

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE100518\
 Data File : BE097747.D
 Acq On : 5 Oct 2018 9:57
 Operator : SJ/JU
 Sample : PB113432BSD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB113432BSD

Quant Time: Oct 05 14:04:14 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	7.89	152	4491	0.40	ng	-0.01
7) Naphthalene-d8	10.69	136	16550	0.40	ng	0.00
13) Acenaphthene-d10	14.56	164	7890	0.40	ng	0.00
19) Phenanthrene-d10	17.29	188	17451	0.40	ng	-0.01
27) Chrysene-d12	21.49	240	17557	0.40	ng	0.00
34) Perylene-d12	24.03	264	16784	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.47	112	4246	0.40	ng	0.00
5) Phenol-d6	7.05	99	5773	0.35	ng	0.00
8) Nitrobenzene-d5	9.04	82	3554	0.66	ng	0.00
11) 2-Methylnaphthalene-d10	12.30	152	13239	0.50	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	534	0.37	ng	-0.01
15) 2-Fluorobiphenyl	13.17	172	14175	0.41	ng	-0.02
25) Fluoranthene-d10	19.33	212	77380	0.35	ng	0.00
29) Terphenyl-d14	19.93	244	13516	0.38	ng	0.00

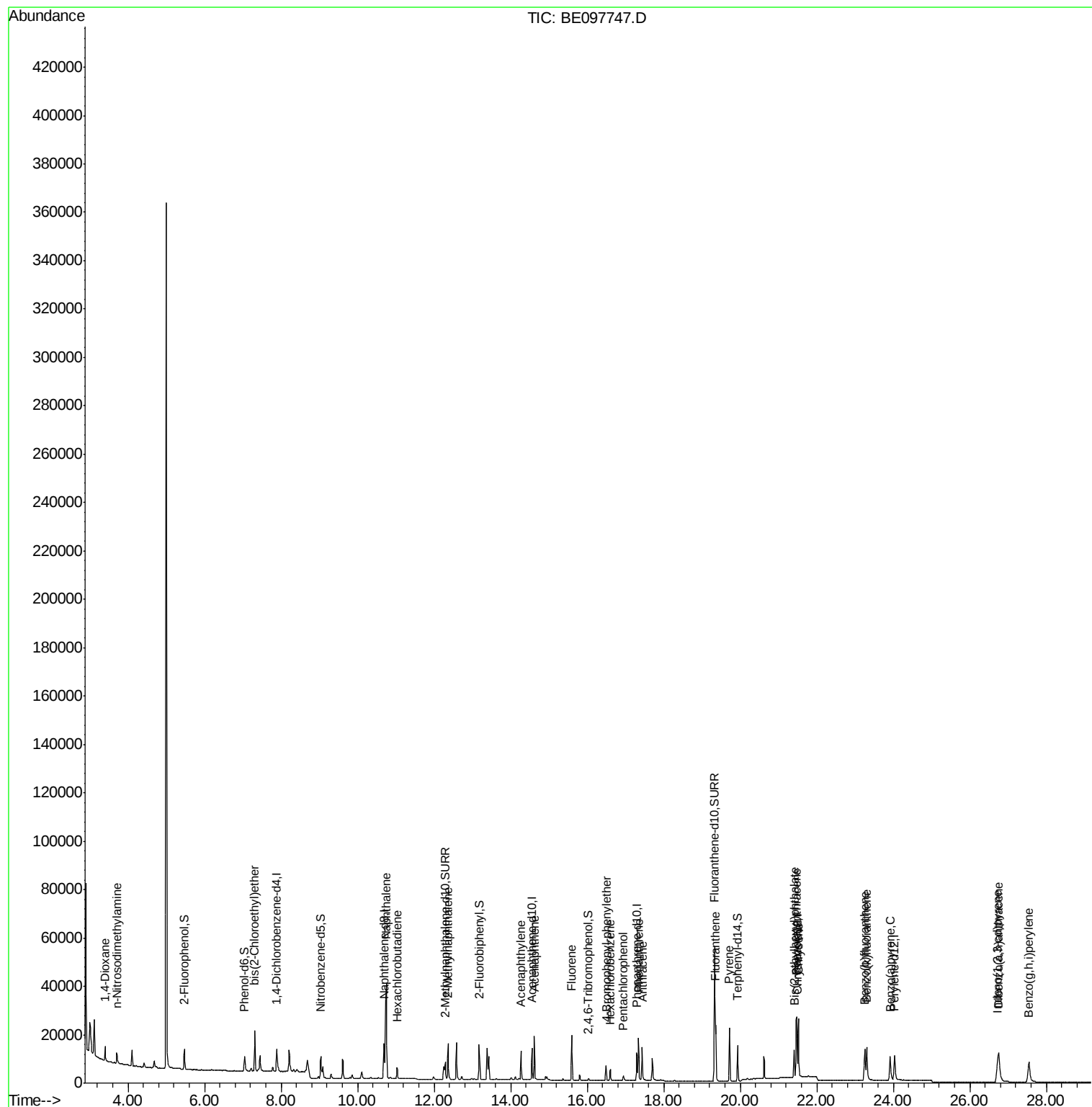
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.41	88	3538	0.395	ng	96
3) n-Nitrosodimethylamine	3.71	42	3160	0.388	ng	# 91
6) bis(2-Chloroethyl)ether	7.31	93	5730	0.340	ng	96
9) Naphthalene	10.74	128	69080	0.414	ng	99
10) Hexachlorobutadiene	11.03	225	3358	0.379	ng	98
12) 2-Methylnaphthalene	12.37	142	10795	0.404	ng	99
16) Acenaphthylene	14.27	152	13391	0.383	ng	98
17) Acenaphthene	14.61	154	8428	0.377	ng	100
18) Fluorene	15.59	166	11007	0.370	ng	99
20) 4-Bromophenyl-phenylether	16.50	248	3663	0.400	ng	# 90
21) Hexachlorobenzene	16.60	284	3978	0.386	ng	99
22) Pentachlorophenol	16.94	266	1266	0.784	ng	97
23) Phenanthrene	17.34	178	18792	0.418	ng	99
24) Anthracene	17.43	178	15482	0.399	ng	99
26) Fluoranthene	19.36	202	20718	0.362	ng	99
28) Pyrene	19.72	202	20729	0.465	ng	100
30) Benzo(a)anthracene	21.46	228	19557	0.414	ng	98
31) Chrysene	21.52	228	23775	0.451	ng	98
32) Bis(2-ethylhexyl)phthalate	21.41	149	14891	0.431	ng	99
33) Indeno(1,2,3-cd)pyrene	26.72	276	23924	0.522	ng	# 89
35) Benzo(b)fluoranthene	23.25	252	20161	0.438	ng	100
36) Benzo(k)fluoranthene	23.30	252	22053	0.432	ng	97
37) Benzo(a)pyrene	23.92	252	18749	0.450	ng	97
38) Dibenzo(a,h)anthracene	26.76	278	20586	0.501	ng	95
39) Benzo(g,h,i)perylene	27.55	276	22600	0.526	ng	99

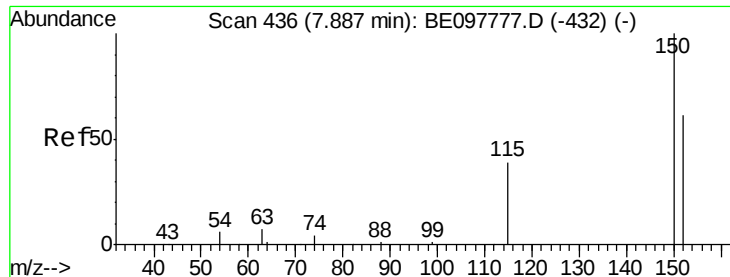
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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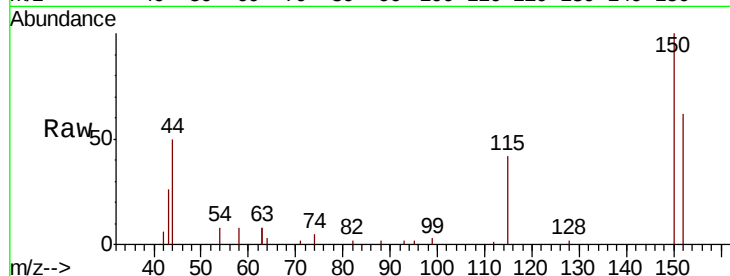


#1

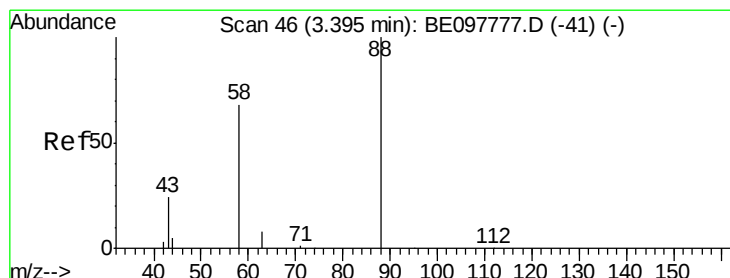
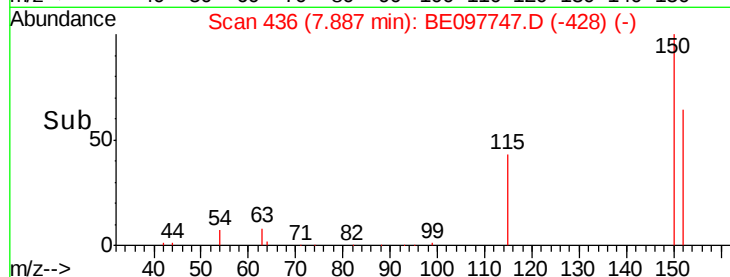
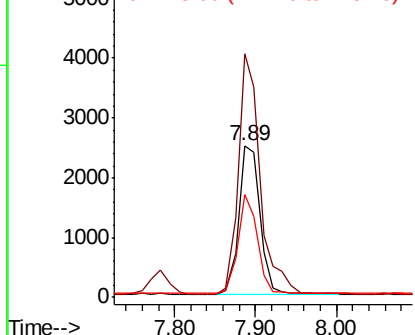
1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.89 min Scan# 436
 Delta R.T. -0.01 min
 Lab File: BE097747.D
 Acq: 5 Oct 2018 9:57

Instrument :
 BNA_E
 ClientSampleId :
 PB113432BSD

Tot Ion:152 Resp: 4491
 Ion Ratio Lower Upper
 152 100
 150 160.5 120.9 181.3
 115 68.1 46.6 69.8



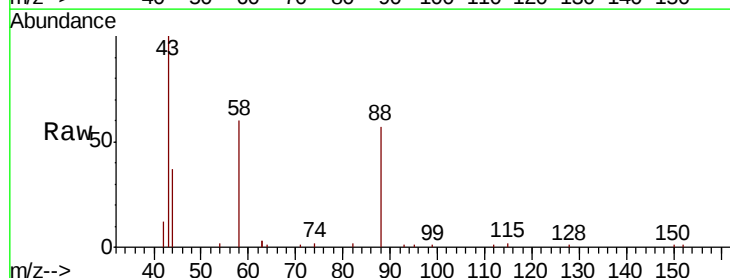
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



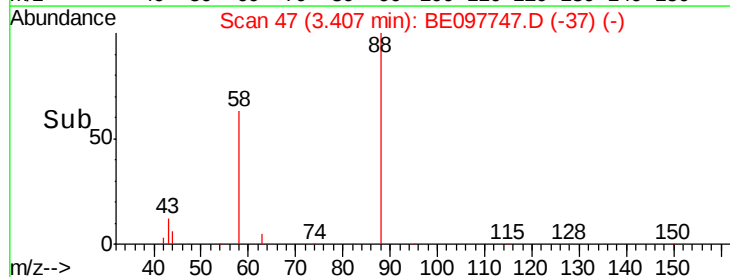
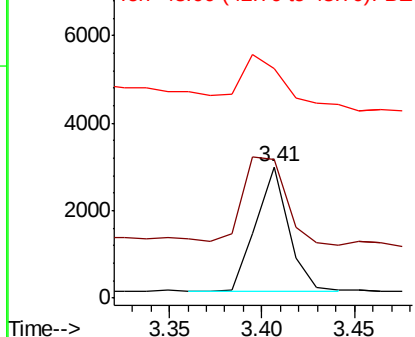
#2

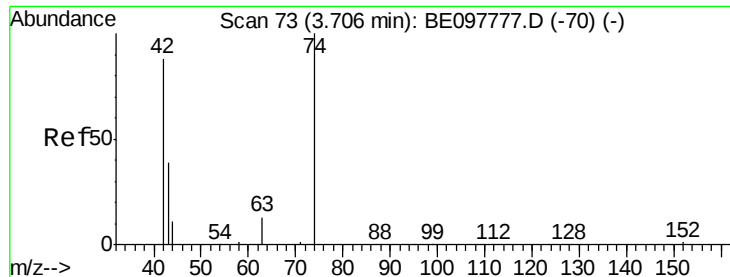
1,4-Dioxane
 Concen: 0.395 ng
 RT: 3.41 min Scan# 47
 Delta R.T. 0.01 min
 Lab File: BE097747.D
 Acq: 5 Oct 2018 9:57

Tgt Ion: 88 Resp: 3538
 Ion Ratio Lower Upper
 88 100
 58 90.0 70.8 106.2
 43 46.9 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: 0.388 ng

RT: 3.71 min Scan# 73

Delta R.T. 0.00 min

Lab File: BE097747.D

Acq: 5 Oct 2018 9:57

Instrument :

BNA_E

ClientSampleId :

PB113432BSD

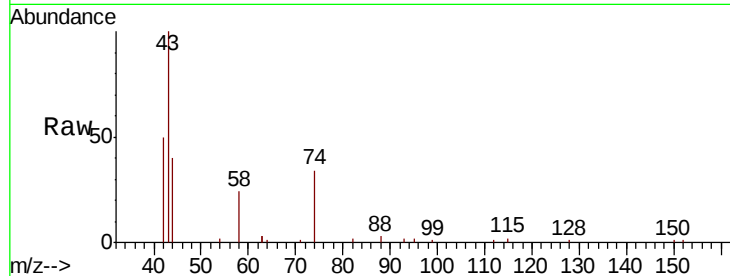
Tot Ion: 42 Resp: 3160

Ion Ratio Lower Upper

42 100

74 96.6 70.7 106.1

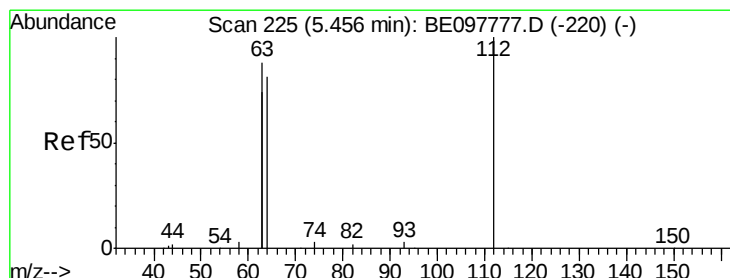
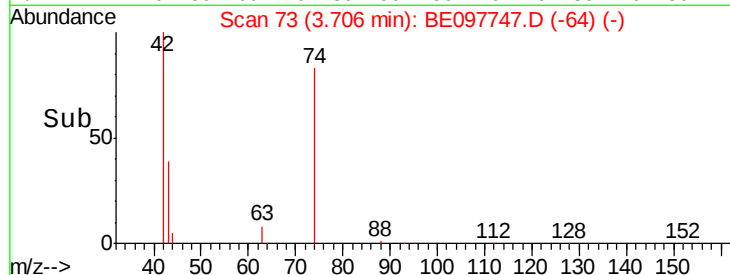
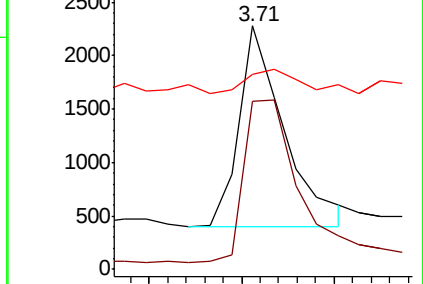
44 13.8 15.0 22.4#



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: 0.400 ng

RT: 5.47 min Scan# 226

Delta R.T. 0.00 min

Lab File: BE097747.D

Acq: 5 Oct 2018 9:57

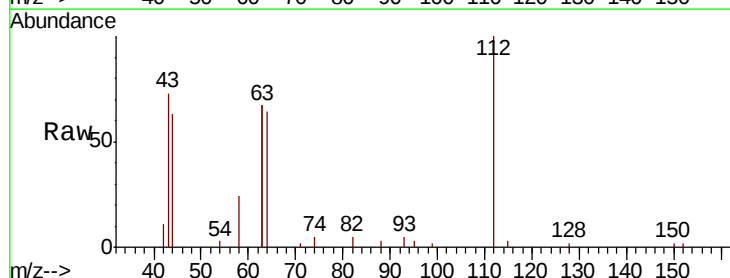
Tgt Ion: 112 Resp: 4246

Ion Ratio Lower Upper

112 100

64 68.8 56.6 84.8

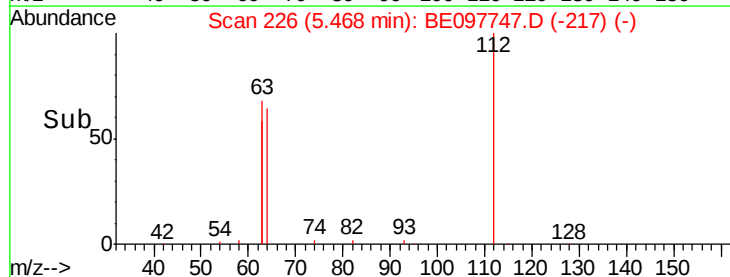
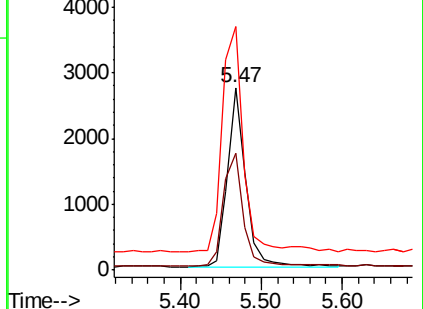
63 139.1 119.4 179.0

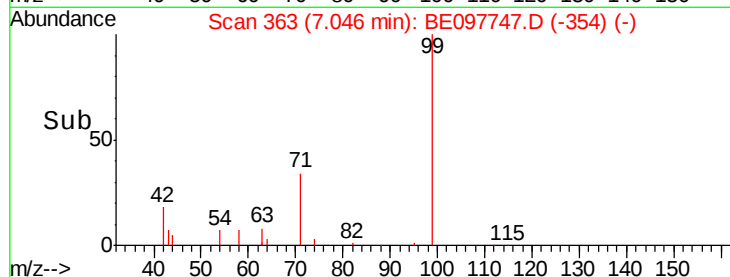
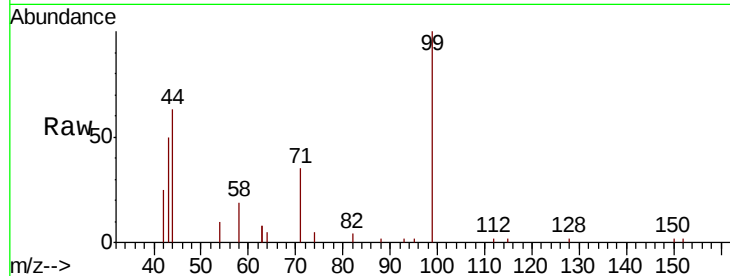
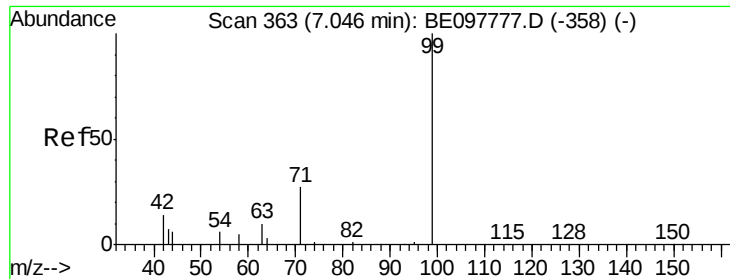


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.354 ng

RT: 7.05 min Scan# 363

Delta R.T. 0.00 min

Lab File: BE097747.D

Acq: 5 Oct 2018 9:57

Instrument :

BNA_E

ClientSampleId :

PB113432BSD

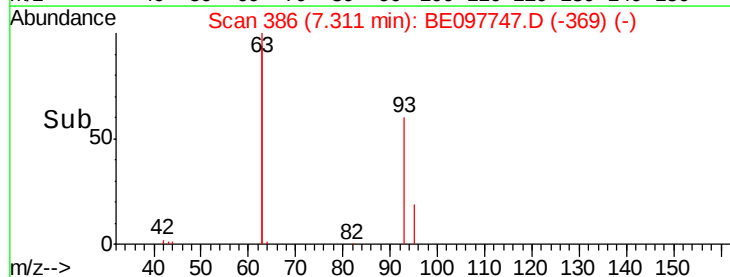
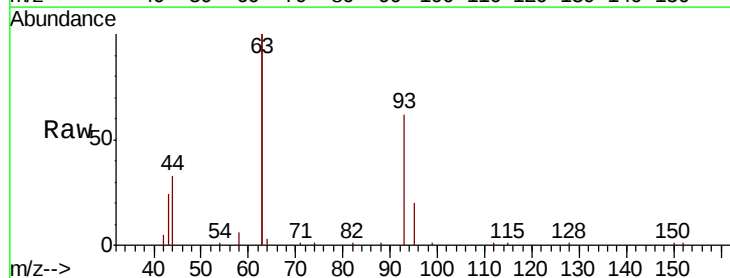
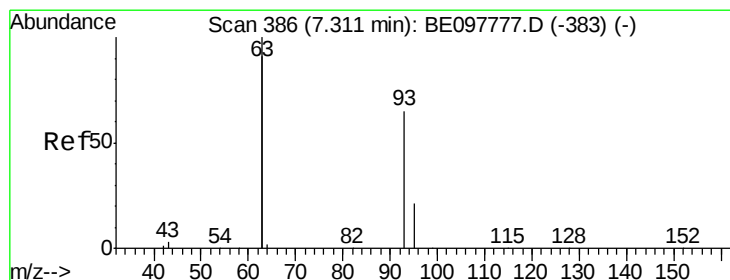
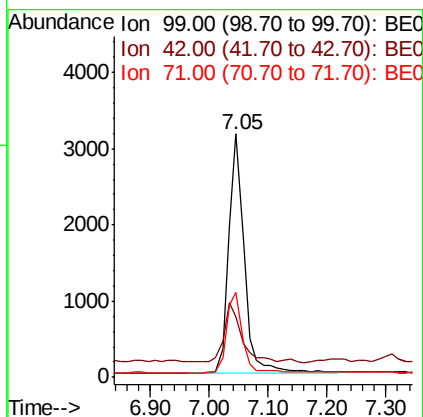
Tot Ion: 99 Resp: 5773

Ion Ratio Lower Upper

99 100

42 27.2 19.9 29.9

71 34.3 25.4 38.2



#6

bis(2-Chloroethyl)ether

Concen: 0.340 ng

RT: 7.31 min Scan# 386

Delta R.T. 0.00 min

Lab File: BE097747.D

Acq: 5 Oct 2018 9:57

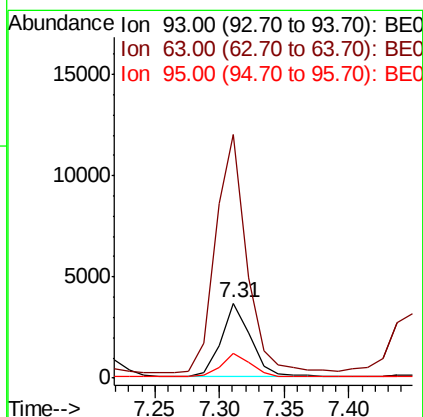
Tgt Ion: 93 Resp: 5730

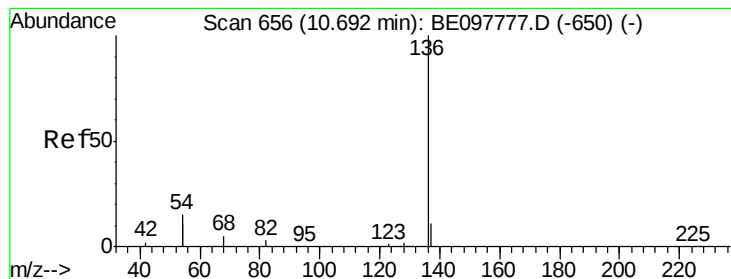
Ion Ratio Lower Upper

93 100

63 341.9 266.9 400.3

95 33.1 26.2 39.2





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.69 min Scan# 656

Delta R.T. 0.00 min

Lab File: BE097747.D

Acq: 5 Oct 2018 9:57

Instrument :

BNA_E

ClientSampleId :

PB113432BSD

Tot Ion:136 Resp: 16550

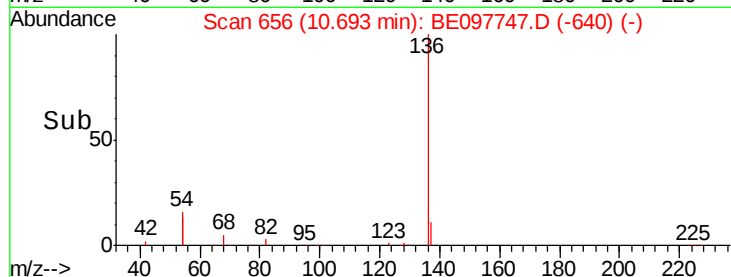
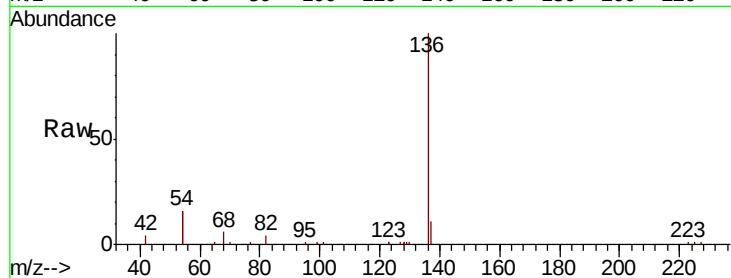
Ion Ratio Lower Upper

136 100

137 11.4 9.0 13.4

54 32.0 37.8 56.6#

68 5.9 6.4 9.6#

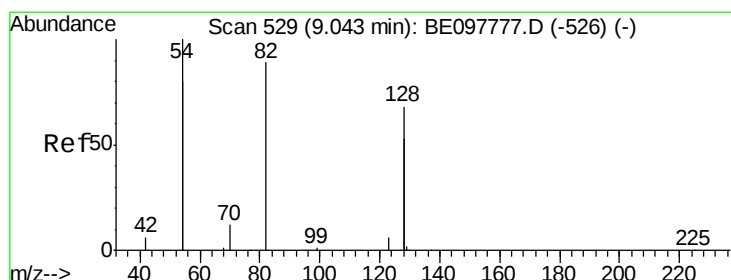
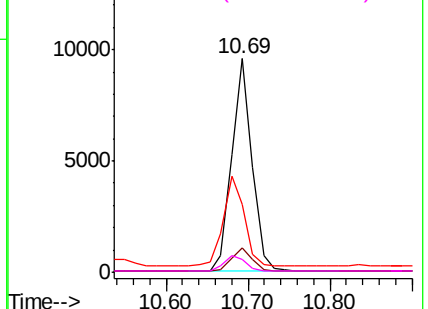


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.661 ng

RT: 9.04 min Scan# 529

Delta R.T. 0.00 min

Lab File: BE097747.D

Acq: 5 Oct 2018 9:57

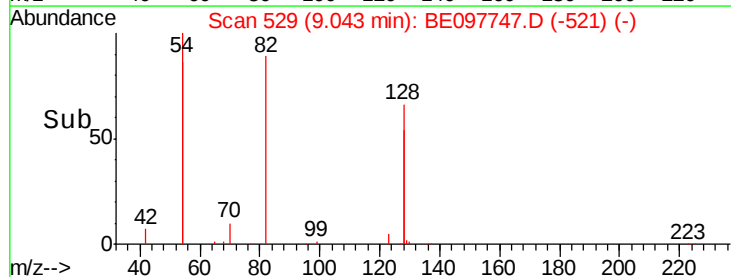
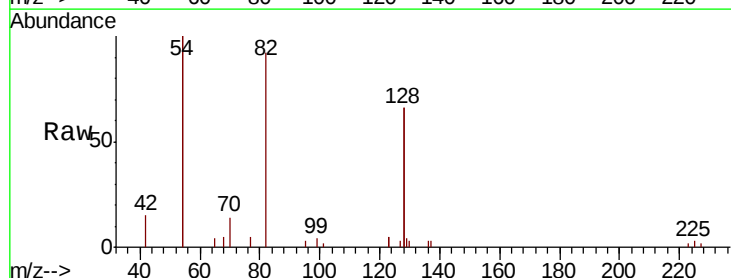
Tgt Ion: 82 Resp: 3554

Ion Ratio Lower Upper

82 100

128 142.3 97.0 145.4

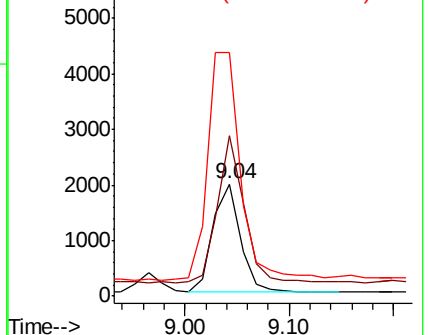
54 216.3 206.9 310.3

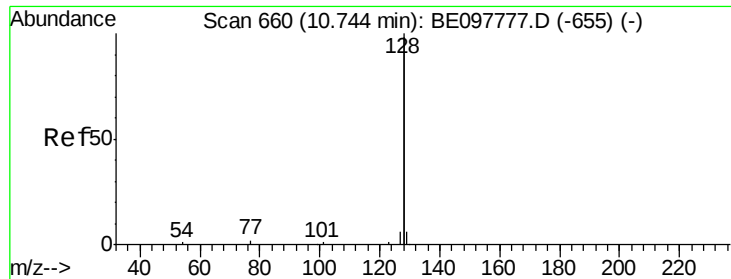


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.414 ng

RT: 10.74 min Scan# 660

Delta R.T. 0.00 min

Lab File: BE097747.D

Acq: 5 Oct 2018 9:57

Instrument :

BNA_E

ClientSampleId :

PB113432BSD

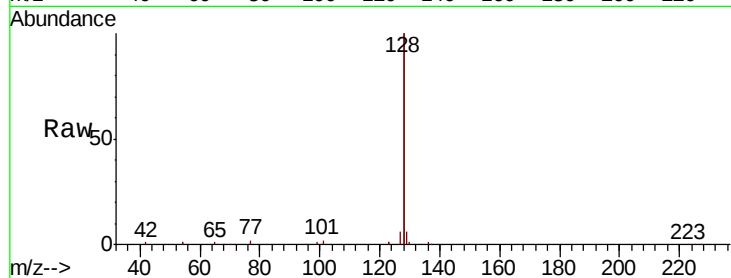
Tot Ion:128 Resp: 69080

Ion Ratio Lower Upper

128 100

129 3.1 2.2 3.2

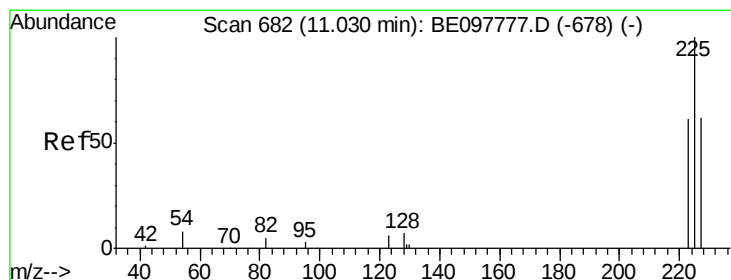
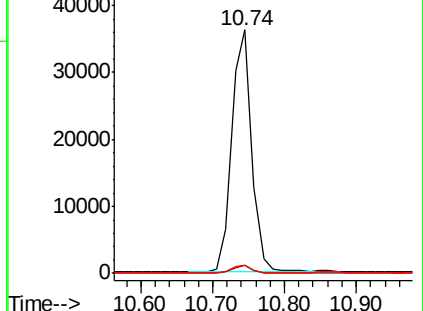
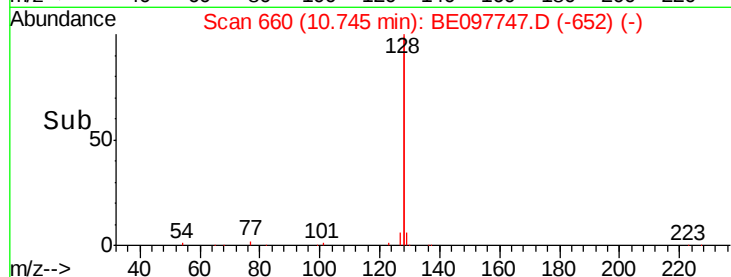
127 3.2 2.7 4.1



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.379 ng

RT: 11.03 min Scan# 682

Delta R.T. -0.01 min

Lab File: BE097747.D

Acq: 5 Oct 2018 9:57

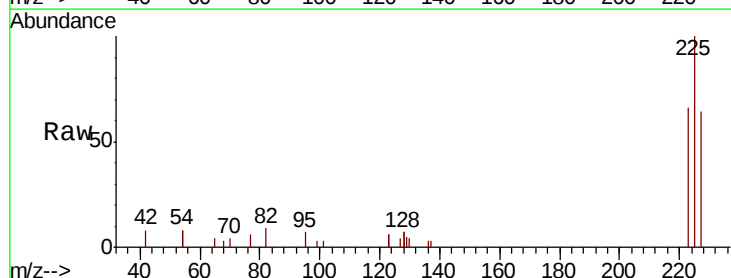
Tgt Ion:225 Resp: 3358

Ion Ratio Lower Upper

225 100

223 63.9 52.2 78.4

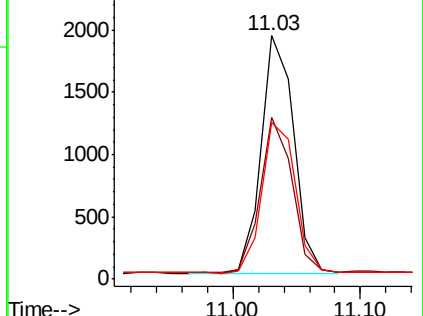
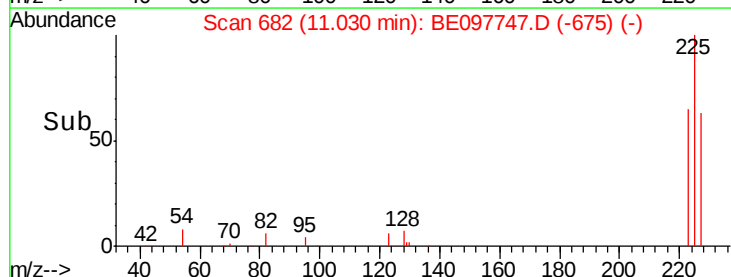
227 65.8 51.2 76.8

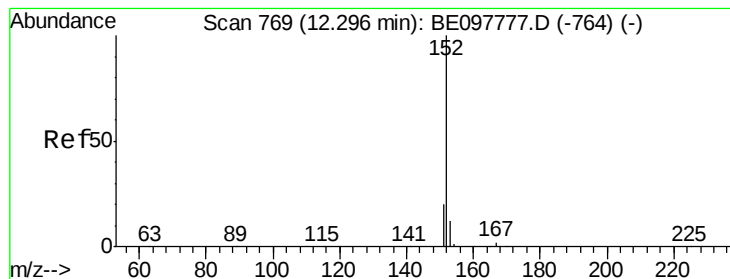


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.503 ng

RT: 12.30 min Scan# 769

Delta R.T. -0.00 min

Lab File: BE097747.D

Acq: 5 Oct 2018 9:57

Instrument :

BNA_E

ClientSampleId :

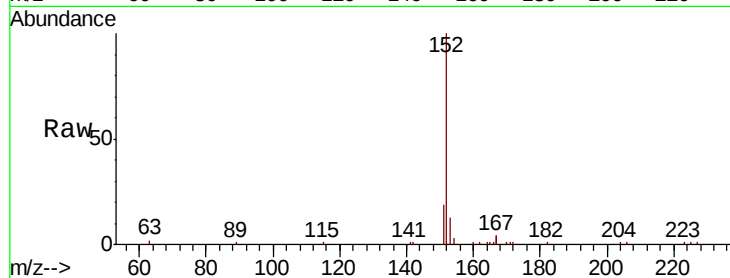
PB113432BSD

Tot Ion:152 Resp: 13239

Ion Ratio Lower Upper

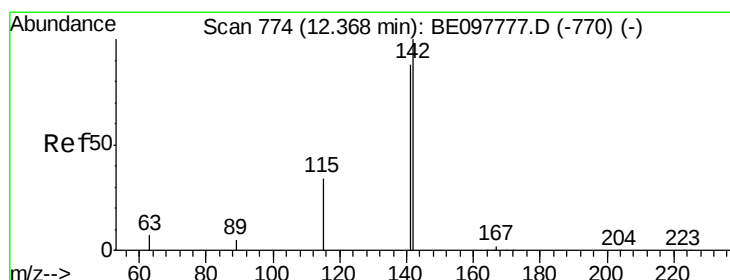
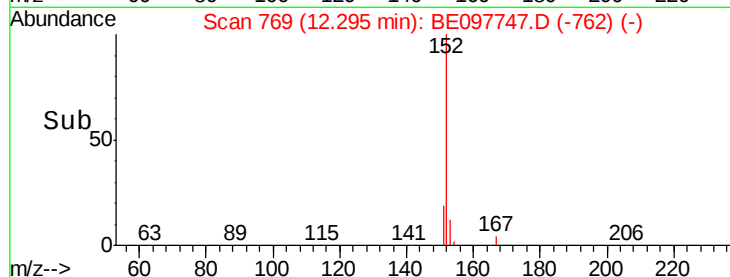
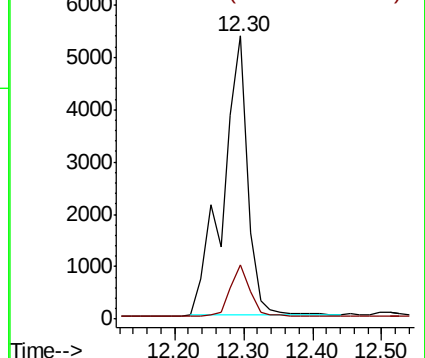
152 100

151 14.6 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: 0.404 ng

RT: 12.37 min Scan# 774

Delta R.T. -0.00 min

Lab File: BE097747.D

Acq: 5 Oct 2018 9:57

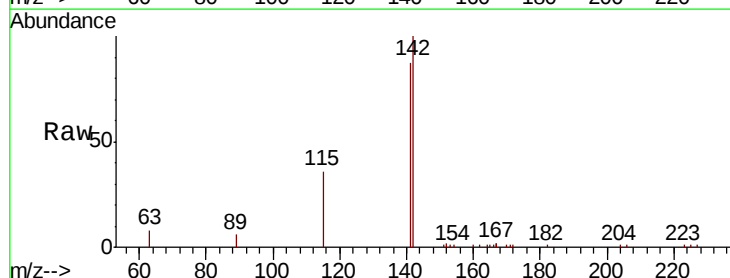
Tgt Ion:142 Resp: 10795

Ion Ratio Lower Upper

142 100

141 87.3 69.4 104.2

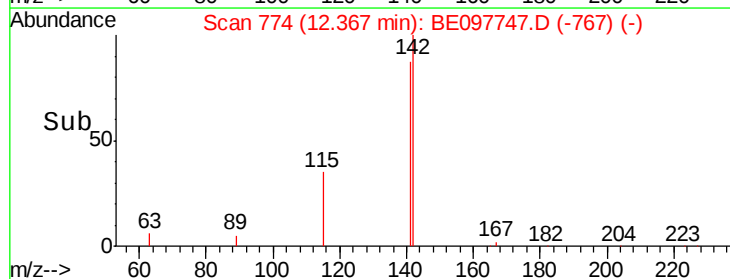
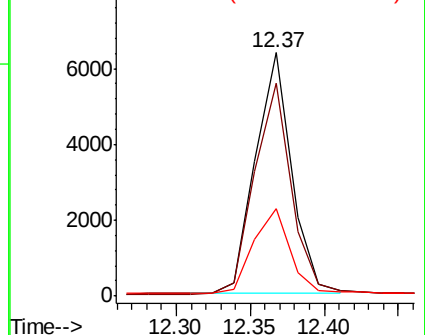
115 36.1 28.0 42.0

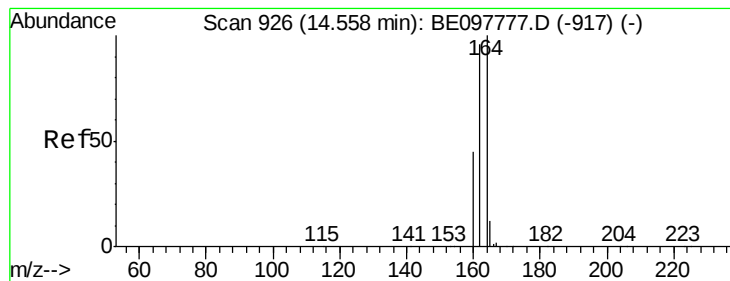


Abundance Ion 142.00 (141.70 to 142.70): E

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: BE097747.D

Acq: 5 Oct 2018 9:57

Instrument :

BNA_E

ClientSampleId :

PB113432BSD

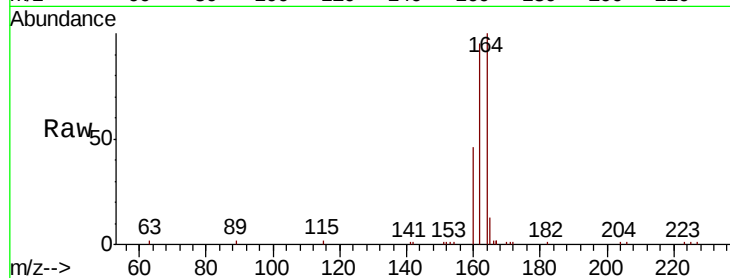
Tot Ion:164 Resp: 7890

Ion Ratio Lower Upper

164 100

162 94.6 78.6 117.8

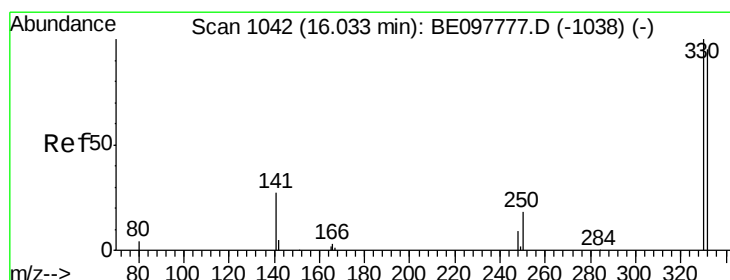
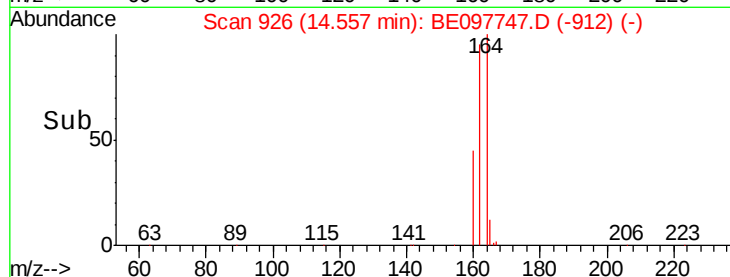
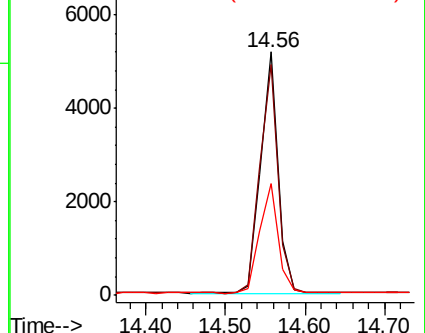
160 46.0 37.8 56.6



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: 0.373 ng

RT: 16.03 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BE097747.D

Acq: 5 Oct 2018 9:57

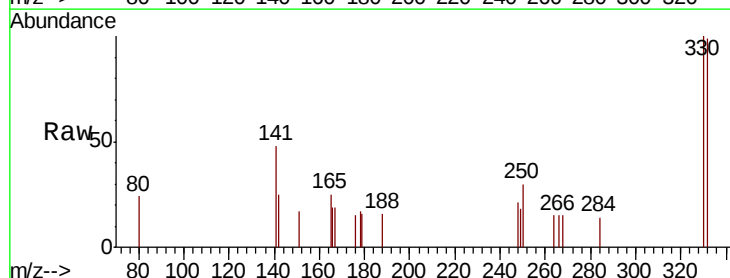
Tgt Ion:330 Resp: 534

Ion Ratio Lower Upper

330 100

332 100.0 83.5 125.3

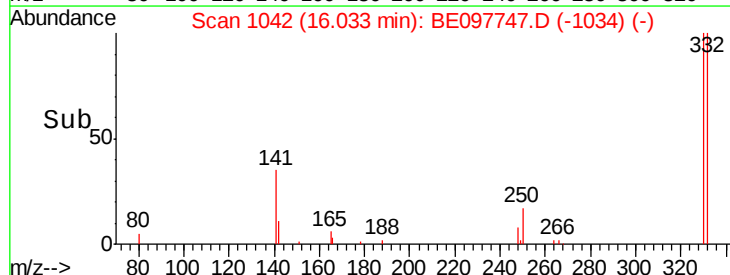
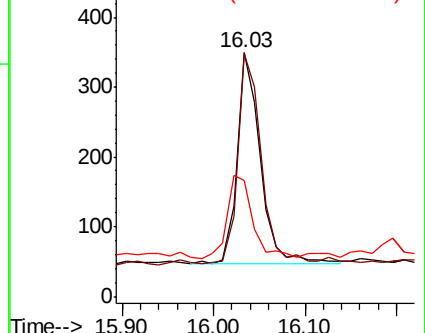
141 42.9 34.9 52.3

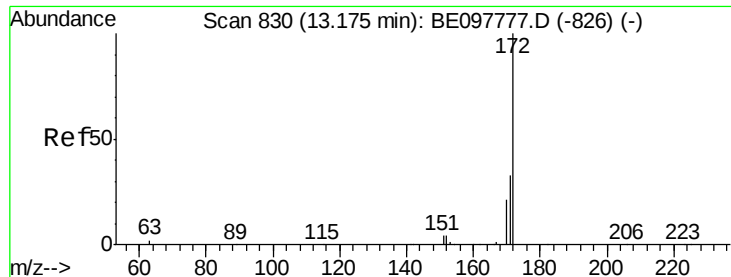


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

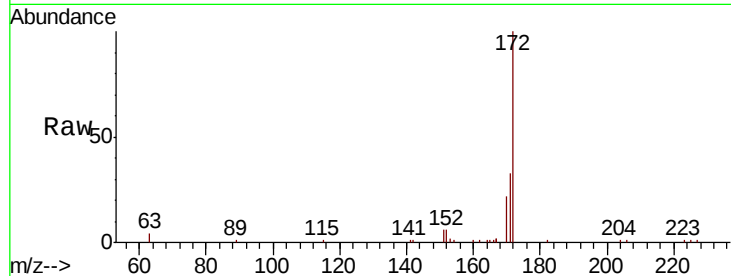




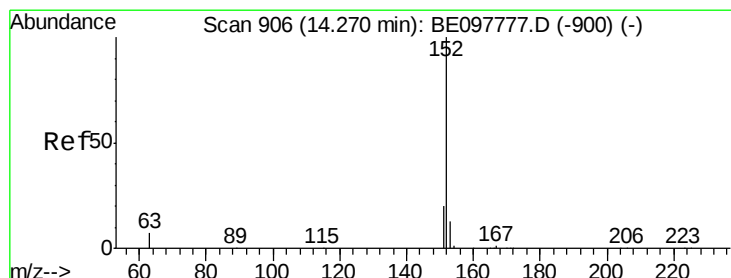
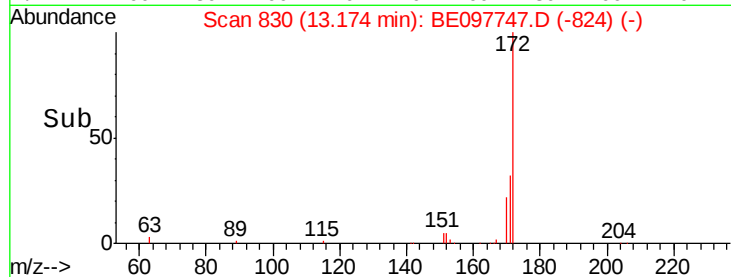
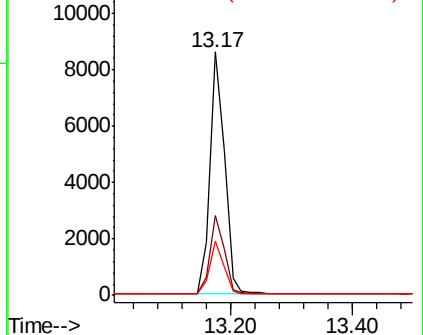
#15
2-Fluorobiphenyl
Concen: 0.408 ng
RT: 13.17 min Scan# 830
Delta R.T. -0.02 min
Lab File: BE097747.D
Acq: 5 Oct 2018 9:57

Instrument :
BNA_E
ClientSampleId :
PB113432BSD

Tot Ion:172 Resp: 14175
Ion Ratio Lower Upper
172 100
171 32.8 25.2 37.8
170 22.4 16.2 24.2

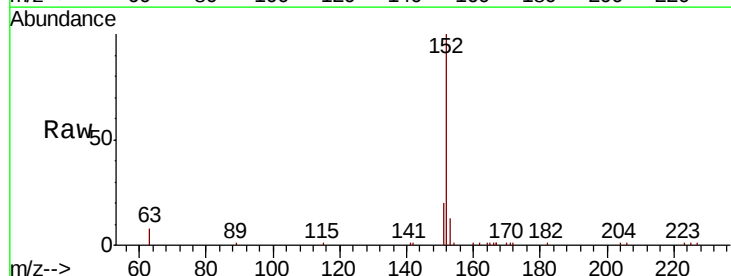


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

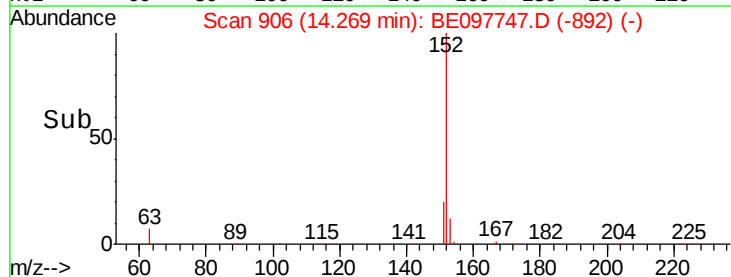
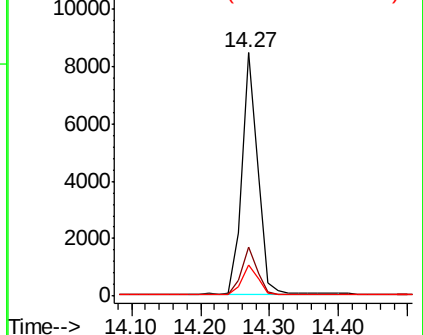


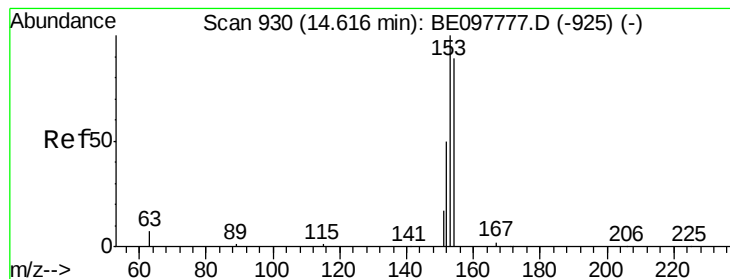
#16
Acenaphthylene
Concen: 0.383 ng
RT: 14.27 min Scan# 906
Delta R.T. -0.00 min
Lab File: BE097747.D
Acq: 5 Oct 2018 9:57

Tgt Ion:152 Resp: 13391
Ion Ratio Lower Upper
152 100
151 20.3 15.3 22.9
153 13.0 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: 0.377 ng

RT: 14.61 min Scan# 930

Delta R.T. -0.00 min

Lab File: BE097747.D

Acq: 5 Oct 2018 9:57

Instrument :

BNA_E

ClientSampleId :

PB113432BSD

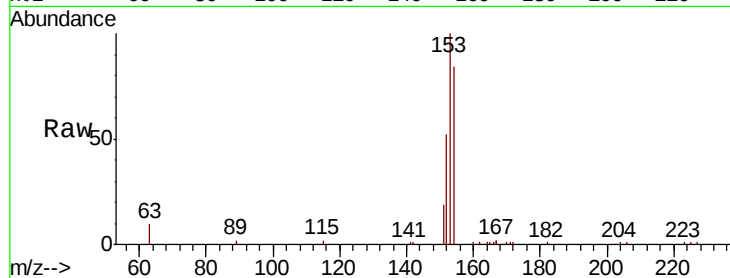
Tot Ion:154 Resp: 8428

Ion Ratio Lower Upper

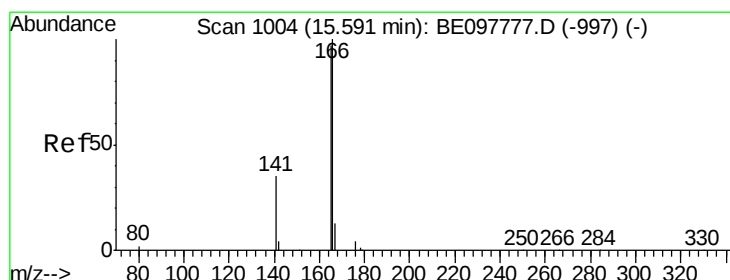
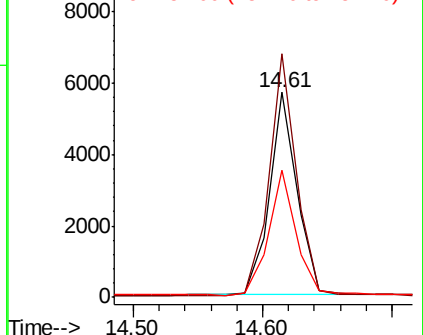
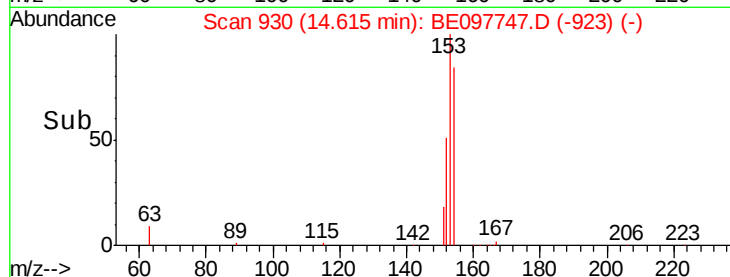
154 100

153 116.4 93.3 139.9

152 60.5 48.9 73.3



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



#18

Fluorene

Concen: 0.370 ng

RT: 15.59 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BE097747.D

Acq: 5 Oct 2018 9:57

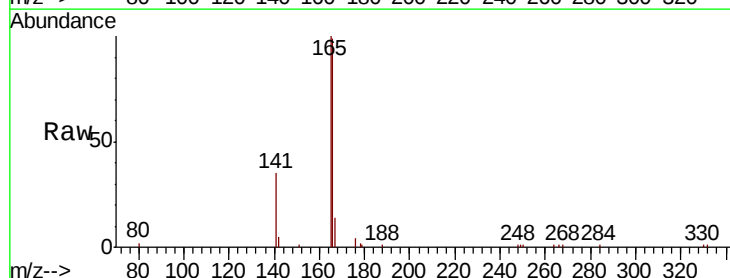
Tgt Ion:166 Resp: 11007

Ion Ratio Lower Upper

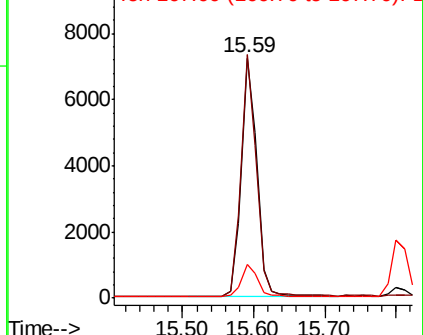
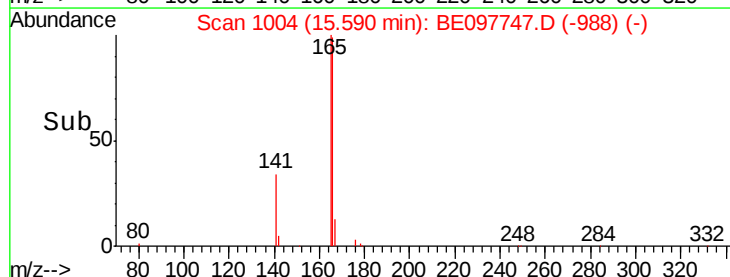
166 100

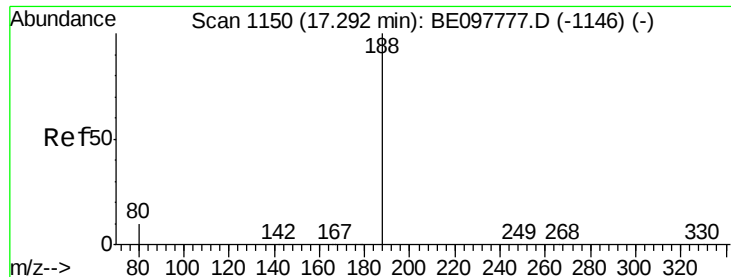
165 99.7 79.0 118.4

167 13.6 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: 17.29 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BE097747.D

Acq: 5 Oct 2018 9:57

Instrument :

BNA_E

ClientSampleId :

PB113432BSD

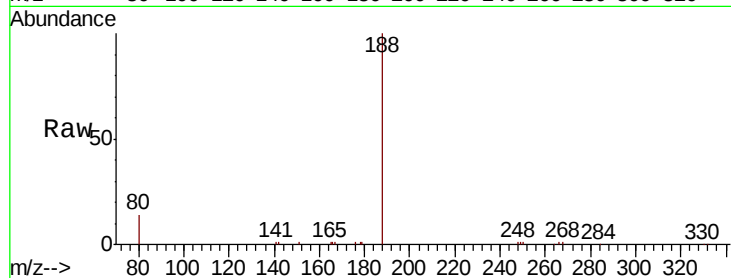
Tot Ion:188 Resp: 17451

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

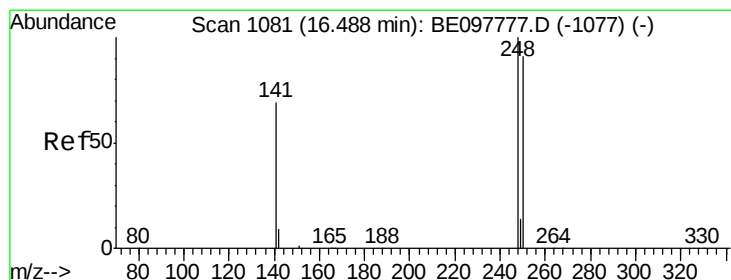
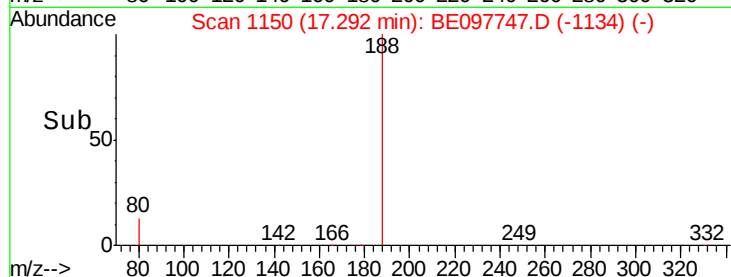
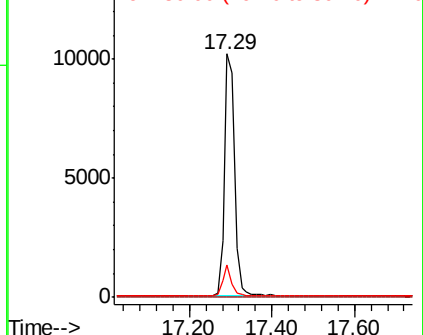
80 13.5 6.6 9.8#



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: 0.400 ng

RT: 16.50 min Scan# 1082

Delta R.T. 0.00 min

Lab File: BE097747.D

Acq: 5 Oct 2018 9:57

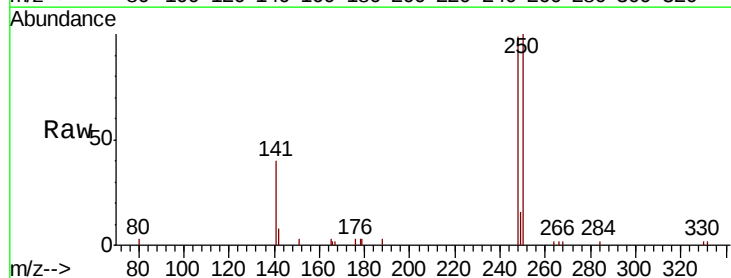
Tgt Ion:248 Resp: 3663

Ion Ratio Lower Upper

248 100

250 101.2 76.1 114.1

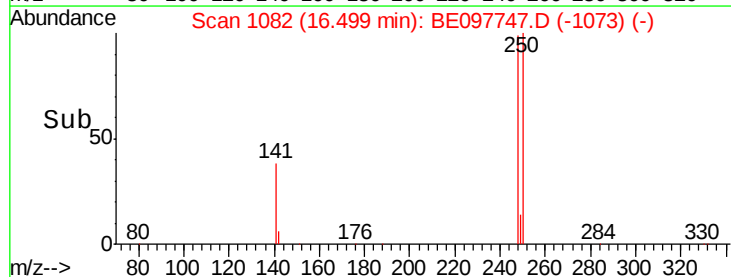
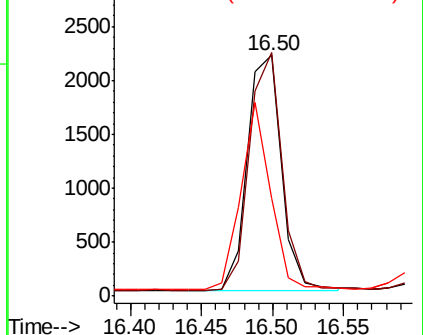
141 40.4 42.2 63.4#

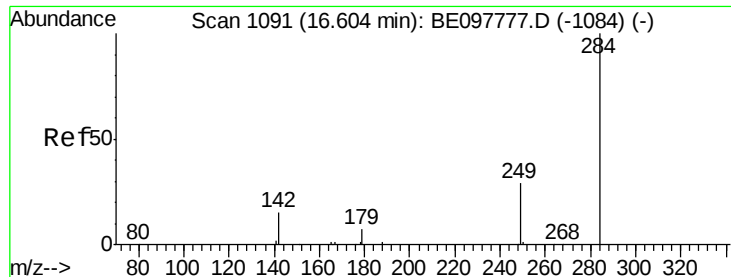


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.386 ng

RT: 16.60 min Scan# 1091

Delta R.T. 0.00 min

Lab File: BE097747.D

Acq: 5 Oct 2018 9:57

Instrument :

BNA_E

ClientSampleId :

PB113432BSD

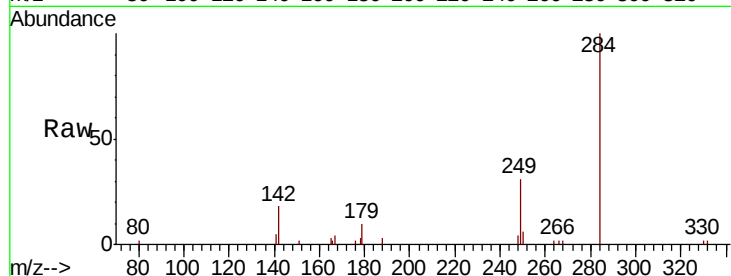
Tot Ion:284 Resp: 3978

Ion Ratio Lower Upper

284 100

142 31.6 24.9 37.3

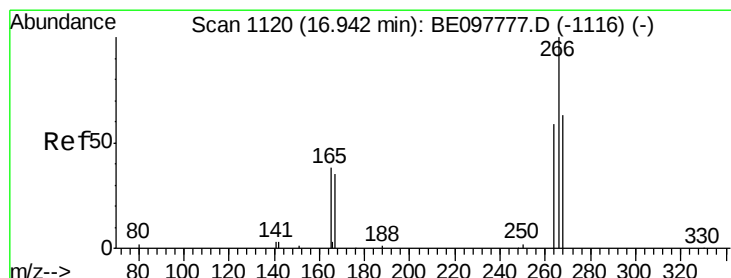
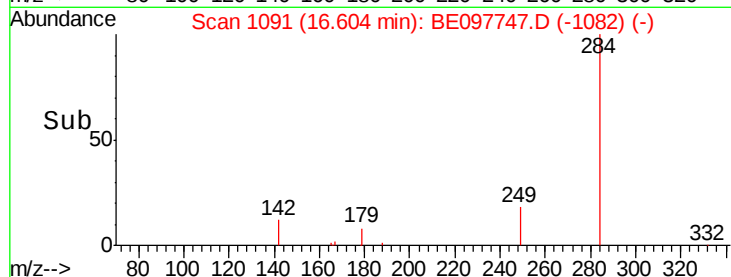
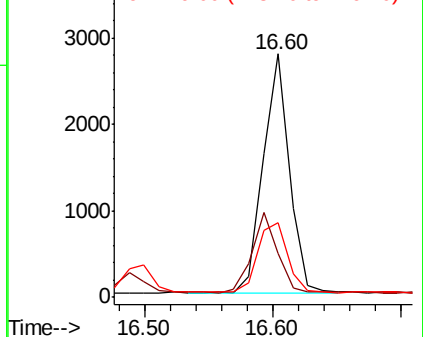
249 33.1 25.8 38.8



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: 0.784 ng

RT: 16.94 min Scan# 1120

Delta R.T. -0.01 min

Lab File: BE097747.D

Acq: 5 Oct 2018 9:57

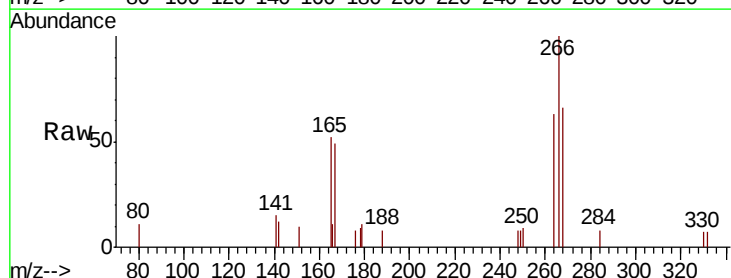
Tgt Ion:266 Resp: 1266

Ion Ratio Lower Upper

266 100

264 63.2 46.8 70.2

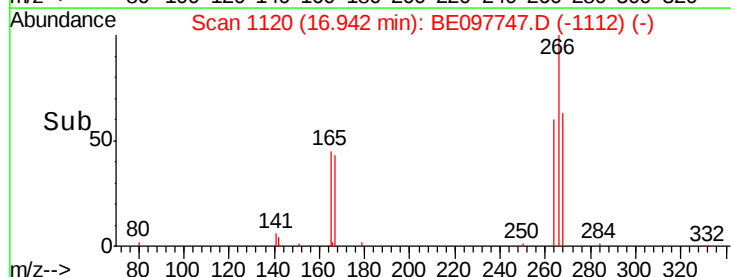
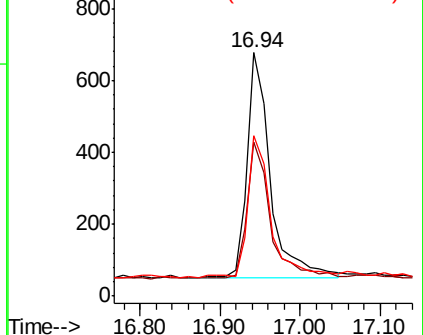
268 65.7 53.0 79.6

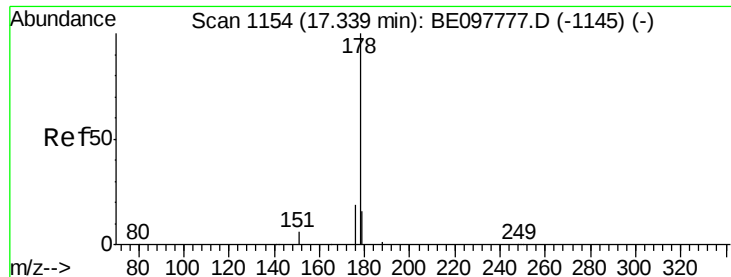


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.418 ng

RT: 17.34 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BE097747.D

Acq: 5 Oct 2018 9:57

Instrument :

BNA_E

ClientSampleId :

PB113432BSD

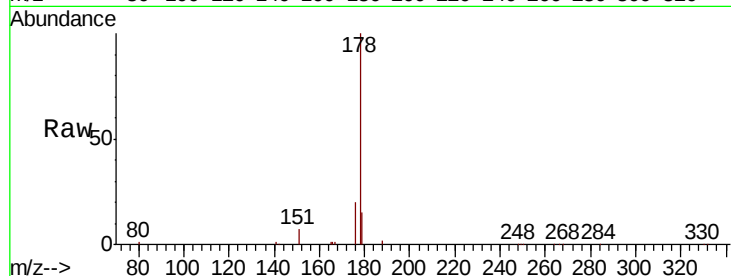
Tot Ion:178 Resp: 18792

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

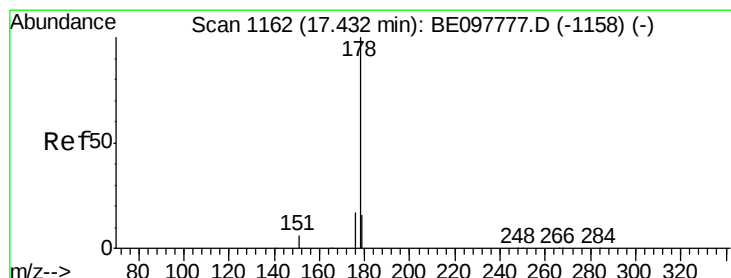
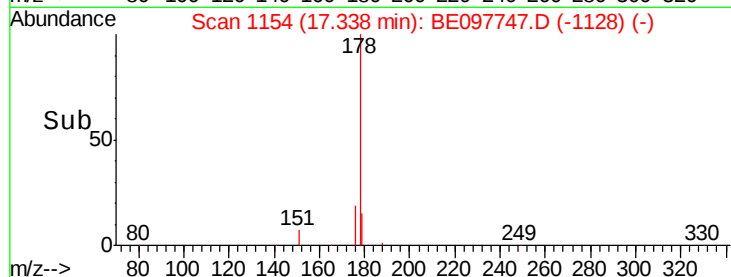
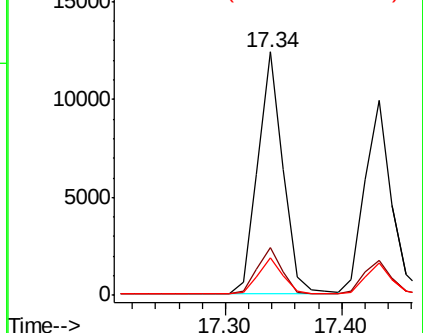
179 14.7 12.2 18.4



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: 0.399 ng

RT: 17.43 min Scan# 1162

Delta R.T. 0.00 min

Lab File: BE097747.D

Acq: 5 Oct 2018 9:57

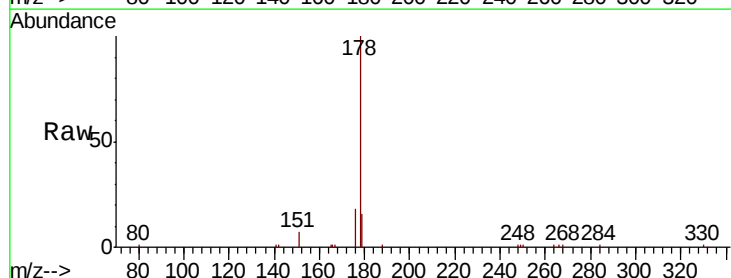
Tgt Ion:178 Resp: 15482

Ion Ratio Lower Upper

178 100

176 18.2 15.1 22.7

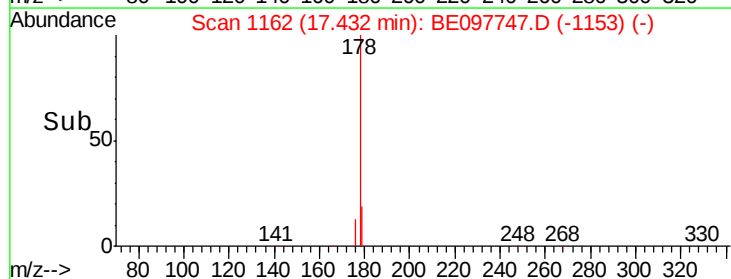
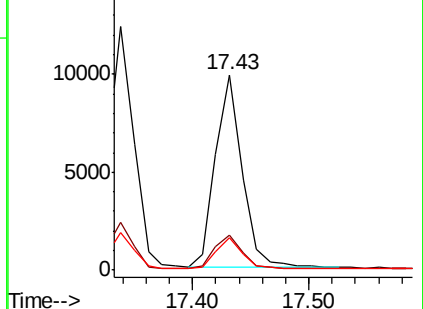
179 15.6 12.2 18.2

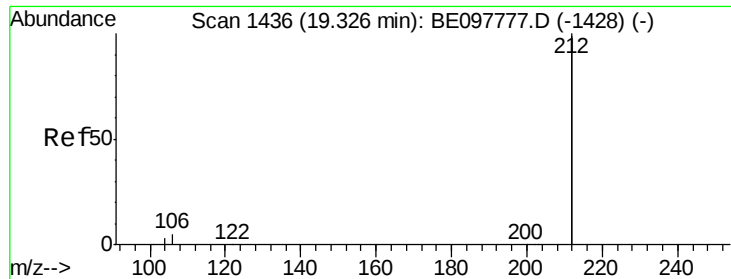


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

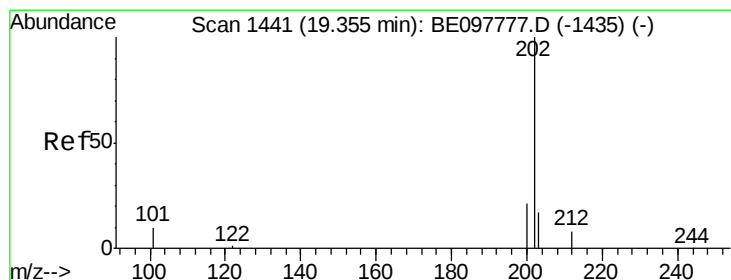
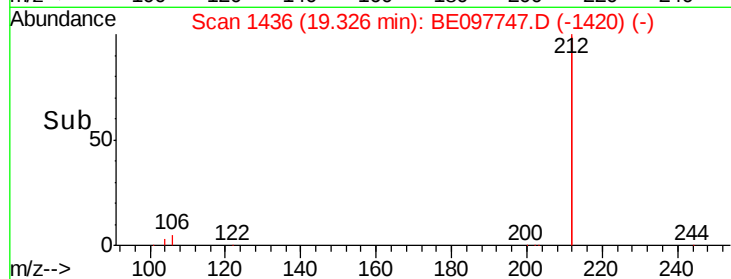
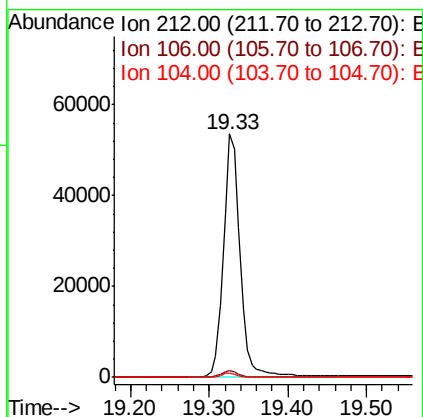
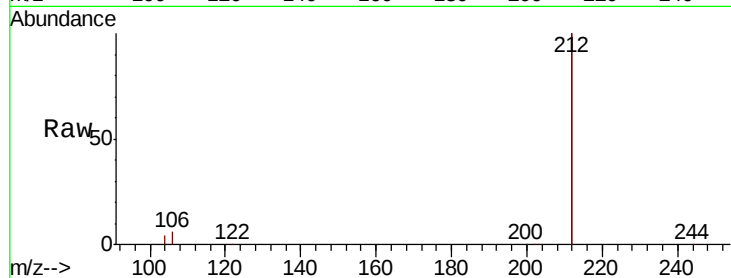




#25
 Fluoranthene-d10
 Concen: 0.350 ng
 RT: 19.33 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: BE097747.D
 Acq: 5 Oct 2018 9:57

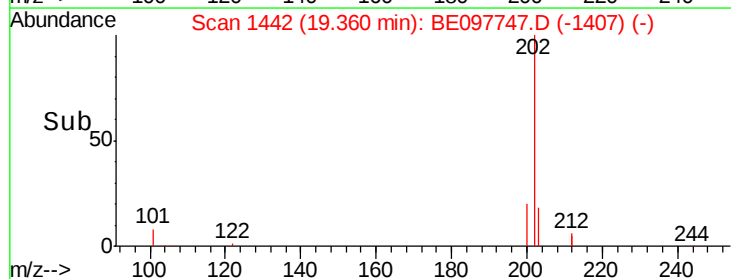
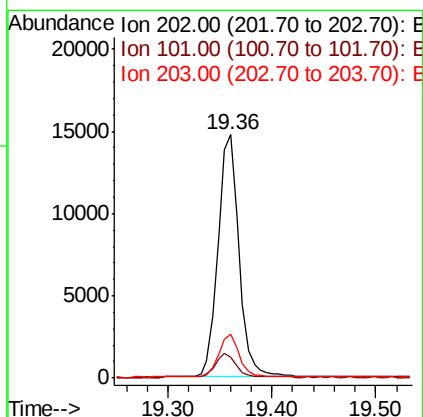
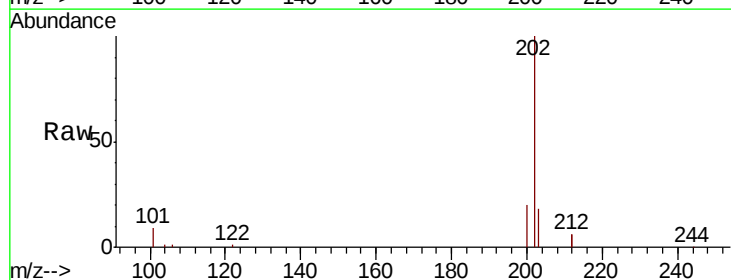
Instrument :
 BNA_E
 ClientSampleId :
 PB113432BSD

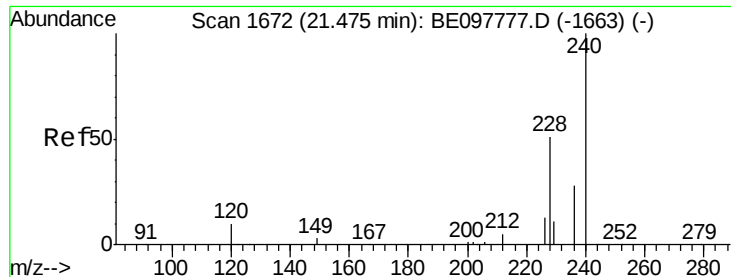
Tot Ion:212 Resp: 77380
 Ion Ratio Lower Upper
 212 100
 106 2.7 2.2 3.2
 104 1.6 1.2 1.8



#26
 Fluoranthene
 Concen: 0.362 ng
 RT: 19.36 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: BE097747.D
 Acq: 5 Oct 2018 9:57

Tgt Ion:202 Resp: 20718
 Ion Ratio Lower Upper
 202 100
 101 10.0 7.8 11.8
 203 17.4 13.8 20.6

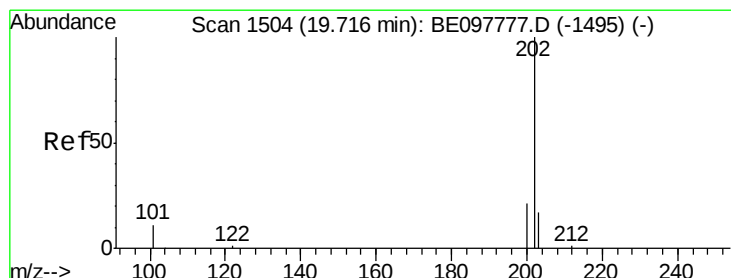
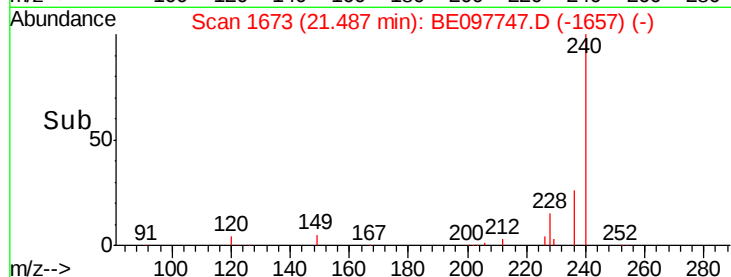
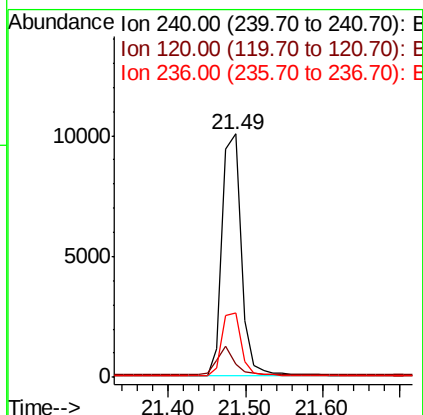
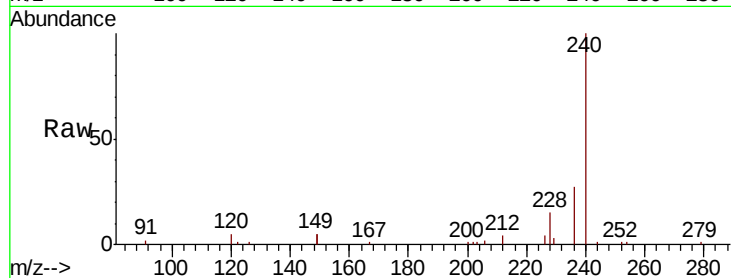




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.49 min Scan# 1673
Delta R.T. -0.00 min
Lab File: BE097747.D
Acq: 5 Oct 2018 9:57

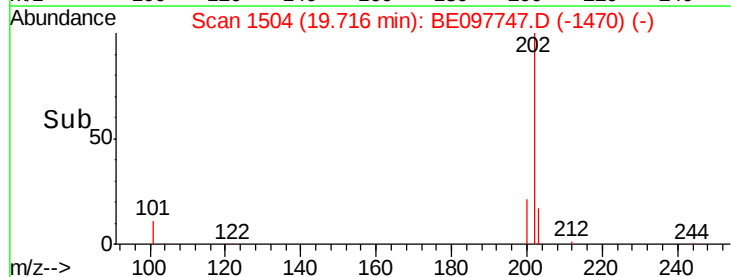
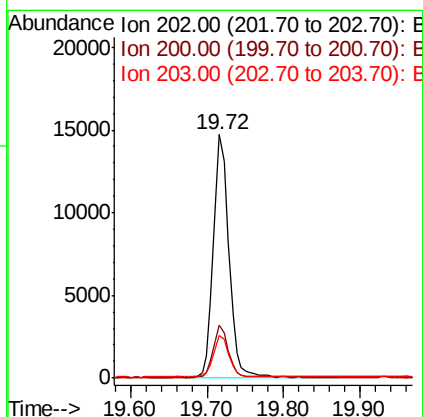
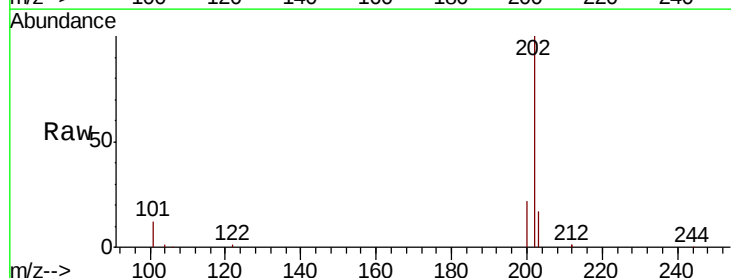
Instrument :
BNA_E
ClientSampleId :
PB113432BSD

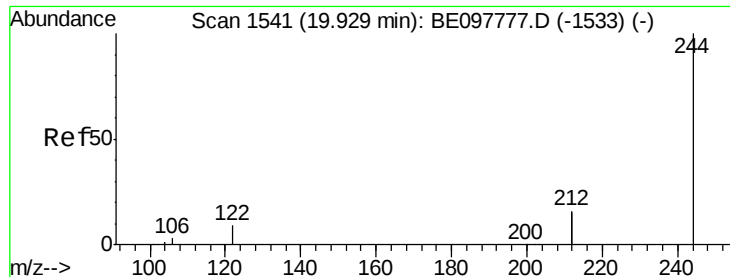
Tot Ion:240 Resp: 17557
Ion Ratio Lower Upper
240 100
120 5.3 4.7 7.1
236 26.6 20.8 31.2



#28
Pyrene
Concen: 0.465 ng
RT: 19.72 min Scan# 1504
Delta R.T. -0.01 min
Lab File: BE097747.D
Acq: 5 Oct 2018 9:57

Tgt Ion:202 Resp: 20729
Ion Ratio Lower Upper
202 100
200 20.7 16.7 25.1
203 17.5 13.9 20.9





#29

Terphenyl-d14

Concen: 0.377 ng

RT: 19.93 min Scan# 1541

Delta R.T. -0.01 min

Lab File: BE097747.D

Acq: 5 Oct 2018 9:57

Instrument :

BNA_E

ClientSampleId :

PB113432BSD

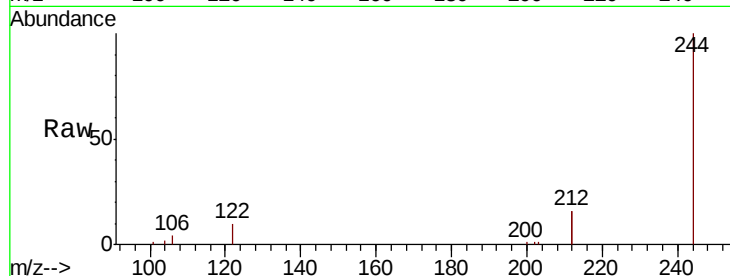
Tot Ion:244 Resp: 13516

Ion Ratio Lower Upper

244 100

212 32.7 25.8 38.8

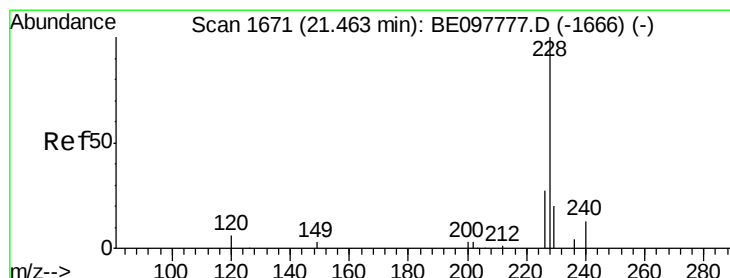
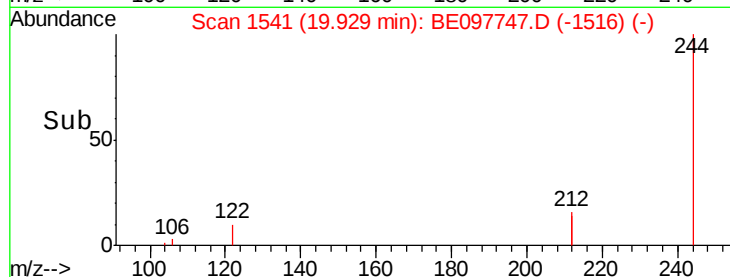
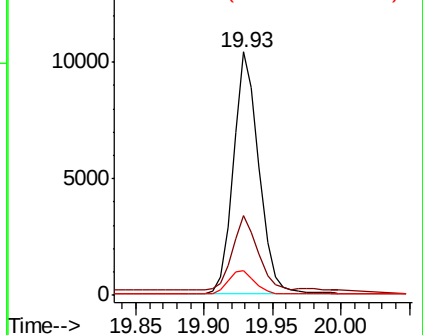
122 10.3 8.7 13.1



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: 0.414 ng

RT: 21.46 min Scan# 1671

Delta R.T. -0.01 min

Lab File: BE097747.D

Acq: 5 Oct 2018 9:57

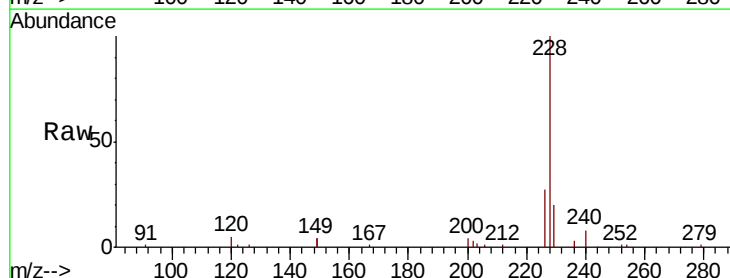
Tgt Ion:228 Resp: 19557

Ion Ratio Lower Upper

228 100

226 27.5 20.7 31.1

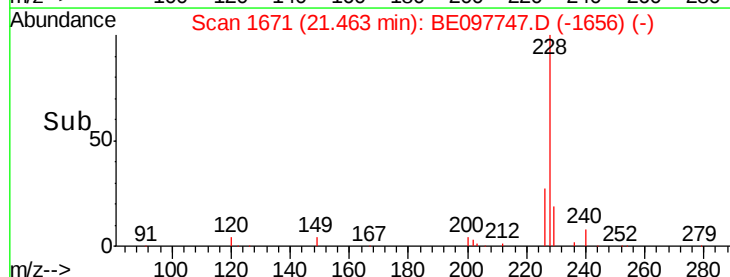
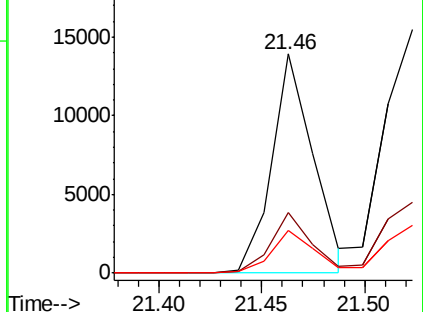
229 19.5 15.7 23.5

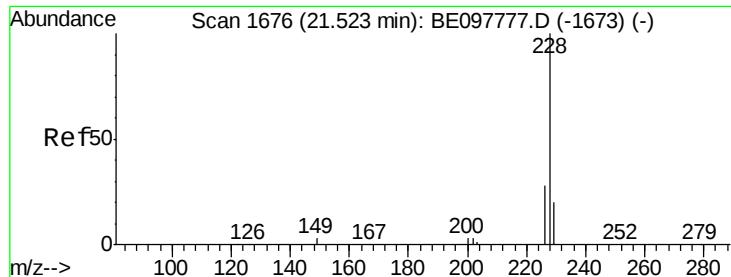


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.451 ng

RT: 21.52 min Scan# 1676

Delta R.T. -0.00 min

Lab File: BE097747.D

Acq: 5 Oct 2018 9:57

Instrument :

BNA_E

ClientSampleId :

PB113432BSD

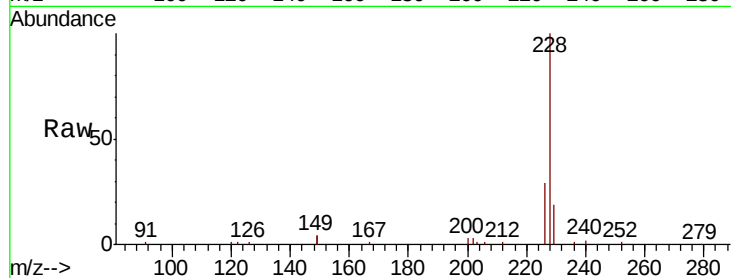
Tot Ion:228 Resp: 23775

Ion Ratio Lower Upper

228 100

226 29.0 24.3 36.5

229 19.5 16.0 24.0

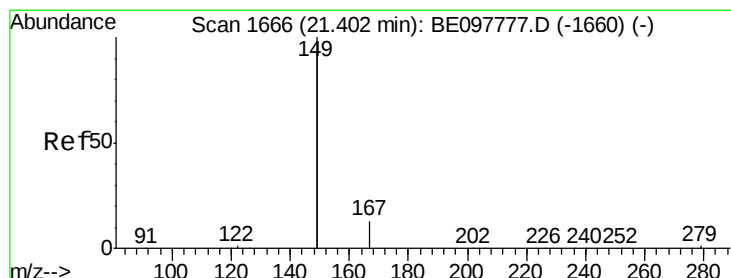
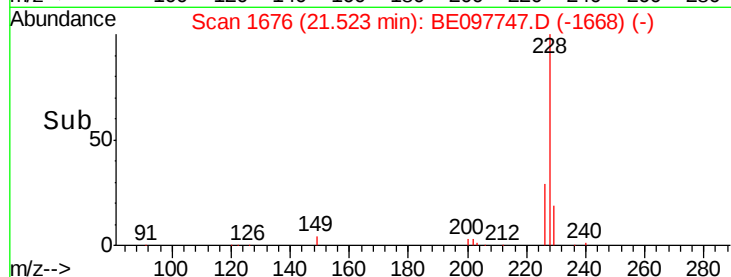
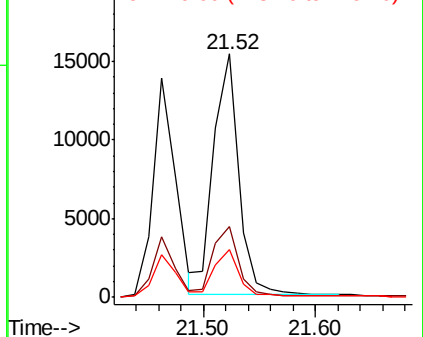


Abundance

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: 0.431 ng

RT: 21.41 min Scan# 1667

Delta R.T. 0.00 min

Lab File: BE097747.D

Acq: 5 Oct 2018 9:57

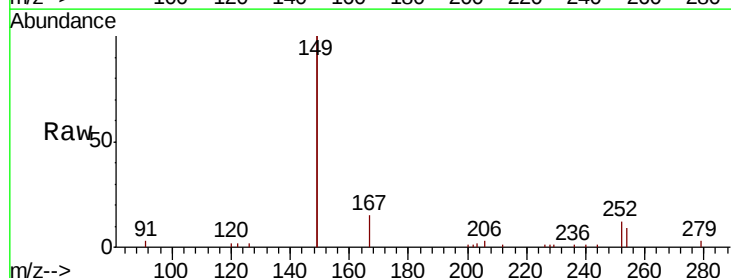
Tgt Ion:149 Resp: 14891

Ion Ratio Lower Upper

149 100

167 6.5 5.5 8.3

279 1.2 0.9 1.3

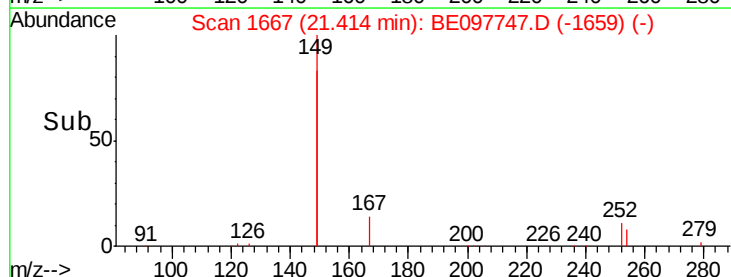
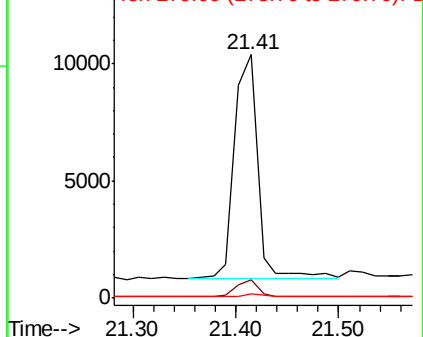


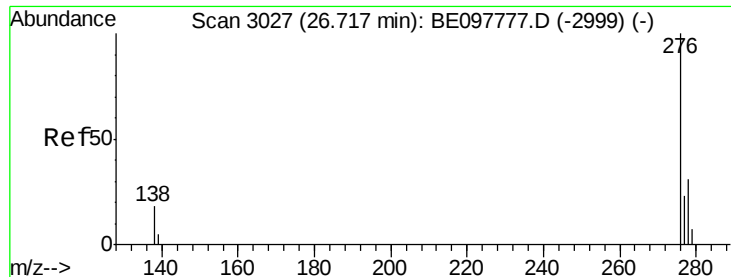
Abundance

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

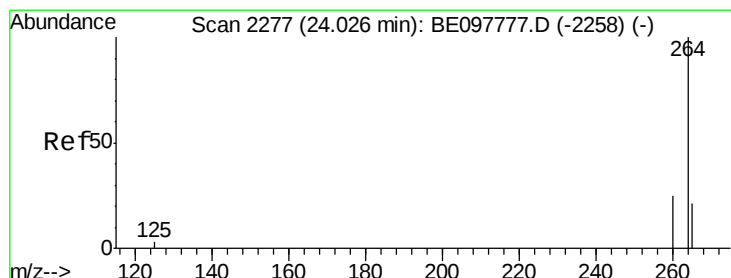
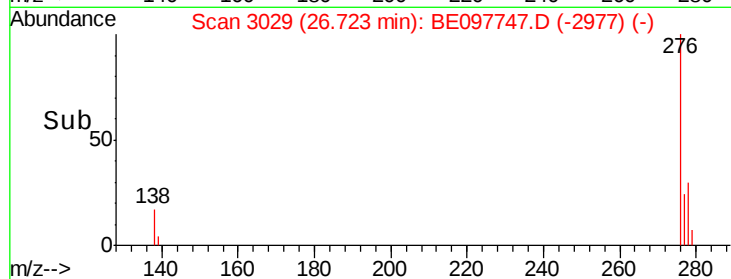
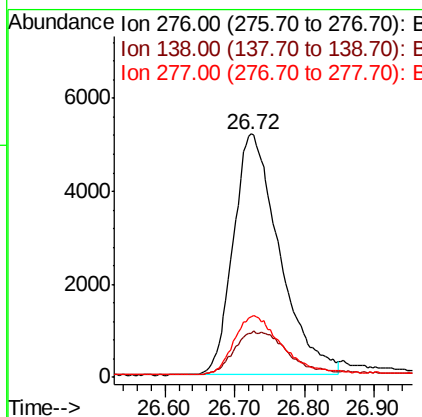
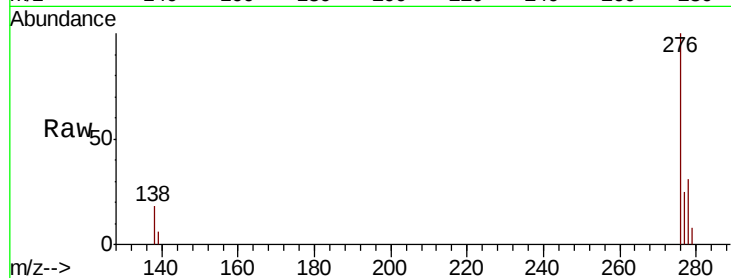




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.522 ng
 RT: 26.72 min Scan# 3029
 Delta R.T. -0.01 min
 Lab File: BE097747.D
 Acq: 5 Oct 2018 9:57

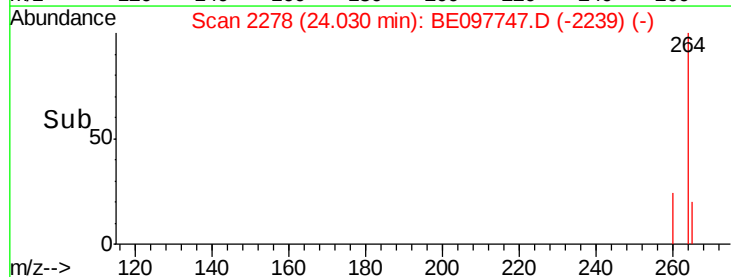
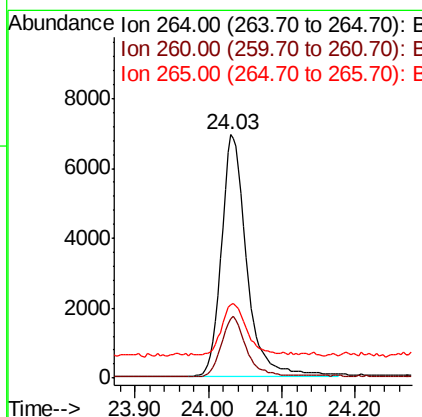
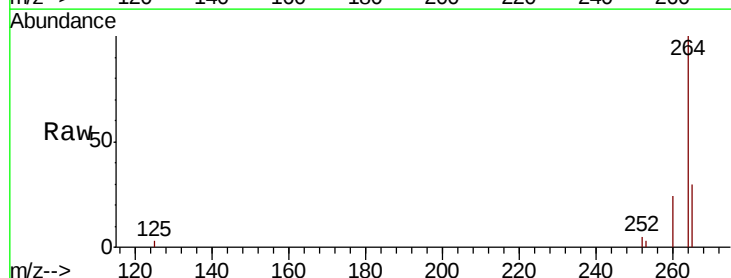
Instrument :
 BNA_E
 ClientSampleId :
 PB113432BSD

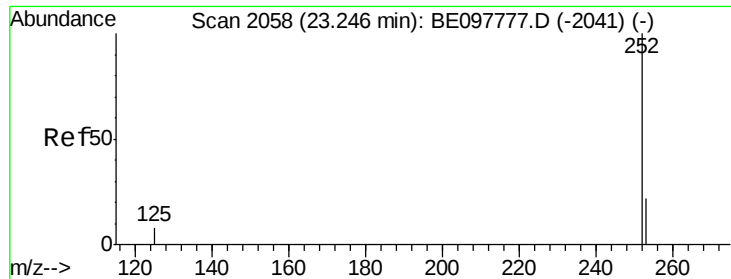
Tot Ion:276 Resp: 23924
 Ion Ratio Lower Upper
 276 100
 138 9.3 15.0 22.6#
 277 25.6 19.2 28.8



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.03 min Scan# 2278
 Delta R.T. -0.01 min
 Lab File: BE097747.D
 Acq: 5 Oct 2018 9:57

Tgt Ion:264 Resp: 16784
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.1 28.7
 265 29.9 21.9 32.9





#35

Benzo(b)fluoranthene

Concen: 0.438 ng

RT: 23.25 min Scan# 2060

Delta R.T. -0.01 min

Lab File: BE097747.D

Acq: 5 Oct 2018 9:57

Instrument :

BNA_E

ClientSampleId :

PB113432BSD

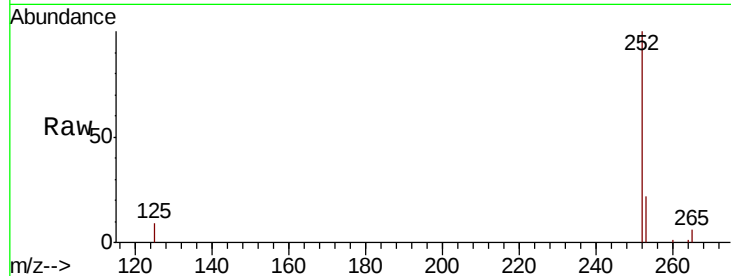
Tot Ion:252 Resp: 20161

Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

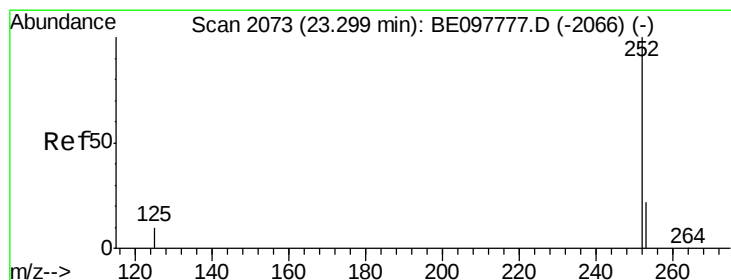
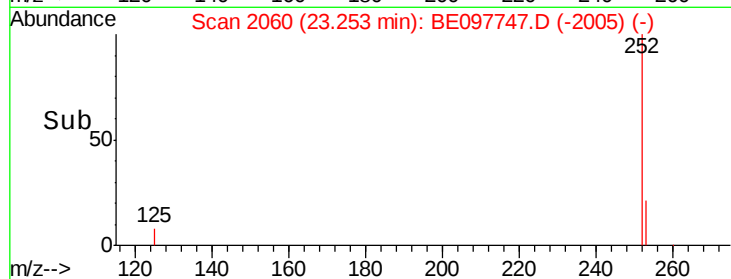
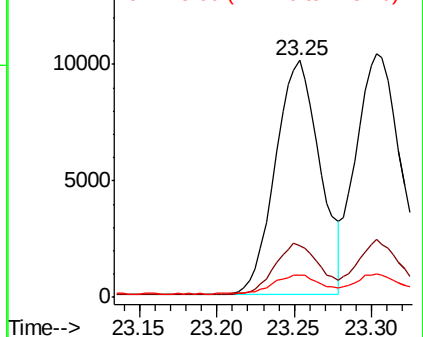
125 9.4 7.8 11.8



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: 0.432 ng

RT: 23.30 min Scan# 2074

Delta R.T. -0.01 min

Lab File: BE097747.D

Acq: 5 Oct 2018 9:57

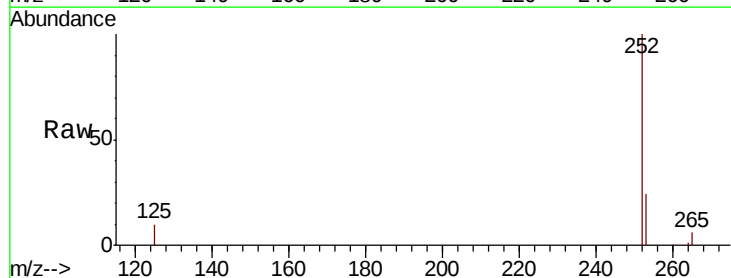
Tgt Ion:252 Resp: 22053

Ion Ratio Lower Upper

252 100

253 23.7 17.5 26.3

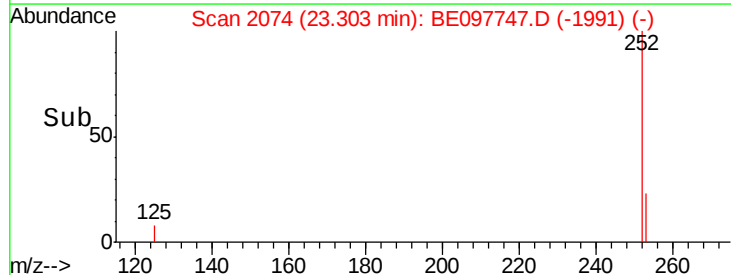
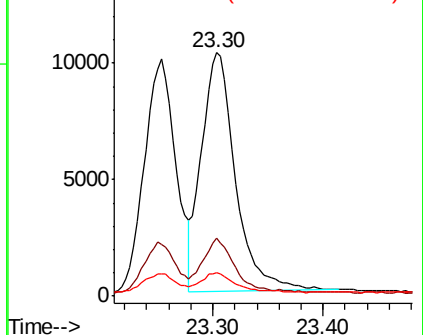
125 9.8 7.5 11.3

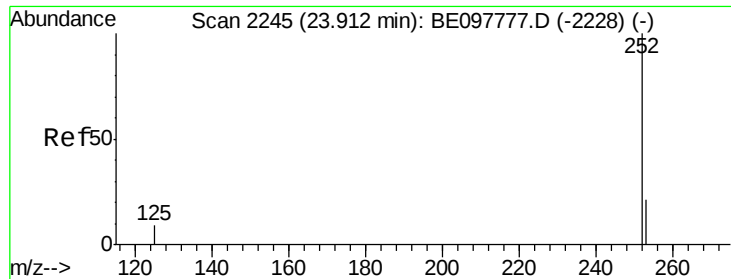


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.450 ng

RT: 23.92 min Scan# 2247

Delta R.T. -0.01 min

Lab File: BE097747.D

Acq: 5 Oct 2018 9:57

Instrument :

BNA_E

ClientSampleId :

PB113432BSD

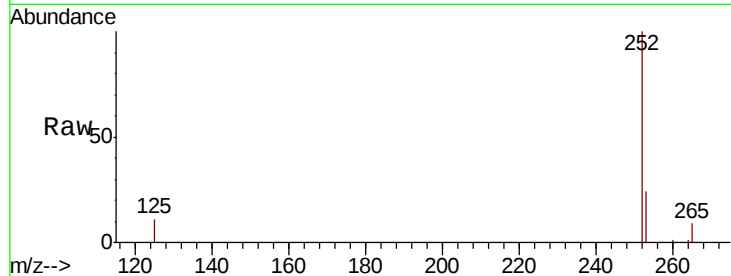
Tot Ion:252 Resp: 18749

Ion Ratio Lower Upper

252 100

253 23.5 17.7 26.5

125 11.4 8.3 12.5

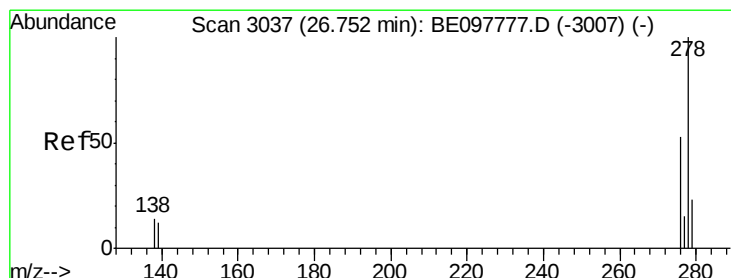
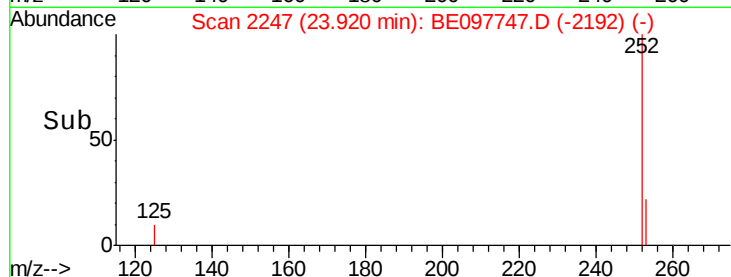
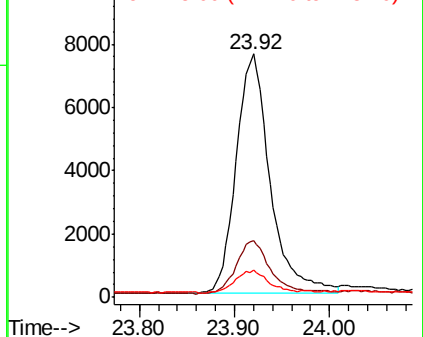


Abundance

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: 0.501 ng

RT: 26.76 min Scan# 3039

Delta R.T. -0.01 min

Lab File: BE097747.D

Acq: 5 Oct 2018 9:57

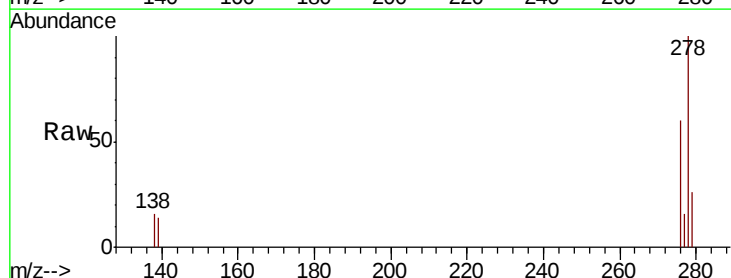
Tgt Ion:278 Resp: 20586

Ion Ratio Lower Upper

278 100

139 14.3 10.3 15.5

279 25.5 18.4 27.6

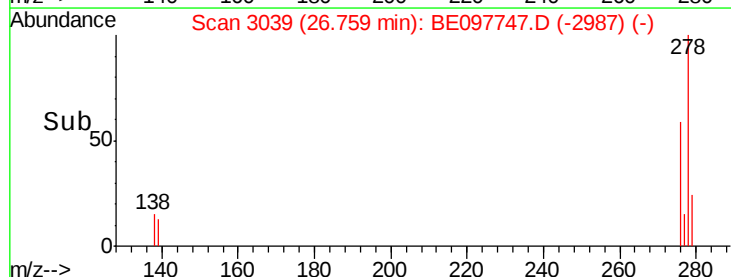
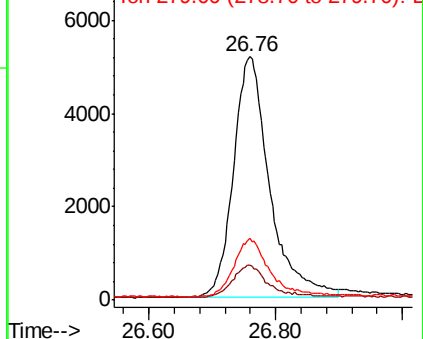


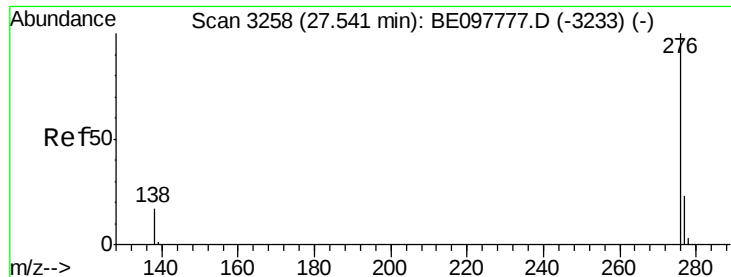
Abundance

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(a,h,i)perylene

Concen: 0.526 ng

RT: 27.55 min Scan# 3260

Delta R.T. -0.01 min

Lab File: BE097747.D

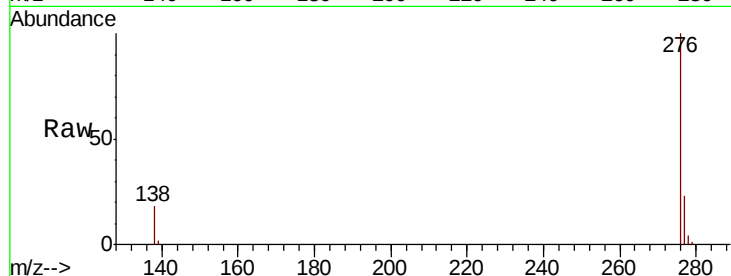
Acq: 5 Oct 2018 9:57

Instrument :

BNA_E

ClientSampleId :

PB113432BSD



Tot Ion: 276 Resp: 22600

Ion Ratio Lower Upper

276 100

277 23.3 19.1 28.7

138 17.7 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

