

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE100318\
 Data File : BE097712.D
 Acq On : 3 Oct 2018 12:51
 Operator : SJ/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE100318

Quant Time: Oct 03 14:24:55 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE100318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 03 12:17:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	5196	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	21033	0.40	ng	0.01
13) Acenaphthene-d10	14.56	164	12124	0.40	ng	0.00
19) Phenanthrene-d10	17.30	188	32786	0.40	ng	0.00
27) Chrysene-d12	21.49	240	41511	0.40	ng	0.00
34) Perylene-d12	24.05	264	37686	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.47	112	4607	0.37	ng	0.00
5) Phenol-d6	7.05	99	6832	0.36	ng	0.00
8) Nitrobenzene-d5	9.06	82	2956	0.43	ng	0.01
11) 2-Methylnaphthalene-d10	12.31	152	12871	0.38	ng	0.01
14) 2,4,6-Tribromophenol	16.04	330	792	0.36	ng	0.00
15) 2-Fluorobiphenyl	13.19	172	19644	0.37	ng	0.00
25) Fluoranthene-d10	19.34	212	151791	0.37	ng	0.00
29) Terphenyl-d14	19.94	244	32089	0.38	ng	0.00

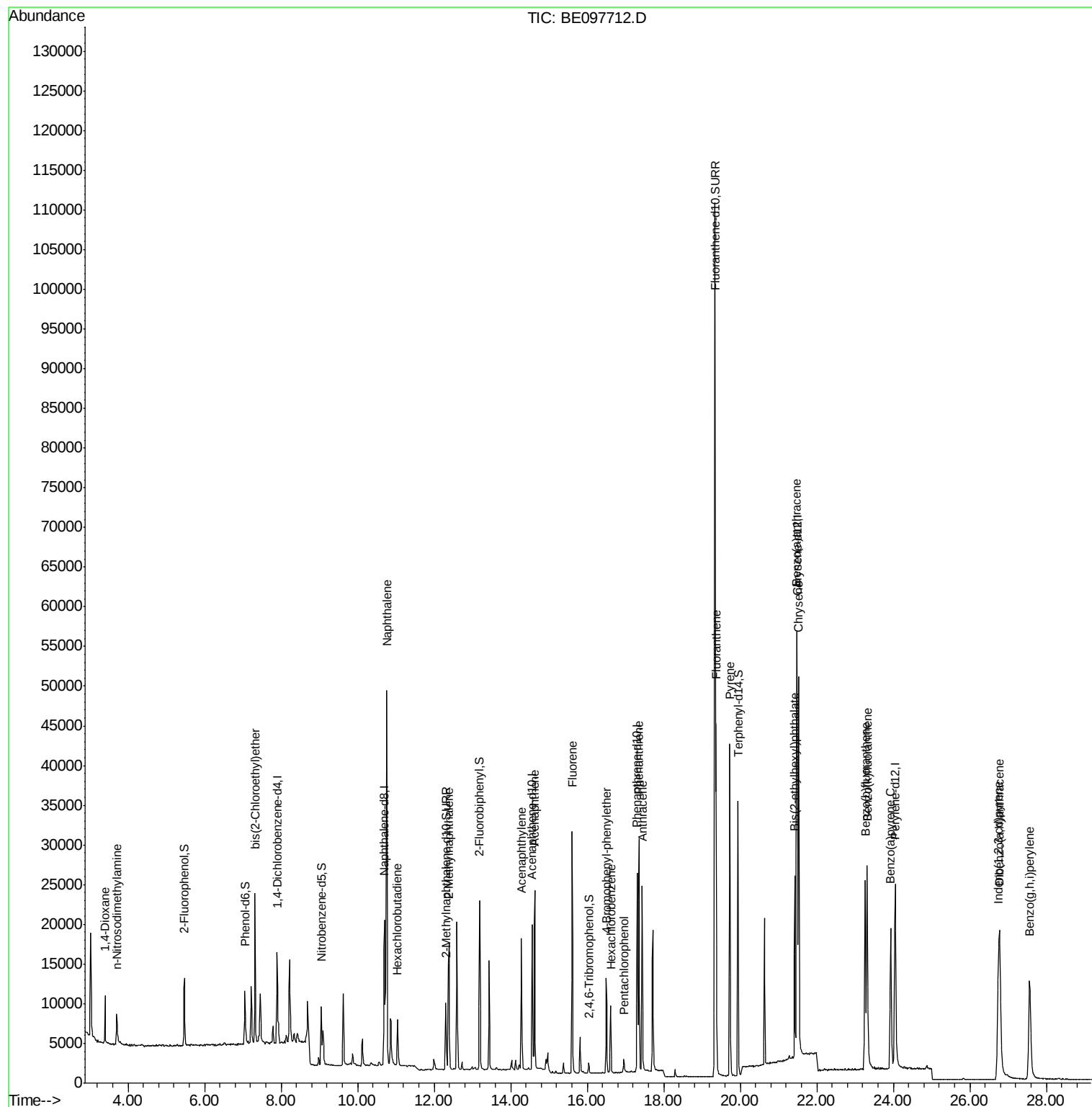
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.40	88	4002	0.387	ng	98
3) n-Nitrosodimethylamine	3.71	42	3250	0.345	ng	# 86
6) bis(2-Chloroethyl)ether	7.32	93	7301	0.375	ng	99
9) Naphthalene	10.76	128	82420	0.389	ng	99
10) Hexachlorobutadiene	11.04	225	4342	0.386	ng	99
12) 2-Methylnaphthalene	12.38	142	13292	0.392	ng	97
16) Acenaphthylene	14.28	152	19536	0.364	ng	98
17) Acenaphthene	14.63	154	12633	0.367	ng	98
18) Fluorene	15.60	166	16896	0.370	ng	99
20) 4-Bromophenyl-phenylether	16.50	248	6425	0.374	ng	# 87
21) Hexachlorobenzene	16.62	284	7583	0.392	ng	98
22) Pentachlorophenol	16.95	266	1137	0.375	ng	98
23) Phenanthrene	17.35	178	32542	0.385	ng	98
24) Anthracene	17.44	178	26914	0.369	ng	100
26) Fluoranthene	19.37	202	39835	0.370	ng	100
28) Pyrene	19.72	202	39902	0.378	ng	99
30) Benzo(a)anthracene	21.47	228	39720	0.356	ng	98
31) Chrysene	21.52	228	48366	0.388	ng	99
32) Bis(2-ethylhexyl)phthalate	21.43	149	28438	0.348	ng	99
33) Indeno(1,2,3-cd)pyrene	26.74	276	39008	0.360	ng	# 89
35) Benzo(b)fluoranthene	23.26	252	35839	0.347	ng	99
36) Benzo(k)fluoranthene	23.32	252	41891	0.365	ng	99
37) Benzo(a)pyrene	23.93	252	32378	0.346	ng	97
38) Dibenzo(a,h)anthracene	26.78	278	32412	0.351	ng	97
39) Benzo(g,h,i)perylene	27.56	276	35063	0.363	ng	99

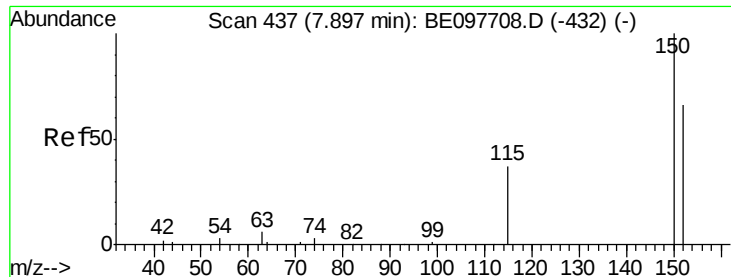
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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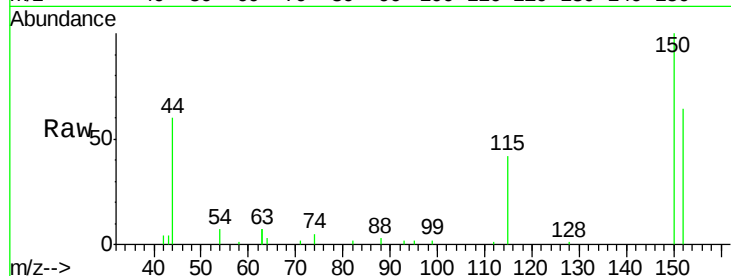


#1

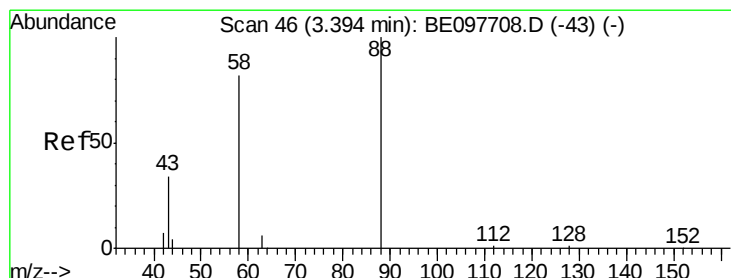
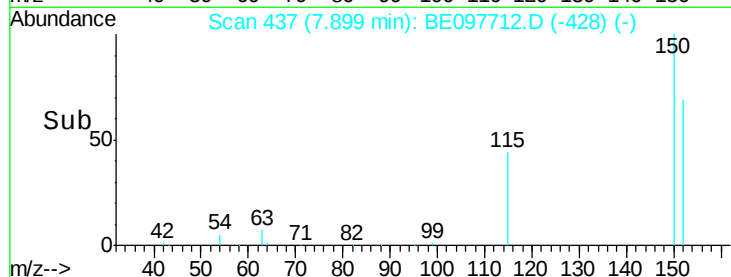
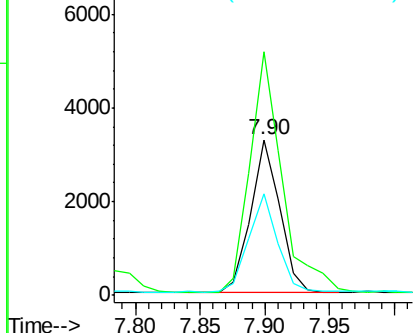
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.90 min Scan# 437
Delta R.T. 0.00 min
Lab File: BE097712.D
Acq: 3 Oct 2018 12:51

Instrument :
BNA_E
ClientSampleId :
ICVBE100318

Tgt Ion:152 Resp: 5196
Ion Ratio Lower Upper
152 100
150 156.2 120.9 181.3
115 64.9 46.6 69.8



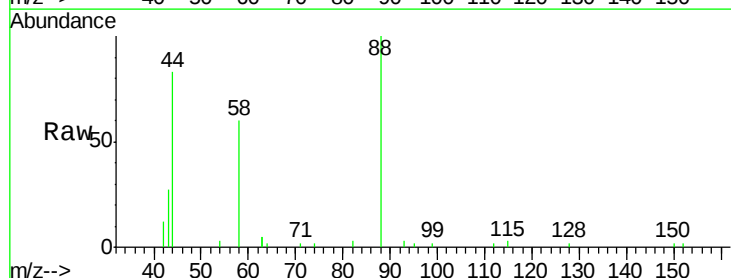
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



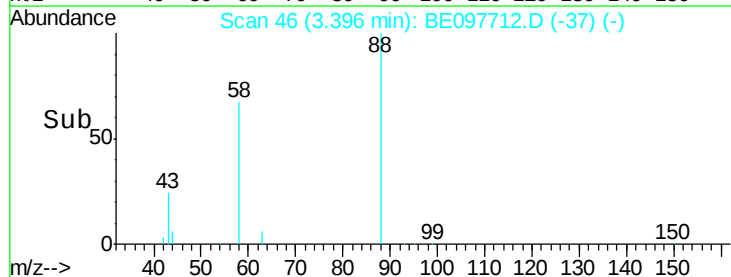
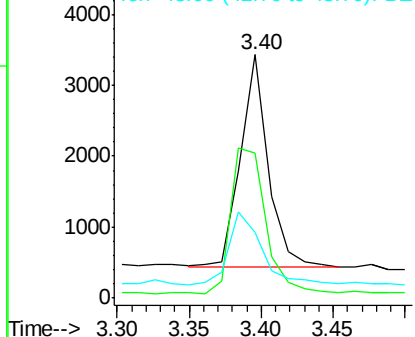
#2

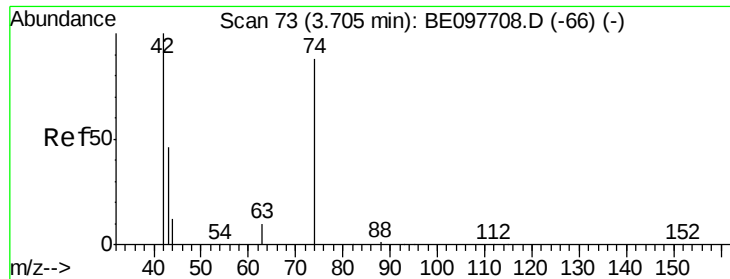
1,4-Dioxane
Concen: 0.387 ng
RT: 3.40 min Scan# 46
Delta R.T. 0.00 min
Lab File: BE097712.D
Acq: 3 Oct 2018 12:51

Tgt Ion: 88 Resp: 4002
Ion Ratio Lower Upper
88 100
58 87.1 70.8 106.2
43 40.2 33.3 49.9



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: 0.345 ng

RT: 3.71 min Scan# 73

Delta R.T. 0.00 min

Lab File: BE097712.D

Acq: 3 Oct 2018 12:51

Instrument :

BNA_E

ClientSampleId :

ICVBE100318

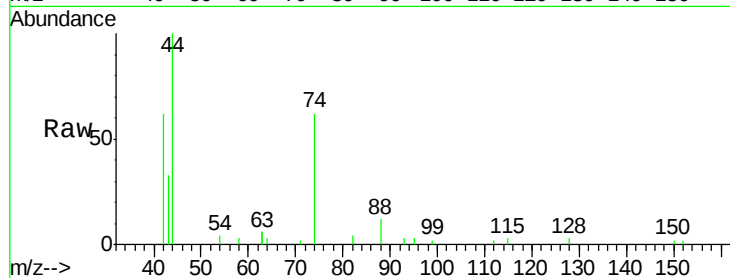
Tgt Ion: 42 Resp: 3250

Ion Ratio Lower Upper

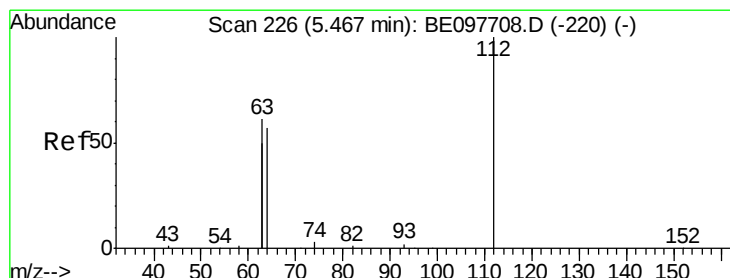
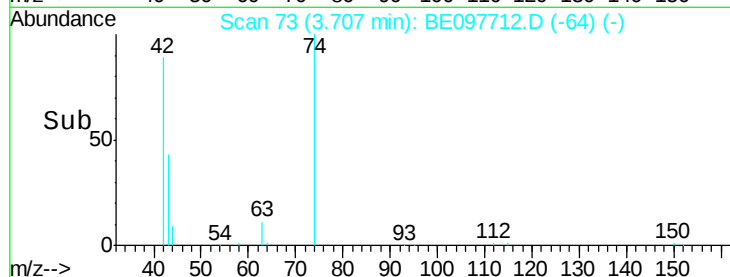
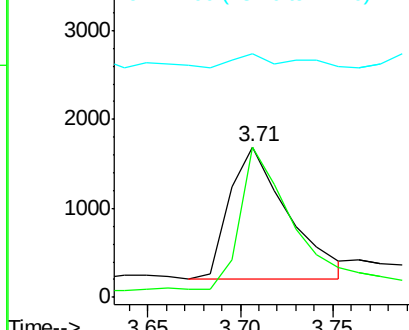
42 100

74 100.7 70.7 106.1

44 10.7 15.0 22.4#



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: 0.375 ng

RT: 5.47 min Scan# 226

Delta R.T. 0.00 min

Lab File: BE097712.D

Acq: 3 Oct 2018 12:51

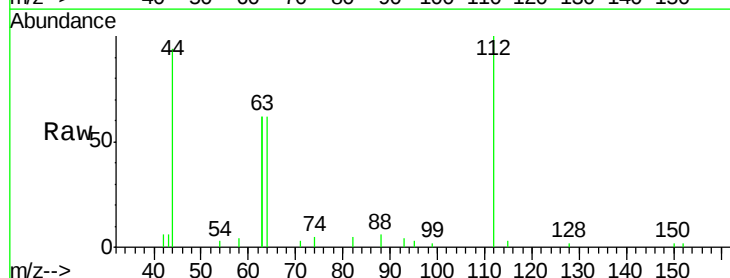
Tgt Ion: 112 Resp: 4607

Ion Ratio Lower Upper

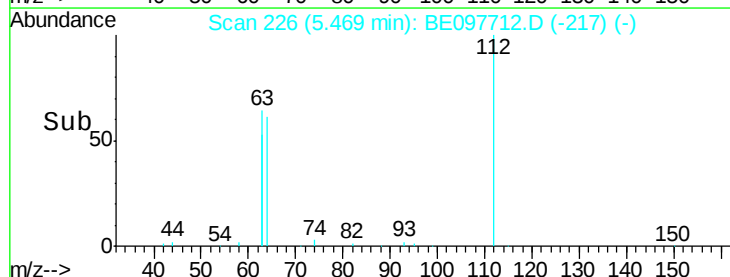
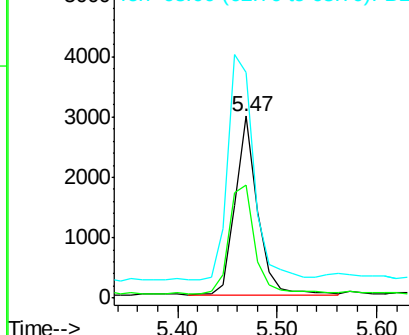
112 100

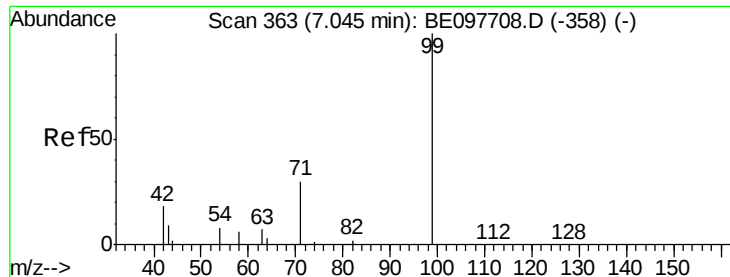
64 68.6 56.6 84.8

63 146.7 119.4 179.0



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: 0.363 ng

RT: 7.05 min Scan# 363

Delta R.T. 0.00 min

Lab File: BE097712.D

Acq: 3 Oct 2018 12:51

Instrument :

BNA_E

ClientSampleId :

ICVBE100318

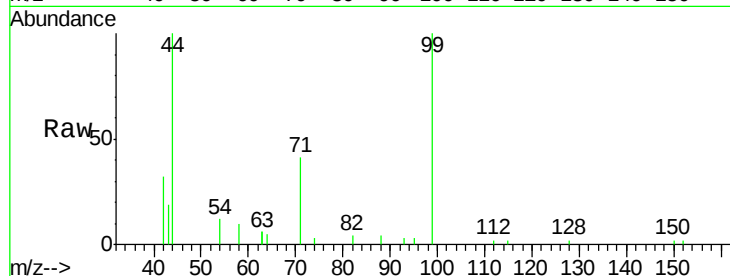
Tgt Ion: 99 Resp: 6832

Ion Ratio Lower Upper

99 100

42 25.7 19.9 29.9

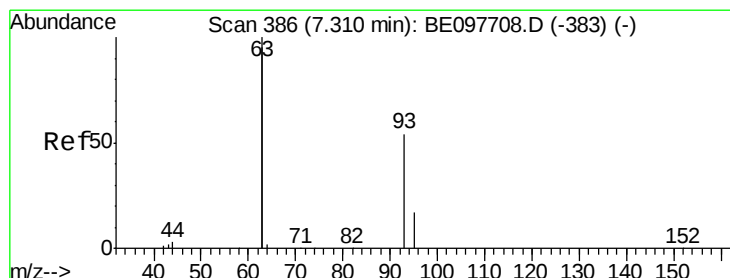
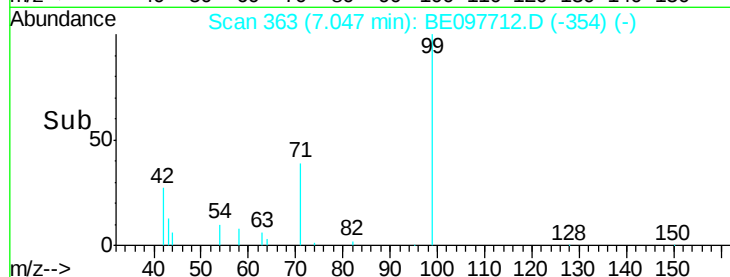
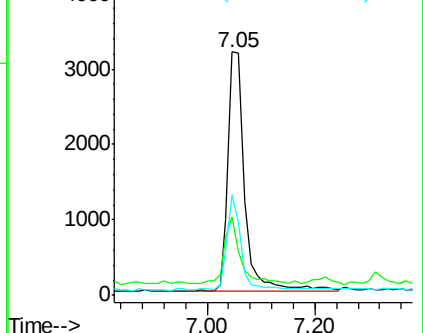
71 33.8 25.4 38.2



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: 0.375 ng

RT: 7.32 min Scan# 387

Delta R.T. 0.01 min

Lab File: BE097712.D

Acq: 3 Oct 2018 12:51

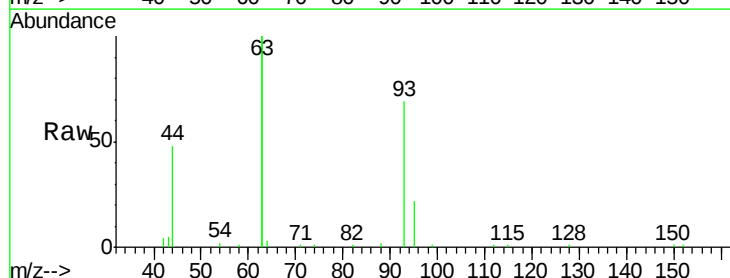
Tgt Ion: 93 Resp: 7301

Ion Ratio Lower Upper

93 100

63 331.0 266.9 400.3

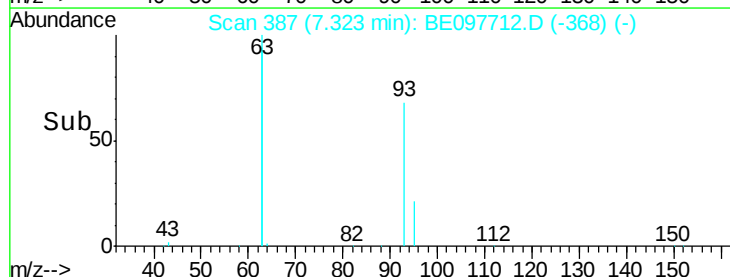
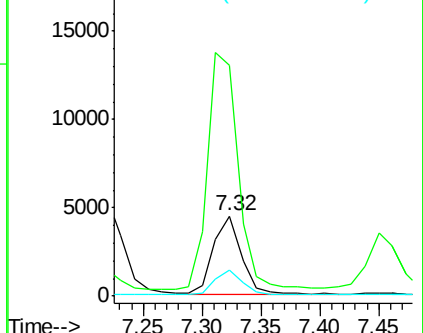
95 32.4 26.2 39.2

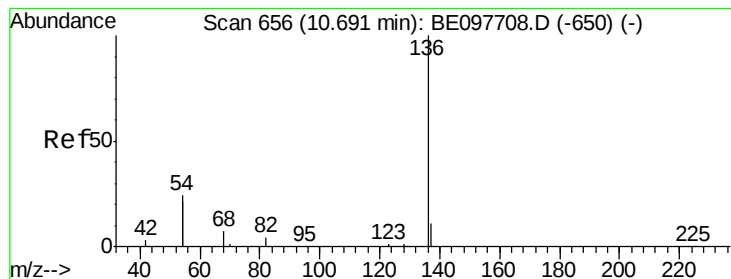


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.71 min Scan# 657

Delta R.T. 0.01 min

Lab File: BE097712.D

Acq: 3 Oct 2018 12:51

Instrument :

BNA_E

ClientSampleId :

ICVBE100318

Tgt Ion: 136 Resp: 21033

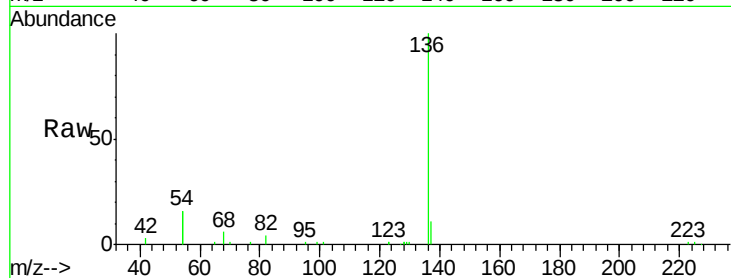
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 32.4 37.8 56.6#

68 5.9 6.4 9.6#

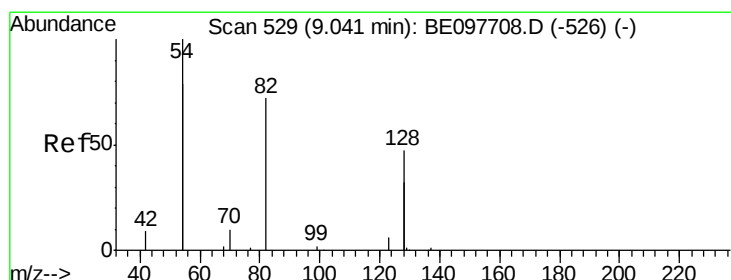
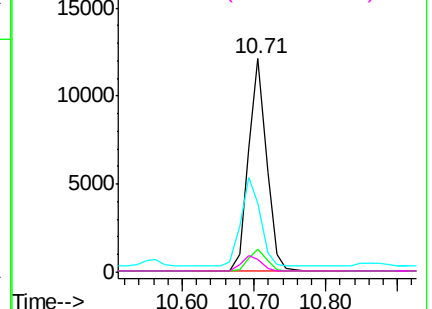
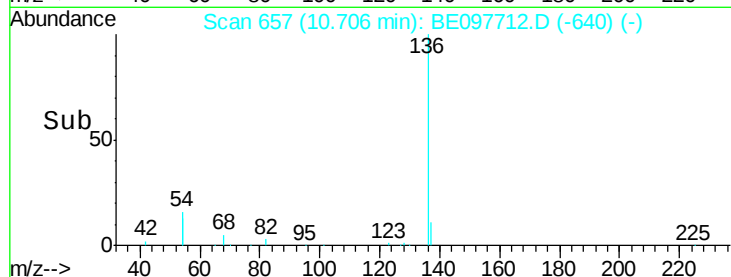


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.433 ng

RT: 9.06 min Scan# 530

Delta R.T. 0.01 min

Lab File: BE097712.D

Acq: 3 Oct 2018 12:51

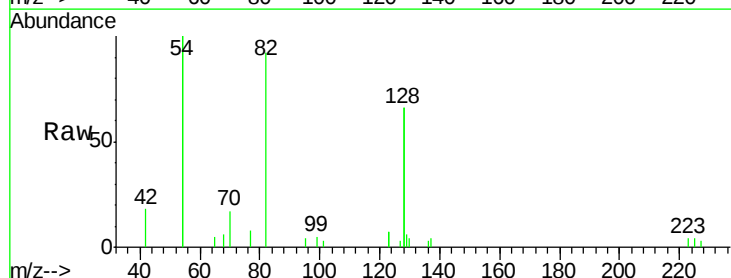
Tgt Ion: 82 Resp: 2956

Ion Ratio Lower Upper

82 100

128 142.3 97.0 145.4

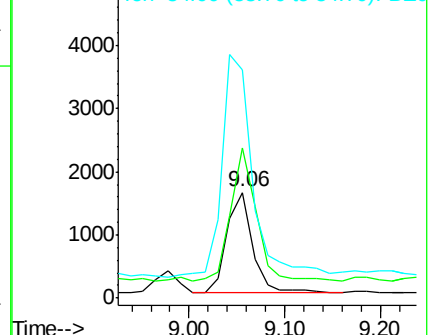
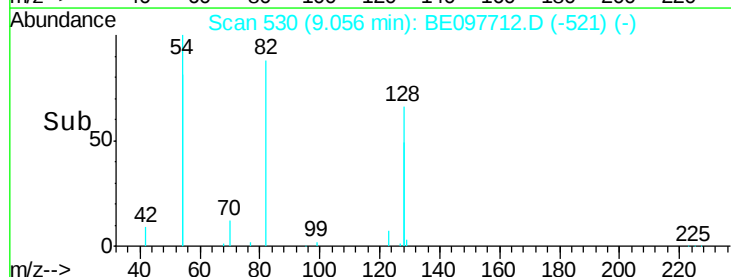
54 216.3 206.9 310.3

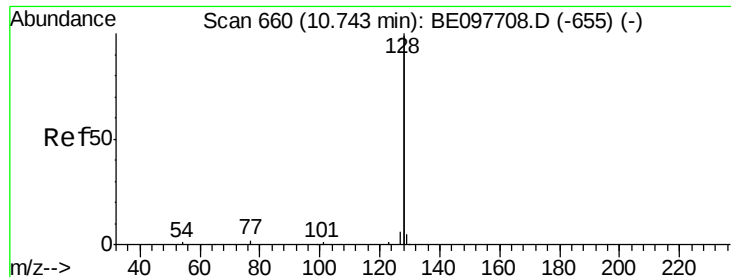


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

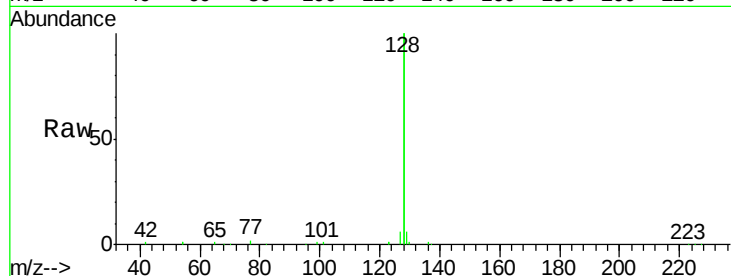




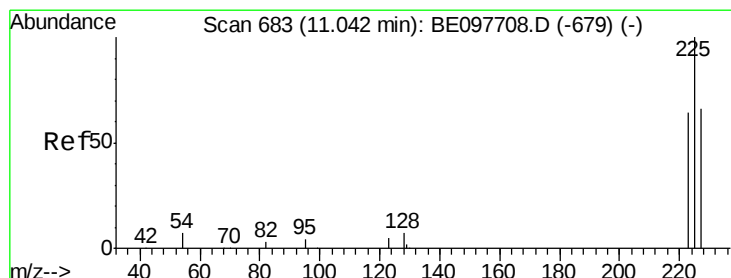
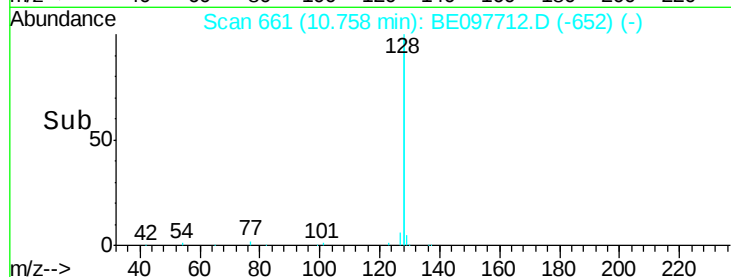
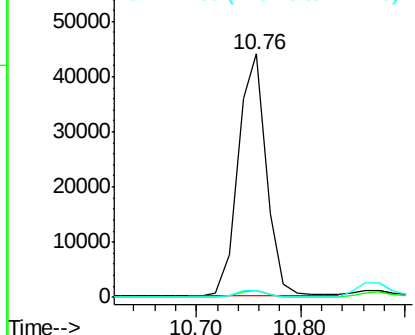
#9
Naphthalene
Concen: 0.389 ng
RT: 10.76 min Scan# 661
Delta R.T. 0.01 min
Lab File: BE097712.D
Acq: 3 Oct 2018 12:51

Instrument :
BNA_E
ClientSampleId :
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Tgt Ion:128 Resp: 82420
Ion Ratio Lower Upper
128 100
129 2.9 2.2 3.2
127 3.1 2.7 4.1

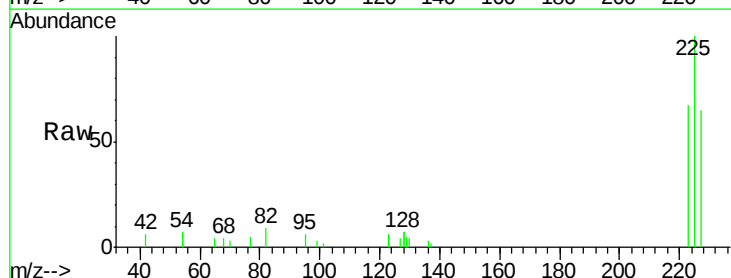


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

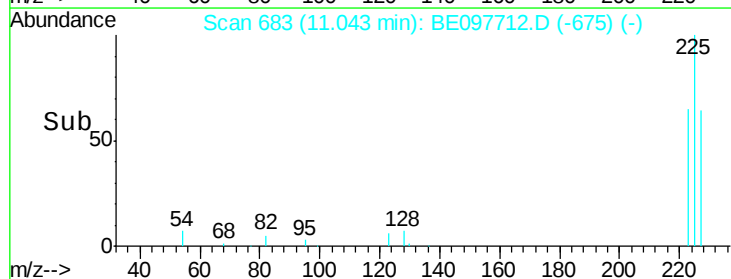
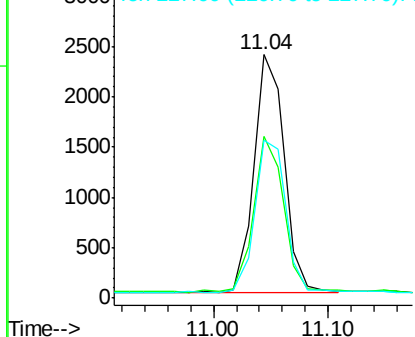


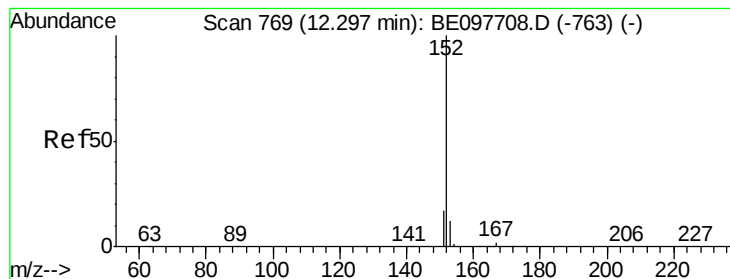
#10
Hexachlorobutadiene
Concen: 0.386 ng
RT: 11.04 min Scan# 683
Delta R.T. 0.00 min
Lab File: BE097712.D
Acq: 3 Oct 2018 12:51

Tgt Ion:225 Resp: 4342
Ion Ratio Lower Upper
225 100
223 65.3 52.2 78.4
227 65.7 51.2 76.8



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: 0.385 ng

RT: 12.31 min Scan# 770

Delta R.T. 0.01 min

Lab File: BE097712.D

Acq: 3 Oct 2018 12:51

Instrument :

BNA_E

ClientSampleId :

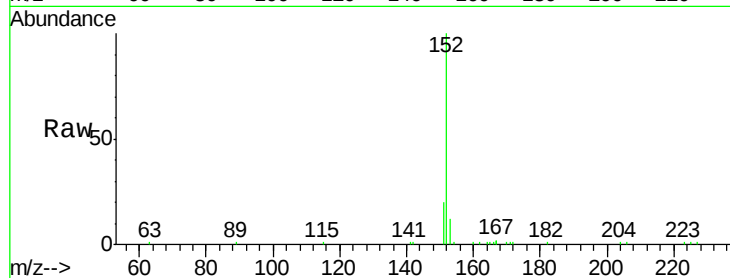
ICVBE100318

Tgt Ion:152 Resp: 12871

Ion Ratio Lower Upper

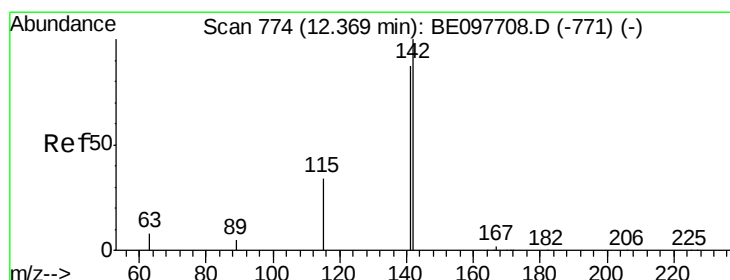
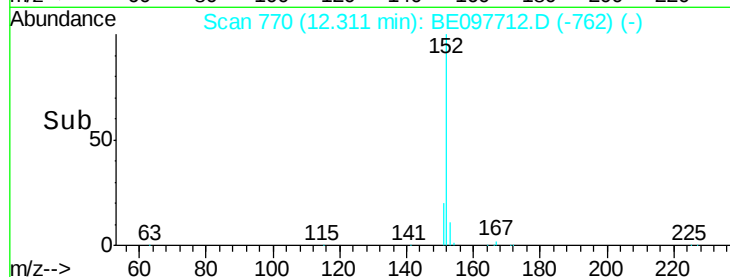
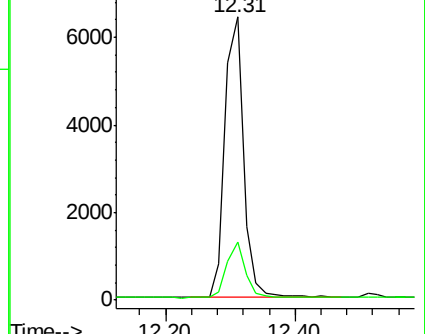
152 100

151 19.8 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: 0.392 ng

RT: 12.38 min Scan# 775

Delta R.T. 0.01 min

Lab File: BE097712.D

Acq: 3 Oct 2018 12:51

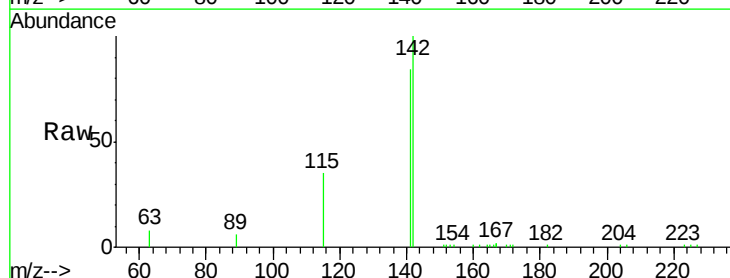
Tgt Ion:142 Resp: 13292

Ion Ratio Lower Upper

142 100

141 83.5 69.4 104.2

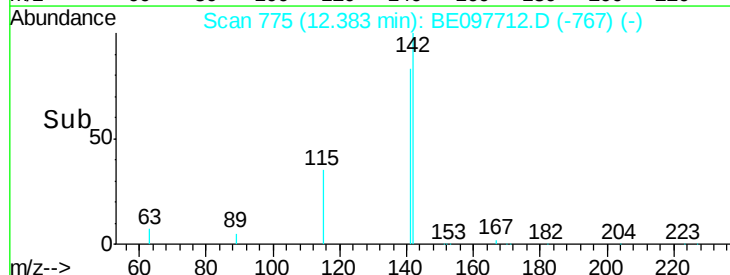
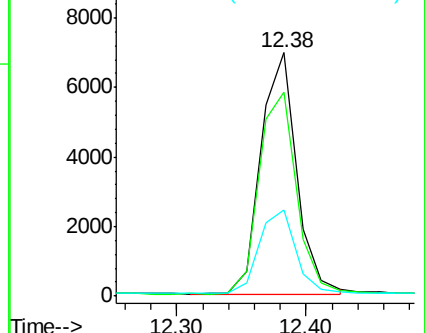
115 35.3 28.0 42.0

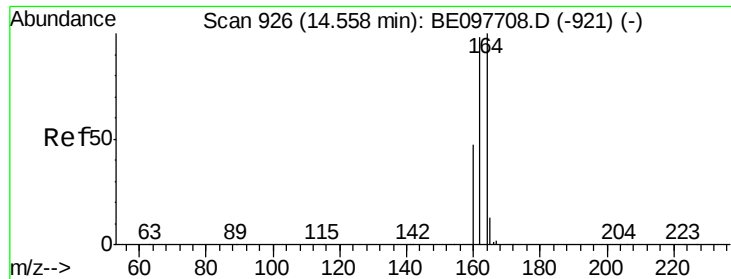


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

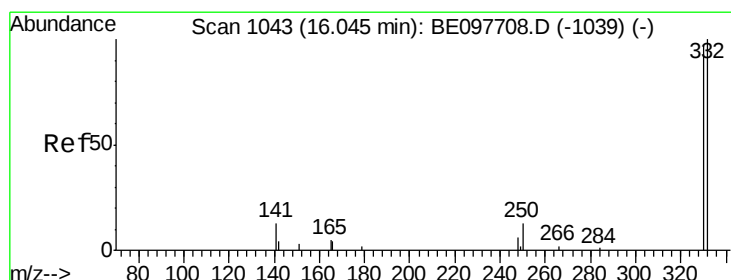
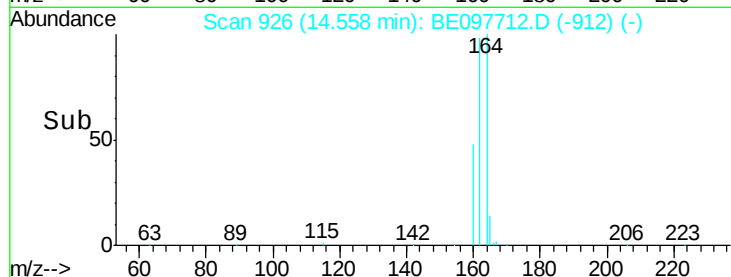
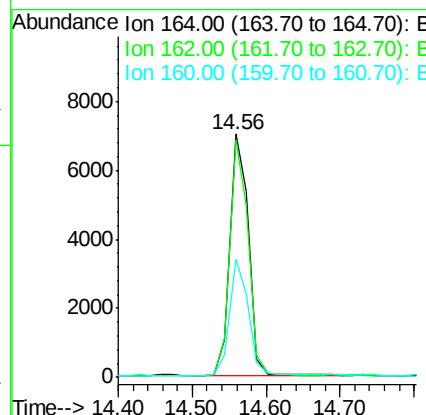
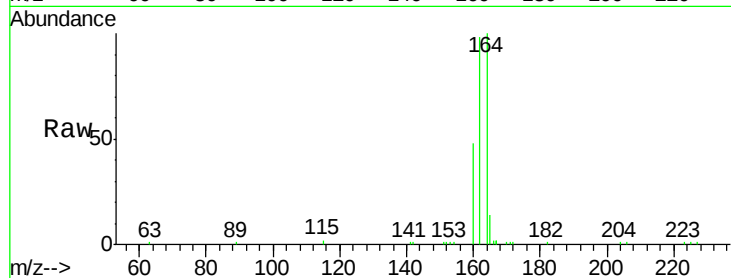




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.56 min Scan# 926
Delta R.T. -0.00 min
Lab File: BE097712.D
Acq: 3 Oct 2018 12:51

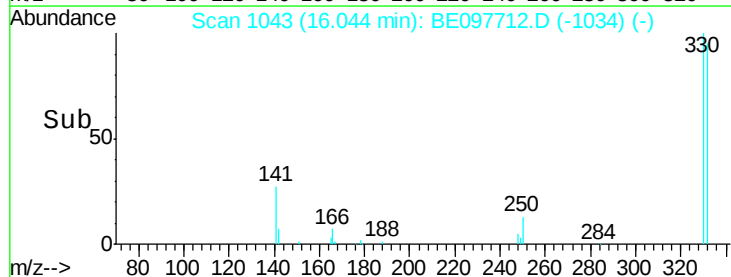
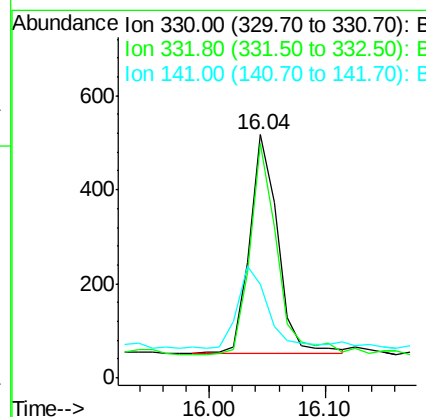
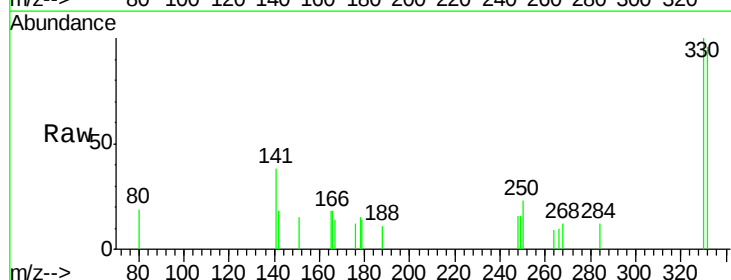
Instrument :
BNA_E
ClientSampleId :
ICVBE100318

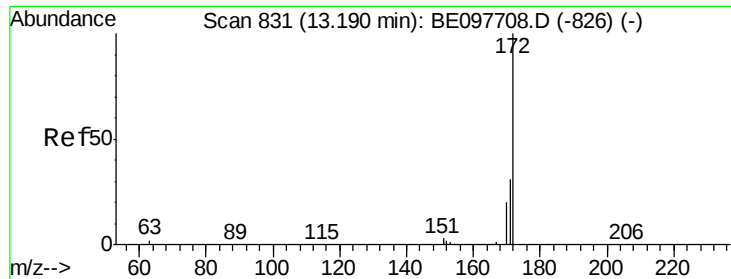
Tgt Ion:164 Resp: 12124
Ion Ratio Lower Upper
164 100
162 97.7 78.6 117.8
160 48.3 37.8 56.6



#14
2,4,6-Tribromophenol
Concen: 0.360 ng
RT: 16.04 min Scan# 1043
Delta R.T. 0.00 min
Lab File: BE097712.D
Acq: 3 Oct 2018 12:51

Tgt Ion:330 Resp: 792
Ion Ratio Lower Upper
330 100
332 96.0 83.5 125.3
141 39.1 34.9 52.3

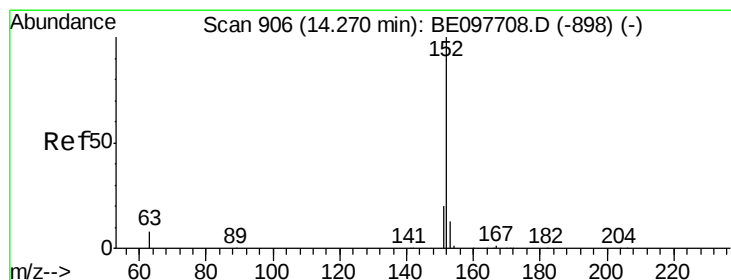
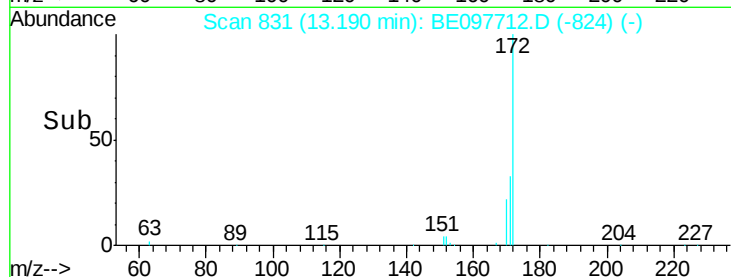
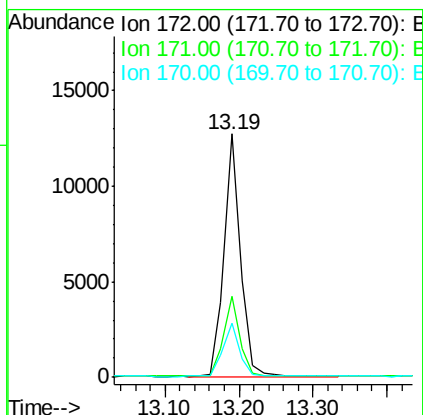
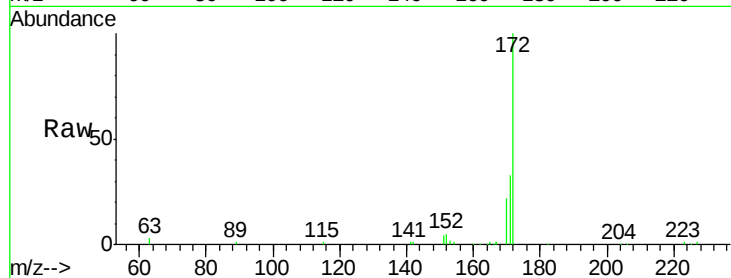




#15
2-Fluorobiphenyl
Concen: 0.368 ng
RT: 13.19 min Scan# 831
Delta R.T. -0.00 min
Lab File: BE097712.D
Acq: 3 Oct 2018 12:51

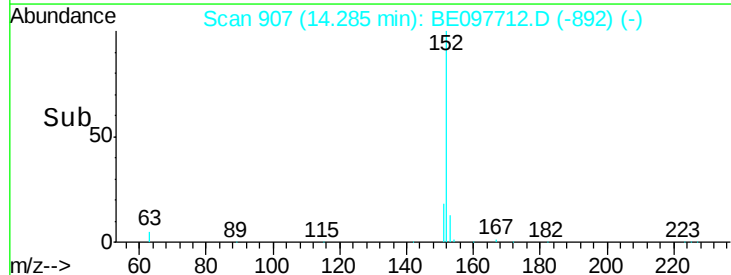
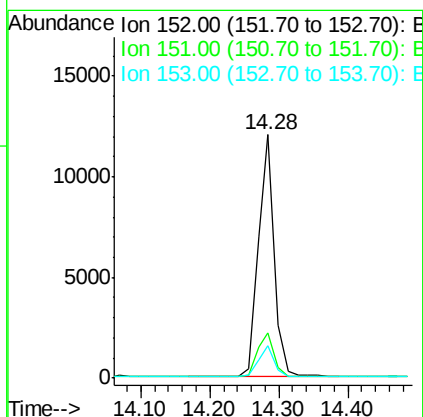
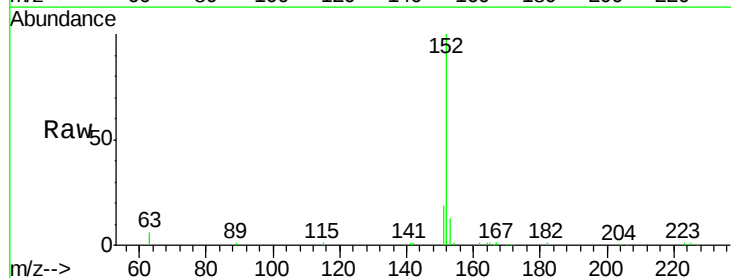
Instrument :
BNA_E
ClientSampleId :
ICVBE100318

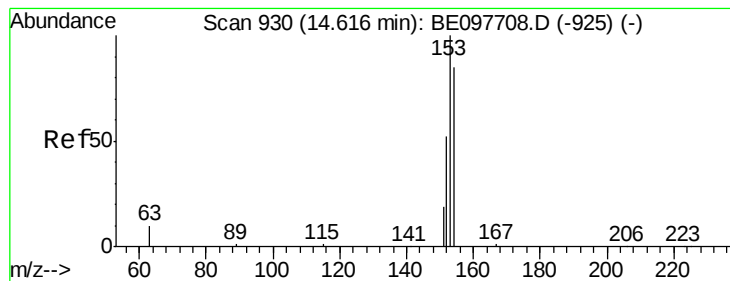
Tgt Ion:172 Resp: 19644
Ion Ratio Lower Upper
172 100
171 33.2 25.2 37.8
170 22.5 16.2 24.2



#16
Acenaphthylene
Concen: 0.364 ng
RT: 14.28 min Scan# 907
Delta R.T. 0.01 min
Lab File: BE097712.D
Acq: 3 Oct 2018 12:51

Tgt Ion:152 Resp: 19536
Ion Ratio Lower Upper
152 100
151 19.8 15.3 22.9
153 12.8 10.8 16.2





#17

Acenaphthene

Concen: 0.367 ng

RT: 14.63 min Scan# 931

Delta R.T. 0.01 min

Lab File: BE097712.D

Acq: 3 Oct 2018 12:51

Instrument :

BNA_E

ClientSampleId :

ICVBE100318

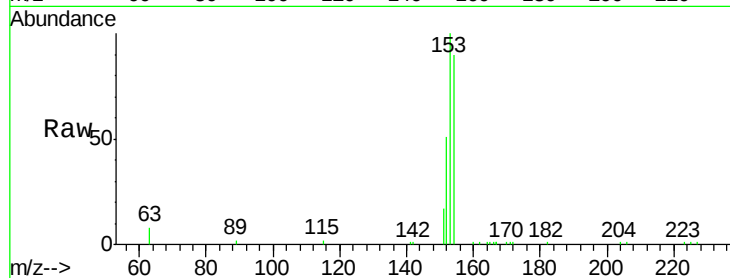
Tgt Ion:154 Resp: 12633

Ion Ratio Lower Upper

154 100

153 114.8 93.3 139.9

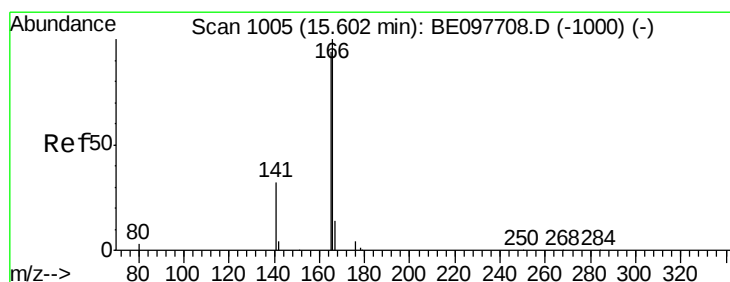
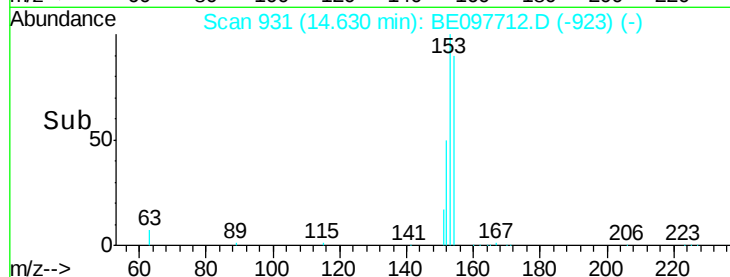
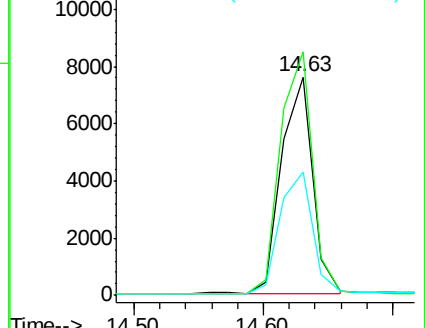
152 59.4 48.9 73.3



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: 0.370 ng

RT: 15.60 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BE097712.D

Acq: 3 Oct 2018 12:51

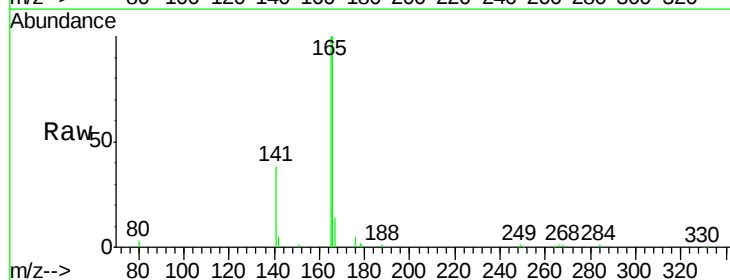
Tgt Ion:166 Resp: 16896

Ion Ratio Lower Upper

166 100

165 99.2 79.0 118.4

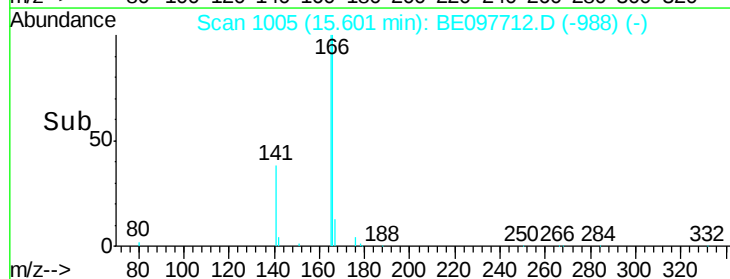
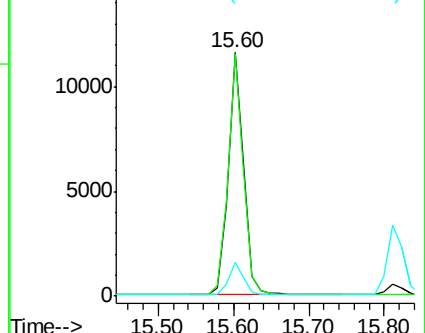
167 13.3 11.1 16.7

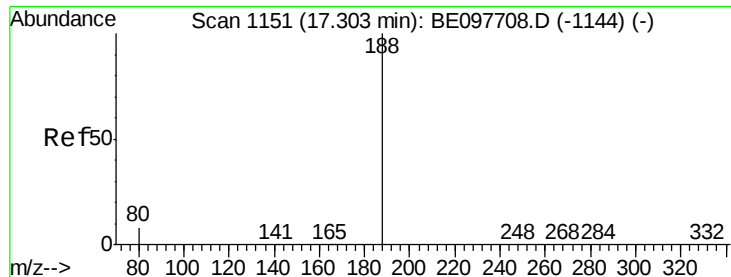


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.30 min Scan# 1151

Delta R.T. -0.00 min

Lab File: BE097712.D

Acq: 3 Oct 2018 12:51

Instrument :

BNA_E

ClientSampleId :

ICVBE100318

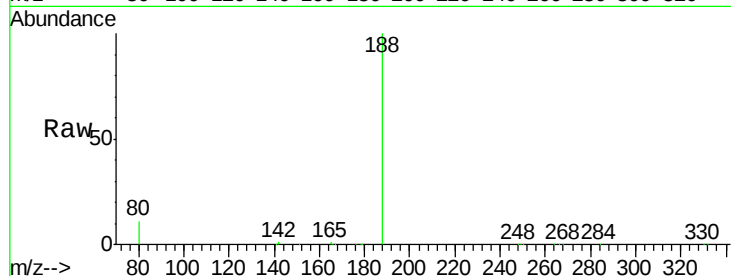
Tgt Ion:188 Resp: 32786

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

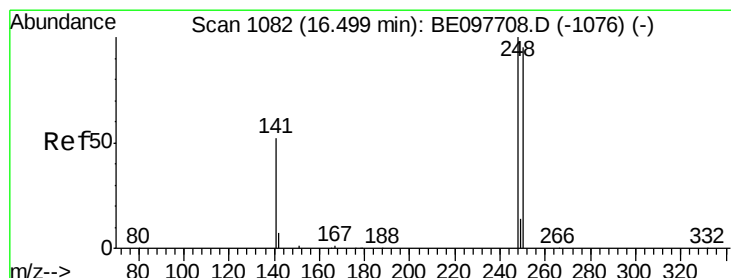
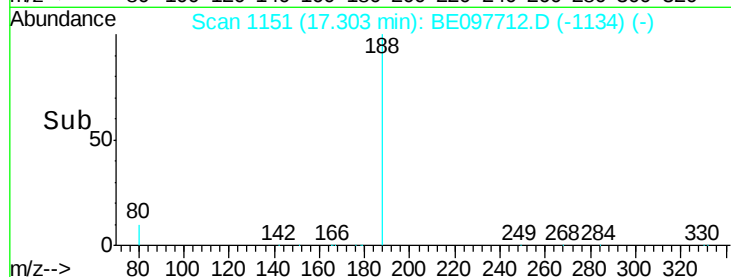
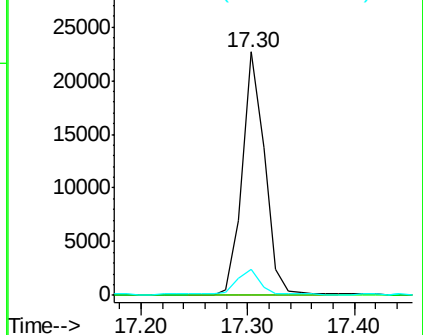
80 10.7 6.6 9.8#



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: 0.374 ng

RT: 16.50 min Scan# 1082

Delta R.T. -0.00 min

Lab File: BE097712.D

Acq: 3 Oct 2018 12:51

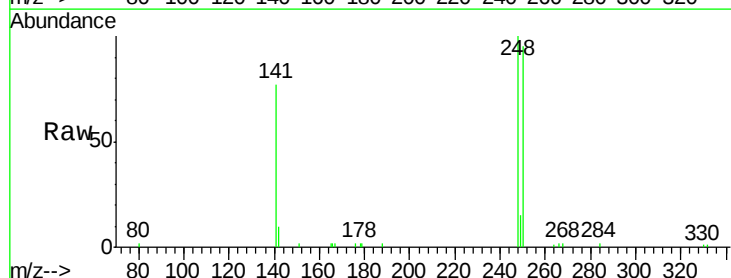
Tgt Ion:248 Resp: 6425

Ion Ratio Lower Upper

248 100

250 94.9 76.1 114.1

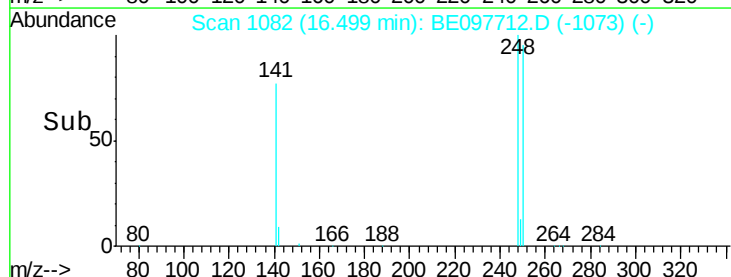
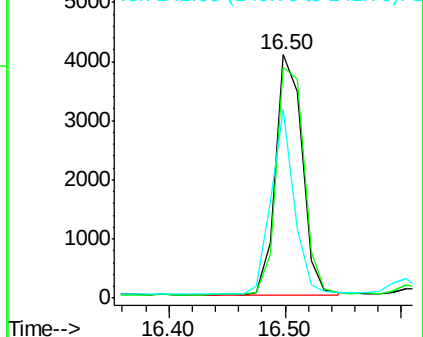
141 77.3 42.2 63.4#

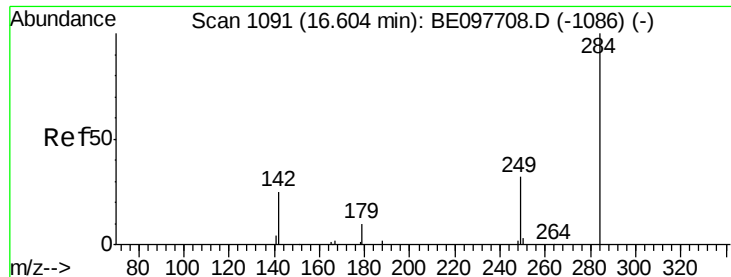


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.392 ng

RT: 16.62 min Scan# 1092

Delta R.T. 0.01 min

Lab File: BE097712.D

Acq: 3 Oct 2018 12:51

Instrument :

BNA_E

ClientSampleId :

ICVBE100318

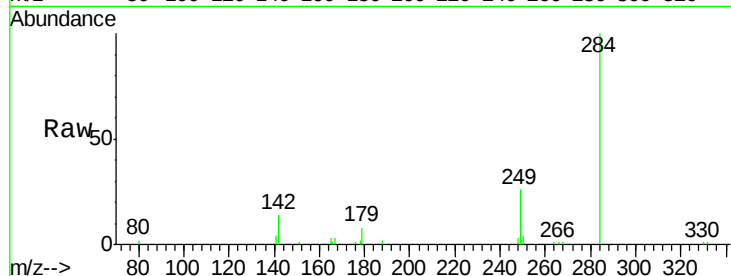
Tgt Ion:284 Resp: 7583

Ion Ratio Lower Upper

284 100

142 31.9 24.9 37.3

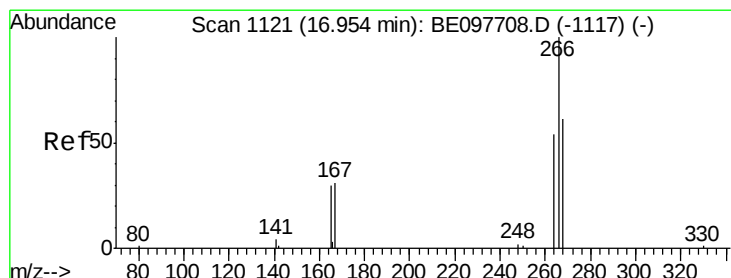
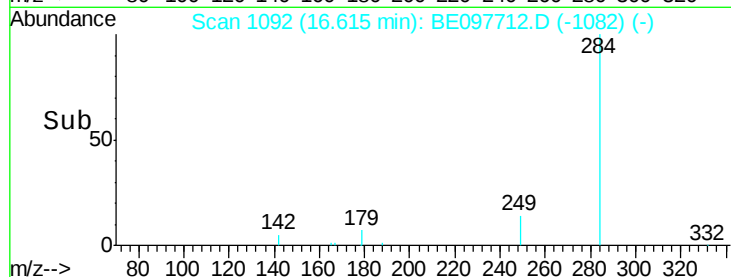
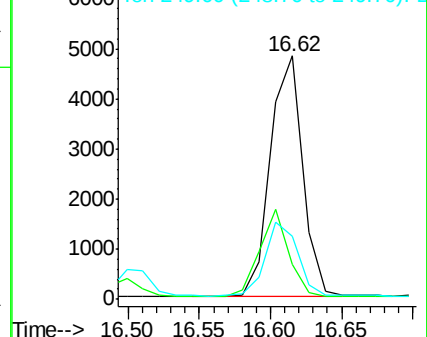
249 30.8 25.8 38.8



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: 0.375 ng

RT: 16.95 min Scan# 1121

Delta R.T. 0.00 min

Lab File: BE097712.D

Acq: 3 Oct 2018 12:51

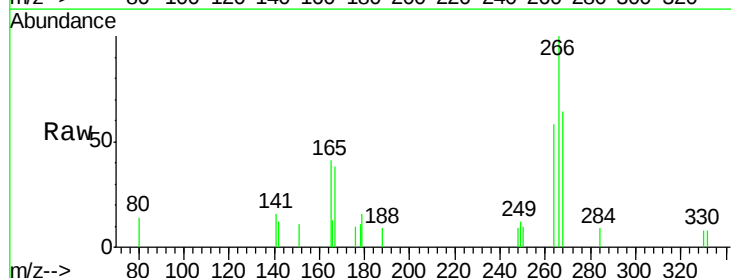
Tgt Ion:266 Resp: 1137

Ion Ratio Lower Upper

266 100

264 57.5 46.8 70.2

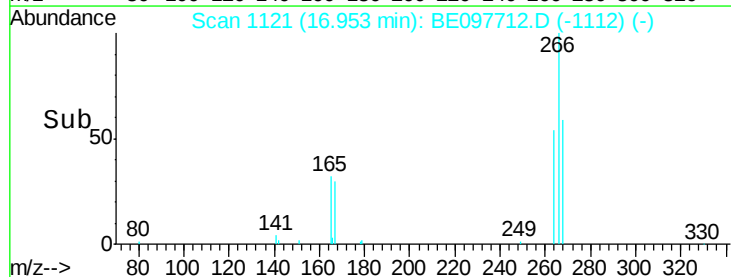
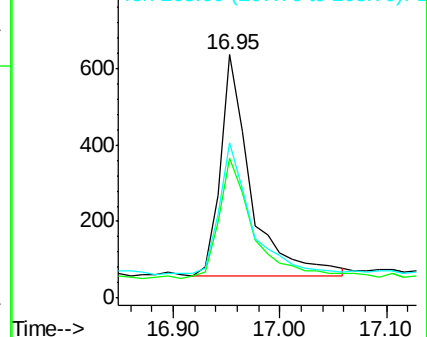
268 63.8 53.0 79.6

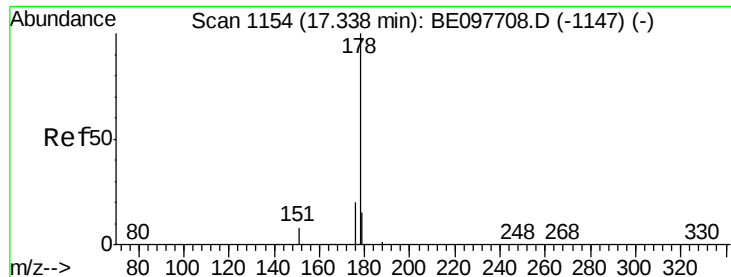


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.385 ng

RT: 17.35 min Scan# 1155

Delta R.T. 0.01 min

Lab File: BE097712.D

Acq: 3 Oct 2018 12:51

Instrument :

BNA_E

ClientSampleId :

ICVBE100318

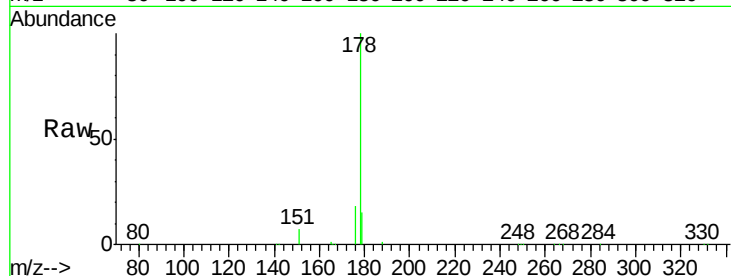
Tgt Ion:178 Resp: 32542

Ion Ratio Lower Upper

178 100

176 18.5 15.4 23.2

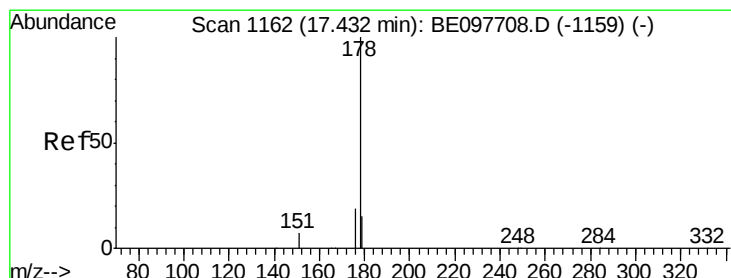
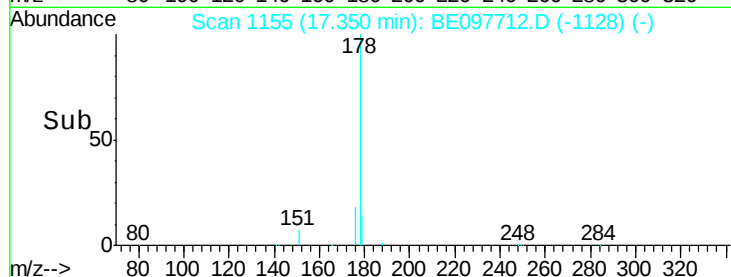
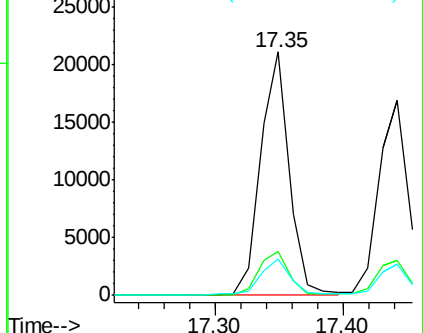
179 14.8 12.2 18.4



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: 0.369 ng

RT: 17.44 min Scan# 1163

Delta R.T. 0.01 min

Lab File: BE097712.D

Acq: 3 Oct 2018 12:51

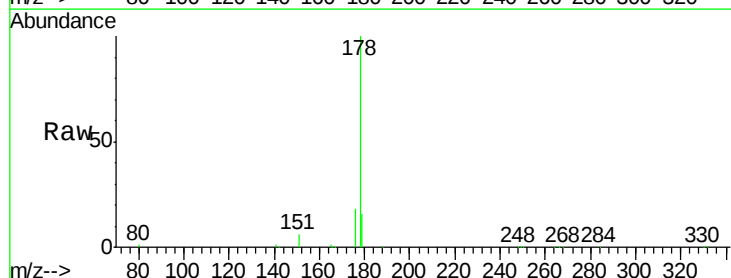
Tgt Ion:178 Resp: 26914

Ion Ratio Lower Upper

178 100

176 18.7 15.1 22.7

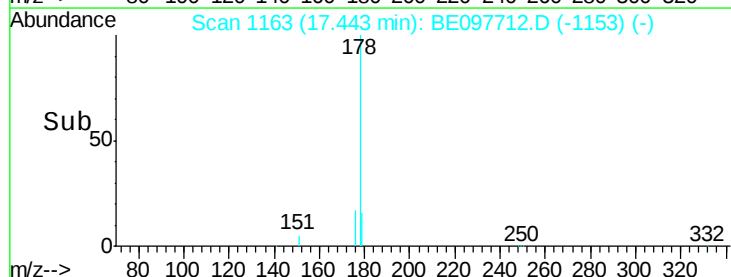
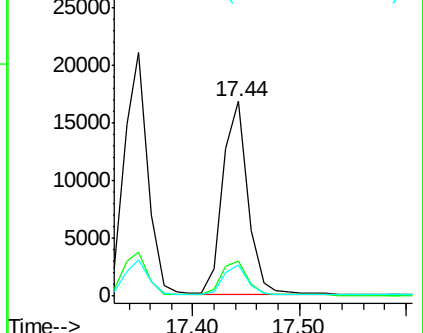
179 15.4 12.2 18.2

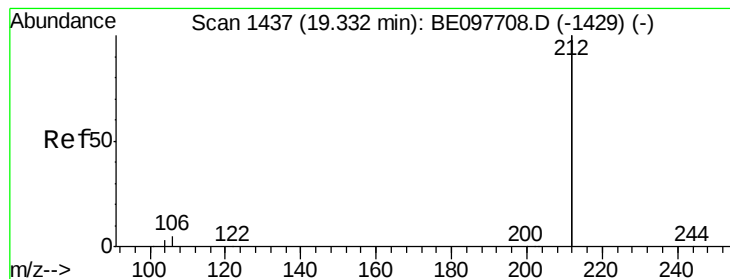


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.366 ng

RT: 19.34 min Scan# 1438

Delta R.T. 0.01 min

Lab File: BE097712.D

Acq: 3 Oct 2018 12:51

Instrument :

BNA_E

ClientSampleId :

ICVBE100318

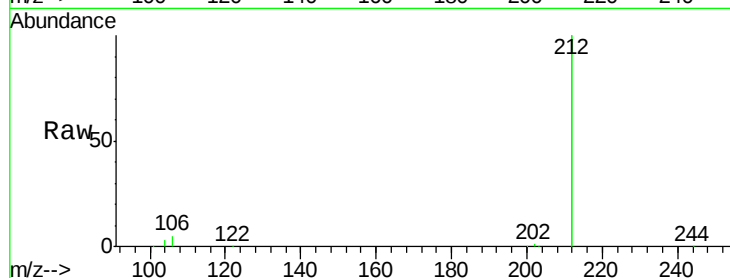
Tgt Ion:212 Resp: 151791

Ion Ratio Lower Upper

212 100

106 2.8 2.2 3.2

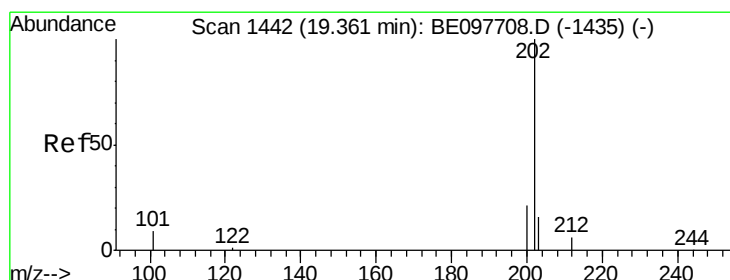
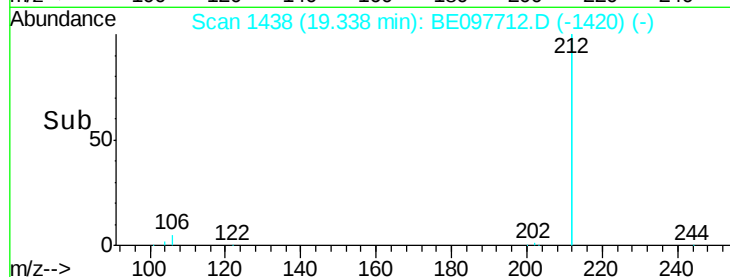
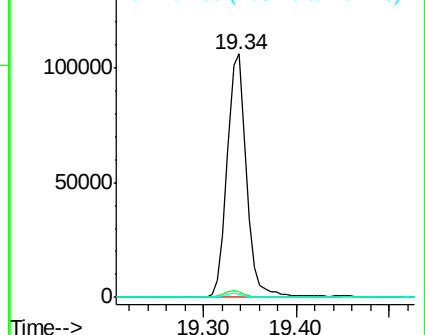
104 1.5 1.2 1.8



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: 0.370 ng

RT: 19.37 min Scan# 1443

Delta R.T. 0.01 min

Lab File: BE097712.D

Acq: 3 Oct 2018 12:51

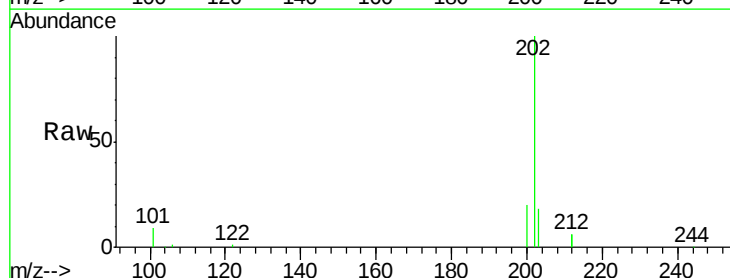
Tgt Ion:202 Resp: 39835

Ion Ratio Lower Upper

202 100

101 10.1 7.8 11.8

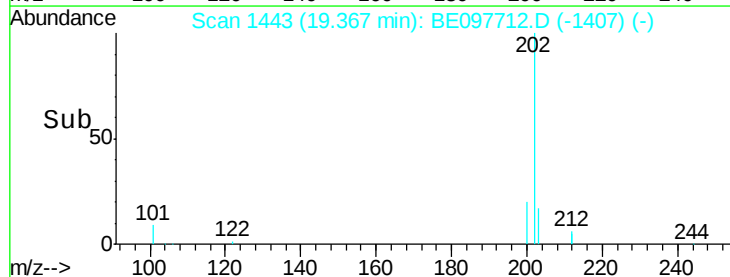
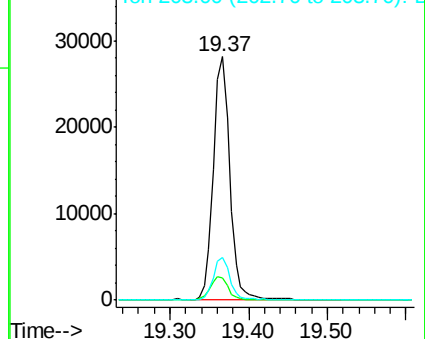
203 17.2 13.8 20.6

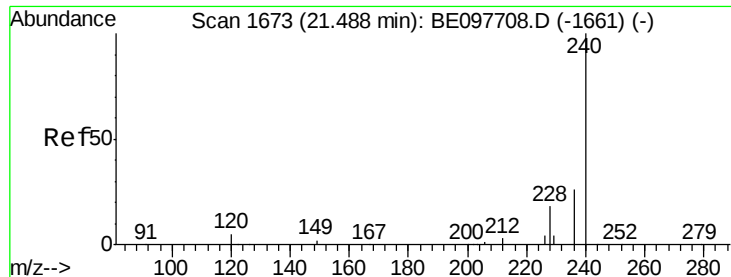


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

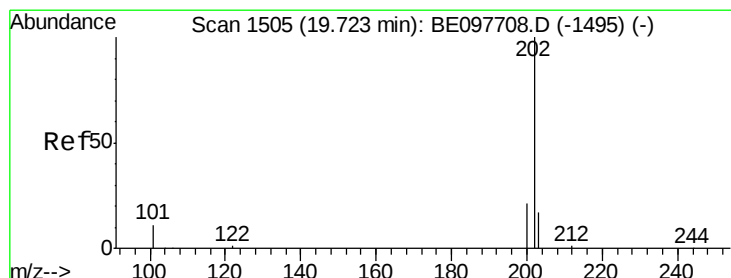
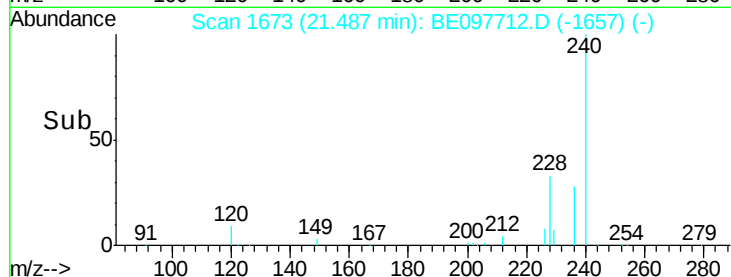
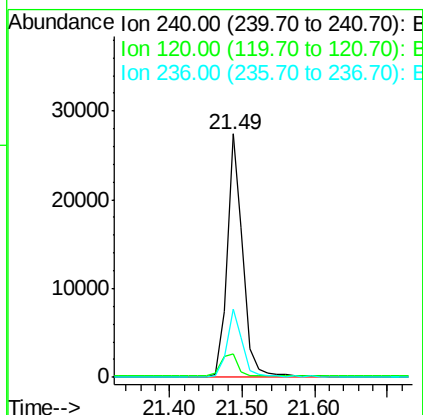
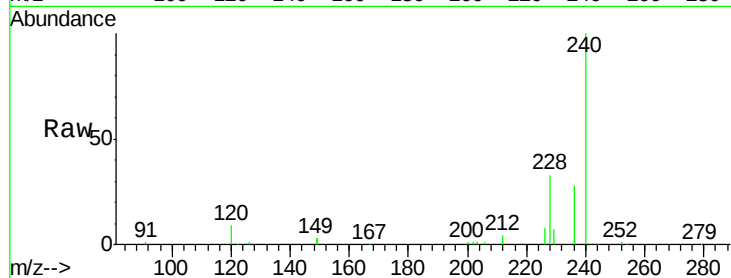




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.49 min Scan# 1673
 Delta R.T. -0.00 min
 Lab File: BE097712.D
 Acq: 3 Oct 2018 12:51

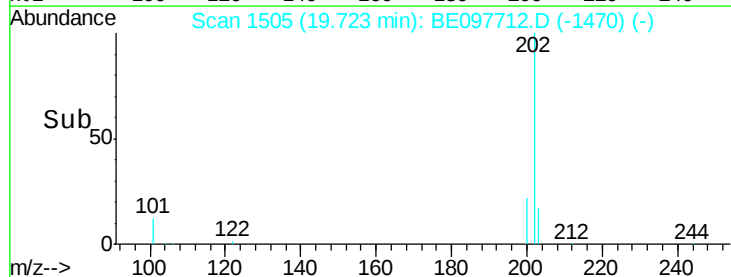
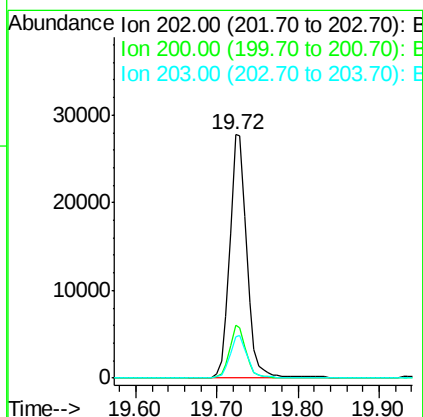
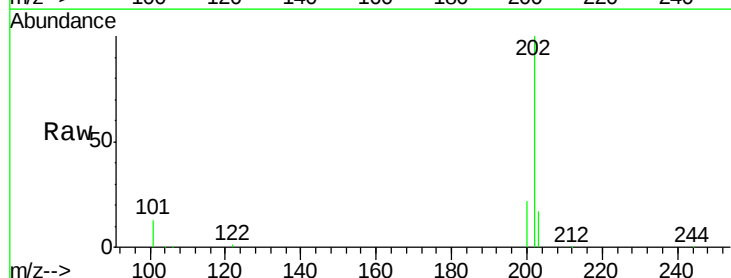
Instrument :
 BNA_E
 ClientSampleId :
 ICVBE100318

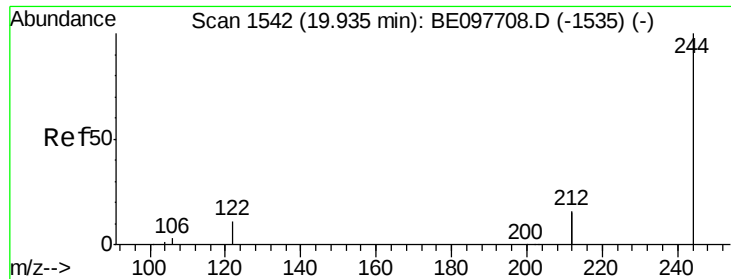
Tgt Ion:240 Resp: 41511
 Ion Ratio Lower Upper
 240 100
 120 9.4 4.7 7.1#
 236 27.9 20.8 31.2



#28
 Pyrene
 Concen: 0.378 ng
 RT: 19.72 min Scan# 1505
 Delta R.T. 0.00 min
 Lab File: BE097712.D
 Acq: 3 Oct 2018 12:51

Tgt Ion:202 Resp: 39902
 Ion Ratio Lower Upper
 202 100
 200 20.7 16.7 25.1
 203 17.1 13.9 20.9





#29

Terphenyl-d14

Concen: 0.379 ng

RT: 19.94 min Scan# 1543

Delta R.T. 0.01 min

Lab File: BE097712.D

Acq: 3 Oct 2018 12:51

Instrument :

BNA_E

ClientSampleId :

ICVBE100318

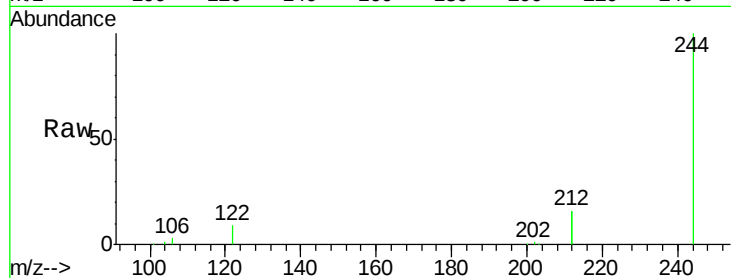
Tgt Ion:244 Resp: 32089

Ion Ratio Lower Upper

244 100

212 31.8 25.8 38.8

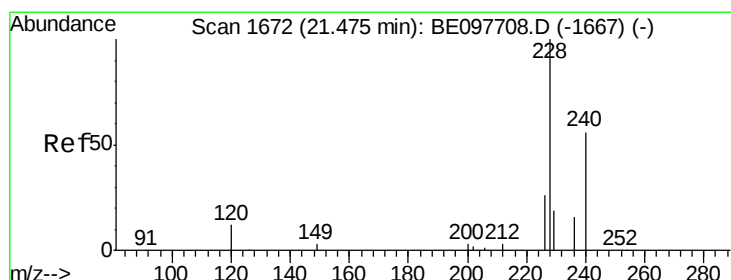
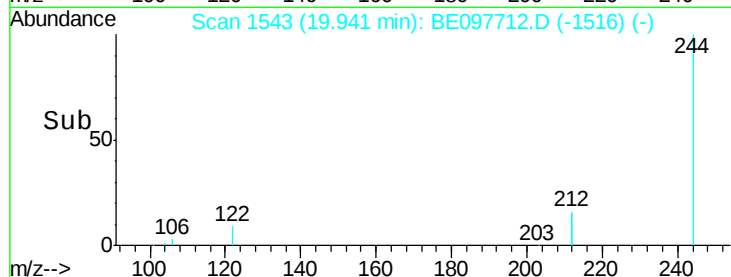
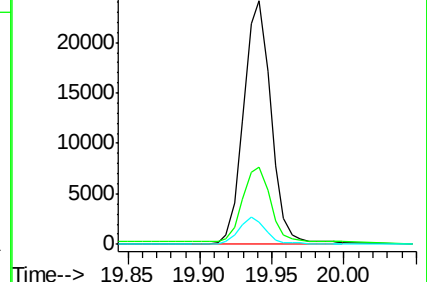
122 9.2 8.7 13.1



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: 0.356 ng

RT: 21.47 min Scan# 1672

Delta R.T. -0.00 min

Lab File: BE097712.D

Acq: 3 Oct 2018 12:51

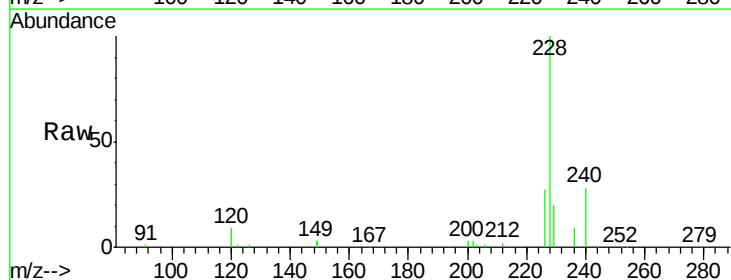
Tgt Ion:228 Resp: 39720

Ion Ratio Lower Upper

228 100

226 27.0 20.7 31.1

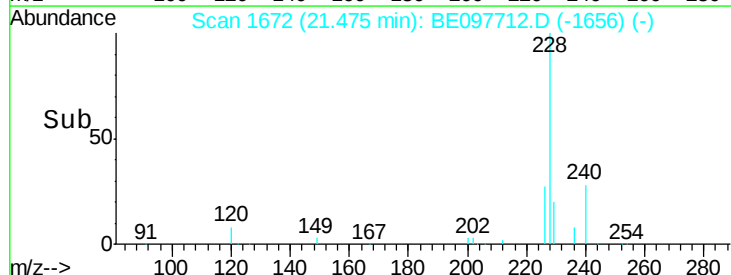
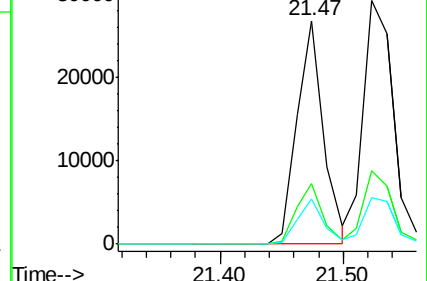
229 20.1 15.7 23.5

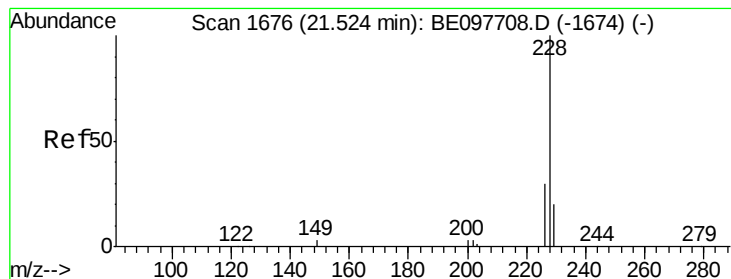


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.388 ng

RT: 21.52 min Scan# 1676

Delta R.T. -0.00 min

Lab File: BE097712.D

Acq: 3 Oct 2018 12:51

Instrument :

BNA_E

ClientSampleId :

ICVBE100318

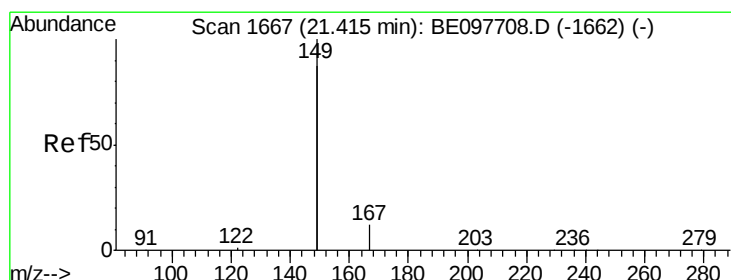
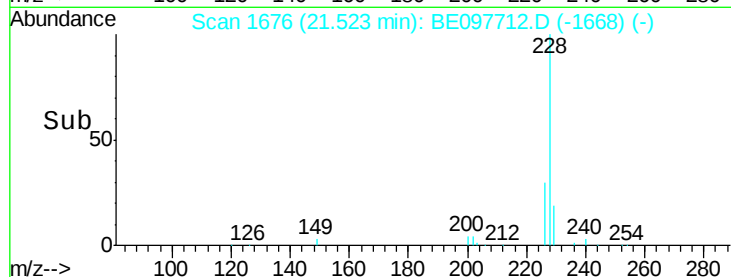
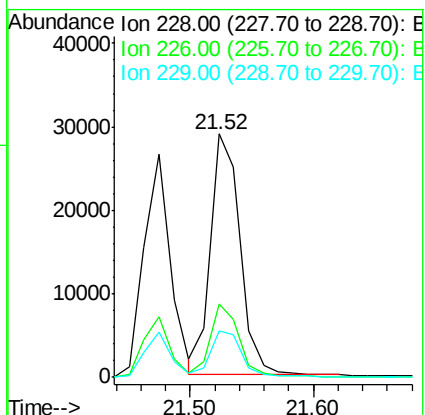
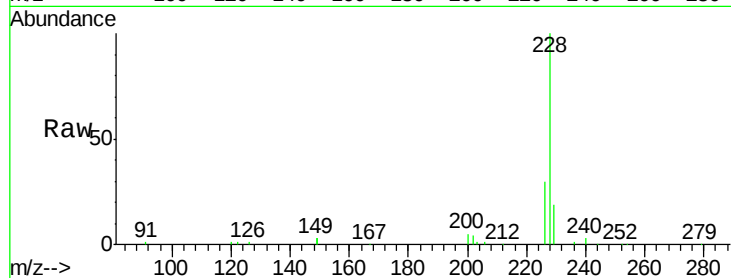
Tgt Ion: 228 Resp: 48366

Ion Ratio Lower Upper

228 100

226 30.3 24.3 36.5

229 19.3 16.0 24.0



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.348 ng

RT: 21.43 min Scan# 1668

Delta R.T. 0.01 min

Lab File: BE097712.D

Acq: 3 Oct 2018 12:51

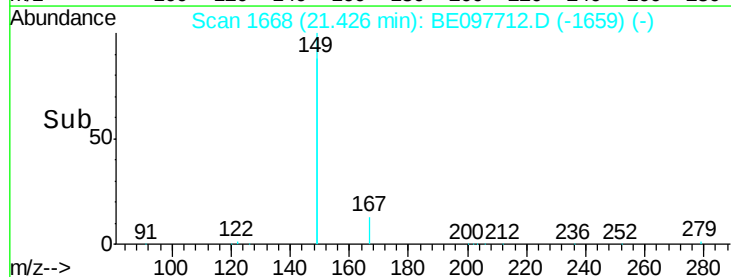
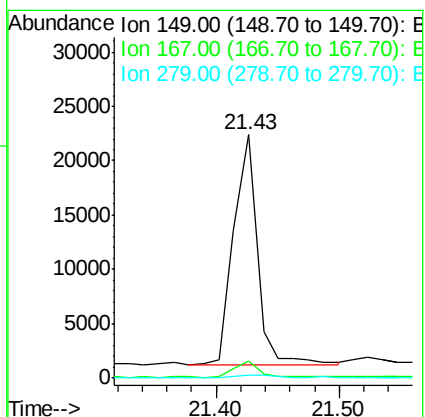
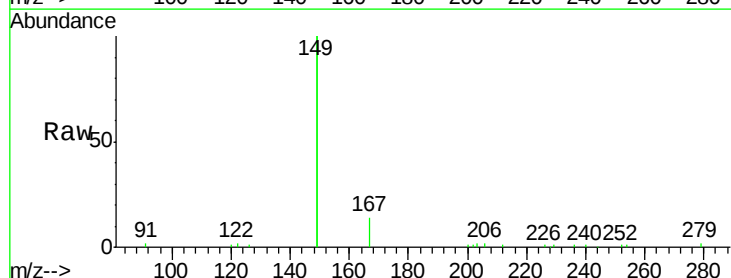
Tgt Ion: 149 Resp: 28438

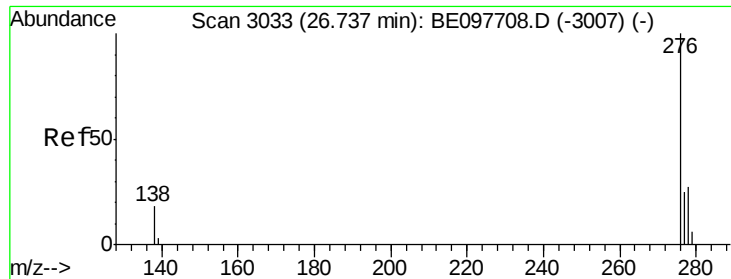
Ion Ratio Lower Upper

149 100

167 6.7 5.5 8.3

279 1.1 0.9 1.3





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.360 ng

RT: 26.74 min Scan# 3035

Delta R.T. 0.01 min

Lab File: BE097712.D

Acq: 3 Oct 2018 12:51

Instrument :

BNA_E

ClientSampleId :

ICVBE100318

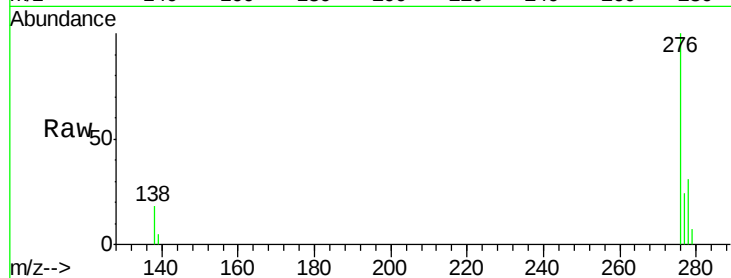
Tgt Ion:276 Resp: 39008

Ion Ratio Lower Upper

276 100

138 7.7 15.0 22.6#

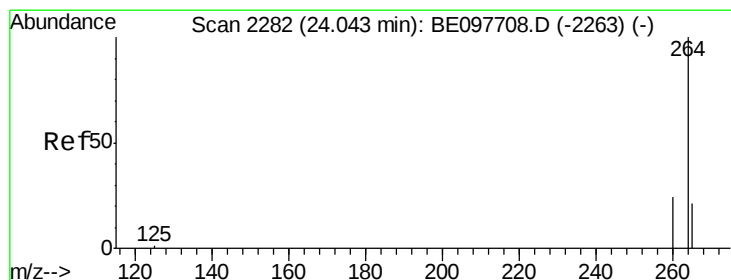
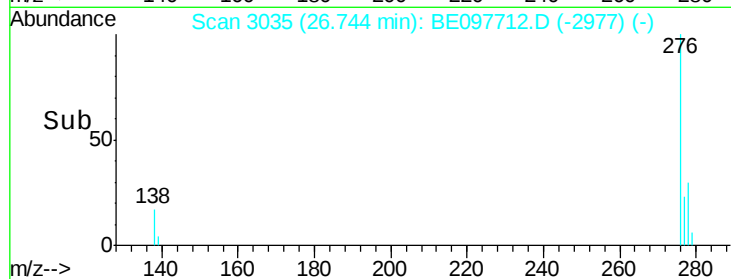
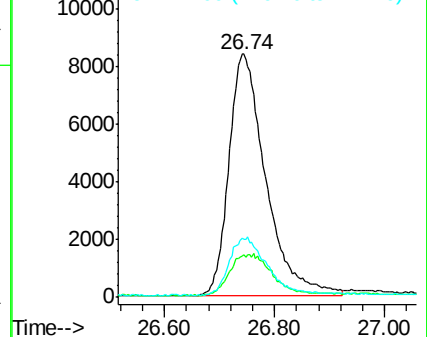
277 24.2 19.2 28.8



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: 24.05 min Scan# 2283

Delta R.T. 0.00 min

Lab File: BE097712.D

Acq: 3 Oct 2018 12:51

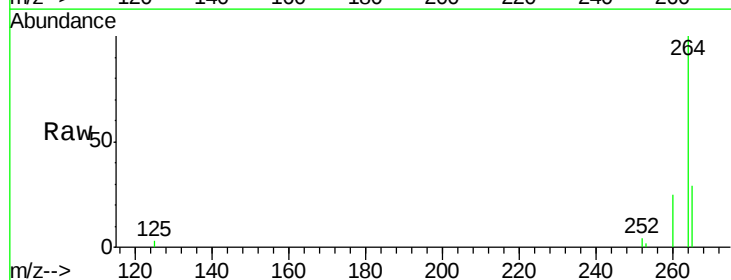
Tgt Ion:264 Resp: 37686

Ion Ratio Lower Upper

264 100

260 25.3 19.1 28.7

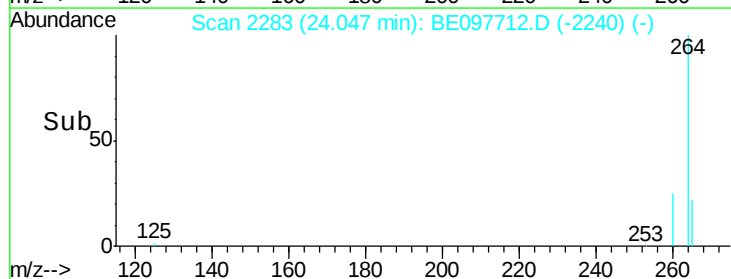
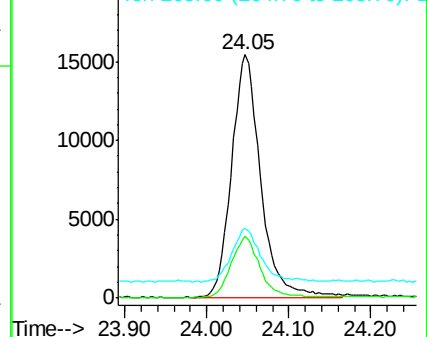
265 28.8 21.9 32.9

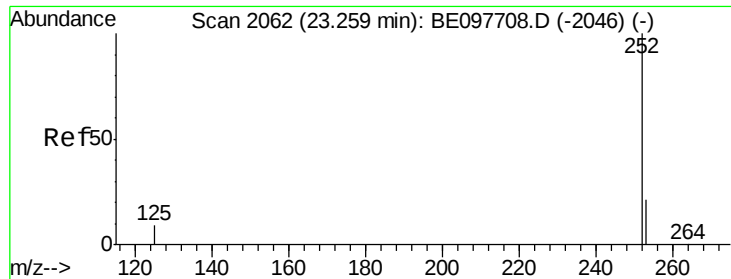


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.347 ng

RT: 23.26 min Scan# 2063

Delta R.T. 0.00 min

Lab File: BE097712.D

Acq: 3 Oct 2018 12:51

Instrument :

BNA_E

ClientSampleId :

ICVBE100318

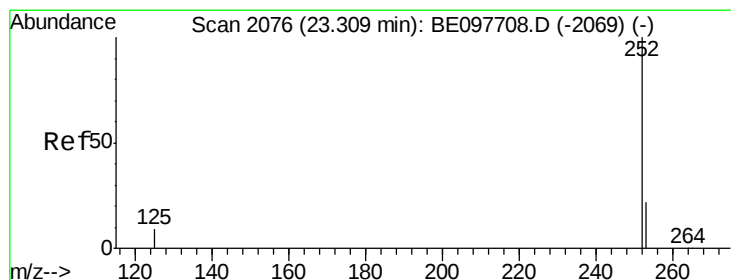
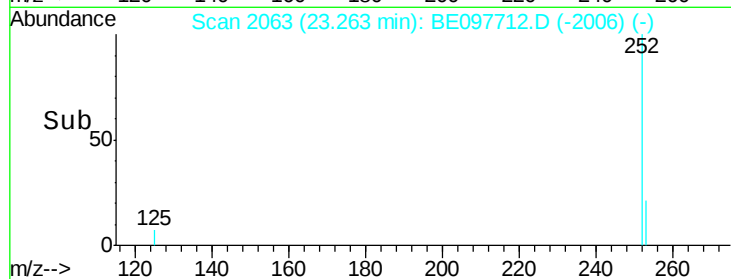
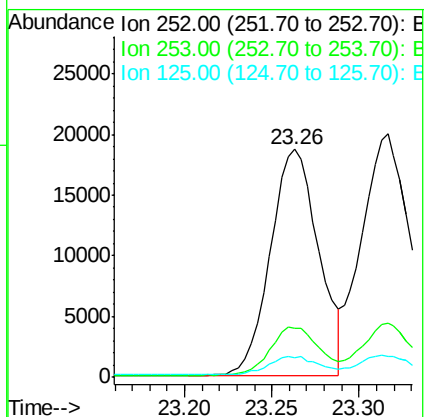
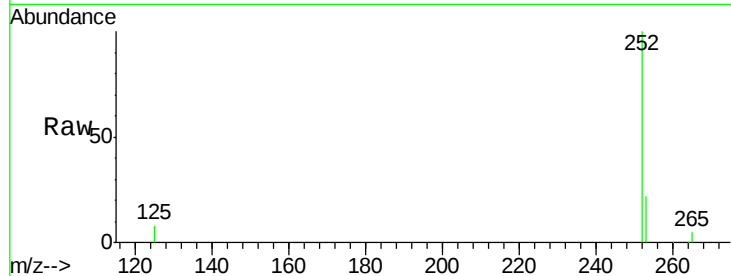
Tgt Ion:252 Resp: 35839

Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

125 8.4 7.8 11.8



#36

Benzo(k)fluoranthene

Concen: 0.365 ng

RT: 23.32 min Scan# 2078

Delta R.T. 0.01 min

Lab File: BE097712.D

Acq: 3 Oct 2018 12:51

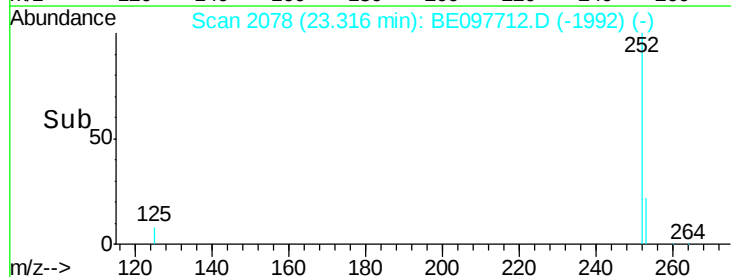
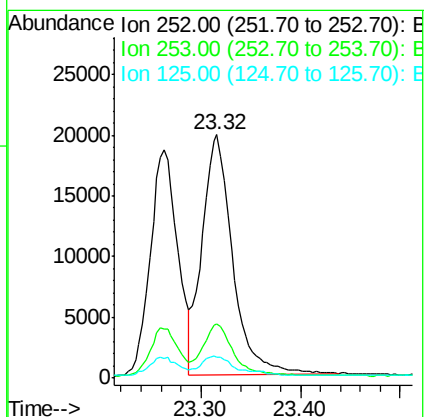
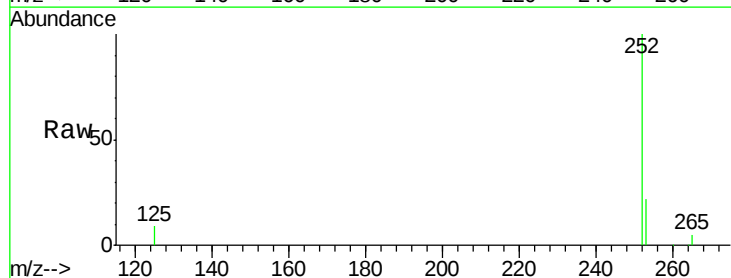
Tgt Ion:252 Resp: 41891

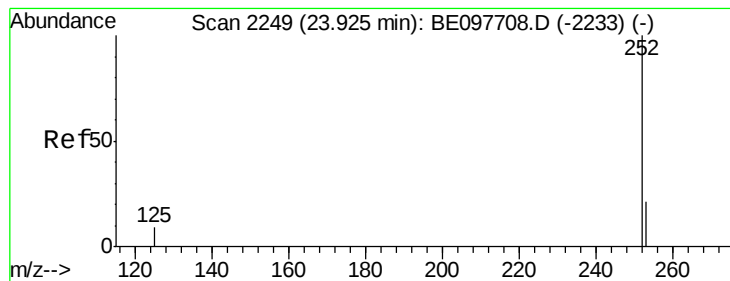
Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

125 8.7 7.5 11.3





#37

Benzo(a)pyrene

Concen: 0.346 ng

RT: 23.93 min Scan# 2251

Delta R.T. 0.01 min

Lab File: BE097712.D

Acq: 3 Oct 2018 12:51

Instrument :

BNA_E

ClientSampleId :

ICVBE100318

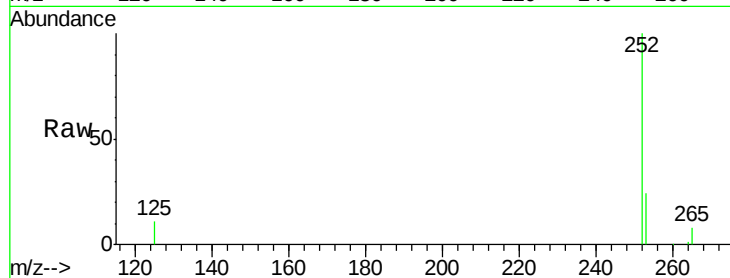
Tgt Ion:252 Resp: 32378

Ion Ratio Lower Upper

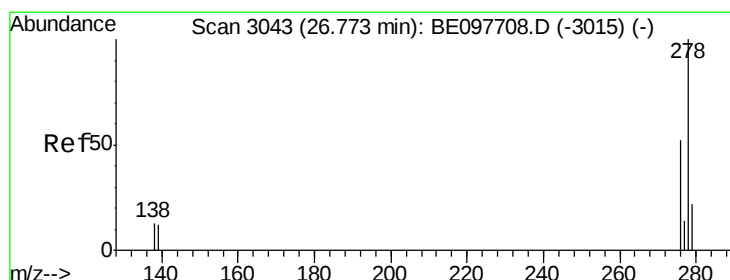
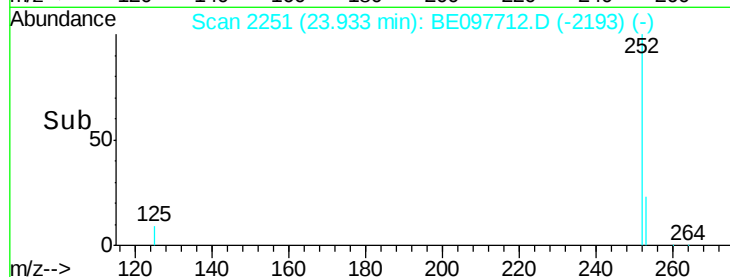
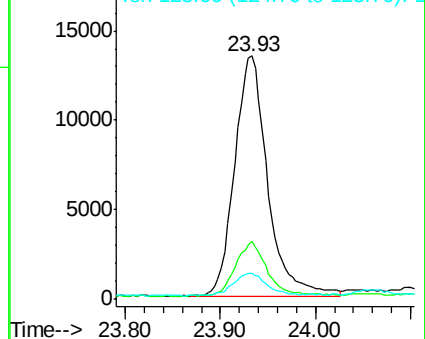
252 100

253 23.8 17.7 26.5

125 10.9 8.3 12.5



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: 0.351 ng

RT: 26.78 min Scan# 3045

Delta R.T. 0.01 min

Lab File: BE097712.D

Acq: 3 Oct 2018 12:51

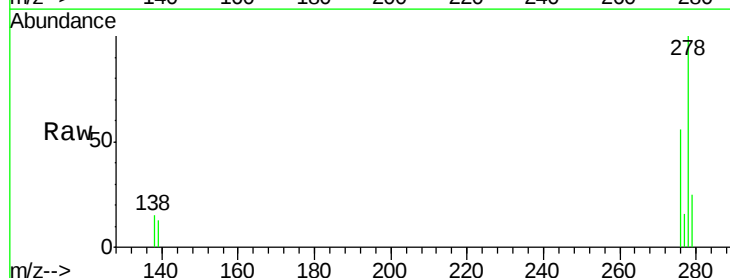
Tgt Ion:278 Resp: 32412

Ion Ratio Lower Upper

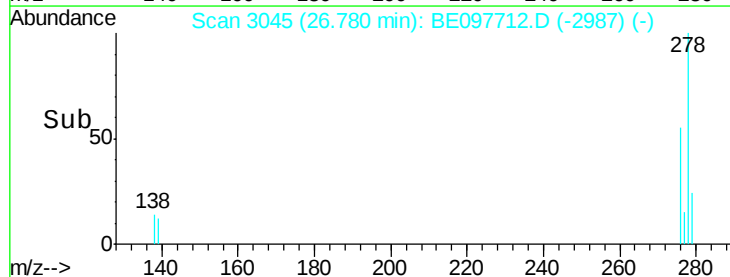
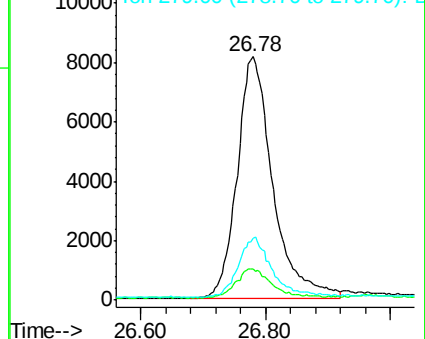
278 100

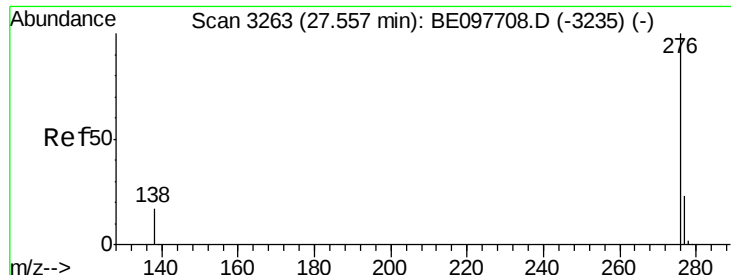
139 12.7 10.3 15.5

279 25.4 18.4 27.6



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(g,h,i)perylene

Concen: 0.363 ng

RT: 27.56 min Scan# 3264

Delta R.T. 0.00 min

Lab File: BE097712.D

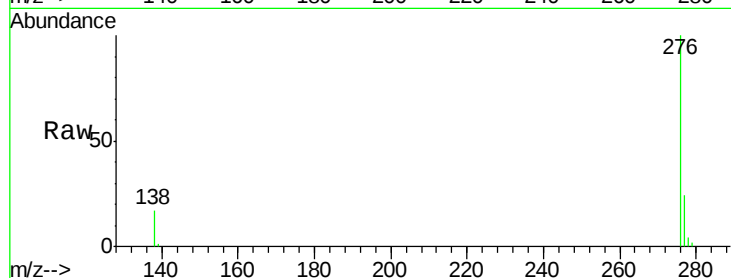
Acq: 3 Oct 2018 12:51

Instrument :

BNA_E

ClientSampleId :

ICVBE100318



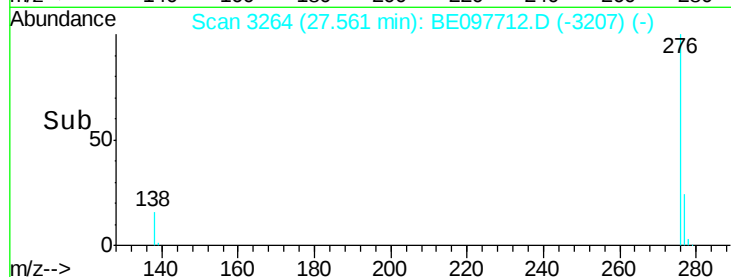
Tgt Ion: 276 Resp: 35063

Ion Ratio Lower Upper

276 100

277 24.5 19.1 28.7

138 16.9 14.2 21.2



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

