

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091918\
 Data File : BE097569.D
 Acq On : 20 Sep 2018 9:37
 Operator : SJ/JU
 Sample : PB112778BS
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB112778BS

Quant Time: Sep 20 10:49:43 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE091918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 19 16:26:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	1184	0.40	ng	0.00
7) Naphthalene-d8	10.13	136	4944	0.40	ng	0.00
13) Acenaphthene-d10	14.00	164	2353	0.40	ng	0.00
19) Phenanthrene-d10	16.75	188	5375	0.40	ng	0.00
27) Chrysene-d12	20.97	240	7596	0.40	ng	0.00
34) Perylene-d12	23.21	264	7920	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.06	112	1399	0.39	ng	0.02
5) Phenol-d6	6.61	99	1558	0.34	ng	0.01
8) Nitrobenzene-d5	8.53	82	1499	0.39	ng	0.01
11) 2-Methylnaphthalene-d10	11.71	152	3727	0.55	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	279	0.34	ng	0.00
15) 2-Fluorobiphenyl	12.62	172	3902	0.47	ng	0.00
25) Fluoranthene-d10	18.80	212	26434	0.38	ng	0.00
29) Terphenyl-d14	19.42	244	4834	0.35	ng	0.00

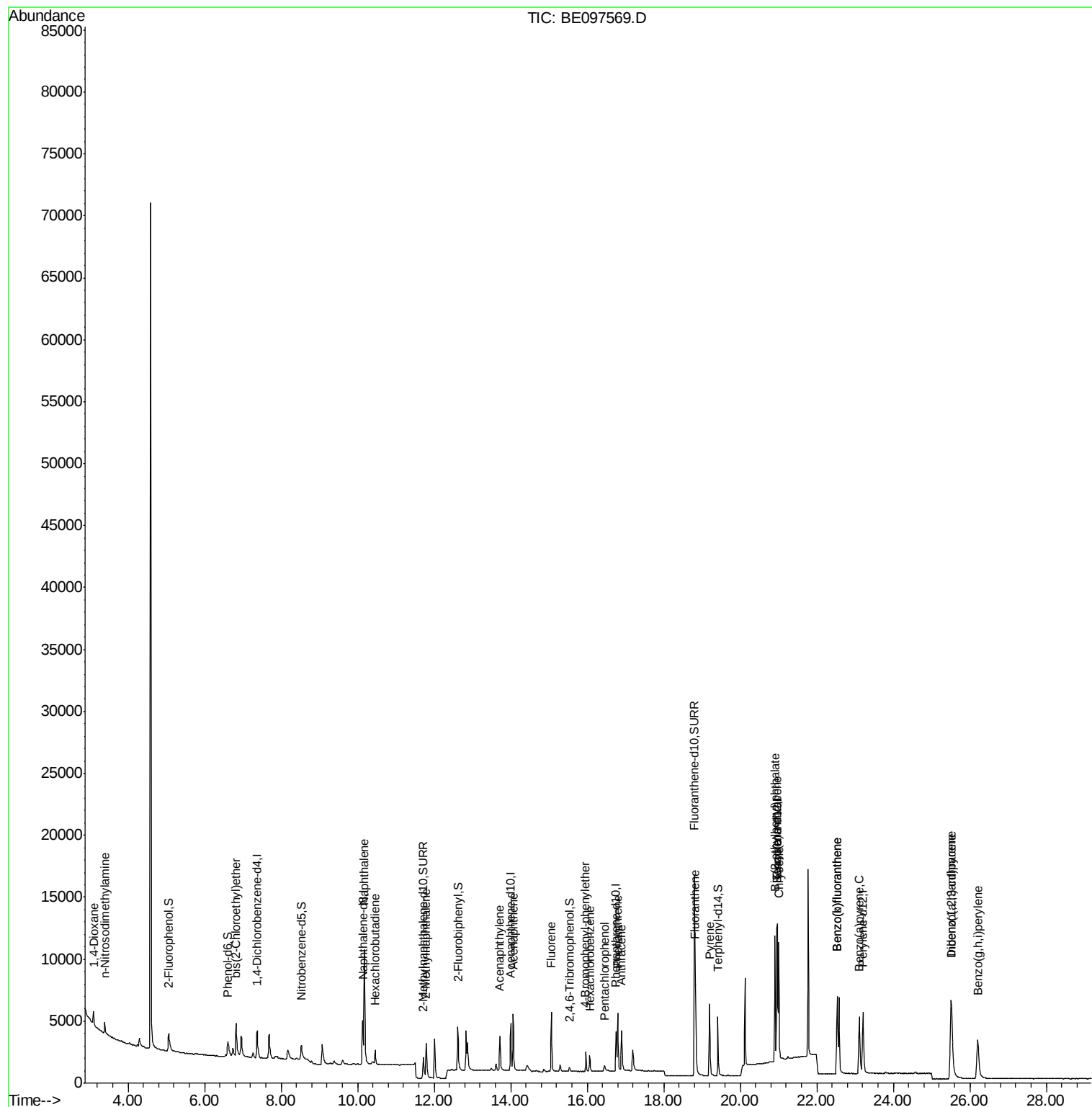
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.09	88	670	0.324	ng	# 88
3) n-Nitrosodimethylamine	3.38	42	632	0.369	ng	# 84
6) bis(2-Chloroethyl)ether	6.83	93	1336	0.318	ng	85
9) Naphthalene	10.17	128	18267	0.410	ng	100
10) Hexachlorobutadiene	10.46	225	763	0.372	ng	98
12) 2-Methylnaphthalene	11.80	142	2746	0.395	ng	100
16) Acenaphthylene	13.72	152	3671	0.395	ng	100
17) Acenaphthene	14.06	154	2480	0.398	ng	97
18) Fluorene	15.06	166	3106	0.382	ng	# 79
20) 4-Bromophenyl-phenylether	15.96	248	945	0.390	ng	# 79
21) Hexachlorobenzene	16.07	284	1114	0.418	ng	# 85
22) Pentachlorophenol	16.45	266	488	0.538	ng	# 79
23) Phenanthrene	16.80	178	5160	0.404	ng	98
24) Anthracene	16.89	178	4419	0.392	ng	96
26) Fluoranthene	18.83	202	6383	0.360	ng	98
28) Pyrene	19.20	202	6464	0.374	ng	98
30) Benzo(a)anthracene	20.95	228	7578	0.396	ng	97
31) Chrysene	21.00	228	8199	0.400	ng	99
32) Bis(2-ethylhexyl)phthalate	20.91	149	10482	0.337	ng	99
33) Indeno(1,2,3-cd)pyrene	25.50	276	10640	0.431	ng	# 91
35) Benzo(b)fluoranthene	22.53	252	8443	0.416	ng	# 90
36) Benzo(k)fluoranthene	22.53	252	8443	0.364	ng	94
37) Benzo(a)pyrene	23.11	252	8418	0.427	ng	# 92
38) Dibenzo(a,h)anthracene	25.52	278	8855	0.416	ng	# 94
39) Benzo(g,h,i)perylene	26.21	276	8882	0.429	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: BE097569.D

Acq: 20 Sep 2018 9:37

Instrument :

BNA_E

ClientSampleId :

PB112778BS

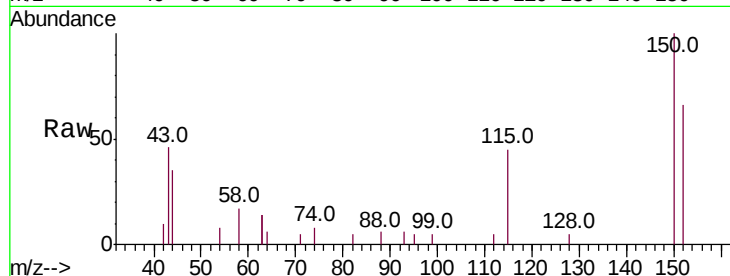
Tot Ion:152 Resp: 1184

Ion Ratio Lower Upper

152 100

150 150.4 117.2 175.8

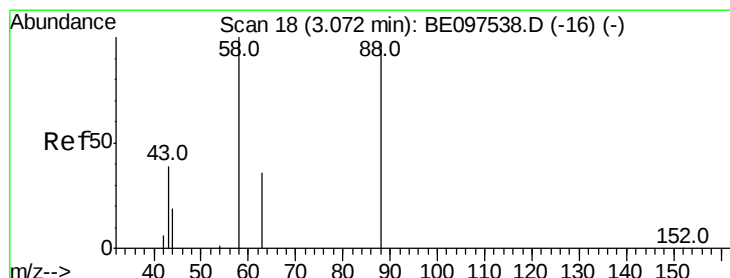
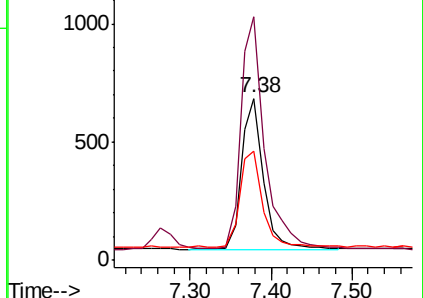
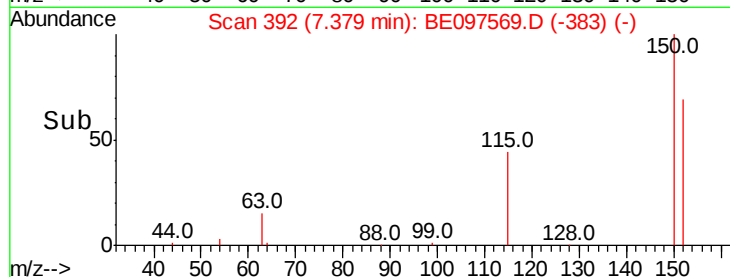
115 67.1 57.0 85.6



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: 0.324 ng

RT: 3.09 min Scan# 20

Delta R.T. 0.02 min

Lab File: BE097569.D

Acq: 20 Sep 2018 9:37

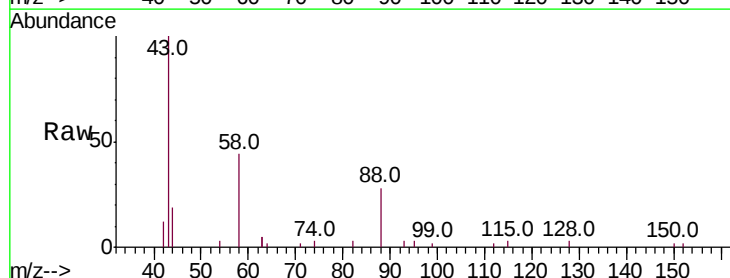
Tgt Ion: 88 Resp: 670

Ion Ratio Lower Upper

88 100

58 86.9 63.2 94.8

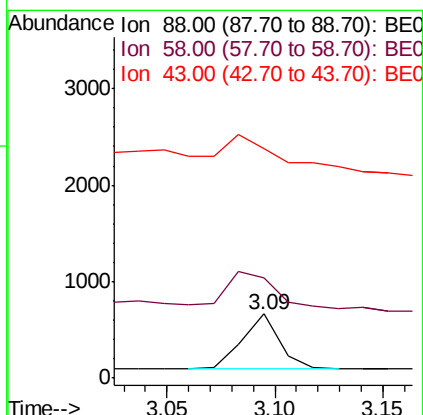
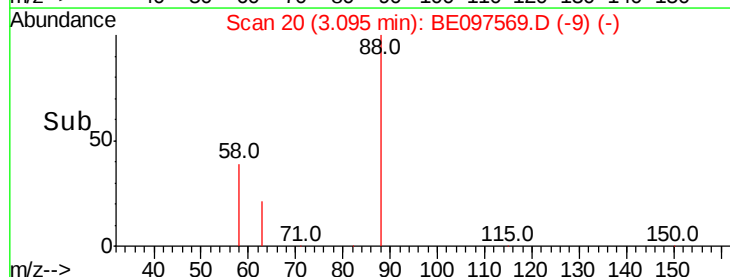
43 62.5 41.2 61.8#



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: 0.369 ng

RT: 3.38 min Scan# 45

Delta R.T. 0.01 min

Lab File: BE097569.D

Acq: 20 Sep 2018 9:37

Instrument :

BNA_E

ClientSampleId :

PB112778BS

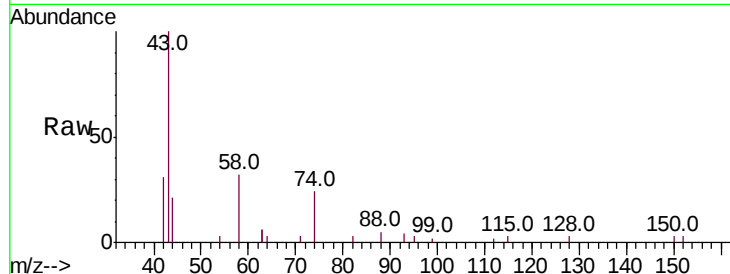
Tot Ion: 42 Resp: 632

Ion Ratio Lower Upper

42 100

74 138.9 96.0 144.0

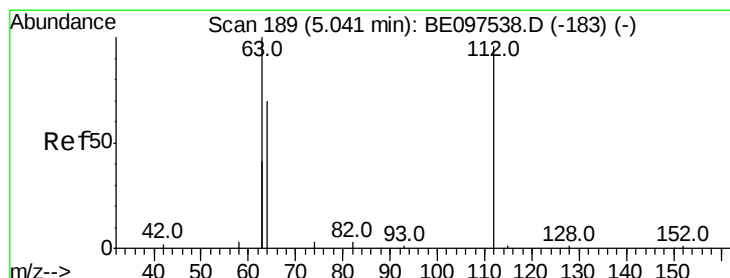
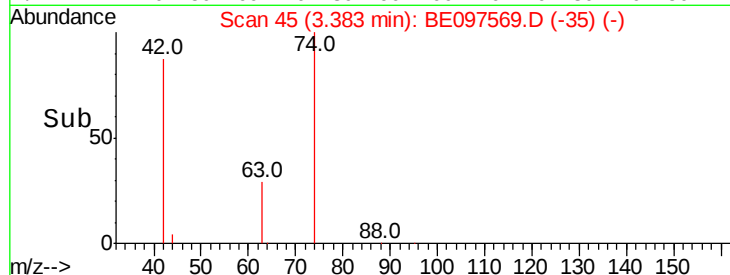
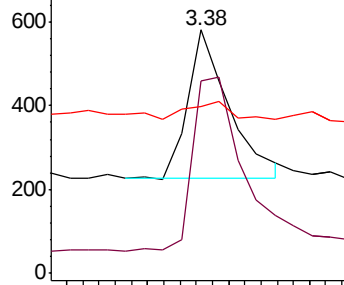
44 11.9 12.0 18.0#



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: 0.394 ng

RT: 5.06 min Scan# 191

Delta R.T. 0.02 min

Lab File: BE097569.D

Acq: 20 Sep 2018 9:37

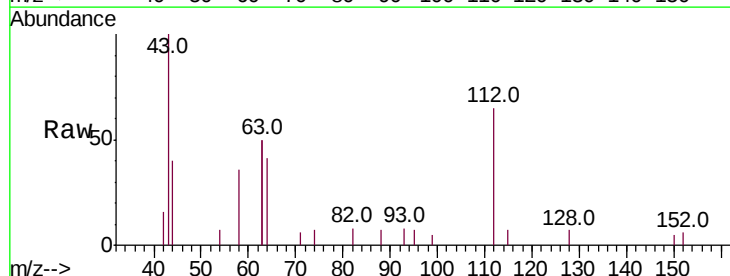
Tgt Ion: 112 Resp: 1399

Ion Ratio Lower Upper

112 100

64 65.6 60.1 90.1

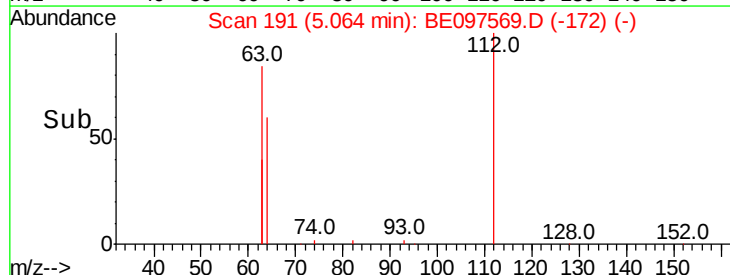
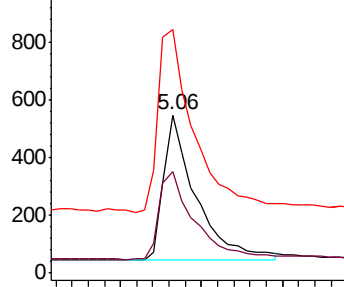
63 140.1 116.8 175.2



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: 0.343 ng

RT: 6.61 min Scan# 325

Delta R.T. 0.01 min

Lab File: BE097569.D

Acq: 20 Sep 2018 9:37

Instrument :

BNA_E

ClientSampleId :

PB112778BS

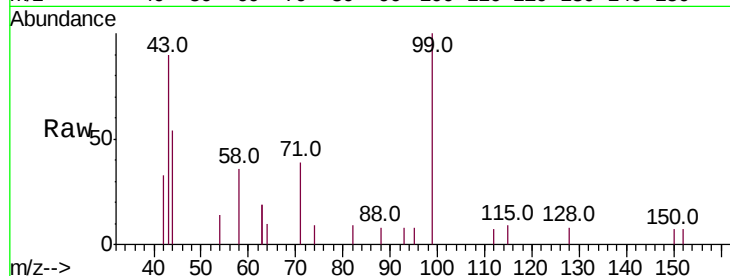
Tot Ion: 99 Resp: 1558

Ion Ratio Lower Upper

99 100

42 20.9 20.2 30.2

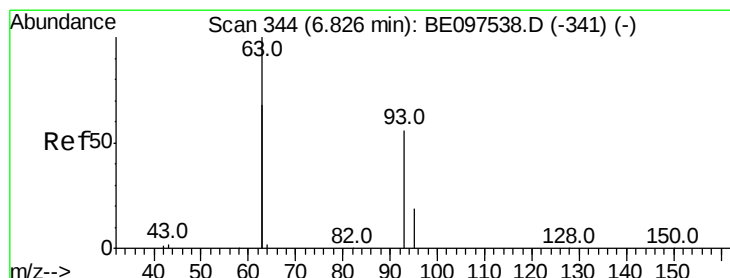
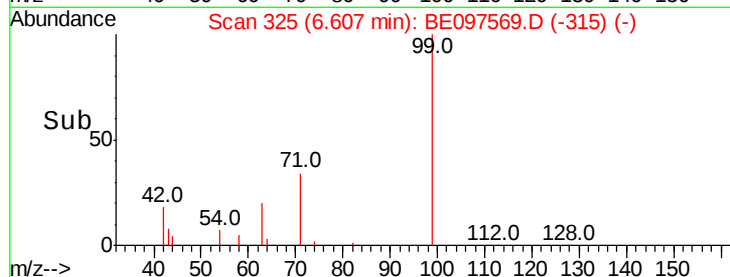
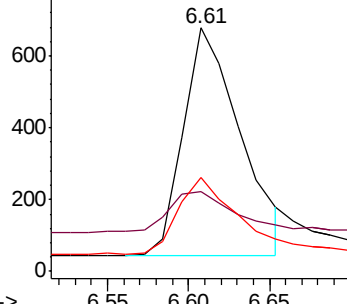
71 34.1 28.4 42.6



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



#6

bis(2-Chloroethyl)ether

Concen: 0.318 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.00 min

Lab File: BE097569.D

Acq: 20 Sep 2018 9:37

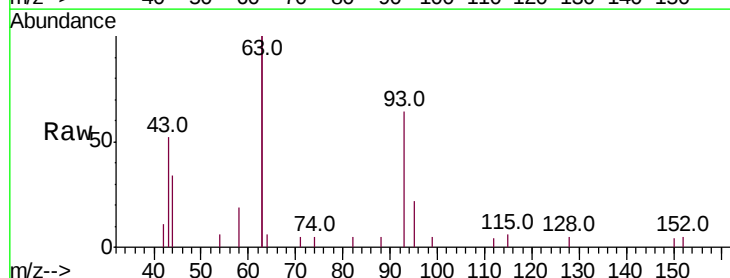
Tgt Ion: 93 Resp: 1336

Ion Ratio Lower Upper

93 100

63 310.5 275.3 412.9

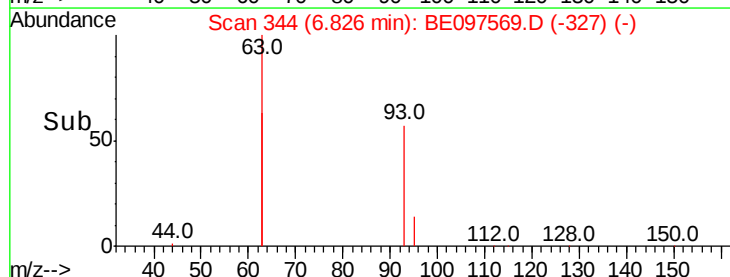
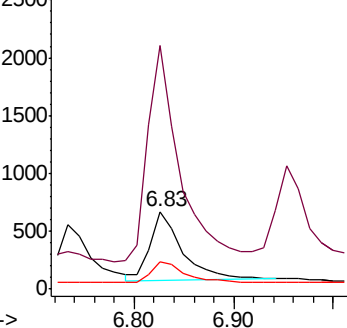
95 32.5 25.2 37.8



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





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.13 min Scan# 612

Delta R.T. -0.00 min

Lab File: BE097569.D

Acq: 20 Sep 2018 9:37

Instrument :

BNA_E

ClientSampleId :

PB112778BS

Tot Ion:136 Resp: 4944

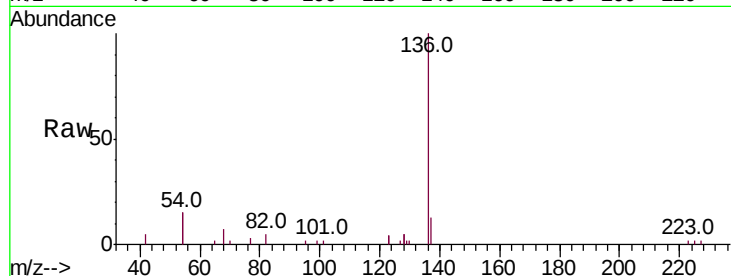
Ion Ratio Lower Upper

136 100

137 12.7 9.5 14.3

54 29.4 29.1 43.7

68 6.7 6.2 9.2

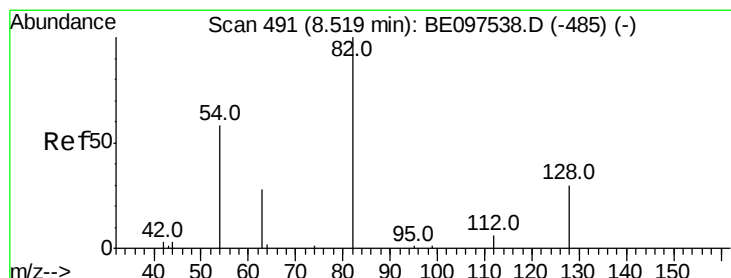
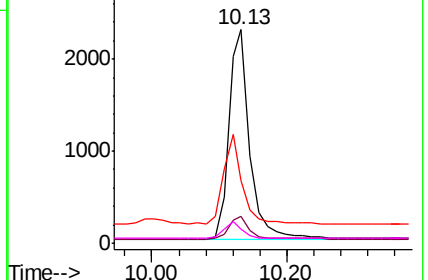
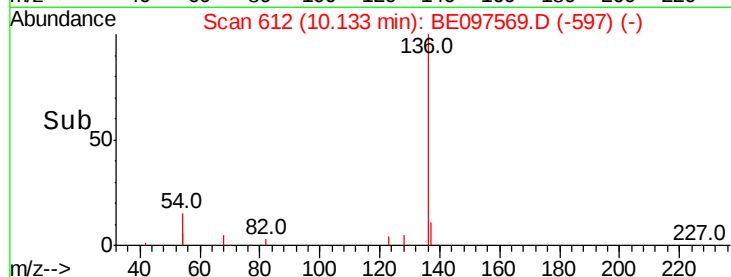


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.392 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE097569.D

Acq: 20 Sep 2018 9:37

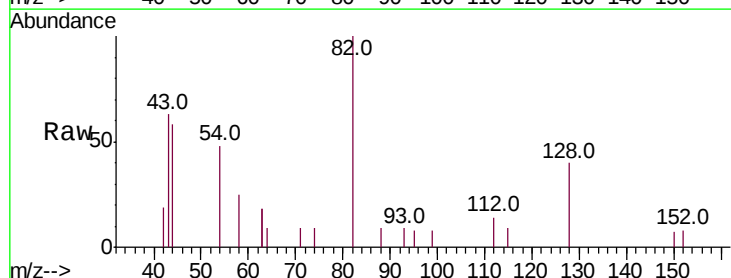
Tgt Ion: 82 Resp: 1499

Ion Ratio Lower Upper

82 100

128 40.3 24.0 36.0#

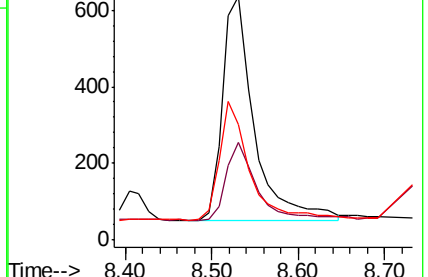
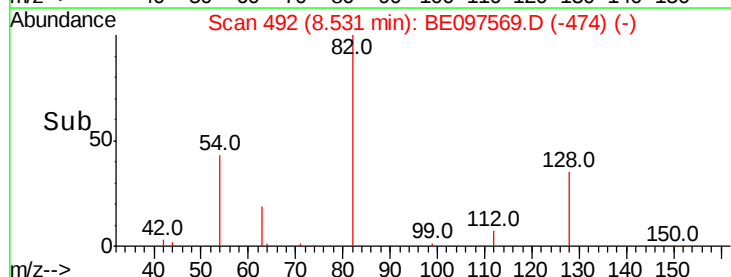
54 47.6 40.0 60.0



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: 0.410 ng

RT: 10.17 min Scan# 615

Delta R.T. -0.00 min

Lab File: BE097569.D

Acq: 20 Sep 2018 9:37

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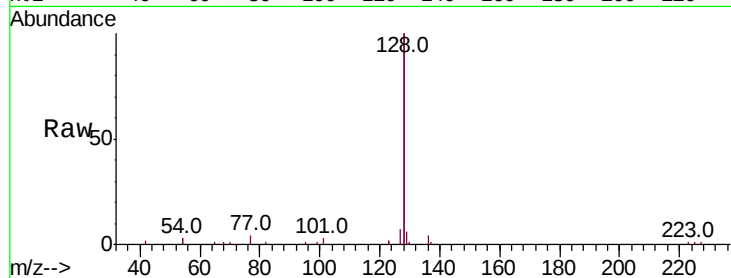
Tot Ion:128 Resp: 18267

Ion Ratio Lower Upper

128 100

129 3.2 2.6 3.8

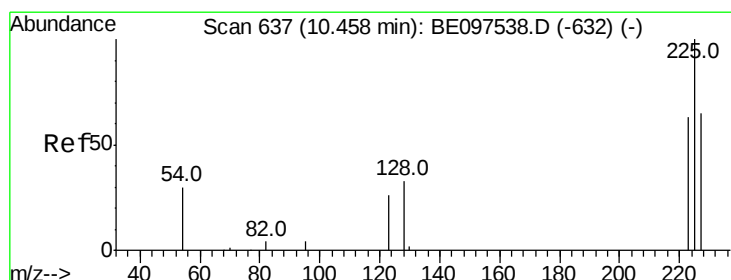
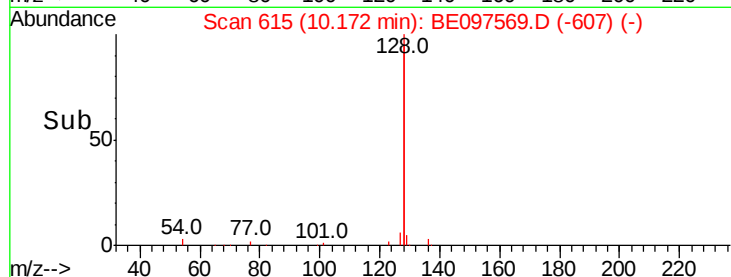
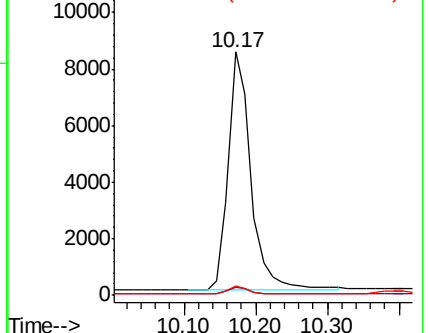
127 3.7 2.8 4.2



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: 0.372 ng

RT: 10.46 min Scan# 637

Delta R.T. -0.00 min

Lab File: BE097569.D

Acq: 20 Sep 2018 9:37

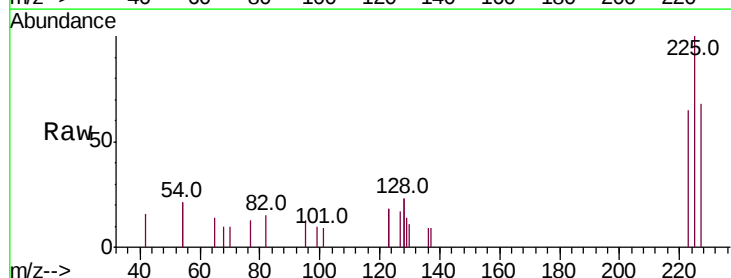
Tgt Ion:225 Resp: 763

Ion Ratio Lower Upper

225 100

223 63.8 53.0 79.6

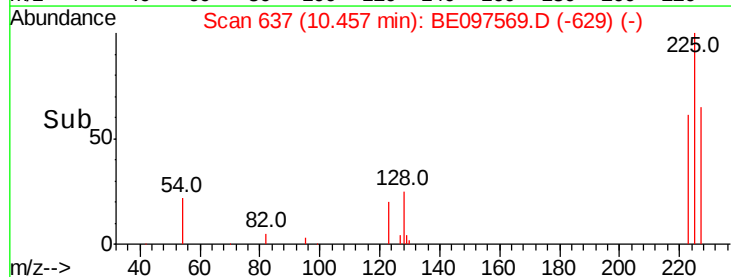
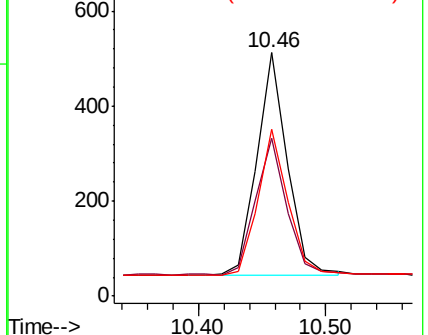
227 65.7 51.4 77.2

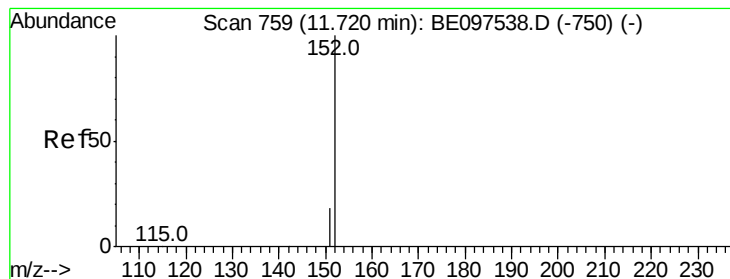


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.547 ng

RT: 11.71 min Scan# 758

Delta R.T. -0.01 min

Lab File: BE097569.D

Acq: 20 Sep 2018 9:37

Instrument :

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ClientSampleId :

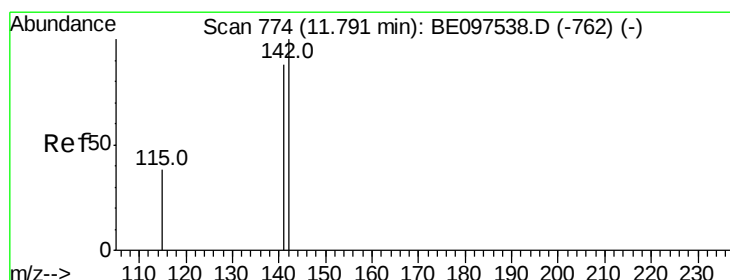
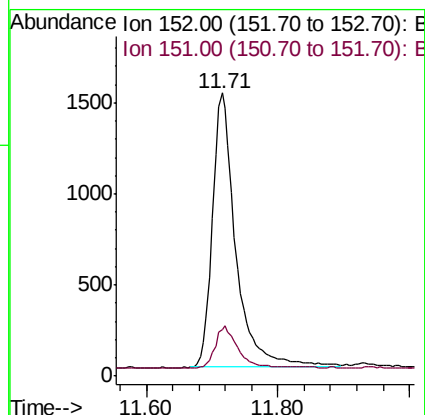
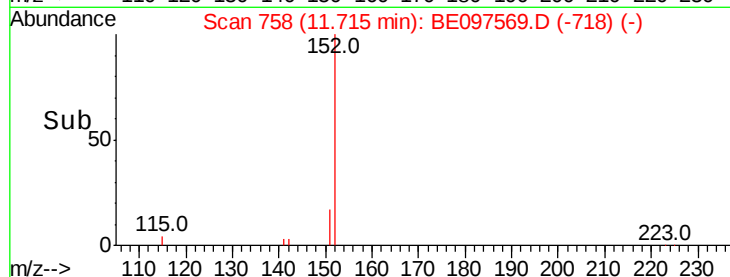
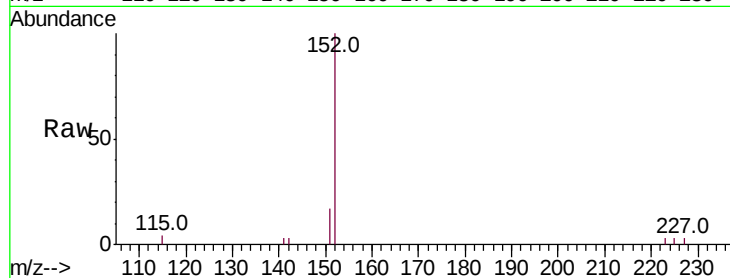
PB112778BS

Tot Ion:152 Resp: 3727

Ion Ratio Lower Upper

152 100

151 14.5 15.4 23.0#



#12

2-Methylnaphthalene

Concen: 0.395 ng

RT: 11.80 min Scan# 775

Delta R.T. 0.00 min

Lab File: BE097569.D

Acq: 20 Sep 2018 9:37

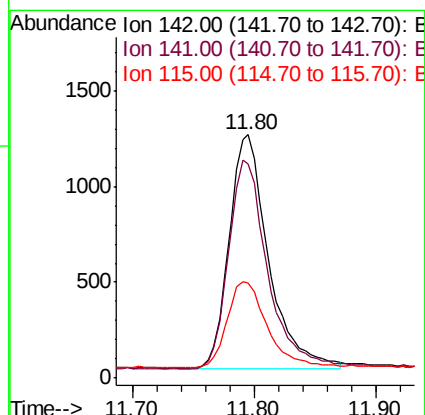
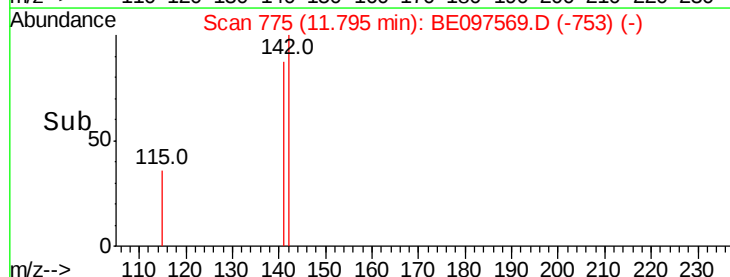
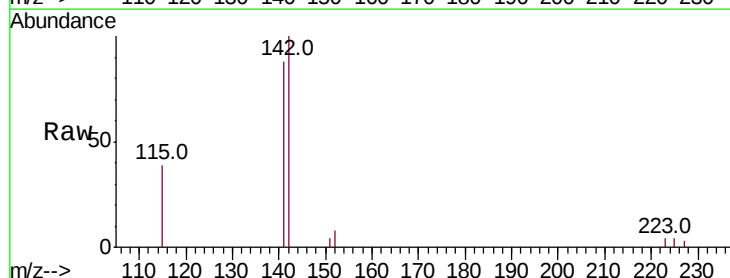
Tgt Ion:142 Resp: 2746

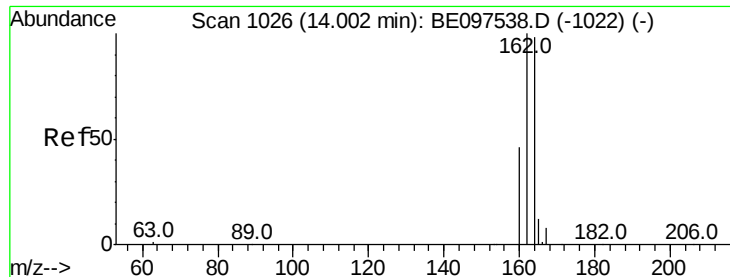
Ion Ratio Lower Upper

142 100

141 87.7 70.4 105.6

115 39.0 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.00 min Scan# 1027

Delta R.T. 0.00 min

Lab File: BE097569.D

Acq: 20 Sep 2018 9:37

Instrument :

BNA_E

ClientSampleId :

PB112778BS

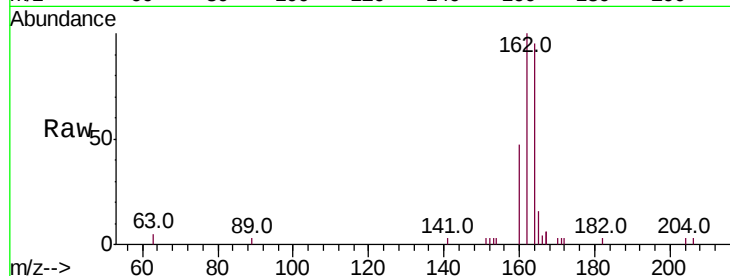
Tot Ion:164 Resp: 2353

Ion Ratio Lower Upper

164 100

162 104.8 83.1 124.7

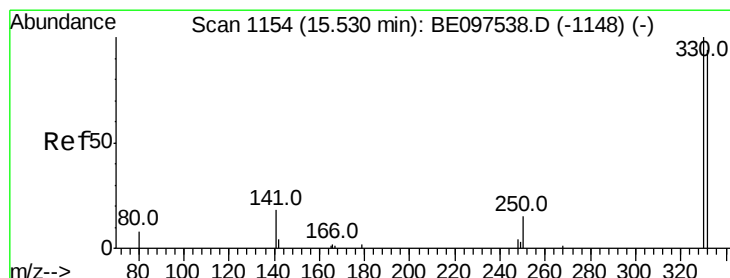
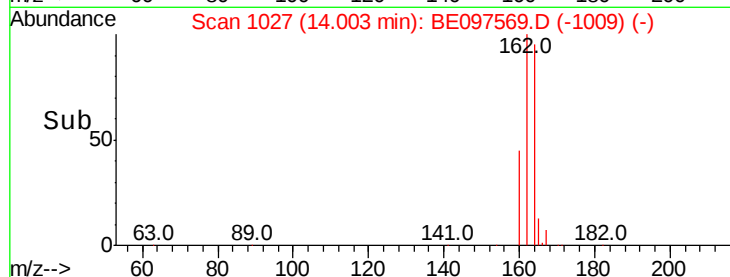
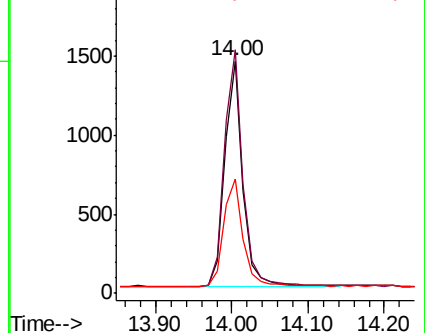
160 49.1 37.1 55.7



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: 0.339 ng

RT: 15.53 min Scan# 1155

Delta R.T. -0.00 min

Lab File: BE097569.D

Acq: 20 Sep 2018 9:37

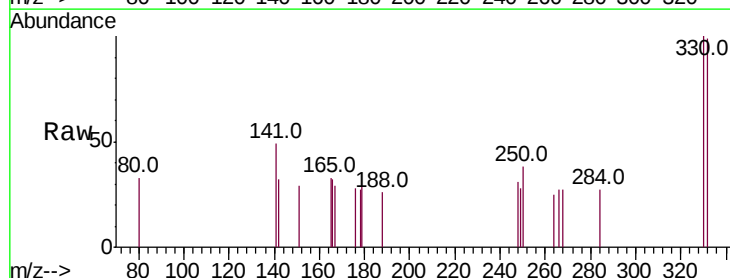
Tgt Ion:330 Resp: 279

Ion Ratio Lower Upper

330 100

332 92.1 152.7 229.1#

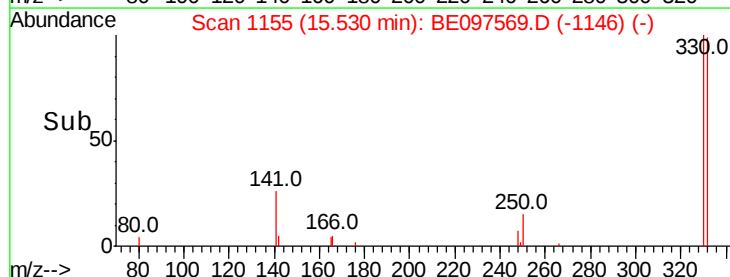
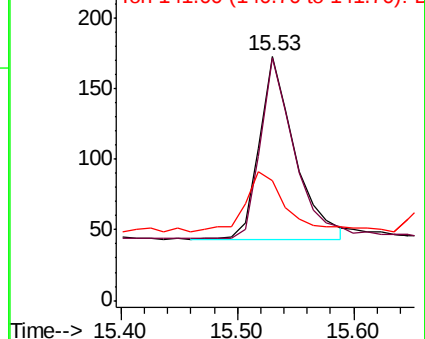
141 34.8 33.7 50.5

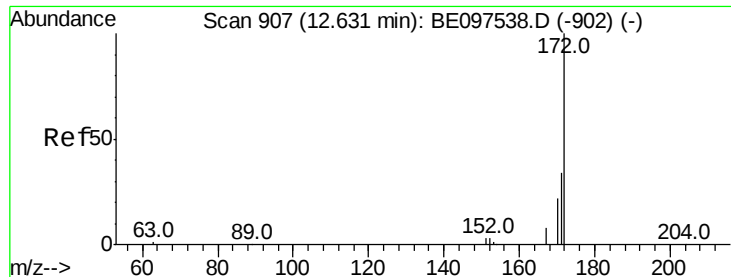


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

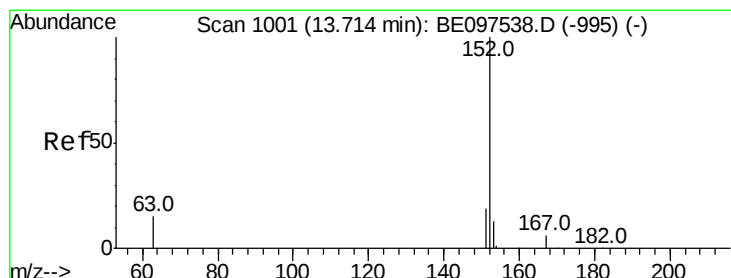
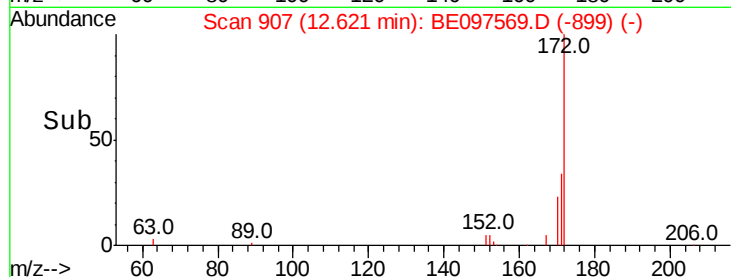
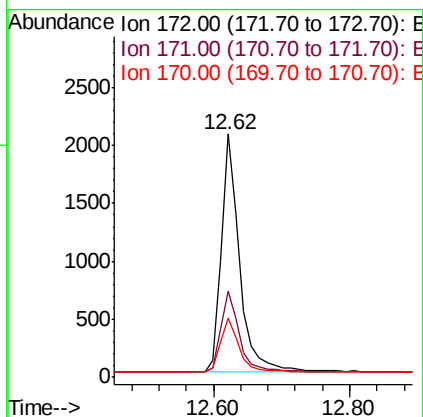
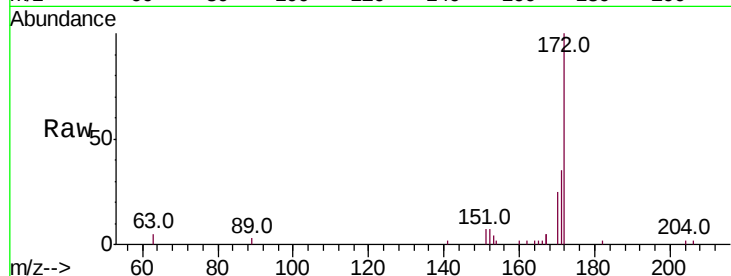




#15
 2-Fluorobiphenyl
 Concen: 0.469 ng
 RT: 12.62 min Scan# 907
 Delta R.T. -0.01 min
 Lab File: BE097569.D
 Acq: 20 Sep 2018 9:37

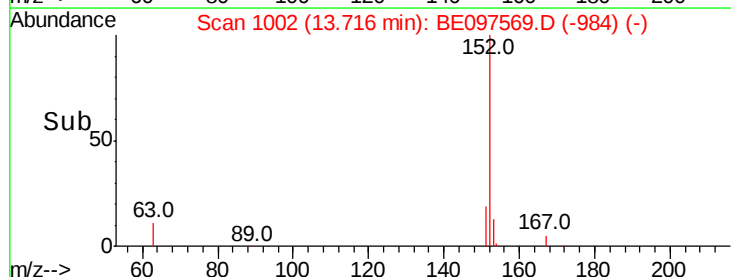
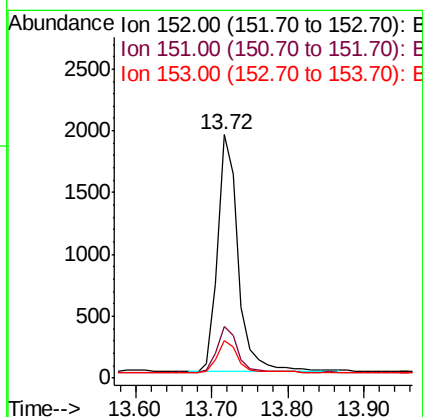
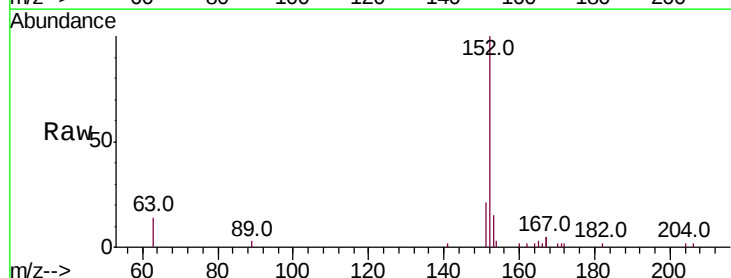
Instrument :
 BNA_E
 ClientSampleId :
 PB112778BS

Tot Ion:172 Resp: 3902
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.9 44.9
 170 24.5 21.8 32.8



#16
 Acenaphthylene
 Concen: 0.395 ng
 RT: 13.72 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: BE097569.D
 Acq: 20 Sep 2018 9:37

Tgt Ion:152 Resp: 3671
 Ion Ratio Lower Upper
 152 100
 151 19.9 15.7 23.5
 153 13.0 10.5 15.7





#17

Acenaphthene

Concen: 0.398 ng

RT: 14.06 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BE097569.D

Acq: 20 Sep 2018 9:37

Instrument :

BNA_E

ClientSampleId :

PB112778BS

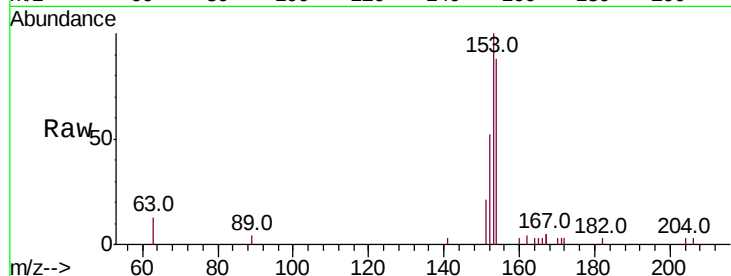
Tot Ion:154 Resp: 2480

Ion Ratio Lower Upper

154 100

153 113.1 89.2 133.8

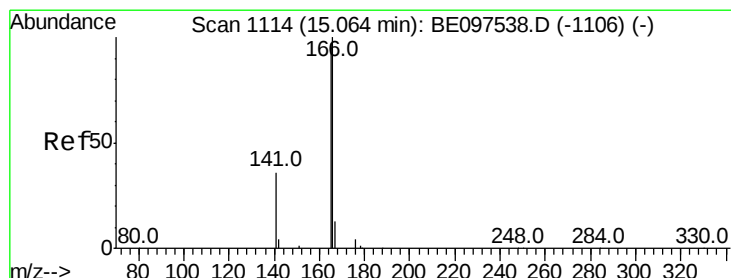
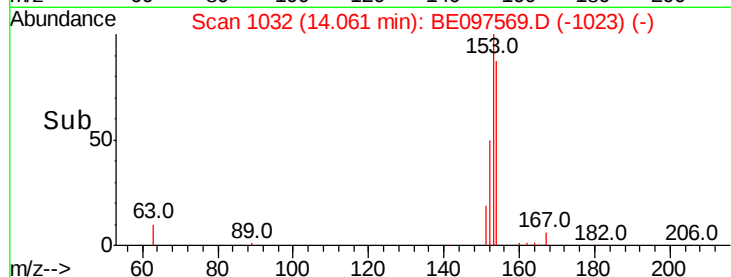
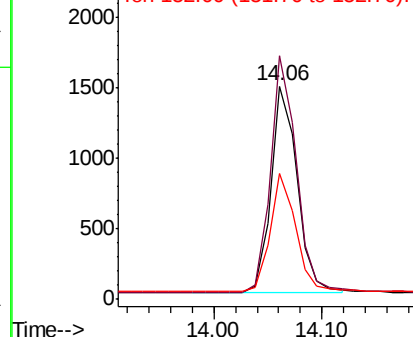
152 56.4 42.0 63.0



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: 0.382 ng

RT: 15.06 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE097569.D

Acq: 20 Sep 2018 9:37

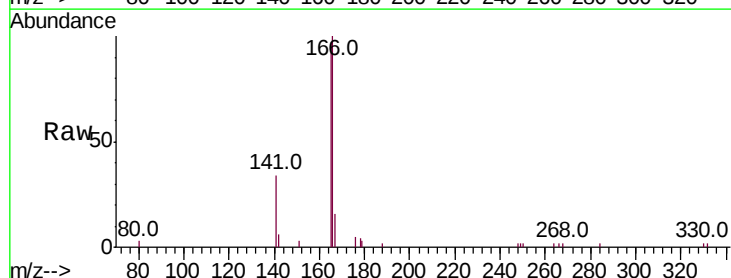
Tgt Ion:166 Resp: 3106

Ion Ratio Lower Upper

166 100

165 98.8 77.8 116.6

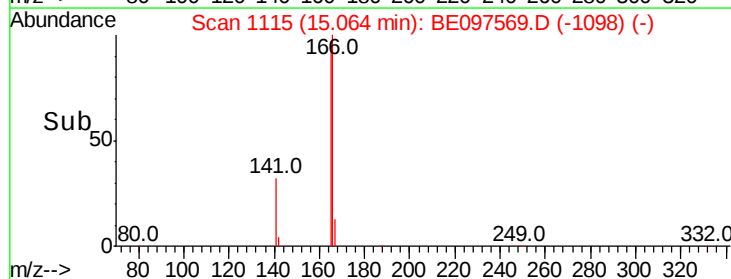
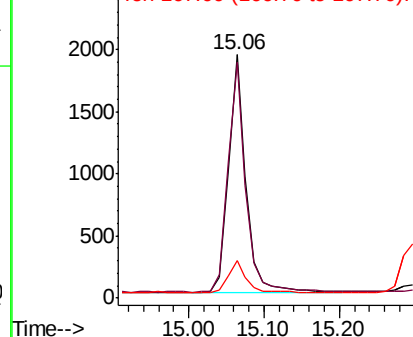
167 13.4 42.4 63.6#



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# 1260

Delta R.T. -0.00 min

Lab File: BE097569.D

Acq: 20 Sep 2018 9:37

Instrument :

BNA_E

ClientSampleId :

PB112778BS

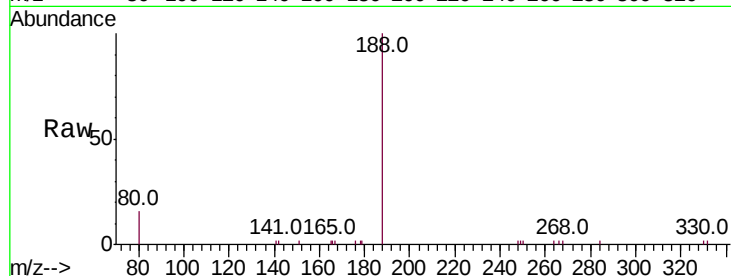
Tot Ion:188 Resp: 5375

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

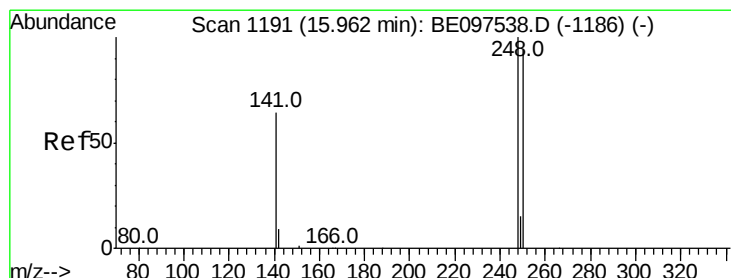
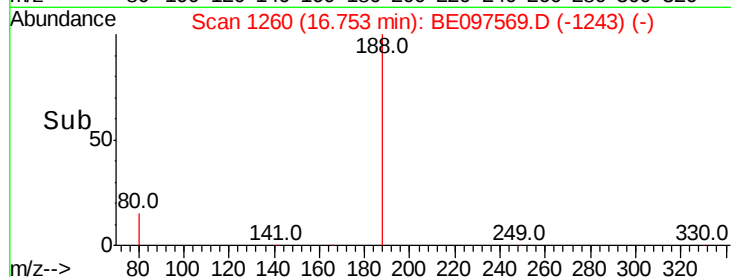
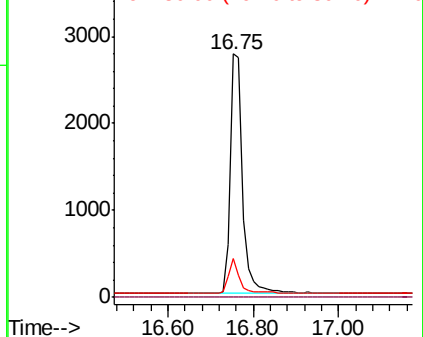
80 16.1 3.6 5.4#



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: 0.390 ng

RT: 15.96 min Scan# 1192

Delta R.T. -0.00 min

Lab File: BE097569.D

Acq: 20 Sep 2018 9:37

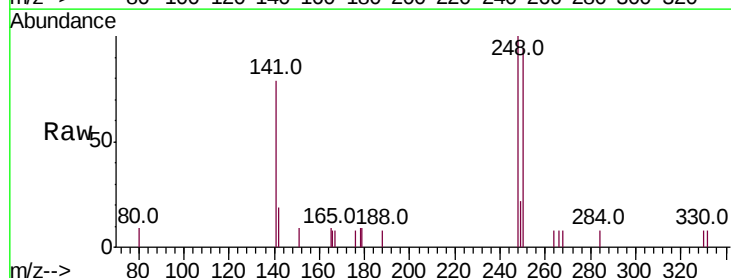
Tgt Ion:248 Resp: 945

Ion Ratio Lower Upper

248 100

250 93.9 62.7 94.1

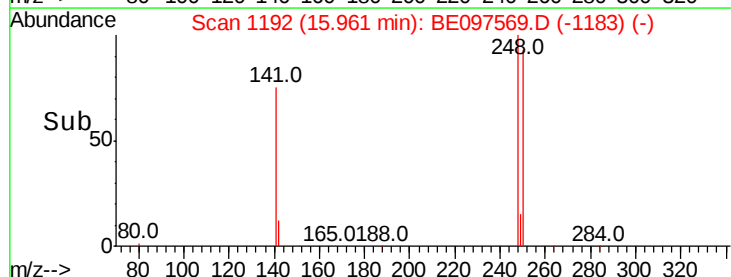
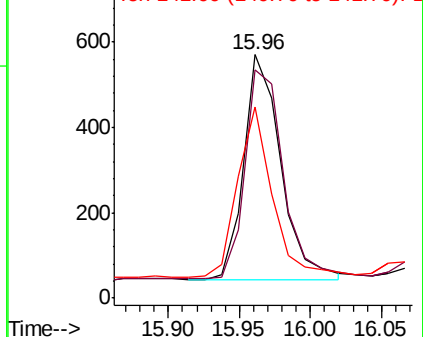
141 78.6 48.2 72.2#



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: 0.418 ng

RT: 16.07 min Scan# 1201

Delta R.T. -0.00 min

Lab File: BE097569.D

Acq: 20 Sep 2018 9:37

Instrument :

BNA_E

ClientSampleId :

PB112778BS

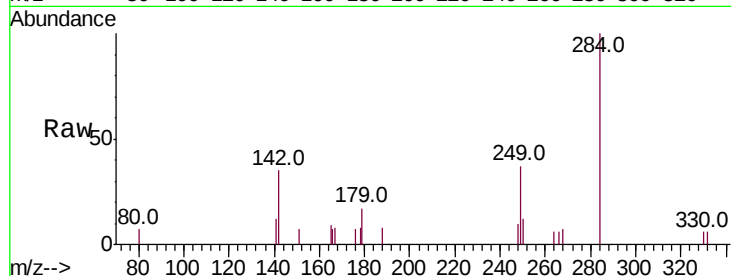
Tot Ion:284 Resp: 1114

Ion Ratio Lower Upper

284 100

142 30.0 22.1 33.1

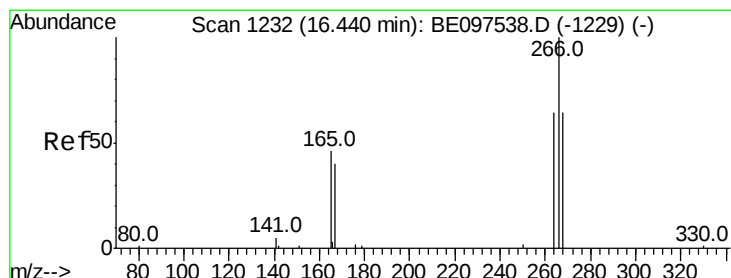
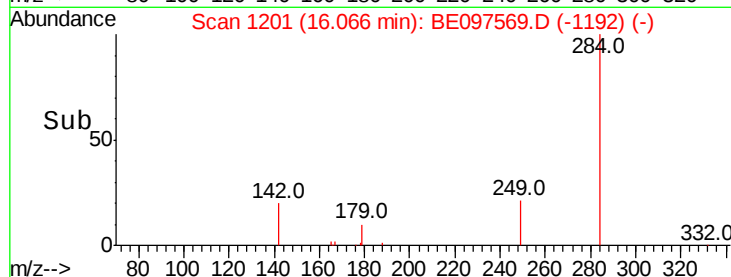
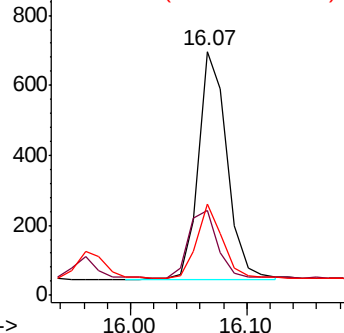
249 29.8 34.8 52.2#



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: 0.538 ng

RT: 16.45 min Scan# 1234

Delta R.T. 0.01 min

Lab File: BE097569.D

Acq: 20 Sep 2018 9:37

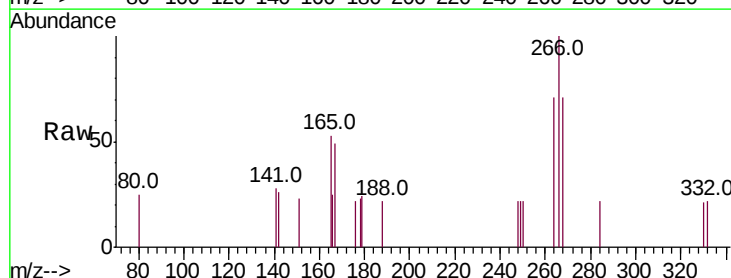
Tgt Ion:266 Resp: 488

Ion Ratio Lower Upper

266 100

264 70.8 72.5 108.7#

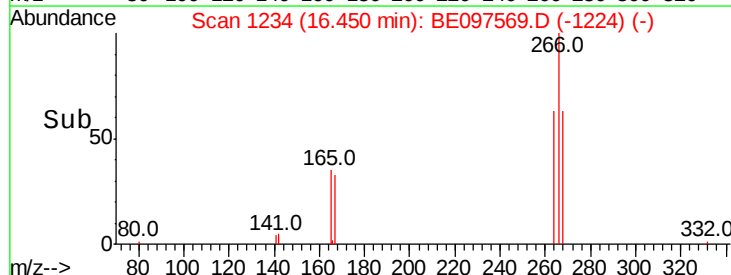
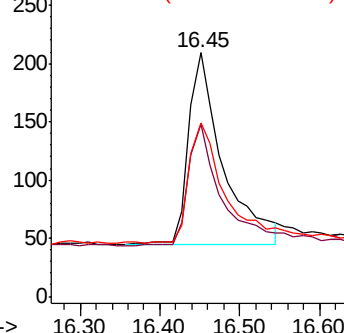
268 71.3 73.8 110.6#



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: 0.404 ng

RT: 16.80 min Scan# 1264

Delta R.T. -0.00 min

Lab File: BE097569.D

Acq: 20 Sep 2018 9:37

Instrument :

BNA_E

ClientSampleId :

PB112778BS

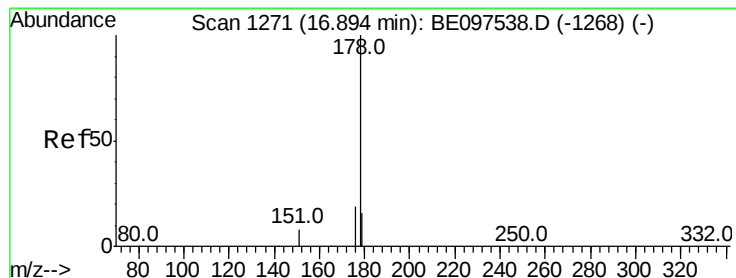
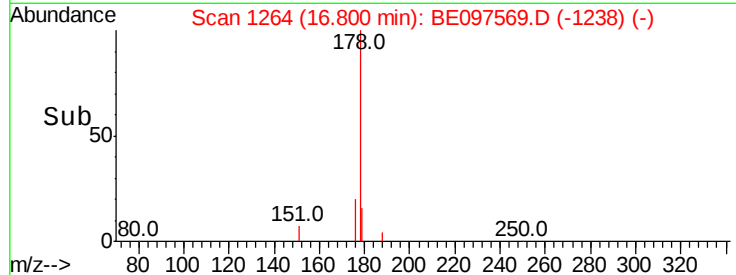
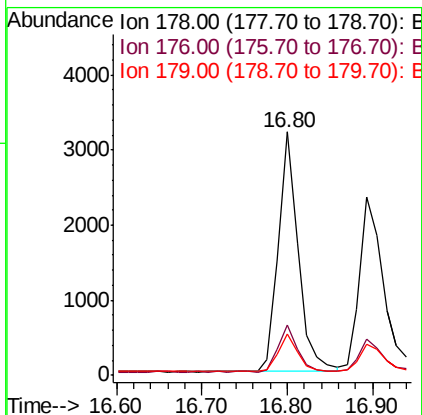
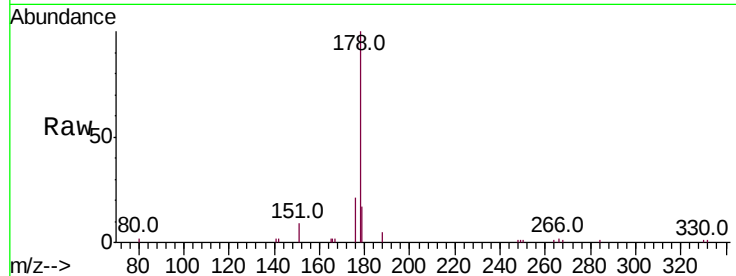
Tot Ion:178 Resp: 5160

Ion Ratio Lower Upper

178 100

176 19.4 15.1 22.7

179 15.6 11.8 17.6



#24

Anthracene

Concen: 0.392 ng

RT: 16.89 min Scan# 1272

Delta R.T. -0.00 min

Lab File: BE097569.D

Acq: 20 Sep 2018 9:37

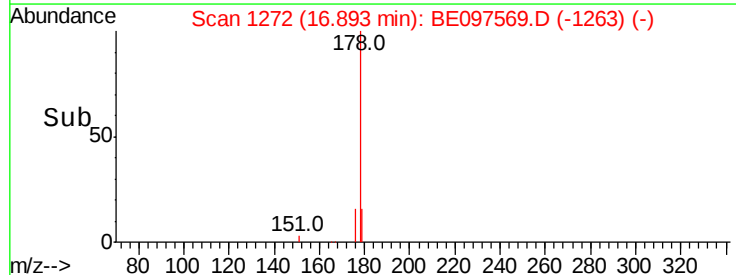
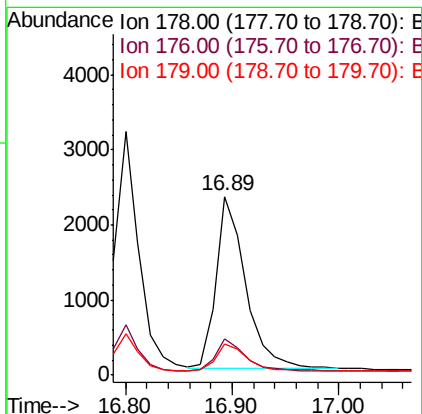
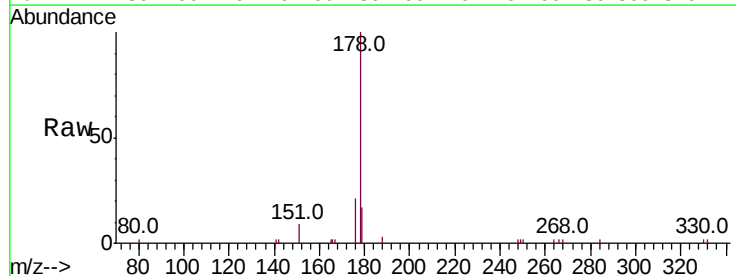
Tgt Ion:178 Resp: 4419

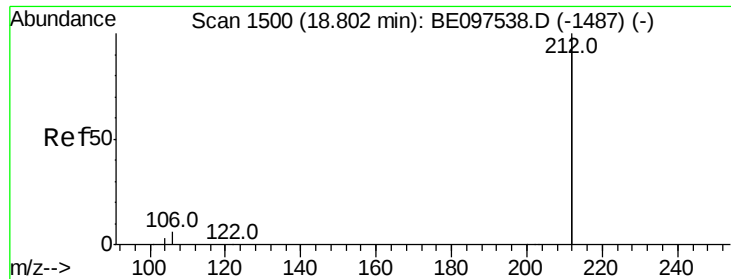
Ion Ratio Lower Upper

178 100

176 18.4 12.8 19.2

179 15.7 13.0 19.6





#25

Fluoranthene-d10

Concen: 0.384 ng

RT: 18.80 min Scan# 1502

Delta R.T. 0.00 min

Lab File: BE097569.D

Acq: 20 Sep 2018 9:37

Instrument :

BNA_E

ClientSampleId :

PB112778BS

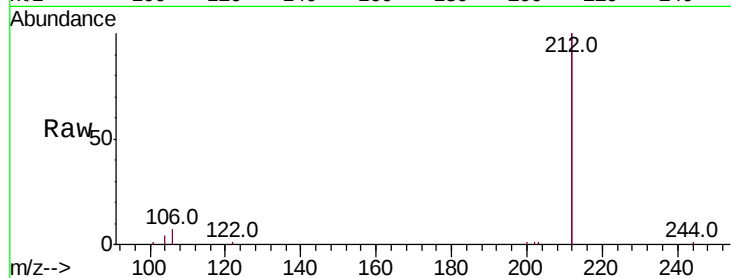
Tot Ion:212 Resp: 26434

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

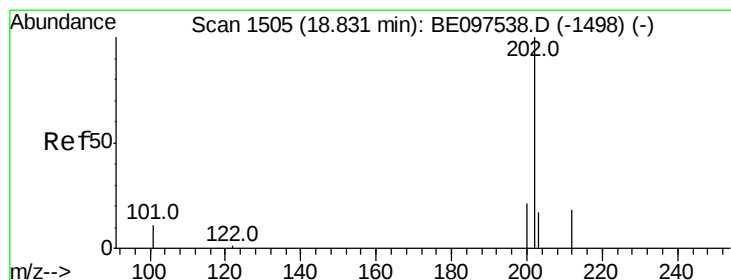
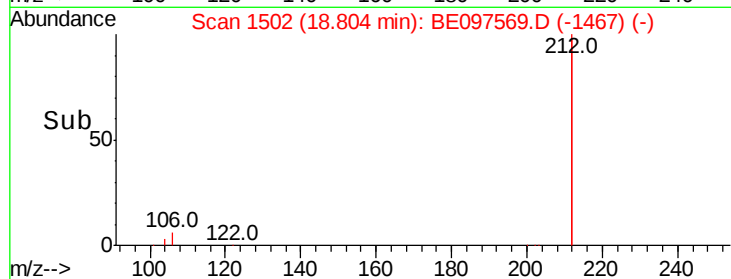
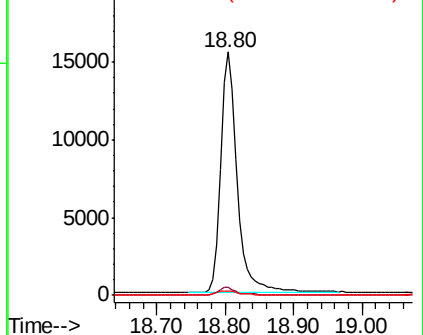
104 1.7 1.6 2.4



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: 0.360 ng

RT: 18.83 min Scan# 1507

Delta R.T. 0.00 min

Lab File: BE097569.D

Acq: 20 Sep 2018 9:37

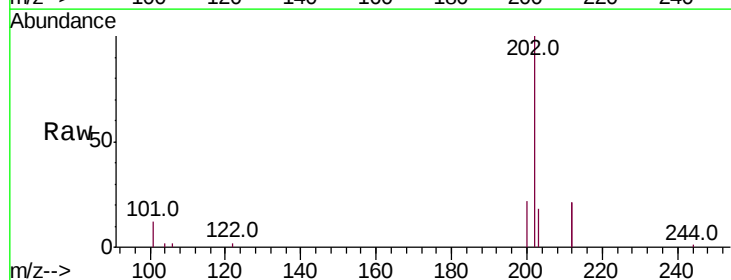
Tgt Ion:202 Resp: 6383

Ion Ratio Lower Upper

202 100

101 10.8 9.8 14.8

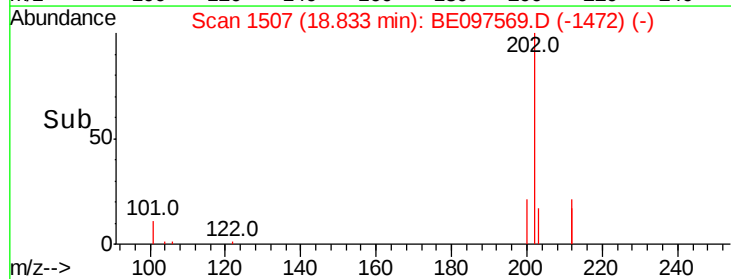
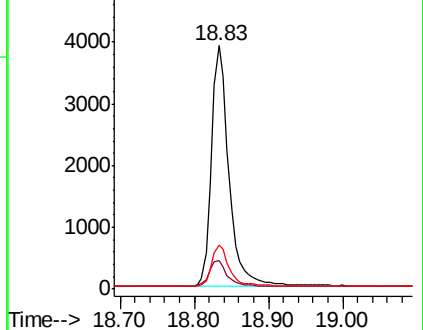
203 17.0 13.7 20.5



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: BE097569.D

Acq: 20 Sep 2018 9:37

Instrument :

BNA_E

ClientSampleId :

PB112778BS

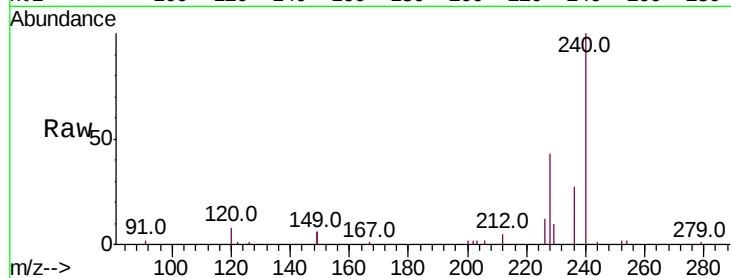
Tot Ion:240 Resp: 7596

Ion Ratio Lower Upper

240 100

120 8.3 5.5 8.3#

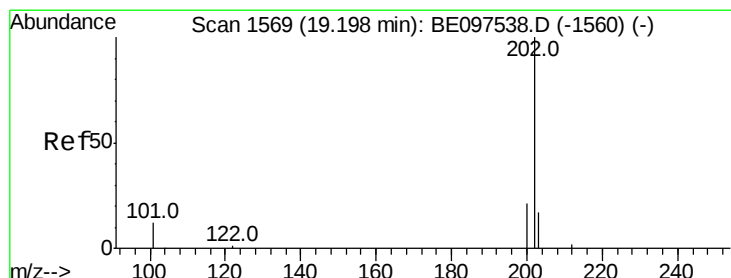
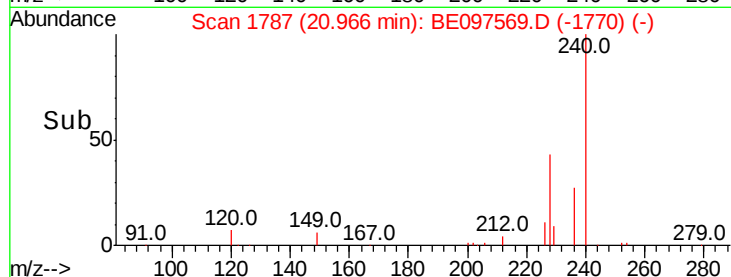
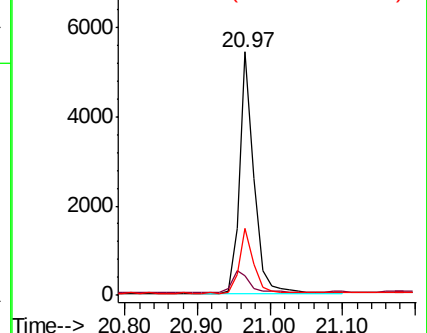
236 27.3 20.7 31.1



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: 0.374 ng

RT: 19.20 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BE097569.D

Acq: 20 Sep 2018 9:37

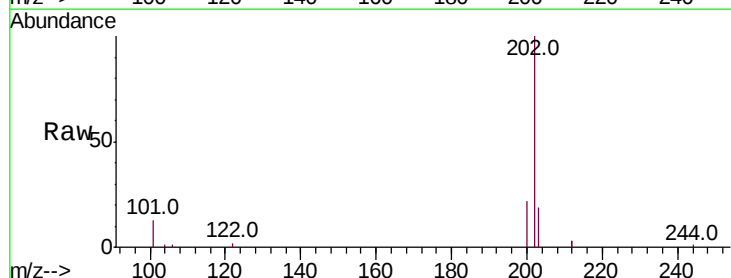
Tgt Ion:202 Resp: 6464

Ion Ratio Lower Upper

202 100

200 21.3 16.6 25.0

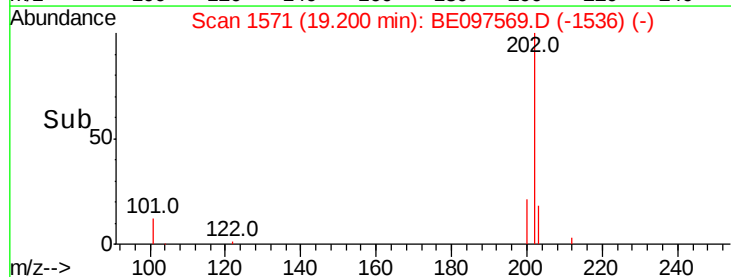
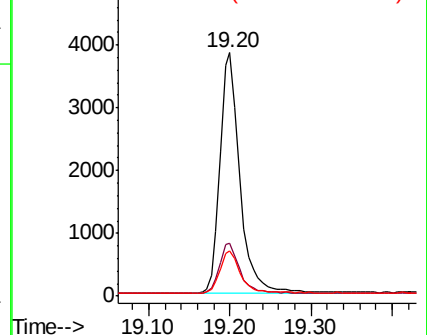
203 18.4 13.8 20.8



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: 0.348 ng

RT: 19.42 min Scan# 1609

Delta R.T. 0.00 min

Lab File: BE097569.D

Acq: 20 Sep 2018 9:37

Instrument :

BNA_E

ClientSampleId :

PB112778BS

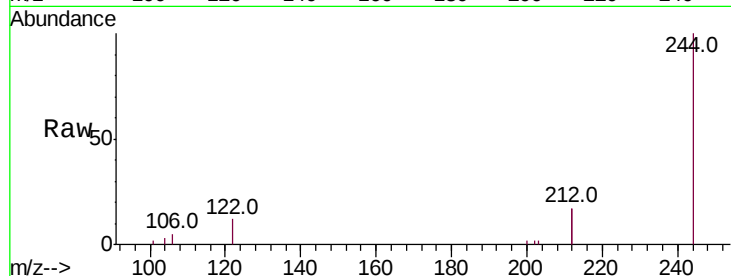
Tot Ion:244 Resp: 4834

Ion Ratio Lower Upper

244 100

212 33.4 25.4 38.0

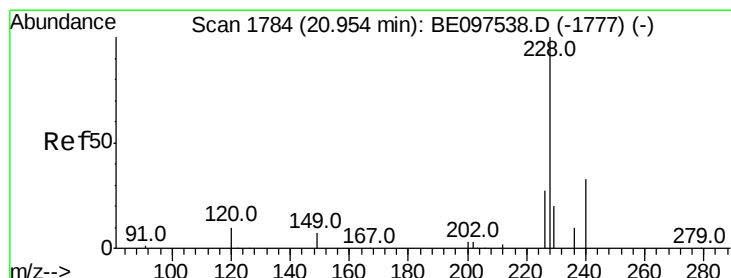
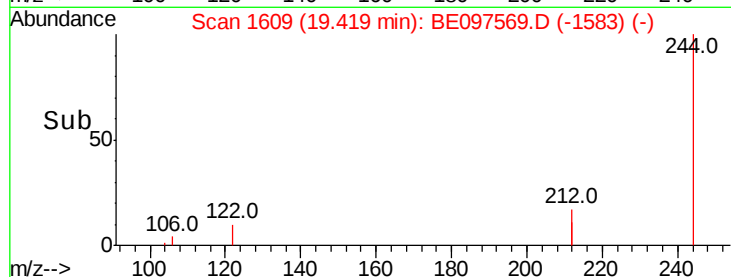
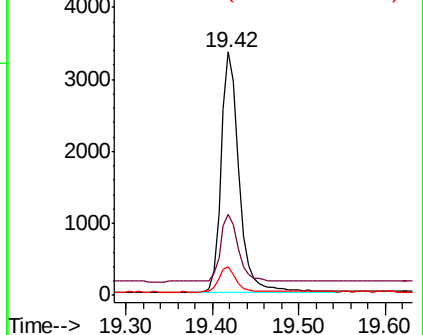
122 11.5 8.1 12.1



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: 0.396 ng

RT: 20.95 min Scan# 1786

Delta R.T. -0.00 min

Lab File: BE097569.D

Acq: 20 Sep 2018 9:37

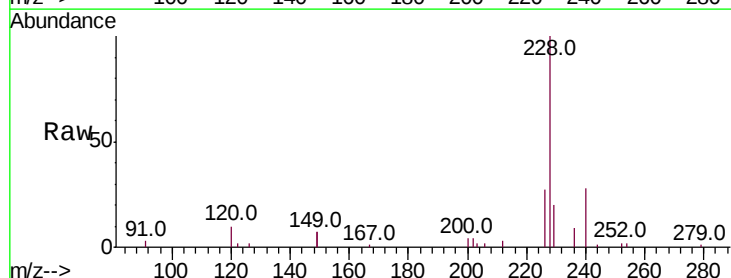
Tgt Ion:228 Resp: 7578

Ion Ratio Lower Upper

228 100

226 27.4 24.0 36.0

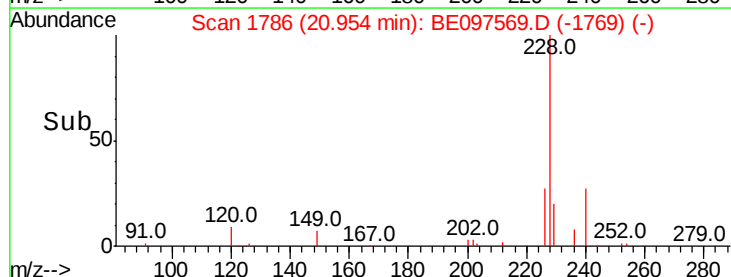
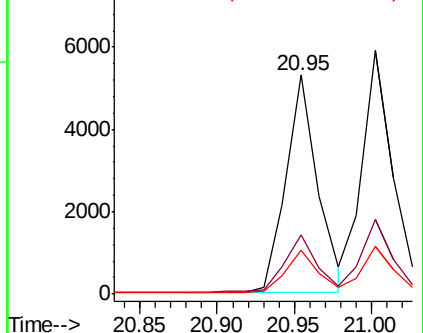
229 20.3 16.0 24.0



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: 0.400 ng

RT: 21.00 min Scan# 1790

Delta R.T. -0.00 min

Lab File: BE097569.D

Acq: 20 Sep 2018 9:37

Instrument :

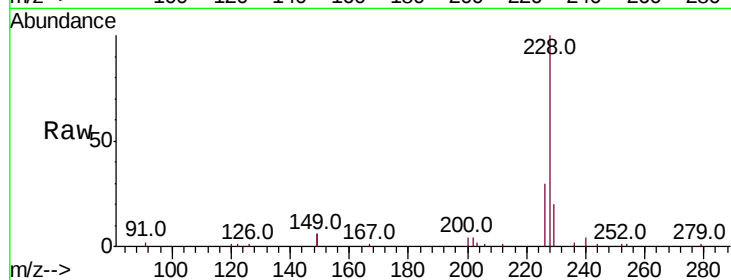
BNA_E

ClientSampleId :

PB112778BS

Tot Ion:228 Resp: 8199

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.0	36.0
229	19.9	16.0	24.0

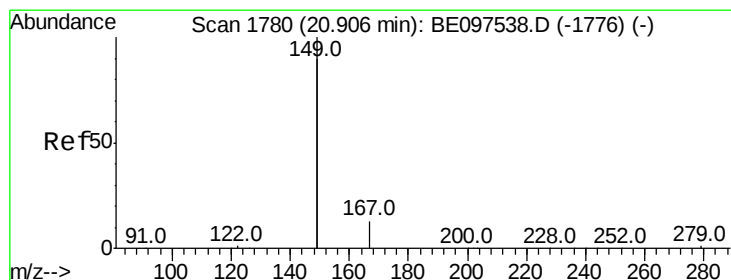
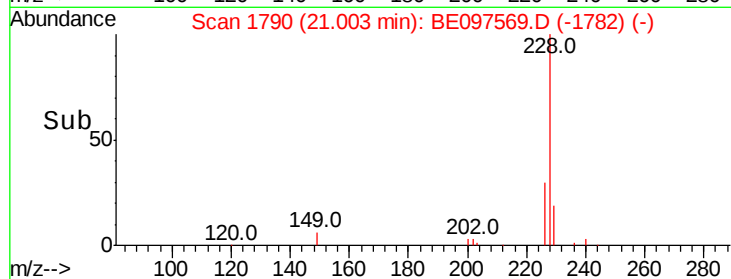
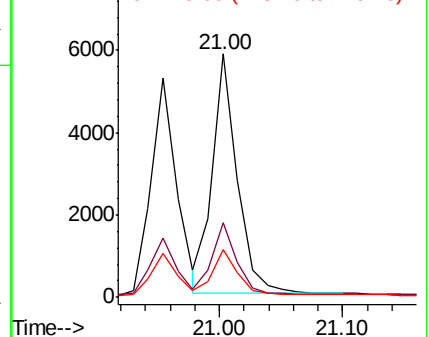


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.337 ng

RT: 20.91 min Scan# 1782

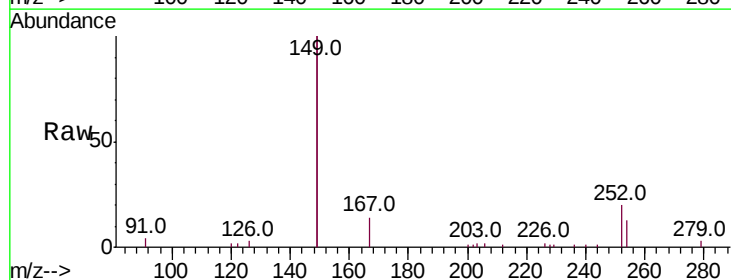
Delta R.T. -0.00 min

Lab File: BE097569.D

Acq: 20 Sep 2018 9:37

Tgt Ion:149 Resp: 10482

Ion	Ratio	Lower	Upper
149	100		
167	6.2	5.4	8.0
279	1.1	0.7	1.1

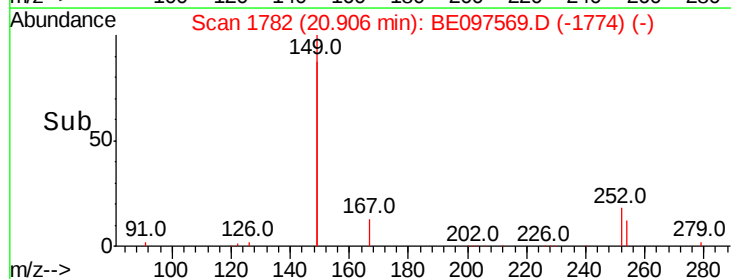
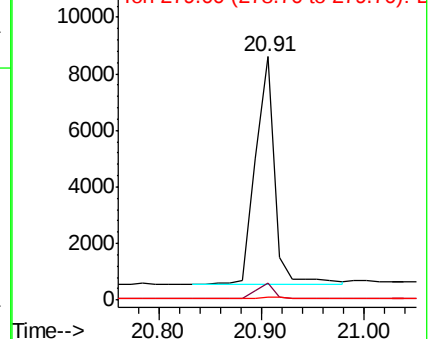


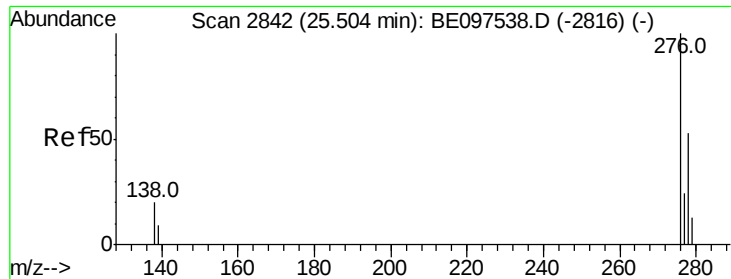
Abundance

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: 0.431 ng

RT: 25.50 min Scan# 2844

Delta R.T. -0.00 min

Lab File: BE097569.D

Acq: 20 Sep 2018 9:37

Instrument :

BNA_E

ClientSampleId :

PB112778BS

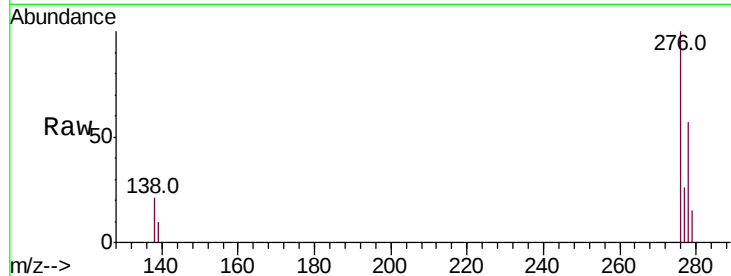
Tot Ion:276 Resp: 10640

Ion Ratio Lower Upper

276 100

138 20.0 22.5 33.7#

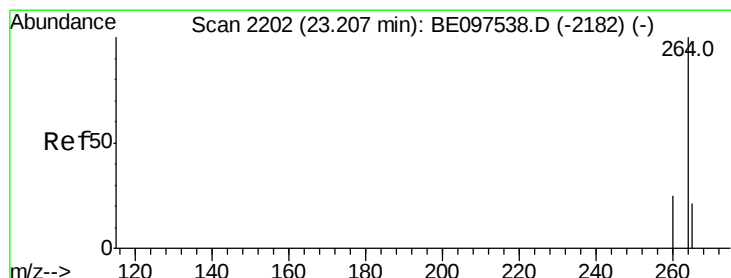
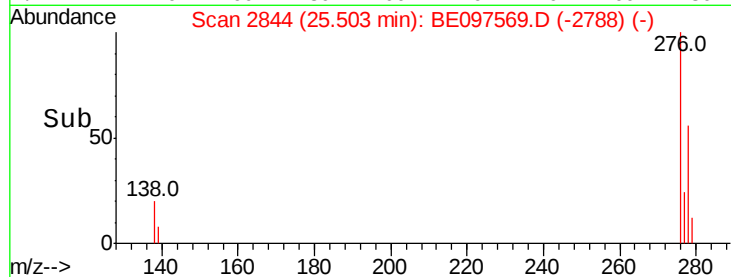
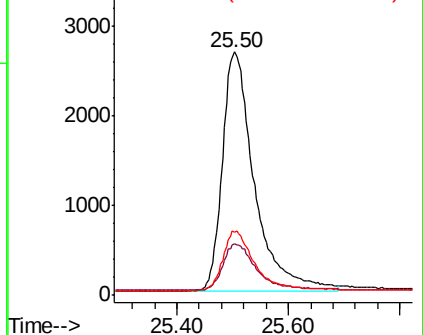
277 24.3 19.9 29.9



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: BE097569.D

Acq: 20 Sep 2018 9:37

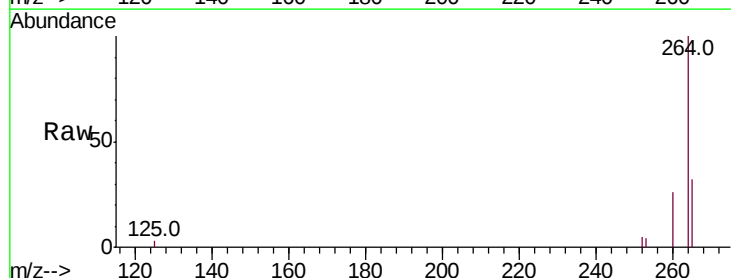
Tgt Ion:264 Resp: 7920

Ion Ratio Lower Upper

264 100

260 25.9 20.5 30.7

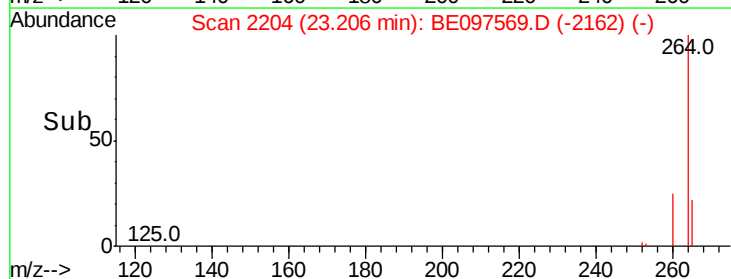
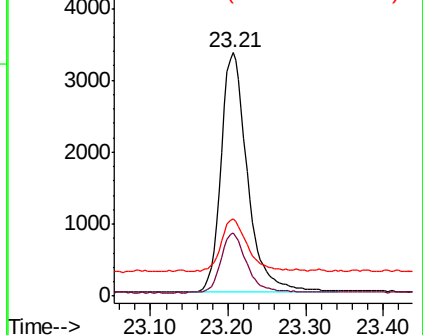
265 31.9 22.8 34.2

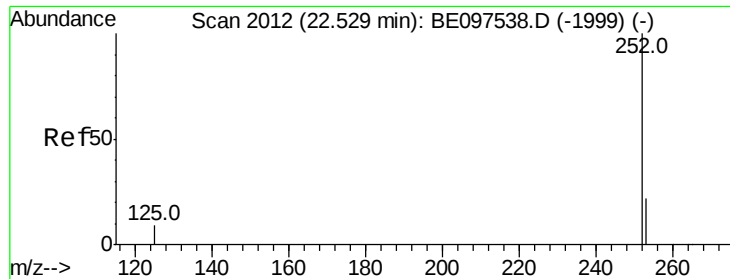


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.416 ng

RT: 22.53 min Scan# 2014

Delta R.T. -0.00 min

Lab File: BE097569.D

Acq: 20 Sep 2018 9:37

Instrument :

BNA_E

ClientSampleId :

PB112778BS

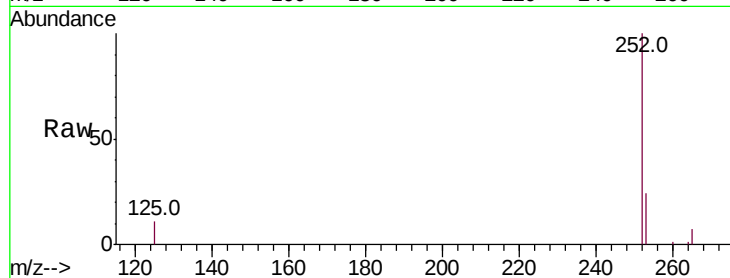
Tot Ion:252 Resp: 8443

Ion Ratio Lower Upper

252 100

253 23.7 20.0 30.0

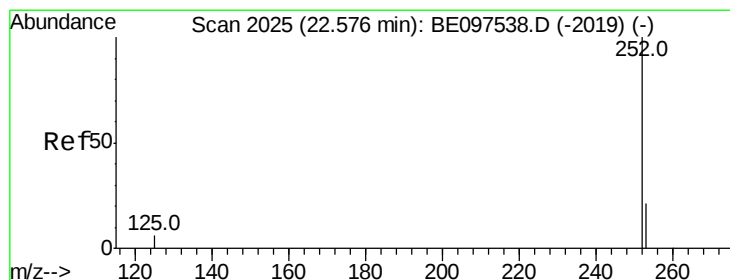
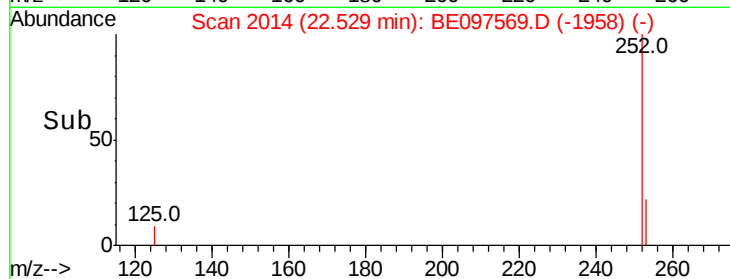
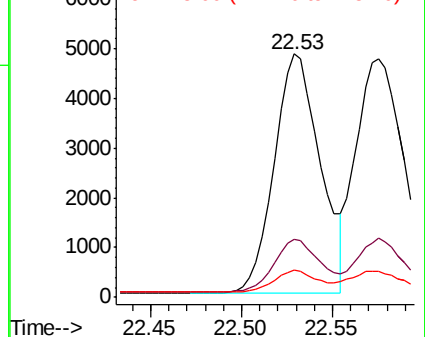
125 11.0 16.0 24.0#



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: 0.364 ng

RT: 22.53 min Scan# 2014

Delta R.T. -0.05 min

Lab File: BE097569.D

Acq: 20 Sep 2018 9:37

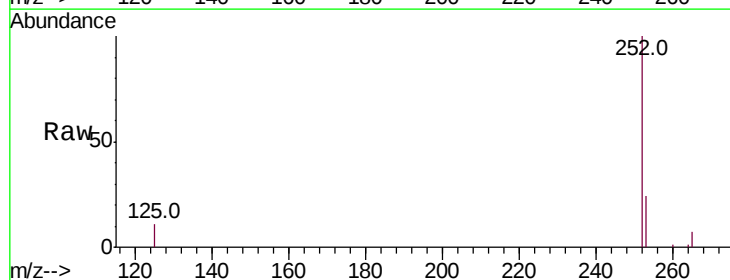
Tgt Ion:252 Resp: 8443

Ion Ratio Lower Upper

252 100

253 23.7 16.0 24.0

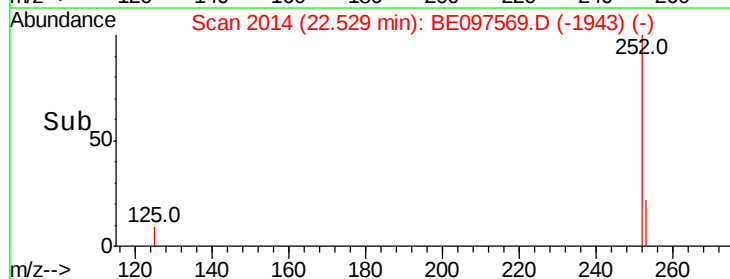
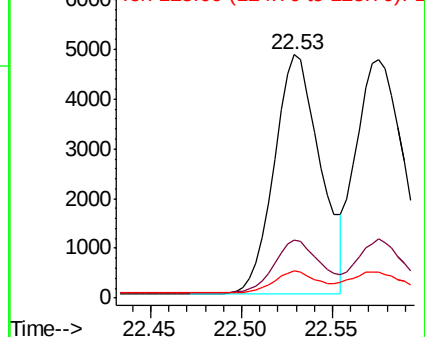
125 11.0 8.0 12.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.427 ng

RT: 23.11 min Scan# 2177

Delta R.T. 0.00 min

Lab File: BE097569.D

Acq: 20 Sep 2018 9:37

Instrument :

BNA_E

ClientSampleId :

PB112778BS

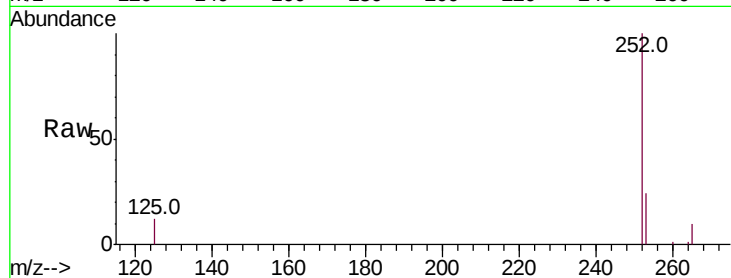
Tot Ion:252 Resp: 8418

Ion Ratio Lower Upper

252 100

253 24.3 16.0 24.0#

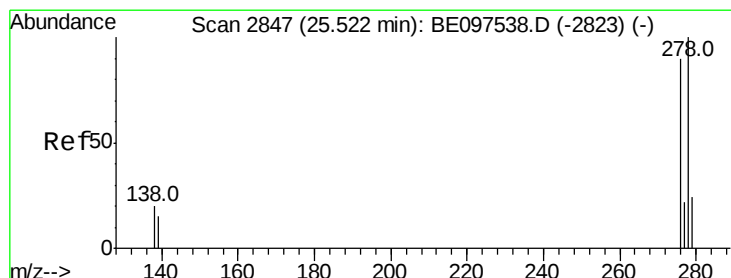
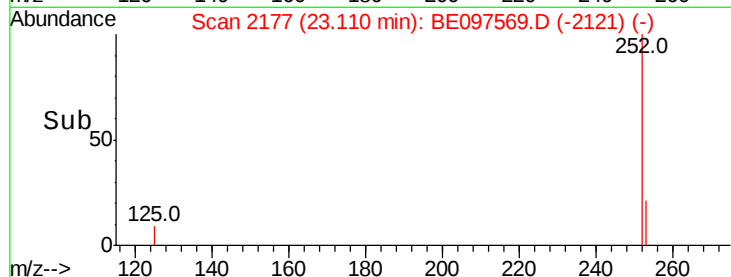
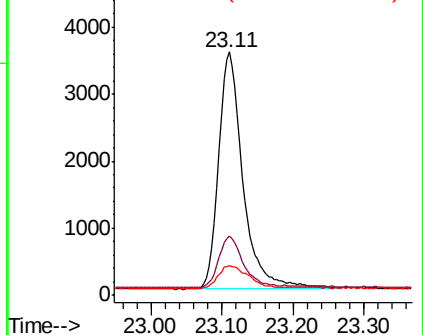
125 12.0 12.0 18.0



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: 0.416 ng

RT: 25.52 min Scan# 2850

Delta R.T. 0.00 min

Lab File: BE097569.D

Acq: 20 Sep 2018 9:37

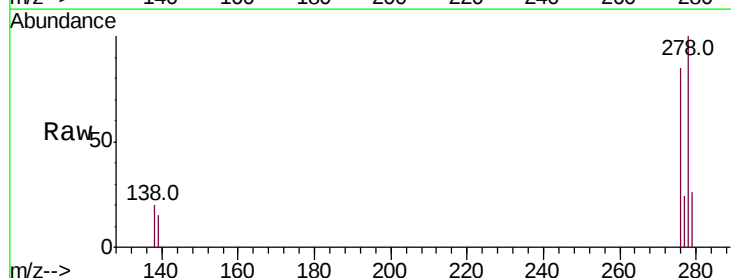
Tgt Ion:278 Resp: 8855

Ion Ratio Lower Upper

278 100

139 15.4 16.0 24.0#

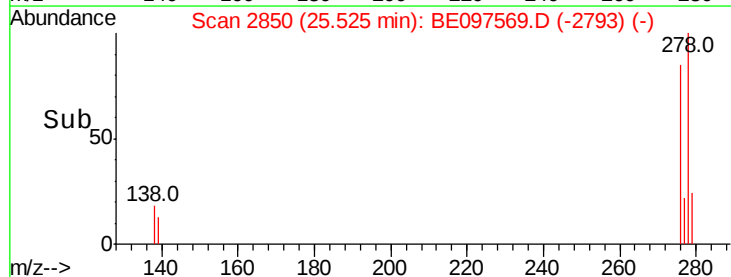
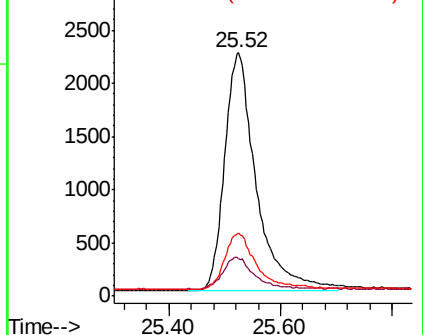
279 26.2 20.0 30.0

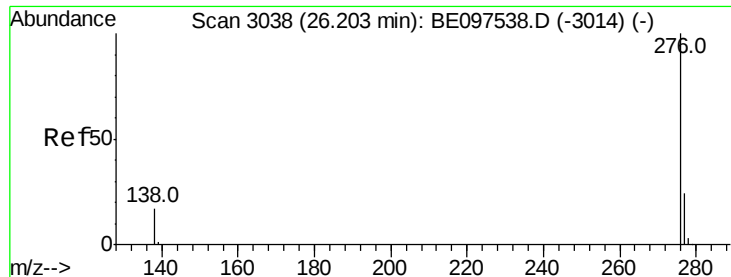


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.429 ng

RT: 26.21 min Scan# 3041

Delta R.T. 0.00 min

Lab File: BE097569.D

Acq: 20 Sep 2018 9:37

Instrument :

BNA_E

ClientSampleId :

PB112778BS

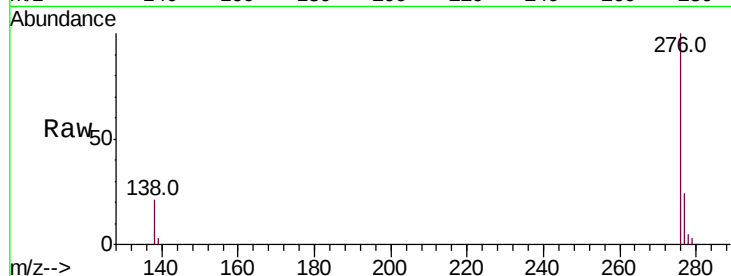
Tot Ion:276 Resp: 8882

Ion Ratio Lower Upper

276 100

277 24.4 16.0 24.0#

138 20.8 20.0 30.0



Abundance Ion 276.00 (275.70 to 276.70): E

3000 Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

