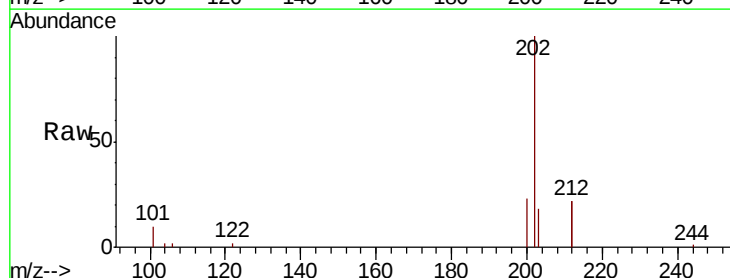
Instrument :
BNA_E
ClientSampleId :
PB115910BSD

Tot Ion:212 Resp: 22380
Ion Ratio Lower Upper
212 100
106 2.3 2.2 3.2
104 1.4 1.3 1.9



#26
Fluoranthene
Concen: 0.530 ng
RT: 19.32 min Scan# 1435
Delta R.T. -0.02 min
Lab File: BE098562.D
Acq: 26 Dec 2018 11:58

Tgt Ion:202 Resp: 5817
Ion Ratio Lower Upper
202 100
101 8.6 8.0 12.0
203 16.3 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: BE098562.D

Acq: 26 Dec 2018 11:58

Instrument :

BNA_E

ClientSampleId :

PB115910BSD

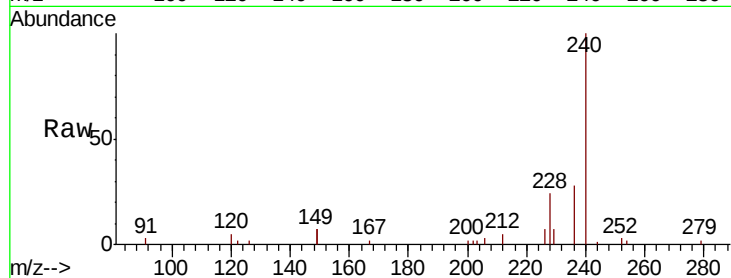
Tot Ion:240 Resp: 7563

Ion Ratio Lower Upper

240 100

120 5.3 9.5 14.3#

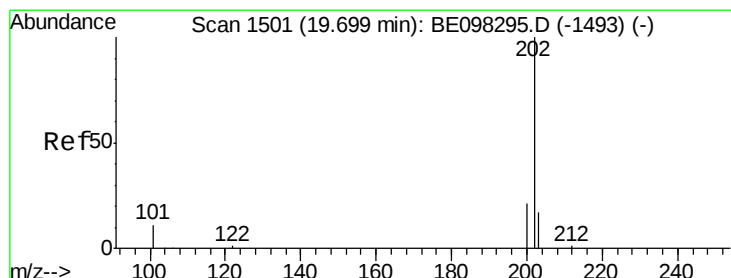
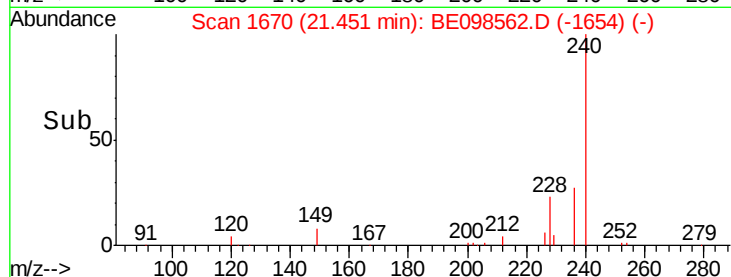
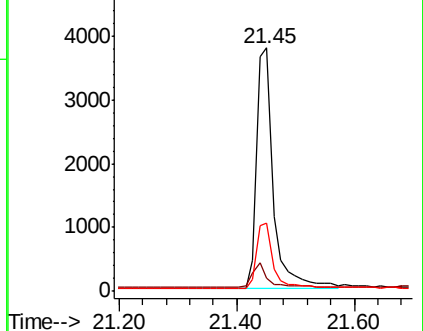
236 28.2 22.7 34.1



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: 0.263 ng

RT: 19.68 min Scan# 1498

Delta R.T. -0.02 min

Lab File: BE098562.D

Acq: 26 Dec 2018 11:58

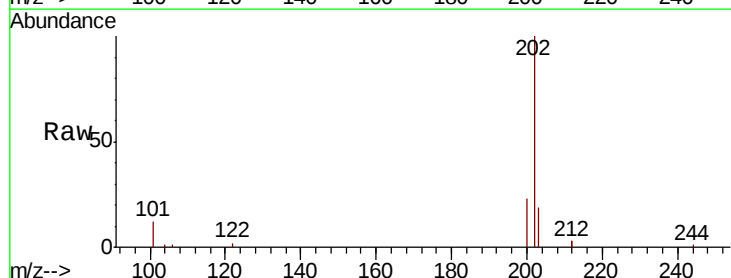
Tgt Ion:202 Resp: 6242

Ion Ratio Lower Upper

202 100

200 20.7 16.7 25.1

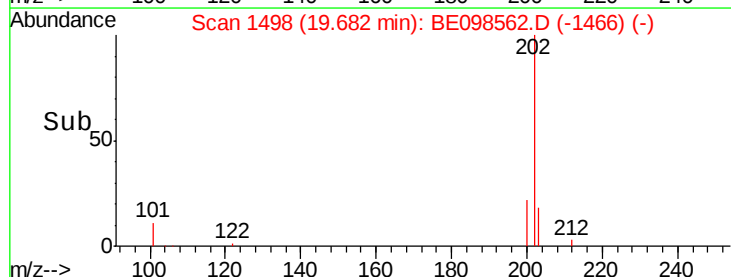
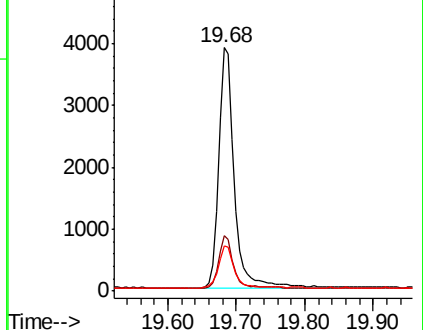
203 17.6 14.1 21.1

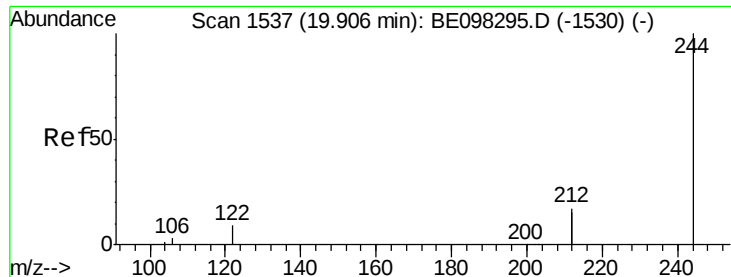


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.296 ng

RT: 19.89 min Scan# 1534

Delta R.T. -0.02 min

Lab File: BE098562.D

Acq: 26 Dec 2018 11:58

Instrument :

BNA_E

ClientSampleId :

PB115910BSD

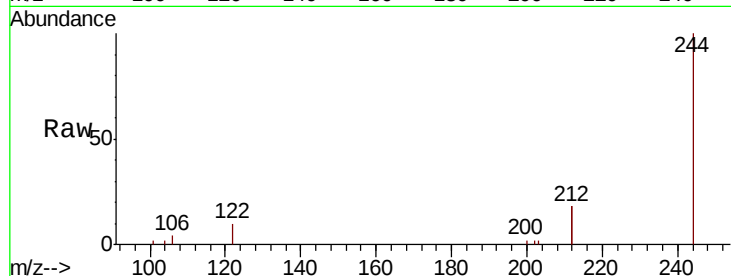
Tot Ion:244 Resp: 5434

Ion Ratio Lower Upper

244 100

212 37.0 27.4 41.0

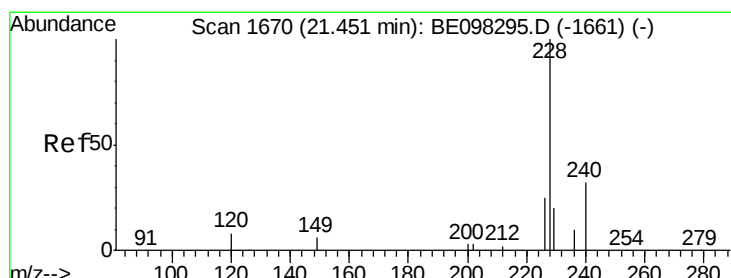
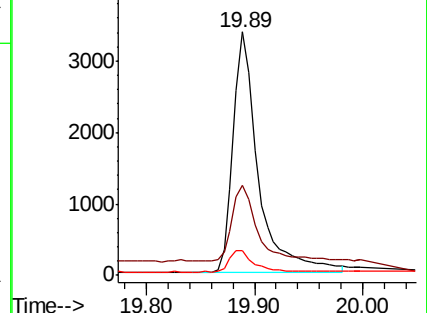
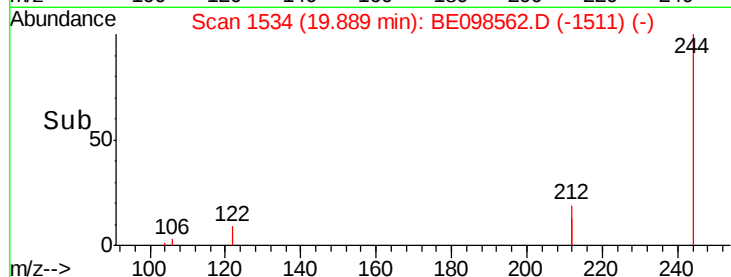
122 9.9 8.3 12.5



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: 0.358 ng

RT: 21.43 min Scan# 1668

Delta R.T. -0.02 min

Lab File: BE098562.D

Acq: 26 Dec 2018 11:58

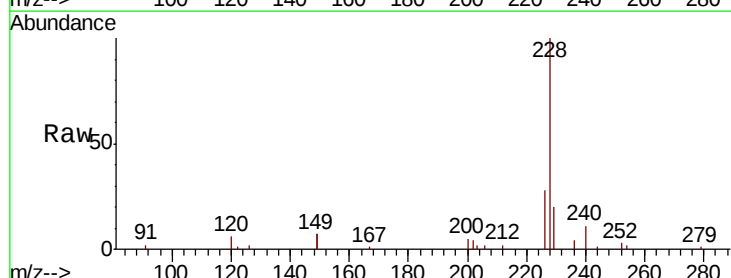
Tgt Ion:228 Resp: 7717

Ion Ratio Lower Upper

228 100

226 28.3 21.8 32.8

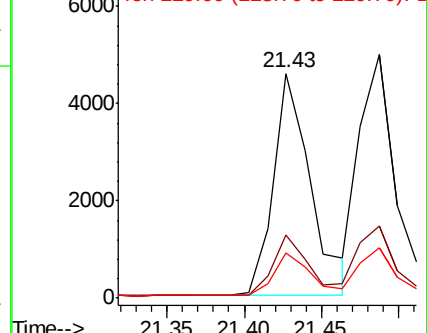
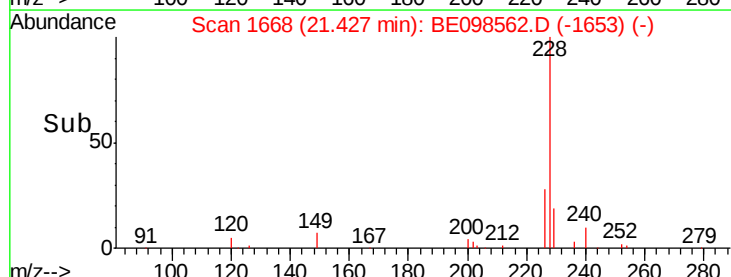
229 20.0 16.3 24.5



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: 0.356 ng

RT: 21.49 min Scan# 1673

Delta R.T. -0.01 min

Lab File: BE098562.D

Acq: 26 Dec 2018 11:58

Instrument :

BNA_E

ClientSampleId :

PB115910BSD

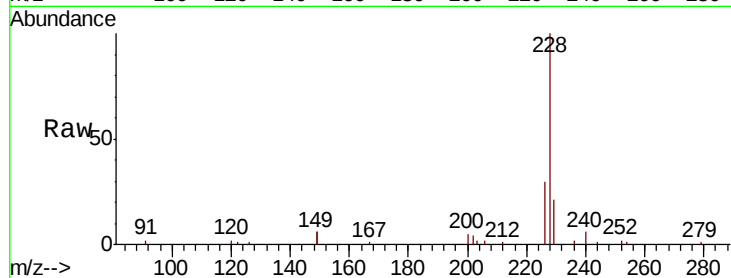
Tot Ion:228 Resp: 8036

Ion Ratio Lower Upper

228 100

226 29.6 23.4 35.0

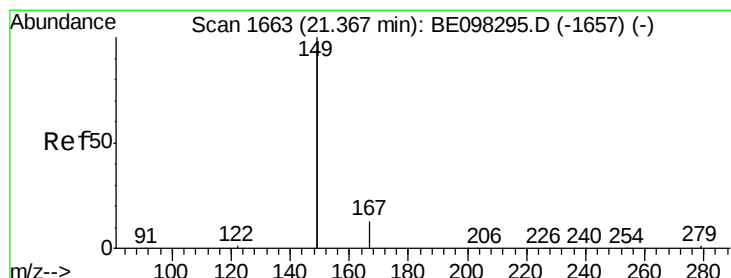
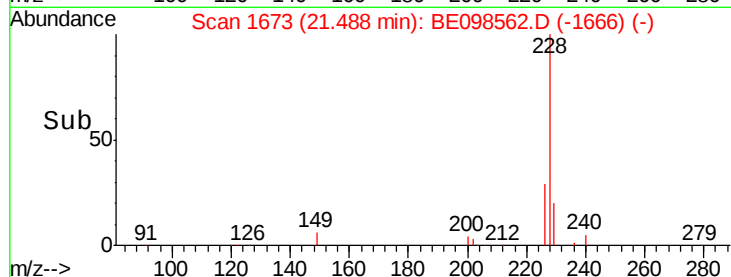
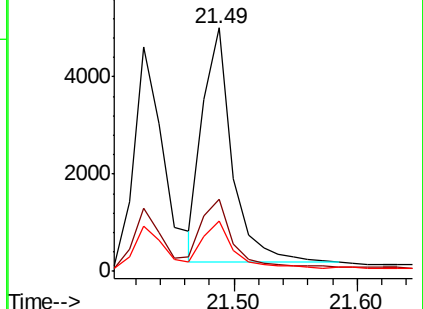
229 20.8 16.2 24.4



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: 0.262 ng

RT: 21.34 min Scan# 1661

Delta R.T. -0.02 min

Lab File: BE098562.D

Acq: 26 Dec 2018 11:58

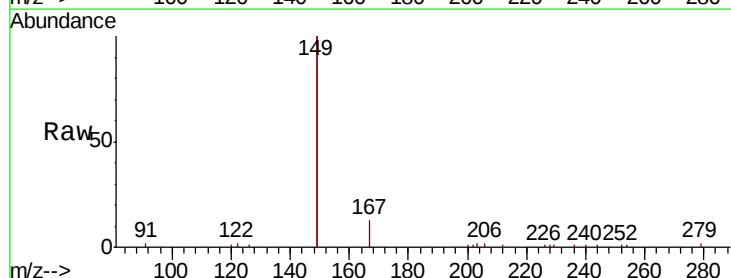
Tgt Ion:149 Resp: 11453

Ion Ratio Lower Upper

149 100

167 7.0 5.7 8.5

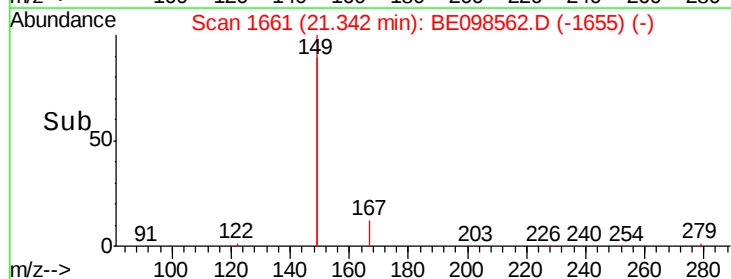
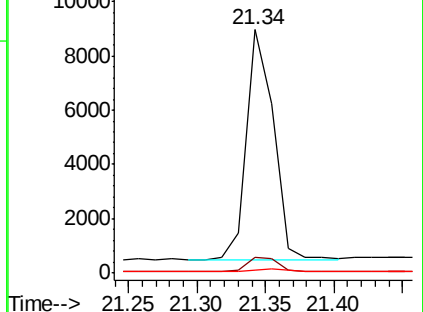
279 1.3 1.0 1.4



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

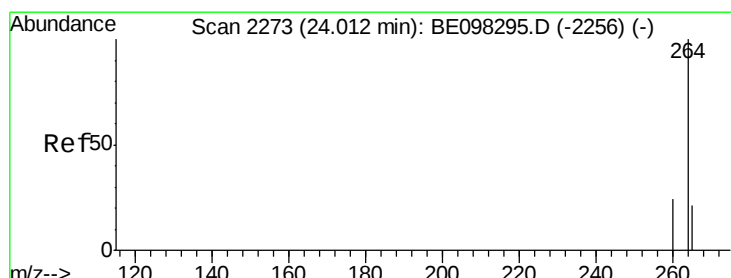
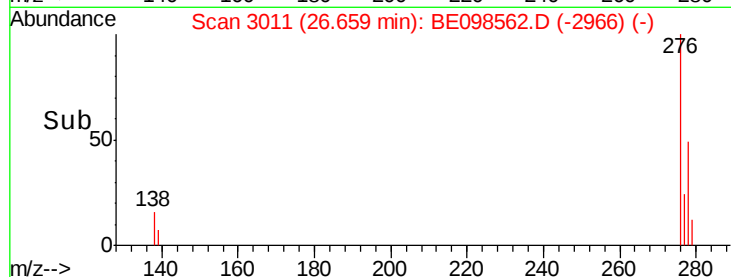
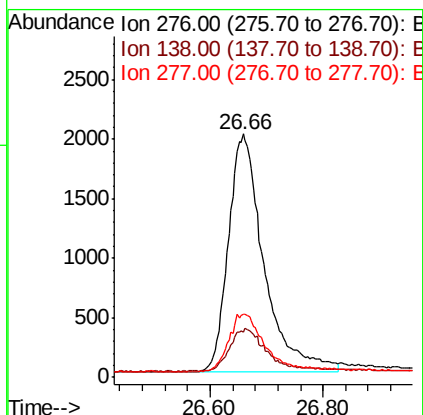
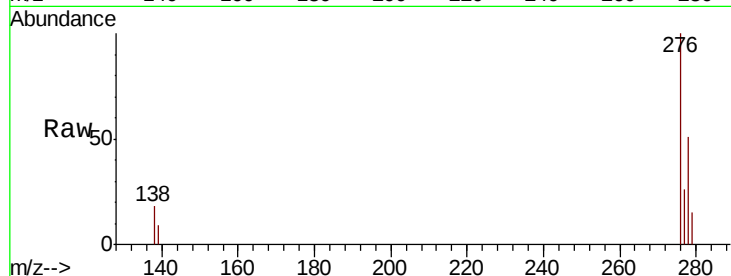




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.387 ng
RT: 26.66 min Scan# 3011
Delta R.T. -0.04 min
Lab File: BE098562.D
Acq: 26 Dec 2018 11:58

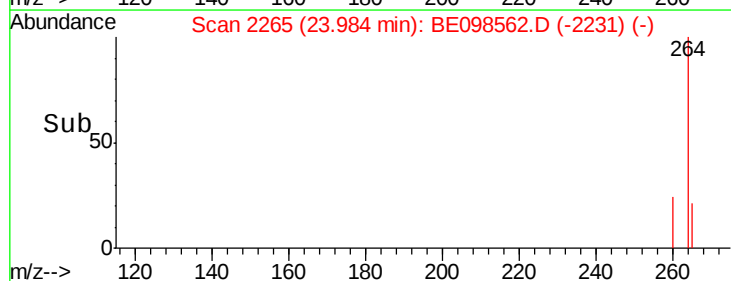
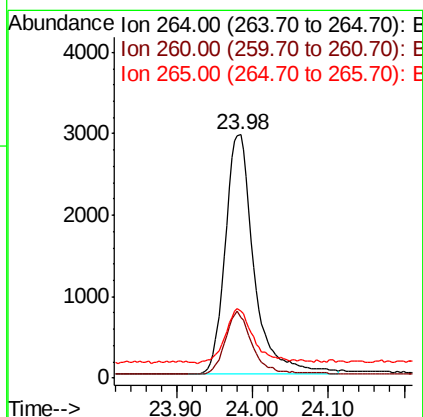
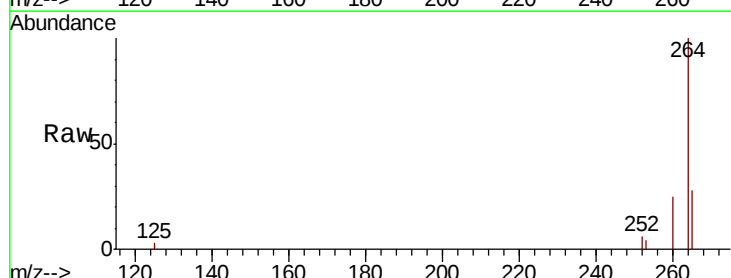
Instrument :
BNA_E
ClientSampleId :
PB115910BSD

Tot Ion:276 Resp: 8697
Ion Ratio Lower Upper
276 100
138 17.9 16.3 24.5
277 24.0 20.2 30.4



#34
Perylene-d12
Concen: 0.400 ng
RT: 23.98 min Scan# 2265
Delta R.T. -0.03 min
Lab File: BE098562.D
Acq: 26 Dec 2018 11:58

Tgt Ion:264 Resp: 7753
Ion Ratio Lower Upper
264 100
260 25.1 20.2 30.2
265 27.6 25.2 37.8

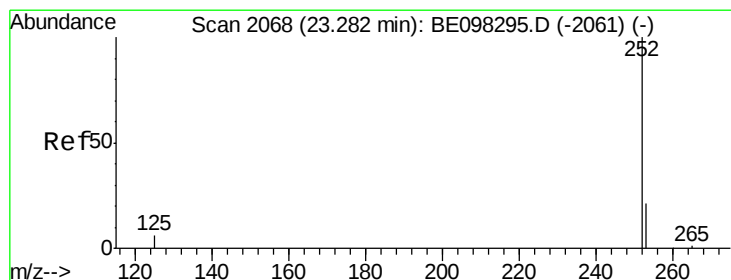
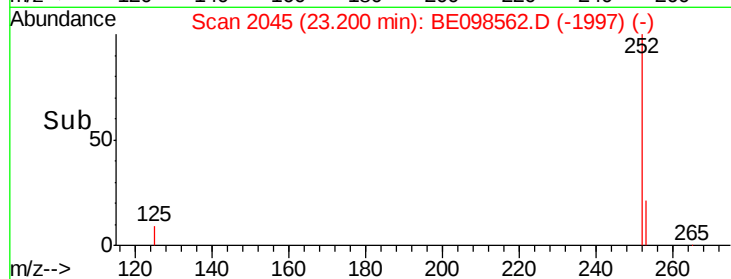
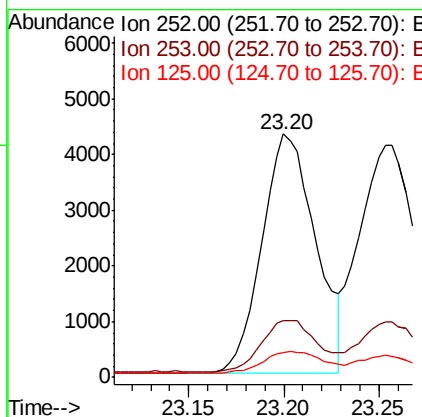
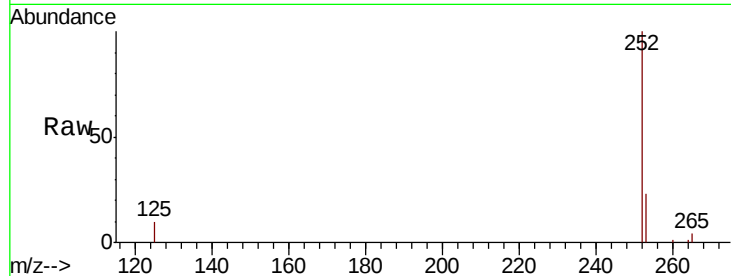




#35
Benzo(b)fluoranthene
Concen: 0.398 ng
RT: 23.20 min Scan# 2045
Delta R.T. -0.03 min
Lab File: BE098562.D
Acq: 26 Dec 2018 11:58

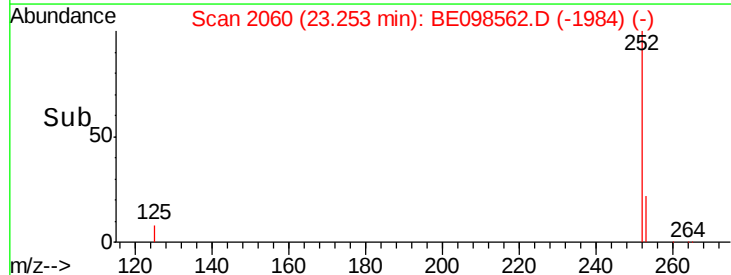
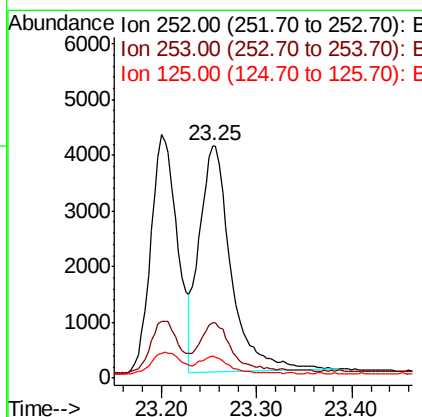
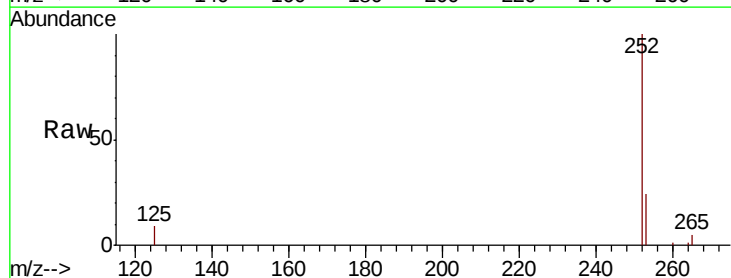
Instrument :
BNA_E
ClientSampleId :
PB115910BSD

Tot Ion:252 Resp: 8446
Ion Ratio Lower Upper
252 100
253 23.1 20.0 30.0
125 10.2 9.6 14.4



#36
Benzo(k)fluoranthene
Concen: 0.383 ng
RT: 23.25 min Scan# 2060
Delta R.T. -0.03 min
Lab File: BE098562.D
Acq: 26 Dec 2018 11:58

Tgt Ion:252 Resp: 9462
Ion Ratio Lower Upper
252 100
253 23.6 19.0 28.6
125 9.4 9.1 13.7





#37

Benzo(a)pyrene

Concen: 0.374 ng

RT: 23.87 min Scan# 2232

Delta R.T. -0.03 min

Lab File: BE098562.D

Acq: 26 Dec 2018 11:58

Instrument :

BNA_E

ClientSampleId :

PB115910BSD

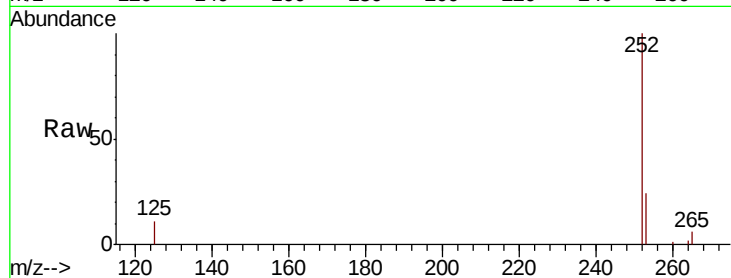
Tot Ion:252 Resp: 8178

Ion Ratio Lower Upper

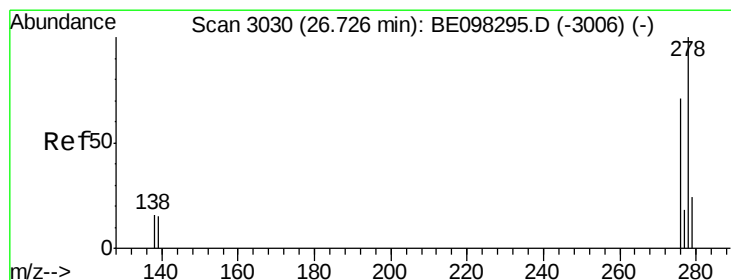
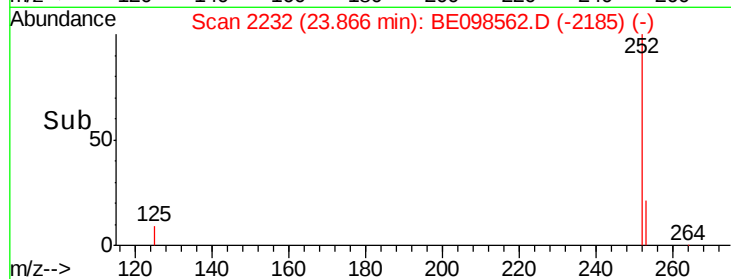
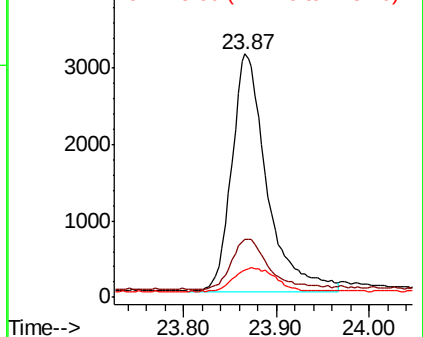
252 100

253 23.9 20.6 30.8

125 11.4 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: 0.345 ng

RT: 26.68 min Scan# 3018

Delta R.T. -0.04 min

Lab File: BE098562.D

Acq: 26 Dec 2018 11:58

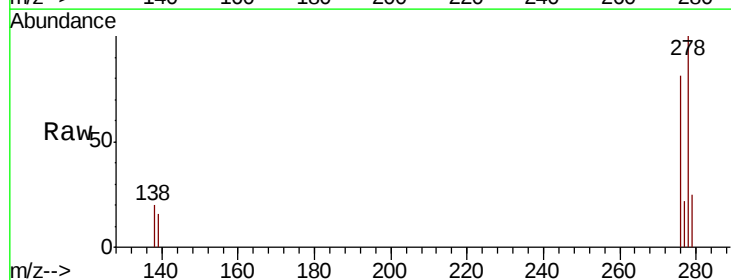
Tgt Ion:278 Resp: 7108

Ion Ratio Lower Upper

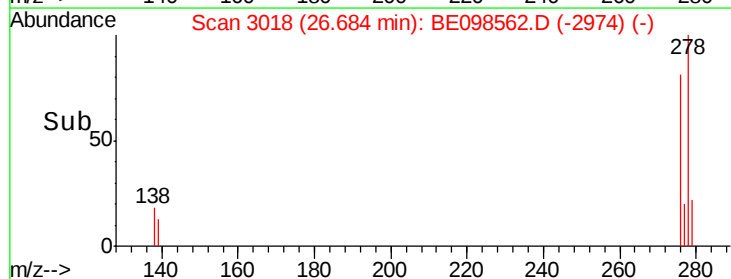
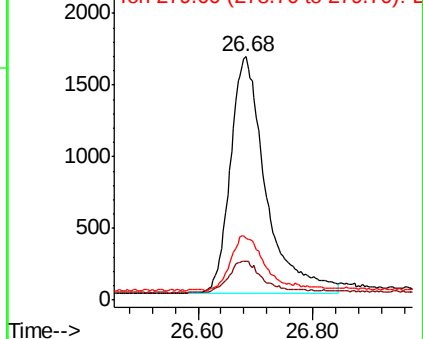
278 100

139 16.0 14.5 21.7

279 25.4 21.8 32.8



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.363 ng

RT: 27.48 min Scan# 3240

Delta R.T. -0.05 min

Lab File: BE098562.D

Acq: 26 Dec 2018 11:58

Instrument :

BNA_E

ClientSampleId :

PB115910BSD

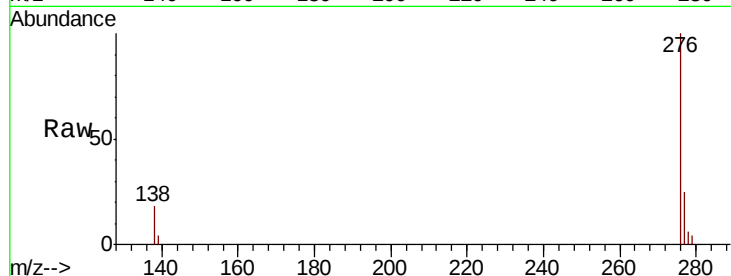
Tot Ion: 276 Resp: 7536

Ion Ratio Lower Upper

276 100

277 25.1 20.8 31.2

138 18.4 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

