

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121218\
 Data File : BE098391.D
 Acq On : 13 Dec 2018 11:32
 Operator : SJ/JU
 Sample : J6325-10MSD
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE-131D1-20181205MSD

Quant Time: Dec 13 14:12:36 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	7.87	152	907	0.40	ng	0.01
7) Naphthalene-d8	10.67	136	3912	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	2395	0.40	ng	0.00
19) Phenanthrene-d10	17.28	188	6703	0.40	ng	0.00
27) Chrysene-d12	21.46	240	8120	0.40	ng	0.00
34) Perylene-d12	24.01	264	7634	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.46	112	549	0.26	ng	0.01
5) Phenol-d6	7.06	99	440	0.15	ng	0.01
8) Nitrobenzene-d5	9.03	82	1515	0.43	ng	0.01
11) 2-Methylnaphthalene-d10	12.27	152	2933	0.46	ng	0.00
14) 2,4,6-Tribromophenol	16.02	330	581	0.66	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	5511	0.55	ng	0.00
25) Fluoranthene-d10	19.31	212	40079	0.47	ng	0.00
29) Terphenyl-d14	19.91	244	8528	0.43	ng	0.00

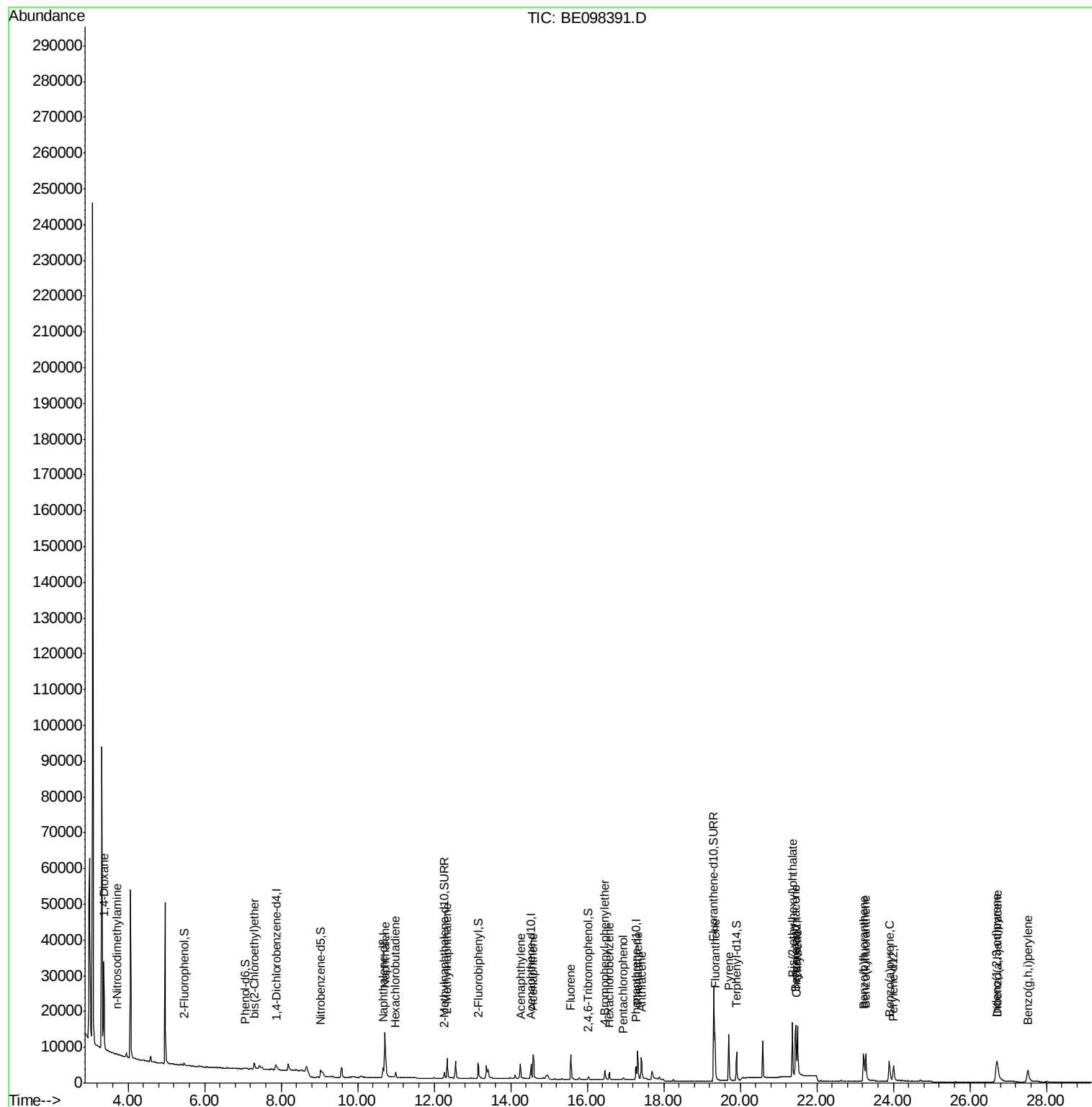
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.36	88	11862	7.562	ng	98
3) n-Nitrosodimethylamine	3.71	42	153	0.108	ng	# 100
6) bis(2-Chloroethyl)ether	7.30	93	1042	0.365	ng	93
9) Naphthalene	10.72	128	25411	0.645	ng	100
10) Hexachlorobutadiene	10.99	225	1034	0.413	ng	95
12) 2-Methylnaphthalene	12.34	142	4606	0.720	ng	99
16) Acenaphthylene	14.25	152	6120	0.545	ng	99
17) Acenaphthene	14.59	154	3527	0.523	ng	96
18) Fluorene	15.57	166	5147	0.571	ng	99
20) 4-Bromophenyl-phenylether	16.46	248	1717	0.476	ng	96
21) Hexachlorobenzene	16.58	284	1705	0.440	ng	96
22) Pentachlorophenol	16.94	266	429	0.635	ng	97
23) Phenanthrene	17.32	178	9169	0.563	ng	99
24) Anthracene	17.41	178	7971	0.549	ng	100
26) Fluoranthene	19.34	202	12842	0.596	ng	98
28) Pyrene	19.70	202	13139	0.516	ng	99
30) Benzo(a)anthracene	21.44	228	12898	0.558	ng	98
31) Chrysene	21.50	228	13527	0.558	ng	99
32) Bis(2-ethylhexyl)phthalate	21.37	149	18735	0.399	ng	99
33) Indeno(1,2,3-cd)pyrene	26.69	276	12209	0.507	ng	98
35) Benzo(b)fluoranthene	23.22	252	11897	0.570	ng	98
36) Benzo(k)fluoranthene	23.28	252	14395	0.592	ng	97
37) Benzo(a)pyrene	23.89	252	12195	0.566	ng	98
38) Dibenzo(a,h)anthracene	26.72	278	10155	0.500	ng	98
39) Benzo(g,h,i)perylene	27.52	276	9713	0.475	ng	99

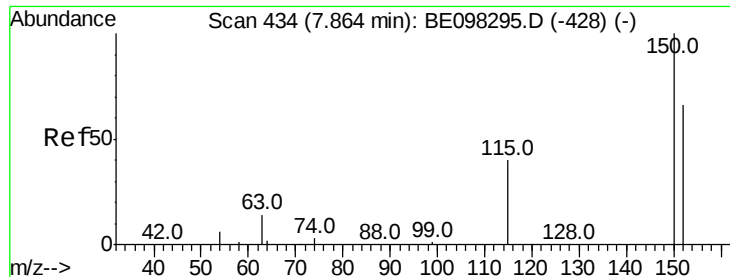
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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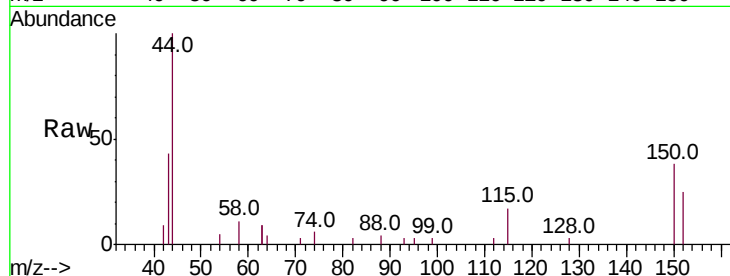


#1

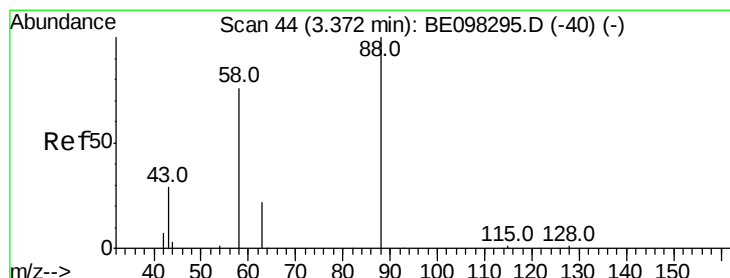
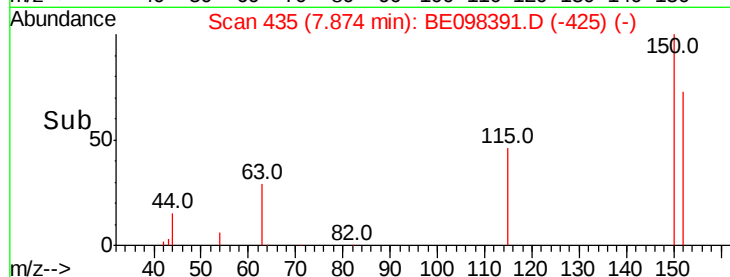
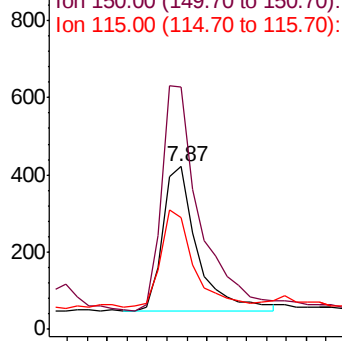
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.87 min Scan# 435
Delta R.T. 0.01 min
Lab File: BE098391.D
Acq: 13 Dec 2018 11:32

Instrument :
BNA_E
ClientSampleId :
RE-131D1-20181205MSD

Tot Ion:152 Resp: 907
Ion Ratio Lower Upper
152 100
150 149.4 124.2 186.4
115 68.4 53.9 80.9



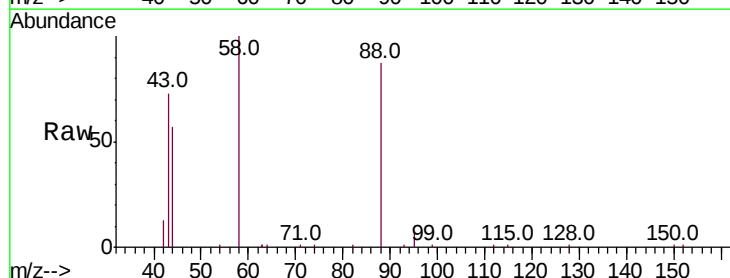
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



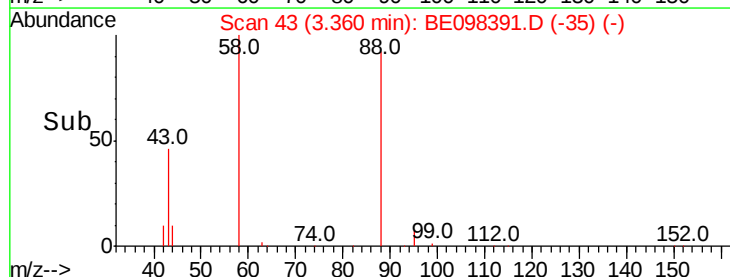
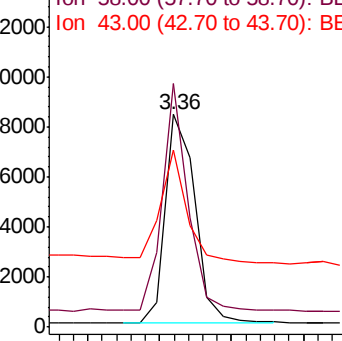
#2

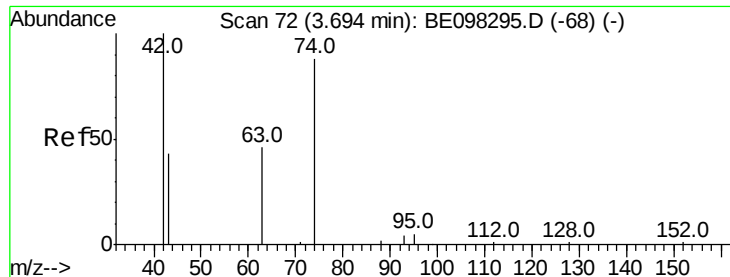
1,4-Dioxane
Concen: 7.562 ng
RT: 3.36 min Scan# 43
Delta R.T. -0.01 min
Lab File: BE098391.D
Acq: 13 Dec 2018 11:32

Tgt Ion: 88 Resp: 11862
Ion Ratio Lower Upper
88 100
58 92.5 75.0 112.6
43 49.6 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





#3

n-Nitrosodimethylamine

Concen: 0.108 ng

RT: 3.71 min Scan# 73

Delta R.T. 0.01 min

Lab File: BE098391.D

Acq: 13 Dec 2018 11:32

Instrument :

BNA_E

ClientSampleId :

RE-131D1-20181205MSD

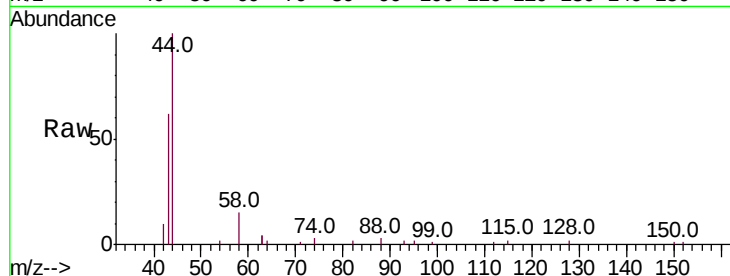
Tot Ion: 42 Resp: 153

Ion Ratio Lower Upper

42 100

74 111.8 0.0 0.0#

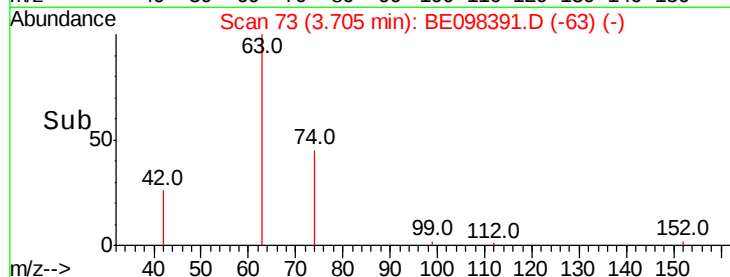
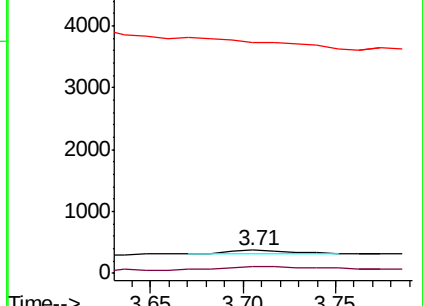
44 0.0 0.0 0.0



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.259 ng

RT: 5.46 min Scan# 225

Delta R.T. 0.01 min

Lab File: BE098391.D

Acq: 13 Dec 2018 11:32

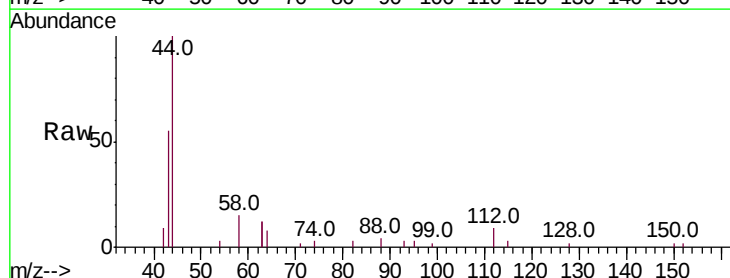
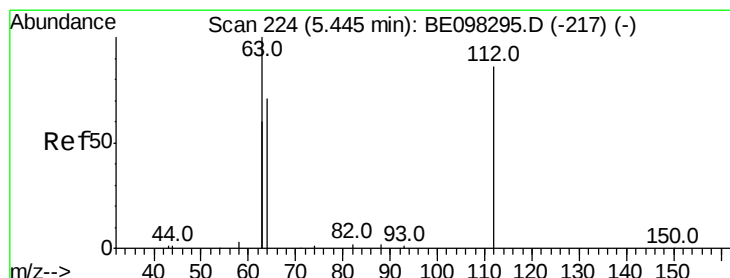
Tgt Ion: 112 Resp: 549

Ion Ratio Lower Upper

112 100

64 72.3 59.8 89.8

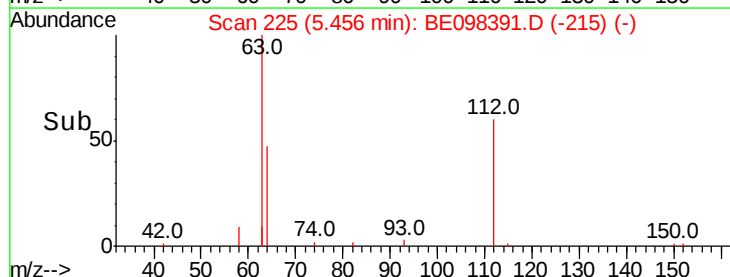
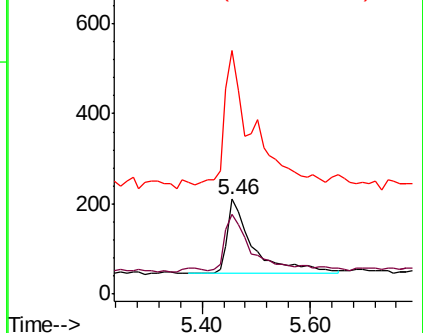
63 194.2 133.7 200.5

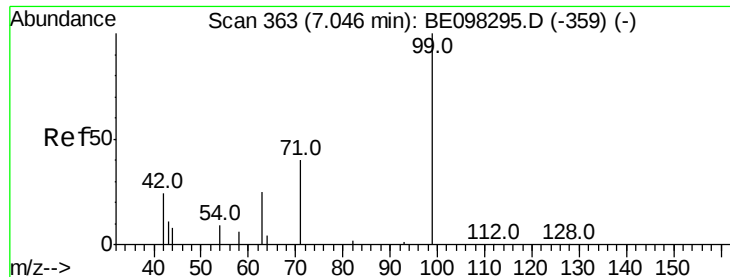


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.146 ng

RT: 7.06 min Scan# 364

Delta R.T. 0.01 min

Lab File: BE098391.D

Acq: 13 Dec 2018 11:32

Instrument :

BNA_E

ClientSampleId :

RE-131D1-20181205MSD

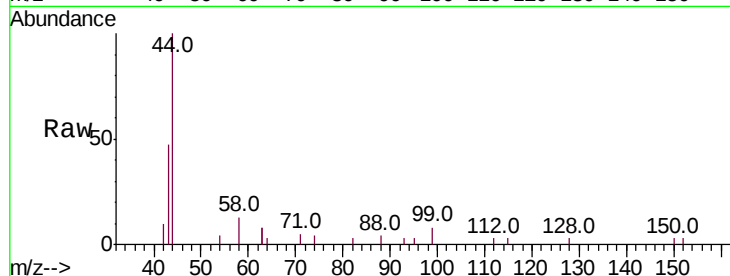
Tot Ion: 99 Resp: 440

Ion Ratio Lower Upper

99 100

42 34.8 26.3 39.5

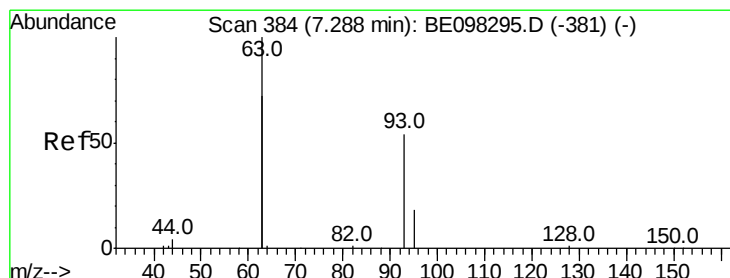
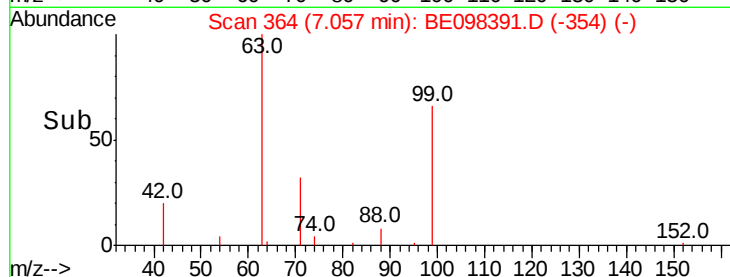
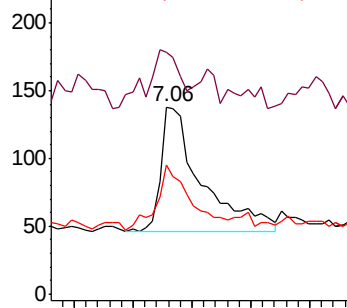
71 44.1 33.6 50.4



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: 0.365 ng

RT: 7.30 min Scan# 385

Delta R.T. 0.01 min

Lab File: BE098391.D

Acq: 13 Dec 2018 11:32

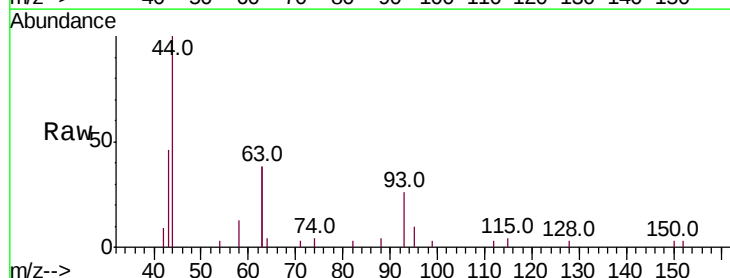
Tgt Ion: 93 Resp: 1042

Ion Ratio Lower Upper

93 100

63 347.1 264.4 396.6

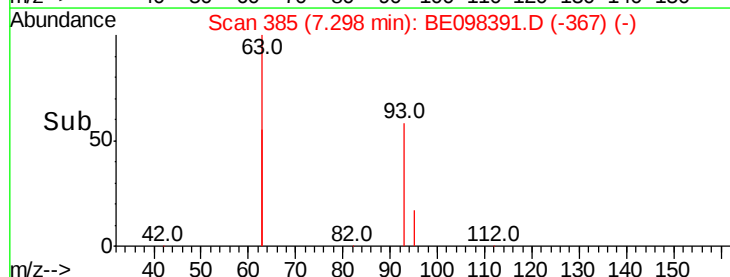
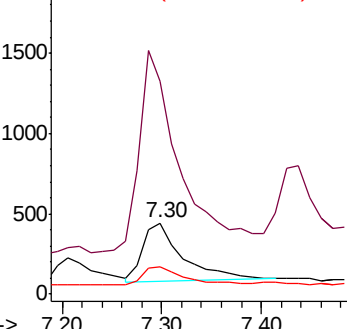
95 34.7 26.6 40.0

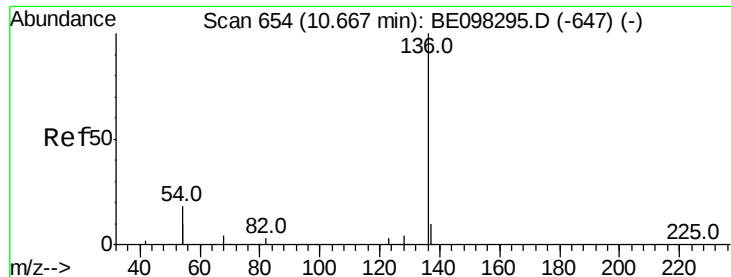


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.67 min Scan# 654

Delta R.T. -0.00 min

Lab File: BE098391.D

Acq: 13 Dec 2018 11:32

Instrument :

BNA_E

ClientSampleId :

RE-131D1-20181205MSD

Tot Ion:136 Resp: 3912

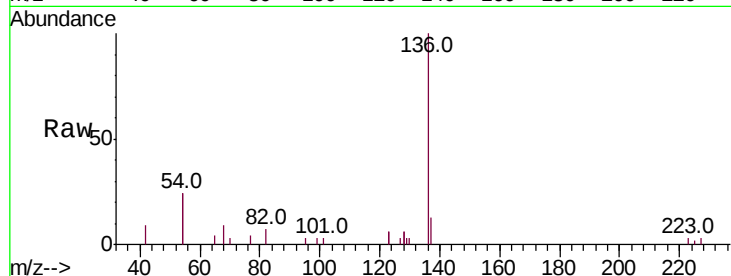
Ion Ratio Lower Upper

136 100

137 12.8 9.2 13.8

54 47.8 28.4 42.6#

68 9.3 5.4 8.0#

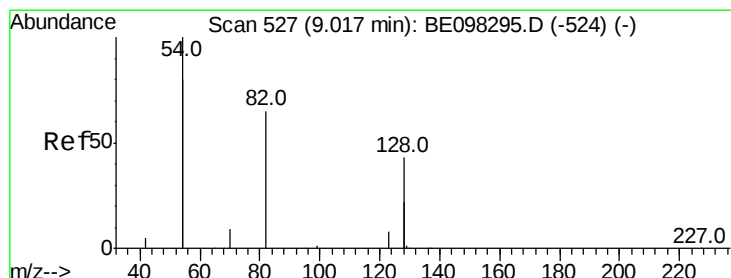
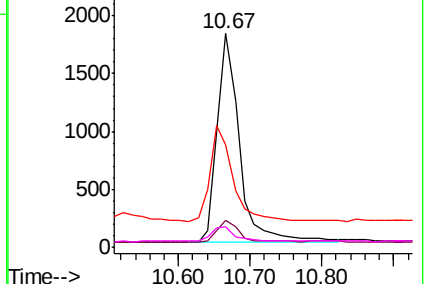
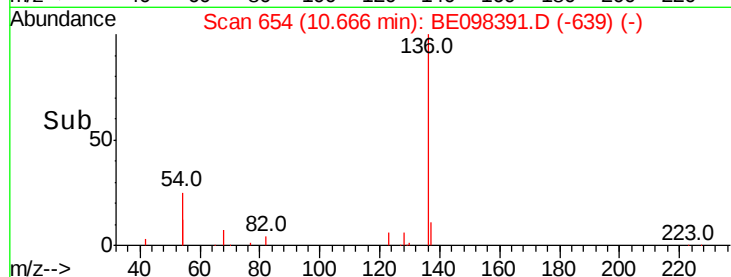


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.425 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.01 min

Lab File: BE098391.D

Acq: 13 Dec 2018 11:32

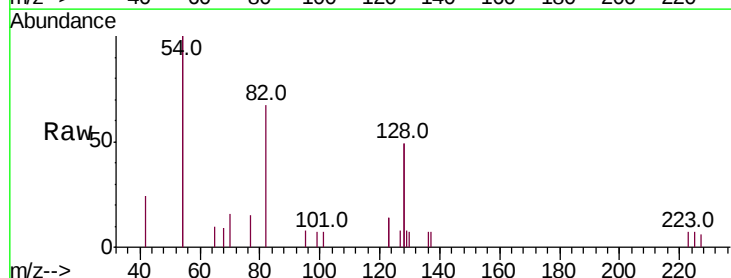
Tgt Ion: 82 Resp: 1515

Ion Ratio Lower Upper

82 100

128 147.4 102.4 153.6

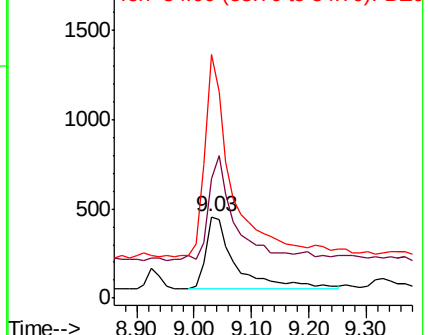
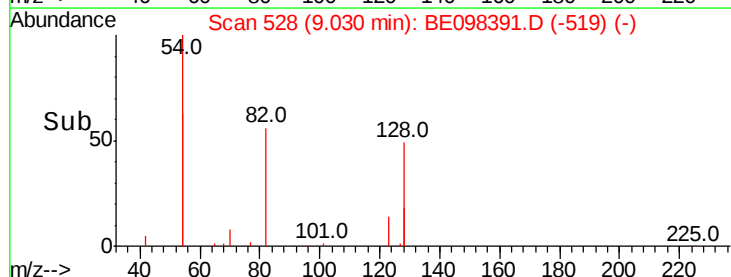
54 299.6 221.8 332.8

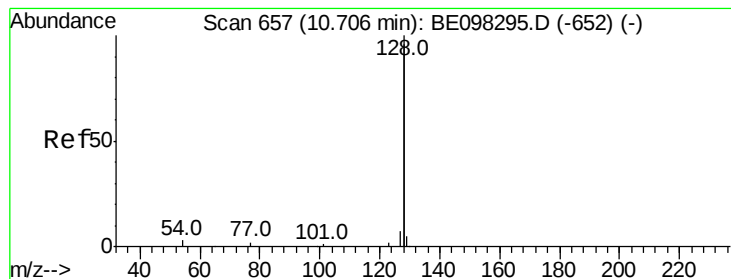


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.645 ng

RT: 10.72 min Scan# 658

Delta R.T. 0.01 min

Lab File: BE098391.D

Acq: 13 Dec 2018 11:32

Instrument :

BNA_E

ClientSampleId :

RE-131D1-20181205MSD

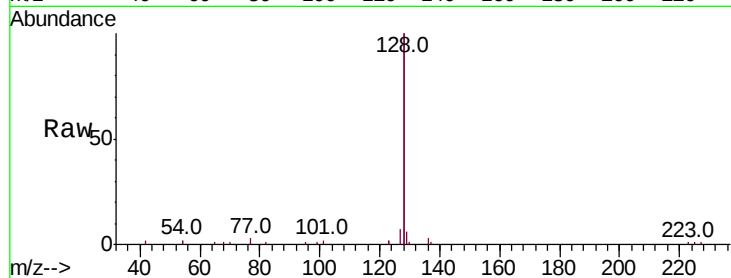
Tot Ion:128 Resp: 25411

Ion Ratio Lower Upper

128 100

129 3.2 2.5 3.7

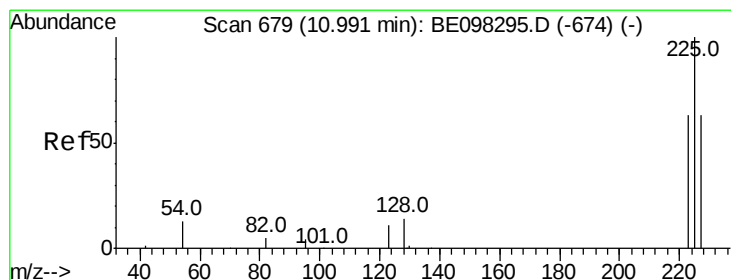
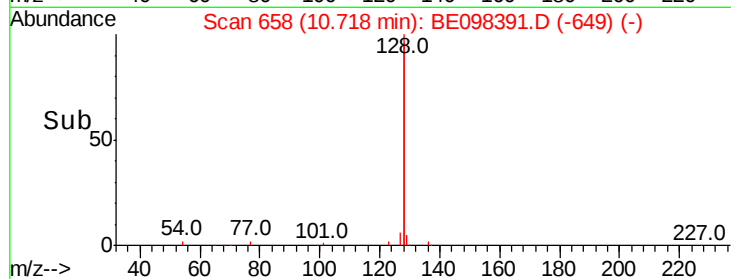
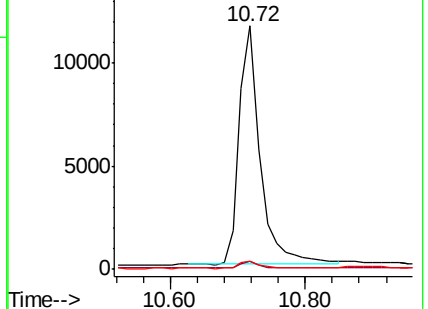
127 3.5 2.7 4.1



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: 0.413 ng

RT: 10.99 min Scan# 679

Delta R.T. -0.00 min

Lab File: BE098391.D

Acq: 13 Dec 2018 11:32

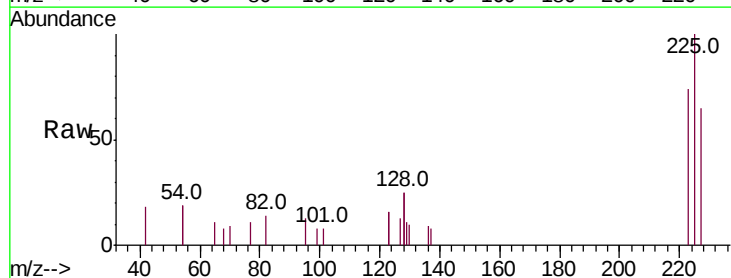
Tgt Ion:225 Resp: 1034

Ion Ratio Lower Upper

225 100

223 69.1 49.4 74.0

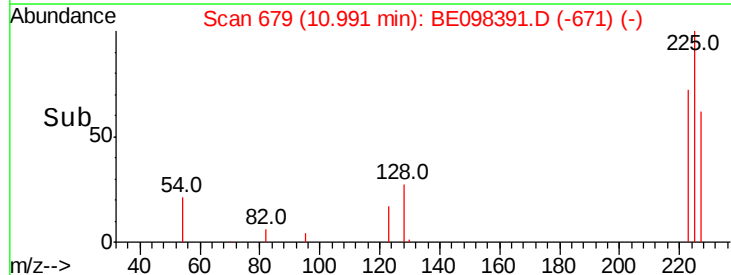
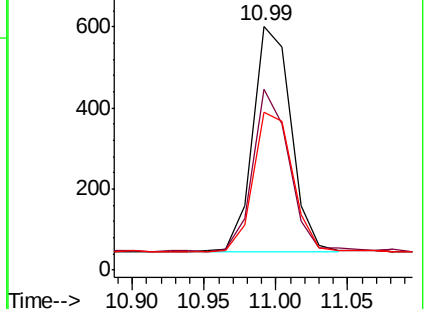
227 64.1 52.0 78.0

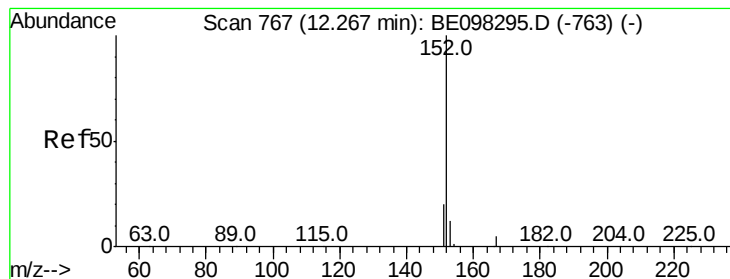


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.461 ng

RT: 12.27 min Scan# 767

Delta R.T. -0.00 min

Lab File: BE098391.D

Acq: 13 Dec 2018 11:32

Instrument :

BNA_E

ClientSampleId :

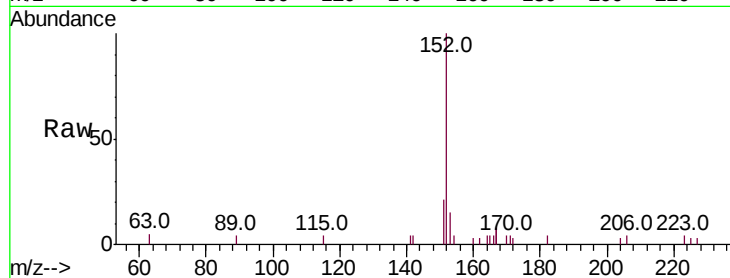
RE-131D1-20181205MSD

Tot Ion:152 Resp: 2933

Ion Ratio Lower Upper

152 100

151 18.4 16.2 24.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.27

1500

1000

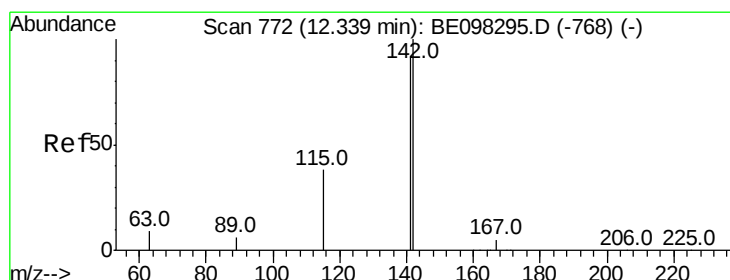
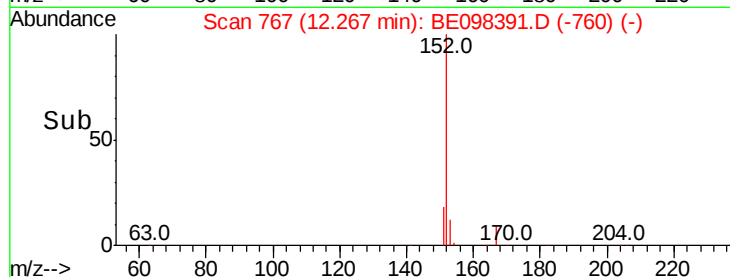
500

0

Time-->

12.20

12.40



#12

2-Methylnaphthalene

Concen: 0.720 ng

RT: 12.34 min Scan# 772

Delta R.T. -0.00 min

Lab File: BE098391.D

Acq: 13 Dec 2018 11:32

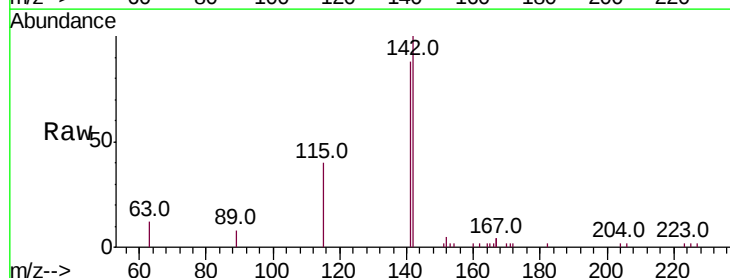
Tgt Ion:142 Resp: 4606

Ion Ratio Lower Upper

142 100

141 88.2 71.0 106.6

115 40.4 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

3000

2500

2000

1500

1000

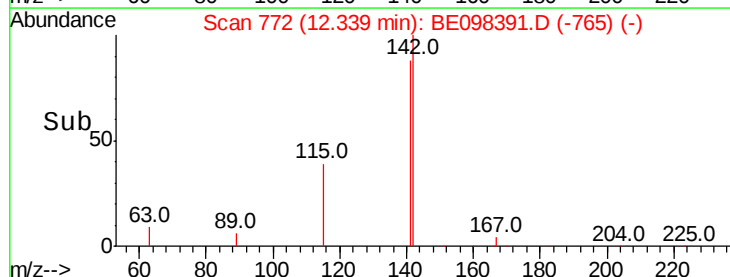
500

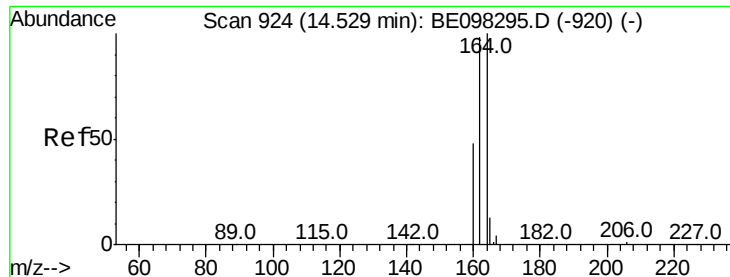
0

Time-->

12.30

12.40

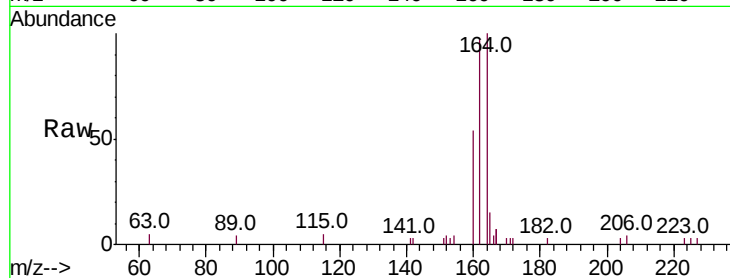




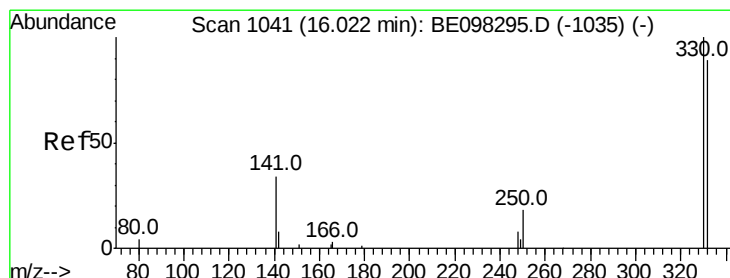
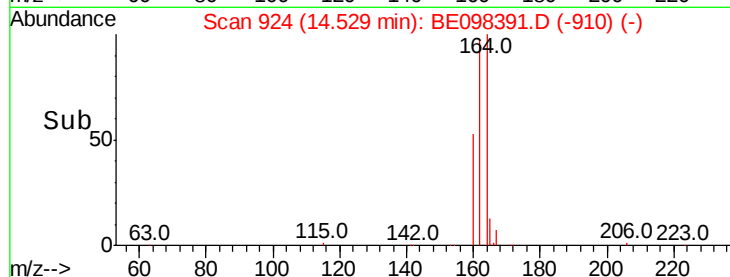
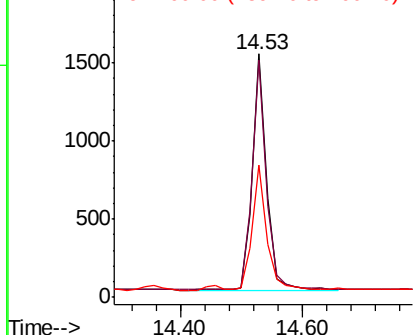
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.00 min
Lab File: BE098391.D
Acq: 13 Dec 2018 11:32

Instrument :
BNA_E
ClientSampleId :
RE-131D1-20181205MSD

Tot Ion:164 Resp: 2395
Ion Ratio Lower Upper
164 100
162 97.5 77.6 116.4
160 54.4 36.0 54.0#

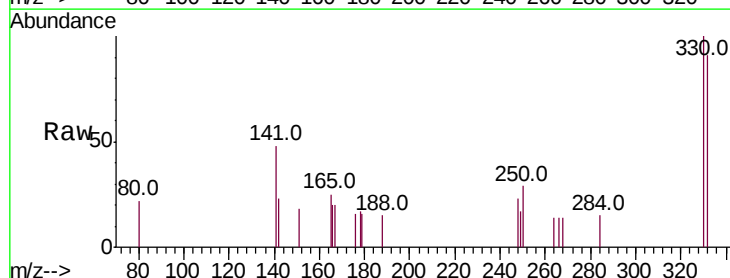


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

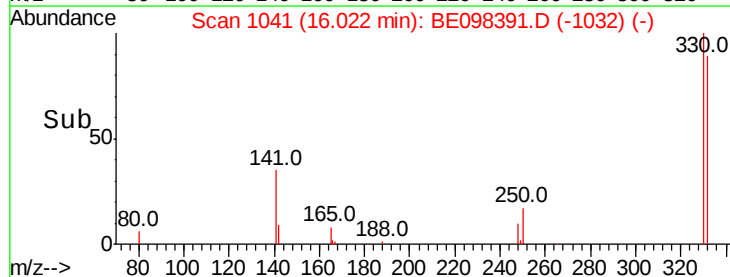
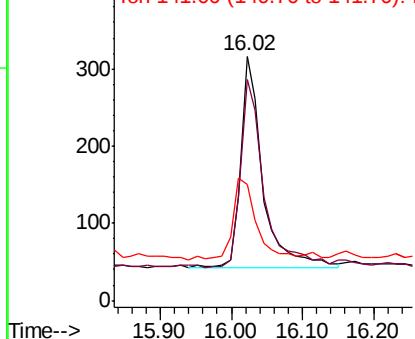


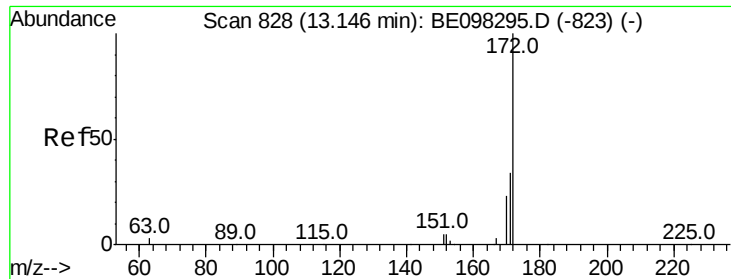
#14
2,4,6-Tribromophenol
Concen: 0.661 ng
RT: 16.02 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BE098391.D
Acq: 13 Dec 2018 11:32

Tgt Ion:330 Resp: 581
Ion Ratio Lower Upper
330 100
332 96.2 76.2 114.4
141 41.3 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

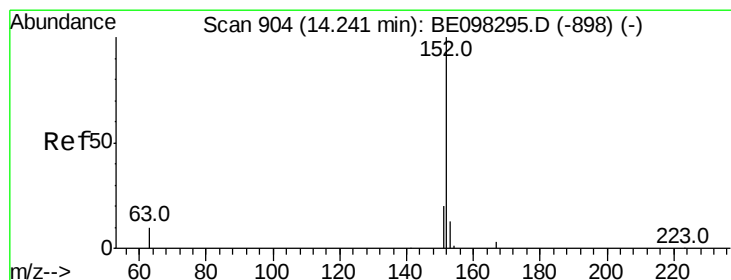
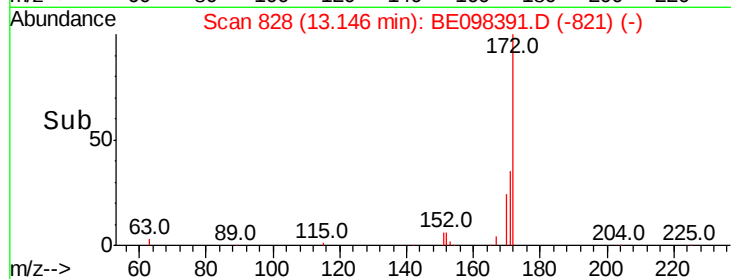
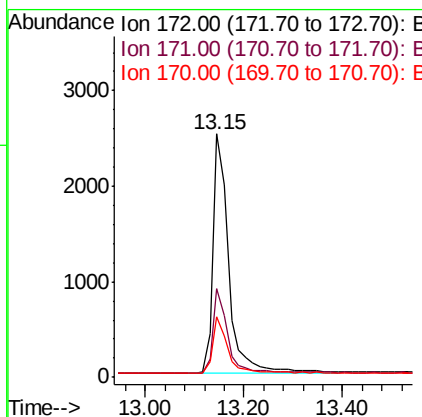
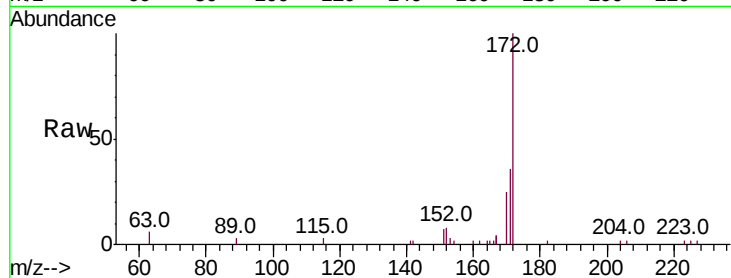




#15
2-Fluorobiphenyl
Concen: 0.546 ng
RT: 13.15 min Scan# 828
Delta R.T. -0.00 min
Lab File: BE098391.D
Acq: 13 Dec 2018 11:32

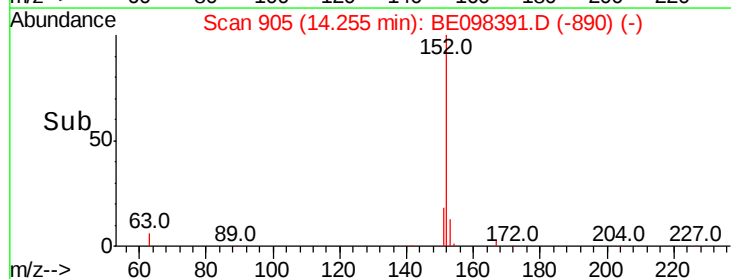
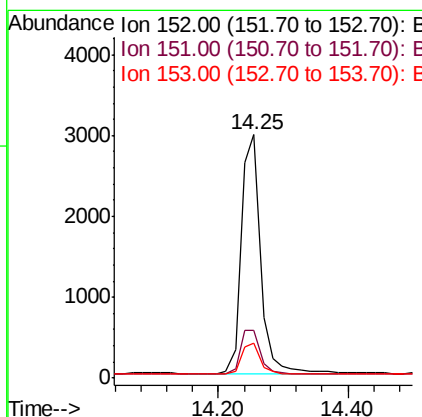
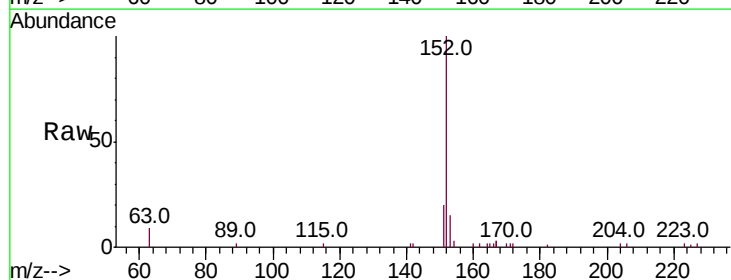
Instrument :
BNA_E
ClientSampleId :
RE-131D1-20181205MSD

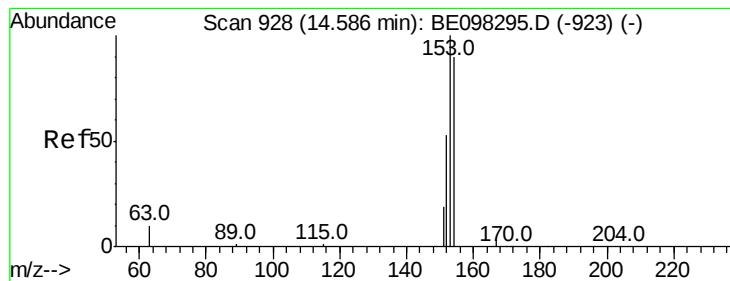
Tot Ion:172 Resp: 5511
Ion Ratio Lower Upper
172 100
171 36.3 27.5 41.3
170 25.0 19.6 29.4



#16
Acenaphthylene
Concen: 0.545 ng
RT: 14.25 min Scan# 905
Delta R.T. 0.01 min
Lab File: BE098391.D
Acq: 13 Dec 2018 11:32

Tgt Ion:152 Resp: 6120
Ion Ratio Lower Upper
152 100
151 19.7 15.5 23.3
153 12.9 10.6 16.0





#17

Acenaphthene

Concen: 0.523 ng

RT: 14.59 min Scan# 928

Delta R.T. -0.00 min

Lab File: BE098391.D

Acq: 13 Dec 2018 11:32

Instrument :

BNA_E

ClientSampleId :

RE-131D1-20181205MSD

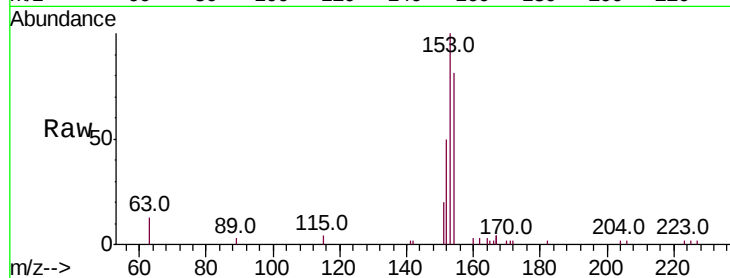
Tot Ion:154 Resp: 3527

Ion Ratio Lower Upper

154 100

153 118.0 91.8 137.6

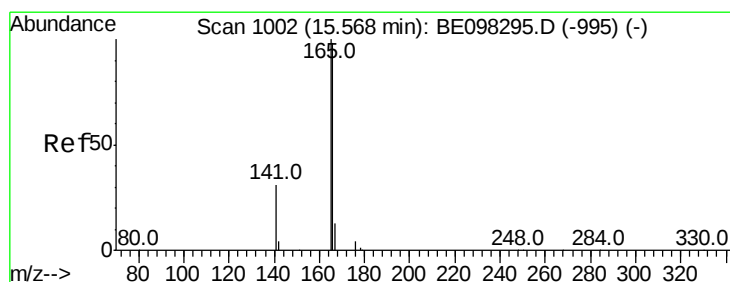
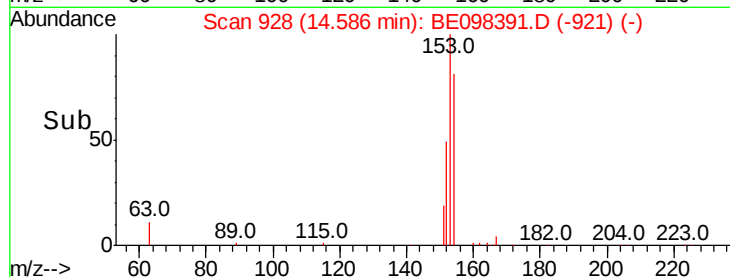
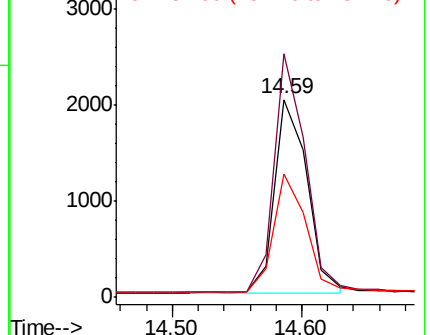
152 60.5 45.5 68.3



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: 0.571 ng

RT: 15.57 min Scan# 1002

Delta R.T. -0.00 min

Lab File: BE098391.D

Acq: 13 Dec 2018 11:32

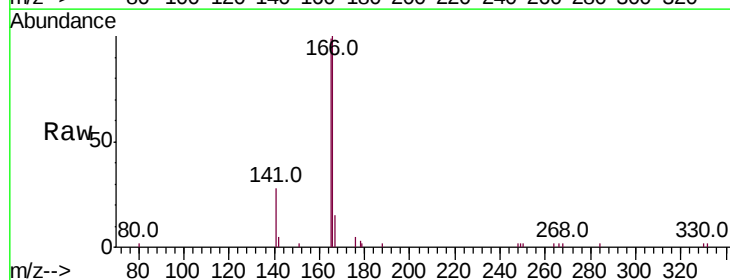
Tgt Ion:166 Resp: 5147

Ion Ratio Lower Upper

166 100

165 99.8 79.3 118.9

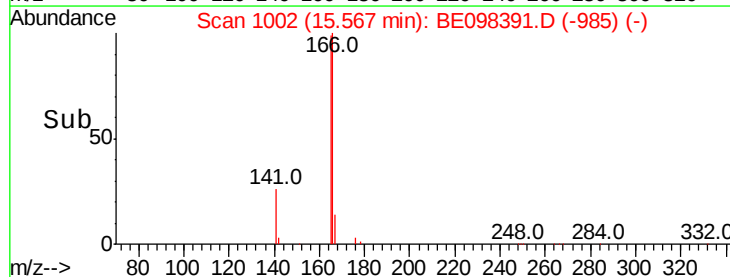
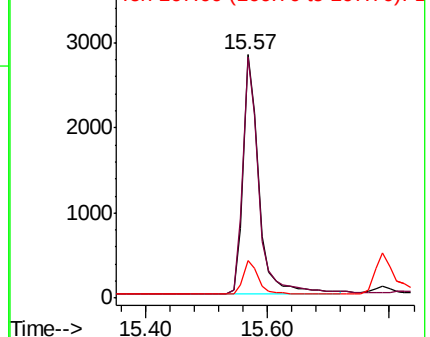
167 13.6 11.3 16.9

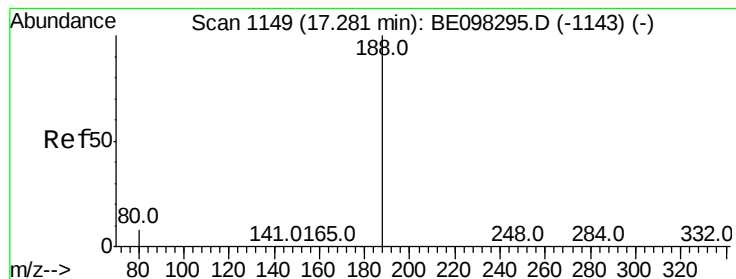


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.28 min Scan# 1149

Delta R.T. -0.00 min

Lab File: BE098391.D

Acq: 13 Dec 2018 11:32

Instrument :

BNA_E

ClientSampleId :

RE-131D1-20181205MSD

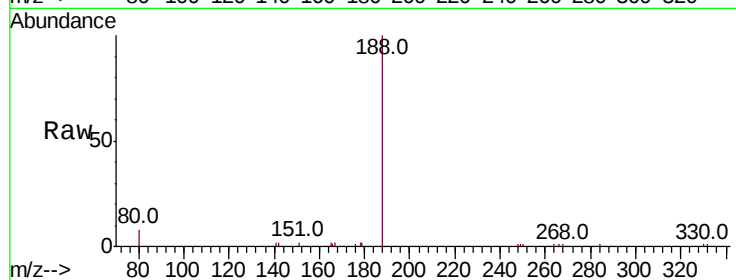
Tot Ion:188 Resp: 6703

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

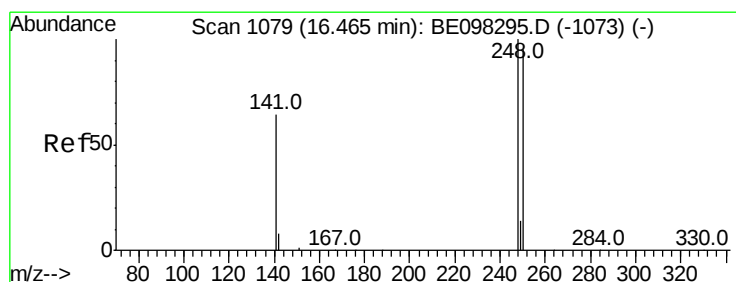
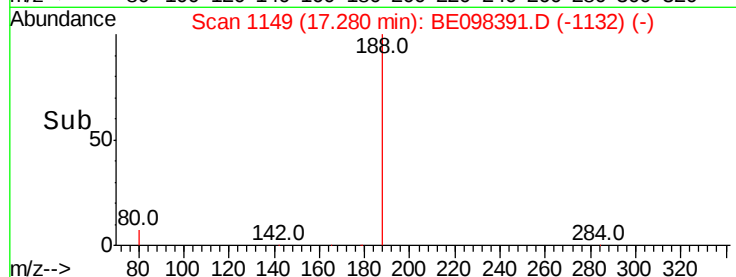
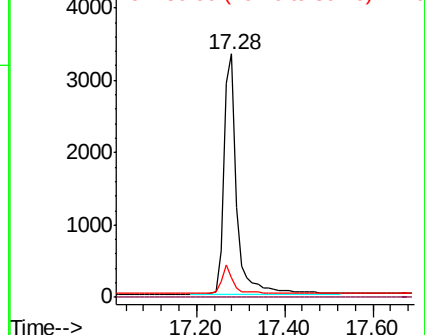
80 8.2 7.2 10.8



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



#20

4-Bromophenyl-phenylether

Concen: 0.476 ng

RT: 16.46 min Scan# 1079

Delta R.T. -0.00 min

Lab File: BE098391.D

Acq: 13 Dec 2018 11:32

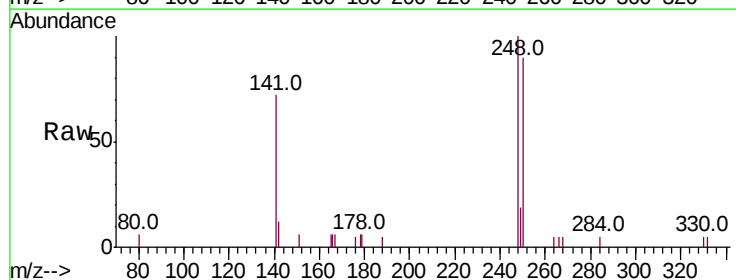
Tgt Ion:248 Resp: 1717

Ion Ratio Lower Upper

248 100

250 90.3 71.0 106.6

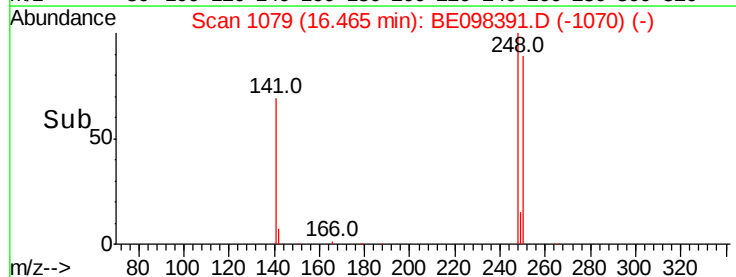
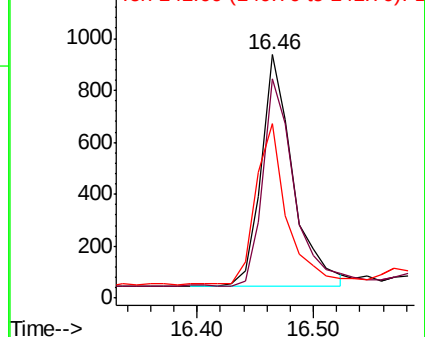
141 71.5 62.1 93.1

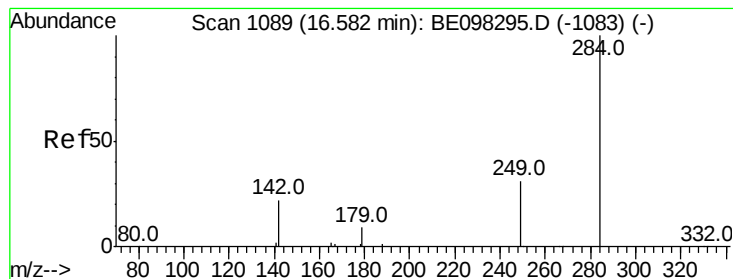


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.440 ng

RT: 16.58 min Scan# 1089

Delta R.T. -0.00 min

Lab File: BE098391.D

Acq: 13 Dec 2018 11:32

Instrument :

BNA_E

ClientSampleId :

RE-131D1-20181205MSD

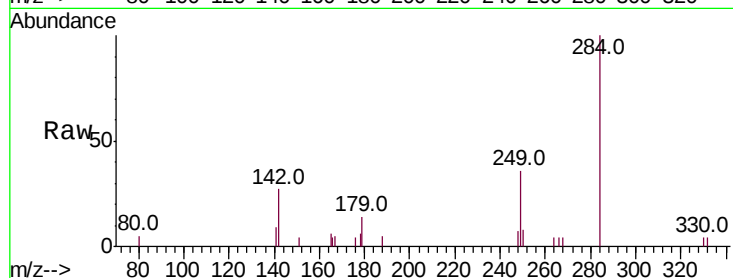
Tot Ion:284 Resp: 1705

Ion Ratio Lower Upper

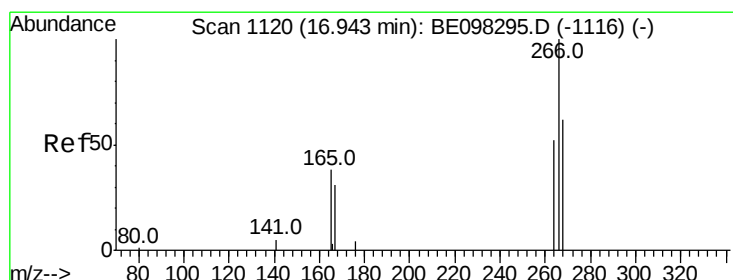
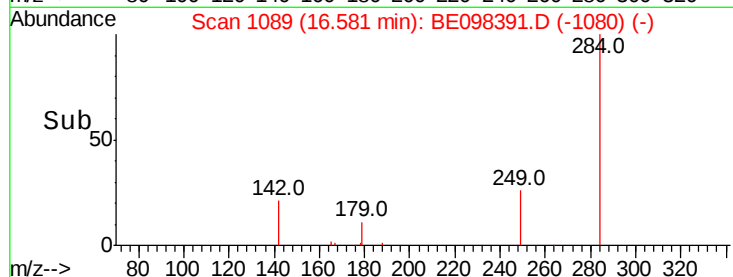
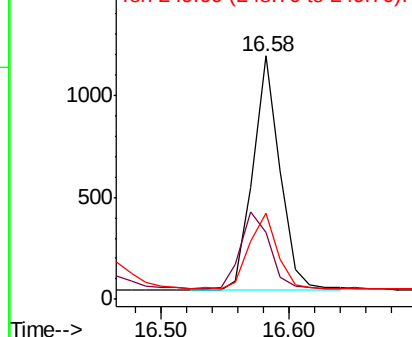
284 100

142 35.8 26.3 39.5

249 33.8 26.0 39.0



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.635 ng

RT: 16.94 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE098391.D

Acq: 13 Dec 2018 11:32

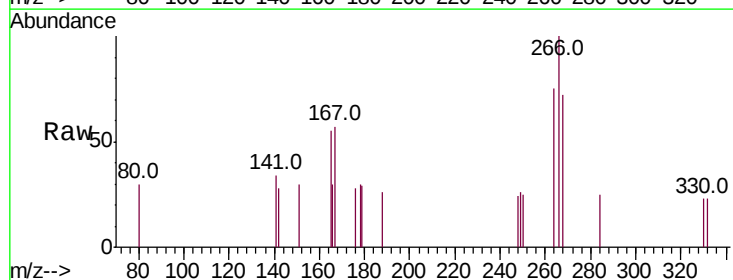
Tgt Ion:266 Resp: 429

Ion Ratio Lower Upper

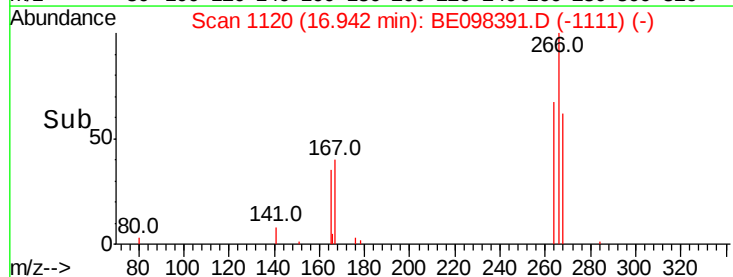
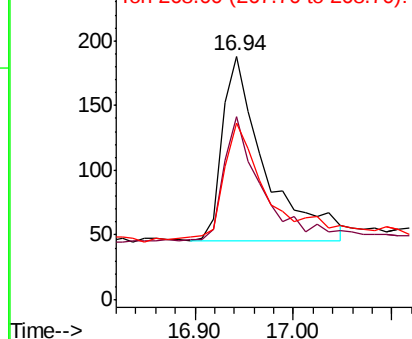
266 100

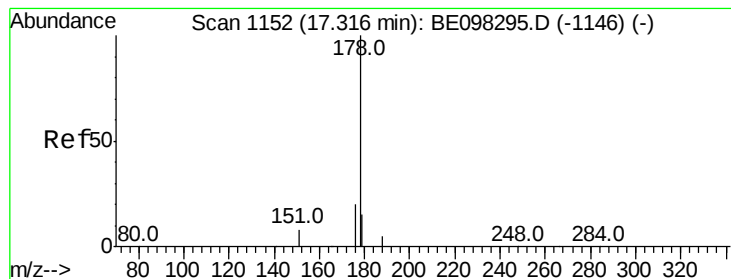
264 75.0 59.0 88.4

268 72.3 55.1 82.7



Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.563 ng

RT: 17.32 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BE098391.D

Acq: 13 Dec 2018 11:32

Instrument :

BNA_E

ClientSampleId :

RE-131D1-20181205MSD

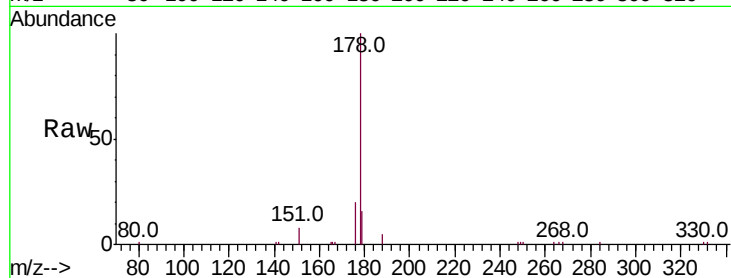
Tot Ion:178 Resp: 9169

Ion Ratio Lower Upper

178 100

176 19.2 15.9 23.9

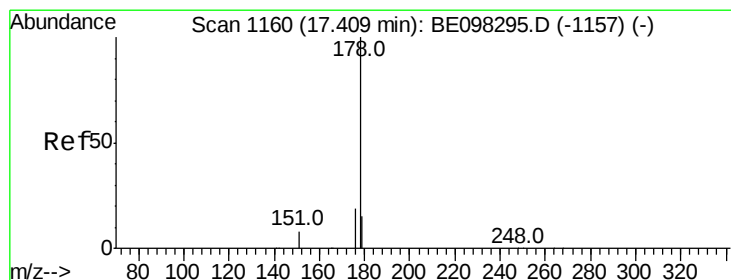
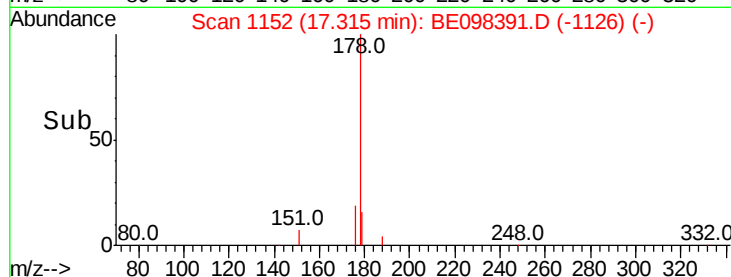
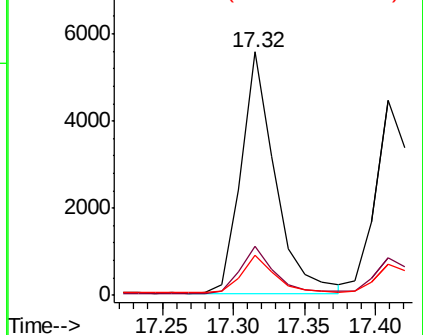
179 15.7 12.3 18.5



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: 0.549 ng

RT: 17.41 min Scan# 1160

Delta R.T. -0.00 min

Lab File: BE098391.D

Acq: 13 Dec 2018 11:32

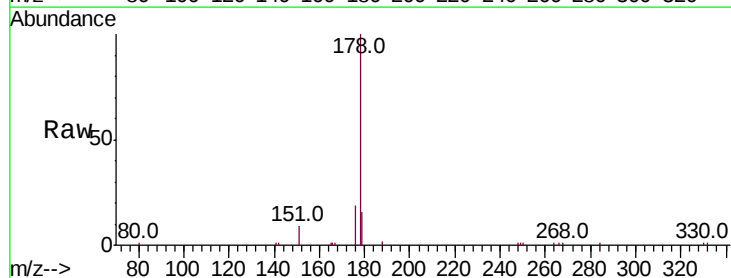
Tgt Ion:178 Resp: 7971

Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.4

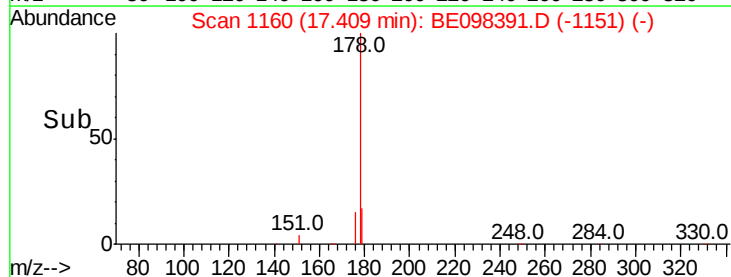
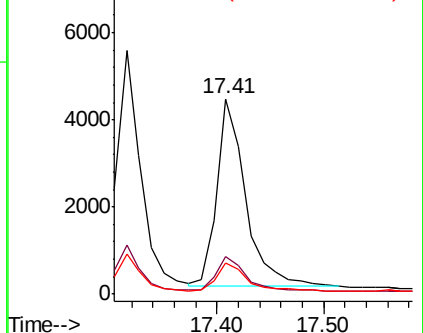
179 15.1 12.3 18.5

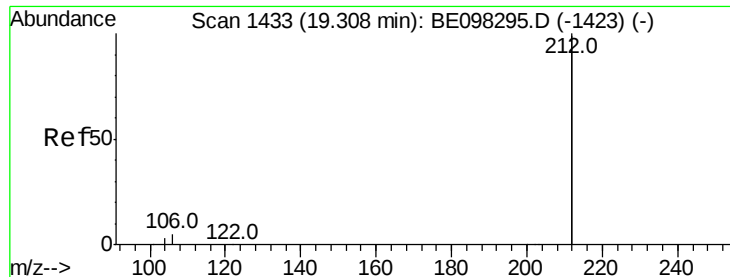


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.466 ng

RT: 19.31 min Scan# 1433

Delta R.T. -0.00 min

Lab File: BE098391.D

Acq: 13 Dec 2018 11:32

Instrument :

BNA_E

ClientSampleId :

RE-131D1-20181205MSD

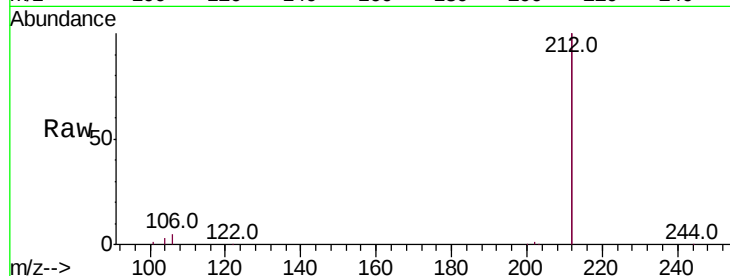
Tot Ion:212 Resp: 40079

Ion Ratio Lower Upper

212 100

106 2.6 2.2 3.2

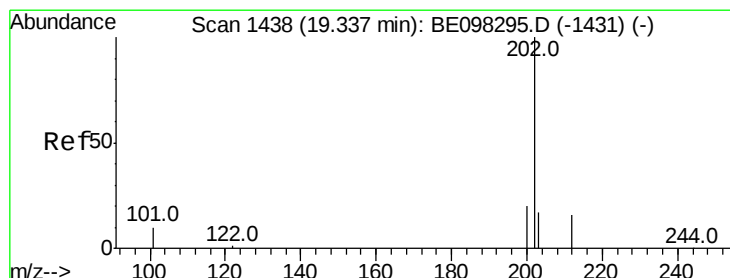
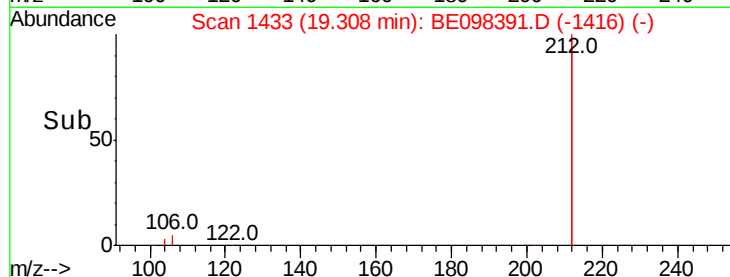
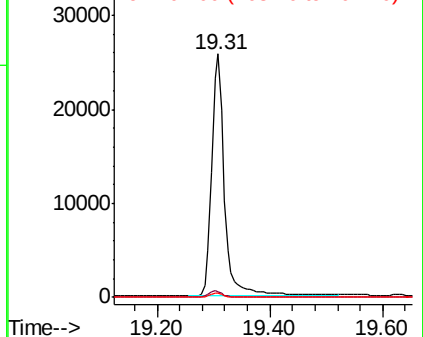
104 1.4 1.3 1.9



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: 0.596 ng

RT: 19.34 min Scan# 1438

Delta R.T. -0.00 min

Lab File: BE098391.D

Acq: 13 Dec 2018 11:32

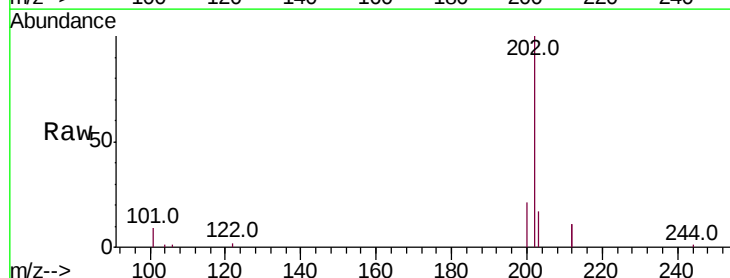
Tgt Ion:202 Resp: 12842

Ion Ratio Lower Upper

202 100

101 9.3 8.0 12.0

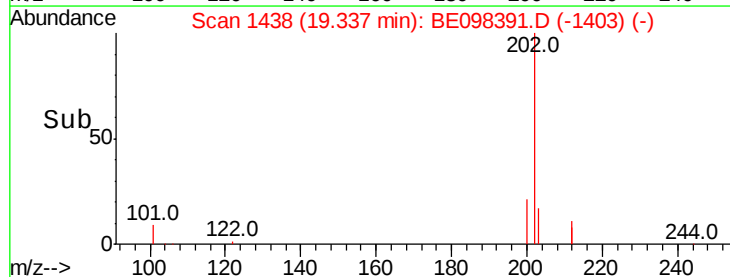
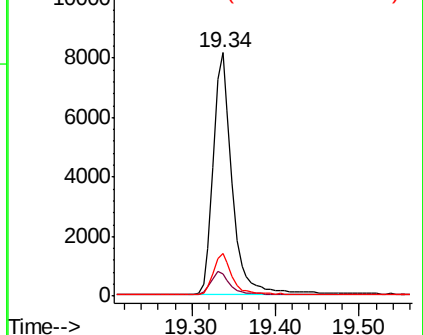
203 16.5 13.8 20.6

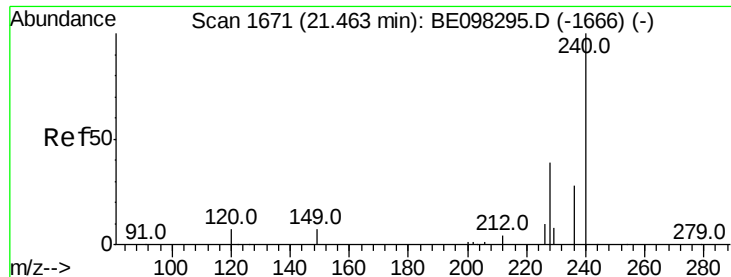


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.46 min Scan# 1671

Delta R.T. -0.00 min

Lab File: BE098391.D

Acq: 13 Dec 2018 11:32

Instrument :

BNA_E

ClientSampleId :

RE-131D1-20181205MSD

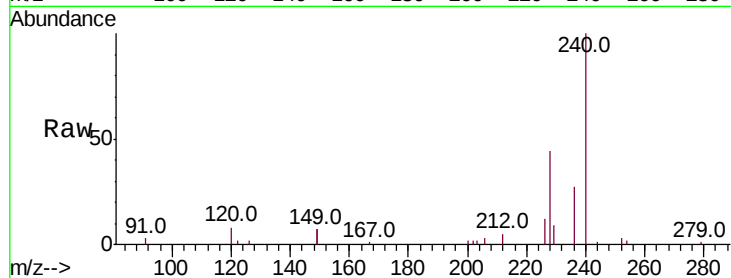
Tot Ion:240 Resp: 8120

Ion Ratio Lower Upper

240 100

120 7.6 9.5 14.3#

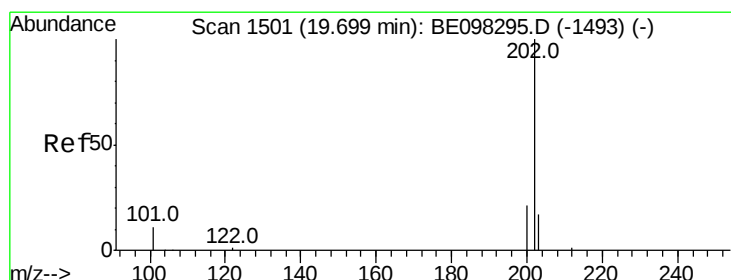
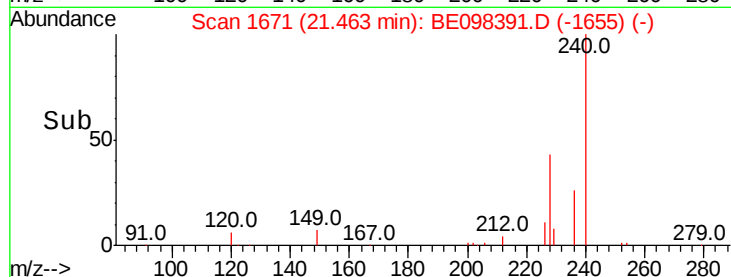
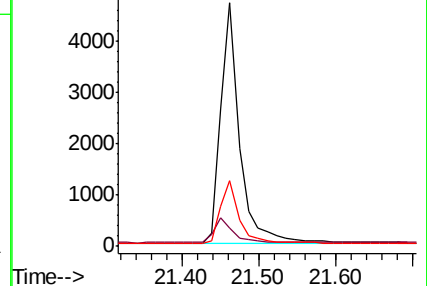
236 27.0 22.7 34.1



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: 0.516 ng

RT: 19.70 min Scan# 1501

Delta R.T. -0.00 min

Lab File: BE098391.D

Acq: 13 Dec 2018 11:32

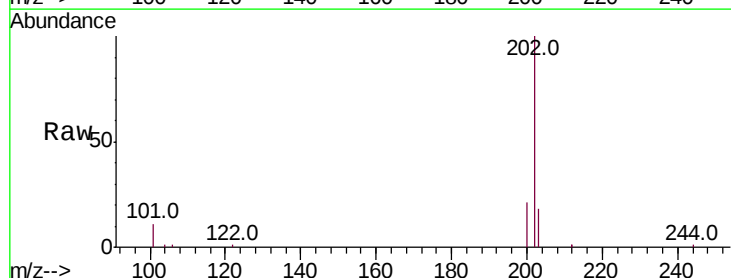
Tgt Ion:202 Resp: 13139

Ion Ratio Lower Upper

202 100

200 21.3 16.7 25.1

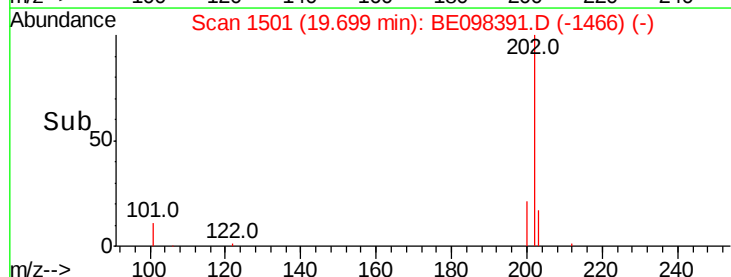
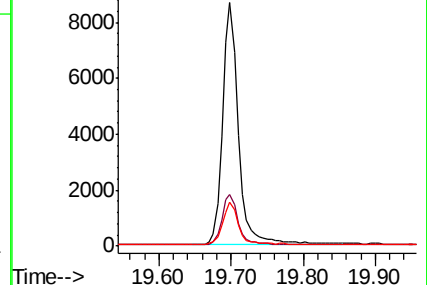
203 17.1 14.1 21.1

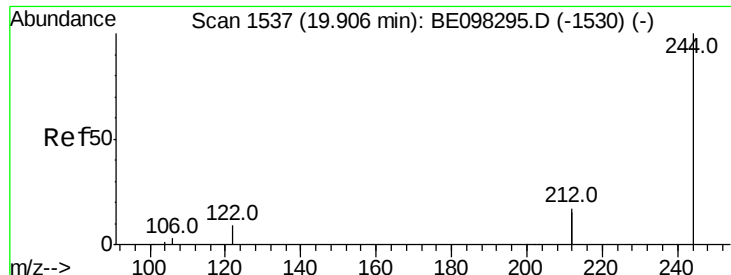


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.432 ng

RT: 19.91 min Scan# 1537

Delta R.T. -0.00 min

Lab File: BE098391.D

Acq: 13 Dec 2018 11:32

Instrument :

BNA_E

ClientSampleId :

RE-131D1-20181205MSD

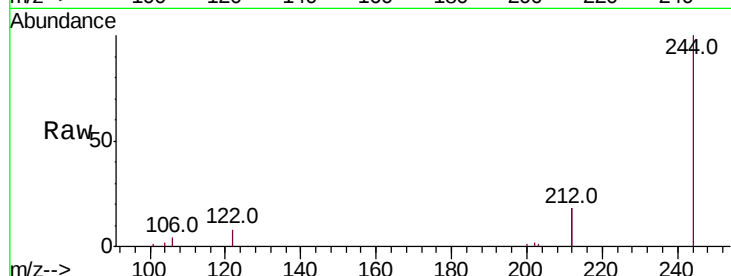
Tot Ion:244 Resp: 8528

Ion Ratio Lower Upper

244 100

212 36.0 27.4 41.0

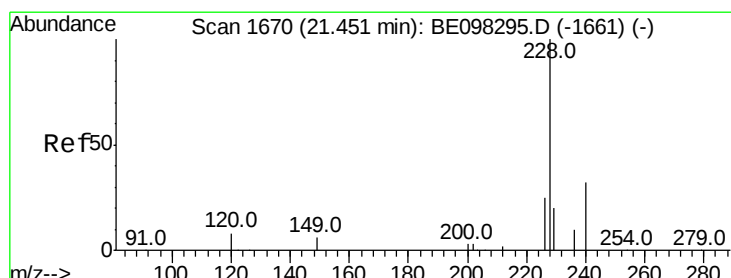
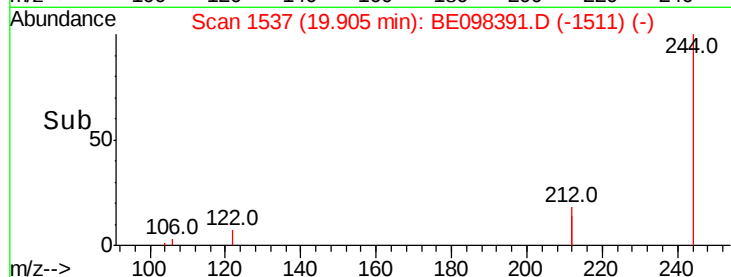
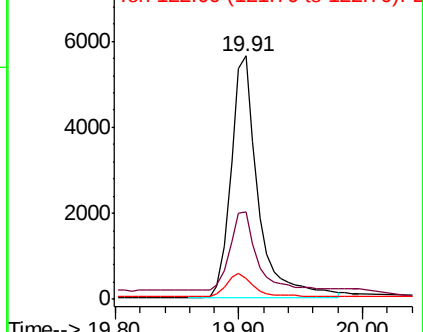
122 8.4 8.3 12.5



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: 0.558 ng

RT: 21.44 min Scan# 1669

Delta R.T. -0.01 min

Lab File: BE098391.D

Acq: 13 Dec 2018 11:32

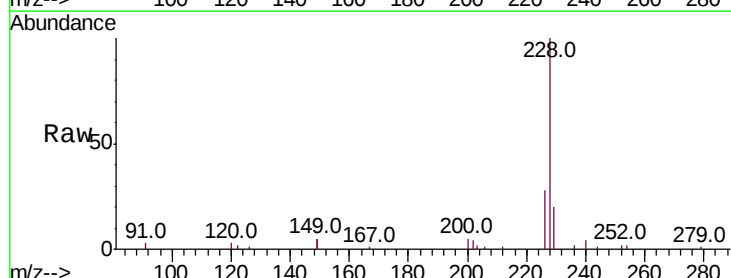
Tgt Ion:228 Resp: 12898

Ion Ratio Lower Upper

228 100

226 28.5 21.8 32.8

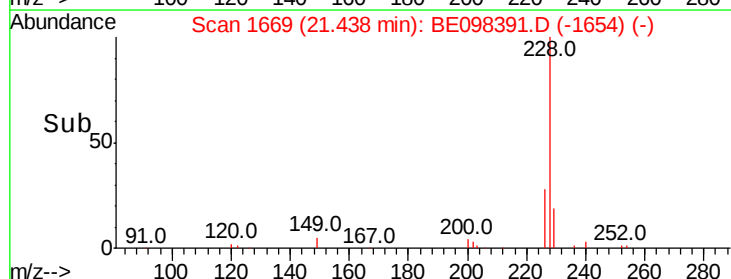
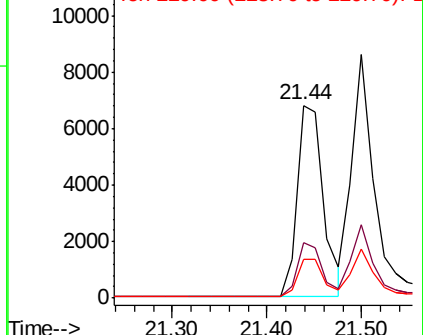
229 19.9 16.3 24.5

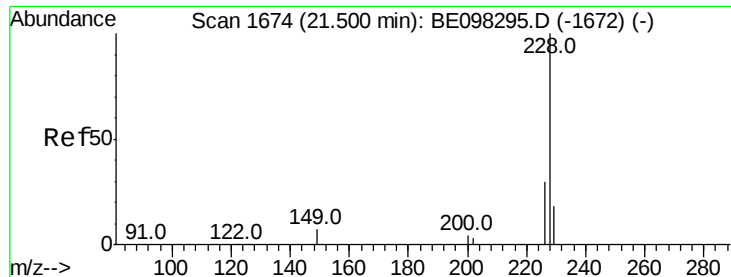


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.558 ng

RT: 21.50 min Scan# 1674

Delta R.T. -0.00 min

Lab File: BE098391.D

Acq: 13 Dec 2018 11:32

Instrument :

BNA_E

ClientSampleId :

RE-131D1-20181205MSD

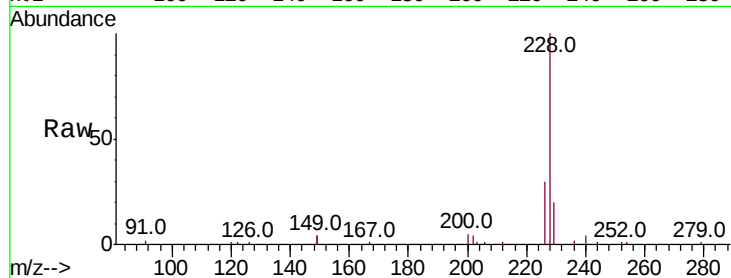
Tot Ion:228 Resp: 13527

Ion Ratio Lower Upper

228 100

226 30.1 23.4 35.0

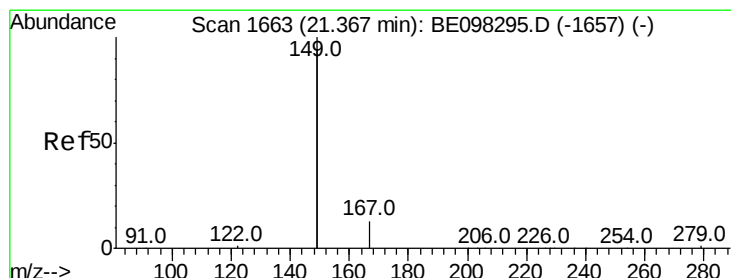
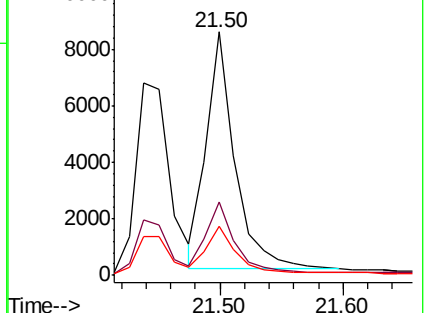
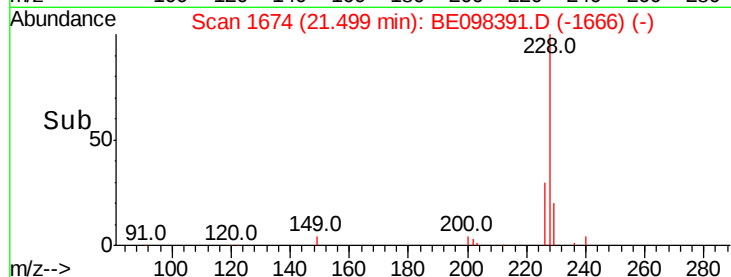
229 20.2 16.2 24.4



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.399 ng

RT: 21.37 min Scan# 1663

Delta R.T. -0.00 min

Lab File: BE098391.D

Acq: 13 Dec 2018 11:32

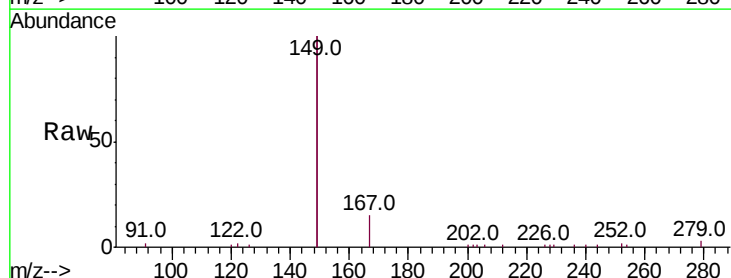
Tgt Ion:149 Resp: 18735

Ion Ratio Lower Upper

149 100

167 6.8 5.7 8.5

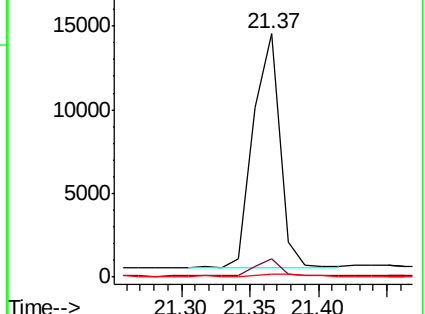
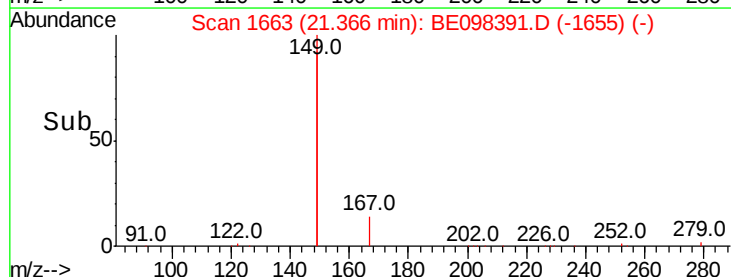
279 1.2 1.0 1.4

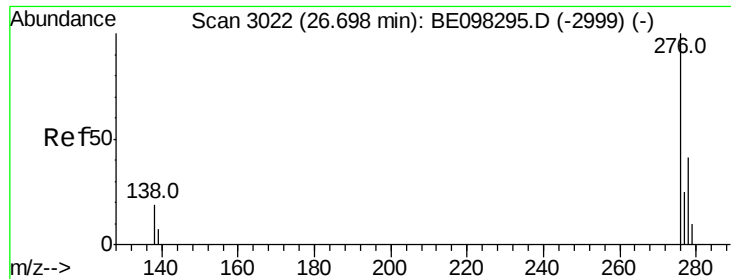


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

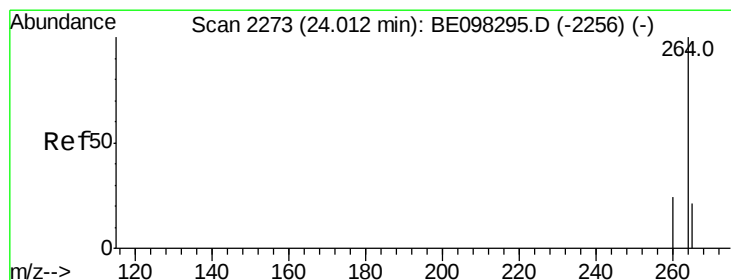
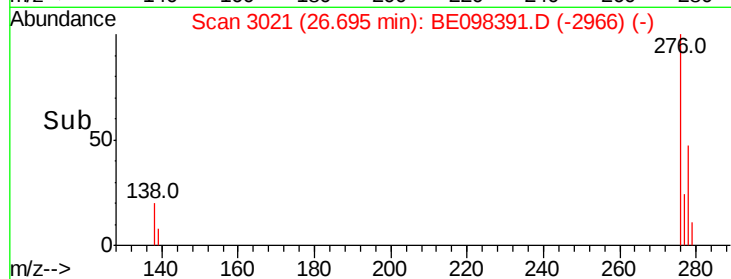
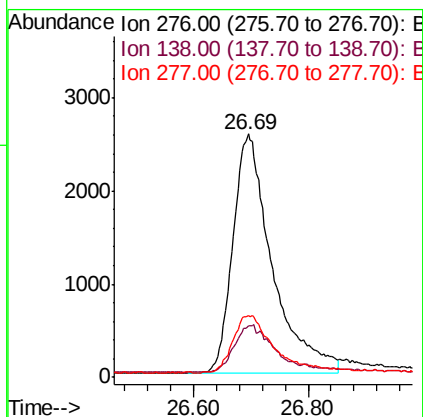
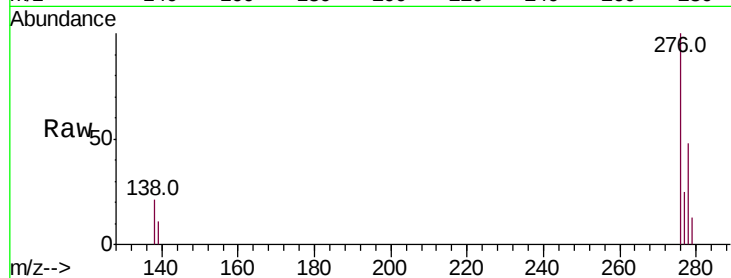




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.507 ng
RT: 26.69 min Scan# 3021
Delta R.T. -0.00 min
Lab File: BE098391.D
Acq: 13 Dec 2018 11:32

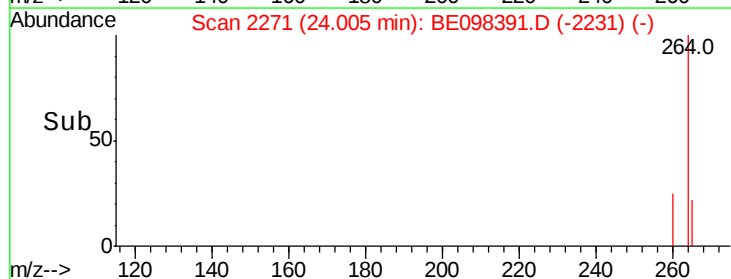
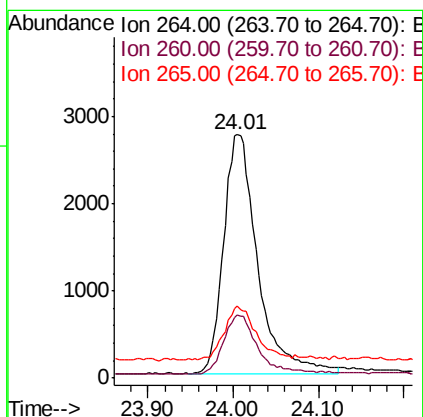
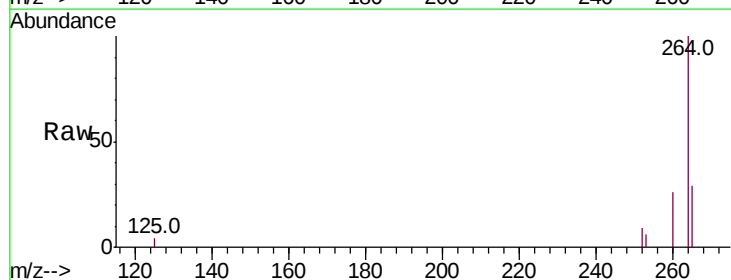
Instrument :
BNA_E
ClientSampleId :
RE-131D1-20181205MSD

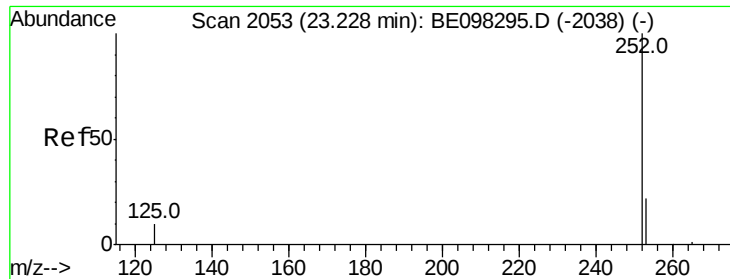
Tot Ion:276 Resp: 12209
Ion Ratio Lower Upper
276 100
138 19.3 16.3 24.5
277 24.7 20.2 30.4



#34
Perylene-d12
Concen: 0.400 ng
RT: 24.01 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BE098391.D
Acq: 13 Dec 2018 11:32

Tgt Ion:264 Resp: 7634
Ion Ratio Lower Upper
264 100
260 25.9 20.2 30.2
265 29.5 25.2 37.8





#35

Benzo(b)fluoranthene

Concen: 0.570 ng

RT: 23.22 min Scan# 2052

Delta R.T. -0.00 min

Lab File: BE098391.D

Acq: 13 Dec 2018 11:32

Instrument :

BNA_E

ClientSampleId :

RE-131D1-20181205MSD

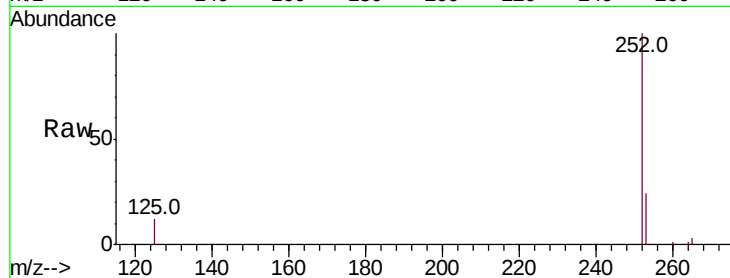
Tot Ion:252 Resp: 11897

Ion Ratio Lower Upper

252 100

253 23.8 20.0 30.0

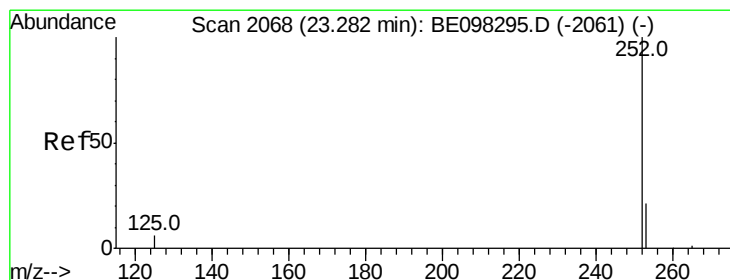
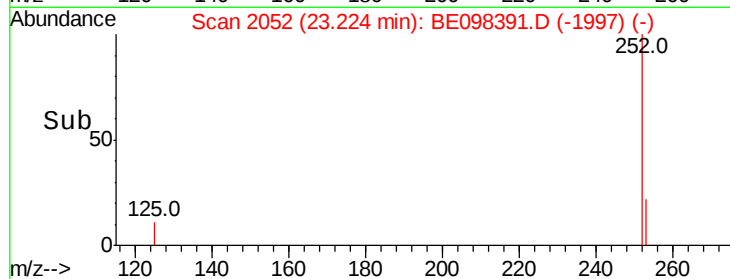
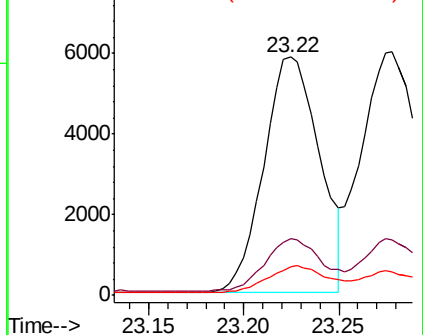
125 12.0 9.6 14.4



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: 0.592 ng

RT: 23.28 min Scan# 2067

Delta R.T. -0.00 min

Lab File: BE098391.D

Acq: 13 Dec 2018 11:32

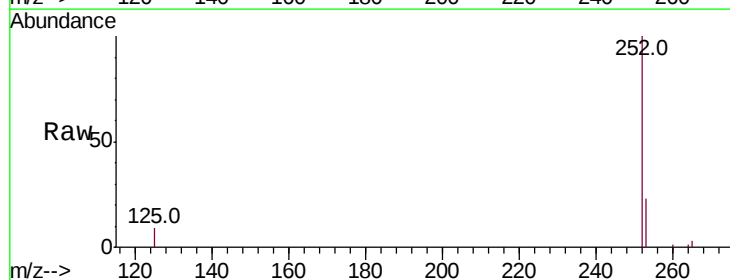
Tgt Ion:252 Resp: 14395

Ion Ratio Lower Upper

252 100

253 22.9 19.0 28.6

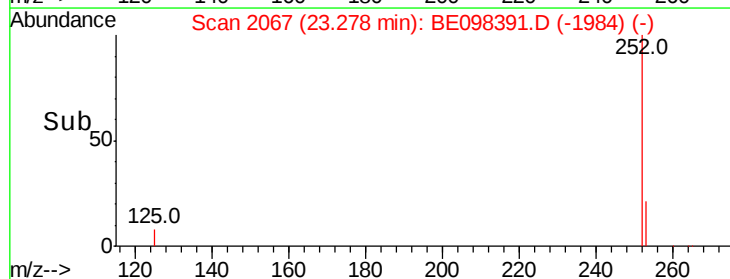
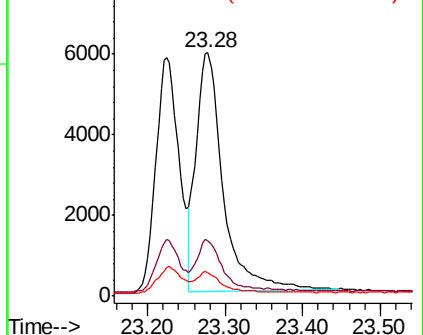
125 9.5 9.1 13.7

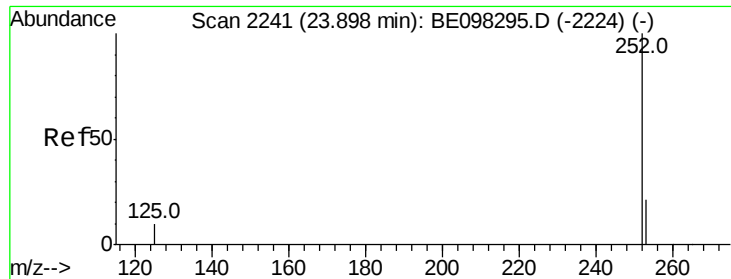


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.566 ng

RT: 23.89 min Scan# 2240

Delta R.T. -0.00 min

Lab File: BE098391.D

Acq: 13 Dec 2018 11:32

Instrument :

BNA_E

ClientSampleId :

RE-131D1-20181205MSD

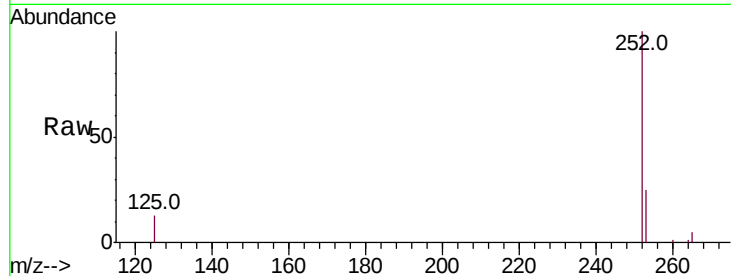
Tot Ion:252 Resp: 12195

Ion Ratio Lower Upper

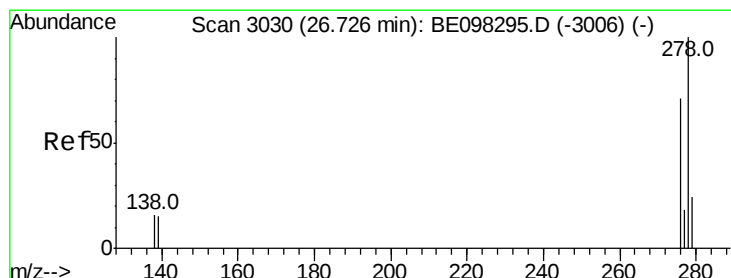
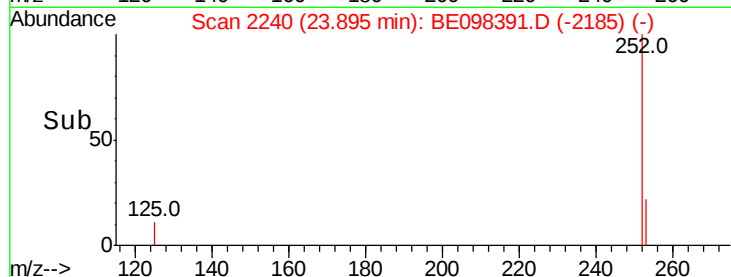
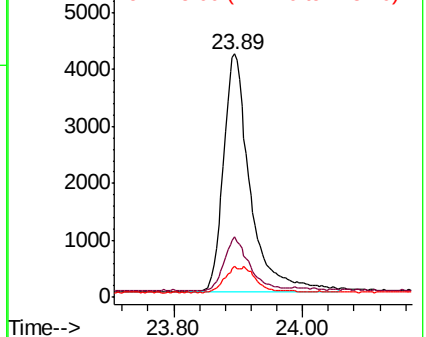
252 100

253 24.7 20.6 30.8

125 12.8 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: 0.500 ng

RT: 26.72 min Scan# 3028

Delta R.T. -0.01 min

Lab File: BE098391.D

Acq: 13 Dec 2018 11:32

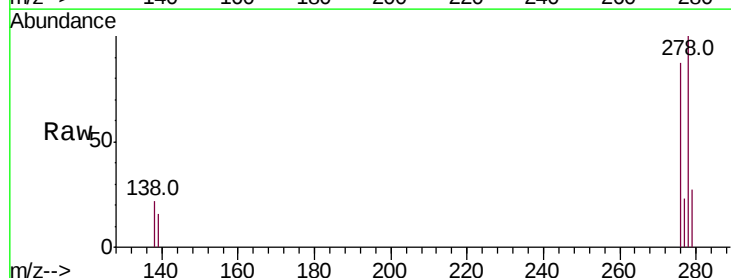
Tgt Ion:278 Resp: 10155

Ion Ratio Lower Upper

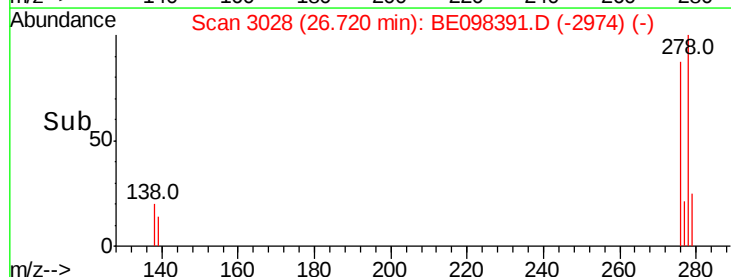
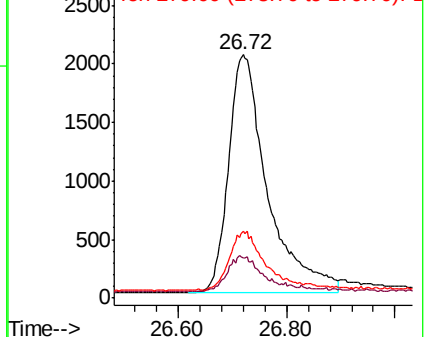
278 100

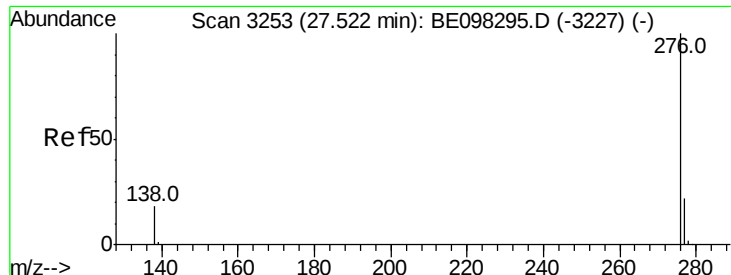
139 16.4 14.5 21.7

279 27.3 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: 0.475 ng

RT: 27.52 min Scan# 3252

Delta R.T. -0.00 min

Lab File: BE098391.D

Acq: 13 Dec 2018 11:32

Instrument :

BNA_E

ClientSampleId :

RE-131D1-20181205MSD

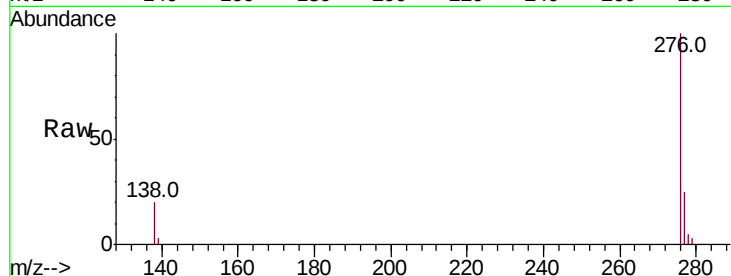
Tot Ion:276 Resp: 9713

Ion Ratio Lower Upper

276 100

277 25.0 20.8 31.2

138 19.6 15.8 23.6



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

