

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE101818\
 Data File : BE097977.D
 Acq On : 18 Oct 2018 14:55
 Operator : SJ/JU
 Sample : J5317-16MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 19 01:07:54 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE101618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 16 15:36:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	2268	0.40	ng	-0.01
7) Naphthalene-d8	10.68	136	9983	0.40	ng	-0.01
13) Acenaphthene-d10	14.54	164	6952	0.40	ng	-0.01
19) Phenanthrene-d10	17.29	188	19706	0.40	ng	-0.01
27) Chrysene-d12	21.48	240	22711	0.40	ng	-0.01
34) Perylene-d12	24.03	264	22380	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.45	112	1399	0.20	ng	-0.01
5) Phenol-d6	7.04	99	1241	0.12	ng	-0.01
8) Nitrobenzene-d5	9.03	82	3658	0.39	ng	-0.01
11) 2-Methylnaphthalene-d10	12.28	152	8218	0.49	ng	-0.01
14) 2,4,6-Tribromophenol	16.03	330	1487	0.40	ng	-0.01
15) 2-Fluorobiphenyl	13.16	172	10384	0.37	ng	-0.01
25) Fluoranthene-d10	19.32	212	102823	0.39	ng	-0.01
29) Terphenyl-d14	19.92	244	20020	0.38	ng	-0.01

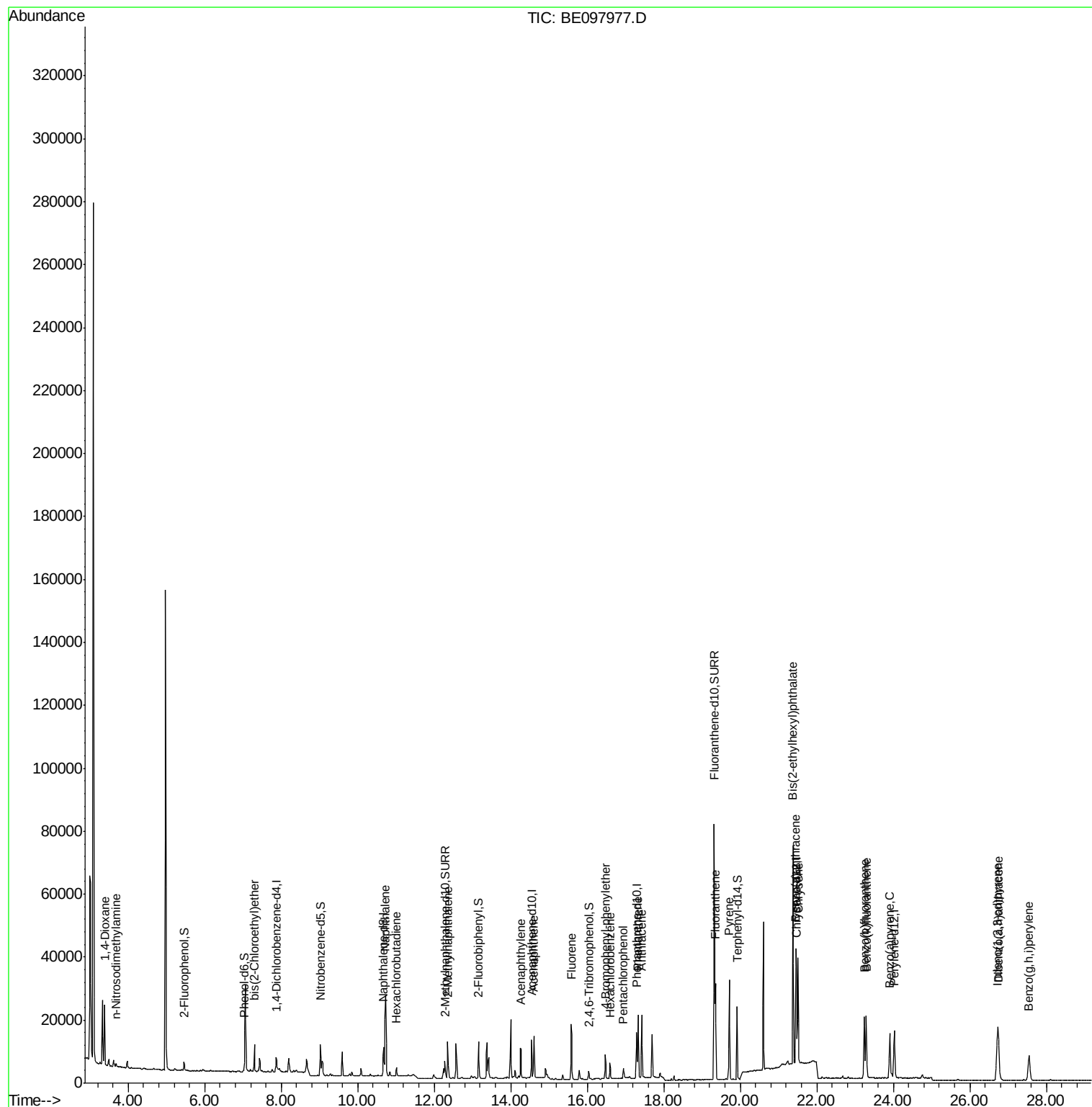
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.38	88	11663	2.949	ng	95
3) n-Nitrosodimethylamine	3.69	42	606	0.137	ng	# 81
6) bis(2-Chloroethyl)ether	7.30	93	3105	0.346	ng	96
9) Naphthalene	10.73	128	42165	0.424	ng	100
10) Hexachlorobutadiene	11.02	225	1839	0.343	ng	98
12) 2-Methylnaphthalene	12.35	142	7571	0.445	ng	95
16) Acenaphthylene	14.27	152	13148	0.409	ng	99
17) Acenaphthene	14.60	154	7669	0.391	ng	100
18) Fluorene	15.58	166	11317	0.419	ng	100
20) 4-Bromophenyl-phenylether	16.48	248	4097	0.380	ng	94
21) Hexachlorobenzene	16.59	284	3981	0.376	ng	97
22) Pentachlorophenol	16.94	266	1973	0.694	ng	97
23) Phenanthrene	17.33	178	20968	0.419	ng	98
24) Anthracene	17.42	178	19874	0.420	ng	100
26) Fluoranthene	19.35	202	27082	0.412	ng	98
28) Pyrene	19.71	202	27503	0.420	ng	99
30) Benzo(a)anthracene	21.45	228	29442	0.423	ng	98
31) Chrysene	21.51	228	27950	0.424	ng	98
32) Bis(2-ethylhexyl)phthalate	21.38	149	76247	0.498	ng	100
33) Indeno(1,2,3-cd)pyrene	26.72	276	27732	0.373	ng	99
35) Benzo(b)fluoranthene	23.24	252	27222	0.423	ng	# 92
36) Benzo(k)fluoranthene	23.29	252	27203	0.405	ng	# 92
37) Benzo(a)pyrene	23.91	252	23871	0.380	ng	# 92
38) Dibenzo(a,h)anthracene	26.74	278	23733	0.386	ng	94
39) Benzo(g,h,i)perylene	27.55	276	20236	0.321	ng	94

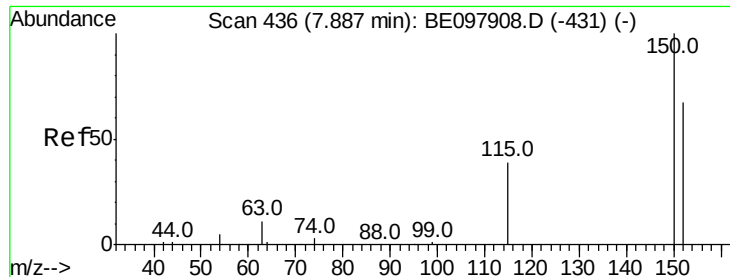
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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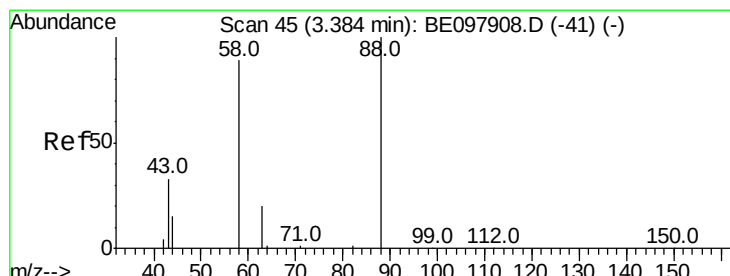
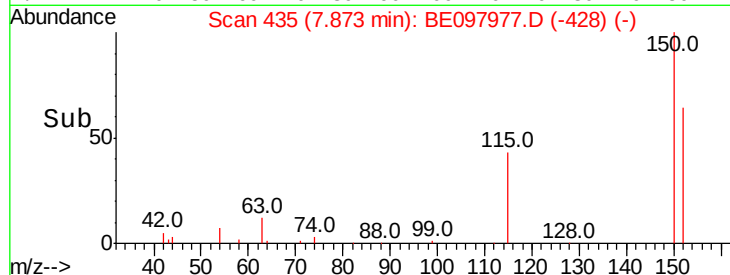
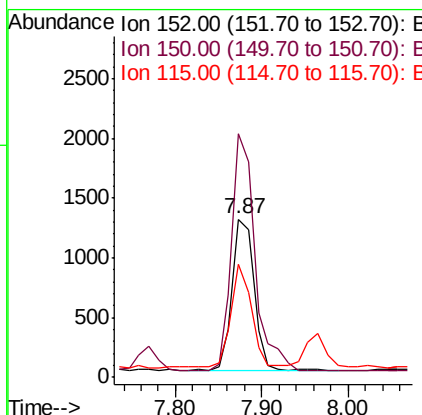
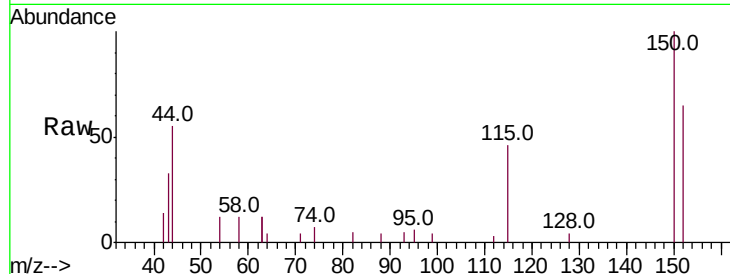




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.87 min Scan# 435
 Delta R.T. -0.01 min
 Lab File: BE097977.D
 Acq: 18 Oct 2018 14:55

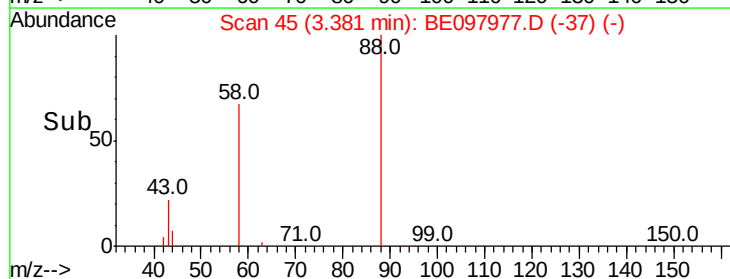
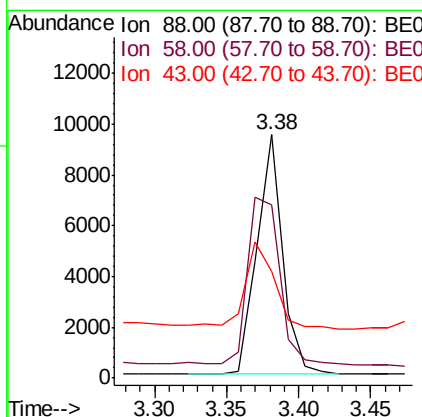
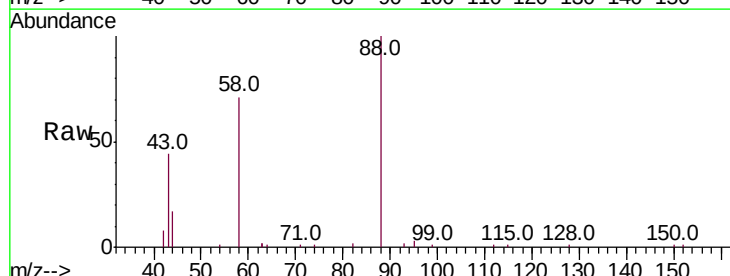
Instrument :
 BNA_E
 ClientSampled :

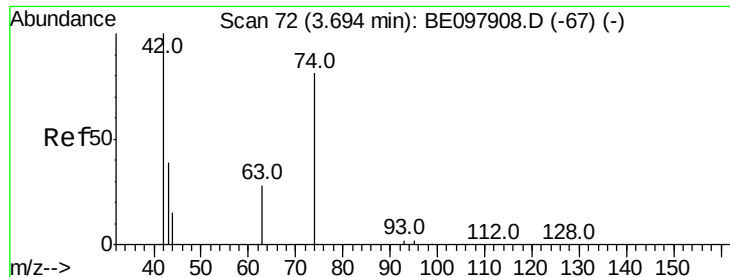
Tot Ion:152 Resp: 2268
 Ion Ratio Lower Upper
 152 100
 150 153.9 118.2 177.4
 115 71.3 50.9 76.3



#2
 1,4-Dioxane
 Concen: 2.949 ng
 RT: 3.38 min Scan# 45
 Delta R.T. -0.00 min
 Lab File: BE097977.D
 Acq: 18 Oct 2018 14:55

Tgt Ion: 88 Resp: 11663
 Ion Ratio Lower Upper
 88 100
 58 86.3 73.2 109.8
 43 42.4 36.9 55.3





#3

n-Nitrosodimethylamine

Concen: 0.137 ng

RT: 3.69 min Scan# 72

Delta R.T. -0.00 min

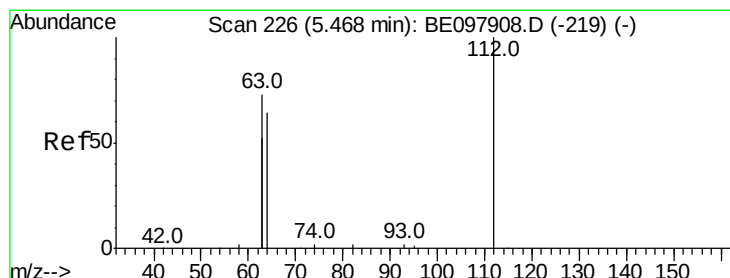
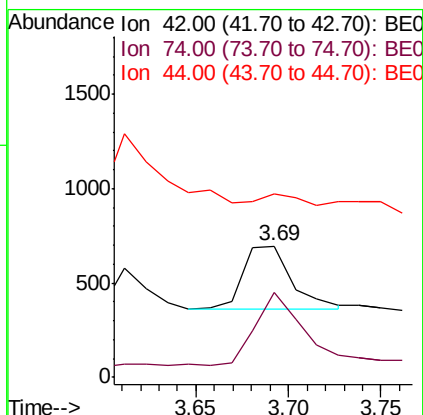
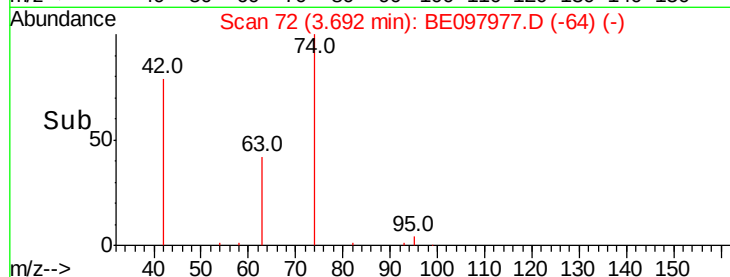
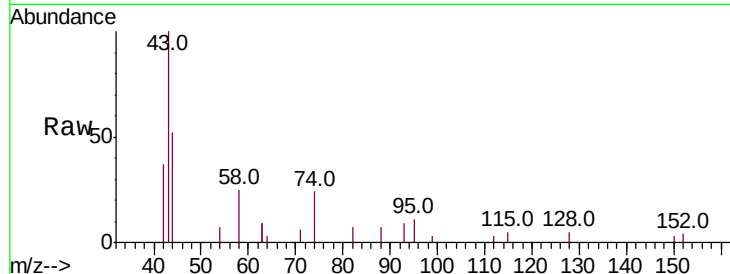
Lab File: BE097977.D

Acq: 18 Oct 2018 14:55

Instrument :
BNA_E
ClientSampled :

Tot Ion: 42 Resp: 606

Ion	Ratio	Lower	Upper
42	100		
74	116.8	77.6	116.4#
44	11.7	7.6	11.4#



#4

2-Fluorophenol

Concen: 0.196 ng

RT: 5.45 min Scan# 225

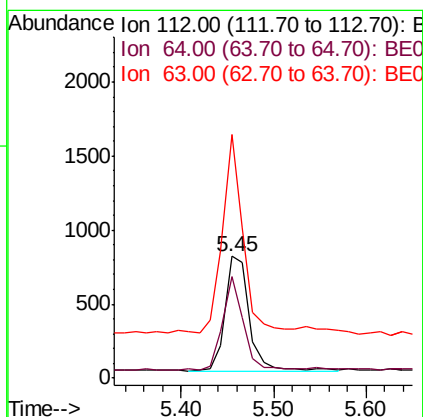
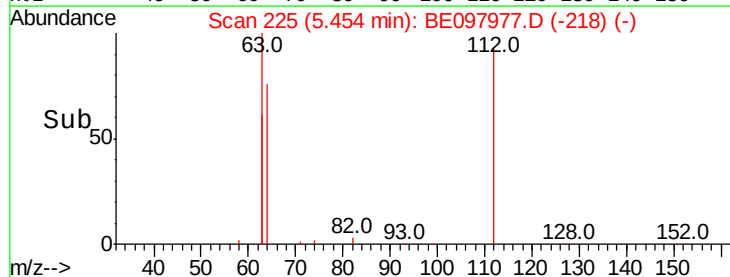
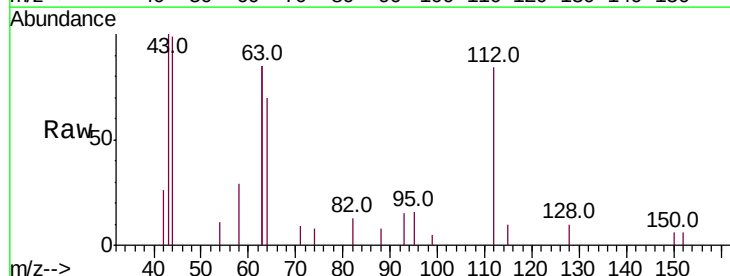
Delta R.T. -0.01 min

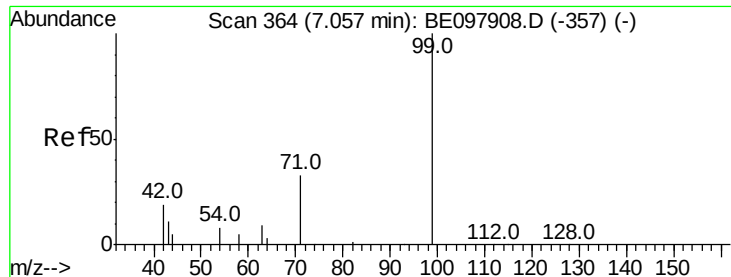
Lab File: BE097977.D

Acq: 18 Oct 2018 14:55

Tgt Ion: 112 Resp: 1399

Ion	Ratio	Lower	Upper
112	100		
64	69.5	58.9	88.3
63	144.2	120.3	180.5





#5

Phenol-d6

Concen: 0.117 ng

RT: 7.04 min Scan# 363

Delta R.T. -0.01 min

Lab File: BE097977.D

Acq: 18 Oct 2018 14:55

Instrument :

BNA_E

ClientSampled :

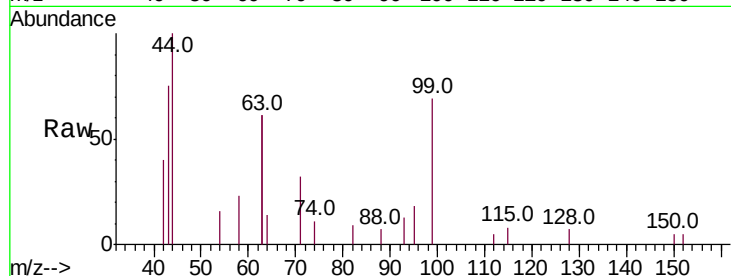
Tot Ion: 99 Resp: 1241

Ion Ratio Lower Upper

99 100

42 0.0 19.9 29.9#

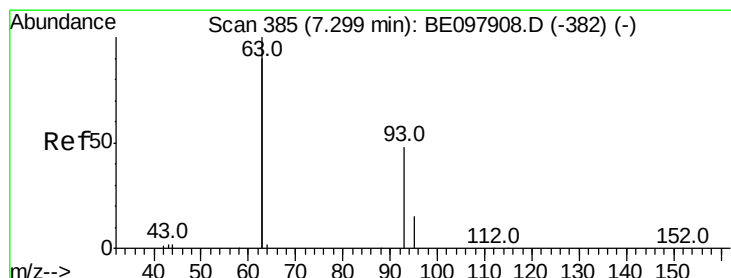
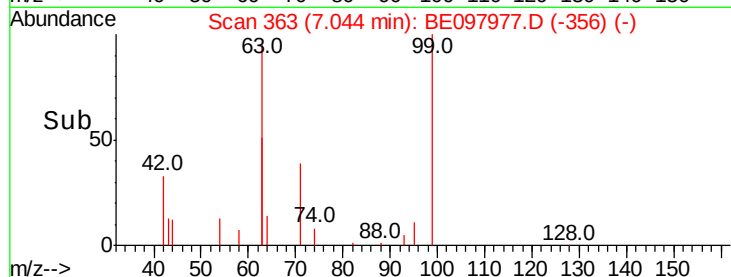
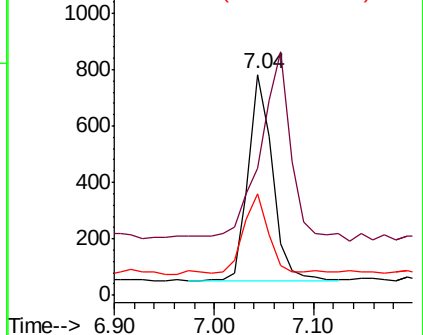
71 39.5 27.8 41.8



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: 0.346 ng

RT: 7.30 min Scan# 385

Delta R.T. -0.00 min

Lab File: BE097977.D

Acq: 18 Oct 2018 14:55

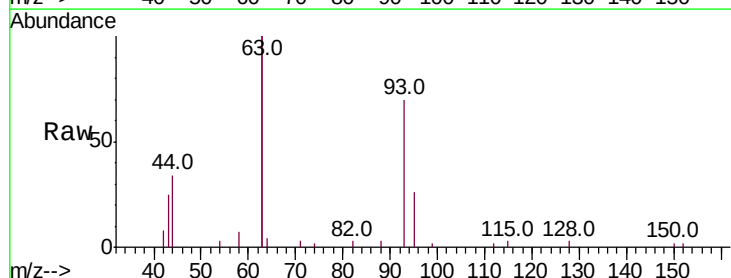
Tgt Ion: 93 Resp: 3105

Ion Ratio Lower Upper

93 100

63 332.3 259.0 388.4

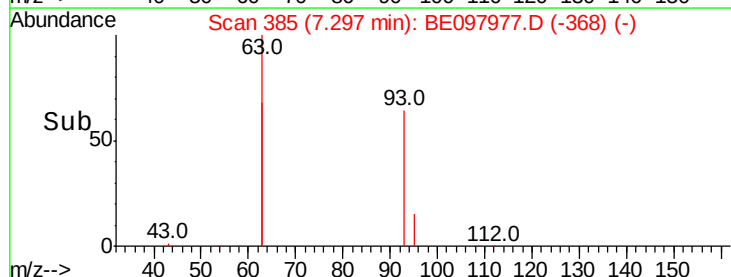
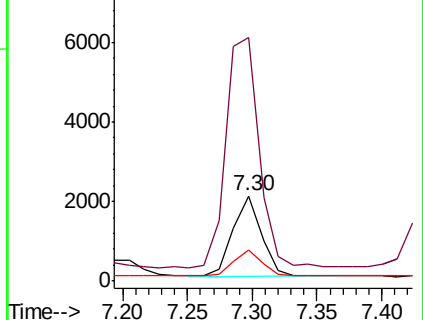
95 33.9 27.8 41.8

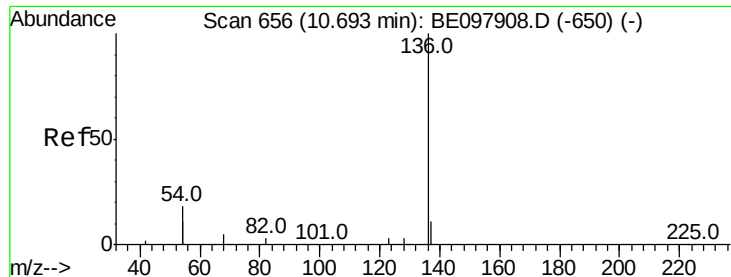


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.68 min Scan# 655

Delta R.T. -0.01 min

Lab File: BE097977.D

Acq: 18 Oct 2018 14:55

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 9983

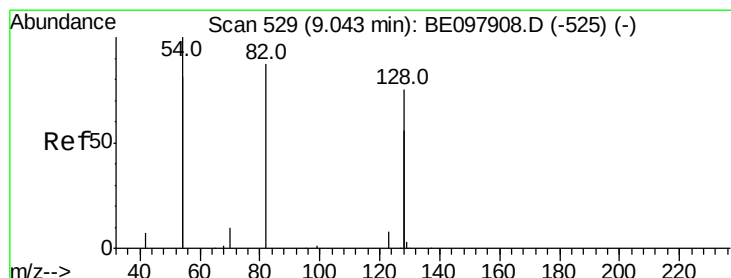
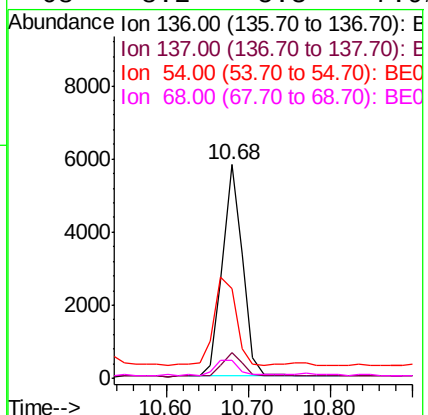
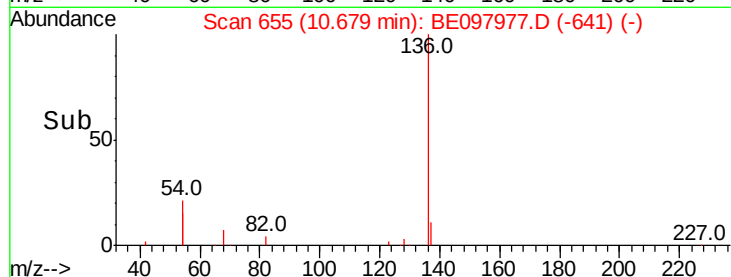
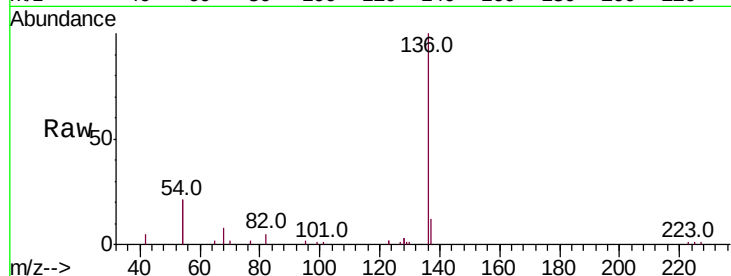
Ion Ratio Lower Upper

136 100

137 11.7 9.6 14.4

54 42.2 27.7 41.5#

68 8.2 5.3 7.9#



#8

Nitrobenzene-d5

Concen: 0.387 ng

RT: 9.03 min Scan# 528

Delta R.T. -0.01 min

Lab File: BE097977.D

Acq: 18 Oct 2018 14:55

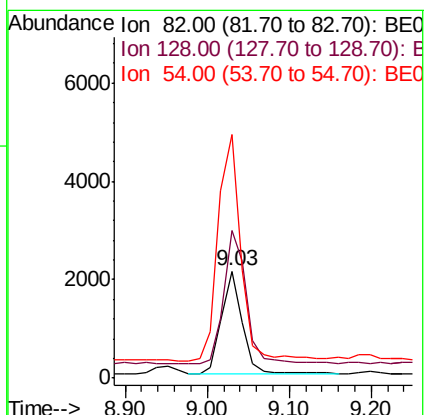
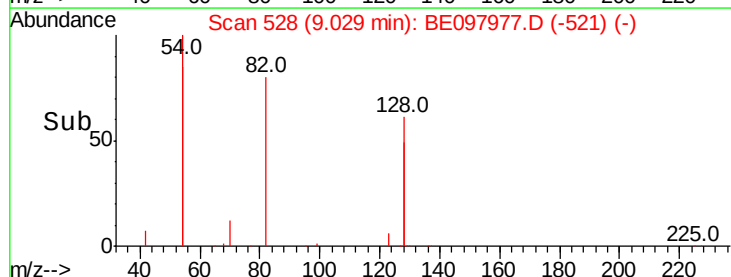
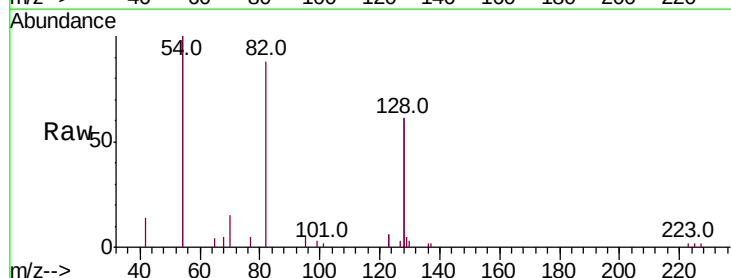
Tgt Ion: 82 Resp: 3658

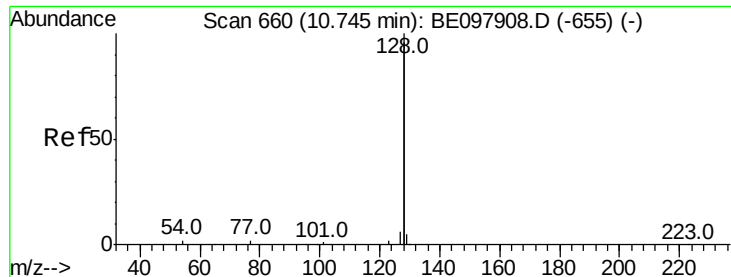
Ion Ratio Lower Upper

82 100

128 138.3 129.9 194.9

54 227.8 174.0 261.0





#9

Naphthalene

Concen: 0.424 ng

RT: 10.73 min Scan# 659

Delta R.T. -0.01 min

Lab File: BE097977.D

Acq: 18 Oct 2018 14:55

Instrument :

BNA_E

ClientSampleId :

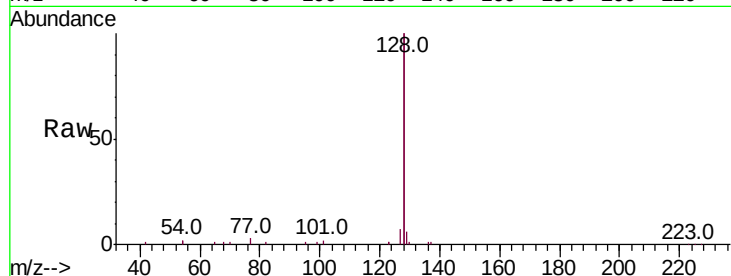
Tot Ion:128 Resp: 42165

Ion Ratio Lower Upper

128 100

129 3.1 2.5 3.7

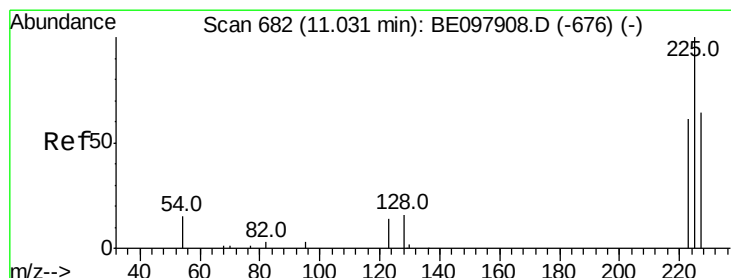
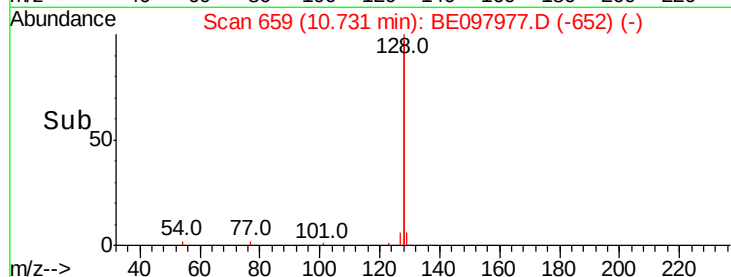
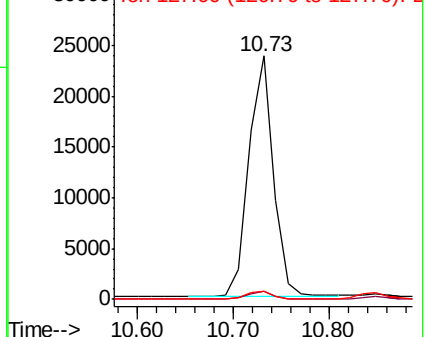
127 3.3 2.8 4.2



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: 0.343 ng

RT: 11.02 min Scan# 681

Delta R.T. -0.01 min

Lab File: BE097977.D

Acq: 18 Oct 2018 14:55

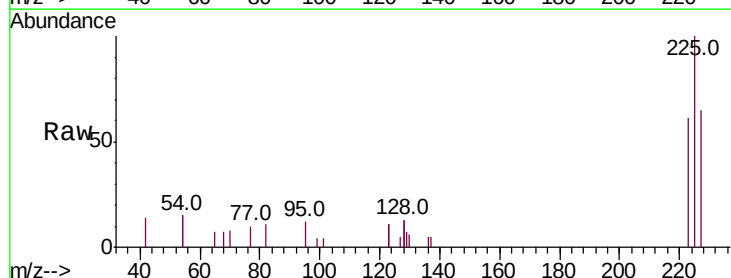
Tgt Ion:225 Resp: 1839

Ion Ratio Lower Upper

225 100

223 62.2 51.8 77.8

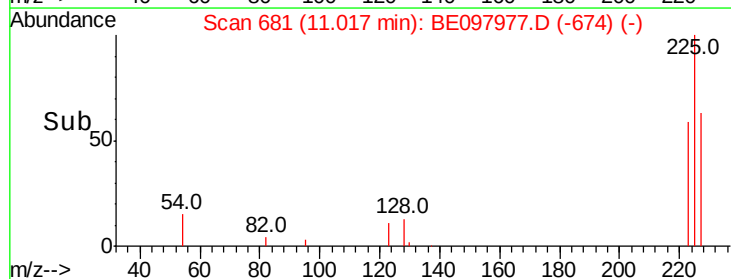
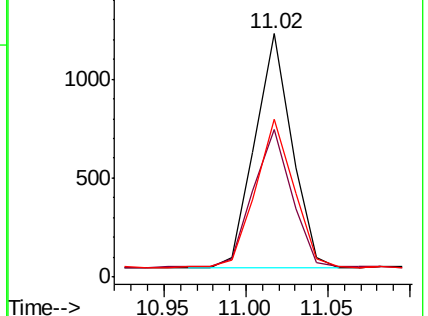
227 66.7 53.0 79.6

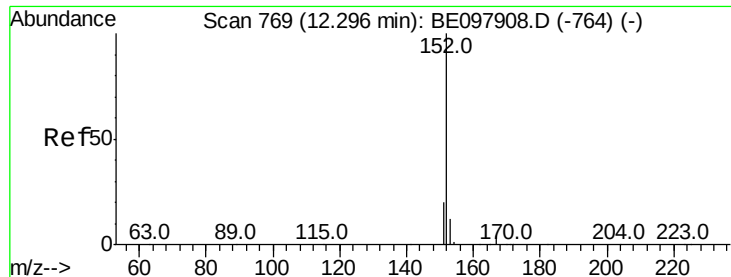


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

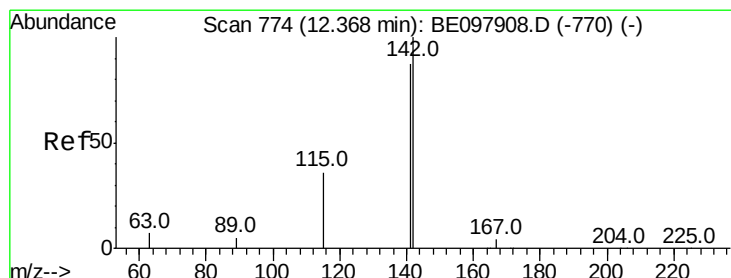
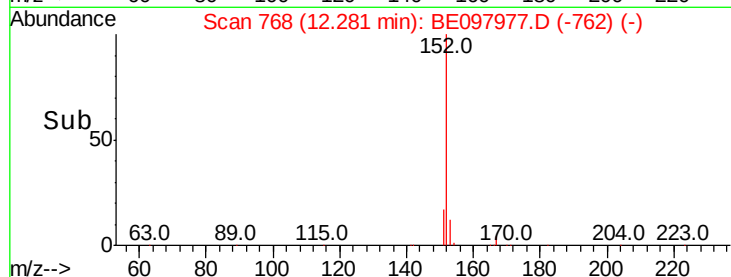
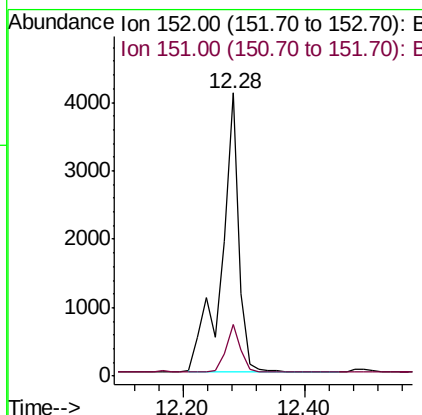
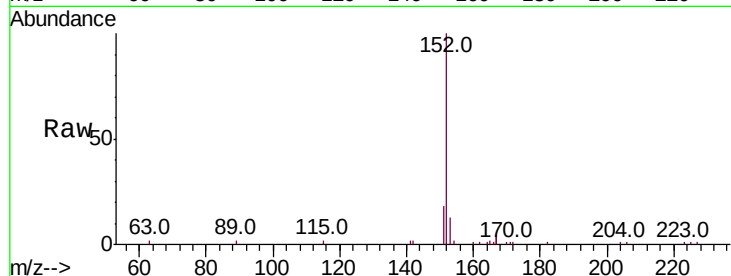




#11
 2-Methylnaphthalene-d10
 Concen: 0.495 ng
 RT: 12.28 min Scan# 768
 Delta R.T. -0.01 min
 Lab File: BE097977.D
 Acq: 18 Oct 2018 14:55

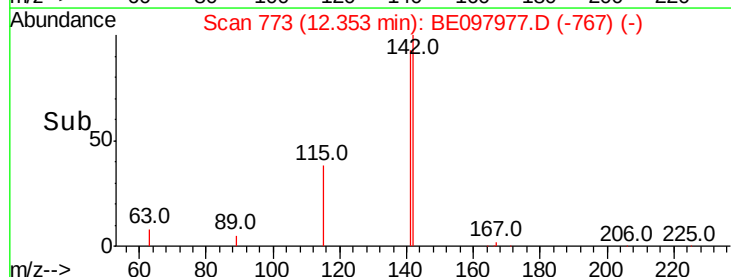
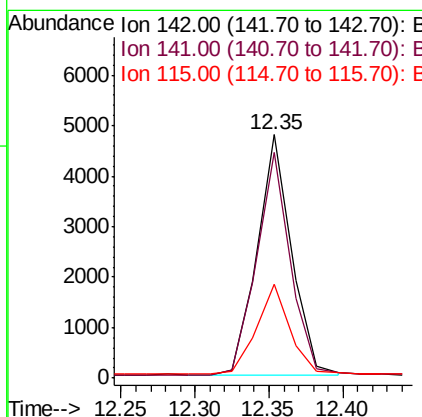
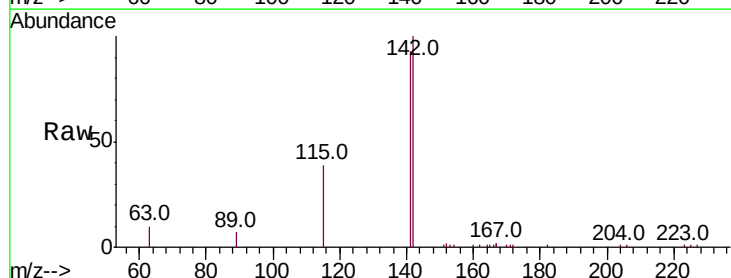
Instrument :
 BNA_E
 ClientSampleId :

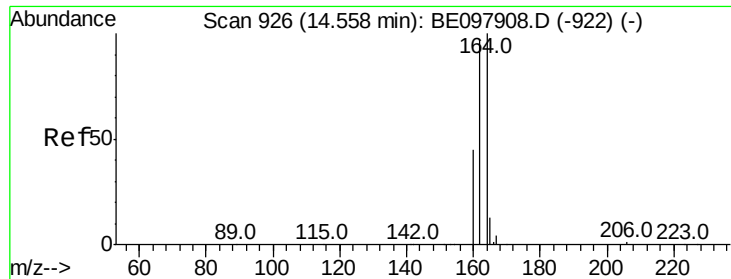
Tot Ion:152 Resp: 8218
 Ion Ratio Lower Upper
 152 100
 151 14.8 16.2 24.4#



#12
 2-Methylnaphthalene
 Concen: 0.445 ng
 RT: 12.35 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: BE097977.D
 Acq: 18 Oct 2018 14:55

Tgt Ion:142 Resp: 7571
 Ion Ratio Lower Upper
 142 100
 141 92.8 69.8 104.6
 115 38.7 30.5 45.7





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.01 min

Lab File: BE097977.D

Acq: 18 Oct 2018 14:55

Instrument :

BNA_E

ClientSampleId :

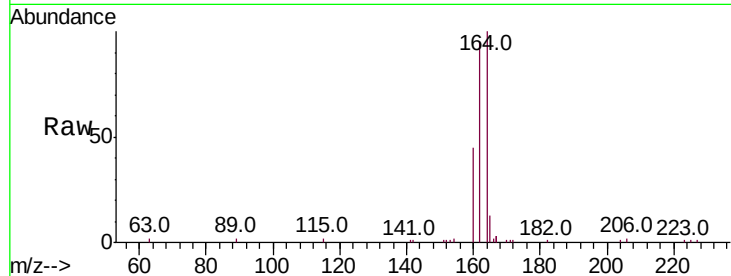
Tot Ion:164 Resp: 6952

Ion Ratio Lower Upper

164 100

162 94.7 77.4 116.2

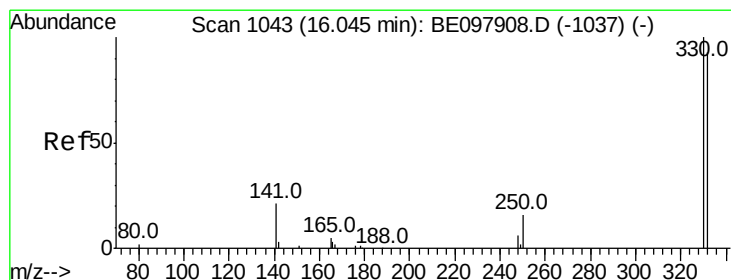
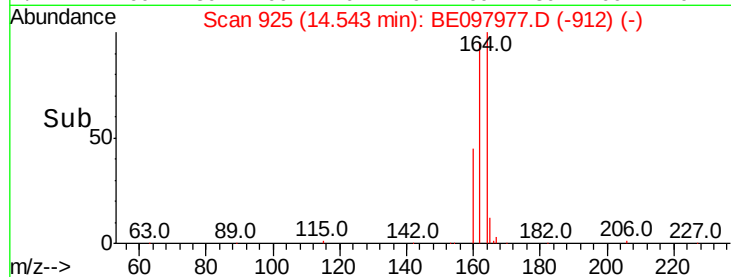
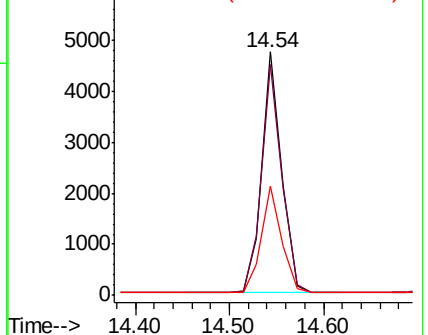
160 45.1 36.5 54.7



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: 0.398 ng

RT: 16.03 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BE097977.D

Acq: 18 Oct 2018 14:55

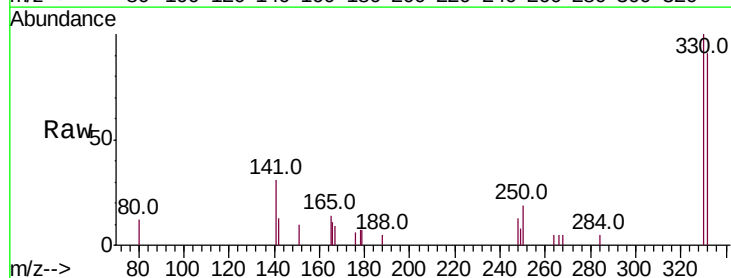
Tgt Ion:330 Resp: 1487

Ion Ratio Lower Upper

330 100

332 92.9 76.5 114.7

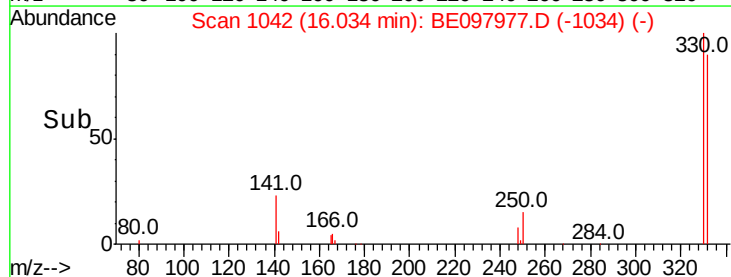
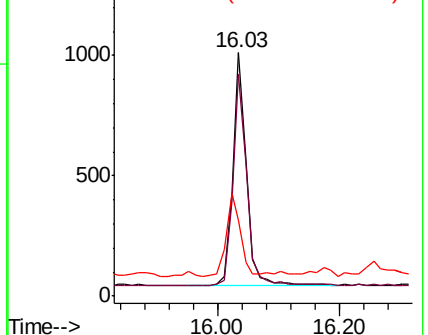
141 36.7 31.8 47.6

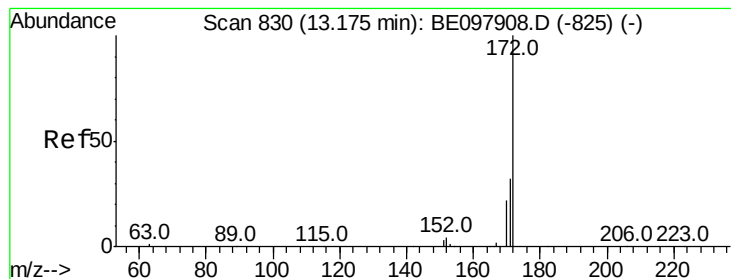


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.366 ng

RT: 13.16 min Scan# 829

Delta R.T. -0.01 min

Lab File: BE097977.D

Acq: 18 Oct 2018 14:55

Instrument :

BNA_E

ClientSampleId :

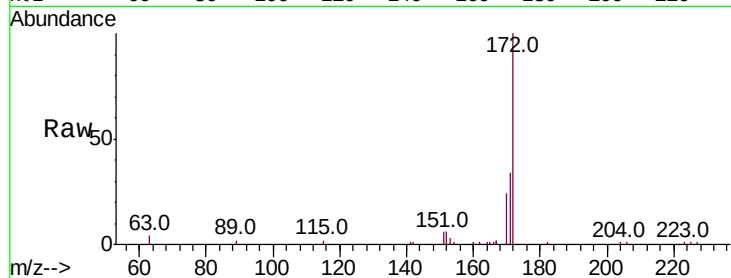
Tot Ion:172 Resp: 10384

Ion Ratio Lower Upper

172 100

171 34.2 26.0 39.0

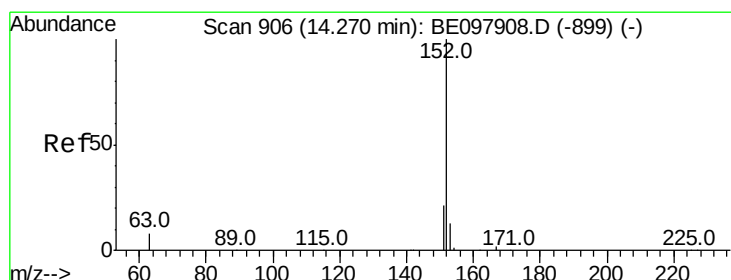
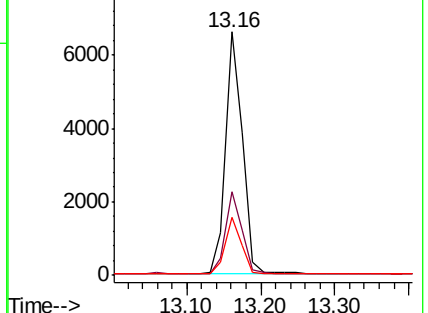
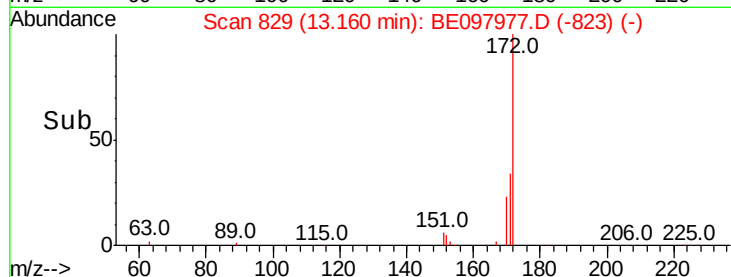
170 23.7 18.0 27.0



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: 0.409 ng

RT: 14.27 min Scan# 906

Delta R.T. -0.00 min

Lab File: BE097977.D

Acq: 18 Oct 2018 14:55

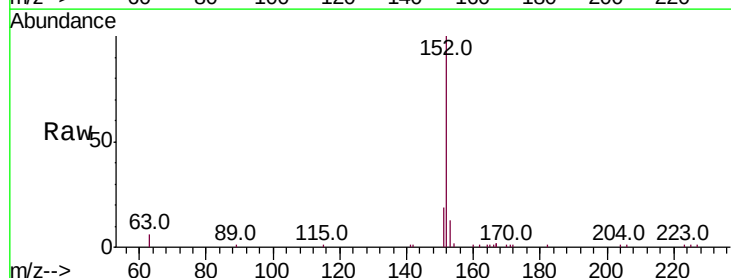
Tgt Ion:152 Resp: 13148

Ion Ratio Lower Upper

152 100

151 19.8 16.1 24.1

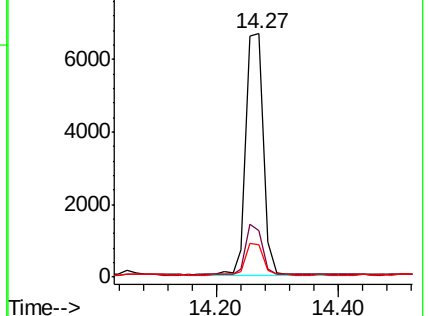
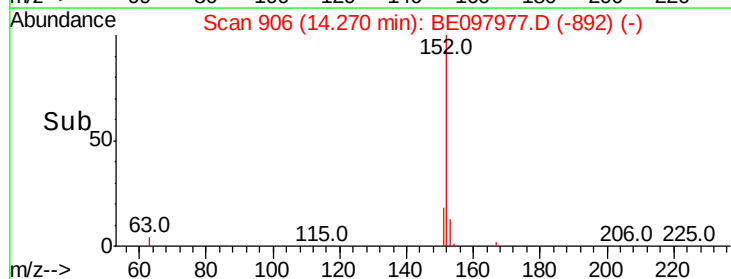
153 13.0 10.9 16.3

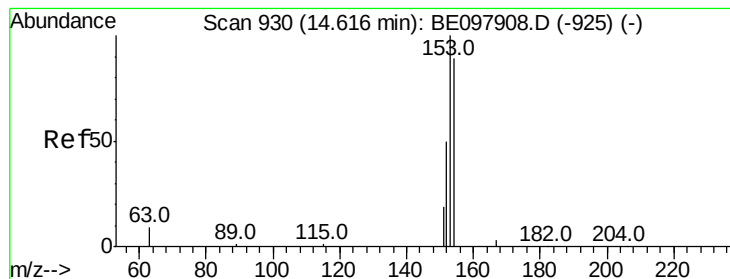


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.391 ng

RT: 14.60 min Scan# 929

Delta R.T. -0.01 min

Lab File: BE097977.D

Acq: 18 Oct 2018 14:55

Instrument :

BNA_E

ClientSampleId :

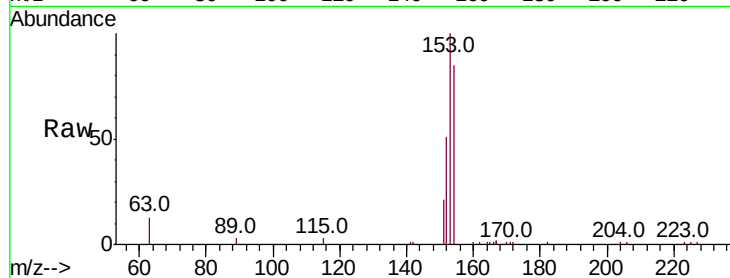
Tot Ion:154 Resp: 7669

Ion Ratio Lower Upper

154 100

153 115.5 92.6 139.0

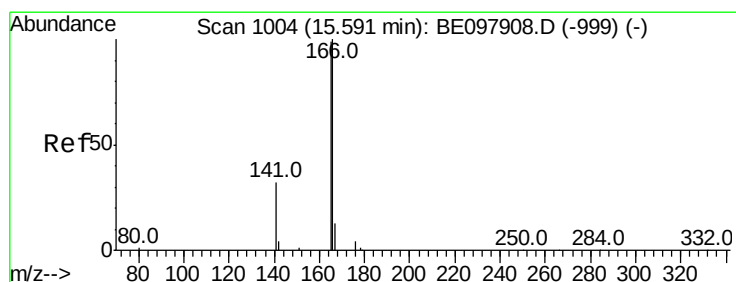
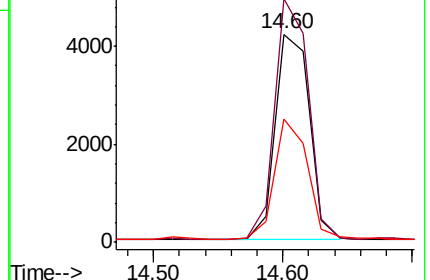
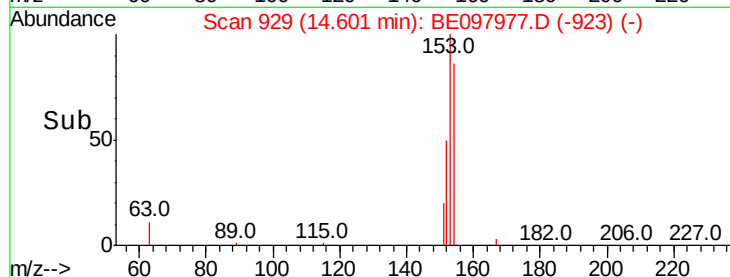
152 56.9 45.5 68.3



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: 0.419 ng

RT: 15.58 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BE097977.D

Acq: 18 Oct 2018 14:55

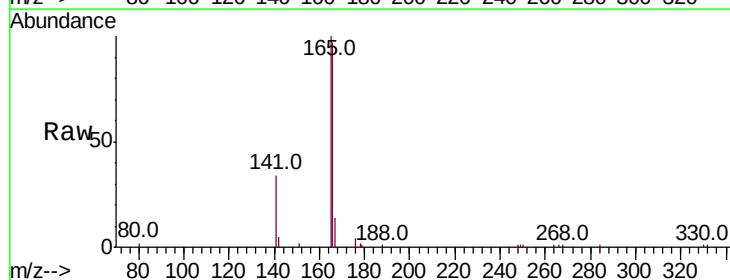
Tgt Ion:166 Resp: 11317

Ion Ratio Lower Upper

166 100

165 97.6 78.2 117.4

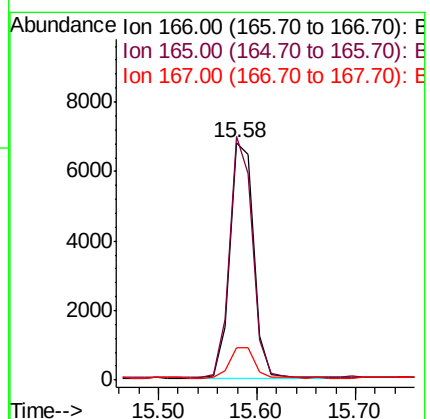
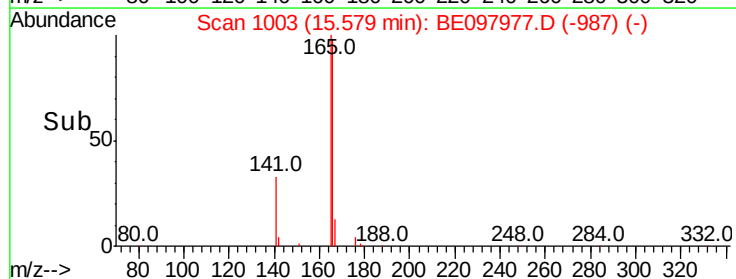
167 13.9 11.0 16.6

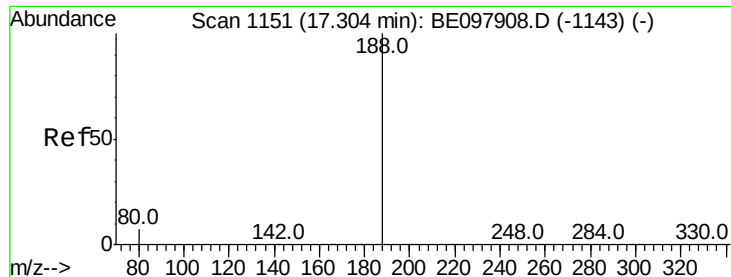


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.29 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BE097977.D

Acq: 18 Oct 2018 14:55

Instrument :

BNA_E

ClientSampleId :

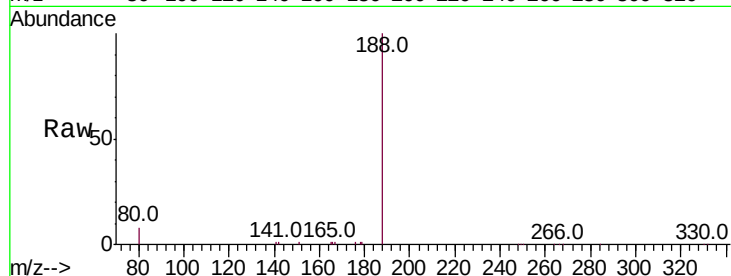
Tot Ion:188 Resp: 19706

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

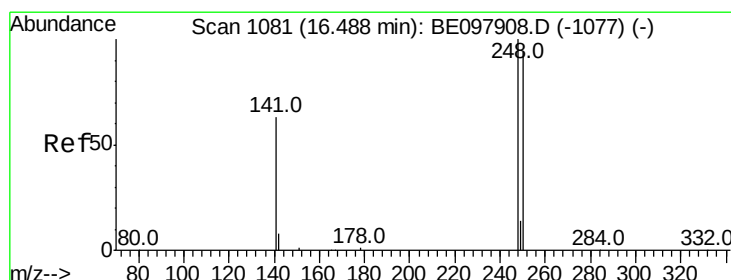
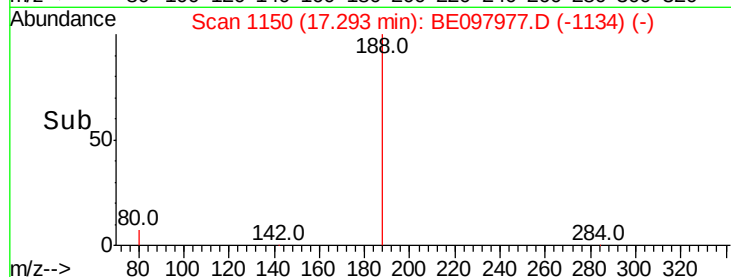
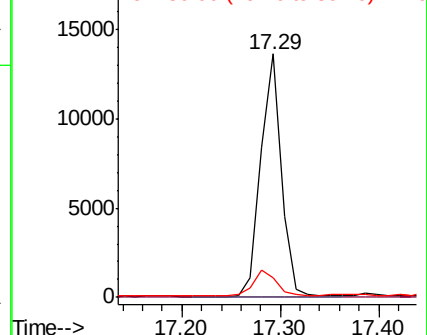
80 8.0 6.3 9.5



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: 0.380 ng

RT: 16.48 min Scan# 1080

Delta R.T. -0.01 min

Lab File: BE097977.D

Acq: 18 Oct 2018 14:55

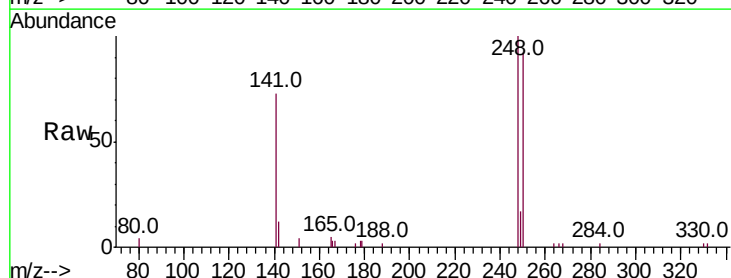
Tgt Ion:248 Resp: 4097

Ion Ratio Lower Upper

248 100

250 92.2 75.1 112.7

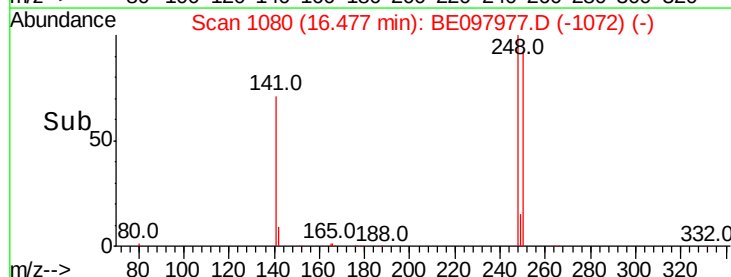
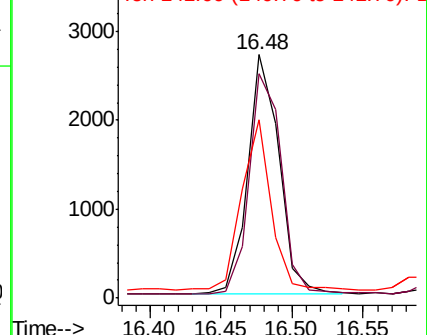
141 73.5 51.8 77.8

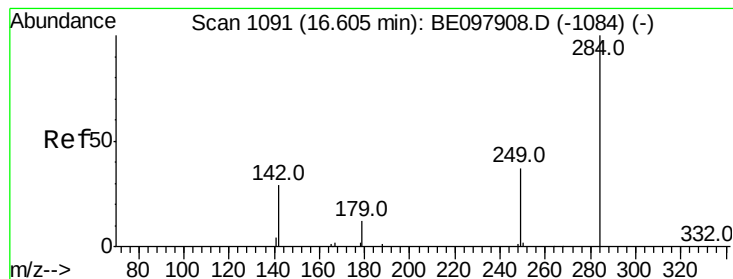


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.376 ng

RT: 16.59 min Scan# 1090

Delta R.T. -0.01 min

Lab File: BE097977.D

Acq: 18 Oct 2018 14:55

Instrument :

BNA_E

ClientSampleId :

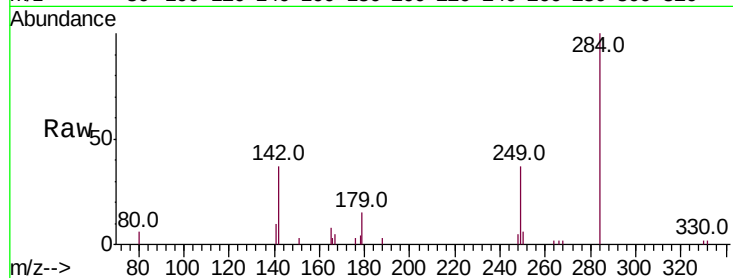
Tot Ion:284 Resp: 3981

Ion Ratio Lower Upper

284 100

142 35.0 25.9 38.9

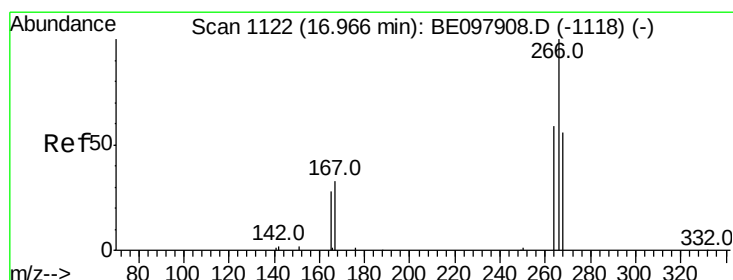
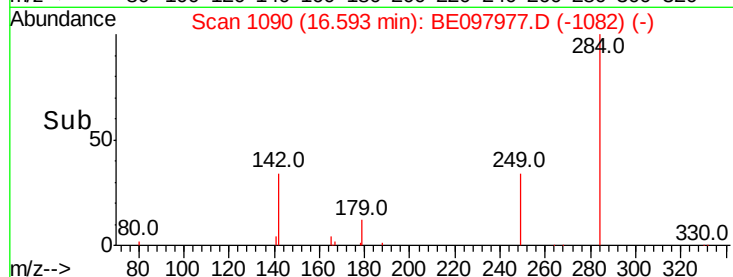
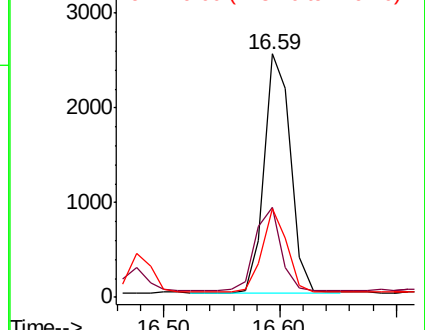
249 32.6 26.6 40.0



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: 0.694 ng

RT: 16.94 min Scan# 1120

Delta R.T. -0.02 min

Lab File: BE097977.D

Acq: 18 Oct 2018 14:55

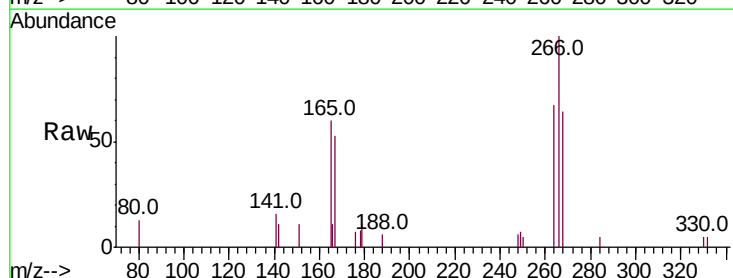
Tgt Ion:266 Resp: 1973

Ion Ratio Lower Upper

266 100

264 67.2 51.3 76.9

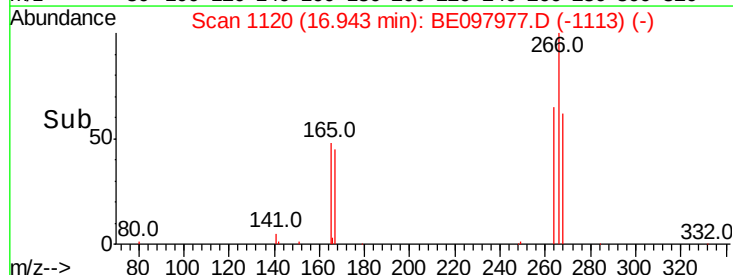
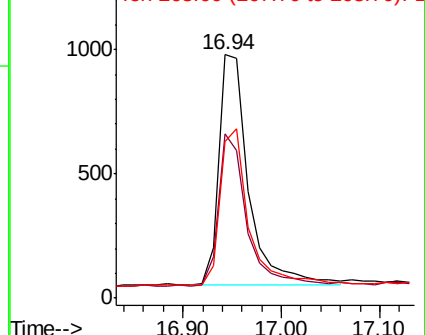
268 64.2 50.1 75.1

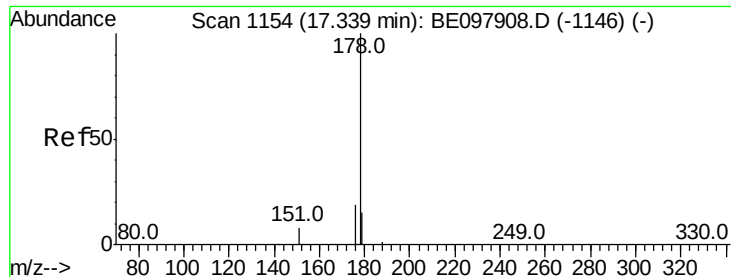


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.419 ng

RT: 17.33 min Scan# 1153

Delta R.T. -0.01 min

Lab File: BE097977.D

Acq: 18 Oct 2018 14:55

Instrument :

BNA_E

ClientSampleId :

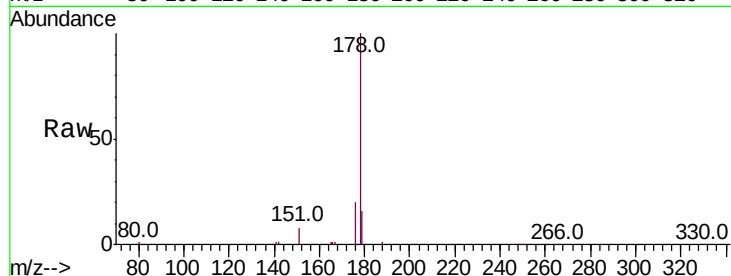
Tot Ion:178 Resp: 20968

Ion Ratio Lower Upper

178 100

176 19.0 15.5 23.3

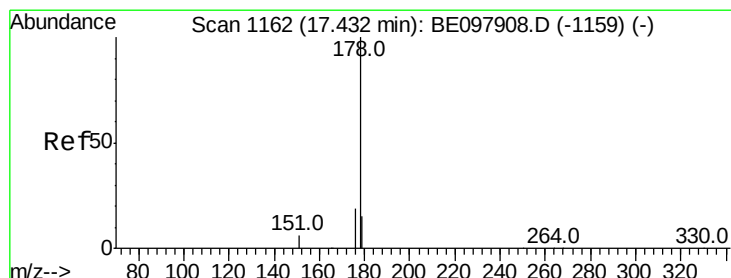
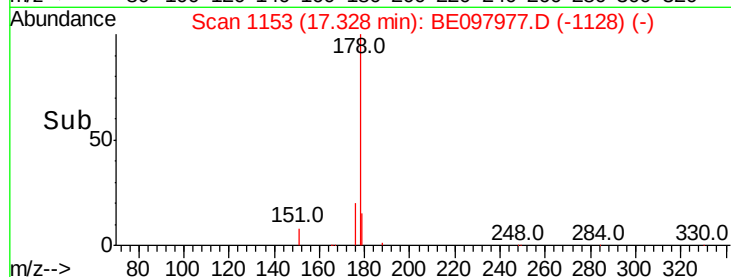
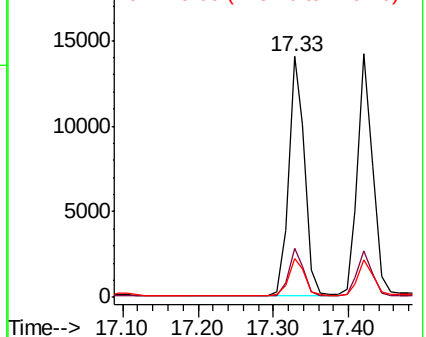
179 16.5 12.2 18.4



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: 0.420 ng

RT: 17.42 min Scan# 1161

Delta R.T. -0.01 min

Lab File: BE097977.D

Acq: 18 Oct 2018 14:55

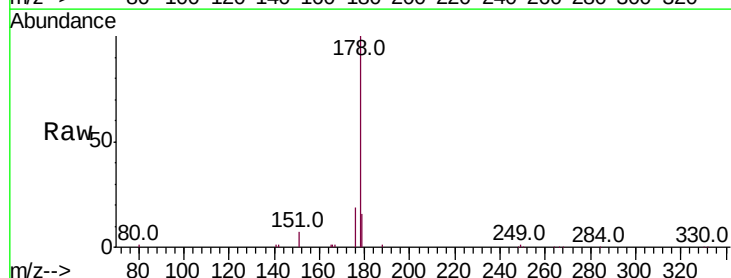
Tgt Ion:178 Resp: 19874

Ion Ratio Lower Upper

178 100

176 18.8 14.9 22.3

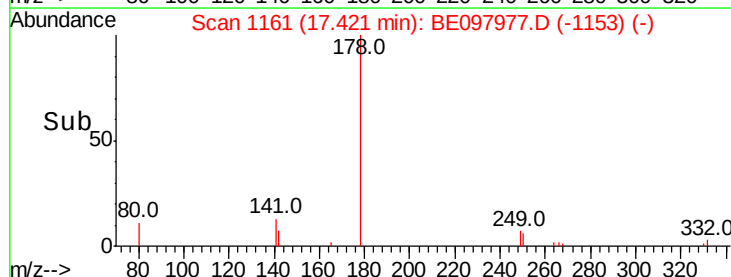
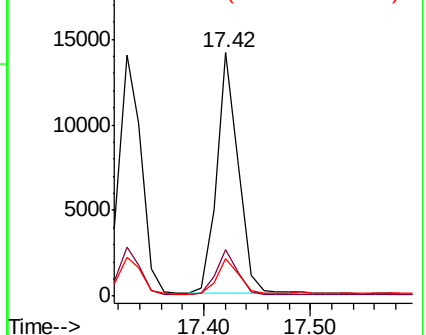
179 15.0 11.9 17.9

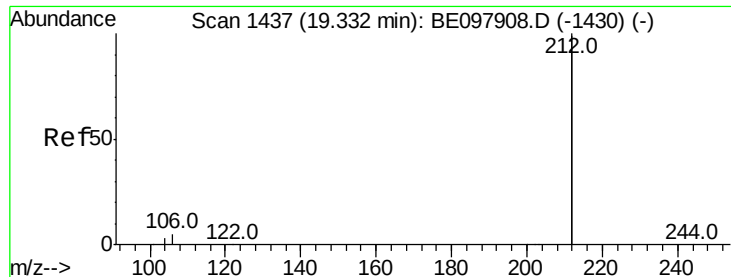


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.385 ng

RT: 19.32 min Scan# 1435

Delta R.T. -0.01 min

Lab File: BE097977.D

Acq: 18 Oct 2018 14:55

Instrument :

BNA_E

ClientSampled :

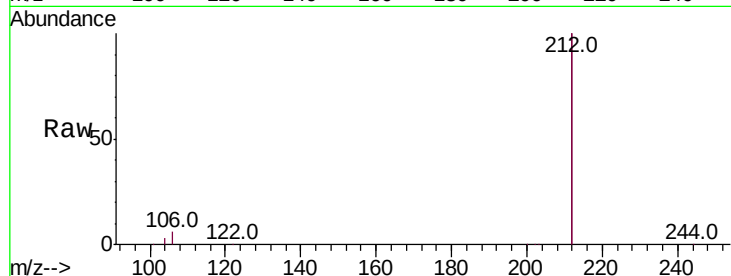
Tot Ion:212 Resp: 102823

Ion Ratio Lower Upper

212 100

106 2.8 2.3 3.5

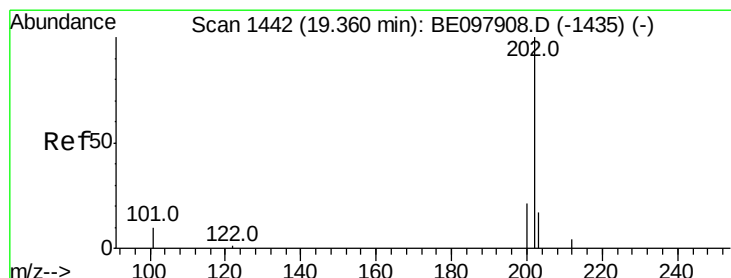
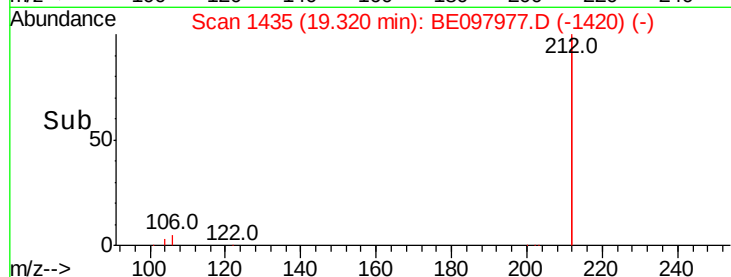
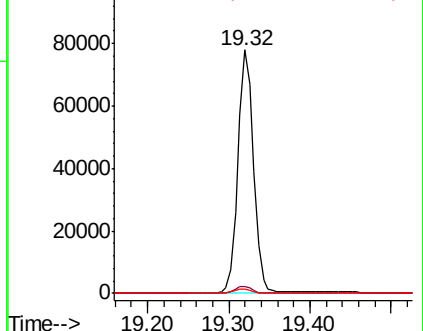
104 1.6 1.3 1.9



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: 0.412 ng

RT: 19.35 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BE097977.D

Acq: 18 Oct 2018 14:55

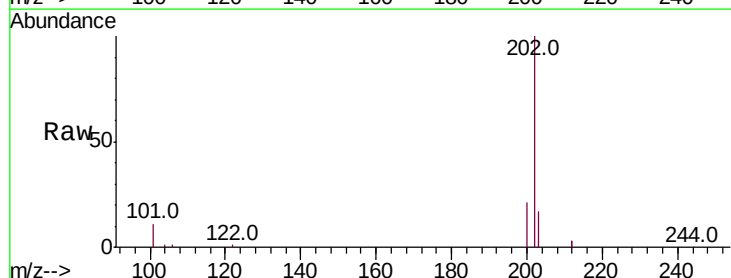
Tgt Ion:202 Resp: 27082

Ion Ratio Lower Upper

202 100

101 10.3 8.2 12.2

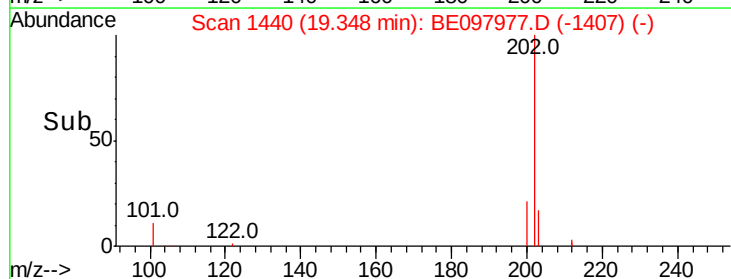
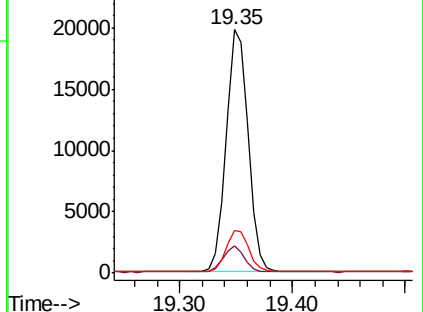
203 17.1 15.0 22.4

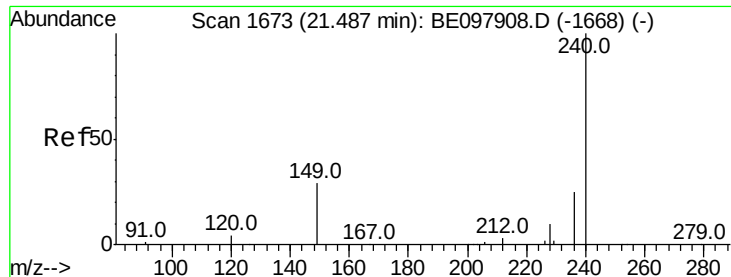


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.48 min Scan# 1672

Delta R.T. -0.01 min

Lab File: BE097977.D

Acq: 18 Oct 2018 14:55

Instrument :

BNA_E

ClientSampleId :

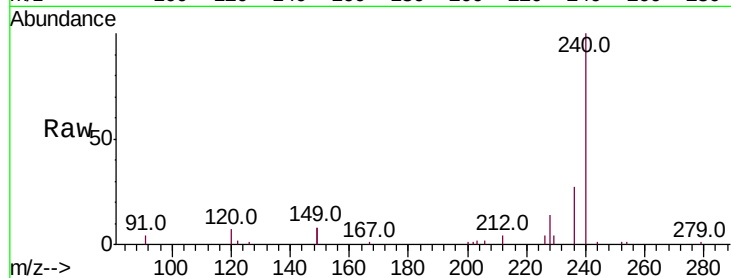
Tot Ion:240 Resp: 22711

Ion Ratio Lower Upper

240 100

120 6.7 7.1 10.7#

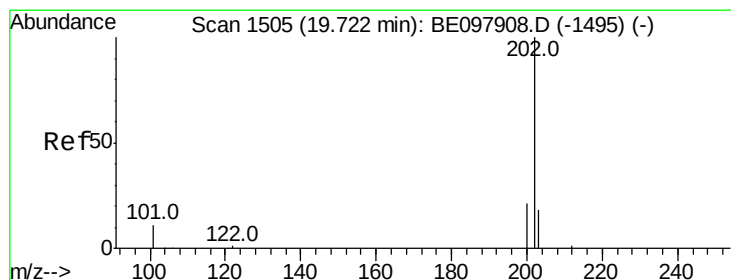
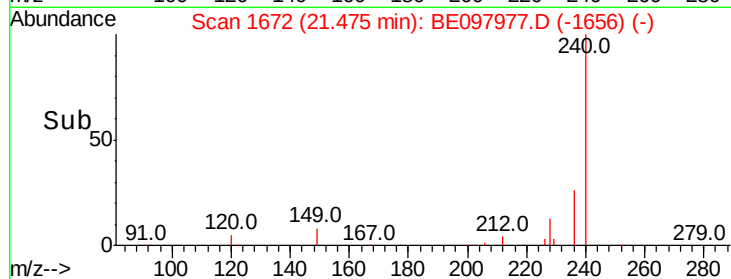
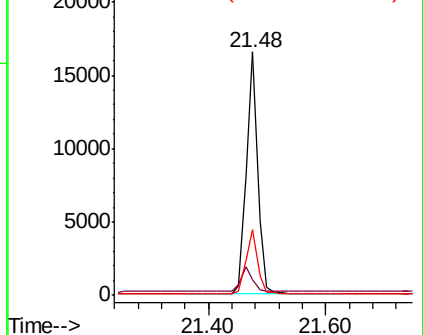
236 27.0 21.3 31.9



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: 0.420 ng

RT: 19.71 min Scan# 1503

Delta R.T. -0.01 min

Lab File: BE097977.D

Acq: 18 Oct 2018 14:55

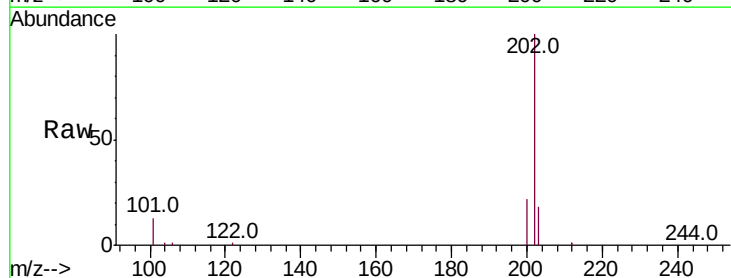
Tgt Ion:202 Resp: 27503

Ion Ratio Lower Upper

202 100

200 21.5 17.0 25.4

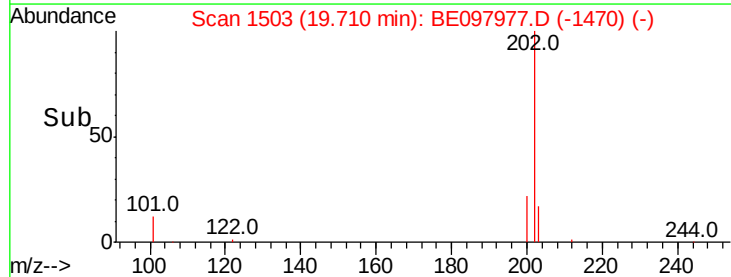
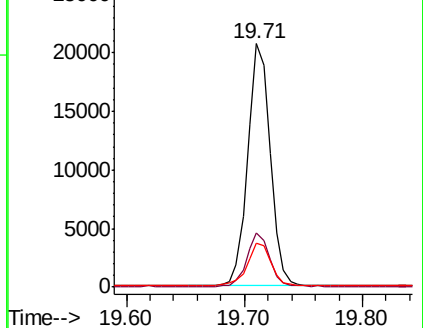
203 18.1 14.2 21.4

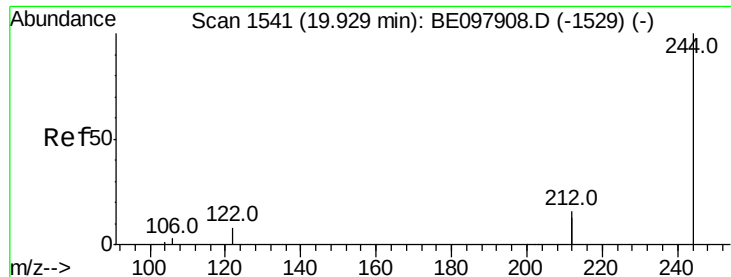


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.385 ng

RT: 19.92 min Scan# 1539

Delta R.T. -0.01 min

Lab File: BE097977.D

Acq: 18 Oct 2018 14:55

Instrument :

BNA_E

ClientSampleId :

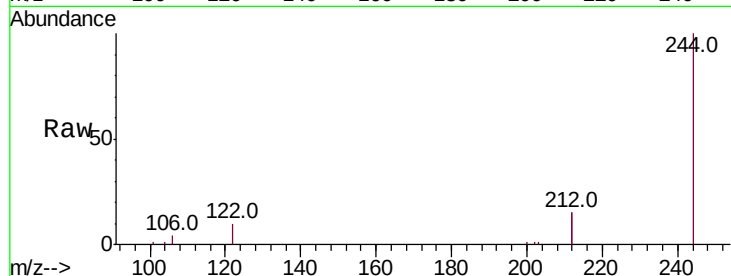
Tot Ion:244 Resp: 20020

Ion Ratio Lower Upper

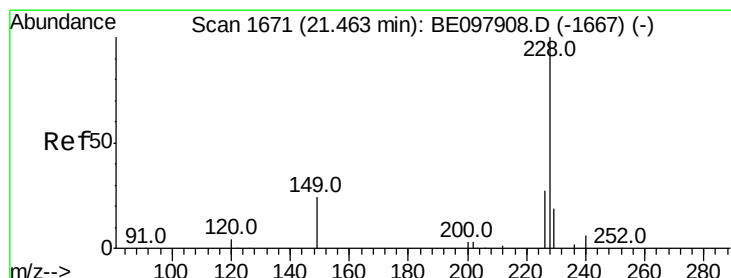
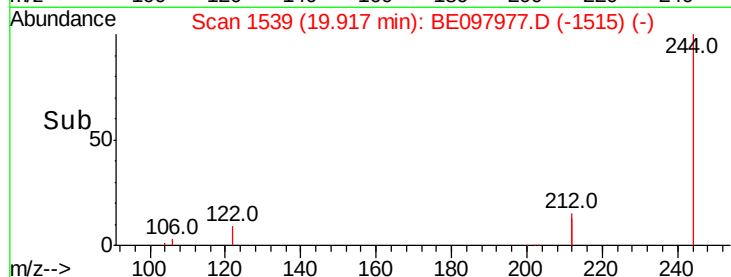
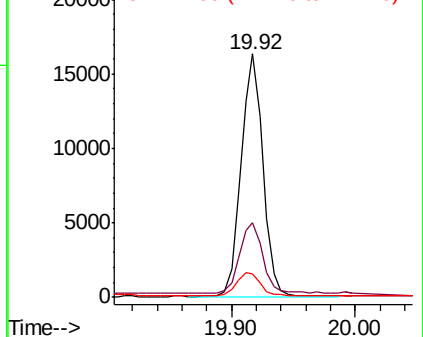
244 100

212 30.9 26.2 39.2

122 9.6 7.7 11.5



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: 0.423 ng

RT: 21.45 min Scan# 1670

Delta R.T. -0.01 min

Lab File: BE097977.D

Acq: 18 Oct 2018 14:55

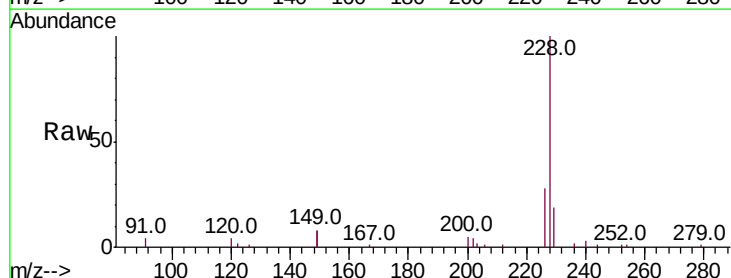
Tgt Ion:228 Resp: 29442

Ion Ratio Lower Upper

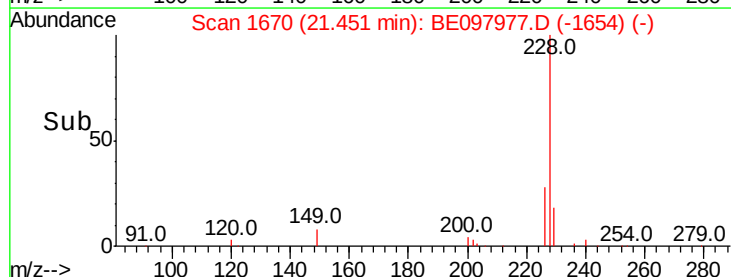
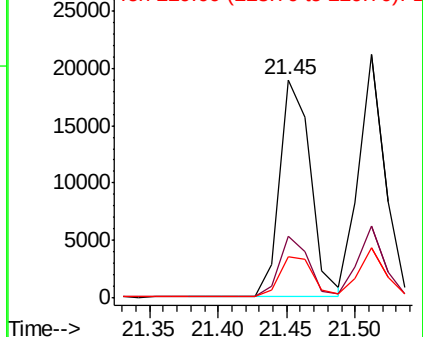
228 100

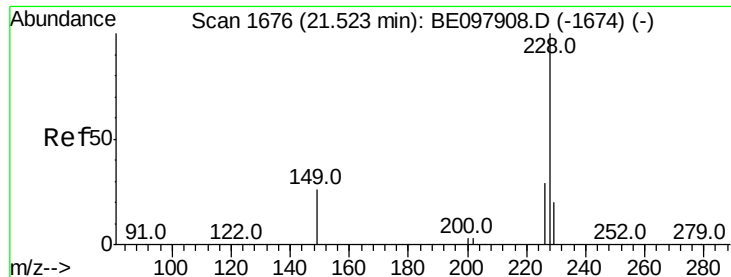
226 28.4 22.6 33.8

229 19.1 16.9 25.3



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: 0.424 ng

RT: 21.51 min Scan# 1675

Delta R.T. -0.01 min

Lab File: BE097977.D

Acq: 18 Oct 2018 14:55

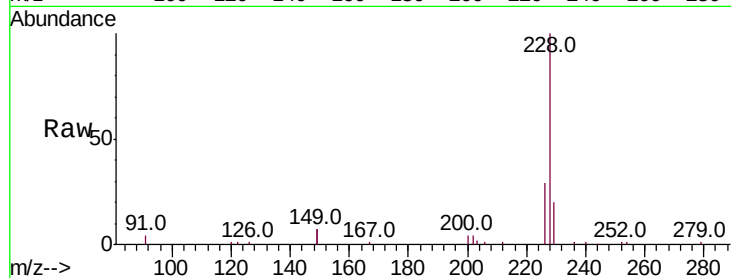
Instrument :

BNA_E

ClientSampled :

Tot Ion:228 Resp: 27950

Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.3	36.5
229	20.5	17.3	25.9

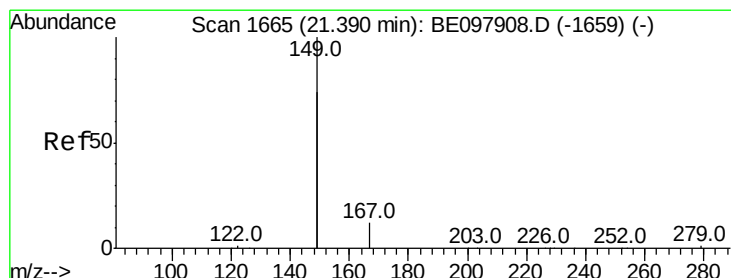
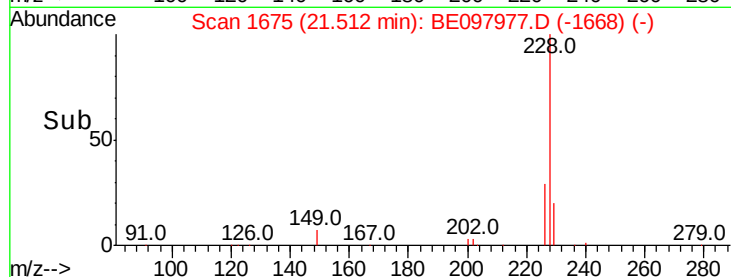
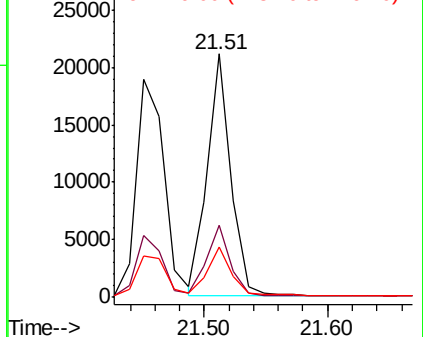


Abundance

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: 0.498 ng

RT: 21.38 min Scan# 1664

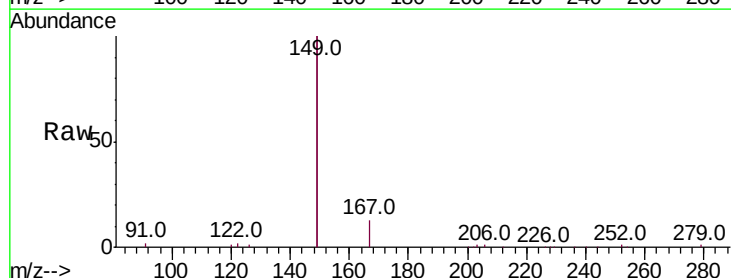
Delta R.T. -0.01 min

Lab File: BE097977.D

Acq: 18 Oct 2018 14:55

Tgt Ion:149 Resp: 76247

Ion	Ratio	Lower	Upper
149	100		
167	6.9	5.6	8.4
279	1.1	0.9	1.3

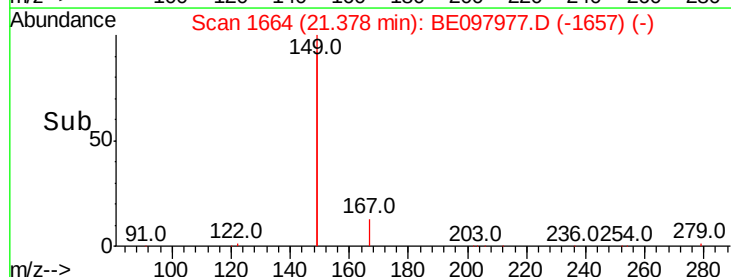
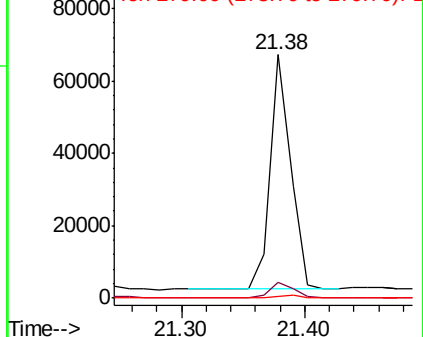


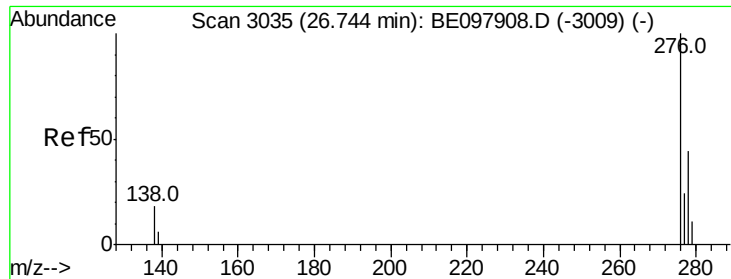
Abundance

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

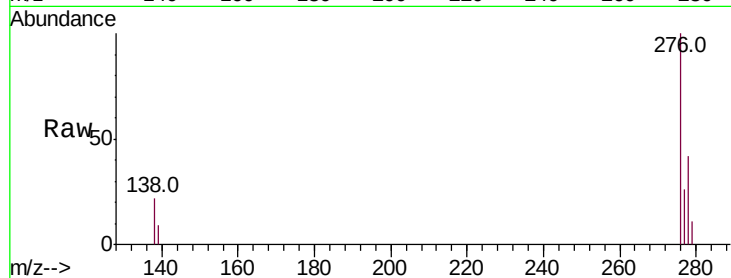




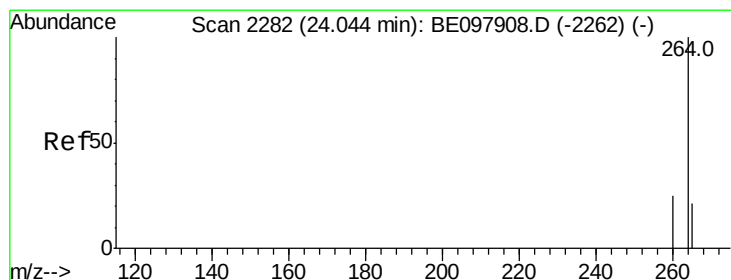
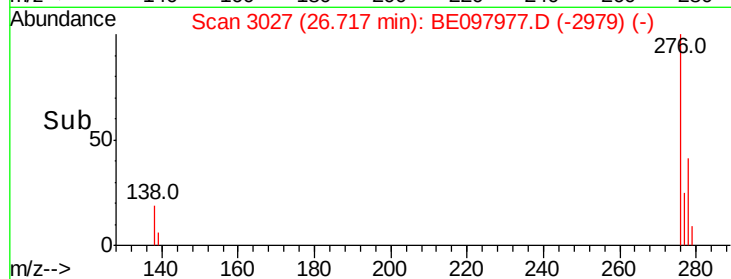
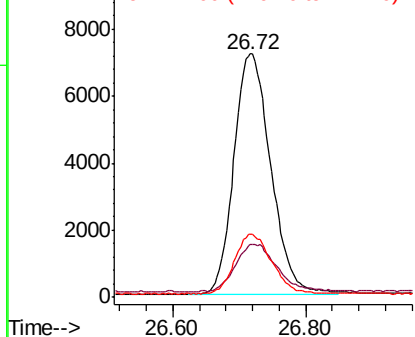
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.373 ng
 RT: 26.72 min Scan# 3027
 Delta R.T. -0.03 min
 Lab File: BE097977.D
 Acq: 18 Oct 2018 14:55

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 27732
 Ion Ratio Lower Upper
 276 100
 138 21.9 17.0 25.6
 277 24.9 20.5 30.7

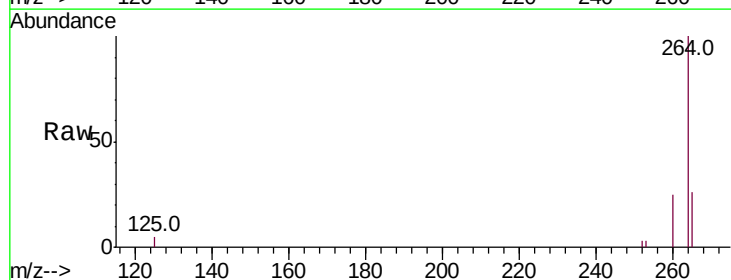


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

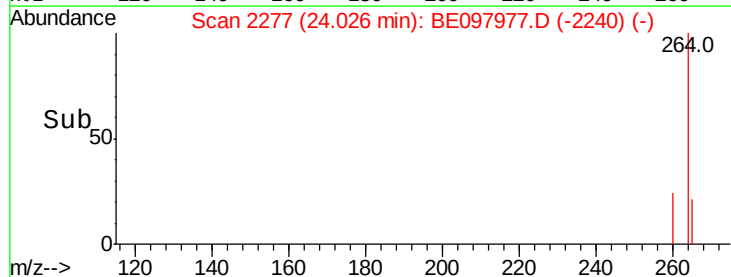
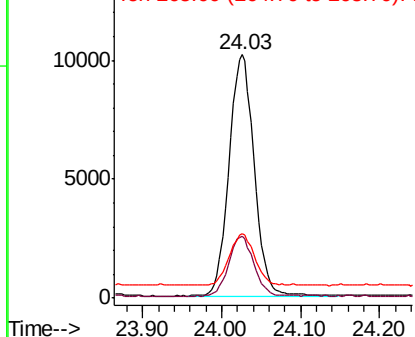


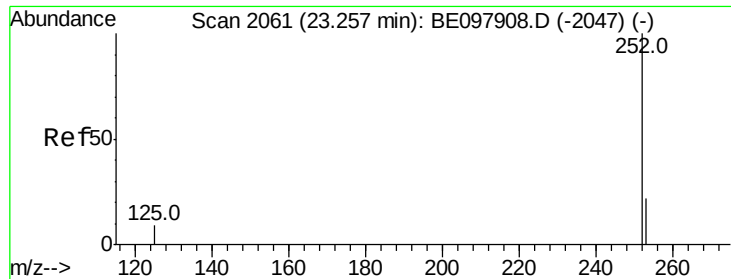
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.03 min Scan# 2277
 Delta R.T. -0.02 min
 Lab File: BE097977.D
 Acq: 18 Oct 2018 14:55

Tgt Ion:264 Resp: 22380
 Ion Ratio Lower Upper
 264 100
 260 25.2 21.1 31.7
 265 26.4 29.2 43.8#



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: 0.423 ng

RT: 23.24 min Scan# 2057

Delta R.T. -0.01 min

Lab File: BE097977.D

Acq: 18 Oct 2018 14:55

Instrument :

BNA_E

ClientSampleId :

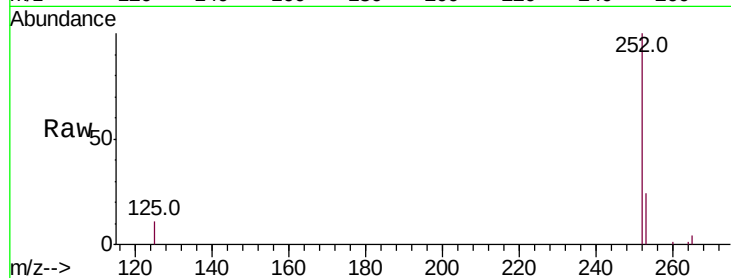
Tot Ion:252 Resp: 27222

Ion Ratio Lower Upper

252 100

253 23.9 20.6 31.0

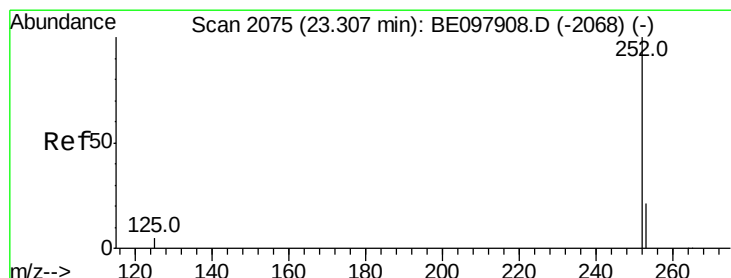
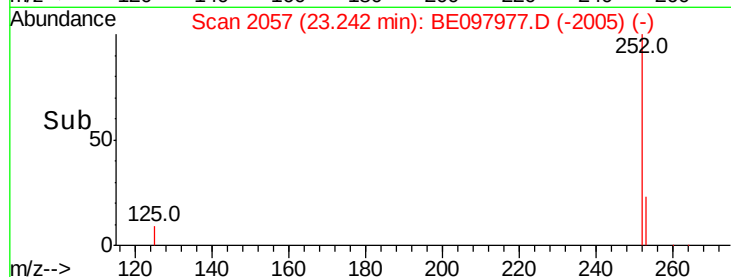
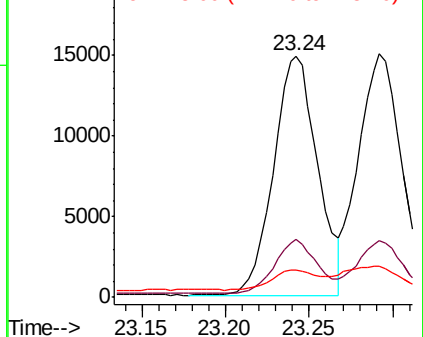
125 11.5 14.3 21.5#



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



#36

Benzo(k)fluoranthene

Concen: 0.405 ng

RT: 23.29 min Scan# 2071

Delta R.T. -0.01 min

Lab File: BE097977.D

Acq: 18 Oct 2018 14:55

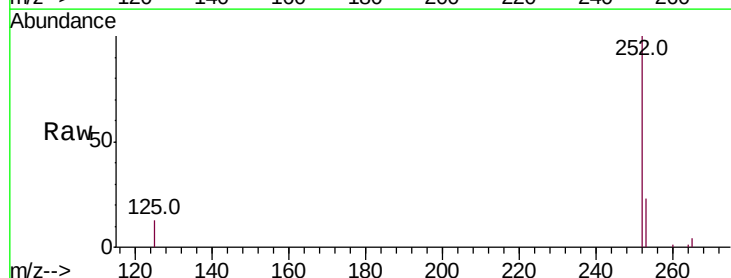
Tgt Ion:252 Resp: 27203

Ion Ratio Lower Upper

252 100

253 23.3 20.4 30.6

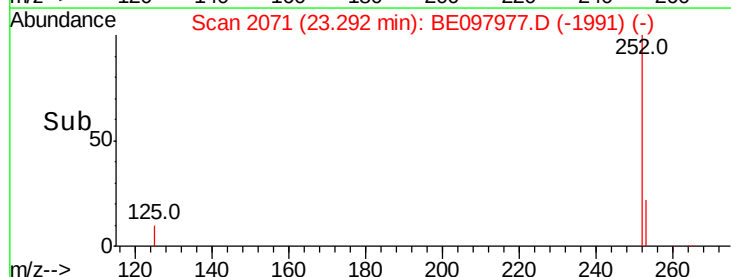
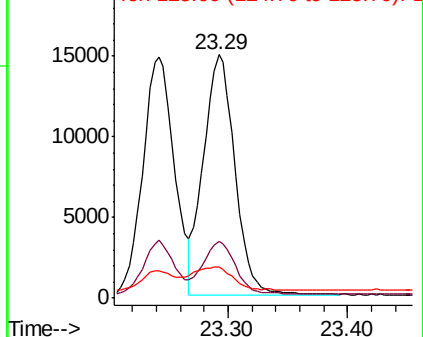
125 12.6 14.6 21.8#

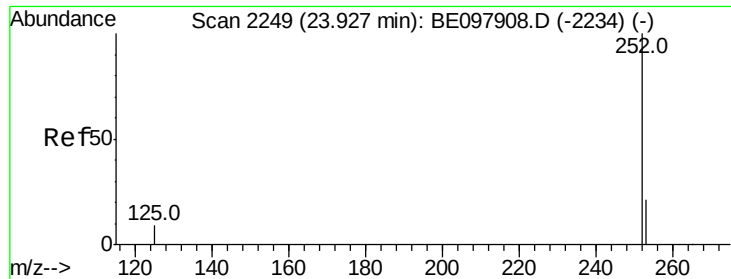


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.380 ng

RT: 23.91 min Scan# 2244

Delta R.T. -0.02 min

Lab File: BE097977.D

Acq: 18 Oct 2018 14:55

Instrument :

BNA_E

ClientSampleId :

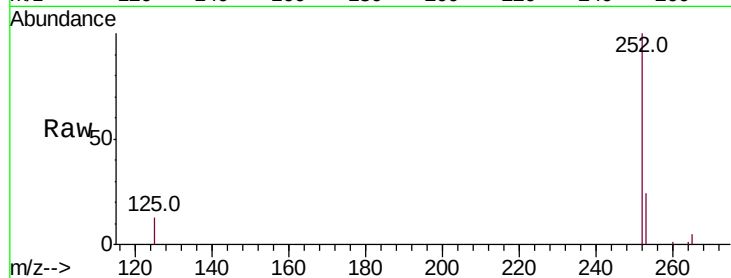
Tot Ion:252 Resp: 23871

Ion Ratio Lower Upper

252 100

253 24.0 20.6 31.0

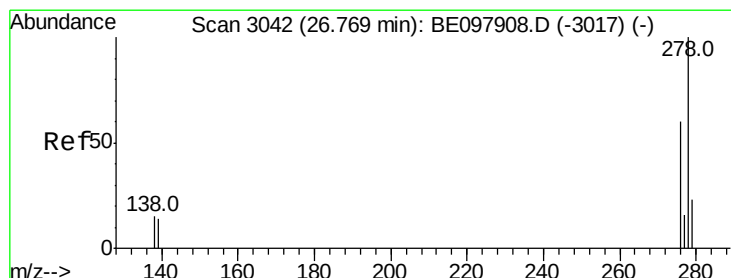
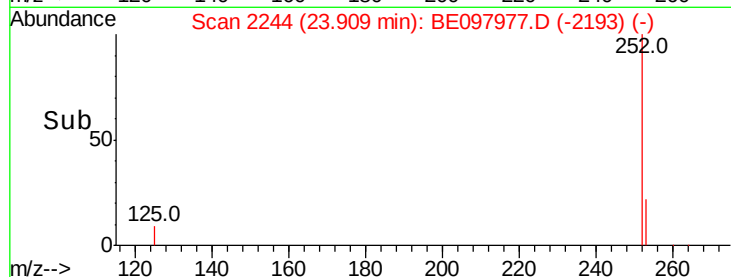
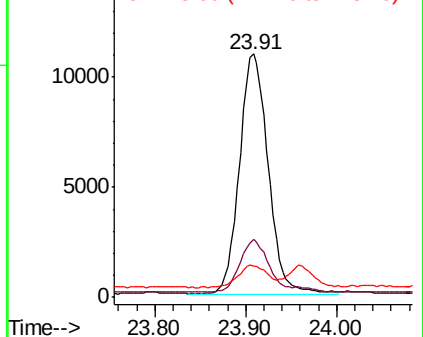
125 13.0 15.6 23.4#



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: 0.386 ng

RT: 26.74 min Scan# 3034

Delta R.T. -0.03 min

Lab File: BE097977.D

Acq: 18 Oct 2018 14:55

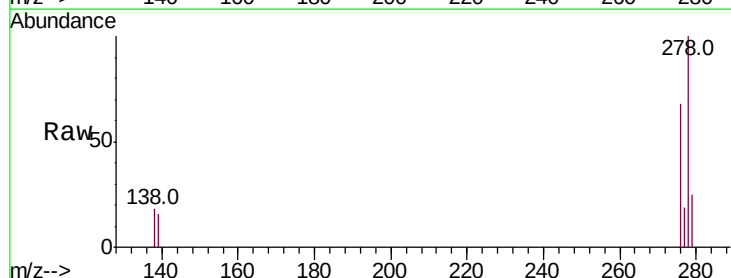
Tgt Ion:278 Resp: 23733

Ion Ratio Lower Upper

278 100

139 16.4 16.3 24.5

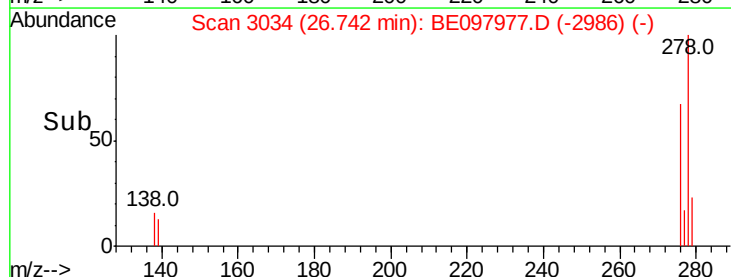
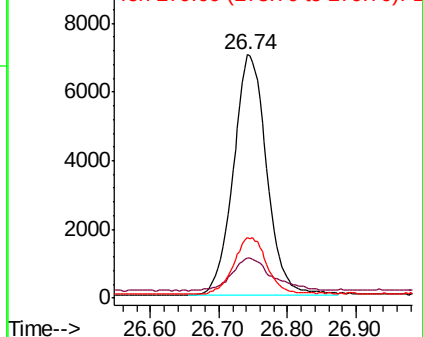
279 24.8 21.4 32.2

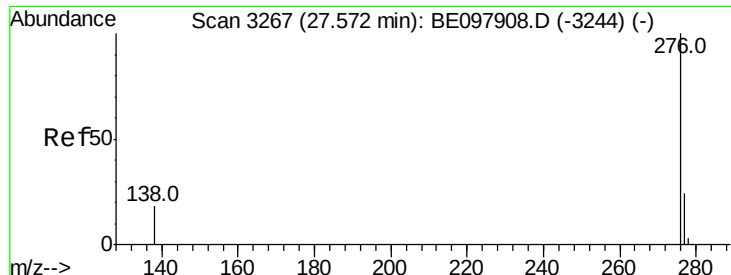


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.321 ng

RT: 27.55 min Scan# 3261

Delta R.T. -0.02 min

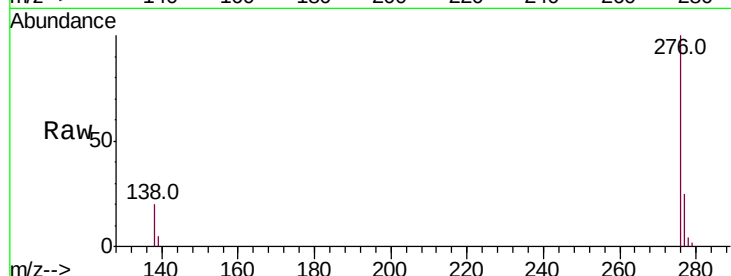
Lab File: BE097977.D

Acq: 18 Oct 2018 14:55

Instrument :

BNA_E

ClientSampleId :



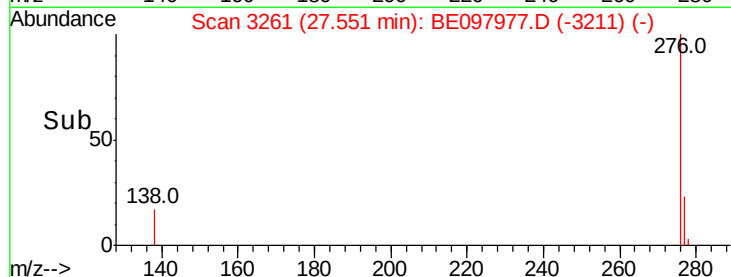
Tot Ion: 276 Resp: 20236

Ion Ratio Lower Upper

276 100

277 24.8 22.1 33.1

138 20.5 19.3 28.9



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

