

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE110118\
 Data File : BE098150.D
 Acq On : 1 Nov 2018 17:26
 Operator : SJ/JU
 Sample : J5690-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 50

Instrument :
 BNA_E
 ClientSampleId :
 MW-15

Quant Time: Nov 02 13:19:39 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE110118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 01 13:00:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	49635	20.00	ng	-0.01
7) Naphthalene-d8	10.67	136	231315	20.00	ng	0.00
13) Acenaphthene-d10	14.54	164	159888	20.00	ng	0.00
19) Phenanthrene-d10	17.28	188	378783	20.00	ng	0.00
27) Chrysene-d12	21.46	240	428842	20.00	ng	0.00
34) Perylene-d12	24.02	264	432279	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.46	112	164808	55.93	ng	0.00
5) Phenol-d6	7.04	99	165761	34.16	ng	-0.01
8) Nitrobenzene-d5	9.03	82	435326	87.74	ng	0.00
11) 2-Methylnaphthalene-d10	12.24	152	54	0.01	ng	-0.03
14) 2,4,6-Tribromophenol	16.03	330	214633	141.75	ng	0.00
15) 2-Fluorobiphenyl	13.16	172	934736	71.10	ng	0.00
25) Fluoranthene-d10	19.30	212	48	0.00	ng	-0.01
29) Terphenyl-d14	19.92	244	1502587	75.33	ng	0.00

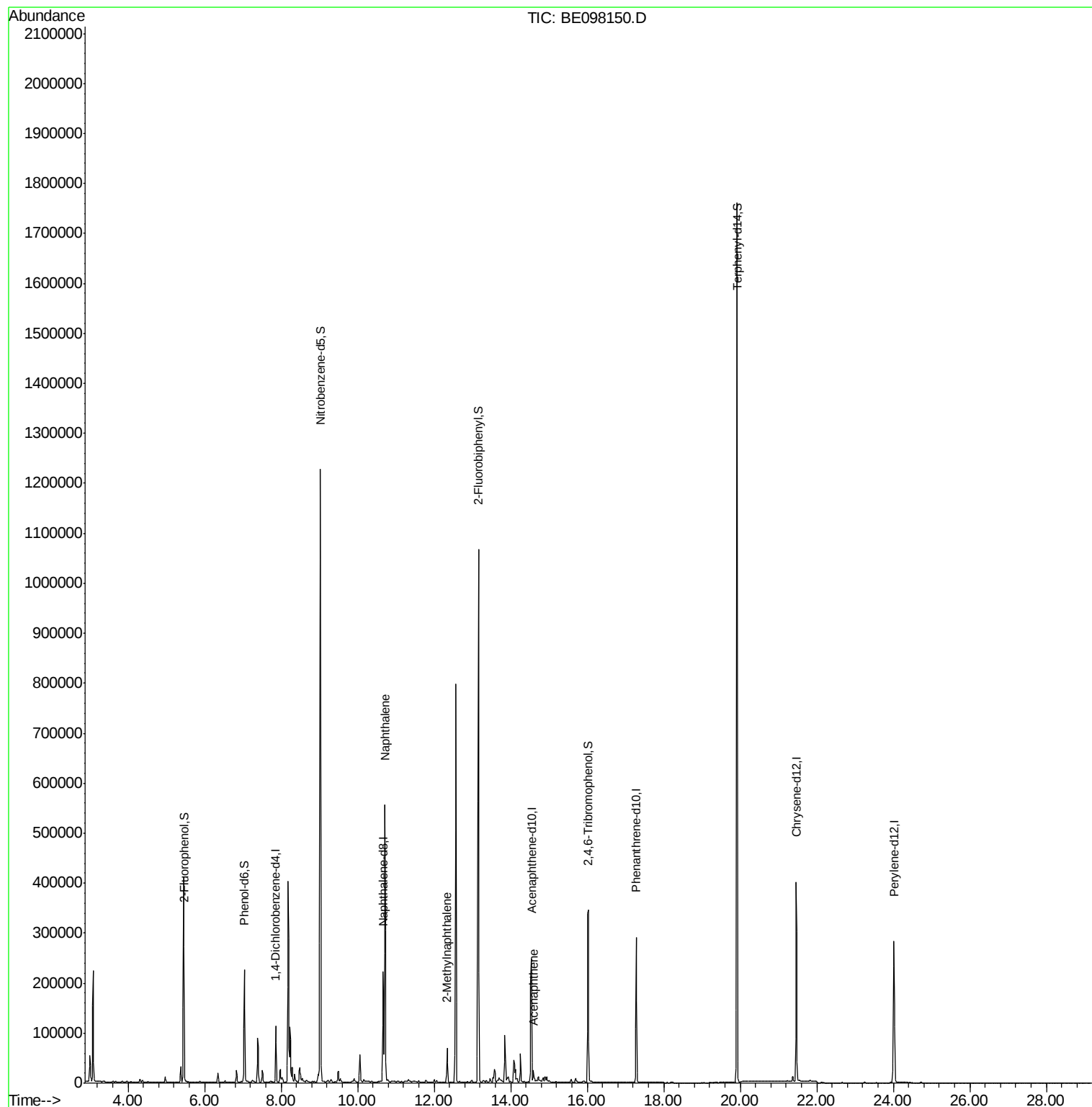
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Naphthalene	10.72	128	847586	18.328	ng	100
12) 2-Methylnaphthalene	12.34	142	43682	5.293	ng	# 92
16) Acenaphthylene	14.25	152	5143	0.353	ng	# 1
17) Acenaphthene	14.60	154	11730	1.339	ng	97
18) Fluorene	15.58	166	5052	0.435	ng	# 94
24) Anthracene	17.42	178	903	0.051	ng	96
30) Benzo(a)anthracene	21.46	228	1464	0.058	ng	# 71

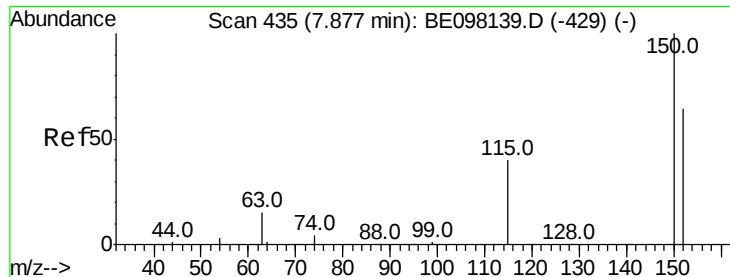
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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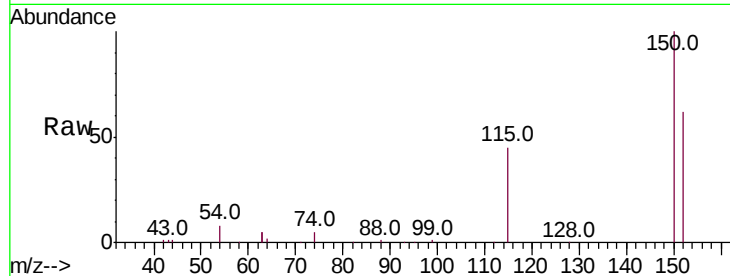


#1

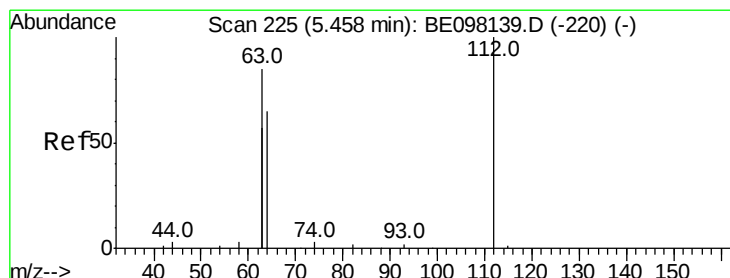
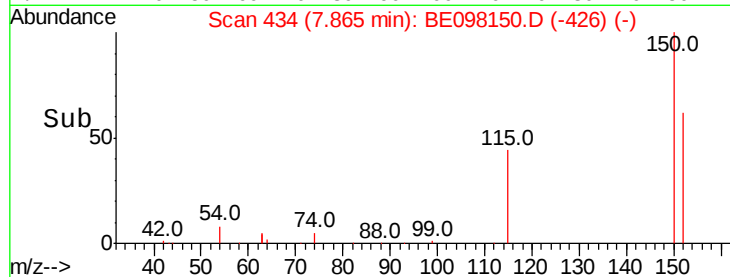
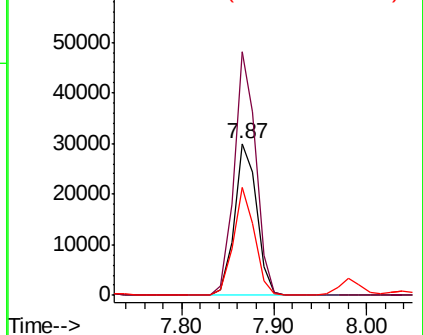
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.87 min Scan# 434
Delta R.T. -0.01 min
Lab File: BE098150.D
Acq: 1 Nov 2018 17:26

Instrument :
BNA_E
ClientSampleId :
MW-15

Tot Ion:152 Resp: 49635
Ion Ratio Lower Upper
152 100
150 160.7 118.2 177.4
115 71.6 50.9 76.3



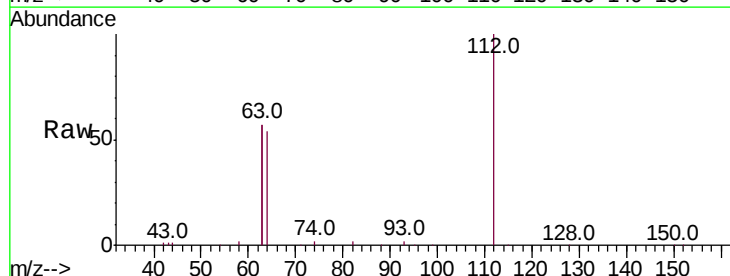
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



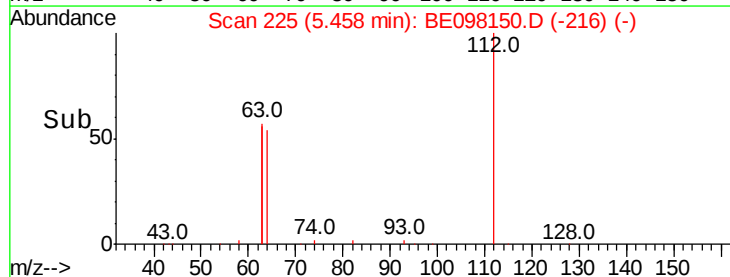
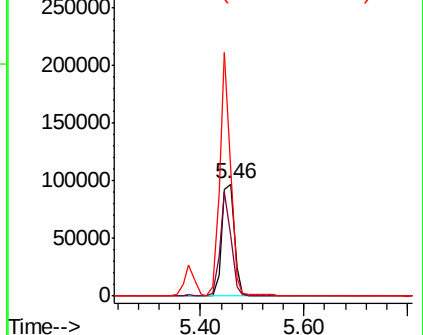
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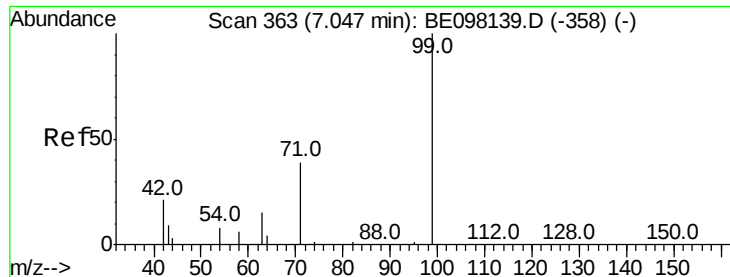
2-Fluorophenol
Concen: 55.932 ng
RT: 5.46 min Scan# 225
Delta R.T. 0.00 min
Lab File: BE098150.D
Acq: 1 Nov 2018 17:26

Tgt Ion:112 Resp: 164808
Ion Ratio Lower Upper
112 100
64 79.7 58.9 88.3
63 183.5 120.3 180.5#



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: 34.158 ng

RT: 7.04 min Scan# 362

Delta R.T. -0.01 min

Lab File: BE098150.D

Acq: 1 Nov 2018 17:26

Instrument :

BNA_E

ClientSampled :

MW-15

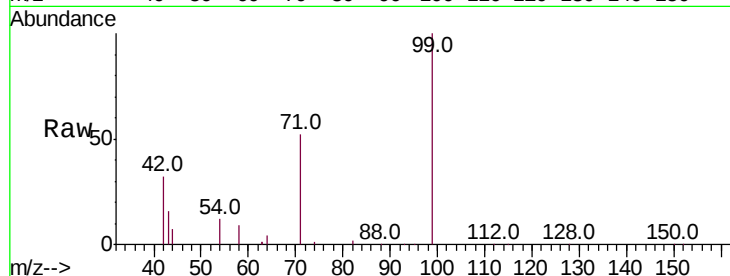
Tot Ion: 99 Resp: 165761

Ion Ratio Lower Upper

99 100

42 30.9 19.9 29.9#

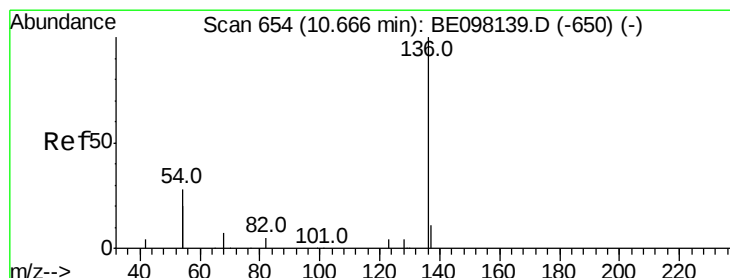
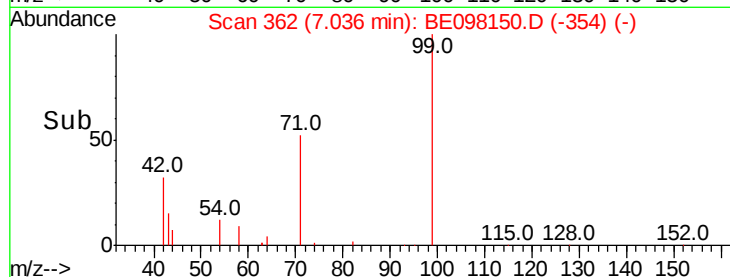
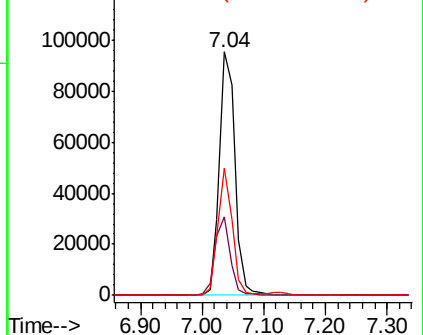
71 47.4 27.8 41.8#



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

Naphthalene-d8

Concen: 20.000 ng

RT: 10.67 min Scan# 654

Delta R.T. 0.00 min

Lab File: BE098150.D

Acq: 1 Nov 2018 17:26

Tgt Ion:136 Resp: 231315

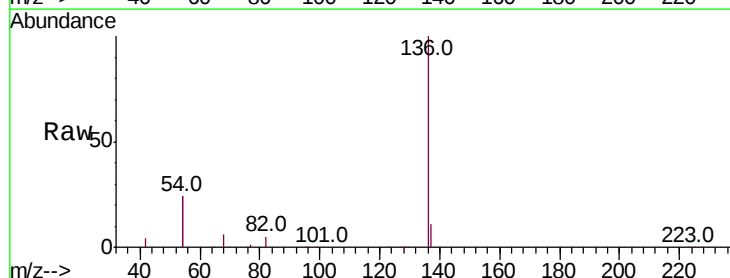
Ion Ratio Lower Upper

136 100

137 11.0 9.6 14.4

54 47.5 27.7 41.5#

68 6.1 5.3 7.9

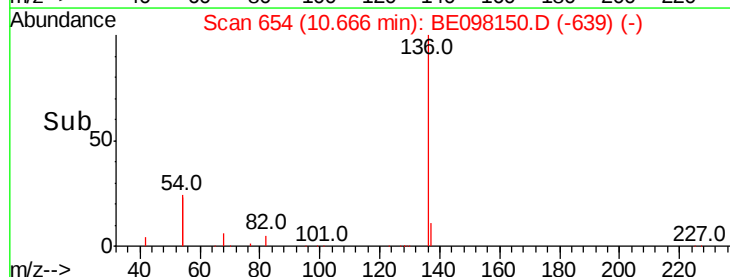
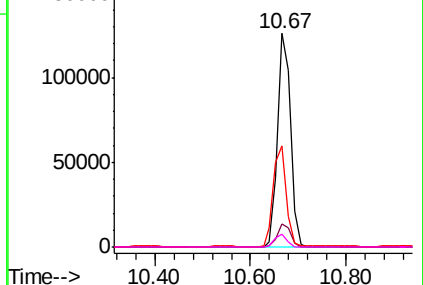


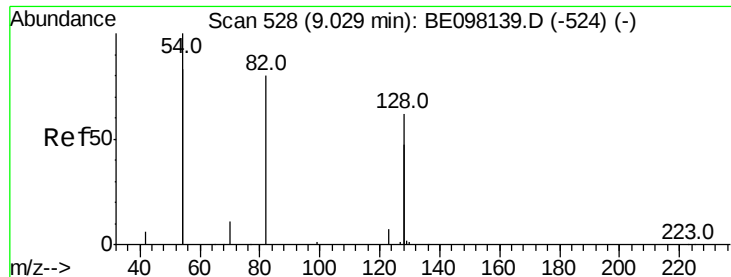
Abundance Ion 136.00 (135.70 to 136.70): E

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

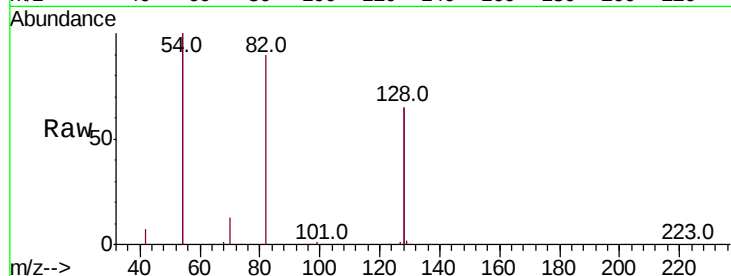




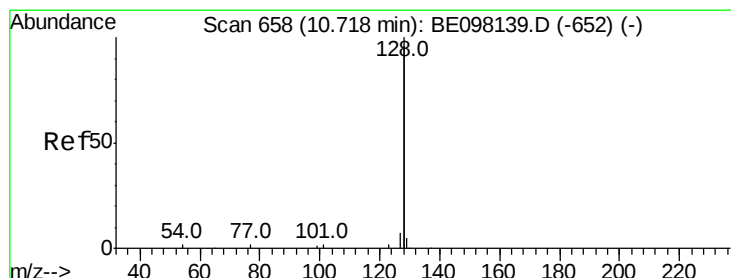
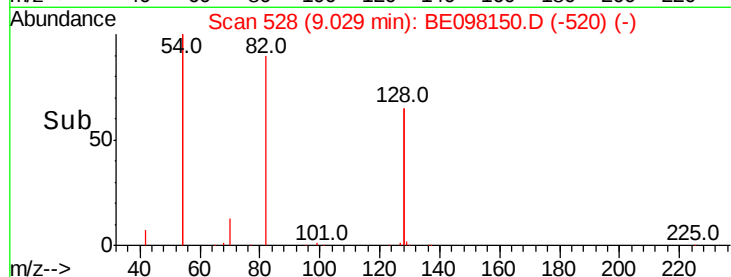
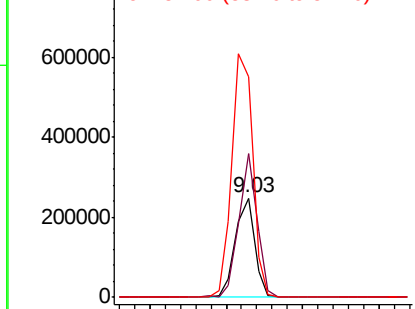
#8
 Nitrobenzene-d5
 Concen: 87.744 ng
 RT: 9.03 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: BE098150.D
 Acq: 1 Nov 2018 17:26

Instrument :
 BNA_E
 ClientSampleId :
 MW-15

Tot Ion: 82 Resp: 435326
 Ion Ratio Lower Upper
 82 100
 128 144.7 129.9 194.9
 54 222.2 174.0 261.0

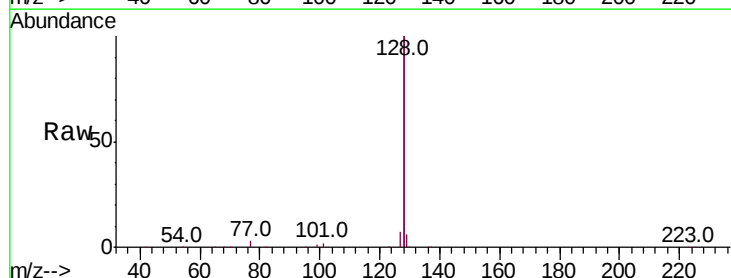


Abundance Ion 82.00 (81.70 to 82.70): BE0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BE0

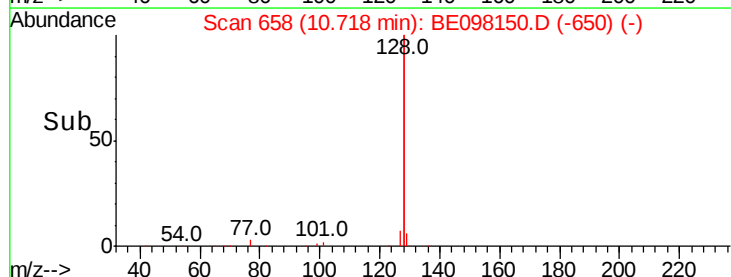
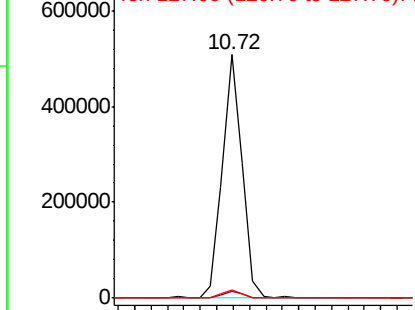


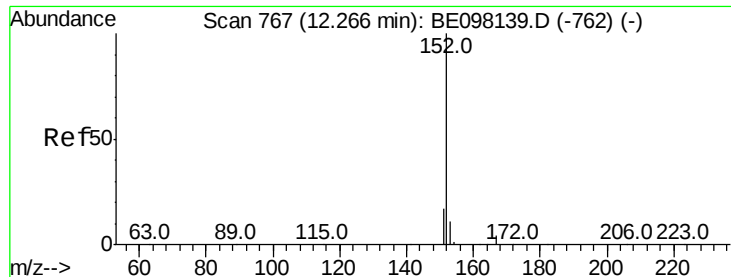
#9
 Naphthalene
 Concen: 18.328 ng
 RT: 10.72 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: BE098150.D
 Acq: 1 Nov 2018 17:26

Tgt Ion: 128 Resp: 847586
 Ion Ratio Lower Upper
 128 100
 129 2.8 2.5 3.7
 127 3.5 2.8 4.2



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

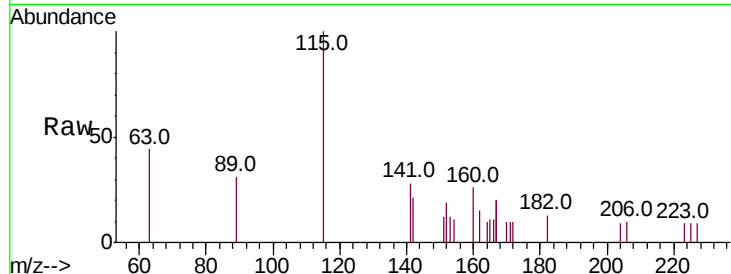




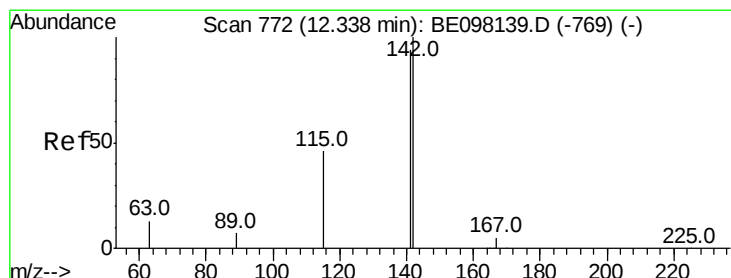
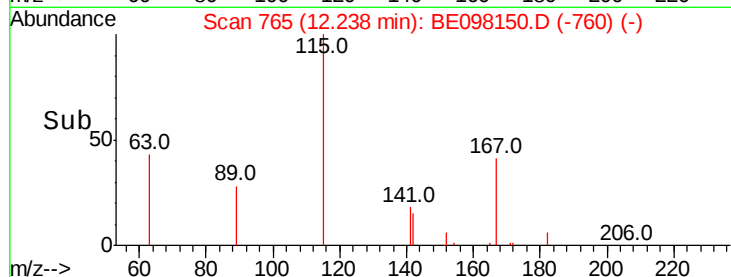
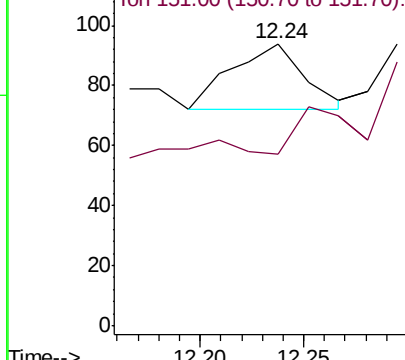
#11
2-Methylnaphthalene-d10
Concen: 0.007 ng
RT: 12.24 min Scan# 765
Delta R.T. -0.03 min
Lab File: BE098150.D
Acq: 1 Nov 2018 17:26

Instrument :
BNA_E
ClientSampleId :
MW-15

Tot Ion:152 Resp: 54
Ion Ratio Lower Upper
152 100
151 0.0 16.2 24.4#

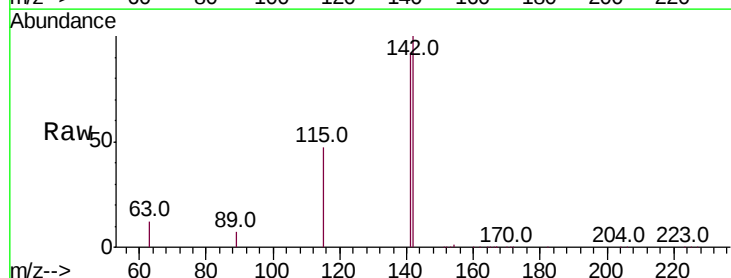


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E

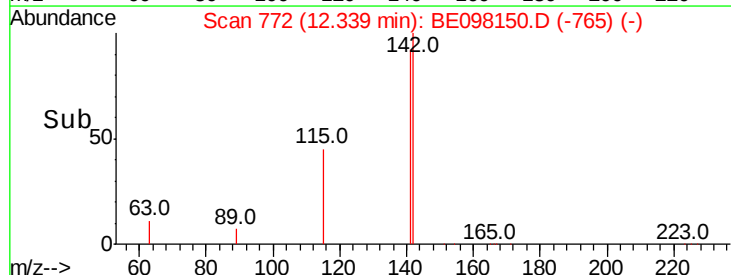
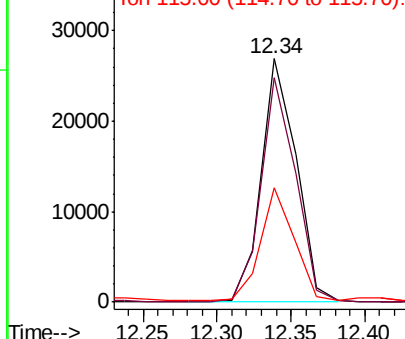


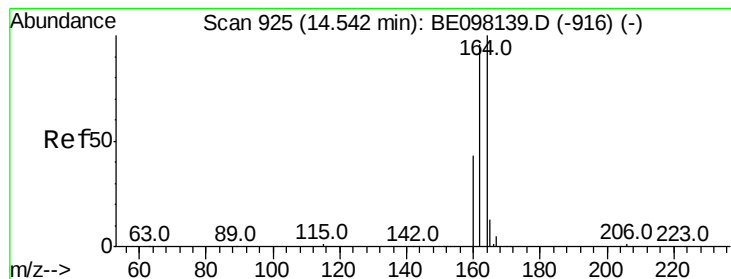
#12
2-Methylnaphthalene
Concen: 5.293 ng
RT: 12.34 min Scan# 772
Delta R.T. 0.00 min
Lab File: BE098150.D
Acq: 1 Nov 2018 17:26

Tgt Ion:142 Resp: 43682
Ion Ratio Lower Upper
142 100
141 92.4 69.8 104.6
115 47.0 30.5 45.7#



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





#13

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.54 min Scan# 925

Delta R.T. 0.00 min

Lab File: BE098150.D

Acq: 1 Nov 2018 17:26

Instrument :

BNA_E

ClientSampleId :

MW-15

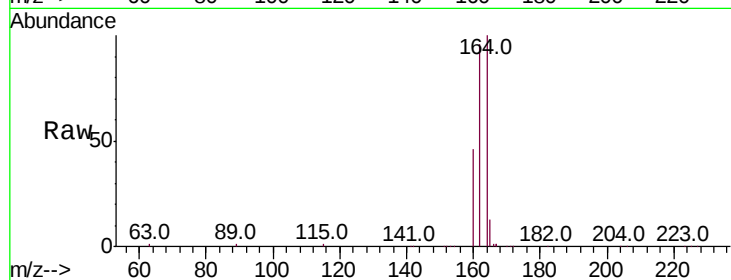
Tot Ion:164 Resp: 159888

Ion Ratio Lower Upper

164 100

162 96.5 77.4 116.2

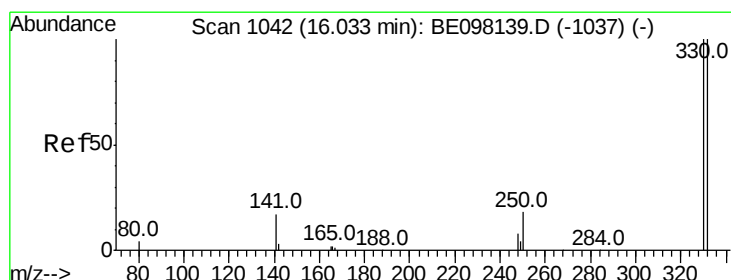
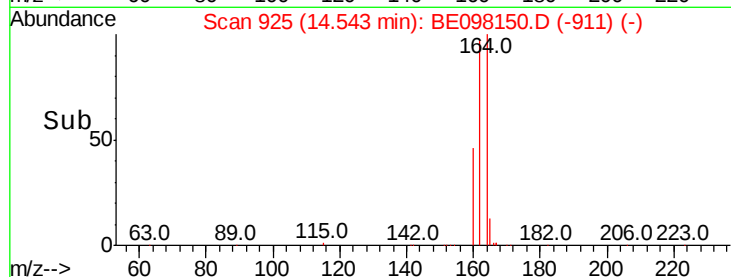
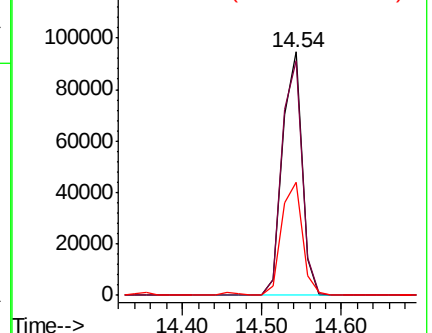
160 46.3 36.5 54.7



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: 141.745 ng

RT: 16.03 min Scan# 1042

Delta R.T. 0.00 min

Lab File: BE098150.D

Acq: 1 Nov 2018 17:26

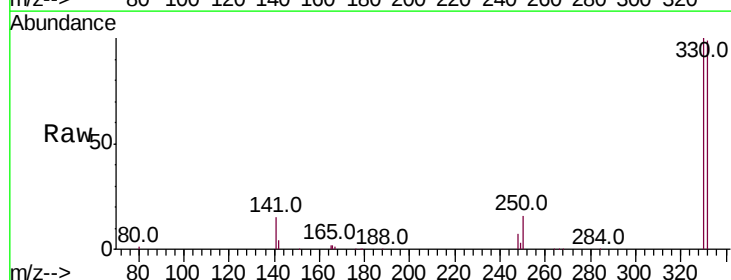
Tgt Ion:330 Resp: 214633

Ion Ratio Lower Upper

330 100

332 96.2 76.5 114.7

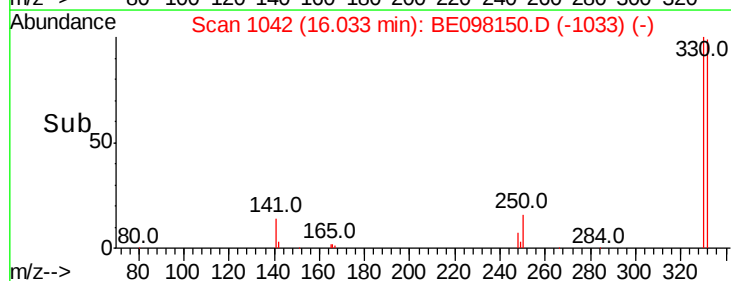
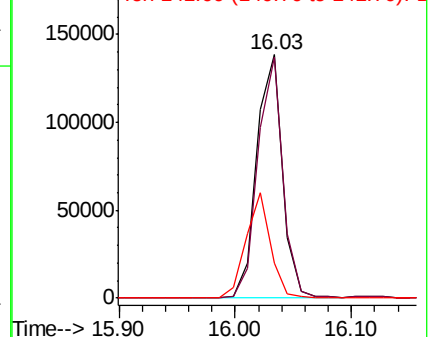
141 41.1 31.8 47.6

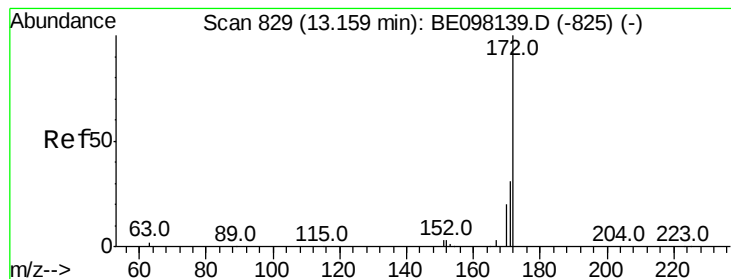


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 71.098 ng

RT: 13.16 min Scan# 829

Delta R.T. 0.00 min

Lab File: BE098150.D

Acq: 1 Nov 2018 17:26

Instrument :

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ClientSampleId :

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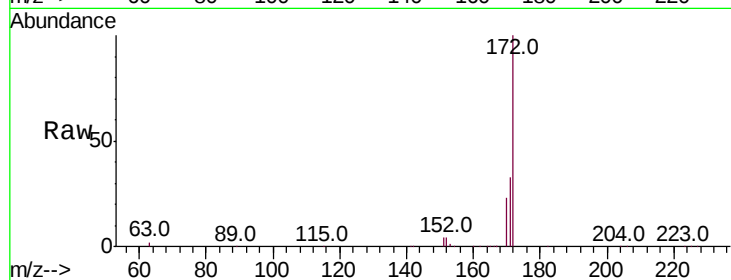
Tot Ion:172 Resp: 934736

Ion Ratio Lower Upper

172 100

171 33.5 26.0 39.0

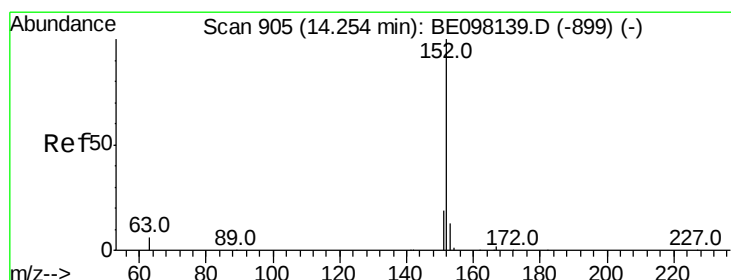
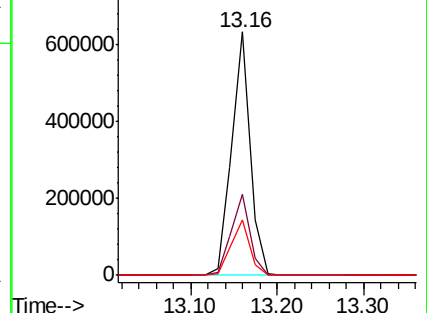
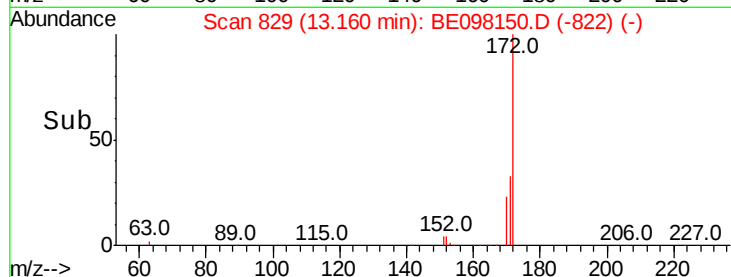
170 22.5 18.0 27.0



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: 0.353 ng

RT: 14.25 min Scan# 905

Delta R.T. 0.00 min

Lab File: BE098150.D

Acq: 1 Nov 2018 17:26

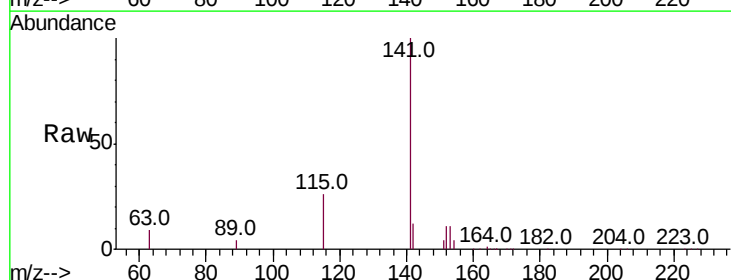
Tgt Ion:152 Resp: 5143

Ion Ratio Lower Upper

152 100

151 33.1 16.1 24.1#

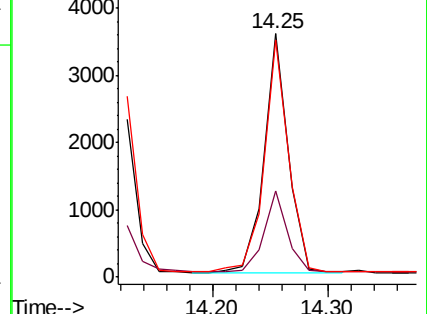
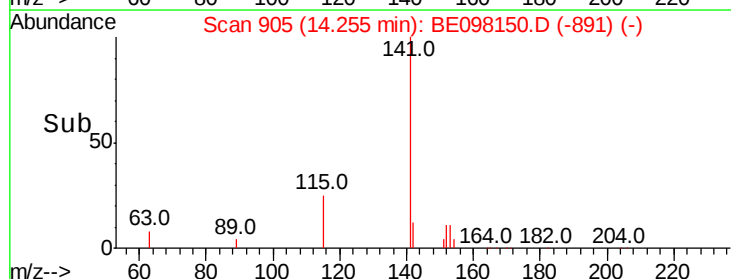
153 97.5 10.9 16.3#

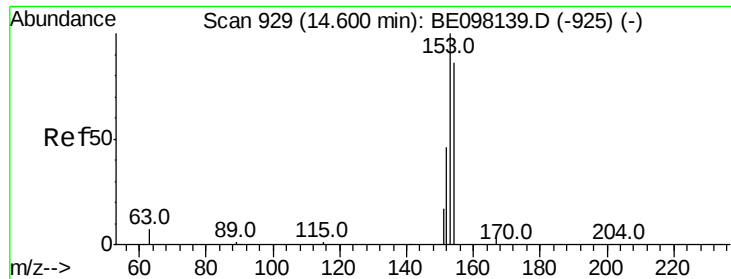


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 1.339 ng

RT: 14.60 min Scan# 929

Delta R.T. 0.00 min

Lab File: BE098150.D

Acq: 1 Nov 2018 17:26

Instrument :

BNA_E

ClientSampleId :

MW-15

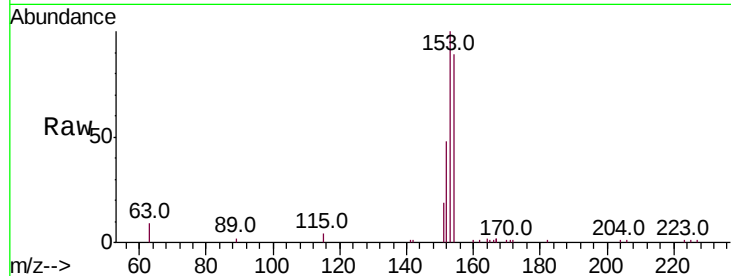
Tot Ion:154 Resp: 11730

Ion Ratio Lower Upper

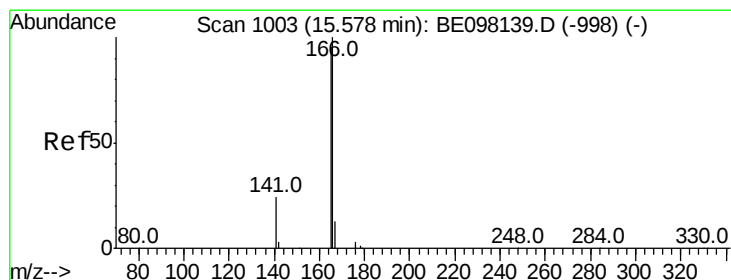
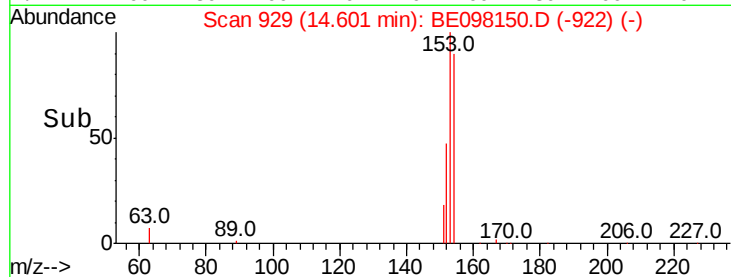
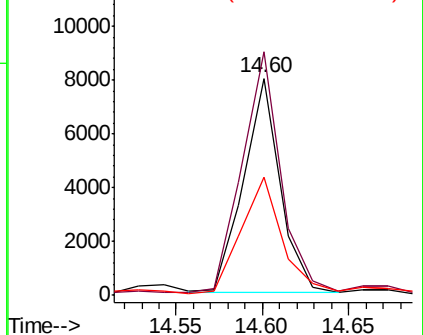
154 100

153 117.3 92.6 139.0

152 60.4 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: 0.435 ng

RT: 15.58 min Scan# 1003

Delta R.T. 0.00 min

Lab File: BE098150.D

Acq: 1 Nov 2018 17:26

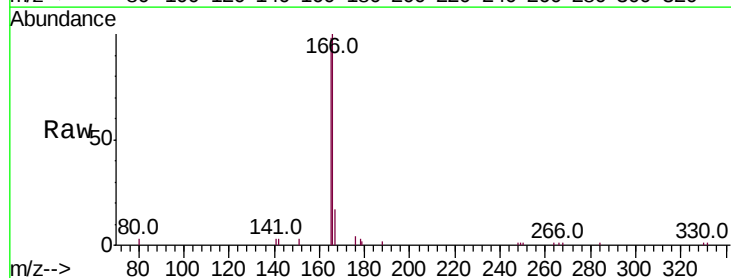
Tgt Ion:166 Resp: 5052

Ion Ratio Lower Upper

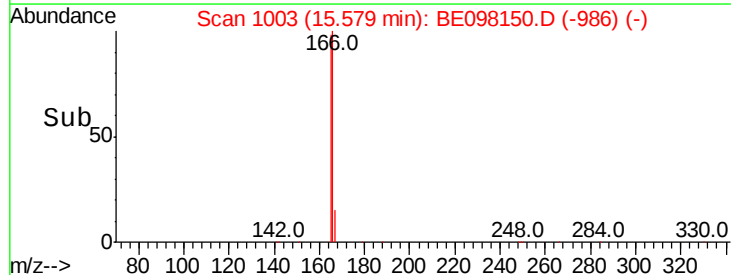
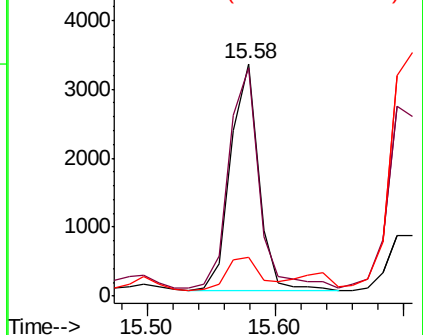
166 100

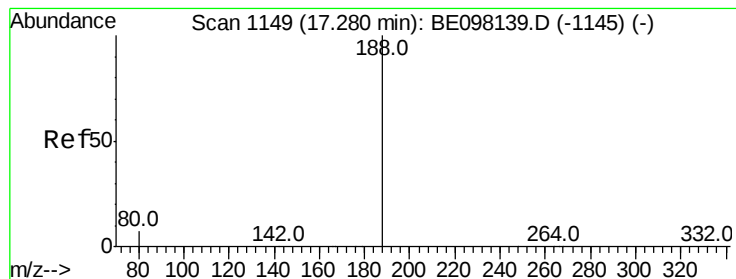
165 103.3 78.2 117.4

167 18.3 11.0 16.6#



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: 20.000 ng

RT: 17.28 min Scan# 1149

Delta R.T. 0.00 min

Lab File: BE098150.D

Acq: 1 Nov 2018 17:26

Instrument :

BNA_E

ClientSampleId :

MW-15

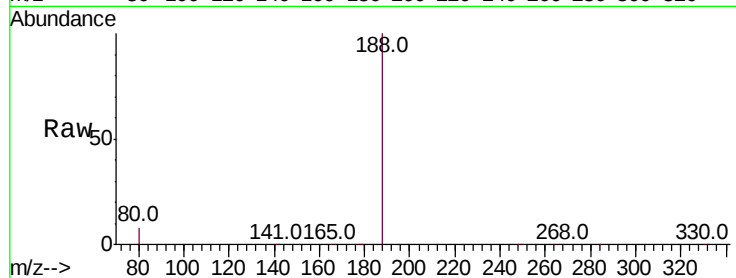
Tot Ion:188 Resp: 378783

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

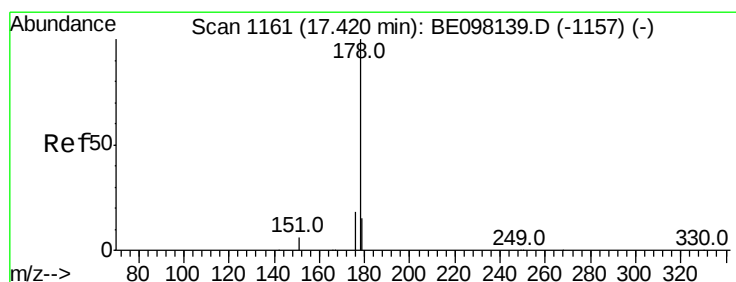
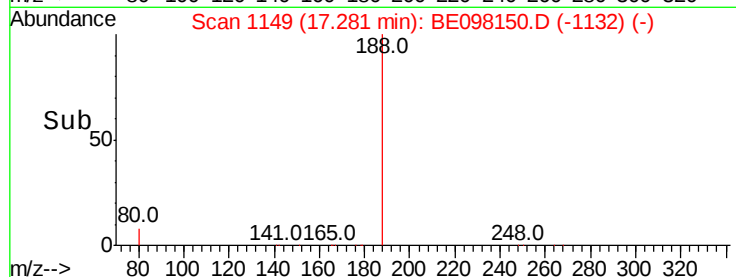
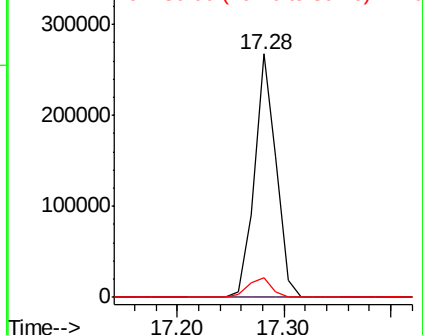
80 8.2 6.3 9.5



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



#24

Anthracene

Concen: 0.051 ng

RT: 17.42 min Scan# 1161

Delta R.T. 0.00 min

Lab File: BE098150.D

Acq: 1 Nov 2018 17:26

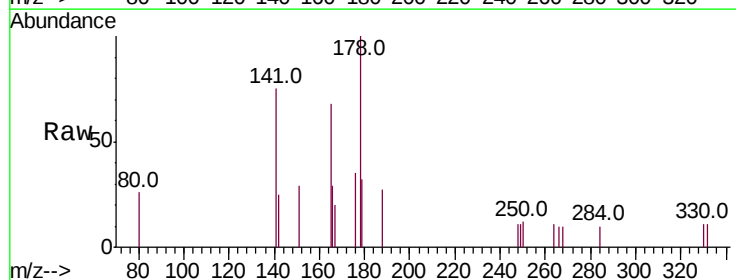
Tgt Ion:178 Resp: 903

Ion Ratio Lower Upper

178 100

176 19.4 14.9 22.3

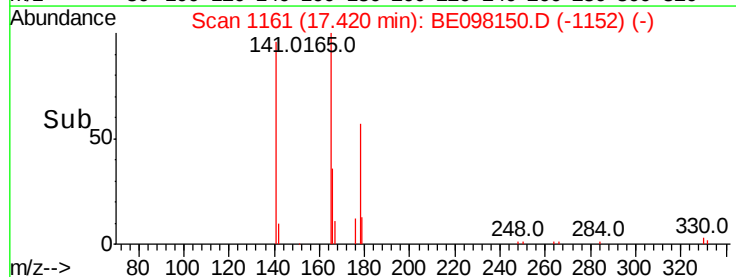
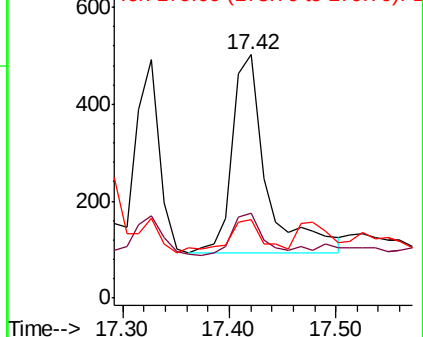
179 17.6 11.9 17.9

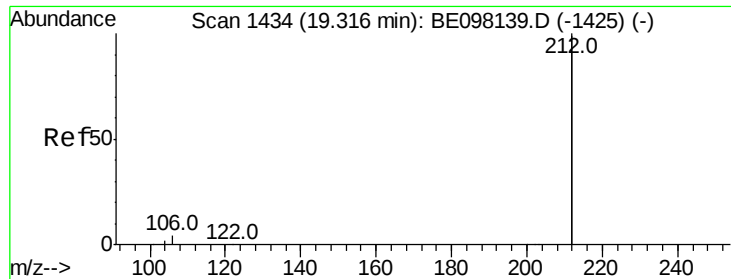


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.000 ng

RT: 19.30 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BE098150.D

Acq: 1 Nov 2018 17:26

Instrument :

BNA_E

ClientSampleId :

MW-15

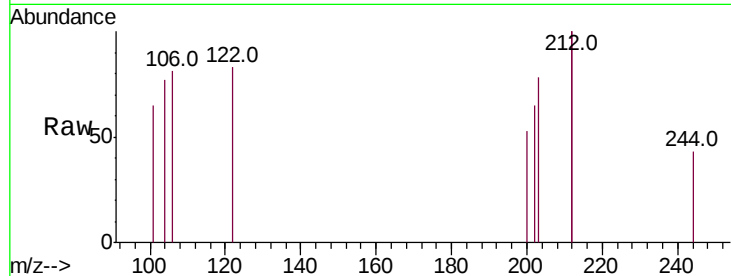
Tot Ion:212 Resp: 48

Ion Ratio Lower Upper

212 100

106 29.2 2.3 3.5#

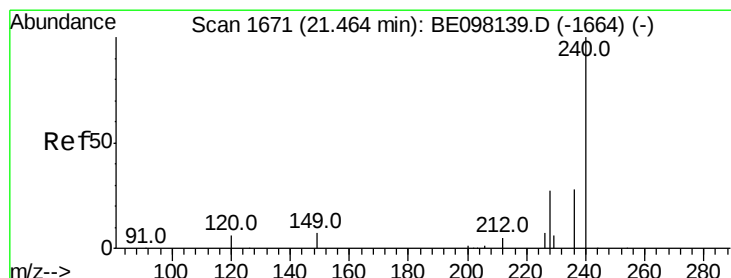
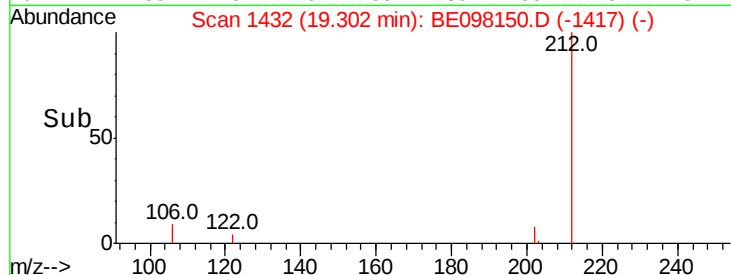
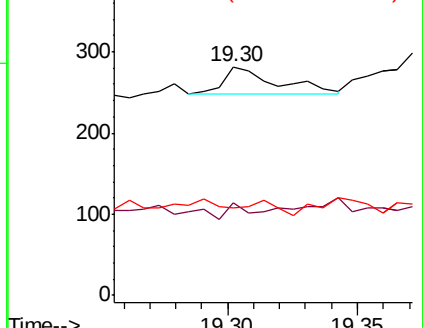
104 27.1 1.3 1.9#



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#27

Chrysene-d12

Concen: 20.000 ng

RT: 21.46 min Scan# 1671

Delta R.T. -0.00 min

Lab File: BE098150.D

Acq: 1 Nov 2018 17:26

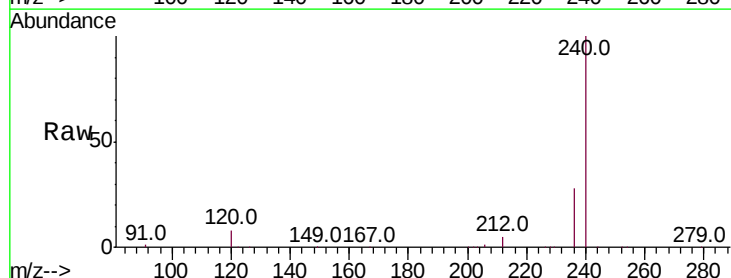
Tgt Ion:240 Resp: 428842

Ion Ratio Lower Upper

240 100

120 7.6 7.1 10.7

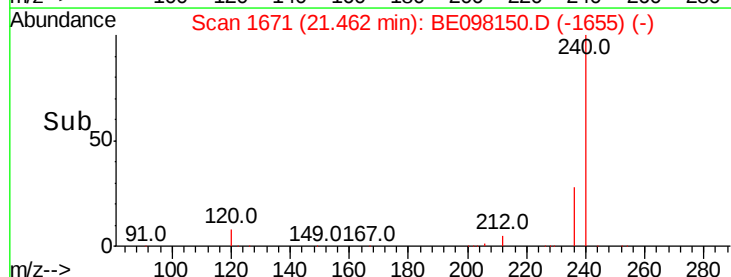
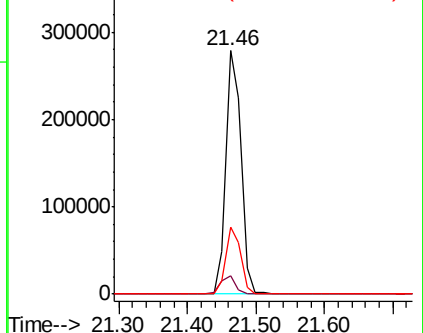
236 27.7 21.3 31.9

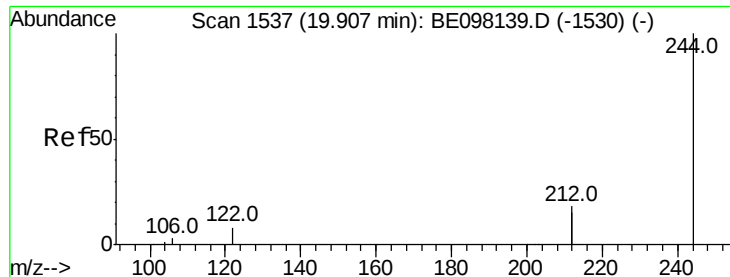


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 75.334 ng

RT: 19.92 min Scan# 1539

Delta R.T. 0.01 min

Lab File: BE098150.D

Acq: 1 Nov 2018 17:26

Instrument :

BNA_E

ClientSampleId :

MW-15

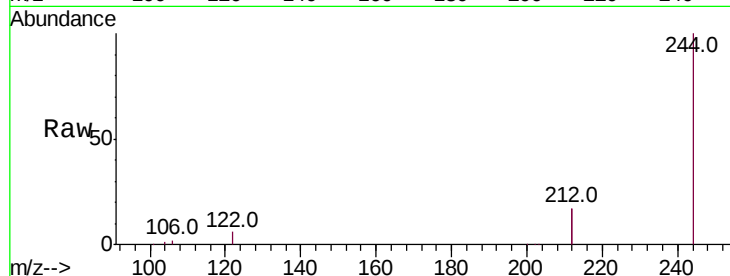
Tot Ion:244 Resp: 1502587

Ion Ratio Lower Upper

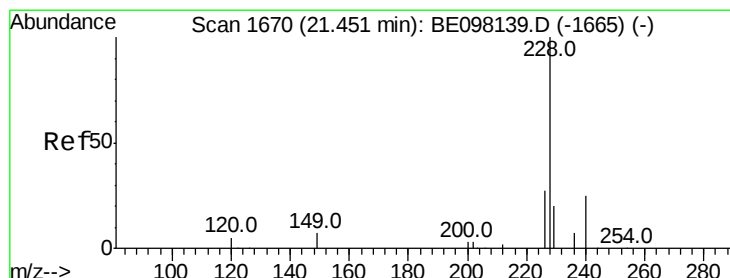
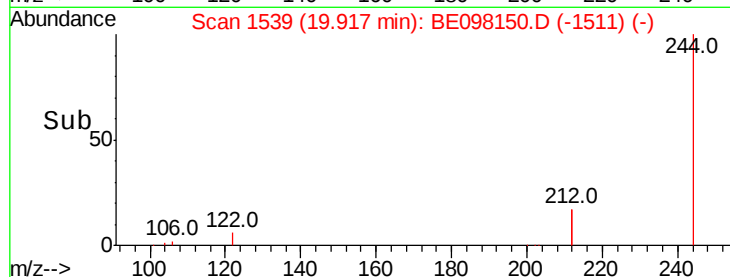
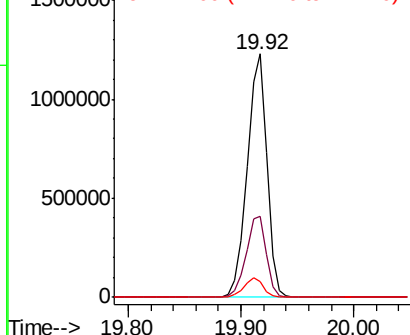
244 100

212 33.3 26.2 39.2

122 6.4 7.7 11.5#



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: 0.058 ng

RT: 21.46 min Scan# 1671

Delta R.T. 0.01 min

Lab File: BE098150.D

Acq: 1 Nov 2018 17:26

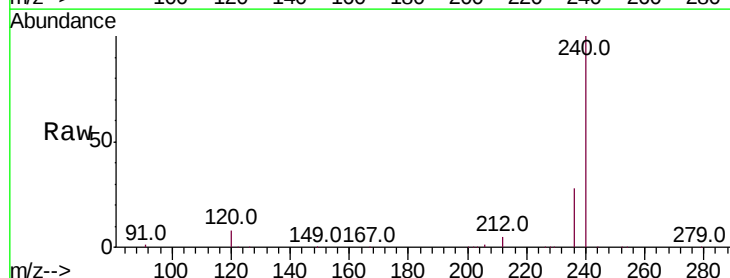
Tgt Ion:228 Resp: 1464

Ion Ratio Lower Upper

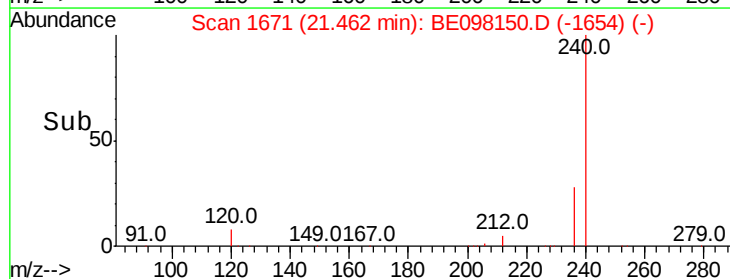
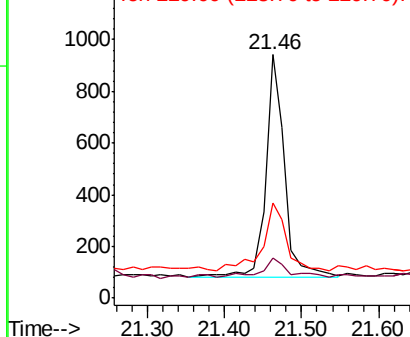
228 100

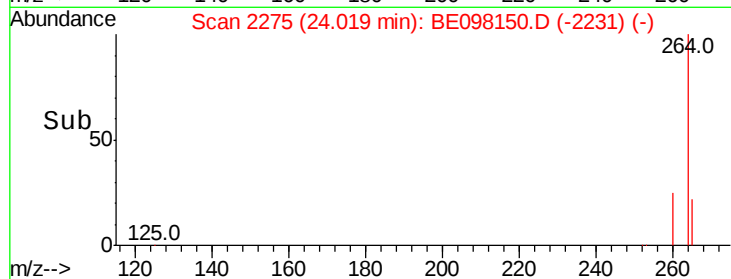
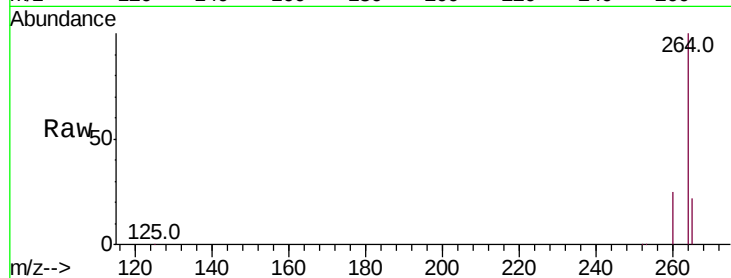
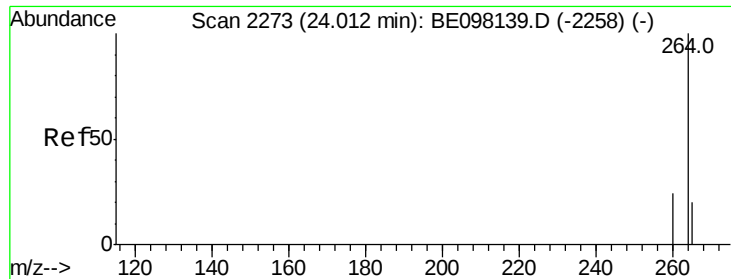
226 16.3 22.6 33.8#

229 38.9 16.9 25.3#



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





#34
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.02 min Scan# 2275
 Delta R.T. 0.01 min
 Lab File: BE098150.D
 Acq: 1 Nov 2018 17:26

Instrument :
 BNA_E
 ClientSampleId :
 MW-15

Tot Ion:264 Resp: 432279
 Ion Ratio Lower Upper
 264 100
 260 24.9 21.1 31.7
 265 21.7 29.2 43.8#

