

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092418\
 Data File : BE097650.D
 Acq On : 24 Sep 2018 19:13
 Operator : SJ/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE092418

Quant Time: Sep 25 11:58:18 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE092418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 24 18:40:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	840	0.40	ng	0.00
7) Naphthalene-d8	10.13	136	4209	0.40	ng	0.00
13) Acenaphthene-d10	14.00	164	2839	0.40	ng	0.00
19) Phenanthrene-d10	16.75	188	8721	0.40	ng	0.00
27) Chrysene-d12	20.97	240	9403	0.40	ng	0.00
34) Perylene-d12	23.20	264	8867	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.06	112	876	0.40	ng	0.00
5) Phenol-d6	6.61	99	1079	0.35	ng	0.00
8) Nitrobenzene-d5	8.53	82	1110	0.43	ng	0.00
11) 2-Methylnaphthalene-d10	11.72	152	2525	0.41	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	450	0.40	ng	0.00
15) 2-Fluorobiphenyl	12.62	172	3951	0.43	ng	-0.01
25) Fluoranthene-d10	18.80	212	37726	0.40	ng	0.00
29) Terphenyl-d14	19.42	244	7839	0.42	ng	0.00

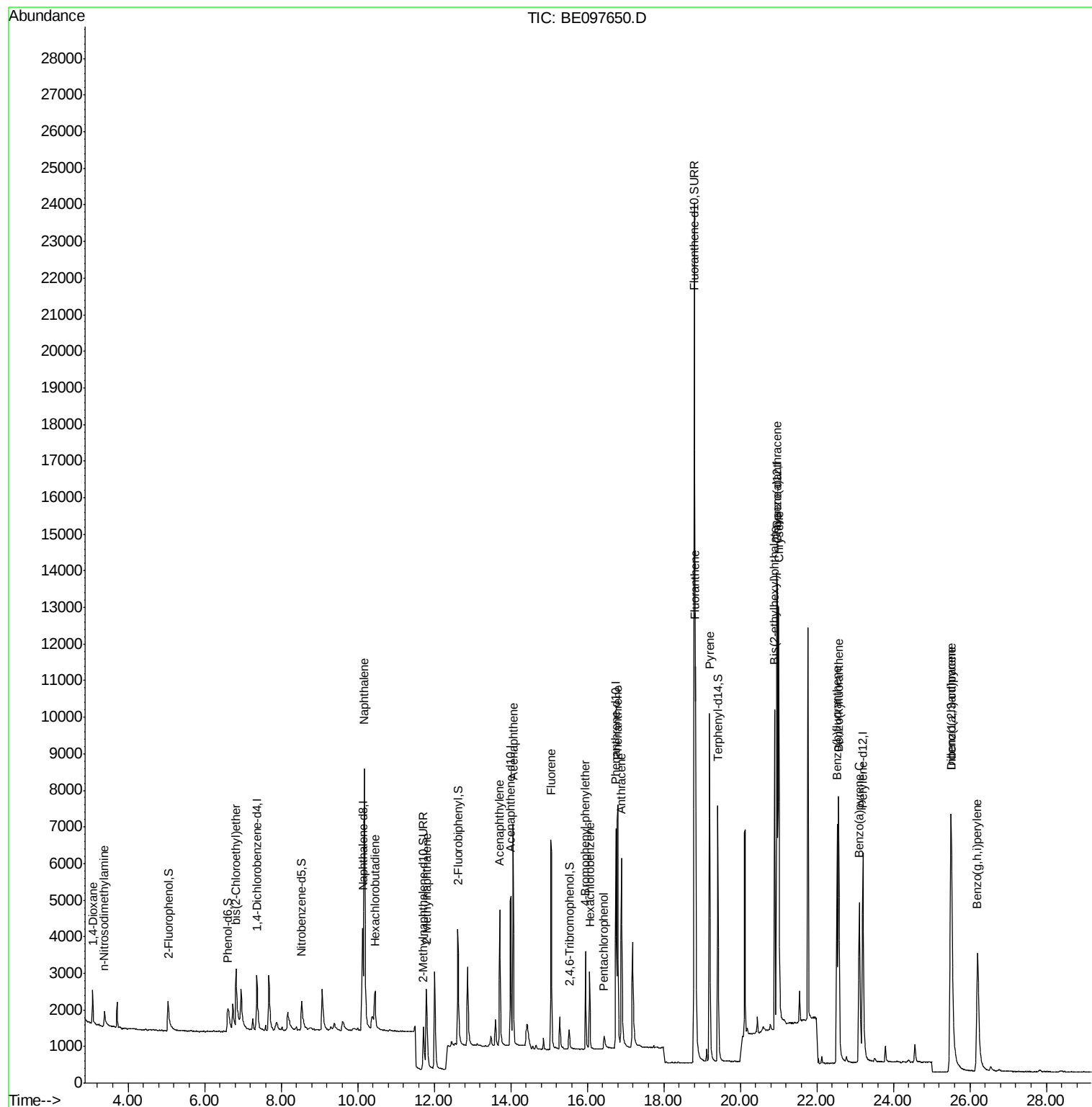
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.07	88	562	0.387	ng	# 82
3) n-Nitrosodimethylamine	3.37	42	379	0.403	ng	# 92
6) bis(2-Chloroethyl)ether	6.83	93	1102	0.423	ng	77
9) Naphthalene	10.17	128	15937	0.417	ng	99
10) Hexachlorobutadiene	10.46	225	713	0.410	ng	97
12) 2-Methylnaphthalene	11.80	142	2583	0.426	ng	97
16) Acenaphthylene	13.71	152	4567	0.400	ng	100
17) Acenaphthene	14.06	154	3131	0.420	ng	96
18) Fluorene	15.05	166	4236	0.404	ng	# 80
20) 4-Bromophenyl-phenylether	15.96	248	1600	0.414	ng	# 84
21) Hexachlorobenzene	16.07	284	1820	0.408	ng	# 86
22) Pentachlorophenol	16.44	266	359	0.419	ng	# 79
23) Phenanthrene	16.80	178	8423	0.408	ng	99
24) Anthracene	16.89	178	6994	0.408	ng	96
26) Fluoranthene	18.83	202	9964	0.403	ng	98
28) Pyrene	19.19	202	10684	0.435	ng	100
30) Benzo(a)anthracene	20.95	228	9005	0.405	ng	97
31) Chrysene	21.00	228	10964	0.422	ng	99
32) Bis(2-ethylhexyl)phthalate	20.89	149	10624	0.419	ng	100
33) Indeno(1,2,3-cd)pyrene	25.50	276	12131	0.443	ng	# 93
35) Benzo(b)fluoranthene	22.53	252	9016	0.398	ng	# 88
36) Benzo(k)fluoranthene	22.58	252	11151	0.416	ng	95
37) Benzo(a)pyrene	23.11	252	9099	0.406	ng	# 92
38) Dibenzo(a,h)anthracene	25.51	278	9943	0.422	ng	# 95
39) Benzo(g,h,i)perylene	26.20	276	9596	0.410	ng	# 89

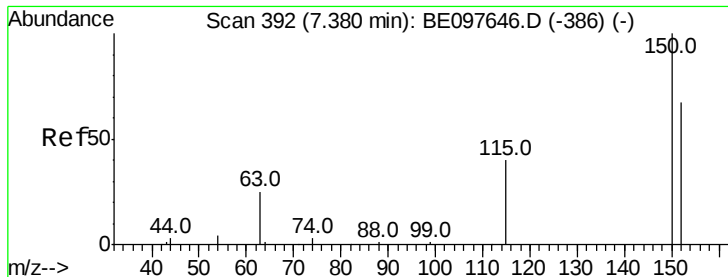
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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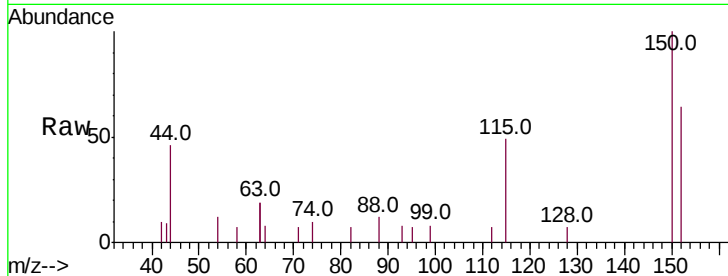


#1

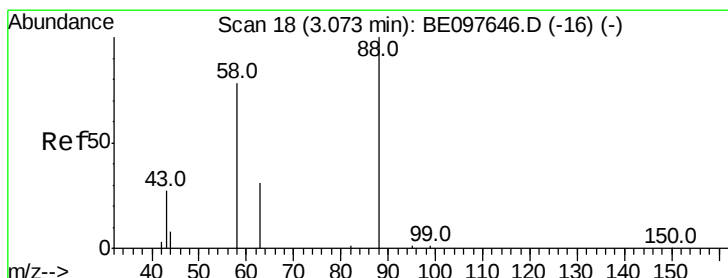
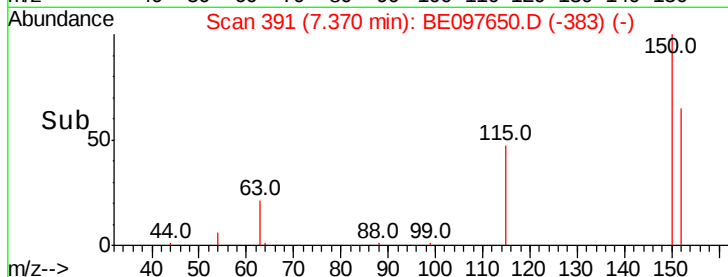
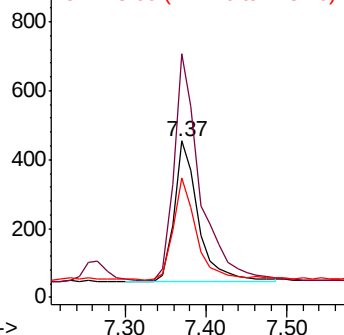
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.37 min Scan# 391
Delta R.T. -0.01 min
Lab File: BE097650.D
Acq: 24 Sep 2018 19:13

Instrument :
BNA_E
ClientSampleId :
ICVBE092418

Tot Ion:152 Resp: 840
Ion Ratio Lower Upper
152 100
150 155.7 117.2 175.8
115 76.7 57.0 85.6



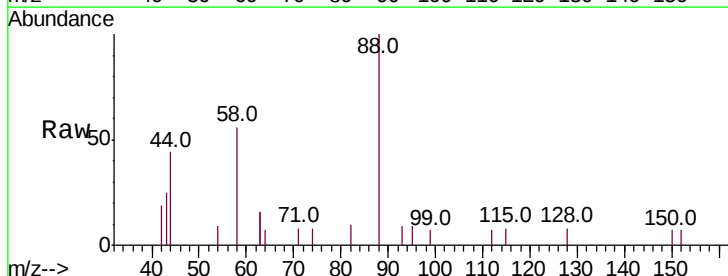
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



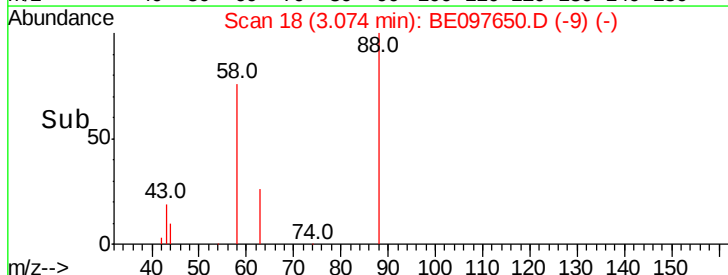
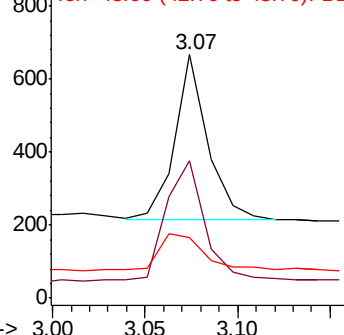
#2

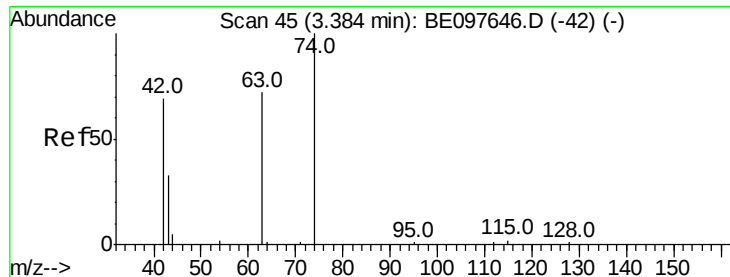
1,4-Dioxane
Concen: 0.387 ng
RT: 3.07 min Scan# 18
Delta R.T. 0.00 min
Lab File: BE097650.D
Acq: 24 Sep 2018 19:13

Tgt Ion: 88 Resp: 562
Ion Ratio Lower Upper
88 100
58 87.2 63.2 94.8
43 30.4 41.2 61.8#



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: 0.403 ng

RT: 3.37 min Scan# 44

Delta R.T. -0.01 min

Lab File: BE097650.D

Acq: 24 Sep 2018 19:13

Instrument :

BNA_E

ClientSampleId :

ICVBE092418

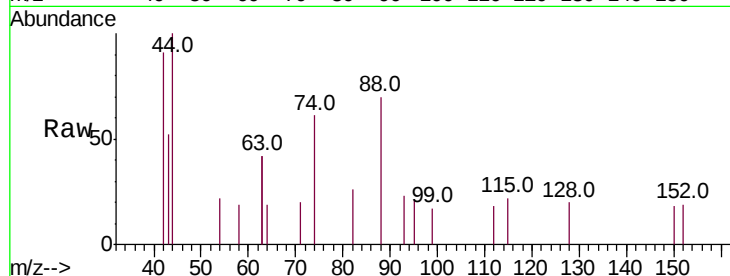
Tot Ion: 42 Resp: 379

Ion Ratio Lower Upper

42 100

74 127.7 96.0 144.0

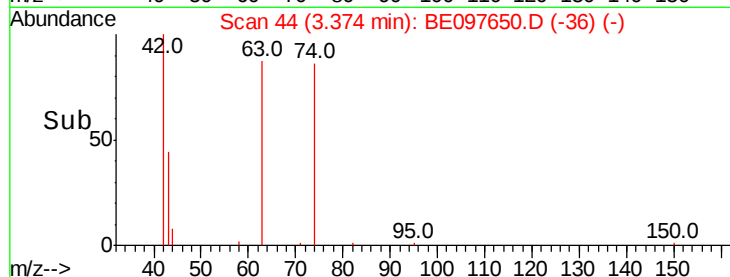
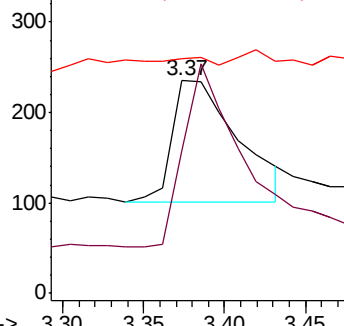
44 6.3 12.0 18.0#



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: 0.396 ng

RT: 5.06 min Scan# 190

Delta R.T. 0.00 min

Lab File: BE097650.D

Acq: 24 Sep 2018 19:13

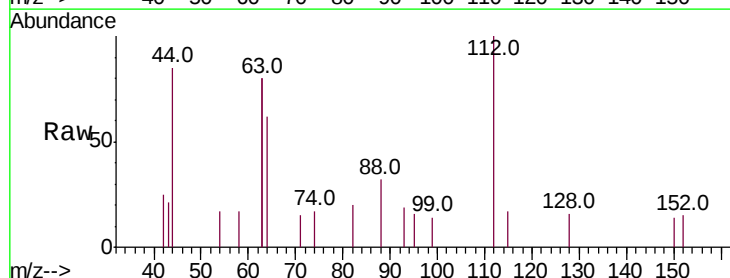
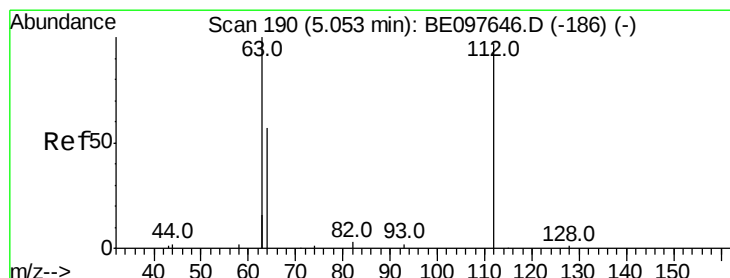
Tgt Ion: 112 Resp: 876

Ion Ratio Lower Upper

112 100

64 64.3 60.1 90.1

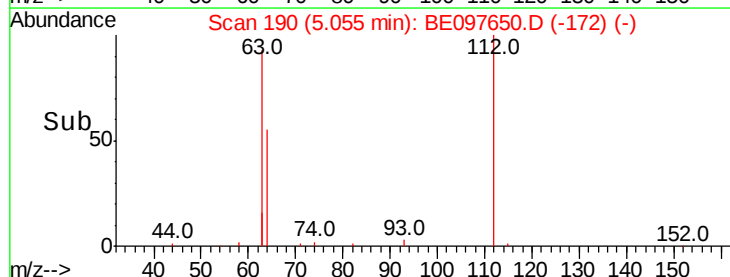
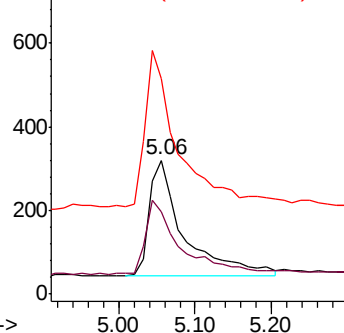
63 129.9 116.8 175.2

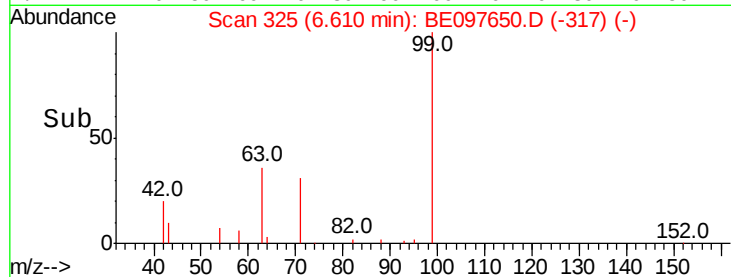
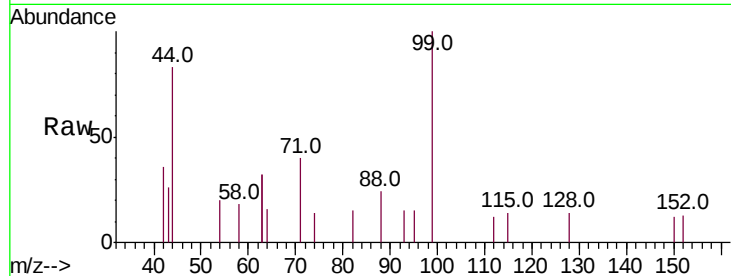
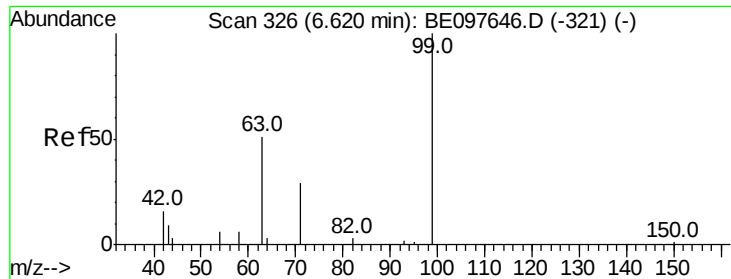


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.346 ng

RT: 6.61 min Scan# 325

Delta R.T. -0.01 min

Lab File: BE097650.D

Acq: 24 Sep 2018 19:13

Instrument :

BNA_E

ClientSampleId :

ICVBE092418

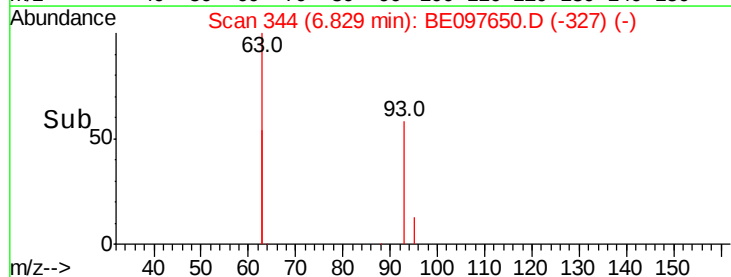
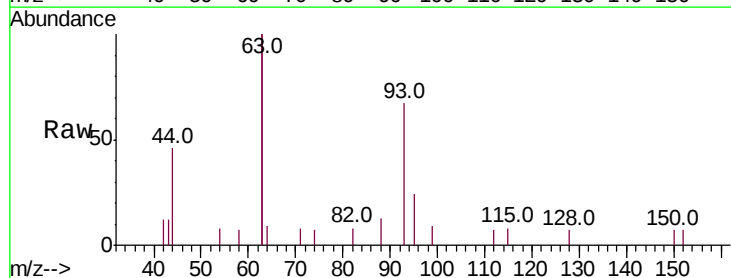
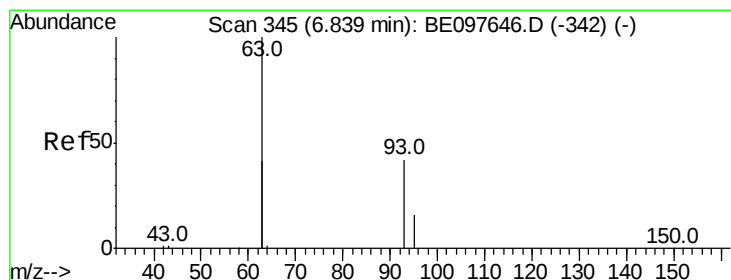
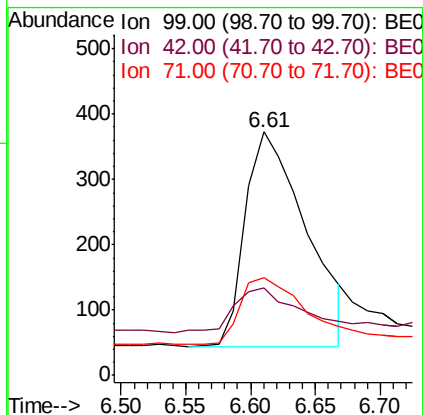
Tot Ion: 99 Resp: 1079

Ion Ratio Lower Upper

99 100

42 21.9 20.2 30.2

71 32.6 28.4 42.6



#6

bis(2-Chloroethyl)ether

Concen: 0.423 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE097650.D

Acq: 24 Sep 2018 19:13

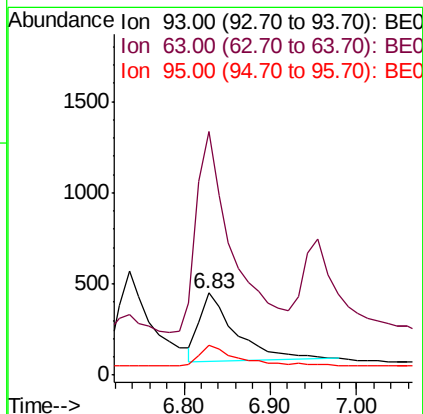
Tgt Ion: 93 Resp: 1102

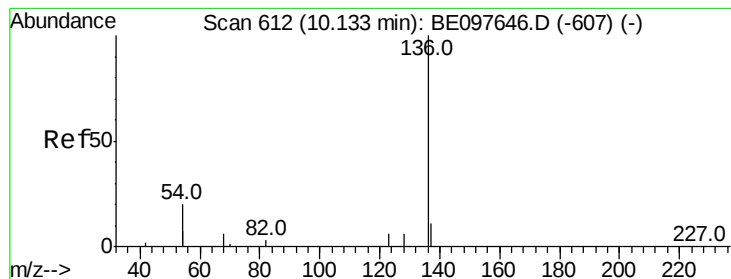
Ion Ratio Lower Upper

93 100

63 289.6 275.3 412.9

95 30.1 25.2 37.8





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.13 min Scan# 612

Delta R.T. -0.00 min

Lab File: BE097650.D

Acq: 24 Sep 2018 19:13

Instrument :

BNA_E

ClientSampleId :

ICVBE092418

Tot Ion:136 Resp: 4209

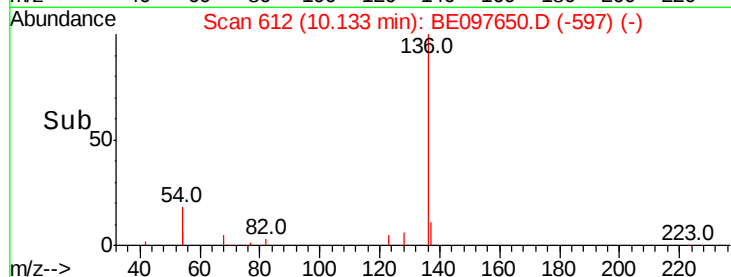
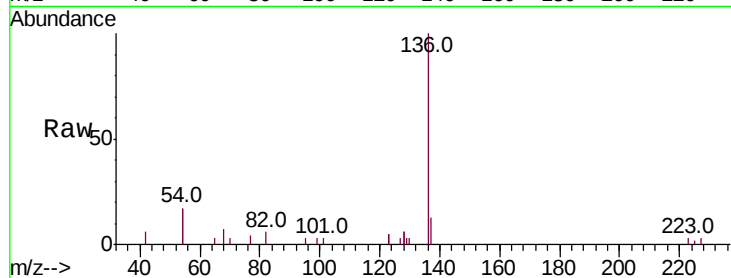
Ion Ratio Lower Upper

136 100

137 12.9 9.5 14.3

54 34.3 29.1 43.7

68 7.2 6.2 9.2

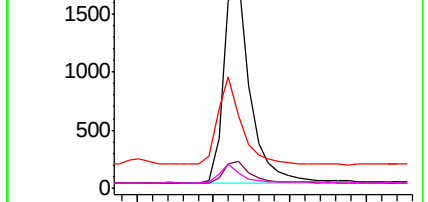


Abundance Ion 136.00 (135.70 to 136.70): E

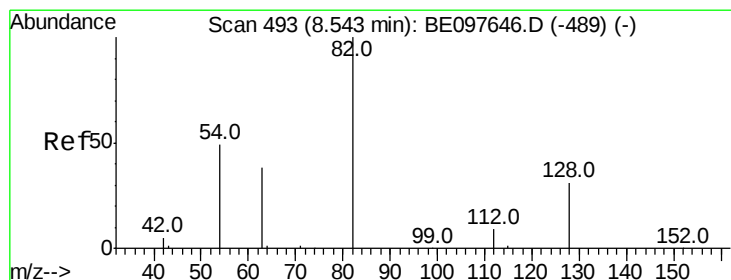
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time-->



#8

Nitrobenzene-d5

Concen: 0.427 ng

RT: 8.53 min Scan# 492

Delta R.T. -0.01 min

Lab File: BE097650.D

Acq: 24 Sep 2018 19:13

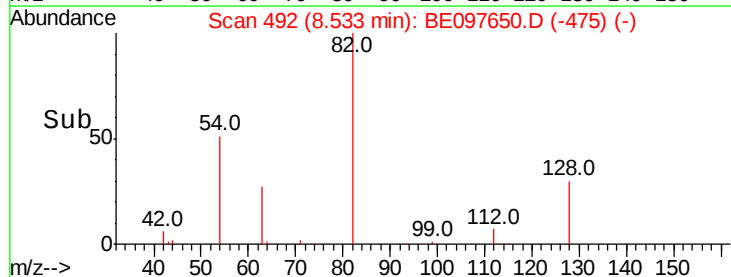
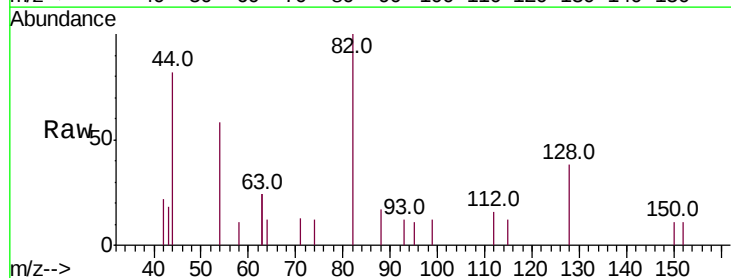
Tgt Ion: 82 Resp: 1110

Ion Ratio Lower Upper

82 100

128 38.0 24.0 36.0#

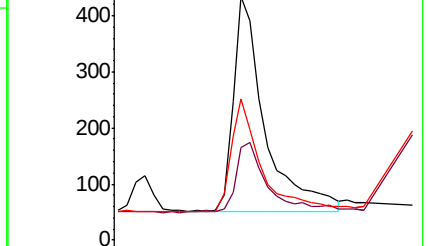
54 57.8 40.0 60.0



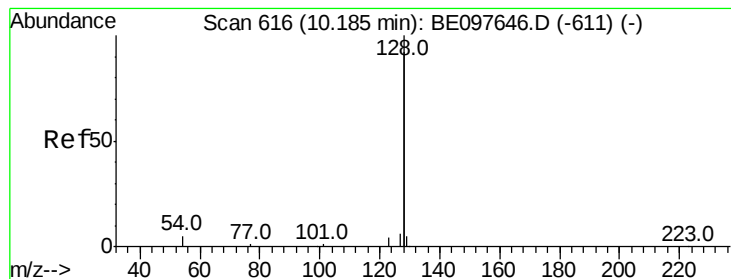
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



Time-->



#9

Naphthalene

Concen: 0.417 ng

RT: 10.17 min Scan# 615

Delta R.T. -0.01 min

Lab File: BE097650.D

Acq: 24 Sep 2018 19:13

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BNA_E

ClientSampleId :

ICVBE092418

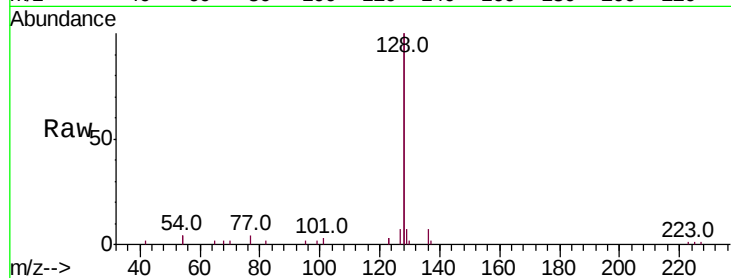
Tot Ion:128 Resp: 15937

Ion Ratio Lower Upper

128 100

129 3.4 2.6 3.8

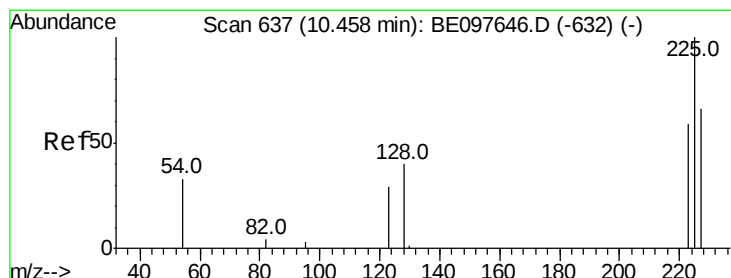
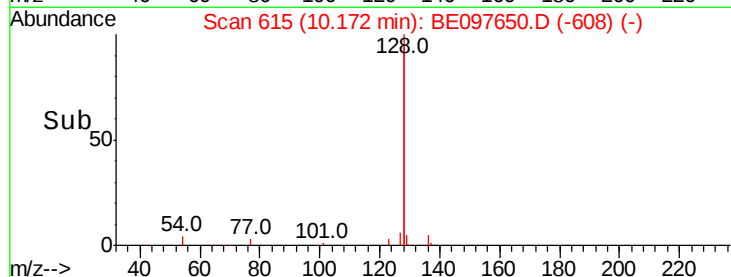
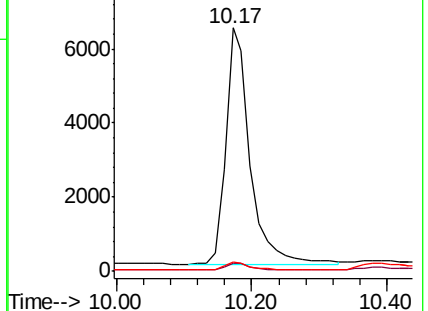
127 3.7 2.8 4.2



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: 0.410 ng

RT: 10.46 min Scan# 637

Delta R.T. -0.00 min

Lab File: BE097650.D

Acq: 24 Sep 2018 19:13

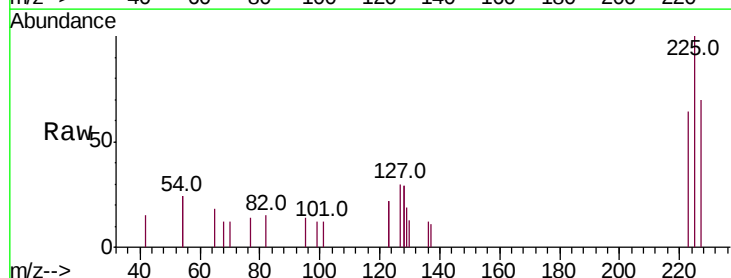
Tgt Ion:225 Resp: 713

Ion Ratio Lower Upper

225 100

223 62.6 53.0 79.6

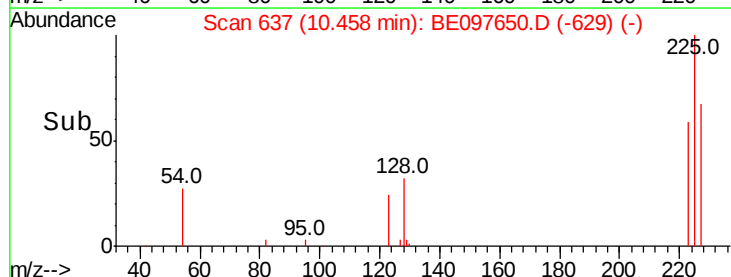
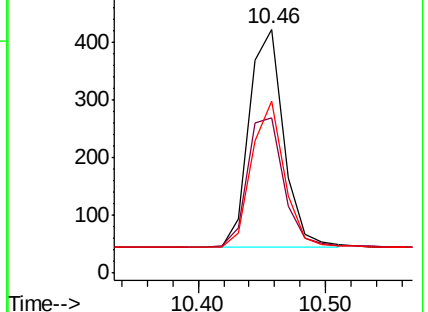
227 63.7 51.4 77.2

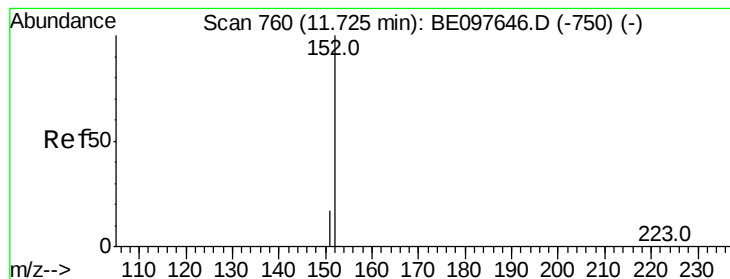


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.405 ng

RT: 11.72 min Scan# 759

Delta R.T. -0.00 min

Lab File: BE097650.D

Acq: 24 Sep 2018 19:13

Instrument :

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ClientSampleId :

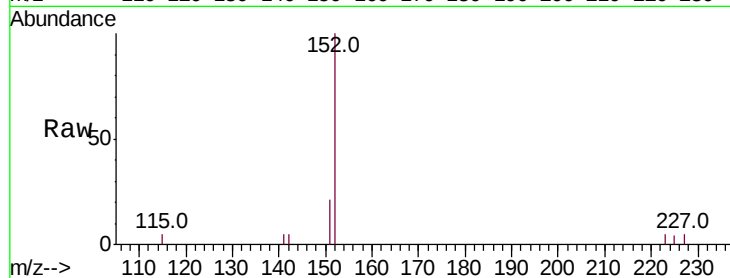
ICVBE092418

Tot Ion:152 Resp: 2525

Ion Ratio Lower Upper

152 100

151 18.7 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

1200

1000

800

600

400

200

0

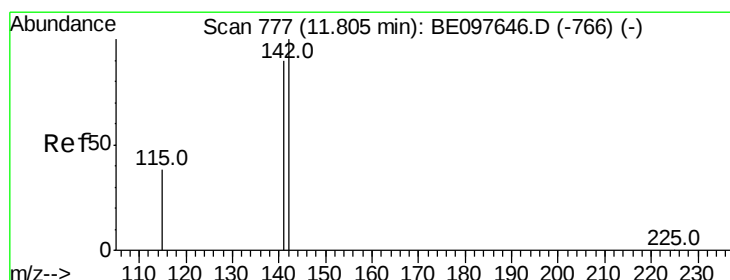
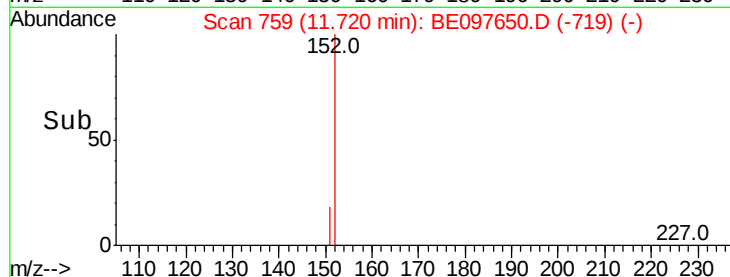
11.60

11.70

11.80

11.90

Time-->



#12

2-Methylnaphthalene

Concen: 0.426 ng

RT: 11.80 min Scan# 775

Delta R.T. -0.01 min

Lab File: BE097650.D

Acq: 24 Sep 2018 19:13

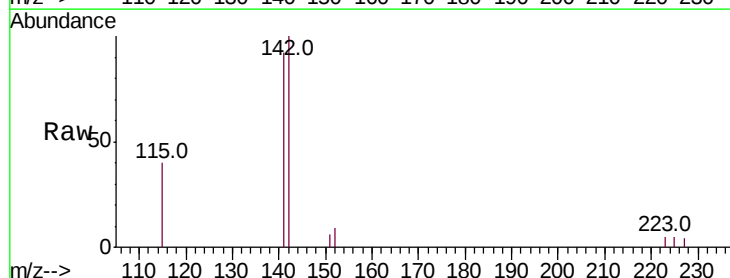
Tgt Ion:142 Resp: 2583

Ion Ratio Lower Upper

142 100

141 91.7 70.4 105.6

115 40.4 31.7 47.5



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

1000

500

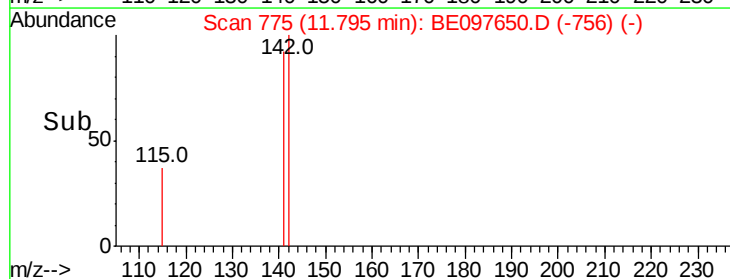
0

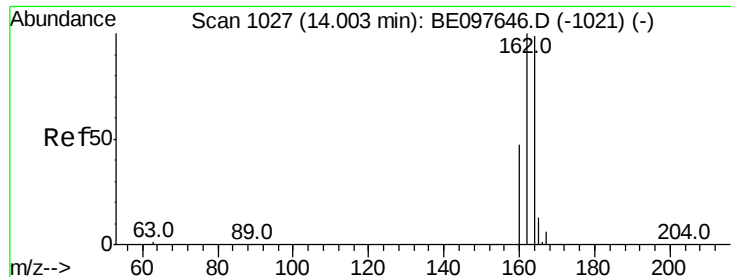
11.70

11.80

11.90

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.00 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BE097650.D

Acq: 24 Sep 2018 19:13

Instrument :

BNA_E

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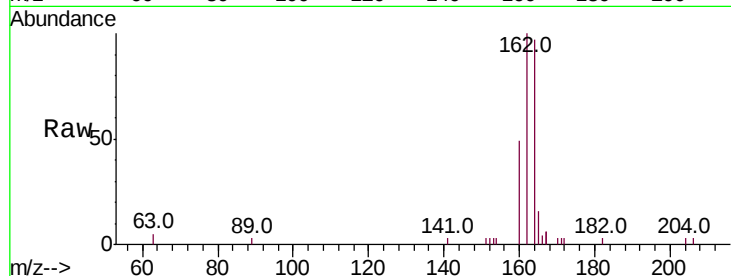
Tot Ion:164 Resp: 2839

Ion Ratio Lower Upper

164 100

162 103.5 83.1 124.7

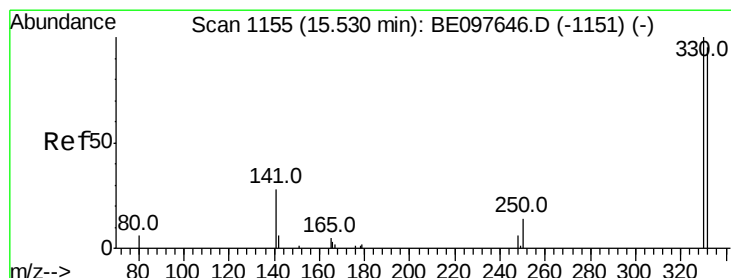
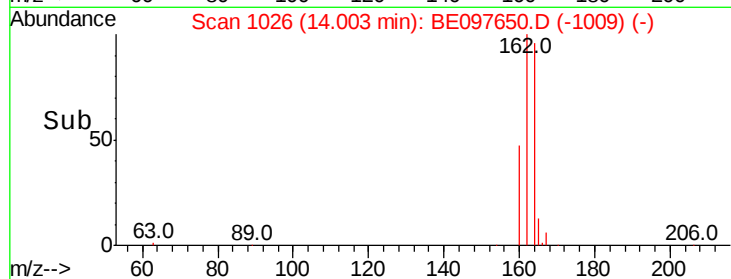
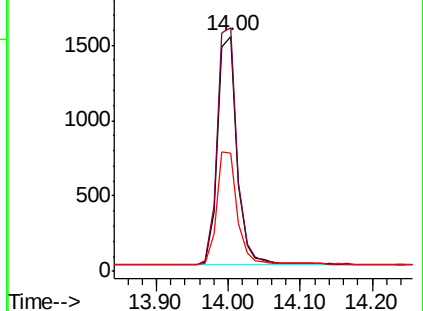
160 50.4 37.1 55.7



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: 0.397 ng

RT: 15.53 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BE097650.D

Acq: 24 Sep 2018 19:13

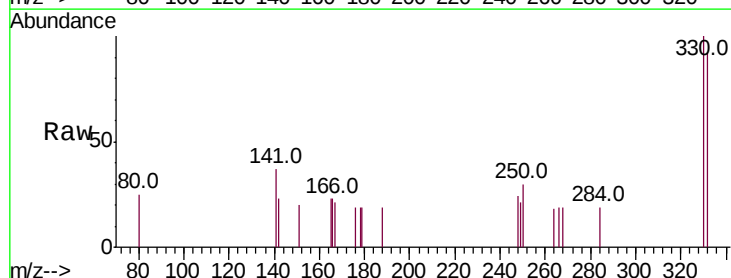
Tgt Ion:330 Resp: 450

Ion Ratio Lower Upper

330 100

332 93.8 152.7 229.1#

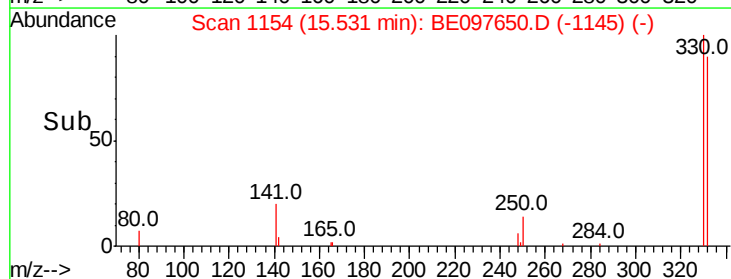
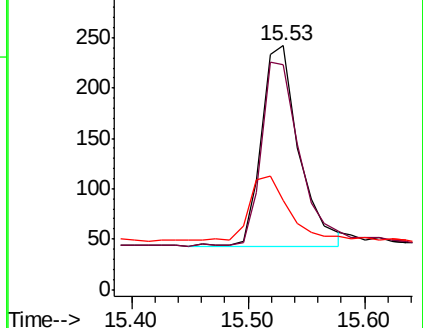
141 32.2 33.7 50.5#

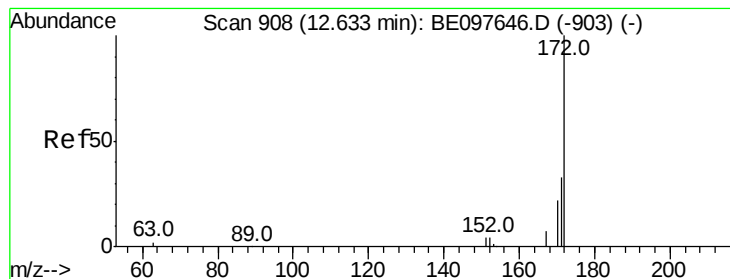


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.426 ng

RT: 12.62 min Scan# 906

Delta R.T. -0.01 min

Lab File: BE097650.D

Acq: 24 Sep 2018 19:13

Instrument :

BNA_E

ClientSampleId :

ICVBE092418

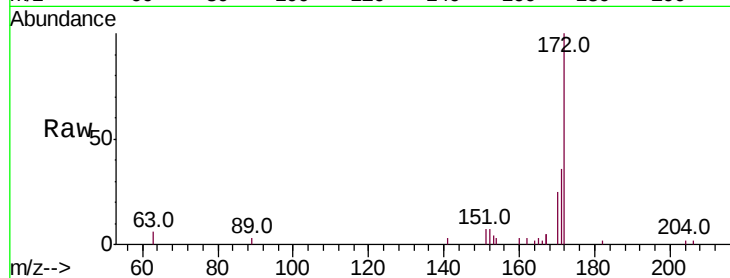
Tot Ion:172 Resp: 3951

Ion Ratio Lower Upper

172 100

171 35.8 29.9 44.9

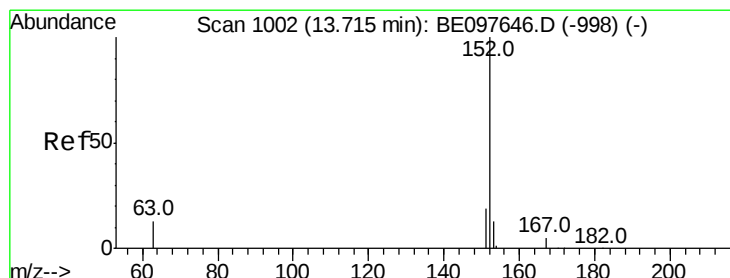
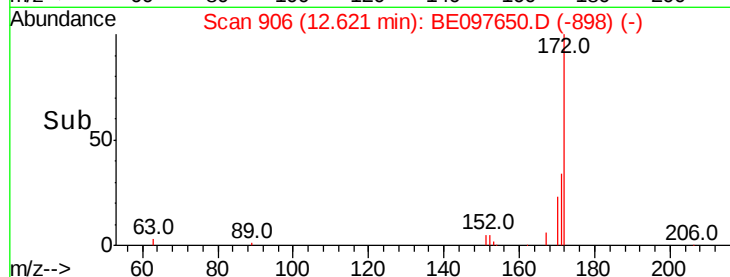
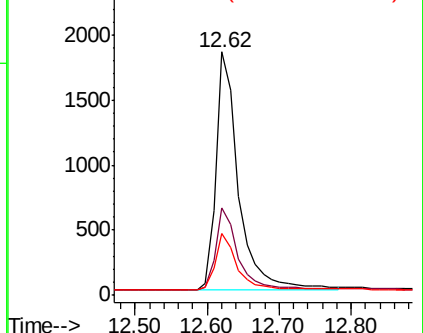
170 25.3 21.8 32.8



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: 0.400 ng

RT: 13.71 min Scan# 1001

Delta R.T. -0.00 min

Lab File: BE097650.D

Acq: 24 Sep 2018 19:13

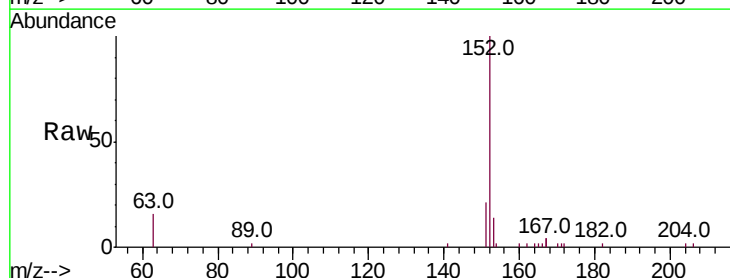
Tgt Ion:152 Resp: 4567

Ion Ratio Lower Upper

152 100

151 19.5 15.7 23.5

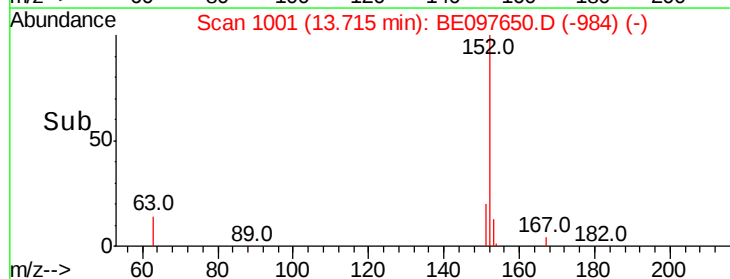
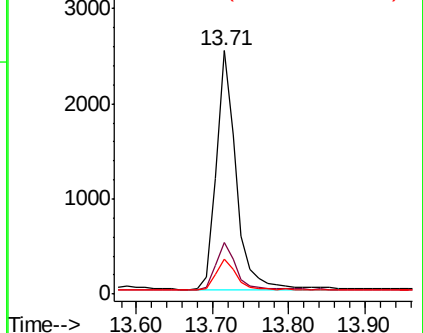
153 13.1 10.5 15.7

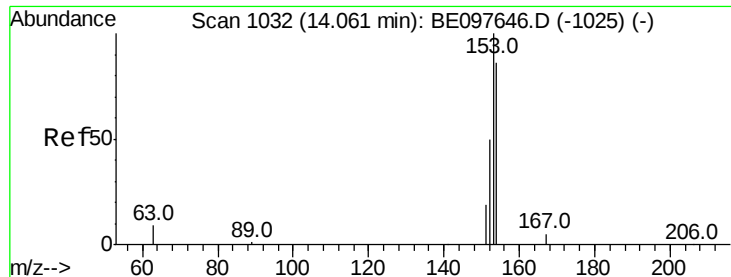


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.420 ng

RT: 14.06 min Scan# 1031

Delta R.T. -0.00 min

Lab File: BE097650.D

Acq: 24 Sep 2018 19:13

Instrument :

BNA_E

ClientSampleId :

ICVBE092418

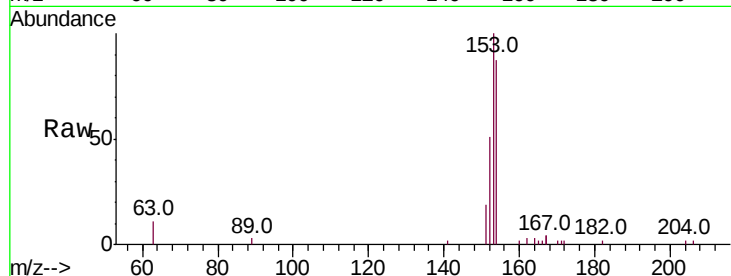
Tot Ion:154 Resp: 3131

Ion Ratio Lower Upper

154 100

153 114.1 89.2 133.8

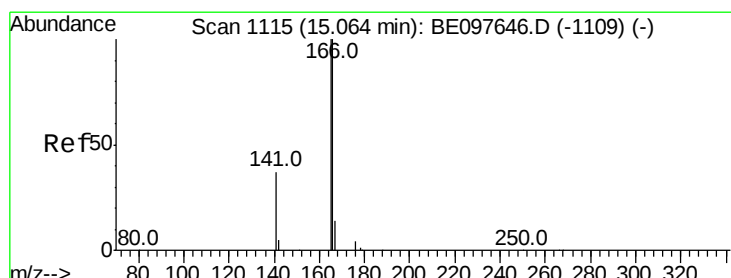
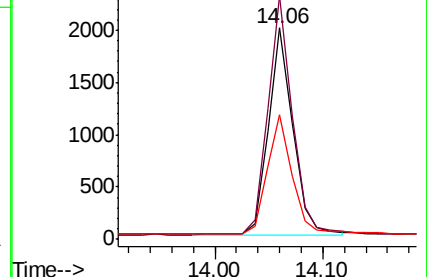
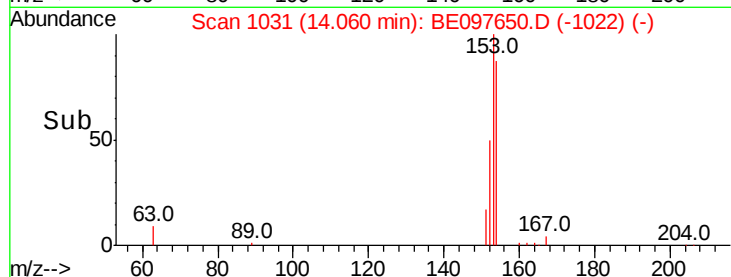
152 57.1 42.0 63.0



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: 0.404 ng

RT: 15.05 min Scan# 1113

Delta R.T. -0.01 min

Lab File: BE097650.D

Acq: 24 Sep 2018 19:13

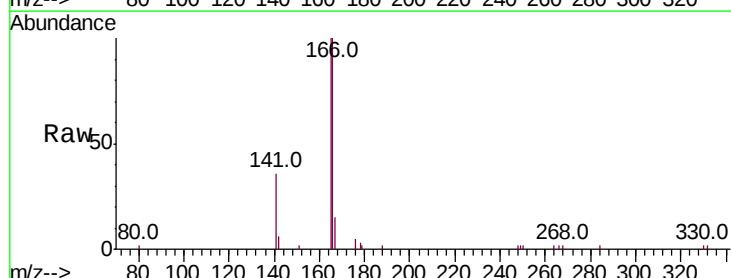
Tgt Ion:166 Resp: 4236

Ion Ratio Lower Upper

166 100

165 97.9 77.8 116.6

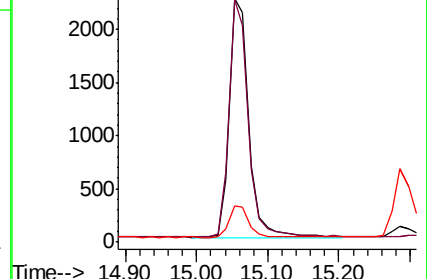
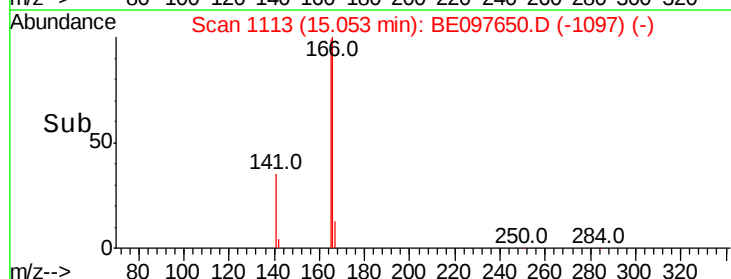
167 13.2 42.4 63.6#

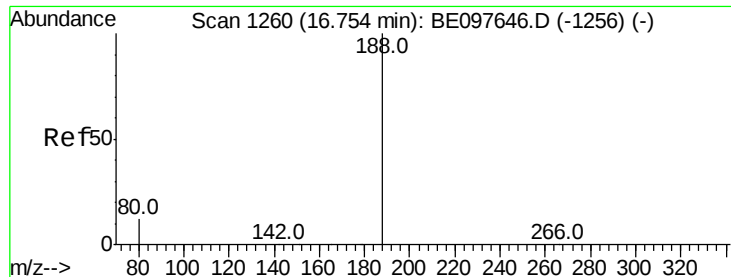


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.75 min Scan# 1259

Delta R.T. 0.00 min

Lab File: BE097650.D

Acq: 24 Sep 2018 19:13

Instrument :

BNA_E

ClientSampleId :

ICVBE092418

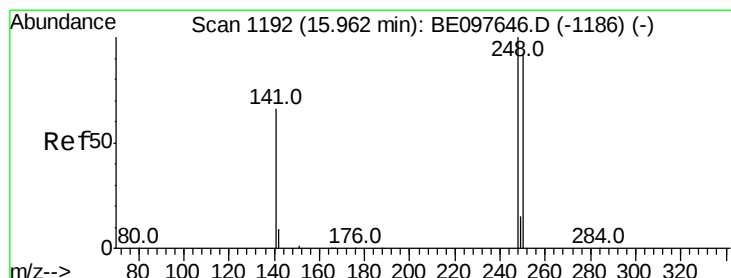
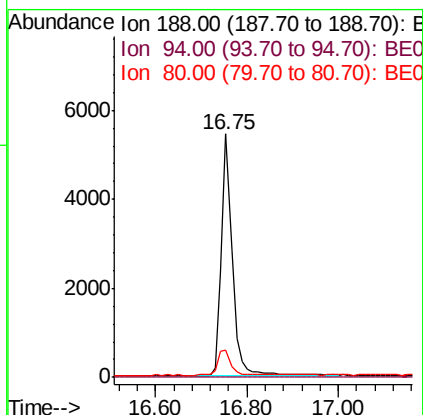
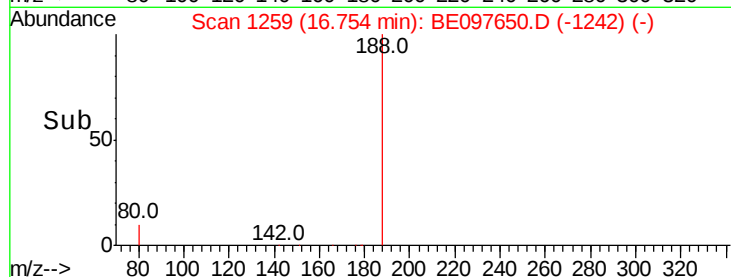
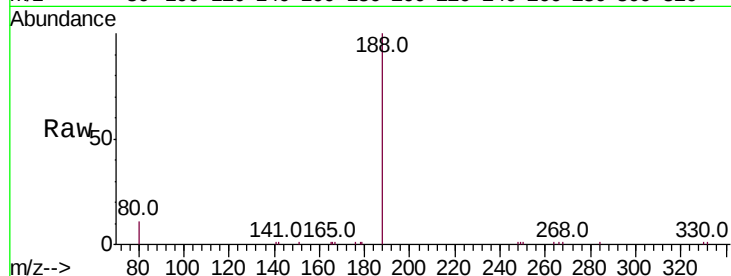
Tot Ion:188 Resp: 8721

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 11.1 3.6 5.4#



#20

4-Bromophenyl-phenylether

Concen: 0.414 ng

RT: 15.96 min Scan# 1191

Delta R.T. 0.00 min

Lab File: BE097650.D

Acq: 24 Sep 2018 19:13

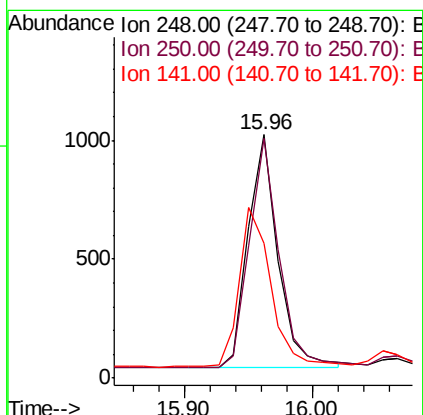
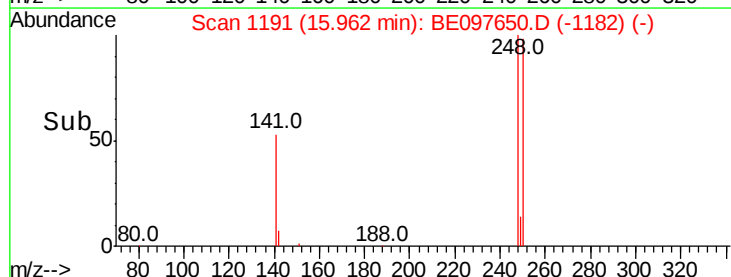
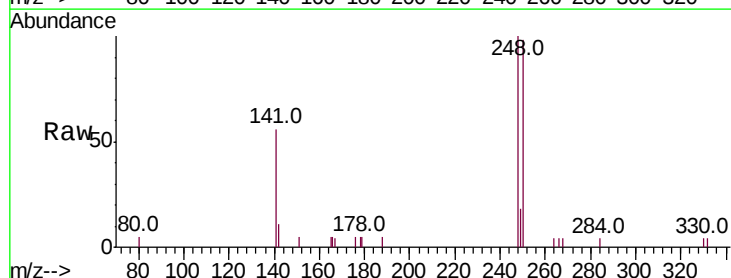
Tgt Ion:248 Resp: 1600

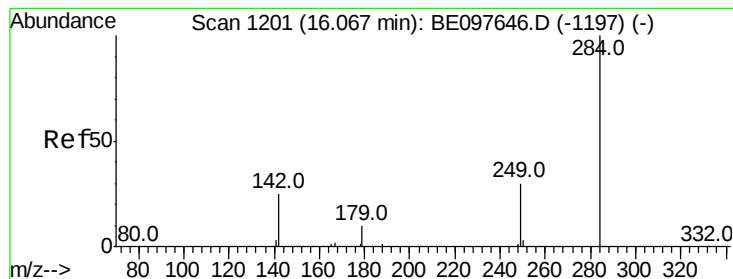
Ion Ratio Lower Upper

248 100

250 98.3 62.7 94.1#

141 55.6 48.2 72.2





#21

Hexachlorobenzene

Concen: 0.408 ng

RT: 16.07 min Scan# 1200

Delta R.T. 0.00 min

Lab File: BE097650.D

Acq: 24 Sep 2018 19:13

Instrument :

BNA_E

ClientSampleId :

ICVBE092418

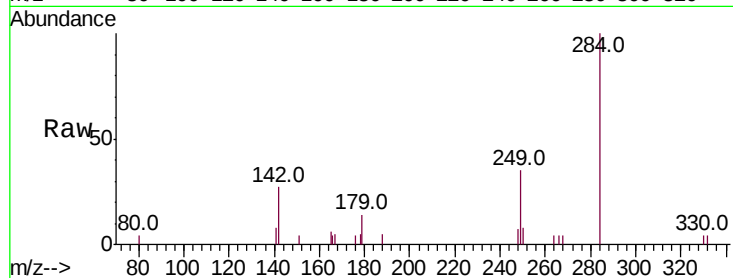
Tot Ion:284 Resp: 1820

Ion Ratio Lower Upper

284 100

142 31.4 22.1 33.1

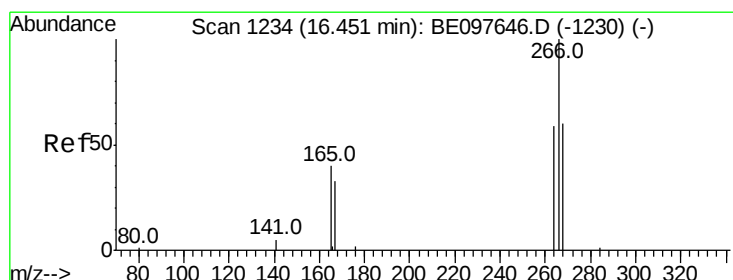
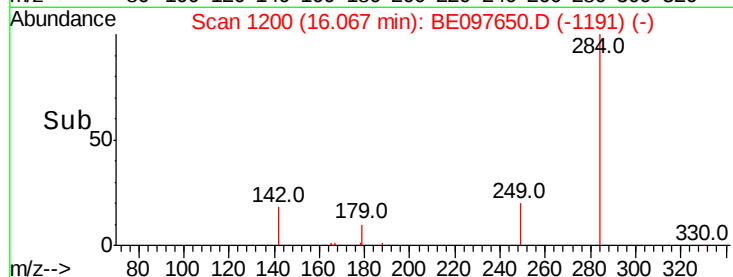
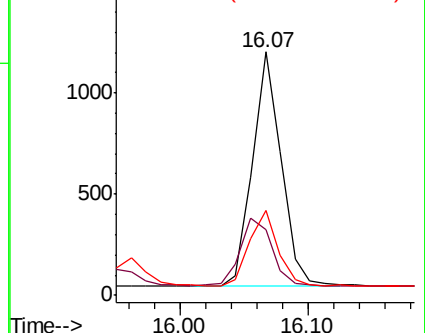
249 31.3 34.8 52.2#



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: 0.419 ng

RT: 16.44 min Scan# 1232

Delta R.T. -0.01 min

Lab File: BE097650.D

Acq: 24 Sep 2018 19:13

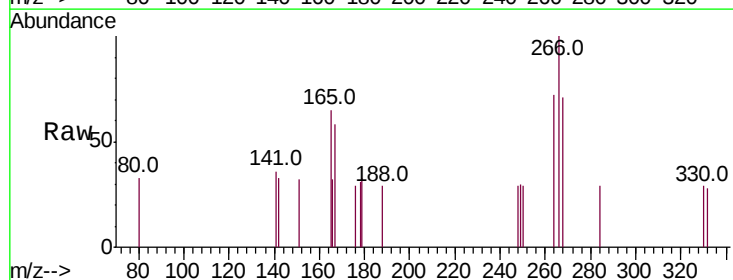
Tgt Ion:266 Resp: 359

Ion Ratio Lower Upper

266 100

264 72.4 72.5 108.7#

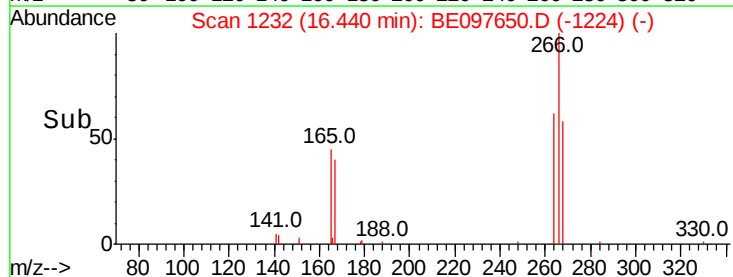
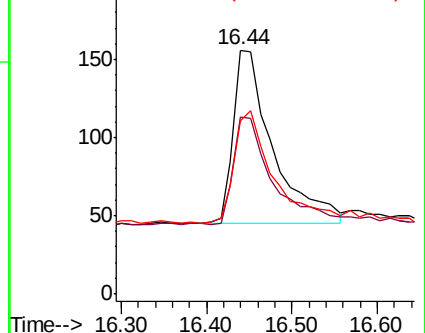
268 71.2 73.8 110.6#

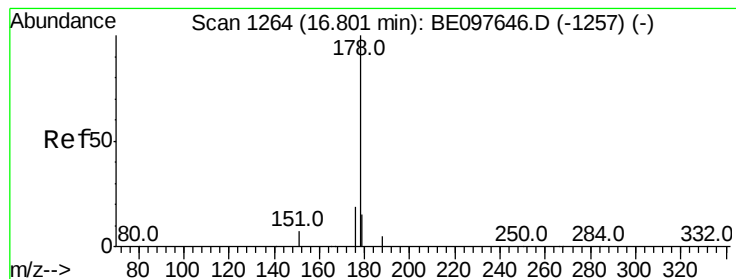


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.408 ng

RT: 16.80 min Scan# 1263

Delta R.T. 0.00 min

Lab File: BE097650.D

Acq: 24 Sep 2018 19:13

Instrument :

BNA_E

ClientSampleId :

ICVBE092418

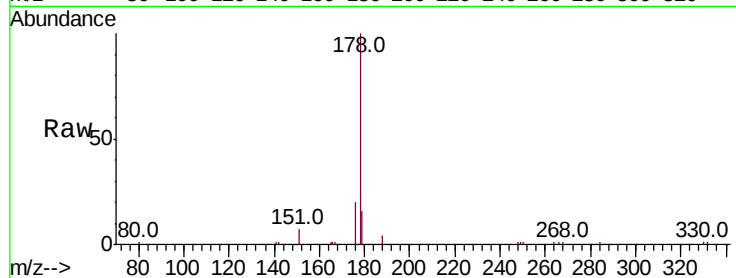
Tot Ion:178 Resp: 8423

Ion Ratio Lower Upper

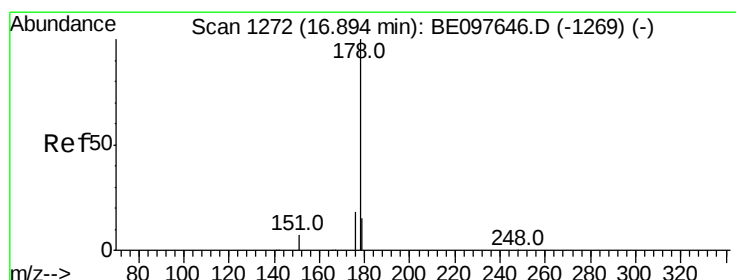
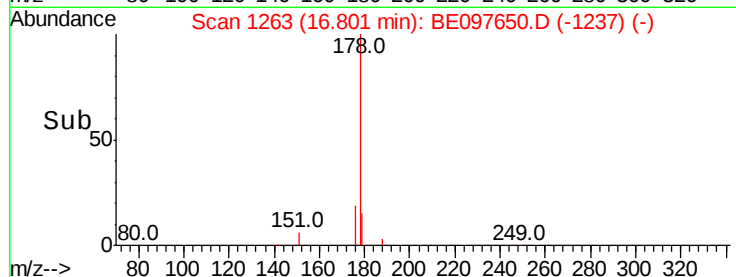
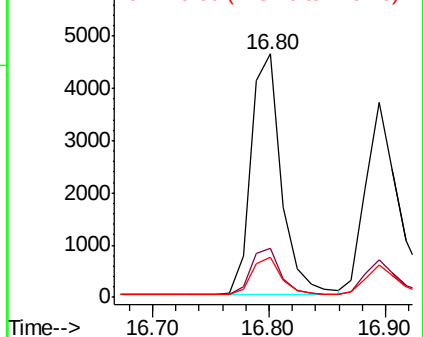
178 100

176 19.3 15.1 22.7

179 15.5 11.8 17.6



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: 0.408 ng

RT: 16.89 min Scan# 1271

Delta R.T. 0.00 min

Lab File: BE097650.D

Acq: 24 Sep 2018 19:13

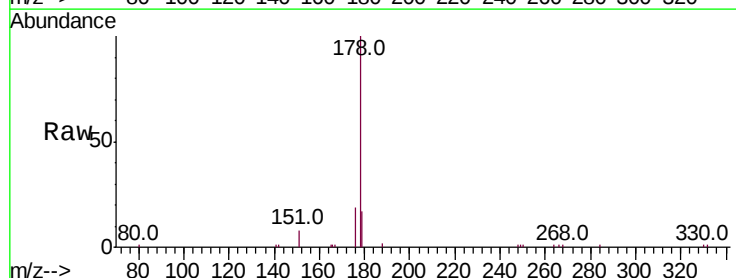
Tgt Ion:178 Resp: 6994

Ion Ratio Lower Upper

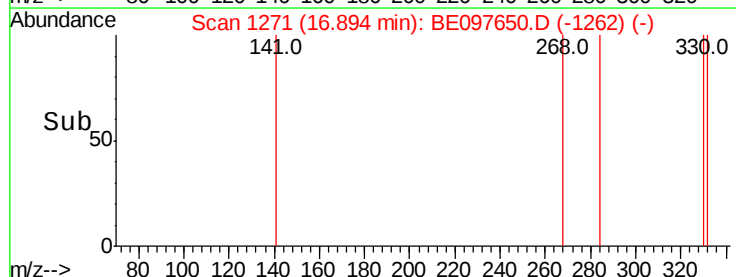
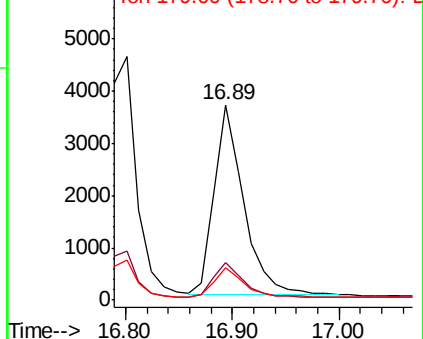
178 100

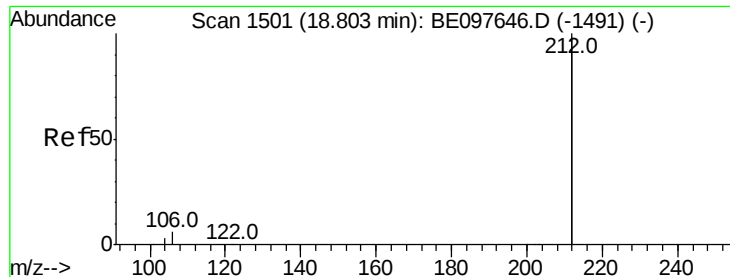
176 18.2 12.8 19.2

179 15.3 13.0 19.6



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: 0.397 ng

RT: 18.80 min Scan# 1500

Delta R.T. -0.00 min

Lab File: BE097650.D

Acq: 24 Sep 2018 19:13

Instrument :

BNA_E

ClientSampleId :

ICVBE092418

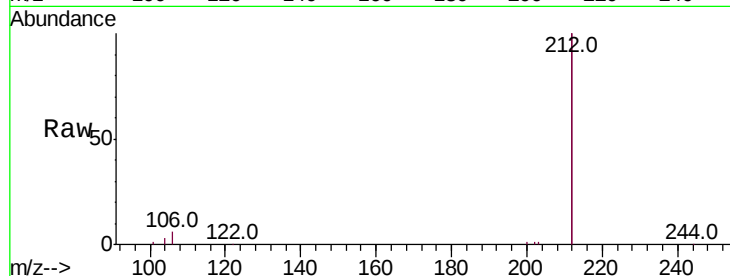
Tot Ion:212 Resp: 37726

Ion Ratio Lower Upper

212 100

106 3.2 2.8 4.2

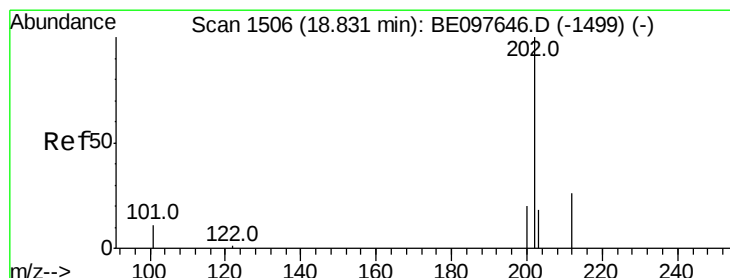
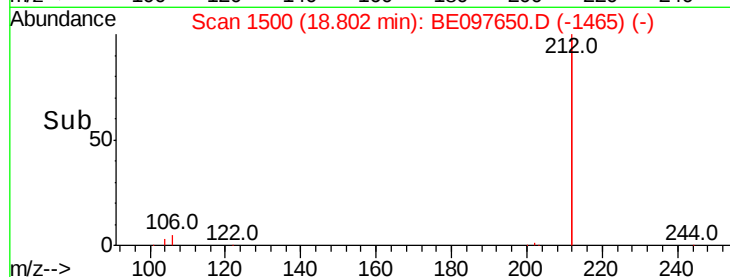
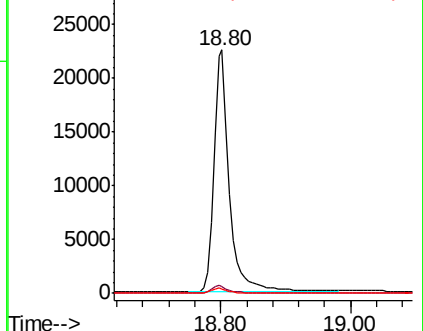
104 1.7 1.6 2.4



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: 0.403 ng

RT: 18.83 min Scan# 1505

Delta R.T. -0.00 min

Lab File: BE097650.D

Acq: 24 Sep 2018 19:13

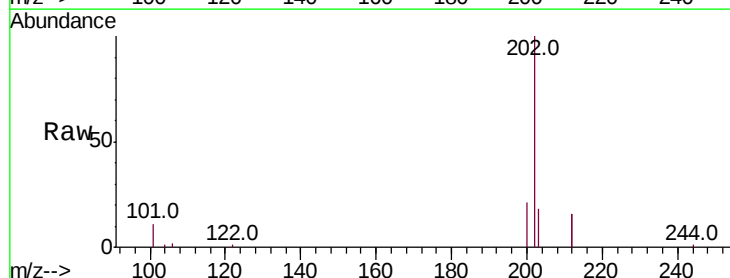
Tgt Ion:202 Resp: 9964

Ion Ratio Lower Upper

202 100

101 11.0 9.8 14.8

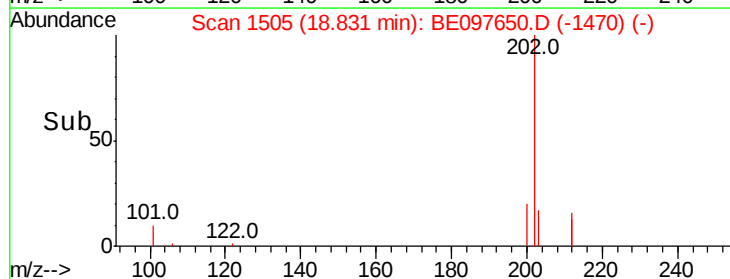
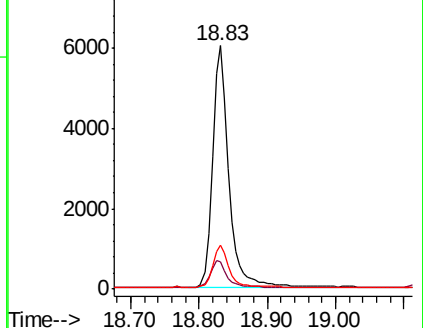
203 16.9 13.7 20.5

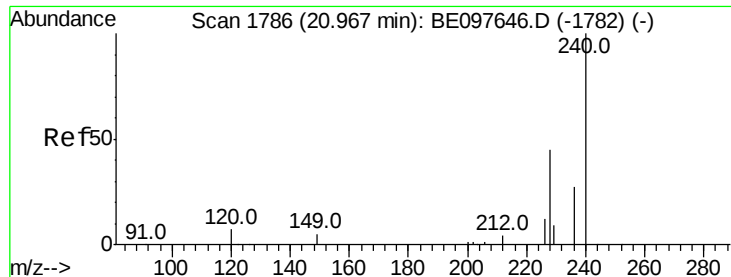


Abundance Ion 202.00 (201.70 to 202.70): E

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: 20.97 min Scan# 1785

Delta R.T. -0.00 min

Lab File: BE097650.D

Acq: 24 Sep 2018 19:13

Instrument :

BNA_E

ClientSampleId :

ICVBE092418

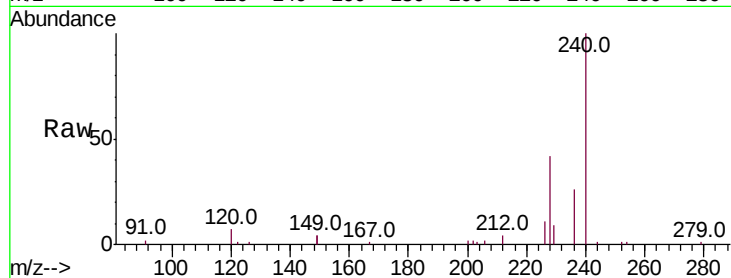
Tot Ion:240 Resp: 9403

Ion Ratio Lower Upper

240 100

120 6.9 5.5 8.3

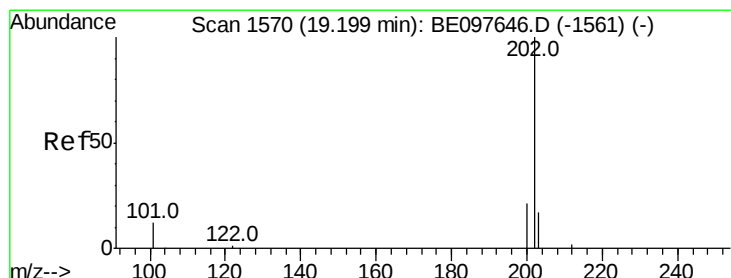
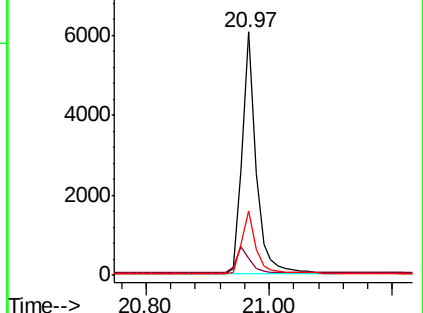
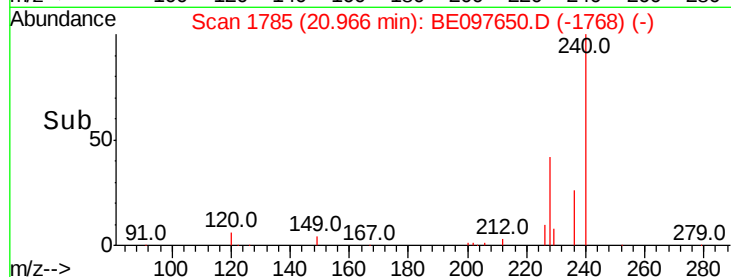
236 26.5 20.7 31.1



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: 0.435 ng

RT: 19.19 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BE097650.D

Acq: 24 Sep 2018 19:13

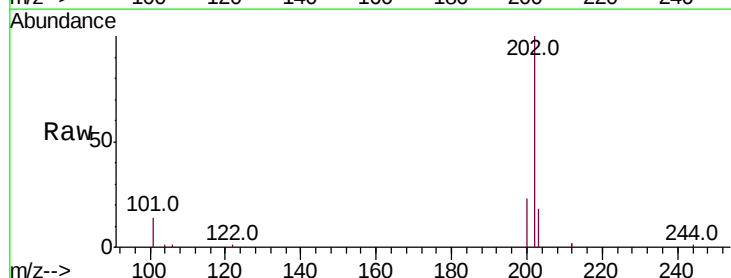
Tgt Ion:202 Resp: 10684

Ion Ratio Lower Upper

202 100

200 20.9 16.6 25.0

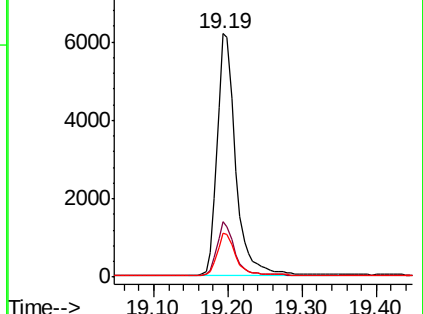
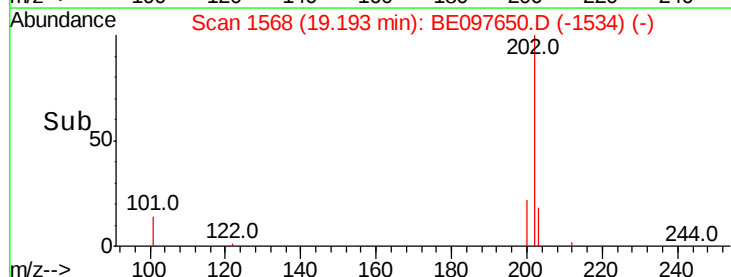
203 17.3 13.8 20.8

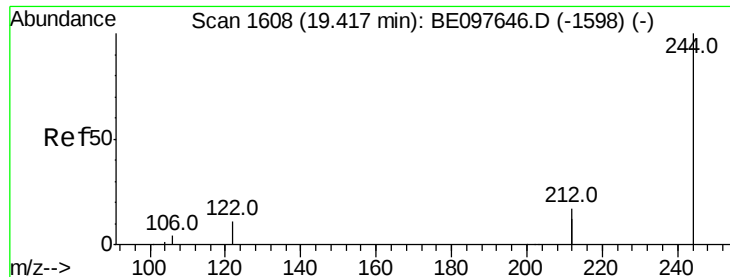


Abundance Ion 202.00 (201.70 to 202.70): E

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: 19.42 min Scan# 1607

Delta R.T. -0.00 min

Lab File: BE097650.D

Acq: 24 Sep 2018 19:13

Instrument :

BNA_E

ClientSampleId :

ICVBE092418

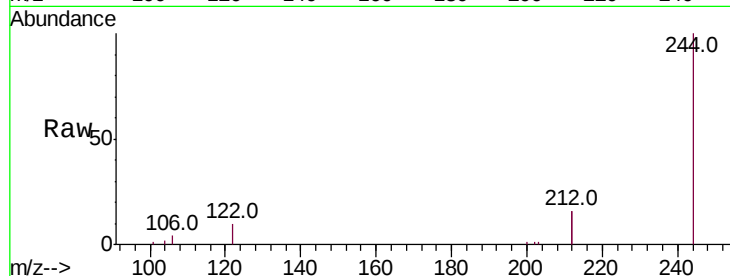
Tot Ion:244 Resp: 7839

Ion Ratio Lower Upper

244 100

212 31.9 25.4 38.0

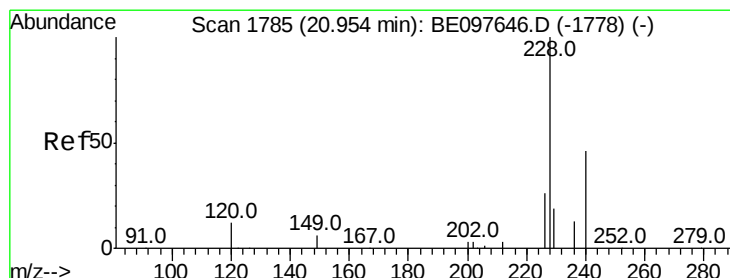
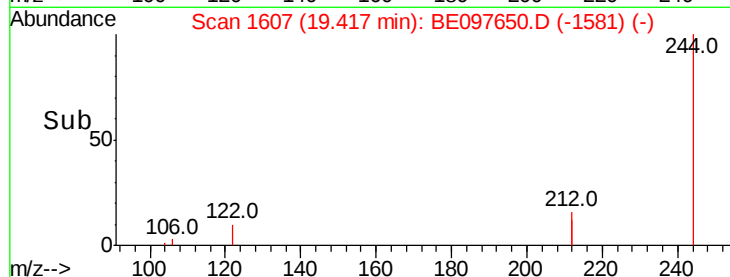
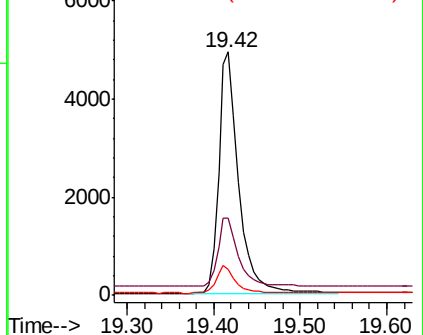
122 10.5 8.1 12.1



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: 0.405 ng

RT: 20.95 min Scan# 1784

Delta R.T. -0.00 min

Lab File: BE097650.D

Acq: 24 Sep 2018 19:13

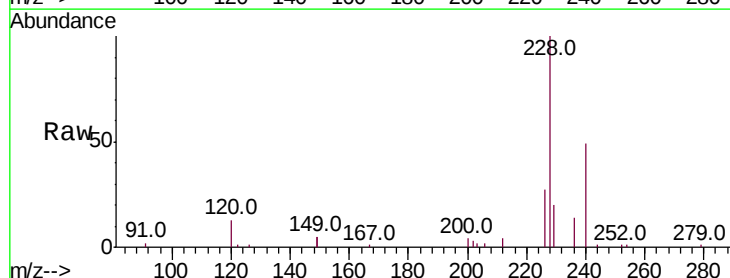
Tgt Ion:228 Resp: 9005

Ion Ratio Lower Upper

228 100

226 27.1 24.0 36.0

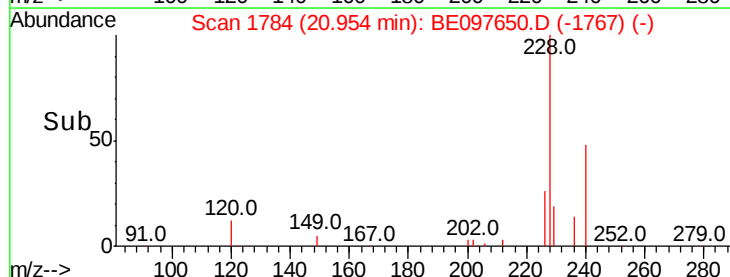
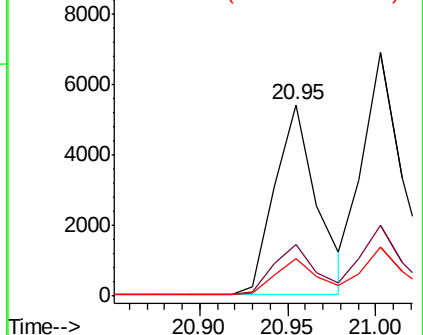
229 19.8 16.0 24.0

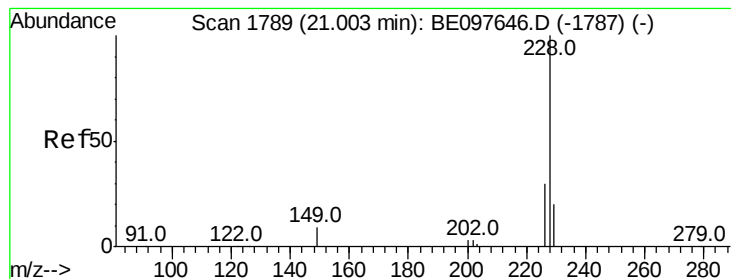


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

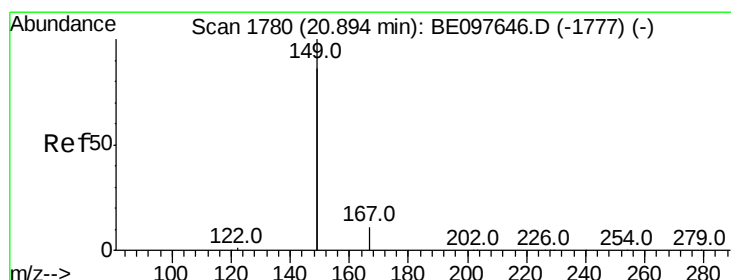
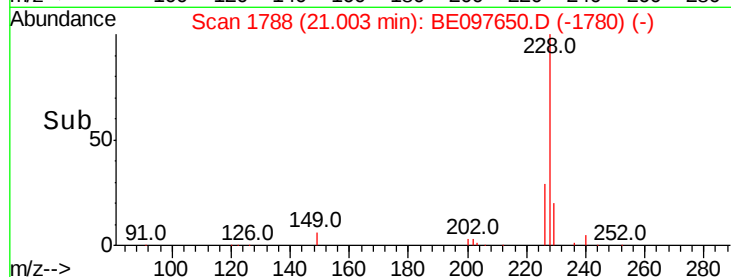
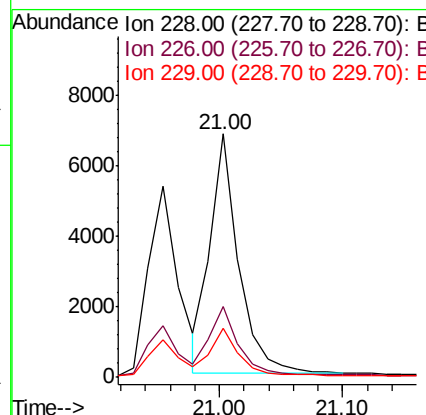
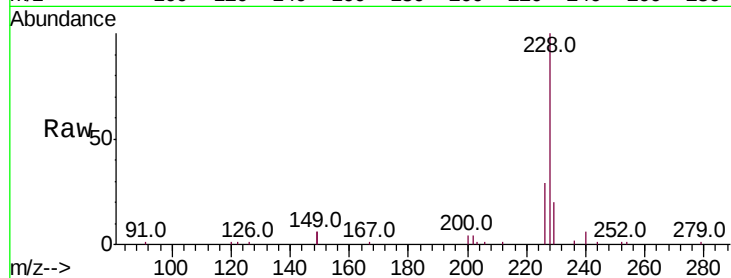




#31
 Chrysene
 Concen: 0.422 ng
 RT: 21.00 min Scan# 1788
 Delta R.T. -0.00 min
 Lab File: BE097650.D
 Acq: 24 Sep 2018 19:13

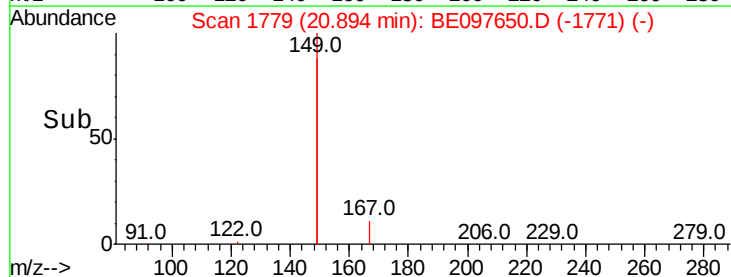
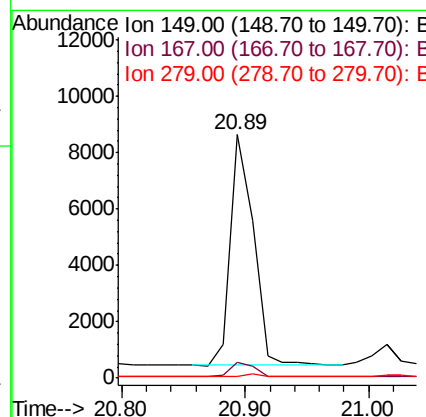
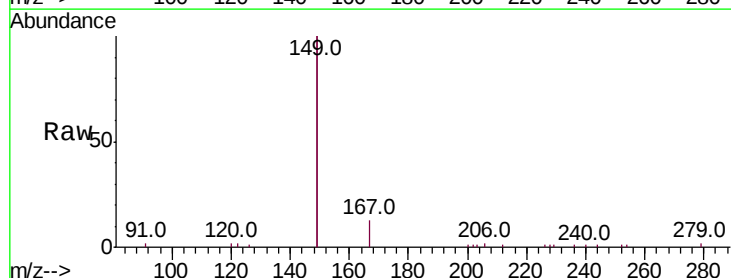
Instrument :
 BNA_E
 ClientSampleId :
 ICVBE092418

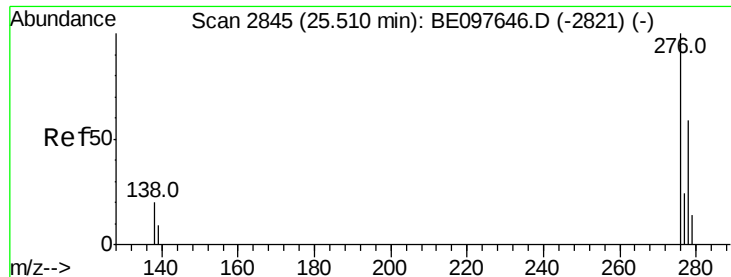
Tot Ion:228 Resp: 10964
 Ion Ratio Lower Upper
 228 100
 226 29.3 24.0 36.0
 229 20.2 16.0 24.0



#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.419 ng
 RT: 20.89 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: BE097650.D
 Acq: 24 Sep 2018 19:13

Tgt Ion:149 Resp: 10624
 Ion Ratio Lower Upper
 149 100
 167 6.6 5.4 8.0
 279 1.1 0.7 1.1





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.443 ng

RT: 25.50 min Scan# 2841

Delta R.T. -0.01 min

Lab File: BE097650.D

Acq: 24 Sep 2018 19:13

Instrument :

BNA_E

ClientSampleId :

ICVBE092418

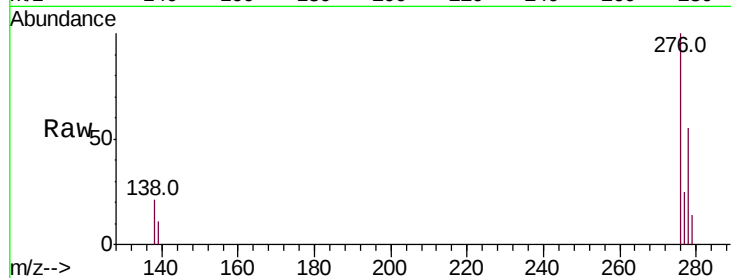
Tot Ion:276 Resp: 12131

Ion Ratio Lower Upper

276 100

138 21.3 22.5 33.7#

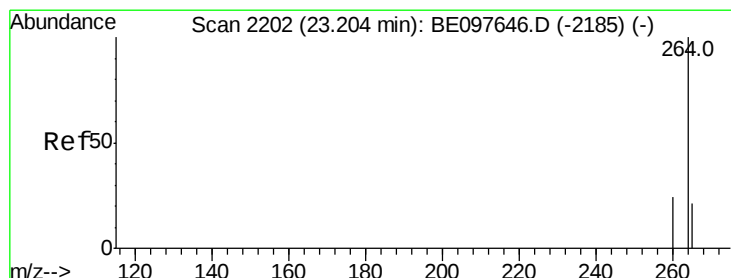
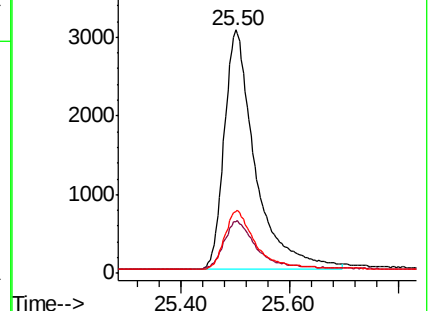
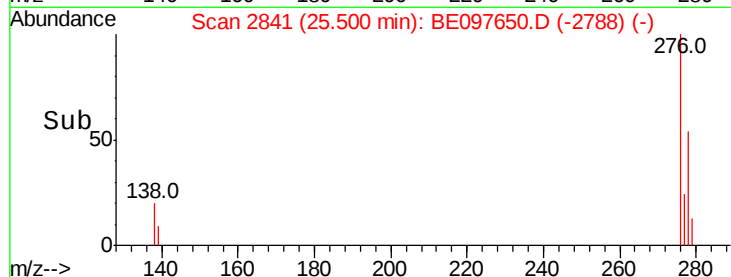
277 24.9 19.9 29.9



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: 23.20 min Scan# 2201

Delta R.T. -0.00 min

Lab File: BE097650.D

Acq: 24 Sep 2018 19:13

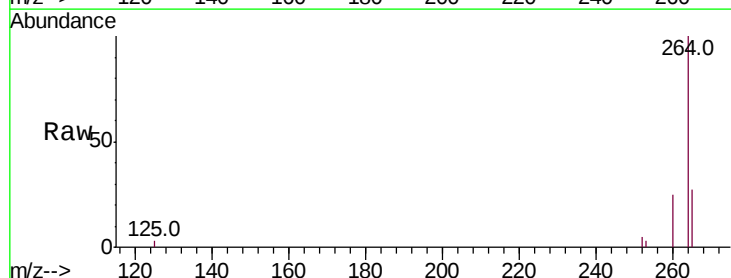
Tgt Ion:264 Resp: 8867

Ion Ratio Lower Upper

264 100

260 24.9 20.5 30.7

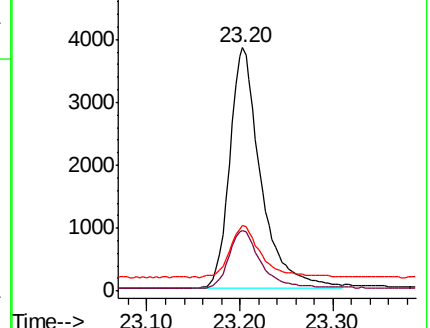
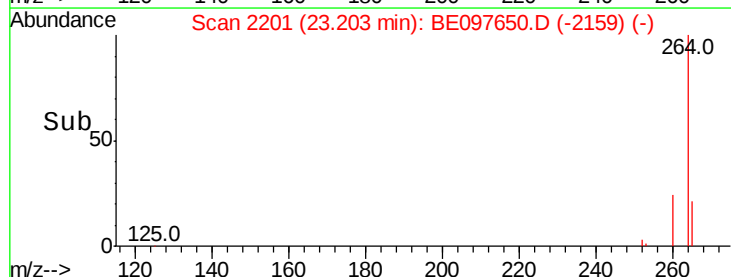
265 26.8 22.8 34.2

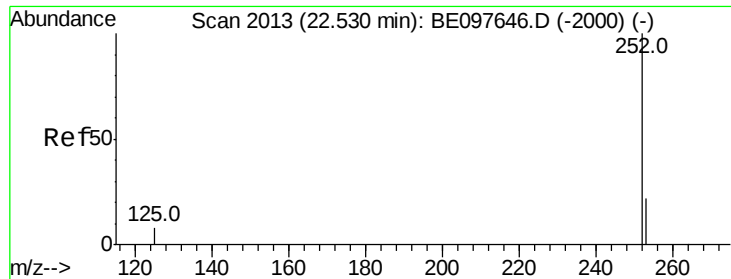


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.398 ng

RT: 22.53 min Scan# 2012

Delta R.T. -0.00 min

Lab File: BE097650.D

Acq: 24 Sep 2018 19:13

Instrument :

BNA_E

ClientSampleId :

ICVBE092418

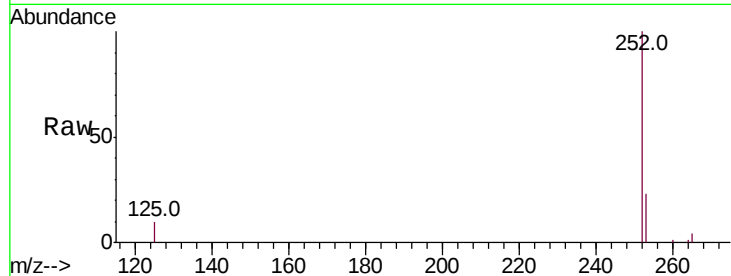
Tot Ion:252 Resp: 9016

Ion Ratio Lower Upper

252 100

253 23.0 20.0 30.0

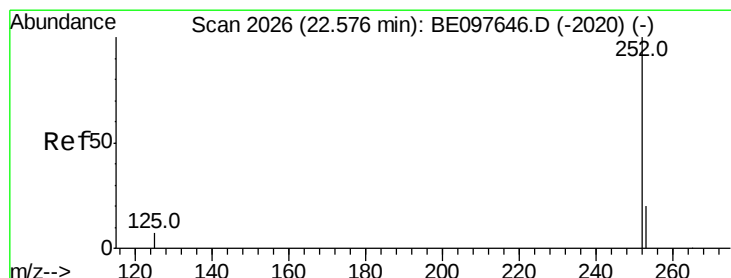
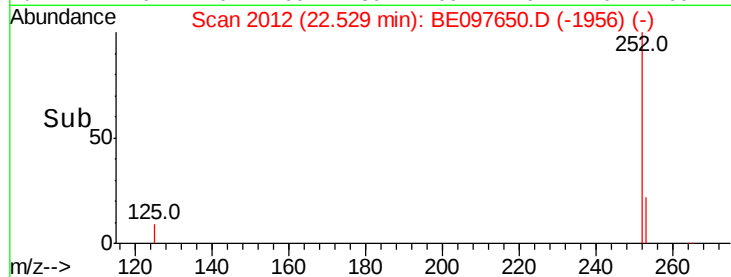
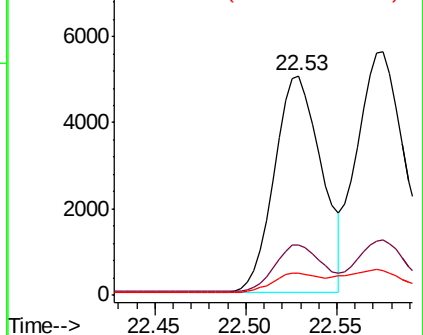
125 10.1 16.0 24.0#



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



#36

Benzo(k)fluoranthene

Concen: 0.416 ng

RT: 22.58 min Scan# 2025

Delta R.T. -0.00 min

Lab File: BE097650.D

Acq: 24 Sep 2018 19:13

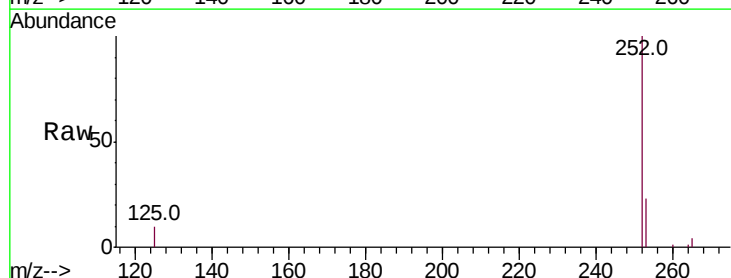
Tgt Ion:252 Resp: 11151

Ion Ratio Lower Upper

252 100

253 23.0 16.0 24.0

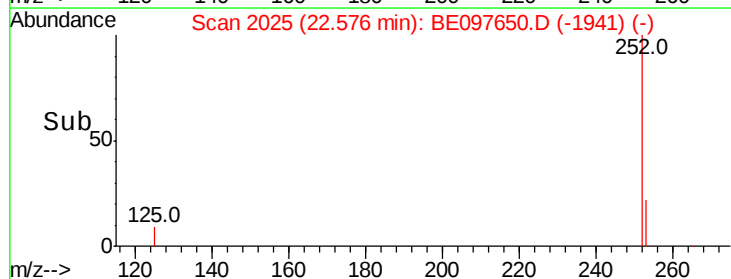
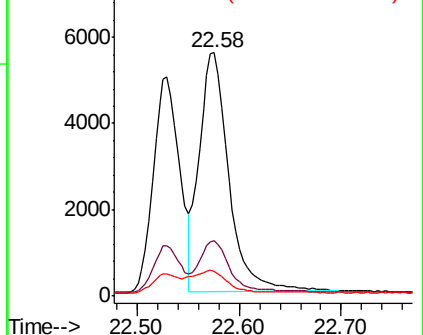
125 10.3 8.0 12.0

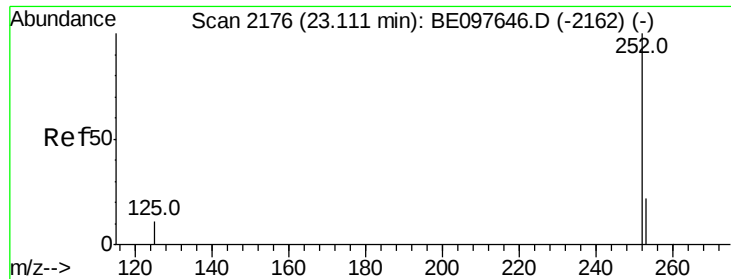


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.406 ng

RT: 23.11 min Scan# 2175

Delta R.T. -0.00 min

Lab File: BE097650.D

Acq: 24 Sep 2018 19:13

Instrument :

BNA_E

ClientSampleId :

ICVBE092418

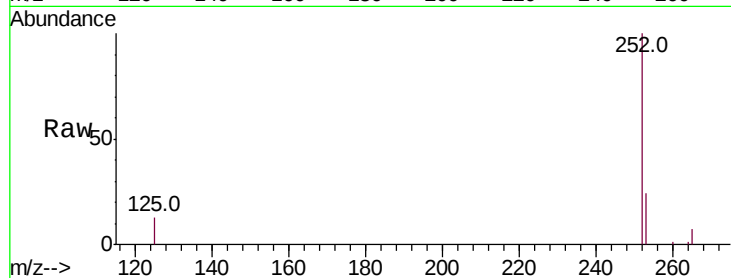
Tot Ion:252 Resp: 9099

Ion Ratio Lower Upper

252 100

253 24.1 16.0 24.0#

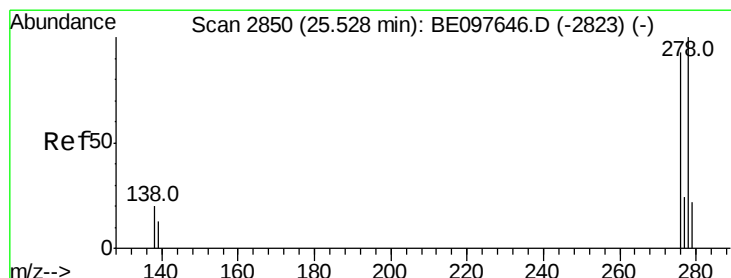
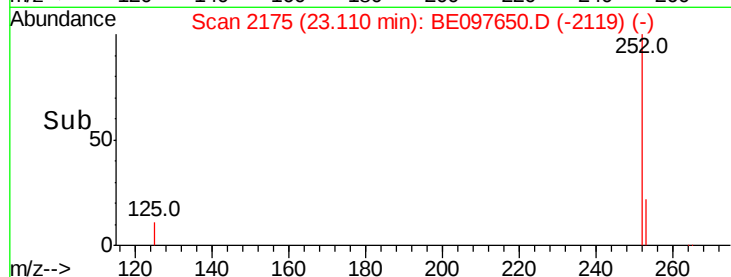
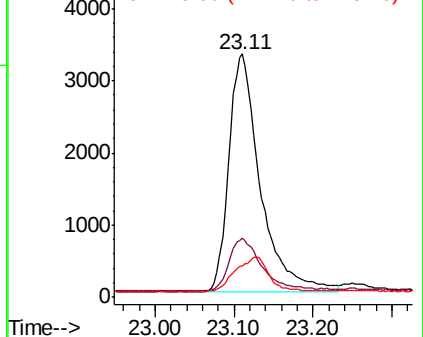
125 12.6 12.0 18.0



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: 0.422 ng

RT: 25.51 min Scan# 2845

Delta R.T. -0.01 min

Lab File: BE097650.D

Acq: 24 Sep 2018 19:13

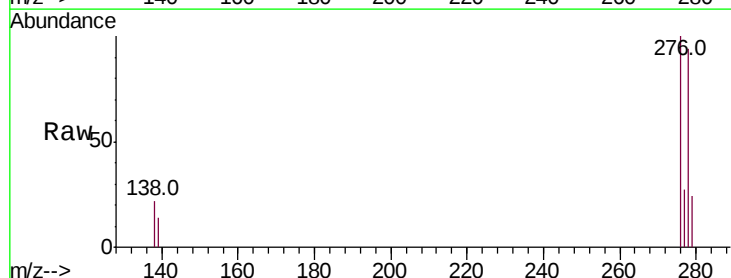
Tgt Ion:278 Resp: 9943

Ion Ratio Lower Upper

278 100

139 15.5 16.0 24.0#

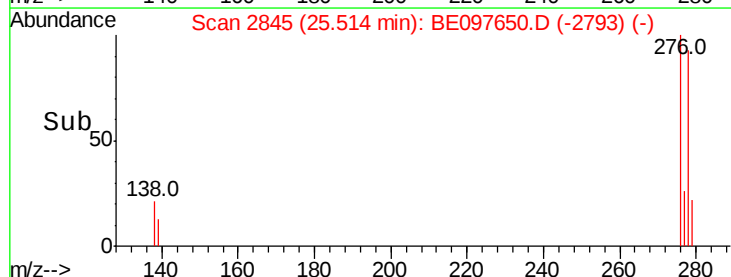
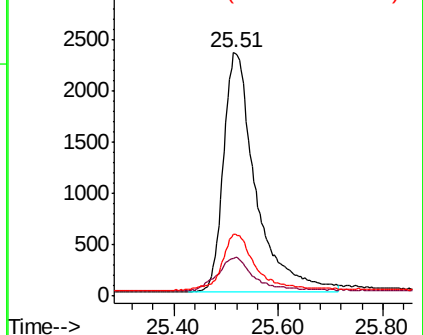
279 25.3 20.0 30.0

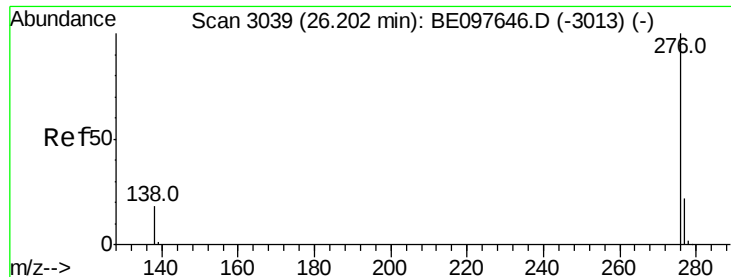


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.410 ng

RT: 26.20 min Scan# 3038

Delta R.T. 0.00 min

Lab File: BE097650.D

Acq: 24 Sep 2018 19:13

Instrument :

BNA_E

ClientSampleId :

ICVBE092418

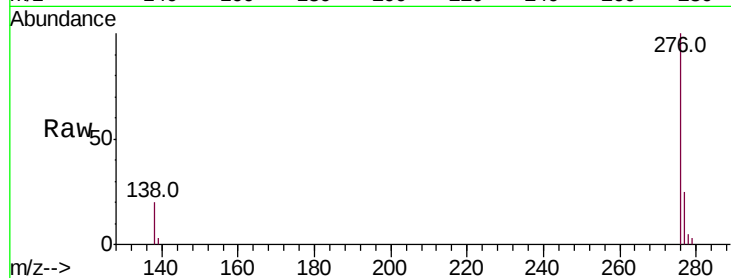
Tot Ion:276 Resp: 9596

Ion Ratio Lower Upper

276 100

277 25.3 16.0 24.0#

138 20.1 20.0 30.0



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

