

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE111318\
 Data File : BE098215.D
 Acq On : 13 Nov 2018 19:06
 Operator : SJ/JU
 Sample : J5864-02MS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

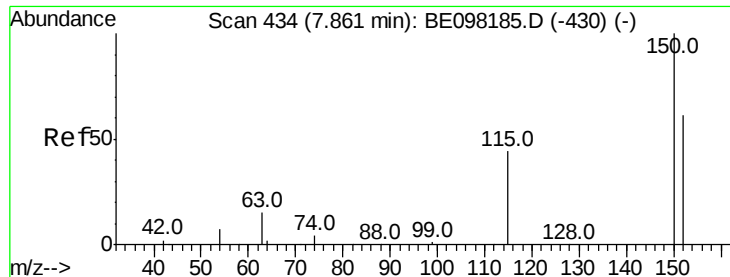
Quant Time: Nov 14 00:07:30 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE111218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 12 13:32:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	1050	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	4447	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	2897	0.40	ng	0.00
19) Phenanthrene-d10	17.28	188	8249	0.40	ng	0.00
27) Chrysene-d12	21.46	240	9559	0.40	ng	0.00
34) Perylene-d12	24.01	264	9444	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.45	112	1441	0.49	ng	0.00
5) Phenol-d6	7.03	99	2174	0.46	ng	-0.01
8) Nitrobenzene-d5	9.02	82	2039	0.46	ng	0.00
11) 2-Methylnaphthalene-d10	12.27	152	3499	0.45	ng	0.00
14) 2,4,6-Tribromophenol	16.02	330	689	0.55	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	5007	0.41	ng	0.00
25) Fluoranthene-d10	19.31	212	50005	0.49	ng	0.00
29) Terphenyl-d14	19.91	244	9183	0.42	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.38	88	411	0.259	ng	# 47
3) n-Nitrosodimethylamine	3.68	42	842	0.409	ng	# 84
6) bis(2-Chloroethyl)ether	7.29	93	1352	0.352	ng	93
9) Naphthalene	10.72	128	19074	0.422	ng	99
10) Hexachlorobutadiene	11.00	225	939	0.334	ng	98
12) 2-Methylnaphthalene	12.34	142	3211	0.409	ng	99
16) Acenaphthylene	14.26	152	6081	0.458	ng	99
17) Acenaphthene	14.60	154	3137	0.387	ng	98
18) Fluorene	15.57	166	4658	0.449	ng	98
20) 4-Bromophenyl-phenylether	16.46	248	1762	0.351	ng	95
21) Hexachlorobenzene	16.58	284	1713	0.328	ng	98
22) Pentachlorophenol	16.94	266	509	0.516	ng	91
23) Phenanthrene	17.32	178	9930	0.483	ng	98
24) Anthracene	17.41	178	8447	0.441	ng	99
26) Fluoranthene	19.34	202	15327	0.602	ng	99
28) Pyrene	19.70	202	15237	0.579	ng	98
30) Benzo(a)anthracene	21.45	228	16403	0.604	ng	95
31) Chrysene	21.50	228	14563	0.528	ng	99
32) Bis(2-ethylhexyl)phthalate	21.37	149	44345	0.786	ng	100
33) Indeno(1,2,3-cd)pyrene	26.70	276	14054	0.556	ng	# 92
35) Benzo(b)fluoranthene	23.23	252	16062	0.600	ng	99
36) Benzo(k)fluoranthene	23.28	252	13118	0.464	ng	98
37) Benzo(a)pyrene	23.89	252	14774	0.575	ng	98
38) Dibenzo(a,h)anthracene	26.72	278	9802	0.448	ng	# 95
39) Benzo(g,h,i)perylene	27.53	276	11999	0.525	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.86 min Scan# 434

Delta R.T. 0.00 min

Lab File: BE098215.D

Acq: 13 Nov 2018 19:06

Instrument :

BNA_E

ClientSampled :

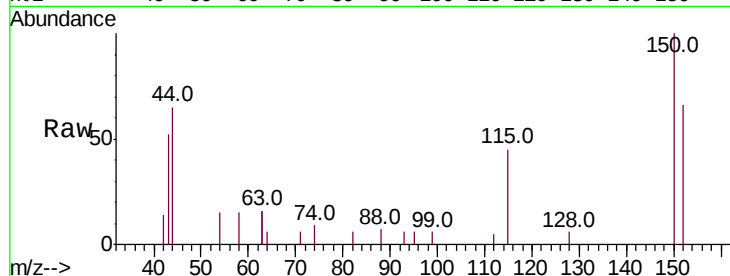
Tot Ion:152 Resp: 1050

Ion Ratio Lower Upper

152 100

150 150.8 127.5 191.3

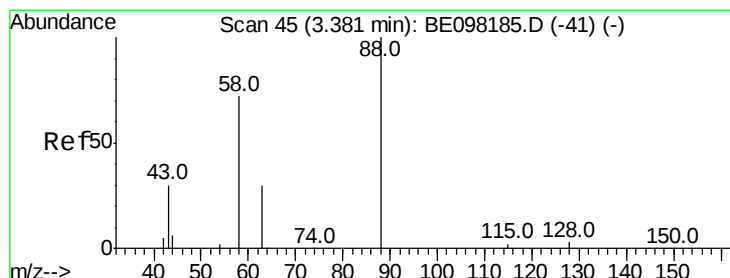
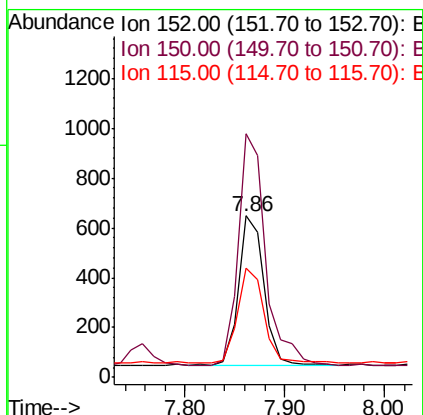
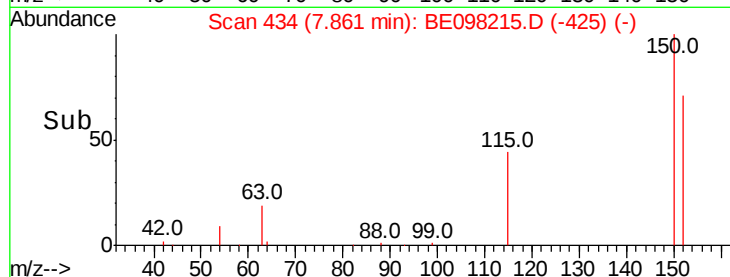
115 67.4 60.3 90.5



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



#2

1,4-Dioxane

Concen: 0.259 ng

RT: 3.38 min Scan# 45

Delta R.T. 0.00 min

Lab File: BE098215.D

Acq: 13 Nov 2018 19:06

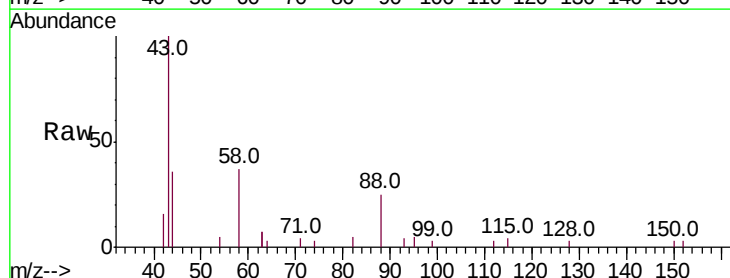
Tgt Ion: 88 Resp: 411

Ion Ratio Lower Upper

88 100

58 114.6 79.0 118.4

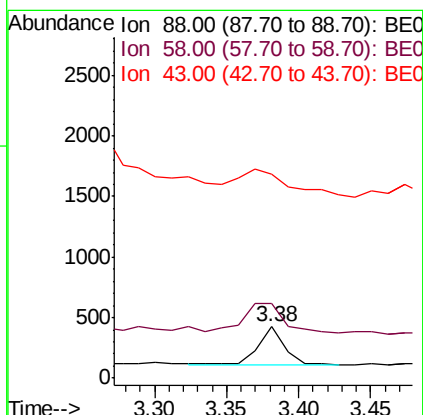
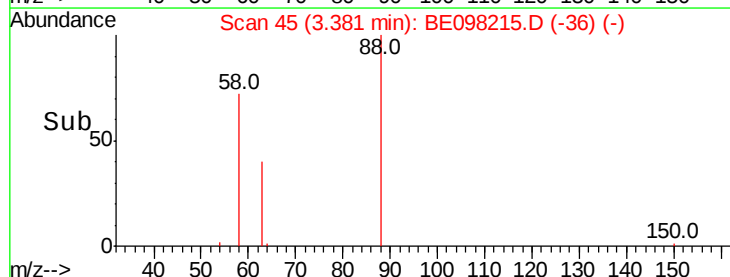
43 133.8 38.1 57.1#

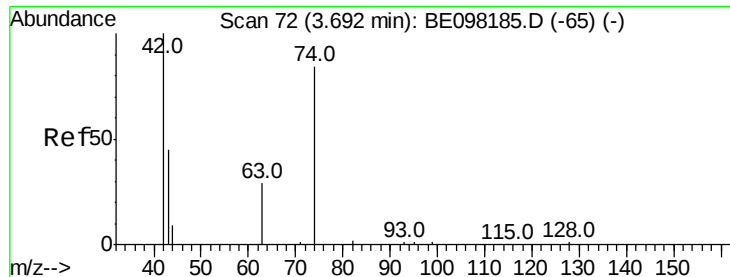


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



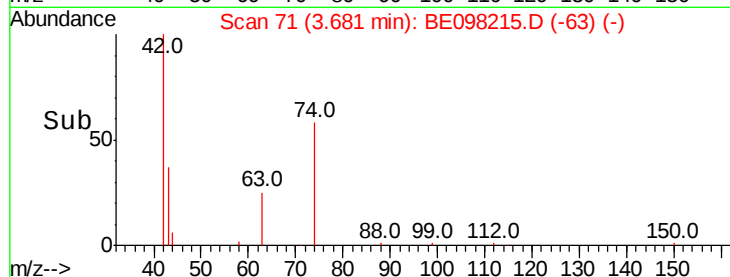
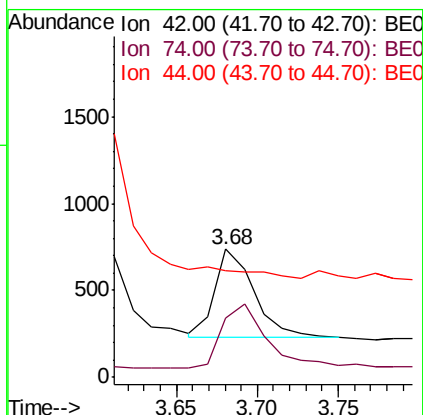
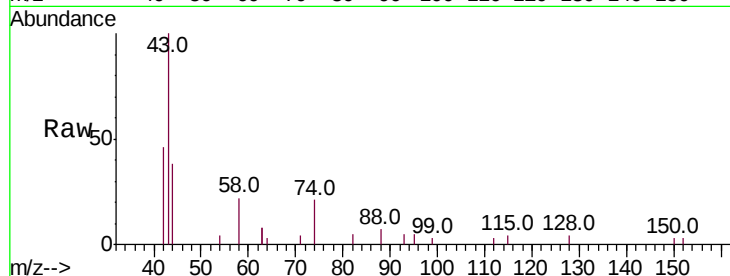


#3

n-Nitrosodimethylamine
 Concen: 0.409 ng
 RT: 3.68 min Scan# 71
 Delta R.T. -0.01 min
 Lab File: BE098215.D
 Acq: 13 Nov 2018 19:06

Instrument :
 BNA_E
 ClientSampleId :

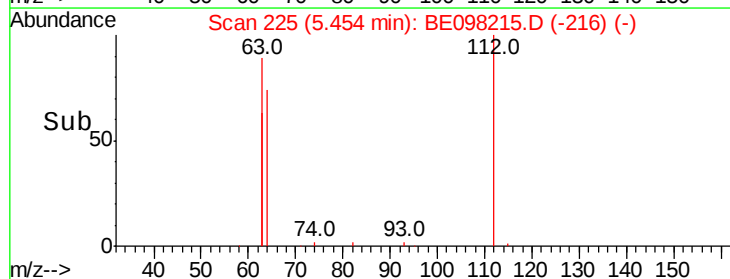
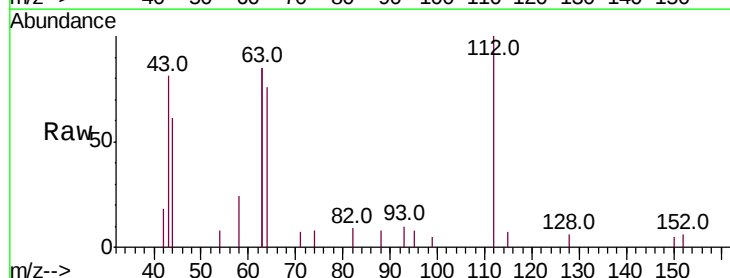
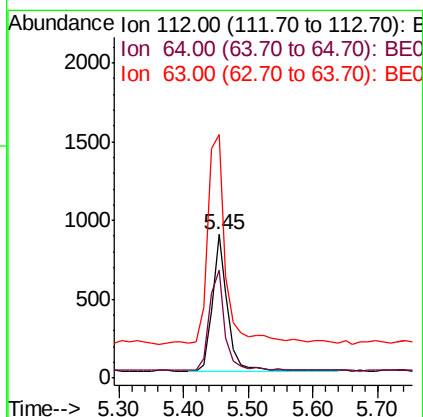
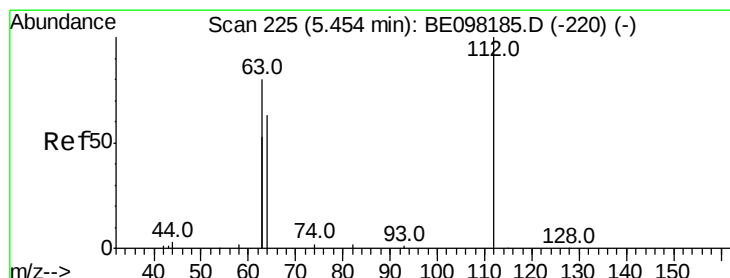
Tot Ion: 42 Resp: 842
 Ion Ratio Lower Upper
 42 100
 74 85.7 61.7 92.5
 44 0.0 14.0 21.0#

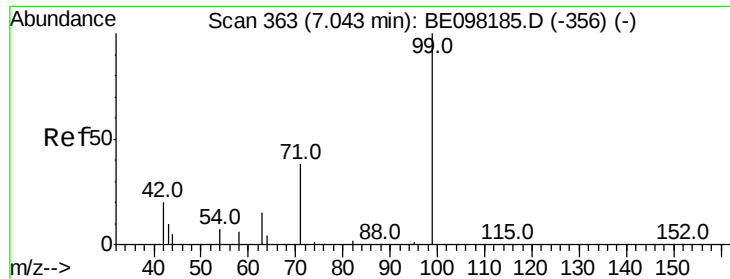


#4

2-Fluorophenol
 Concen: 0.486 ng
 RT: 5.45 min Scan# 225
 Delta R.T. 0.00 min
 Lab File: BE098215.D
 Acq: 13 Nov 2018 19:06

Tgt Ion: 112 Resp: 1441
 Ion Ratio Lower Upper
 112 100
 64 75.5 61.7 92.5
 63 172.2 136.2 204.2





#5

Phenol-d6

Concen: 0.457 ng

RT: 7.03 min Scan# 362

Delta R.T. -0.01 min

Lab File: BE098215.D

Acq: 13 Nov 2018 19:06

Instrument :

BNA_E

ClientSampleId :

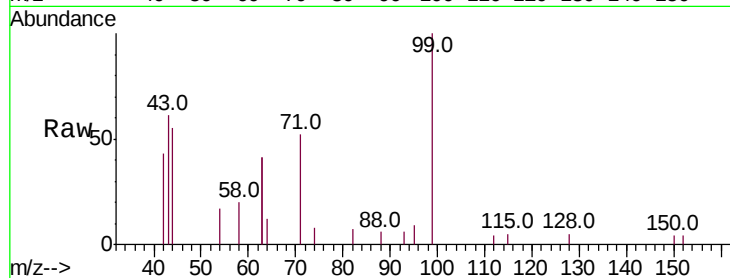
Tot Ion: 99 Resp: 2174

Ion Ratio Lower Upper

99 100

42 0.0 27.1 40.7#

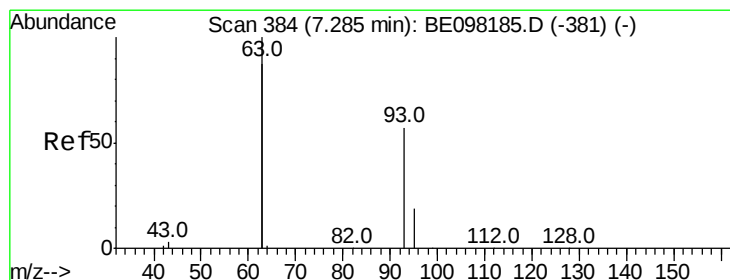
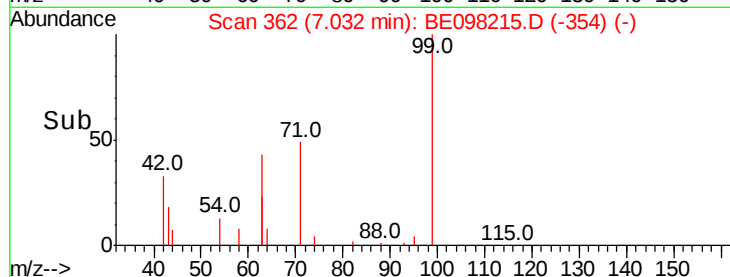
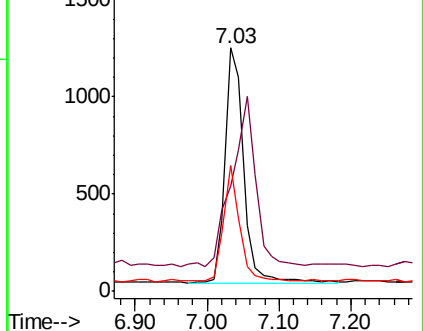
71 42.0 37.0 55.6



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: 0.352 ng

RT: 7.29 min Scan# 384

Delta R.T. 0.00 min

Lab File: BE098215.D

Acq: 13 Nov 2018 19:06

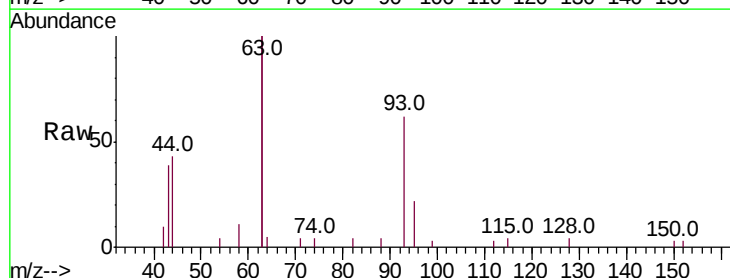
Tgt Ion: 93 Resp: 1352

Ion Ratio Lower Upper

93 100

63 326.4 272.6 409.0

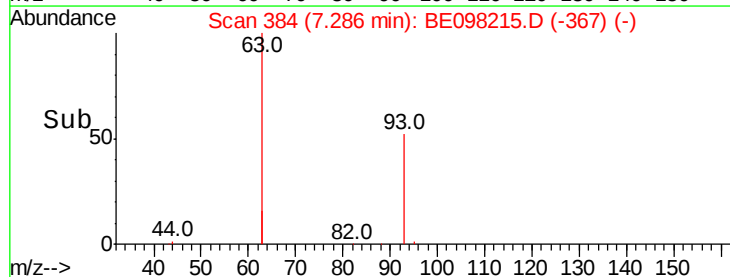
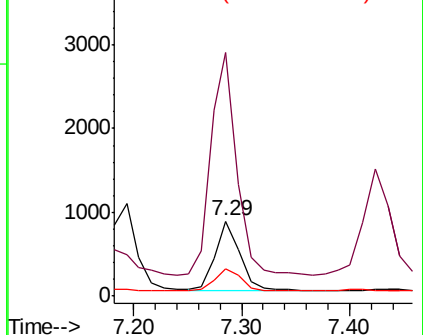
95 30.7 27.1 40.7

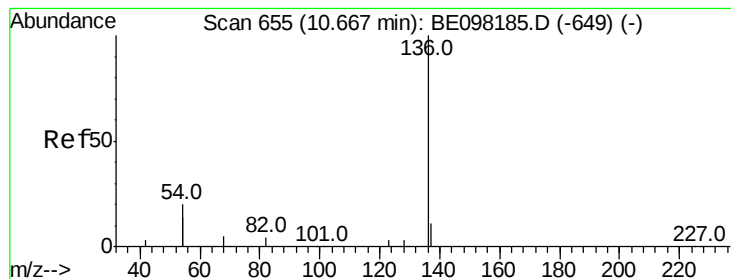


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE098215.D

Acq: 13 Nov 2018 19:06

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 4447

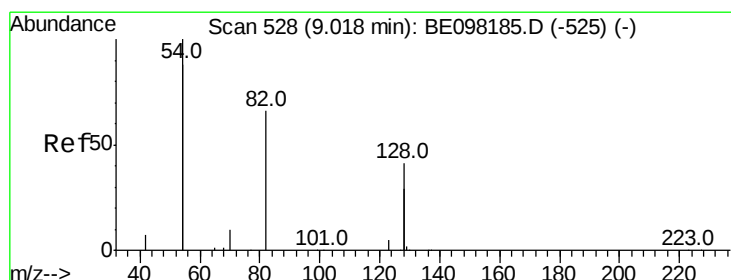
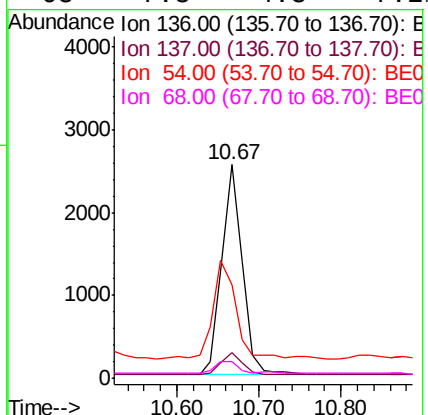
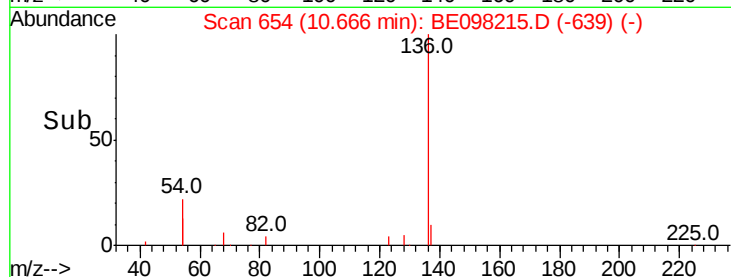
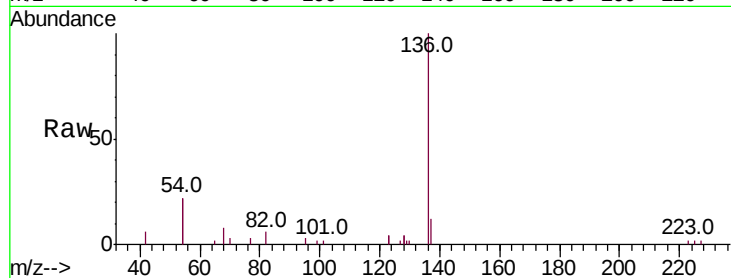
Ion Ratio Lower Upper

136 100

137 12.0 9.5 14.3

54 43.7 31.3 46.9

68 7.8 4.8 7.2#



#8

Nitrobenzene-d5

Concen: 0.459 ng

RT: 9.02 min Scan# 527

Delta R.T. -0.00 min

Lab File: BE098215.D

Acq: 13 Nov 2018 19:06

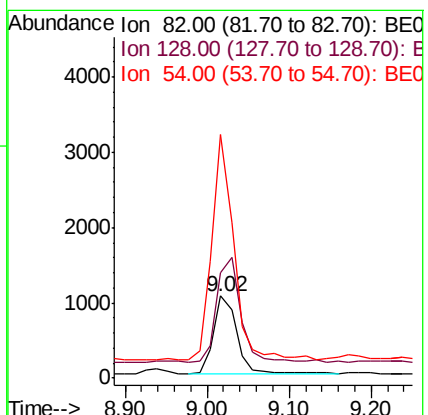
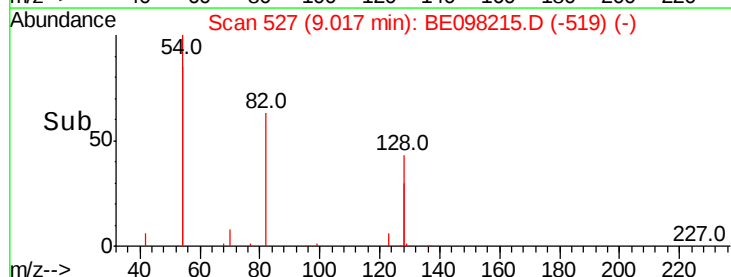
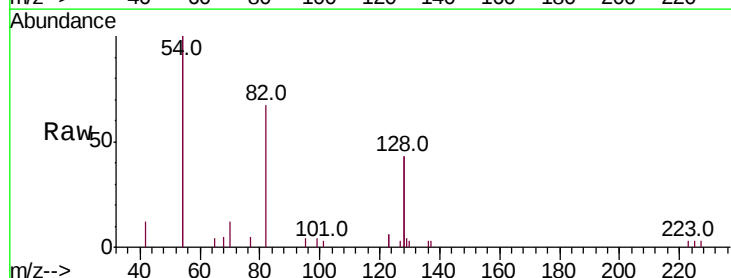
Tgt Ion: 82 Resp: 2039

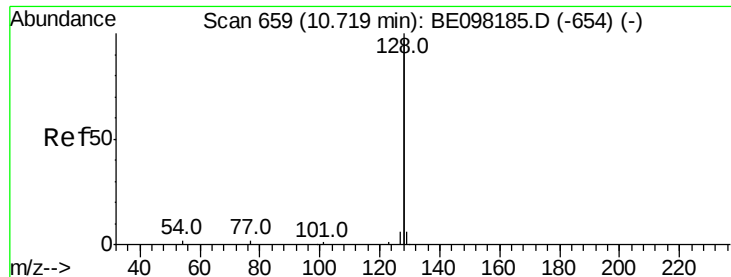
Ion Ratio Lower Upper

82 100

128 127.9 96.1 144.1

54 296.9 232.0 348.0





#9

Naphthalene

Concen: 0.422 ng

RT: 10.72 min Scan# 658

Delta R.T. -0.00 min

Lab File: BE098215.D

Acq: 13 Nov 2018 19:06

Instrument :

BNA_E

ClientSampleId :

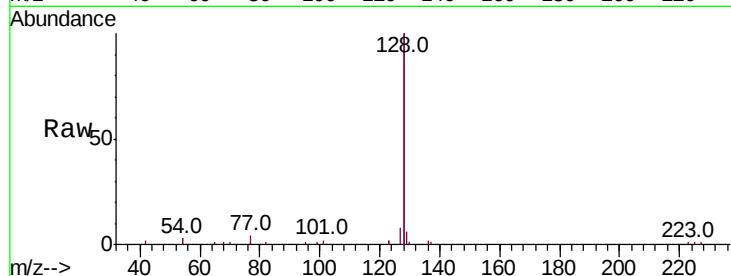
Tot Ion:128 Resp: 19074

Ion Ratio Lower Upper

128 100

129 3.2 2.6 4.0

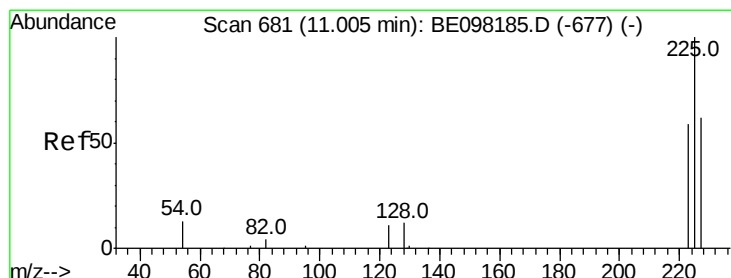
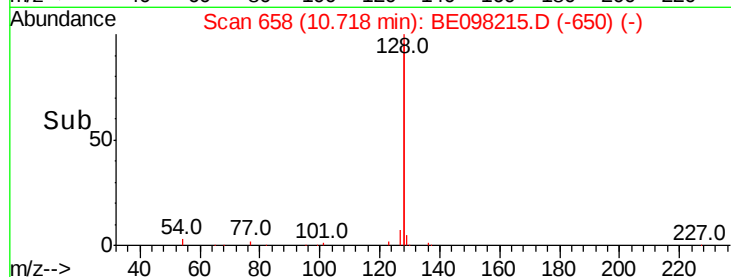
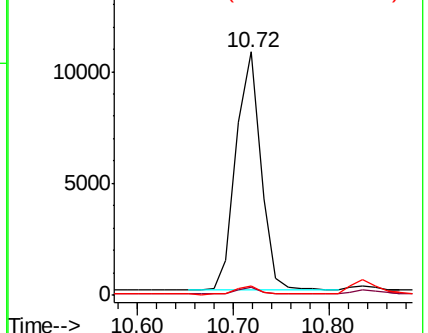
127 3.8 2.8 4.2



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: 0.334 ng

RT: 11.00 min Scan# 680

Delta R.T. -0.00 min

Lab File: BE098215.D

Acq: 13 Nov 2018 19:06

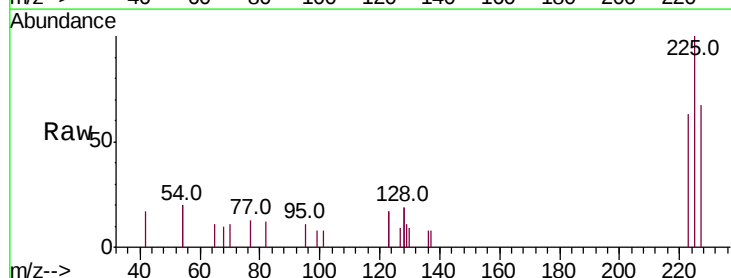
Tgt Ion:225 Resp: 939

Ion Ratio Lower Upper

225 100

223 62.6 50.5 75.7

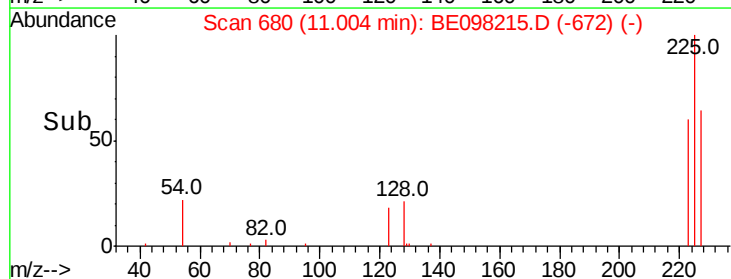
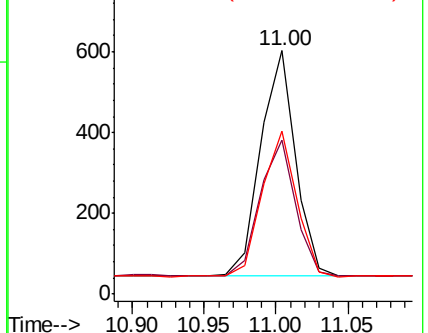
227 65.0 50.3 75.5

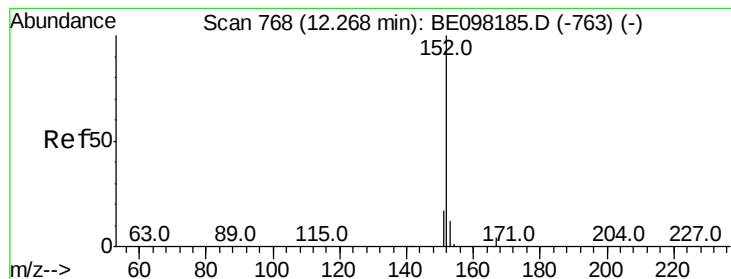


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.448 ng

RT: 12.27 min Scan# 767

Delta R.T. -0.00 min

Lab File: BE098215.D

Acq: 13 Nov 2018 19:06

Instrument :

BNA_E

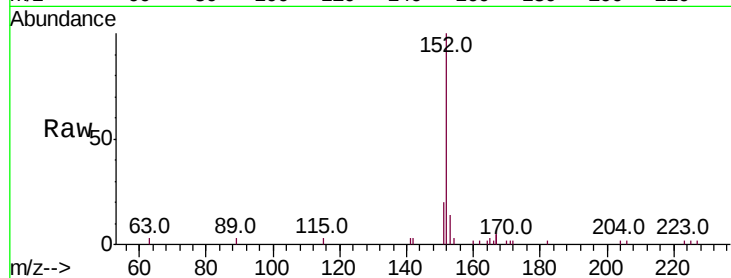
ClientSampleId :

Tot Ion:152 Resp: 3499

Ion Ratio Lower Upper

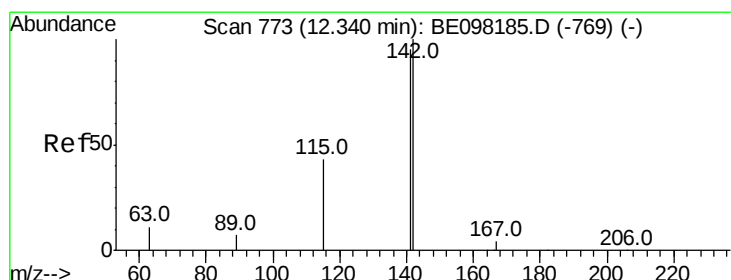
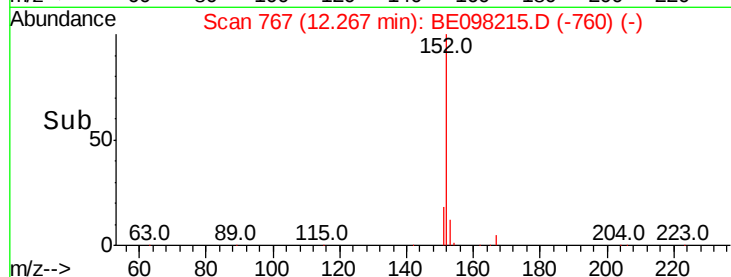
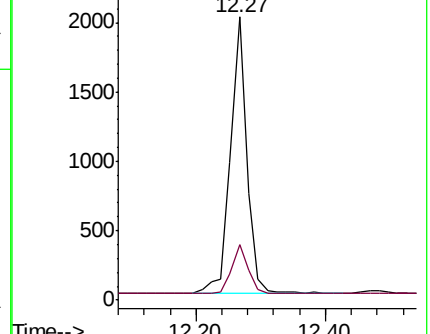
152 100

151 18.1 15.4 23.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.409 ng

RT: 12.34 min Scan# 772

Delta R.T. -0.00 min

Lab File: BE098215.D

Acq: 13 Nov 2018 19:06

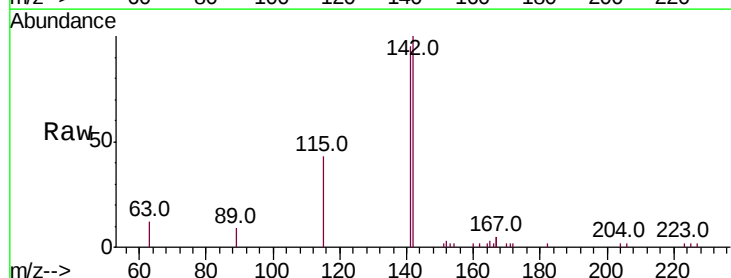
Tgt Ion:142 Resp: 3211

Ion Ratio Lower Upper

142 100

141 94.9 76.3 114.5

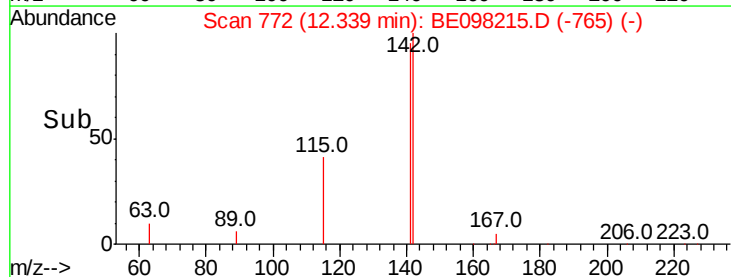
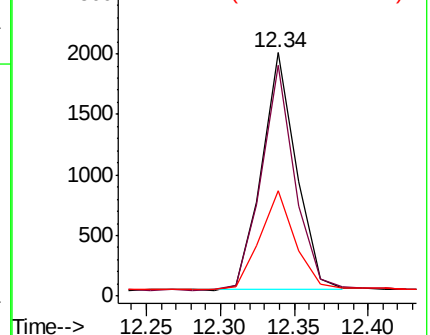
115 43.0 35.8 53.8

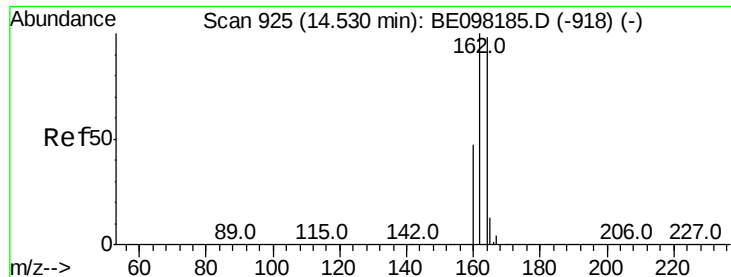


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

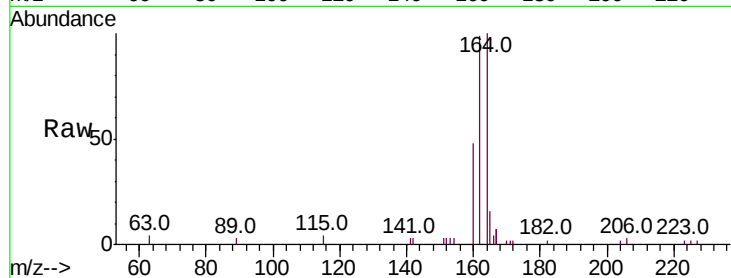




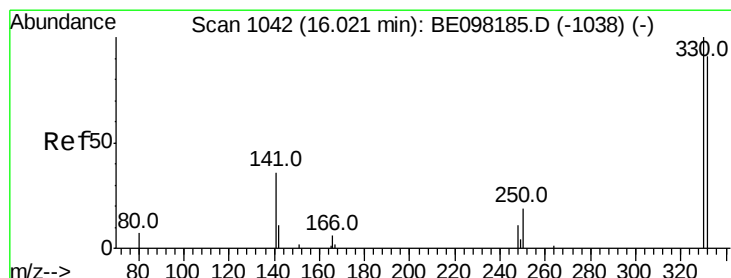
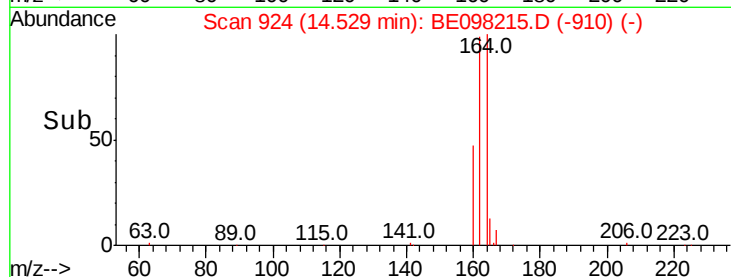
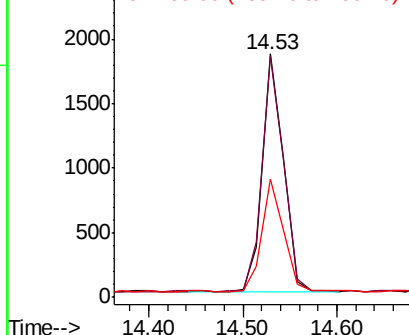
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.00 min
Lab File: BE098215.D
Acq: 13 Nov 2018 19:06

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 2897
Ion Ratio Lower Upper
164 100
162 98.8 81.8 122.6
160 48.4 39.4 59.0

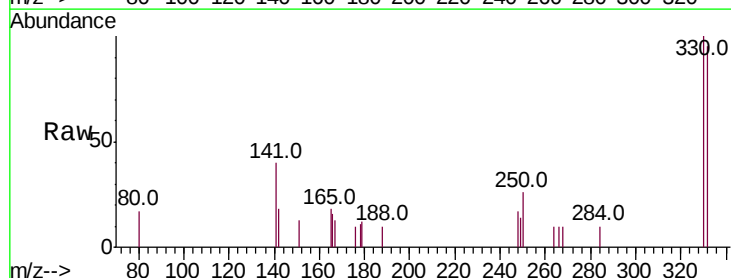


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

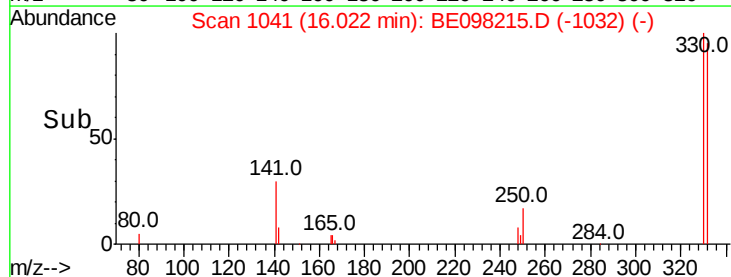
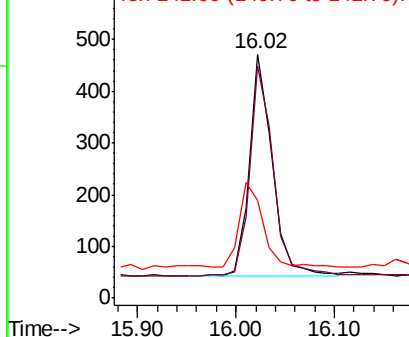


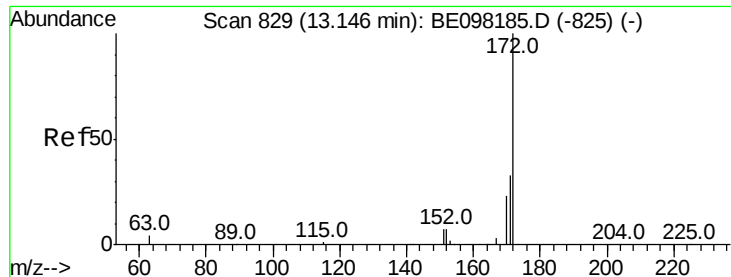
#14
2,4,6-Tribromophenol
Concen: 0.545 ng
RT: 16.02 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BE098215.D
Acq: 13 Nov 2018 19:06

Tgt Ion:330 Resp: 689
Ion Ratio Lower Upper
330 100
332 95.9 77.7 116.5
141 40.1 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

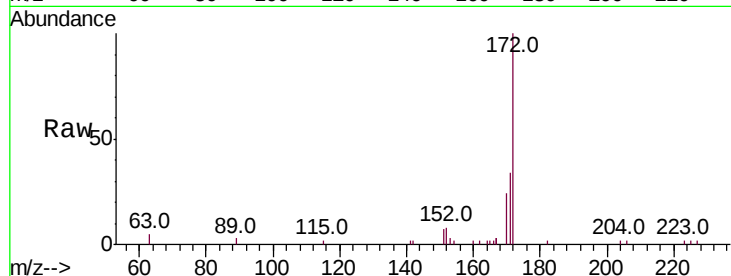




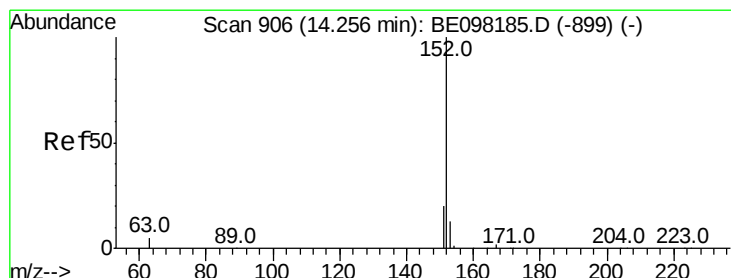
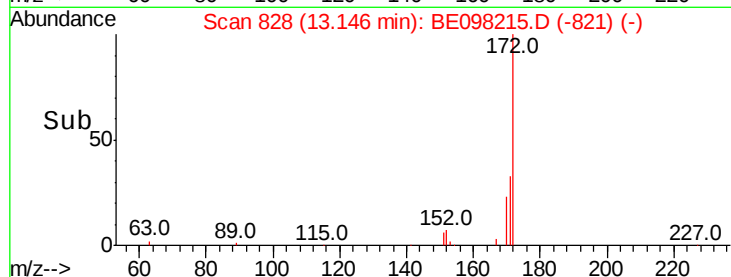
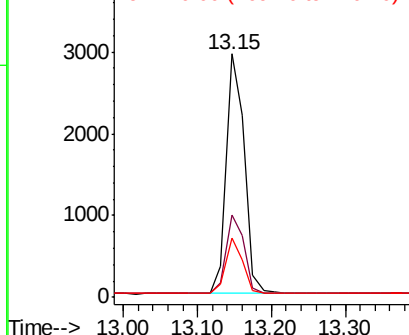
#15
2-Fluorobiphenyl
Concen: 0.413 ng
RT: 13.15 min Scan# 828
Delta R.T. -0.00 min
Lab File: BE098215.D
Acq: 13 Nov 2018 19:06

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 5007
Ion Ratio Lower Upper
172 100
171 34.0 27.3 40.9
170 24.4 19.4 29.0

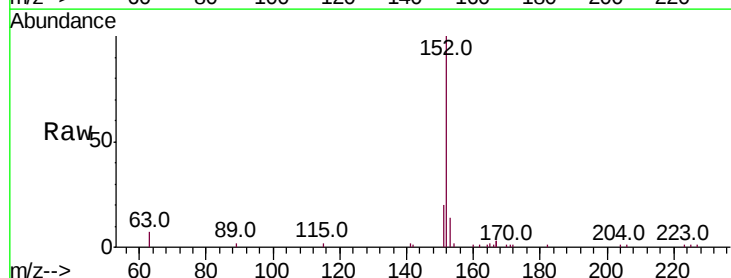


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

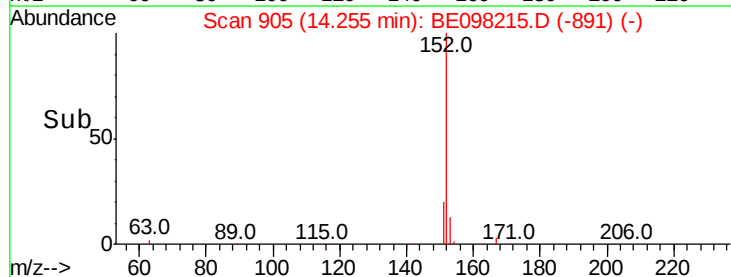
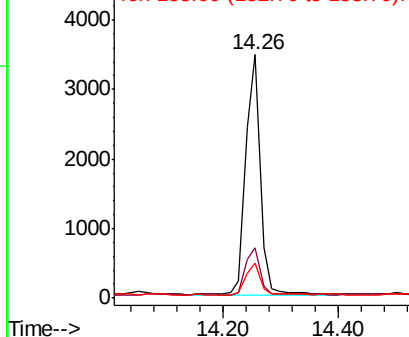


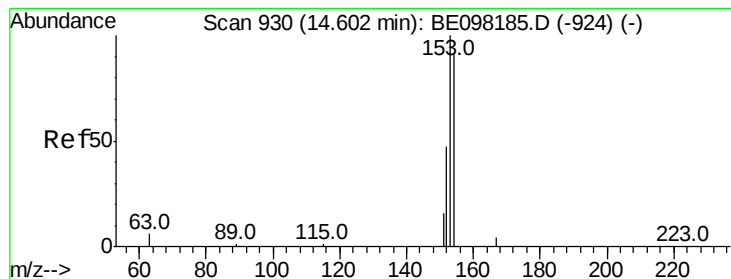
#16
Acenaphthylene
Concen: 0.458 ng
RT: 14.26 min Scan# 905
Delta R.T. -0.00 min
Lab File: BE098215.D
Acq: 13 Nov 2018 19:06

Tgt Ion:152 Resp: 6081
Ion Ratio Lower Upper
152 100
151 20.0 16.4 24.6
153 13.0 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: 0.387 ng

RT: 14.60 min Scan# 929

Delta R.T. -0.00 min

Lab File: BE098215.D

Acq: 13 Nov 2018 19:06

Instrument :

BNA_E

ClientSampled :

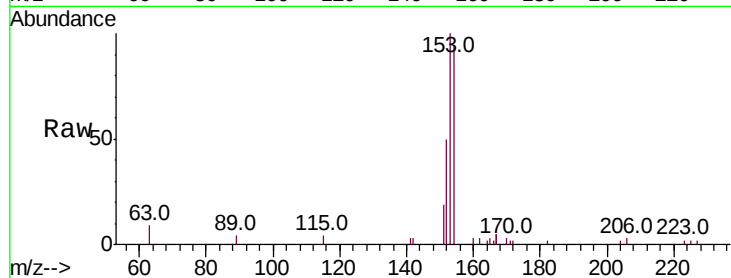
Tot Ion:154 Resp: 3137

Ion Ratio Lower Upper

154 100

153 112.1 92.1 138.1

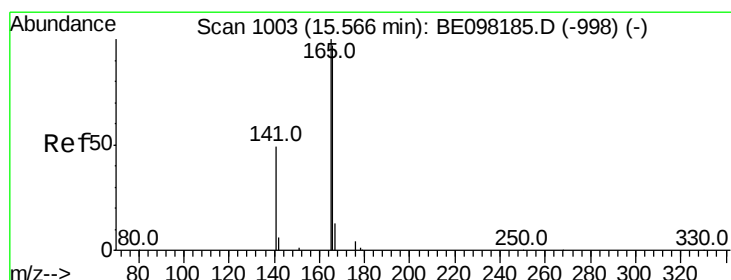
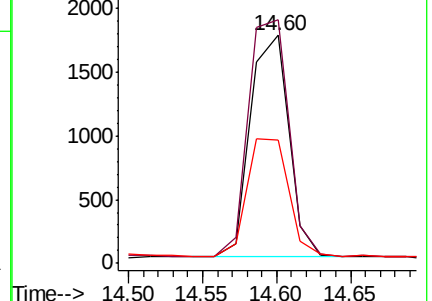
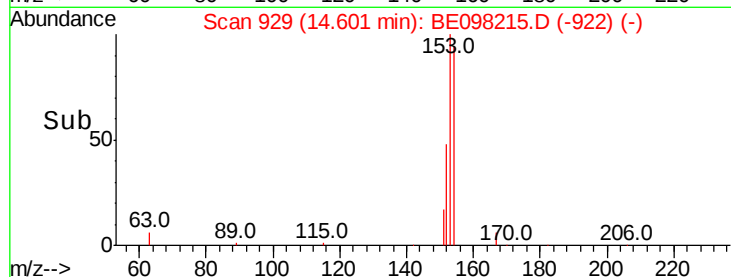
152 57.0 46.2 69.2



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: 0.449 ng

RT: 15.57 min Scan# 1002

Delta R.T. 0.00 min

Lab File: BE098215.D

Acq: 13 Nov 2018 19:06

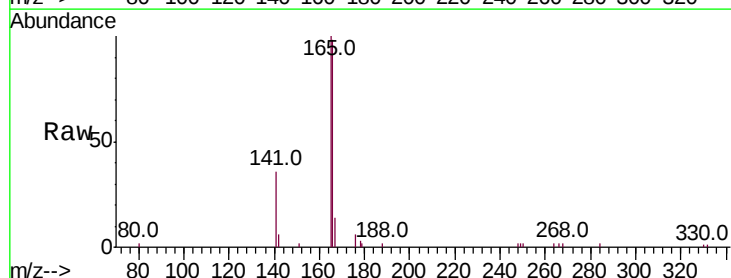
Tgt Ion:166 Resp: 4658

Ion Ratio Lower Upper

166 100

165 98.2 80.1 120.1

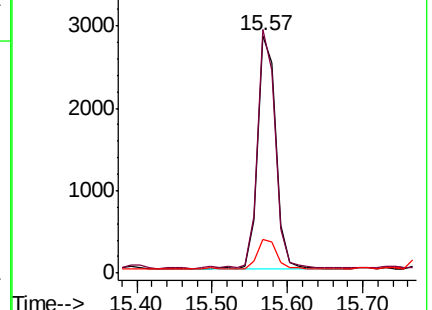
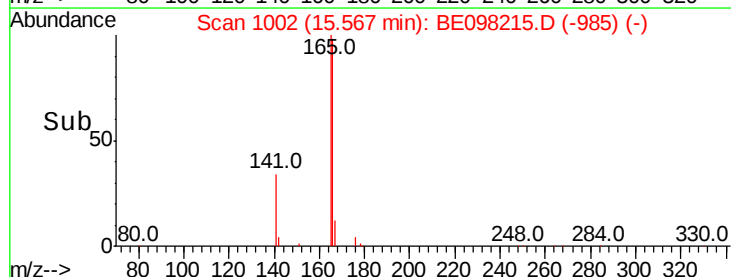
167 13.7 10.8 16.2

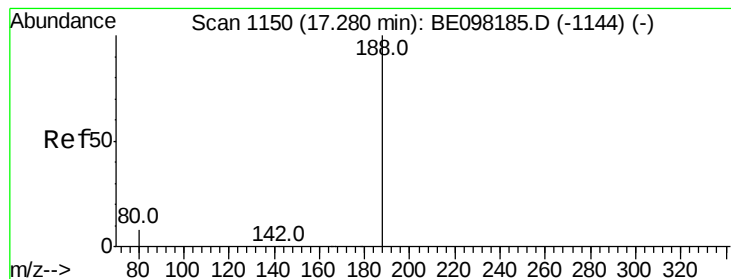


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE098215.D

Acq: 13 Nov 2018 19:06

Instrument :

BNA_E

ClientSampleId :

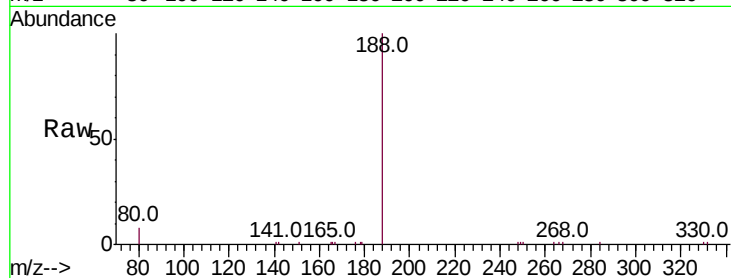
Tot Ion:188 Resp: 8249

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

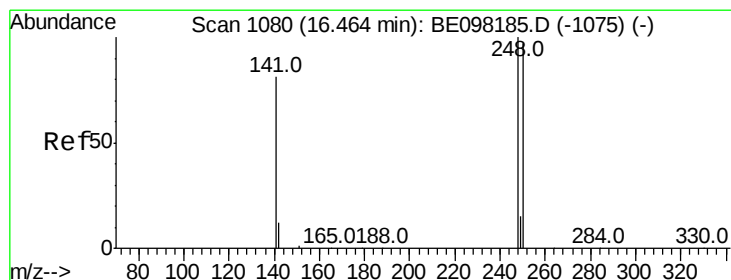
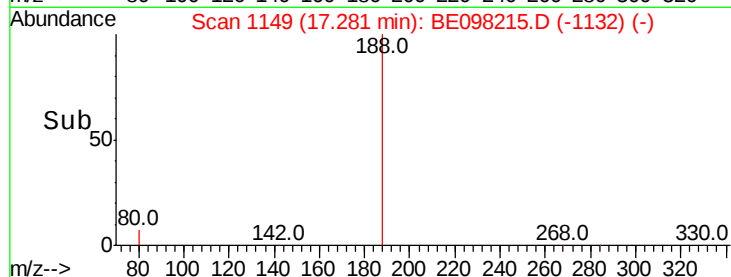
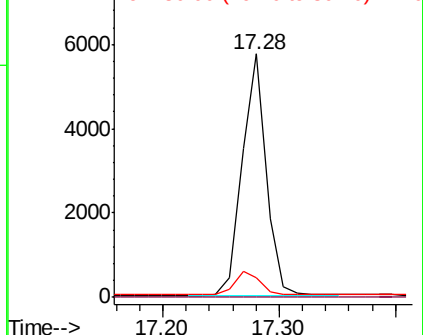
80 8.1 6.7 10.1



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: 0.351 ng

RT: 16.46 min Scan# 1079

Delta R.T. 0.00 min

Lab File: BE098215.D

Acq: 13 Nov 2018 19:06

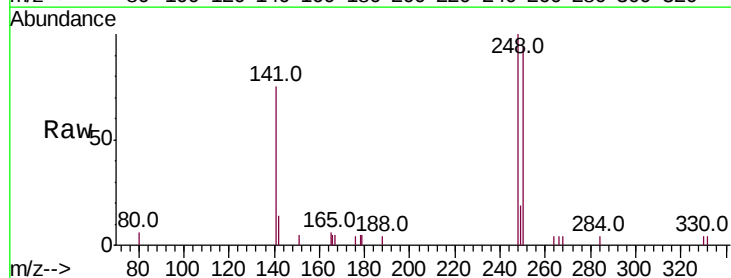
Tgt Ion:248 Resp: 1762

Ion Ratio Lower Upper

248 100

250 94.1 77.6 116.4

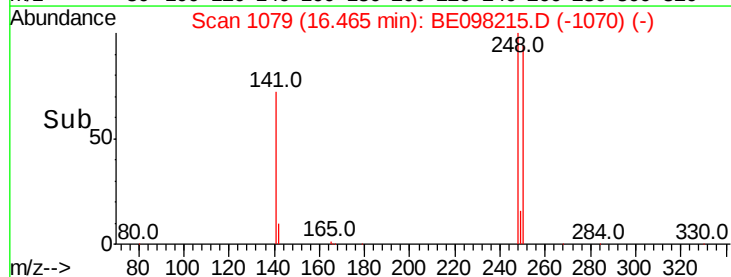
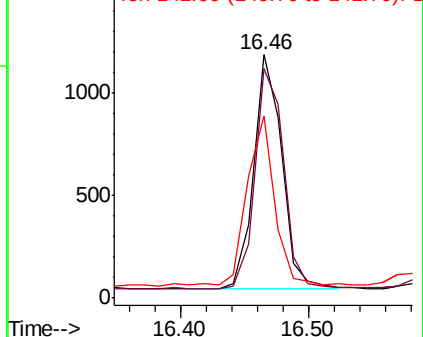
141 74.7 65.8 98.8

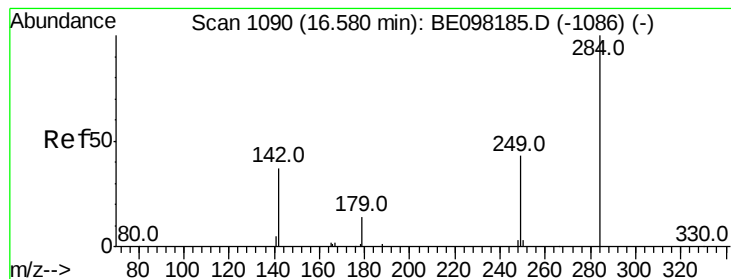


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.328 ng

RT: 16.58 min Scan# 1089

Delta R.T. 0.00 min

Lab File: BE098215.D

Acq: 13 Nov 2018 19:06

Instrument :

BNA_E

ClientSampled :

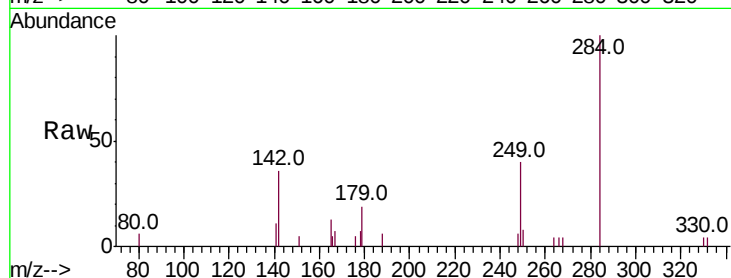
Tot Ion:284 Resp: 1713

Ion Ratio Lower Upper

284 100

142 33.9 26.5 39.7

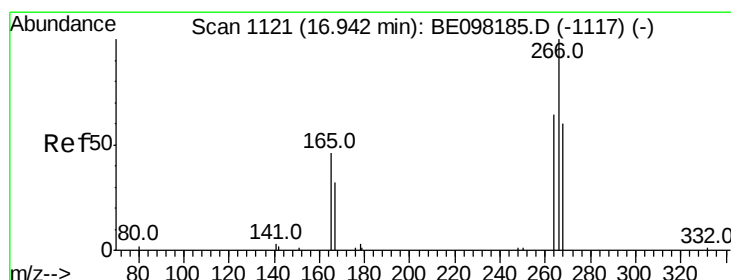
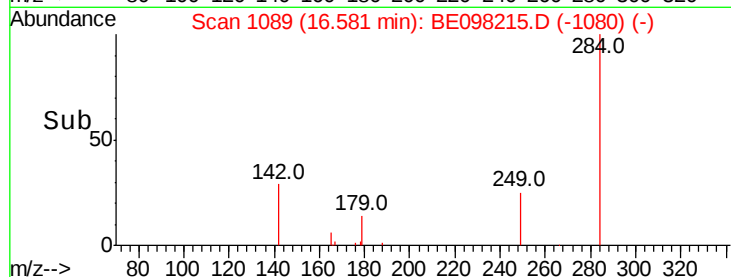
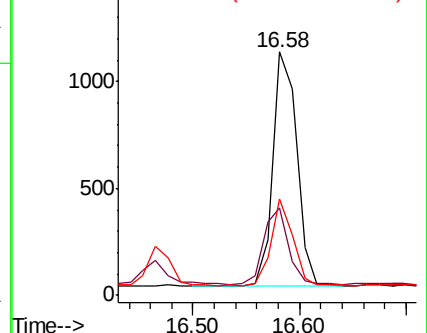
249 33.6 28.4 42.6



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: 0.516 ng

RT: 16.94 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE098215.D

Acq: 13 Nov 2018 19:06

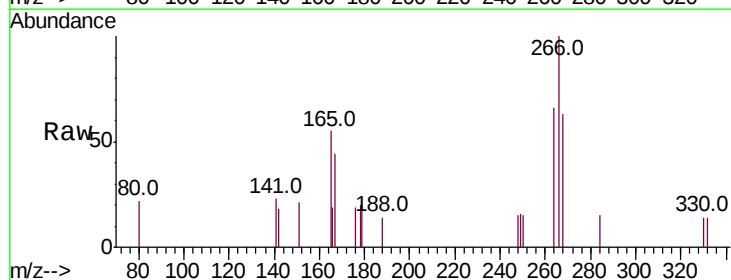
Tgt Ion:266 Resp: 509

Ion Ratio Lower Upper

266 100

264 65.5 57.6 86.4

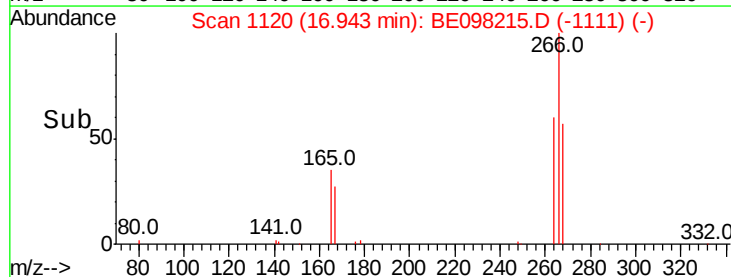
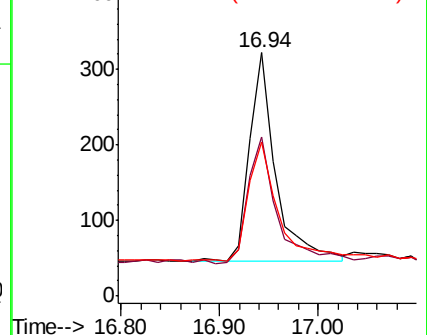
268 63.4 56.8 85.2

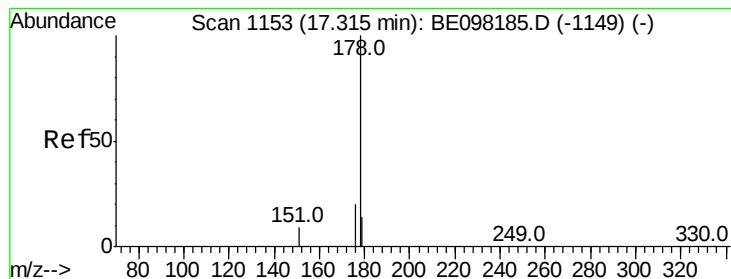


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.483 ng

RT: 17.32 min Scan# 1152

Delta R.T. 0.00 min

Lab File: BE098215.D

Acq: 13 Nov 2018 19:06

Instrument :

BNA_E

ClientSampleId :

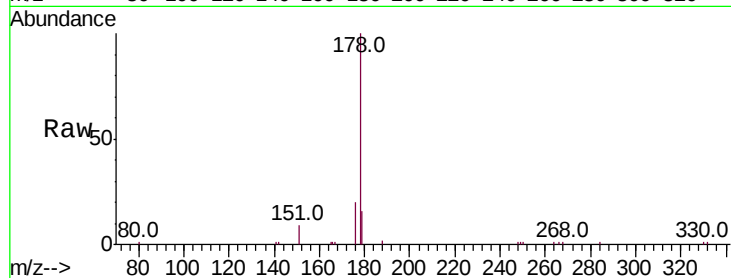
Tot Ion:178 Resp: 9930

Ion Ratio Lower Upper

178 100

176 18.9 15.8 23.8

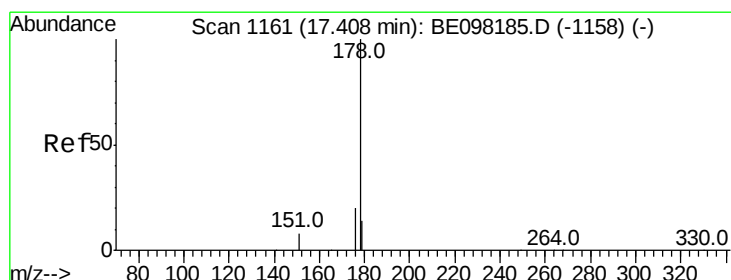
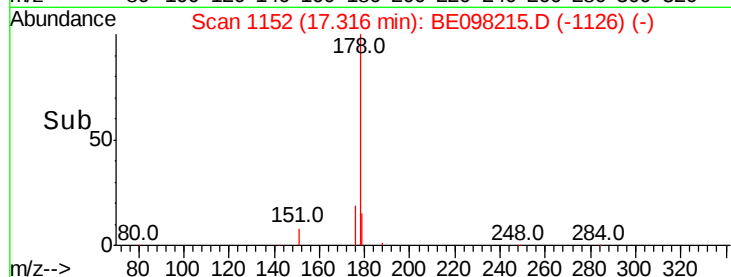
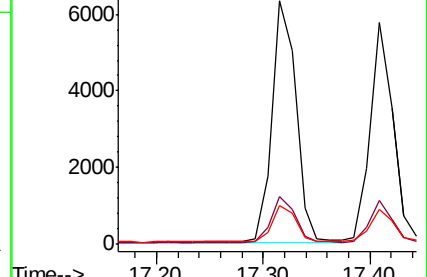
179 16.0 12.3 18.5



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



#24

Anthracene

Concen: 0.441 ng

RT: 17.41 min Scan# 1160

Delta R.T. 0.00 min

Lab File: BE098215.D

Acq: 13 Nov 2018 19:06

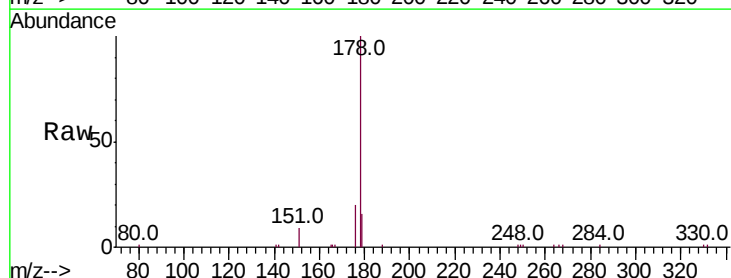
Tgt Ion:178 Resp: 8447

Ion Ratio Lower Upper

178 100

176 18.7 15.7 23.5

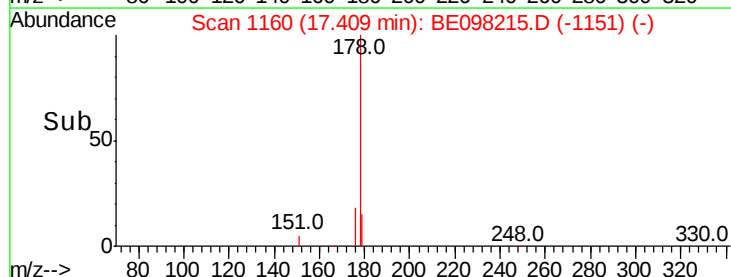
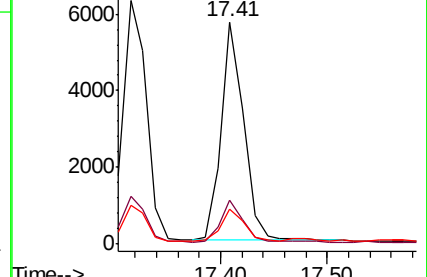
179 15.0 12.1 18.1

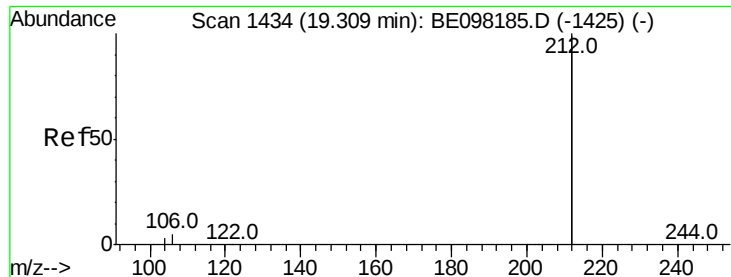


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.485 ng

RT: 19.31 min Scan# 1433

Delta R.T. -0.00 min

Lab File: BE098215.D

Acq: 13 Nov 2018 19:06

Instrument :

BNA_E

ClientSampleId :

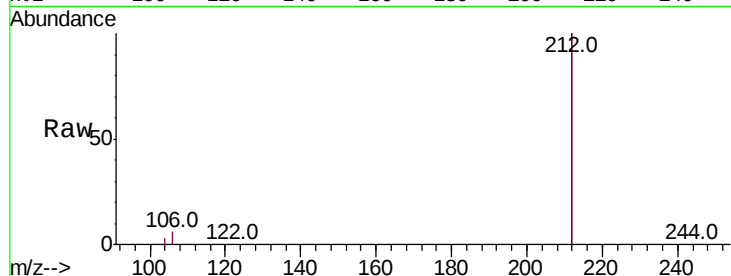
Tot Ion:212 Resp: 50005

Ion Ratio Lower Upper

212 100

106 2.6 1.8 2.8

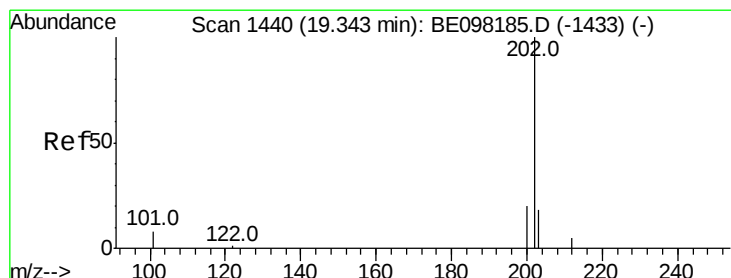
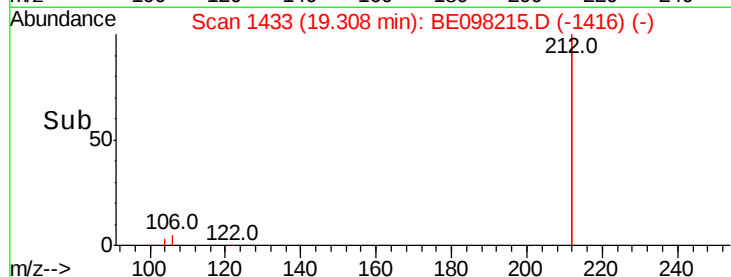
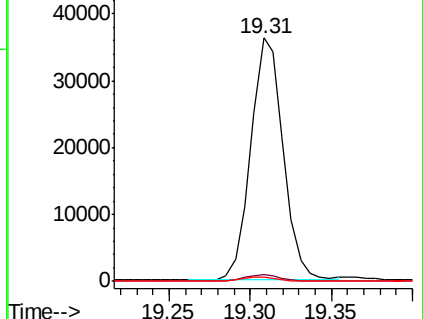
104 1.5 1.1 1.7



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: 0.602 ng

RT: 19.34 min Scan# 1439

Delta R.T. -0.00 min

Lab File: BE098215.D

Acq: 13 Nov 2018 19:06

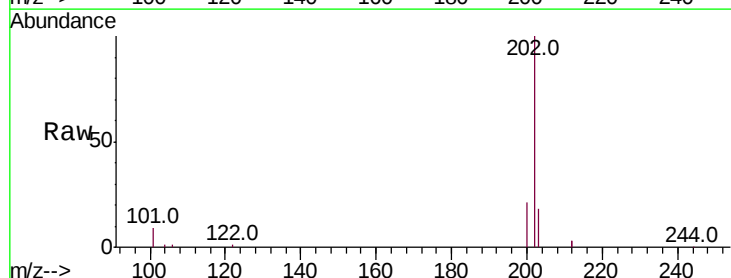
Tgt Ion:202 Resp: 15327

Ion Ratio Lower Upper

202 100

101 9.6 7.0 10.6

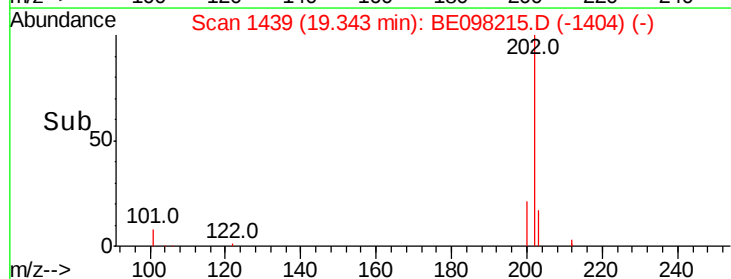
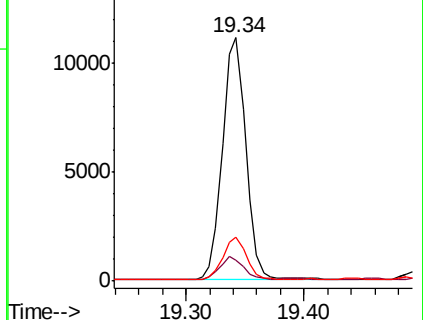
203 17.1 13.7 20.5

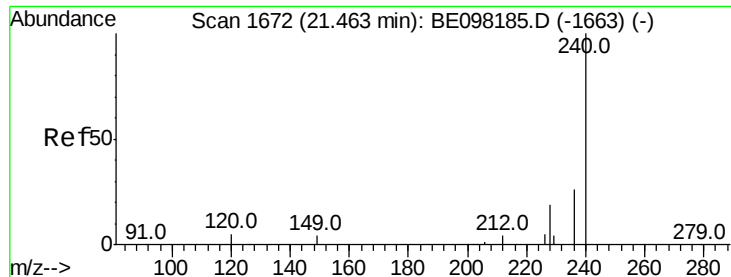


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE098215.D

Acq: 13 Nov 2018 19:06

Instrument :

BNA_E

ClientSampleId :

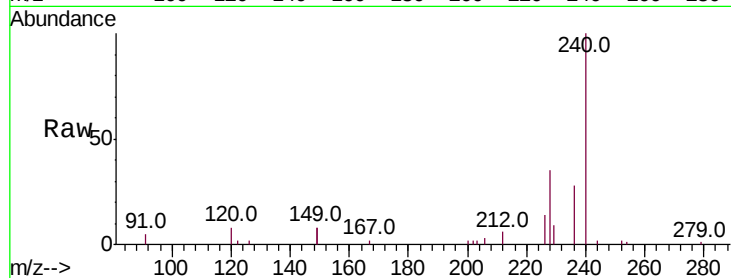
Tot Ion:240 Resp: 9559

Ion Ratio Lower Upper

240 100

120 8.1 4.8 7.2#

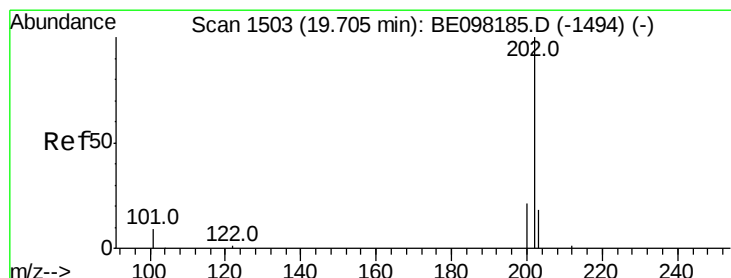
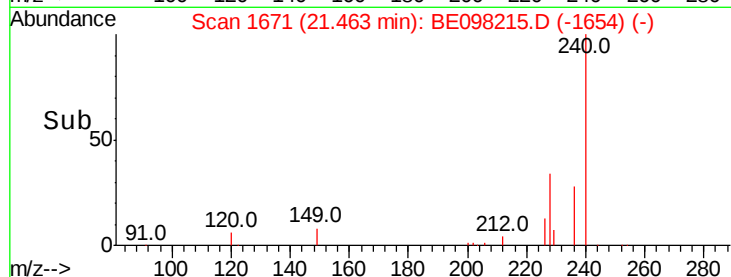
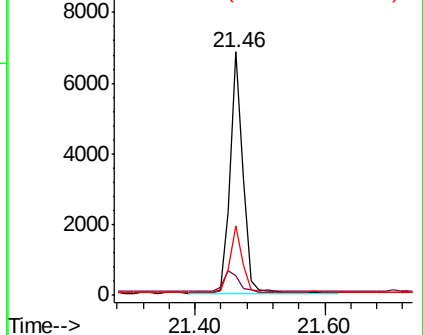
236 28.5 21.4 32.0



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: 0.579 ng

RT: 19.70 min Scan# 1502

Delta R.T. -0.00 min

Lab File: BE098215.D

Acq: 13 Nov 2018 19:06

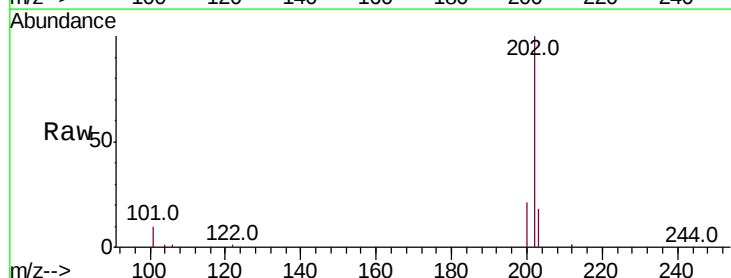
Tgt Ion:202 Resp: 15237

Ion Ratio Lower Upper

202 100

200 21.3 17.2 25.8

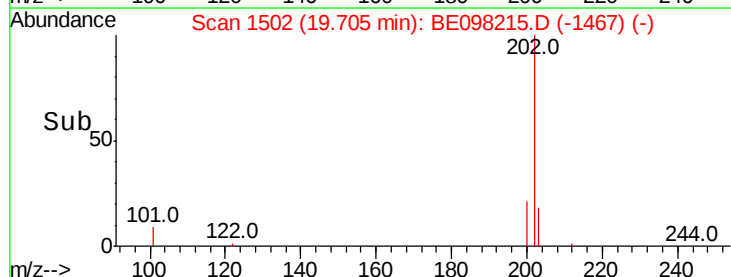
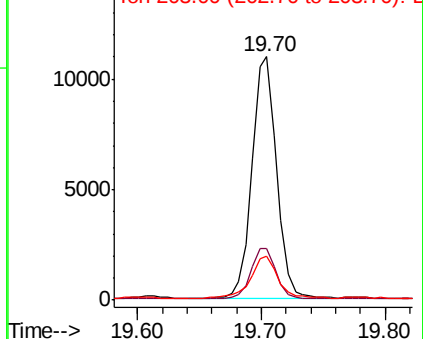
203 19.1 14.2 21.4

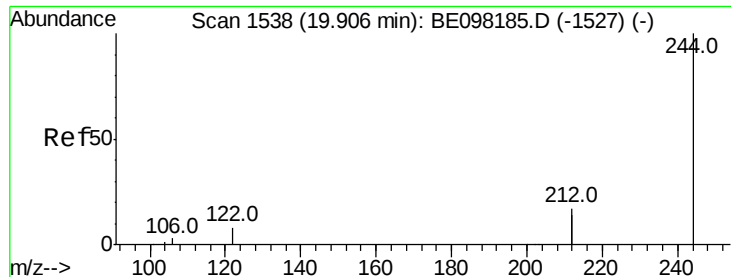


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.423 ng

RT: 19.91 min Scan# 1537

Delta R.T. -0.00 min

Lab File: BE098215.D

Acq: 13 Nov 2018 19:06

Instrument :

BNA_E

ClientSampleId :

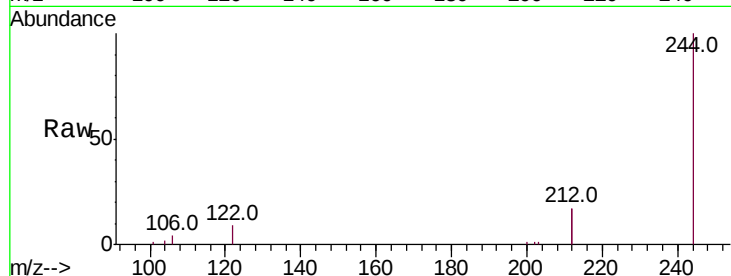
Tot Ion:244 Resp: 9183

Ion Ratio Lower Upper

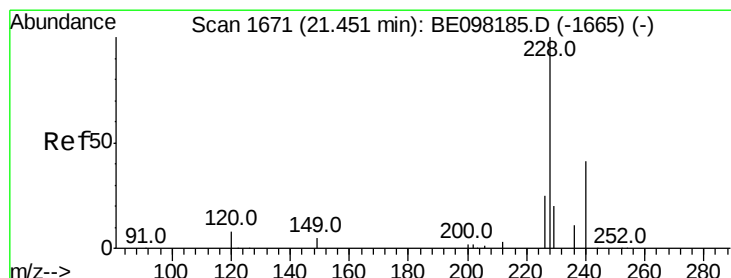
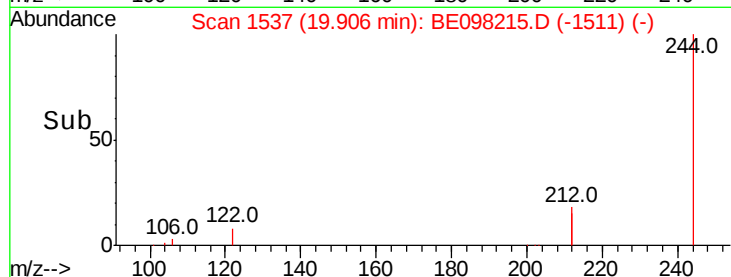
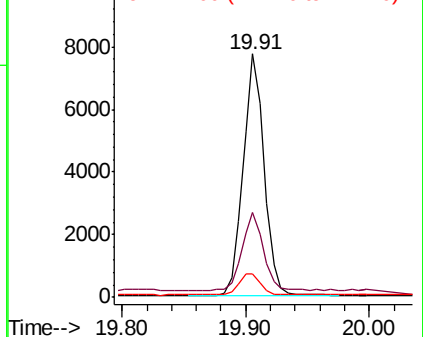
244 100

212 35.0 26.8 40.2

122 9.4 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: 0.604 ng

RT: 21.45 min Scan# 1670

Delta R.T. -0.00 min

Lab File: BE098215.D

Acq: 13 Nov 2018 19:06

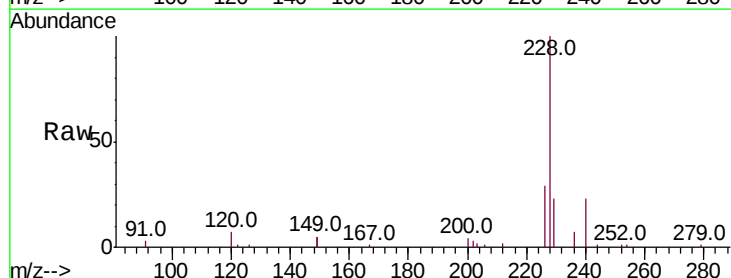
Tgt Ion:228 Resp: 16403

Ion Ratio Lower Upper

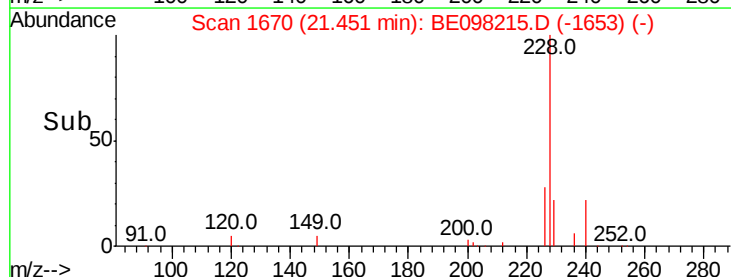
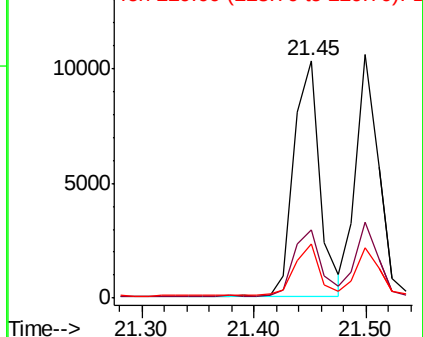
228 100

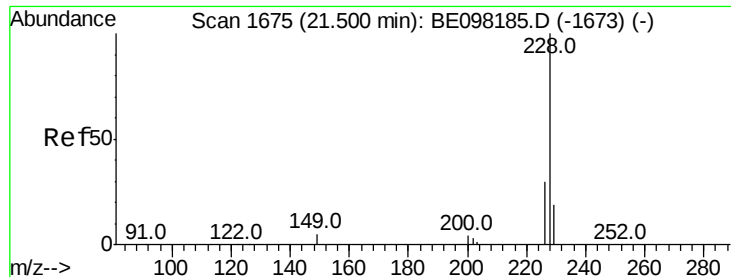
226 28.6 20.7 31.1

229 22.6 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





#31

Chrysene

Concen: 0.528 ng

RT: 21.50 min Scan# 1674

Delta R.T. -0.00 min

Lab File: BE098215.D

Acq: 13 Nov 2018 19:06

Instrument :

BNA_E

ClientSampled :

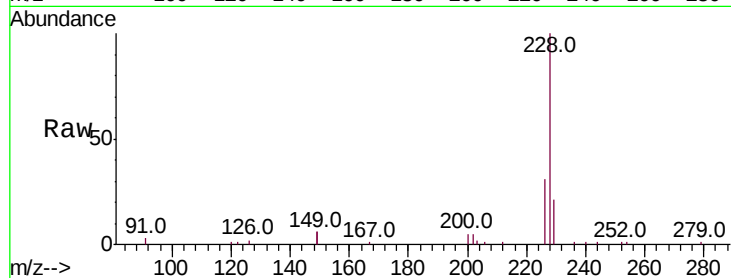
Tot Ion:228 Resp: 14563

Ion Ratio Lower Upper

228 100

226 31.1 24.6 36.8

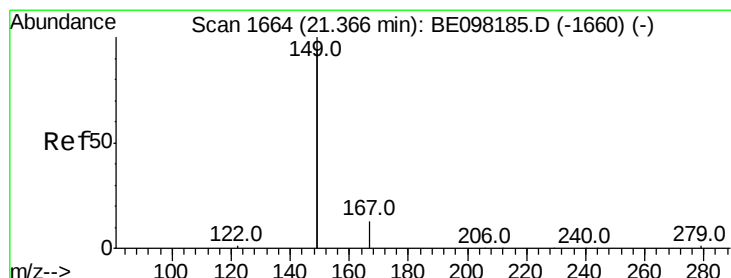
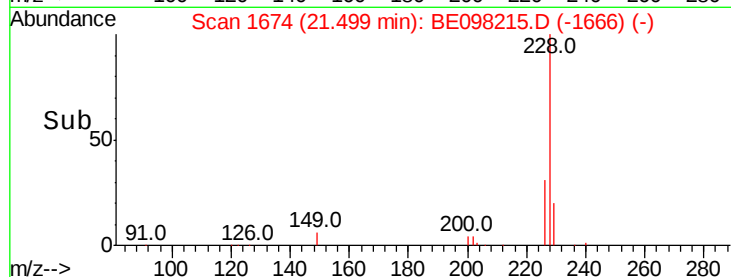
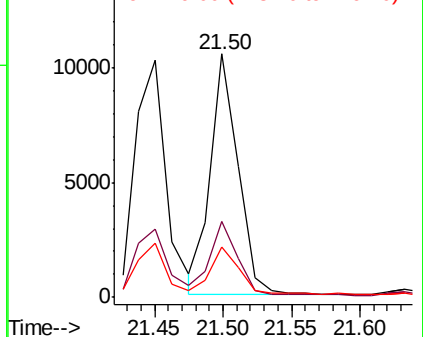
229 20.9 16.0 24.0



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: 0.786 ng

RT: 21.37 min Scan# 1663

Delta R.T. -0.00 min

Lab File: BE098215.D

Acq: 13 Nov 2018 19:06

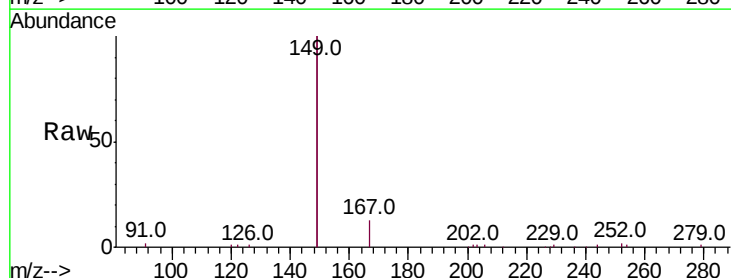
Tgt Ion:149 Resp: 44345

Ion Ratio Lower Upper

149 100

167 6.9 5.6 8.4

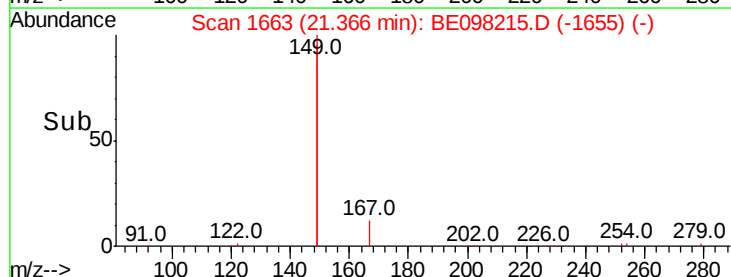
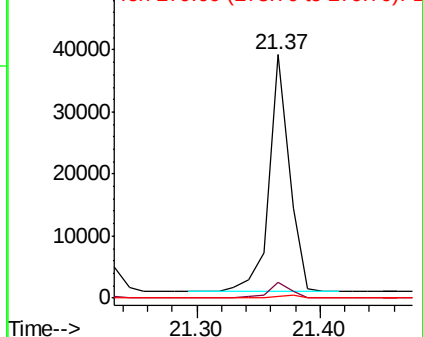
279 1.1 0.9 1.3

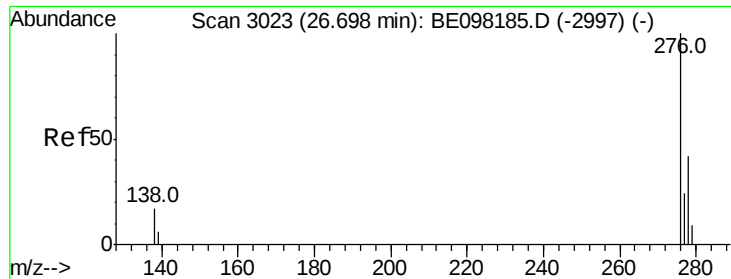


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.556 ng

RT: 26.70 min Scan# 3023

Delta R.T. 0.00 min

Lab File: BE098215.D

Acq: 13 Nov 2018 19:06

Instrument :

BNA_E

ClientSampleId :

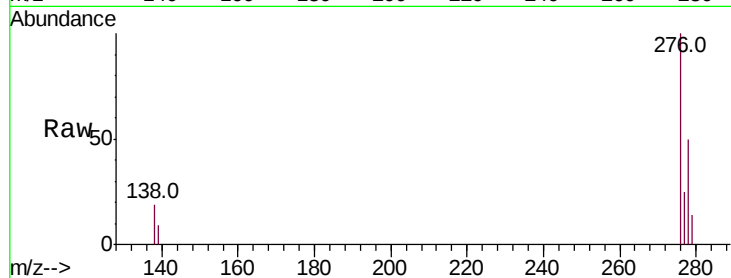
Tot Ion:276 Resp: 14054

Ion Ratio Lower Upper

276 100

138 18.6 6.4 9.6#

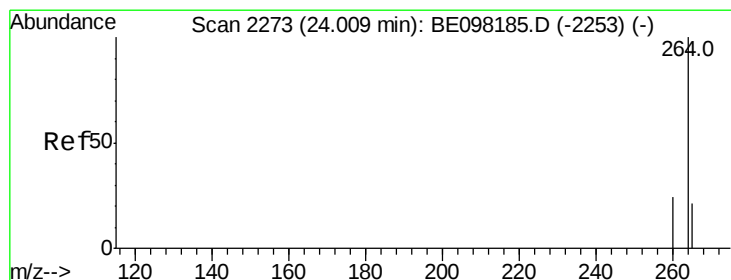
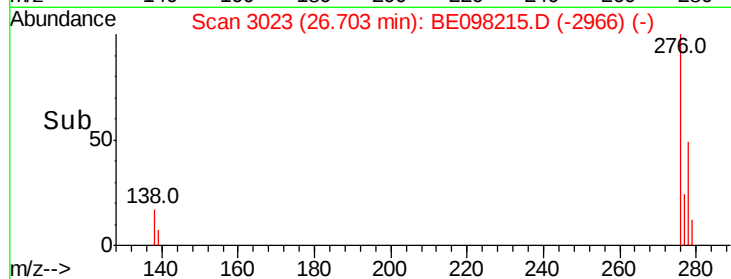
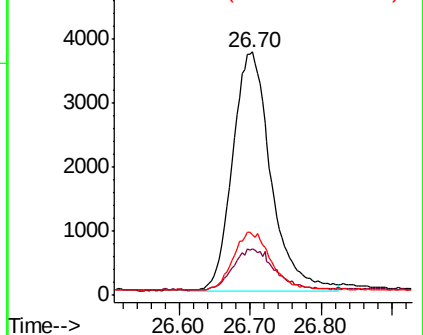
277 24.1 18.9 28.3



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# 2273

Delta R.T. 0.00 min

Lab File: BE098215.D

Acq: 13 Nov 2018 19:06

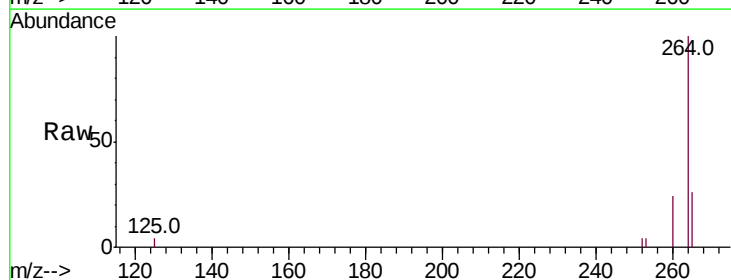
Tgt Ion:264 Resp: 9444

Ion Ratio Lower Upper

264 100

260 24.5 19.9 29.9

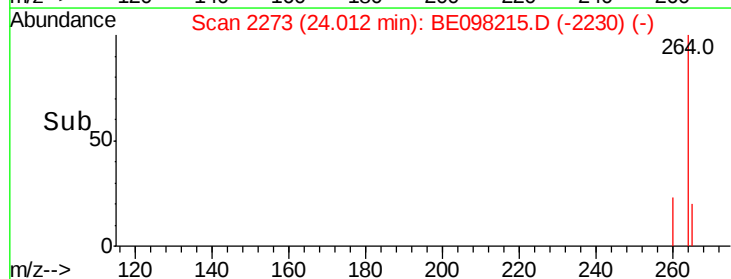
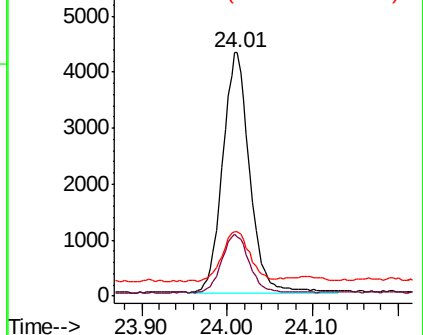
265 26.5 21.3 31.9

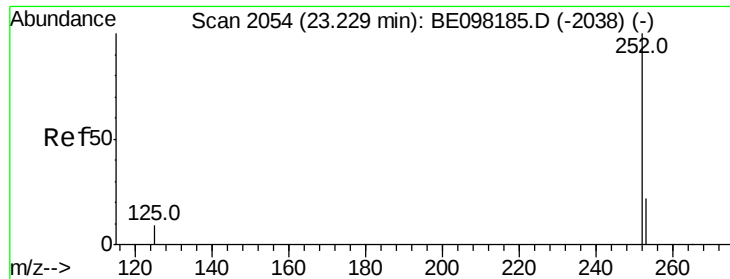


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.600 ng

RT: 23.23 min Scan# 2053

Delta R.T. -0.00 min

Lab File: BE098215.D

Acq: 13 Nov 2018 19:06

Instrument :

BNA_E

ClientSampleId :

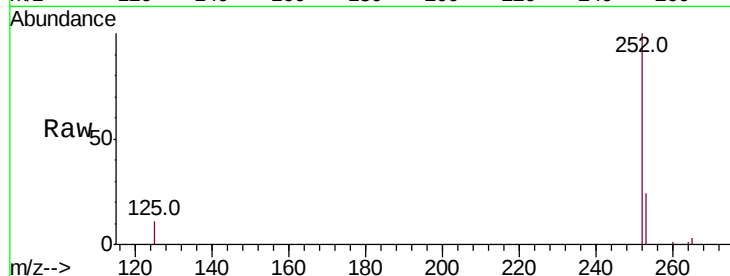
Tot Ion:252 Resp: 16062

Ion Ratio Lower Upper

252 100

253 23.8 19.4 29.0

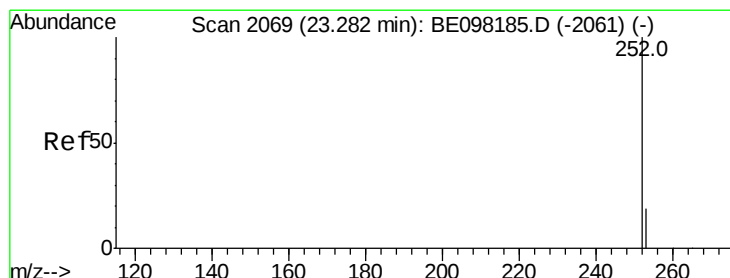
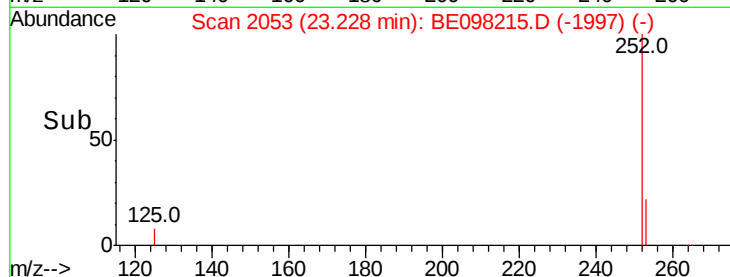
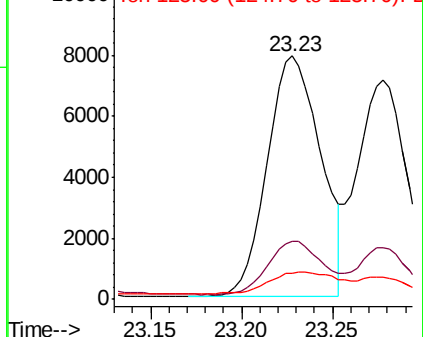
125 10.6 8.6 12.8



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: 0.464 ng

RT: 23.28 min Scan# 2067

Delta R.T. -0.00 min

Lab File: BE098215.D

Acq: 13 Nov 2018 19:06

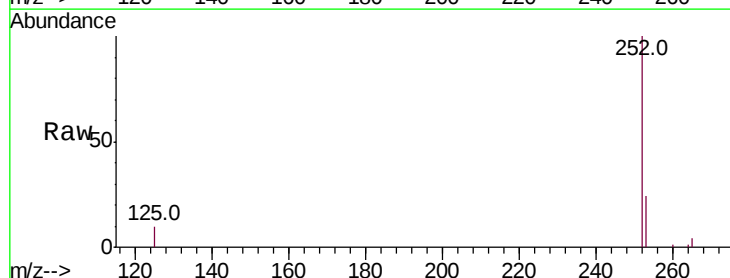
Tgt Ion:252 Resp: 13118

Ion Ratio Lower Upper

252 100

253 23.8 18.6 28.0

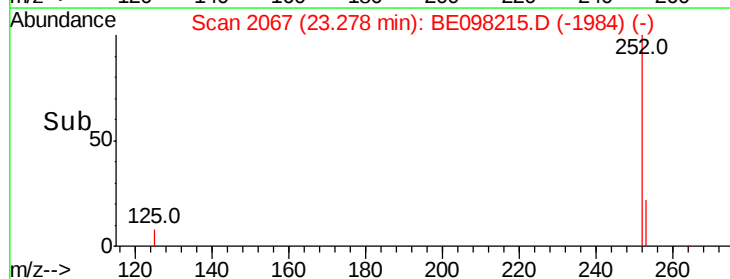
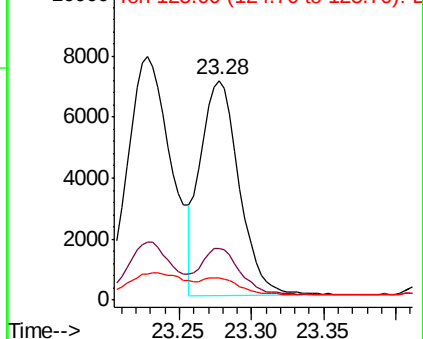
125 10.3 7.4 11.0

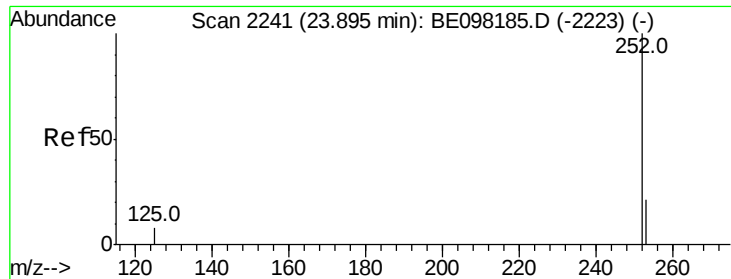


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.575 ng

RT: 23.89 min Scan# 2239

Delta R.T. -0.00 min

Lab File: BE098215.D

Acq: 13 Nov 2018 19:06

Instrument :

BNA_E

ClientSampleId :

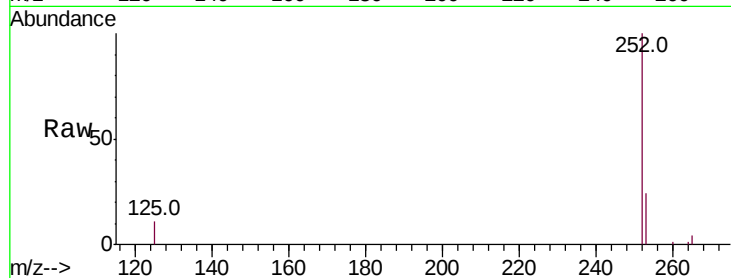
Tot Ion:252 Resp: 14774

Ion Ratio Lower Upper

252 100

253 23.9 18.6 27.8

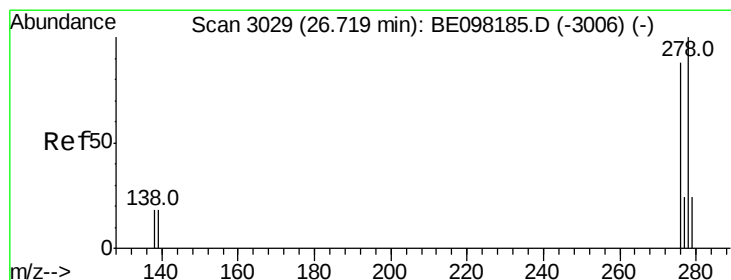
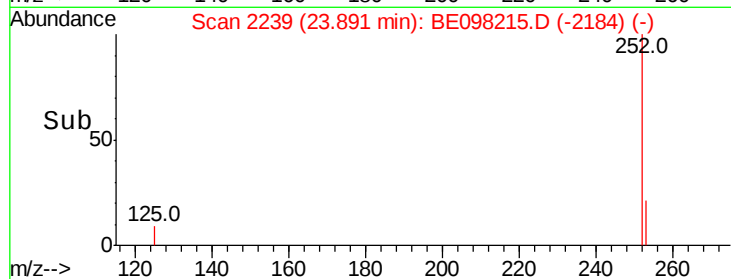
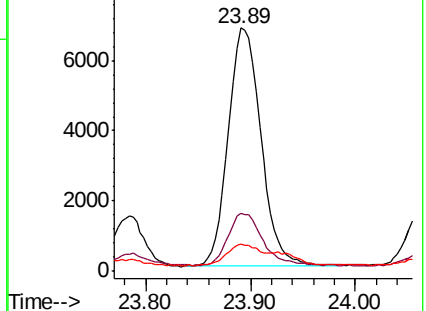
125 11.0 8.0 12.0



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



#38

Dibenzo(a,h)anthracene

Concen: 0.448 ng

RT: 26.72 min Scan# 3029

Delta R.T. 0.00 min

Lab File: BE098215.D

Acq: 13 Nov 2018 19:06

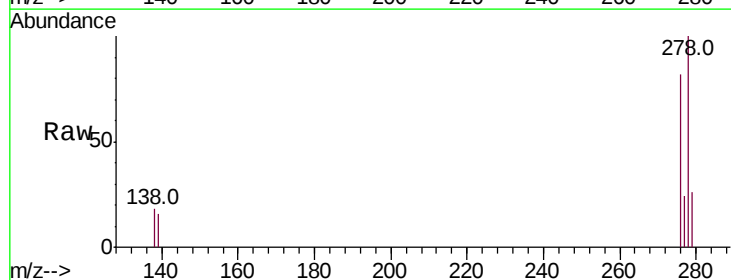
Tgt Ion:278 Resp: 9802

Ion Ratio Lower Upper

278 100

139 16.1 16.4 24.6#

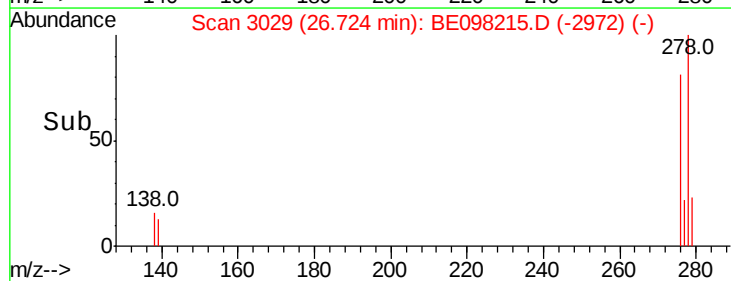
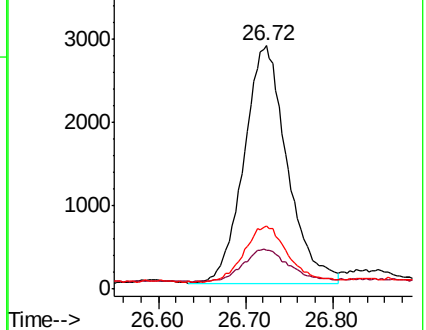
279 25.9 21.3 31.9

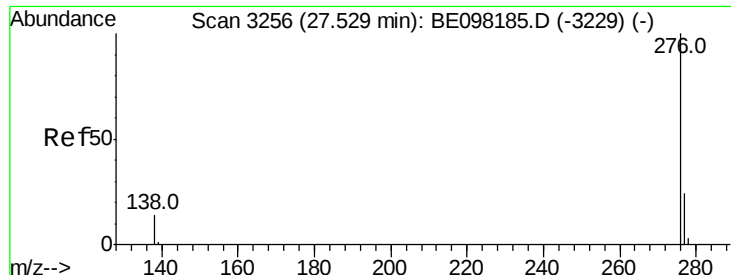


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.525 ng

RT: 27.53 min Scan# 3254

Delta R.T. -0.00 min

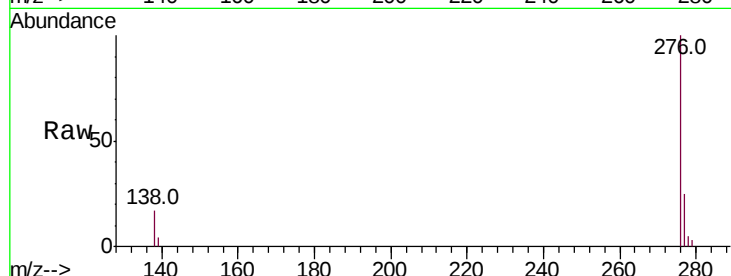
Lab File: BE098215.D

Acq: 13 Nov 2018 19:06

Instrument :

BNA_E

ClientSampleId :



Tot Ion:276 Resp: 11999

Ion Ratio Lower Upper

276 100

277 25.5 20.4 30.6

138 17.5 13.2 19.8

