

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE110118\
 Data File : BE098147.D
 Acq On : 1 Nov 2018 15:33
 Operator : SJ/JU
 Sample : J5665-07
 Misc :
 ALS Vial : 4 Sample Multiplier: 50

Instrument :
 BNA_E
 ClientSampleId :
 TWP-02

Quant Time: Nov 02 13:11:48 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

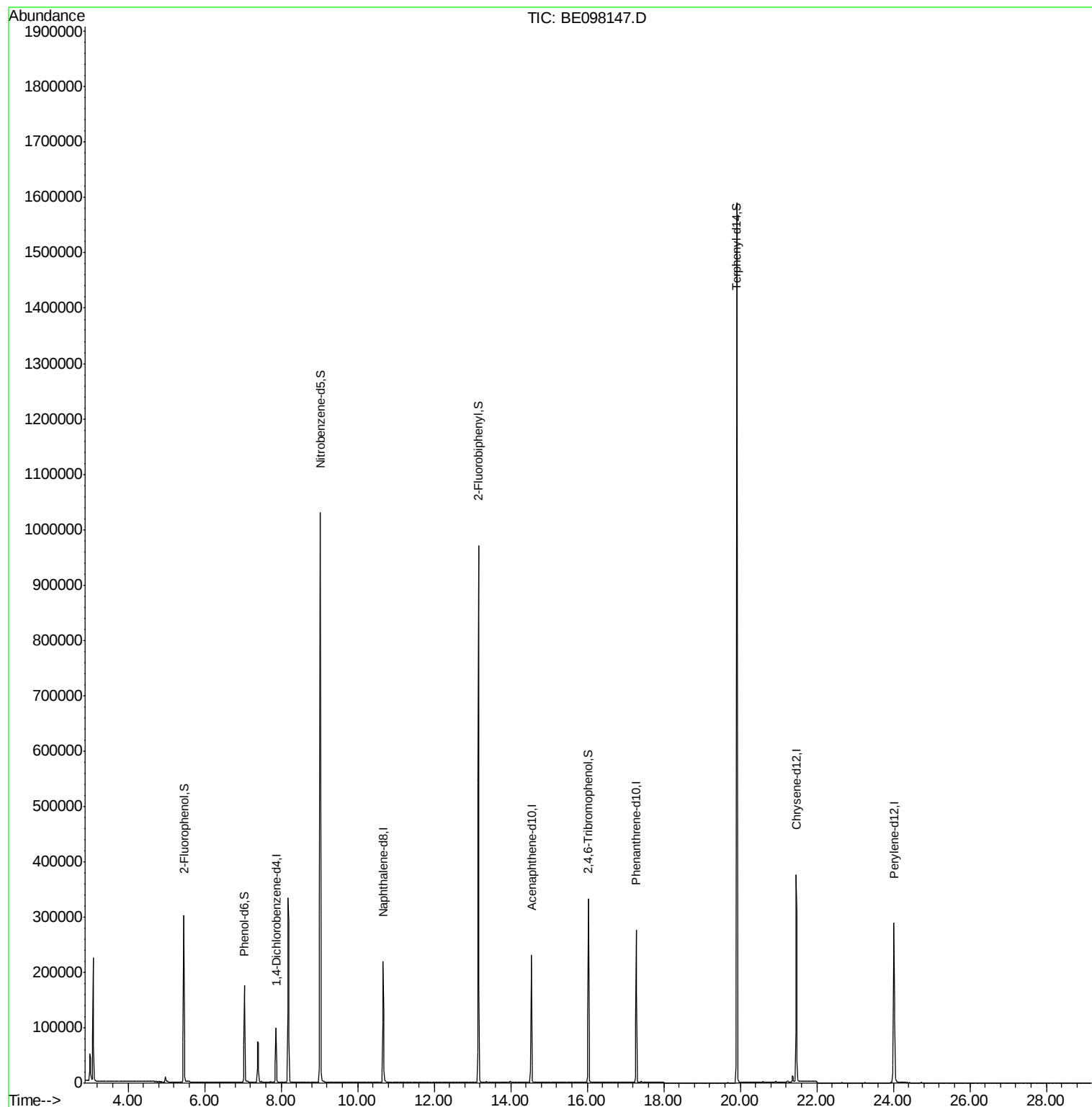
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	47752	20.00	ng	0.00
7) Naphthalene-d8	10.67	136	224299	20.00	ng	0.00
13) Acenaphthene-d10	14.54	164	157258	20.00	ng	0.00
19) Phenanthrene-d10	17.28	188	372132	20.00	ng	0.00
27) Chrysene-d12	21.46	240	423913	20.00	ng	0.00
34) Perylene-d12	24.02	264	427193	20.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.46	112	139684	49.27	ng	0.00
5) Phenol-d6	7.04	99	138382	29.64	ng	0.00
8) Nitrobenzene-d5	9.03	82	394411	81.98	ng	0.00
11) 2-Methylnaphthalene-d10	12.28	152	39	0.00	ng	0.02
14) 2,4,6-Tribromophenol	16.03	330	198713	133.43	ng	0.00
15) 2-Fluorobiphenyl	13.16	172	861655	66.64	ng	0.00
25) Fluoranthene-d10	19.32	212	37	0.00	ng	0.00
29) Terphenyl-d14	19.91	244	1404328	71.23	ng	0.00
Target Compounds						
9) Naphthalene	10.72	128	3188	0.071	ng	# 95
12) 2-Methylnaphthalene	12.35	142	202	0.025	ng	# 83
30) Benzo(a)anthracene	21.46	228	1296	0.052	ng	# 75

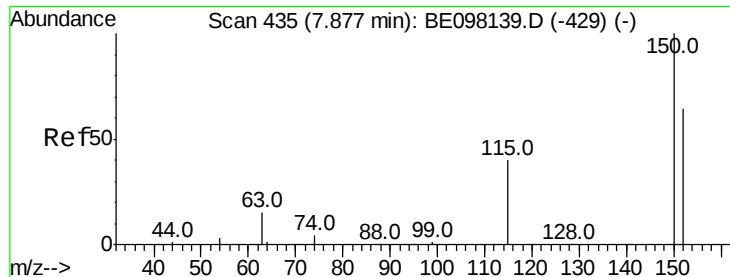
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Nov 01 13:00:52 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.87 min Scan# 435

Delta R.T. -0.00 min

Lab File: BE098147.D

Acq: 1 Nov 2018 15:33

Instrument :

BNA_E

ClientSampleId :

TWP-02

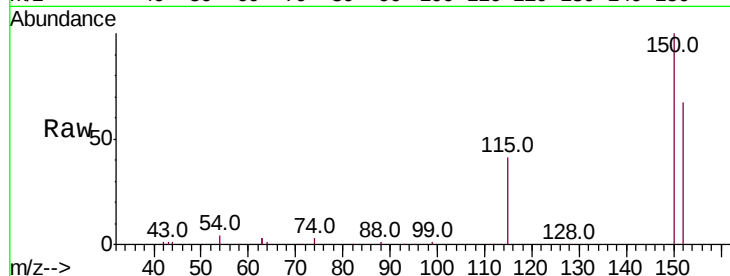
Tot Ion:152 Resp: 47752

Ion Ratio Lower Upper

152 100

150 150.0 118.2 177.4

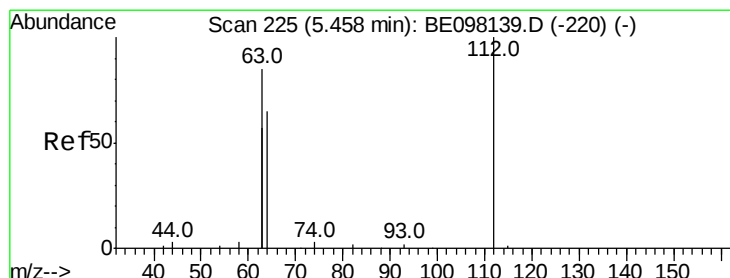
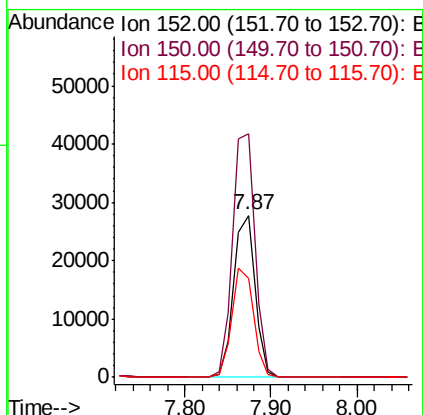
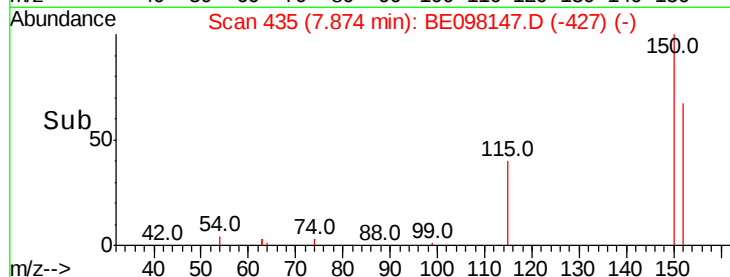
115 60.8 50.9 76.3



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



#4

2-Fluorophenol

Concen: 49.275 ng

RT: 5.46 min Scan# 225

Delta R.T. -0.00 min

Lab File: BE098147.D

Acq: 1 Nov 2018 15:33

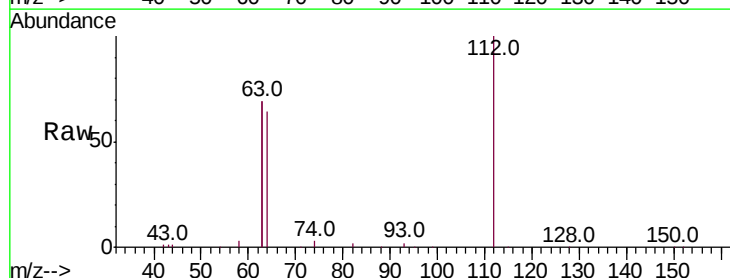
Tgt Ion:112 Resp: 139684

Ion Ratio Lower Upper

112 100

64 80.1 58.9 88.3

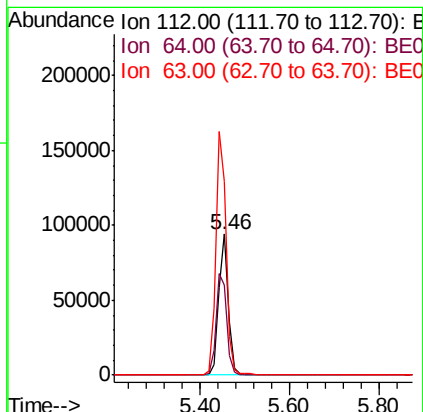
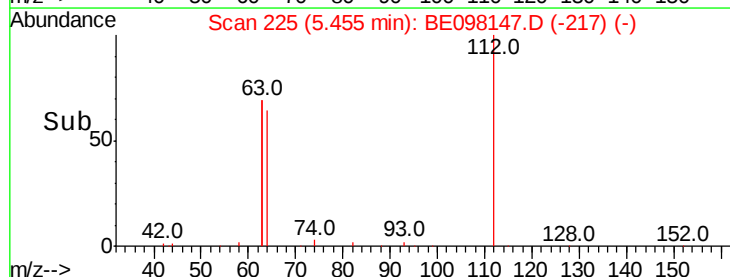
63 183.8 120.3 180.5#

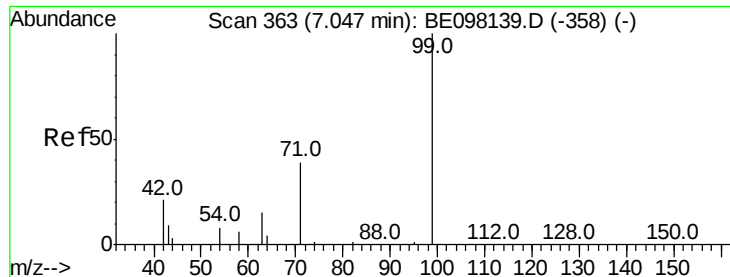


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 29.641 ng

RT: 7.04 min Scan# 363

Delta R.T. -0.00 min

Lab File: BE098147.D

Acq: 1 Nov 2018 15:33

Instrument :

BNA_E

ClientSampleId :

TWP-02

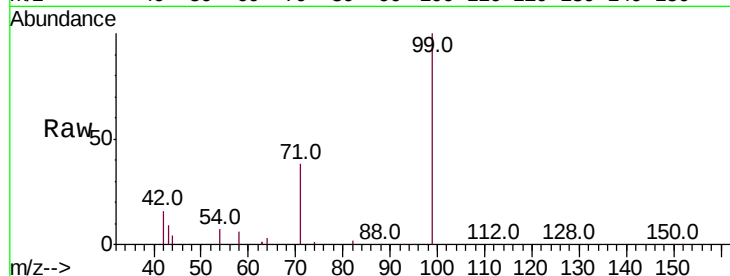
Tot Ion: 99 Resp: 138382

Ion Ratio Lower Upper

99 100

42 30.7 19.9 29.9#

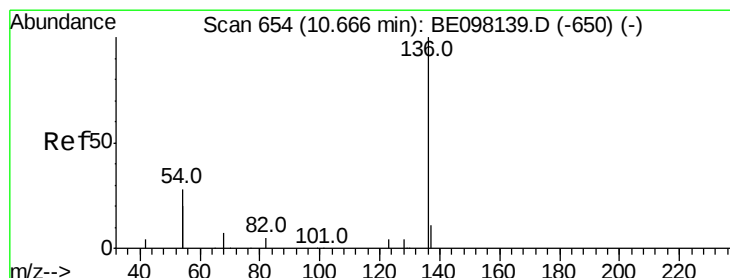
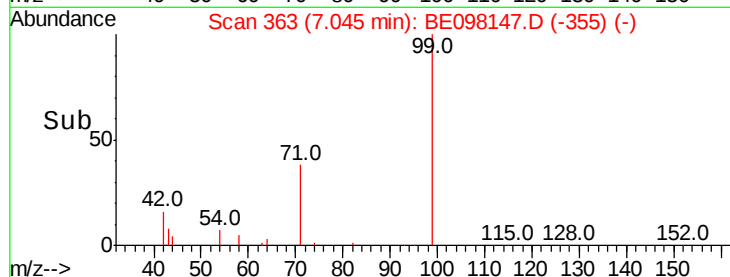
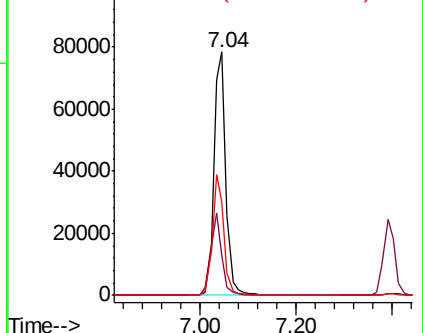
71 47.4 27.8 41.8#



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: BE098147.D

Acq: 1 Nov 2018 15:33

Tgt Ion:136 Resp: 224299

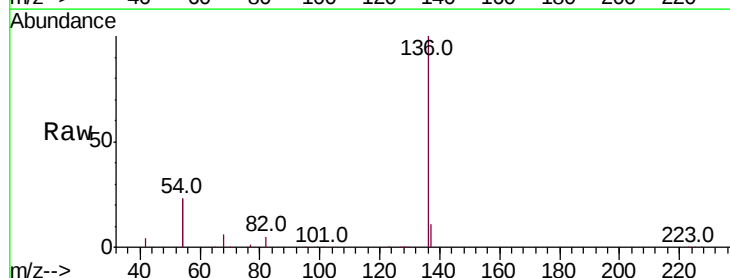
Ion Ratio Lower Upper

136 100

137 11.0 9.6 14.4

54 45.3 27.7 41.5#

68 6.0 5.3 7.9

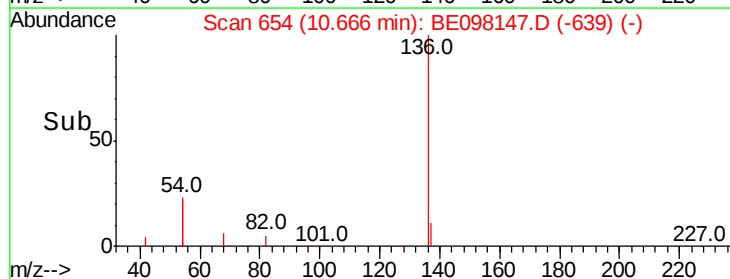
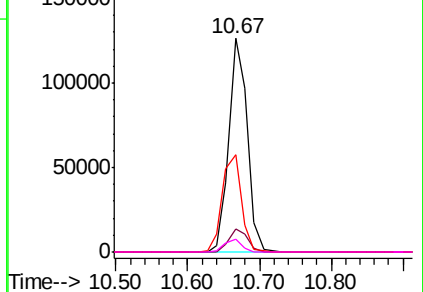


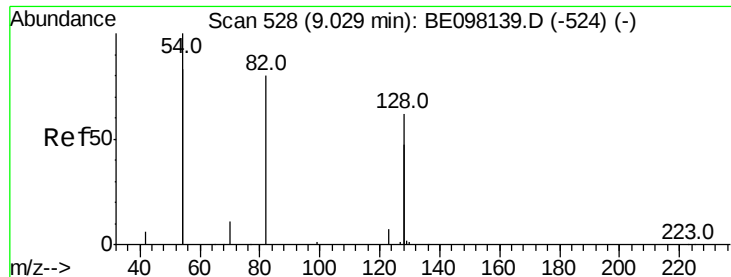
Abundance Ion 136.00 (135.70 to 136.70): E

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: 81.984 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.00 min

Lab File: BE098147.D

Acq: 1 Nov 2018 15:33

Instrument :

BNA_E

ClientSampleId :

TWP-02

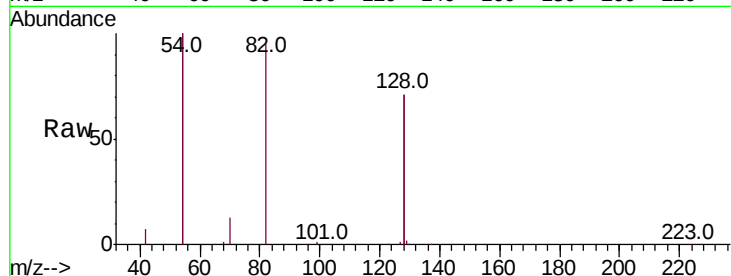
Tot Ion: 82 Resp: 394411

Ion Ratio Lower Upper

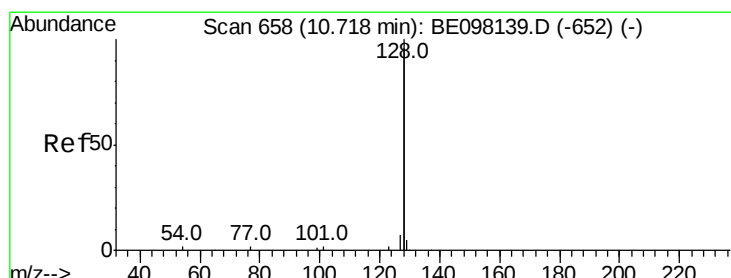
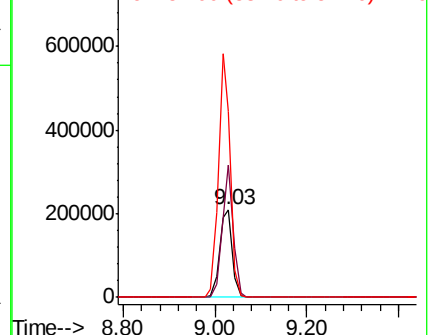
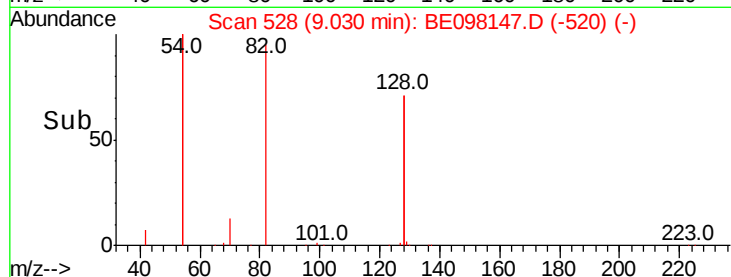
82 100

128 150.8 129.9 194.9

54 211.3 174.0 261.0



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: 0.071 ng

RT: 10.72 min Scan# 658

Delta R.T. 0.00 min

Lab File: BE098147.D

Acq: 1 Nov 2018 15:33

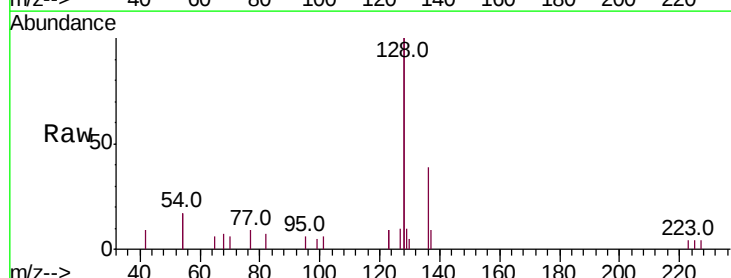
Tgt Ion:128 Resp: 3188

Ion Ratio Lower Upper

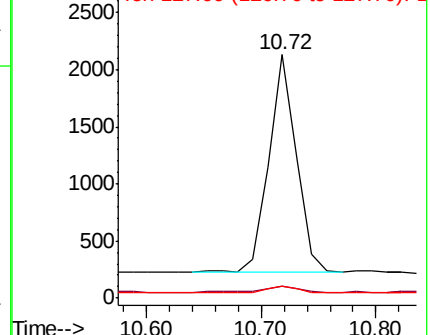
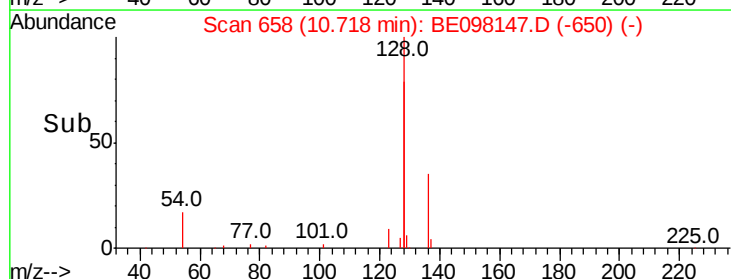
128 100

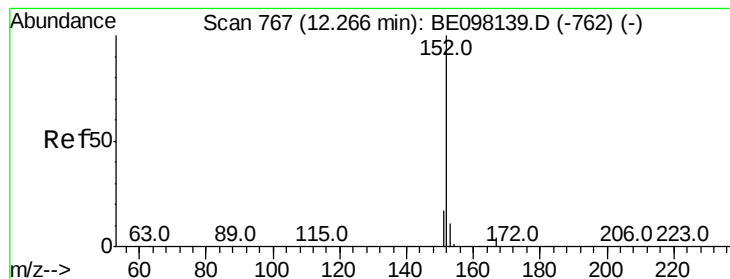
129 5.1 2.5 3.7#

127 4.9 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: 0.005 ng

RT: 12.28 min Scan# 768

Delta R.T. 0.02 min

Lab File: BE098147.D

Acq: 1 Nov 2018 15:33

Instrument :

BNA_E

ClientSampleId :

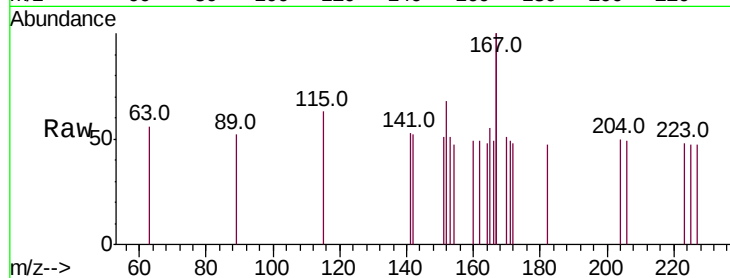
TWP-02

Tot Ion:152 Resp: 39

Ion Ratio Lower Upper

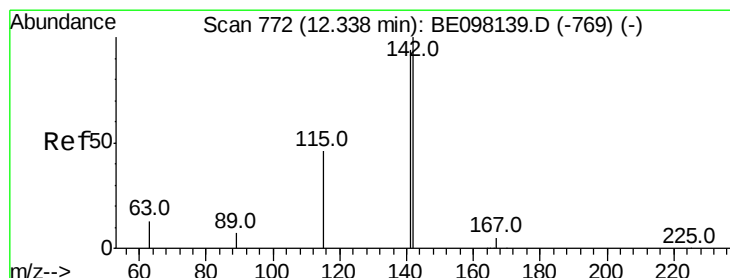
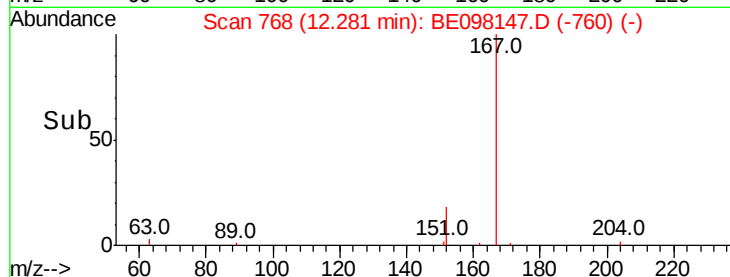
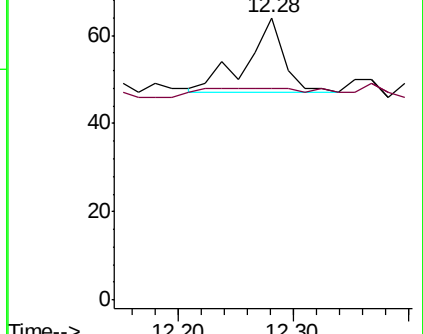
152 100

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: 0.025 ng

RT: 12.35 min Scan# 773

Delta R.T. 0.02 min

Lab File: BE098147.D

Acq: 1 Nov 2018 15:33

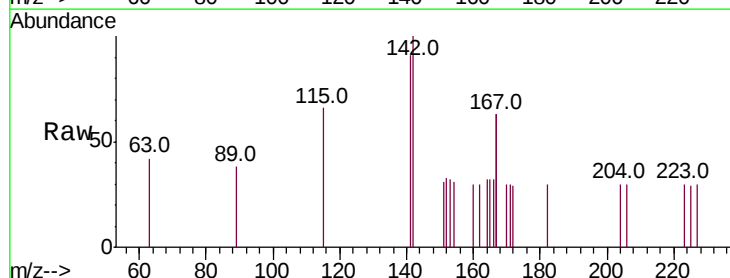
Tgt Ion:142 Resp: 202

Ion Ratio Lower Upper

142 100

141 90.7 69.8 104.6

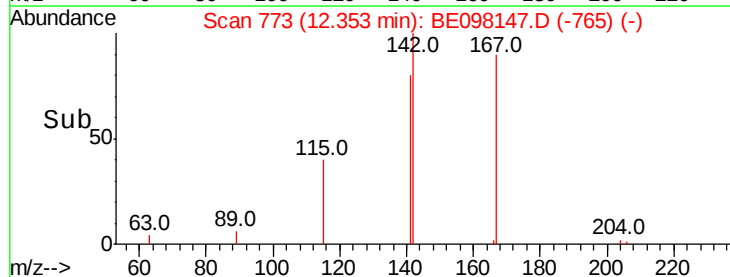
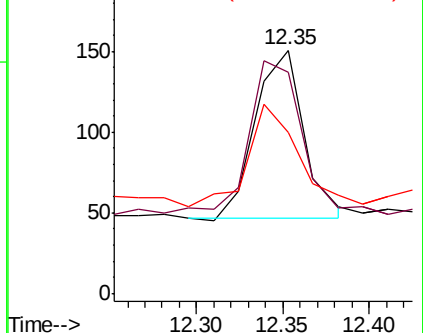
115 66.2 30.5 45.7#

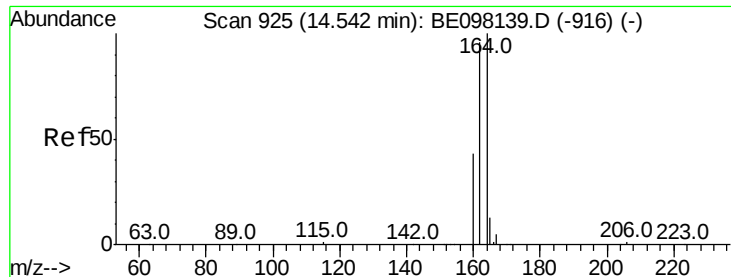


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

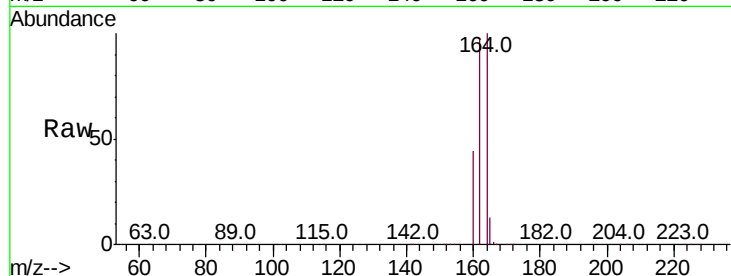




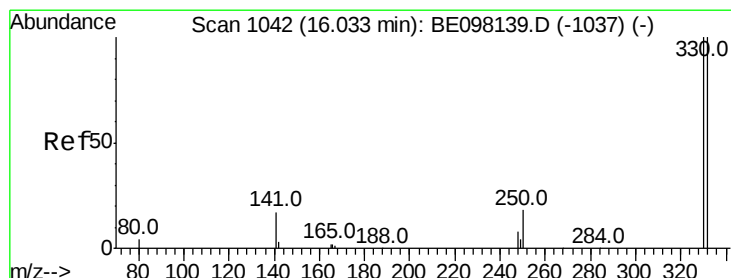
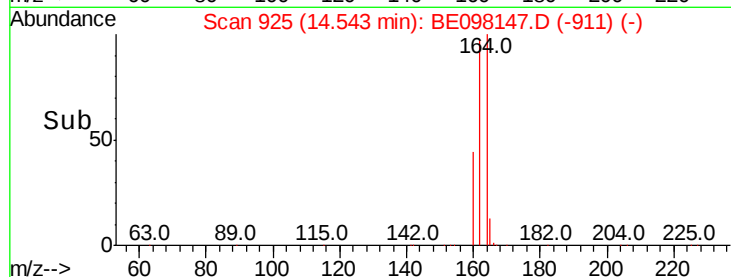
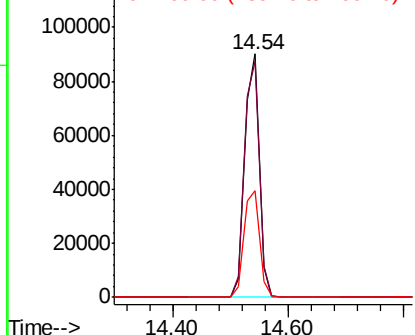
#13
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.54 min Scan# 925
 Delta R.T. 0.00 min
 Lab File: BE098147.D
 Acq: 1 Nov 2018 15:33

Instrument :
 BNA_E
 ClientSampleId :
 TWP-02

Tot Ion:164 Resp: 157258
 Ion Ratio Lower Upper
 164 100
 162 96.9 77.4 116.2
 160 43.6 36.5 54.7

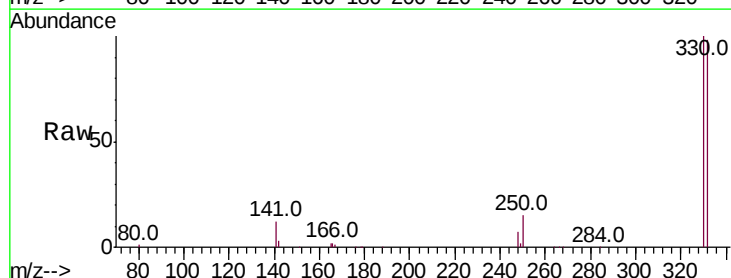


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

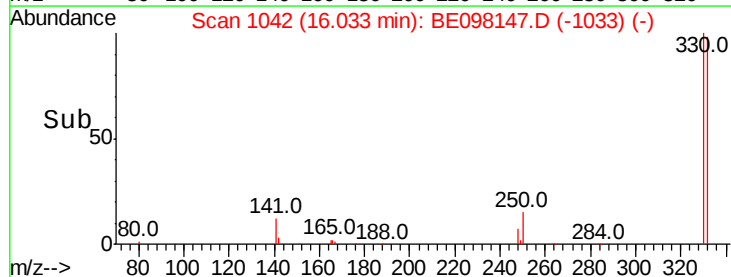
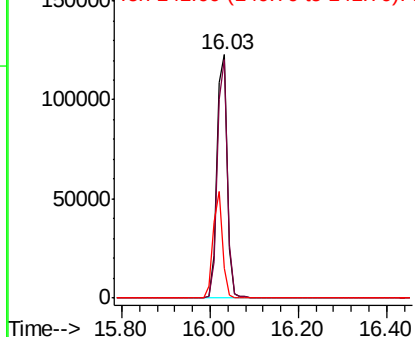


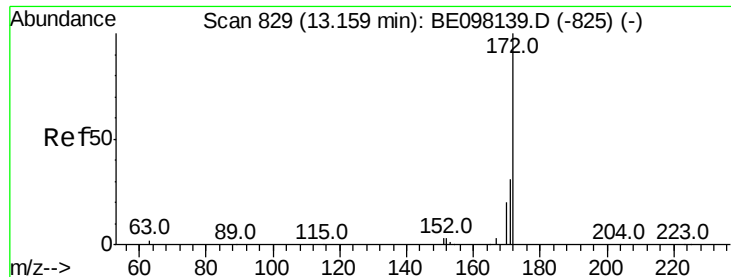
#14
 2,4,6-Tribromophenol
 Concen: 133.426 ng
 RT: 16.03 min Scan# 1042
 Delta R.T. 0.00 min
 Lab File: BE098147.D
 Acq: 1 Nov 2018 15:33

Tgt Ion:330 Resp: 198713
 Ion Ratio Lower Upper
 330 100
 332 95.9 76.5 114.7
 141 40.8 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

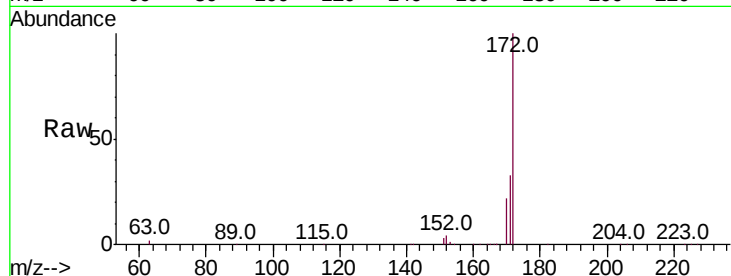




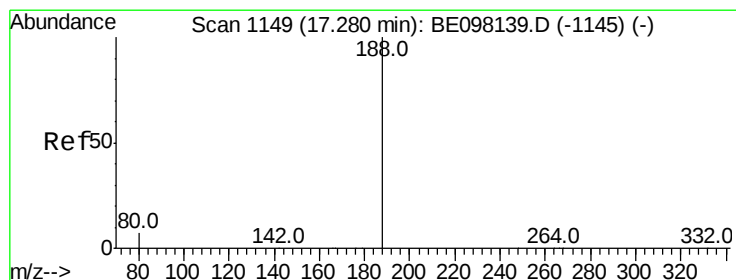
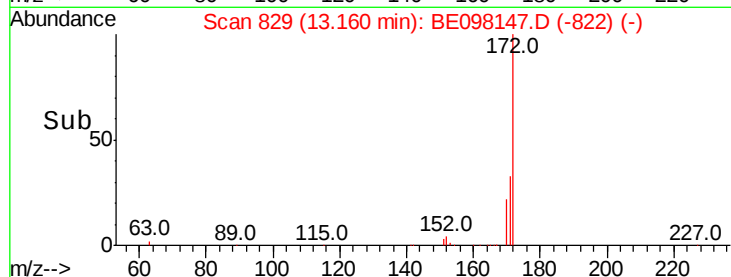
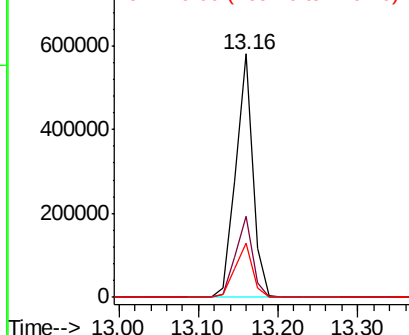
#15
2-Fluorobiphenyl
Concen: 66.635 ng
RT: 13.16 min Scan# 829
Delta R.T. 0.00 min
Lab File: BE098147.D
Acq: 1 Nov 2018 15:33

Instrument :
BNA_E
ClientSampleId :
TWP-02

Tot Ion:172 Resp: 861655
Ion Ratio Lower Upper
172 100
171 33.2 26.0 39.0
170 22.3 18.0 27.0

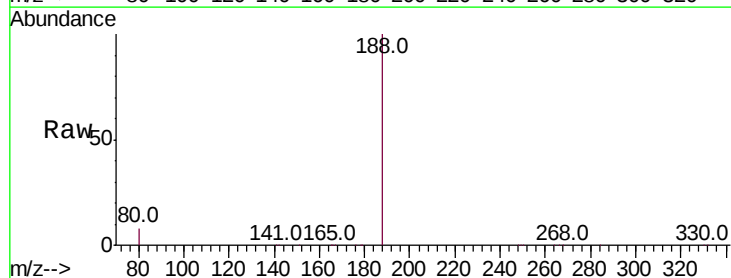


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

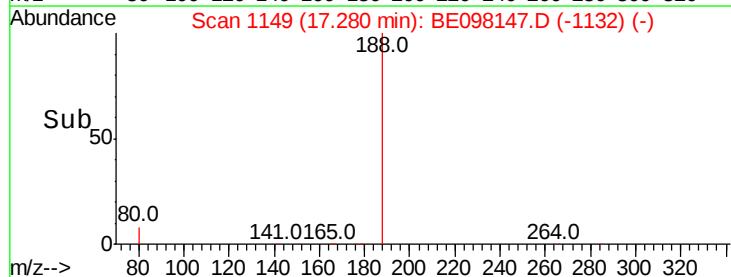
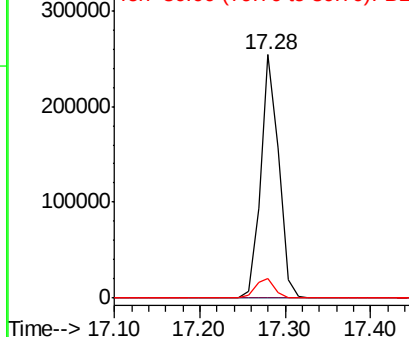


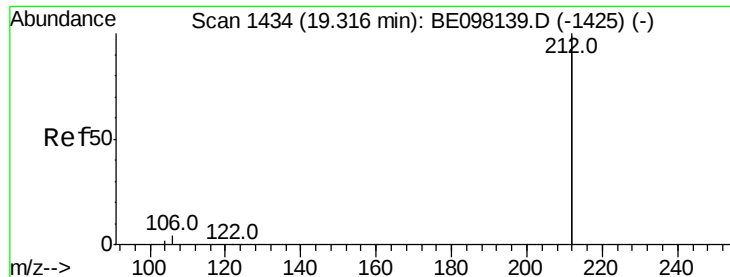
#19
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.28 min Scan# 1149
Delta R.T. 0.00 min
Lab File: BE098147.D
Acq: 1 Nov 2018 15:33

Tgt Ion:188 Resp: 372132
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.3 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





#25

Fluoranthene-d10

Concen: 0.000 ng

RT: 19.32 min Scan# 1435

Delta R.T. 0.00 min

Lab File: BE098147.D

Acq: 1 Nov 2018 15:33

Instrument :

BNA_E

ClientSampled :

TWP-02

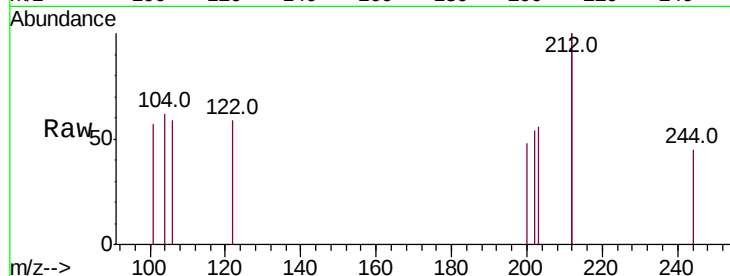
Tot Ion:212 Resp: 37

Ion Ratio Lower Upper

212 100

106 0.0 2.3 3.5#

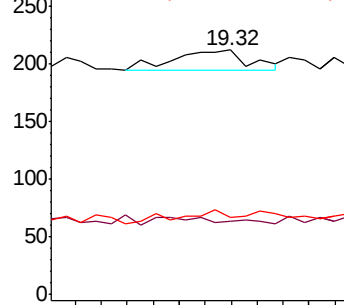
104 16.2 1.3 1.9#



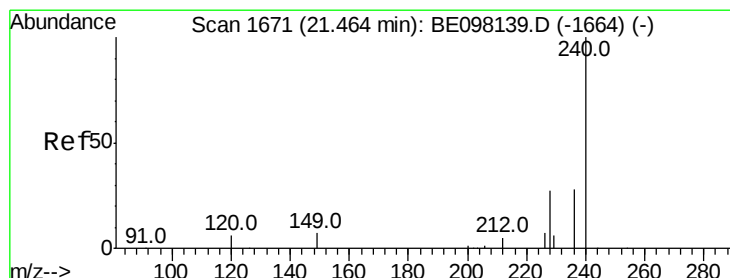
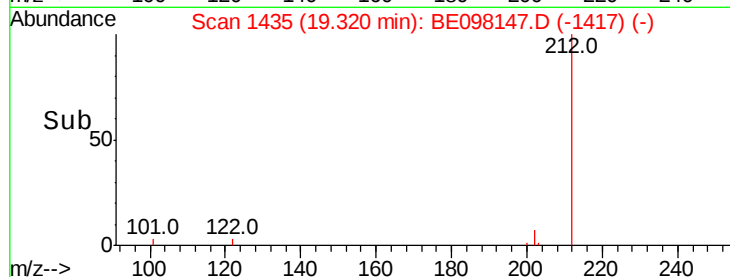
Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



Time-->



#27

Chrysene-d12

Concen: 20.000 ng

RT: 21.46 min Scan# 1671

Delta R.T. -0.00 min

Lab File: BE098147.D

Acq: 1 Nov 2018 15:33

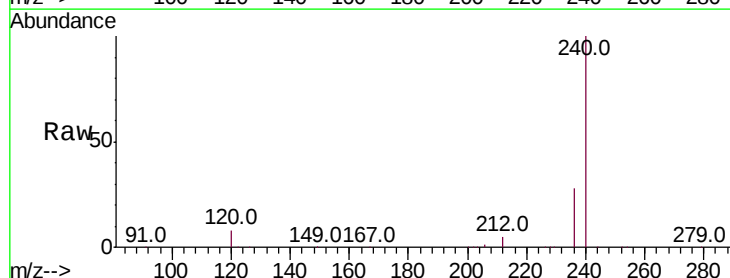
Tgt Ion:240 Resp: 423913

Ion Ratio Lower Upper

240 100

120 8.1 7.1 10.7

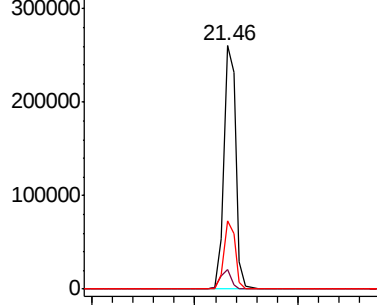
236 27.9 21.3 31.9



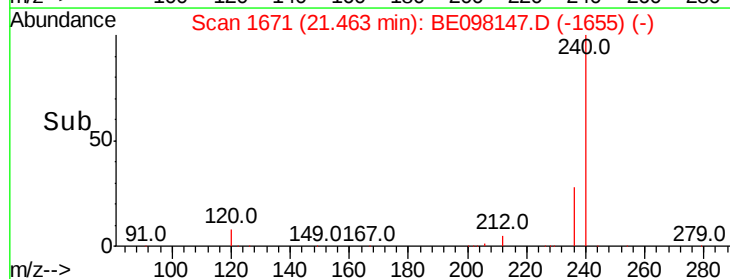
Abundance Ion 240.00 (239.70 to 240.70): E

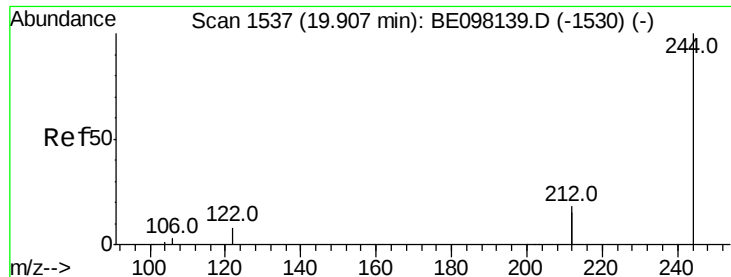
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->





#29

Terphenyl-d14

Concen: 71.227 ng

RT: 19.91 min Scan# 1538

Delta R.T. 0.00 min

Lab File: BE098147.D

Acq: 1 Nov 2018 15:33

Instrument :

BNA_E

ClientSampleID :

TWP-02

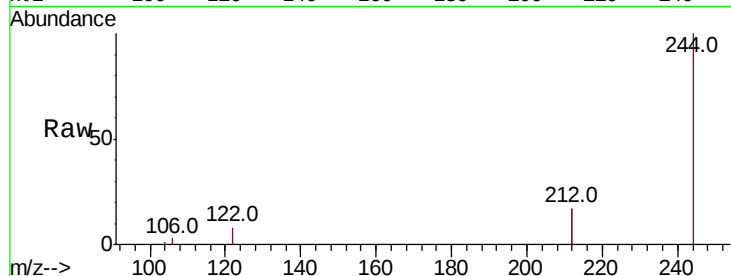
Tot Ion:244 Resp: 1404328

Ion Ratio Lower Upper

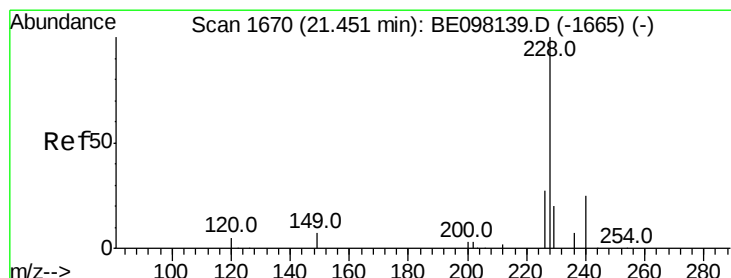
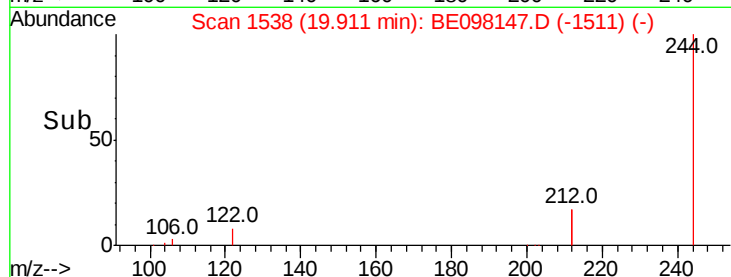
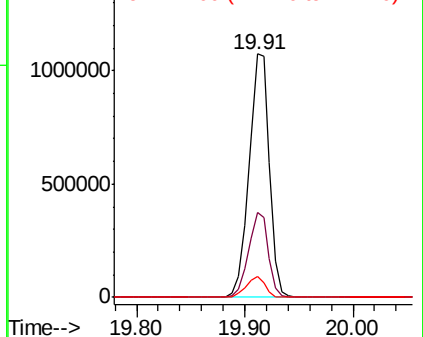
244 100

212 34.9 26.2 39.2

122 8.4 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: 0.052 ng

RT: 21.46 min Scan# 1671

Delta R.T. 0.01 min

Lab File: BE098147.D

Acq: 1 Nov 2018 15:33

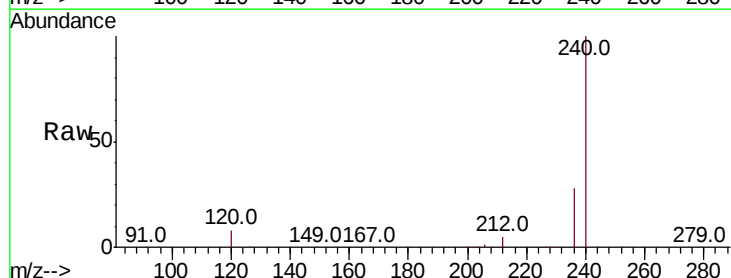
Tgt Ion:228 Resp: 1296

Ion Ratio Lower Upper

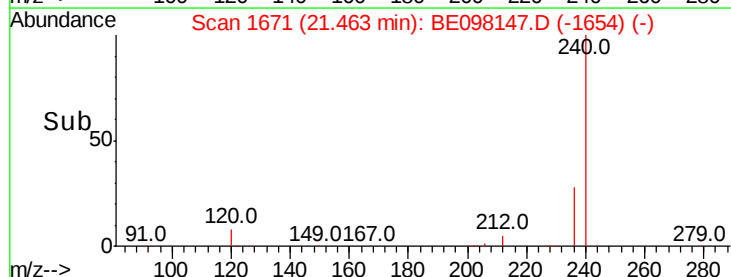
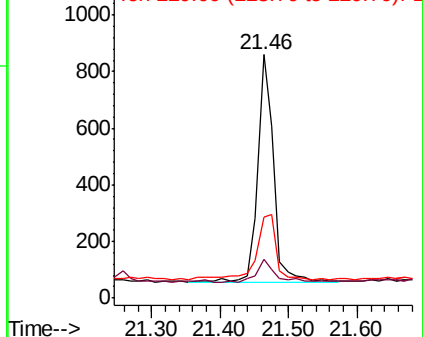
228 100

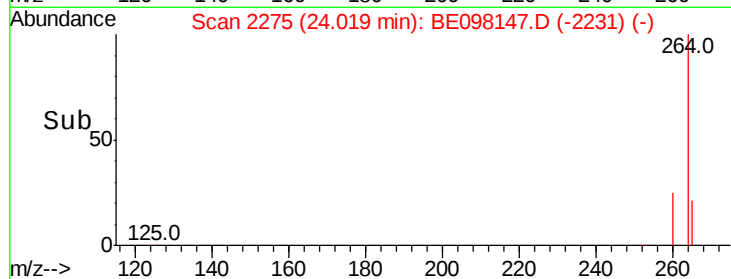
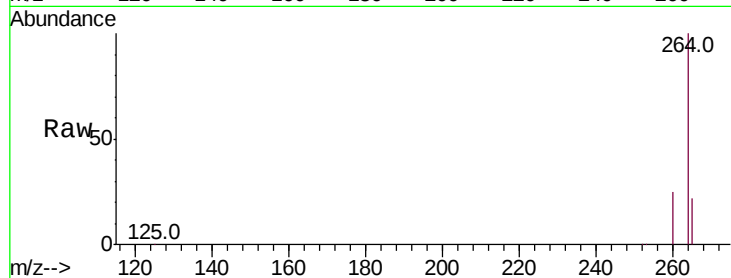
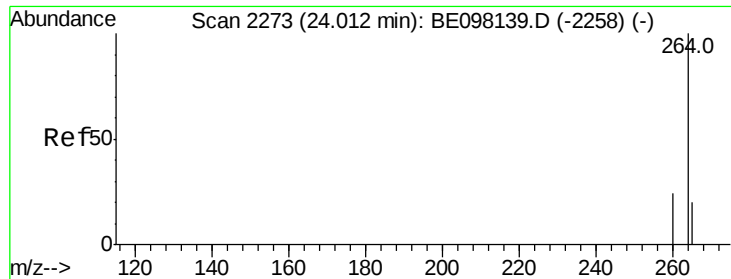
226 15.7 22.6 33.8#

229 33.4 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: BE098147.D

Acq: 1 Nov 2018 15:33

Instrument :

BNA_E

ClientSampleId :

TWP-02

Tot Ion:264 Resp: 427193

Ion Ratio Lower Upper

264 100

260 25.0 21.1 31.7

265 21.5 29.2 43.8#

