

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121818\
 Data File : BE098515.D
 Acq On : 18 Dec 2018 16:32
 Operator : SJ/JU
 Sample : J6358-12MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 BP-TT-SW4002-20181211MSD

Quant Time: Dec 19 03:18:00 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	757	0.40	ng	-0.01
7) Naphthalene-d8	10.65	136	3846	0.40	ng	-0.01
13) Acenaphthene-d10	14.51	164	2660	0.40	ng	-0.01
19) Phenanthrene-d10	17.27	188	6560	0.40	ng	-0.01
27) Chrysene-d12	21.45	240	7289	0.40	ng	-0.01
34) Perylene-d12	23.99	264	6882	0.40	ng	-0.03

System Monitoring Compounds						
4) 2-Fluorophenol	5.44	112	399	0.23	ng	0.00
5) Phenol-d6	7.03	99	404	0.16	ng	-0.01
8) Nitrobenzene-d5	9.03	82	1044	0.30	ng	0.01
11) 2-Methylnaphthalene-d10	12.25	152	2525	0.40	ng	-0.02
14) 2,4,6-Tribromophenol	16.01	330	429	0.44	ng	-0.01
15) 2-Fluorobiphenyl	13.15	172	5073	0.45	ng	0.00
25) Fluoranthene-d10	19.29	212	34814	0.41	ng	-0.02
29) Terphenyl-d14	19.89	244	9624	0.54	ng	-0.02

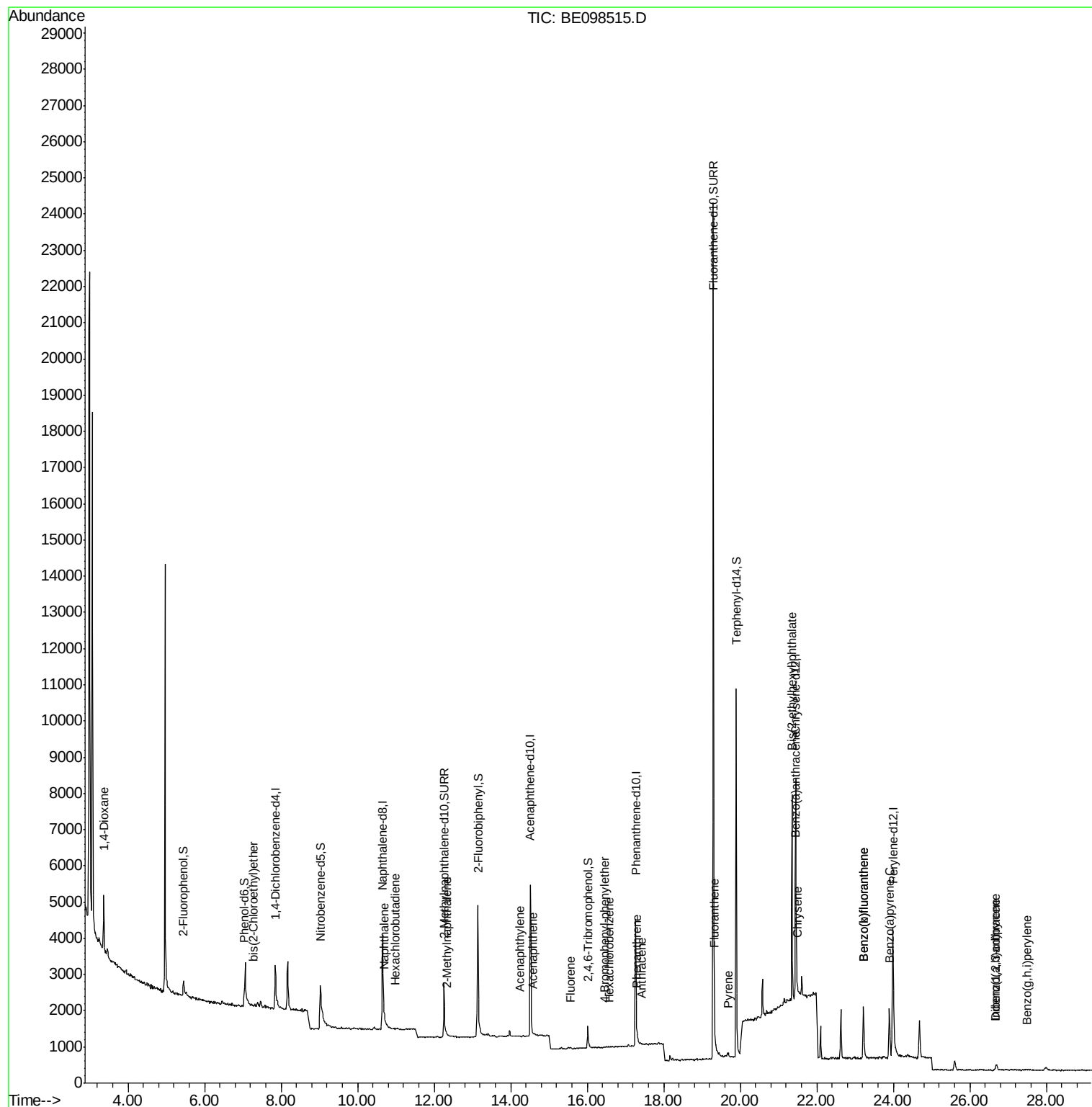
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.36	88	769	0.587	ng	# 75
6) bis(2-Chloroethyl)ether	7.28	93	24	0.010	ng	# 1
9) Naphthalene	10.70	128	463	0.012	ng	# 64
10) Hexachlorobutadiene	10.98	225	5	0.002	ng	# 12
12) 2-Methylnaphthalene	12.32	142	57	0.009	ng	# 62
16) Acenaphthylene	14.24	152	15	0.001	ng	# 1
17) Acenaphthene	14.59	154	17	0.002	ng	# 81
18) Fluorene	15.57	166	30	0.003	ng	# 79
20) 4-Bromophenyl-phenylether	16.46	248	10	0.003	ng	# 72
21) Hexachlorobenzene	16.57	284	6	0.002	ng	# 1
23) Phenanthrene	17.30	178	231	0.014	ng	# 80
24) Anthracene	17.41	178	68	0.005	ng	# 61
26) Fluoranthene	19.33	202	119	0.006	ng	# 82
28) Pyrene	19.69	202	101	0.004	ng	# 75
30) Benzo(a)anthracene	21.44	228	84	0.004	ng	# 1
31) Chrysene	21.49	228	152	0.007	ng	# 30
32) Bis(2-ethylhexyl)phthalate	21.35	149	6800	0.161	ng	98
33) Indeno(1,2,3-cd)pyrene	26.67	276	4	0.000	ng	# 1
35) Benzo(b)fluoranthene	23.22	252	323	0.017	ng	# 1
36) Benzo(k)fluoranthene	23.22	252	323	0.015	ng	# 1
37) Benzo(a)pyrene	23.90	252	292	0.015	ng	# 1
38) Dibenzo(a,h)anthracene	26.69	278	3	0.000	ng	# 1
39) Benzo(g,h,i)perylene	27.49	276	4	0.000	ng	# 1

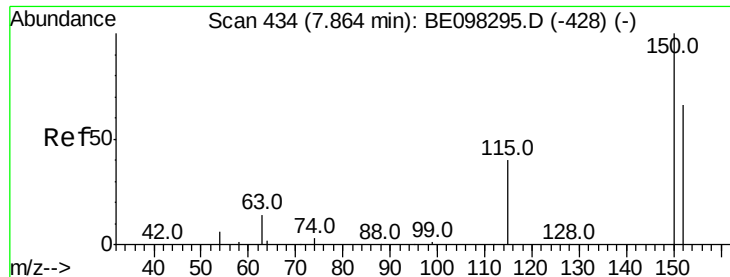
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE098515.D

Acq: 18 Dec 2018 16:32

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4002-20181211MSD

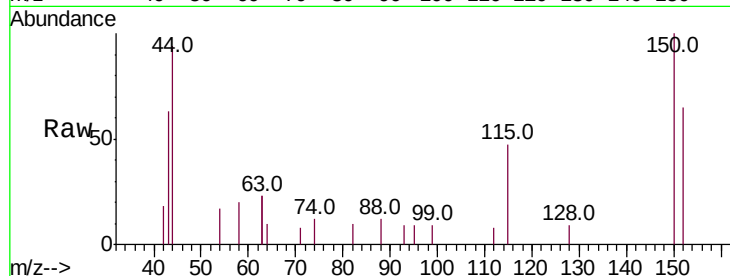
Tot Ion:152 Resp: 757

Ion Ratio Lower Upper

152 100

150 153.9 124.2 186.4

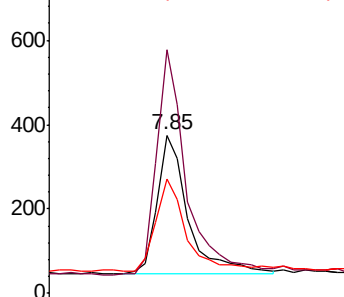
115 72.0 53.9 80.9



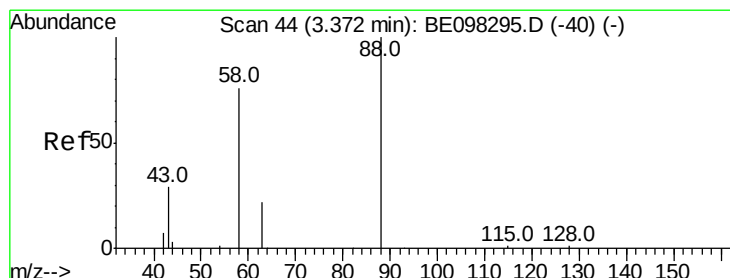
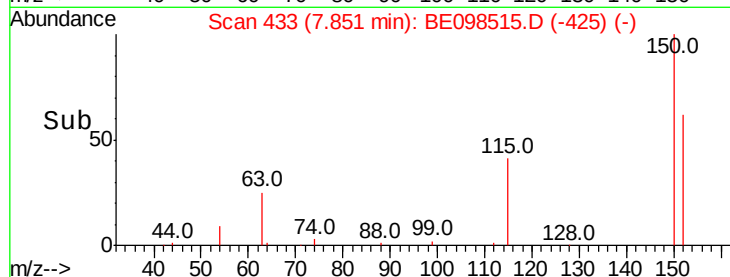
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->



#2

1,4-Dioxane

Concen: 0.587 ng

RT: 3.36 min Scan# 43

Delta R.T. -0.01 min

Lab File: BE098515.D

Acq: 18 Dec 2018 16:32

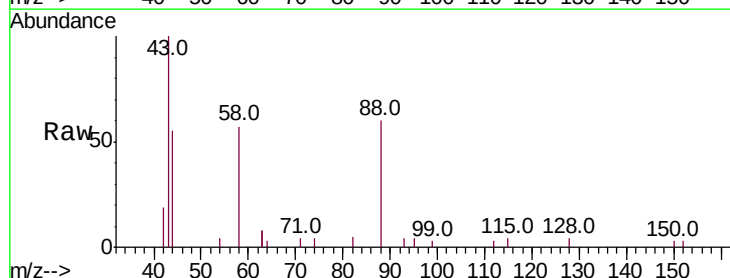
Tgt Ion: 88 Resp: 769

Ion Ratio Lower Upper

88 100

58 99.2 75.0 112.6

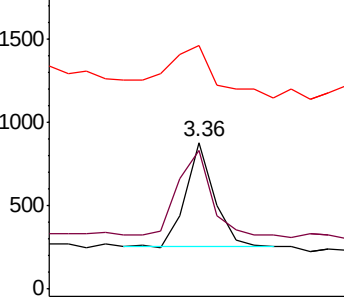
43 90.5 38.3 57.5#



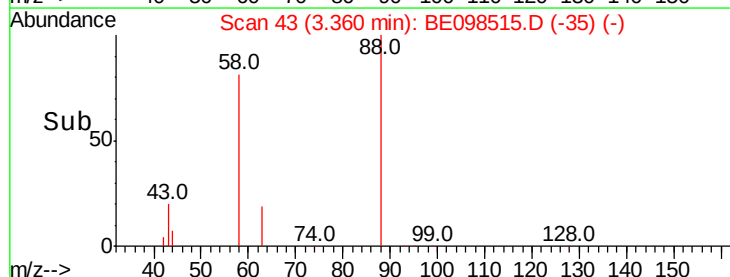
Abundance Ion 88.00 (87.70 to 88.70): BE0

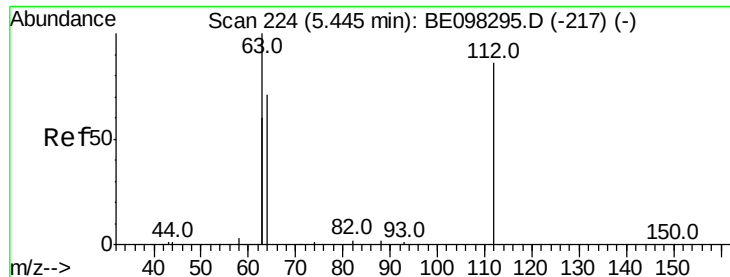
Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



Time-->





#4

2-Fluorophenol

Concen: 0.225 ng

RT: 5.44 min Scan# 224

Delta R.T. -0.00 min

Lab File: BE098515.D

Acq: 18 Dec 2018 16:32

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4002-20181211MSD

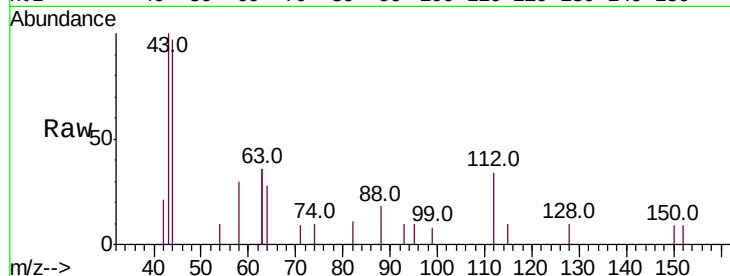
Tot Ion: 112 Resp: 399

Ion Ratio Lower Upper

112 100

64 78.2 59.8 89.8

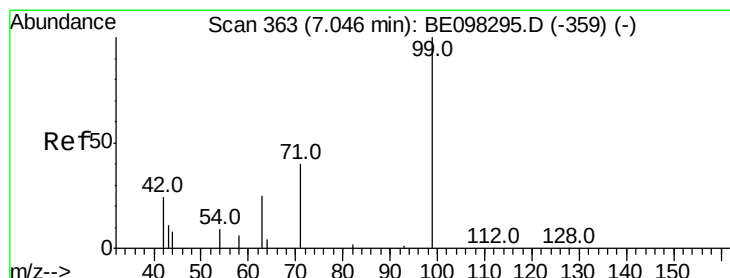
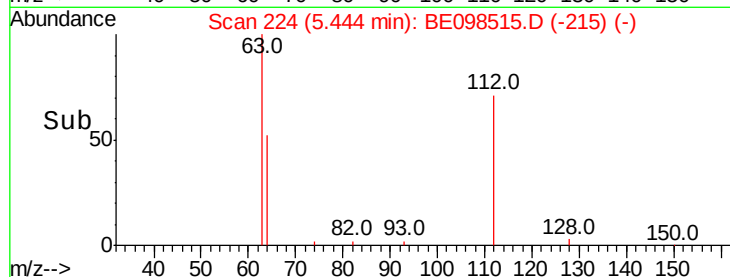
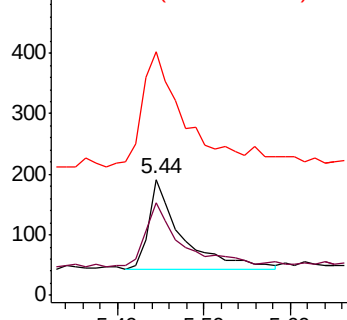
63 158.9 133.7 200.5



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: 0.161 ng

RT: 7.03 min Scan# 362

Delta R.T. -0.01 min

Lab File: BE098515.D

Acq: 18 Dec 2018 16:32

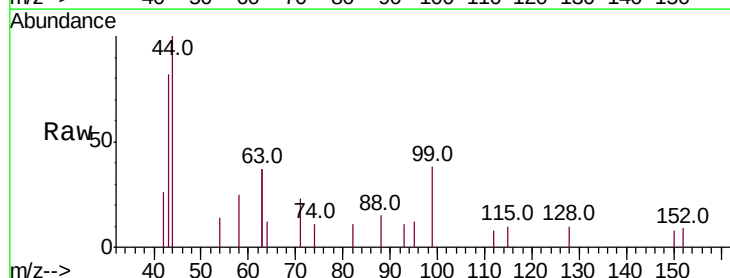
Tgt Ion: 99 Resp: 404

Ion Ratio Lower Upper

99 100

42 50.7 26.3 39.5#

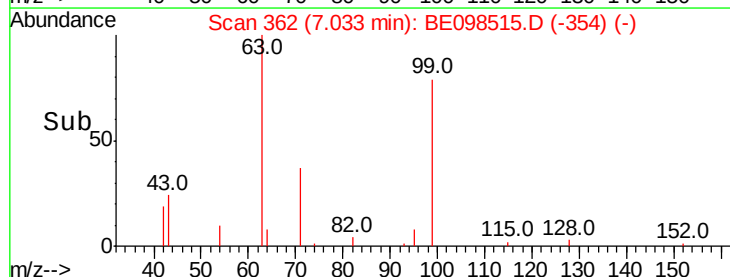
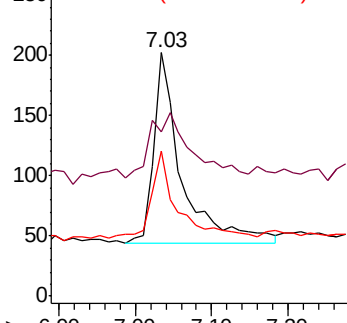
71 42.8 33.6 50.4

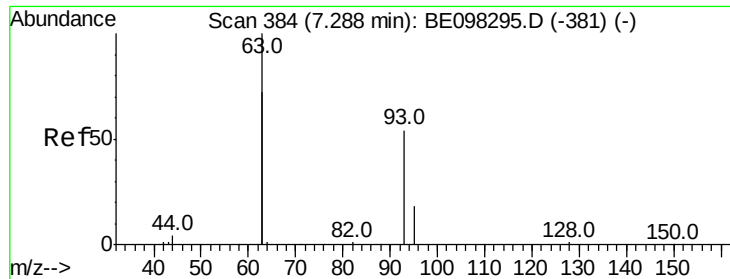


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.010 ng

RT: 7.28 min Scan# 383

Delta R.T. -0.01 min

Lab File: BE098515.D

Acq: 18 Dec 2018 16:32

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4002-20181211MSD

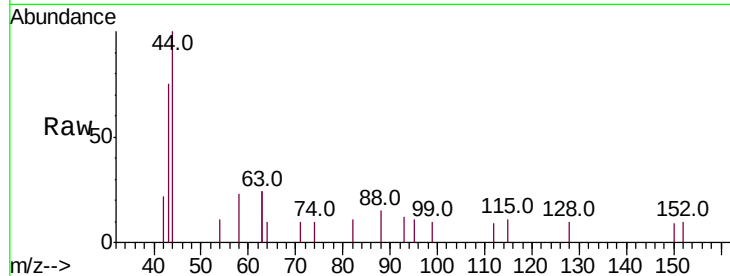
Tot Ion: 93 Resp: 24

Ion Ratio Lower Upper

93 100

63 0.0 264.4 396.6#

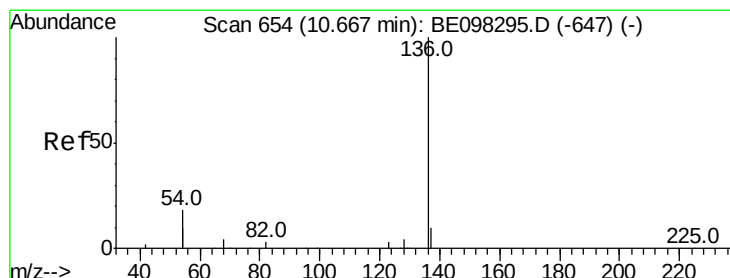
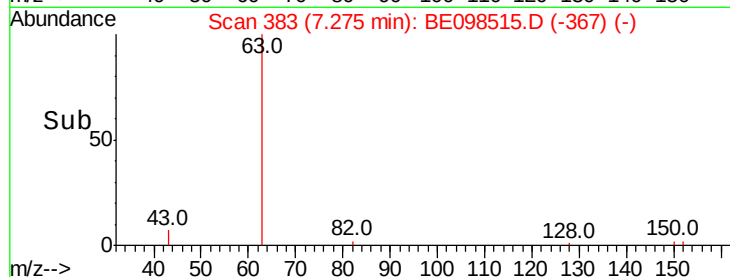
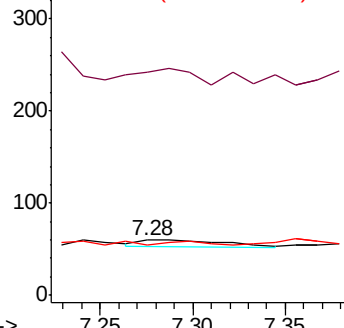
95 0.0 26.6 40.0#



Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE098515.D

Acq: 18 Dec 2018 16:32

Tgt Ion: 136 Resp: 3846

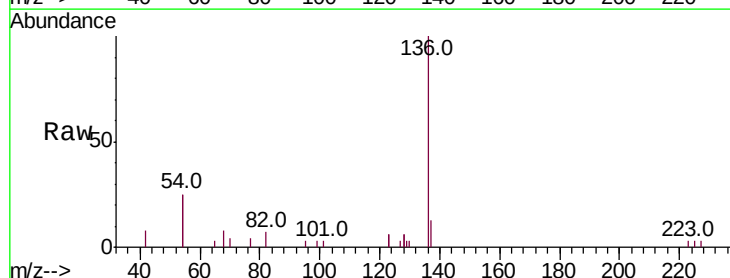
Ion Ratio Lower Upper

136 100

137 12.8 9.2 13.8

54 49.0 28.4 42.6#

68 8.4 5.4 8.0#

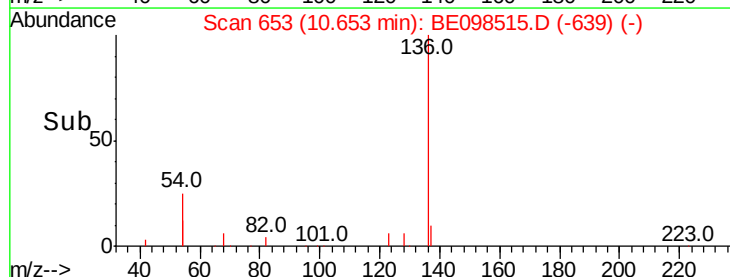
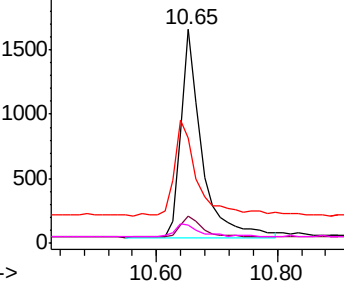


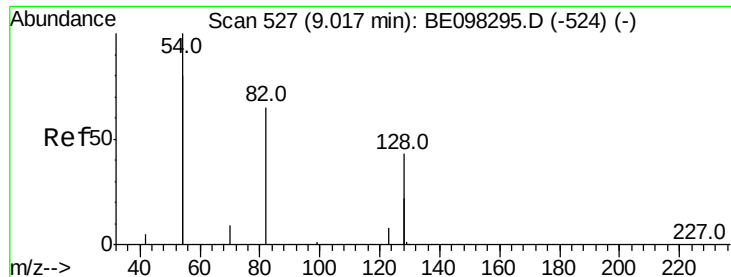
Abundance Ion 136.00 (135.70 to 136.70): E

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





#8

Nitrobenzene-d5

Concen: 0.298 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.01 min

Lab File: BE098515.D

Acq: 18 Dec 2018 16:32

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4002-20181211MSD

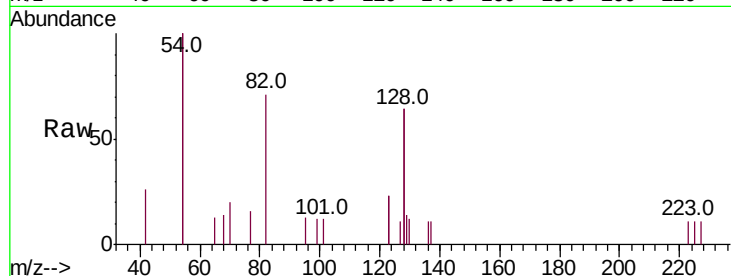
Tot Ion: 82 Resp: 1044

Ion Ratio Lower Upper

82 100

128 181.3 102.4 153.6#

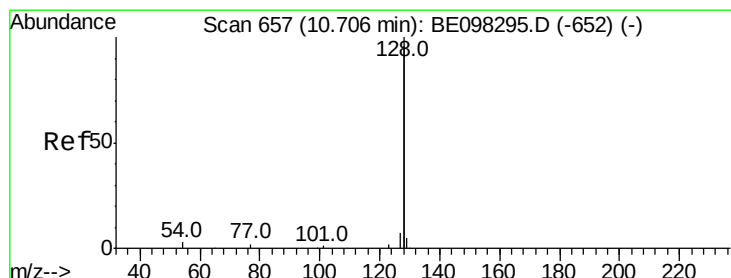
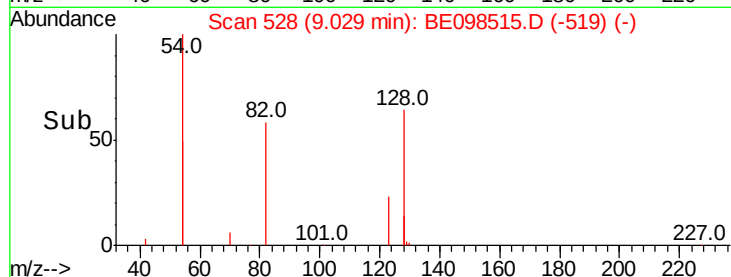
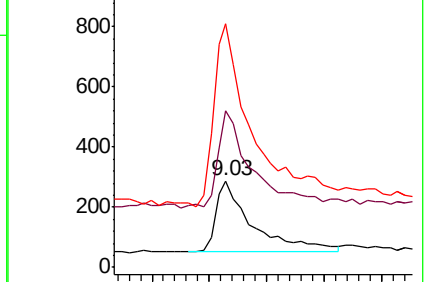
54 281.3 221.8 332.8



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#9

Naphthalene

Concen: 0.012 ng

RT: 10.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: BE098515.D

Acq: 18 Dec 2018 16:32

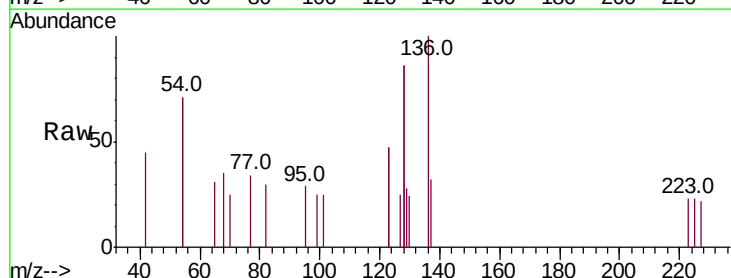
Tgt Ion: 128 Resp: 463

Ion Ratio Lower Upper

128 100

129 16.1 2.5 3.7#

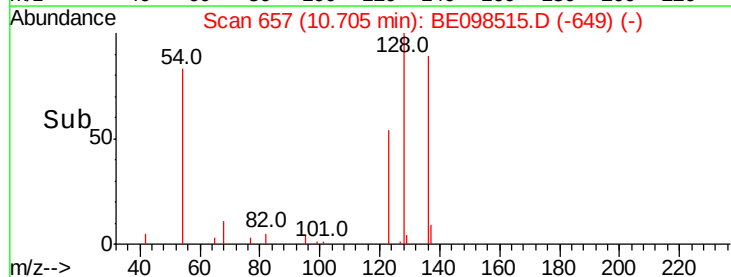
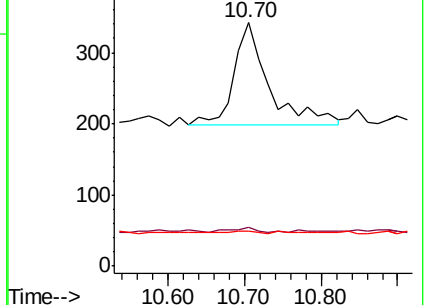
127 14.6 2.7 4.1#

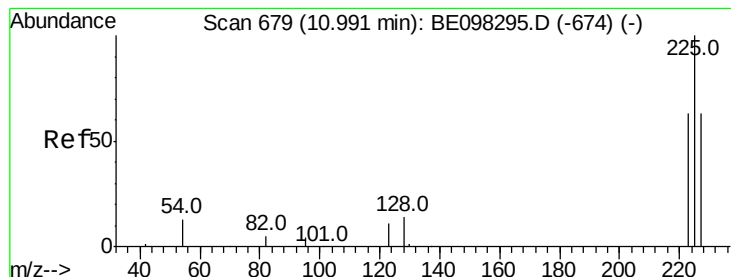


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#10

Hexachlorobutadiene

Concen: 0.002 ng

RT: 10.98 min Scan# 678

Delta R.T. -0.01 min

Lab File: BE098515.D

Acq: 18 Dec 2018 16:32

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4002-20181211MSD

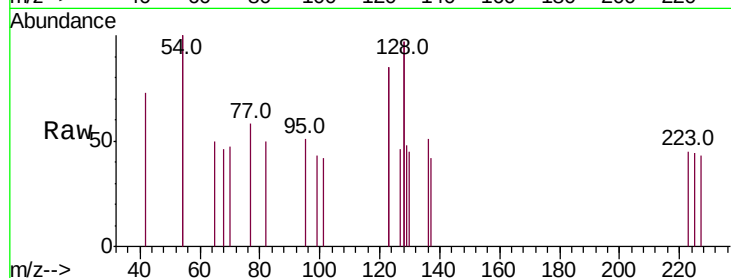
Tot Ion:225 Resp: 5

Ion Ratio Lower Upper

225 100

223 0.0 49.4 74.0#

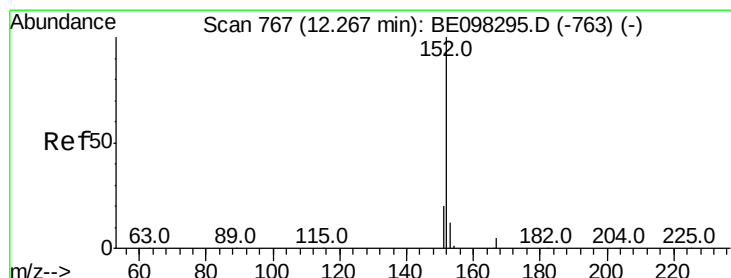
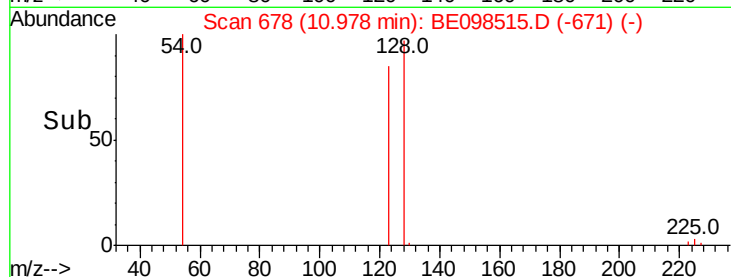
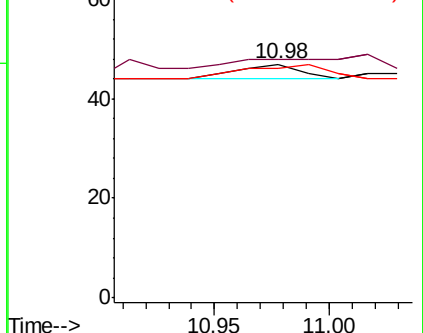
227 140.0 52.0 78.0#



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: 0.404 ng

RT: 12.25 min Scan# 766

Delta R.T. -0.02 min

Lab File: BE098515.D

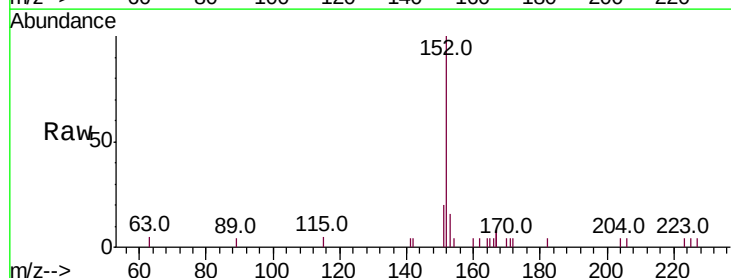
Acq: 18 Dec 2018 16:32

Tgt Ion:152 Resp: 2525

Ion Ratio Lower Upper

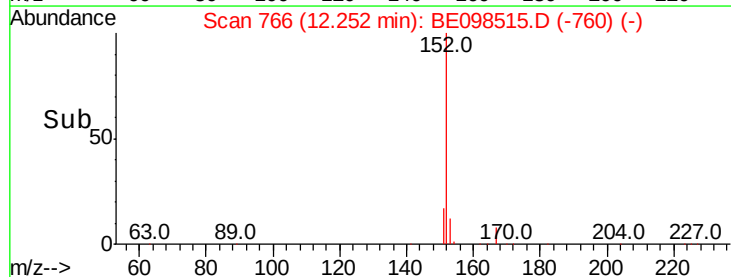
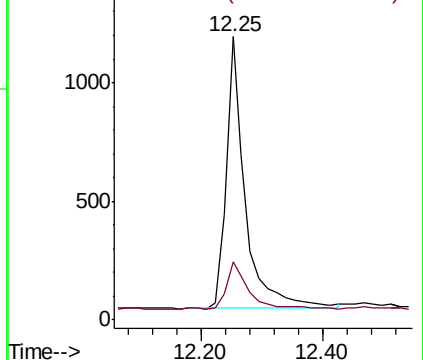
152 100

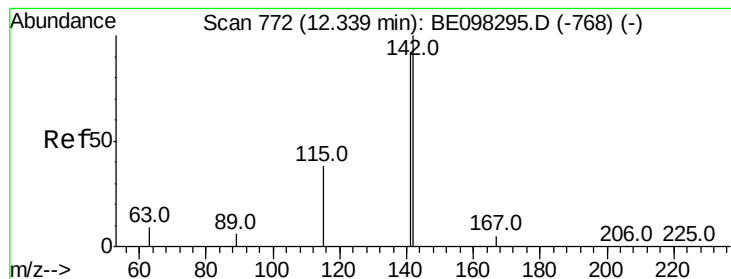
151 17.7 16.2 24.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.009 ng

RT: 12.32 min Scan# 771

Delta R.T. -0.02 min

Lab File: BE098515.D

Acq: 18 Dec 2018 16:32

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4002-20181211MSD

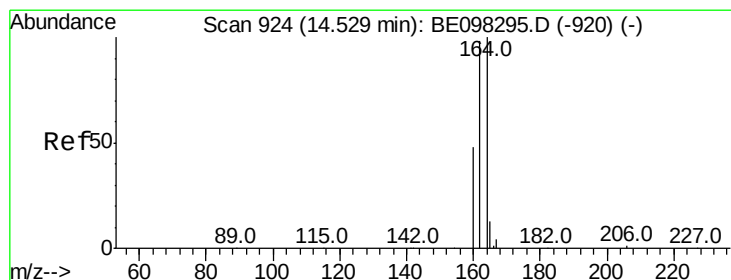
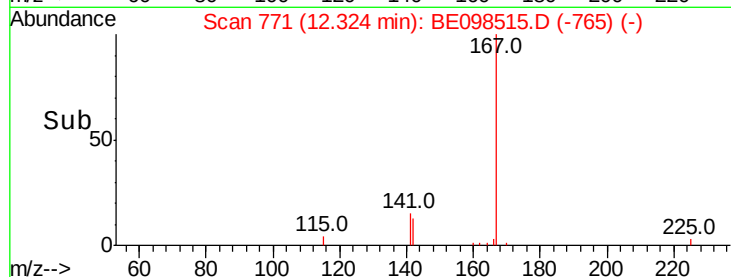
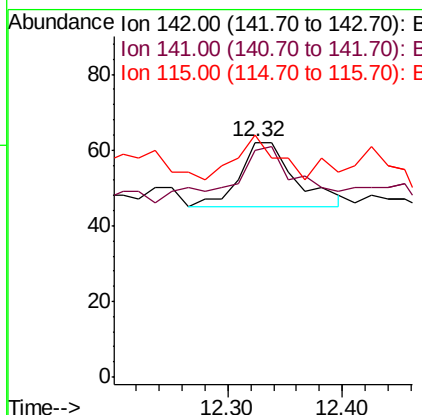
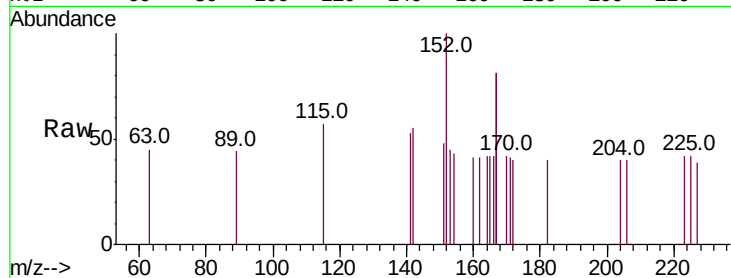
Tot Ion:142 Resp: 57

Ion Ratio Lower Upper

142 100

141 96.8 71.0 106.6

115 103.2 32.2 48.2#



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.51 min Scan# 923

Delta R.T. -0.01 min

Lab File: BE098515.D

Acq: 18 Dec 2018 16:32

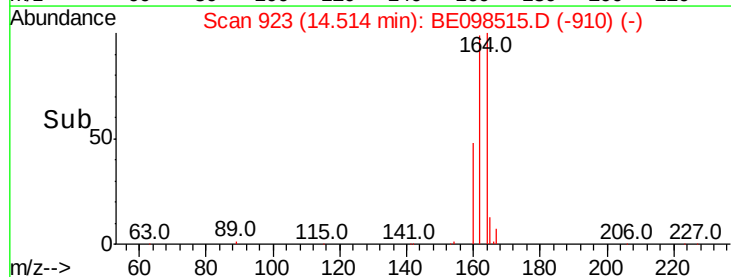
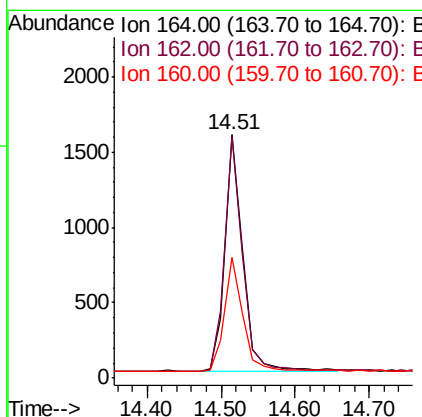
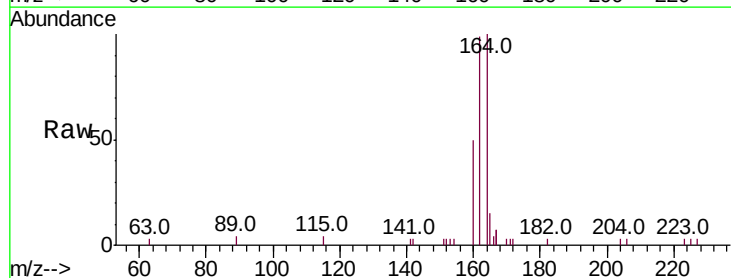
Tgt Ion:164 Resp: 2660

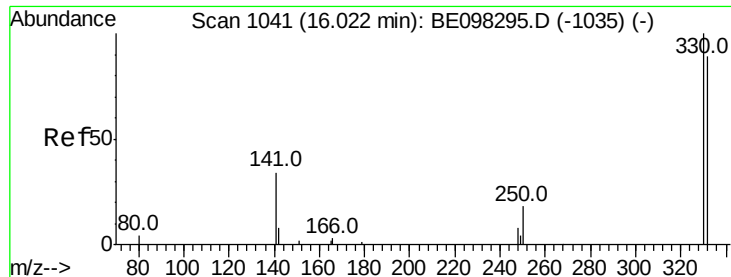
Ion Ratio Lower Upper

164 100

162 99.3 77.6 116.4

160 49.5 36.0 54.0





#14

2,4,6-Tribromophenol

Concen: 0.439 ng

RT: 16.01 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BE098515.D

Acq: 18 Dec 2018 16:32

Instrument :

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ClientSampleId :

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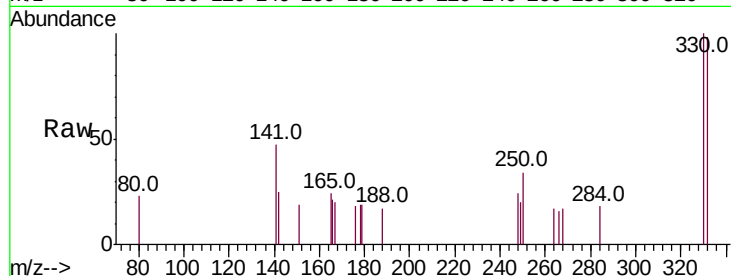
Tot Ion:330 Resp: 429

Ion Ratio Lower Upper

330 100

332 106.5 76.2 114.4

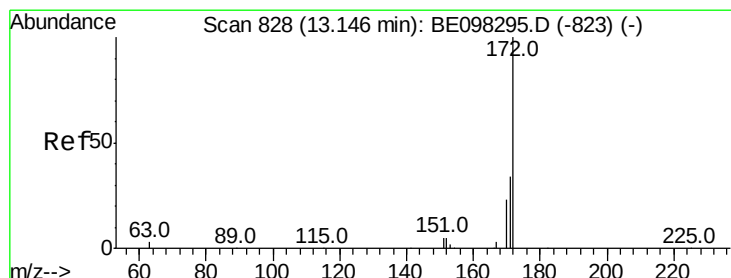
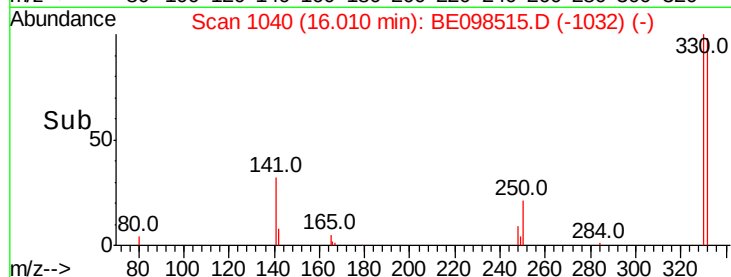
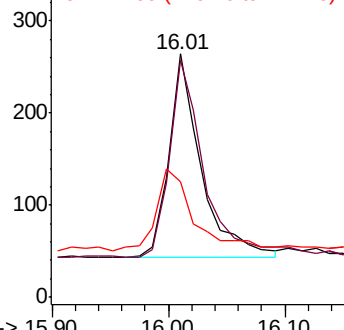
141 45.5 39.0 58.4



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: 0.452 ng

RT: 13.15 min Scan# 828

Delta R.T. -0.00 min

Lab File: BE098515.D

Acq: 18 Dec 2018 16:32

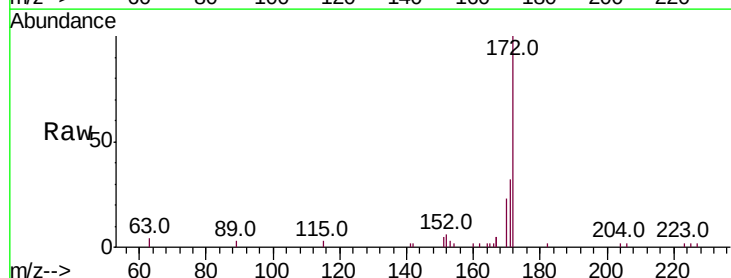
Tgt Ion:172 Resp: 5073

Ion Ratio Lower Upper

172 100

171 31.9 27.5 41.3

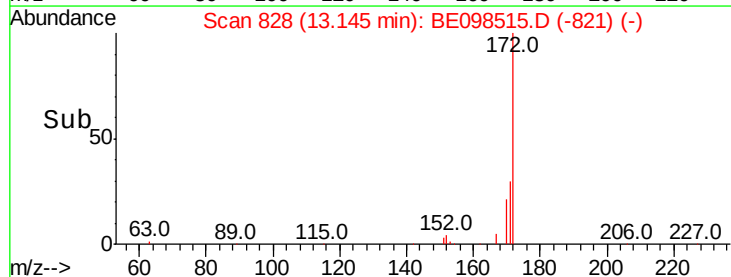
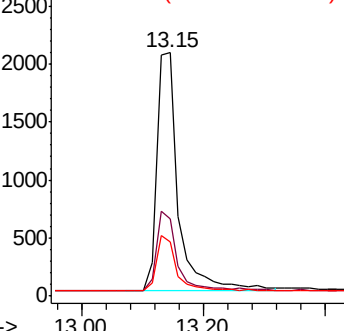
170 22.5 19.6 29.4

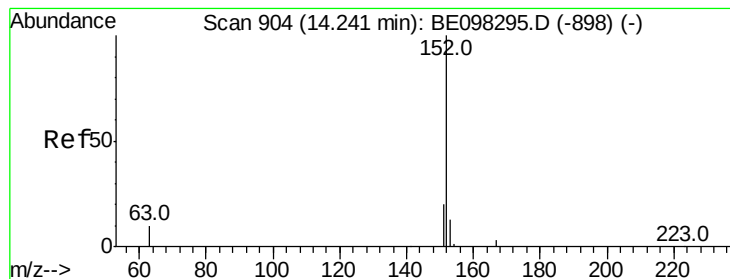


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#16

Acenaphthylene

Concen: 0.001 ng

RT: 14.24 min Scan# 904

Delta R.T. -0.00 min

Lab File: BE098515.D

Acq: 18 Dec 2018 16:32

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4002-20181211MSD

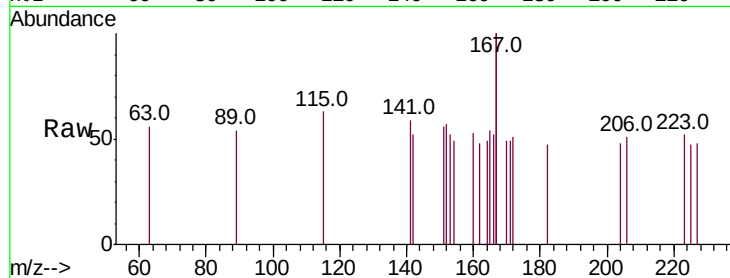
Tot Ion:152 Resp: 15

Ion Ratio Lower Upper

152 100

151 60.0 15.5 23.3#

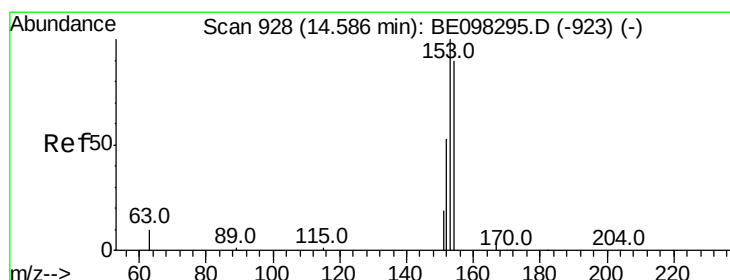
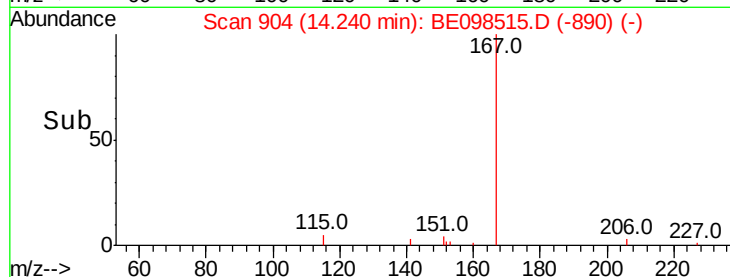
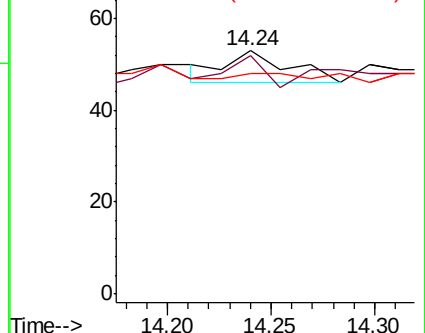
153 66.7 10.6 16.0#



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: 0.002 ng

RT: 14.59 min Scan# 928

Delta R.T. -0.00 min

Lab File: BE098515.D

Acq: 18 Dec 2018 16:32

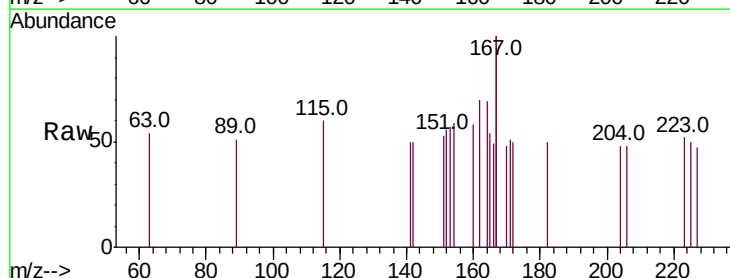
Tgt Ion:154 Resp: 17

Ion Ratio Lower Upper

154 100

153 94.1 91.8 137.6

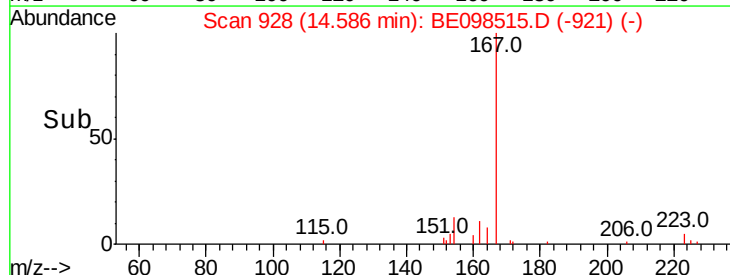
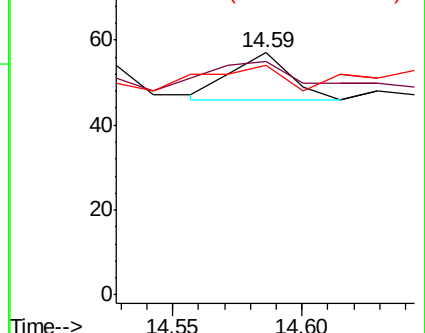
152 70.6 45.5 68.3#

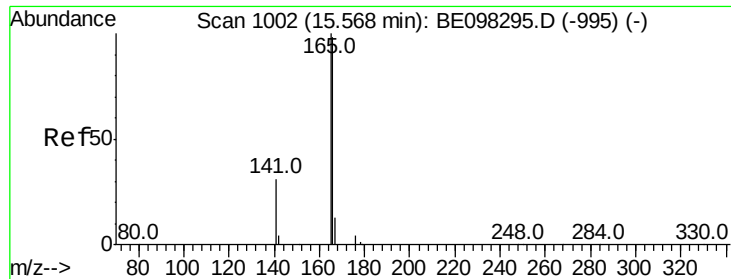


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

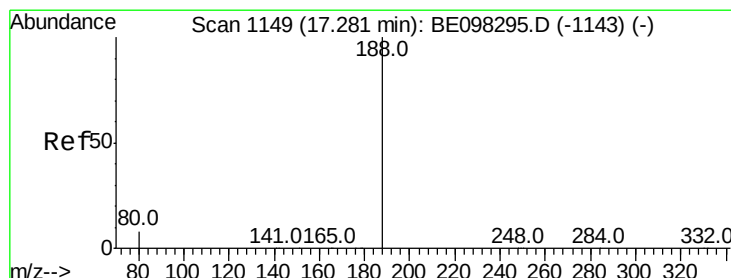
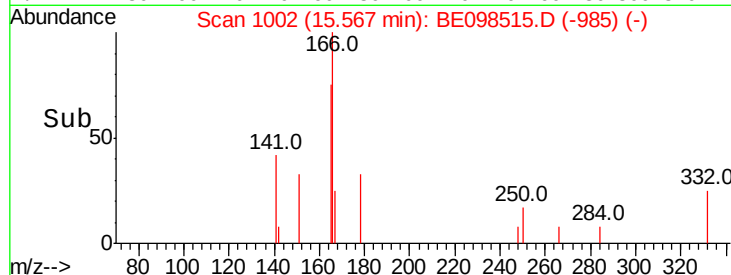
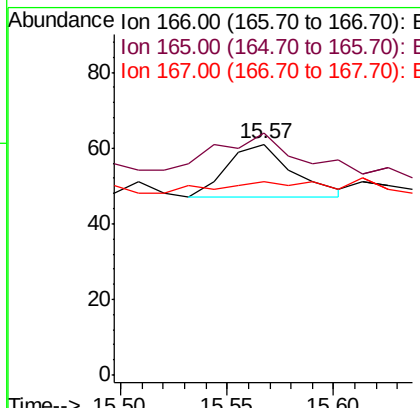
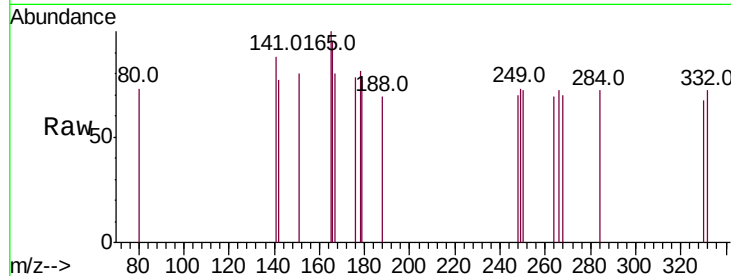




#18
 Fluorene
 Concen: 0.003 ng
 RT: 15.57 min Scan# 1002
 Delta R.T. -0.00 min
 Lab File: BE098515.D
 Acq: 18 Dec 2018 16:32

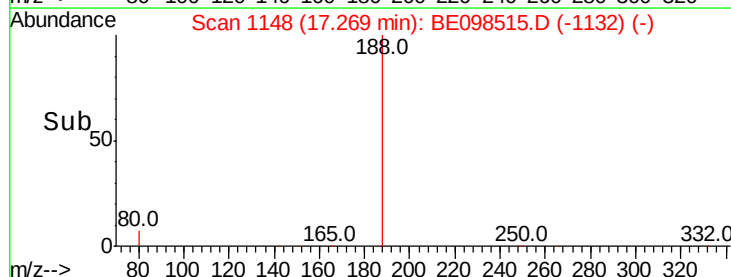
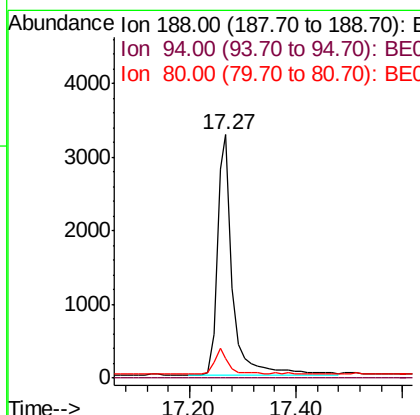
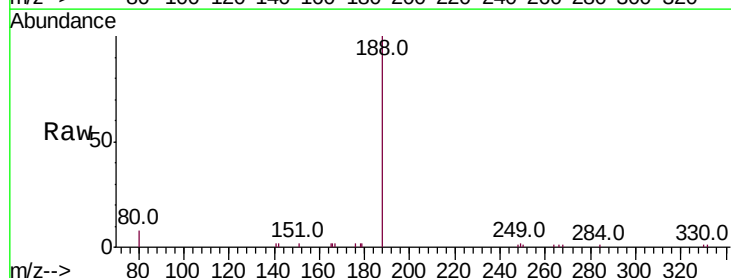
Instrument :
 BNA_E
 ClientSampleId :
 BP-TT-SW4002-20181211MSD

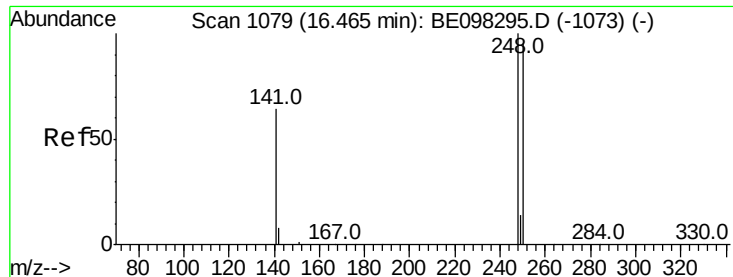
Tot Ion:166 Resp: 30
 Ion Ratio Lower Upper
 166 100
 165 120.0 79.3 118.9#
 167 23.3 11.3 16.9#



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.27 min Scan# 1148
 Delta R.T. -0.01 min
 Lab File: BE098515.D
 Acq: 18 Dec 2018 16:32

Tgt Ion:188 Resp: 6560
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 8.2 7.2 10.8





#20

4-Bromophenyl-phenylether

Concen: 0.003 ng

RT: 16.46 min Scan# 1079

Delta R.T. -0.00 min

Lab File: BE098515.D

Acq: 18 Dec 2018 16:32

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4002-20181211MSD

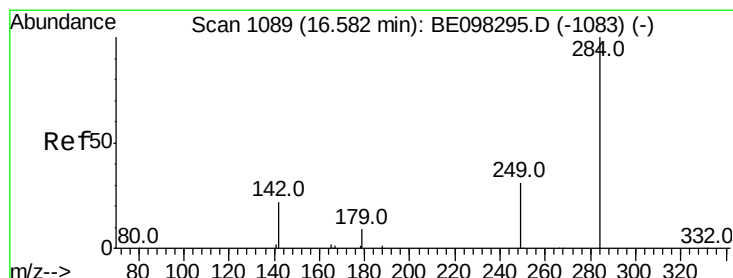
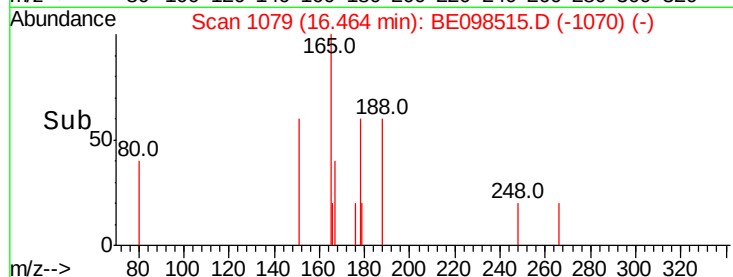
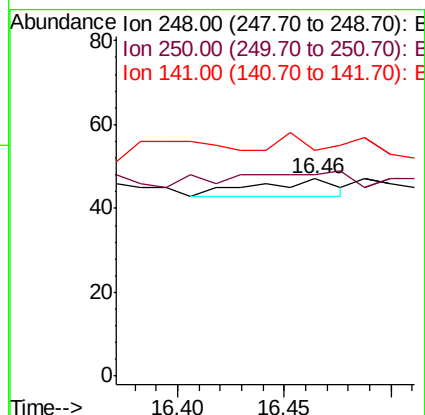
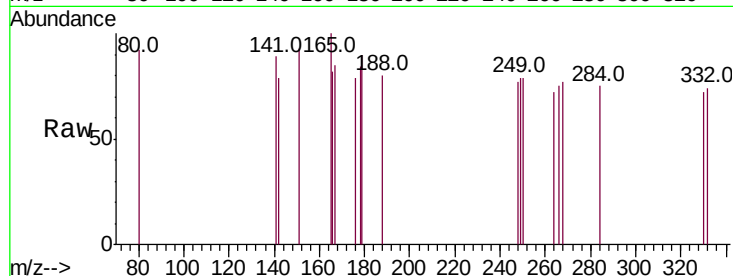
Tot Ion:248 Resp: 10

Ion Ratio Lower Upper

248 100

250 102.1 71.0 106.6

141 114.9 62.1 93.1#



#21

Hexachlorobenzene

Concen: 0.002 ng

RT: 16.57 min Scan# 1088

Delta R.T. -0.01 min

Lab File: BE098515.D

Acq: 18 Dec 2018 16:32

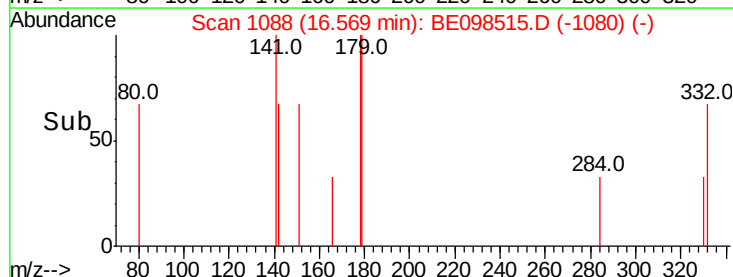
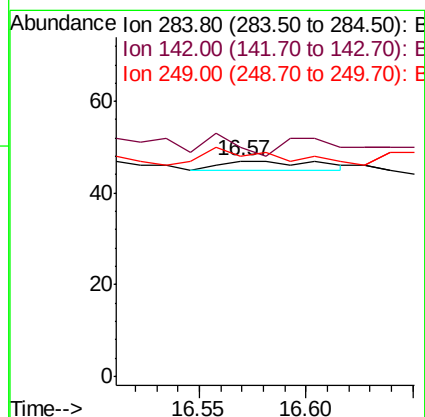
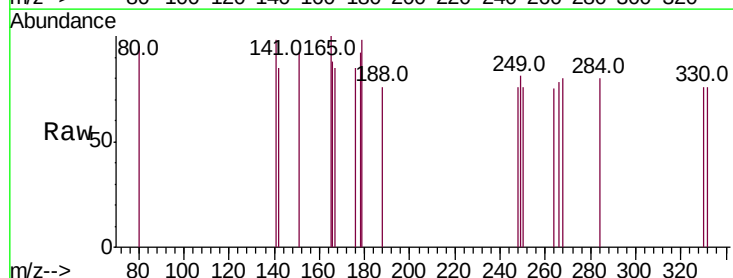
Tgt Ion:284 Resp: 6

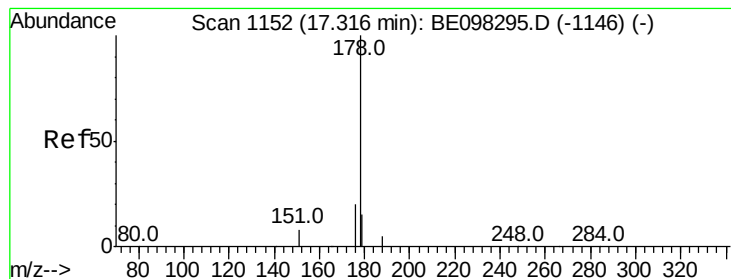
Ion Ratio Lower Upper

284 100

142 0.0 26.3 39.5#

249 166.7 26.0 39.0#





#23

Phenanthrene

Concen: 0.014 ng

RT: 17.30 min Scan# 1151

Delta R.T. -0.01 min

Lab File: BE098515.D

Acq: 18 Dec 2018 16:32

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4002-20181211MSD

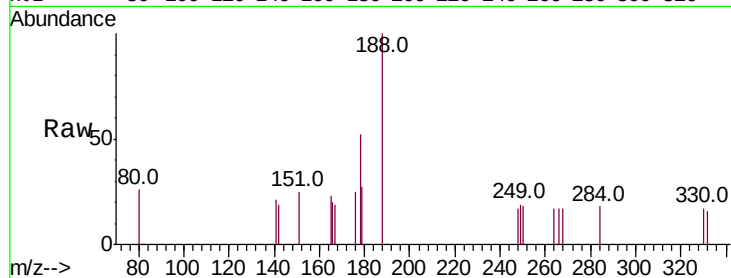
Tot Ion:178 Resp: 231

Ion Ratio Lower Upper

178 100

176 17.7 15.9 23.9

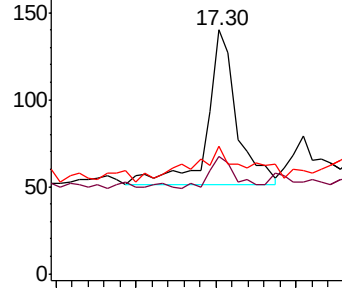
179 32.0 12.3 18.5#



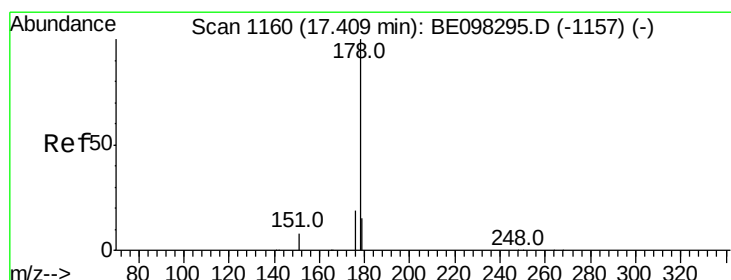
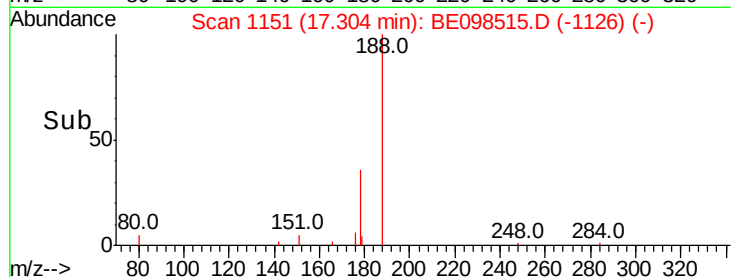
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 17.10 17.20 17.30 17.40



#24

Anthracene

Concen: 0.005 ng

RT: 17.41 min Scan# 1160

Delta R.T. -0.00 min

Lab File: BE098515.D

Acq: 18 Dec 2018 16:32

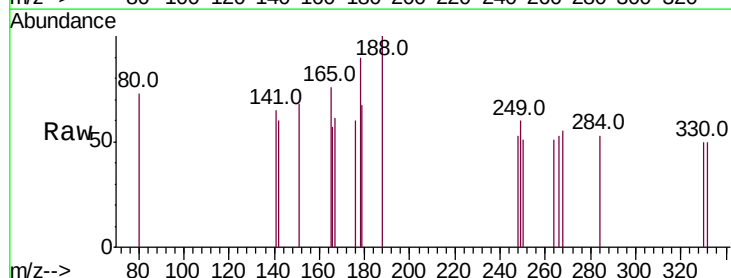
Tgt Ion:178 Resp: 68

Ion Ratio Lower Upper

178 100

176 0.0 15.0 22.4#

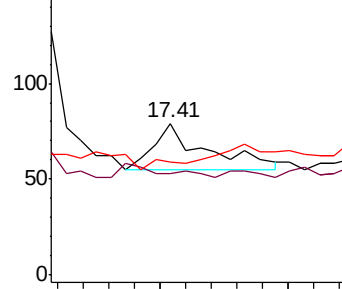
179 0.0 12.3 18.5#



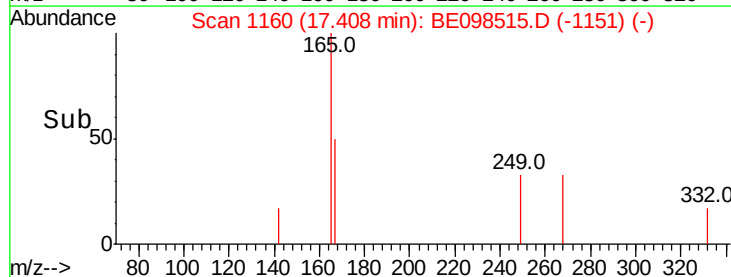
Abundance Ion 178.00 (177.70 to 178.70): E

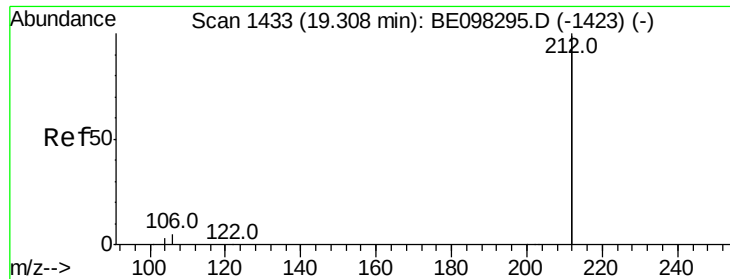
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 17.40 17.50

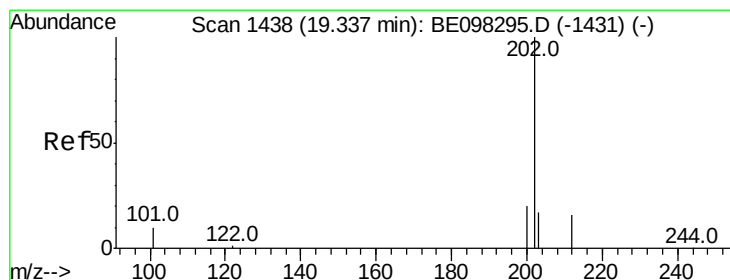
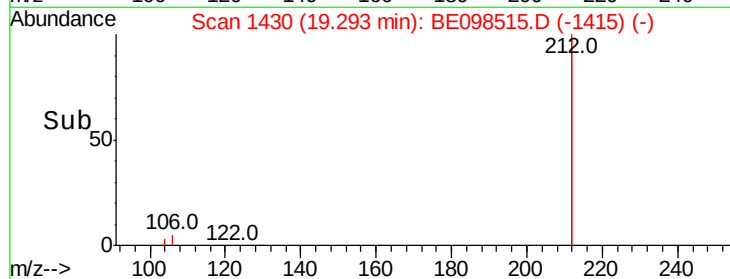
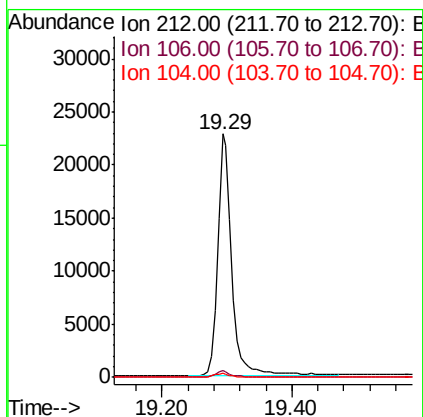
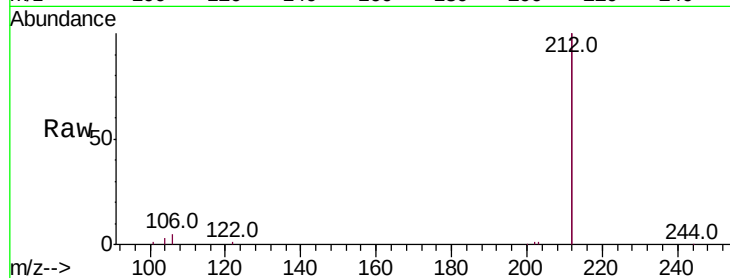




#25
 Fluoranthene-d10
 Concen: 0.414 ng
 RT: 19.29 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BE098515.D
 Acq: 18 Dec 2018 16:32

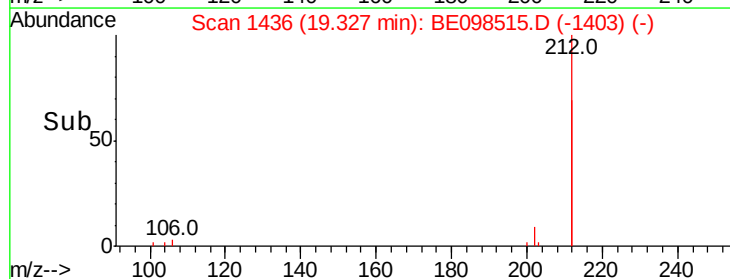
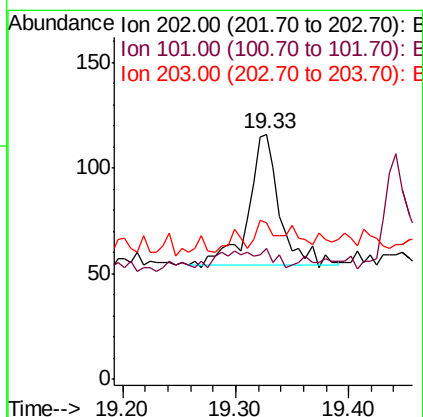
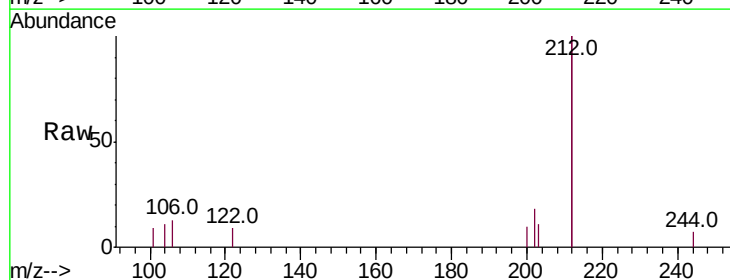
Instrument :
 BNA_E
 ClientSampleId :
 BP-TT-SW4002-20181211MSD

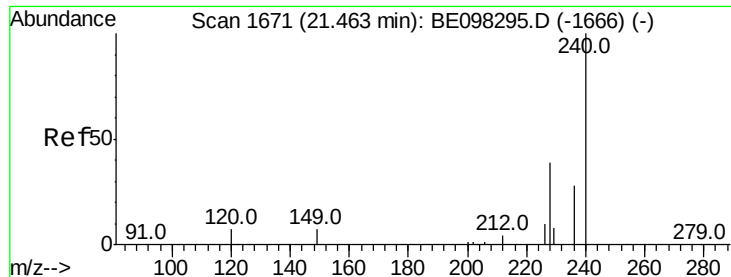
Tot Ion:212 Resp: 34814
 Ion Ratio Lower Upper
 212 100
 106 2.5 2.2 3.2
 104 1.4 1.3 1.9



#26
 Fluoranthene
 Concen: 0.006 ng
 RT: 19.33 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: BE098515.D
 Acq: 18 Dec 2018 16:32

Tgt Ion:202 Resp: 119
 Ion Ratio Lower Upper
 202 100
 101 0.0 8.0 12.0#
 203 11.8 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: BE098515.D

Acq: 18 Dec 2018 16:32

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4002-20181211MSD

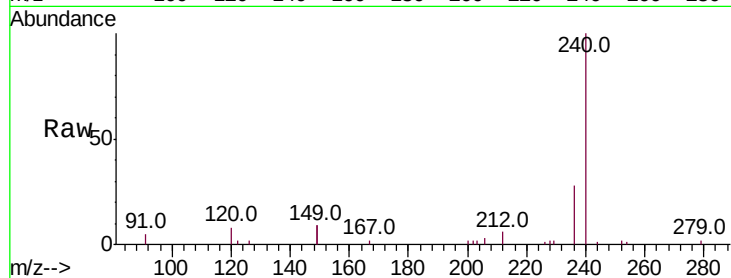
Tot Ion:240 Resp: 7289

Ion Ratio Lower Upper

240 100

120 7.8 9.5 14.3#

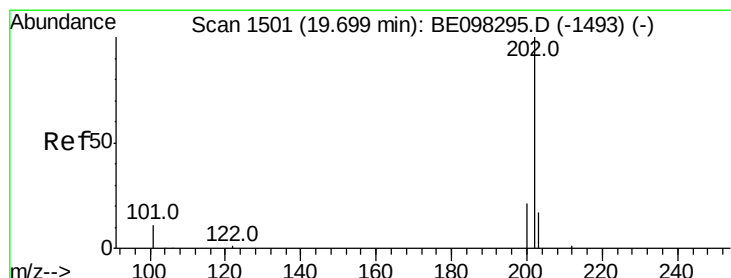
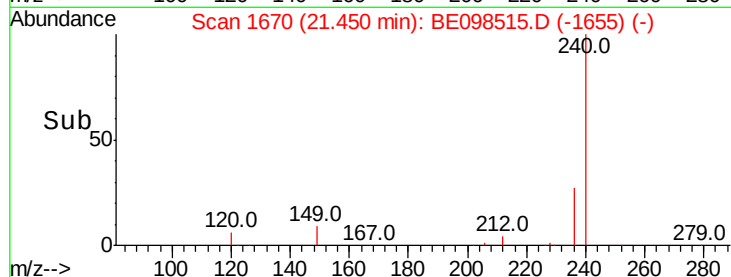
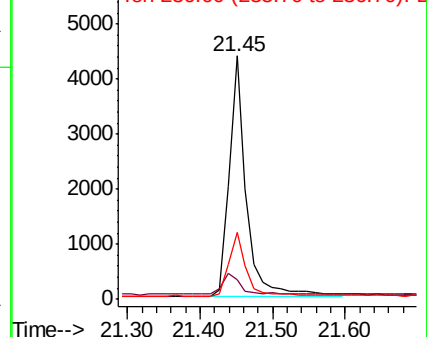
236 27.7 22.7 34.1



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: 0.004 ng

RT: 19.69 min Scan# 1499

Delta R.T. -0.01 min

Lab File: BE098515.D

Acq: 18 Dec 2018 16:32

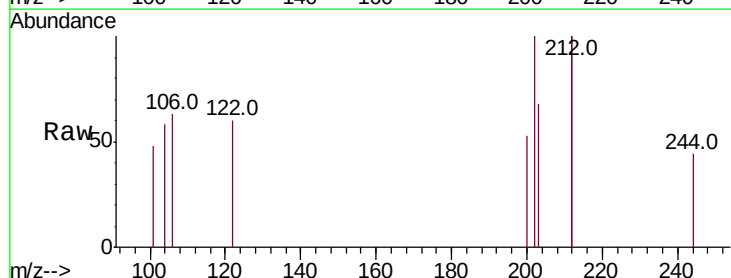
Tgt Ion:202 Resp: 101

Ion Ratio Lower Upper

202 100

200 32.7 16.7 25.1#

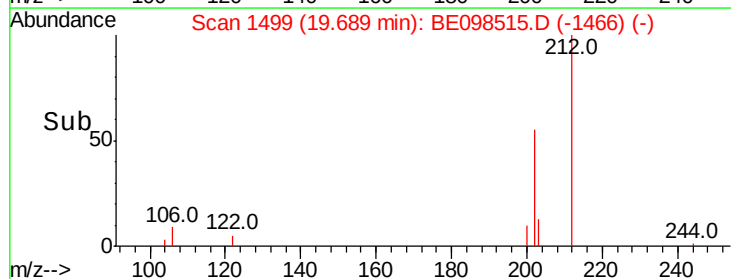
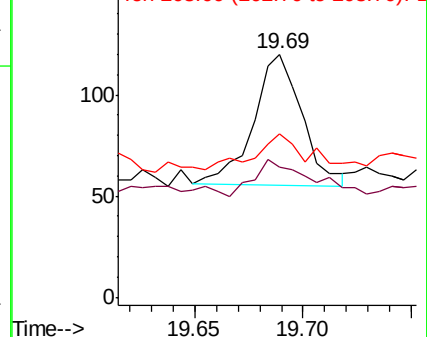
203 28.7 14.1 21.1#

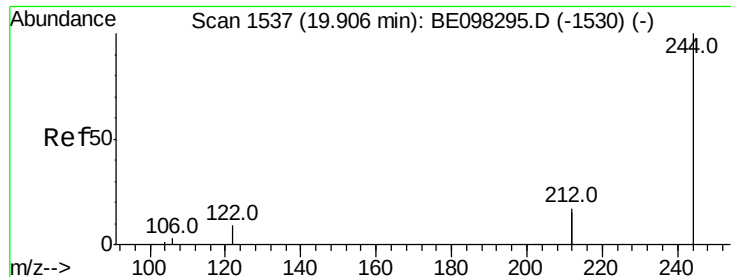


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.543 ng

RT: 19.89 min Scan# 1534

Delta R.T. -0.02 min

Lab File: BE098515.D

Acq: 18 Dec 2018 16:32

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4002-20181211MSD

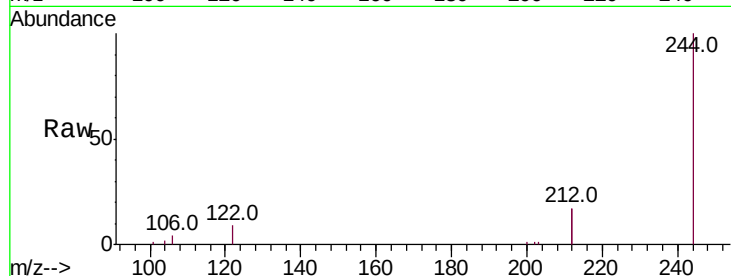
Tot Ion:244 Resp: 9624

Ion Ratio Lower Upper

244 100

212 34.7 27.4 41.0

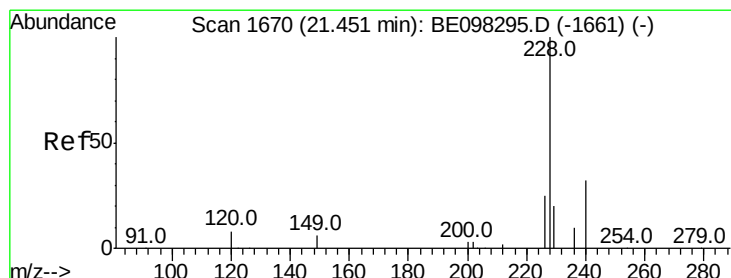
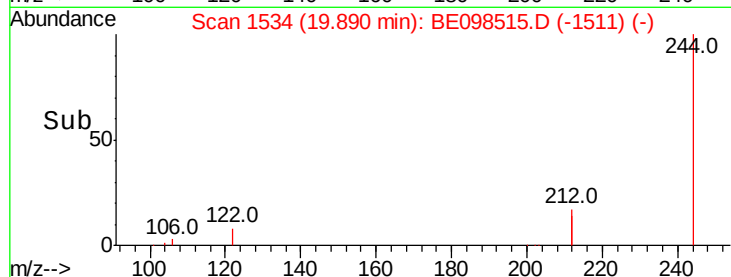
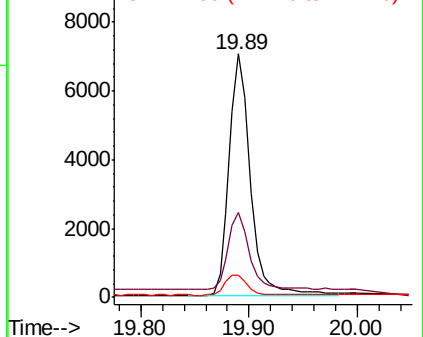
122 9.3 8.3 12.5



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: 0.004 ng

RT: 21.44 min Scan# 1669

Delta R.T. -0.01 min

Lab File: BE098515.D

Acq: 18 Dec 2018 16:32

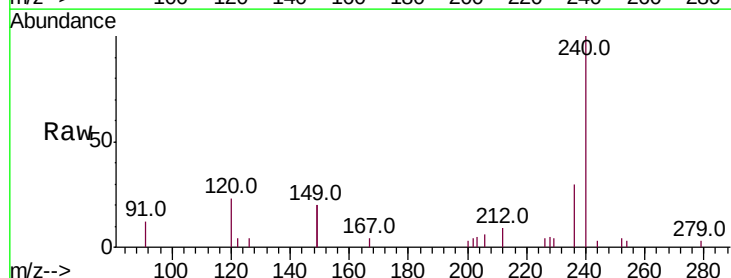
Tgt Ion:228 Resp: 84

Ion Ratio Lower Upper

228 100

226 73.3 21.8 32.8#

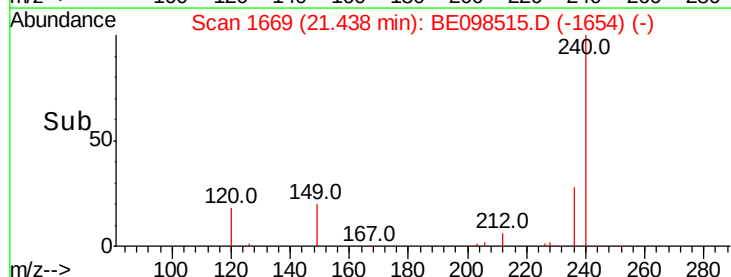
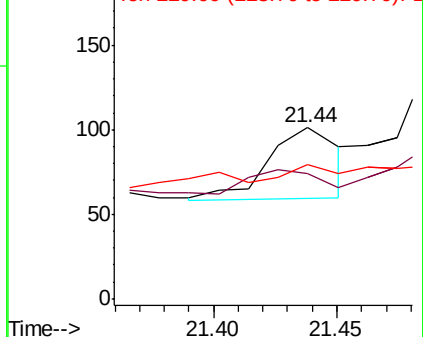
229 78.2 16.3 24.5#

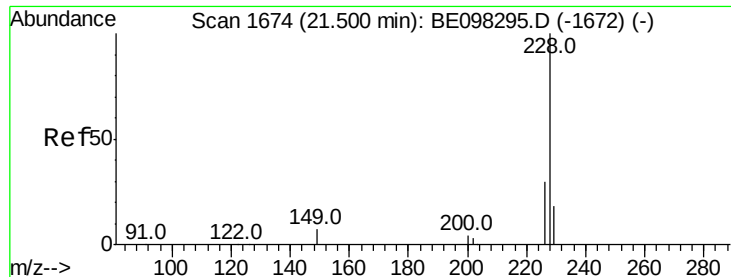


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.007 ng

RT: 21.49 min Scan# 1673

Delta R.T. -0.01 min

Lab File: BE098515.D

Acq: 18 Dec 2018 16:32

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4002-20181211MSD

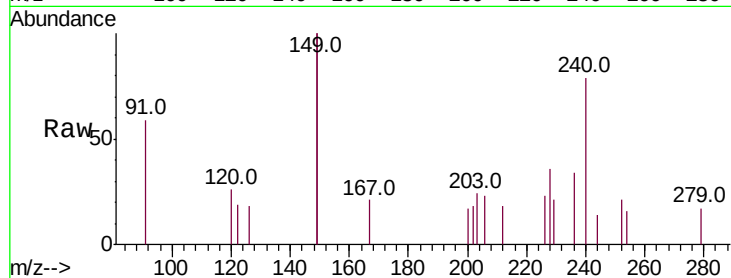
Tot Ion:228 Resp: 152

Ion Ratio Lower Upper

228 100

226 62.5 23.4 35.0#

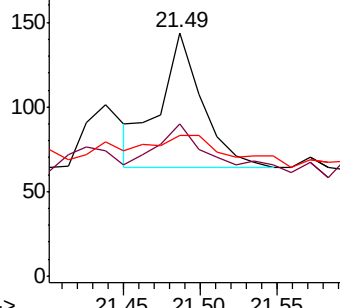
229 57.6 16.2 24.4#



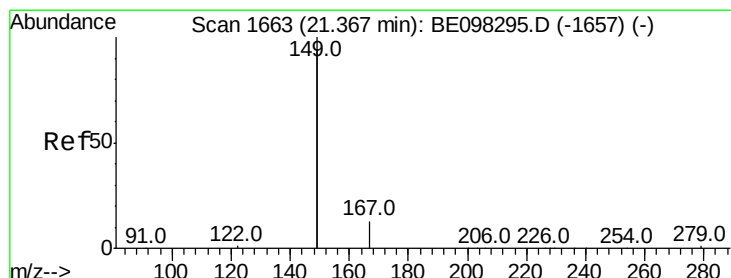
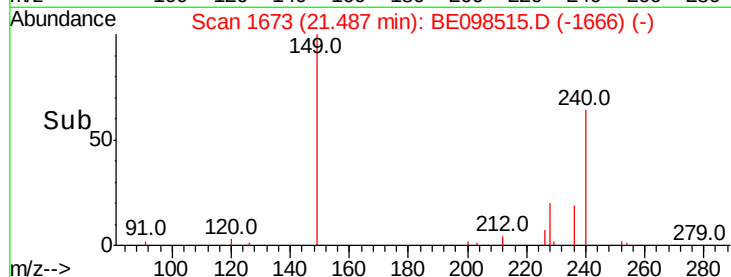
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.161 ng

RT: 21.35 min Scan# 1662

Delta R.T. -0.01 min

Lab File: BE098515.D

Acq: 18 Dec 2018 16:32

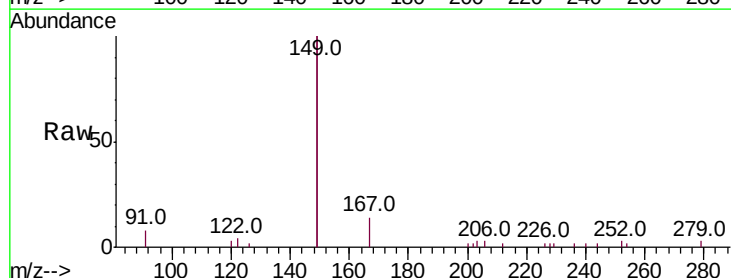
Tgt Ion:149 Resp: 6800

Ion Ratio Lower Upper

149 100

167 6.4 5.7 8.5

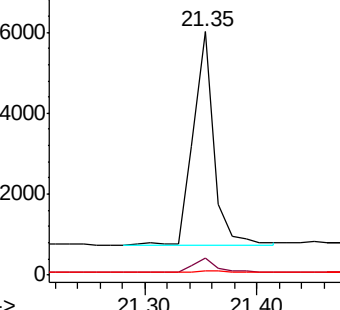
279 1.0 1.0 1.4



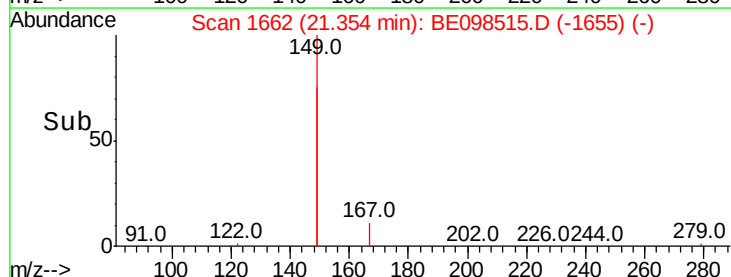
Abundance Ion 149.00 (148.70 to 149.70): E

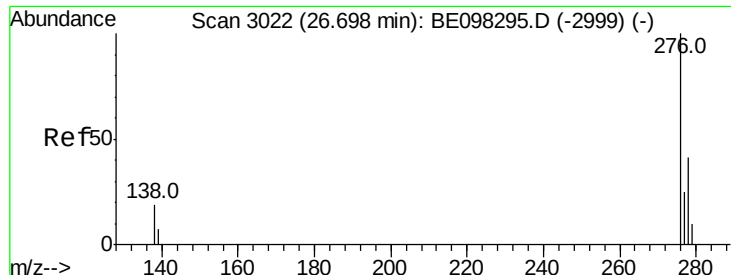
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.000 ng

RT: 26.67 min Scan# 3013

Delta R.T. -0.03 min

Lab File: BE098515.D

Acq: 18 Dec 2018 16:32

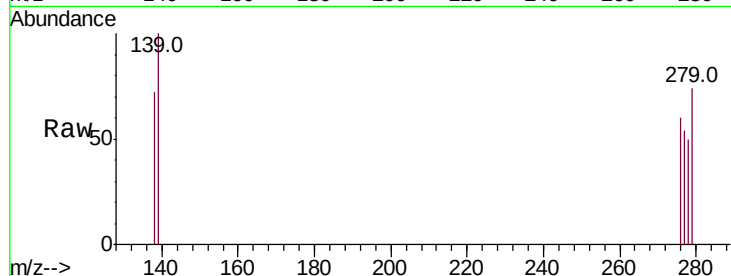
Instrument :

BNA_E

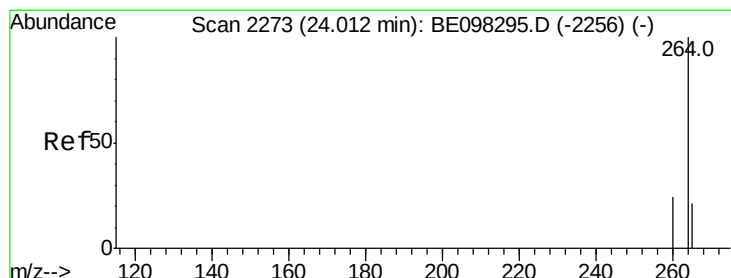
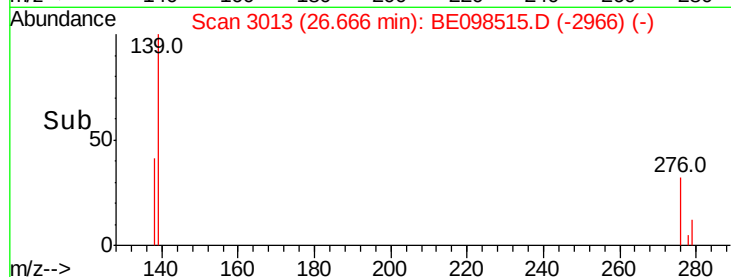
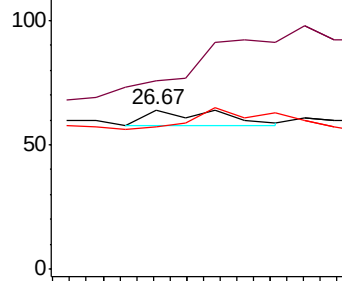
ClientSampleId :

BP-TT-SW4002-20181211MSD

Tot Ion:276	Resp:	4	
Ion Ratio	Lower	Upper	
276	100		
138	0.0	16.3	24.5#
277	200.0	20.2	30.4#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

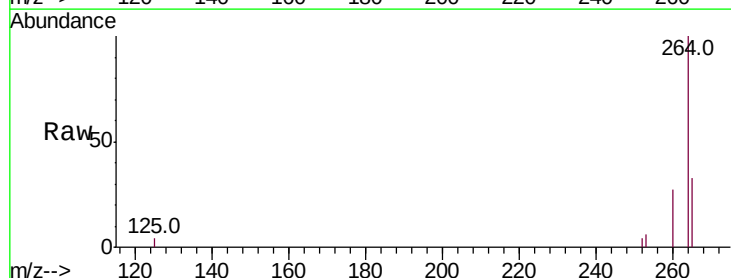
RT: 23.99 min Scan# 2266

Delta R.T. -0.03 min

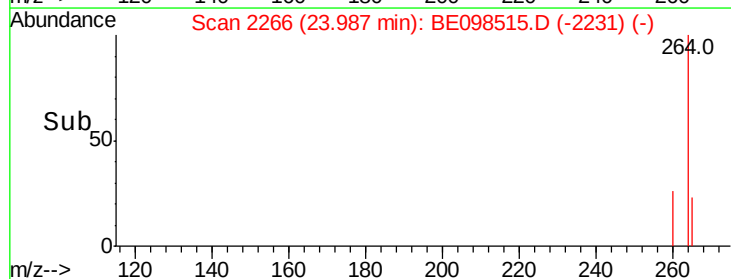
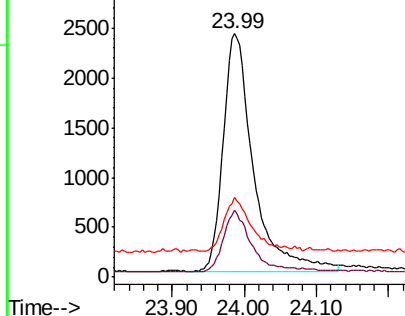
Lab File: BE098515.D

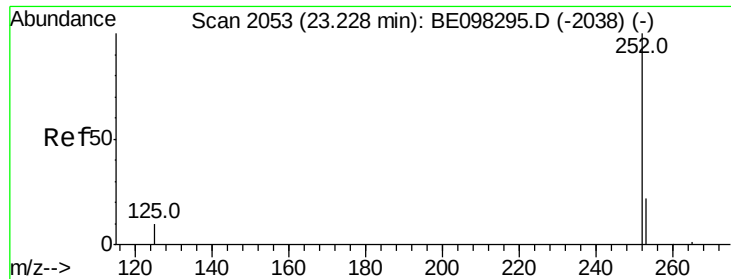
Acq: 18 Dec 2018 16:32

Tgt	Ion:264	Resp:	6882
Ion	Ratio	Lower	Upper
264	100		
260	27.4	20.2	30.2
265	32.6	25.2	37.8



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

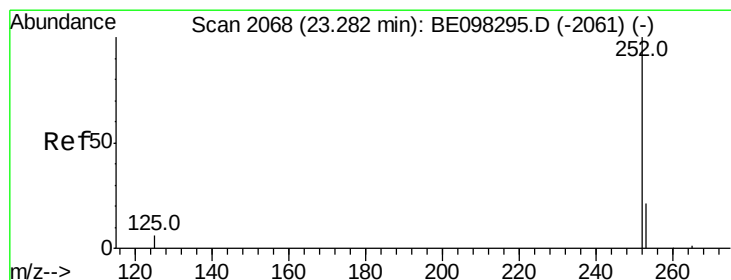
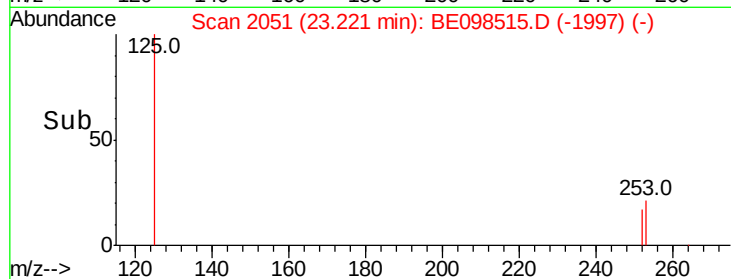
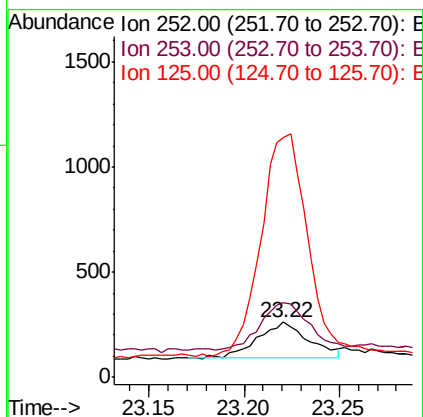
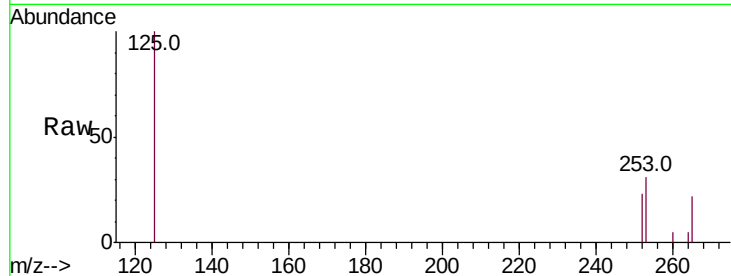




#35
Benzo(b)fluoranthene
Concen: 0.017 ng
RT: 23.22 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BE098515.D
Acq: 18 Dec 2018 16:32

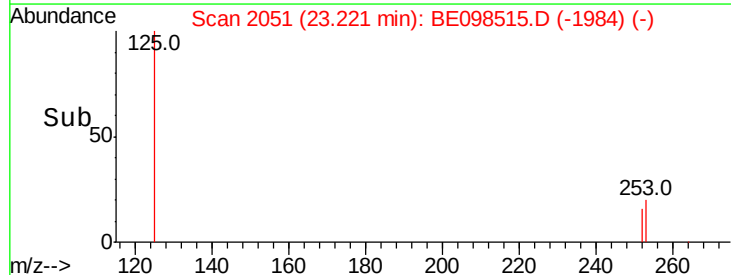
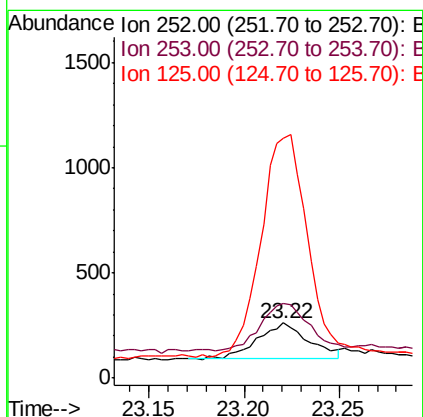
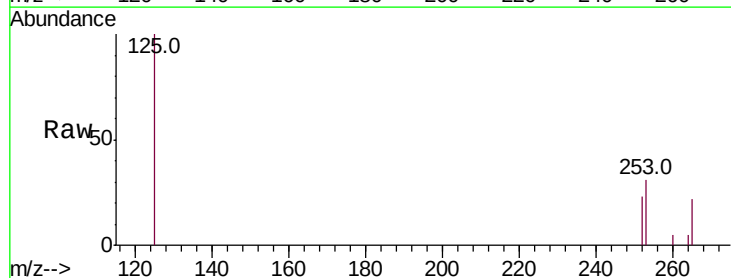
Instrument :
BNA_E
ClientSampleId :
BP-TT-SW4002-20181211MSD

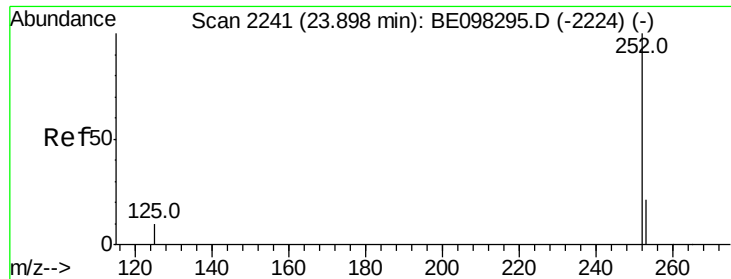
Tot Ion:252 Resp: 323
Ion Ratio Lower Upper
252 100
253 134.6 20.0 30.0#
125 434.6 9.6 14.4#



#36
Benzo(k)fluoranthene
Concen: 0.015 ng
RT: 23.22 min Scan# 2051
Delta R.T. -0.06 min
Lab File: BE098515.D
Acq: 18 Dec 2018 16:32

Tgt Ion:252 Resp: 323
Ion Ratio Lower Upper
252 100
253 134.6 19.0 28.6#
125 434.6 9.1 13.7#





#37

Benzo(a)pyrene

Concen: 0.015 ng

RT: 23.90 min Scan# 2242

Delta R.T. 0.00 min

Lab File: BE098515.D

Acq: 18 Dec 2018 16:32

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4002-20181211MSD

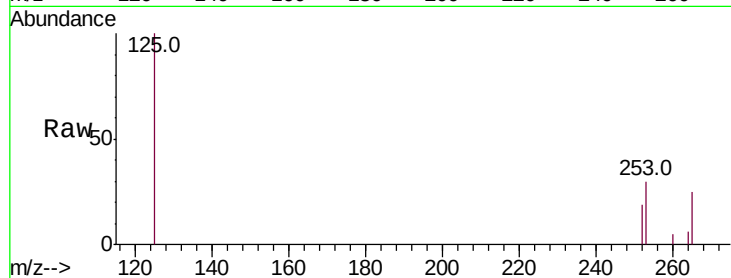
Tot Ion:252 Resp: 292

Ion Ratio Lower Upper

252 100

253 159.0 20.6 30.8#

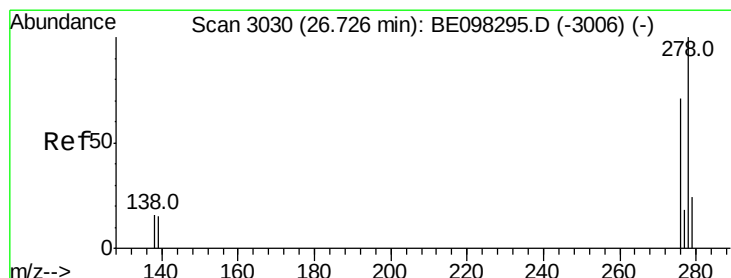
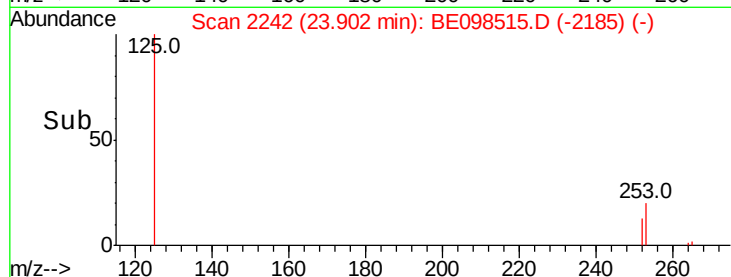
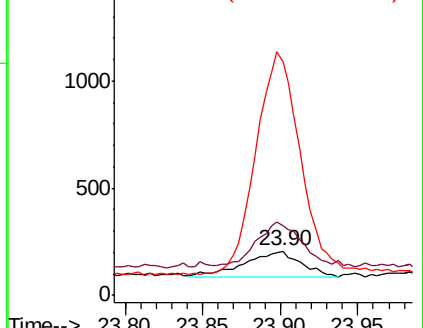
125 529.8 10.5 15.7#



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: 0.000 ng

RT: 26.69 min Scan# 3019

Delta R.T. -0.04 min

Lab File: BE098515.D

Acq: 18 Dec 2018 16:32

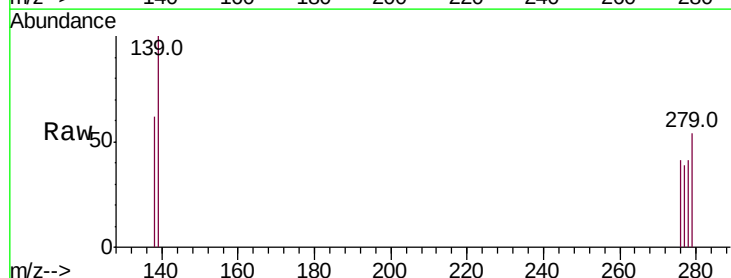
Tgt Ion:278 Resp: 3

Ion Ratio Lower Upper

278 100

139 242.6 14.5 21.7#

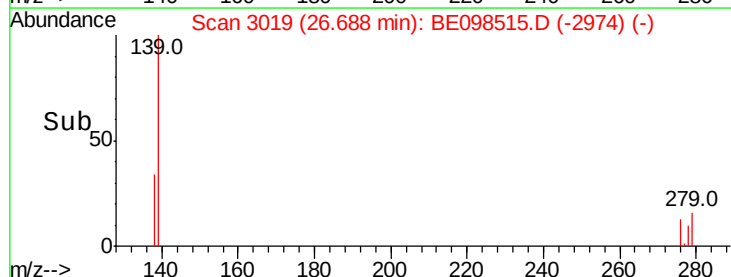
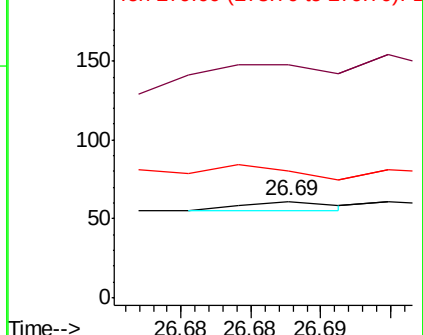
279 131.1 21.8 32.8#

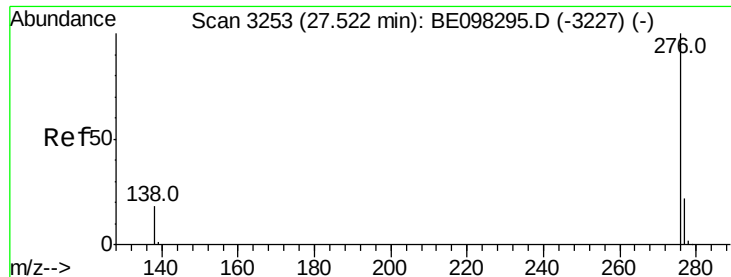


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.000 ng

RT: 27.49 min Scan# 3243

Delta R.T. -0.03 min

Lab File: BE098515.D

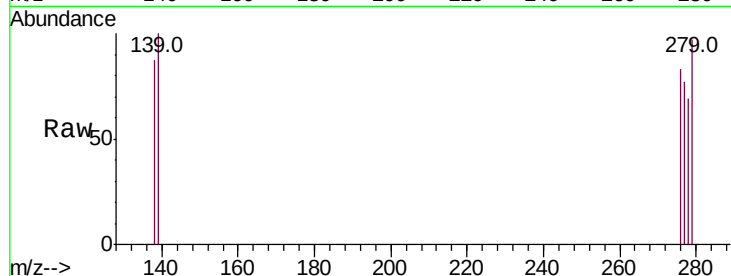
Acq: 18 Dec 2018 16:32

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4002-20181211MSD



Tot Ion: 276 Resp: 4

Ion Ratio Lower Upper

276 100

277 93.5 20.8 31.2#

138 104.8 15.8 23.6#

