

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE100418\
 Data File : BE097727.D
 Acq On : 4 Oct 2018 16:10
 Operator : SJ/JU
 Sample : PB113508BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB113508BS

Quant Time: Oct 05 06:50:36 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE100318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 03 12:17:19 2018
 Response via : Initial Calibration

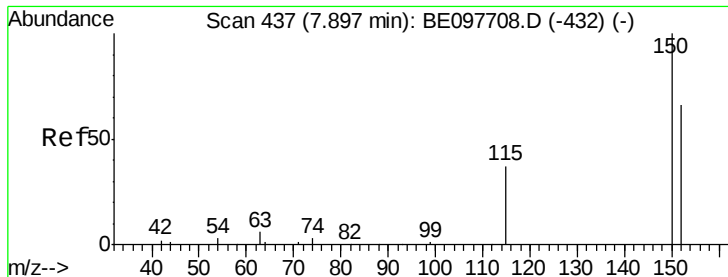
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	4453	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	16264	0.40	ng	0.00
13) Acenaphthene-d10	14.56	164	7740	0.40	ng	0.00
19) Phenanthrene-d10	17.30	188	17506	0.40	ng	0.00
27) Chrysene-d12	21.49	240	17445	0.40	ng	0.00
34) Perylene-d12	24.04	264	16246	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.47	112	4175	0.40	ng	0.00
5) Phenol-d6	7.05	99	5895	0.37	ng	0.00
8) Nitrobenzene-d5	9.04	82	2915	0.55	ng	0.00
11) 2-Methylnaphthalene-d10	12.30	152	14481	0.56	ng	0.00
14) 2,4,6-Tribromophenol	16.04	330	461	0.33	ng	0.00
15) 2-Fluorobiphenyl	13.17	172	14696	0.43	ng	-0.01
25) Fluoranthene-d10	19.33	212	78457	0.35	ng	0.00
29) Terphenyl-d14	19.94	244	13416	0.38	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.40	88	2257	0.254	ng	95
3) n-Nitrosodimethylamine	3.71	42	3253	0.403	ng	# 88
6) bis(2-Chloroethyl)ether	7.31	93	5706	0.342	ng	96
9) Naphthalene	10.74	128	67982	0.415	ng	99
10) Hexachlorobutadiene	11.04	225	3322	0.382	ng	99
12) 2-Methylnaphthalene	12.37	142	10734	0.409	ng	96
16) Acenaphthylene	14.27	152	14092	0.411	ng	98
17) Acenaphthene	14.62	154	8481	0.386	ng	99
18) Fluorene	15.60	166	11260	0.386	ng	99
20) 4-Bromophenyl-phenylether	16.50	248	3690	0.402	ng	96
21) Hexachlorobenzene	16.60	284	4046	0.392	ng	99
22) Pentachlorophenol	16.95	266	1097	0.677	ng	98
23) Phenanthrene	17.34	178	19126	0.424	ng	100
24) Anthracene	17.43	178	16029	0.412	ng	100
26) Fluoranthene	19.36	202	21111	0.367	ng	99
28) Pyrene	19.72	202	20832	0.470	ng	99
30) Benzo(a)anthracene	21.46	228	20054	0.428	ng	98
31) Chrysene	21.52	228	22798	0.435	ng	99
32) Bis(2-ethylhexyl)phthalate	21.41	149	13412	0.391	ng	99
33) Indeno(1,2,3-cd)pyrene	26.74	276	23901	0.525	ng	98
35) Benzo(b)fluoranthene	23.26	252	19540	0.438	ng	100
36) Benzo(k)fluoranthene	23.31	252	21210	0.429	ng	97
37) Benzo(a)pyrene	23.93	252	18534	0.459	ng	98
38) Dibenzo(a,h)anthracene	26.77	278	20312	0.511	ng	97
39) Benzo(g,h,i)perylene	27.55	276	21947	0.528	ng	99

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

```
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Acq On    : 4 Oct 2018 16:10  
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Sample    : PB113508BS  
Misc      :  
ALS Vial  : 3      Sample Multiplier: 1
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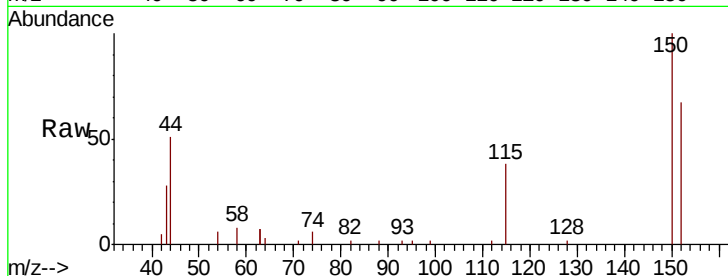


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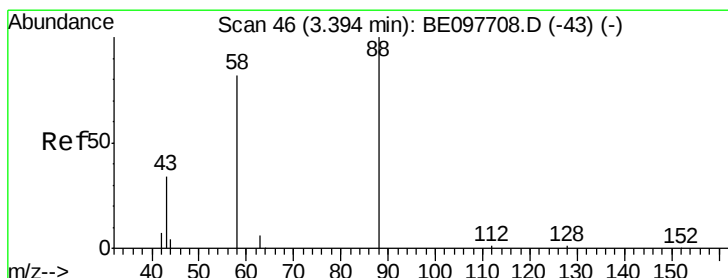
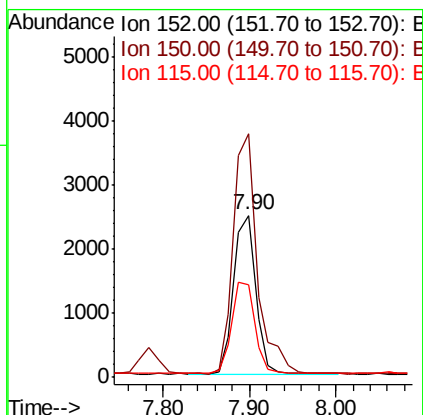
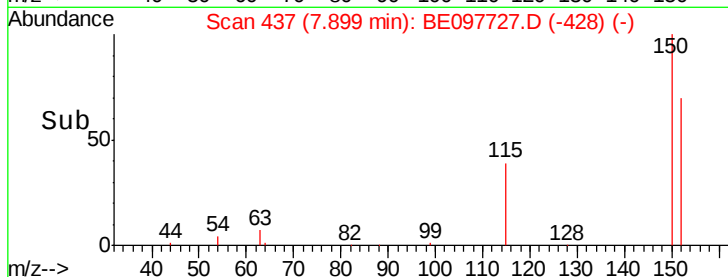
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.90 min Scan# 437
Delta R.T. 0.00 min
Lab File: BE097727.D
Acq: 4 Oct 2018 16:10

Instrument :
BNA_E
ClientSampleId :
PB113508BS

Tgt Ion: 152 Resp: 4453
Ion Ratio Lower Upper
152 100
150 150.4 120.9 181.3
115 57.5 46.6 69.8



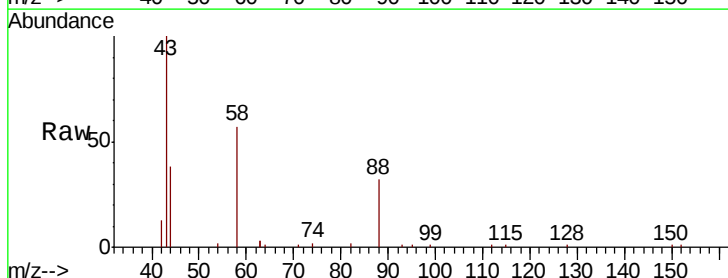
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



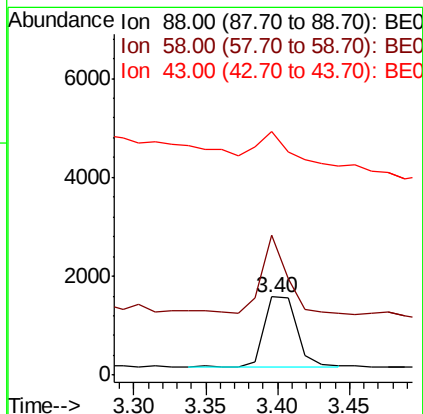
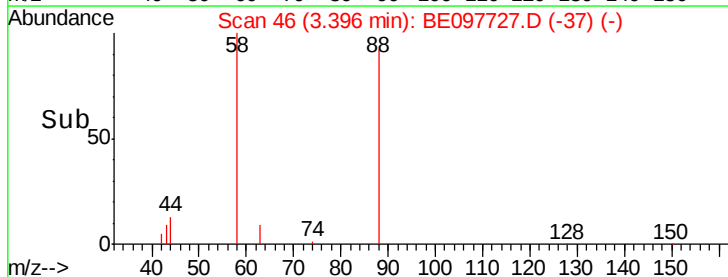
#2

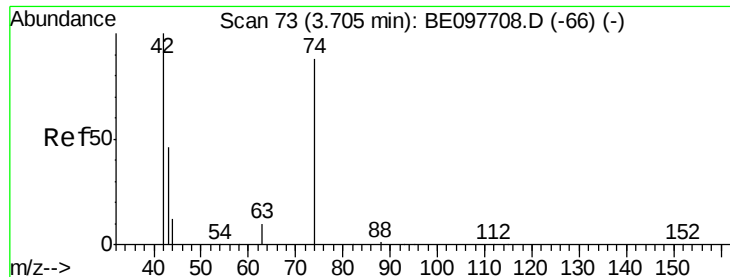
1,4-Dioxane
Concen: 0.254 ng
RT: 3.40 min Scan# 46
Delta R.T. 0.00 min
Lab File: BE097727.D
Acq: 4 Oct 2018 16:10

Tgt Ion: 88 Resp: 2257
Ion Ratio Lower Upper
88 100
58 86.2 70.8 106.2
43 49.0 33.3 49.9



Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.403 ng

RT: 3.71 min Scan# 73

Delta R.T. 0.00 min

Lab File: BE097727.D

Acq: 4 Oct 2018 16:10

Instrument :

BNA_E

ClientSampleId :

PB113508BS

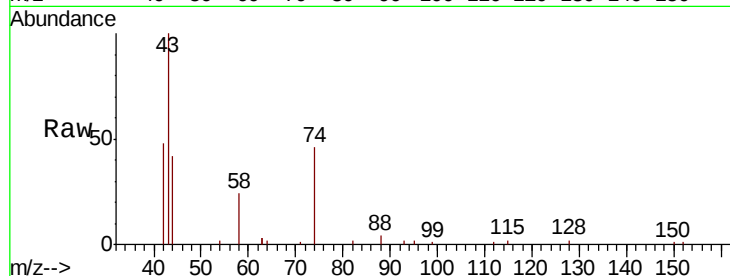
Tgt Ion: 42 Resp: 3253

Ion Ratio Lower Upper

42 100

74 97.6 70.7 106.1

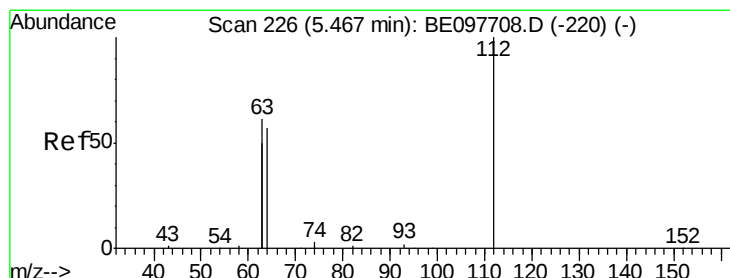
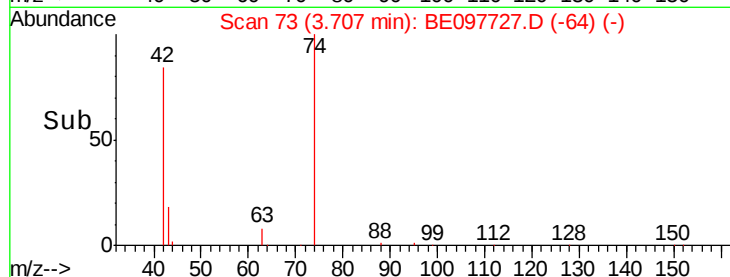
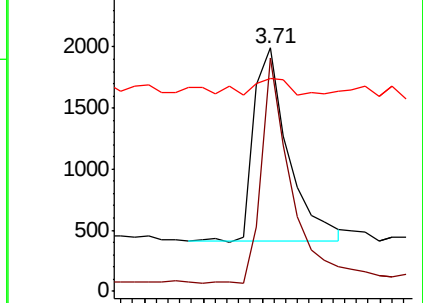
44 8.7 15.0 22.4#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.396 ng

RT: 5.47 min Scan# 226

Delta R.T. 0.00 min

Lab File: BE097727.D

Acq: 4 Oct 2018 16:10

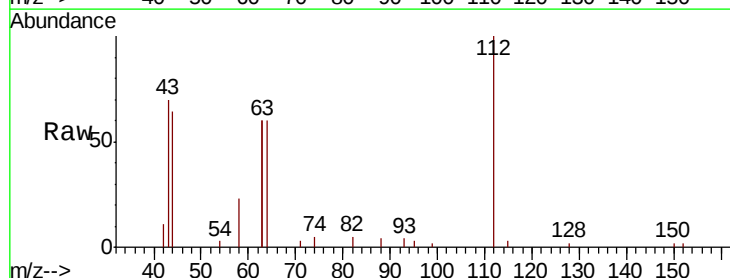
Tgt Ion: 112 Resp: 4175

Ion Ratio Lower Upper

112 100

64 72.4 56.6 84.8

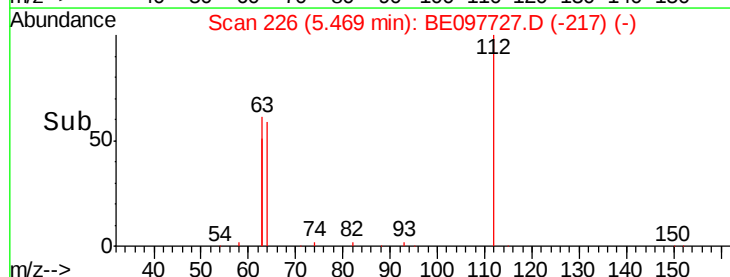
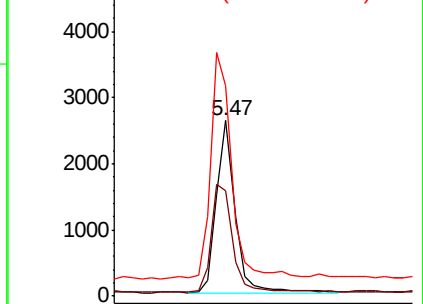
63 149.2 119.4 179.0

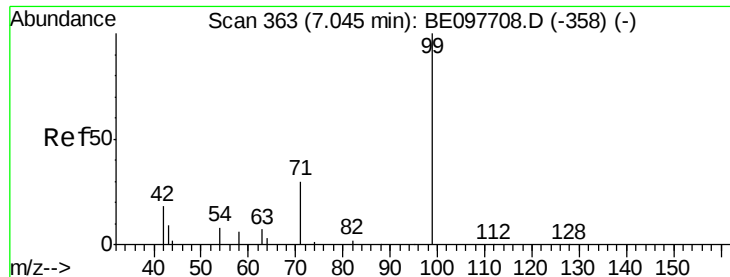


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.365 ng

RT: 7.05 min Scan# 363

Delta R.T. 0.00 min

Lab File: BE097727.D

Acq: 4 Oct 2018 16:10

Instrument :

BNA_E

ClientSampleId :

PB113508BS

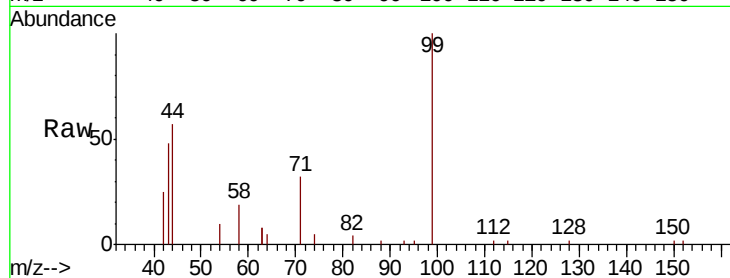
Tgt Ion: 99 Resp: 5895

Ion Ratio Lower Upper

99 100

42 24.4 19.9 29.9

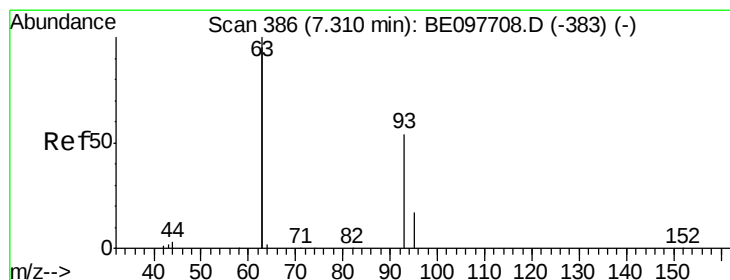
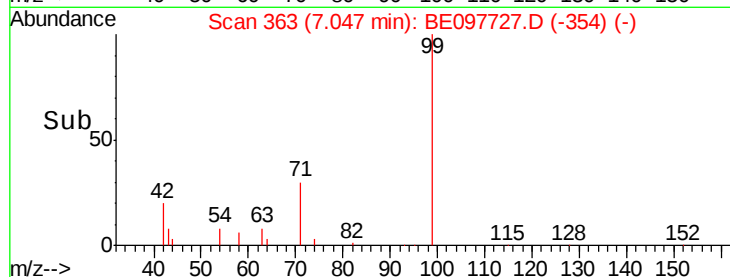
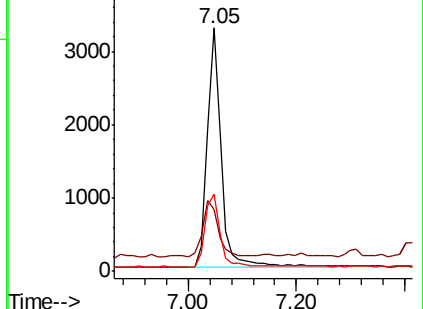
71 32.9 25.4 38.2



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.342 ng

RT: 7.31 min Scan# 386

Delta R.T. 0.00 min

Lab File: BE097727.D

Acq: 4 Oct 2018 16:10

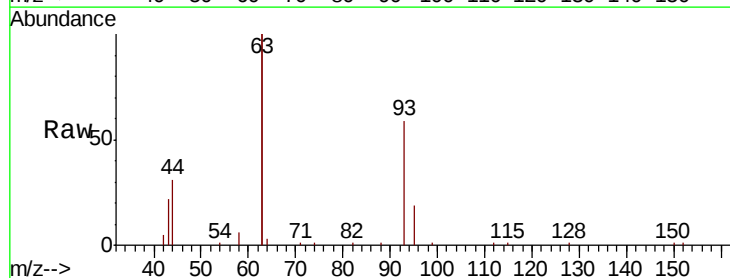
Tgt Ion: 93 Resp: 5706

Ion Ratio Lower Upper

93 100

63 341.7 266.9 400.3

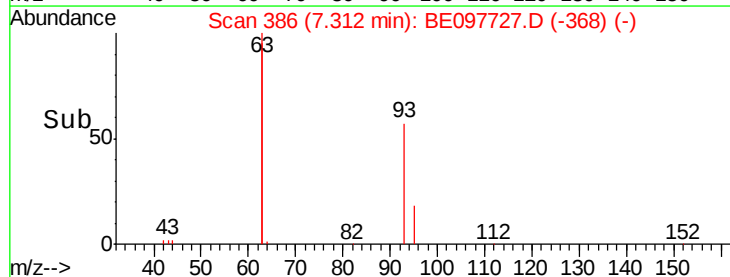
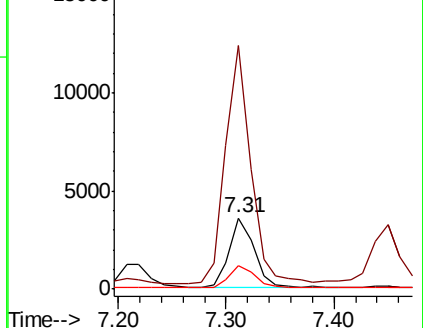
95 33.6 26.2 39.2

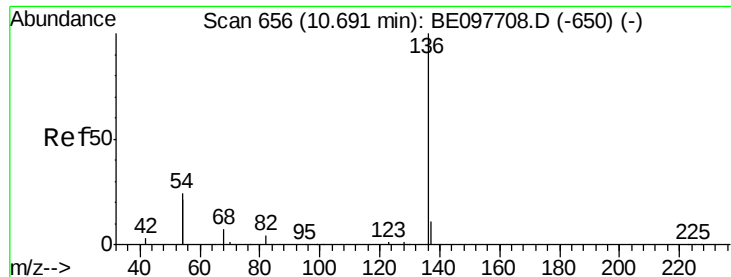


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.69 min Scan# 656

Delta R.T. 0.00 min

Lab File: BE097727.D

Acq: 4 Oct 2018 16:10

Instrument :

BNA_E

ClientSampleId :

PB113508BS

Tgt Ion: 136 Resp: 16264

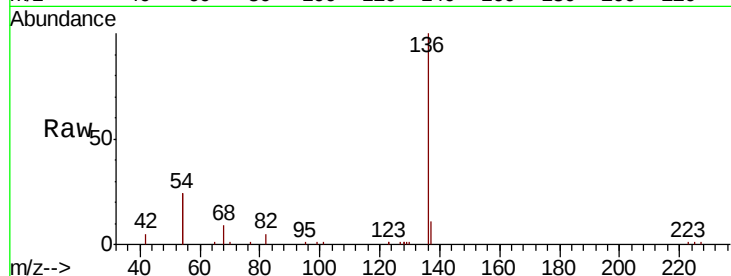
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.4

54 48.2 37.8 56.6

68 8.8 6.4 9.6

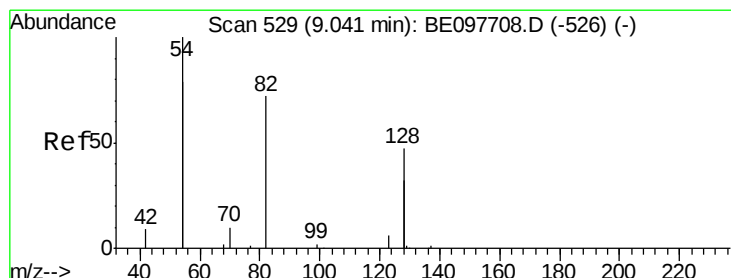
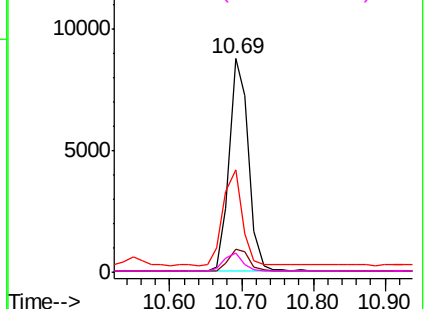
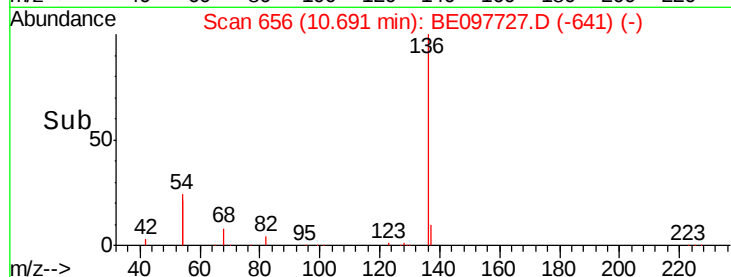


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.552 ng

RT: 9.04 min Scan# 529

Delta R.T. 0.00 min

Lab File: BE097727.D

Acq: 4 Oct 2018 16:10

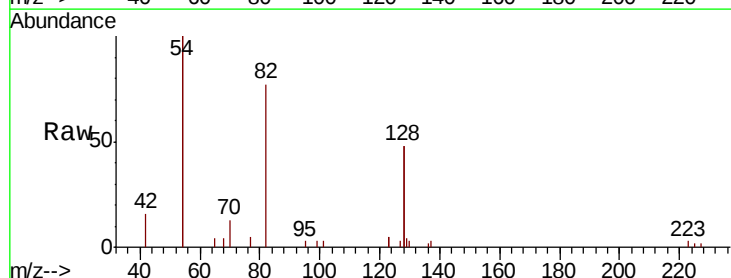
Tgt Ion: 82 Resp: 2915

Ion Ratio Lower Upper

82 100

128 124.5 97.0 145.4

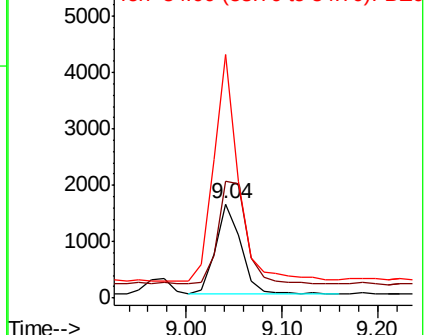
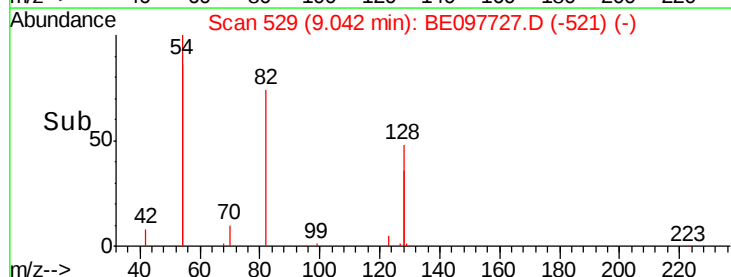
54 258.3 206.9 310.3

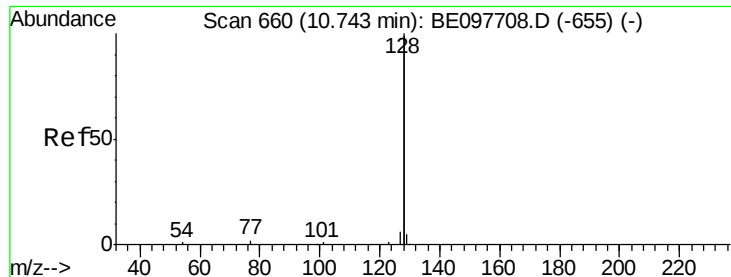


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

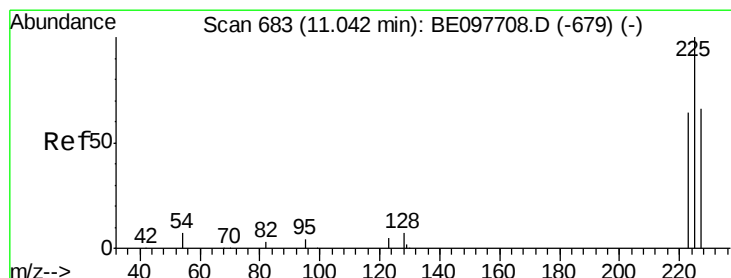
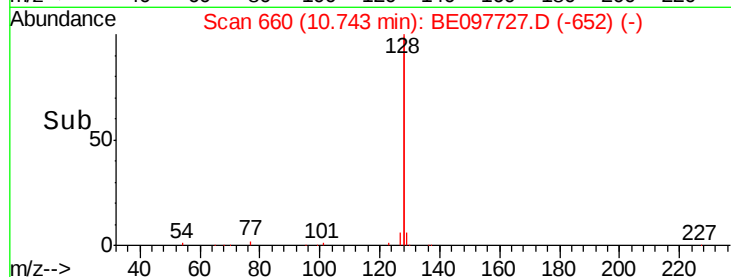
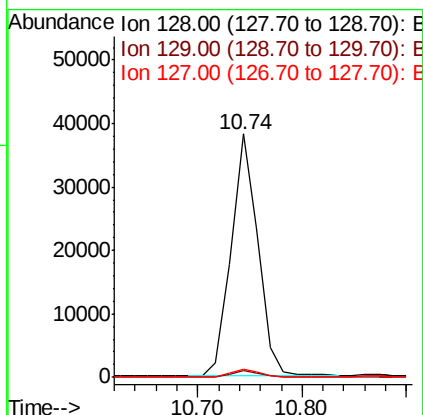
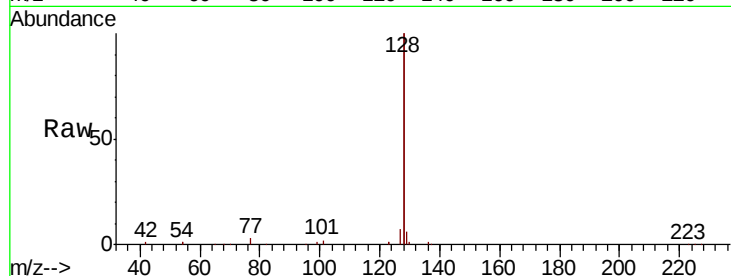




#9
Naphthalene
Concen: 0.415 ng
RT: 10.74 min Scan# 660
Delta R.T. 0.00 min
Lab File: BE097727.D
Acq: 4 Oct 2018 16:10

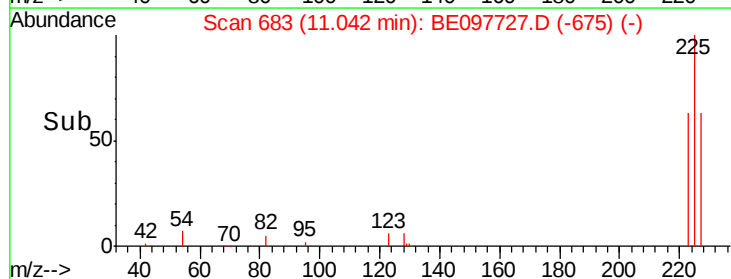
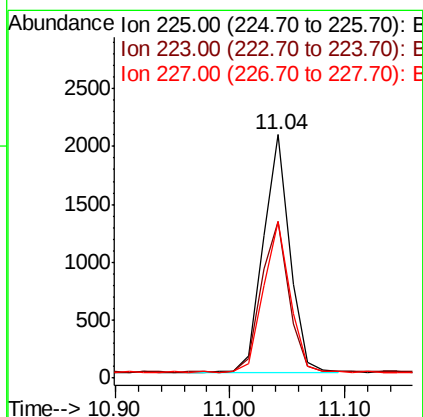
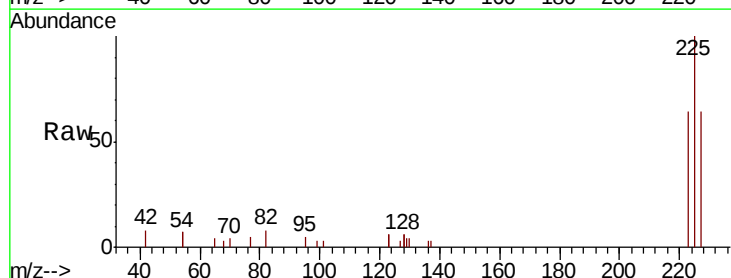
Instrument :
BNA_E
ClientSampleId :
PB113508BS

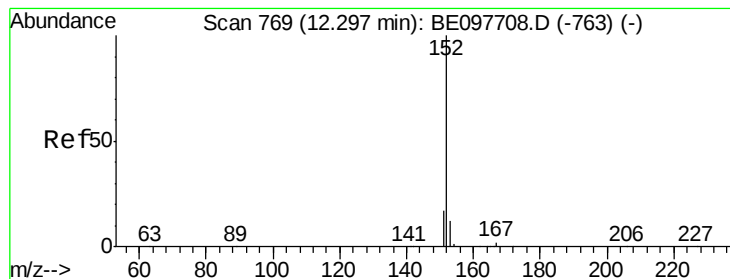
Tgt Ion:128 Resp: 67982
Ion Ratio Lower Upper
128 100
129 2.9 2.2 3.2
127 3.3 2.7 4.1



#10
Hexachlorobutadiene
Concen: 0.382 ng
RT: 11.04 min Scan# 683
Delta R.T. 0.00 min
Lab File: BE097727.D
Acq: 4 Oct 2018 16:10

Tgt Ion:225 Resp: 3322
Ion Ratio Lower Upper
225 100
223 66.0 52.2 78.4
227 63.4 51.2 76.8





#11

2-Methylnaphthalene-d10

Concen: 0.560 ng

RT: 12.30 min Scan# 769

Delta R.T. -0.00 min

Lab File: BE097727.D

Acq: 4 Oct 2018 16:10

Instrument :

BNA_E

ClientSampleId :

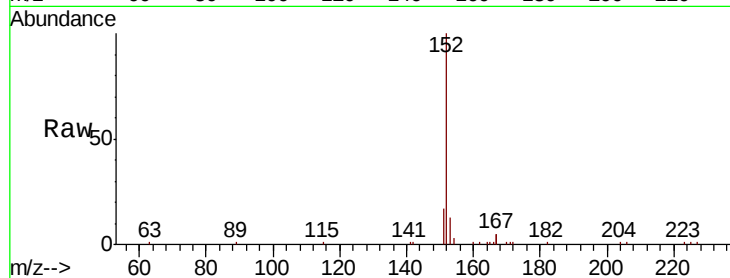
PB113508BS

Tgt Ion:152 Resp: 14481

Ion Ratio Lower Upper

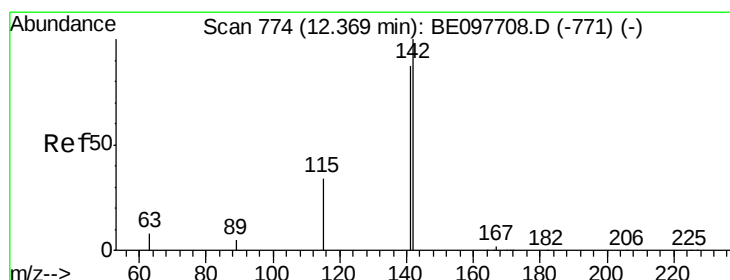
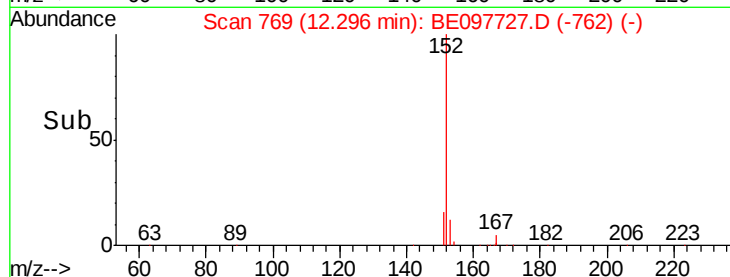
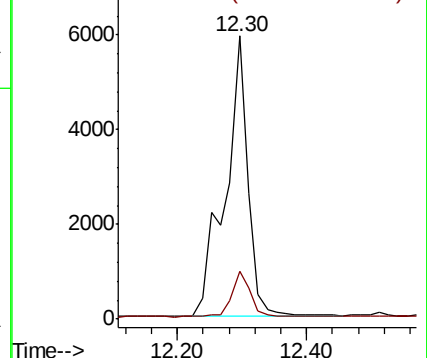
152 100

151 13.1 15.4 23.2#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.409 ng

RT: 12.37 min Scan# 774

Delta R.T. -0.00 min

Lab File: BE097727.D

Acq: 4 Oct 2018 16:10

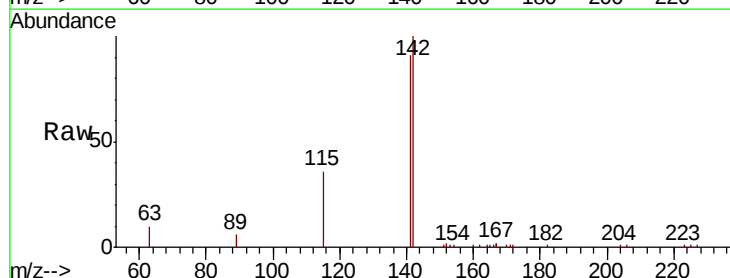
Tgt Ion:142 Resp: 10734

Ion Ratio Lower Upper

142 100

141 91.3 69.4 104.2

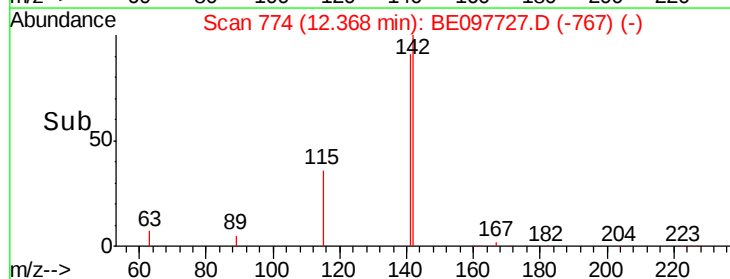
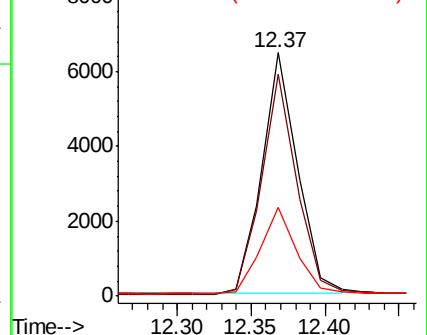
115 36.4 28.0 42.0

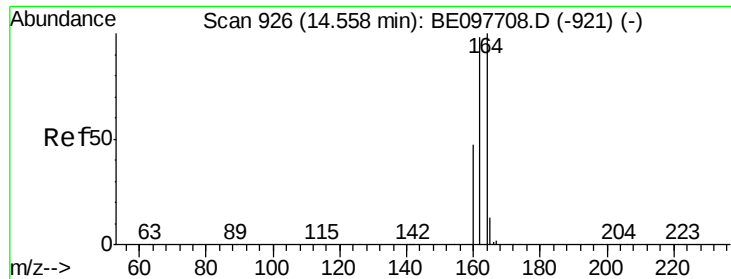


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.56 min Scan# 926

Delta R.T. -0.00 min

Lab File: BE097727.D

Acq: 4 Oct 2018 16:10

Instrument :

BNA_E

ClientSampleId :

PB113508BS

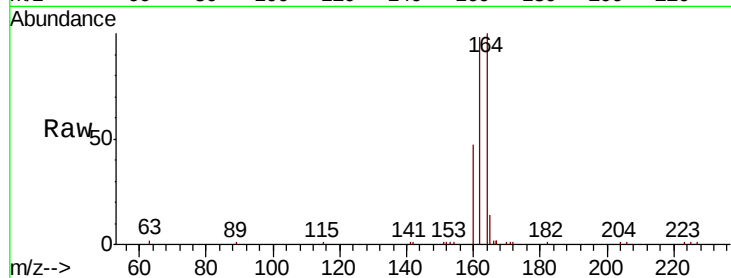
Tgt Ion:164 Resp: 7740

Ion Ratio Lower Upper

164 100

162 97.8 78.6 117.8

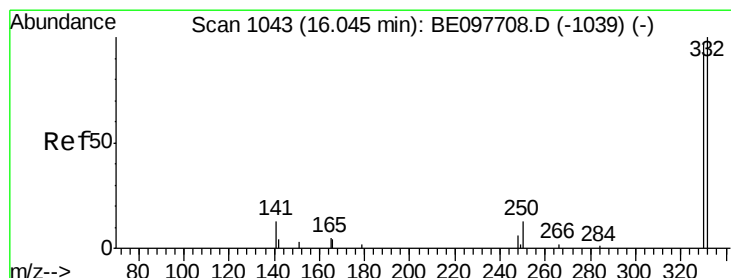
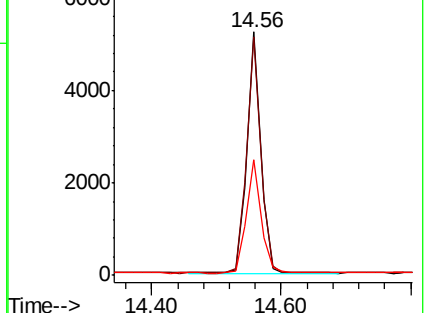
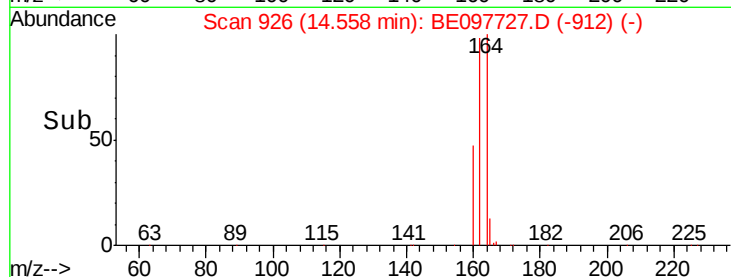
160 47.4 37.8 56.6



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: 0.329 ng

RT: 16.04 min Scan# 1043

Delta R.T. 0.00 min

Lab File: BE097727.D

Acq: 4 Oct 2018 16:10

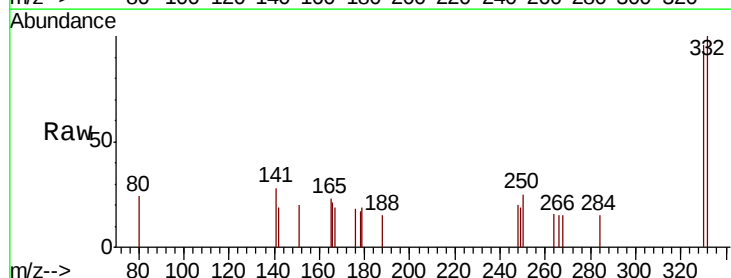
Tgt Ion:330 Resp: 461

Ion Ratio Lower Upper

330 100

332 105.4 83.5 125.3

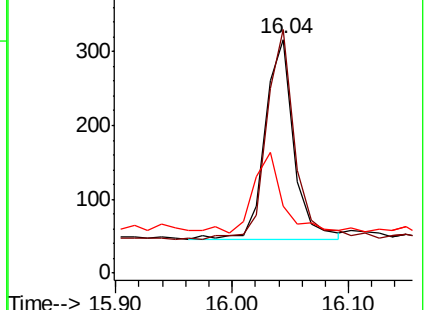
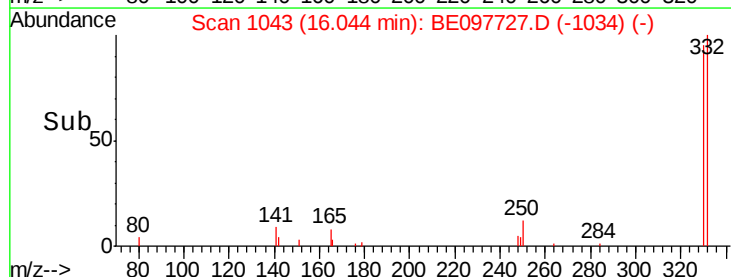
141 40.8 34.9 52.3

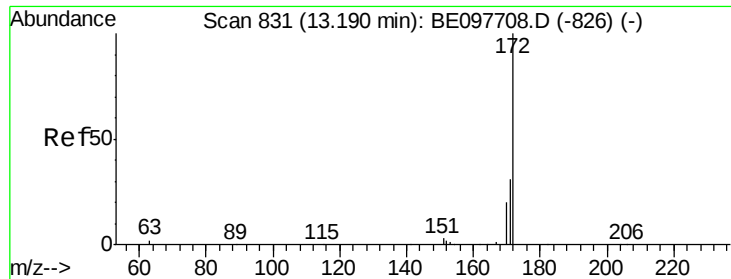


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

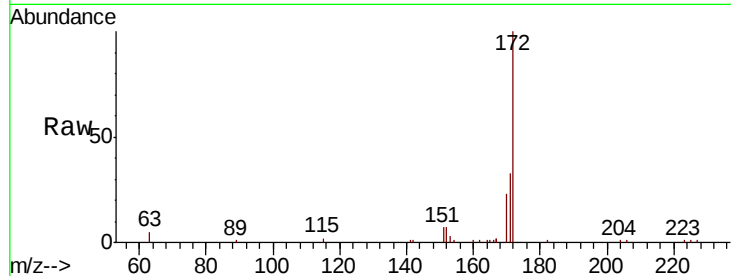




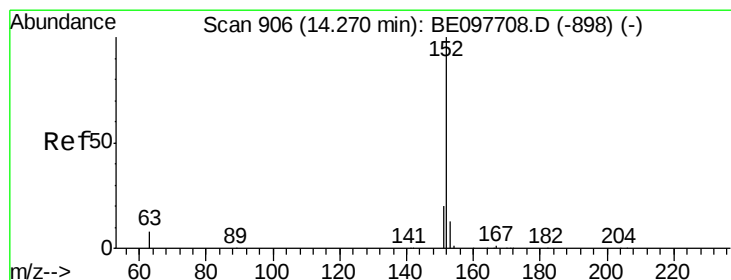
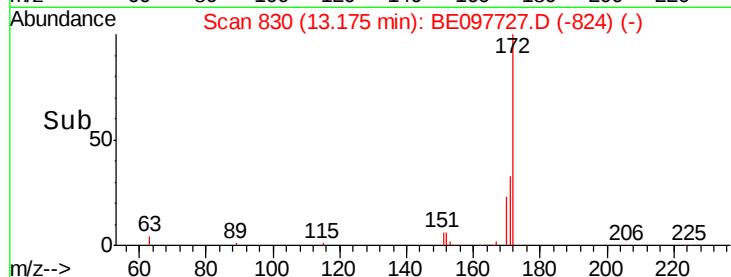
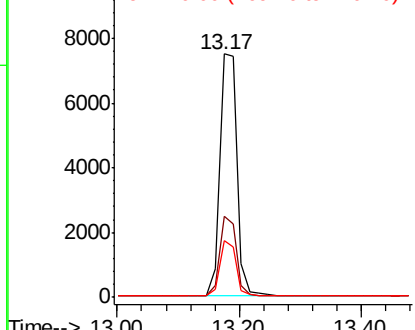
#15
2-Fluorobiphenyl
Concen: 0.431 ng
RT: 13.17 min Scan# 830
Delta R.T. -0.01 min
Lab File: BE097727.D
Acq: 4 Oct 2018 16:10

Instrument :
BNA_E
ClientSampleId :
PB113508BS

Tgt Ion:172 Resp: 14696
Ion Ratio Lower Upper
172 100
171 33.4 25.2 37.8
170 23.4 16.2 24.2

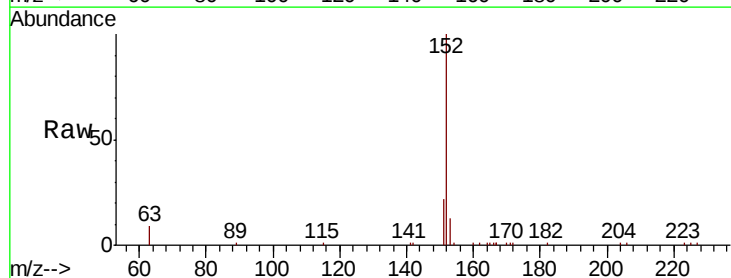


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

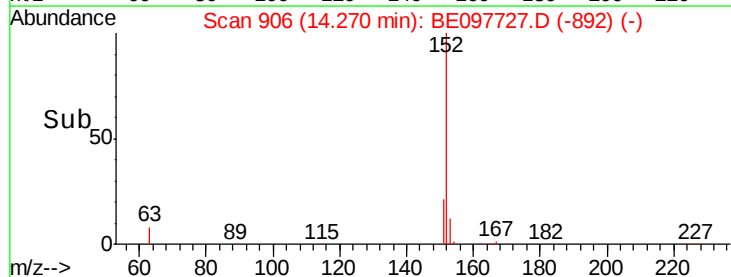
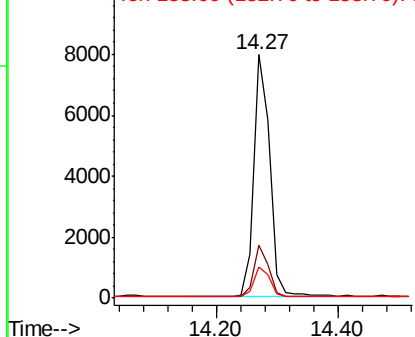


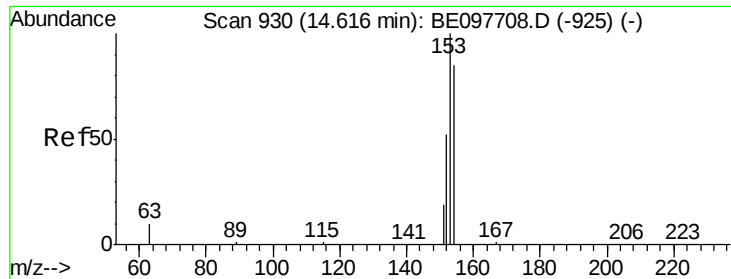
#16
Acenaphthylene
Concen: 0.411 ng
RT: 14.27 min Scan# 906
Delta R.T. -0.00 min
Lab File: BE097727.D
Acq: 4 Oct 2018 16:10

Tgt Ion:152 Resp: 14092
Ion Ratio Lower Upper
152 100
151 19.9 15.3 22.9
153 12.7 10.8 16.2



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: 0.386 ng

RT: 14.62 min Scan# 930

Delta R.T. -0.00 min

Lab File: BE097727.D

Acq: 4 Oct 2018 16:10

Instrument :

BNA_E

ClientSampleId :

PB113508BS

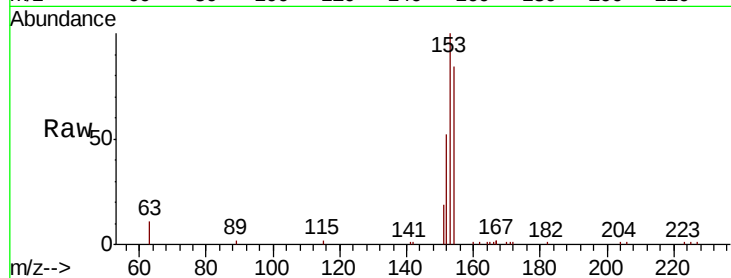
Tgt Ion:154 Resp: 8481

Ion Ratio Lower Upper

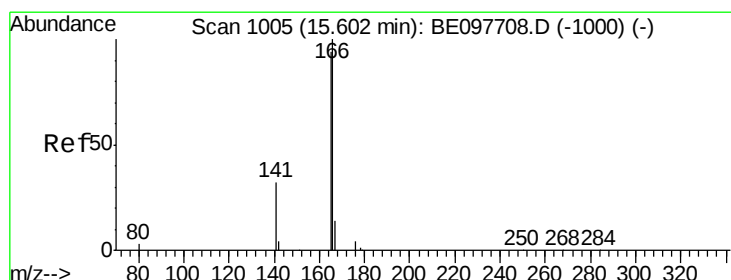
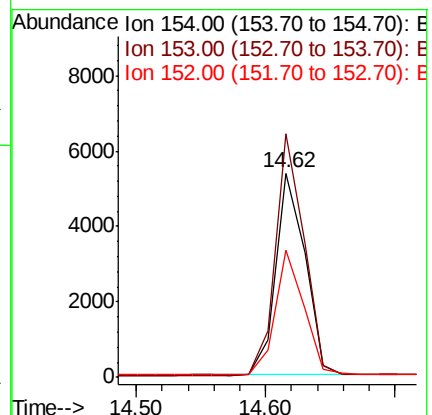
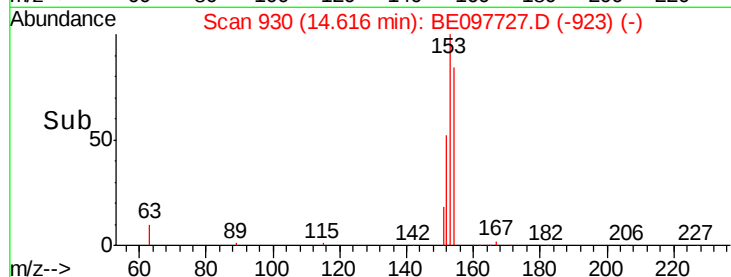
154 100

153 116.2 93.3 139.9

152 59.9 48.9 73.3



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



#18

Fluorene

Concen: 0.386 ng

RT: 15.60 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BE097727.D

Acq: 4 Oct 2018 16:10

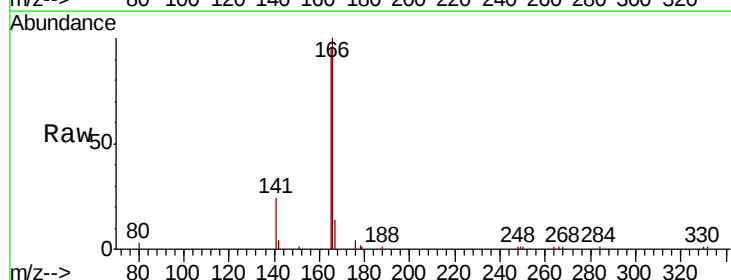
Tgt Ion:166 Resp: 11260

Ion Ratio Lower Upper

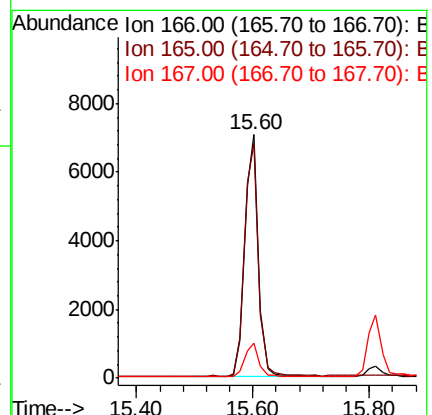
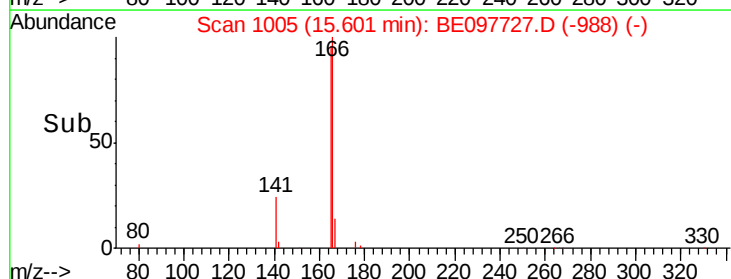
166 100

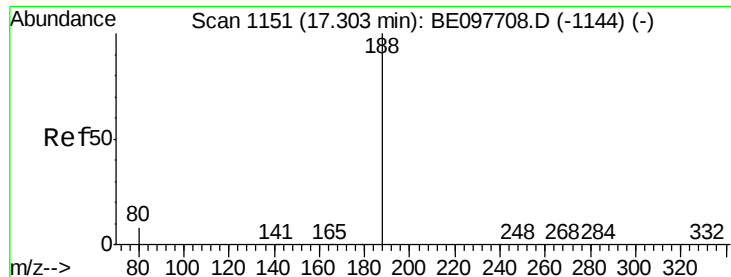
165 99.3 79.0 118.4

167 13.9 11.1 16.7



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.30 min Scan# 1151

Delta R.T. -0.00 min

Lab File: BE097727.D

Acq: 4 Oct 2018 16:10

Instrument :

BNA_E

ClientSampleId :

PB113508BS

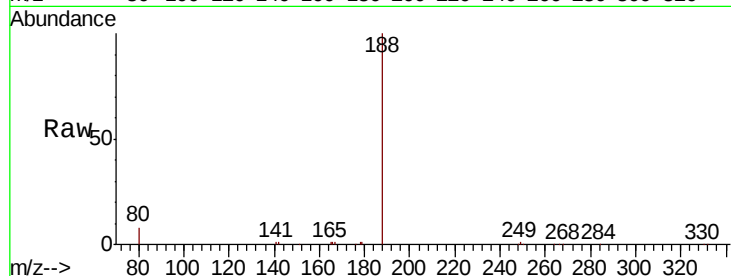
Tgt Ion:188 Resp: 17506

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

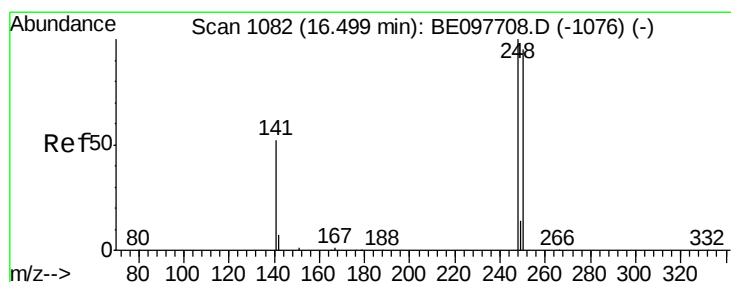
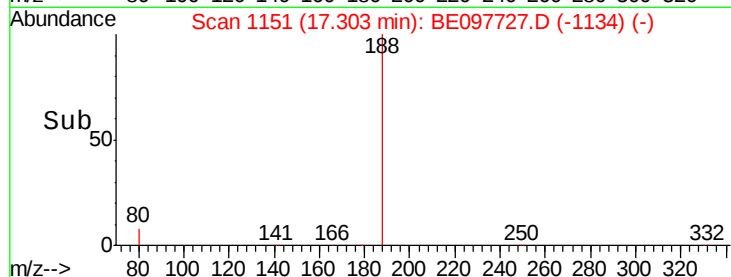
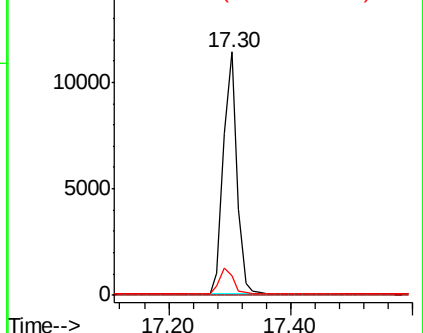
80 8.2 6.6 9.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.402 ng

RT: 16.50 min Scan# 1082

Delta R.T. -0.00 min

Lab File: BE097727.D

Acq: 4 Oct 2018 16:10

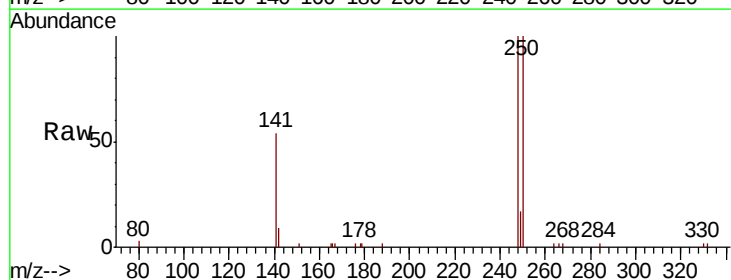
Tgt Ion:248 Resp: 3690

Ion Ratio Lower Upper

248 100

250 99.6 76.1 114.1

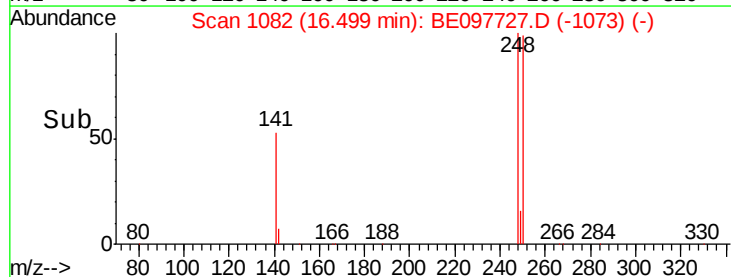
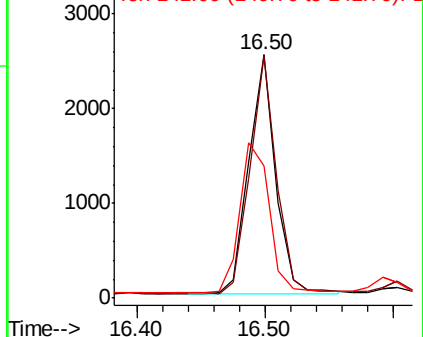
141 54.3 42.2 63.4

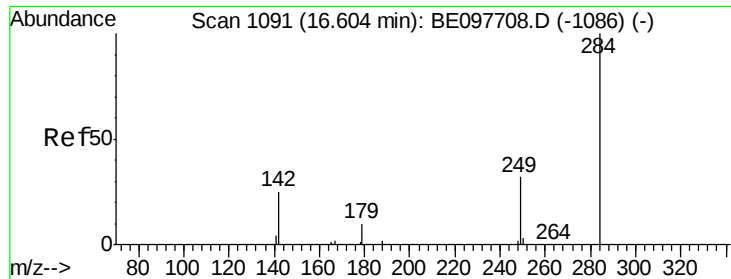


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

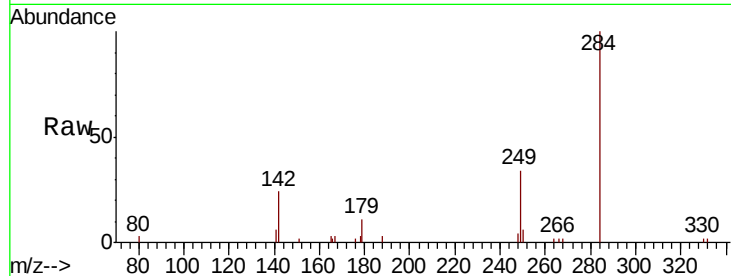




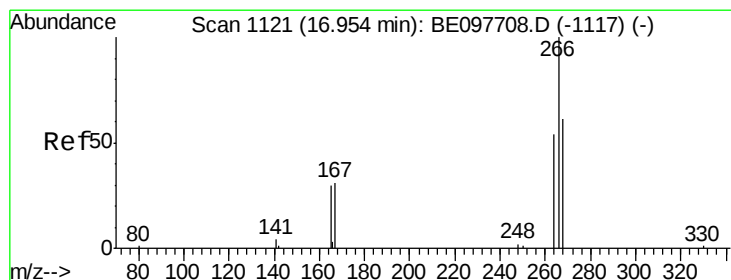
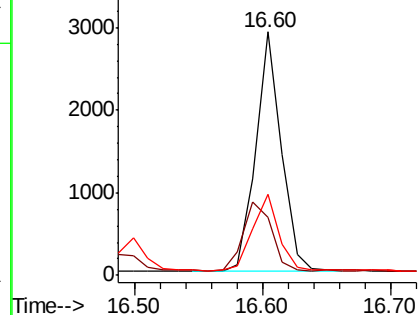
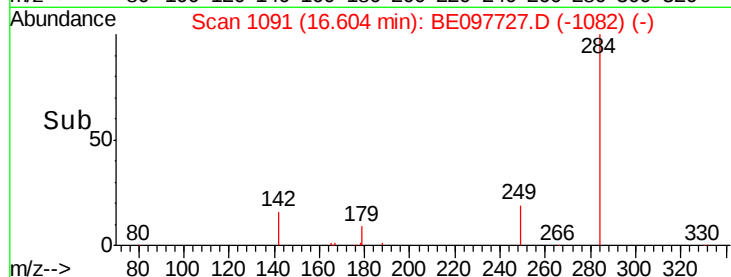
#21
Hexachlorobenzene
Concen: 0.392 ng
RT: 16.60 min Scan# 1091
Delta R.T. -0.00 min
Lab File: BE097727.D
Acq: 4 Oct 2018 16:10

Instrument :
BNA_E
ClientSampleId :
PB113508BS

Tgt Ion: 284 Resp: 4046
Ion Ratio Lower Upper
284 100
142 31.9 24.9 37.3
249 33.1 25.8 38.8

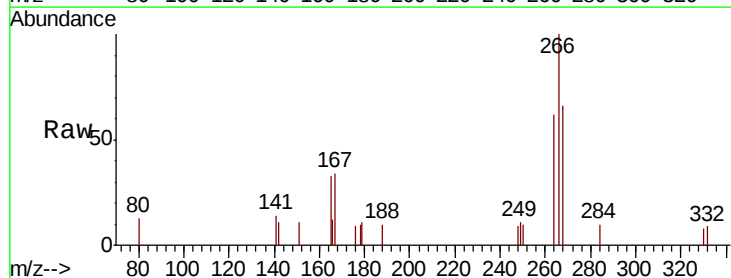


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

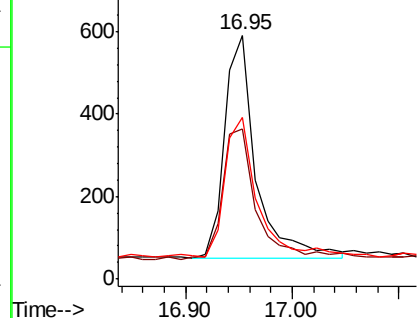
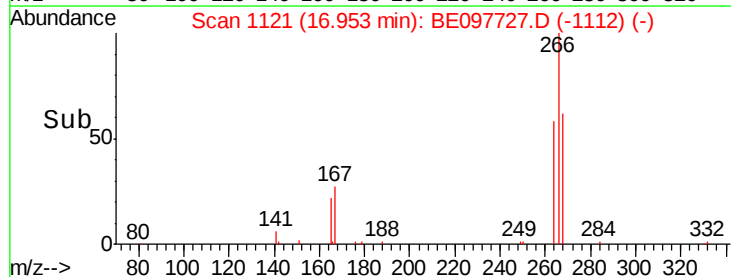


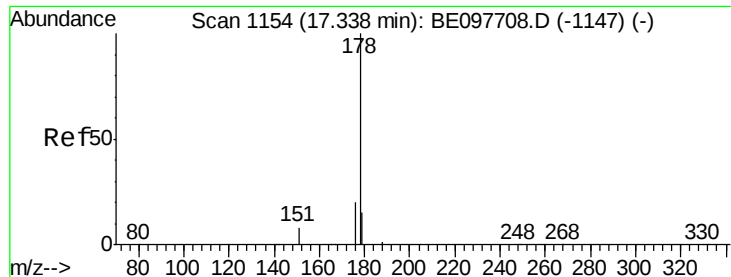
#22
Pentachlorophenol
Concen: 0.677 ng
RT: 16.95 min Scan# 1121
Delta R.T. 0.00 min
Lab File: BE097727.D
Acq: 4 Oct 2018 16:10

Tgt Ion: 266 Resp: 1097
Ion Ratio Lower Upper
266 100
264 61.8 46.8 70.2
268 66.5 53.0 79.6



Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.424 ng

RT: 17.34 min Scan# 1154

Delta R.T. -0.00 min

Lab File: BE097727.D

Acq: 4 Oct 2018 16:10

Instrument :

BNA_E

ClientSampleId :

PB113508BS

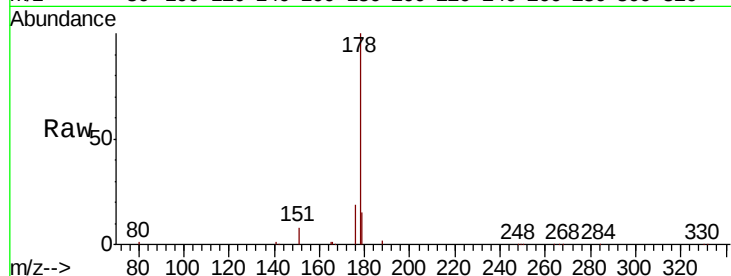
Tgt Ion:178 Resp: 19126

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.2

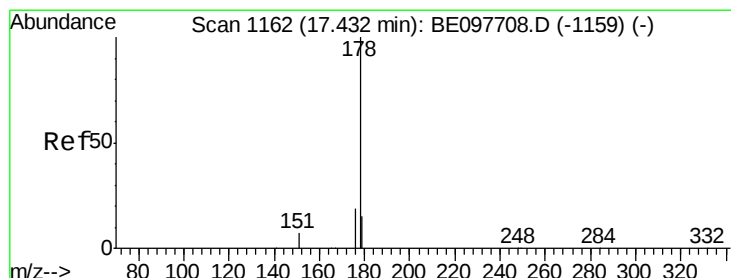
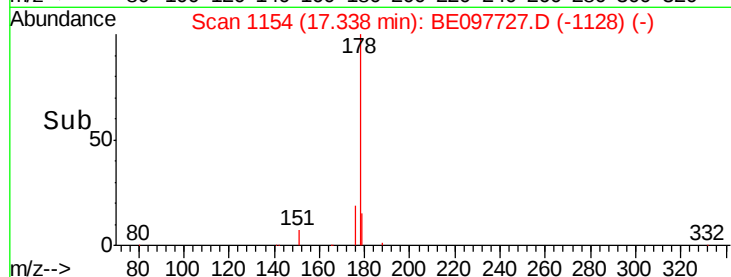
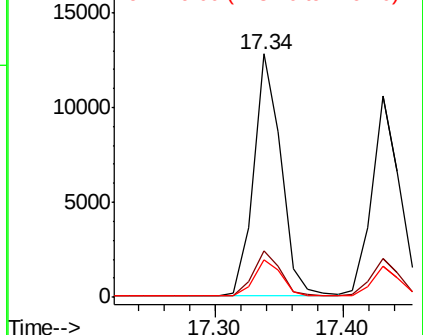
179 15.2 12.2 18.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.412 ng

RT: 17.43 min Scan# 1162

Delta R.T. -0.00 min

Lab File: BE097727.D

Acq: 4 Oct 2018 16:10

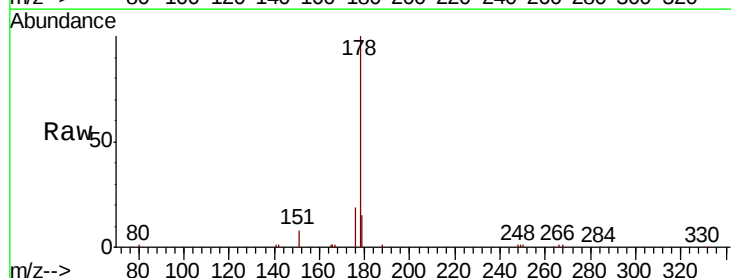
Tgt Ion:178 Resp: 16029

Ion Ratio Lower Upper

178 100

176 19.2 15.1 22.7

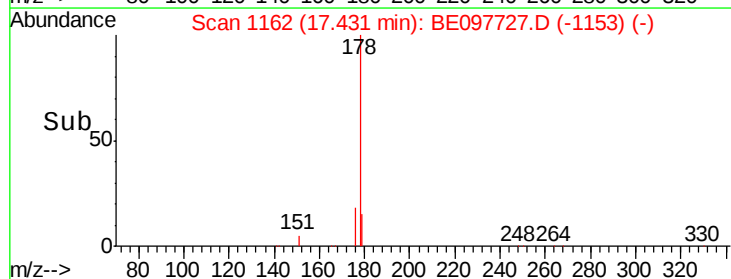
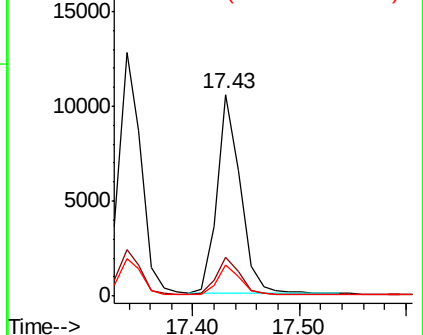
179 15.1 12.2 18.2

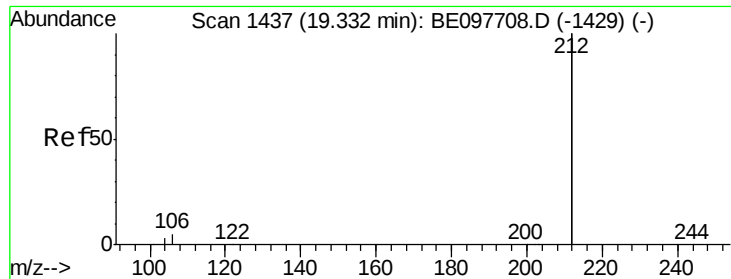


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

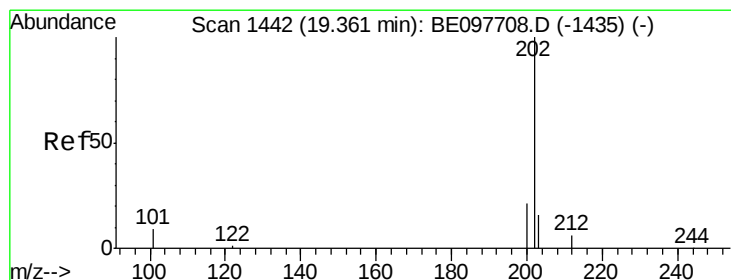
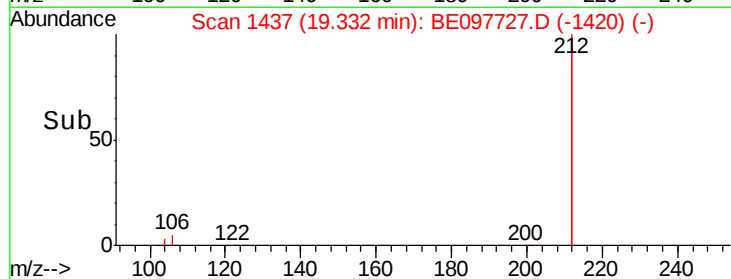
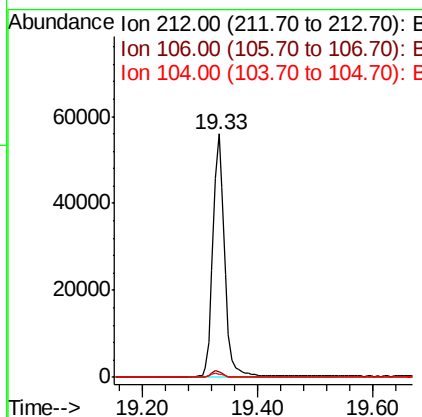
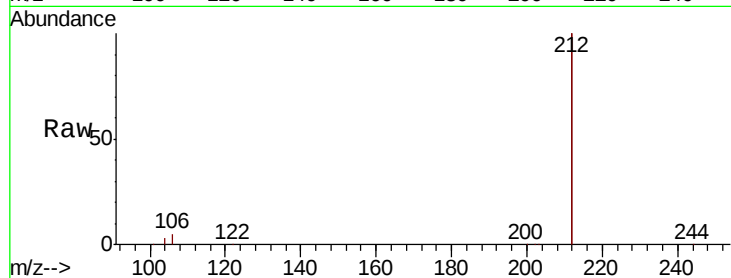




#25
 Fluoranthene-d10
 Concen: 0.354 ng
 RT: 19.33 min Scan# 1437
 Delta R.T. 0.00 min
 Lab File: BE097727.D
 Acq: 4 Oct 2018 16:10

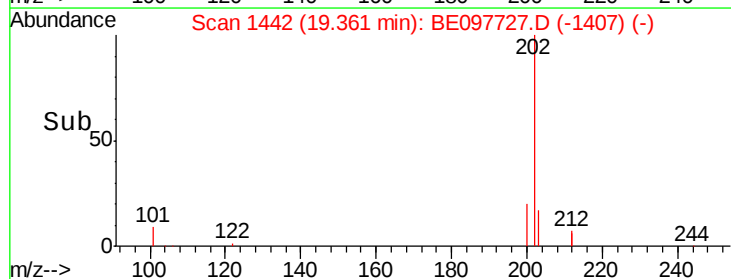
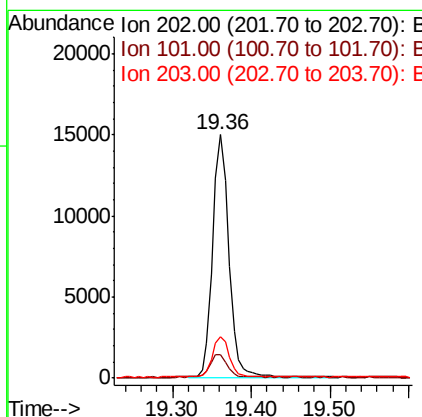
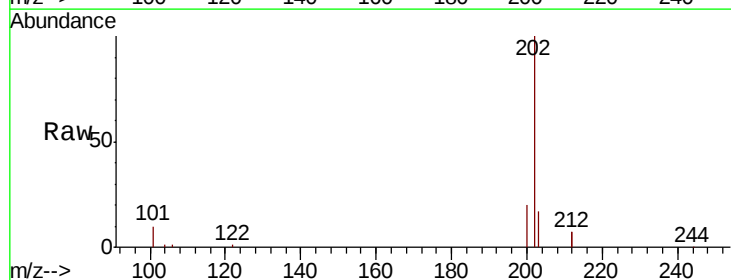
Instrument :
 BNA_E
 ClientSampleId :
 PB113508BS

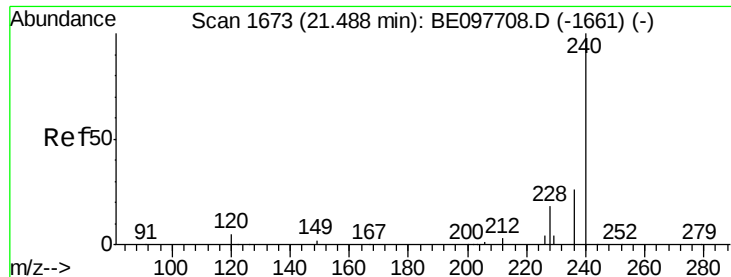
Tgt Ion:212 Resp: 78457
 Ion Ratio Lower Upper
 212 100
 106 2.7 2.2 3.2
 104 1.5 1.2 1.8



#26
 Fluoranthene
 Concen: 0.367 ng
 RT: 19.36 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: BE097727.D
 Acq: 4 Oct 2018 16:10

Tgt Ion:202 Resp: 21111
 Ion Ratio Lower Upper
 202 100
 101 10.1 7.8 11.8
 203 17.0 13.8 20.6

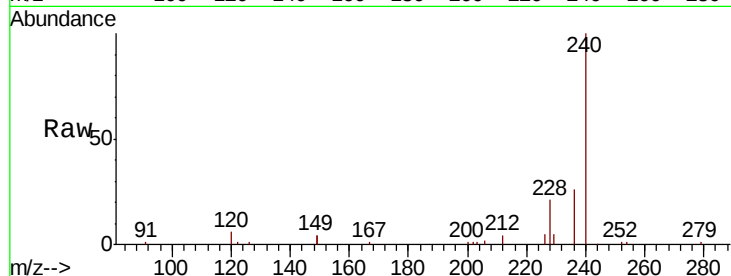




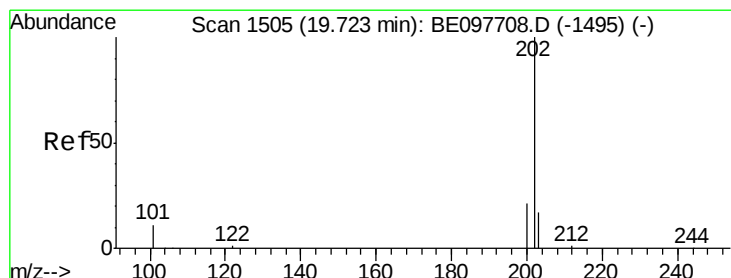
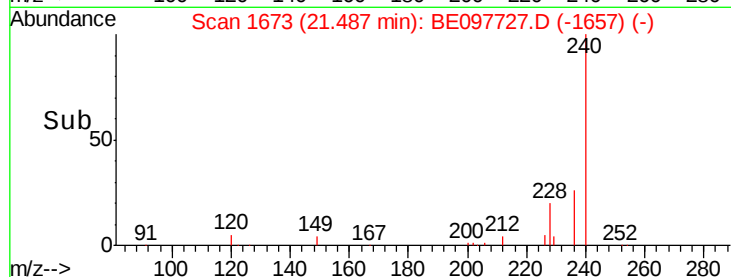
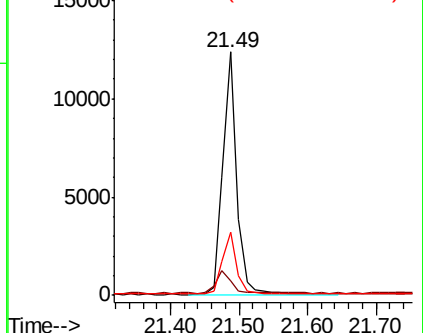
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.49 min Scan# 1673
 Delta R.T. -0.00 min
 Lab File: BE097727.D
 Acq: 4 Oct 2018 16:10

Instrument :
 BNA_E
 ClientSampleId :
 PB113508BS

Tgt Ion:240 Resp: 17445
 Ion Ratio Lower Upper
 240 100
 120 6.1 4.7 7.1
 236 26.0 20.8 31.2

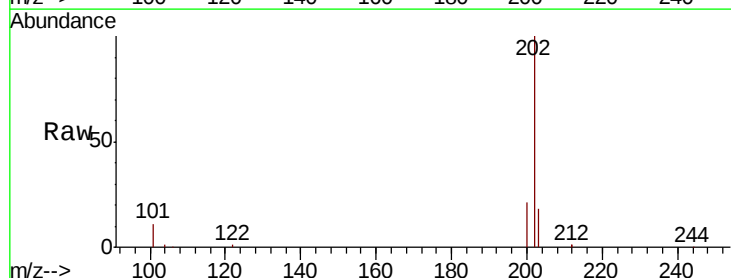


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

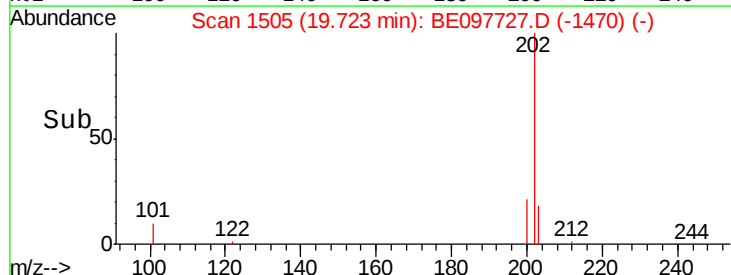
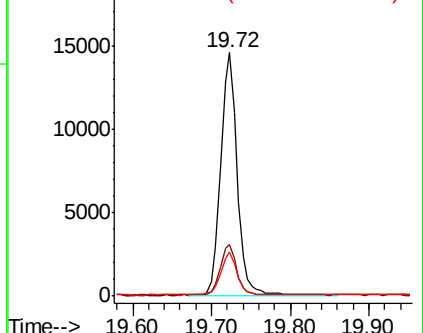


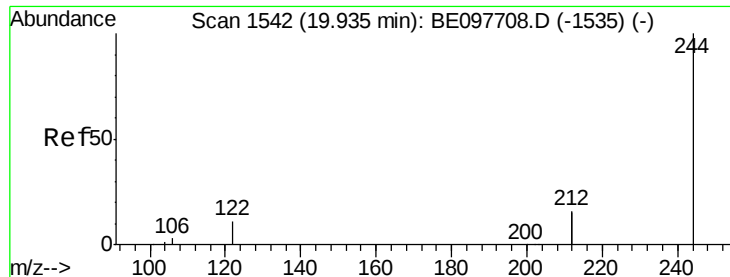
#28
 Pyrene
 Concen: 0.470 ng
 RT: 19.72 min Scan# 1505
 Delta R.T. 0.00 min
 Lab File: BE097727.D
 Acq: 4 Oct 2018 16:10

Tgt Ion:202 Resp: 20832
 Ion Ratio Lower Upper
 202 100
 200 20.8 16.7 25.1
 203 17.9 13.9 20.9



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: 0.377 ng

RT: 19.94 min Scan# 1542

Delta R.T. 0.00 min

Lab File: BE097727.D

Acq: 4 Oct 2018 16:10

Instrument :

BNA_E

ClientSampleId :

PB113508BS

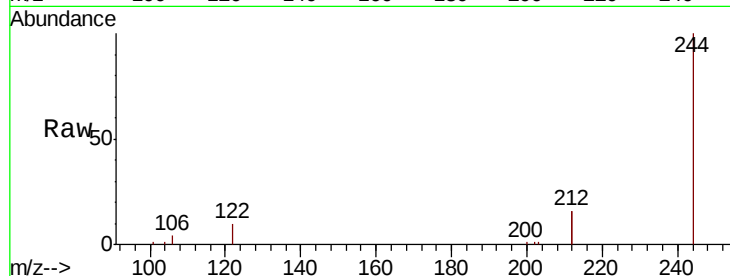
Tgt Ion:244 Resp: 13416

Ion Ratio Lower Upper

244 100

212 32.7 25.8 38.8

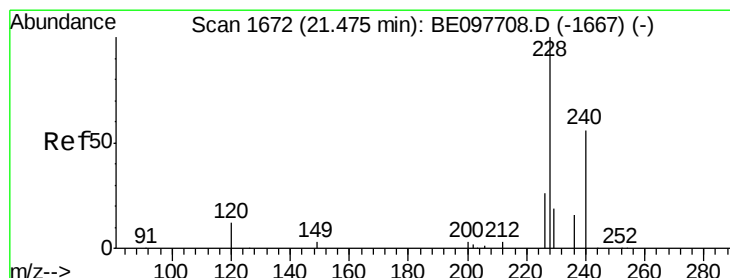
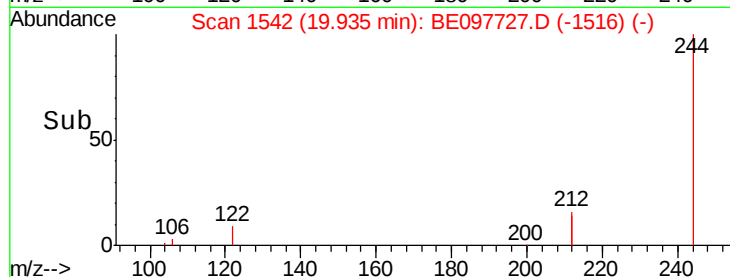
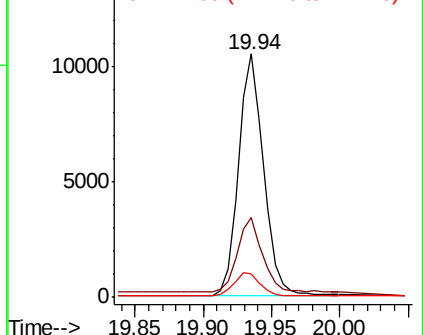
122 9.7 8.7 13.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.428 ng

RT: 21.46 min Scan# 1671

Delta R.T. -0.01 min

Lab File: BE097727.D

Acq: 4 Oct 2018 16:10

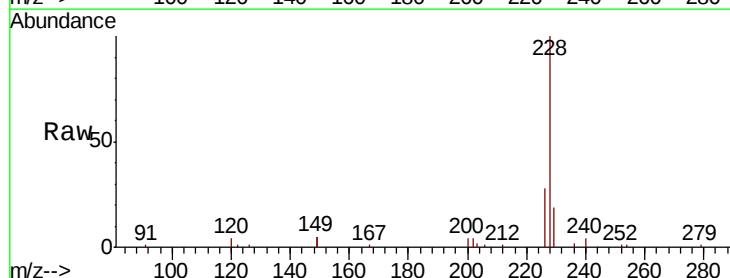
Tgt Ion:228 Resp: 20054

Ion Ratio Lower Upper

228 100

226 27.7 20.7 31.1

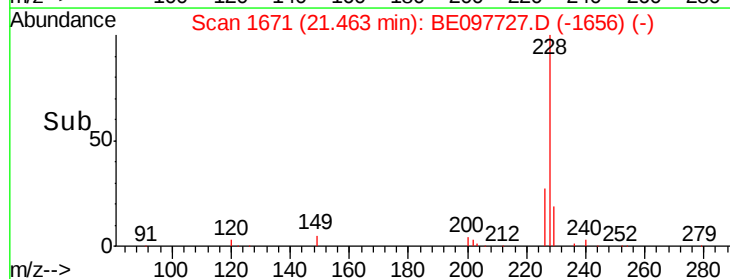
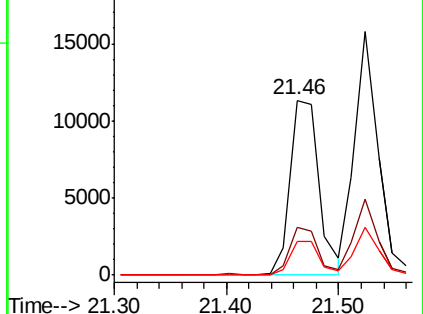
229 19.1 15.7 23.5

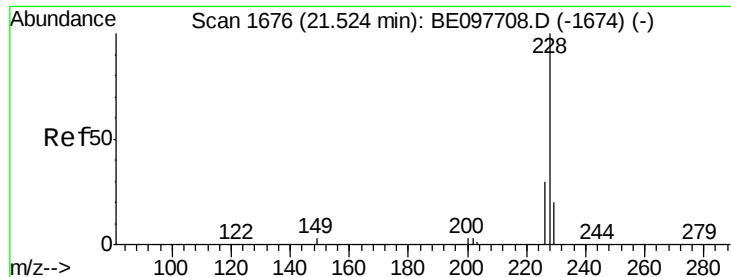


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.435 ng

RT: 21.52 min Scan# 1676

Delta R.T. -0.00 min

Lab File: BE097727.D

Acq: 4 Oct 2018 16:10

Instrument :

BNA_E

ClientSampleId :

PB113508BS

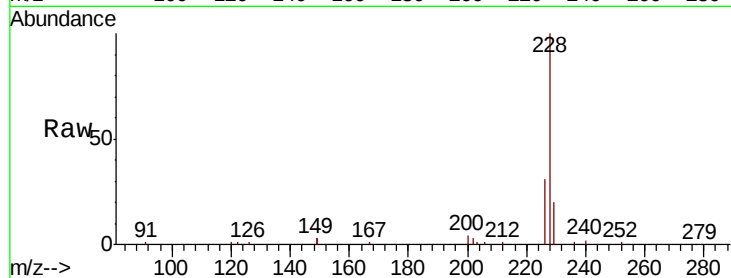
Tgt Ion:228 Resp: 22798

Ion Ratio Lower Upper

228 100

226 31.0 24.3 36.5

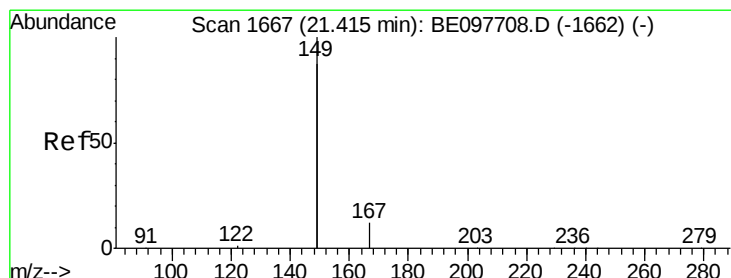
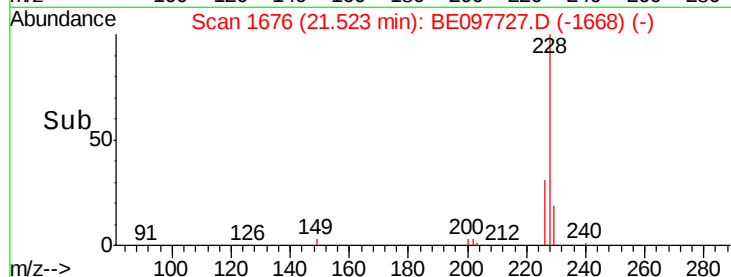
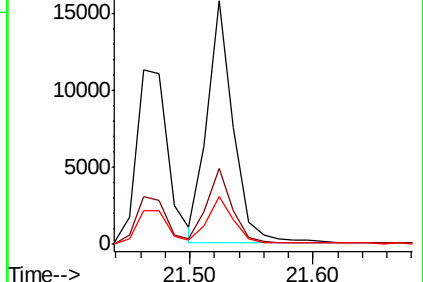
229 19.7 16.0 24.0



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: 0.391 ng

RT: 21.41 min Scan# 1667

Delta R.T. 0.00 min

Lab File: BE097727.D

Acq: 4 Oct 2018 16:10

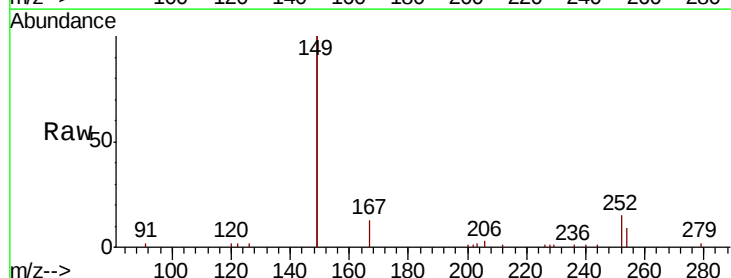
Tgt Ion:149 Resp: 13412

Ion Ratio Lower Upper

149 100

167 6.5 5.5 8.3

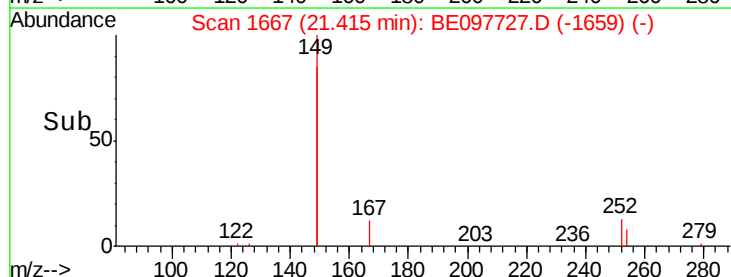
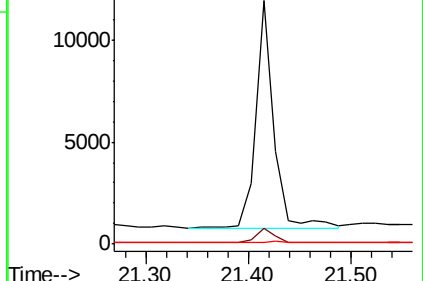
279 1.3 0.9 1.3

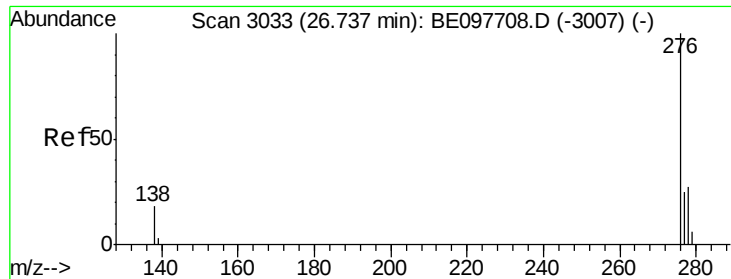


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.525 ng

RT: 26.74 min Scan# 3033

Delta R.T. -0.00 min

Lab File: BE097727.D

Acq: 4 Oct 2018 16:10

Instrument :

BNA_E

ClientSampleId :

PB113508BS

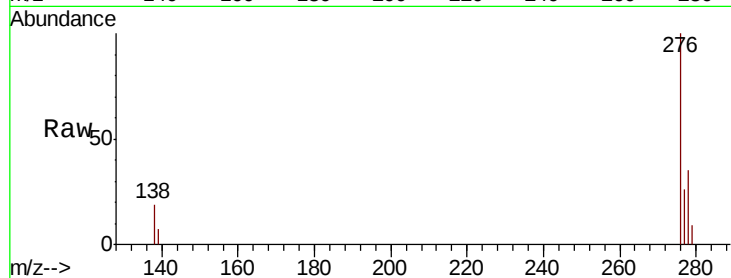
Tgt Ion:276 Resp: 23901

Ion Ratio Lower Upper

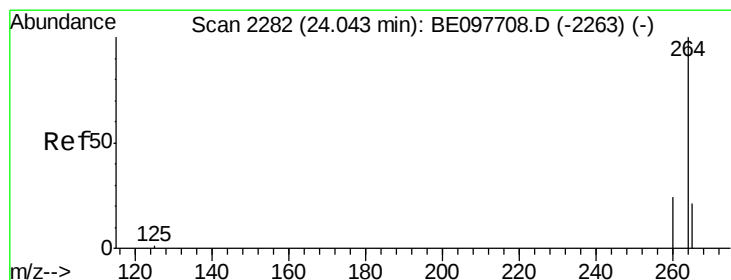
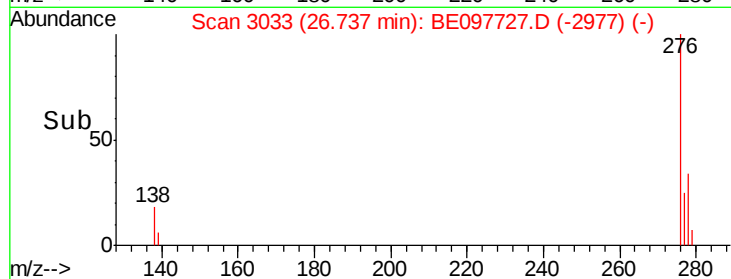
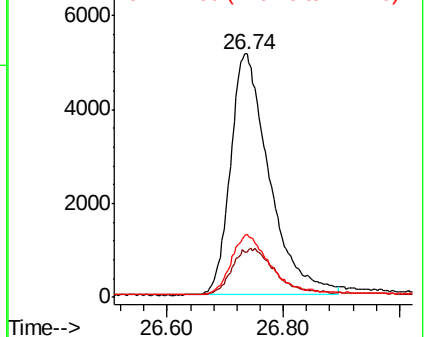
276 100

138 20.8 15.0 22.6

277 24.2 19.2 28.8



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.04 min Scan# 2281

Delta R.T. -0.00 min

Lab File: BE097727.D

Acq: 4 Oct 2018 16:10

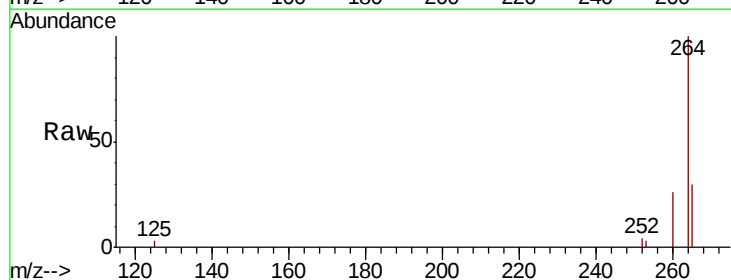
Tgt Ion:264 Resp: 16246

Ion Ratio Lower Upper

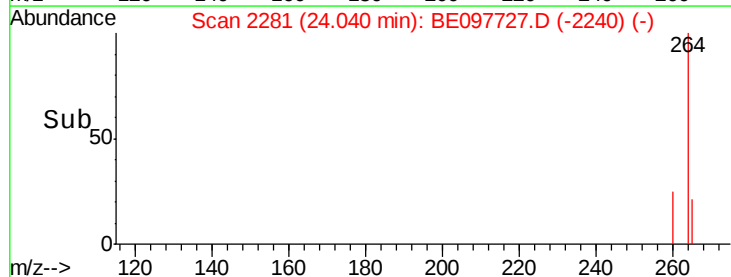
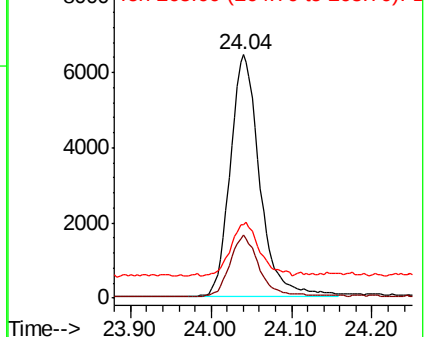
264 100

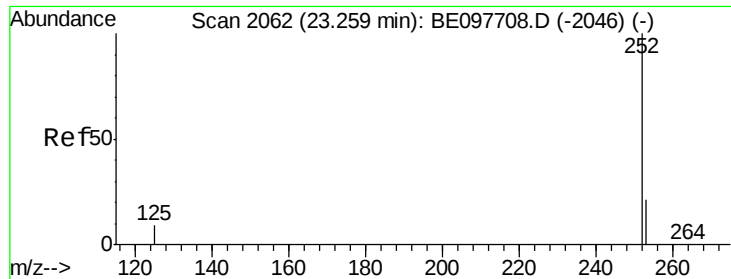
260 25.7 19.1 28.7

265 30.1 21.9 32.9



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

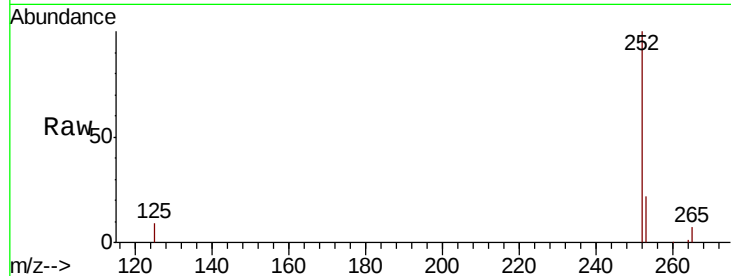




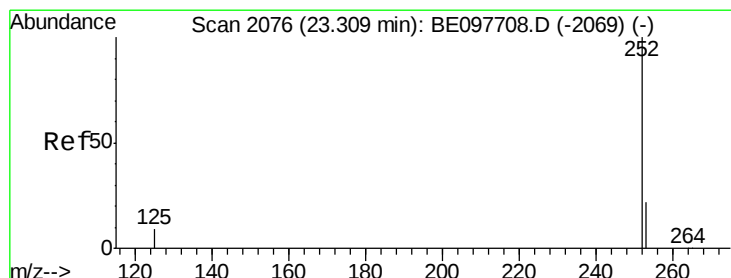
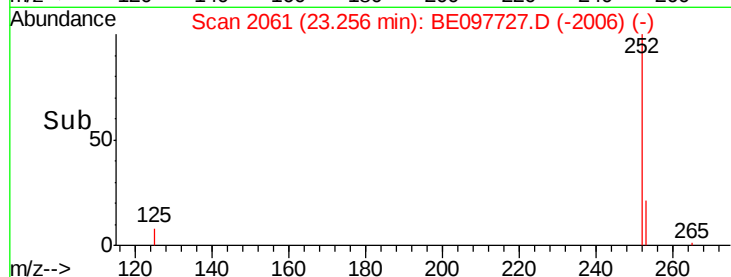
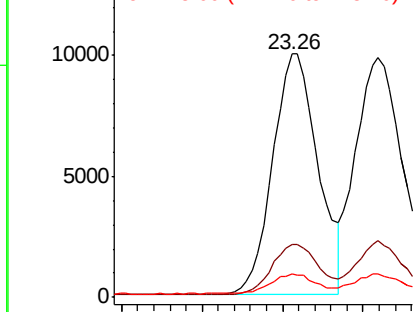
#35
Benzo(b)fluoranthene
Concen: 0.438 ng
RT: 23.26 min Scan# 2061
Delta R.T. -0.00 min
Lab File: BE097727.D
Acq: 4 Oct 2018 16:10

Instrument :
BNA_E
ClientSampleId :
PB113508BS

Tgt Ion:252 Resp: 19540
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 9.4 7.8 11.8

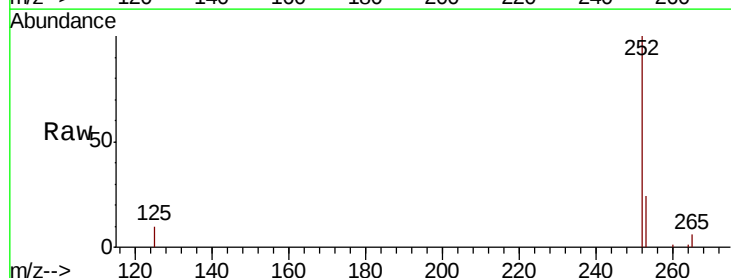


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

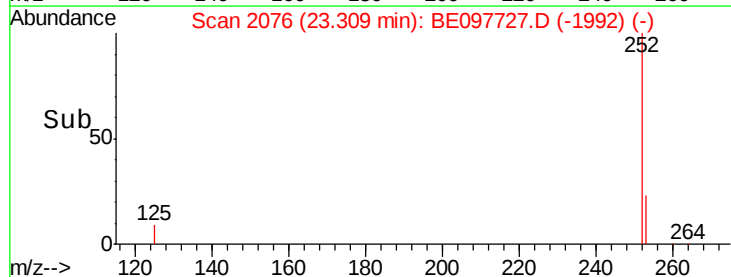
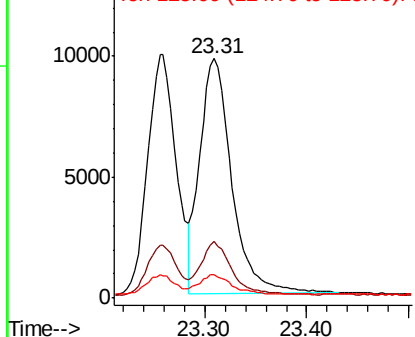


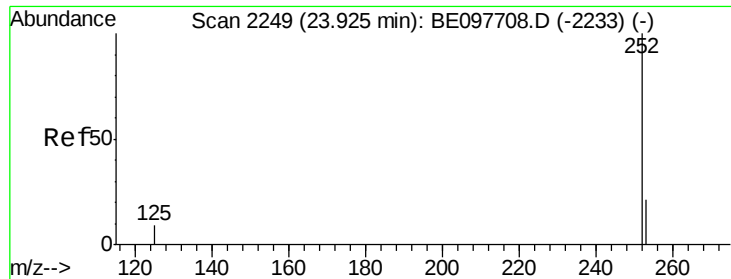
#36
Benzo(k)fluoranthene
Concen: 0.429 ng
RT: 23.31 min Scan# 2076
Delta R.T. 0.00 min
Lab File: BE097727.D
Acq: 4 Oct 2018 16:10

Tgt Ion:252 Resp: 21210
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 9.9 7.5 11.3



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: 0.459 ng

RT: 23.93 min Scan# 2249

Delta R.T. 0.00 min

Lab File: BE097727.D

Acq: 4 Oct 2018 16:10

Instrument :

BNA_E

ClientSampleId :

PB113508BS

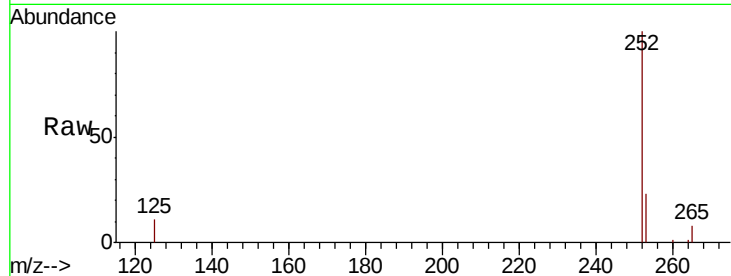
Tgt Ion:252 Resp: 18534

Ion Ratio Lower Upper

252 100

253 23.0 17.7 26.5

125 11.0 8.3 12.5

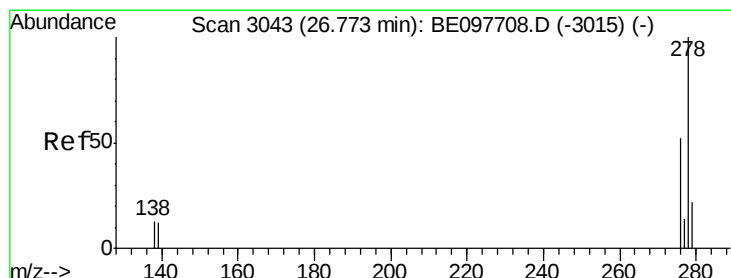
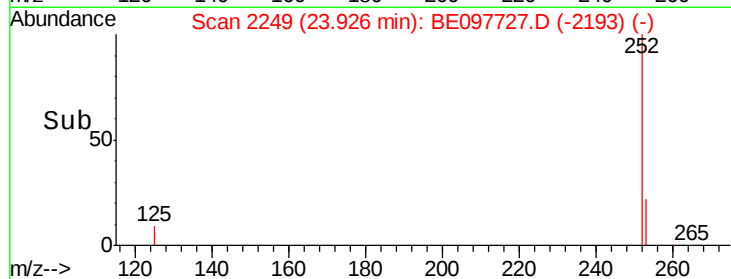
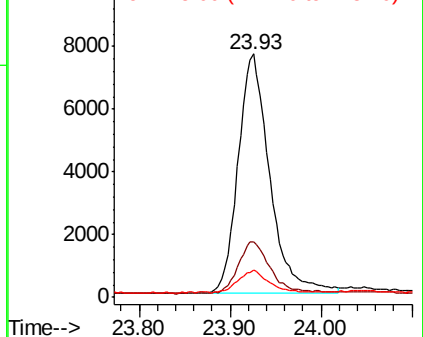


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.511 ng

RT: 26.77 min Scan# 3041

Delta R.T. -0.01 min

Lab File: BE097727.D

Acq: 4 Oct 2018 16:10

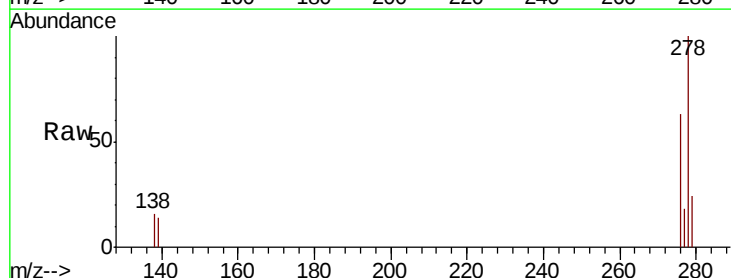
Tgt Ion:278 Resp: 20312

Ion Ratio Lower Upper

278 100

139 14.5 10.3 15.5

279 23.8 18.4 27.6

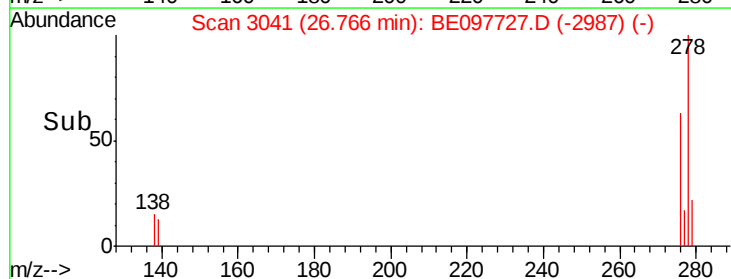
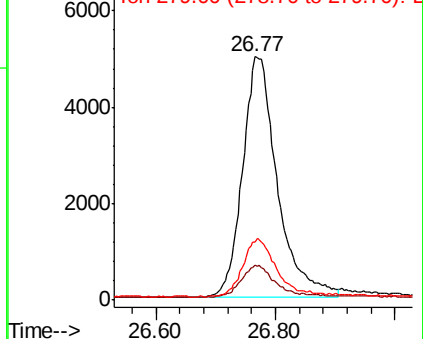


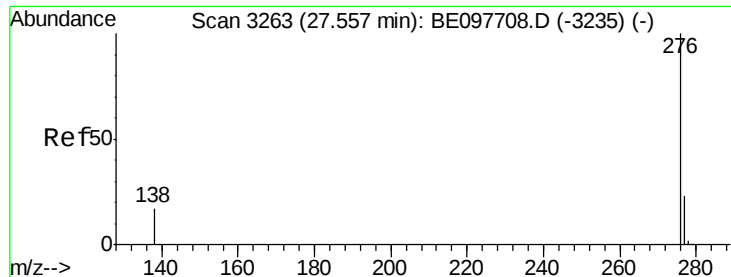
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.528 ng

RT: 27.55 min Scan# 3262

Delta R.T. -0.00 min

Lab File: BE097727.D

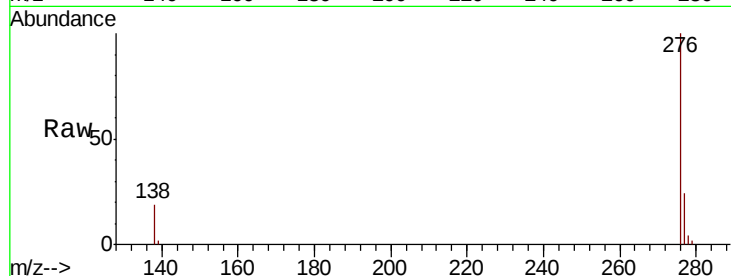
Acq: 4 Oct 2018 16:10

Instrument :

BNA_E

ClientSampleId :

PB113508BS



Tgt Ion: 276 Resp: 21947

Ion Ratio Lower Upper

276 100

277 23.7 19.1 28.7

138 18.9 14.2 21.2

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

