

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE122018\
 Data File : BE098533.D
 Acq On : 20 Dec 2018 11:22
 Operator : SJ/JU
 Sample : J6319-17
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 061_SW-N-1

Quant Time: Dec 20 13:29:54 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	645	0.40	ng	-0.01
7) Naphthalene-d8	10.64	136	3099	0.40	ng	-0.03
13) Acenaphthene-d10	14.51	164	2426	0.40	ng	-0.01
19) Phenanthrene-d10	17.26	188	7794	0.40	ng	-0.02
27) Chrysene-d12	21.45	240	11494	0.40	ng	-0.01
34) Perylene-d12	23.98	264	9834	0.40	ng	-0.03

System Monitoring Compounds						
4) 2-Fluorophenol	5.44	112	489	0.32	ng	0.00
5) Phenol-d6	7.03	99	493	0.23	ng	-0.01
8) Nitrobenzene-d5	9.02	82	1015	0.36	ng	0.00
11) 2-Methylnaphthalene-d10	12.25	152	2197	0.44	ng	-0.01
14) 2,4,6-Tribromophenol	16.01	330	735	0.83	ng	-0.01
15) 2-Fluorobiphenyl	13.13	172	5271	0.52	ng	-0.01
25) Fluoranthene-d10	19.29	212	50747	0.51	ng	-0.02
29) Terphenyl-d14	19.89	244	15456	0.55	ng	-0.02

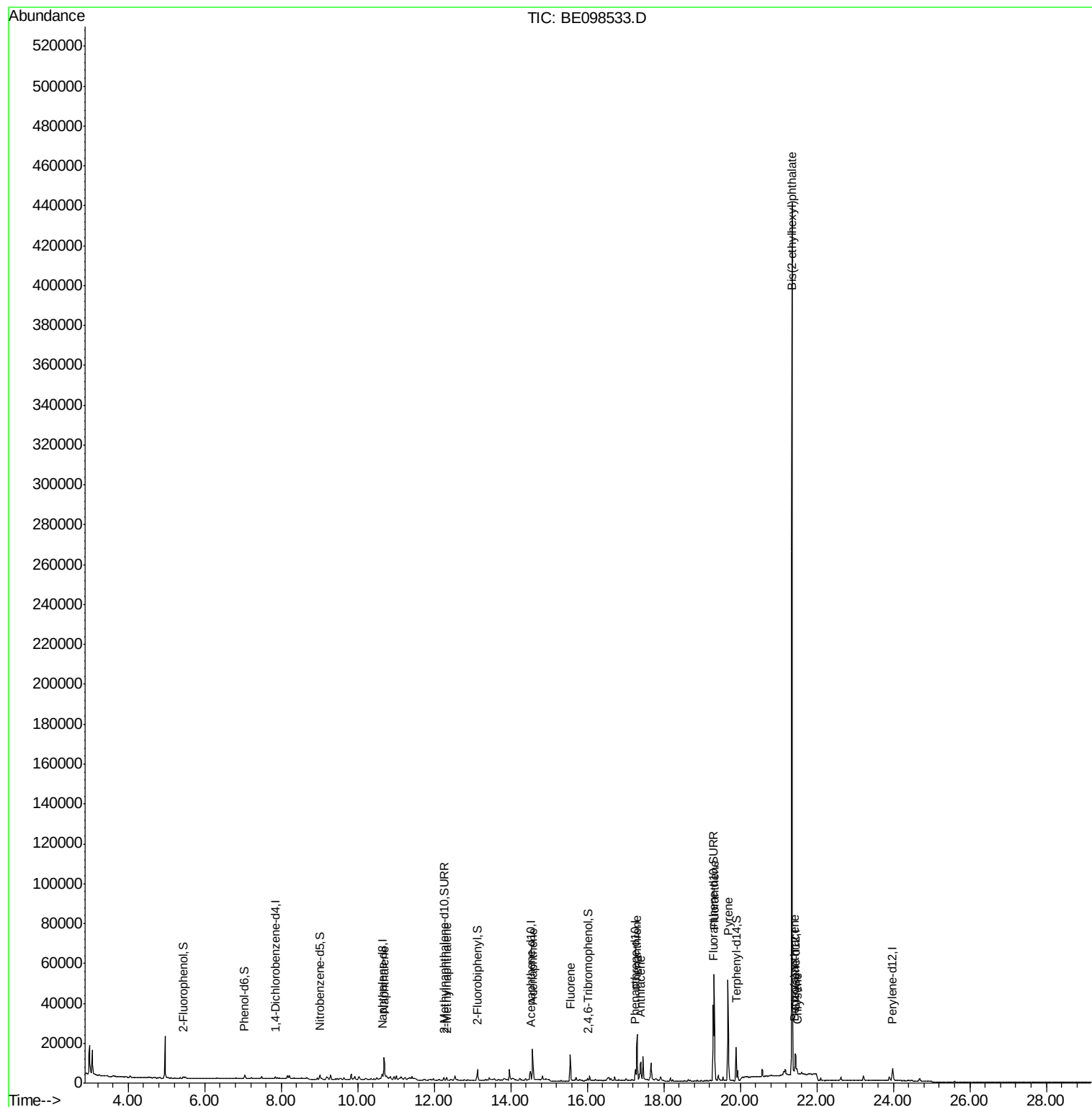
Target Compounds				Qvalue		
9) Naphthalene	10.69	128	20666	0.663	ng	# 97
12) 2-Methylnaphthalene	12.33	142	1191	0.235	ng	# 90
17) Acenaphthene	14.57	154	7510	1.100	ng	97
18) Fluorene	15.55	166	9944	1.088	ng	99
23) Phenanthrene	17.30	178	25622	1.353	ng	100
24) Anthracene	17.40	178	10852	0.643	ng	# 83
26) Fluoranthene	19.32	202	47859	1.910	ng	98
28) Pyrene	19.68	202	46213	1.281	ng	# 95
30) Benzo(a)anthracene	21.43	228	3029	0.093	ng	# 86
31) Chrysene	21.49	228	2937	0.086	ng	# 84
32) Bis(2-ethylhexyl)phthalate	21.35	149	514901	7.746	ng	99

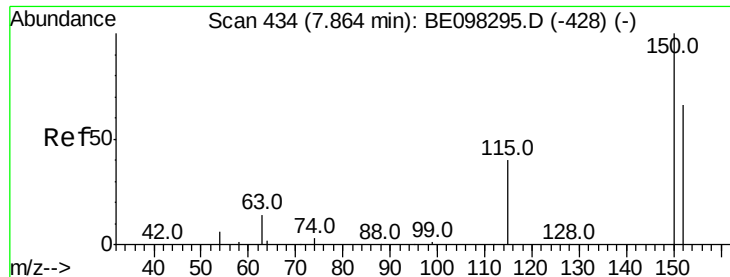
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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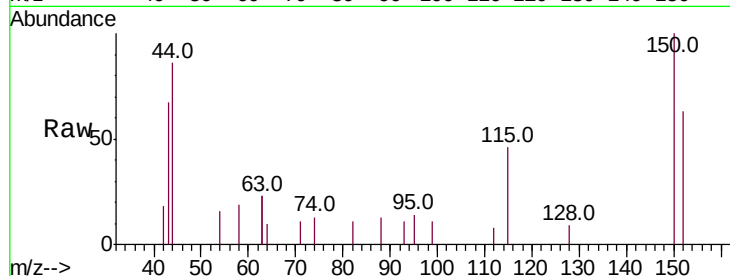


#1

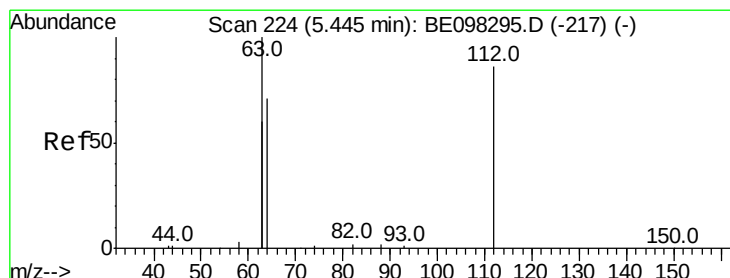
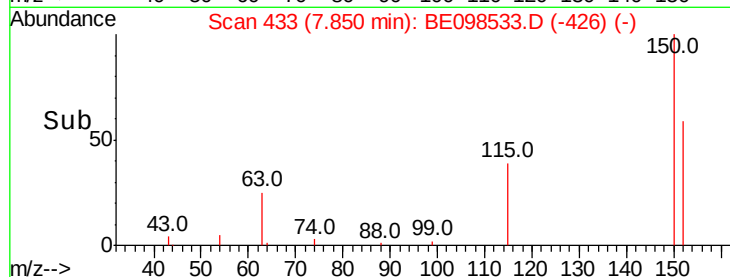
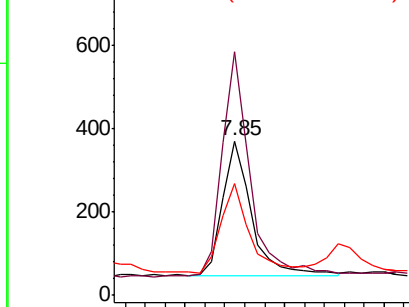
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.85 min Scan# 433
Delta R.T. -0.01 min
Lab File: BE098533.D
Acq: 20 Dec 2018 11:22

Instrument :
BNA_E
ClientSampleId :
061_SW-N-1

Tot Ion:152 Resp: 645
Ion Ratio Lower Upper
152 100
150 157.8 124.2 186.4
115 72.2 53.9 80.9



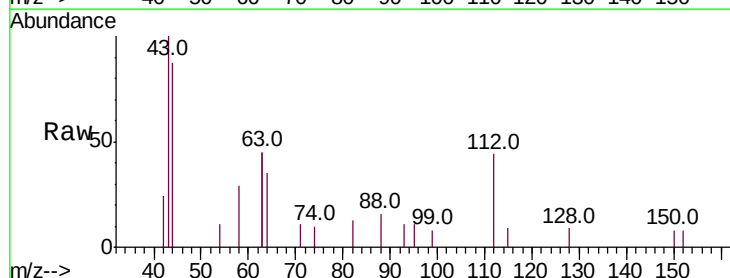
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



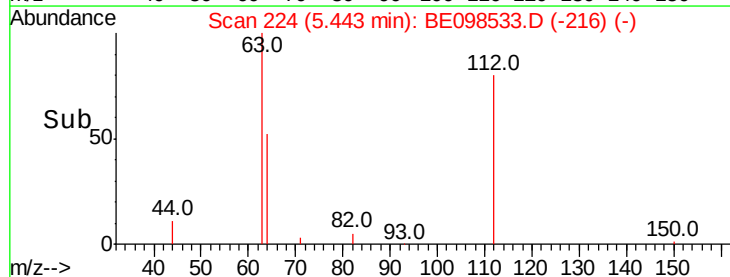
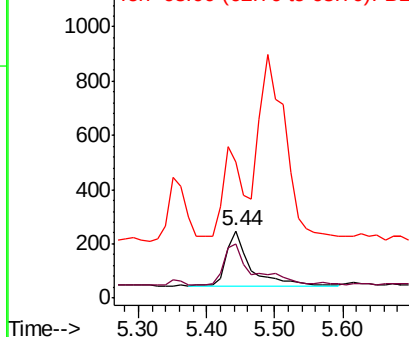
#4

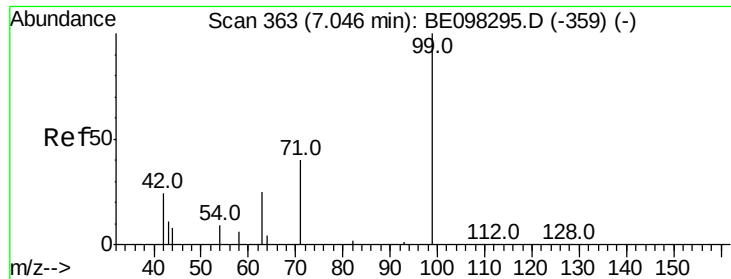
2-Fluorophenol
Concen: 0.324 ng
RT: 5.44 min Scan# 224
Delta R.T. -0.00 min
Lab File: BE098533.D
Acq: 20 Dec 2018 11:22

Tgt Ion:112 Resp: 489
Ion Ratio Lower Upper
112 100
64 85.7 59.8 89.8
63 140.7 133.7 200.5



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: 0.231 ng

RT: 7.03 min Scan# 362

Delta R.T. -0.01 min

Lab File: BE098533.D

Acq: 20 Dec 2018 11:22

Instrument :

BNA_E

ClientSampleId :

061_SW-N-1

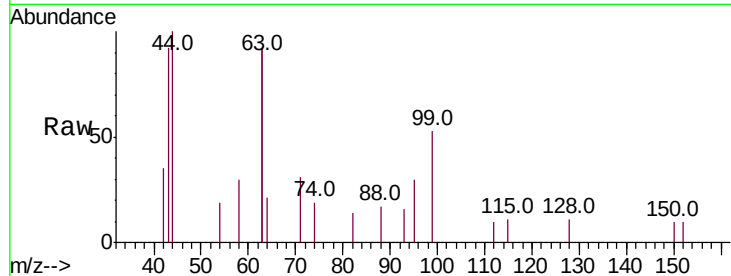
Tot Ion: 99 Resp: 493

Ion Ratio Lower Upper

99 100

42 56.8 26.3 39.5#

71 40.2 33.6 50.4

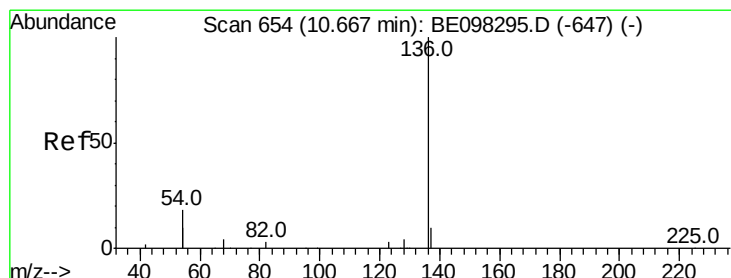
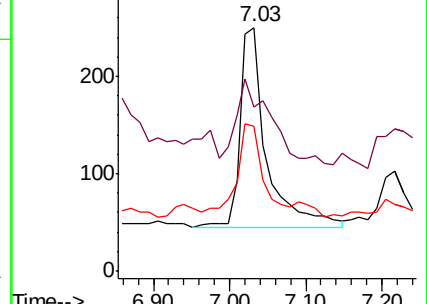
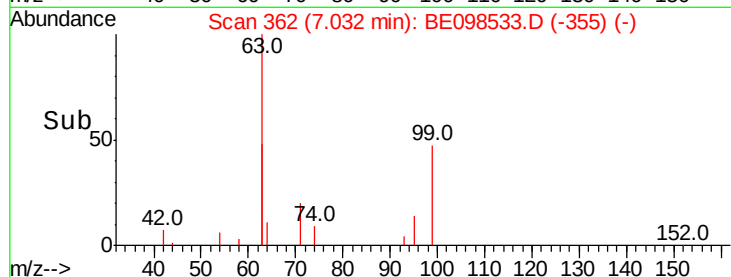


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.64 min Scan# 652

Delta R.T. -0.03 min

Lab File: BE098533.D

Acq: 20 Dec 2018 11:22

Tgt Ion: 136 Resp: 3099

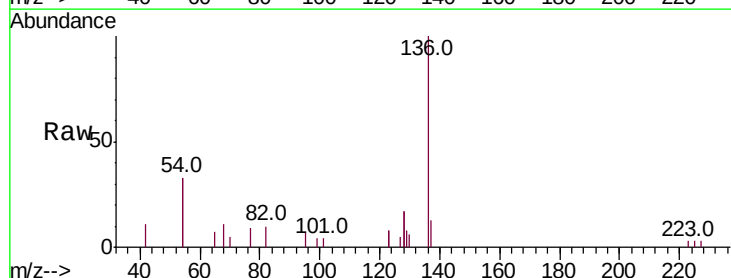
Ion Ratio Lower Upper

136 100

137 13.4 9.2 13.8

54 65.2 28.4 42.6#

68 11.4 5.4 8.0#



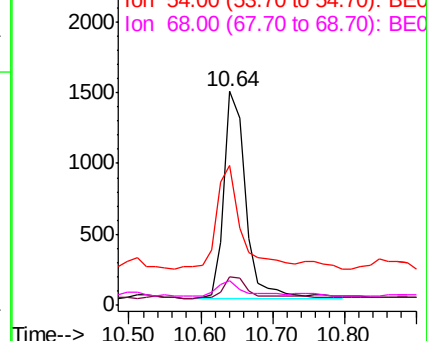
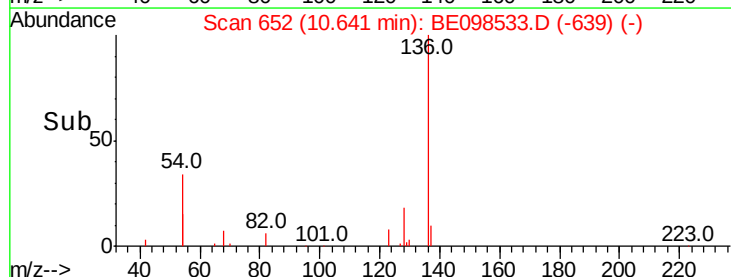
Abundance Ion 136.00 (135.70 to 136.70): E

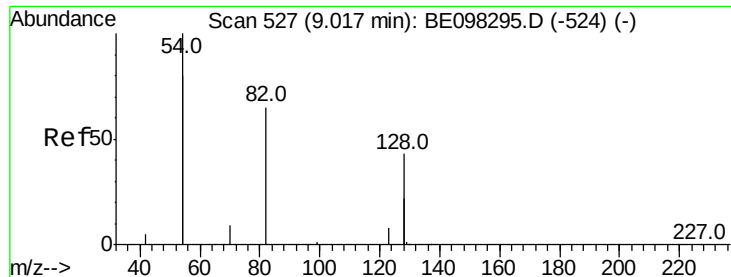
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0

Time-->





#8

Nitrobenzene-d5

Concen: 0.360 ng

RT: 9.02 min Scan# 527

Delta R.T. 0.00 min

Lab File: BE098533.D

Acq: 20 Dec 2018 11:22

Instrument :

BNA_E

ClientSampleId :

061_SW-N-1

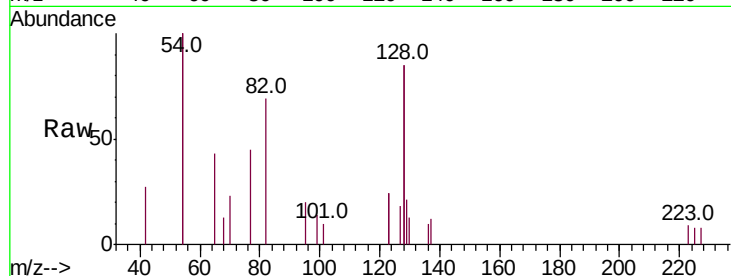
Tot Ion: 82 Resp: 1015

Ion Ratio Lower Upper

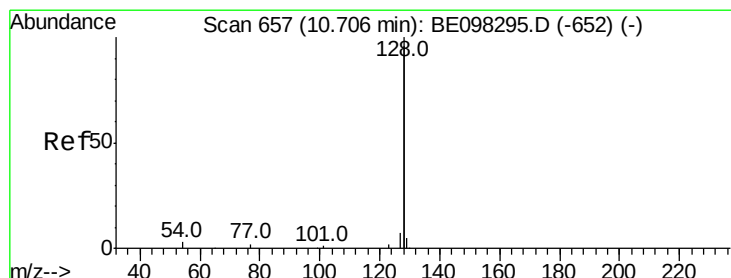
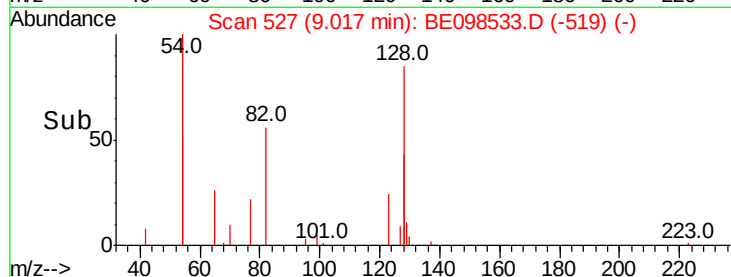
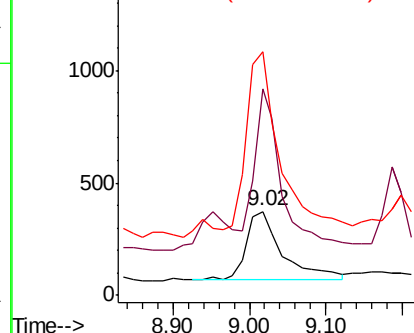
82 100

128 247.3 102.4 153.6#

54 291.4 221.8 332.8



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: 0.663 ng

RT: 10.69 min Scan# 656

Delta R.T. -0.01 min

Lab File: BE098533.D

Acq: 20 Dec 2018 11:22

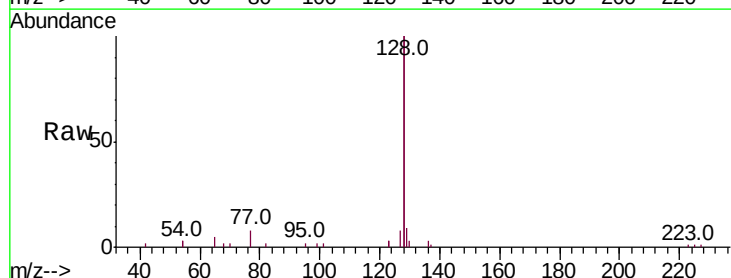
Tgt Ion: 128 Resp: 20666

Ion Ratio Lower Upper

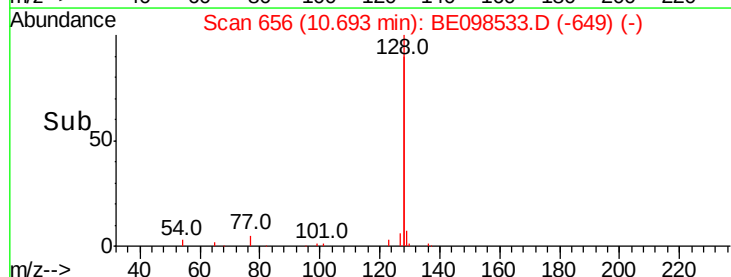
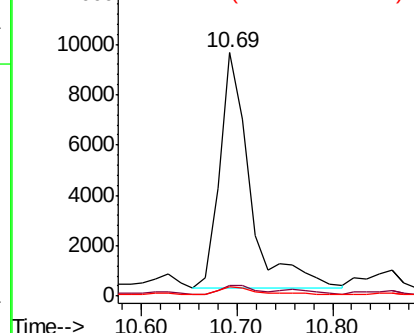
128 100

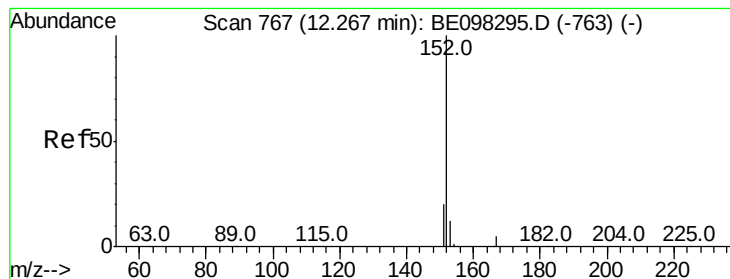
129 4.6 2.5 3.7#

127 3.8 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





#11

2-Methylnaphthalene-d10

Concen: 0.436 ng

RT: 12.25 min Scan# 766

Delta R.T. -0.01 min

Lab File: BE098533.D

Acq: 20 Dec 2018 11:22

Instrument :

BNA_E

ClientSampleId :

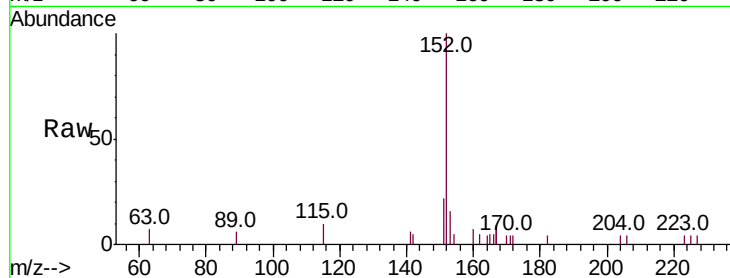
061_SW-N-1

Tot Ion:152 Resp: 2197

Ion Ratio Lower Upper

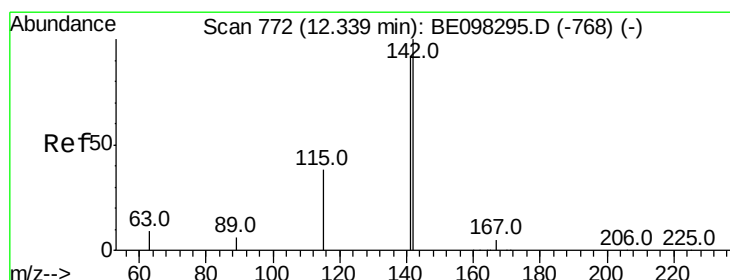
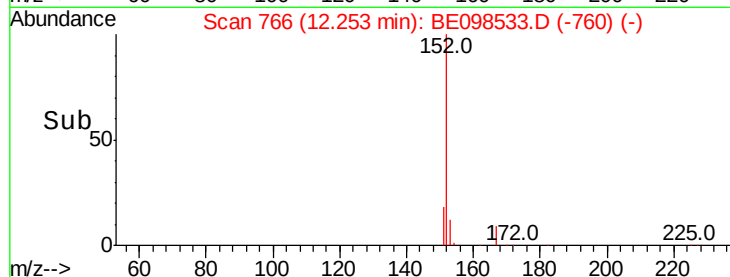
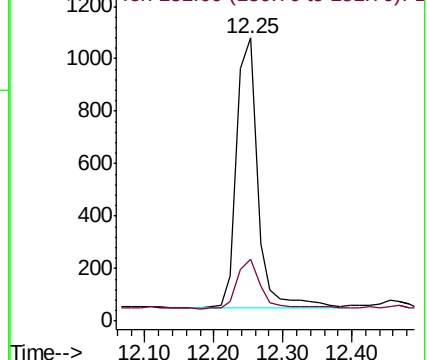
152 100

151 20.2 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: 0.235 ng

RT: 12.33 min Scan# 771

Delta R.T. -0.01 min

Lab File: BE098533.D

Acq: 20 Dec 2018 11:22

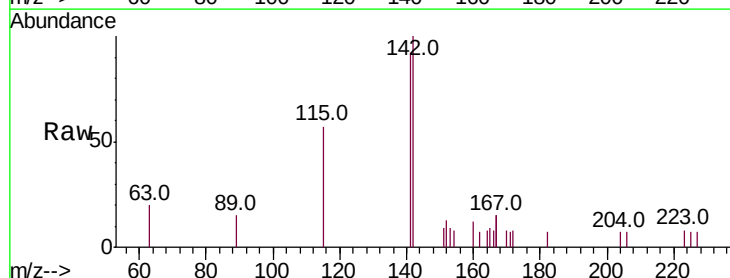
Tgt Ion:142 Resp: 1191

Ion Ratio Lower Upper

142 100

141 91.7 71.0 106.6

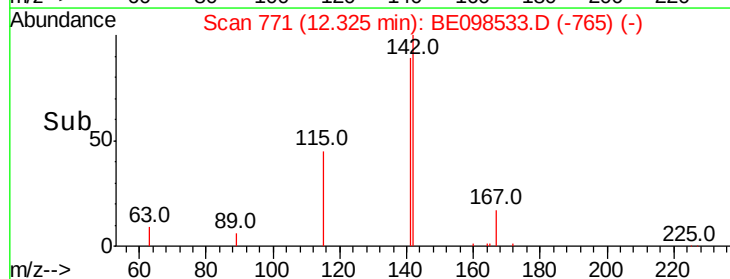
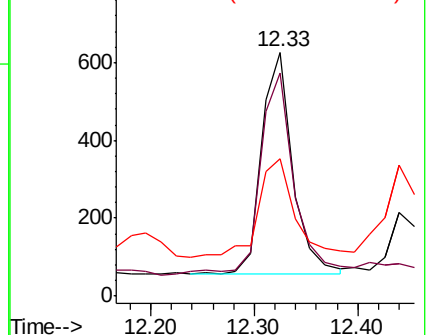
115 56.5 32.2 48.2#

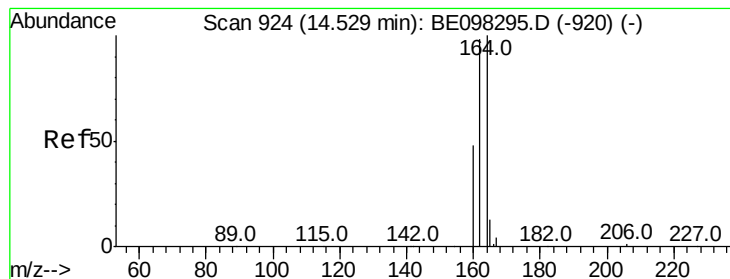


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.51 min Scan# 923

Delta R.T. -0.01 min

Lab File: BE098533.D

Acq: 20 Dec 2018 11:22

Instrument :

BNA_E

ClientSampleId :

061_SW-N-1

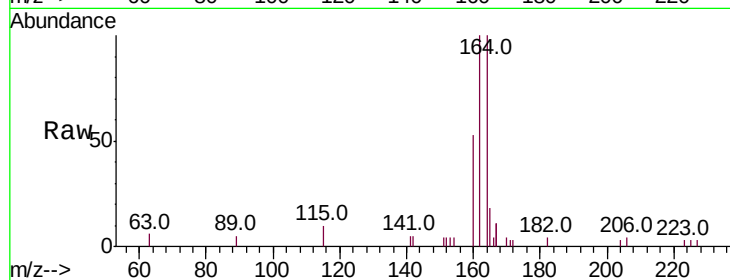
Tot Ion:164 Resp: 2426

Ion Ratio Lower Upper

164 100

162 99.8 77.6 116.4

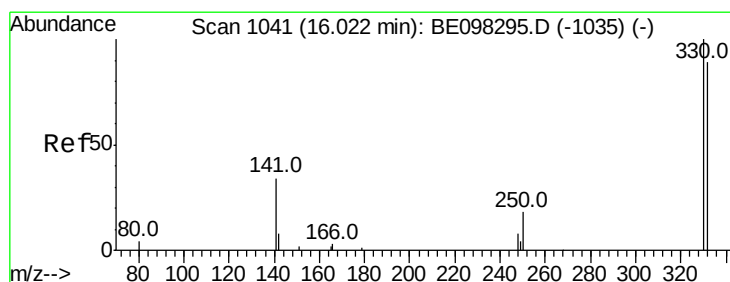
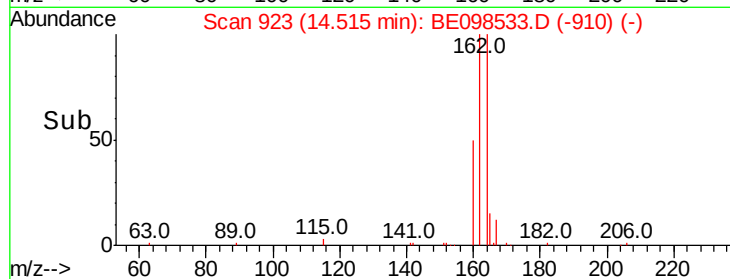
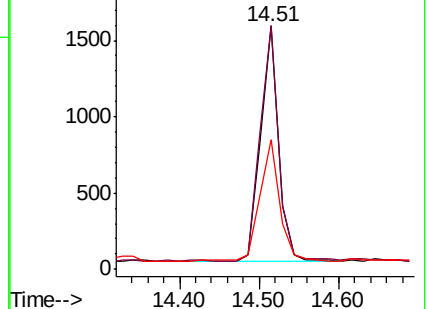
160 53.3 36.0 54.0



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: 0.825 ng

RT: 16.01 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BE098533.D

Acq: 20 Dec 2018 11:22

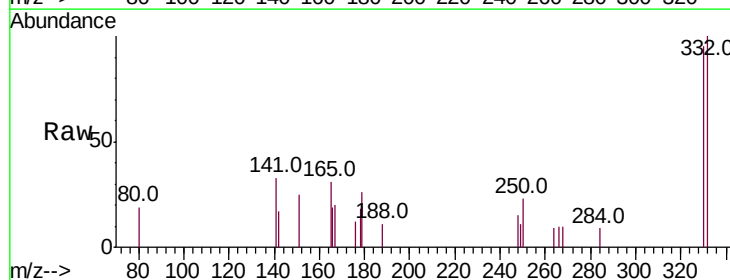
Tgt Ion:330 Resp: 735

Ion Ratio Lower Upper

330 100

332 102.4 76.2 114.4

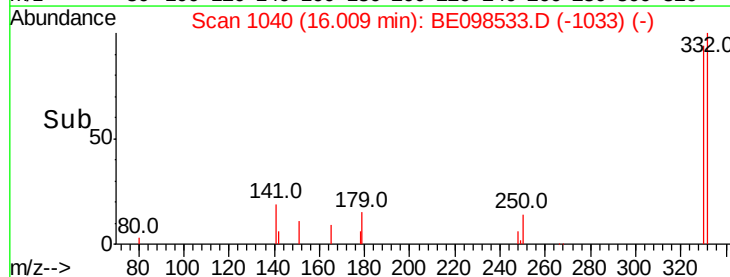
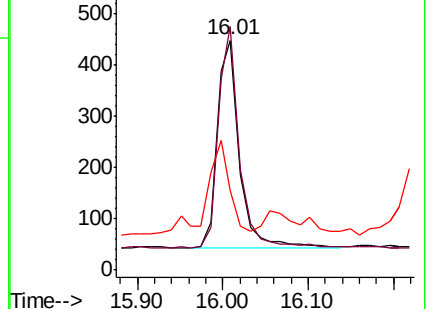
141 43.0 39.0 58.4

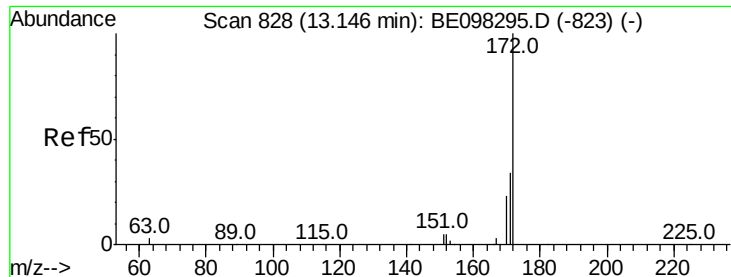


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

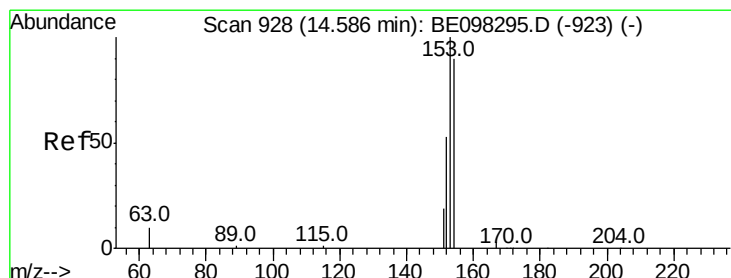
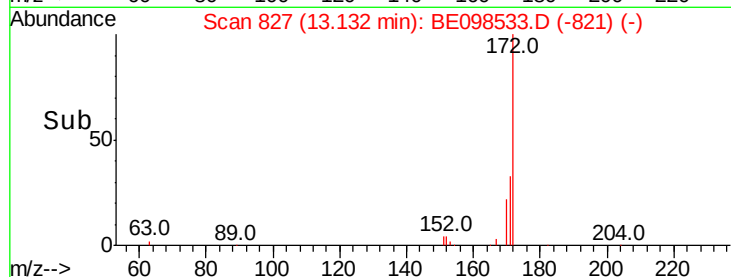
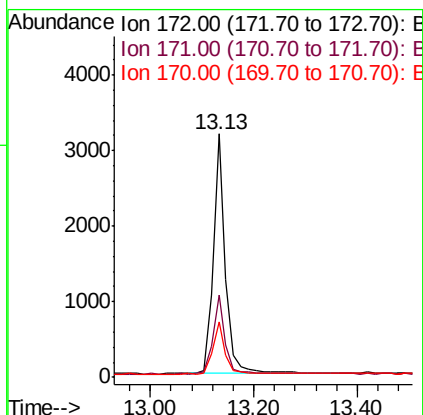
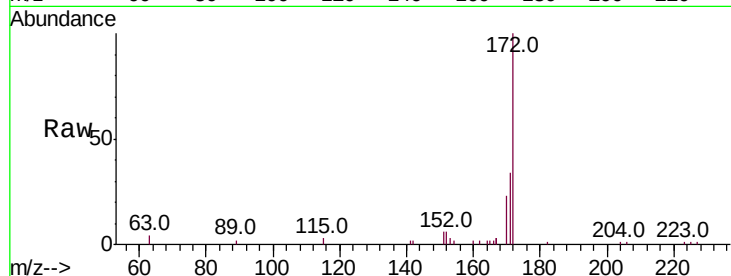




#15
2-Fluorobiphenyl
Concen: 0.515 ng
RT: 13.13 min Scan# 827
Delta R.T. -0.01 min
Lab File: BE098533.D
Acq: 20 Dec 2018 11:22

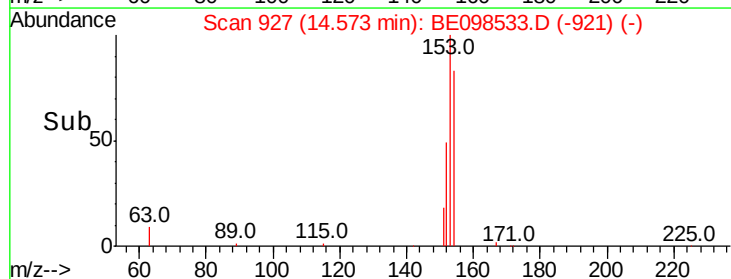
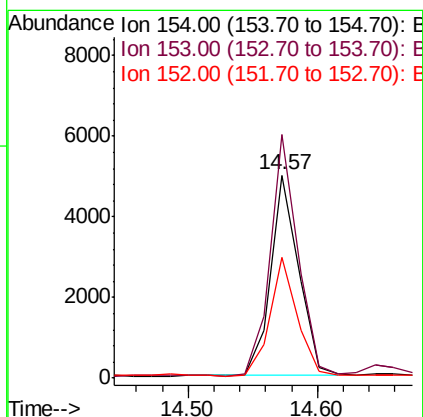
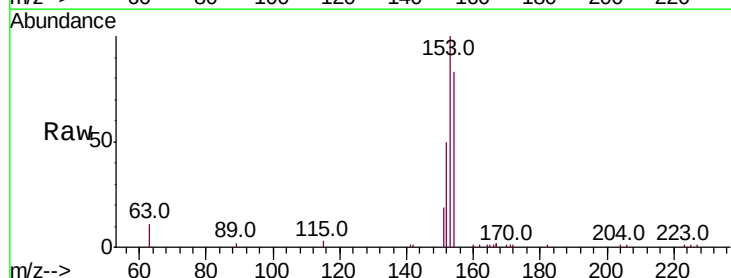
Instrument :
BNA_E
ClientSampleId :
061_SW-N-1

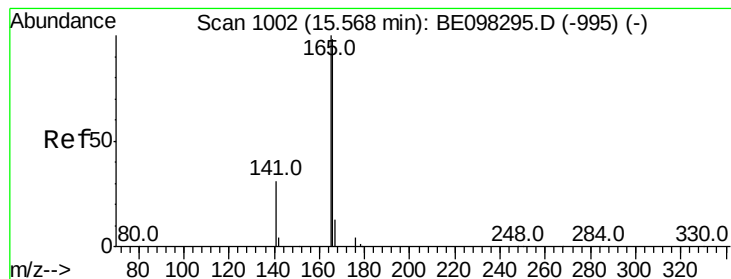
Tot Ion:172 Resp: 5271
Ion Ratio Lower Upper
172 100
171 34.1 27.5 41.3
170 22.8 19.6 29.4



#17
Acenaphthene
Concen: 1.100 ng
RT: 14.57 min Scan# 927
Delta R.T. -0.01 min
Lab File: BE098533.D
Acq: 20 Dec 2018 11:22

Tgt Ion:154 Resp: 7510
Ion Ratio Lower Upper
154 100
153 118.6 91.8 137.6
152 58.2 45.5 68.3





#18

Fluorene

Concen: 1.088 ng

RT: 15.55 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BE098533.D

Acq: 20 Dec 2018 11:22

Instrument :

BNA_E

ClientSampleId :

061_SW-N-1

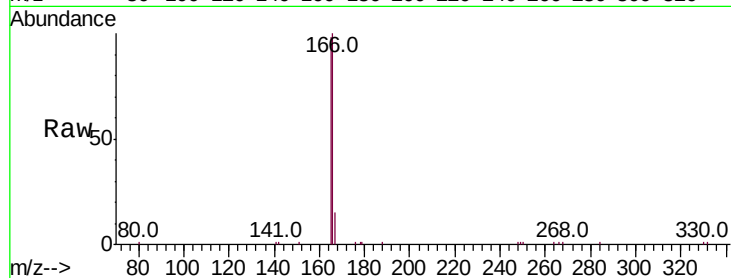
Tot Ion:166 Resp: 9944

Ion Ratio Lower Upper

166 100

165 99.6 79.3 118.9

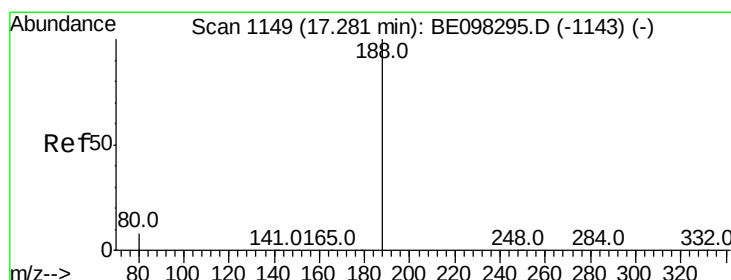
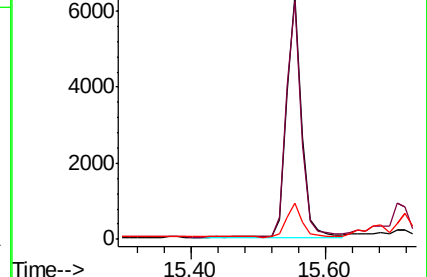
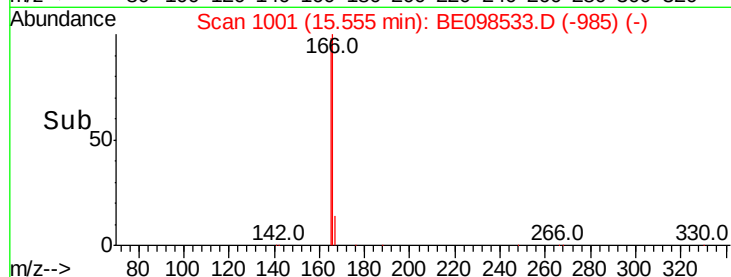
167 14.5 11.3 16.9



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: 17.26 min Scan# 1147

Delta R.T. -0.02 min

Lab File: BE098533.D

Acq: 20 Dec 2018 11:22

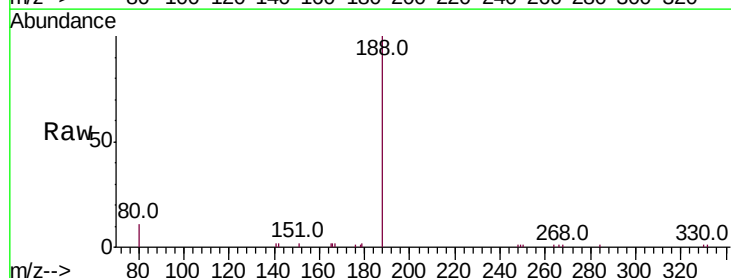
Tgt Ion:188 Resp: 7794

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

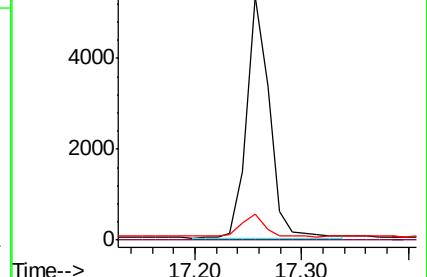
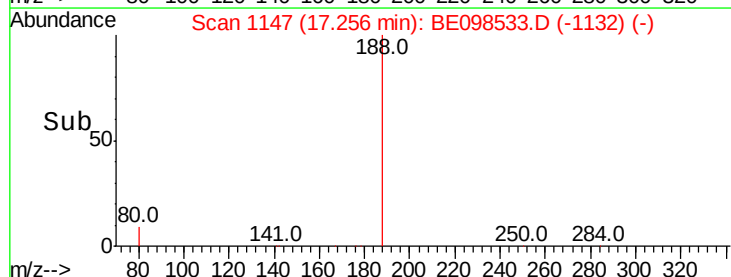
80 10.6 7.2 10.8

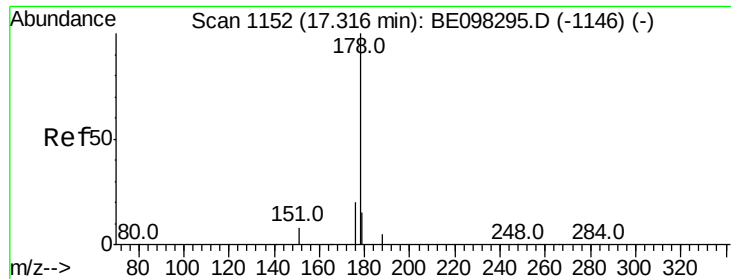


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#23

Phenanthrene

Concen: 1.353 ng

RT: 17.30 min Scan# 1151

Delta R.T. -0.01 min

Lab File: BE098533.D

Acq: 20 Dec 2018 11:22

Instrument :

BNA_E

ClientSampleId :

061_SW-N-1

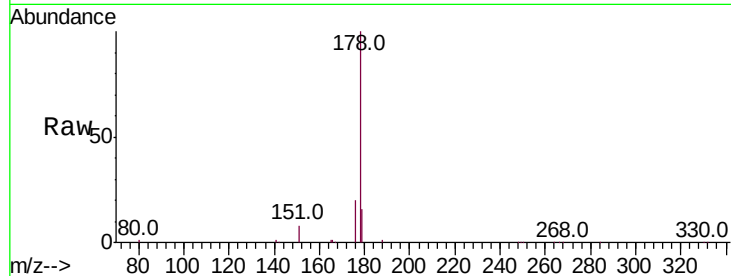
Tot Ion:178 Resp: 25622

Ion Ratio Lower Upper

178 100

176 19.6 15.9 23.9

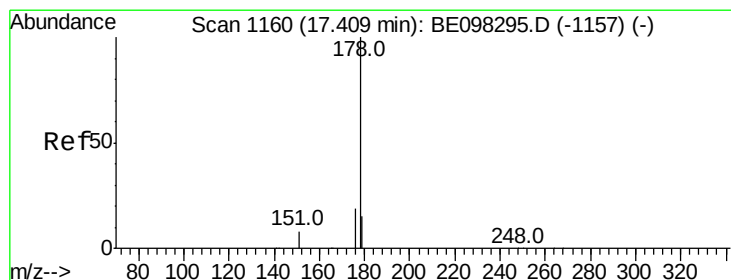
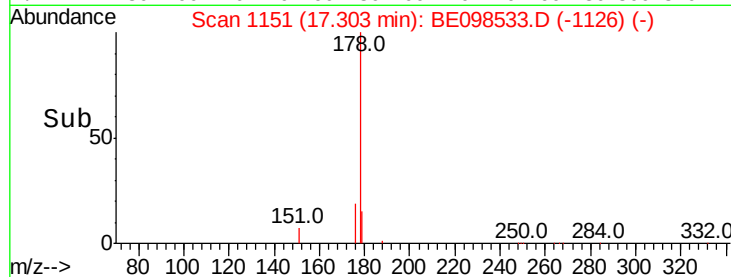
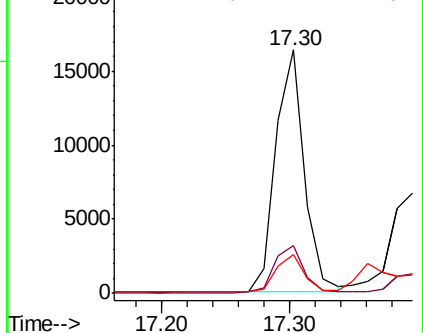
179 15.6 12.3 18.5



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: 0.643 ng

RT: 17.40 min Scan# 1159

Delta R.T. -0.01 min

Lab File: BE098533.D

Acq: 20 Dec 2018 11:22

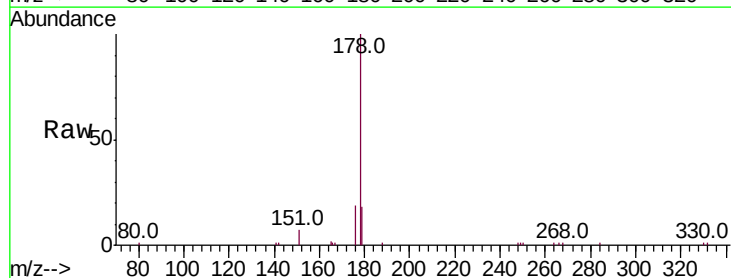
Tgt Ion:178 Resp: 10852

Ion Ratio Lower Upper

178 100

176 18.1 15.0 22.4

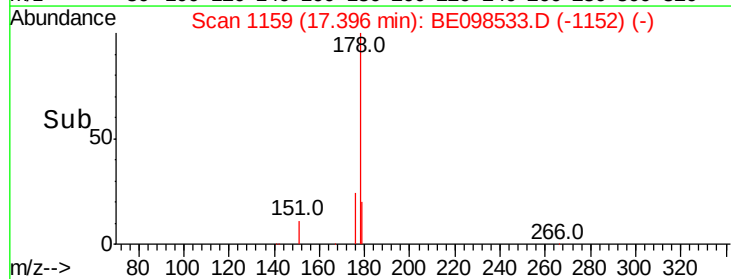
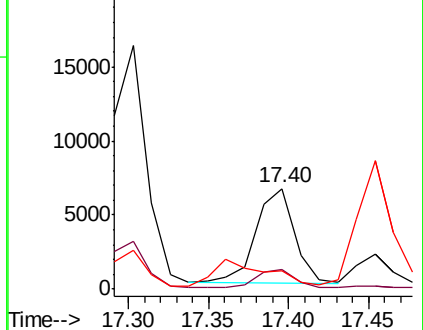
179 0.0 12.3 18.5#

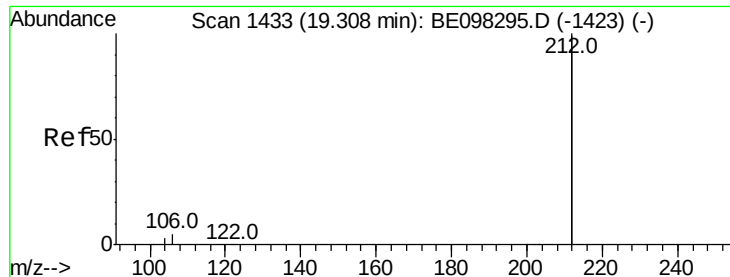


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.508 ng

RT: 19.29 min Scan# 1430

Delta R.T. -0.02 min

Lab File: BE098533.D

Acq: 20 Dec 2018 11:22

Instrument :

BNA_E

ClientSampleId :

061_SW-N-1

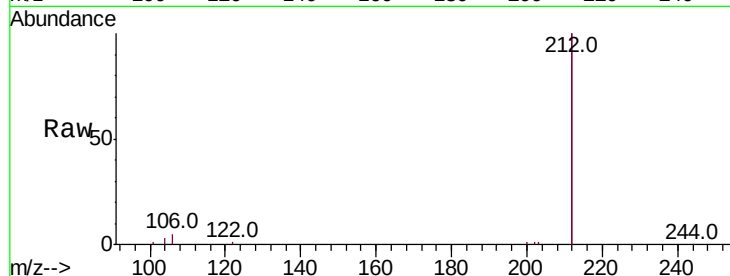
Tot Ion:212 Resp: 50747

Ion Ratio Lower Upper

212 100

106 2.4 2.2 3.2

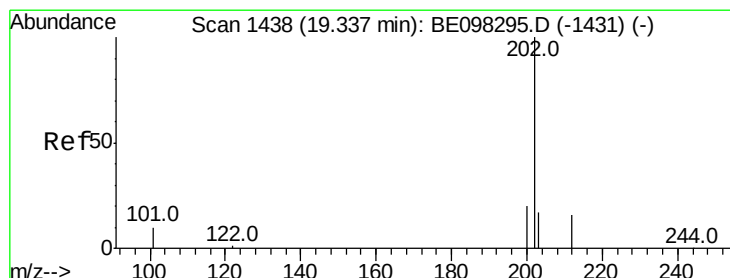
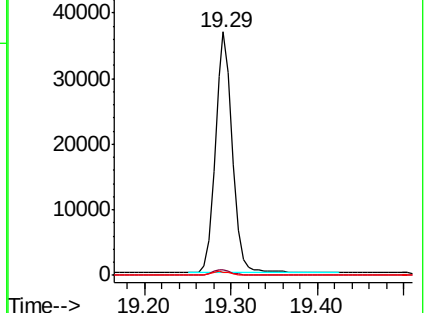
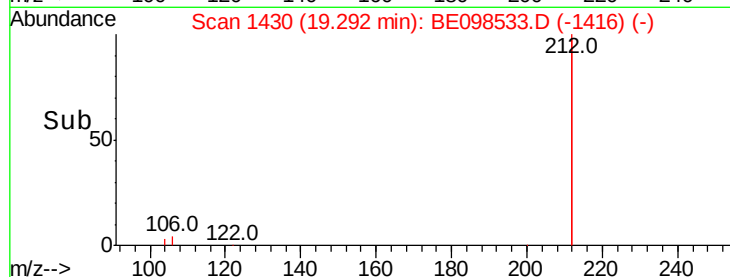
104 1.5 1.3 1.9



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



#26

Fluoranthene

Concen: 1.910 ng

RT: 19.32 min Scan# 1435

Delta R.T. -0.02 min

Lab File: BE098533.D

Acq: 20 Dec 2018 11:22

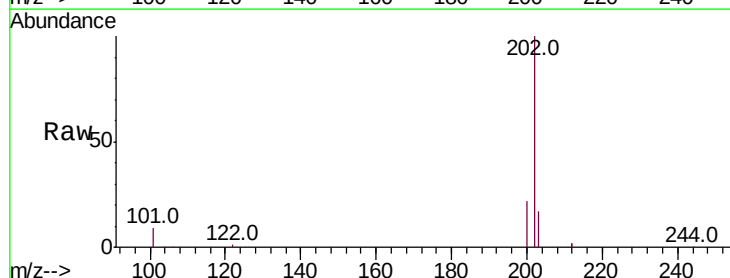
Tgt Ion:202 Resp: 47859

Ion Ratio Lower Upper

202 100

101 8.5 8.0 12.0

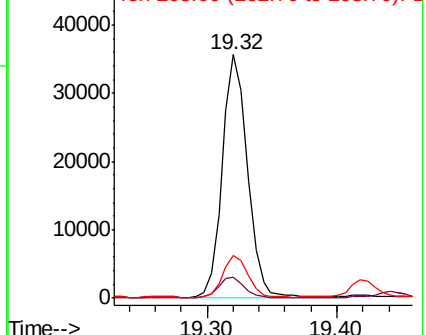
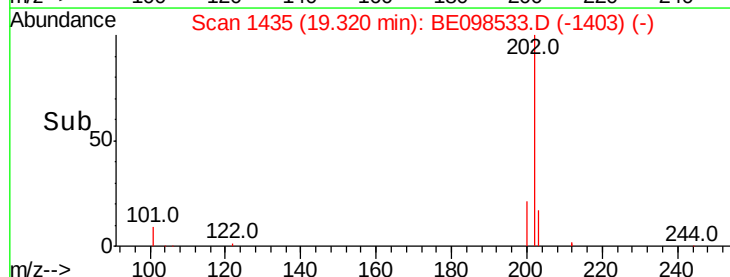
203 17.0 13.8 20.6

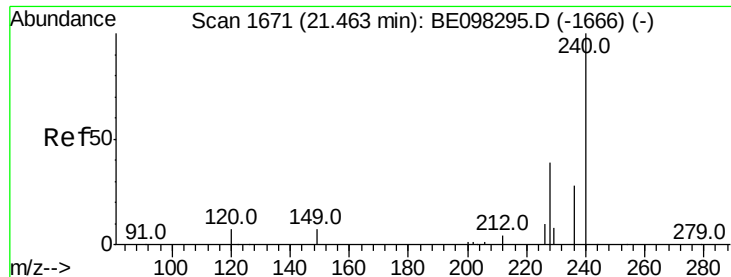


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.45 min Scan# 1670

Delta R.T. -0.01 min

Lab File: BE098533.D

Acq: 20 Dec 2018 11:22

Instrument :

BNA_E

ClientSampleId :

061_SW-N-1

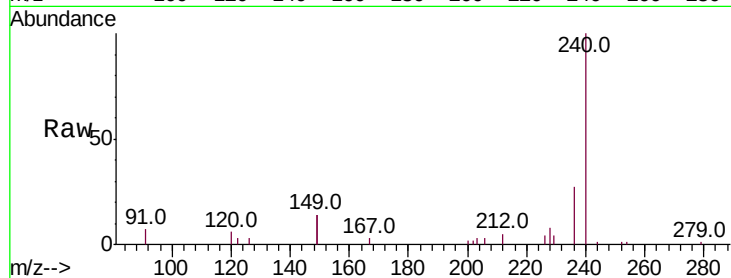
Tot Ion:240 Resp: 11494

Ion Ratio Lower Upper

240 100

120 5.6 9.5 14.3#

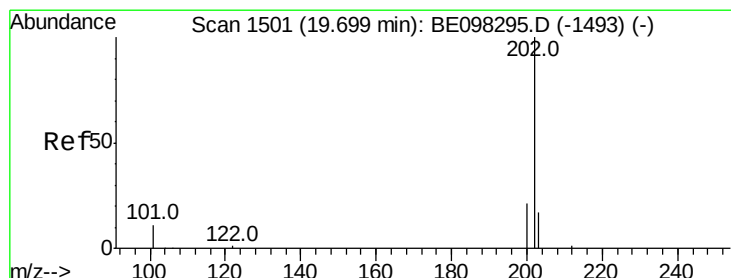
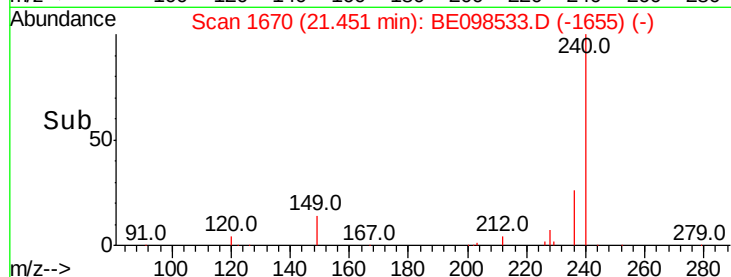
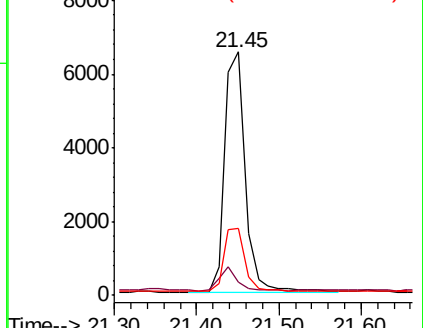
236 27.5 22.7 34.1



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: 1.281 ng

RT: 19.68 min Scan# 1498

Delta R.T. -0.02 min

Lab File: BE098533.D

Acq: 20 Dec 2018 11:22

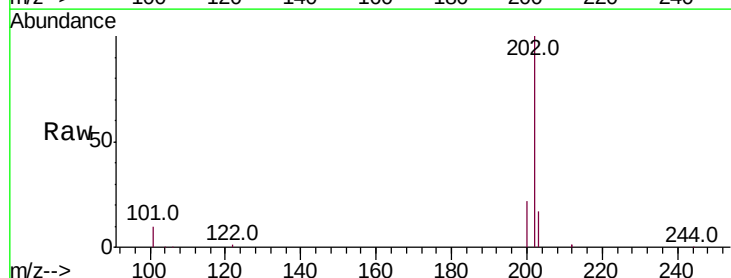
Tgt Ion:202 Resp: 46213

Ion Ratio Lower Upper

202 100

200 21.6 16.7 25.1

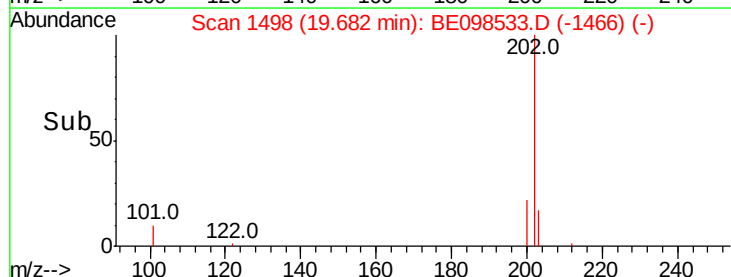
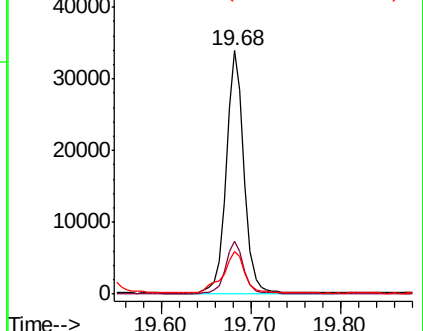
203 21.2 14.1 21.1#

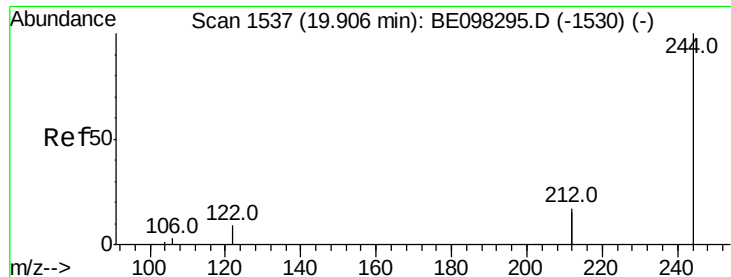


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.553 ng

RT: 19.89 min Scan# 1534

Delta R.T. -0.02 min

Lab File: BE098533.D

Acq: 20 Dec 2018 11:22

Instrument :

BNA_E

ClientSampleId :

061_SW-N-1

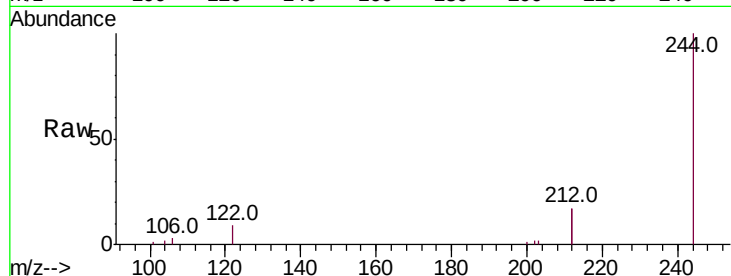
Tot Ion:244 Resp: 15456

Ion Ratio Lower Upper

244 100

212 34.8 27.4 41.0

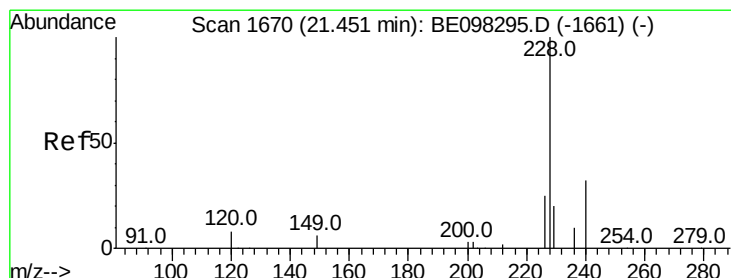
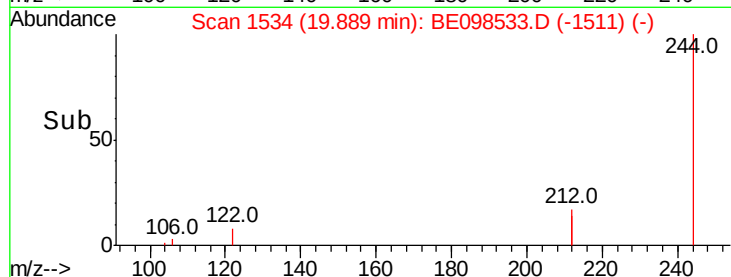
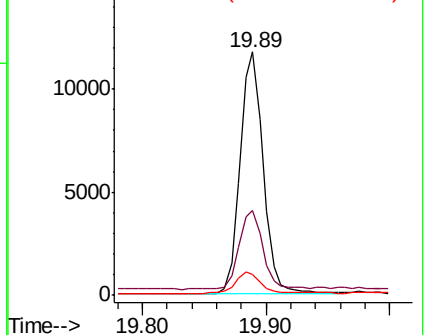
122 8.6 8.3 12.5



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: 0.093 ng

RT: 21.43 min Scan# 1668

Delta R.T. -0.02 min

Lab File: BE098533.D

Acq: 20 Dec 2018 11:22

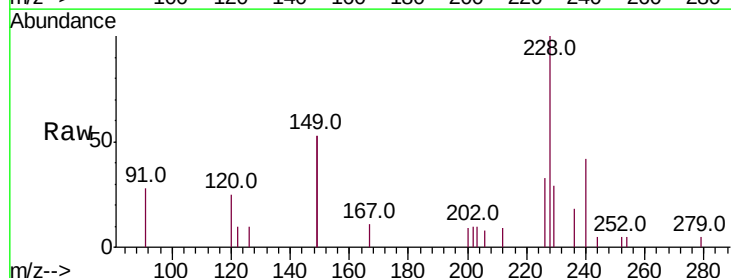
Tgt Ion:228 Resp: 3029

Ion Ratio Lower Upper

228 100

226 32.7 21.8 32.8

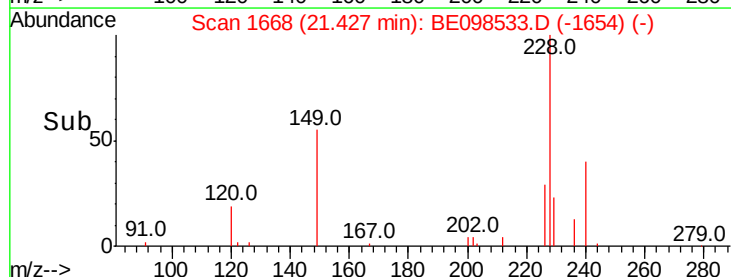
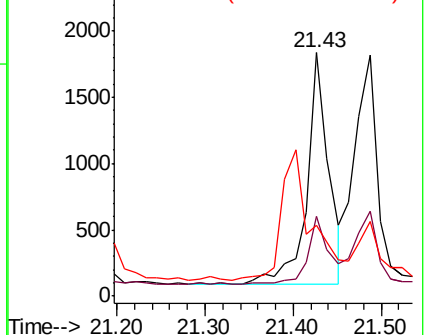
229 29.3 16.3 24.5#

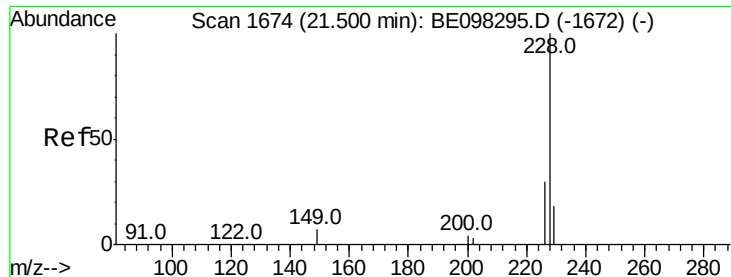


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

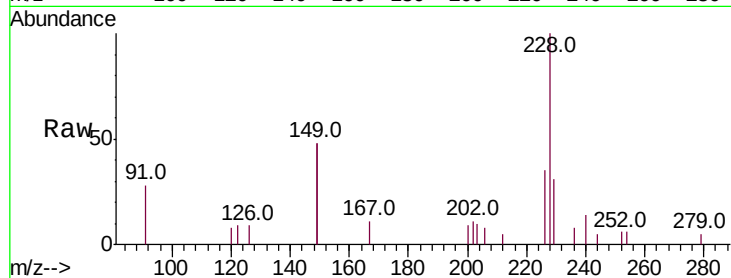




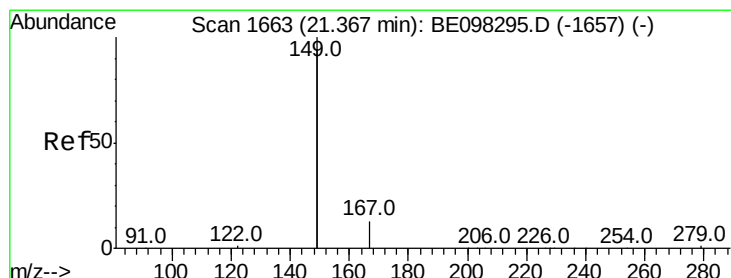
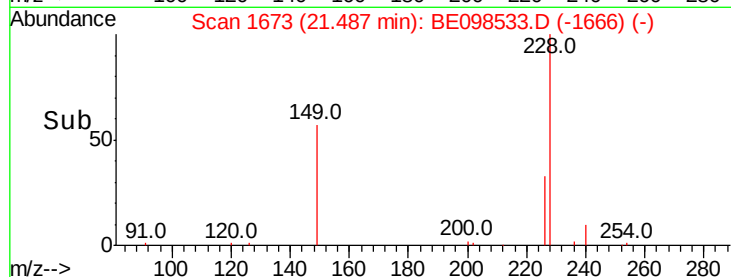
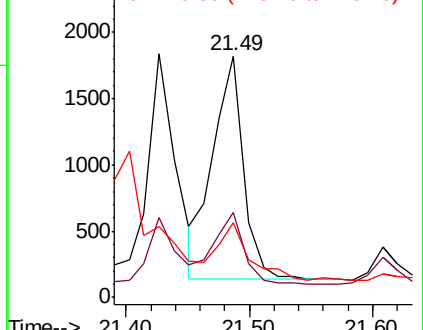
#31
 Chrysene
 Concen: 0.086 ng
 RT: 21.49 min Scan# 1673
 Delta R.T. -0.01 min
 Lab File: BE098533.D
 Acq: 20 Dec 2018 11:22

Instrument :
 BNA_E
 ClientSampleId :
 061_SW-N-1

Tot Ion:228 Resp: 2937
 Ion Ratio Lower Upper
 228 100
 226 35.2 23.4 35.0#
 229 31.0 16.2 24.4#

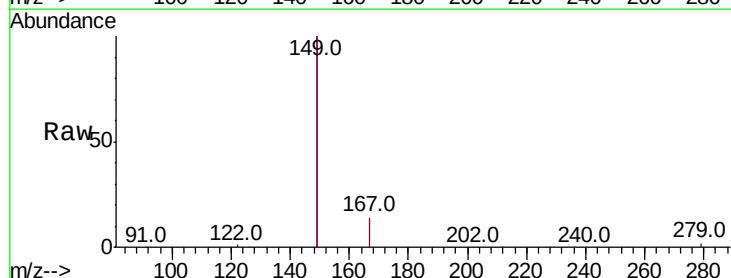


Abundance Ion 228.00 (227.70 to 228.70): E
 2500 Ion 226.00 (225.70 to 226.70): E
 2000 Ion 229.00 (228.70 to 229.70): E

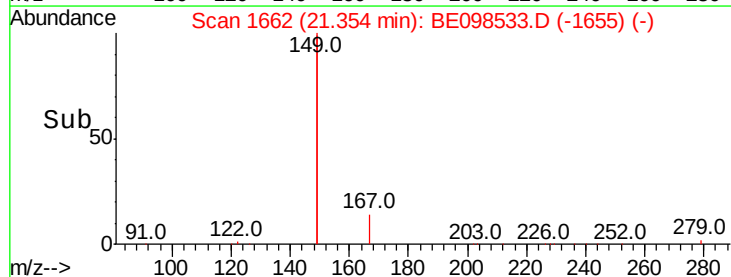
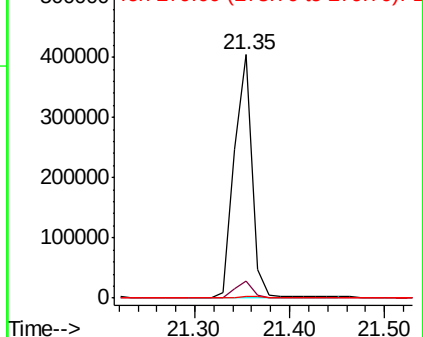


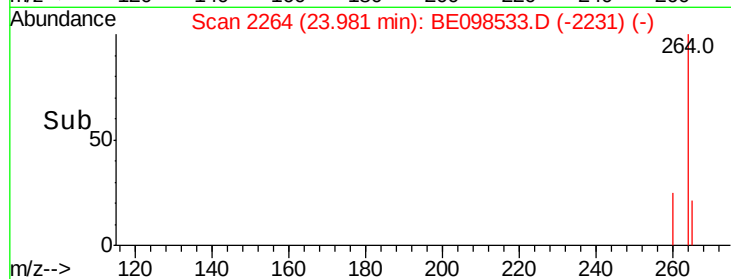
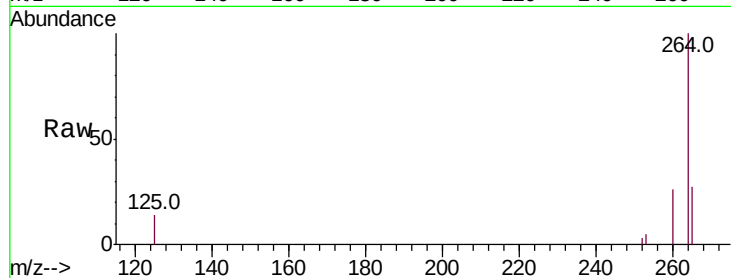
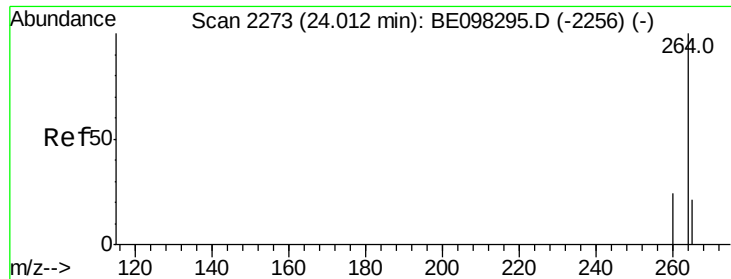
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 7.746 ng
 RT: 21.35 min Scan# 1662
 Delta R.T. -0.01 min
 Lab File: BE098533.D
 Acq: 20 Dec 2018 11:22

Tgt Ion:149 Resp: 514901
 Ion Ratio Lower Upper
 149 100
 167 6.7 5.7 8.5
 279 1.0 1.0 1.4



Abundance Ion 149.00 (148.70 to 149.70): E
 500000 Ion 167.00 (166.70 to 167.70): E
 400000 Ion 279.00 (278.70 to 279.70): E





#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.98 min Scan# 2264
 Delta R.T. -0.03 min
 Lab File: BE098533.D
 Acq: 20 Dec 2018 11:22

Instrument :
 BNA_E
 ClientSampleId :
 061_SW-N-1

Tot Ion: 264 Resp: 9834
 Ion Ratio Lower Upper
 264 100
 260 26.3 20.2 30.2
 265 26.7 25.2 37.8

