

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE111218\
 Data File : BE098199.D
 Acq On : 12 Nov 2018 21:17
 Operator : SJ/JU
 Sample : PB114586BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB114586BS

Quant Time: Nov 13 03:50:34 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE111218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 12 13:32:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	1057	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	4143	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	2511	0.40	ng	0.00
19) Phenanthrene-d10	17.28	188	7290	0.40	ng	0.00
27) Chrysene-d12	21.46	240	9096	0.40	ng	0.00
34) Perylene-d12	24.01	264	8491	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.46	112	3029	1.02	ng	0.00
5) Phenol-d6	7.03	99	4394	0.92	ng	0.00
8) Nitrobenzene-d5	9.02	82	3196	0.77	ng	0.00
11) 2-Methylnaphthalene-d10	12.27	152	2037	0.28	ng	0.00
14) 2,4,6-Tribromophenol	16.02	330	1237	1.13	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	7699	0.73	ng	0.00
25) Fluoranthene-d10	19.31	212	25644	0.28	ng	0.00
29) Terphenyl-d14	19.91	244	16494	0.80	ng	0.00

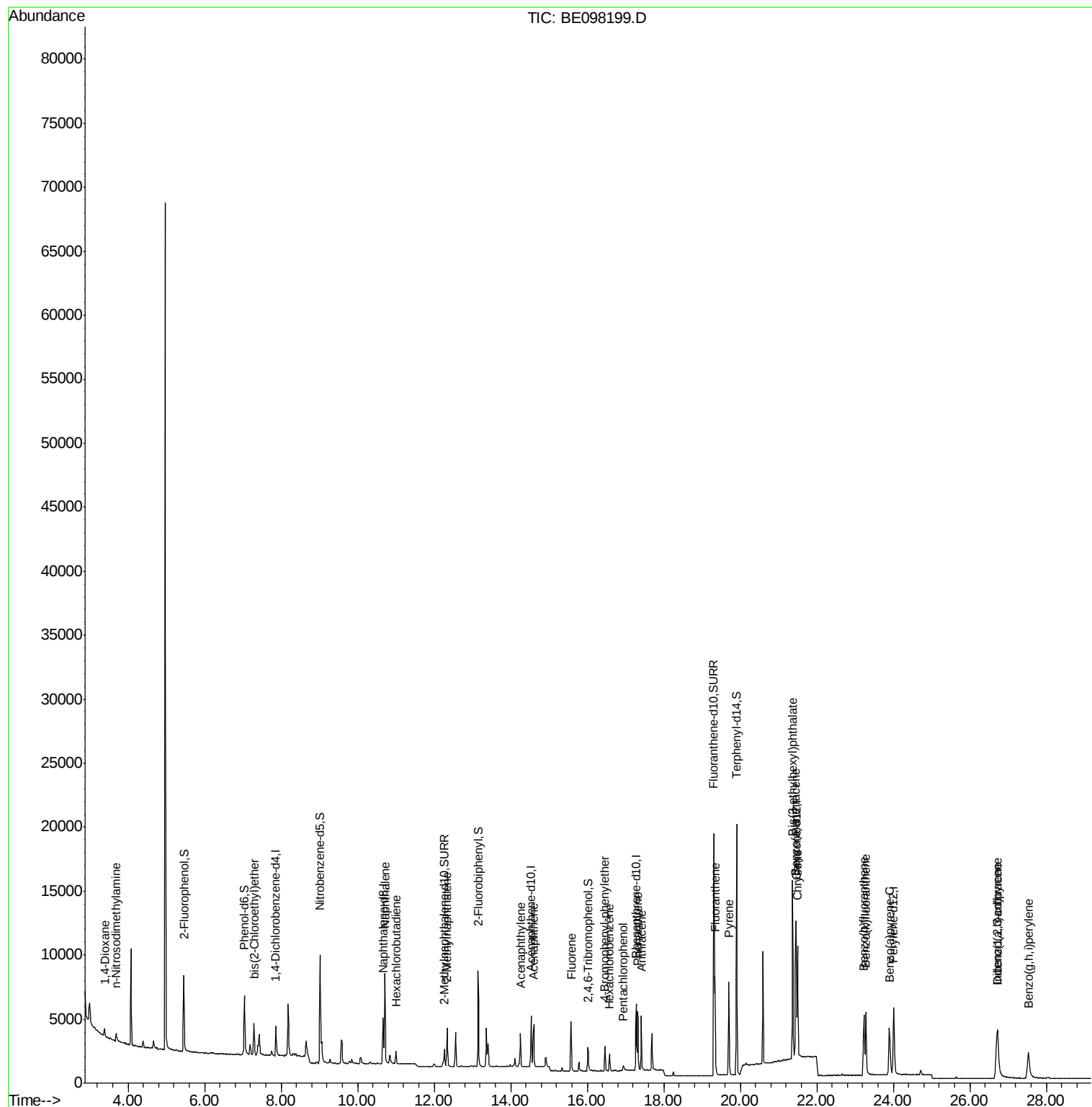
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.38	88	362	0.226	ng	# 32
3) n-Nitrosodimethylamine	3.70	42	599	0.289	ng	# 96
6) bis(2-Chloroethyl)ether	7.29	93	875	0.226	ng	96
9) Naphthalene	10.72	128	11971	0.284	ng	99
10) Hexachlorobutadiene	11.00	225	673	0.257	ng	98
12) 2-Methylnaphthalene	12.34	142	2097	0.287	ng	97
16) Acenaphthylene	14.26	152	3189	0.277	ng	100
17) Acenaphthene	14.60	154	1916	0.273	ng	99
18) Fluorene	15.58	166	2686	0.298	ng	99
20) 4-Bromophenyl-phenylether	16.46	248	1012	0.228	ng	94
21) Hexachlorobenzene	16.58	284	1097	0.237	ng	96
22) Pentachlorophenol	16.94	266	320	0.390	ng	100
23) Phenanthrene	17.31	178	5265	0.290	ng	99
24) Anthracene	17.41	178	4930	0.291	ng	98
26) Fluoranthene	19.34	202	6945	0.309	ng	100
28) Pyrene	19.71	202	7065	0.282	ng	100
30) Benzo(a)anthracene	21.45	228	7591	0.294	ng	98
31) Chrysene	21.50	228	7682	0.293	ng	99
32) Bis(2-ethylhexyl)phthalate	21.37	149	14960	0.279	ng	99
33) Indeno(1,2,3-cd)pyrene	26.71	276	7130	0.296	ng	# 95
35) Benzo(b)fluoranthene	23.23	252	7218	0.300	ng	99
36) Benzo(k)fluoranthene	23.28	252	7679	0.302	ng	98
37) Benzo(a)pyrene	23.90	252	6974	0.302	ng	96
38) Dibenzo(a,h)anthracene	26.72	278	5814	0.295	ng	96
39) Benzo(g,h,i)perylene	27.53	276	6072	0.296	ng	# 96

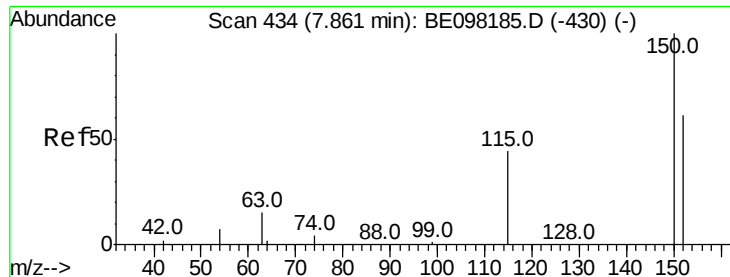
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE111218\
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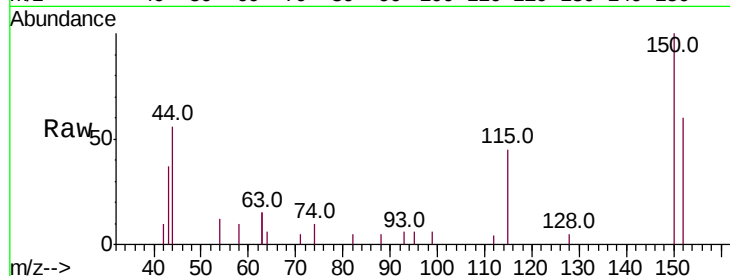


#1

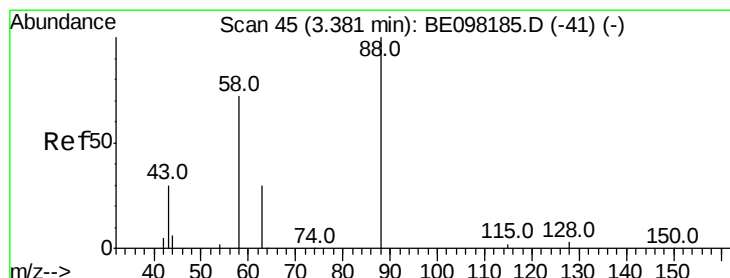
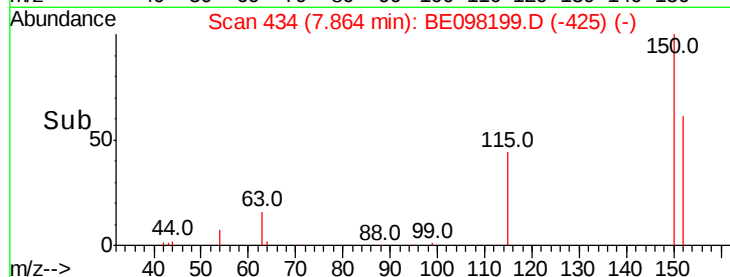
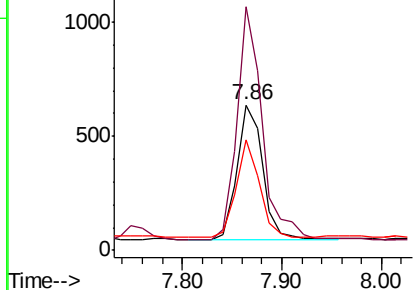
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. 0.00 min
Lab File: BE098199.D
Acq: 12 Nov 2018 21:17

Instrument :
BNA_E
ClientSampleId :
PB114586BS

Tot Ion:152 Resp: 1057
Ion Ratio Lower Upper
152 100
150 167.2 127.5 191.3
115 76.0 60.3 90.5



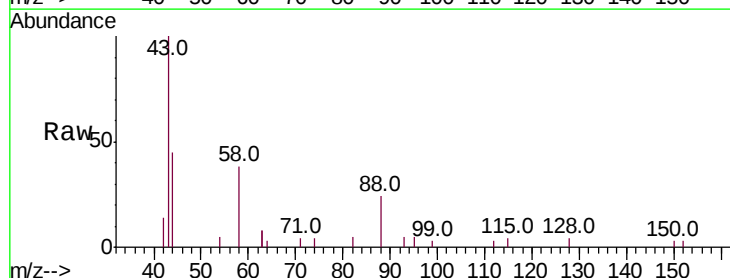
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



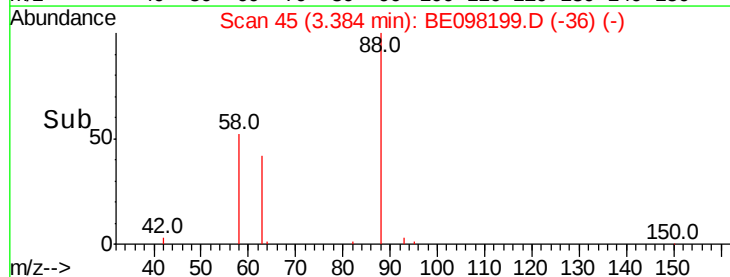
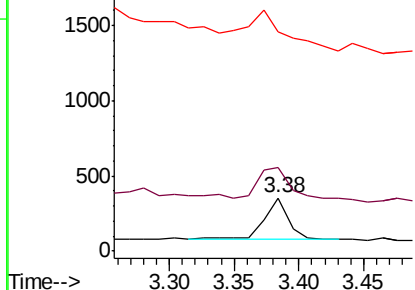
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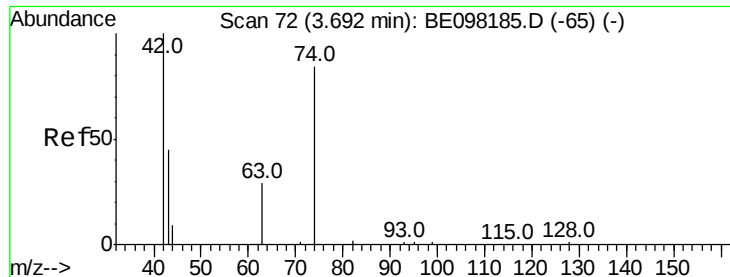
1,4-Dioxane
Concen: 0.226 ng
RT: 3.38 min Scan# 45
Delta R.T. 0.00 min
Lab File: BE098199.D
Acq: 12 Nov 2018 21:17

Tgt Ion: 88 Resp: 362
Ion Ratio Lower Upper
88 100
58 107.7 79.0 118.4
43 174.9 38.1 57.1#



Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0



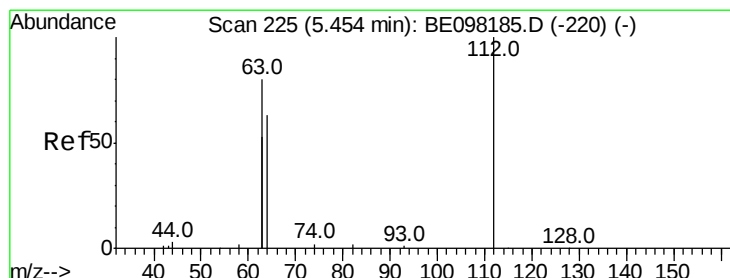
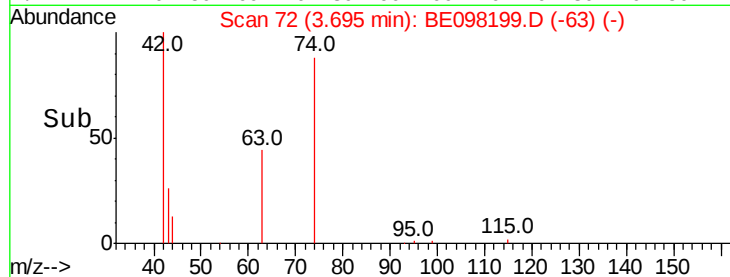
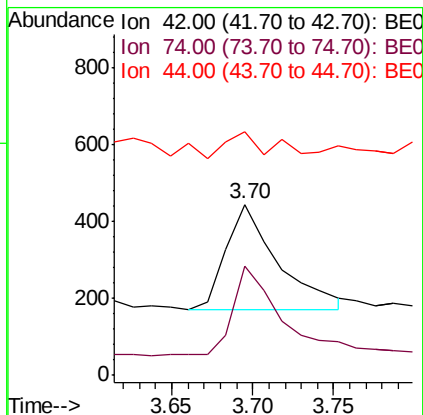
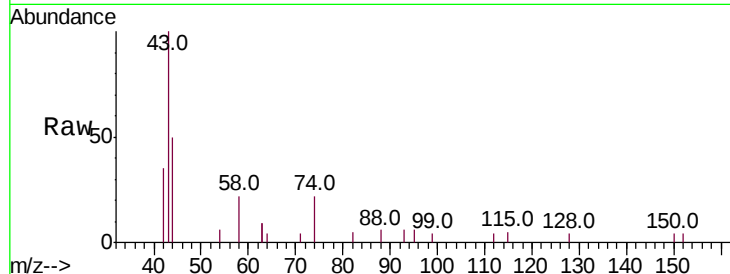


#3

n-Nitrosodimethylamine
 Concen: 0.289 ng
 RT: 3.70 min Scan# 72
 Delta R.T. 0.00 min
 Lab File: BE098199.D
 Acq: 12 Nov 2018 21:17

Instrument :
 BNA_E
 ClientSampleId :
 PB114586BS

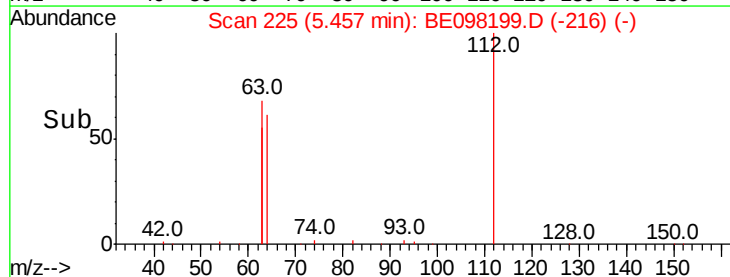
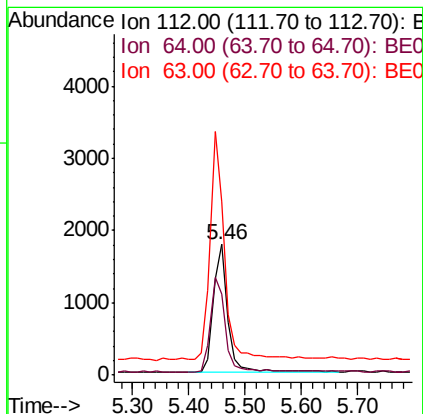
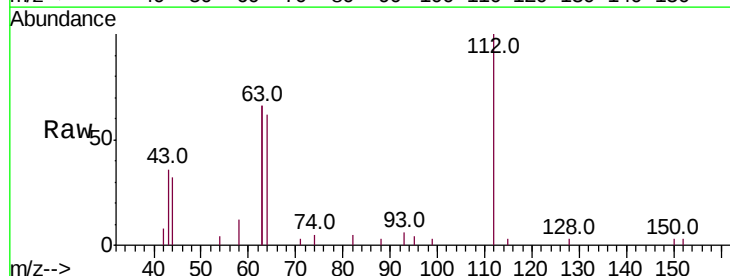
Tot Ion: 42 Resp: 599
 Ion Ratio Lower Upper
 42 100
 74 79.3 61.7 92.5
 44 23.0 14.0 21.0#

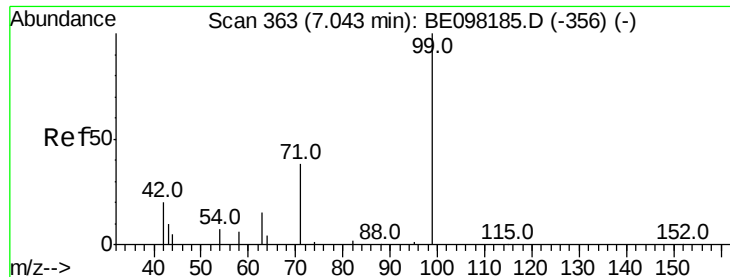


#4

2-Fluorophenol
 Concen: 1.015 ng
 RT: 5.46 min Scan# 225
 Delta R.T. 0.00 min
 Lab File: BE098199.D
 Acq: 12 Nov 2018 21:17

Tgt Ion: 112 Resp: 3029
 Ion Ratio Lower Upper
 112 100
 64 75.8 61.7 92.5
 63 173.0 136.2 204.2





#5

Phenol-d6

Concen: 0.917 ng

RT: 7.03 min Scan# 362

Delta R.T. -0.01 min

Lab File: BE098199.D

Acq: 12 Nov 2018 21:17

Instrument :

BNA_E

ClientSampleId :

PB114586BS

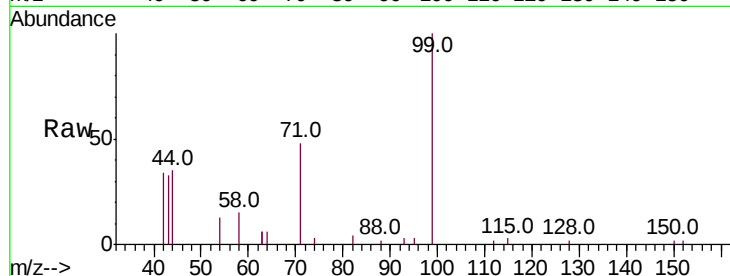
Tot Ion: 99 Resp: 4394

Ion Ratio Lower Upper

99 100

42 28.9 27.1 40.7

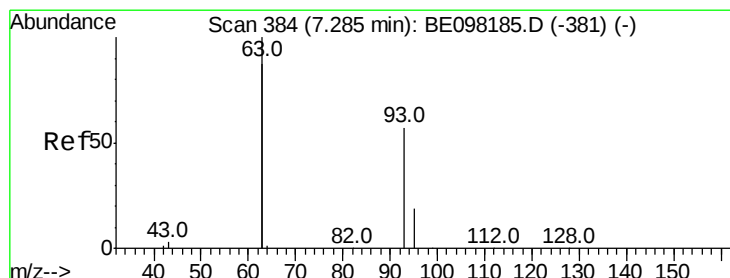
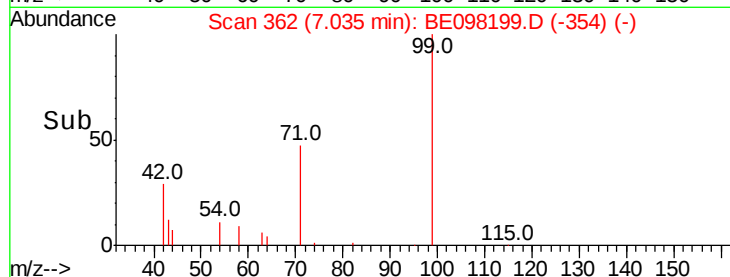
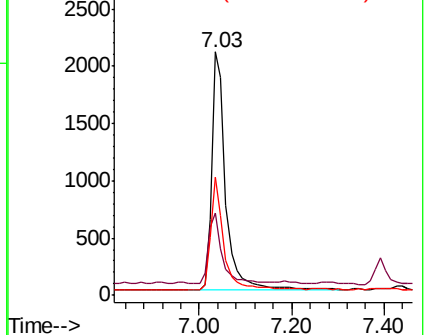
71 43.2 37.0 55.6



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: 0.226 ng

RT: 7.29 min Scan# 384

Delta R.T. 0.00 min

Lab File: BE098199.D

Acq: 12 Nov 2018 21:17

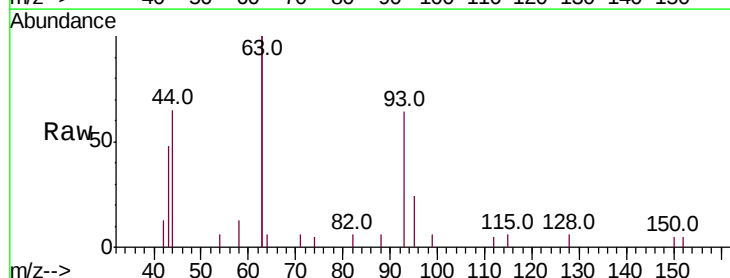
Tgt Ion: 93 Resp: 875

Ion Ratio Lower Upper

93 100

63 350.3 272.6 409.0

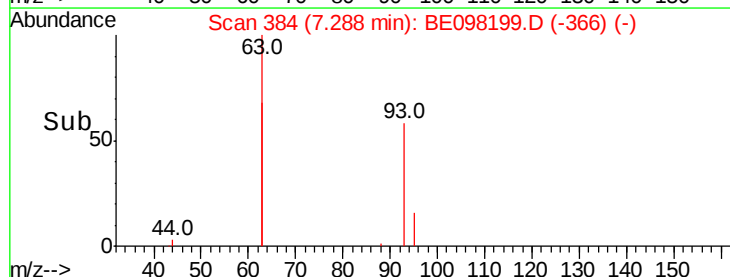
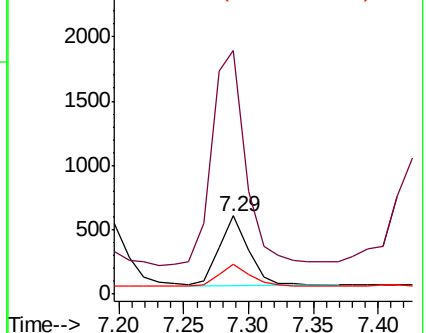
95 35.1 27.1 40.7

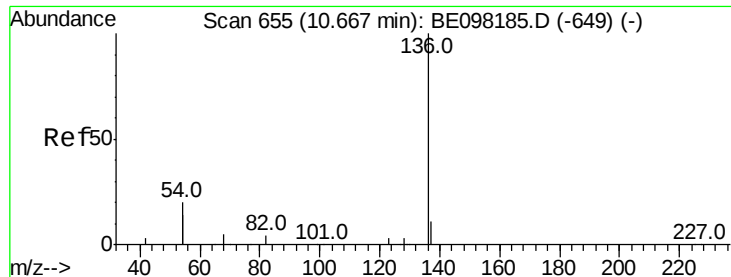


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.67 min Scan# 654

Delta R.T. -0.00 min

Lab File: BE098199.D

Acq: 12 Nov 2018 21:17

Instrument :

BNA_E

ClientSampleId :

PB114586BS

Tot Ion:136 Resp: 4143

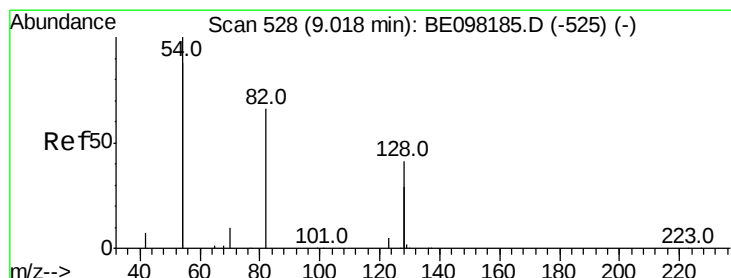
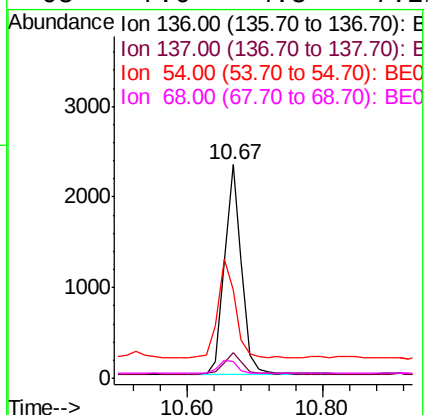
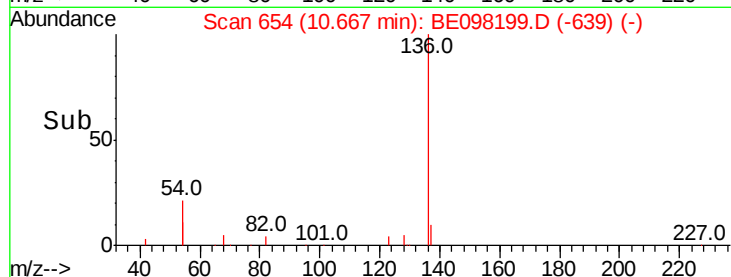
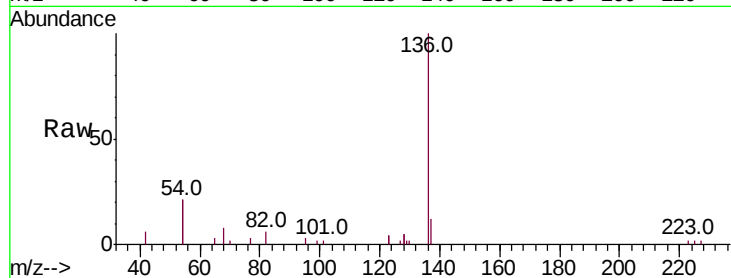
Ion Ratio Lower Upper

136 100

137 12.0 9.5 14.3

54 41.2 31.3 46.9

68 7.6 4.8 7.2#



#8

Nitrobenzene-d5

Concen: 0.773 ng

RT: 9.02 min Scan# 527

Delta R.T. -0.00 min

Lab File: BE098199.D

Acq: 12 Nov 2018 21:17

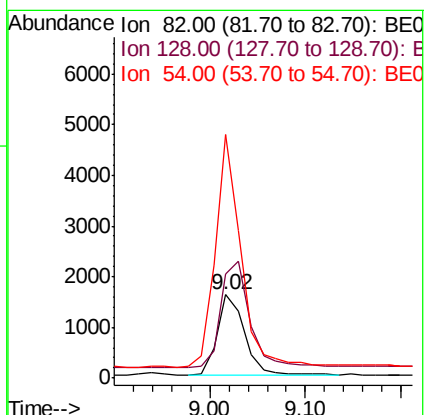
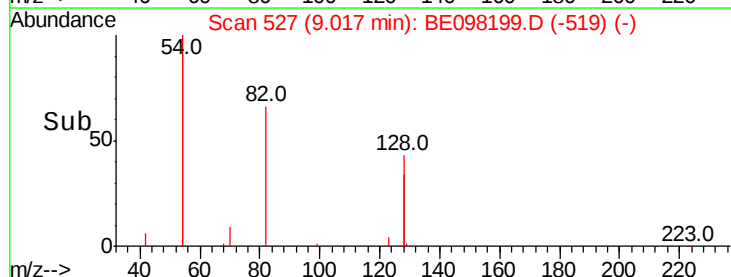
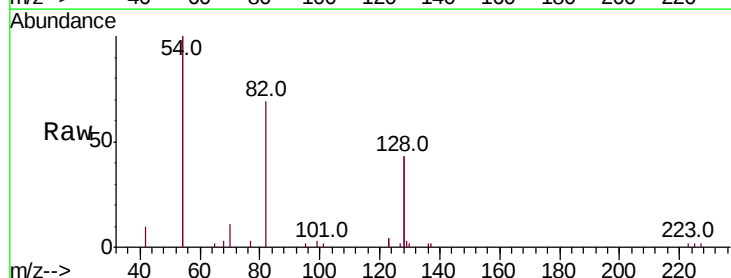
Tgt Ion: 82 Resp: 3196

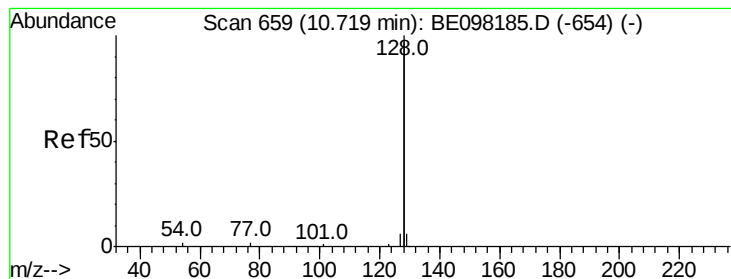
Ion Ratio Lower Upper

82 100

128 125.3 96.1 144.1

54 291.9 232.0 348.0





#9

Naphthalene

Concen: 0.284 ng

RT: 10.72 min Scan# 658

Delta R.T. -0.00 min

Lab File: BE098199.D

Acq: 12 Nov 2018 21:17

Instrument :

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ClientSampleId :

PB114586BS

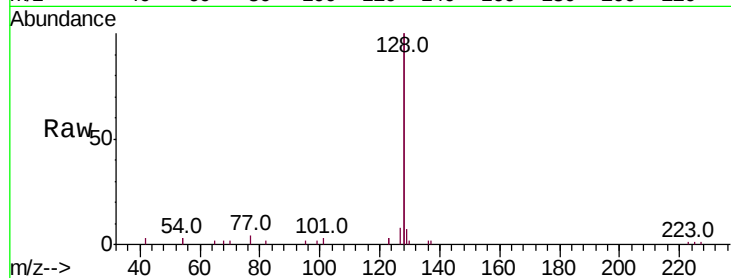
Tot Ion:128 Resp: 11971

Ion Ratio Lower Upper

128 100

129 3.3 2.6 4.0

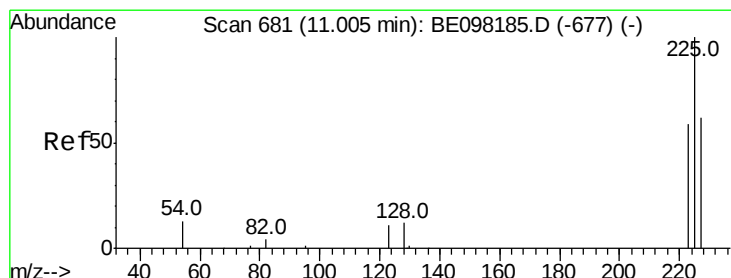
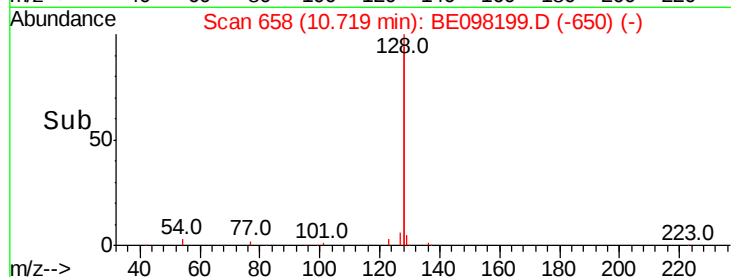
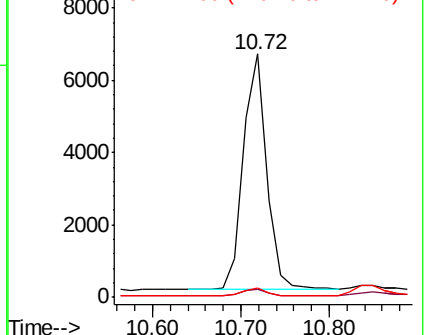
127 3.8 2.8 4.2



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



#10

Hexachlorobutadiene

Concen: 0.257 ng

RT: 11.00 min Scan# 680

Delta R.T. -0.00 min

Lab File: BE098199.D

Acq: 12 Nov 2018 21:17

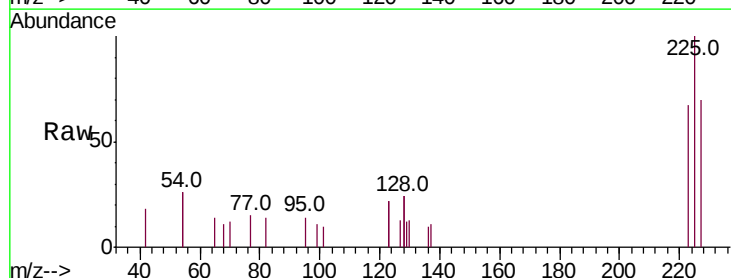
Tgt Ion:225 Resp: 673

Ion Ratio Lower Upper

225 100

223 61.2 50.5 75.7

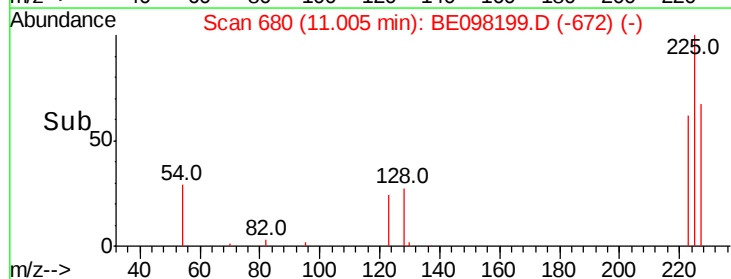
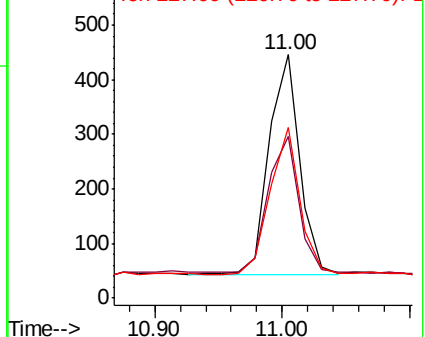
227 64.2 50.3 75.5

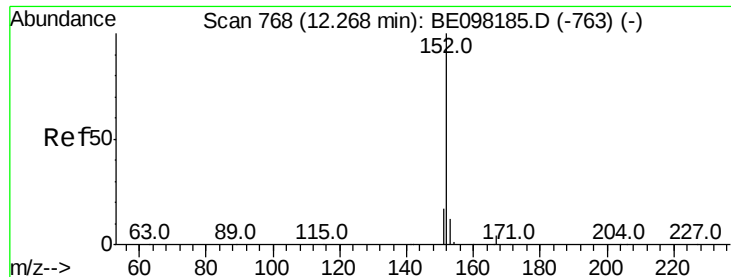


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

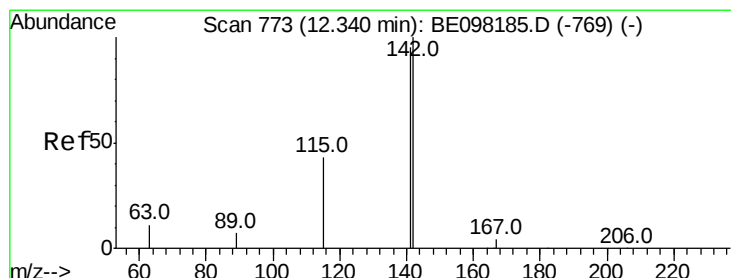
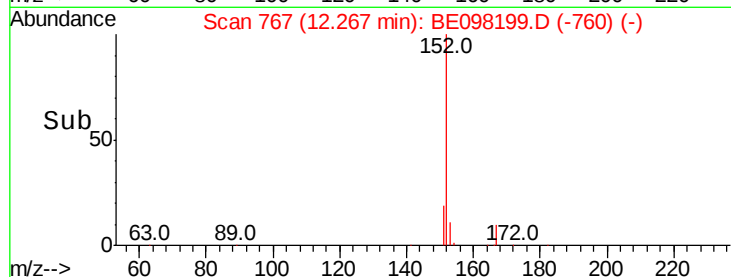
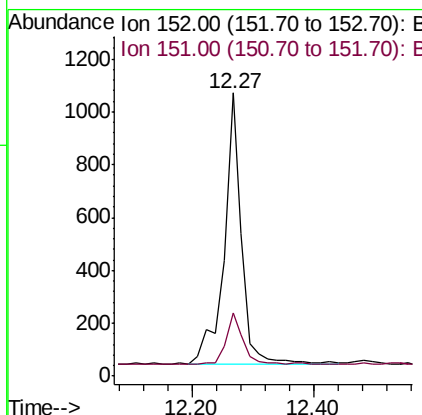
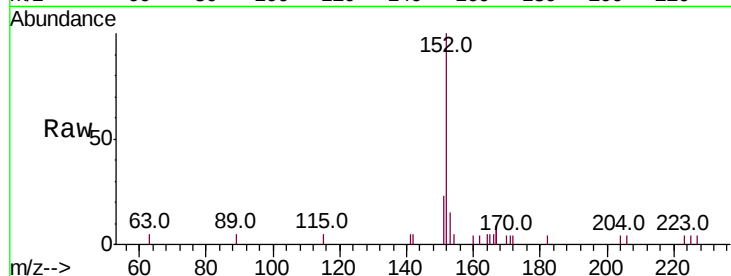




#11
2-Methylnaphthalene-d10
Concen: 0.280 ng
RT: 12.27 min Scan# 767
Delta R.T. -0.00 min
Lab File: BE098199.D
Acq: 12 Nov 2018 21:17

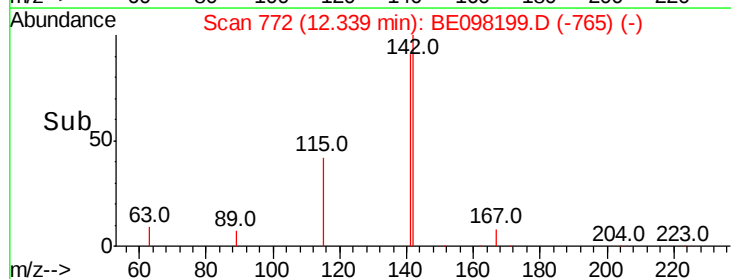
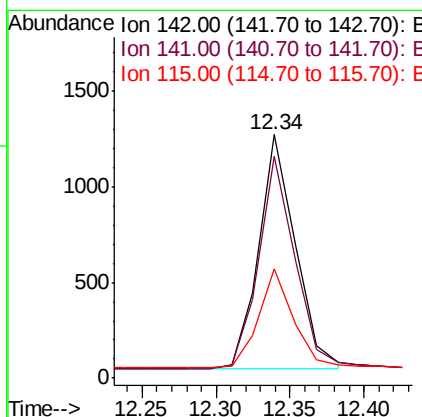
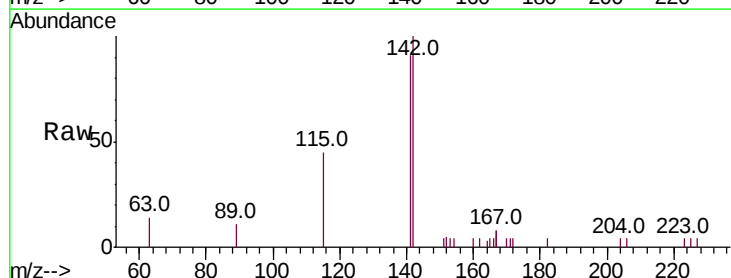
Instrument :
BNA_E
ClientSampleId :
PB114586BS

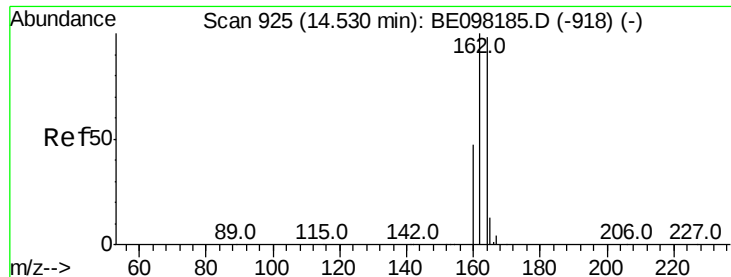
Tot Ion:152 Resp: 2037
Ion Ratio Lower Upper
152 100
151 18.2 15.4 23.2



#12
2-Methylnaphthalene
Concen: 0.287 ng
RT: 12.34 min Scan# 772
Delta R.T. -0.00 min
Lab File: BE098199.D
Acq: 12 Nov 2018 21:17

Tgt Ion:142 Resp: 2097
Ion Ratio Lower Upper
142 100
141 91.2 76.3 114.5
115 44.9 35.8 53.8

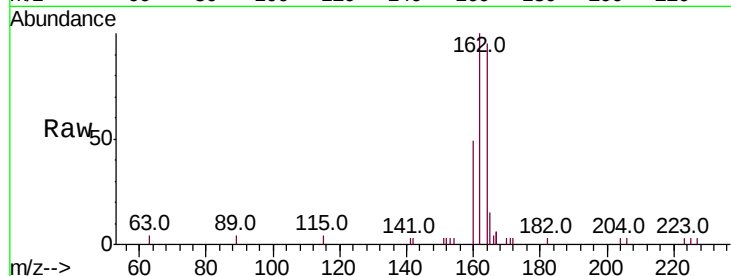




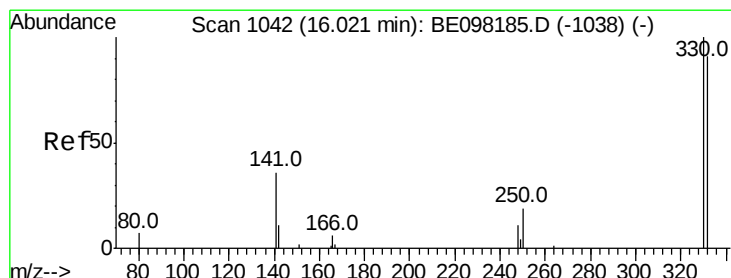
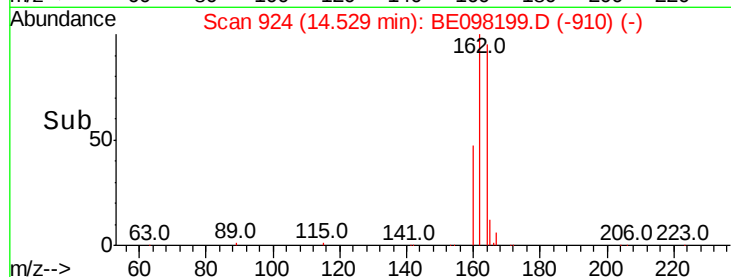
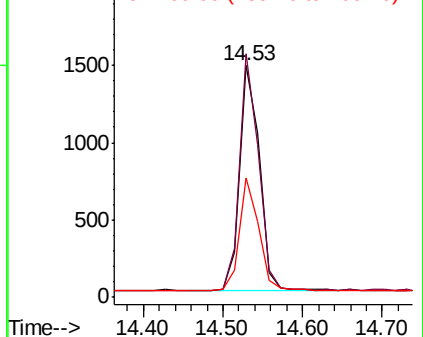
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.53 min Scan# 924
 Delta R.T. -0.00 min
 Lab File: BE098199.D
 Acq: 12 Nov 2018 21:17

Instrument :
 BNA_E
 ClientSampleId :
 PB114586BS

Tot Ion:164 Resp: 2511
 Ion Ratio Lower Upper
 164 100
 162 105.0 81.8 122.6
 160 51.4 39.4 59.0

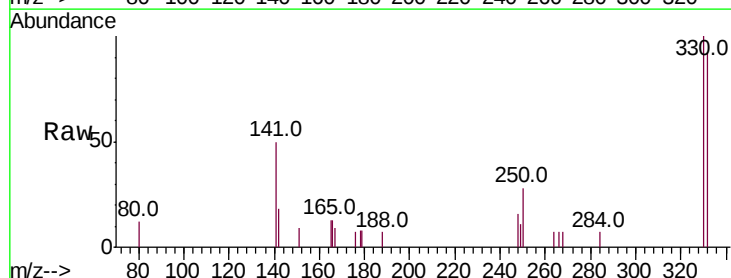


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

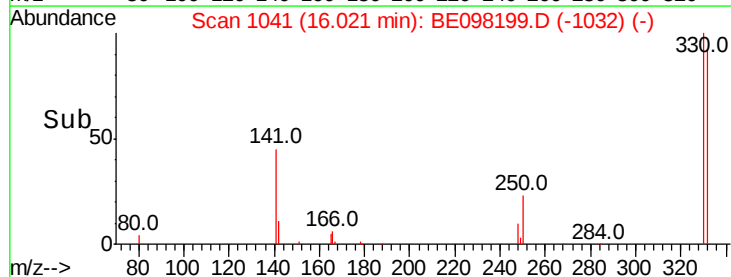
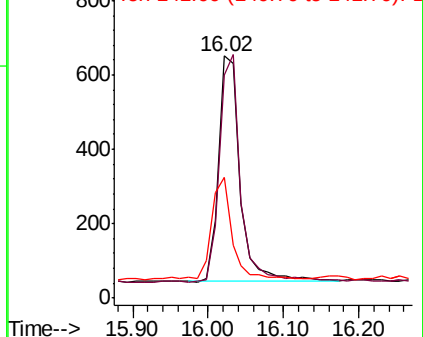


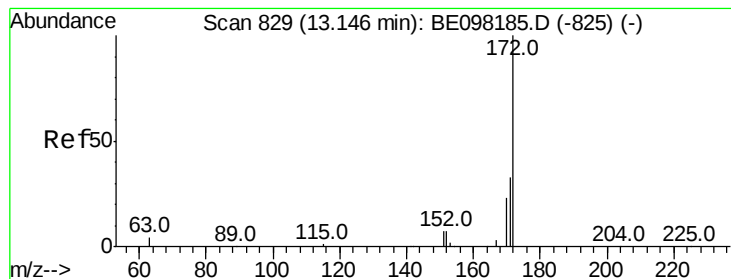
#14
 2,4,6-Tribromophenol
 Concen: 1.130 ng
 RT: 16.02 min Scan# 1041
 Delta R.T. -0.00 min
 Lab File: BE098199.D
 Acq: 12 Nov 2018 21:17

Tgt Ion:330 Resp: 1237
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.7 116.5
 141 41.6 33.6 50.4



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: 0.732 ng

RT: 13.15 min Scan# 828

Delta R.T. -0.00 min

Lab File: BE098199.D

Acq: 12 Nov 2018 21:17

Instrument :

BNA_E

ClientSampleId :

PB114586BS

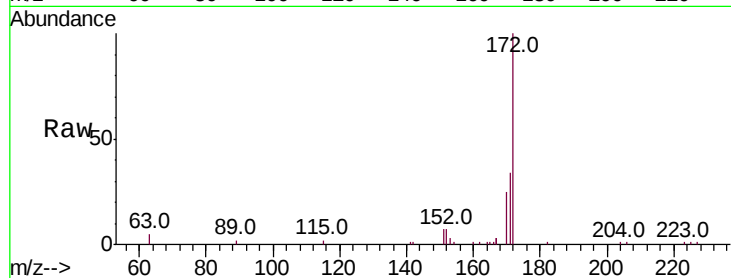
Tot Ion:172 Resp: 7699

Ion Ratio Lower Upper

172 100

171 33.8 27.3 40.9

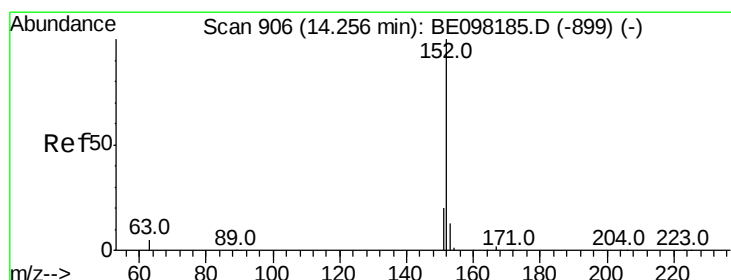
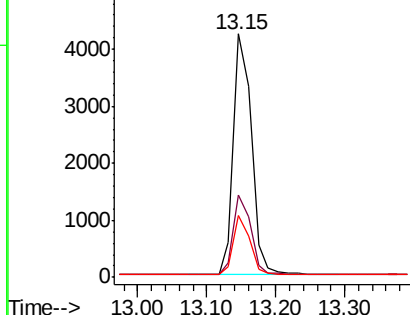
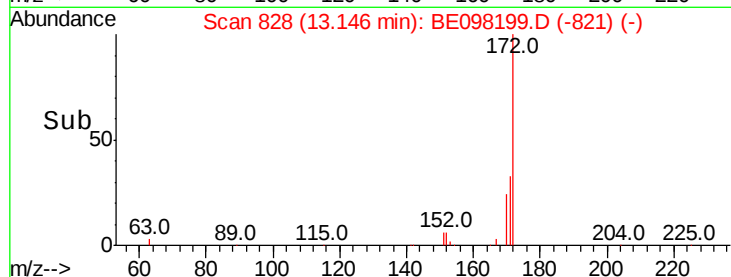
170 25.2 19.4 29.0



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: 0.277 ng

RT: 14.26 min Scan# 905

Delta R.T. -0.00 min

Lab File: BE098199.D

Acq: 12 Nov 2018 21:17

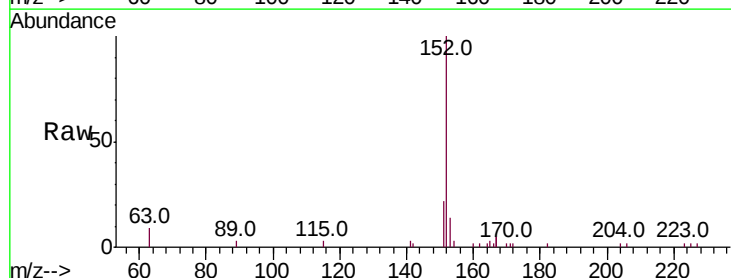
Tgt Ion:152 Resp: 3189

Ion Ratio Lower Upper

152 100

151 20.5 16.4 24.6

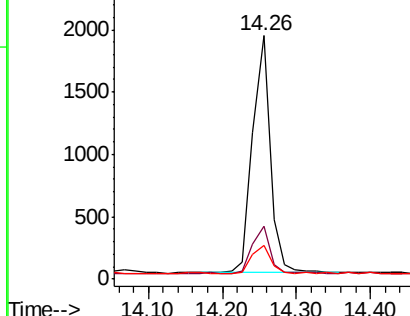
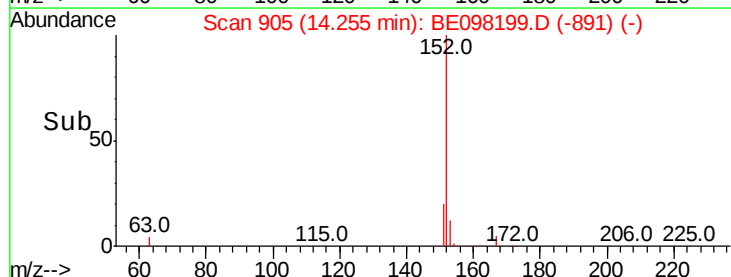
153 12.9 10.6 15.8

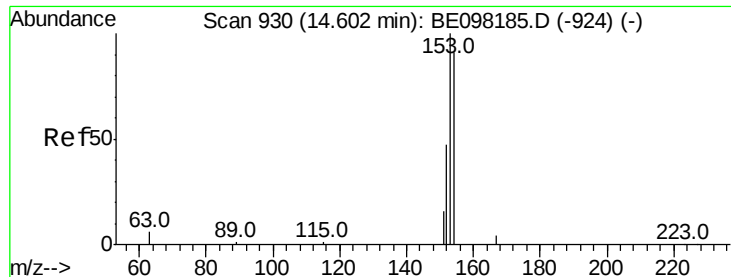


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.273 ng

RT: 14.60 min Scan# 929

Delta R.T. -0.00 min

Lab File: BE098199.D

Acq: 12 Nov 2018 21:17

Instrument :

BNA_E

ClientSampleId :

PB114586BS

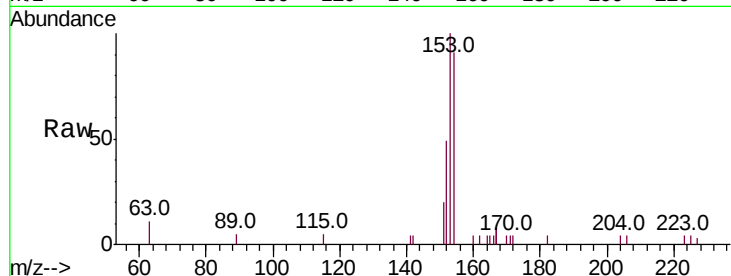
Tot Ion:154 Resp: 1916

Ion Ratio Lower Upper

154 100

153 113.7 92.1 138.1

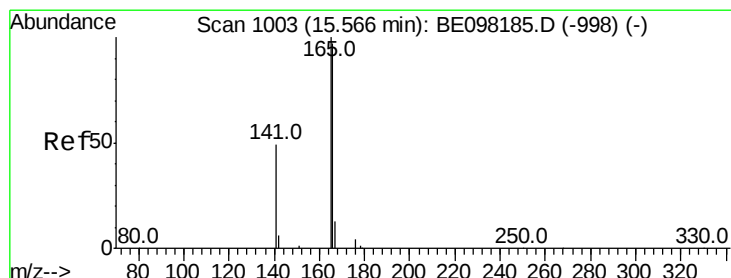
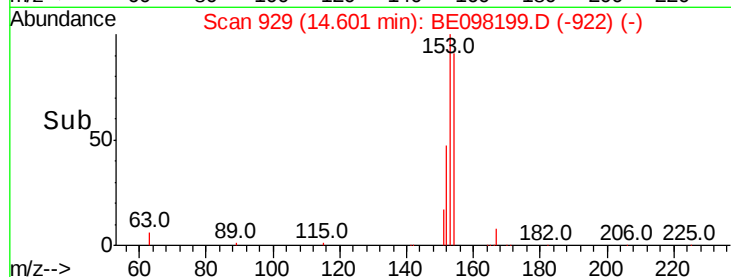
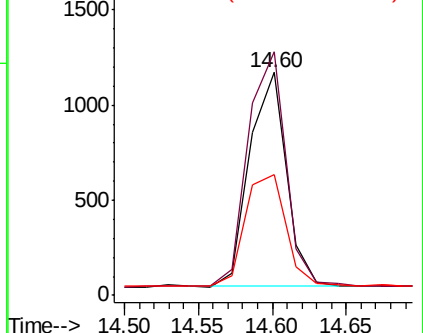
152 57.6 46.2 69.2



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: 0.298 ng

RT: 15.58 min Scan# 1003

Delta R.T. 0.01 min

Lab File: BE098199.D

Acq: 12 Nov 2018 21:17

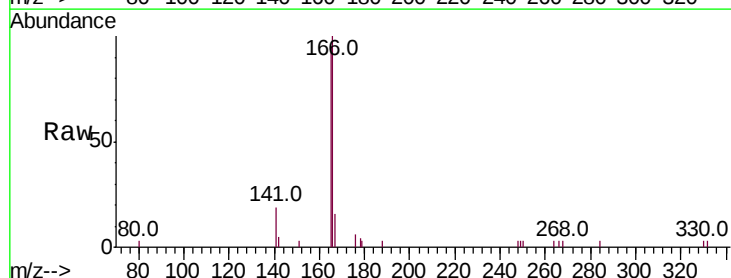
Tgt Ion:166 Resp: 2686

Ion Ratio Lower Upper

166 100

165 98.6 80.1 120.1

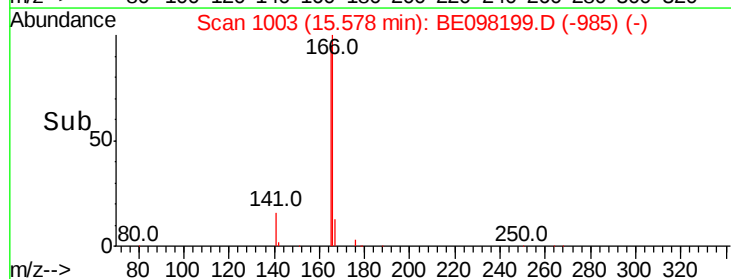
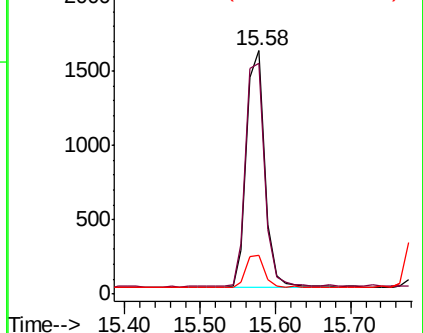
167 13.9 10.8 16.2

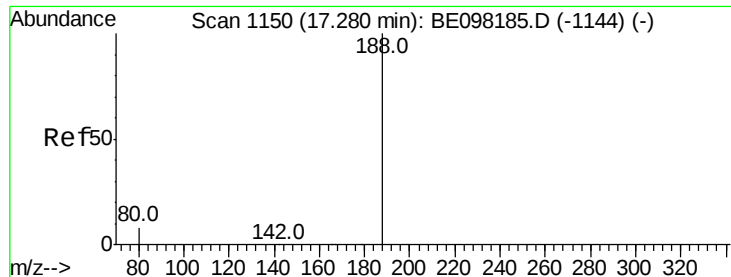


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.28 min Scan# 1149

Delta R.T. -0.00 min

Lab File: BE098199.D

Acq: 12 Nov 2018 21:17

Instrument :

BNA_E

ClientSampleId :

PB114586BS

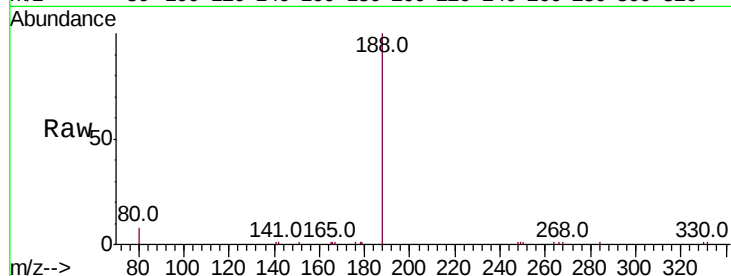
Tot Ion:188 Resp: 7290

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

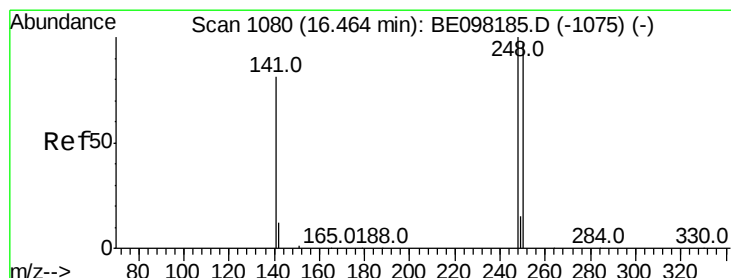
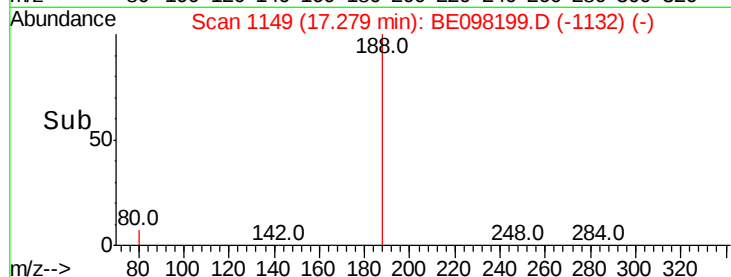
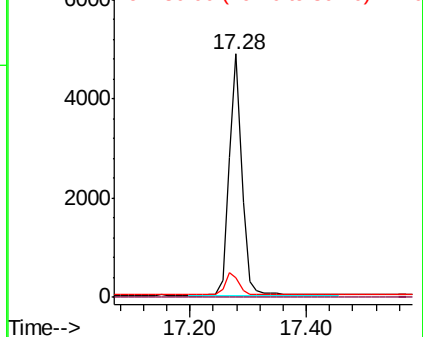
80 8.1 6.7 10.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.228 ng

RT: 16.46 min Scan# 1079

Delta R.T. -0.00 min

Lab File: BE098199.D

Acq: 12 Nov 2018 21:17

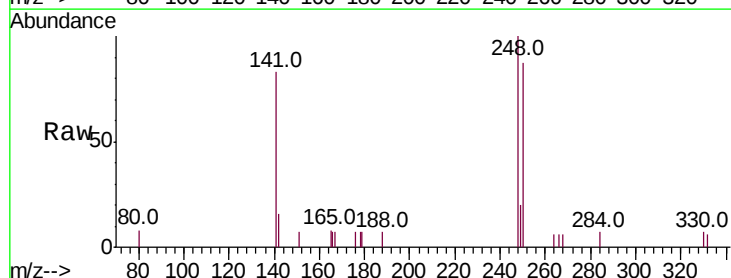
Tgt Ion:248 Resp: 1012

Ion Ratio Lower Upper

248 100

250 87.4 77.6 116.4

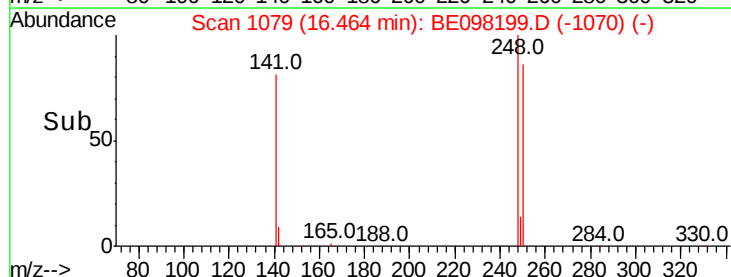
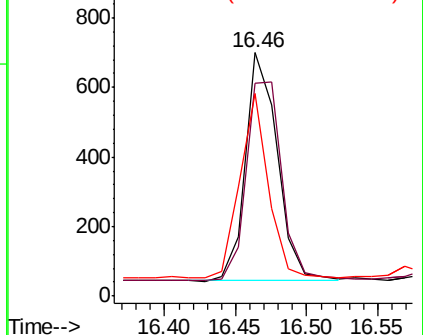
141 83.3 65.8 98.8

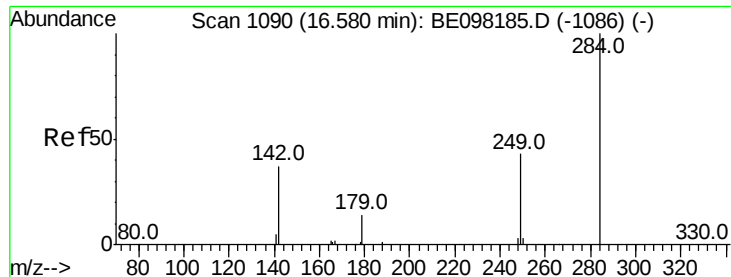


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

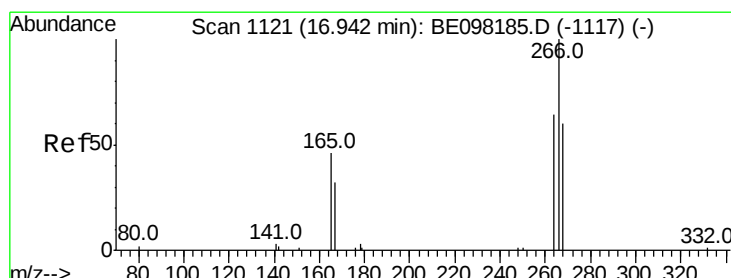
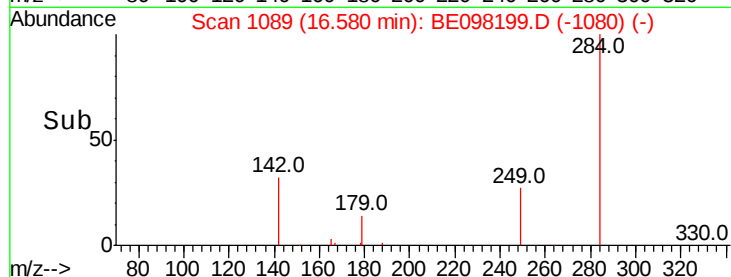
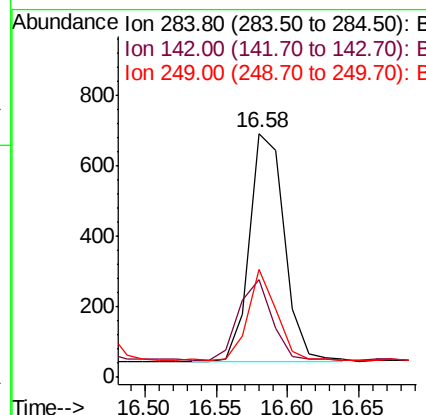
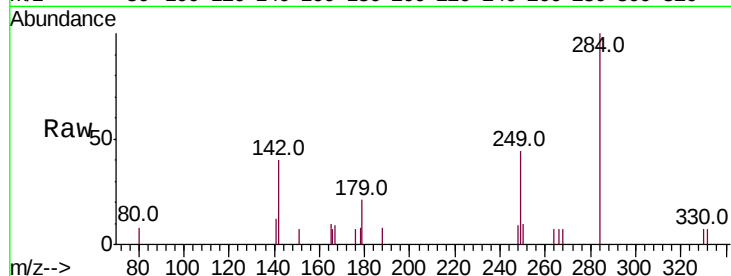




#21
Hexachlorobenzene
Concen: 0.237 ng
RT: 16.58 min Scan# 1089
Delta R.T. -0.00 min
Lab File: BE098199.D
Acq: 12 Nov 2018 21:17

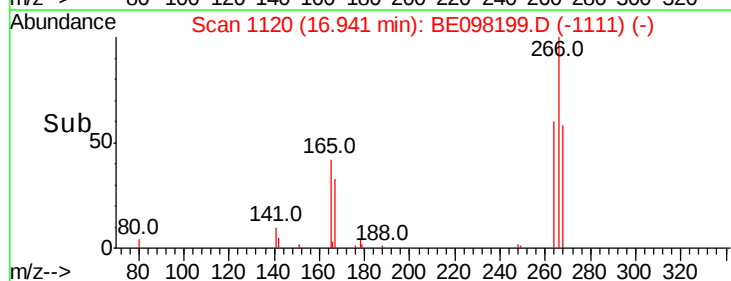
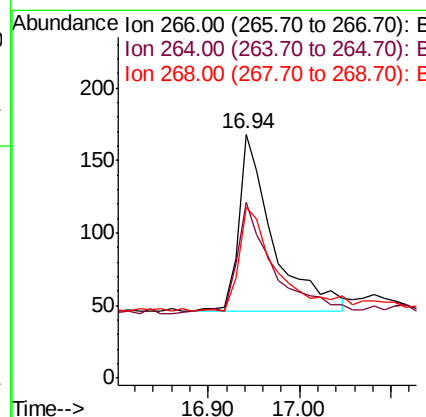
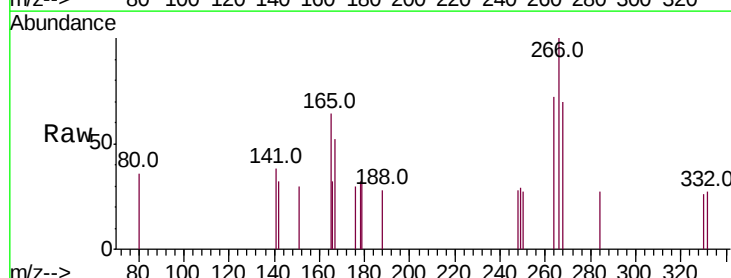
Instrument :
BNA_E
ClientSampleId :
PB114586BS

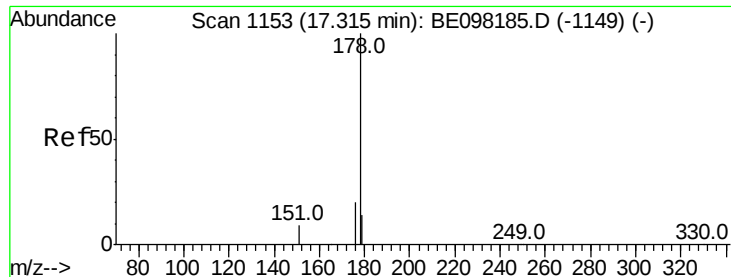
Tot Ion:284	Resp:	1097
Ion Ratio	Lower	Upper
284	100	
142	34.5	26.5 39.7
249	32.4	28.4 42.6



#22
Pentachlorophenol
Concen: 0.390 ng
RT: 16.94 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE098199.D
Acq: 12 Nov 2018 21:17

Tgt Ion:266	Resp:	320
Ion Ratio	Lower	Upper
266	100	
264	72.0	57.6 86.4
268	70.2	56.8 85.2





#23

Phenanthrene

Concen: 0.290 ng

RT: 17.31 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BE098199.D

Acq: 12 Nov 2018 21:17

Instrument :

BNA_E

ClientSampleId :

PB114586BS

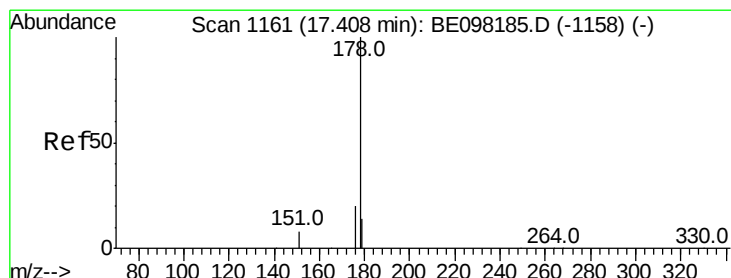
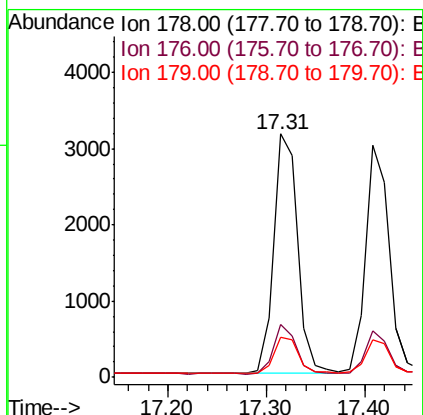
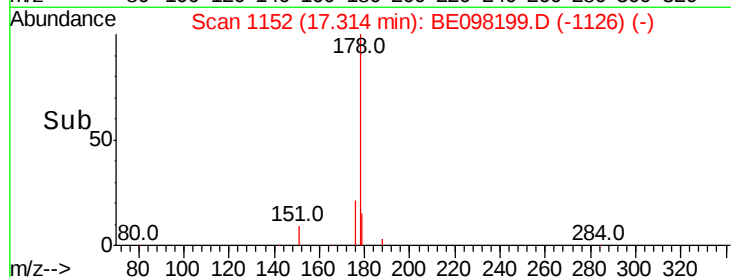
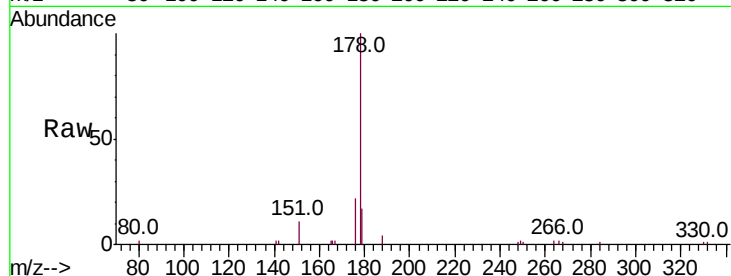
Tot Ion:178 Resp: 5265

Ion Ratio Lower Upper

178 100

176 19.2 15.8 23.8

179 14.9 12.3 18.5



#24

Anthracene

Concen: 0.291 ng

RT: 17.41 min Scan# 1160

Delta R.T. -0.00 min

Lab File: BE098199.D

Acq: 12 Nov 2018 21:17

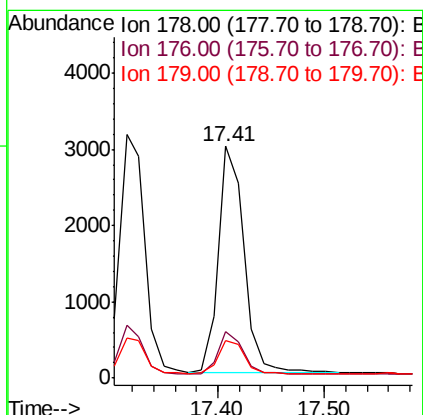
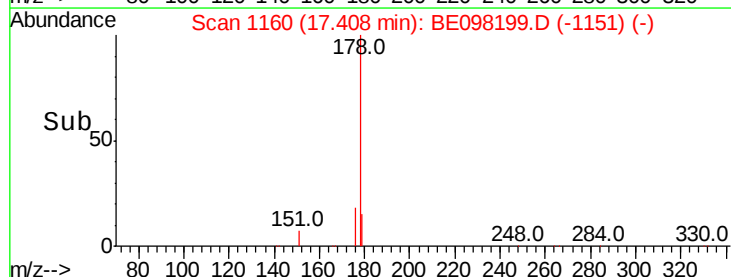
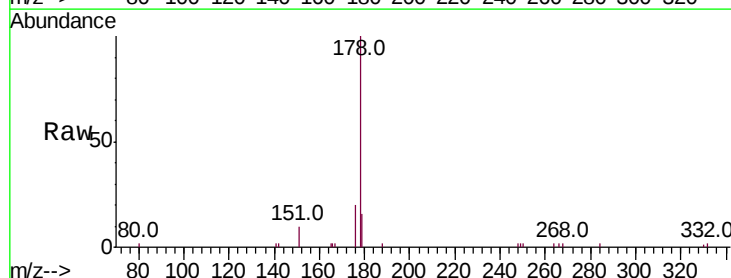
Tgt Ion:178 Resp: 4930

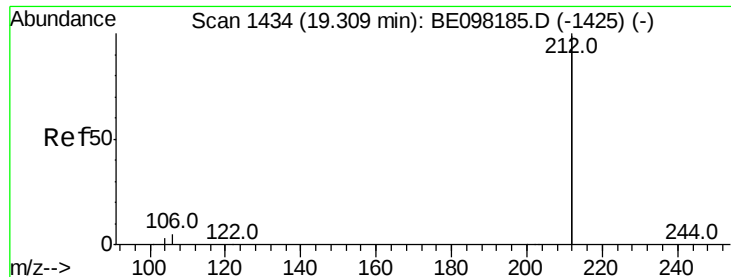
Ion Ratio Lower Upper

178 100

176 18.5 15.7 23.5

179 15.2 12.1 18.1





#25

Fluoranthene-d10

Concen: 0.282 ng

RT: 19.31 min Scan# 1433

Delta R.T. -0.00 min

Lab File: BE098199.D

Acq: 12 Nov 2018 21:17

Instrument :

BNA_E

ClientSampleId :

PB114586BS

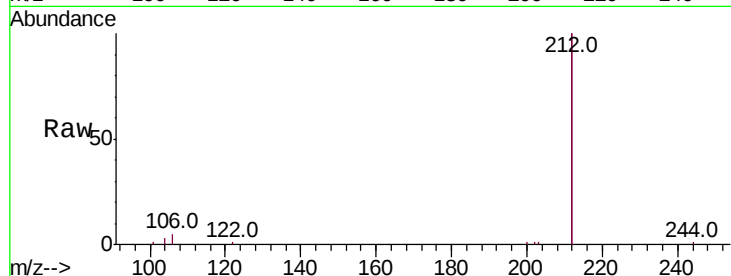
Tot Ion:212 Resp: 25644

Ion Ratio Lower Upper

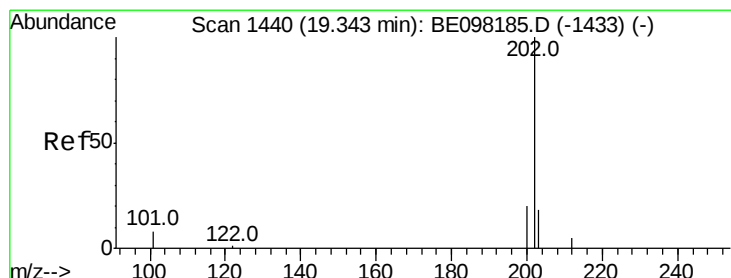
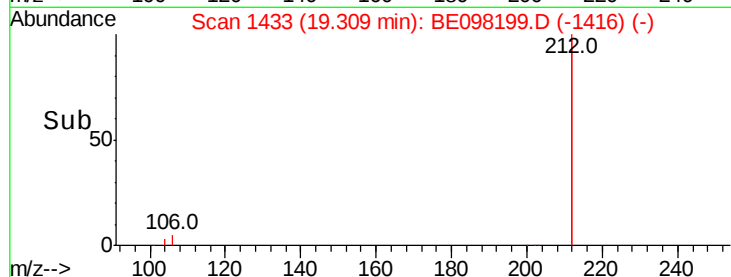
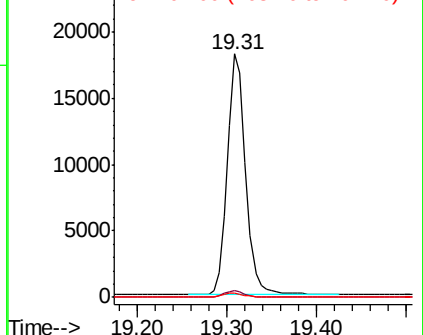
212 100

106 2.5 1.8 2.8

104 1.4 1.1 1.7



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: 0.309 ng

RT: 19.34 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BE098199.D

Acq: 12 Nov 2018 21:17

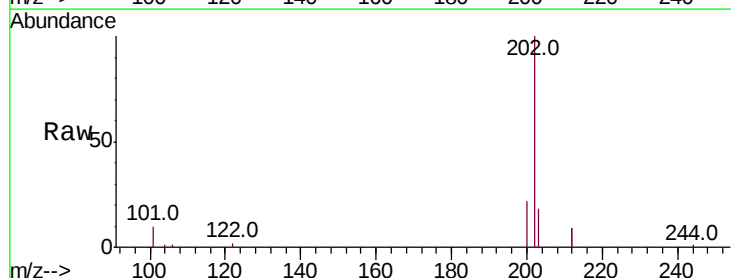
Tgt Ion:202 Resp: 6945

Ion Ratio Lower Upper

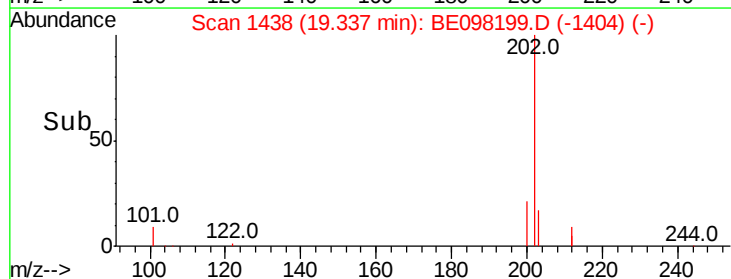
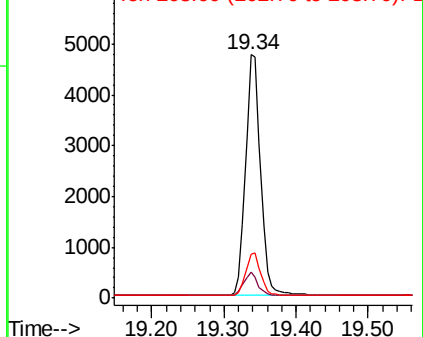
202 100

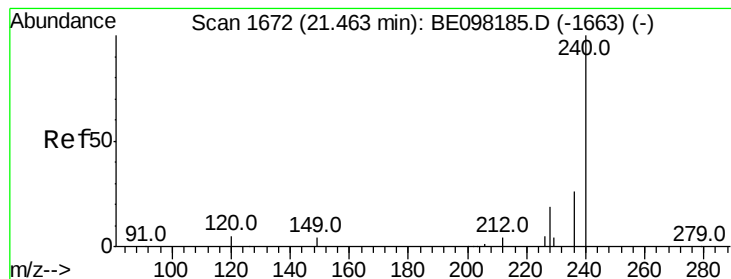
101 8.8 7.0 10.6

203 17.2 13.7 20.5



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: 21.46 min Scan# 1671

Delta R.T. 0.00 min

Lab File: BE098199.D

Acq: 12 Nov 2018 21:17

Instrument :

BNA_E

ClientSampleId :

PB114586BS

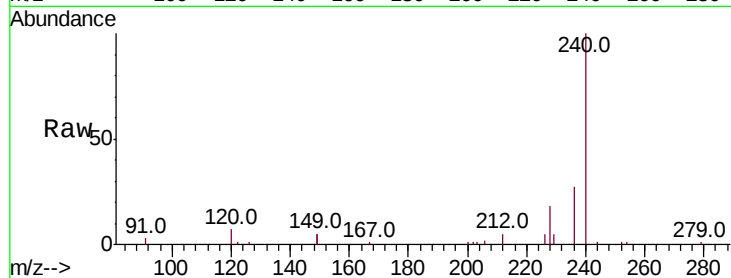
Tot Ion:240 Resp: 9096

Ion Ratio Lower Upper

240 100

120 6.9 4.8 7.2

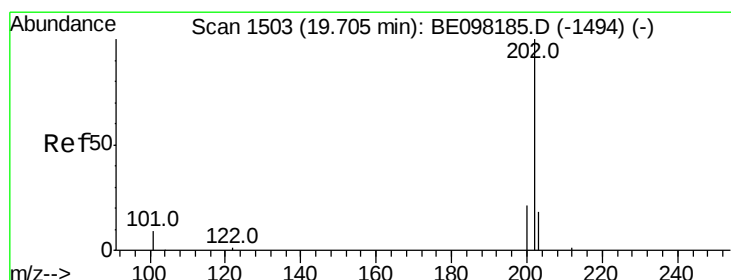
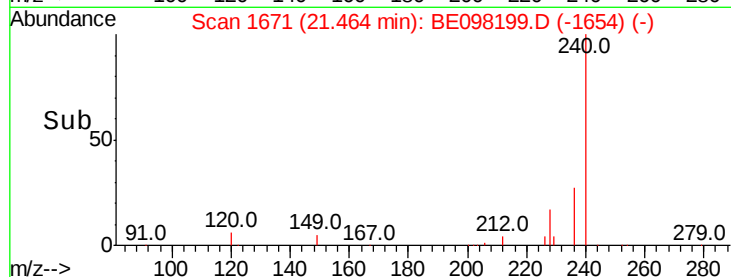
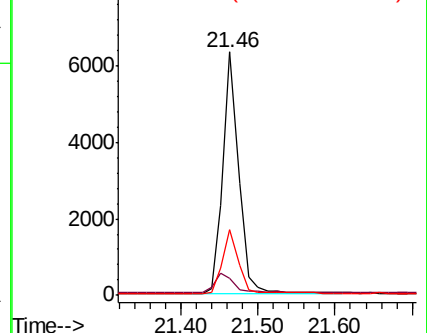
236 27.1 21.4 32.0



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: 0.282 ng

RT: 19.71 min Scan# 1502

Delta R.T. -0.00 min

Lab File: BE098199.D

Acq: 12 Nov 2018 21:17

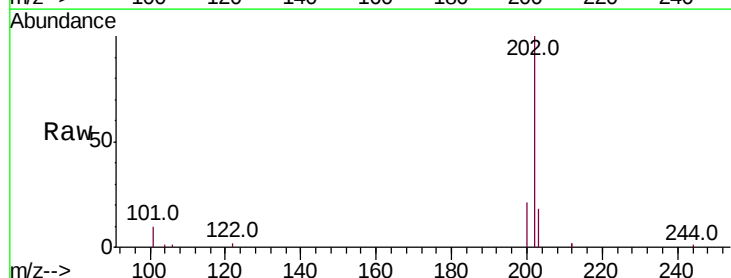
Tgt Ion:202 Resp: 7065

Ion Ratio Lower Upper

202 100

200 21.2 17.2 25.8

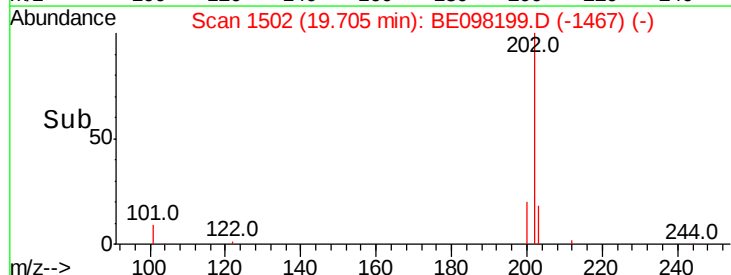
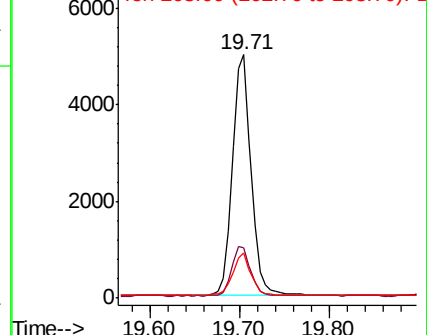
203 17.7 14.2 21.4

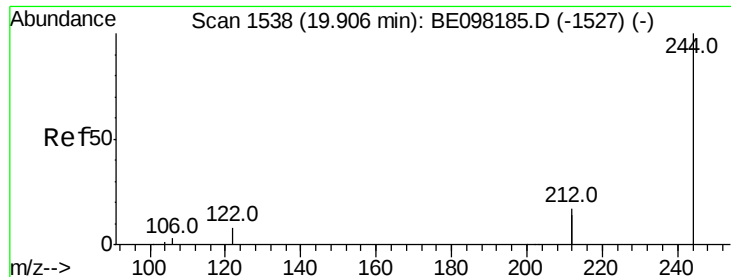


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.799 ng

RT: 19.91 min Scan# 1537

Delta R.T. -0.00 min

Lab File: BE098199.D

Acq: 12 Nov 2018 21:17

Instrument :

BNA_E

ClientSampleId :

PB114586BS

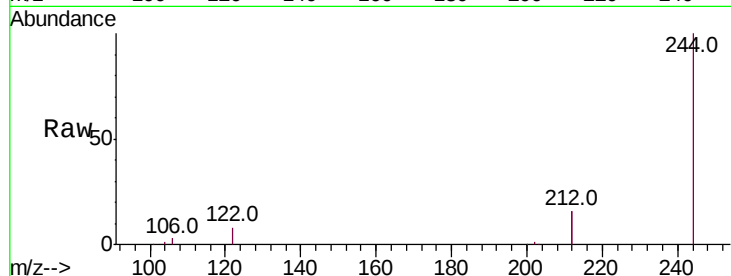
Tot Ion:244 Resp: 16494

Ion Ratio Lower Upper

244 100

212 32.3 26.8 40.2

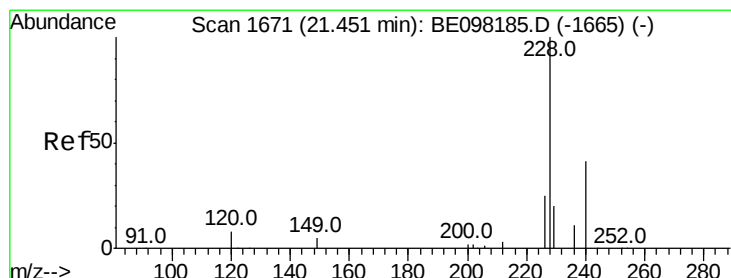
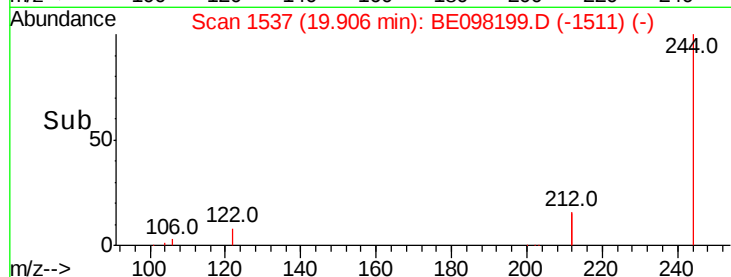
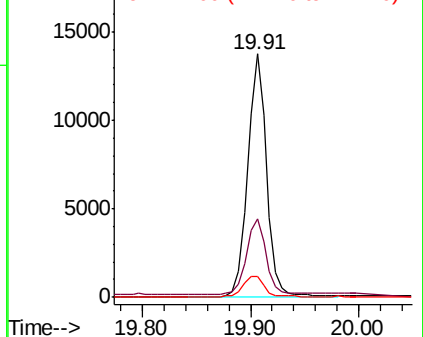
122 8.5 7.0 10.6



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: 0.294 ng

RT: 21.45 min Scan# 1670

Delta R.T. 0.00 min

Lab File: BE098199.D

Acq: 12 Nov 2018 21:17

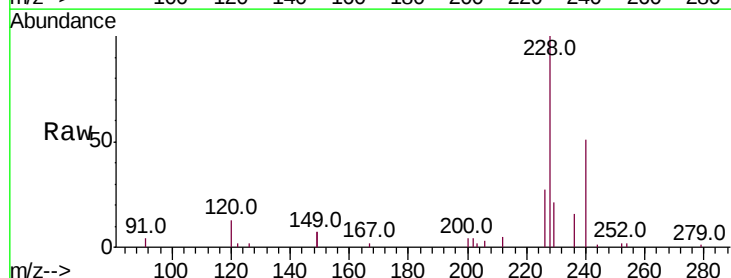
Tgt Ion:228 Resp: 7591

Ion Ratio Lower Upper

228 100

226 26.9 20.7 31.1

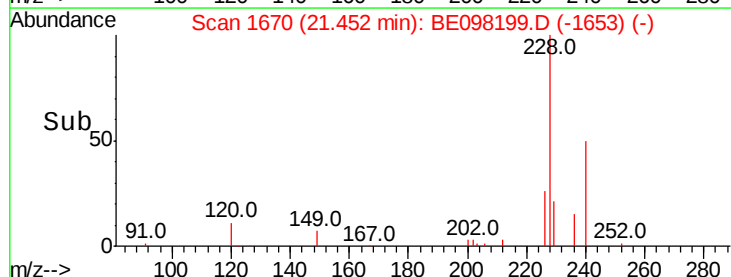
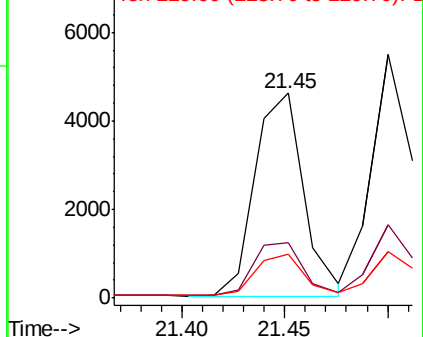
229 21.4 16.2 24.4

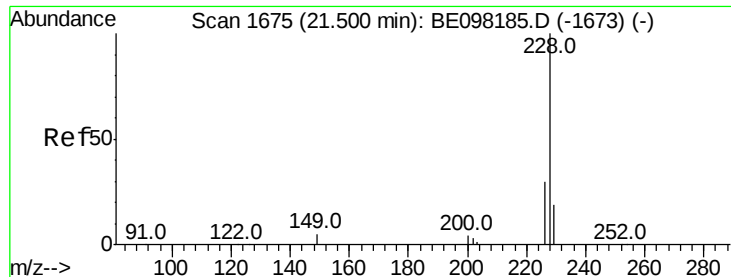


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.293 ng

RT: 21.50 min Scan# 1674

Delta R.T. 0.00 min

Lab File: BE098199.D

Acq: 12 Nov 2018 21:17

Instrument :

BNA_E

ClientSampleId :

PB114586BS

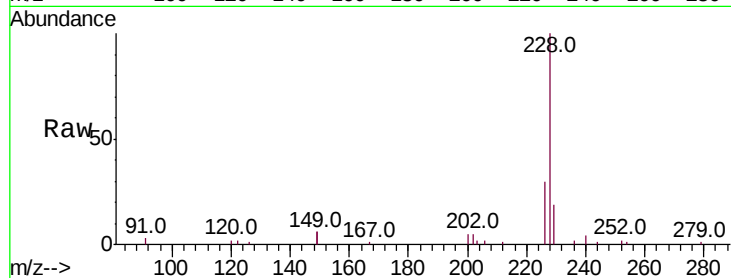
Tot Ion:228 Resp: 7682

Ion Ratio Lower Upper

228 100

226 30.1 24.6 36.8

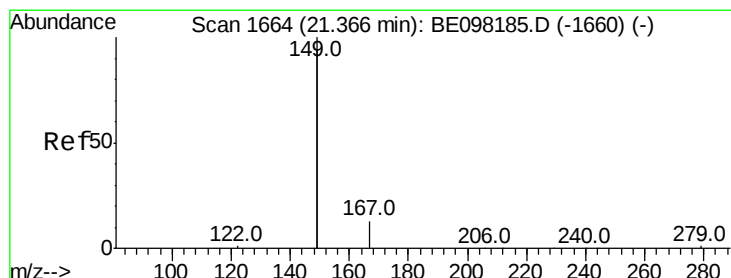
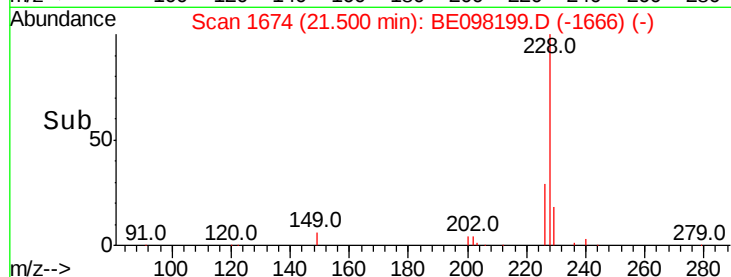
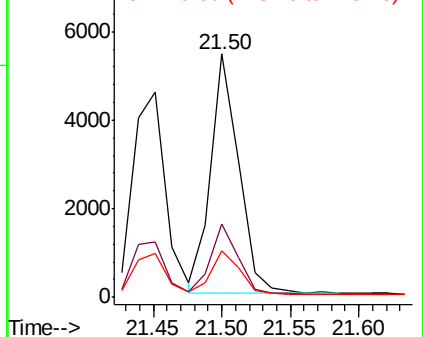
229 19.1 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.279 ng

RT: 21.37 min Scan# 1663

Delta R.T. 0.00 min

Lab File: BE098199.D

Acq: 12 Nov 2018 21:17

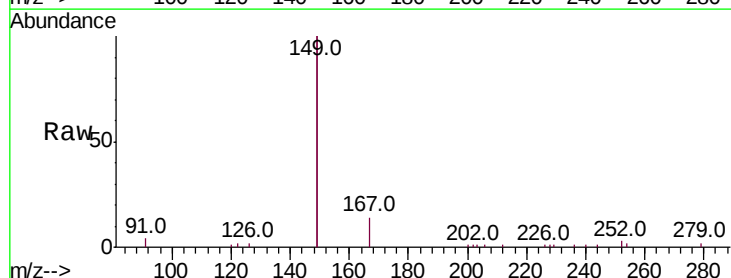
Tgt Ion:149 Resp: 14960

Ion Ratio Lower Upper

149 100

167 7.3 5.6 8.4

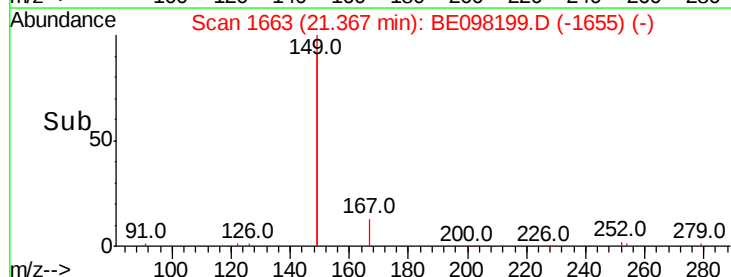
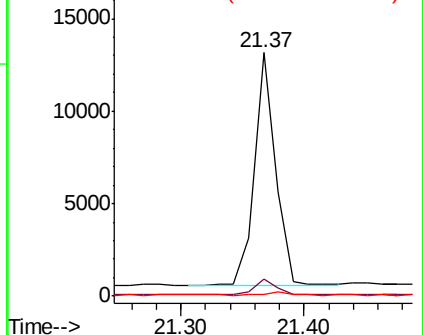
279 1.2 0.9 1.3

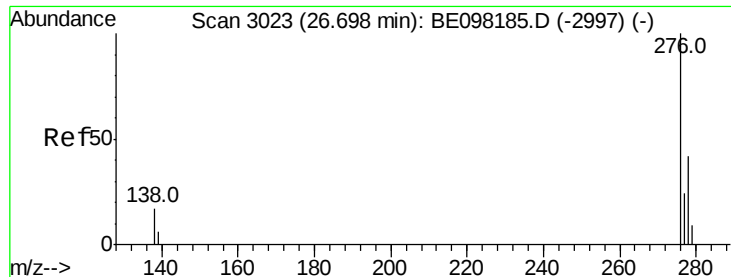


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.296 ng

RT: 26.71 min Scan# 3024

Delta R.T. 0.01 min

Lab File: BE098199.D

Acq: 12 Nov 2018 21:17

Instrument :

BNA_E

ClientSampleId :

PB114586BS

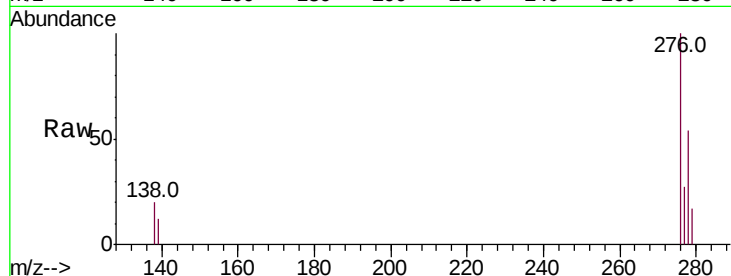
Tot Ion:276 Resp: 7130

Ion Ratio Lower Upper

276 100

138 11.4 6.4 9.6#

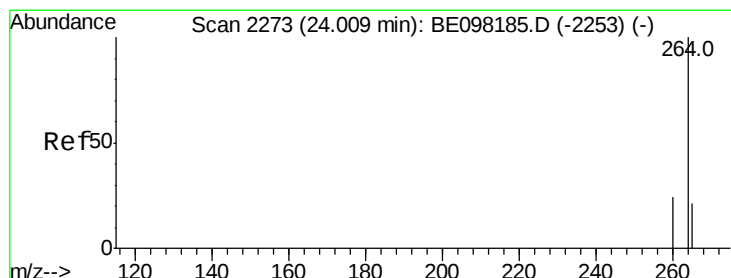
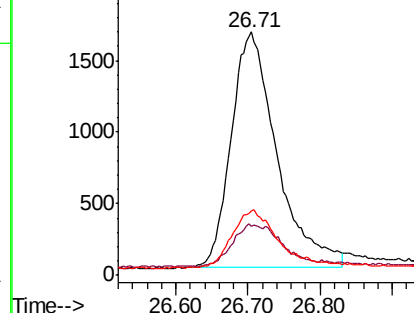
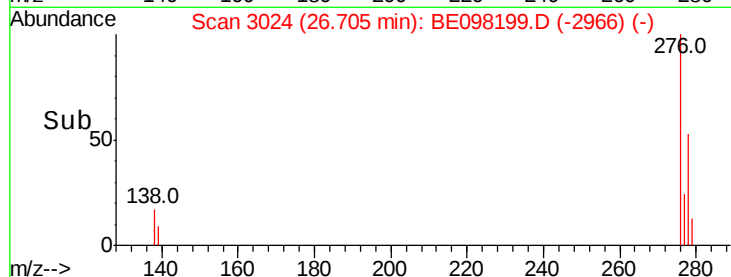
277 25.1 18.9 28.3



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: 24.01 min Scan# 2272

Delta R.T. 0.00 min

Lab File: BE098199.D

Acq: 12 Nov 2018 21:17

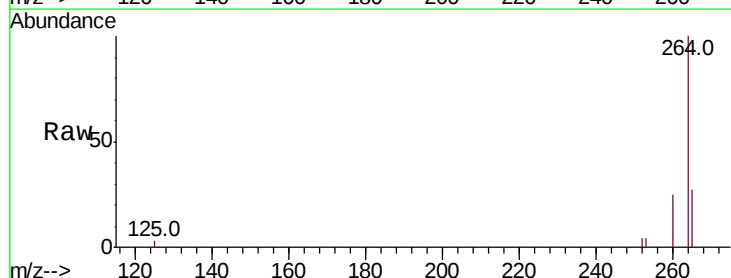
Tgt Ion:264 Resp: 8491

Ion Ratio Lower Upper

264 100

260 25.4 19.9 29.9

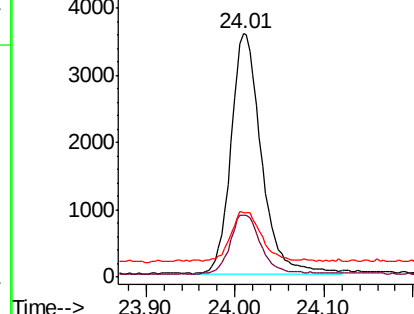
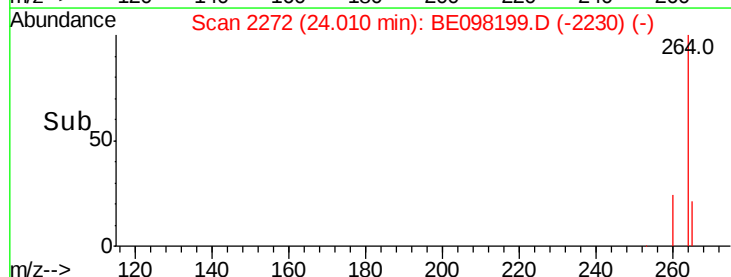
265 26.5 21.3 31.9

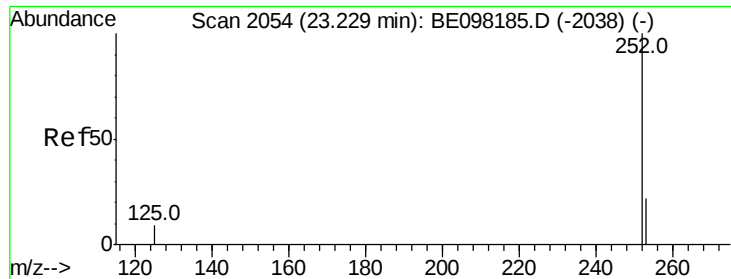


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.300 ng

RT: 23.23 min Scan# 2053

Delta R.T. 0.00 min

Lab File: BE098199.D

Acq: 12 Nov 2018 21:17

Instrument :

BNA_E

ClientSampleId :

PB114586BS

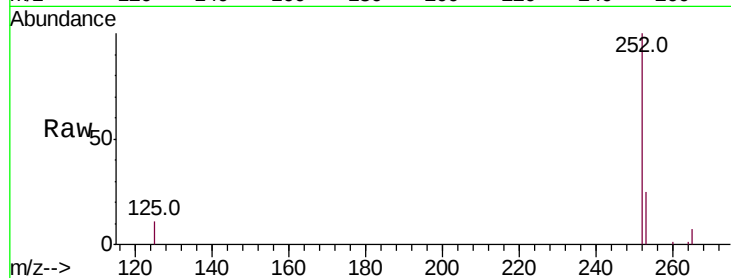
Tot Ion:252 Resp: 7218

Ion Ratio Lower Upper

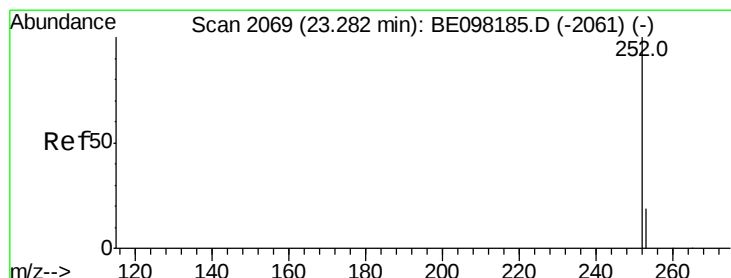
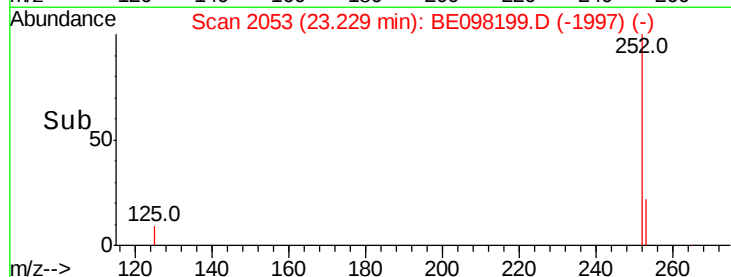
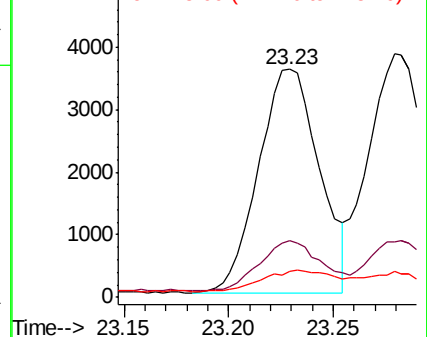
252 100

253 24.8 19.4 29.0

125 11.4 8.6 12.8



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



#36

Benzo(k)fluoranthene

Concen: 0.302 ng

RT: 23.28 min Scan# 2067

Delta R.T. -0.00 min

Lab File: BE098199.D

Acq: 12 Nov 2018 21:17

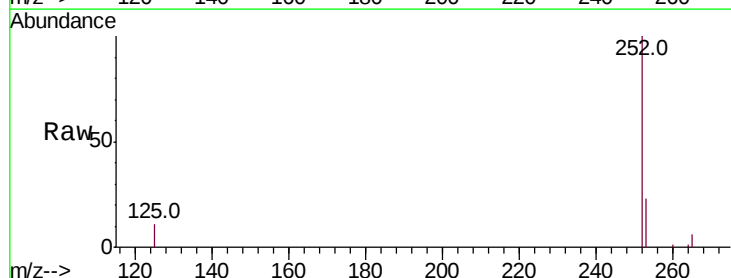
Tgt Ion:252 Resp: 7679

Ion Ratio Lower Upper

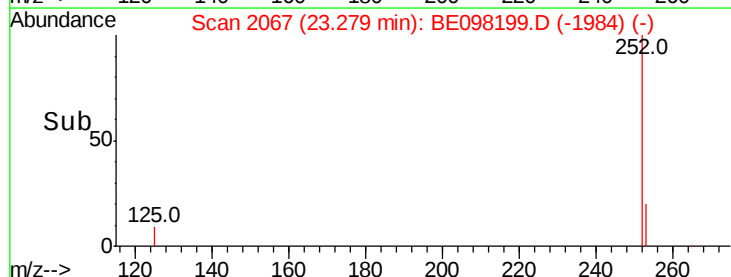
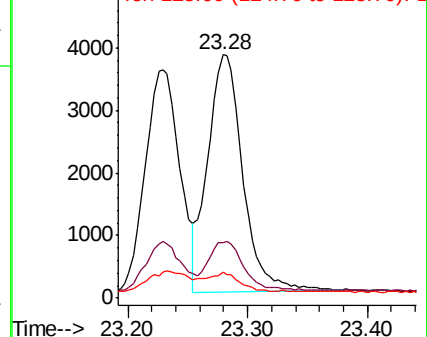
252 100

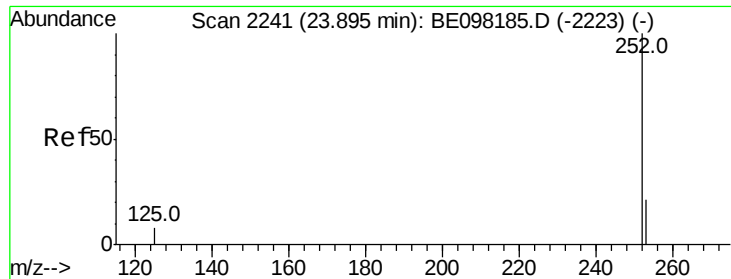
253 22.7 18.6 28.0

125 10.8 7.4 11.0



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

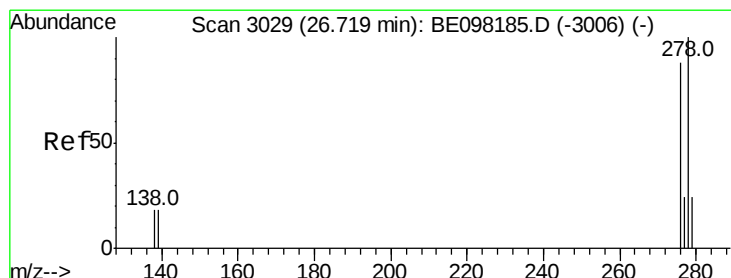
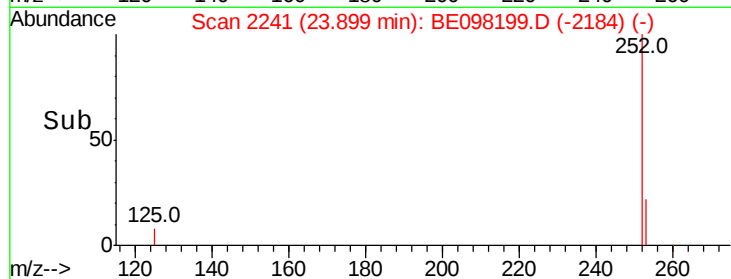
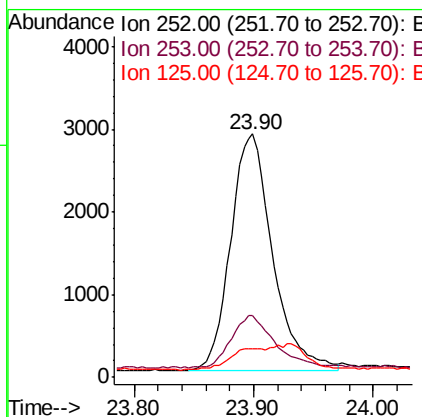
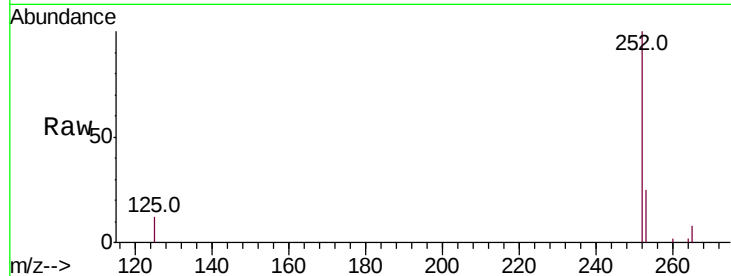




#37
Benzo(a)pyrene
Concen: 0.302 ng
RT: 23.90 min Scan# 2241
Delta R.T. 0.00 min
Lab File: BE098199.D
Acq: 12 Nov 2018 21:17

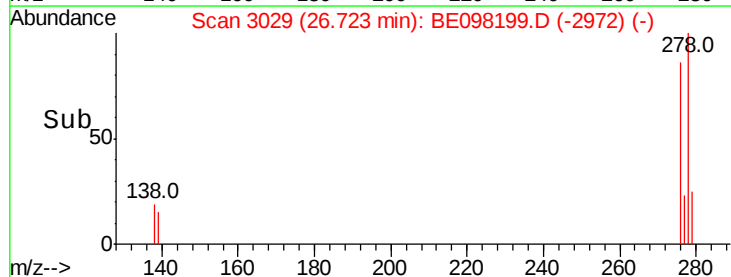
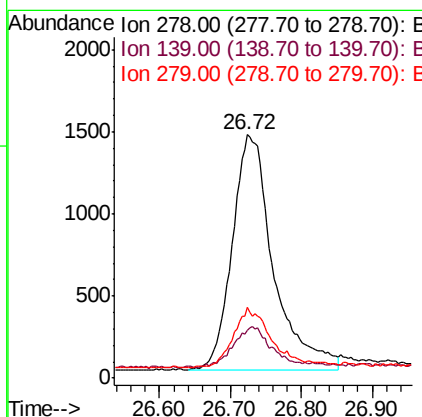
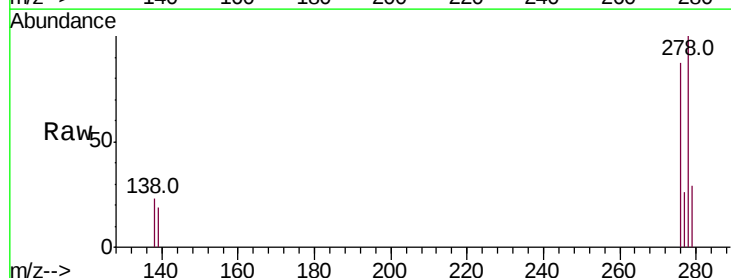
Instrument :
BNA_E
ClientSampleId :
PB114586BS

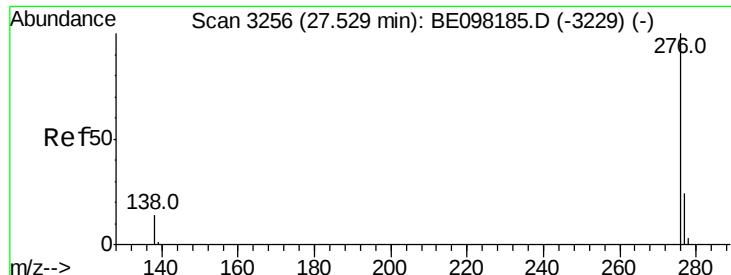
Tot Ion:252 Resp: 6974
Ion Ratio Lower Upper
252 100
253 25.2 18.6 27.8
125 11.8 8.0 12.0



#38
Dibenzo(a,h)anthracene
Concen: 0.295 ng
RT: 26.72 min Scan# 3029
Delta R.T. 0.00 min
Lab File: BE098199.D
Acq: 12 Nov 2018 21:17

Tgt Ion:278 Resp: 5814
Ion Ratio Lower Upper
278 100
139 19.5 16.4 24.6
279 29.2 21.3 31.9





#39

Benzo(a,h,i)perylene

Concen: 0.296 ng

RT: 27.53 min Scan# 3254

Delta R.T. -0.00 min

Lab File: BE098199.D

Acq: 12 Nov 2018 21:17

Instrument :

BNA_E

ClientSampleId :

PB114586BS

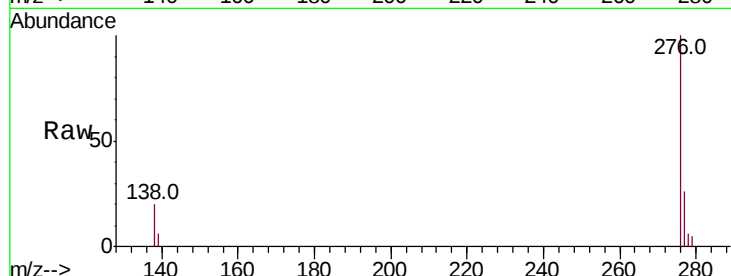
Tot Ion:276 Resp: 6072

Ion Ratio Lower Upper

276 100

277 26.5 20.4 30.6

138 20.0 13.2 19.8#



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

