

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121018\
 Data File : BE098299.D
 Acq On : 10 Dec 2018 15:32
 Operator : SJ/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE121018

Quant Time: Dec 10 16:04:23 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	7.86	152	1402	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	6236	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	4141	0.40	ng	0.00
19) Phenanthrene-d10	17.28	188	11893	0.40	ng	0.00
27) Chrysene-d12	21.46	240	12847	0.40	ng	0.00
34) Perylene-d12	24.01	264	11774	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.45	112	1274	0.39	ng	0.00
5) Phenol-d6	7.04	99	1766	0.38	ng	0.00
8) Nitrobenzene-d5	9.03	82	2150	0.38	ng	0.01
11) 2-Methylnaphthalene-d10	12.27	152	4125	0.41	ng	0.00
14) 2,4,6-Tribromophenol	16.02	330	585	0.38	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	6405	0.37	ng	0.00
25) Fluoranthene-d10	19.31	212	64763	0.42	ng	0.00
29) Terphenyl-d14	19.91	244	12371	0.40	ng	0.00

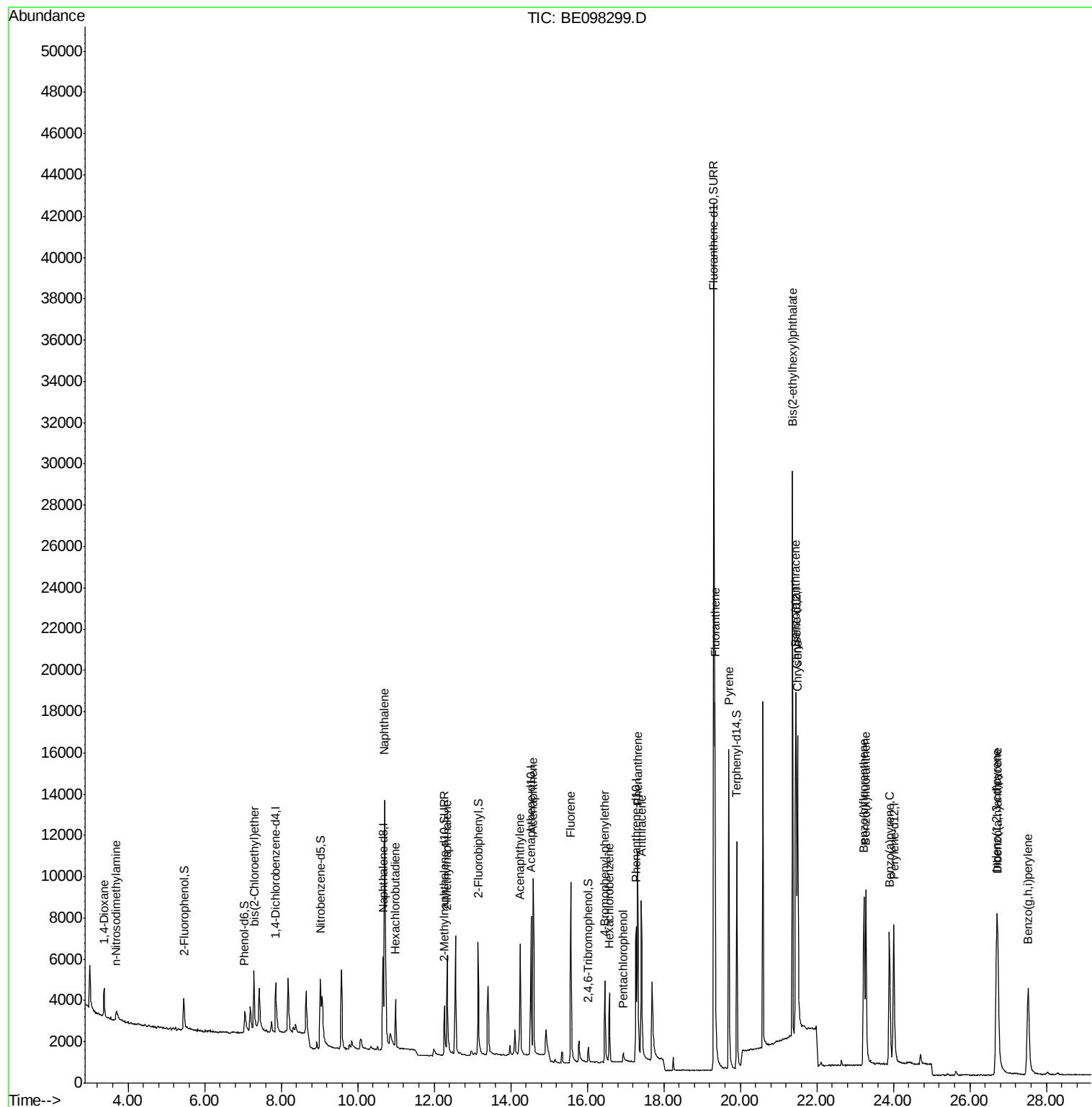
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.37	88	927	0.382	ng	98
3) n-Nitrosodimethylamine	3.69	42	708	0.324	ng	# 100
6) bis(2-Chloroethyl)ether	7.29	93	1634	0.370	ng	90
9) Naphthalene	10.70	128	25163	0.401	ng	99
10) Hexachlorobutadiene	10.99	225	1651	0.413	ng	97
12) 2-Methylnaphthalene	12.34	142	4059	0.398	ng	98
16) Acenaphthylene	14.24	152	7482	0.386	ng	99
17) Acenaphthene	14.59	154	4560	0.391	ng	100
18) Fluorene	15.57	166	6215	0.399	ng	100
20) 4-Bromophenyl-phenylether	16.46	248	2424	0.379	ng	93
21) Hexachlorobenzene	16.58	284	2648	0.385	ng	98
22) Pentachlorophenol	16.94	266	382	0.352	ng	90
23) Phenanthrene	17.32	178	11503	0.398	ng	98
24) Anthracene	17.41	178	9824	0.381	ng	100
26) Fluoranthene	19.34	202	16123	0.422	ng	99
28) Pyrene	19.70	202	16410	0.407	ng	99
30) Benzo(a)anthracene	21.45	228	14077	0.385	ng	98
31) Chrysene	21.50	228	15266	0.398	ng	98
32) Bis(2-ethylhexyl)phthalate	21.37	149	29233	0.393	ng	99
33) Indeno(1,2,3-cd)pyrene	26.70	276	14660	0.384	ng	99
35) Benzo(b)fluoranthene	23.23	252	12417	0.386	ng	99
36) Benzo(k)fluoranthene	23.28	252	14462	0.386	ng	99
37) Benzo(a)pyrene	23.90	252	12809	0.386	ng	98
38) Dibenzo(a,h)anthracene	26.73	278	12007	0.384	ng	99
39) Benzo(g,h,i)perylene	27.52	276	12350	0.392	ng	97

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

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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: BE098299.D

Acq: 10 Dec 2018 15:32

Instrument :

BNA_E

ClientSampleId :

ICVBE121018

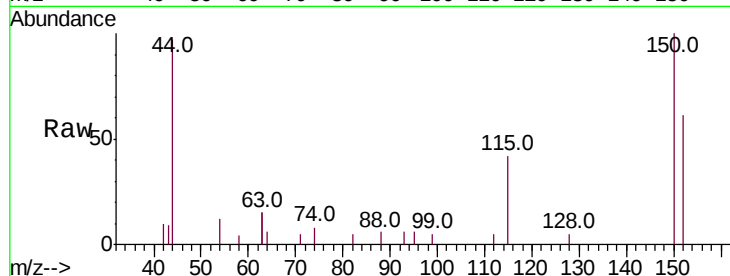
Tot Ion:152 Resp: 1402

Ion Ratio Lower Upper

152 100

150 163.4 124.2 186.4

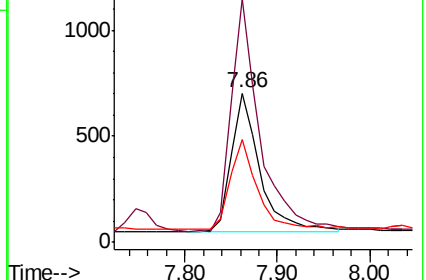
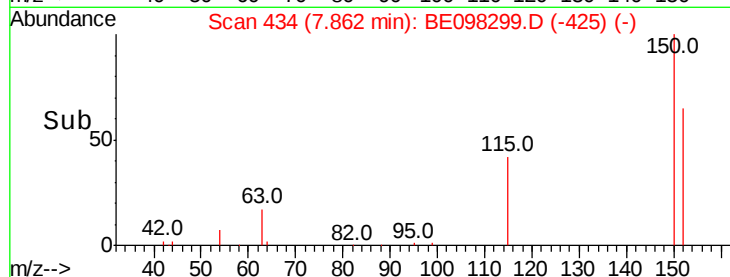
115 68.8 53.9 80.9



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: 0.382 ng

RT: 3.37 min Scan# 44

Delta R.T. -0.00 min

Lab File: BE098299.D

Acq: 10 Dec 2018 15:32

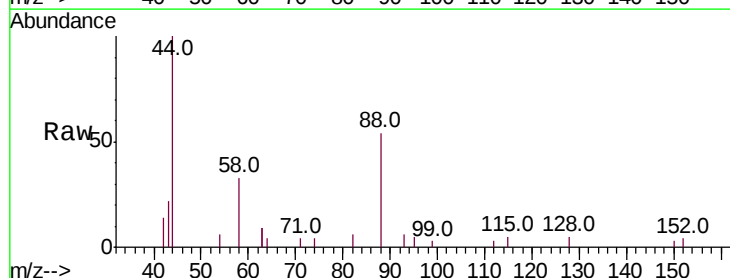
Tgt Ion: 88 Resp: 927

Ion Ratio Lower Upper

88 100

58 94.9 75.0 112.6

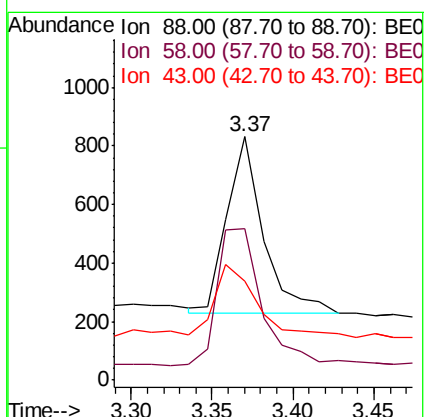
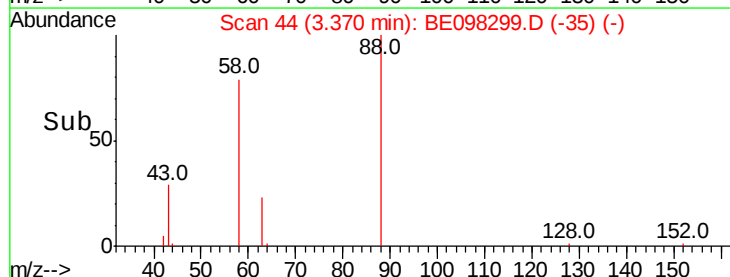
43 50.8 38.3 57.5



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



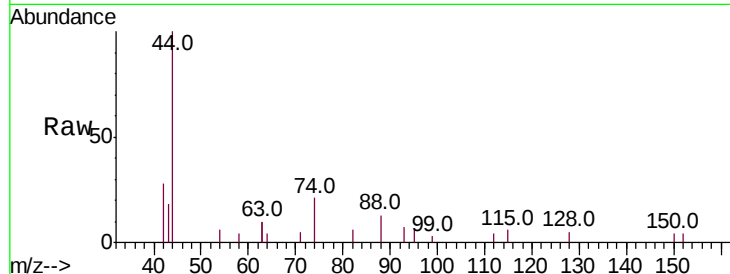


#3

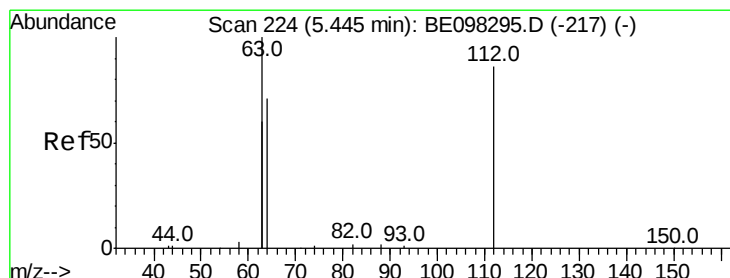
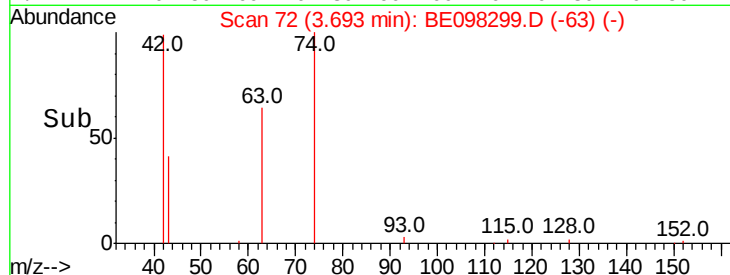
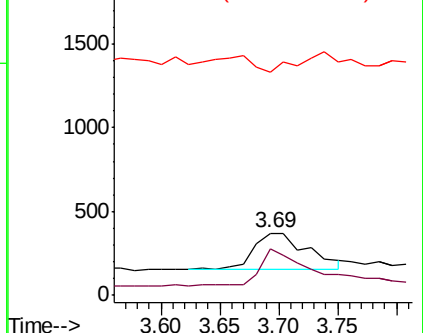
n-Nitrosodimethylamine
 Concen: 0.324 ng
 RT: 3.69 min Scan# 72
 Delta R.T. -0.00 min
 Lab File: BE098299.D
 Acq: 10 Dec 2018 15:32

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE121018

Tot Ion: 42 Resp: 708
 Ion Ratio Lower Upper
 42 100
 74 76.0 0.0 0.0#
 44 0.0 0.0 0.0



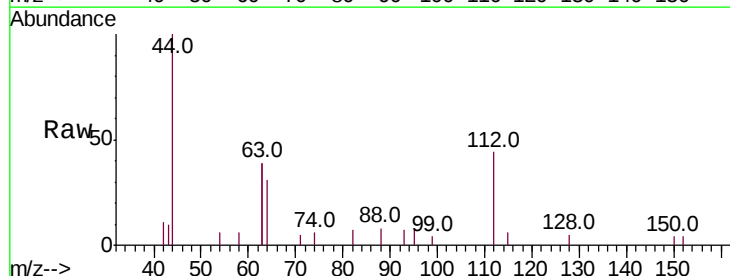
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



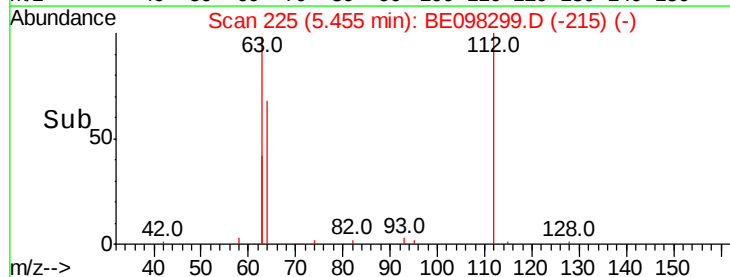
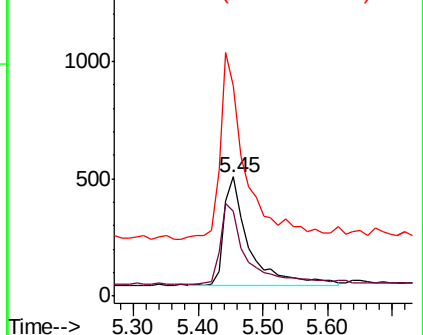
#4

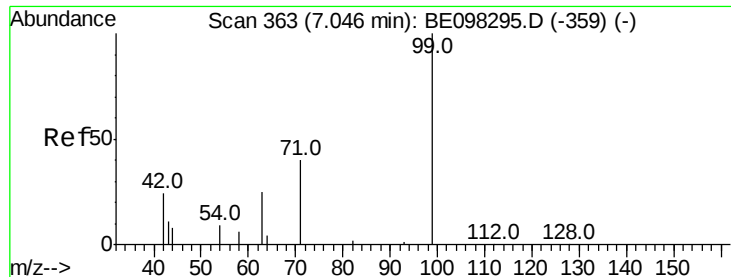
2-Fluorophenol
 Concen: 0.388 ng
 RT: 5.45 min Scan# 225
 Delta R.T. 0.01 min
 Lab File: BE098299.D
 Acq: 10 Dec 2018 15:32

Tgt Ion: 112 Resp: 1274
 Ion Ratio Lower Upper
 112 100
 64 81.1 59.8 89.8
 63 172.9 133.7 200.5



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BE0
 Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.380 ng

RT: 7.04 min Scan# 363

Delta R.T. -0.00 min

Lab File: BE098299.D

Acq: 10 Dec 2018 15:32

Instrument :

BNA_E

ClientSampleId :

ICVBE121018

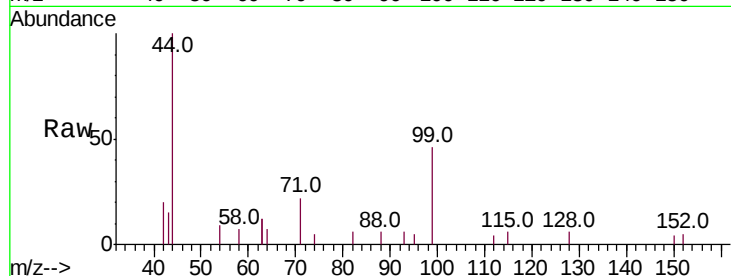
Tot Ion: 99 Resp: 1766

Ion Ratio Lower Upper

99 100

42 27.9 26.3 39.5

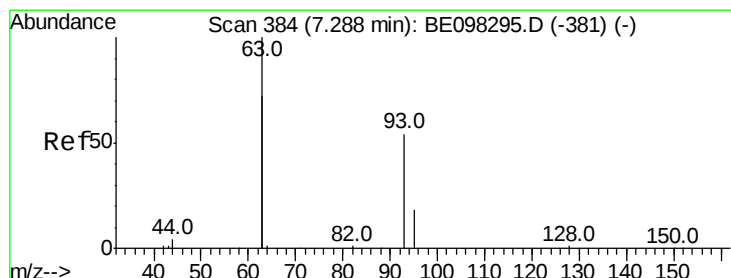
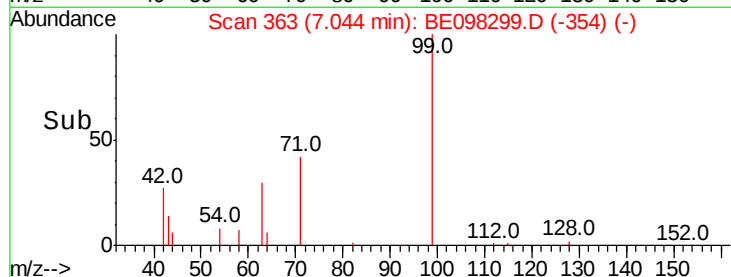
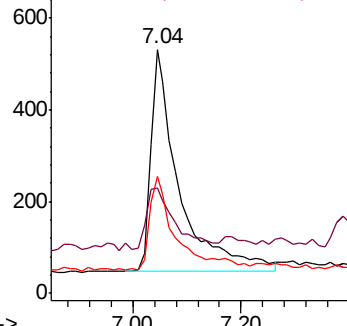
71 38.6 33.6 50.4



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: 0.370 ng

RT: 7.29 min Scan# 384

Delta R.T. -0.00 min

Lab File: BE098299.D

Acq: 10 Dec 2018 15:32

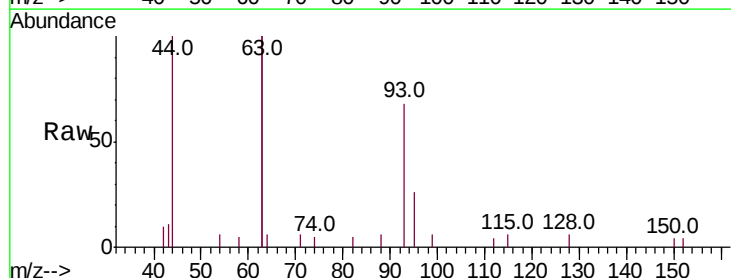
Tgt Ion: 93 Resp: 1634

Ion Ratio Lower Upper

93 100

63 309.5 264.4 396.6

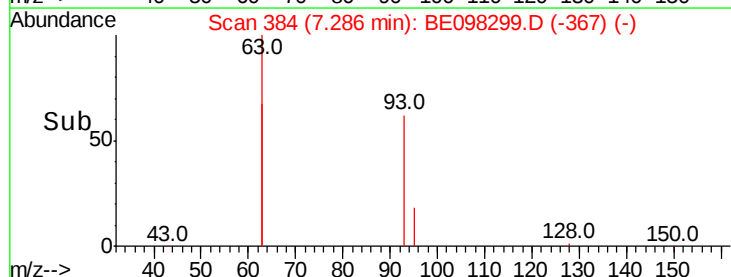
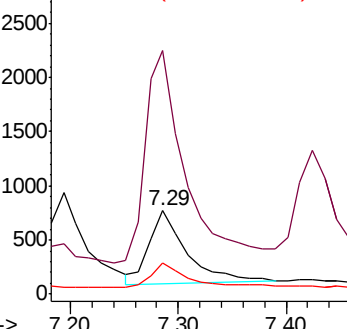
95 36.4 26.6 40.0

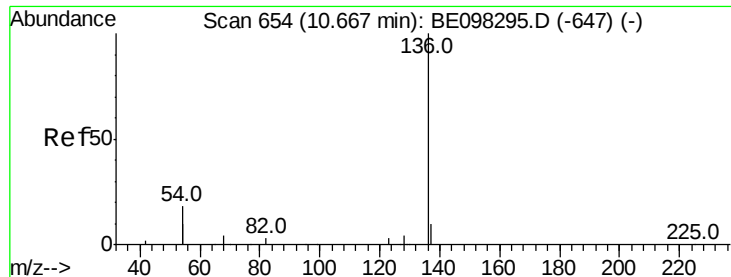


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE098299.D

Acq: 10 Dec 2018 15:32

Instrument :

BNA_E

ClientSampleId :

ICVBE121018

Tot Ion:136 Resp: 6236

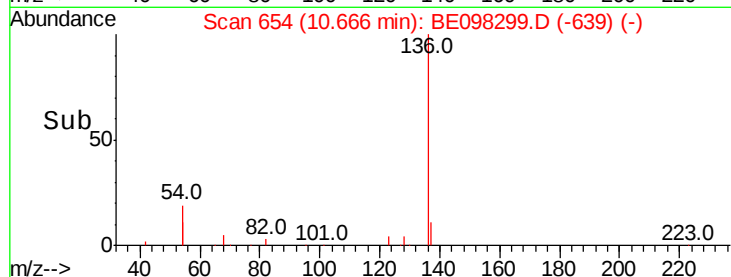
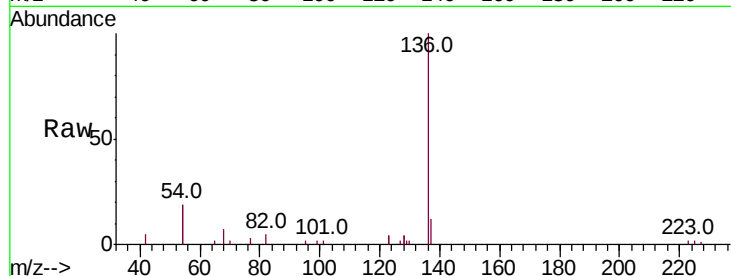
Ion Ratio Lower Upper

136 100

137 12.4 9.2 13.8

54 37.2 28.4 42.6

68 6.8 5.4 8.0

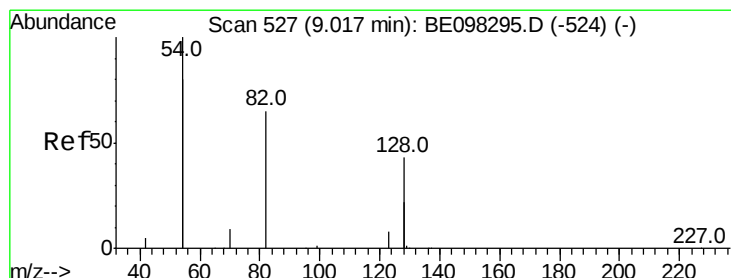
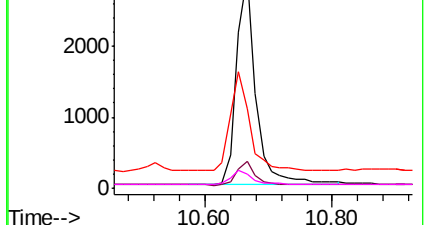


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.379 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.01 min

Lab File: BE098299.D

Acq: 10 Dec 2018 15:32

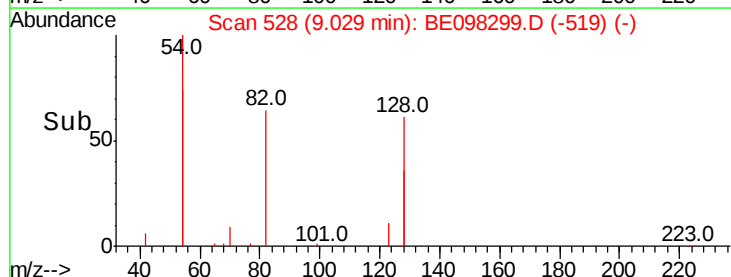
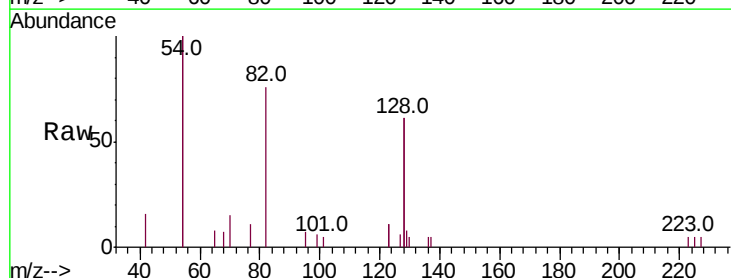
Tgt Ion: 82 Resp: 2150

Ion Ratio Lower Upper

82 100

128 160.8 102.4 153.6#

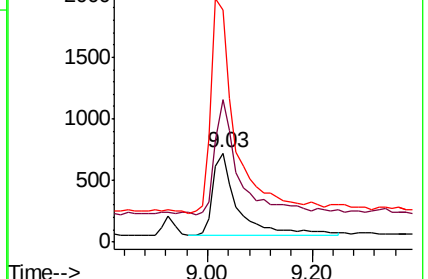
54 261.7 221.8 332.8

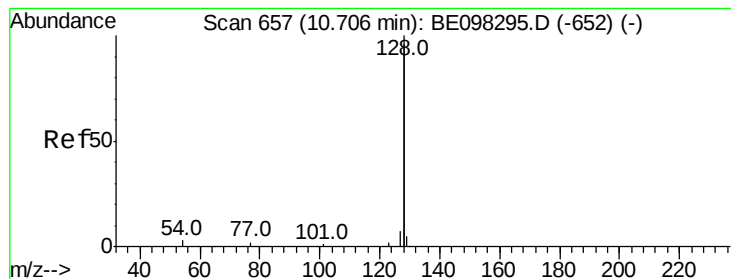


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.401 ng

RT: 10.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: BE098299.D

Acq: 10 Dec 2018 15:32

Instrument :

BNA_E

ClientSampleId :

ICVBE121018

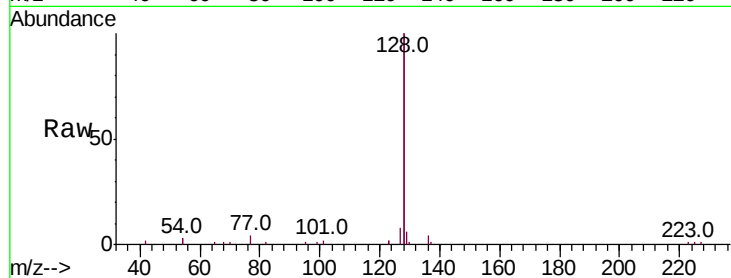
Tot Ion:128 Resp: 25163

Ion Ratio Lower Upper

128 100

129 3.0 2.5 3.7

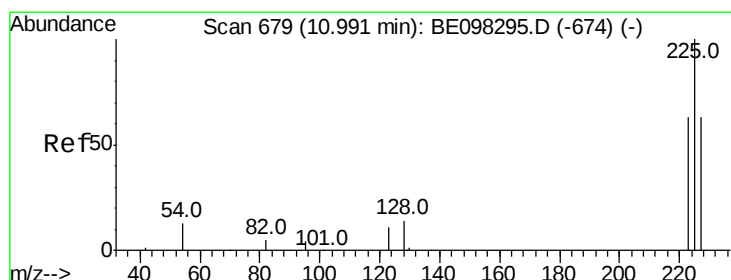
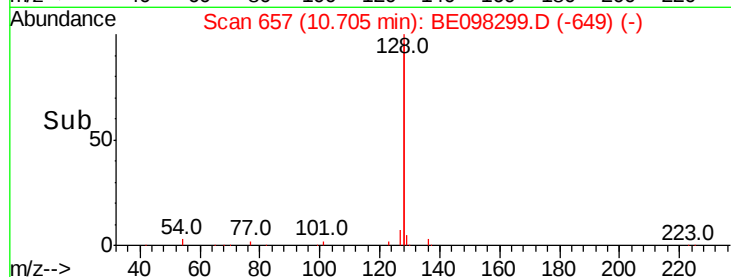
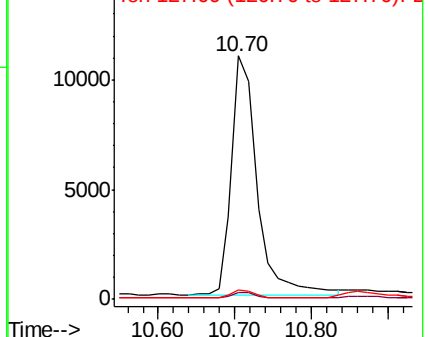
127 3.9 2.7 4.1



Abundance Ion 128.00 (127.70 to 128.70): E

15000 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: BE098299.D

Acq: 10 Dec 2018 15:32

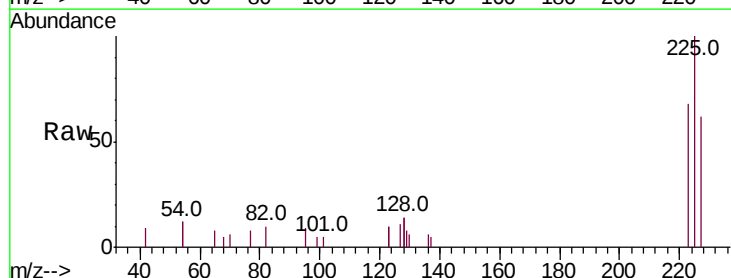
Tgt Ion:225 Resp: 1651

Ion Ratio Lower Upper

225 100

223 61.5 49.4 74.0

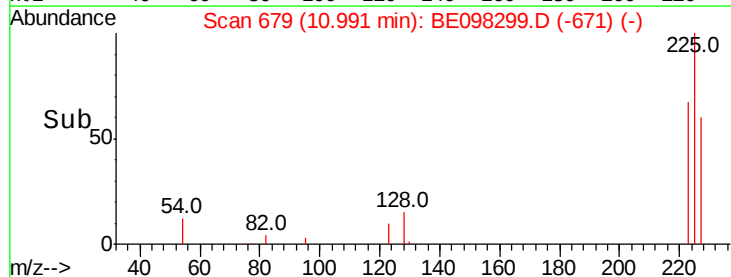
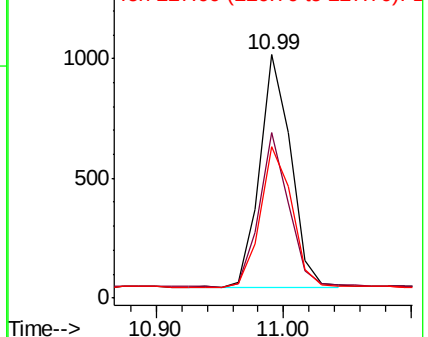
227 61.4 52.0 78.0

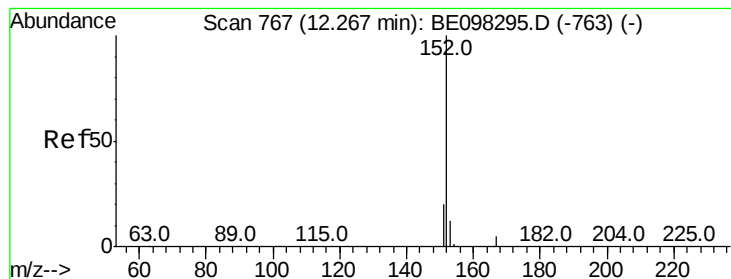


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.407 ng

RT: 12.27 min Scan# 767

Delta R.T. -0.00 min

Lab File: BE098299.D

Acq: 10 Dec 2018 15:32

Instrument :

BNA_E

ClientSampleId :

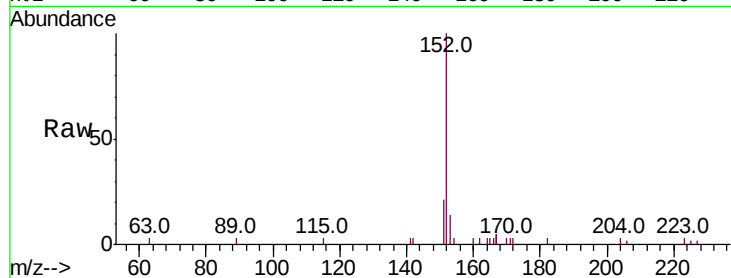
ICVBE121018

Tot Ion:152 Resp: 4125

Ion Ratio Lower Upper

152 100

151 18.6 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

2000

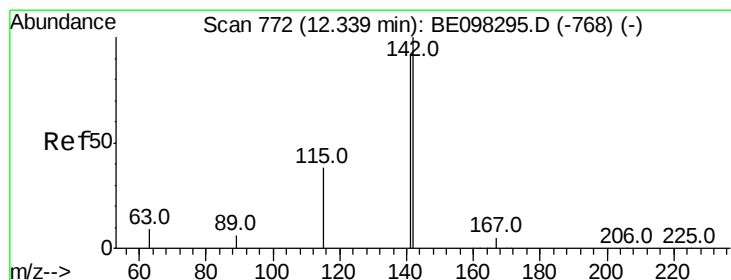
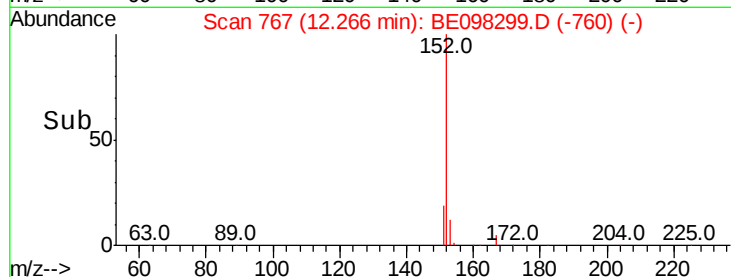
1500

1000

500

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.398 ng

RT: 12.34 min Scan# 772

Delta R.T. -0.00 min

Lab File: BE098299.D

Acq: 10 Dec 2018 15:32

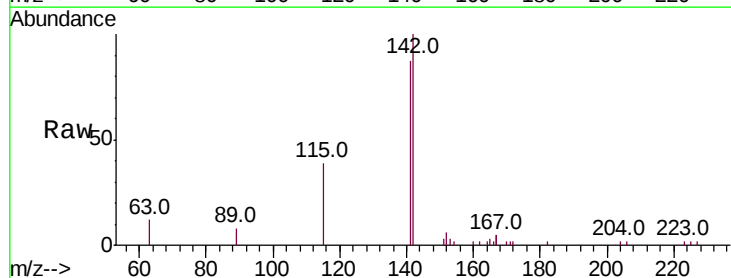
Tgt Ion:142 Resp: 4059

Ion Ratio Lower Upper

142 100

141 87.0 71.0 106.6

115 38.8 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

2500

2000

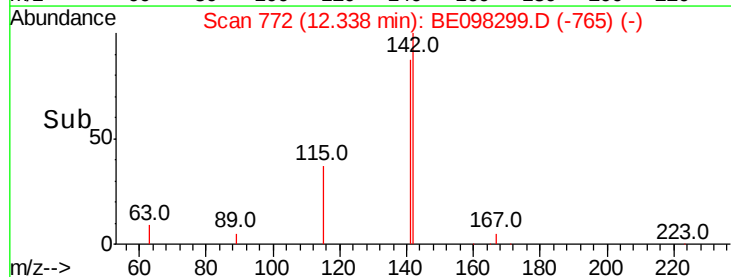
1500

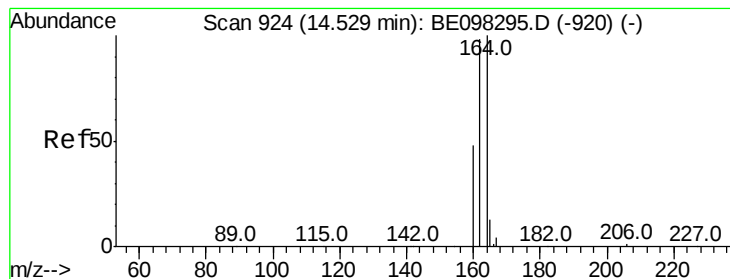
1000

500

0

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.53 min Scan# 924

Delta R.T. -0.00 min

Lab File: BE098299.D

Acq: 10 Dec 2018 15:32

Instrument :

BNA_E

ClientSampleId :

ICVBE121018

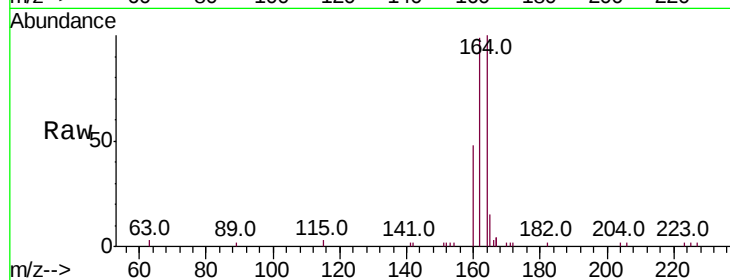
Tot Ion:164 Resp: 4141

Ion Ratio Lower Upper

164 100

162 98.7 77.6 116.4

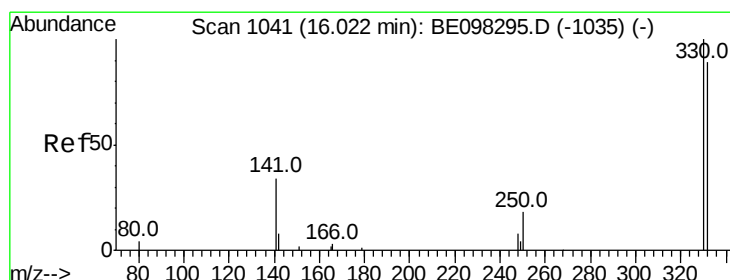
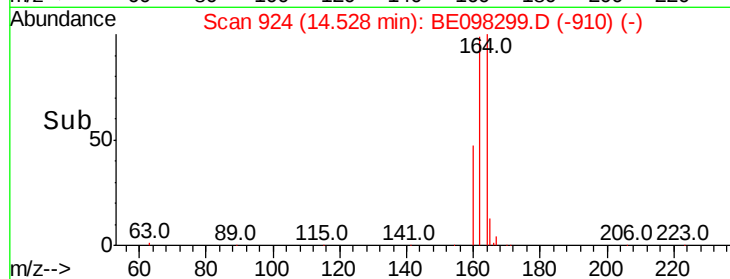
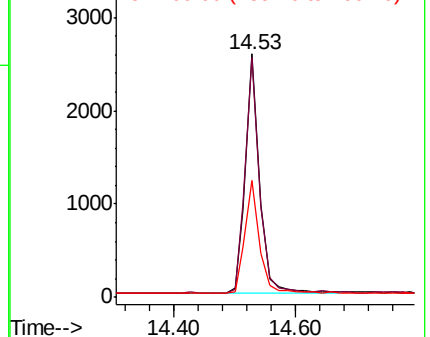
160 48.0 36.0 54.0



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: 0.385 ng

RT: 16.02 min Scan# 1041

Delta R.T. -0.00 min

Lab File: BE098299.D

Acq: 10 Dec 2018 15:32

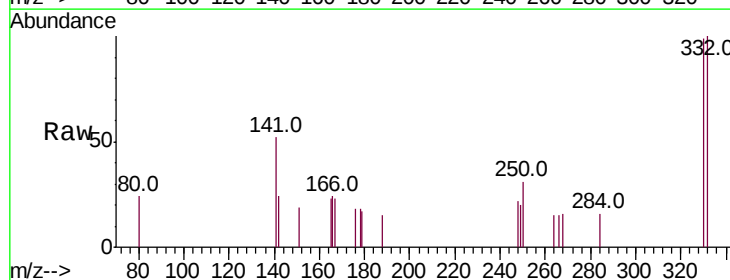
Tgt Ion:330 Resp: 585

Ion Ratio Lower Upper

330 100

332 99.7 76.2 114.4

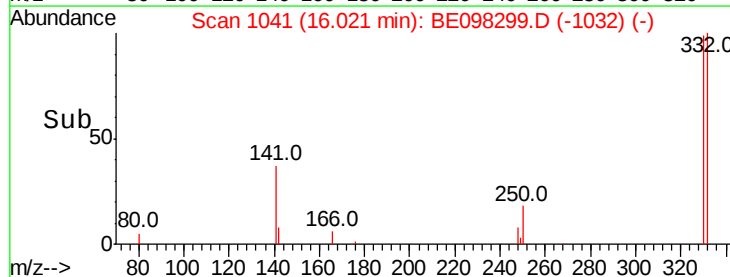
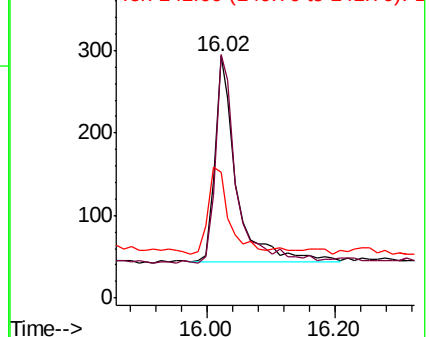
141 41.7 39.0 58.4

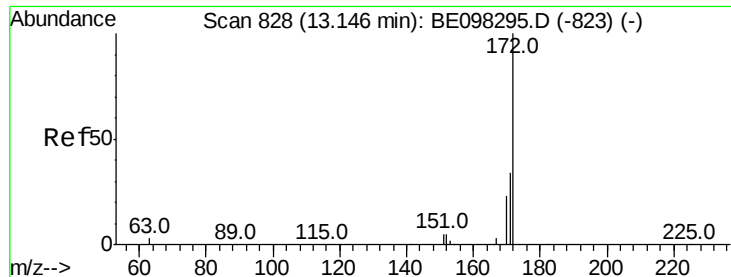


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

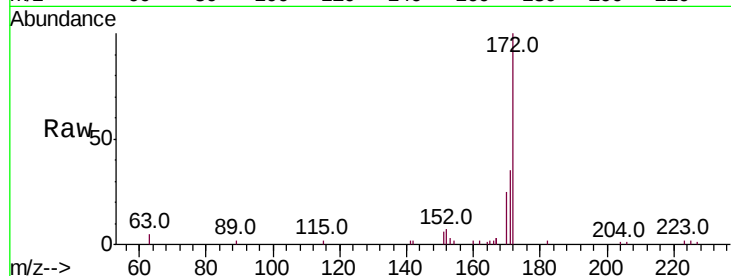




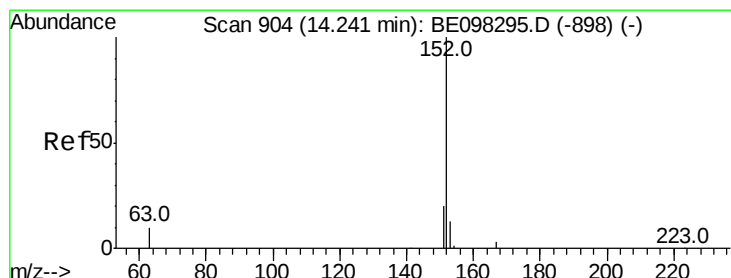
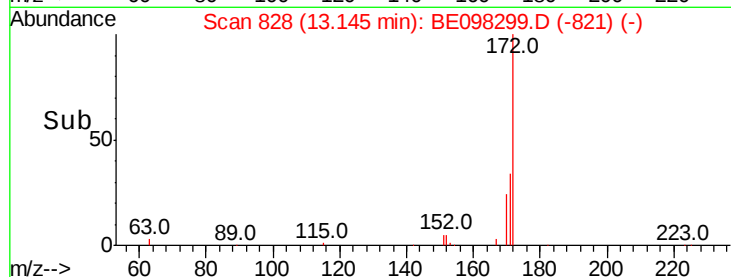
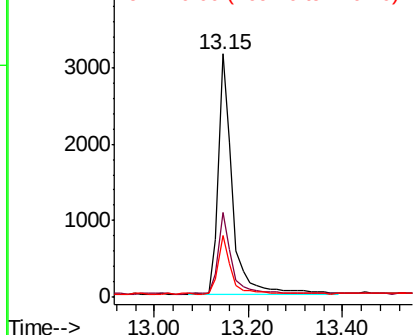
#15
2-Fluorobiphenyl
Concen: 0.367 ng
RT: 13.15 min Scan# 828
Delta R.T. -0.00 min
Lab File: BE098299.D
Acq: 10 Dec 2018 15:32

Instrument :
BNA_E
ClientSampleId :
ICVBE121018

Tot Ion:172 Resp: 6405
Ion Ratio Lower Upper
172 100
171 35.0 27.5 41.3
170 25.3 19.6 29.4

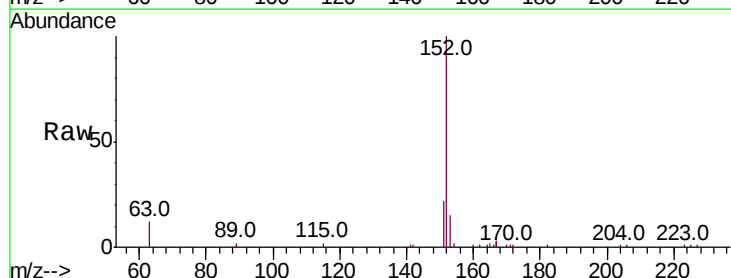


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

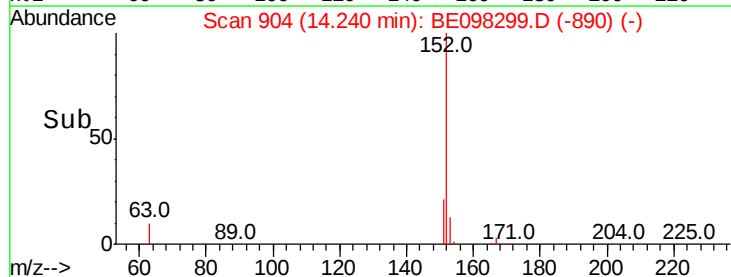
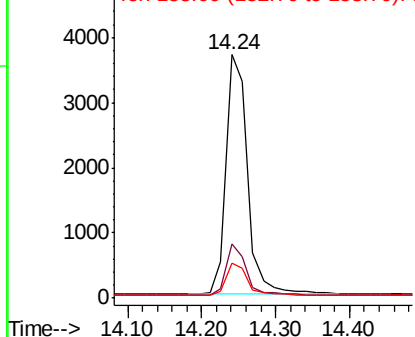


#16
Acenaphthylene
Concen: 0.386 ng
RT: 14.24 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE098299.D
Acq: 10 Dec 2018 15:32

Tgt Ion:152 Resp: 7482
Ion Ratio Lower Upper
152 100
151 19.8 15.5 23.3
153 13.2 10.6 16.0



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

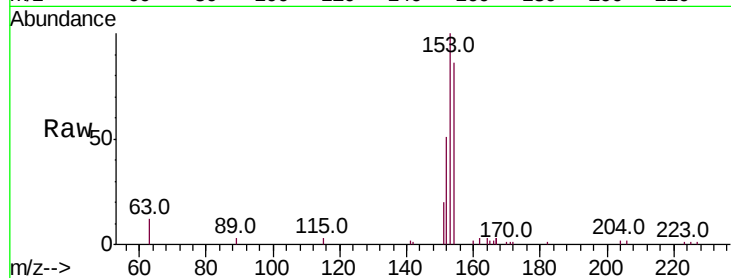




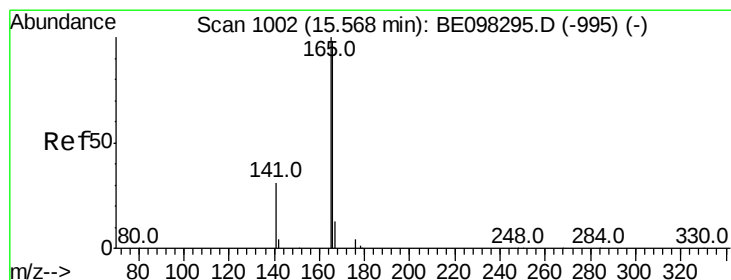
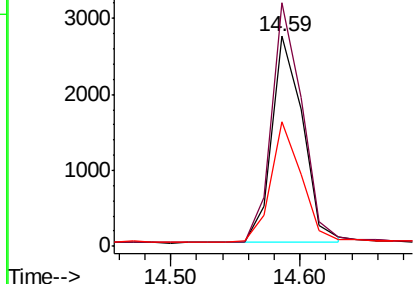
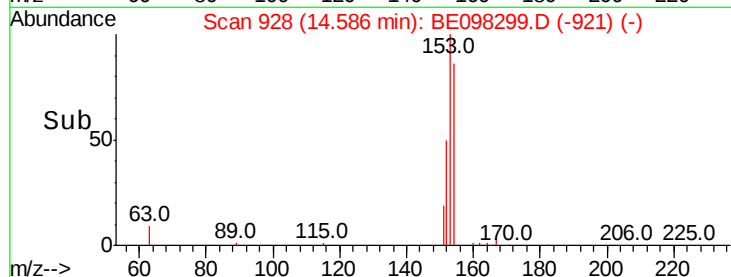
#17
Acenaphthene
Concen: 0.391 ng
RT: 14.59 min Scan# 928
Delta R.T. -0.00 min
Lab File: BE098299.D
Acq: 10 Dec 2018 15:32

Instrument :
BNA_E
ClientSampleId :
ICVBE121018

Tot Ion:154 Resp: 4560
Ion Ratio Lower Upper
154 100
153 114.4 91.8 137.6
152 57.5 45.5 68.3

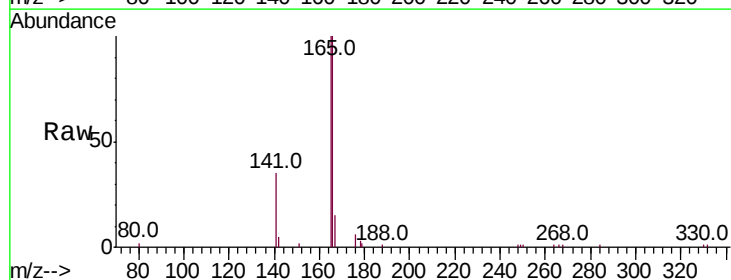


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

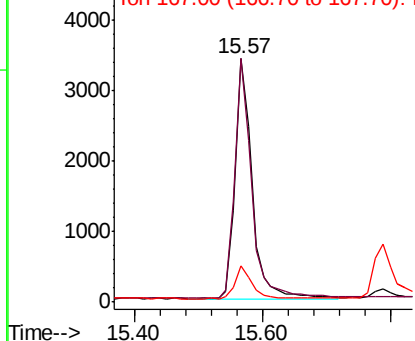
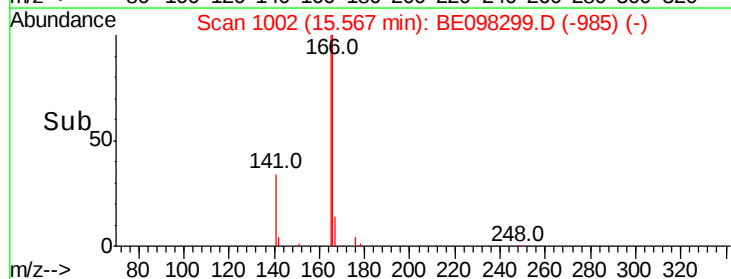


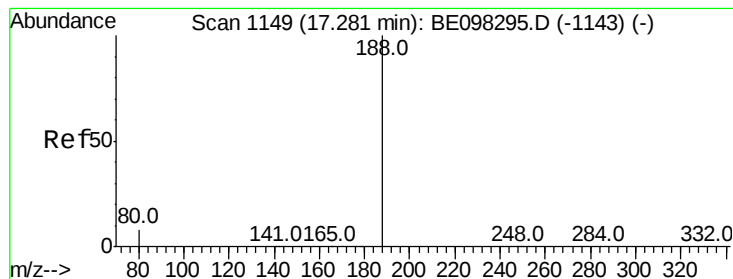
#18
Fluorene
Concen: 0.399 ng
RT: 15.57 min Scan# 1002
Delta R.T. -0.00 min
Lab File: BE098299.D
Acq: 10 Dec 2018 15:32

Tgt Ion:166 Resp: 6215
Ion Ratio Lower Upper
166 100
165 98.7 79.3 118.9
167 14.1 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: BE098299.D

Acq: 10 Dec 2018 15:32

Instrument :

BNA_E

ClientSampleId :

ICVBE121018

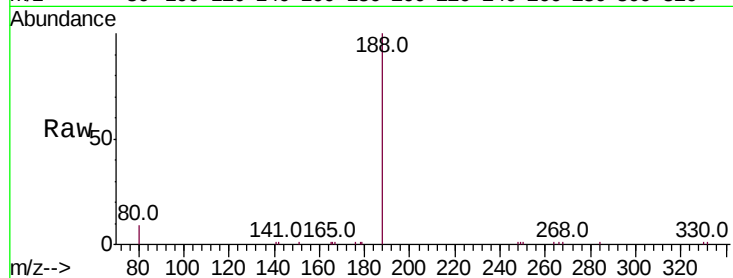
Tot Ion:188 Resp: 11893

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

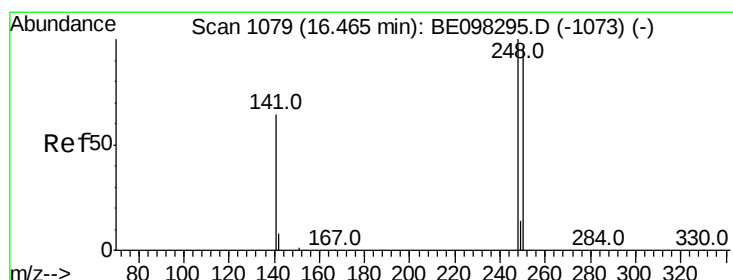
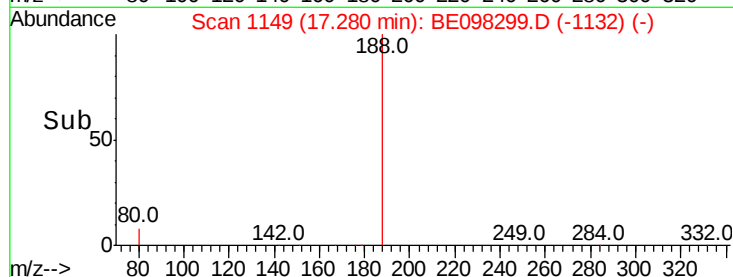
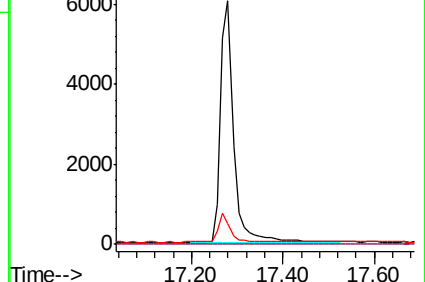
80 8.6 7.2 10.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.379 ng

RT: 16.46 min Scan# 1079

Delta R.T. -0.00 min

Lab File: BE098299.D

Acq: 10 Dec 2018 15:32

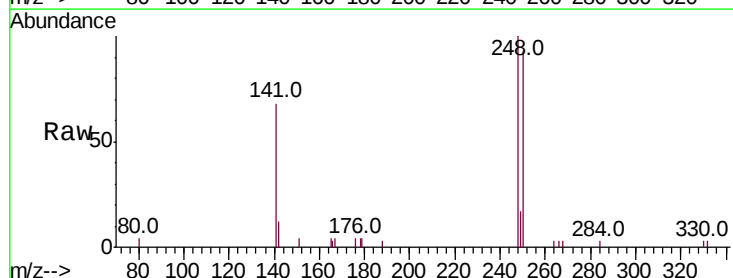
Tgt Ion:248 Resp: 2424

Ion Ratio Lower Upper

248 100

250 92.7 71.0 106.6

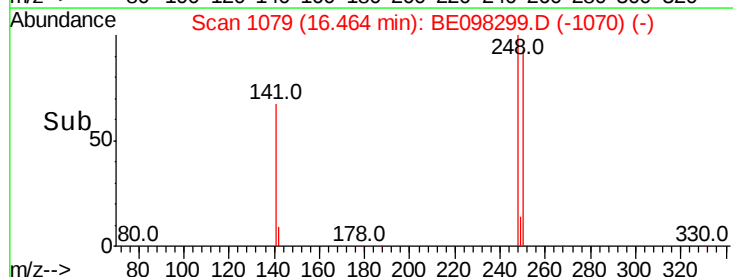
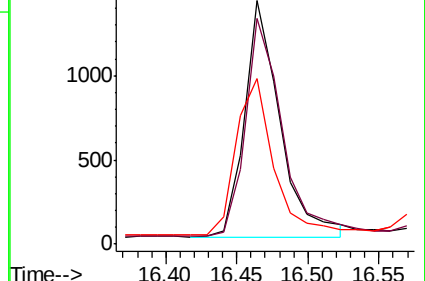
141 68.2 62.1 93.1



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: 0.385 ng

RT: 16.58 min Scan# 1089

Delta R.T. -0.00 min

Lab File: BE098299.D

Acq: 10 Dec 2018 15:32

Instrument :

BNA_E

ClientSampleId :

ICVBE121018

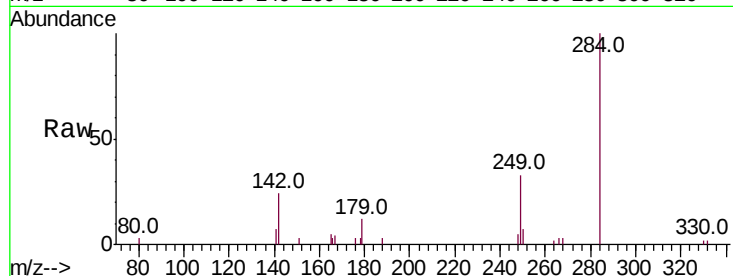
Tot Ion:284 Resp: 2648

Ion Ratio Lower Upper

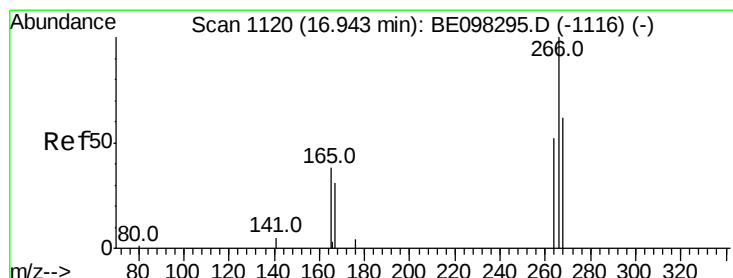
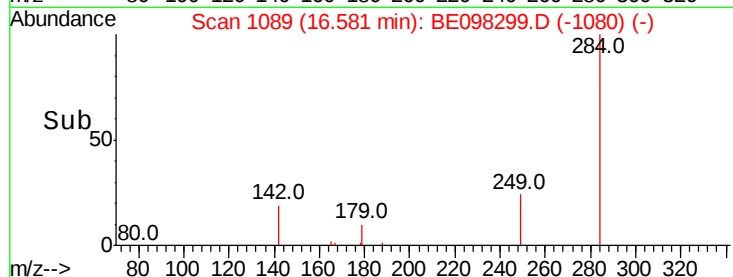
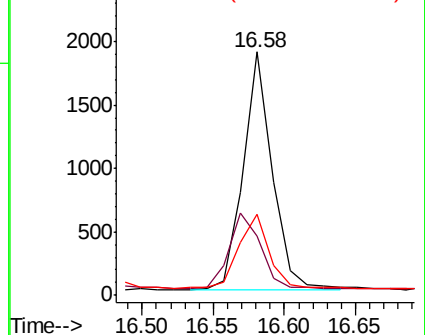
284 100

142 34.5 26.3 39.5

249 33.0 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: 0.352 ng

RT: 16.94 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE098299.D

Acq: 10 Dec 2018 15:32

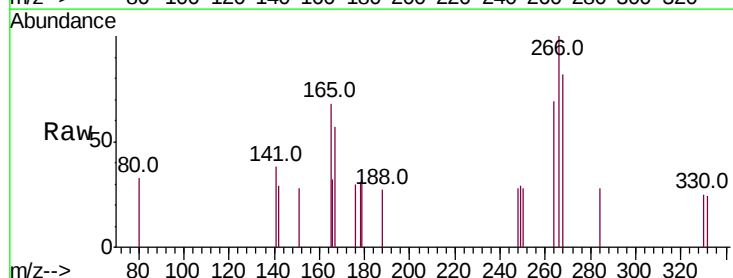
Tgt Ion:266 Resp: 382

Ion Ratio Lower Upper

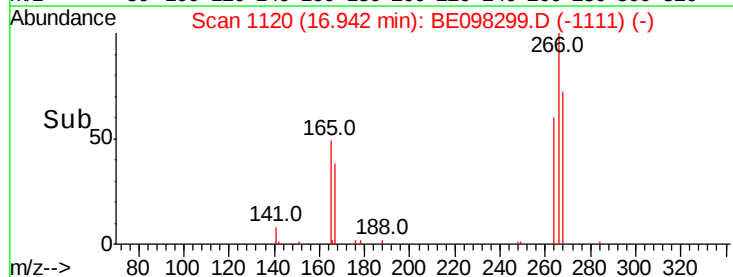
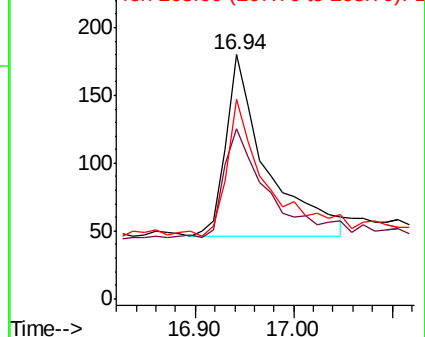
266 100

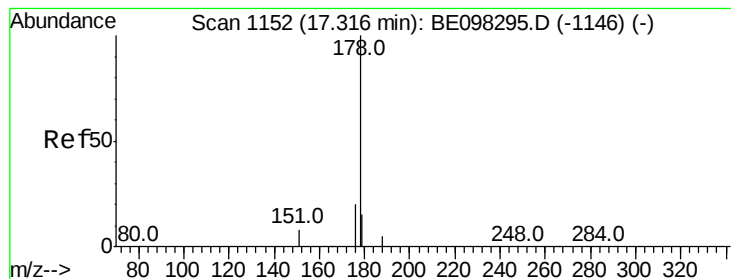
264 69.4 59.0 88.4

268 81.7 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: 0.398 ng

RT: 17.32 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BE098299.D

Acq: 10 Dec 2018 15:32

Instrument :

BNA_E

ClientSampleId :

ICVBE121018

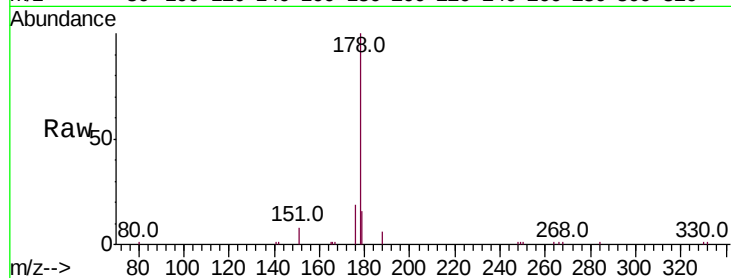
Tot Ion:178 Resp: 11503

Ion Ratio Lower Upper

178 100

176 19.0 15.9 23.9

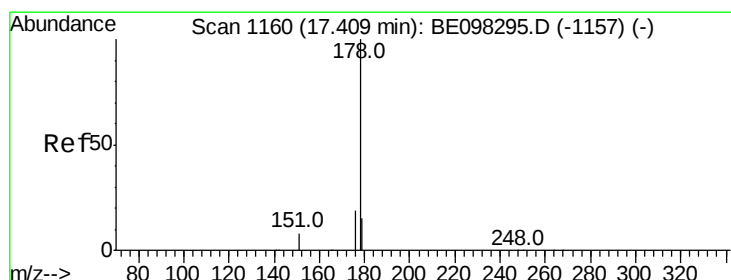
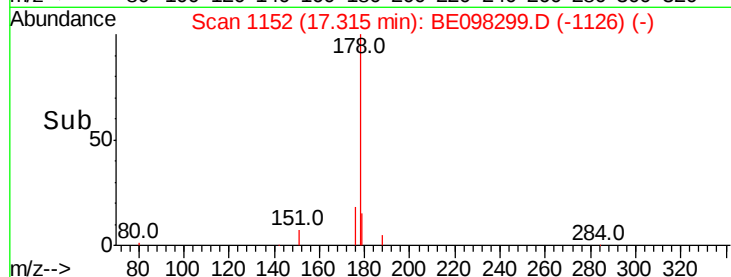
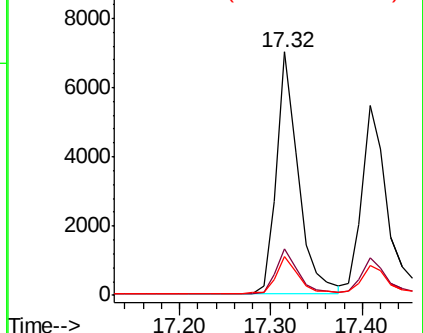
179 15.8 12.3 18.5



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: 0.381 ng

RT: 17.41 min Scan# 1160

Delta R.T. -0.00 min

Lab File: BE098299.D

Acq: 10 Dec 2018 15:32

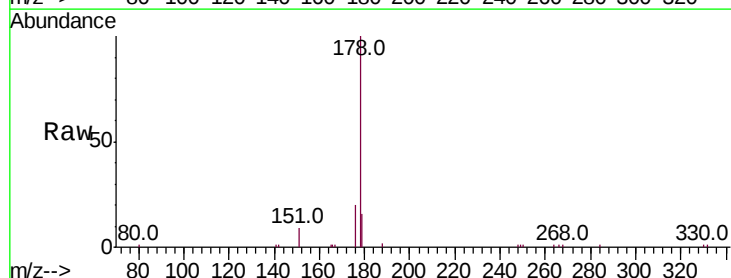
Tgt Ion:178 Resp: 9824

Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.4

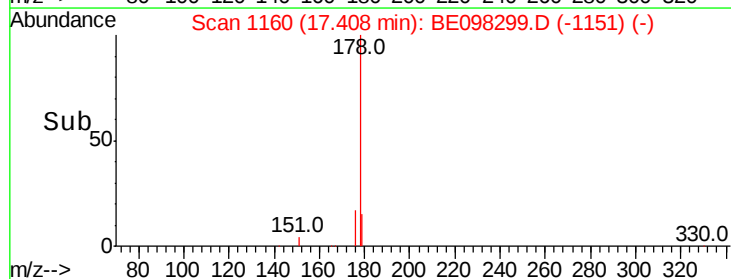
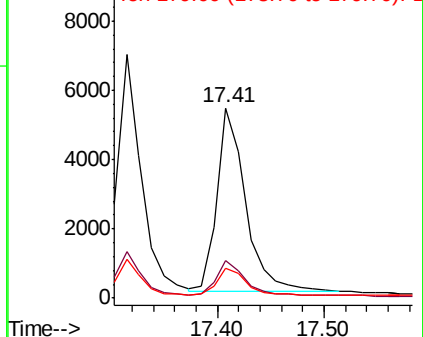
179 15.3 12.3 18.5

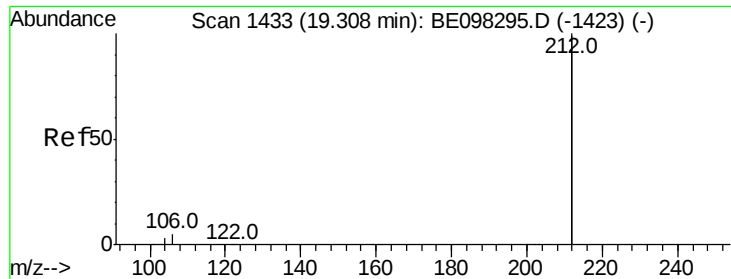


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.424 ng

RT: 19.31 min Scan# 1433

Delta R.T. 0.00 min

Lab File: BE098299.D

Acq: 10 Dec 2018 15:32

Instrument :

BNA_E

ClientSampleId :

ICVBE121018

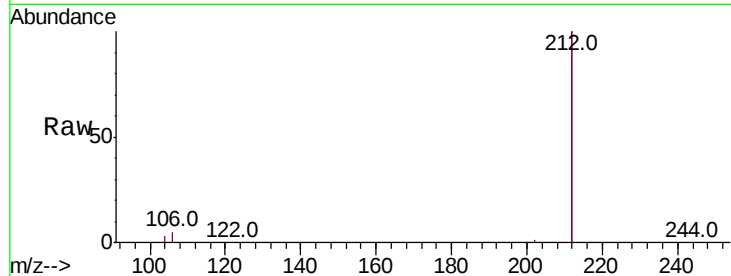
Tot Ion:212 Resp: 64763

Ion Ratio Lower Upper

212 100

106 2.7 2.2 3.2

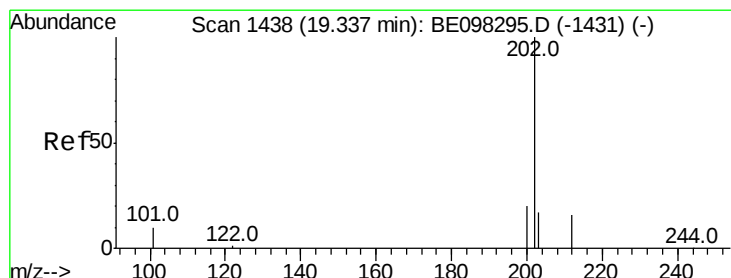
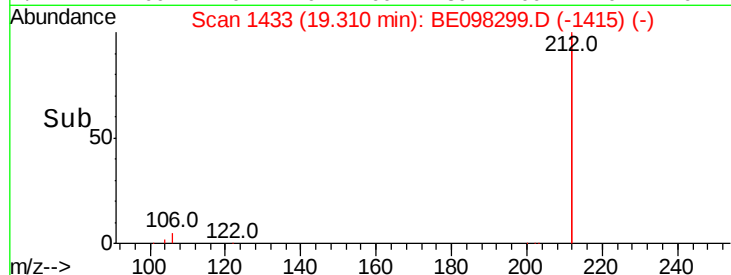
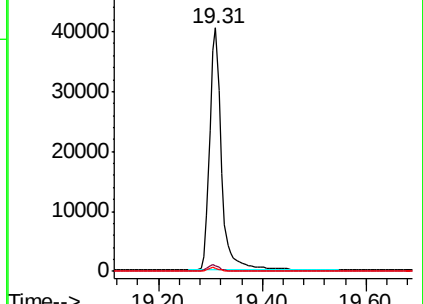
104 1.5 1.3 1.9



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.422 ng

RT: 19.34 min Scan# 1438

Delta R.T. 0.00 min

Lab File: BE098299.D

Acq: 10 Dec 2018 15:32

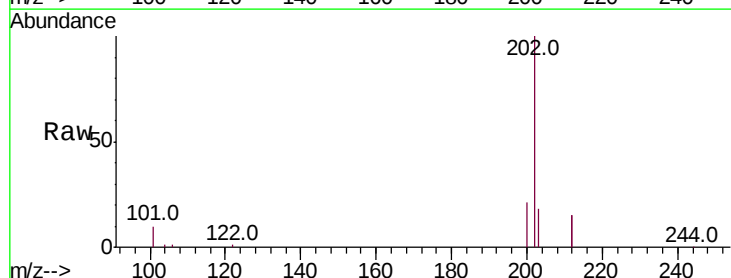
Tgt Ion:202 Resp: 16123

Ion Ratio Lower Upper

202 100

101 9.8 8.0 12.0

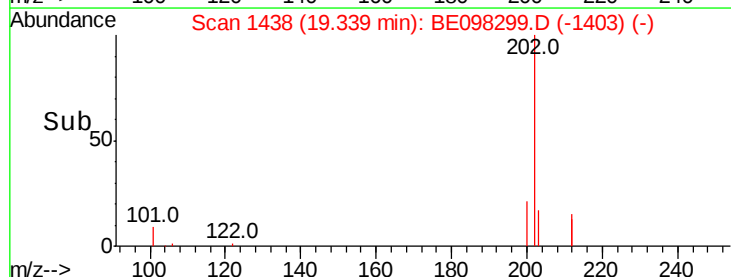
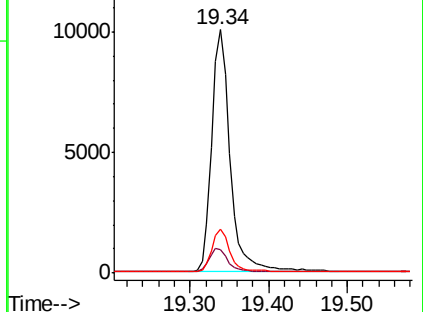
203 16.6 13.8 20.6



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: BE098299.D

Acq: 10 Dec 2018 15:32

Instrument :

BNA_E

ClientSampleId :

ICVBE121018

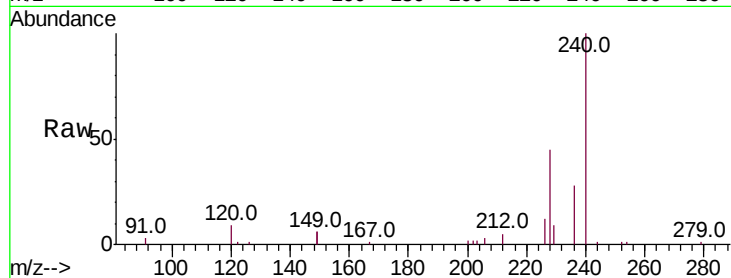
Tot Ion:240 Resp: 12847

Ion Ratio Lower Upper

240 100

120 8.6 9.5 14.3#

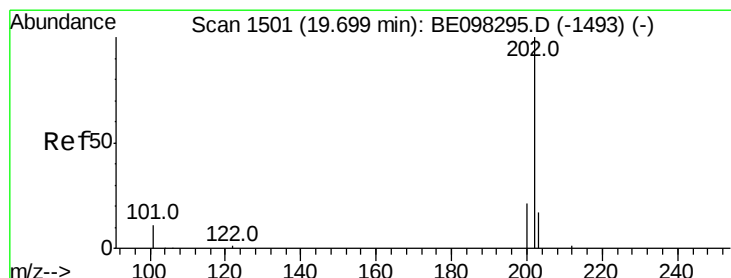
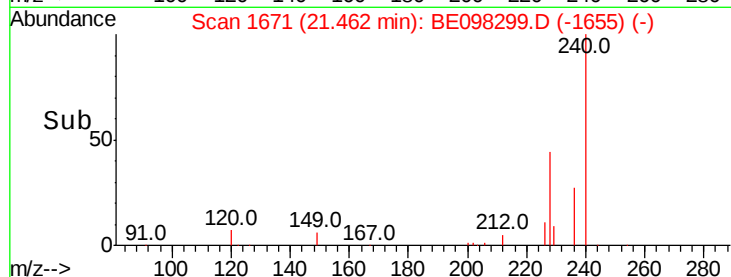
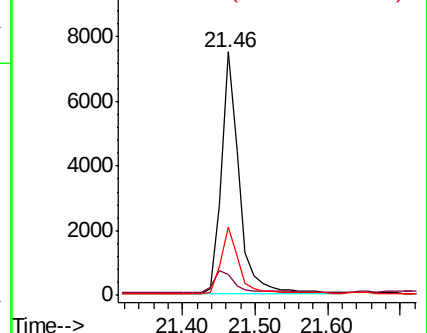
236 28.1 22.7 34.1



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: 0.407 ng

RT: 19.70 min Scan# 1501

Delta R.T. 0.00 min

Lab File: BE098299.D

Acq: 10 Dec 2018 15:32

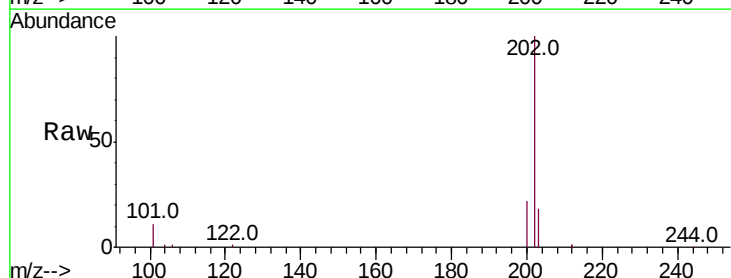
Tgt Ion:202 Resp: 16410

Ion Ratio Lower Upper

202 100

200 21.1 16.7 25.1

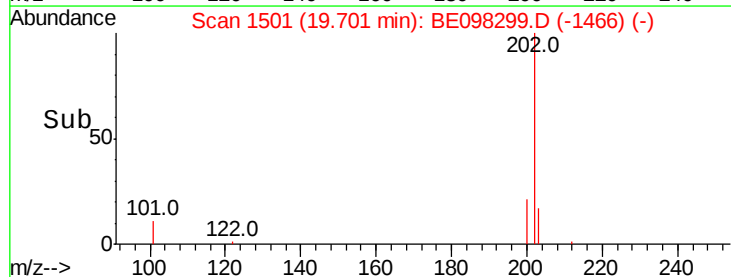
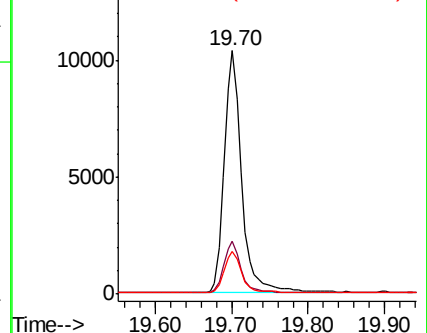
203 17.3 14.1 21.1



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: 0.396 ng

RT: 19.91 min Scan# 1537

Delta R.T. 0.00 min

Lab File: BE098299.D

Acq: 10 Dec 2018 15:32

Instrument :

BNA_E

ClientSampleId :

ICVBE121018

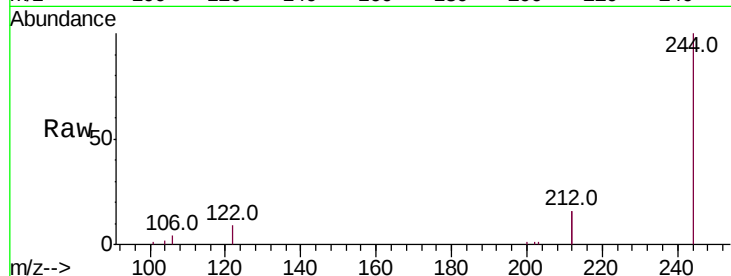
Tot Ion:244 Resp: 12371

Ion Ratio Lower Upper

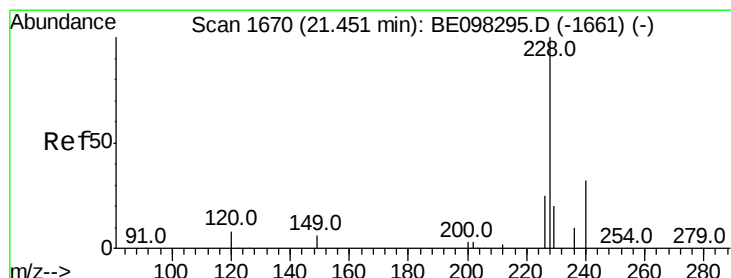
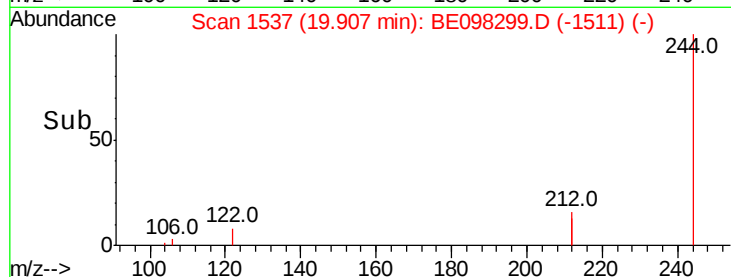
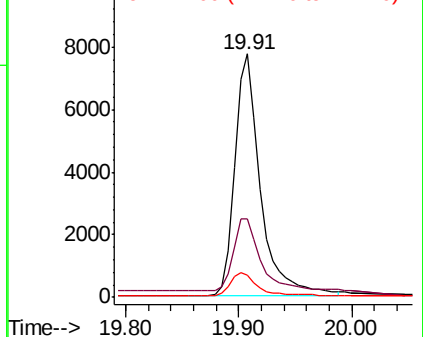
244 100

212 32.2 27.4 41.0

122 9.1 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: 0.385 ng

RT: 21.45 min Scan# 1670

Delta R.T. -0.00 min

Lab File: BE098299.D

Acq: 10 Dec 2018 15:32

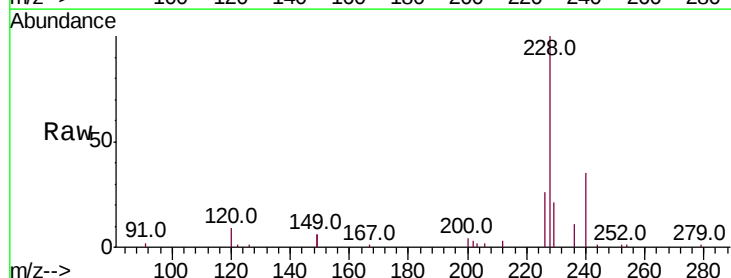
Tgt Ion:228 Resp: 14077

Ion Ratio Lower Upper

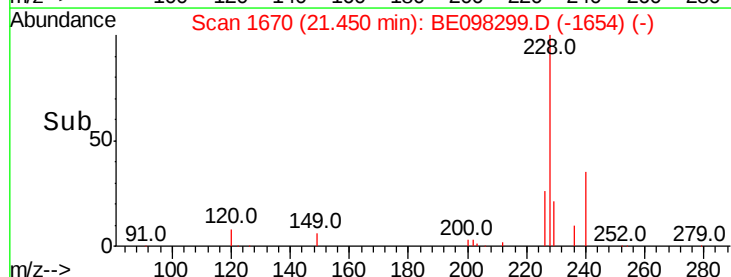
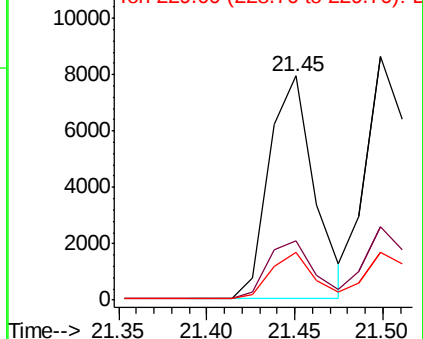
228 100

226 26.3 21.8 32.8

229 21.2 16.3 24.5



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





#31

Chrysene

Concen: 0.398 ng

RT: 21.50 min Scan# 1674

Delta R.T. -0.00 min

Lab File: BE098299.D

Acq: 10 Dec 2018 15:32

Instrument :

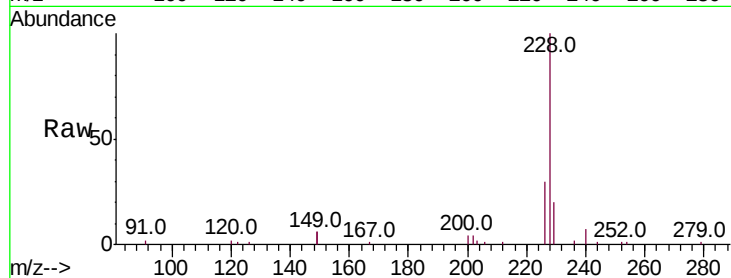
BNA_E

ClientSampleId :

ICVBE121018

Tot Ion:228 Resp: 15266

Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.4	35.0
229	19.6	16.2	24.4

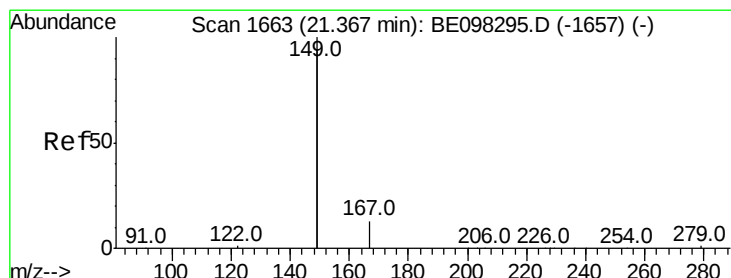
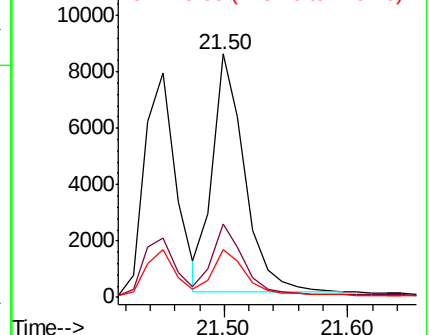
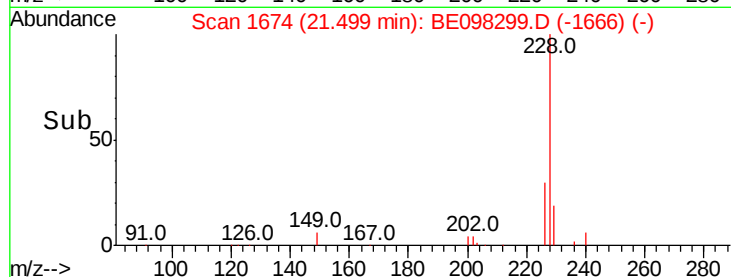


Abundance

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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.393 ng

RT: 21.37 min Scan# 1663

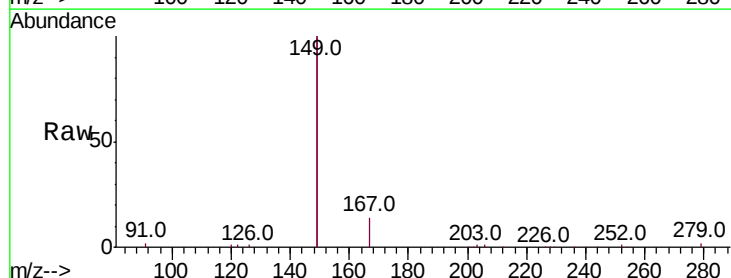
Delta R.T. -0.00 min

Lab File: BE098299.D

Acq: 10 Dec 2018 15:32

Tgt Ion:149 Resp: 29233

Ion	Ratio	Lower	Upper
149	100		
167	6.9	5.7	8.5
279	1.1	1.0	1.4

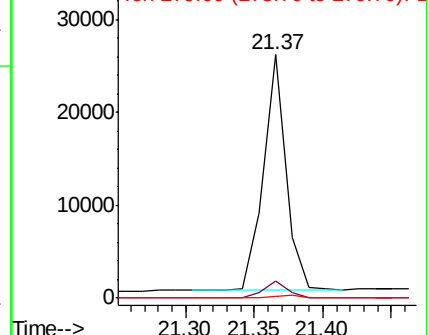
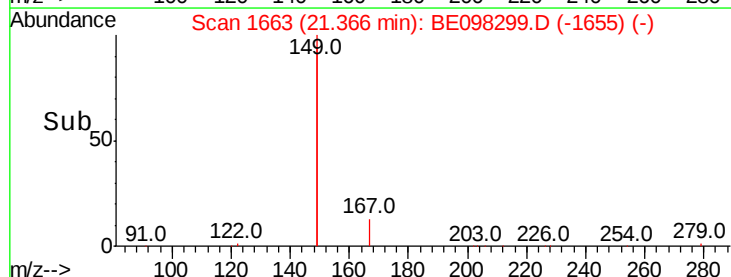


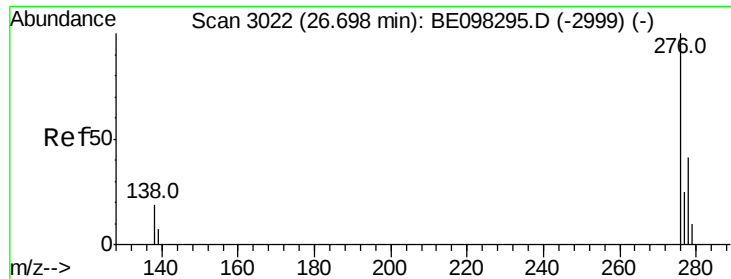
Abundance

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: 0.384 ng

RT: 26.70 min Scan# 3022

Delta R.T. 0.00 min

Lab File: BE098299.D

Acq: 10 Dec 2018 15:32

Instrument :

BNA_E

ClientSampleId :

ICVBE121018

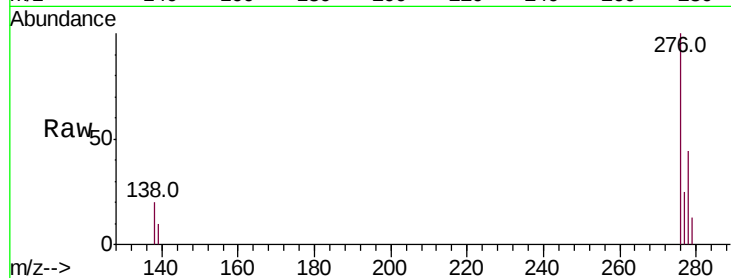
Tot Ion:276 Resp: 14660

Ion Ratio Lower Upper

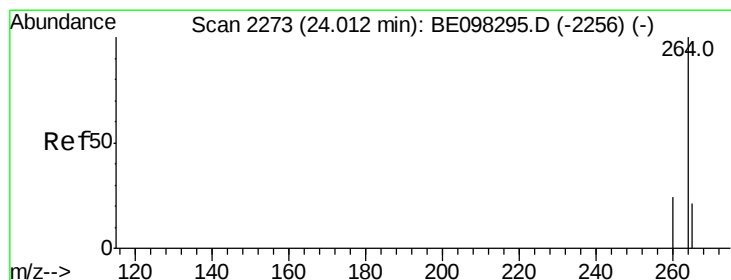
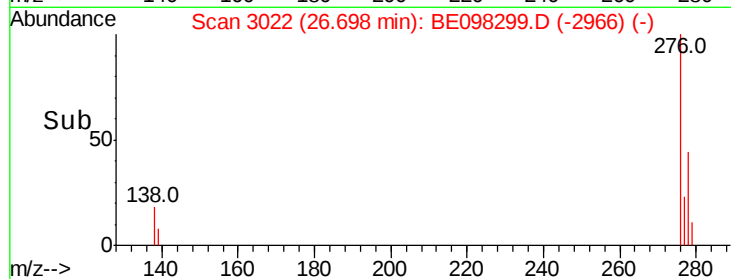
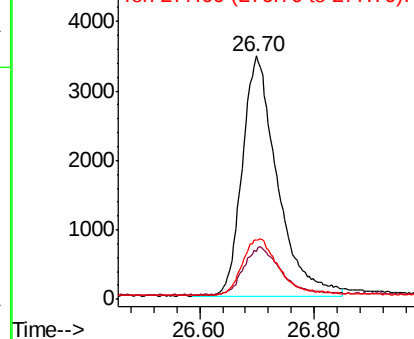
276 100

138 20.3 16.3 24.5

277 24.4 20.2 30.4



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.01 min Scan# 2273

Delta R.T. -0.00 min

Lab File: BE098299.D

Acq: 10 Dec 2018 15:32

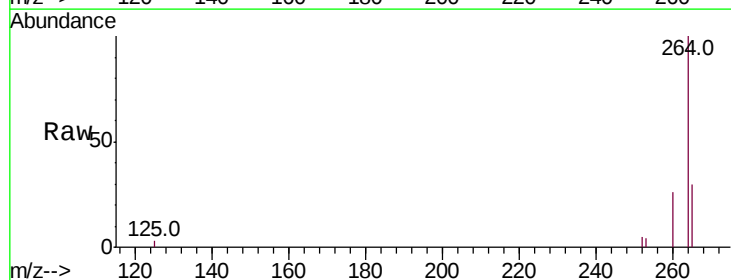
Tgt Ion:264 Resp: 11774

Ion Ratio Lower Upper

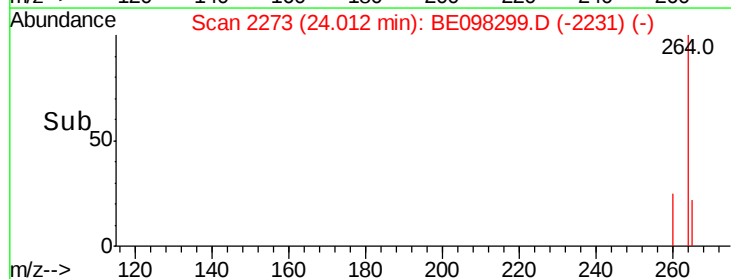
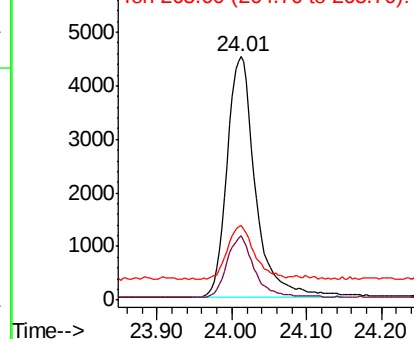
264 100

260 26.3 20.2 30.2

265 30.5 25.2 37.8



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





#35

Benzo(b)fluoranthene

Concen: 0.386 ng

RT: 23.23 min Scan# 2053

Delta R.T. -0.00 min

Lab File: BE098299.D

Acq: 10 Dec 2018 15:32

Instrument :

BNA_E

ClientSampleId :

ICVBE121018

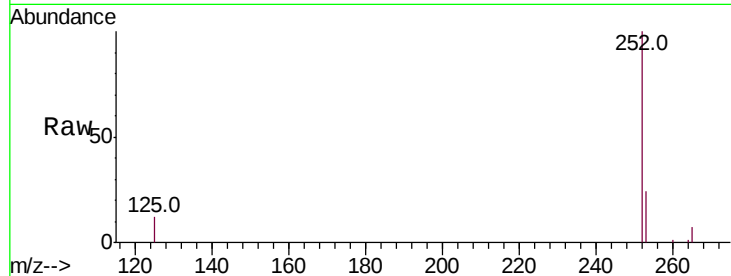
Tot Ion:252 Resp: 12417

Ion Ratio Lower Upper

252 100

253 24.4 20.0 30.0

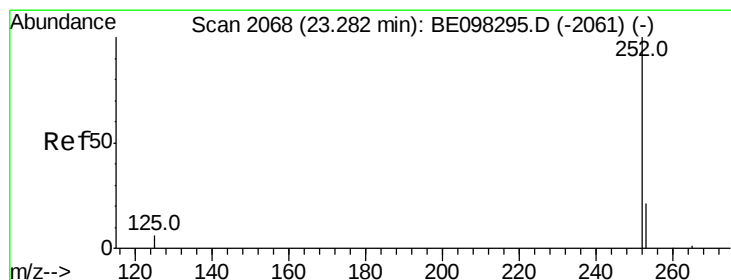
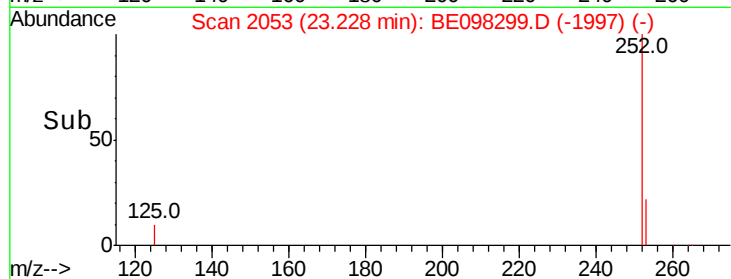
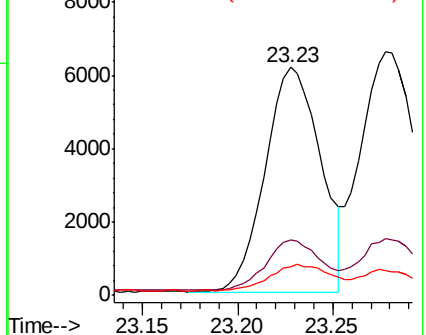
125 12.5 9.6 14.4



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: 0.386 ng

RT: 23.28 min Scan# 2067

Delta R.T. -0.00 min

Lab File: BE098299.D

Acq: 10 Dec 2018 15:32

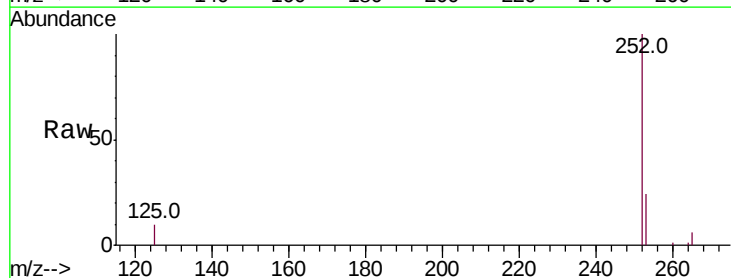
Tgt Ion:252 Resp: 14462

Ion Ratio Lower Upper

252 100

253 23.5 19.0 28.6

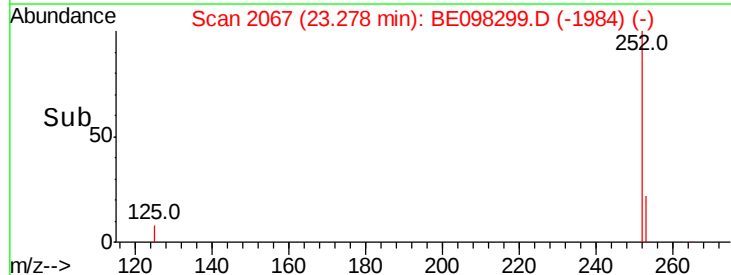
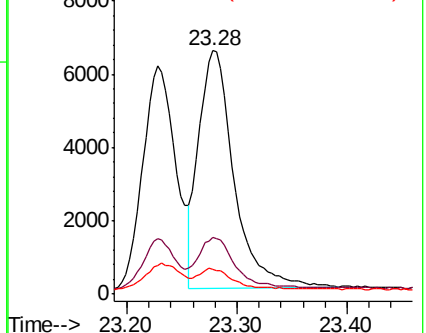
125 10.2 9.1 13.7



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

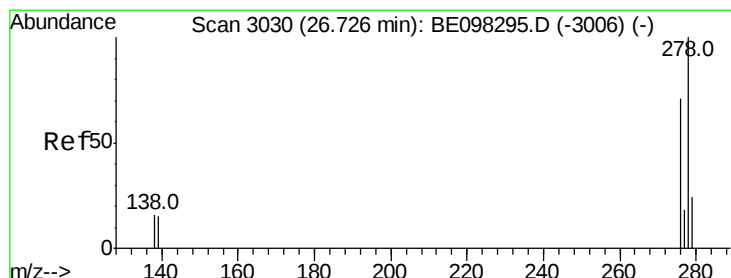
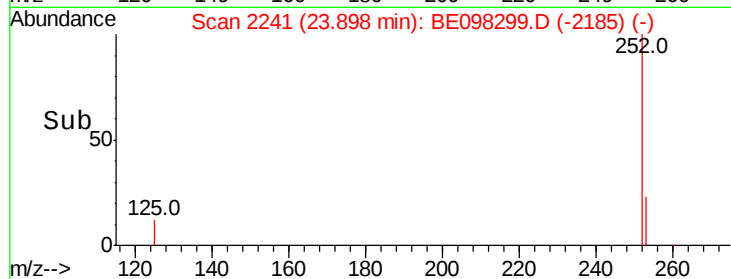
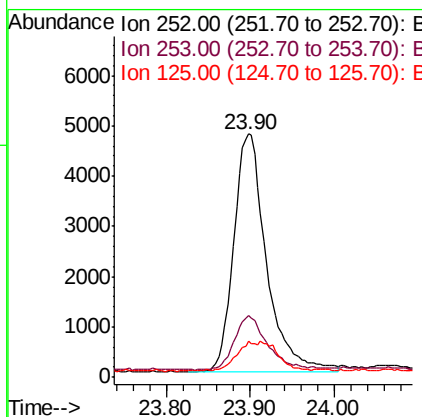
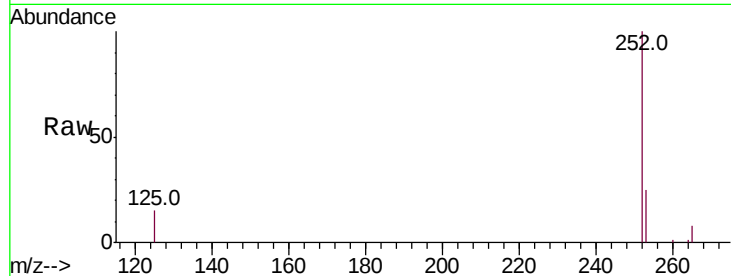




#37
Benzo(a)pyrene
Concen: 0.386 ng
RT: 23.90 min Scan# 2241
Delta R.T. -0.00 min
Lab File: BE098299.D
Acq: 10 Dec 2018 15:32

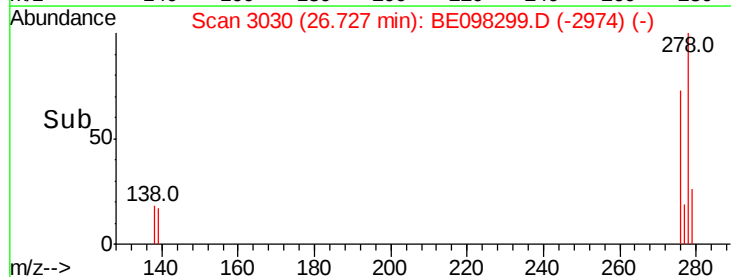
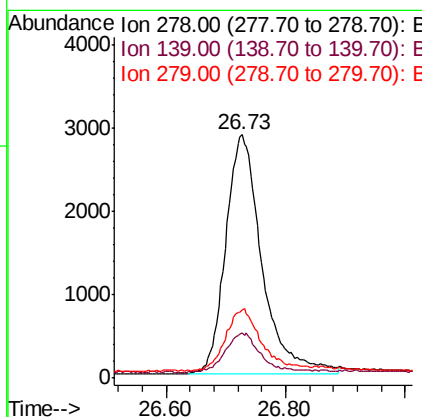
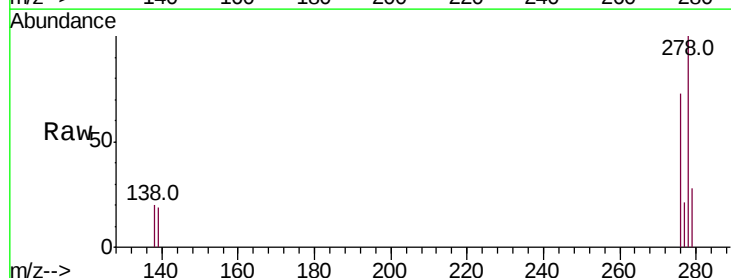
Instrument :
BNA_E
ClientSampleId :
ICVBE121018

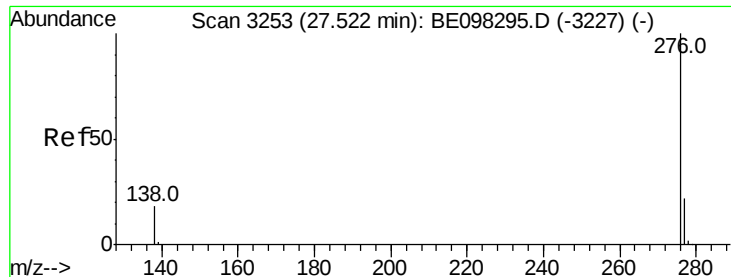
Tot Ion:252 Resp: 12809
Ion Ratio Lower Upper
252 100
253 25.4 20.6 30.8
125 14.9 10.5 15.7



#38
Dibenzo(a,h)anthracene
Concen: 0.384 ng
RT: 26.73 min Scan# 3030
Delta R.T. 0.00 min
Lab File: BE098299.D
Acq: 10 Dec 2018 15:32

Tgt Ion:278 Resp: 12007
Ion Ratio Lower Upper
278 100
139 18.5 14.5 21.7
279 28.0 21.8 32.8





#39

Benzo(a,h,i)perylene

Concen: 0.392 ng

RT: 27.52 min Scan# 3252

Delta R.T. -0.00 min

Lab File: BE098299.D

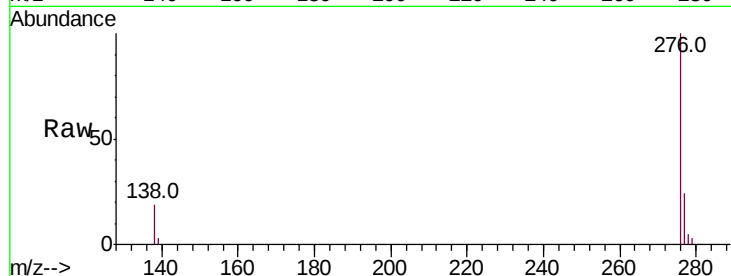
Acq: 10 Dec 2018 15:32

Instrument :

BNA_E

ClientSampleId :

ICVBE121018



Tot Ion:276 Resp: 12350

Ion Ratio Lower Upper

276 100

277 24.1 20.8 31.2

138 18.6 15.8 23.6

Abundance Ion 276.00 (275.70 to 276.70): E
 4000 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

