

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091718\
 Data File : BE097501.D
 Acq On : 17 Sep 2018 18:23
 Operator : SJ/JU
 Sample : J4892-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 18 05:50:52 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE091718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 17 18:57:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	969	0.40	ng	0.00
7) Naphthalene-d8	10.13	136	4454	0.40	ng	0.00
13) Acenaphthene-d10	14.00	164	2652	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	7475	0.40	ng	0.00
27) Chrysene-d12	20.97	240	9449	0.40	ng	0.00
34) Perylene-d12	23.20	264	9504	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	768	0.23	ng	0.00
5) Phenol-d6	6.60	99	604	0.15	ng	-0.01
8) Nitrobenzene-d5	8.53	82	1556	0.43	ng	0.00
11) 2-Methylnaphthalene-d10	11.72	152	3091	0.49	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	687	0.49	ng	-0.01
15) 2-Fluorobiphenyl	12.62	172	5395	0.58	ng	0.00
25) Fluoranthene-d10	18.80	212	47749	0.53	ng	0.00
29) Terphenyl-d14	19.42	244	13780	0.76	ng	0.00

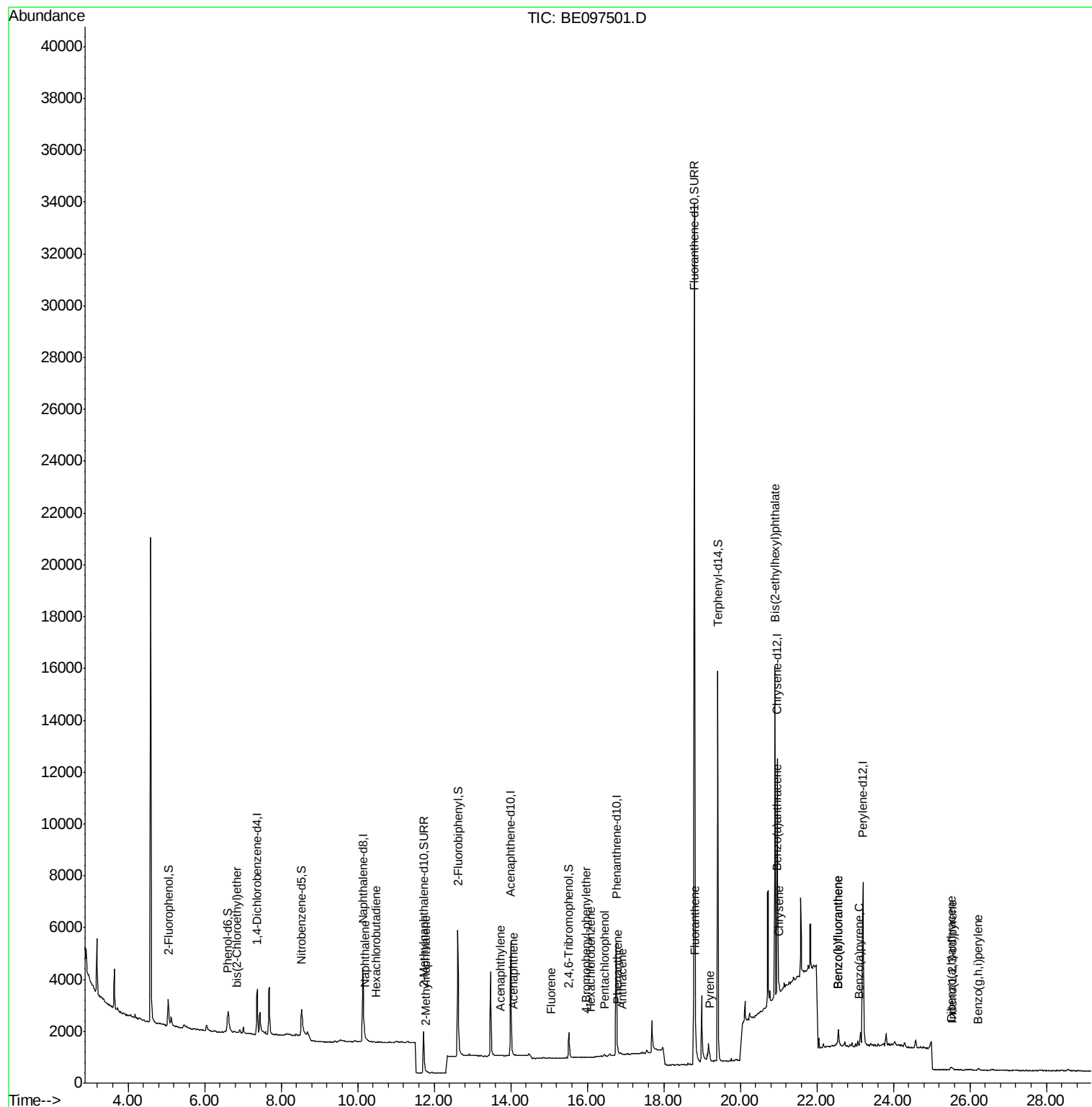
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) bis(2-Chloroethyl)ether	6.84	93	26	0.008	ng	# 1
9) Naphthalene	10.18	128	287	0.007	ng	# 58
10) Hexachlorobutadiene	10.48	225	1	0.001	ng	# 38
12) 2-Methylnaphthalene	11.79	142	17	0.003	ng	# 56
16) Acenaphthylene	13.73	152	7	0.001	ng	# 61
17) Acenaphthene	14.06	154	6	0.001	ng	# 26
18) Fluorene	15.06	166	24	0.003	ng	# 67
20) 4-Bromophenyl-phenylether	15.97	248	1	0.000	ng	# 52
21) Hexachlorobenzene	16.09	284	4	0.001	ng	# 38
22) Pentachlorophenol	16.45	266	81	0.208	ng	# 88
23) Phenanthrene	16.80	178	184	0.010	ng	# 82
24) Anthracene	16.91	178	59	0.004	ng	# 80
26) Fluoranthene	18.83	202	361	0.016	ng	# 78
28) Pyrene	19.20	202	300	0.012	ng	# 93
30) Benzo(a)anthracene	20.95	228	158	0.006	ng	# 18
31) Chrysene	21.00	228	222	0.009	ng	# 35
32) Bis(2-ethylhexyl)phthalate	20.91	149	13883	0.263	ng	# 100
33) Indeno(1,2,3-cd)pyrene	25.54	276	185	0.006	ng	# 48
35) Benzo(b)fluoranthene	22.55	252	342	0.014	ng	# 1
36) Benzo(k)fluoranthene	22.55	252	342	0.013	ng	# 1
37) Benzo(a)pyrene	23.11	252	143	0.006	ng	# 1
38) Dibenzo(a,h)anthracene	25.52	278	20	0.001	ng	# 1
39) Benzo(g,h,i)perylene	26.22	276	168	0.007	ng	# 1

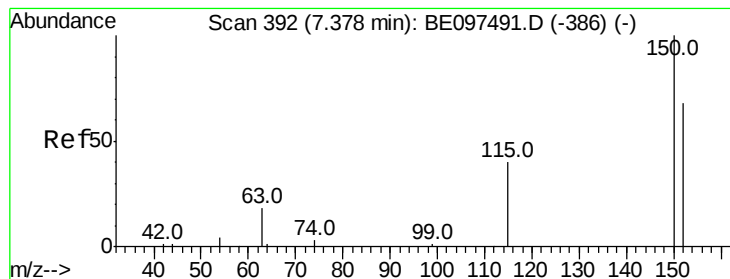
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091718\
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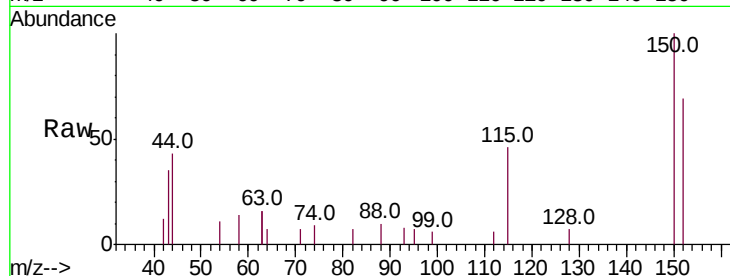


#1

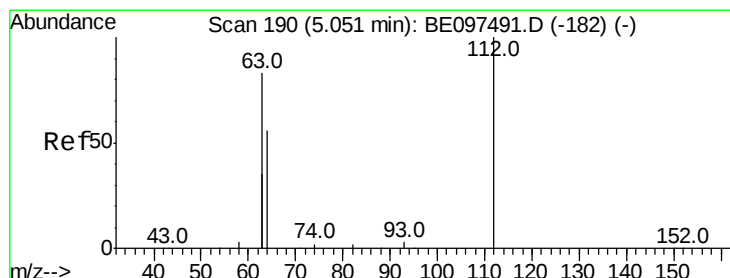
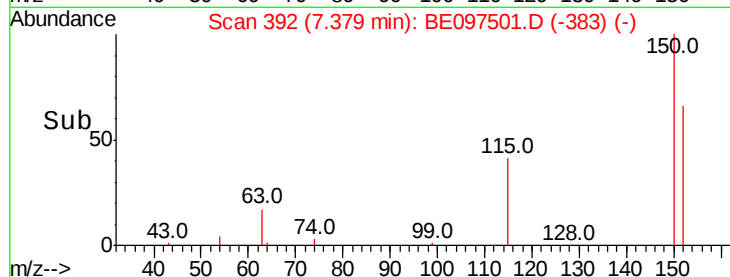
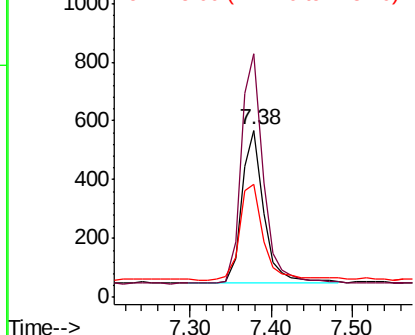
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.38 min Scan# 392
Delta R.T. 0.00 min
Lab File: BE097501.D
Acq: 17 Sep 2018 18:23

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 969
Ion Ratio Lower Upper
152 100
150 145.5 117.2 175.8
115 67.3 57.0 85.6



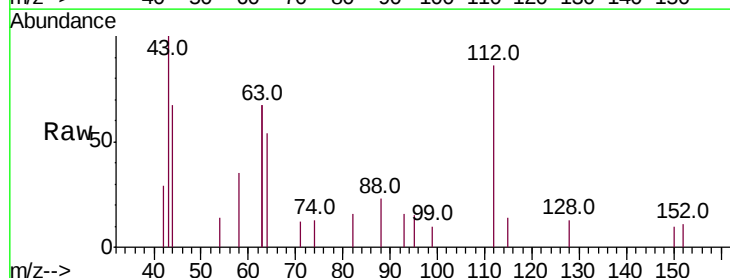
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



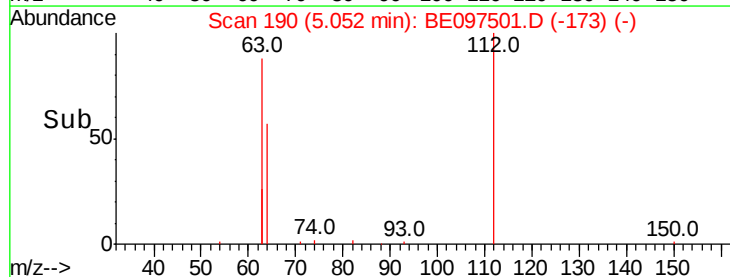
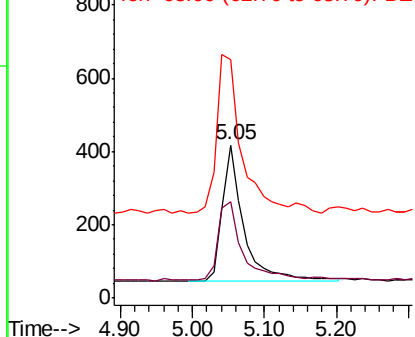
#4

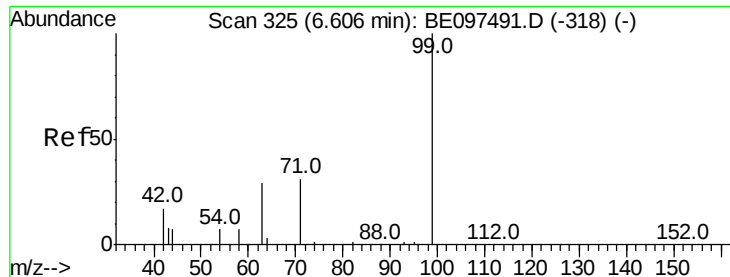
2-Fluorophenol
Concen: 0.234 ng
RT: 5.05 min Scan# 190
Delta R.T. 0.00 min
Lab File: BE097501.D
Acq: 17 Sep 2018 18:23

Tgt Ion:112 Resp: 768
Ion Ratio Lower Upper
112 100
64 64.7 60.1 90.1
63 134.2 116.8 175.2



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: 0.145 ng

RT: 6.60 min Scan# 324

Delta R.T. -0.01 min

Lab File: BE097501.D

Acq: 17 Sep 2018 18:23

Instrument :

BNA_E

ClientSampled :

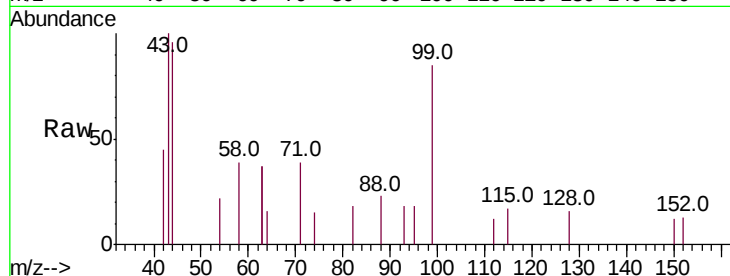
Tot Ion: 99 Resp: 604

Ion Ratio Lower Upper

99 100

42 23.5 20.2 30.2

71 39.2 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

6.60

300

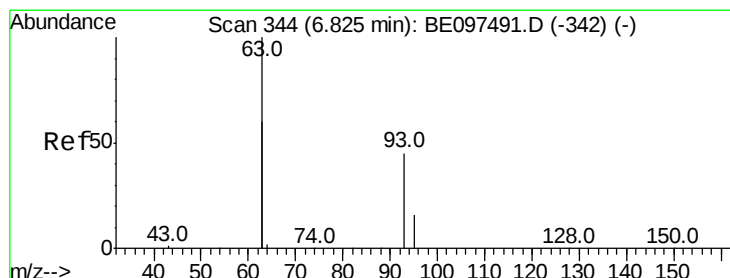
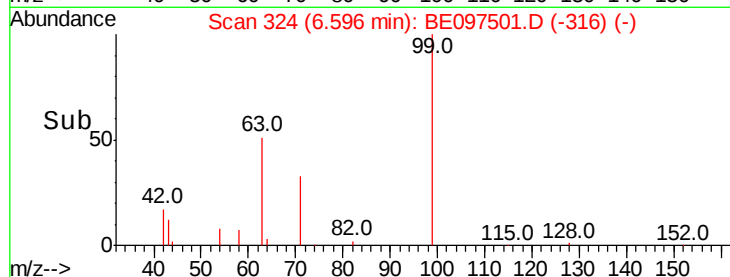
200

100

0

6.50 6.55 6.60 6.65 6.70

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.008 ng

RT: 6.84 min Scan# 345

Delta R.T. 0.01 min

Lab File: BE097501.D

Acq: 17 Sep 2018 18:23

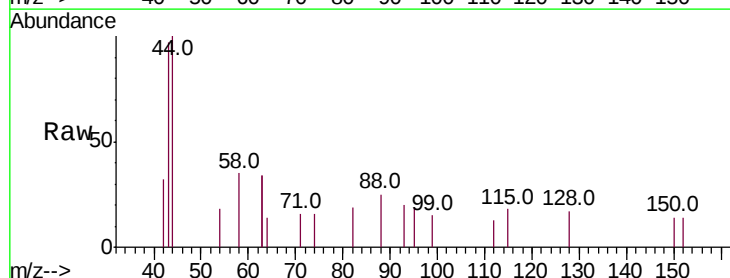
Tgt Ion: 93 Resp: 26

Ion Ratio Lower Upper

93 100

63 0.0 275.3 412.9#

95 0.0 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

300

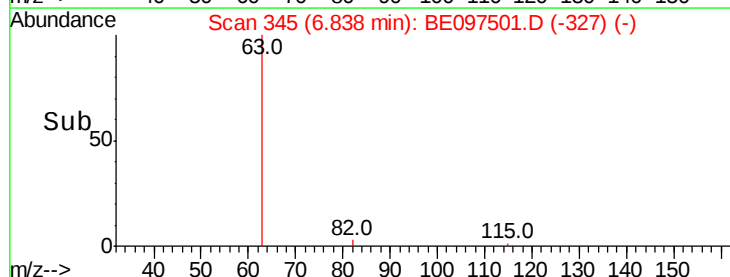
200

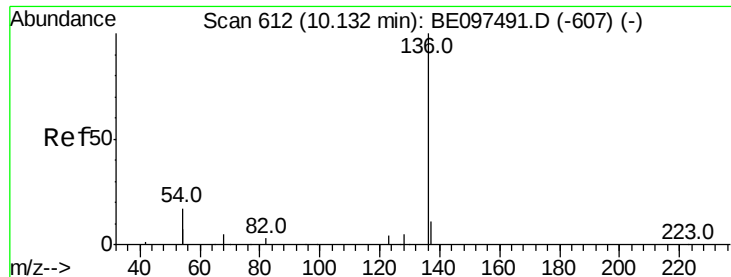
100

0

6.70 6.75 6.80 6.85 6.90

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.13 min Scan# 612

Delta R.T. 0.00 min

Lab File: BE097501.D

Acq: 17 Sep 2018 18:23

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 4454

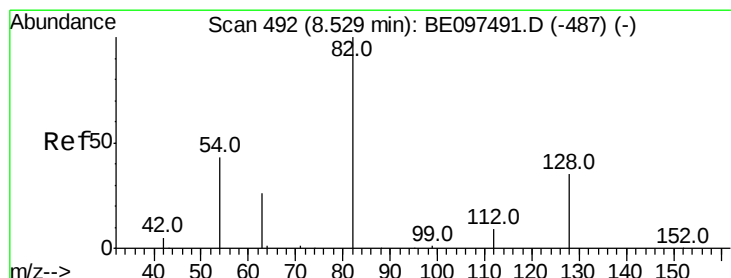
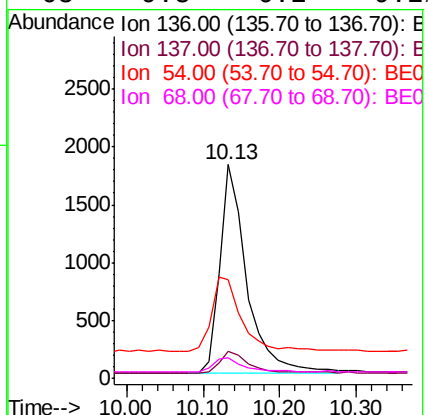
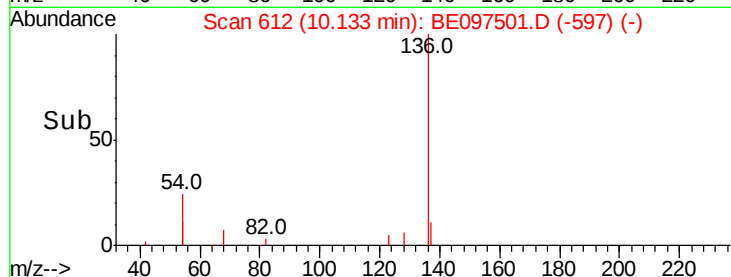
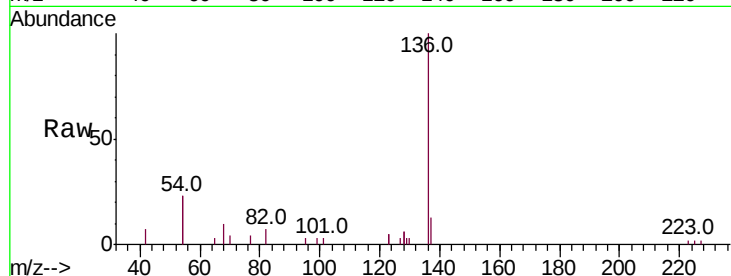
Ion Ratio Lower Upper

136 100

137 12.9 9.5 14.3

54 46.0 29.1 43.7#

68 9.8 6.2 9.2#



#8

Nitrobenzene-d5

Concen: 0.434 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.00 min

Lab File: BE097501.D

Acq: 17 Sep 2018 18:23

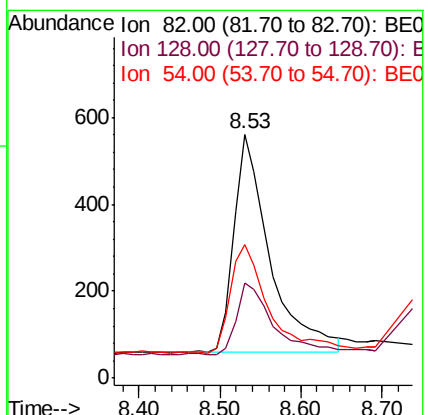
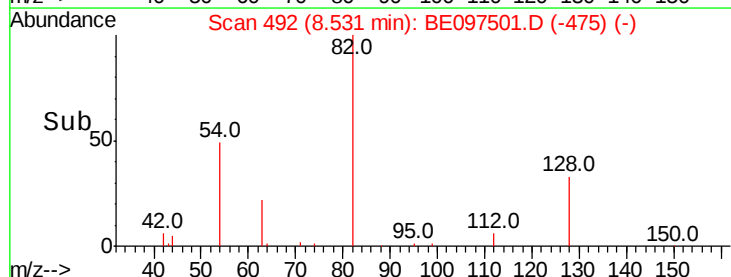
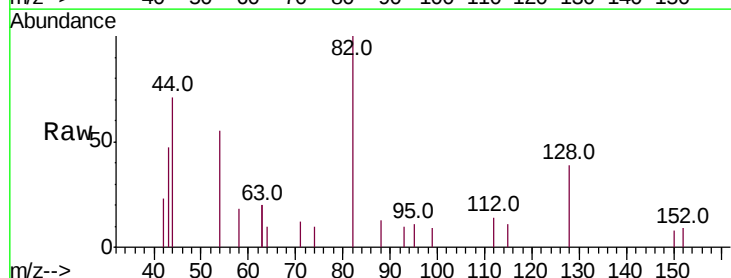
Tgt Ion: 82 Resp: 1556

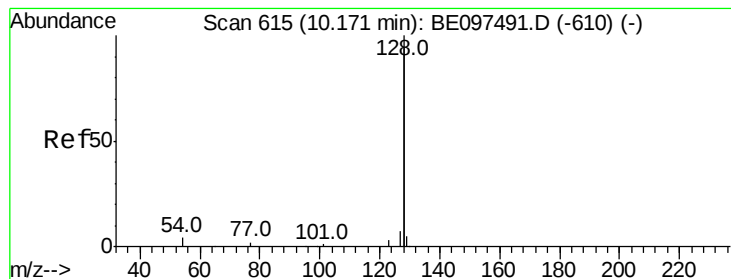
Ion Ratio Lower Upper

82 100

128 39.2 24.0 36.0#

54 54.5 40.0 60.0





#9

Naphthalene

Concen: 0.007 ng

RT: 10.18 min Scan# 616

Delta R.T. 0.01 min

Lab File: BE097501.D

Acq: 17 Sep 2018 18:23

Instrument :

BNA_E

ClientSampleId :

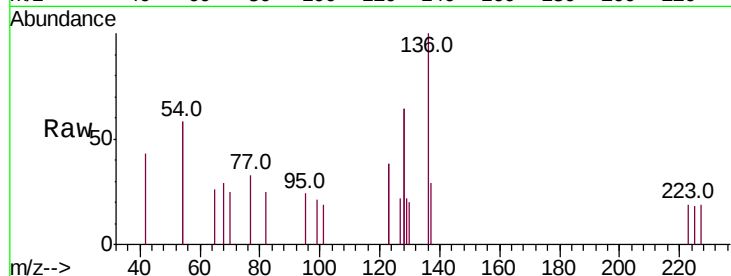
Tot Ion:128 Resp: 287

Ion Ratio Lower Upper

128 100

129 17.2 2.6 3.8#

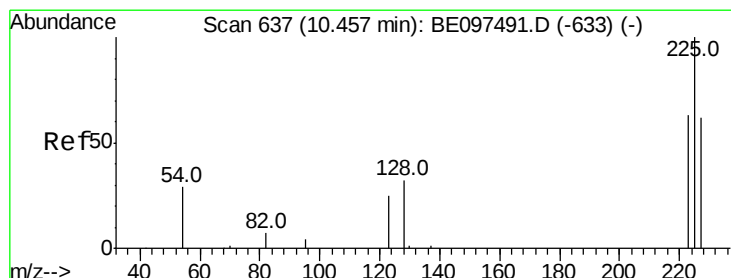
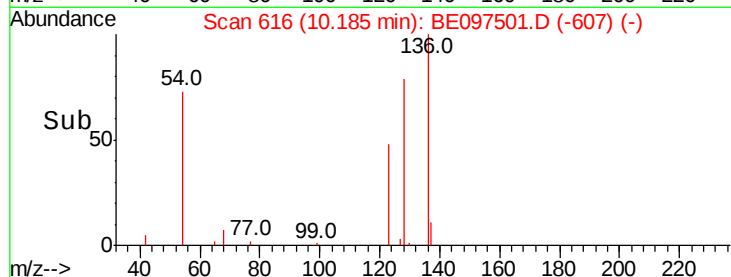
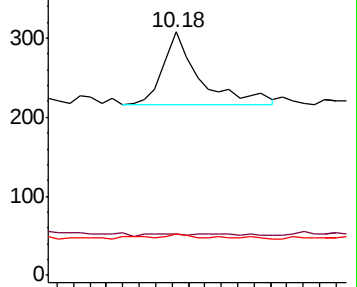
127 17.2 2.8 4.2#



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: 0.001 ng

RT: 10.48 min Scan# 639

Delta R.T. 0.03 min

Lab File: BE097501.D

Acq: 17 Sep 2018 18:23

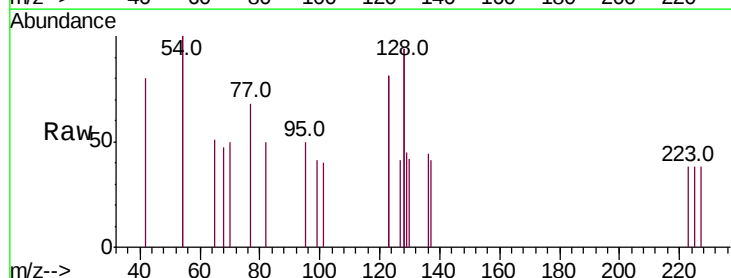
Tgt Ion:225 Resp: 1

Ion Ratio Lower Upper

225 100

223 100.0 53.0 79.6#

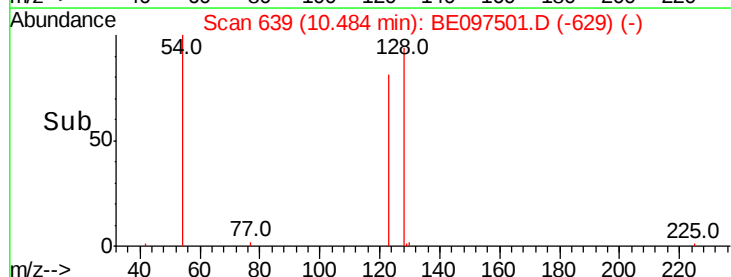
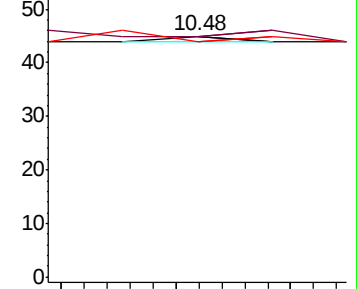
227 0.0 51.4 77.2#

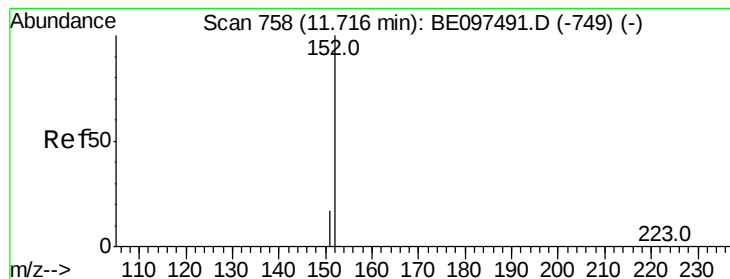


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.486 ng

RT: 11.72 min Scan# 759

Delta R.T. 0.00 min

Lab File: BE097501.D

Acq: 17 Sep 2018 18:23

Instrument :

BNA_E

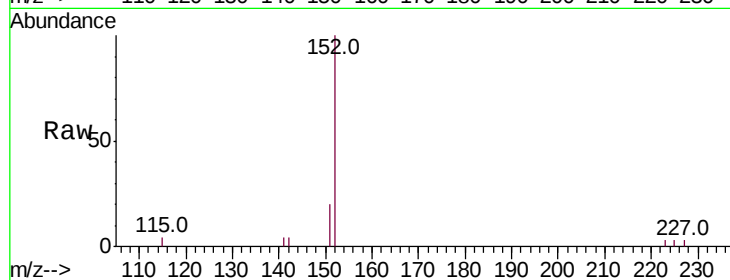
ClientSampleId :

Tot Ion:152 Resp: 3091

Ion Ratio Lower Upper

152 100

151 18.8 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.72

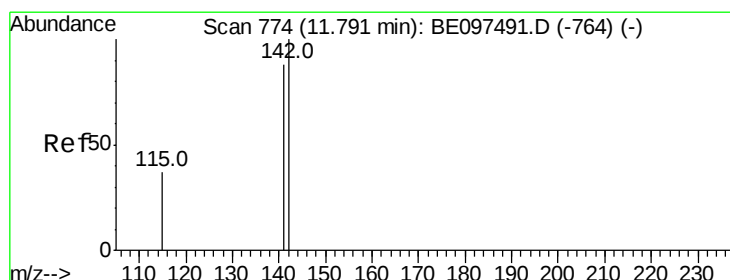
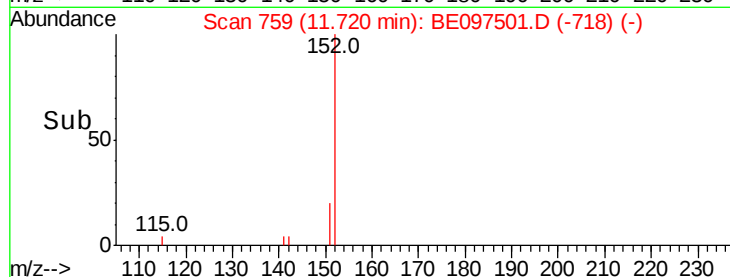
1500

1000

500

0

Time--> 11.60 11.70 11.80 11.90



#12

2-Methylnaphthalene

Concen: 0.003 ng

RT: 11.79 min Scan# 774

Delta R.T. -0.00 min

Lab File: BE097501.D

Acq: 17 Sep 2018 18:23

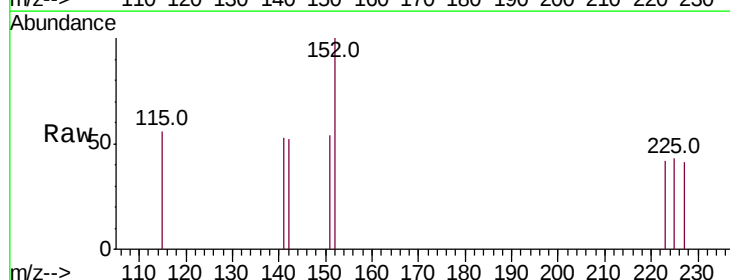
Tgt Ion:142 Resp: 17

Ion Ratio Lower Upper

142 100

141 101.8 70.4 105.6

115 107.1 31.7 47.5#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

80

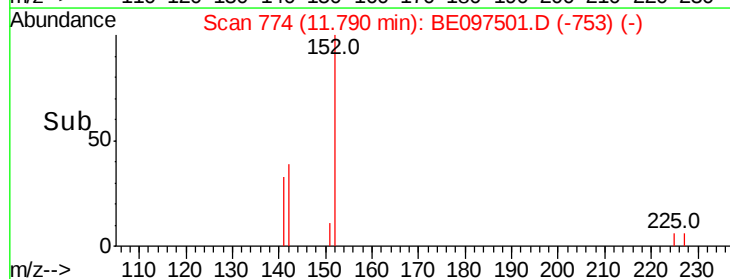
60

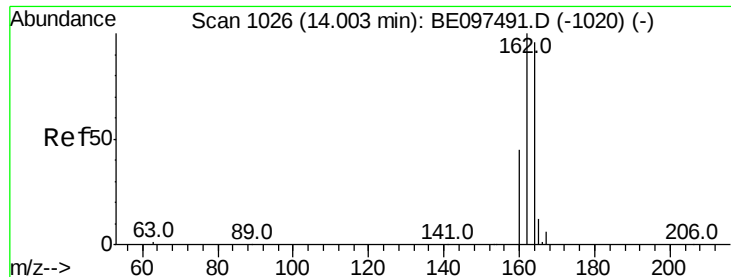
40

20

0

Time--> 11.75 11.80 11.85

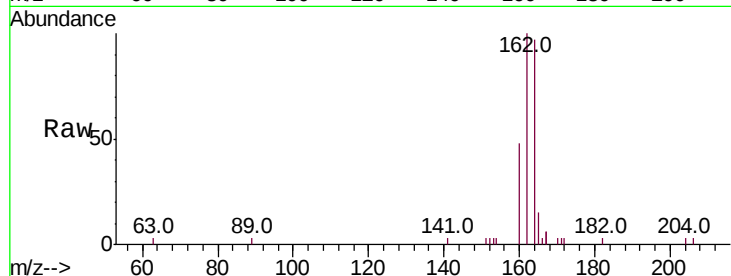




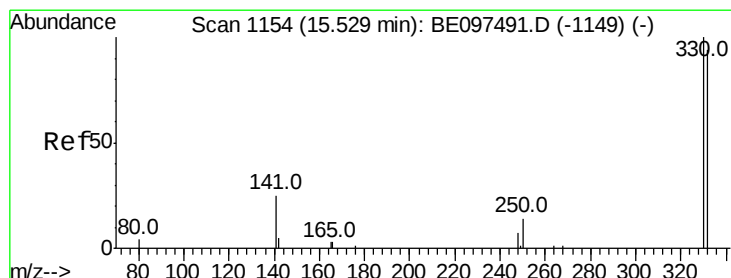
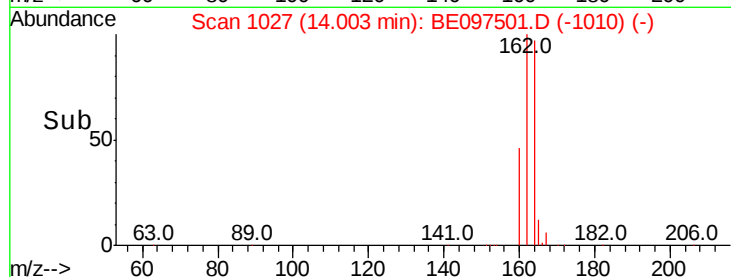
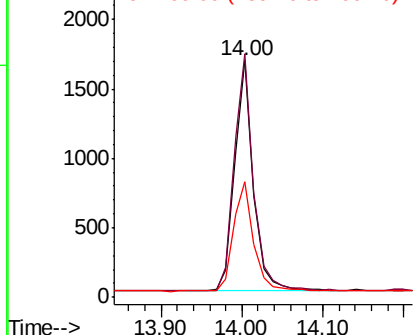
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.00 min Scan# 1027
 Delta R.T. 0.00 min
 Lab File: BE097501.D
 Acq: 17 Sep 2018 18:23

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:164 Resp: 2652
 Ion Ratio Lower Upper
 164 100
 162 102.7 83.1 124.7
 160 49.0 37.1 55.7

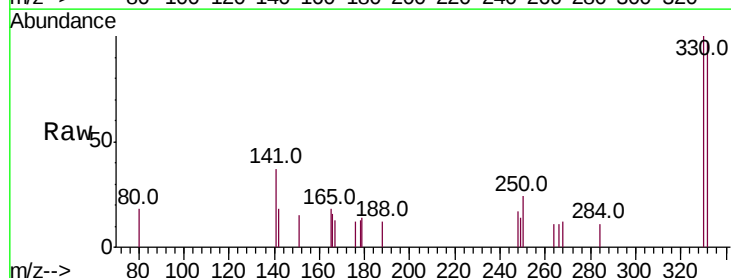


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

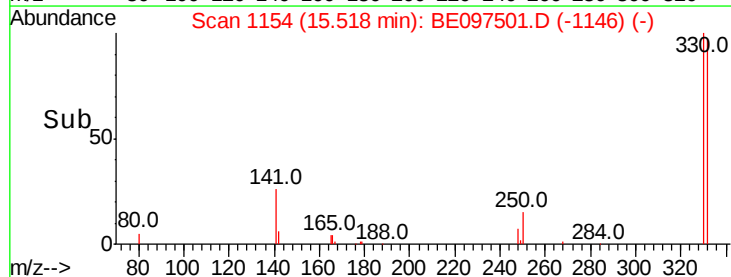
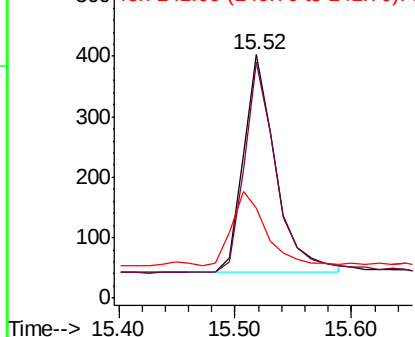


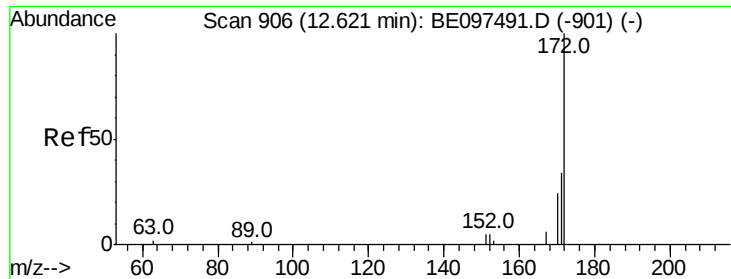
#14
 2,4,6-Tribromophenol
 Concen: 0.490 ng
 RT: 15.52 min Scan# 1154
 Delta R.T. -0.01 min
 Lab File: BE097501.D
 Acq: 17 Sep 2018 18:23

Tgt Ion:330 Resp: 687
 Ion Ratio Lower Upper
 330 100
 332 95.9 152.7 229.1#
 141 37.3 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

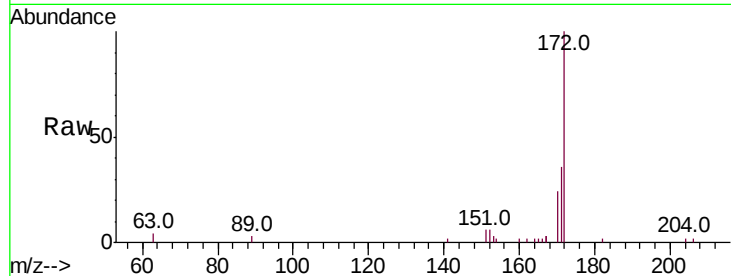




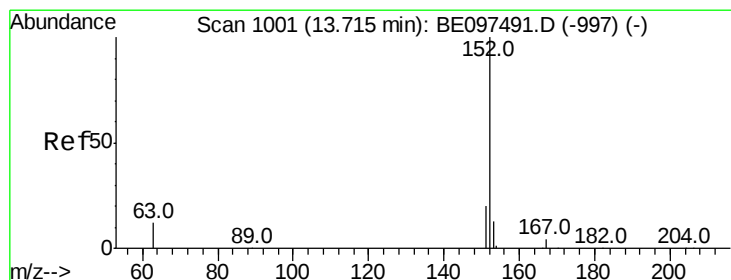
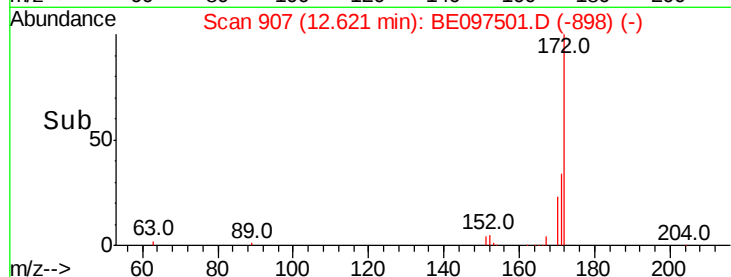
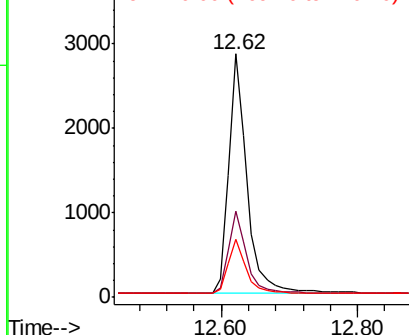
#15
2-Fluorobiphenyl
Concen: 0.582 ng
RT: 12.62 min Scan# 907
Delta R.T. 0.00 min
Lab File: BE097501.D
Acq: 17 Sep 2018 18:23

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 5395
Ion Ratio Lower Upper
172 100
171 35.6 29.9 44.9
170 23.9 21.8 32.8

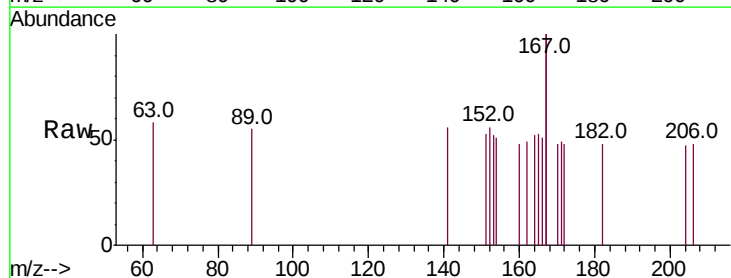


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

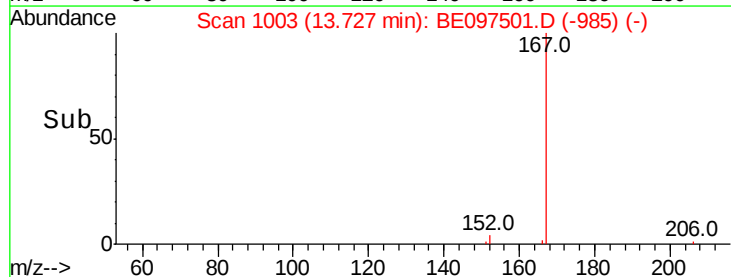
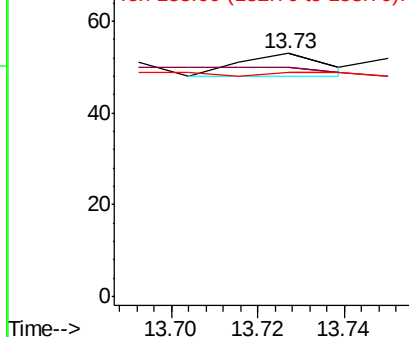


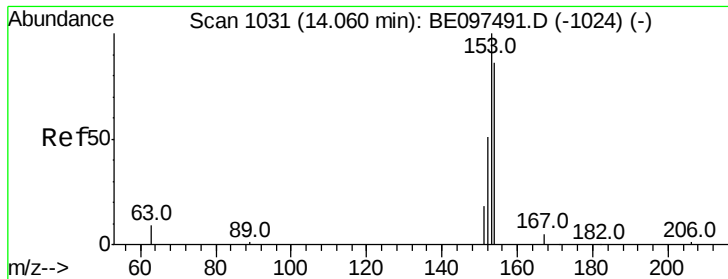
#16
Acenaphthylene
Concen: 0.001 ng
RT: 13.73 min Scan# 1003
Delta R.T. 0.01 min
Lab File: BE097501.D
Acq: 17 Sep 2018 18:23

Tgt Ion:152 Resp: 7
Ion Ratio Lower Upper
152 100
151 0.0 15.7 23.5#
153 0.0 10.5 15.7#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.001 ng

RT: 14.06 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BE097501.D

Acq: 17 Sep 2018 18:23

Instrument :

BNA_E

ClientSampleId :

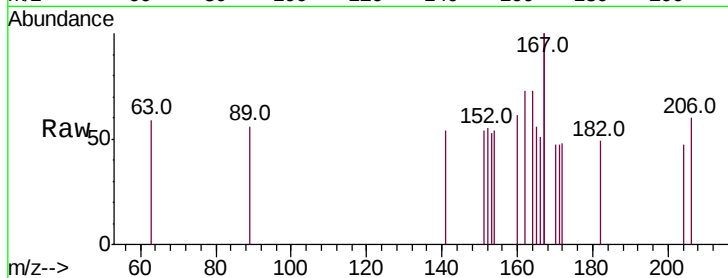
Tot Ion:154 Resp: 6

Ion Ratio Lower Upper

154 100

153 33.3 89.2 133.8#

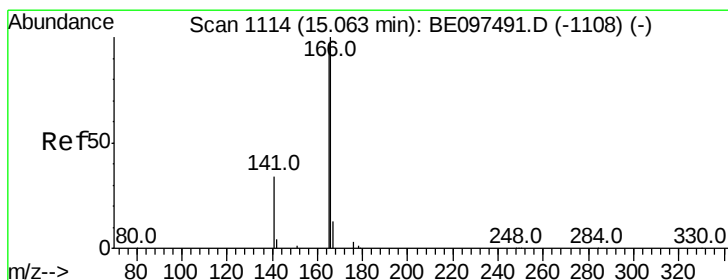
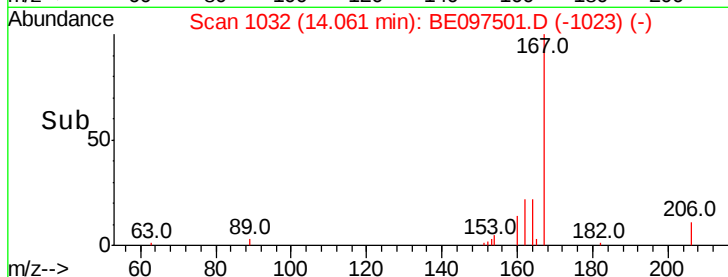
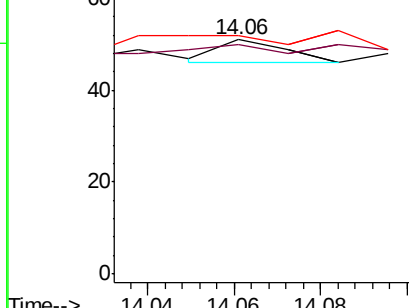
152 0.0 42.0 63.0#



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: 0.003 ng

RT: 15.06 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE097501.D

Acq: 17 Sep 2018 18:23

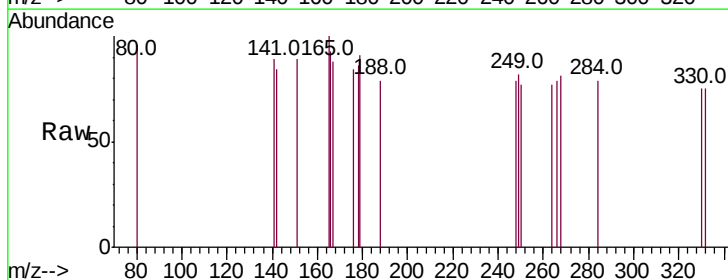
Tgt Ion:166 Resp: 24

Ion Ratio Lower Upper

166 100

165 87.5 77.8 116.6

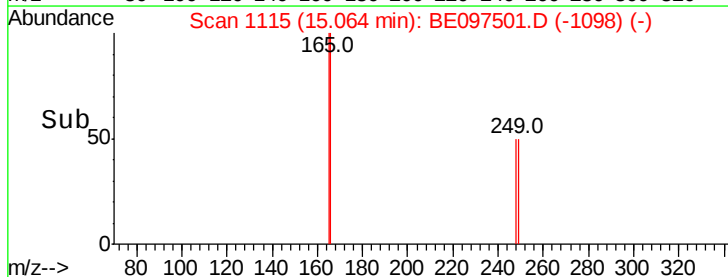
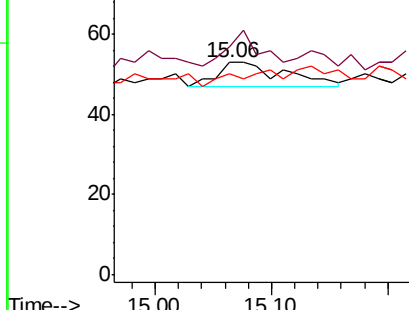
167 0.0 42.4 63.6#

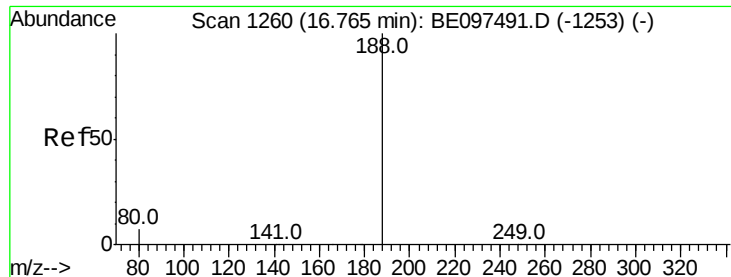


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.77 min Scan# 1261

Delta R.T. 0.00 min

Lab File: BE097501.D

Acq: 17 Sep 2018 18:23

Instrument :

BNA_E

ClientSampled :

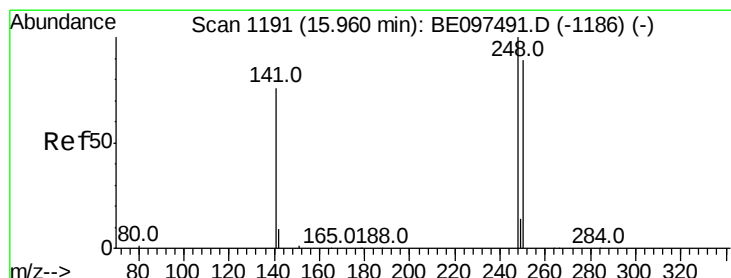
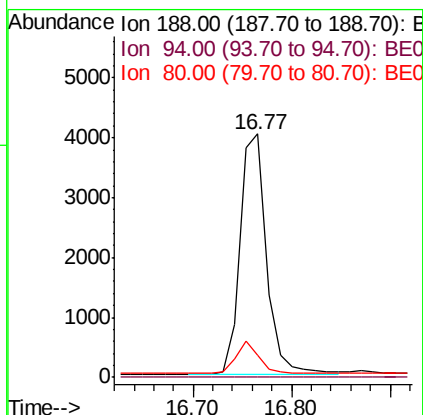
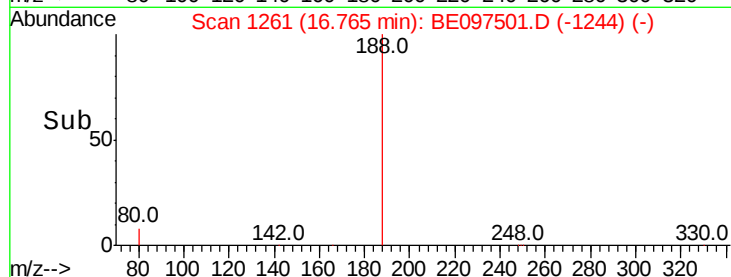
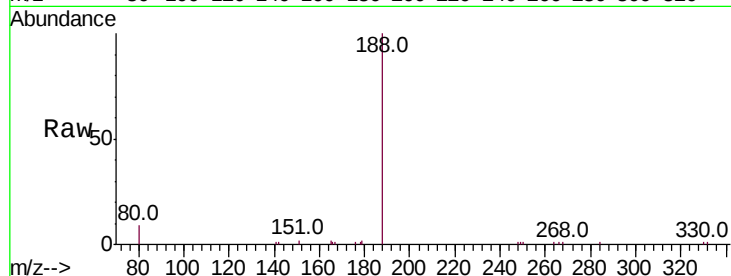
Tot Ion:188 Resp: 7475

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 9.0 3.6 5.4#



#20

4-Bromophenyl-phenylether

Concen: 0.000 ng

RT: 15.97 min Scan# 1193

Delta R.T. 0.01 min

Lab File: BE097501.D

Acq: 17 Sep 2018 18:23

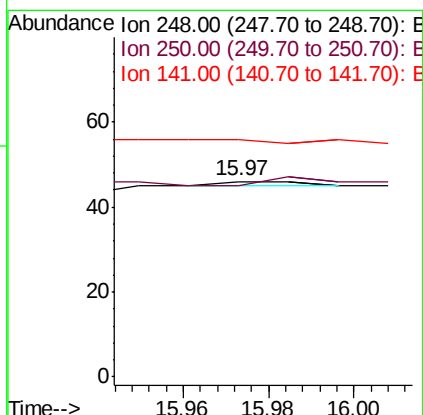
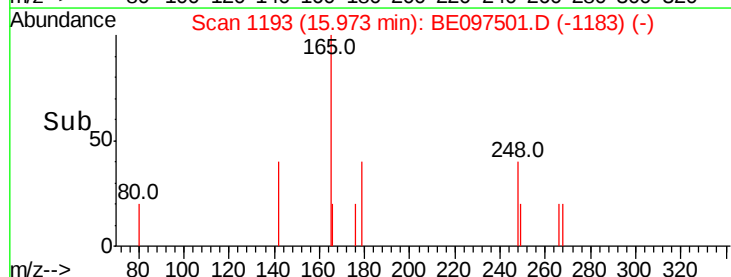
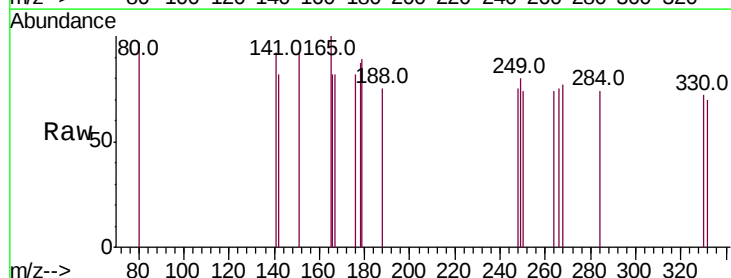
Tgt Ion:248 Resp: 1

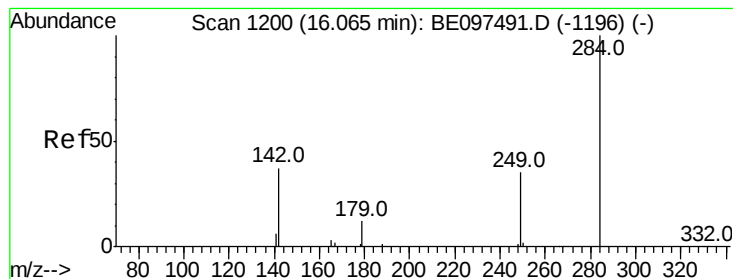
Ion Ratio Lower Upper

248 100

250 97.8 62.7 94.1#

141 121.7 48.2 72.2#





#21

Hexachlorobenzene

Concen: 0.001 ng

RT: 16.09 min Scan# 1203

Delta R.T. 0.02 min

Lab File: BE097501.D

Acq: 17 Sep 2018 18:23

Instrument :

BNA_E

ClientSampleId :

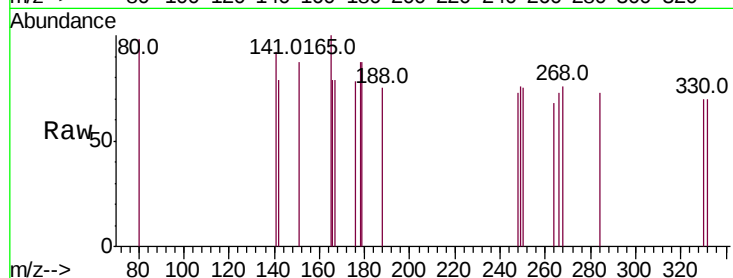
Tot Ion:284 Resp: 4

Ion Ratio Lower Upper

284 100

142 0.0 22.1 33.1#

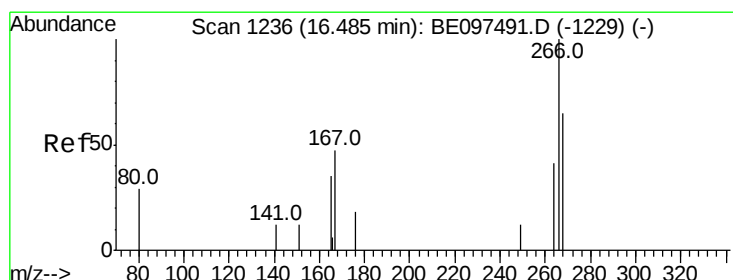
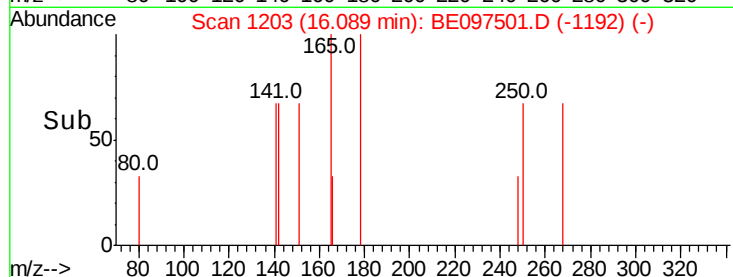
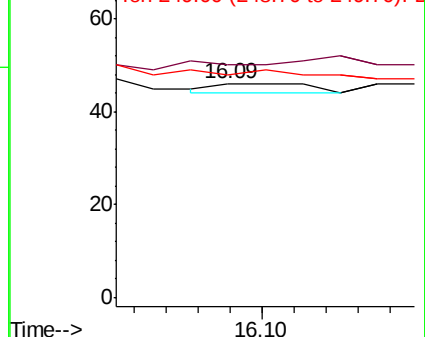
249 0.0 34.8 52.2#



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: 0.208 ng

RT: 16.45 min Scan# 1234

Delta R.T. -0.03 min

Lab File: BE097501.D

Acq: 17 Sep 2018 18:23

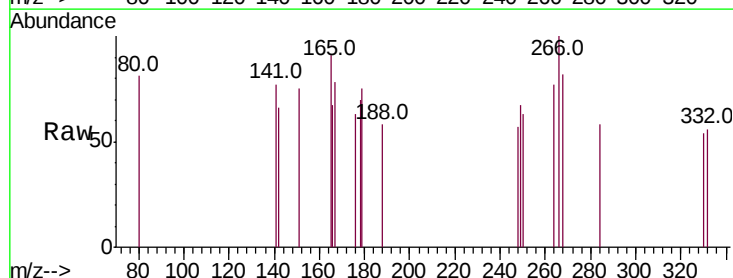
Tgt Ion:266 Resp: 81

Ion Ratio Lower Upper

266 100

264 77.2 72.5 108.7

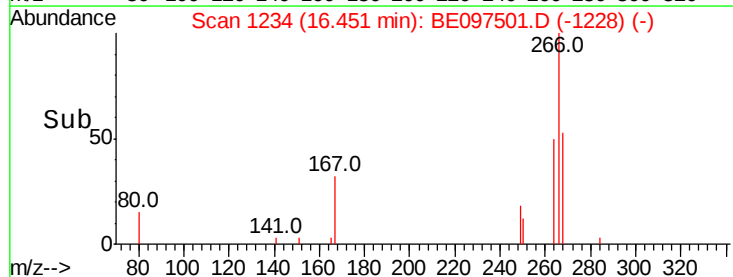
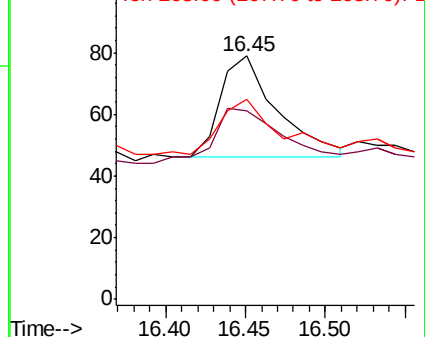
268 82.3 73.8 110.6

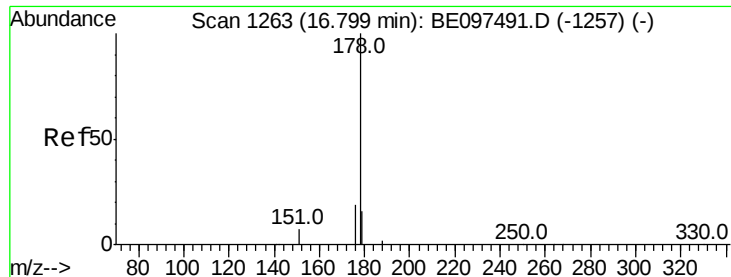


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.010 ng

RT: 16.80 min Scan# 1264

Delta R.T. 0.00 min

Lab File: BE097501.D

Acq: 17 Sep 2018 18:23

Instrument :

BNA_E

ClientSampleId :

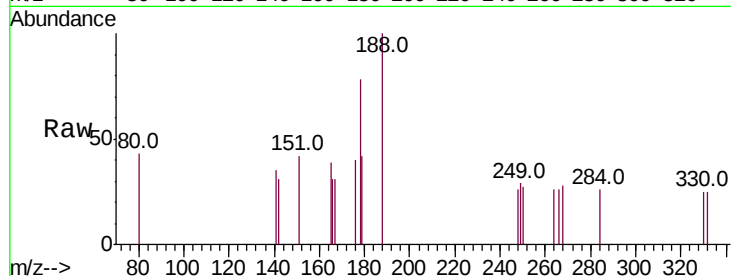
Tot Ion:178 Resp: 184

Ion Ratio Lower Upper

178 100

176 19.6 15.1 22.7

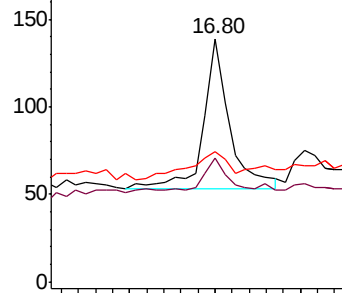
179 31.0 11.8 17.6#



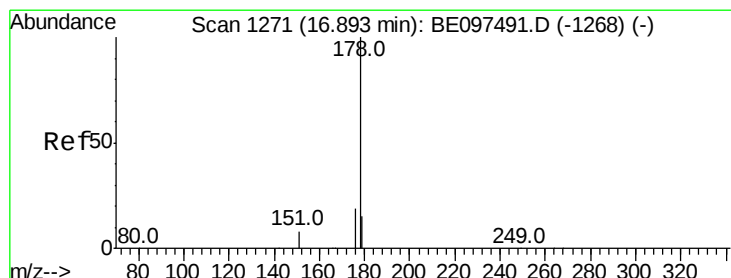
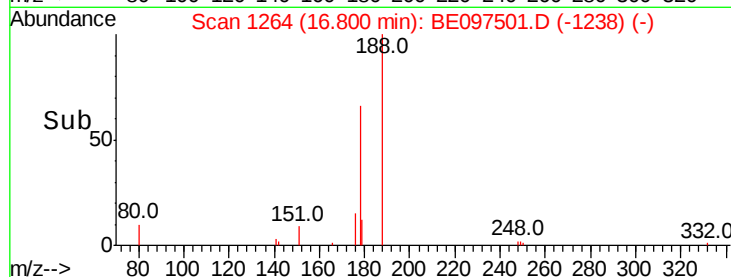
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#24

Anthracene

Concen: 0.004 ng

RT: 16.91 min Scan# 1273

Delta R.T. 0.01 min

Lab File: BE097501.D

Acq: 17 Sep 2018 18:23

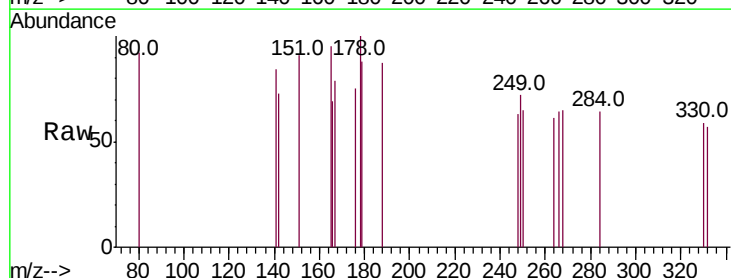
Tgt Ion:178 Resp: 59

Ion Ratio Lower Upper

178 100

176 15.3 12.8 19.2

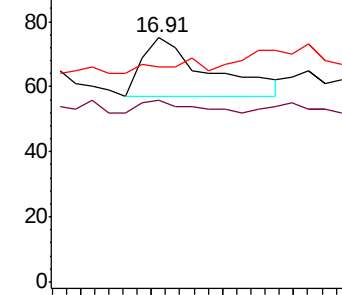
179 0.0 13.0 19.6#



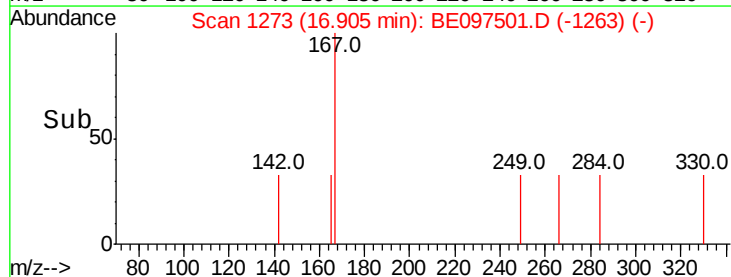
Abundance Ion 178.00 (177.70 to 178.70): E

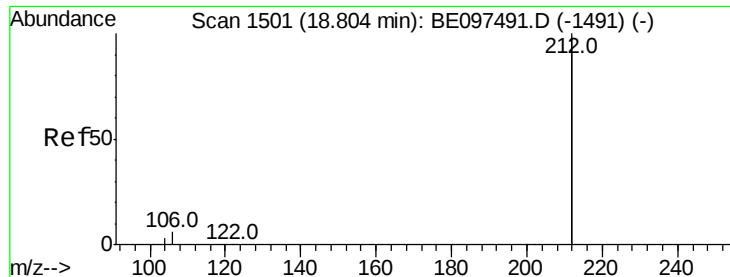
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#25

Fluoranthene-d10

Concen: 0.532 ng

RT: 18.80 min Scan# 1501

Delta R.T. -0.00 min

Lab File: BE097501.D

Acq: 17 Sep 2018 18:23

Instrument :

BNA_E

ClientSampleId :

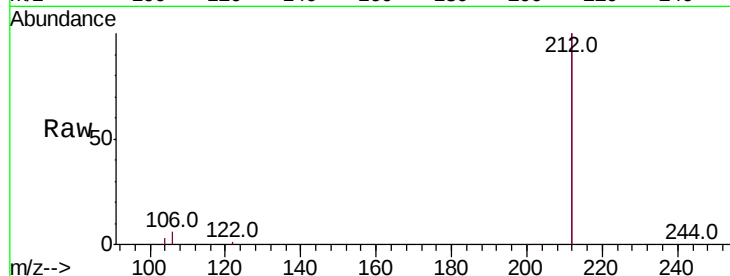
Tot Ion:212 Resp: 47749

Ion Ratio Lower Upper

212 100

106 3.3 2.8 4.2

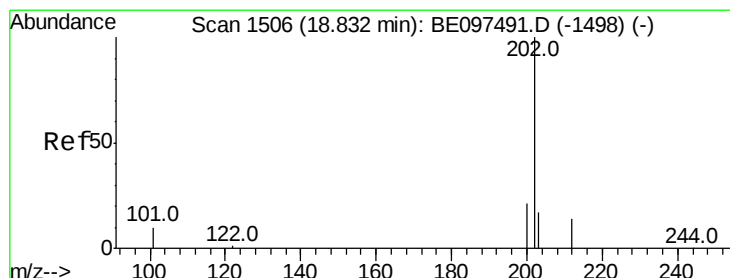
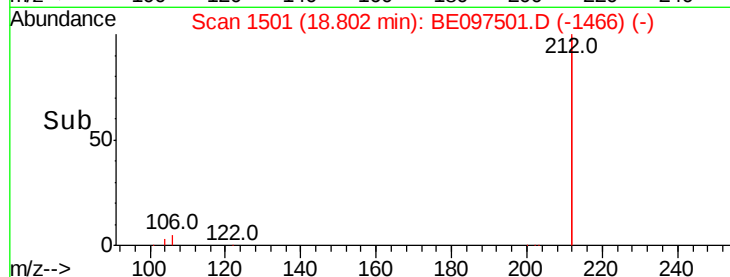
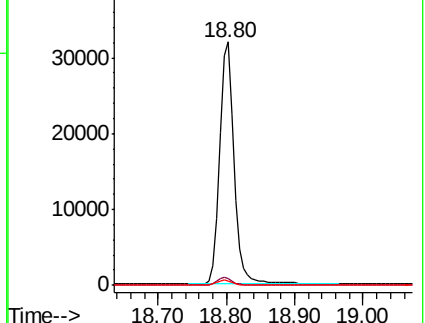
104 1.7 1.6 2.4



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: 0.016 ng

RT: 18.83 min Scan# 1506

Delta R.T. -0.00 min

Lab File: BE097501.D

Acq: 17 Sep 2018 18:23

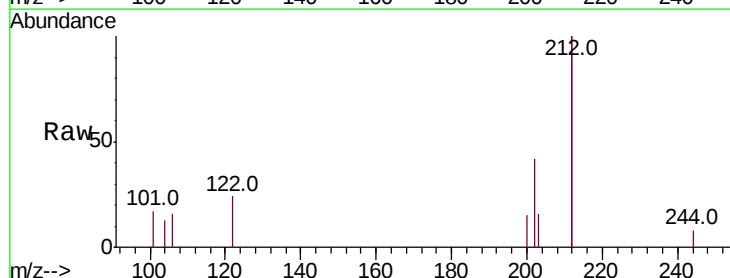
Tgt Ion:202 Resp: 361

Ion Ratio Lower Upper

202 100

101 0.0 9.8 14.8#

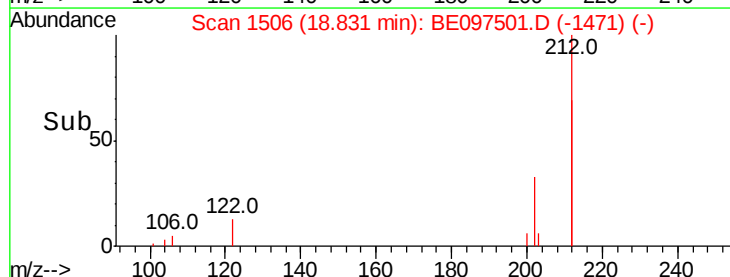
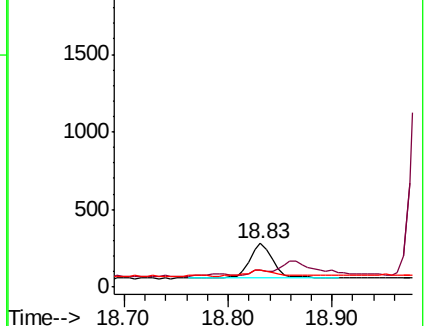
203 23.8 13.7 20.5#

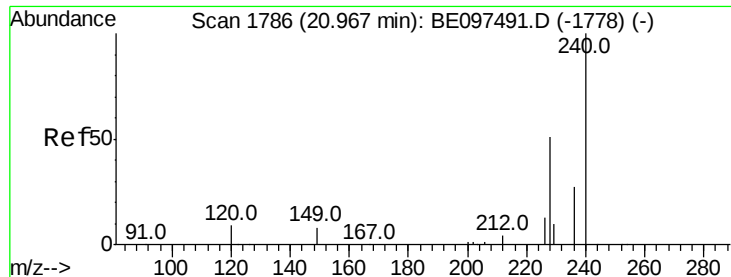


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

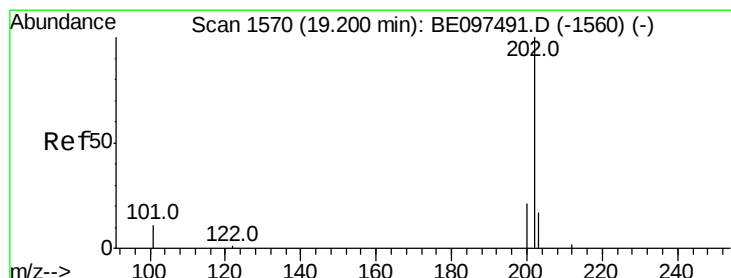
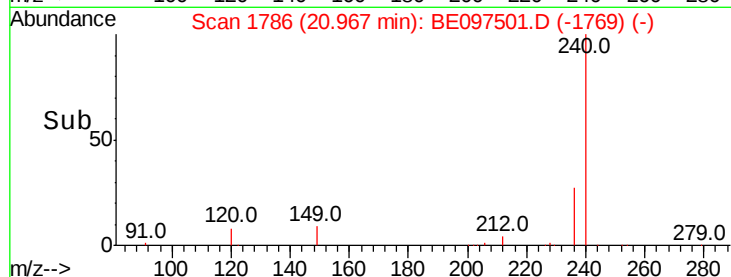
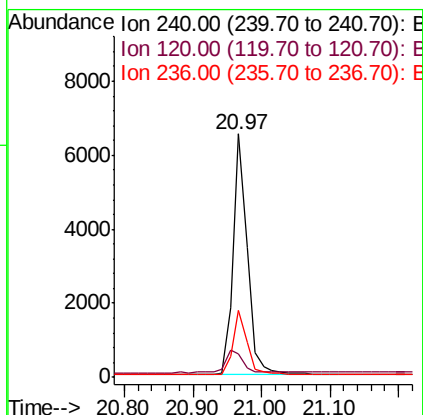
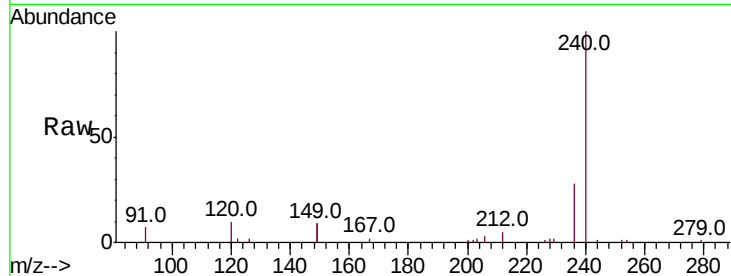




#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.97 min Scan# 1786
Delta R.T. -0.00 min
Lab File: BE097501.D
Acq: 17 Sep 2018 18:23

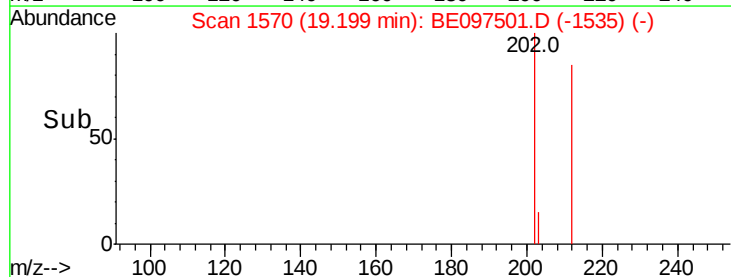
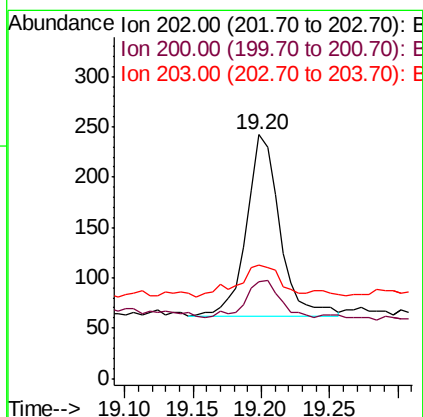
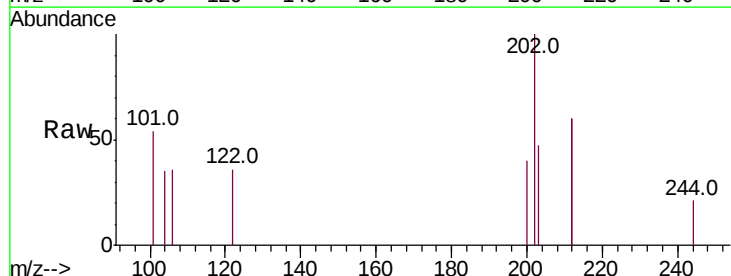
Instrument :
BNA_E
ClientSampleId :

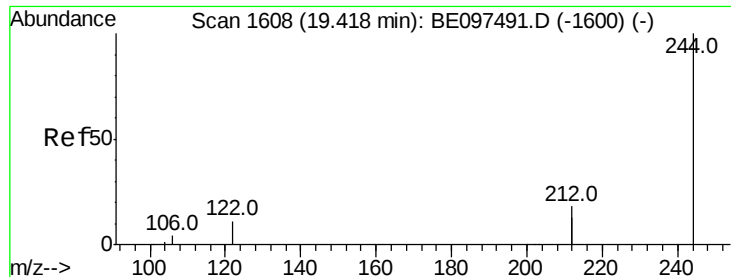
Tot Ion:240 Resp: 9449
Ion Ratio Lower Upper
240 100
120 9.8 5.5 8.3#
236 27.7 20.7 31.1



#28
Pyrene
Concen: 0.012 ng
RT: 19.20 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BE097501.D
Acq: 17 Sep 2018 18:23

Tgt Ion:202 Resp: 300
Ion Ratio Lower Upper
202 100
200 21.7 16.6 25.0
203 22.7 13.8 20.8#





#29

Terphenyl-d14

Concen: 0.762 ng

RT: 19.42 min Scan# 1608

Delta R.T. -0.00 min

Lab File: BE097501.D

Acq: 17 Sep 2018 18:23

Instrument :

BNA_E

ClientSampled :

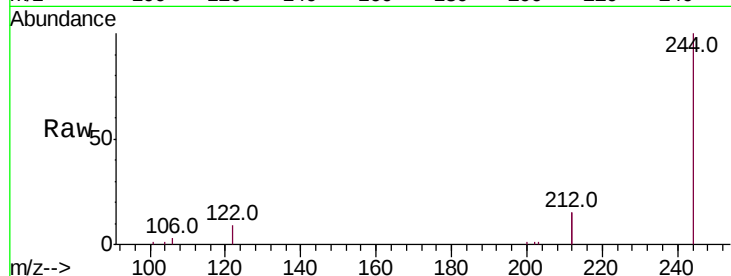
Tot Ion:244 Resp: 13780

Ion Ratio Lower Upper

244 100

212 29.9 25.4 38.0

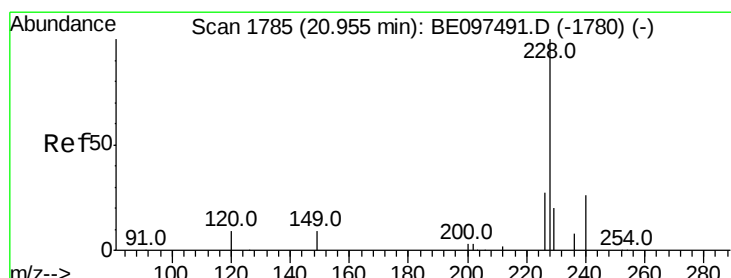
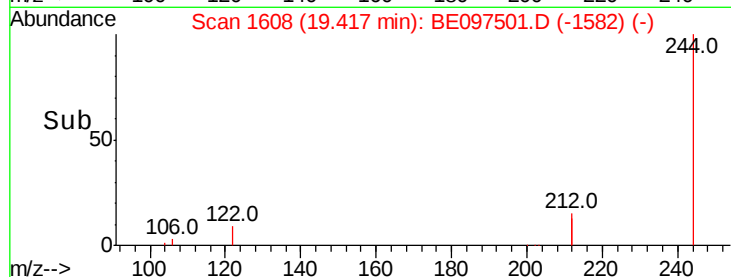
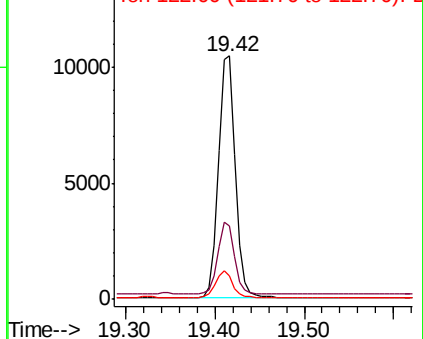
122 9.4 8.1 12.1



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: 0.006 ng

RT: 20.95 min Scan# 1785

Delta R.T. -0.00 min

Lab File: BE097501.D

Acq: 17 Sep 2018 18:23

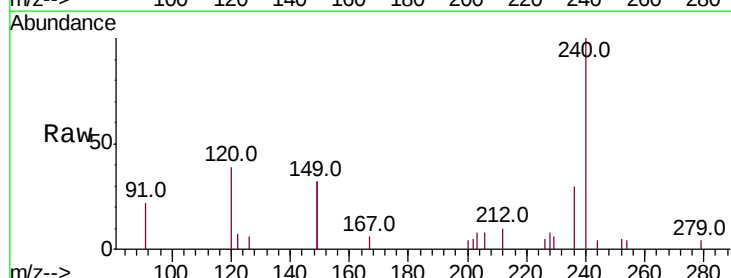
Tgt Ion:228 Resp: 158

Ion Ratio Lower Upper

228 100

226 61.6 24.0 36.0#

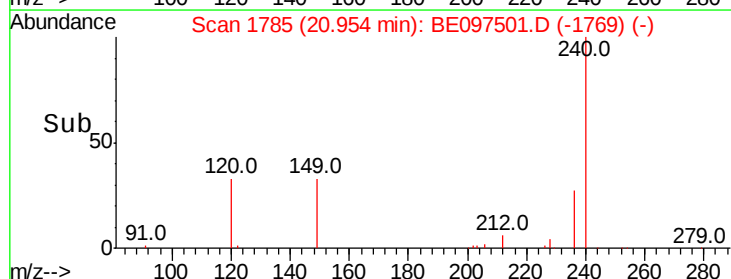
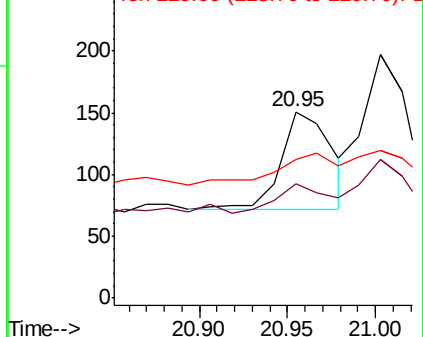
229 74.2 16.0 24.0#

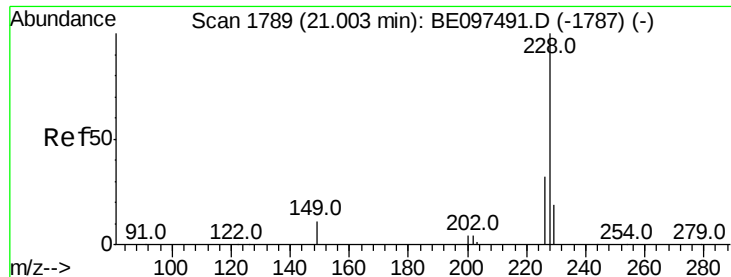


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.009 ng

RT: 21.00 min Scan# 1789

Delta R.T. -0.00 min

Lab File: BE097501.D

Acq: 17 Sep 2018 18:23

Instrument :

BNA_E

ClientSampled :

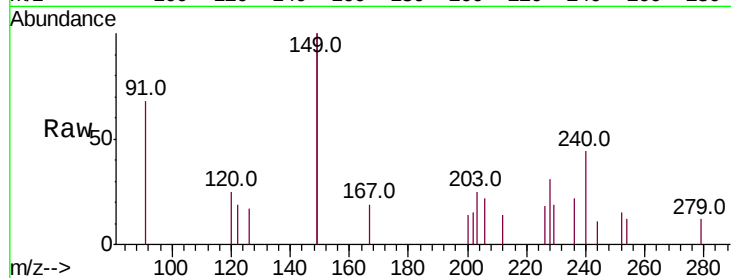
Tot Ion:228 Resp: 222

Ion Ratio Lower Upper

228 100

226 56.9 24.0 36.0#

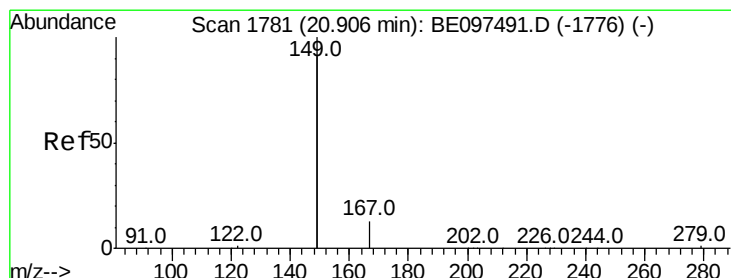
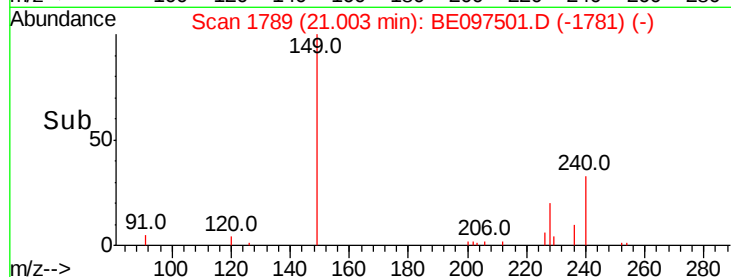
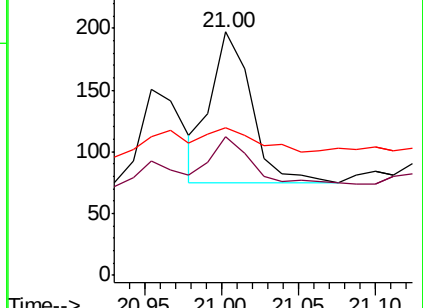
229 60.4 16.0 24.0#



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: 0.263 ng

RT: 20.91 min Scan# 1781

Delta R.T. -0.00 min

Lab File: BE097501.D

Acq: 17 Sep 2018 18:23

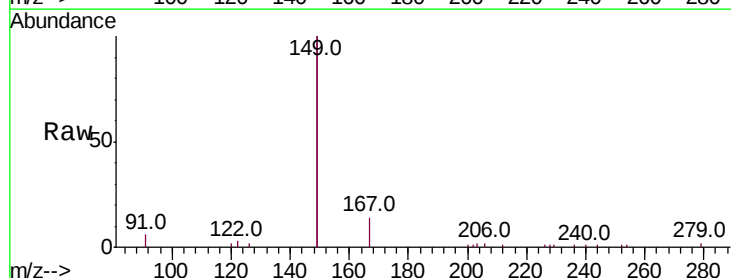
Tgt Ion:149 Resp: 13883

Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.0

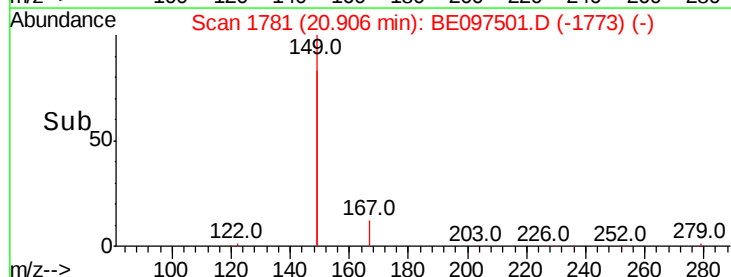
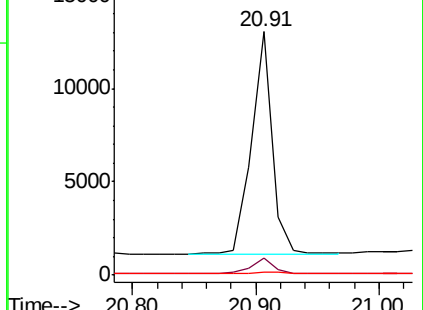
279 1.1 0.7 1.1

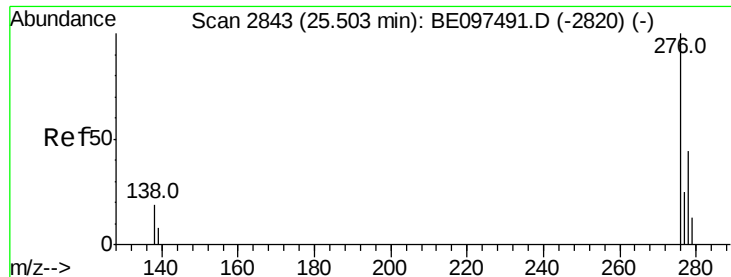


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.006 ng

RT: 25.54 min Scan# 2853

Delta R.T. 0.04 min

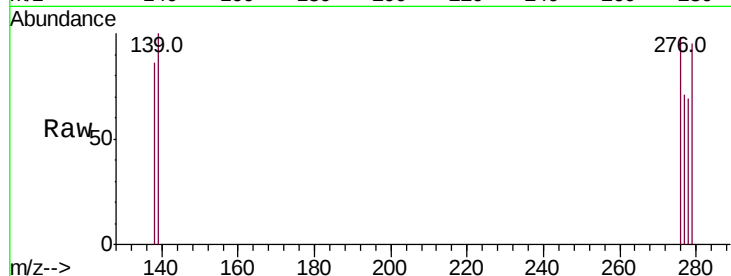
Lab File: BE097501.D

Acq: 17 Sep 2018 18:23

Instrument :

BNA_E

ClientSampleId :



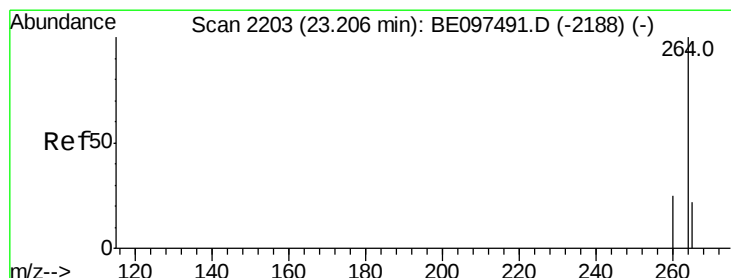
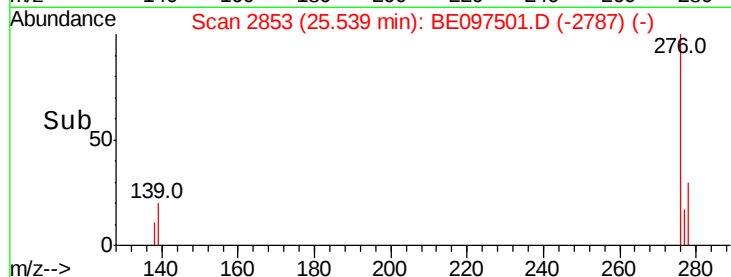
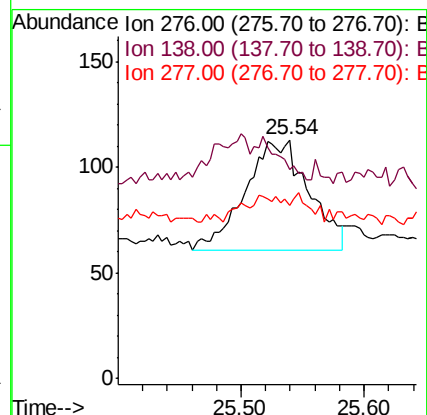
Tot Ion:276 Resp: 185

Ion Ratio Lower Upper

276 100

138 0.0 22.5 33.7#

277 0.0 19.9 29.9#



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.20 min Scan# 2202

Delta R.T. -0.00 min

Lab File: BE097501.D

Acq: 17 Sep 2018 18:23

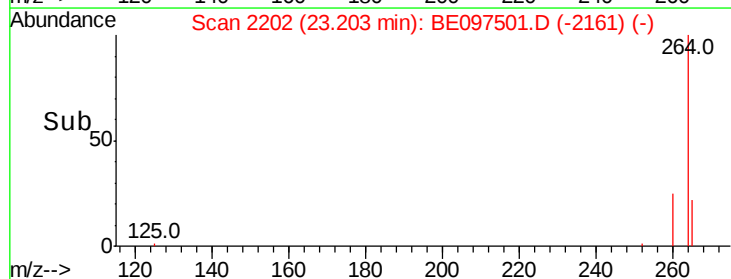
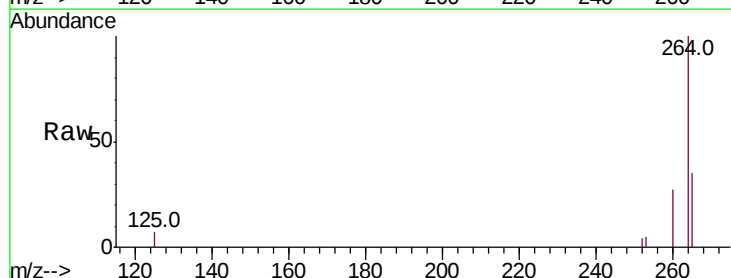
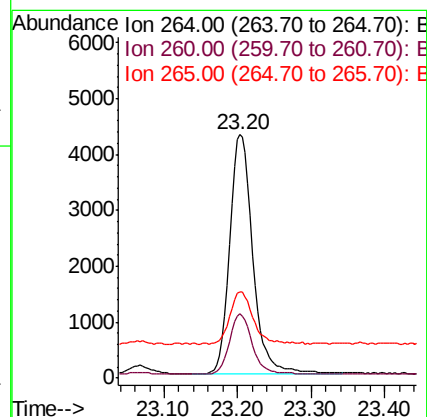
Tgt Ion:264 Resp: 9504

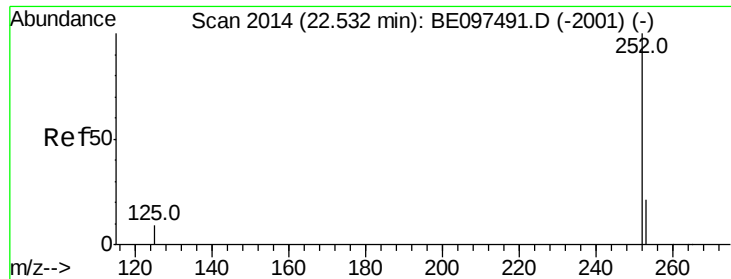
Ion Ratio Lower Upper

264 100

260 26.5 20.5 30.7

265 35.4 22.8 34.2#





#35

Benzo(b)fluoranthene

Concen: 0.014 ng

RT: 22.55 min Scan# 2018

Delta R.T. 0.01 min

Lab File: BE097501.D

Acq: 17 Sep 2018 18:23

Instrument :

BNA_E

ClientSampleId :

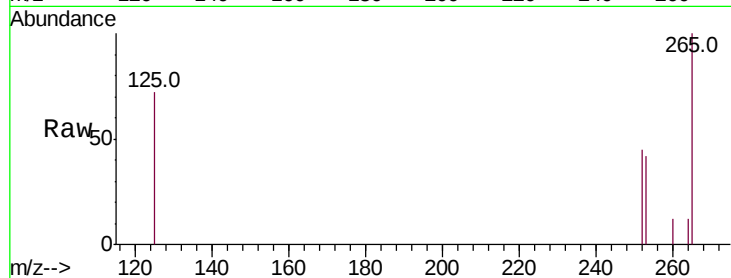
Tot Ion:252 Resp: 342

Ion Ratio Lower Upper

252 100

253 92.7 20.0 30.0#

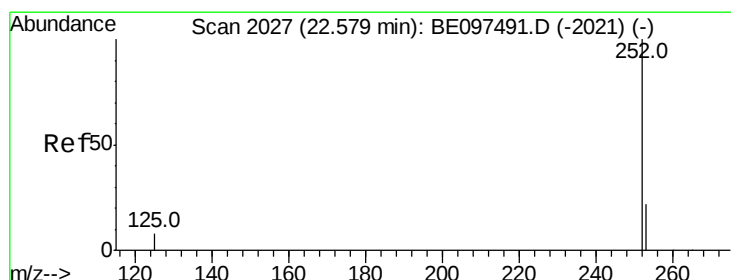
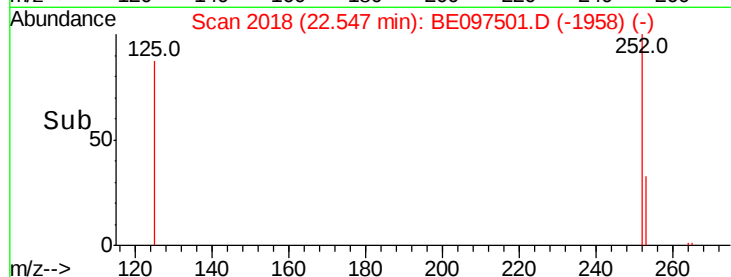
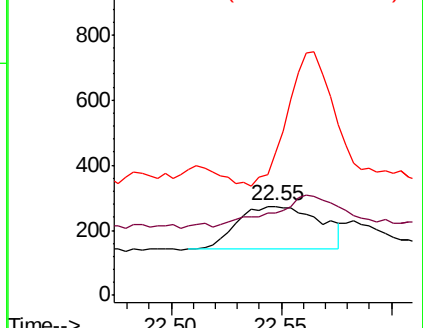
125 160.1 16.0 24.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.013 ng

RT: 22.55 min Scan# 2018

Delta R.T. -0.03 min

Lab File: BE097501.D

Acq: 17 Sep 2018 18:23

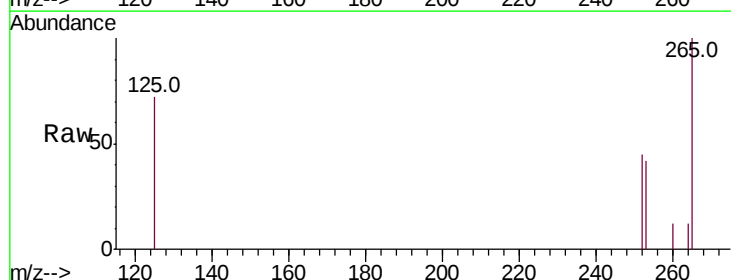
Tgt Ion:252 Resp: 342

Ion Ratio Lower Upper

252 100

253 92.7 16.0 24.0#

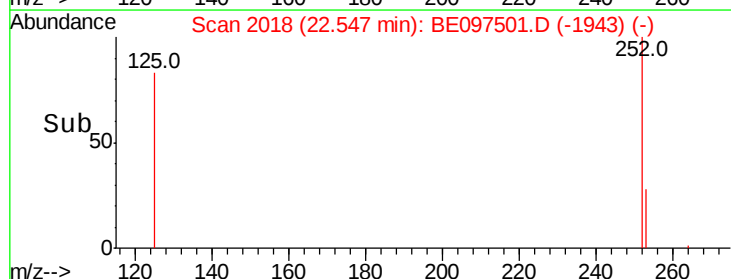
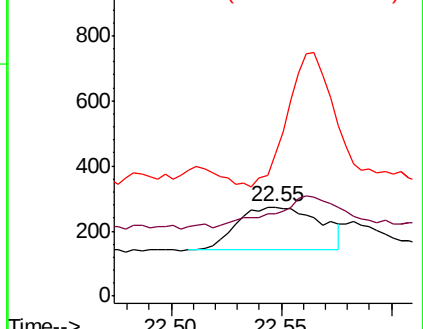
125 160.1 8.0 12.0#

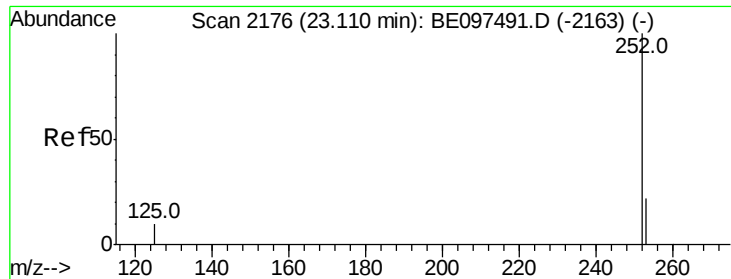


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.006 ng

RT: 23.11 min Scan# 2176

Delta R.T. 0.00 min

Lab File: BE097501.D

Acq: 17 Sep 2018 18:23

Instrument :

BNA_E

ClientSampleId :

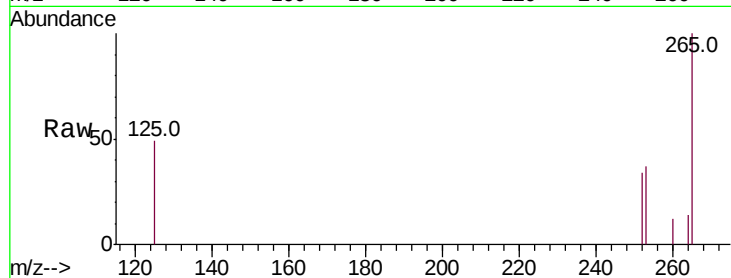
Tot Ion:252 Resp: 143

Ion Ratio Lower Upper

252 100

253 109.7 16.0 24.0#

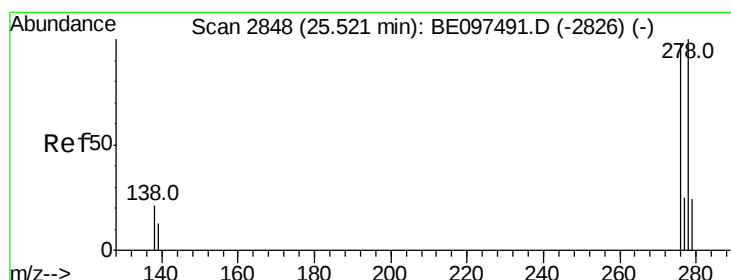
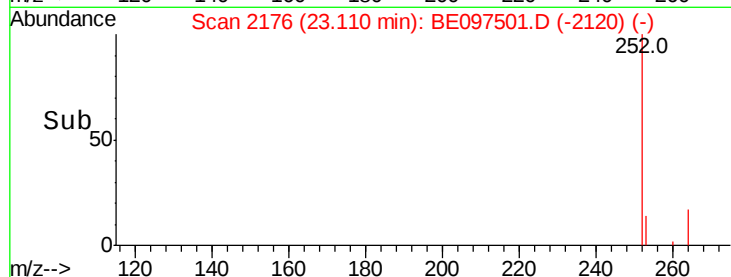
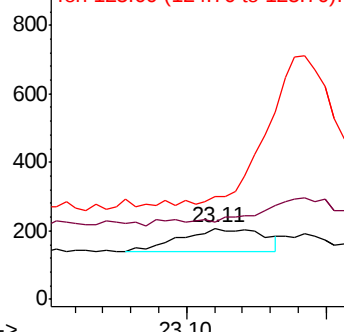
125 144.4 12.0 18.0#



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: 0.001 ng

RT: 25.52 min Scan# 2848

Delta R.T. 0.00 min

Lab File: BE097501.D

Acq: 17 Sep 2018 18:23

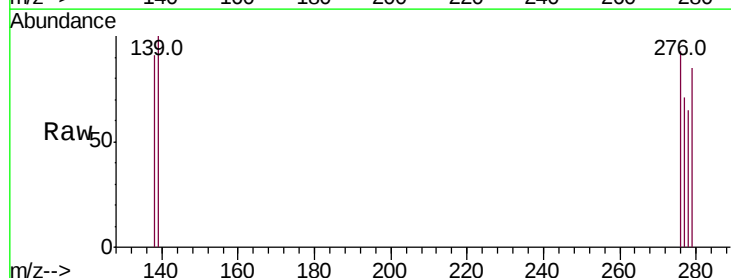
Tgt Ion:278 Resp: 20

Ion Ratio Lower Upper

278 100

139 153.8 16.0 24.0#

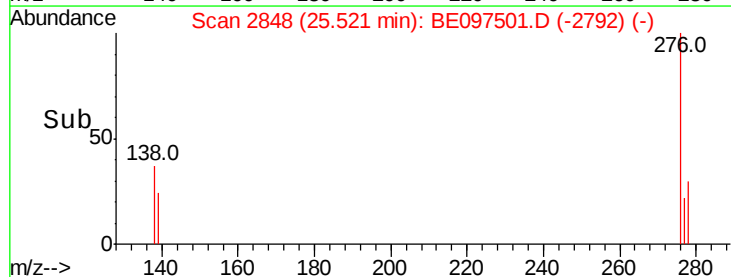
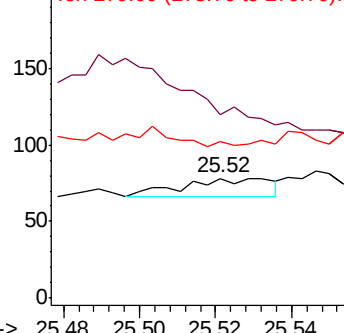
279 130.8 20.0 30.0#

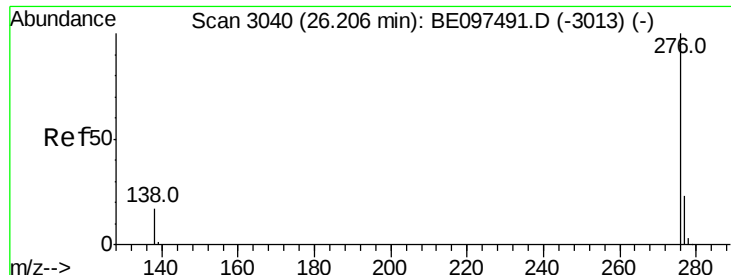


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.007 ng

RT: 26.22 min Scan# 3045

Delta R.T. 0.02 min

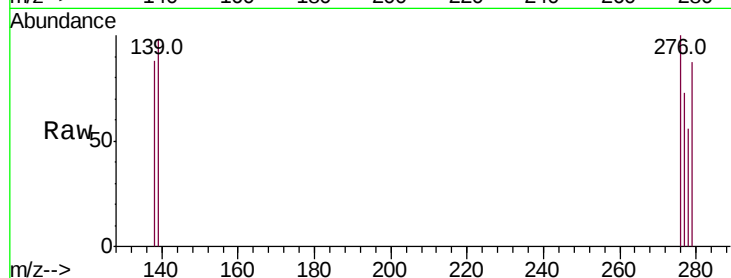
Lab File: BE097501.D

Acq: 17 Sep 2018 18:23

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 168

Ion Ratio Lower Upper

276 100

277 72.6 16.0 24.0#

138 88.5 20.0 30.0#

