

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE082318\
 Data File : BE097355.D
 Acq On : 23 Aug 2018 11:29
 Operator : SJ/JU
 Sample : PB112113BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB112113BS

Quant Time: Aug 23 12:29:10 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE082218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 22 18:07:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	1274	0.40	ng	0.00
7) Naphthalene-d8	10.13	136	5473	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	2372	0.40	ng	0.00
19) Phenanthrene-d10	16.76	188	5295	0.40	ng	0.00
27) Chrysene-d12	20.97	240	5047	0.40	ng	0.00
34) Perylene-d12	23.21	264	4860	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	1070	0.28	ng	0.00
5) Phenol-d6	6.59	99	1293	0.26	ng	0.00
8) Nitrobenzene-d5	8.52	82	1298	0.33	ng	0.00
11) 2-Methylnaphthalene-d10	11.72	152	2798	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	112	0.14	ng	0.00
15) 2-Fluorobiphenyl	12.62	172	3565	0.41	ng	0.00
25) Fluoranthene-d10	18.80	212	14814	0.24	ng	0.00
29) Terphenyl-d14	19.42	244	3572	0.38	ng	0.00

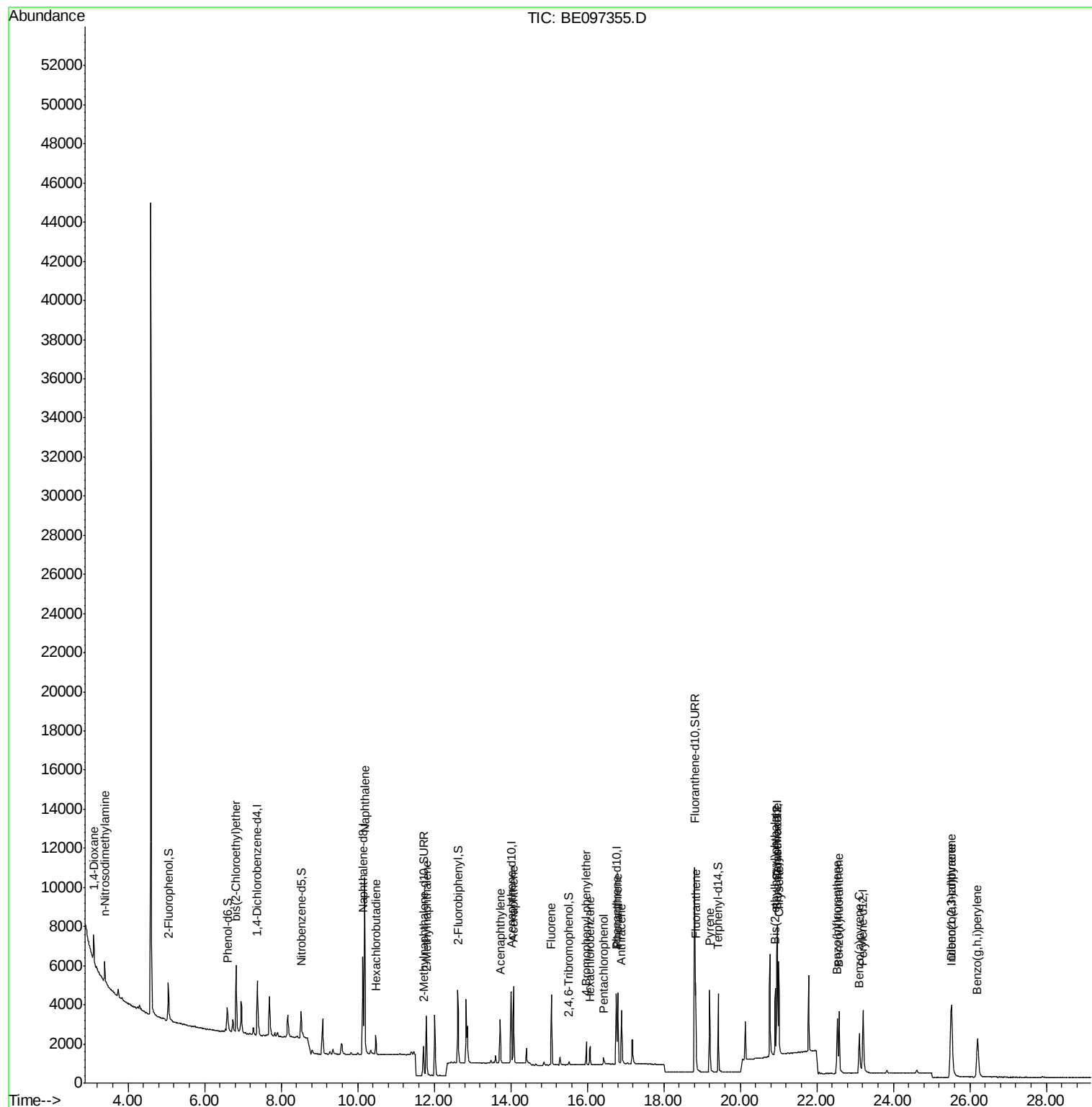
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.09	88	549	0.243	ng	# 28
3) n-Nitrosodimethylamine	3.38	42	655	0.310	ng	# 94
6) bis(2-Chloroethyl)ether	6.83	93	1253	0.270	ng	93
9) Naphthalene	10.18	128	15265	0.306	ng	99
10) Hexachlorobutadiene	10.47	225	638	0.286	ng	98
12) 2-Methylnaphthalene	11.79	142	2308	0.294	ng	99
16) Acenaphthylene	13.73	152	2662	0.282	ng	99
17) Acenaphthene	14.07	154	1855	0.295	ng	95
18) Fluorene	15.06	166	2197	0.276	ng	# 80
20) 4-Bromophenyl-phenylether	15.97	248	713	0.296	ng	# 79
21) Hexachlorobenzene	16.08	284	806	0.303	ng	# 84
22) Pentachlorophenol	16.44	266	305	0.497	ng	85
23) Phenanthrene	16.80	178	3805	0.302	ng	98
24) Anthracene	16.89	178	3160	0.295	ng	# 95
26) Fluoranthene	18.83	202	4062	0.257	ng	99
28) Pyrene	19.20	202	4055	0.338	ng	99
30) Benzo(a)anthracene	20.95	228	3629	0.284	ng	98
31) Chrysene	21.00	228	4178	0.304	ng	99
32) Bis(2-ethylhexyl)phthalate	20.92	149	3952	0.303	ng	# 99
33) Indeno(1,2,3-cd)pyrene	25.50	276	5561	0.305	ng	# 93
35) Benzo(b)fluoranthene	22.53	252	3771	0.294	ng	# 92
36) Benzo(k)fluoranthene	22.58	252	4294	0.303	ng	# 89
37) Benzo(a)pyrene	23.11	252	3478	0.277	ng	# 92
38) Dibenzo(a,h)anthracene	25.52	278	4762	0.315	ng	98
39) Benzo(g,h,i)perylene	26.20	276	4924	0.314	ng	# 91

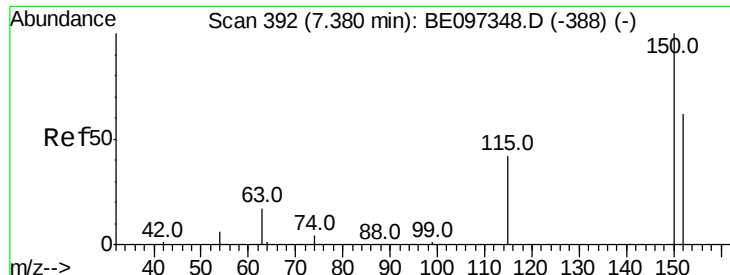
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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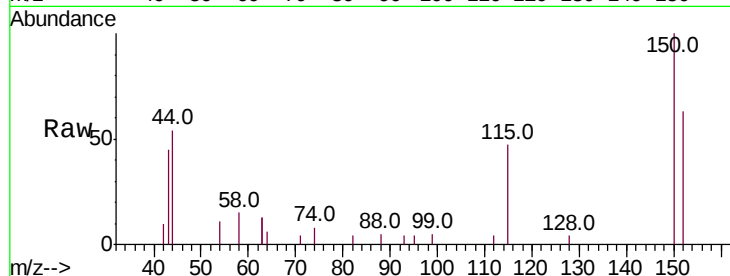


#1

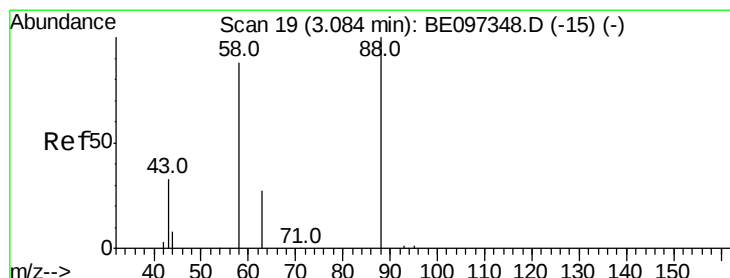
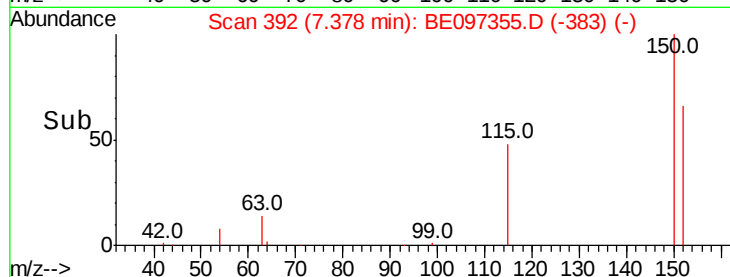
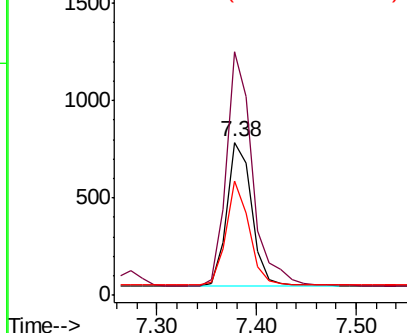
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.38 min Scan# 392
Delta R.T. -0.00 min
Lab File: BE097355.D
Acq: 23 Aug 2018 11:29

Instrument :
BNA_E
ClientSampleId :
PB112113BS

Tot Ion:152 Resp: 1274
Ion Ratio Lower Upper
152 100
150 159.4 117.2 175.8
115 75.0 57.0 85.6



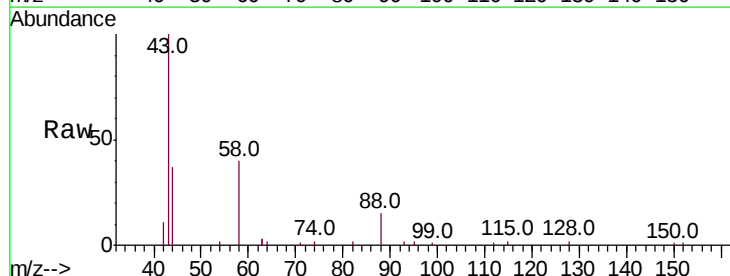
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



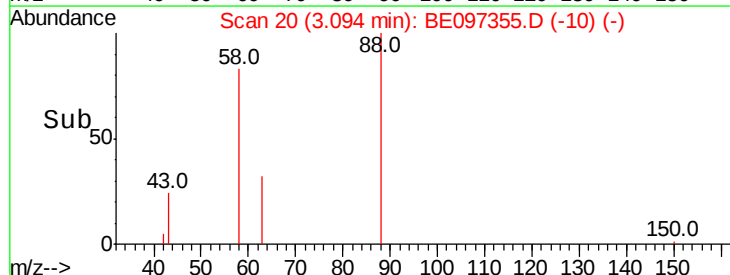
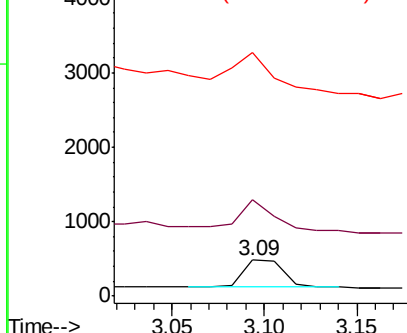
#2

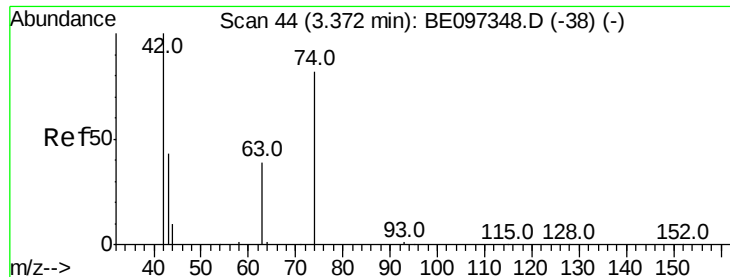
1,4-Dioxane
Concen: 0.243 ng
RT: 3.09 min Scan# 20
Delta R.T. 0.01 min
Lab File: BE097355.D
Acq: 23 Aug 2018 11:29

Tgt Ion: 88 Resp: 549
Ion Ratio Lower Upper
88 100
58 98.4 63.2 94.8#
43 155.0 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

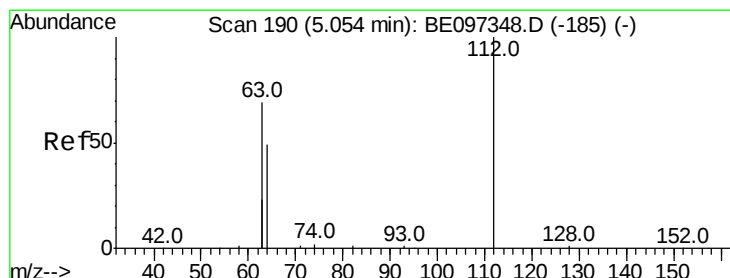
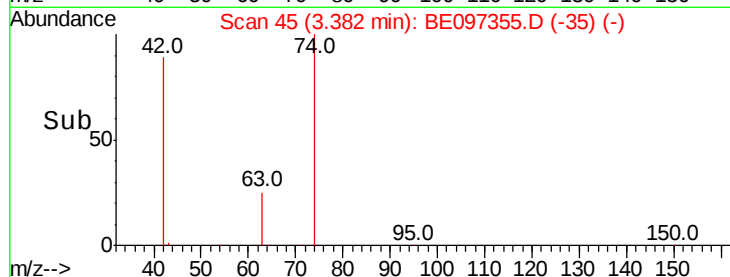
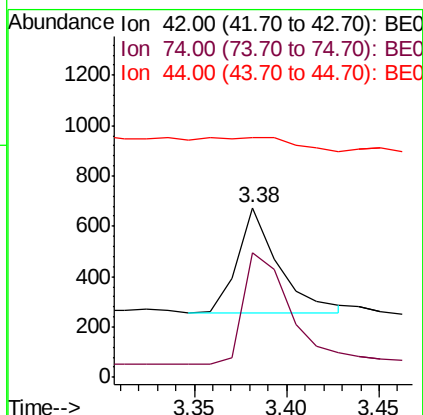
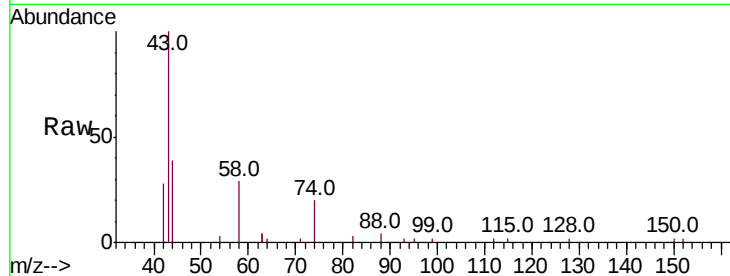




#3
 n-Nitrosodimethylamine
 Concen: 0.310 ng
 RT: 3.38 min Scan# 45
 Delta R.T. 0.01 min
 Lab File: BE097355.D
 Acq: 23 Aug 2018 11:29

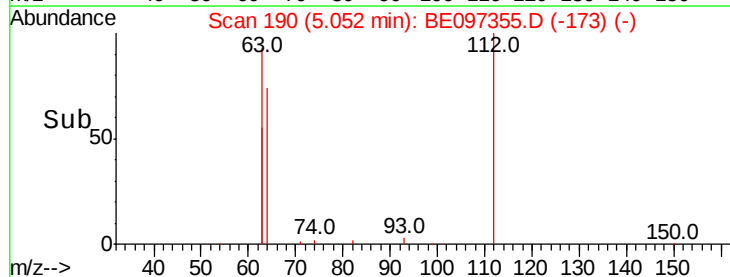
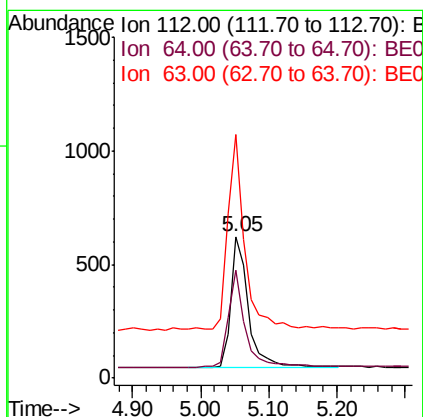
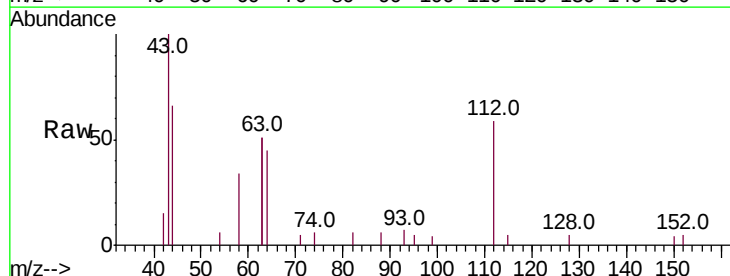
Instrument :
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 ClientSampleId :
 PB112113BS

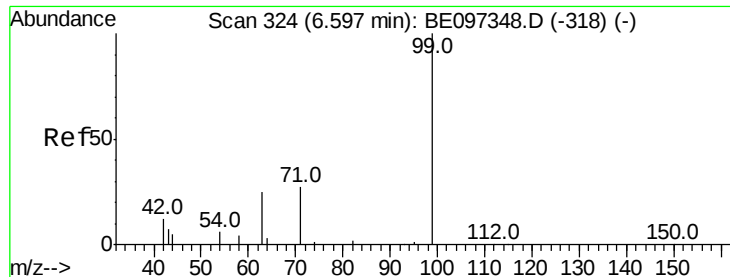
Tot Ion: 42 Resp: 655
 Ion Ratio Lower Upper
 42 100
 74 117.6 96.0 144.0
 44 0.0 12.0 18.0#



#4
 2-Fluorophenol
 Concen: 0.284 ng
 RT: 5.05 min Scan# 190
 Delta R.T. -0.00 min
 Lab File: BE097355.D
 Acq: 23 Aug 2018 11:29

Tgt Ion: 112 Resp: 1070
 Ion Ratio Lower Upper
 112 100
 64 70.8 60.1 90.1
 63 140.3 116.8 175.2





#5

Phenol-d6

Concen: 0.257 ng

RT: 6.59 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097355.D

Acq: 23 Aug 2018 11:29

Instrument :

BNA_E

ClientSampleId :

PB112113BS

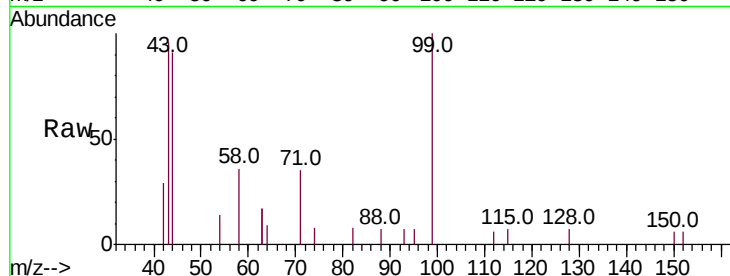
Tot Ion: 99 Resp: 1293

Ion Ratio Lower Upper

99 100

42 23.7 20.2 30.2

71 33.5 28.4 42.6



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

1000

800

600

400

200

0

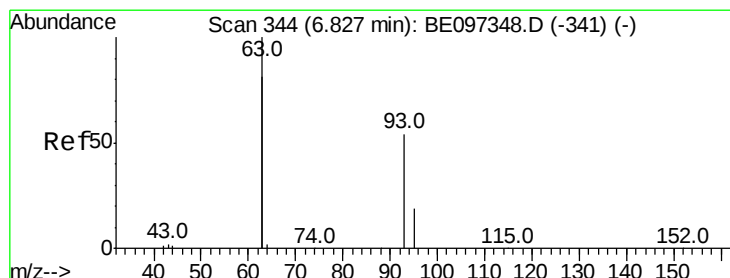
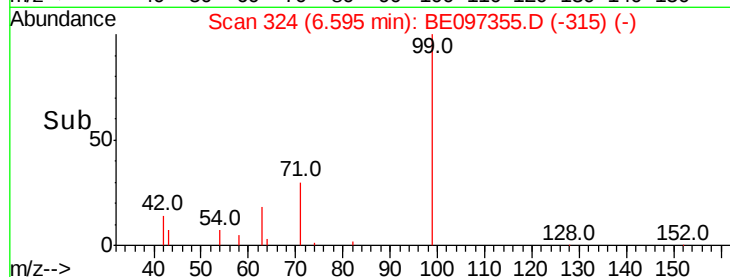
6.59

6.50

6.60

6.70

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.270 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.00 min

Lab File: BE097355.D

Acq: 23 Aug 2018 11:29

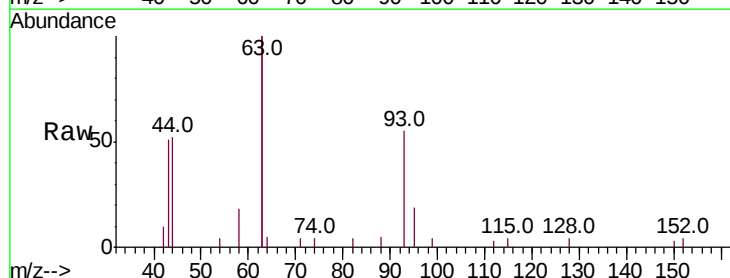
Tgt Ion: 93 Resp: 1253

Ion Ratio Lower Upper

93 100

63 326.9 275.3 412.9

95 32.2 25.2 37.8



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

3000

2000

1000

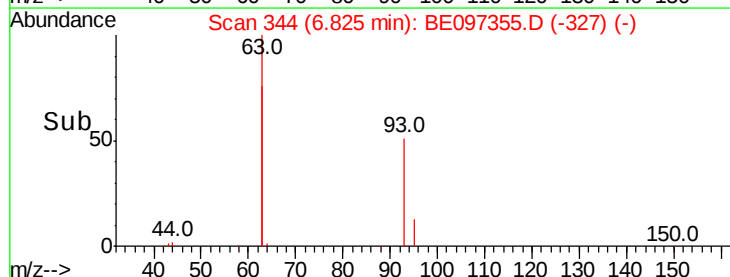
0

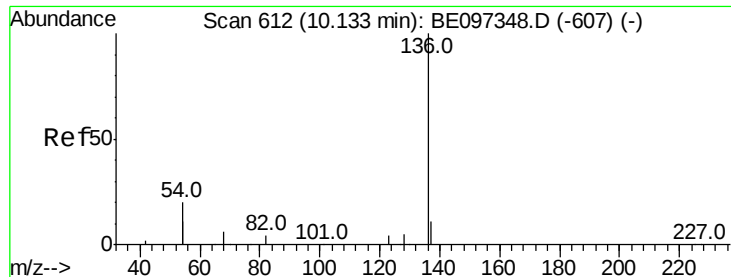
6.83

6.80

6.90

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.13 min Scan# 612

Delta R.T. -0.00 min

Lab File: BE097355.D

Acq: 23 Aug 2018 11:29

Instrument :

BNA_E

ClientSampleId :

PB112113BS

Tot Ion:136 Resp: 5473

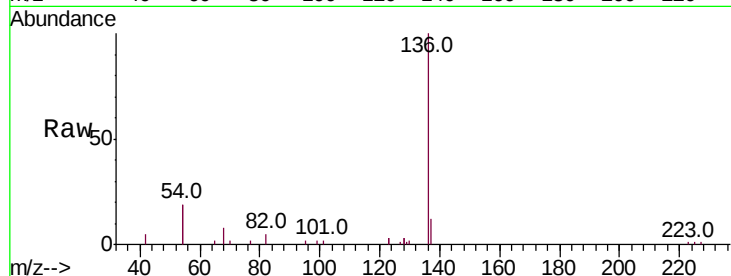
Ion Ratio Lower Upper

136 100

137 11.6 9.5 14.3

54 37.3 29.1 43.7

68 7.5 6.2 9.2

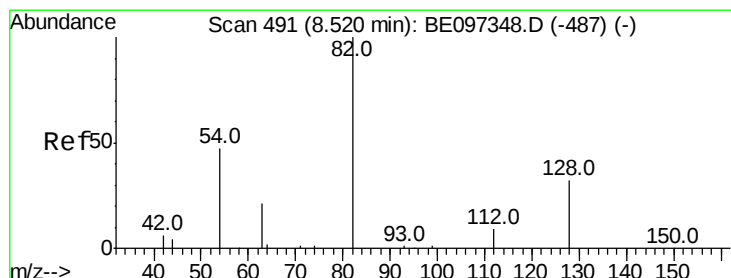
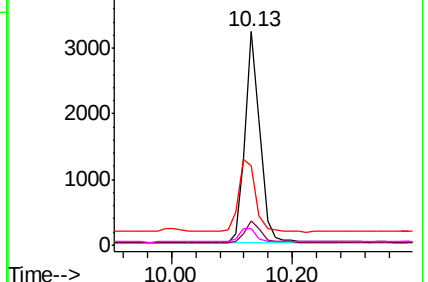
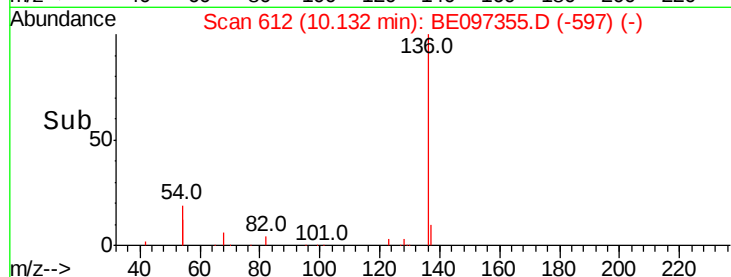


Abundance Ion 136.00 (135.70 to 136.70): E

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



#8

Nitrobenzene-d5

Concen: 0.331 ng

RT: 8.52 min Scan# 491

Delta R.T. -0.00 min

Lab File: BE097355.D

Acq: 23 Aug 2018 11:29

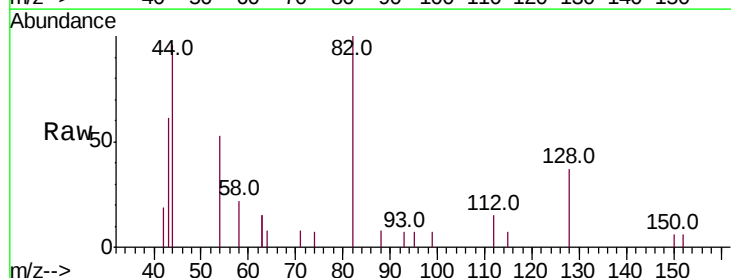
Tgt Ion: 82 Resp: 1298

Ion Ratio Lower Upper

82 100

128 36.9 24.0 36.0#

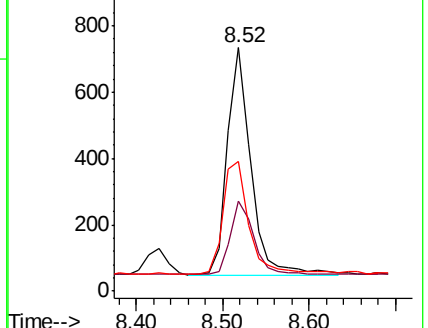
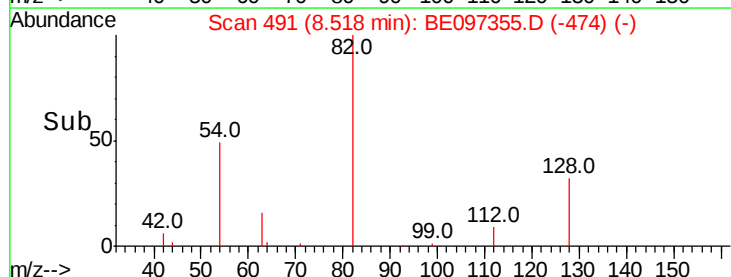
54 53.4 40.0 60.0

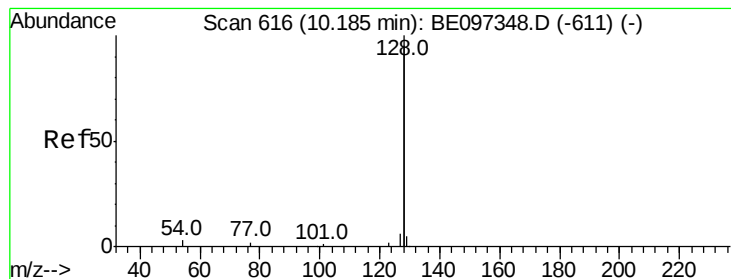


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.306 ng

RT: 10.18 min Scan# 616

Delta R.T. -0.00 min

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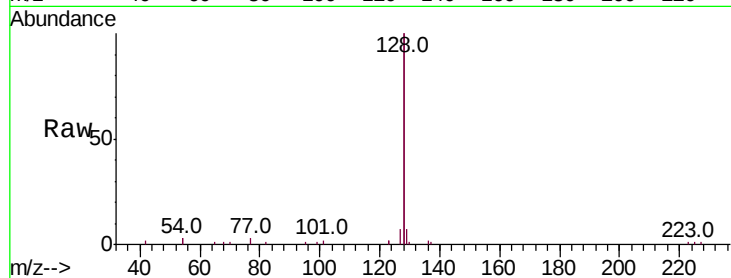
Tot Ion:128 Resp: 15265

Ion Ratio Lower Upper

128 100

129 3.3 2.6 3.8

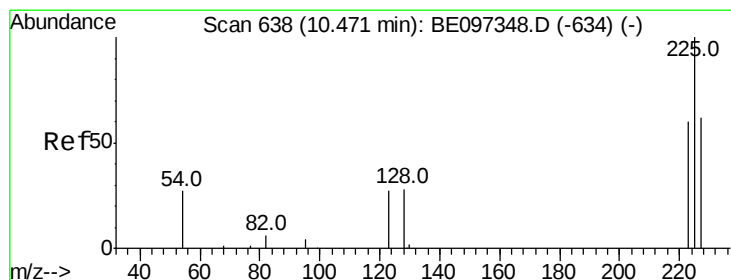
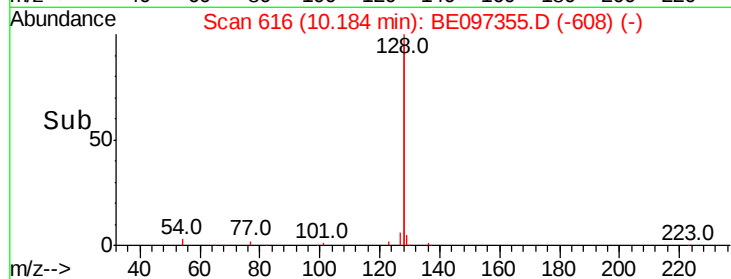
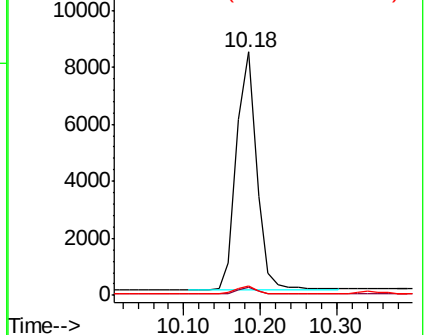
127 3.7 2.8 4.2



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: 0.286 ng

RT: 10.47 min Scan# 638

Delta R.T. -0.00 min

Lab File: BE097355.D

Acq: 23 Aug 2018 11:29

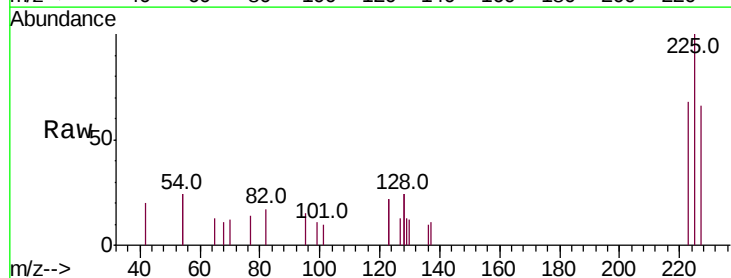
Tgt Ion:225 Resp: 638

Ion Ratio Lower Upper

225 100

223 64.6 53.0 79.6

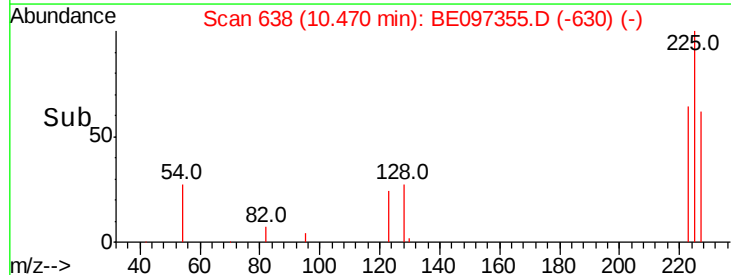
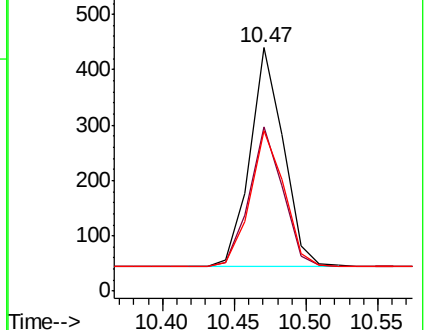
227 63.3 51.4 77.2

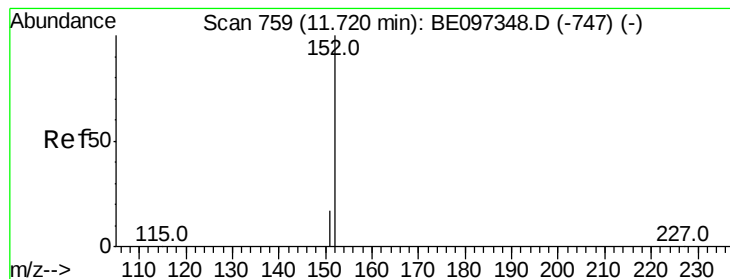


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.367 ng

RT: 11.72 min Scan# 759

Delta R.T. -0.00 min

Lab File: BE097355.D

Acq: 23 Aug 2018 11:29

Instrument :

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ClientSampleId :

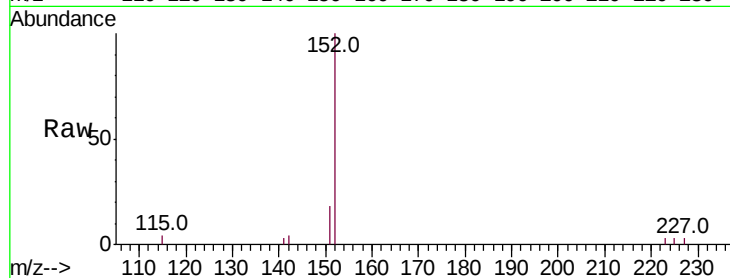
PB112113BS

Tot Ion:152 Resp: 2798

Ion Ratio Lower Upper

152 100

151 13.3 15.4 23.0#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.72

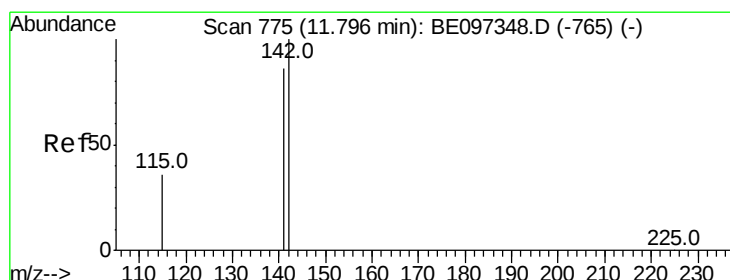
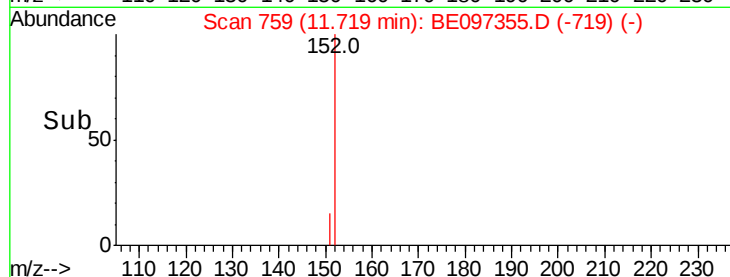
1500

1000

500

0

Time--> 11.60 11.70 11.80



#12

2-Methylnaphthalene

Concen: 0.294 ng

RT: 11.79 min Scan# 775

Delta R.T. -0.00 min

Lab File: BE097355.D

Acq: 23 Aug 2018 11:29

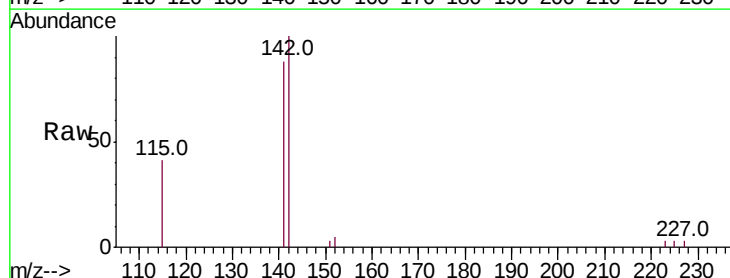
Tgt Ion:142 Resp: 2308

Ion Ratio Lower Upper

142 100

141 87.7 70.4 105.6

115 40.7 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

11.79

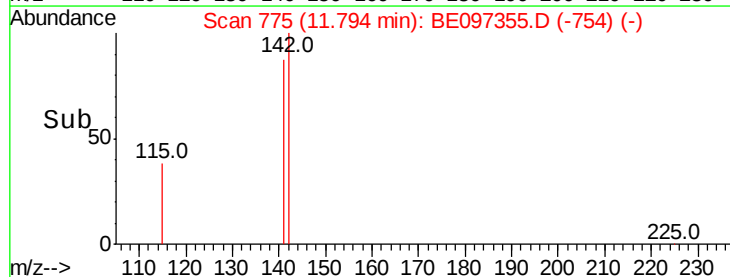
1500

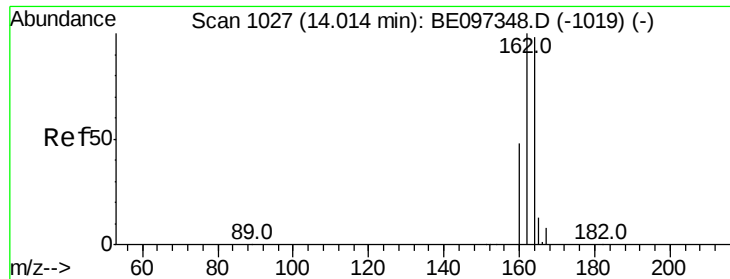
1000

500

0

Time--> 11.70 11.80 11.90

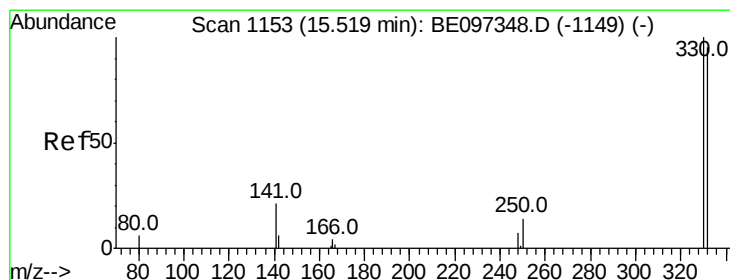
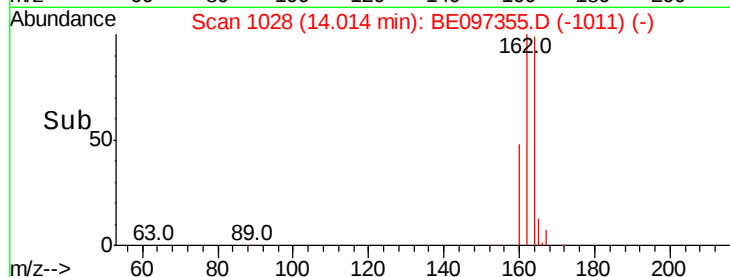
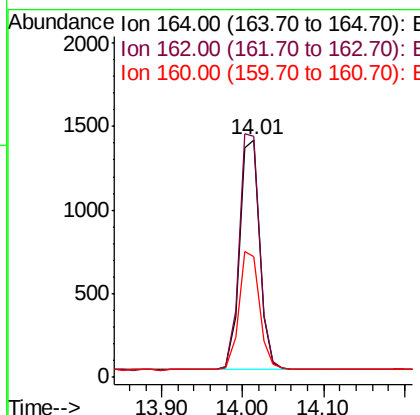
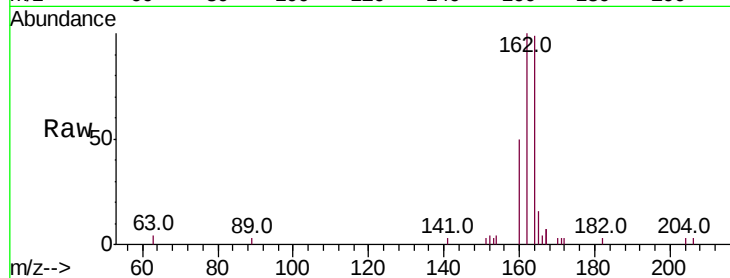




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.01 min Scan# 1028
 Delta R.T. 0.00 min
 Lab File: BE097355.D
 Acq: 23 Aug 2018 11:29

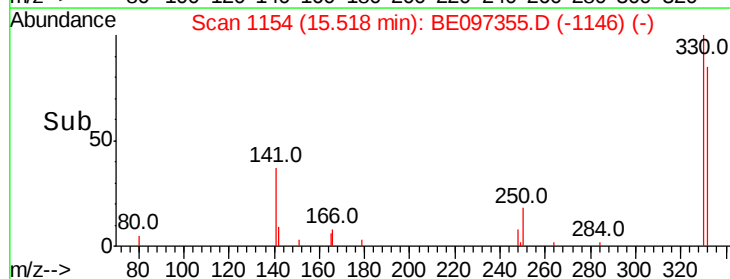
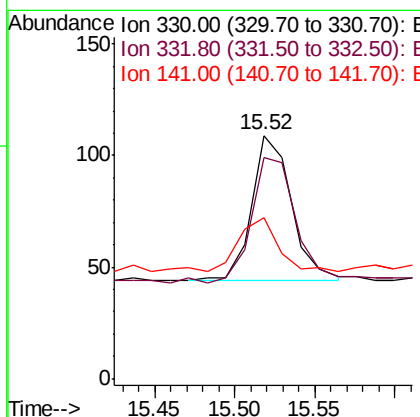
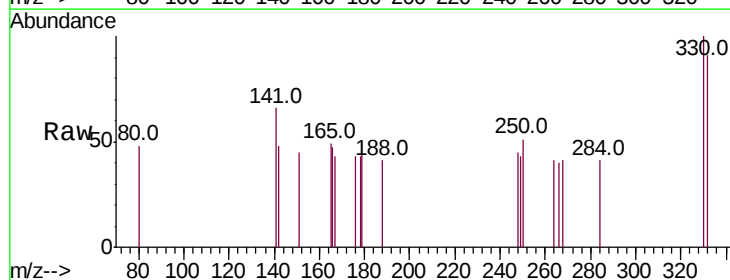
Instrument :
 BNA_E
 ClientSampleId :
 PB112113BS

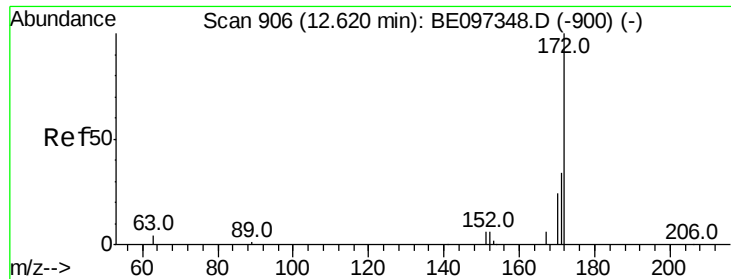
Tot Ion:164 Resp: 2372
 Ion Ratio Lower Upper
 164 100
 162 101.2 83.1 124.7
 160 50.7 37.1 55.7



#14
 2,4,6-Tribromophenol
 Concen: 0.140 ng
 RT: 15.52 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: BE097355.D
 Acq: 23 Aug 2018 11:29

Tgt Ion:330 Resp: 112
 Ion Ratio Lower Upper
 330 100
 332 98.2 152.7 229.1#
 141 37.5 33.7 50.5

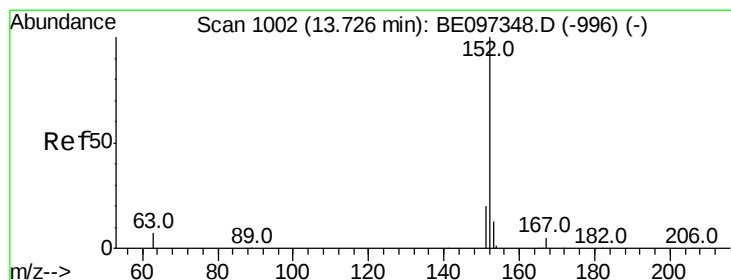
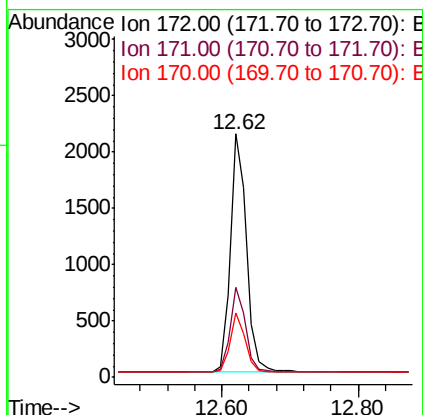
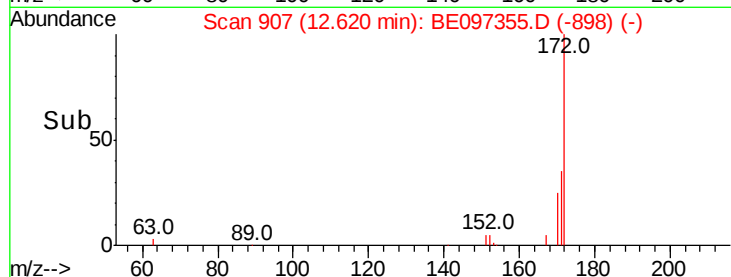
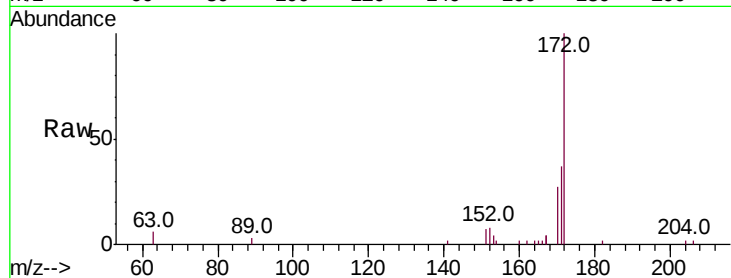




#15
2-Fluorobiphenyl
Concen: 0.409 ng
RT: 12.62 min Scan# 907
Delta R.T. 0.00 min
Lab File: BE097355.D
Acq: 23 Aug 2018 11:29

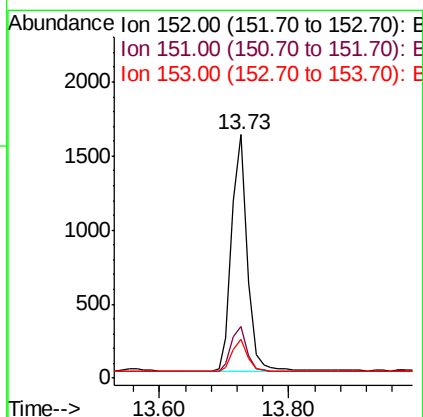
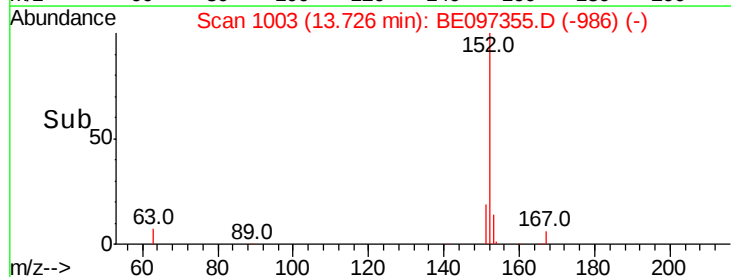
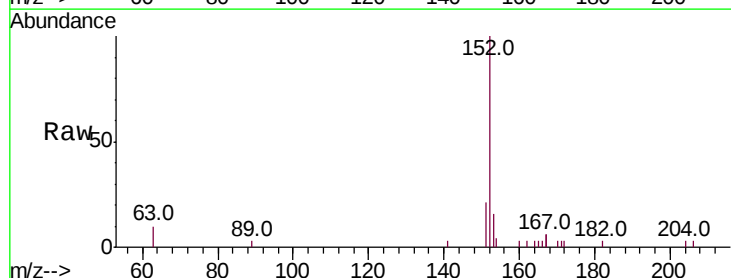
Instrument :
BNA_E
ClientSampleId :
PB112113BS

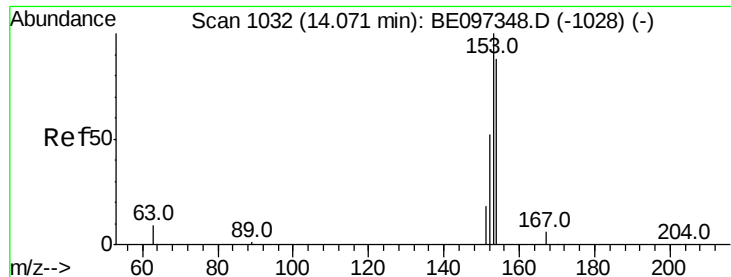
Tot Ion:172 Resp: 3565
Ion Ratio Lower Upper
172 100
171 36.8 29.9 44.9
170 26.5 21.8 32.8



#16
Acenaphthylene
Concen: 0.282 ng
RT: 13.73 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BE097355.D
Acq: 23 Aug 2018 11:29

Tgt Ion:152 Resp: 2662
Ion Ratio Lower Upper
152 100
151 19.0 15.7 23.5
153 13.7 10.5 15.7





#17

Acenaphthene

Concen: 0.295 ng

RT: 14.07 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BE097355.D

Acq: 23 Aug 2018 11:29

Instrument :

BNA_E

ClientSampleId :

PB112113BS

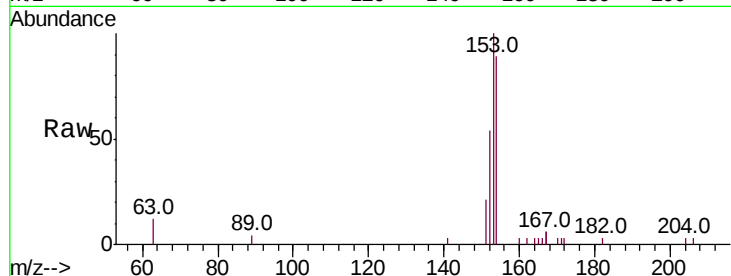
Tot Ion:154 Resp: 1855

Ion Ratio Lower Upper

154 100

153 114.2 89.2 133.8

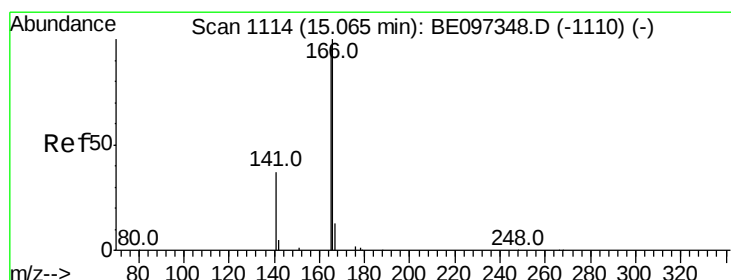
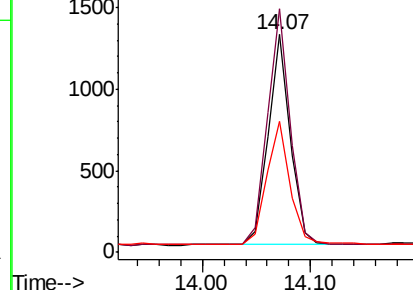
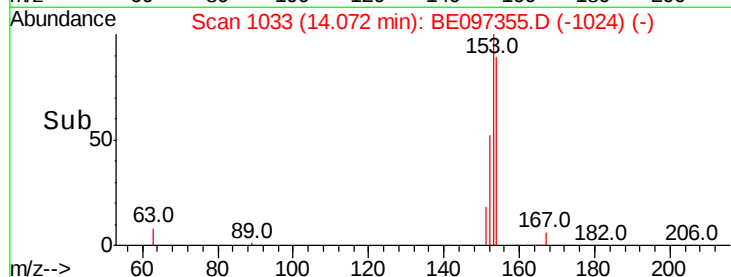
152 60.2 42.0 63.0



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: 0.276 ng

RT: 15.06 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE097355.D

Acq: 23 Aug 2018 11:29

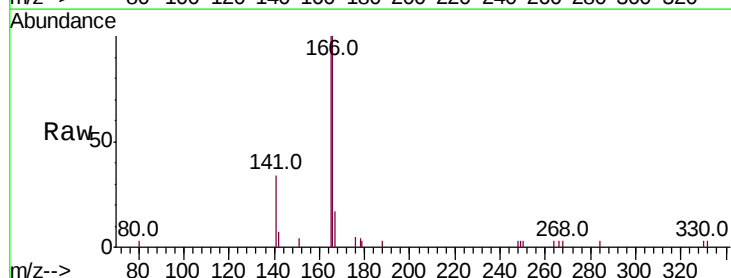
Tgt Ion:166 Resp: 2197

Ion Ratio Lower Upper

166 100

165 97.9 77.8 116.6

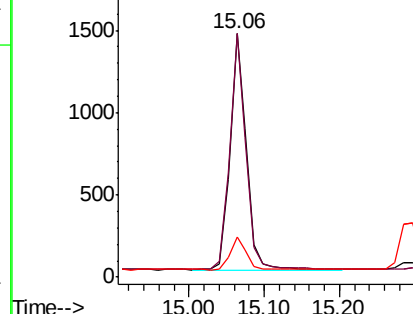
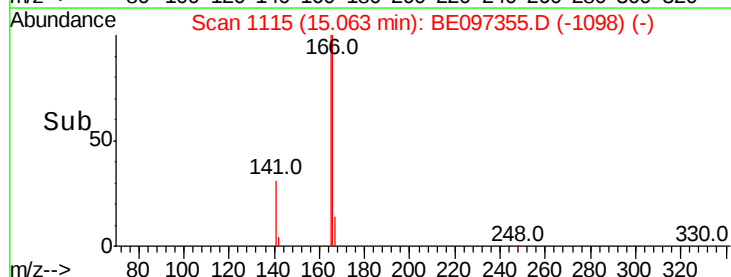
167 13.8 42.4 63.6#

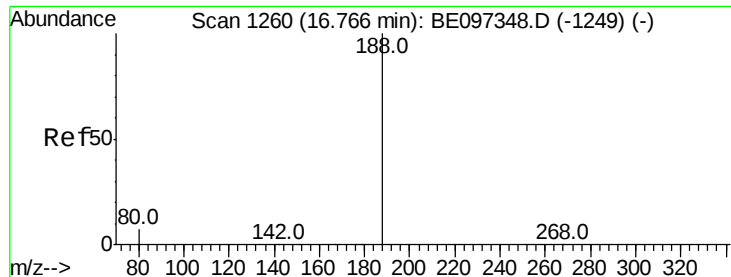


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.76 min Scan# 1261

Delta R.T. -0.00 min

Lab File: BE097355.D

Acq: 23 Aug 2018 11:29

Instrument :

BNA_E

ClientSampleId :

PB112113BS

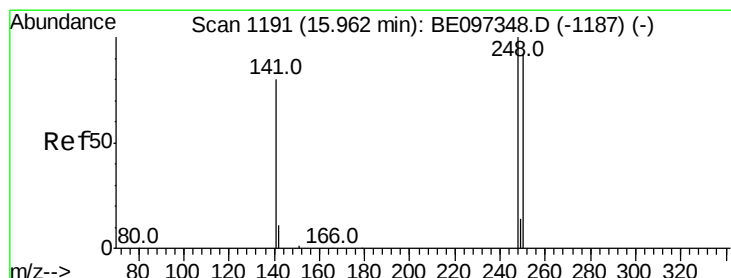
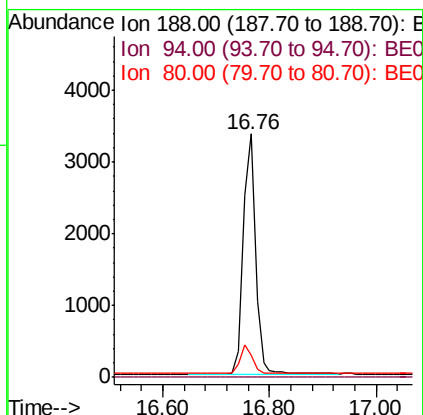
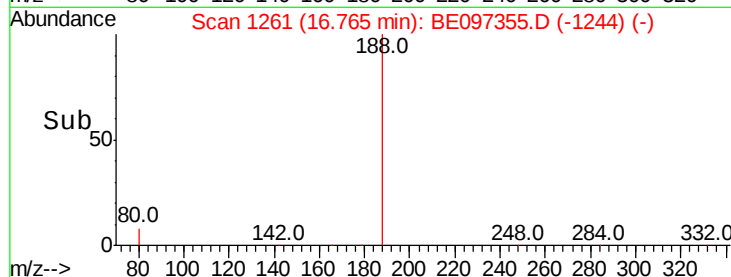
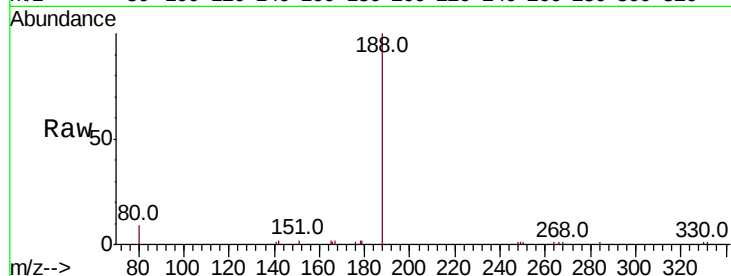
Tot Ion:188 Resp: 5295

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 9.0 3.6 5.4#



#20

4-Bromophenyl-phenylether

Concen: 0.296 ng

RT: 15.97 min Scan# 1193

Delta R.T. 0.01 min

Lab File: BE097355.D

Acq: 23 Aug 2018 11:29

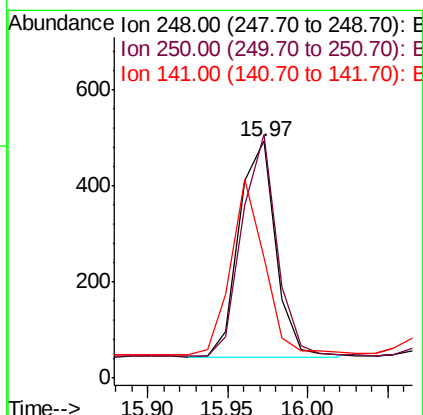
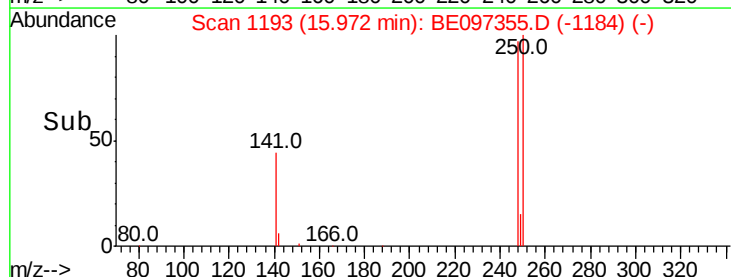
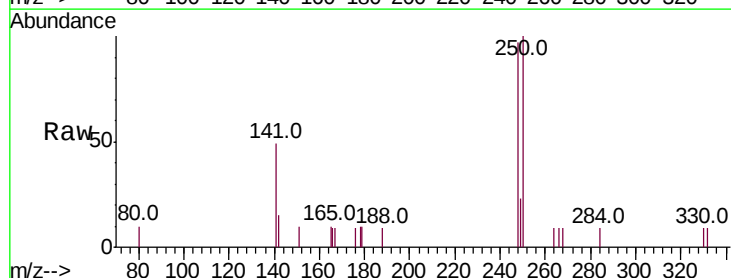
Tgt Ion:248 Resp: 713

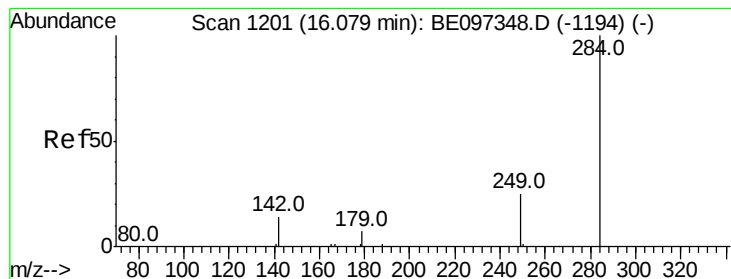
Ion Ratio Lower Upper

248 100

250 102.8 62.7 94.1#

141 50.8 48.2 72.2





#21

Hexachlorobenzene

Concen: 0.303 ng

RT: 16.08 min Scan# 1202

Delta R.T. -0.00 min

Lab File: BE097355.D

Acq: 23 Aug 2018 11:29

Instrument :

BNA_E

ClientSampleId :

PB112113BS

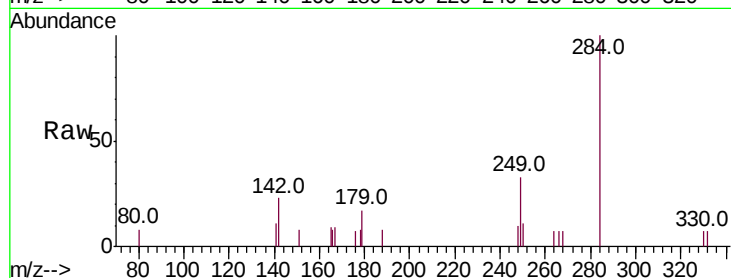
Tot Ion:284 Resp: 806

Ion Ratio Lower Upper

284 100

142 32.3 22.1 33.1

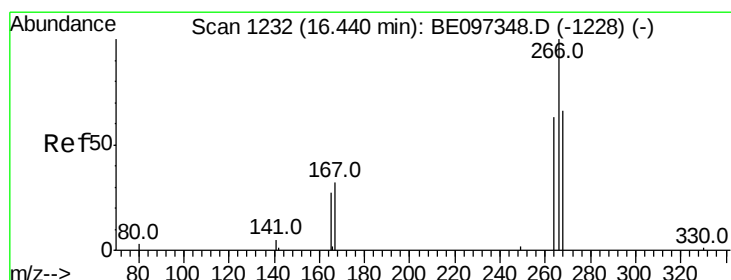
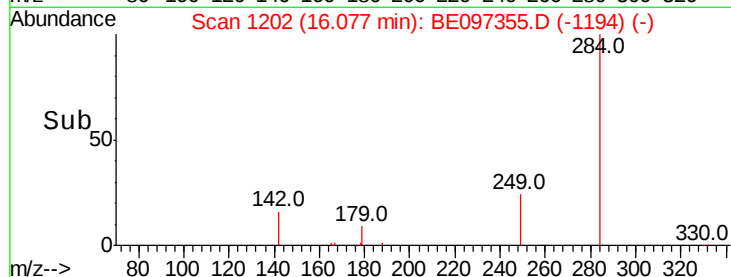
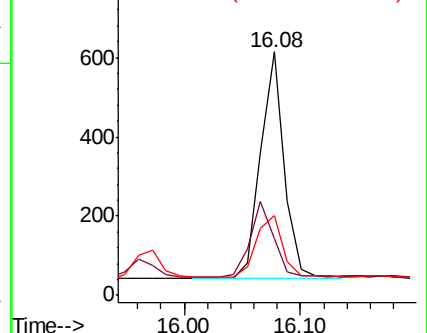
249 30.8 34.8 52.2#



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: 0.497 ng

RT: 16.44 min Scan# 1233

Delta R.T. -0.00 min

Lab File: BE097355.D

Acq: 23 Aug 2018 11:29

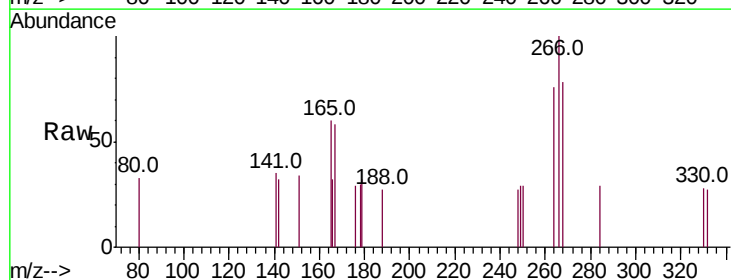
Tgt Ion:266 Resp: 305

Ion Ratio Lower Upper

266 100

264 75.8 72.5 108.7

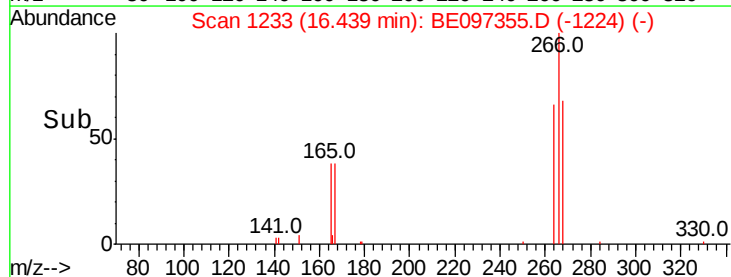
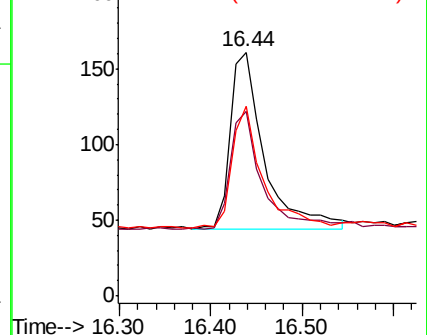
268 77.6 73.8 110.6

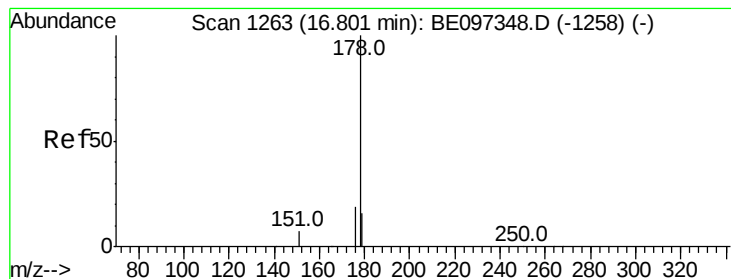


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.302 ng

RT: 16.80 min Scan# 1264

Delta R.T. -0.00 min

Lab File: BE097355.D

Acq: 23 Aug 2018 11:29

Instrument :

BNA_E

ClientSampleId :

PB112113BS

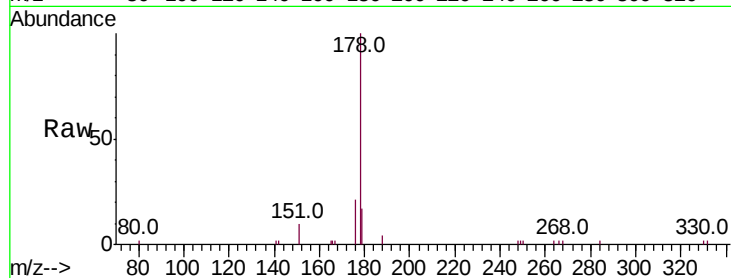
Tot Ion:178 Resp: 3805

Ion Ratio Lower Upper

178 100

176 19.6 15.1 22.7

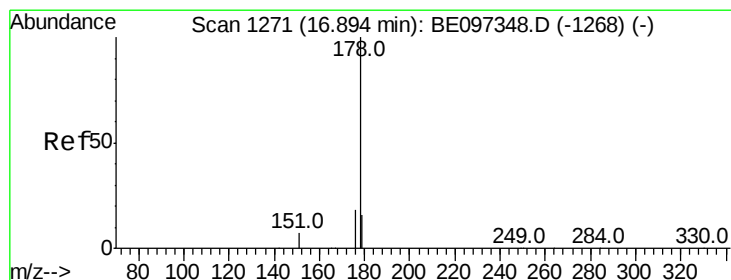
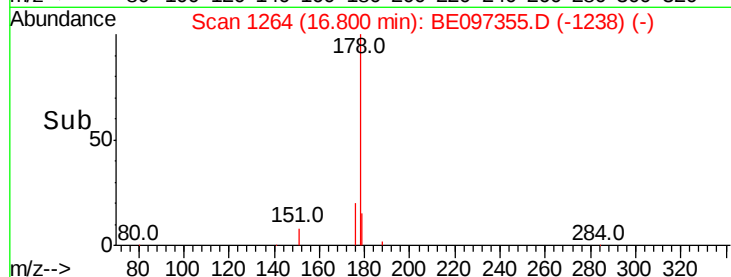
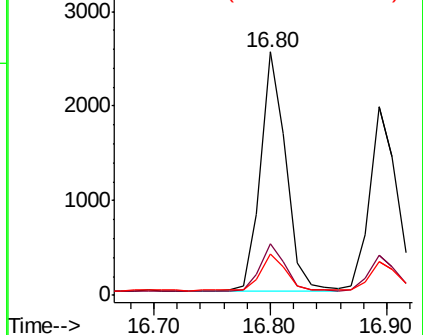
179 15.4 11.8 17.6



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: 0.295 ng

RT: 16.89 min Scan# 1272

Delta R.T. -0.00 min

Lab File: BE097355.D

Acq: 23 Aug 2018 11:29

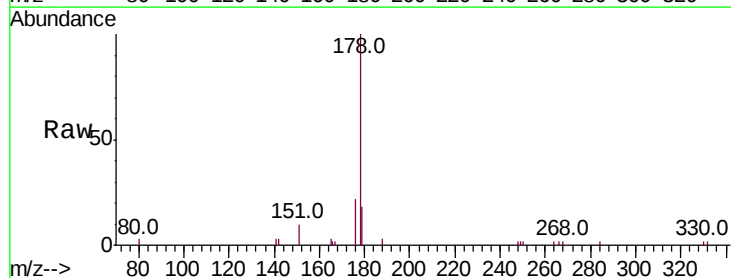
Tgt Ion:178 Resp: 3160

Ion Ratio Lower Upper

178 100

176 19.6 12.8 19.2#

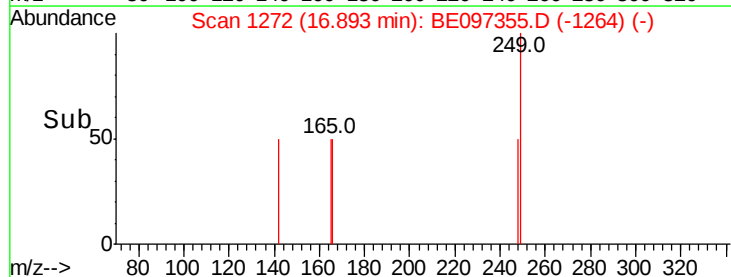
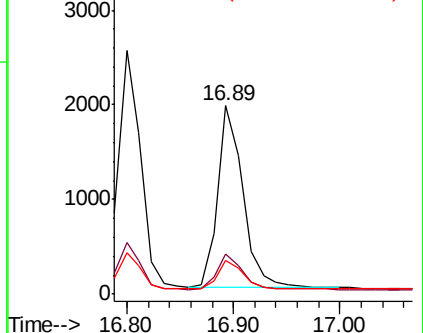
179 15.6 13.0 19.6

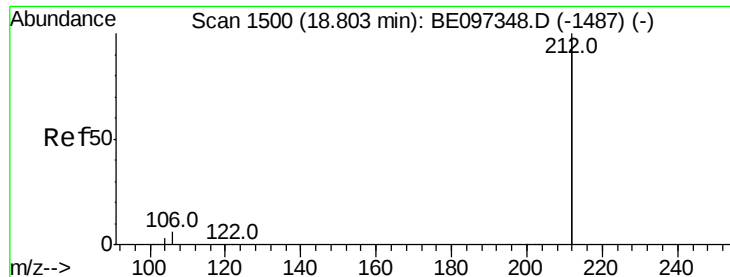


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.244 ng

RT: 18.80 min Scan# 1502

Delta R.T. 0.00 min

Lab File: BE097355.D

Acq: 23 Aug 2018 11:29

Instrument :

BNA_E

ClientSampleId :

PB112113BS

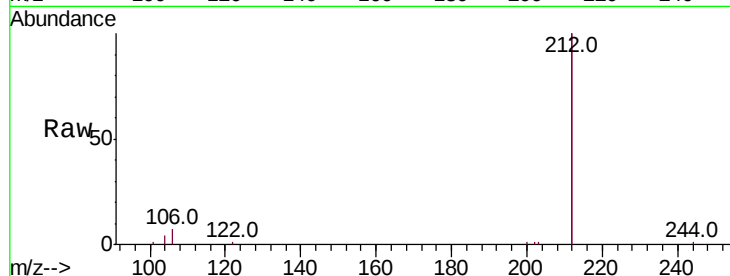
Tot Ion:212 Resp: 14814

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

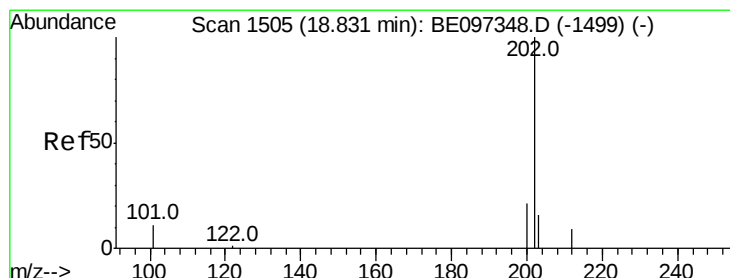
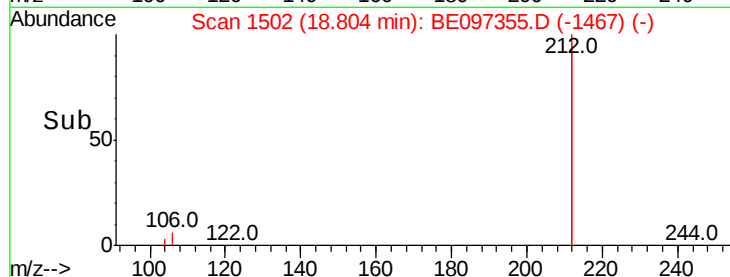
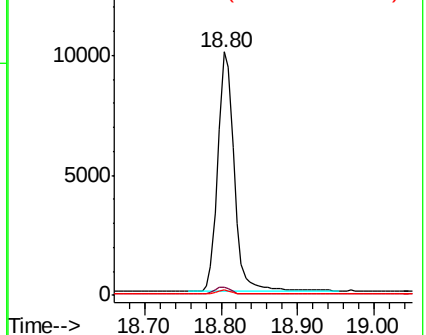
104 1.7 1.6 2.4



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: 0.257 ng

RT: 18.83 min Scan# 1507

Delta R.T. 0.00 min

Lab File: BE097355.D

Acq: 23 Aug 2018 11:29

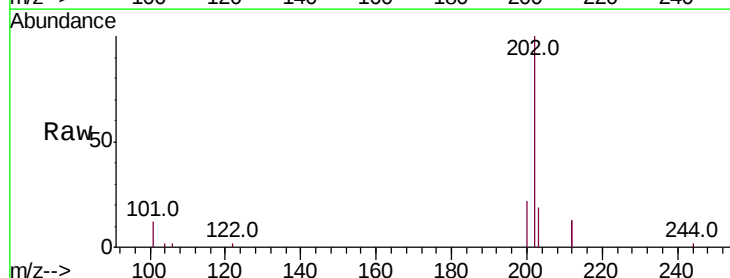
Tgt Ion:202 Resp: 4062

Ion Ratio Lower Upper

202 100

101 11.2 9.8 14.8

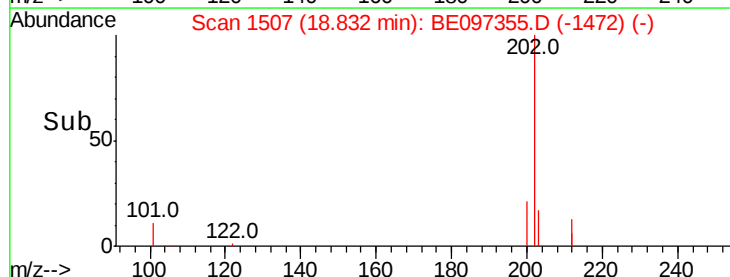
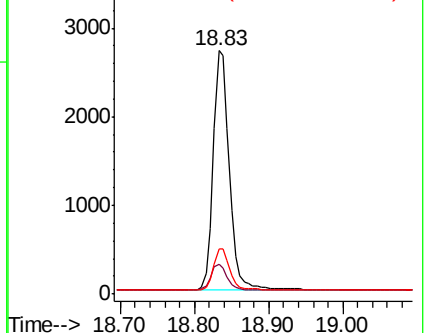
203 17.0 13.7 20.5

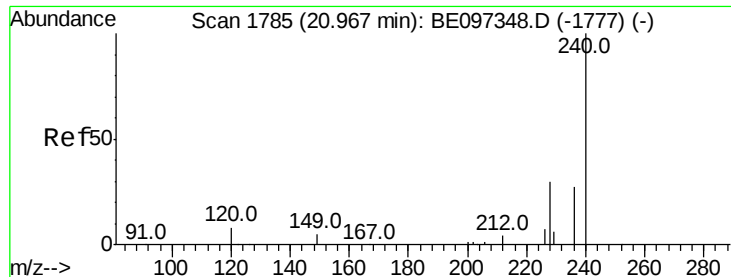


Abundance Ion 202.00 (201.70 to 202.70): E

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# 1787

Delta R.T. -0.00 min

Lab File: BE097355.D

Acq: 23 Aug 2018 11:29

Instrument :

BNA_E

ClientSampleId :

PB112113BS

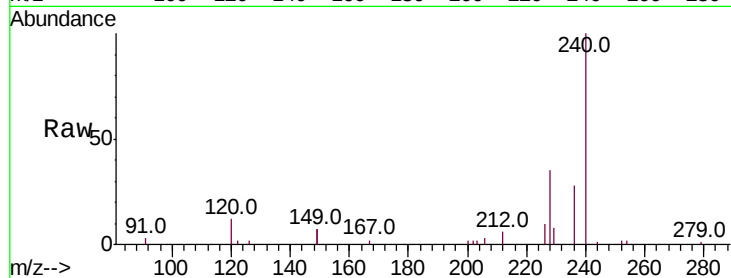
Tot Ion:240 Resp: 5047

Ion Ratio Lower Upper

240 100

120 11.7 5.5 8.3#

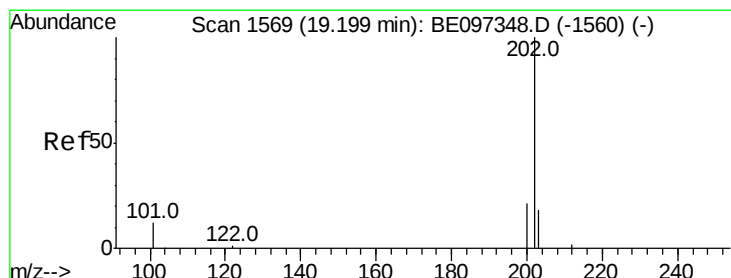
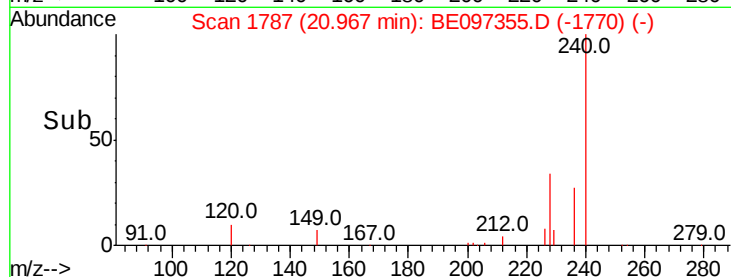
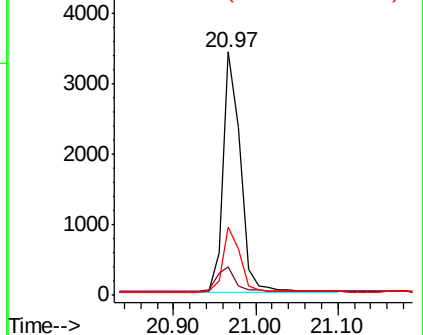
236 28.2 20.7 31.1



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: 0.338 ng

RT: 19.20 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BE097355.D

Acq: 23 Aug 2018 11:29

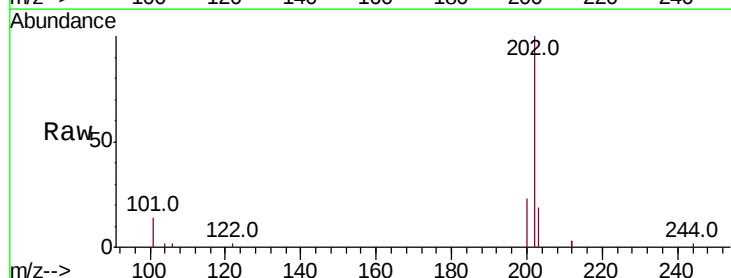
Tgt Ion:202 Resp: 4055

Ion Ratio Lower Upper

202 100

200 21.1 16.6 25.0

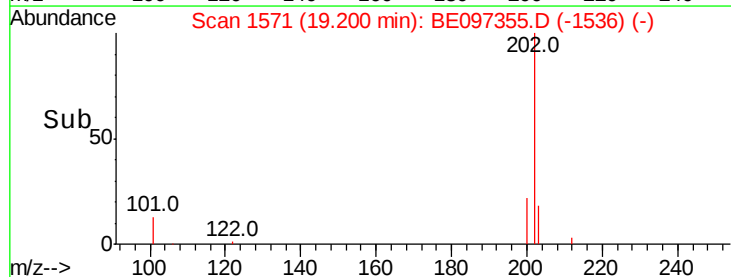
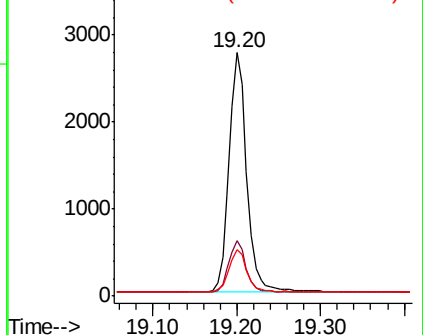
203 17.6 13.8 20.8

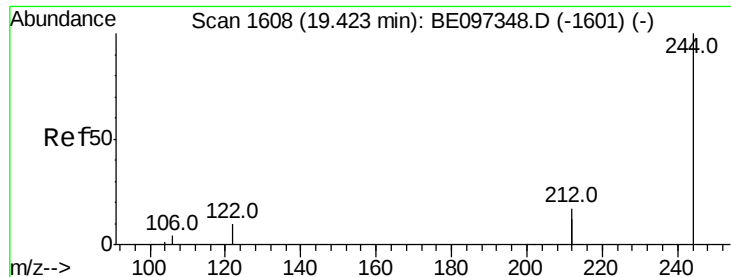


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

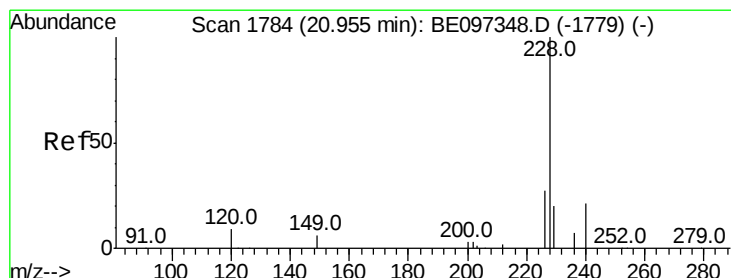
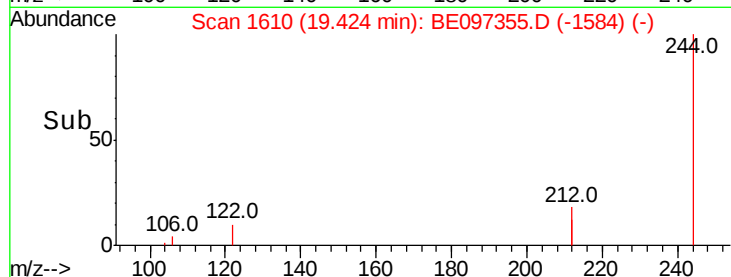
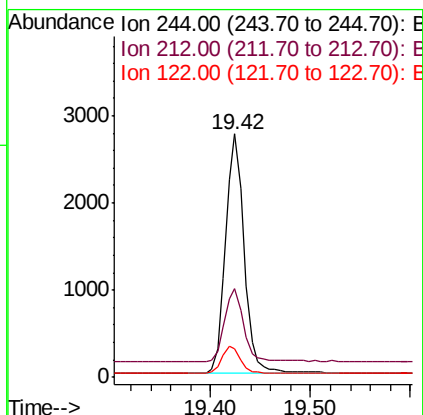
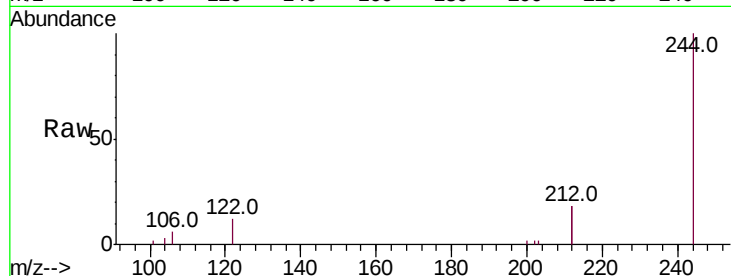




#29
 Terphenyl-d14
 Concen: 0.384 ng
 RT: 19.42 min Scan# 1610
 Delta R.T. 0.00 min
 Lab File: BE097355.D
 Acq: 23 Aug 2018 11:29

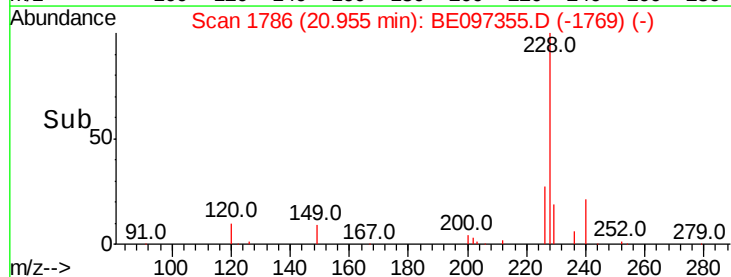
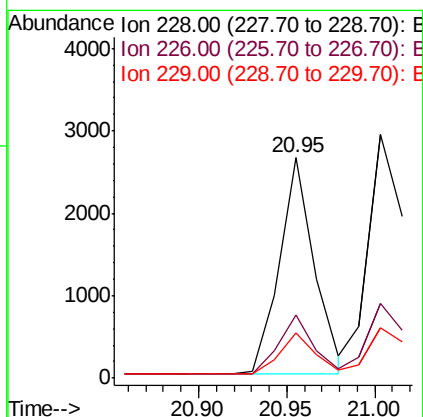
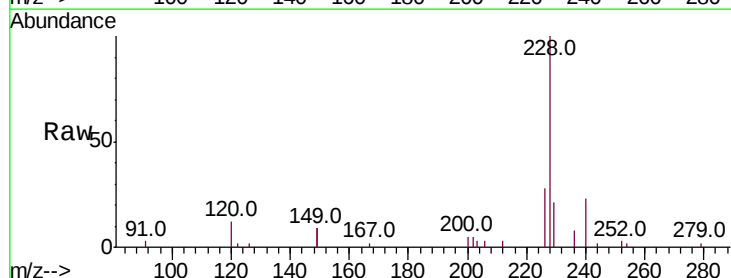
Instrument :
 BNA_E
 ClientSampleId :
 PB112113BS

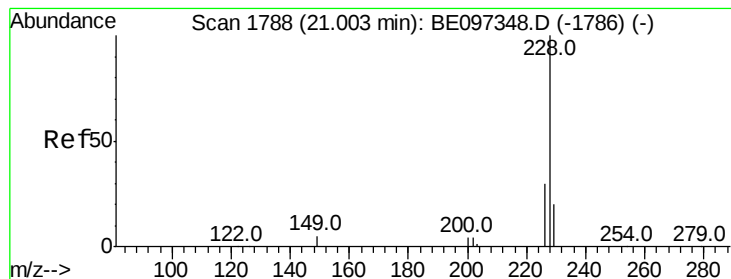
Tot Ion:244 Resp: 3572
 Ion Ratio Lower Upper
 244 100
 212 36.2 25.4 38.0
 122 11.6 8.1 12.1



#30
 Benzo(a)anthracene
 Concen: 0.284 ng
 RT: 20.95 min Scan# 1786
 Delta R.T. -0.00 min
 Lab File: BE097355.D
 Acq: 23 Aug 2018 11:29

Tgt Ion:228 Resp: 3629
 Ion Ratio Lower Upper
 228 100
 226 28.5 24.0 36.0
 229 20.8 16.0 24.0





#31

Chrysene

Concen: 0.304 ng

RT: 21.00 min Scan# 1790

Delta R.T. -0.00 min

Lab File: BE097355.D

Acq: 23 Aug 2018 11:29

Instrument :

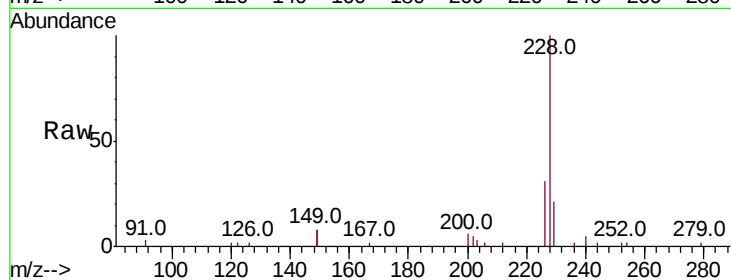
BNA_E

ClientSampleId :

PB112113BS

Tot Ion:228 Resp: 4178

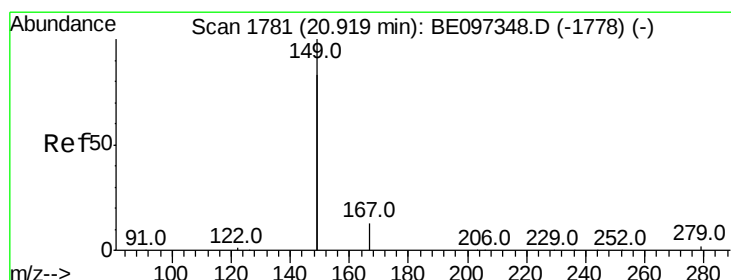
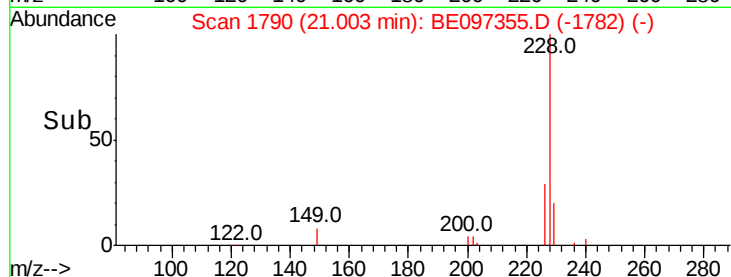
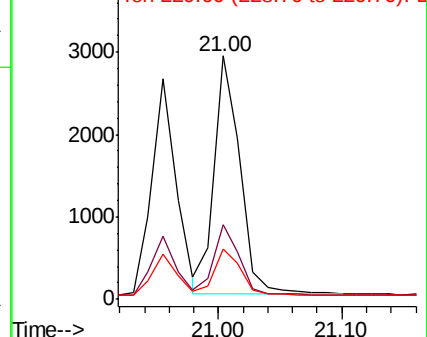
Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.0	36.0
229	20.8	16.0	24.0



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.303 ng

RT: 20.92 min Scan# 1783

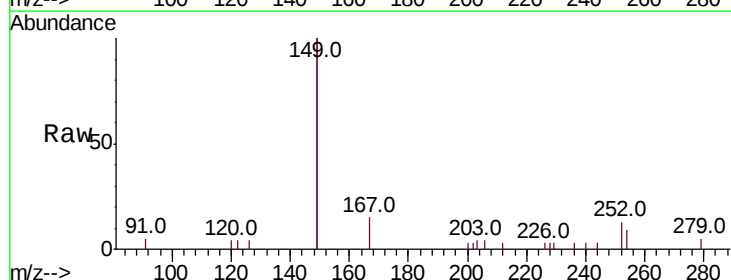
Delta R.T. 0.00 min

Lab File: BE097355.D

Acq: 23 Aug 2018 11:29

Tgt Ion:149 Resp: 3952

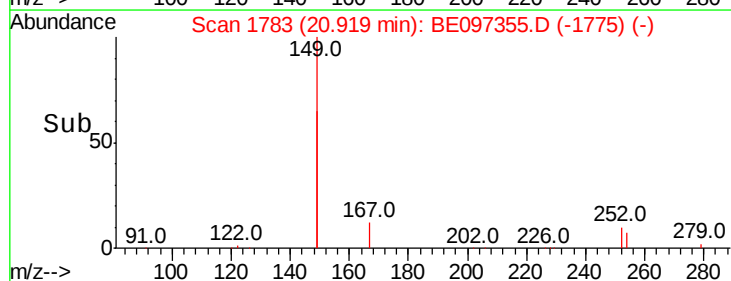
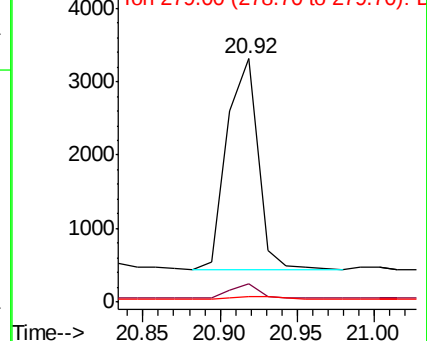
Ion	Ratio	Lower	Upper
149	100		
167	6.5	5.4	8.0
279	1.2	0.7	1.1#

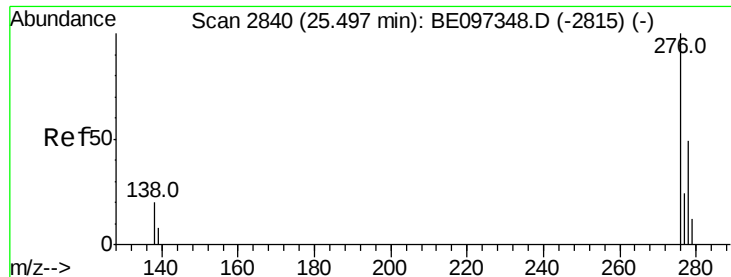


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.305 ng

RT: 25.50 min Scan# 2843

Delta R.T. 0.00 min

Lab File: BE097355.D

Acq: 23 Aug 2018 11:29

Instrument :

BNA_E

ClientSampleId :

PB112113BS

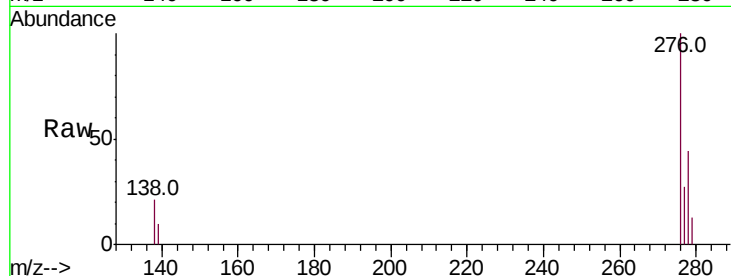
Tot Ion:276 Resp: 5561

Ion Ratio Lower Upper

276 100

138 21.2 22.5 33.7#

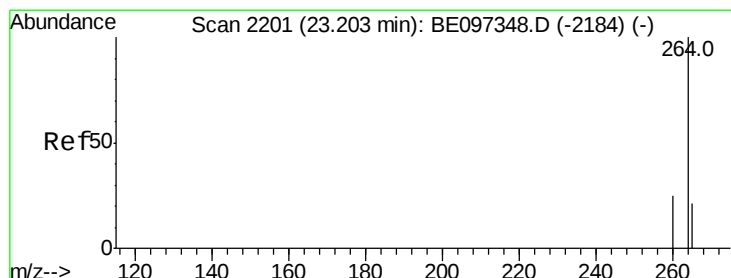
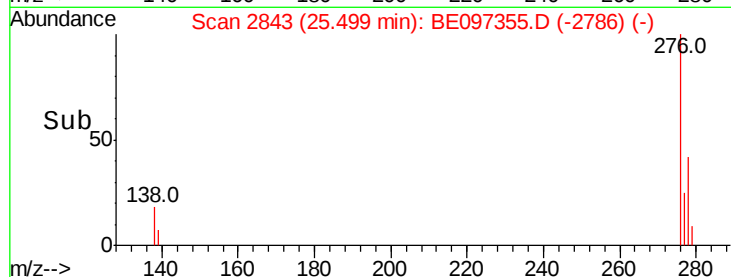
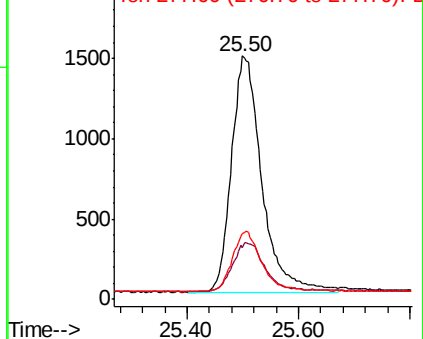
277 24.8 19.9 29.9



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: 23.21 min Scan# 2204

Delta R.T. 0.00 min

Lab File: BE097355.D

Acq: 23 Aug 2018 11:29

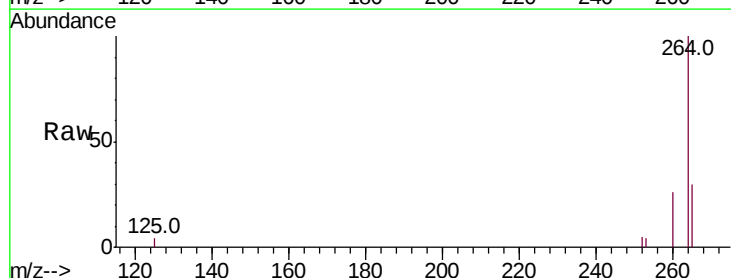
Tgt Ion:264 Resp: 4860

Ion Ratio Lower Upper

264 100

260 25.9 20.5 30.7

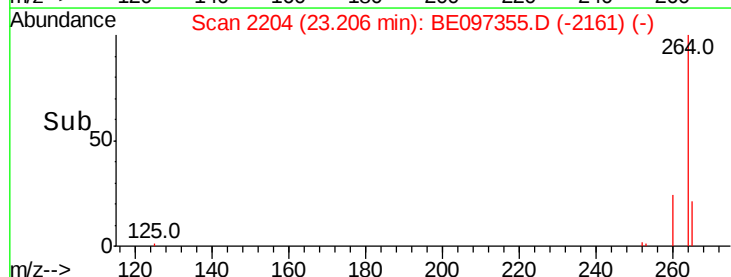
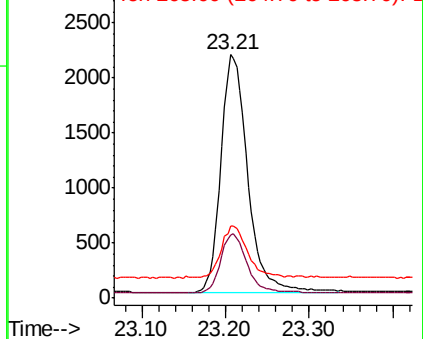
265 29.7 22.8 34.2

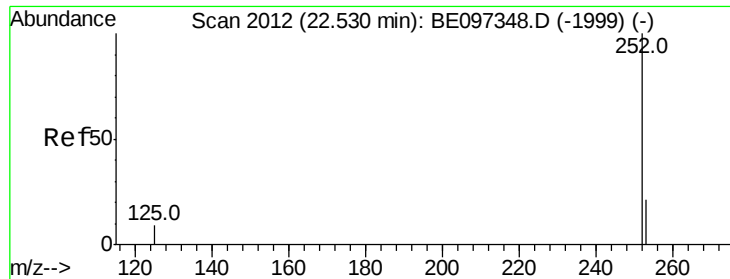


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.294 ng

RT: 22.53 min Scan# 2015

Delta R.T. 0.00 min

Lab File: BE097355.D

Acq: 23 Aug 2018 11:29

Instrument :

BNA_E

ClientSampleId :

PB112113BS

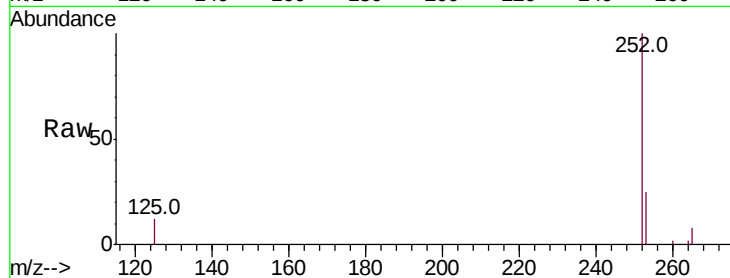
Tot Ion:252 Resp: 3771

Ion Ratio Lower Upper

252 100

253 25.1 20.0 30.0

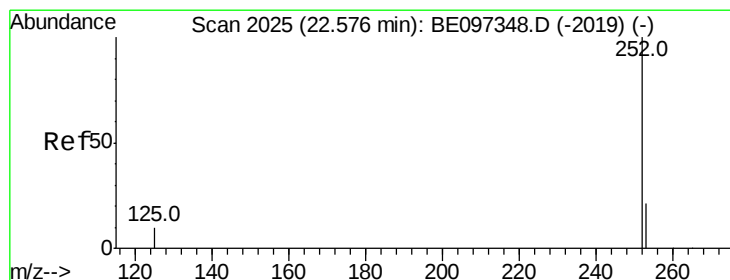
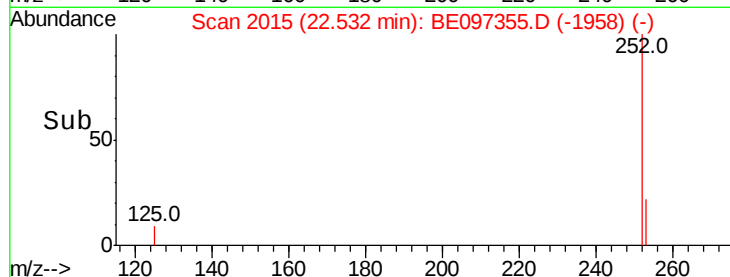
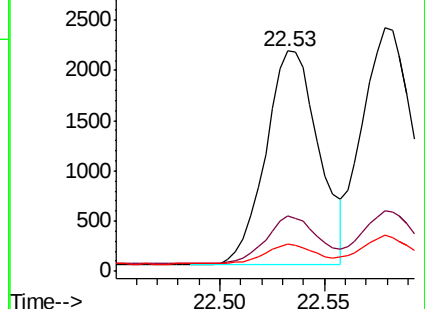
125 12.2 16.0 24.0#



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: 0.303 ng

RT: 22.58 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BE097355.D

Acq: 23 Aug 2018 11:29

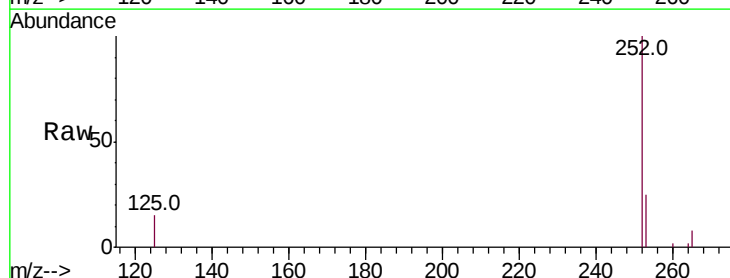
Tgt Ion:252 Resp: 4294

Ion Ratio Lower Upper

252 100

253 25.0 16.0 24.0#

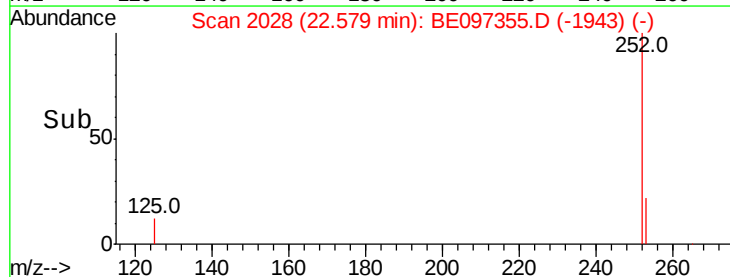
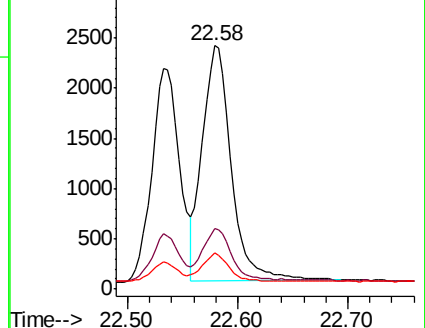
125 14.7 8.0 12.0#

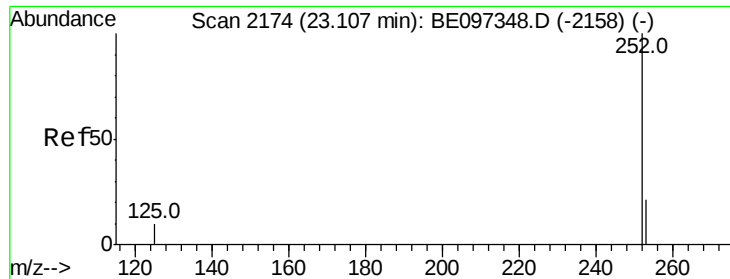


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.277 ng

RT: 23.11 min Scan# 2177

Delta R.T. 0.00 min

Lab File: BE097355.D

Acq: 23 Aug 2018 11:29

Instrument :

BNA_E

ClientSampleId :

PB112113BS

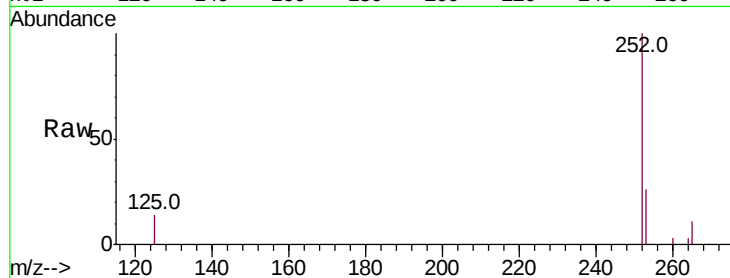
Tot Ion:252 Resp: 3478

Ion Ratio Lower Upper

252 100

253 25.6 16.0 24.0#

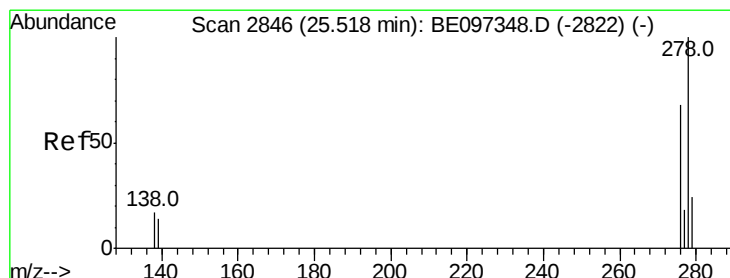
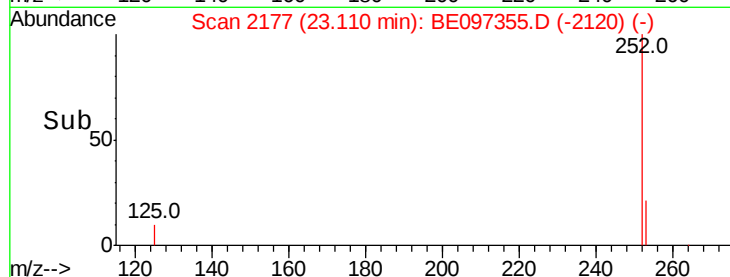
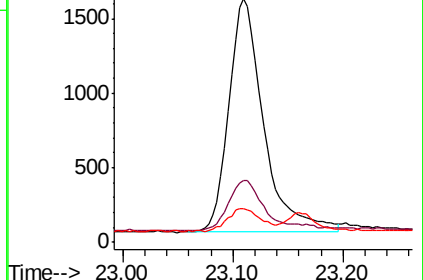
125 14.1 12.0 18.0



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: 0.315 ng

RT: 25.52 min Scan# 2850

Delta R.T. 0.01 min

Lab File: BE097355.D

Acq: 23 Aug 2018 11:29

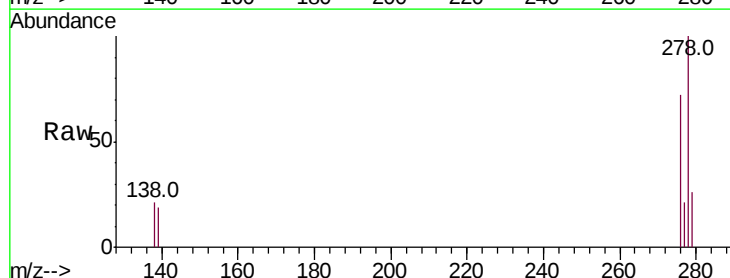
Tgt Ion:278 Resp: 4762

Ion Ratio Lower Upper

278 100

139 19.2 16.0 24.0

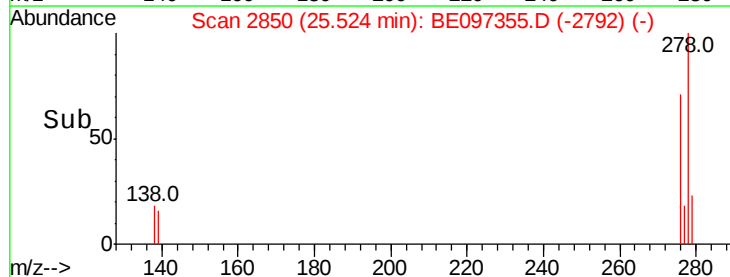
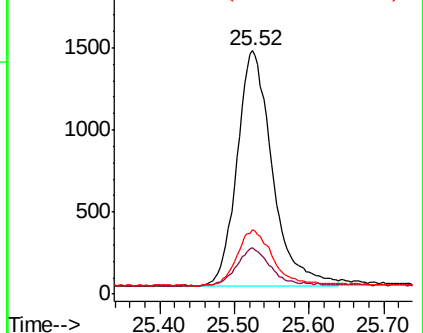
279 26.4 20.0 30.0

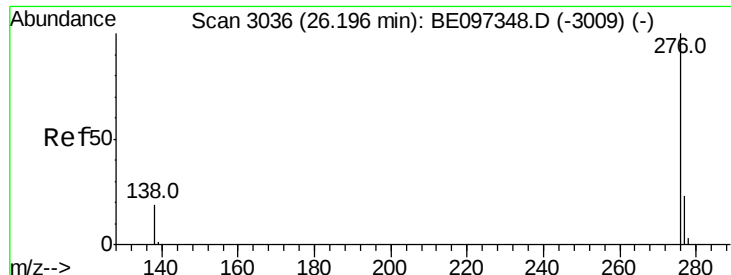


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.314 ng

RT: 26.20 min Scan# 3039

Delta R.T. 0.00 min

Lab File: BE097355.D

Acq: 23 Aug 2018 11:29

Instrument :

BNA_E

ClientSampleId :

PB112113BS

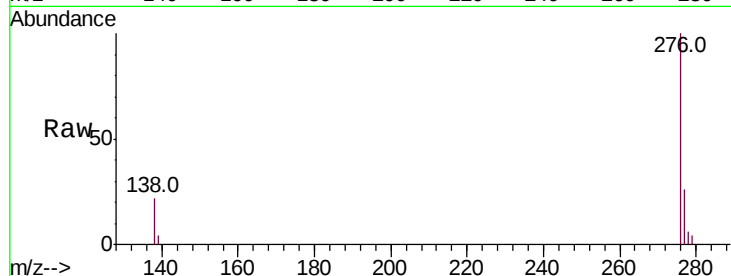
Tot Ion: 276 Resp: 4924

Ion Ratio Lower Upper

276 100

277 25.7 16.0 24.0#

138 21.9 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

