

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE101818\
 Data File : BE097973.D
 Acq On : 18 Oct 2018 12:29
 Operator : SJ/JU
 Sample : J5521-12MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 19 01:07:05 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	2213	0.40	ng	-0.01
7) Naphthalene-d8	10.68	136	9501	0.40	ng	-0.01
13) Acenaphthene-d10	14.54	164	5721	0.40	ng	-0.02
19) Phenanthrene-d10	17.29	188	15947	0.40	ng	-0.01
27) Chrysene-d12	21.47	240	22582	0.40	ng	-0.01
34) Perylene-d12	24.03	264	22238	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.47	112	2662	0.38	ng	0.00
5) Phenol-d6	7.04	99	3901	0.38	ng	-0.01
8) Nitrobenzene-d5	9.03	82	3253	0.36	ng	-0.01
11) 2-Methylnaphthalene-d10	12.28	152	6380	0.40	ng	-0.02
14) 2,4,6-Tribromophenol	16.03	330	990	0.32	ng	-0.01
15) 2-Fluorobiphenyl	13.16	172	7976	0.34	ng	-0.02
25) Fluoranthene-d10	19.32	212	81452	0.38	ng	-0.01
29) Terphenyl-d14	19.92	244	15989	0.31	ng	-0.01

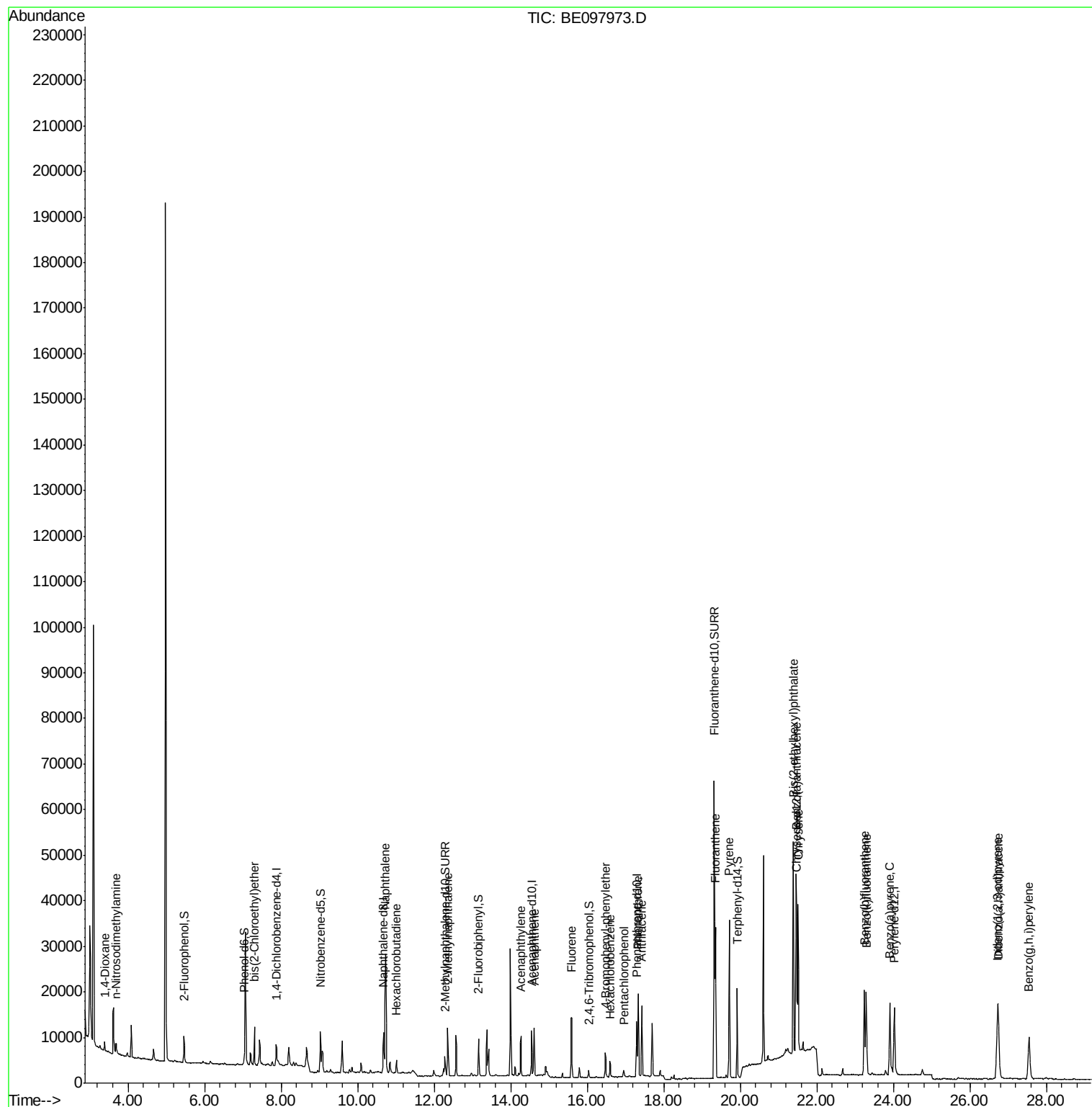
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.38	88	969	0.251	ng	# 77
3) n-Nitrosodimethylamine	3.68	42	1504	0.349	ng	# 78
6) bis(2-Chloroethyl)ether	7.30	93	3045	0.348	ng	98
9) Naphthalene	10.73	128	40034	0.423	ng	99
10) Hexachlorobutadiene	11.02	225	1815	0.356	ng	96
12) 2-Methylnaphthalene	12.35	142	7033	0.434	ng	97
16) Acenaphthylene	14.27	152	11124	0.421	ng	99
17) Acenaphthene	14.61	154	6466	0.400	ng	100
18) Fluorene	15.59	166	9259	0.417	ng	98
20) 4-Bromophenyl-phenylether	16.48	248	3075	0.353	ng	# 86
21) Hexachlorobenzene	16.60	284	2931	0.342	ng	98
22) Pentachlorophenol	16.95	266	1052	0.490	ng	93
23) Phenanthrene	17.33	178	20987	0.518	ng	99
24) Anthracene	17.42	178	16614	0.434	ng	100
26) Fluoranthene	19.35	202	30857	0.580	ng	98
28) Pyrene	19.71	202	30985	0.476	ng	98
30) Benzo(a)anthracene	21.46	228	30600	0.442	ng	98
31) Chrysene	21.51	228	28144	0.429	ng	98
32) Bis(2-ethylhexyl)phthalate	21.39	149	61102	0.371	ng	100
33) Indeno(1,2,3-cd)pyrene	26.72	276	26438	0.351	ng	99
35) Benzo(b)fluoranthene	23.24	252	26874	0.420	ng	# 92
36) Benzo(k)fluoranthene	23.30	252	26007	0.390	ng	# 95
37) Benzo(a)pyrene	23.91	252	25903	0.415	ng	# 92
38) Dibenzo(a,h)anthracene	26.74	278	21329	0.349	ng	95
39) Benzo(g,h,i)perylene	27.55	276	22458	0.359	ng	93

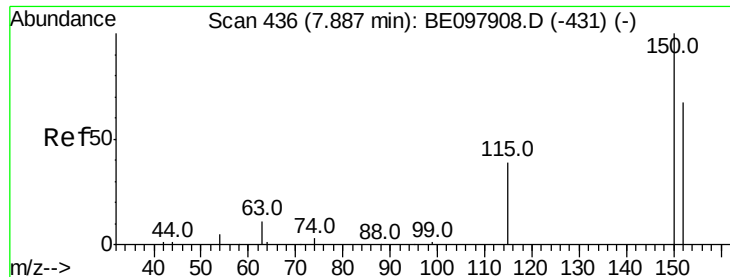
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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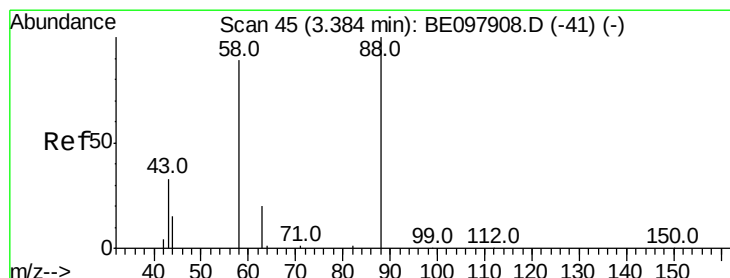
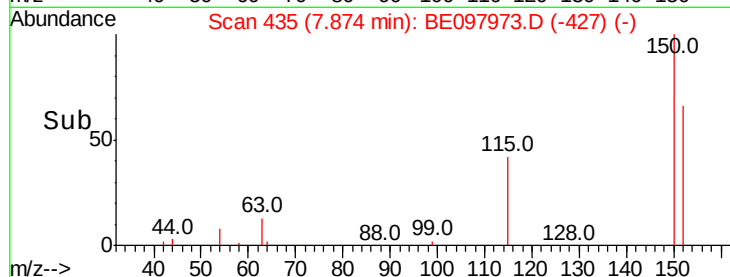
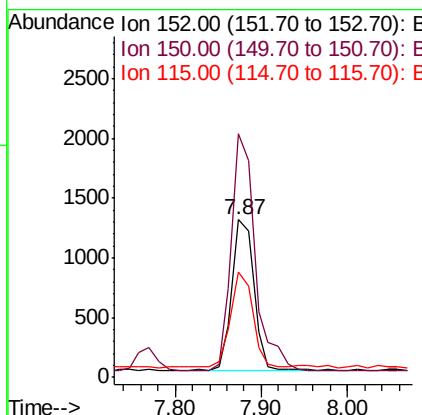
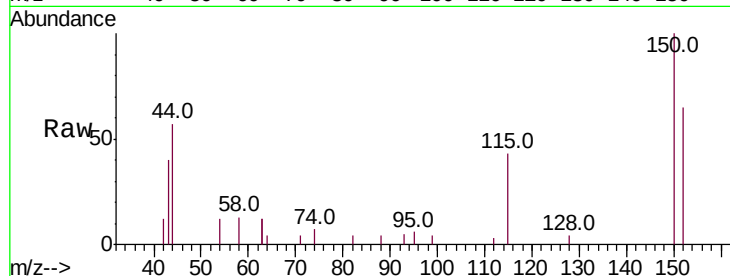


#1

1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.87 min Scan# 435
 Delta R.T. -0.01 min
 Lab File: BE097973.D
 Acq: 18 Oct 2018 12:29

Instrument :
 BNA_E
 ClientSampleId :

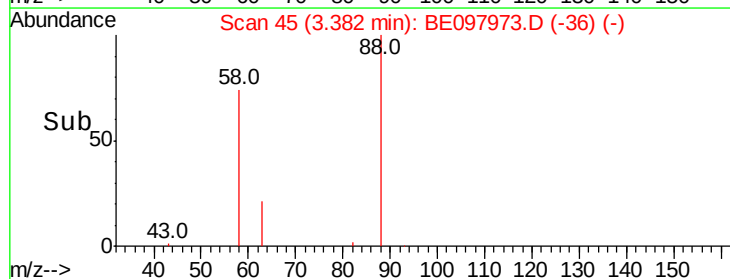
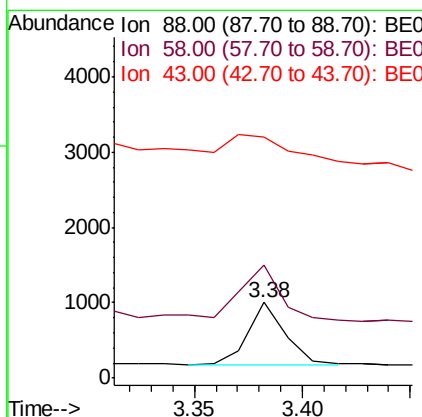
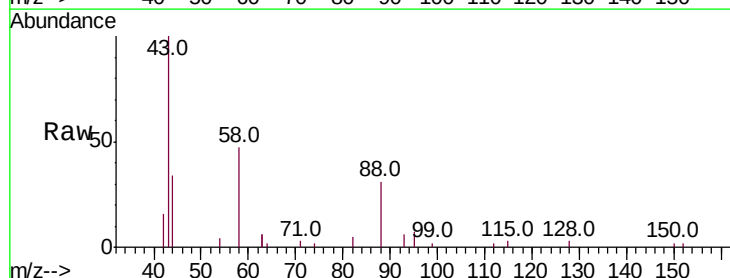
Tot Ion:152 Resp: 2213
 Ion Ratio Lower Upper
 152 100
 150 154.6 118.2 177.4
 115 66.8 50.9 76.3

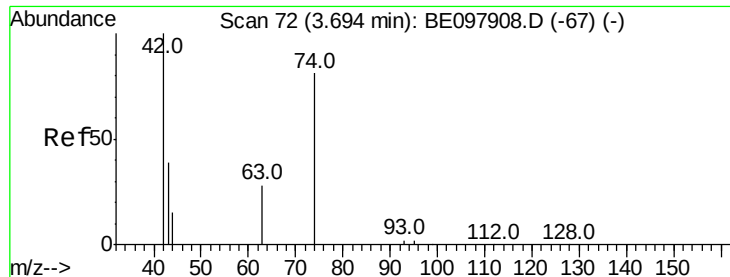


#2

1,4-Dioxane
 Concen: 0.251 ng
 RT: 3.38 min Scan# 45
 Delta R.T. -0.00 min
 Lab File: BE097973.D
 Acq: 18 Oct 2018 12:29

Tgt Ion: 88 Resp: 969
 Ion Ratio Lower Upper
 88 100
 58 104.9 73.2 109.8
 43 73.1 36.9 55.3#





#3

n-Nitrosodimethylamine

Concen: 0.349 ng

RT: 3.68 min Scan# 71

Delta R.T. -0.01 min

Lab File: BE097973.D

Acq: 18 Oct 2018 12:29

Instrument :

BNA_E

ClientSampled :

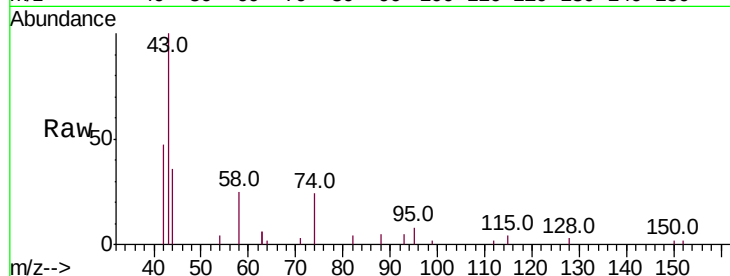
Tot Ion: 42 Resp: 1504

Ion Ratio Lower Upper

42 100

74 117.9 77.6 116.4#

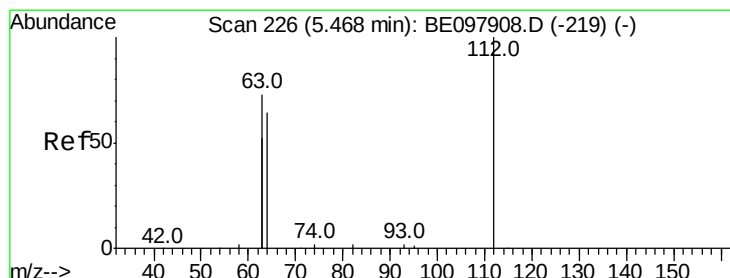
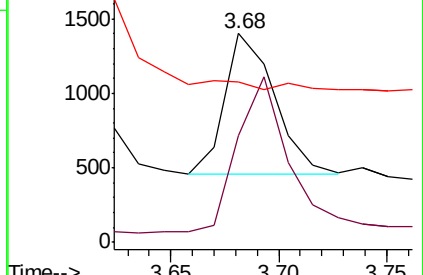
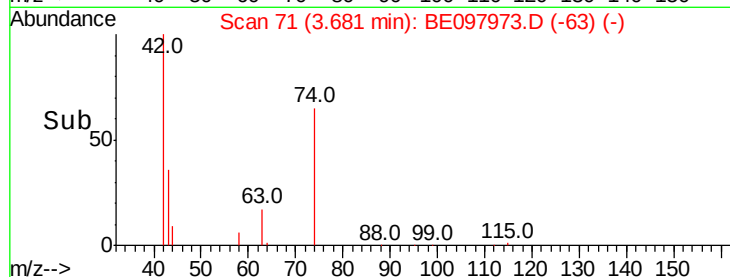
44 0.0 7.6 11.4#



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: 0.381 ng

RT: 5.47 min Scan# 226

Delta R.T. -0.00 min

Lab File: BE097973.D

Acq: 18 Oct 2018 12:29

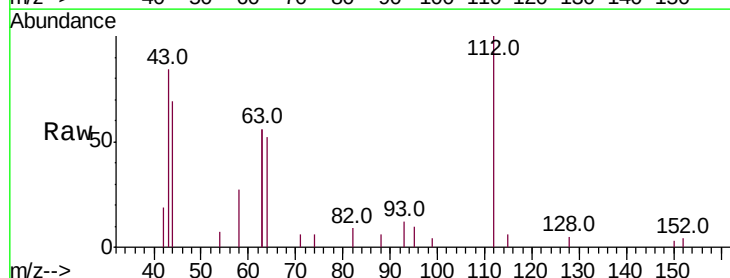
Tgt Ion: 112 Resp: 2662

Ion Ratio Lower Upper

112 100

64 73.1 58.9 88.3

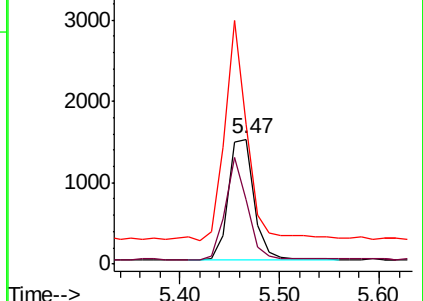
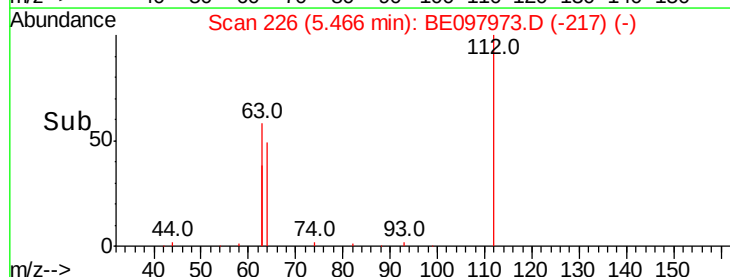
63 155.0 120.3 180.5

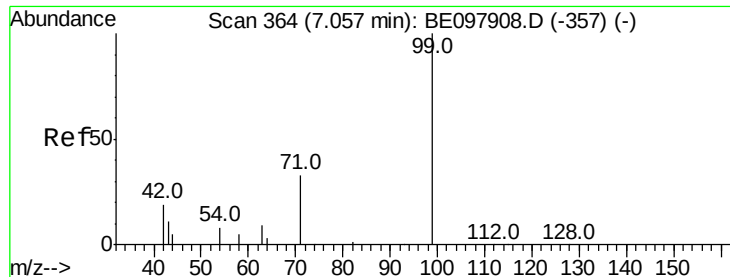


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.378 ng

RT: 7.04 min Scan# 363

Delta R.T. -0.01 min

Lab File: BE097973.D

Acq: 18 Oct 2018 12:29

Instrument :

BNA_E

ClientSampleId :

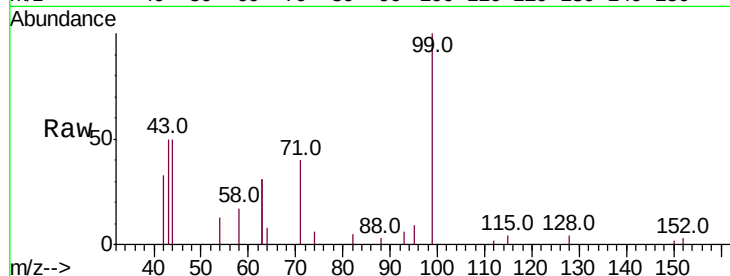
Tot Ion: 99 Resp: 3901

Ion Ratio Lower Upper

99 100

42 0.0 19.9 29.9#

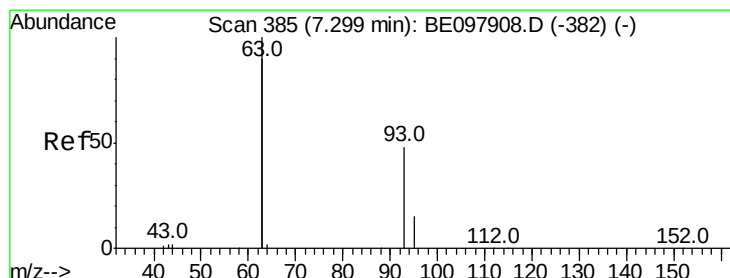
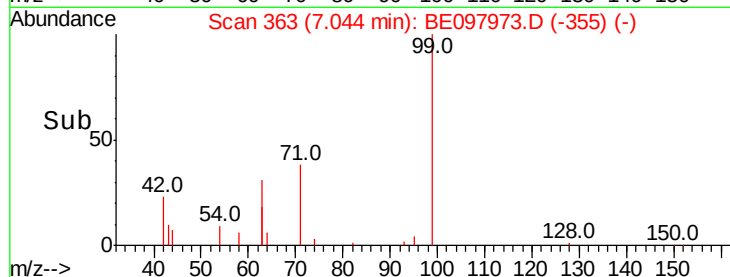
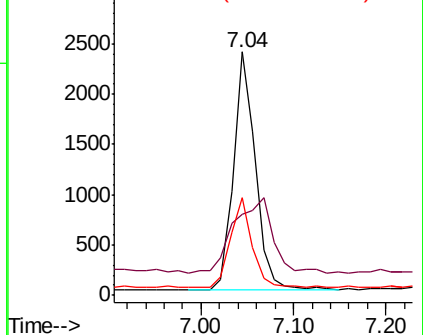
71 37.9 27.8 41.8



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: 0.348 ng

RT: 7.30 min Scan# 385

Delta R.T. -0.00 min

Lab File: BE097973.D

Acq: 18 Oct 2018 12:29

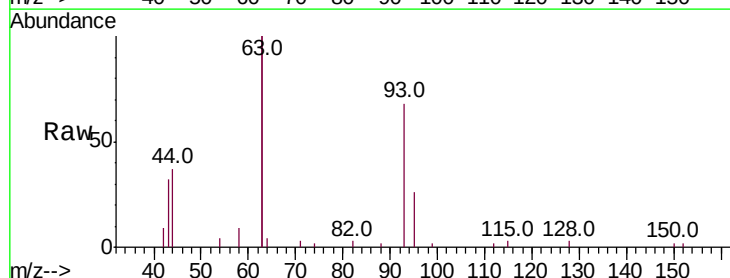
Tgt Ion: 93 Resp: 3045

Ion Ratio Lower Upper

93 100

63 328.6 259.0 388.4

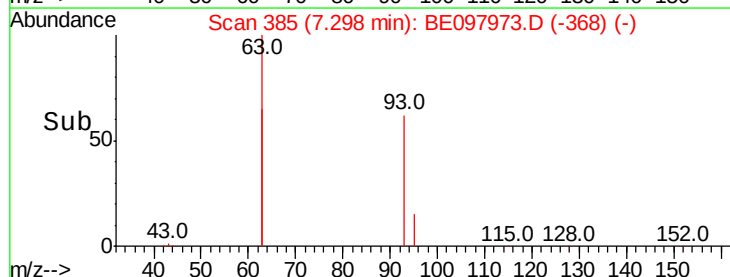
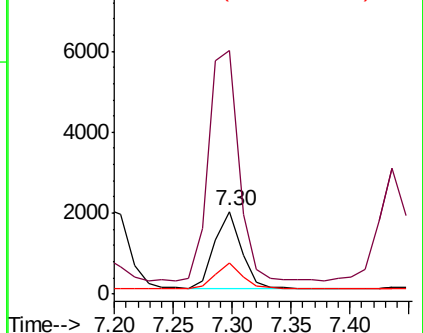
95 32.9 27.8 41.8

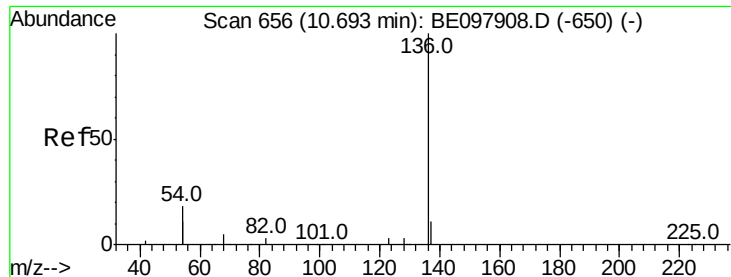


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE097973.D

Acq: 18 Oct 2018 12:29

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 9501

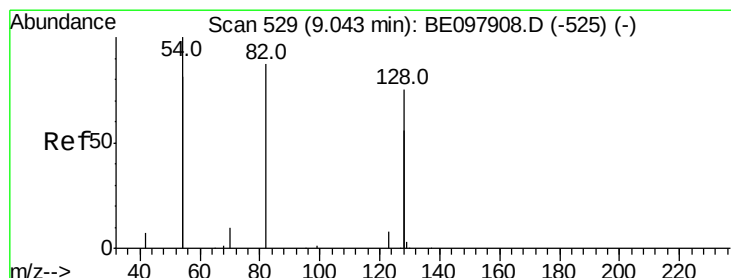
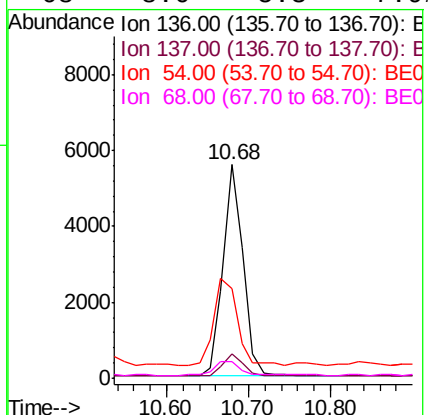
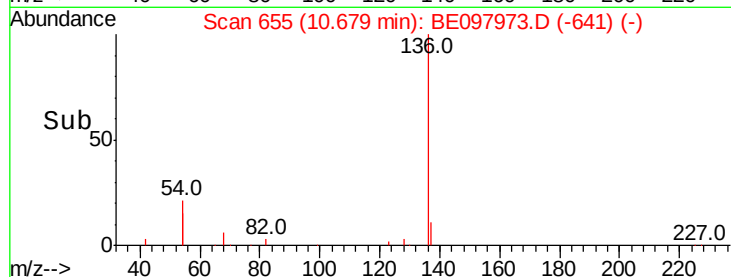
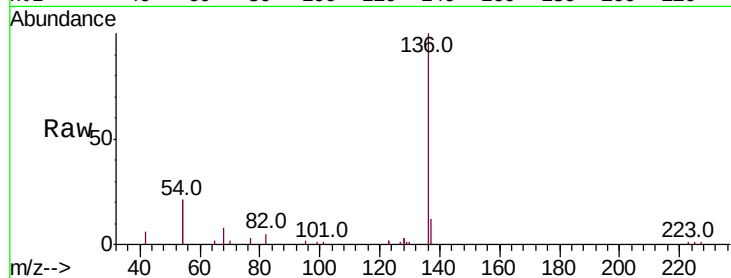
Ion Ratio Lower Upper

136 100

137 11.7 9.6 14.4

54 42.0 27.7 41.5#

68 8.0 5.3 7.9#



#8

Nitrobenzene-d5

Concen: 0.362 ng

RT: 9.03 min Scan# 528

Delta R.T. -0.01 min

Lab File: BE097973.D

Acq: 18 Oct 2018 12:29

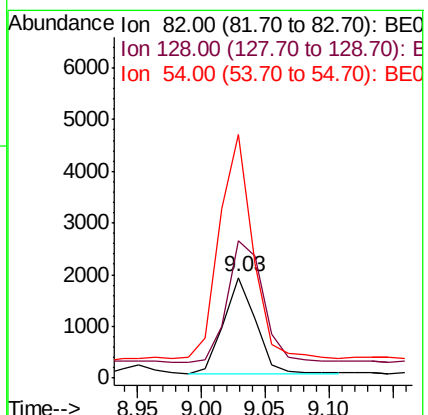
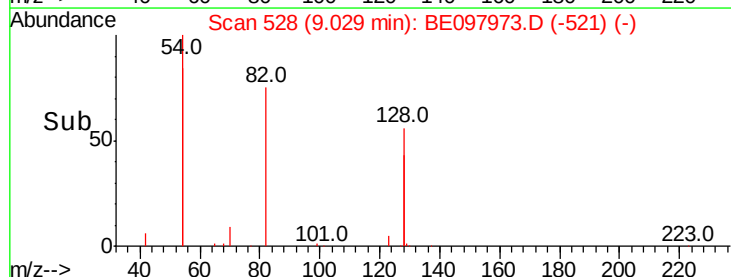
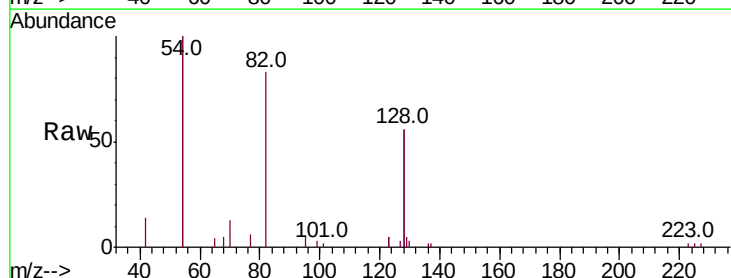
Tgt Ion: 82 Resp: 3253

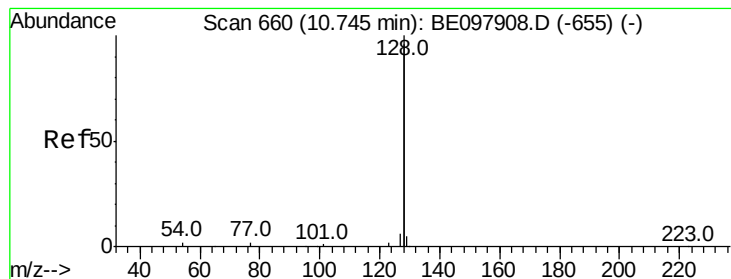
Ion Ratio Lower Upper

82 100

128 136.1 129.9 194.9

54 241.4 174.0 261.0





#9

Naphthalene

Concen: 0.423 ng

RT: 10.73 min Scan# 659

Delta R.T. -0.01 min

Lab File: BE097973.D

Acq: 18 Oct 2018 12:29

Instrument :

BNA_E

ClientSampleId :

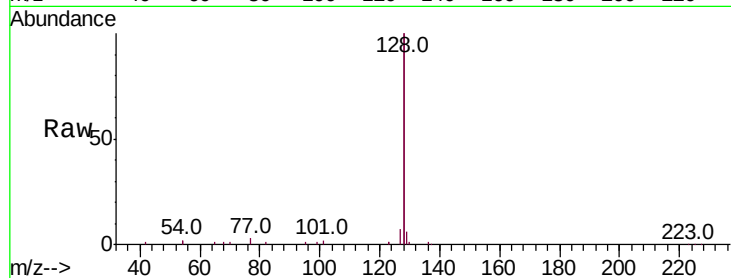
Tot Ion:128 Resp: 40034

Ion Ratio Lower Upper

128 100

129 2.9 2.5 3.7

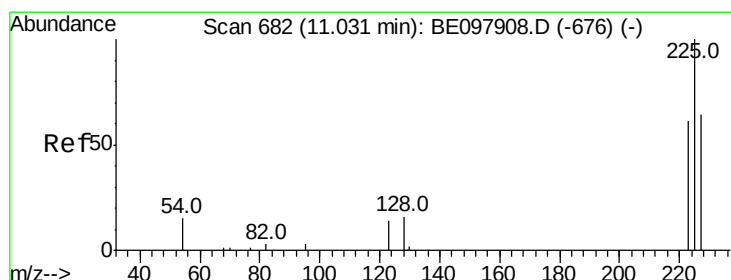
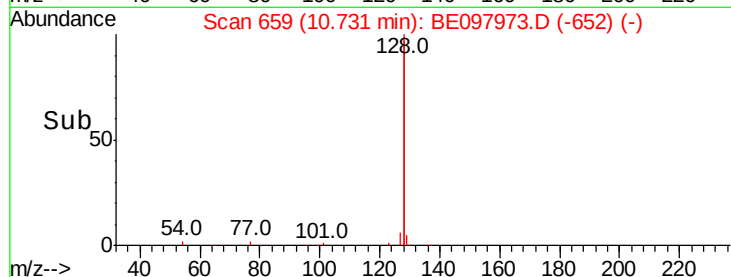
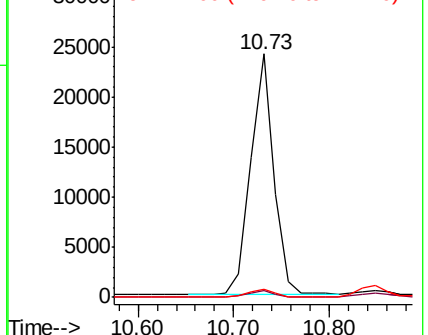
127 3.3 2.8 4.2



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: 0.356 ng

RT: 11.02 min Scan# 681

Delta R.T. -0.01 min

Lab File: BE097973.D

Acq: 18 Oct 2018 12:29

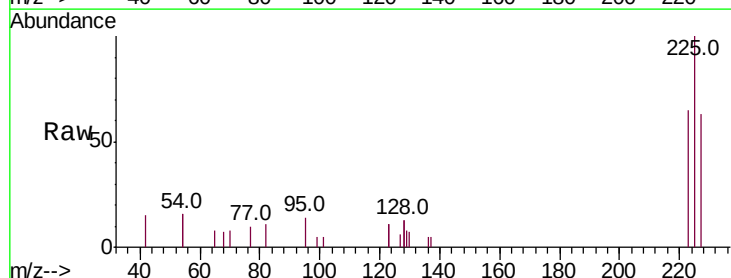
Tgt Ion:225 Resp: 1815

Ion Ratio Lower Upper

225 100

223 62.8 51.8 77.8

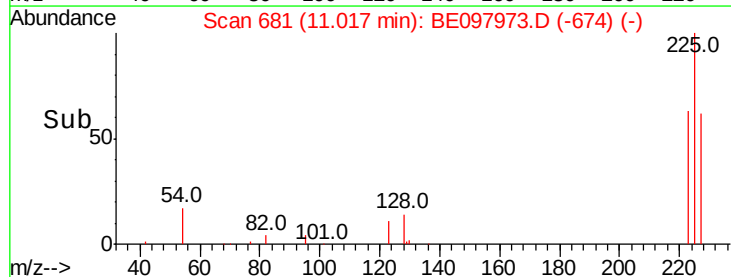
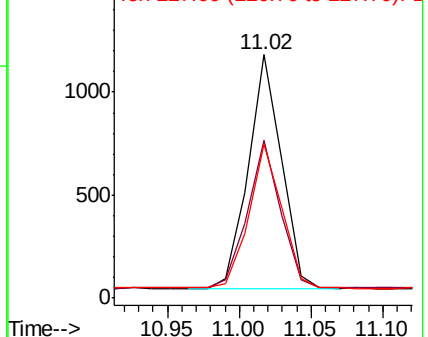
227 61.3 53.0 79.6

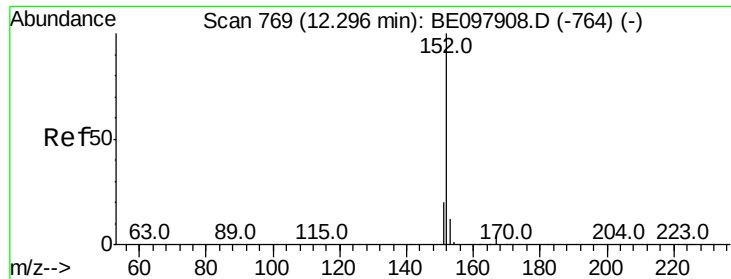


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

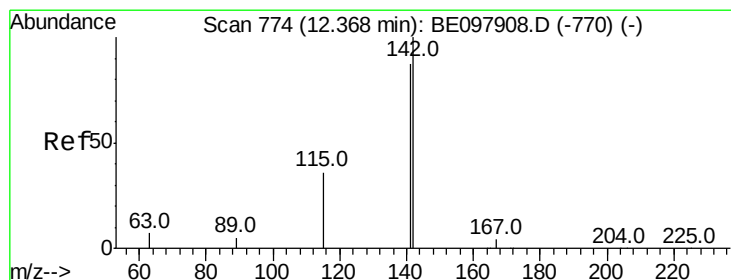
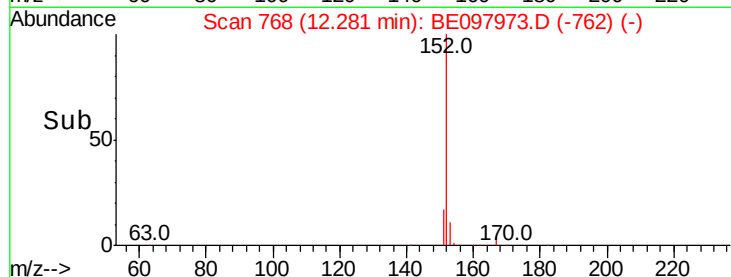
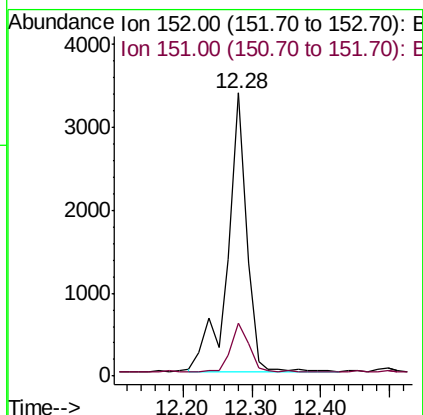
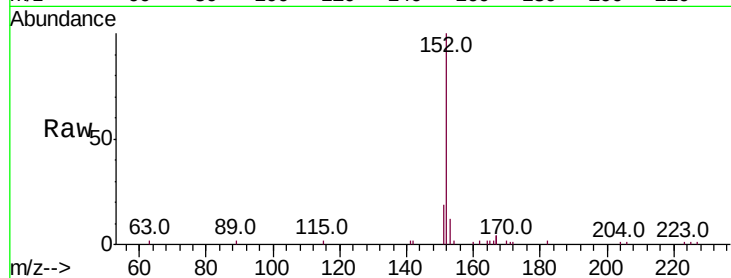




#11
2-Methylnaphthalene-d10
Concen: 0.404 ng
RT: 12.28 min Scan# 768
Delta R.T. -0.02 min
Lab File: BE097973.D
Acq: 18 Oct 2018 12:29

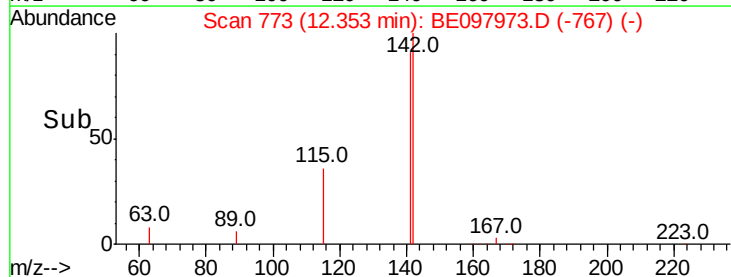
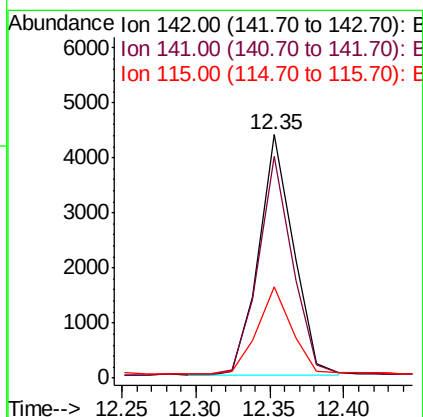
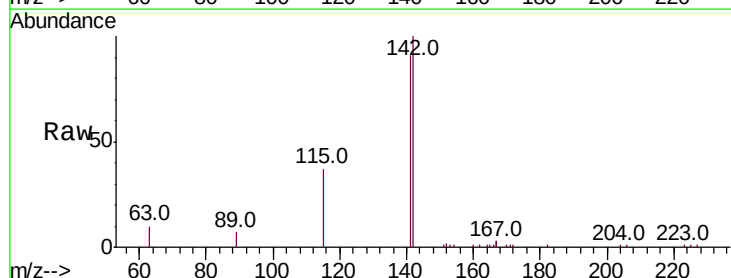
Instrument :
BNA_E
ClientSampleId :

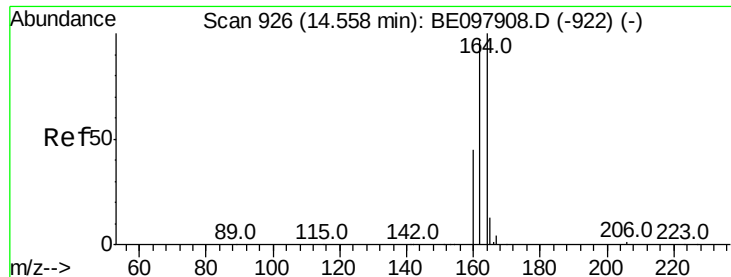
Tot Ion:152 Resp: 6380
Ion Ratio Lower Upper
152 100
151 17.0 16.2 24.4



#12
2-Methylnaphthalene
Concen: 0.434 ng
RT: 12.35 min Scan# 773
Delta R.T. -0.02 min
Lab File: BE097973.D
Acq: 18 Oct 2018 12:29

Tgt Ion:142 Resp: 7033
Ion Ratio Lower Upper
142 100
141 91.3 69.8 104.6
115 37.4 30.5 45.7





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.02 min

Lab File: BE097973.D

Acq: 18 Oct 2018 12:29

Instrument :

BNA_E

ClientSampleId :

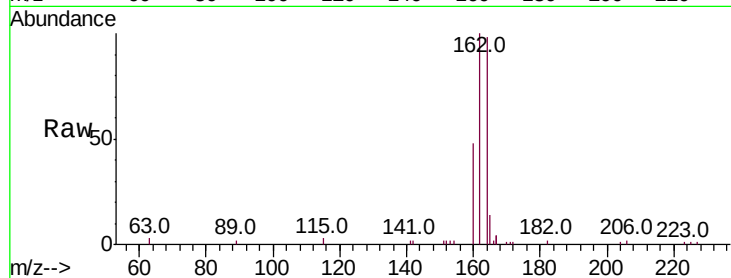
Tot Ion:164 Resp: 5721

Ion Ratio Lower Upper

164 100

162 101.7 77.4 116.2

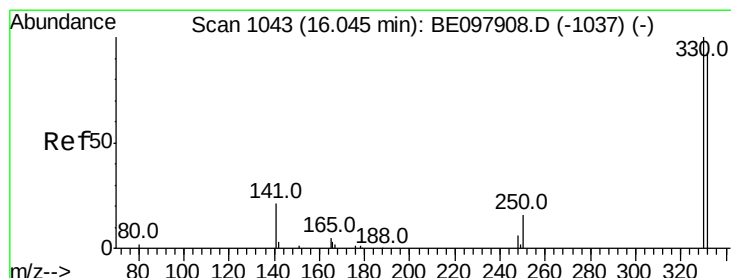
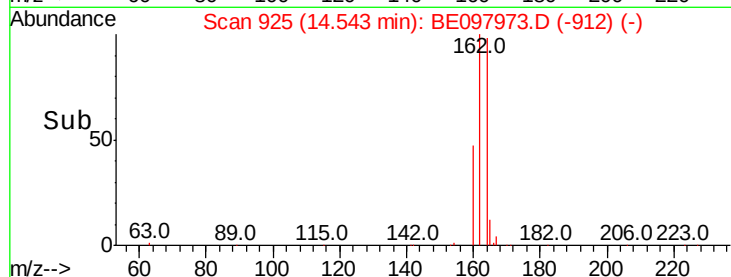
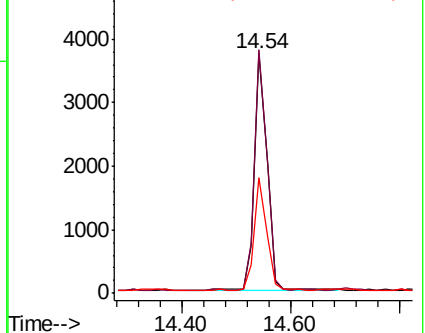
160 48.3 36.5 54.7



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: 0.322 ng

RT: 16.03 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BE097973.D

Acq: 18 Oct 2018 12:29

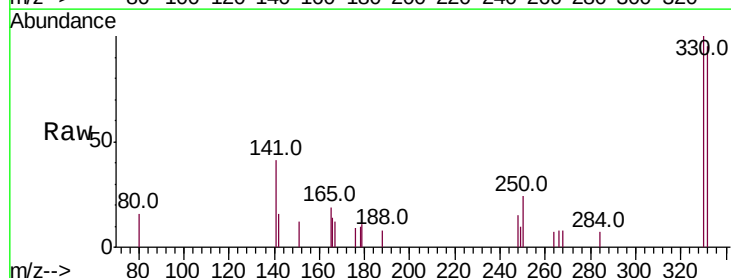
Tgt Ion:330 Resp: 990

Ion Ratio Lower Upper

330 100

332 98.4 76.5 114.7

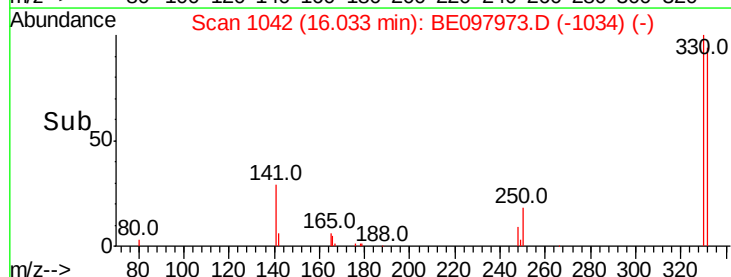
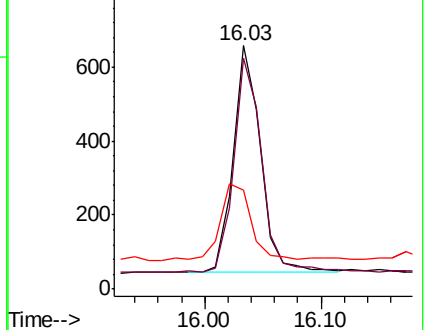
141 37.9 31.8 47.6

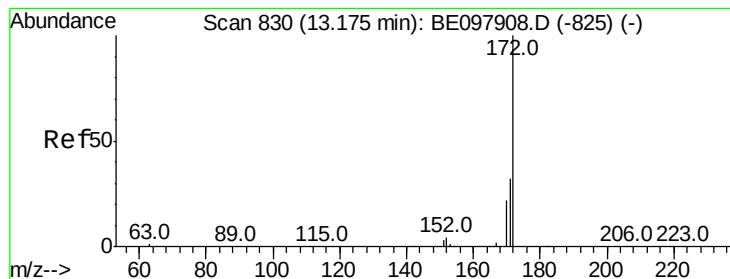


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.341 ng

RT: 13.16 min Scan# 829

Delta R.T. -0.02 min

Lab File: BE097973.D

Acq: 18 Oct 2018 12:29

Instrument :

BNA_E

ClientSampleId :

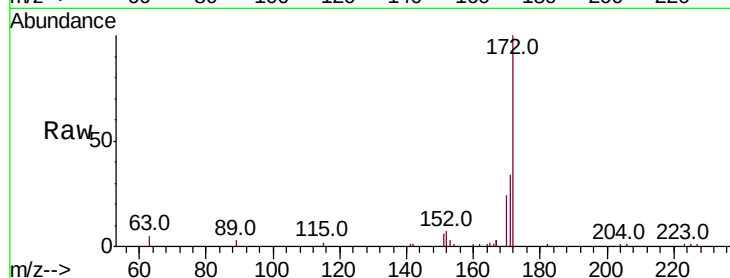
Tot Ion:172 Resp: 7976

Ion Ratio Lower Upper

172 100

171 34.0 26.0 39.0

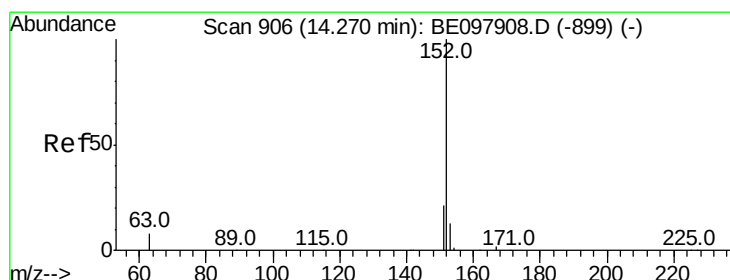
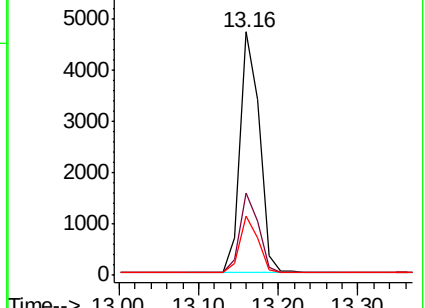
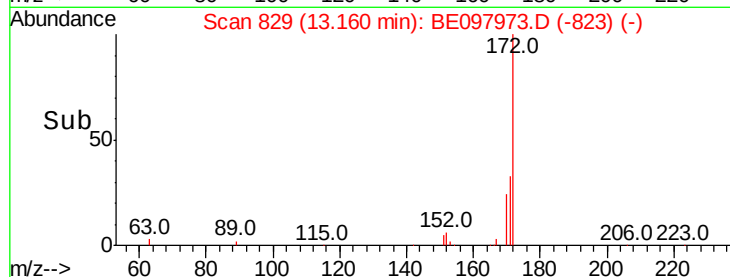
170 24.5 18.0 27.0



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: 0.421 ng

RT: 14.27 min Scan# 906

Delta R.T. -0.00 min

Lab File: BE097973.D

Acq: 18 Oct 2018 12:29

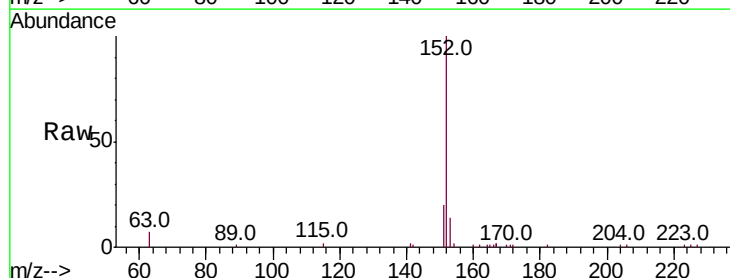
Tgt Ion:152 Resp: 11124

Ion Ratio Lower Upper

152 100

151 20.4 16.1 24.1

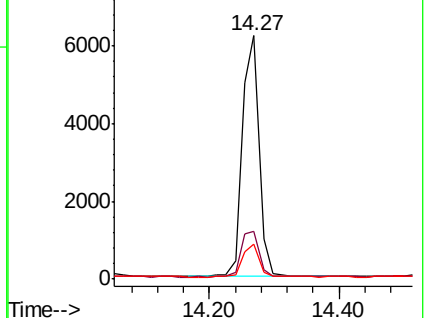
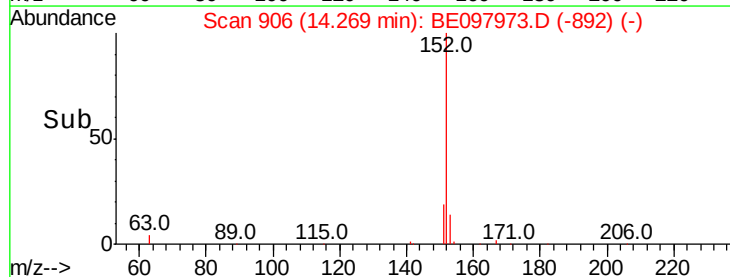
153 13.4 10.9 16.3

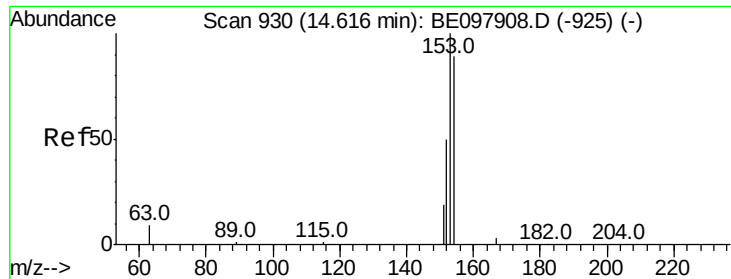


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

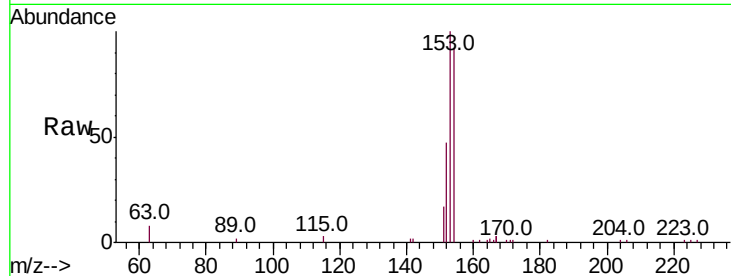




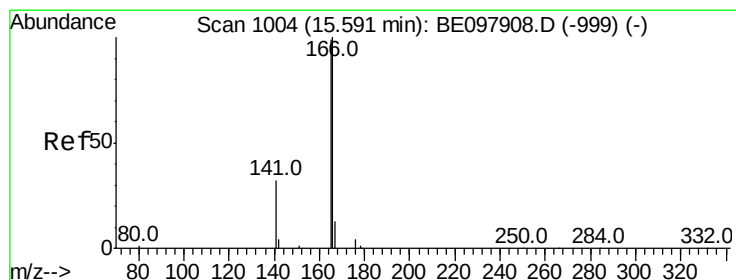
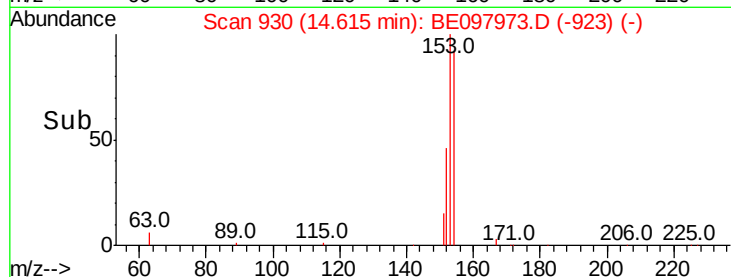
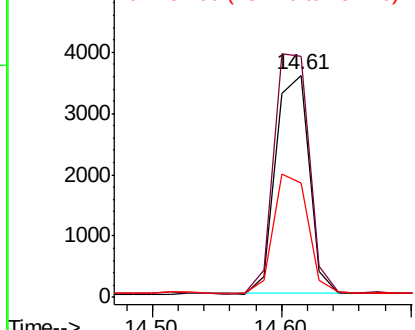
#17
Acenaphthene
Concen: 0.400 ng
RT: 14.61 min Scan# 930
Delta R.T. -0.00 min
Lab File: BE097973.D
Acq: 18 Oct 2018 12:29

Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 6466
Ion Ratio Lower Upper
154 100
153 115.9 92.6 139.0
152 56.1 45.5 68.3

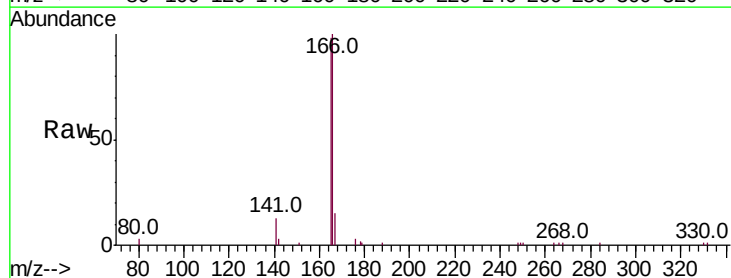


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

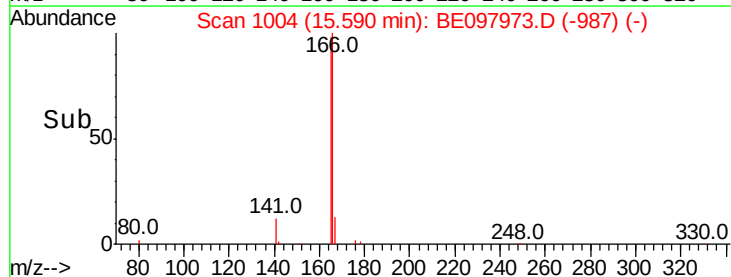
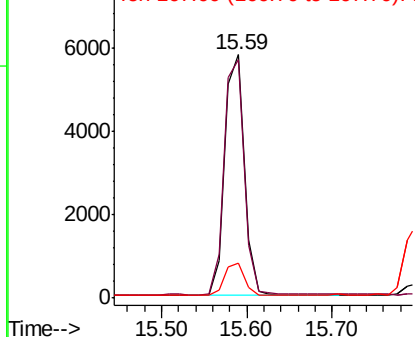


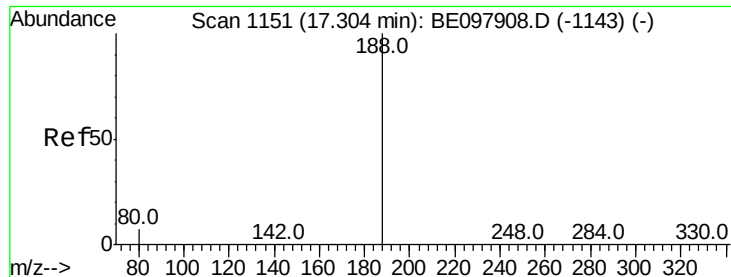
#18
Fluorene
Concen: 0.417 ng
RT: 15.59 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BE097973.D
Acq: 18 Oct 2018 12:29

Tgt Ion:166 Resp: 9259
Ion Ratio Lower Upper
166 100
165 100.0 78.2 117.4
167 14.2 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: BE097973.D

Acq: 18 Oct 2018 12:29

Instrument :

BNA_E

ClientSampled :

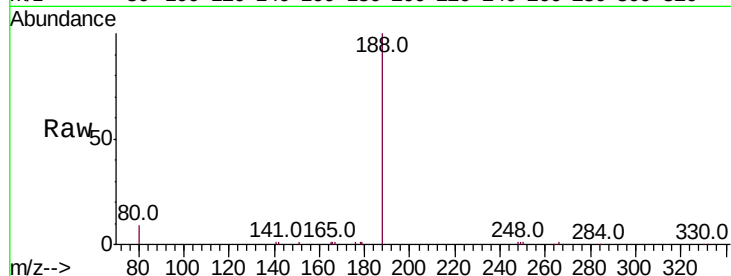
Tot Ion:188 Resp: 15947

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

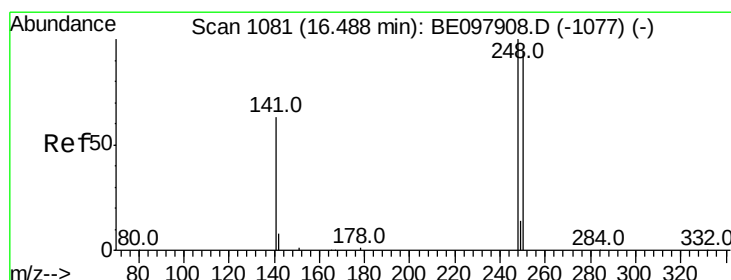
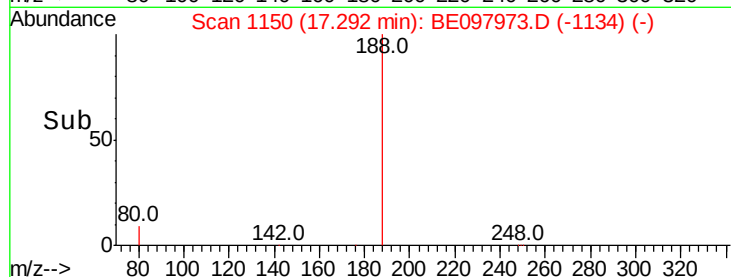
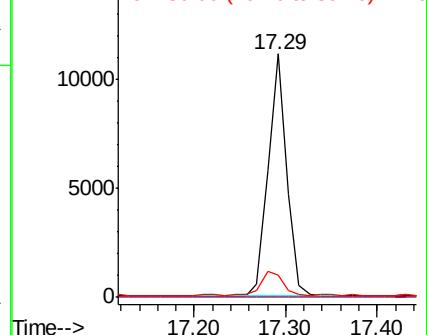
80 9.3 6.3 9.5



Abundance Ion 188.00 (187.70 to 188.70): E

15000 Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.353 ng

RT: 16.48 min Scan# 1080

Delta R.T. -0.01 min

Lab File: BE097973.D

Acq: 18 Oct 2018 12:29

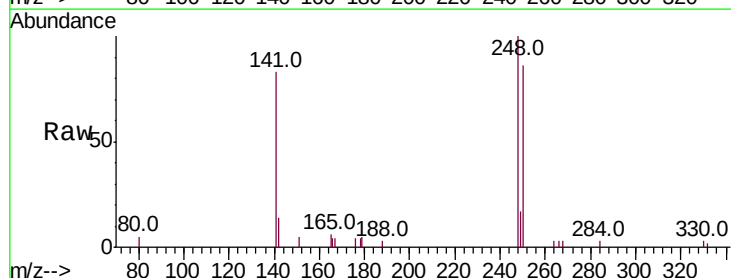
Tgt Ion:248 Resp: 3075

Ion Ratio Lower Upper

248 100

250 86.1 75.1 112.7

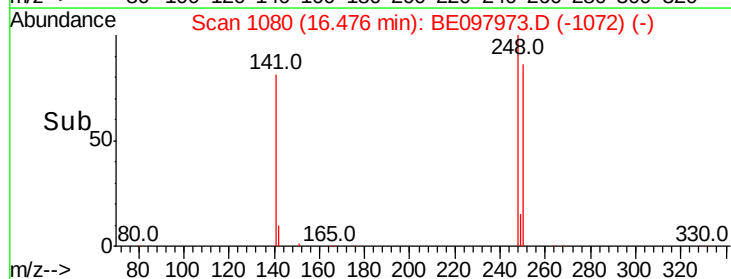
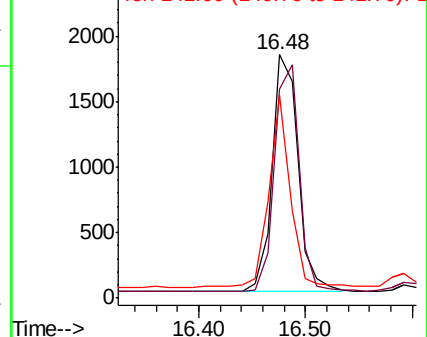
141 83.5 51.8 77.8#

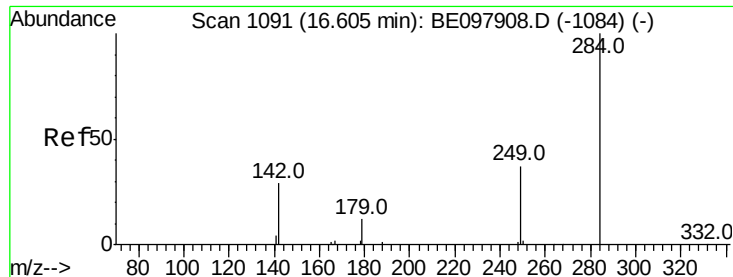


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

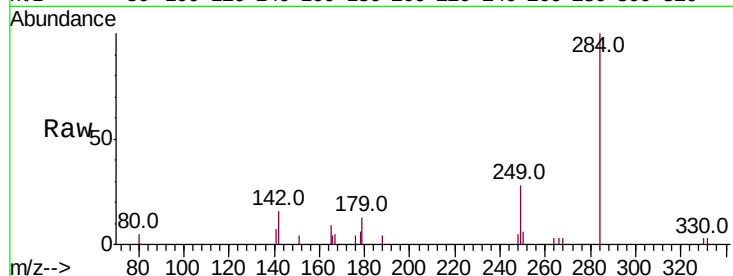




#21
Hexachlorobenzene
Concen: 0.342 ng
RT: 16.60 min Scan# 1091
Delta R.T. -0.00 min
Lab File: BE097973.D
Acq: 18 Oct 2018 12:29

Instrument :
BNA_E
ClientSampled :

Tot Ion	Ratio	Lower	Upper
284	100		
142	32.7	25.9	38.9
249	31.6	26.6	40.0

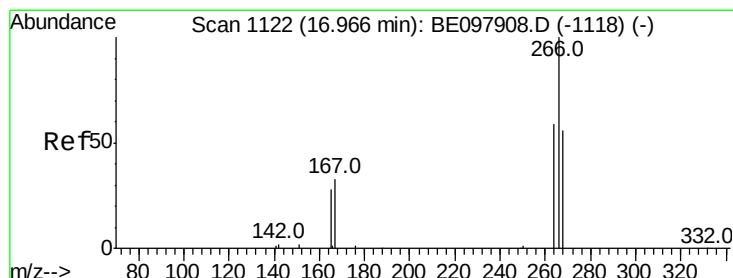
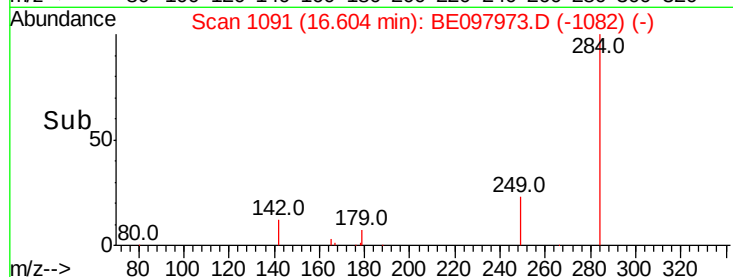
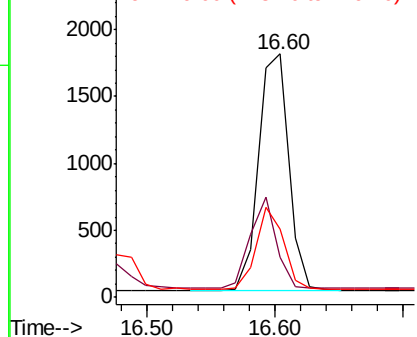


Abundance

Ion 283.80 (283.50 to 284.50): E

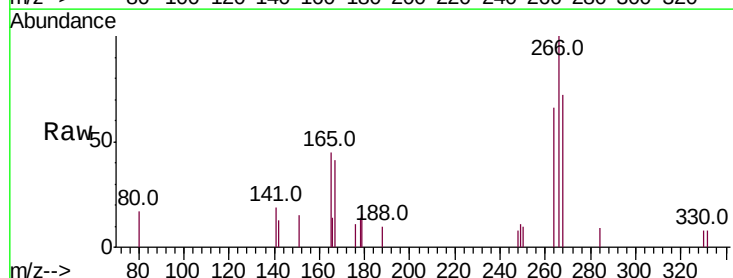
Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22
Pentachlorophenol
Concen: 0.490 ng
RT: 16.95 min Scan# 1121
Delta R.T. -0.01 min
Lab File: BE097973.D
Acq: 18 Oct 2018 12:29

Tgt Ion	Ratio	Lower	Upper
266	100		
264	66.4	51.3	76.9
268	71.8	50.1	75.1

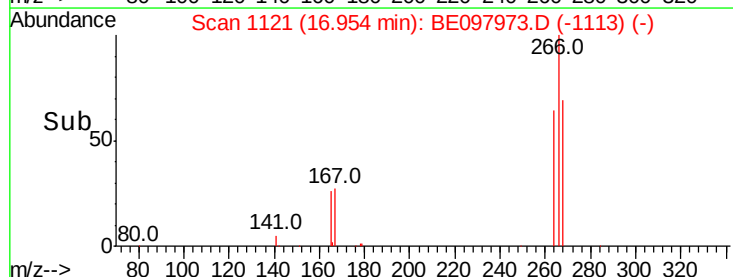
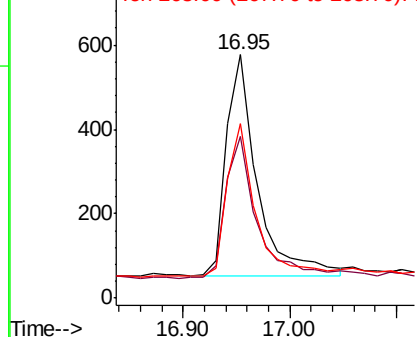


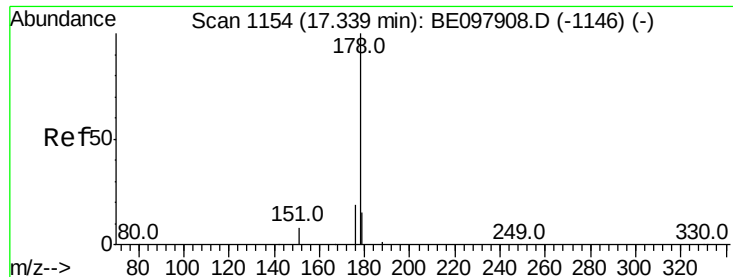
Abundance

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: 0.518 ng

RT: 17.33 min Scan# 1153

Delta R.T. -0.01 min

Lab File: BE097973.D

Acq: 18 Oct 2018 12:29

Instrument :

BNA_E

ClientSampleId :

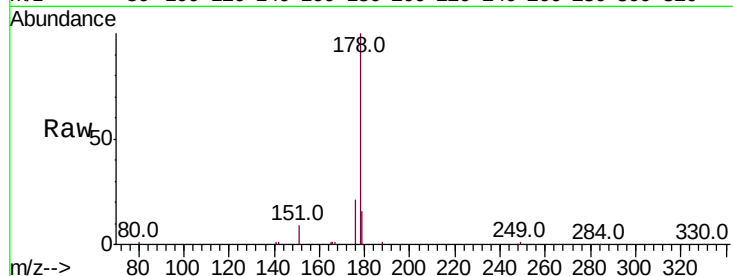
Tot Ion:178 Resp: 20987

Ion Ratio Lower Upper

178 100

176 19.4 15.5 23.3

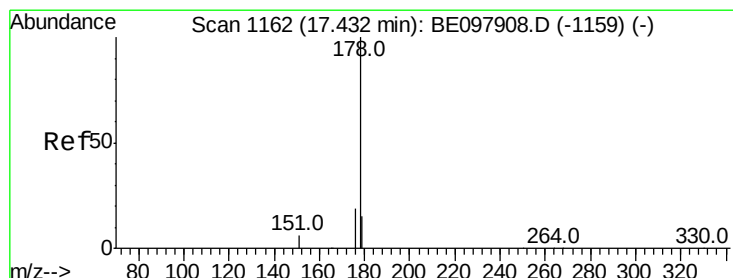
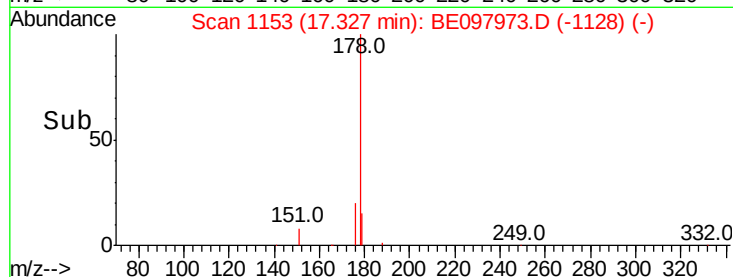
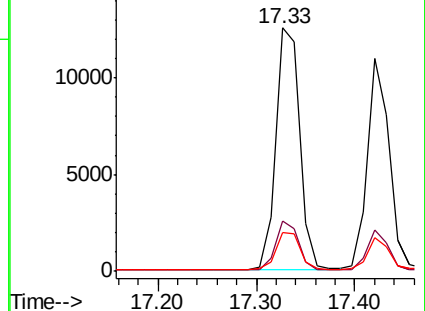
179 15.8 12.2 18.4



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: 0.434 ng

RT: 17.42 min Scan# 1161

Delta R.T. -0.01 min

Lab File: BE097973.D

Acq: 18 Oct 2018 12:29

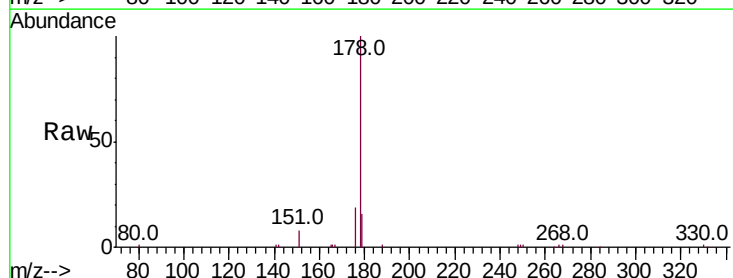
Tgt Ion:178 Resp: 16614

Ion Ratio Lower Upper

178 100

176 18.6 14.9 22.3

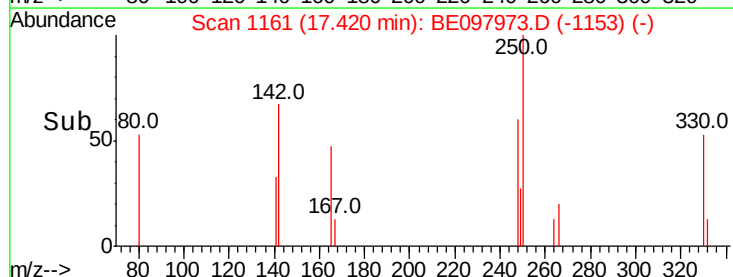
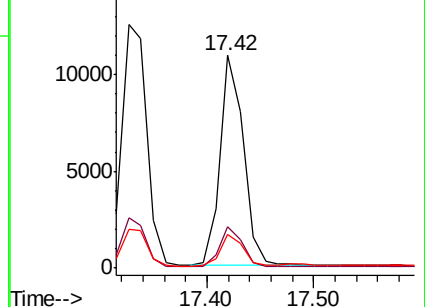
179 14.9 11.9 17.9

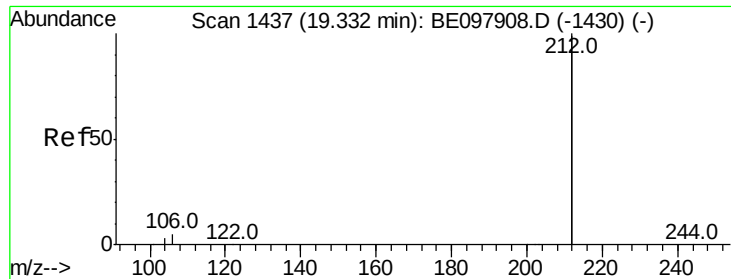


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.377 ng

RT: 19.32 min Scan# 1435

Delta R.T. -0.01 min

Lab File: BE097973.D

Acq: 18 Oct 2018 12:29

Instrument :

BNA_E

ClientSampleId :

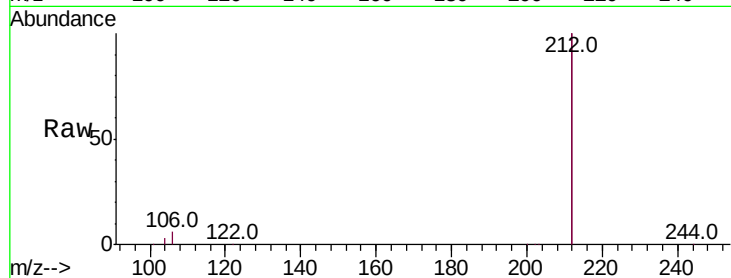
Tot Ion:212 Resp: 81452

Ion Ratio Lower Upper

212 100

106 2.9 2.3 3.5

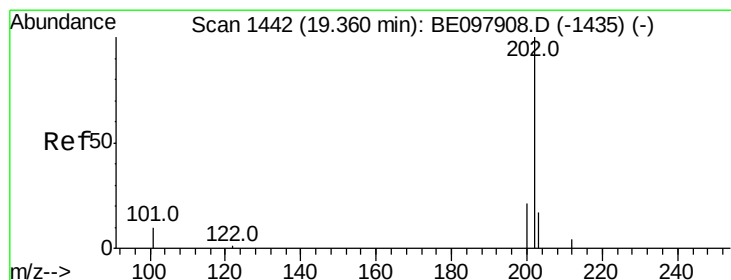
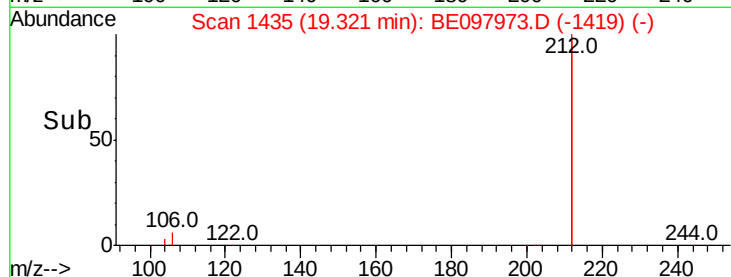
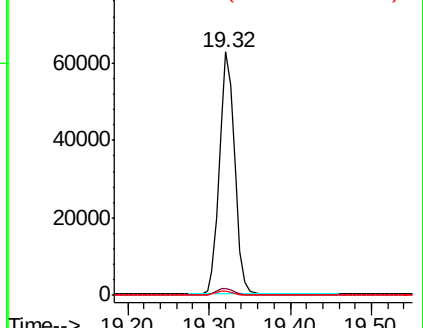
104 1.6 1.3 1.9



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: 0.580 ng

RT: 19.35 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BE097973.D

Acq: 18 Oct 2018 12:29

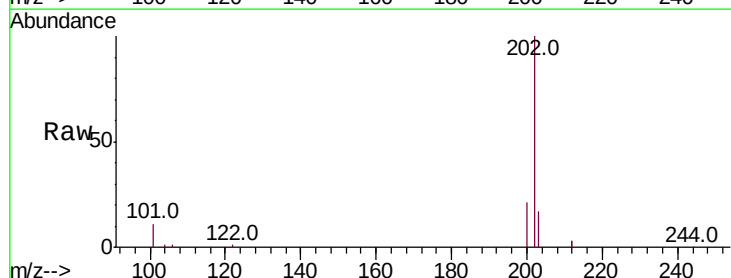
Tgt Ion:202 Resp: 30857

Ion Ratio Lower Upper

202 100

101 10.3 8.2 12.2

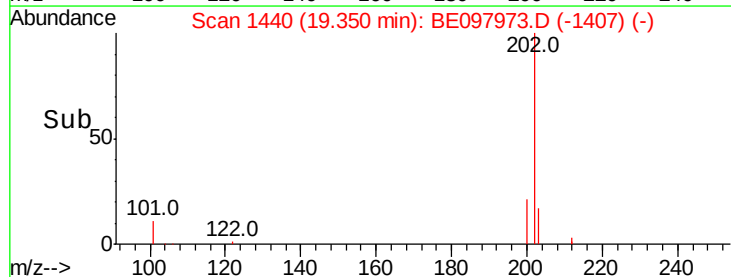
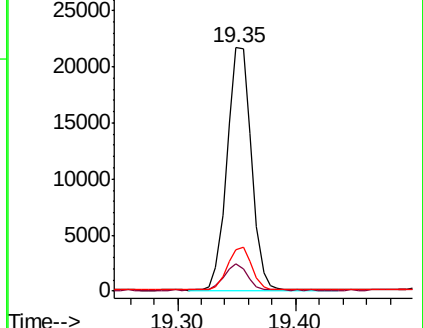
203 17.3 15.0 22.4

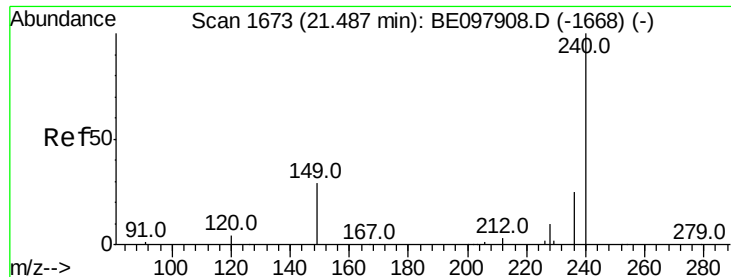


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.47 min Scan# 1672

Delta R.T. -0.01 min

Lab File: BE097973.D

Acq: 18 Oct 2018 12:29

Instrument :

BNA_E

ClientSampleId :

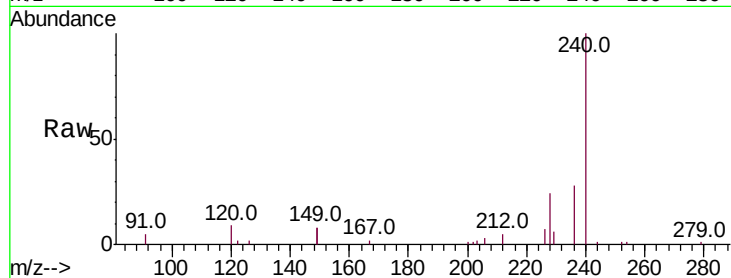
Tot Ion:240 Resp: 22582

Ion Ratio Lower Upper

240 100

120 8.8 7.1 10.7

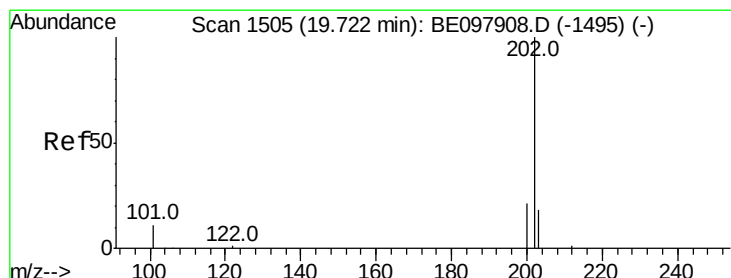
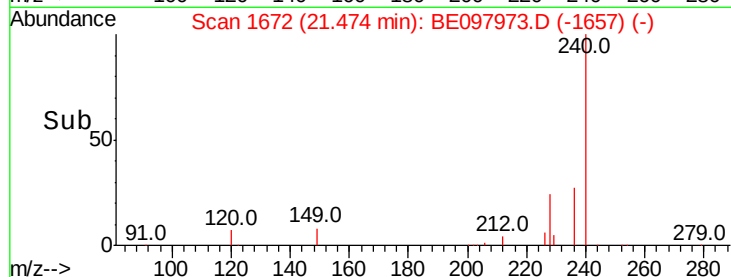
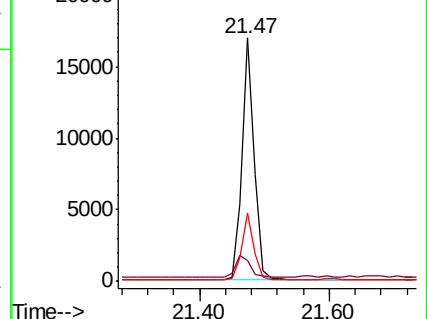
236 28.0 21.3 31.9



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: 0.476 ng

RT: 19.71 min Scan# 1503

Delta R.T. -0.01 min

Lab File: BE097973.D

Acq: 18 Oct 2018 12:29

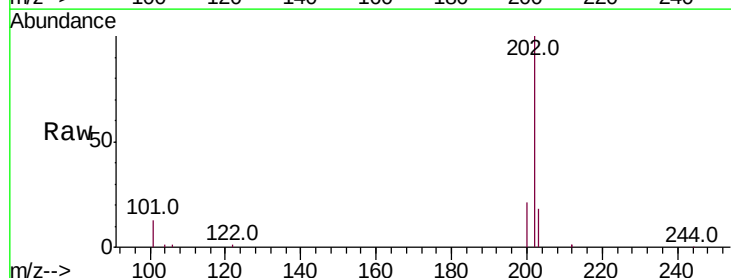
Tgt Ion:202 Resp: 30985

Ion Ratio Lower Upper

202 100

200 21.1 17.0 25.4

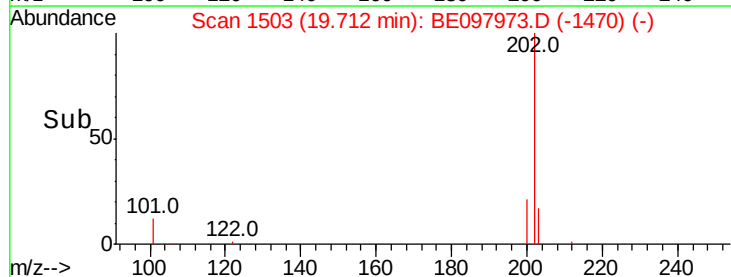
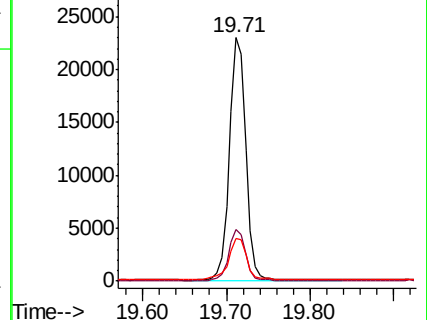
203 19.2 14.2 21.4

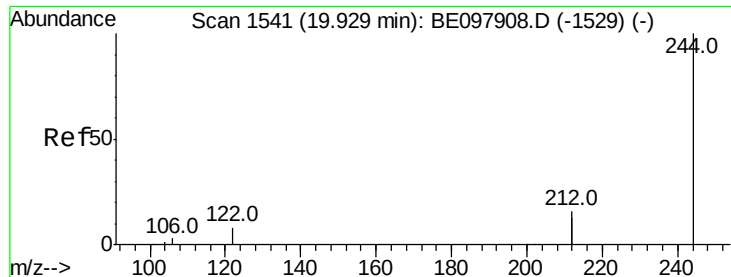


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.309 ng

RT: 19.92 min Scan# 1539

Delta R.T. -0.01 min

Lab File: BE097973.D

Acq: 18 Oct 2018 12:29

Instrument :

BNA_E

ClientSampleId :

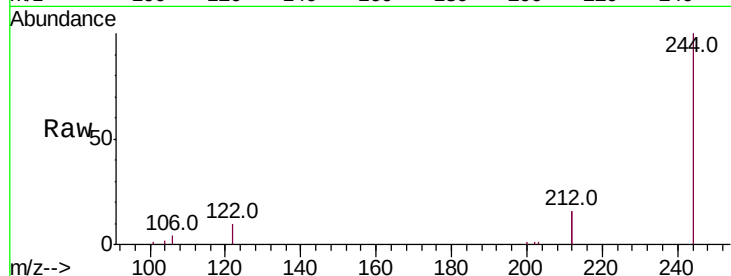
Tot Ion:244 Resp: 15989

Ion Ratio Lower Upper

244 100

212 31.8 26.2 39.2

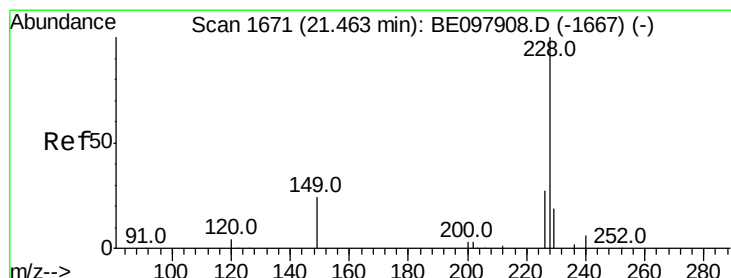
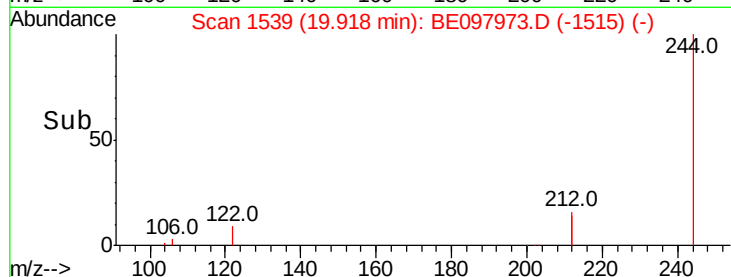
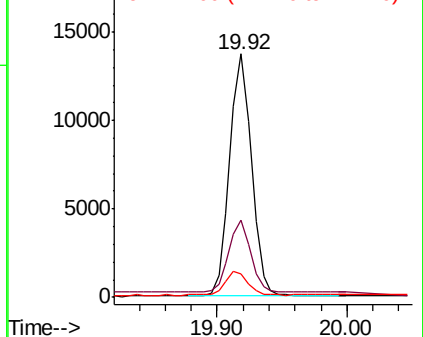
122 9.7 7.7 11.5



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: 0.442 ng

RT: 21.46 min Scan# 1671

Delta R.T. -0.00 min

Lab File: BE097973.D

Acq: 18 Oct 2018 12:29

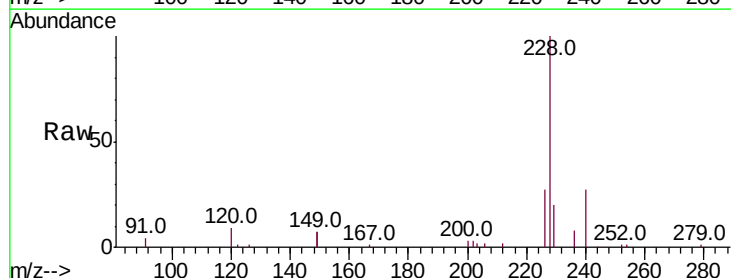
Tgt Ion:228 Resp: 30600

Ion Ratio Lower Upper

228 100

226 26.7 22.6 33.8

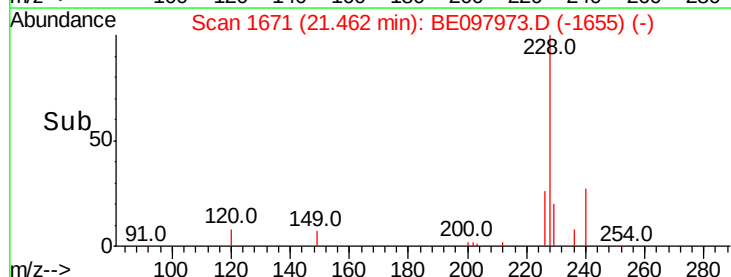
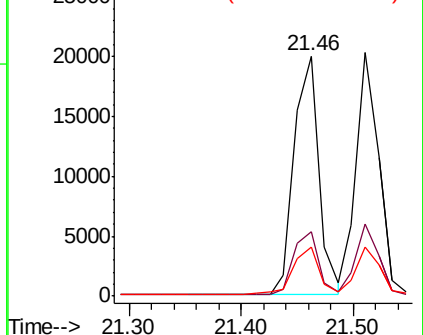
229 20.3 16.9 25.3

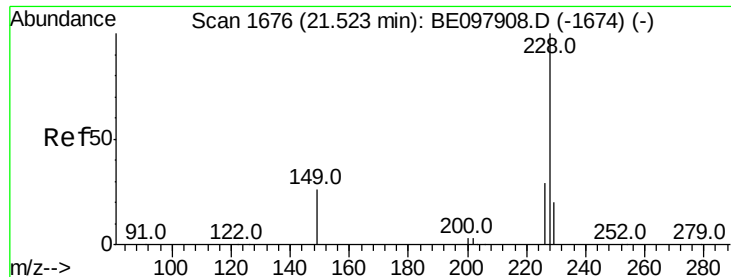


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.429 ng

RT: 21.51 min Scan# 1675

Delta R.T. -0.01 min

Lab File: BE097973.D

Acq: 18 Oct 2018 12:29

Instrument :

BNA_E

ClientSampleId :

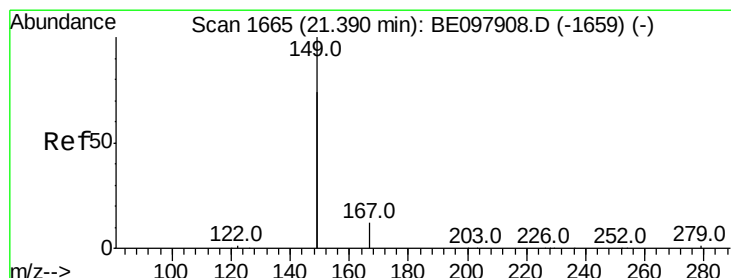
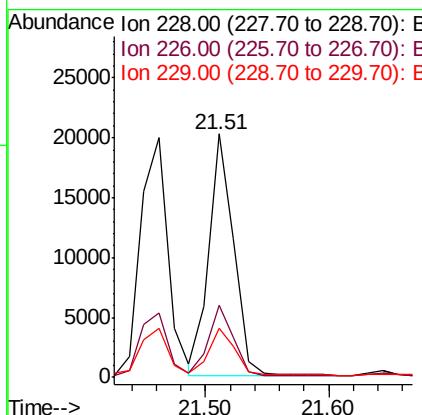
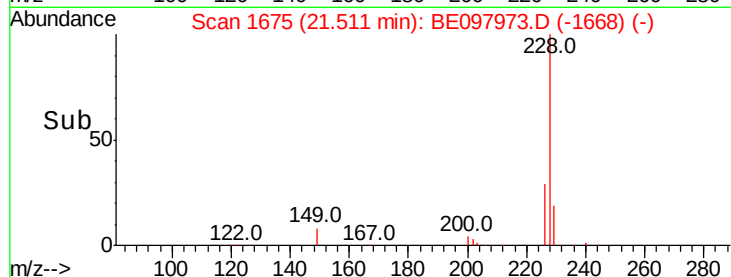
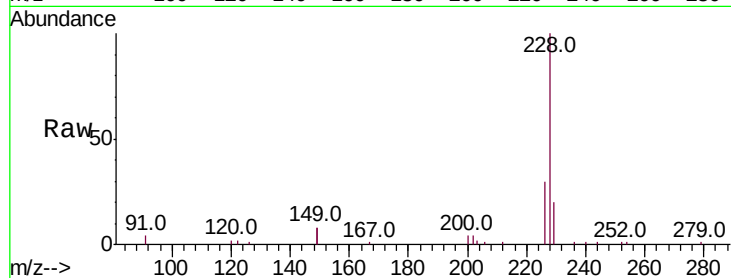
Tot Ion:228 Resp: 28144

Ion Ratio Lower Upper

228 100

226 29.8 24.3 36.5

229 20.4 17.3 25.9



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.371 ng

RT: 21.39 min Scan# 1665

Delta R.T. -0.00 min

Lab File: BE097973.D

Acq: 18 Oct 2018 12:29

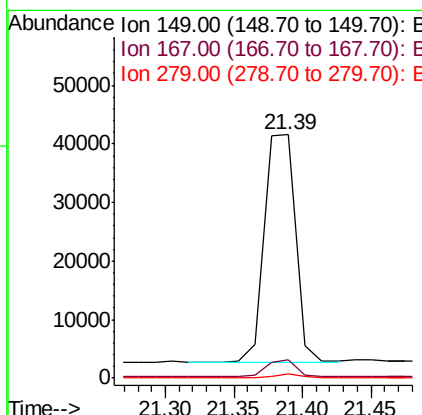
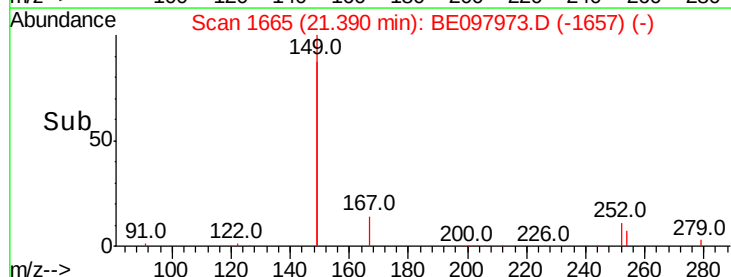
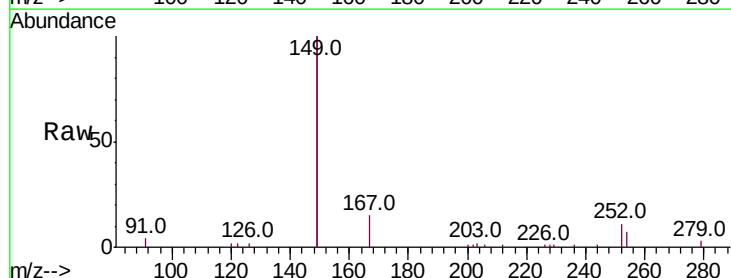
Tgt Ion:149 Resp: 61102

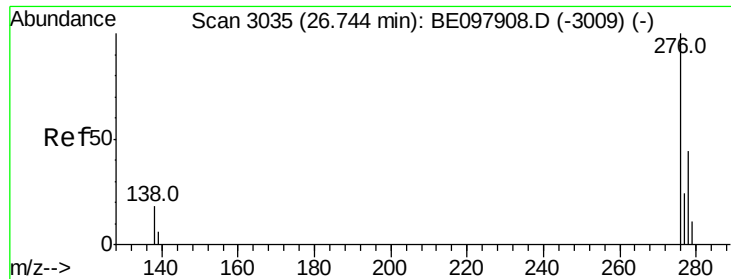
Ion Ratio Lower Upper

149 100

167 7.0 5.6 8.4

279 1.1 0.9 1.3





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.351 ng

RT: 26.72 min Scan# 3028

Delta R.T. -0.02 min

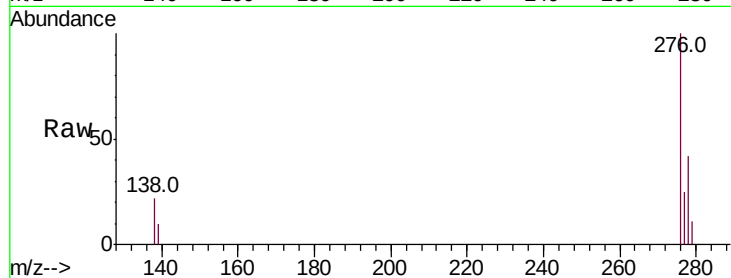
Lab File: BE097973.D

Acq: 18 Oct 2018 12:29

Instrument :

BNA_E

ClientSampleId :



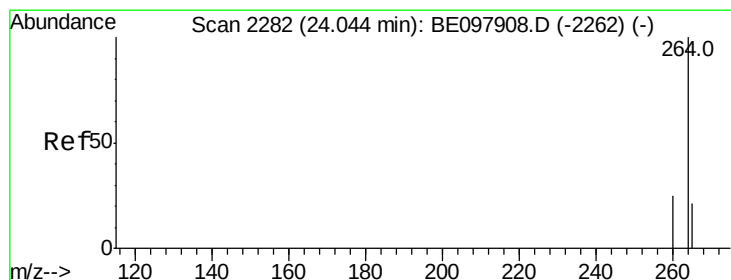
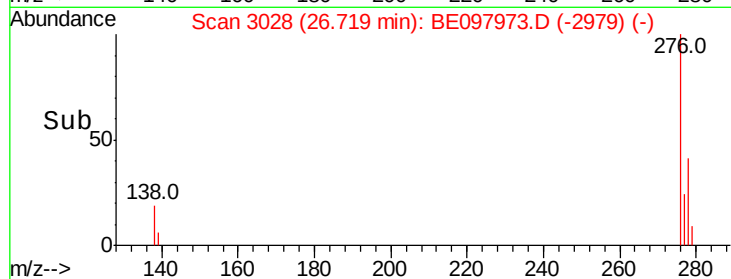
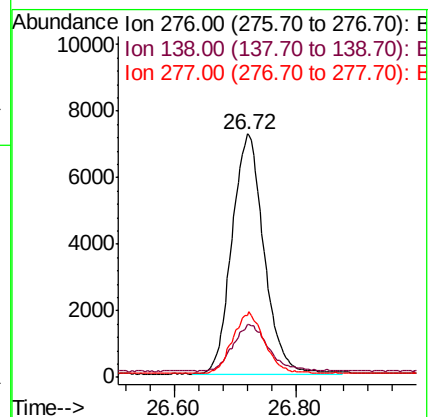
Tot Ion:276 Resp: 26438

Ion Ratio Lower Upper

276 100

138 21.0 17.0 25.6

277 24.5 20.5 30.7



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.03 min Scan# 2277

Delta R.T. -0.02 min

Lab File: BE097973.D

Acq: 18 Oct 2018 12:29

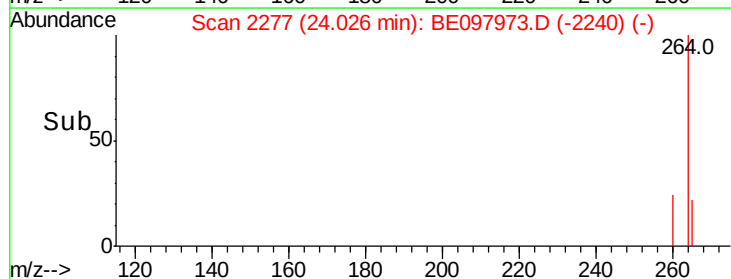
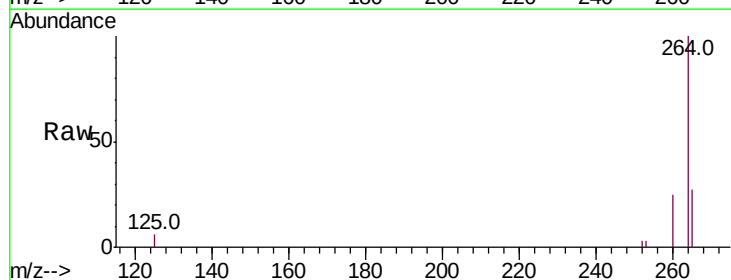
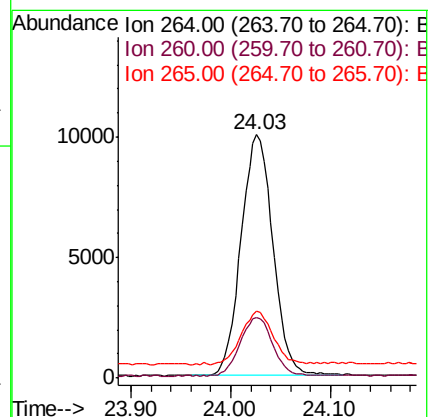
Tgt Ion:264 Resp: 22238

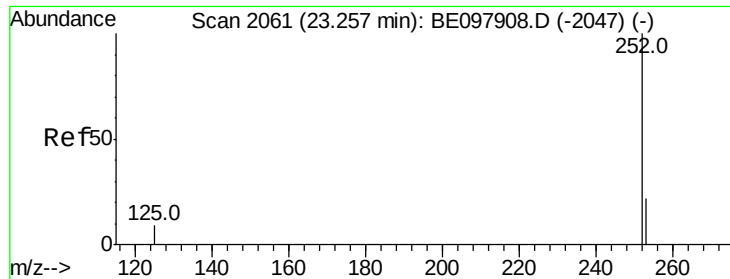
Ion Ratio Lower Upper

264 100

260 24.6 21.1 31.7

265 27.4 29.2 43.8#





#35

Benzo(b)fluoranthene

Concen: 0.420 ng

RT: 23.24 min Scan# 2057

Delta R.T. -0.01 min

Lab File: BE097973.D

Acq: 18 Oct 2018 12:29

Instrument :

BNA_E

ClientSampleId :

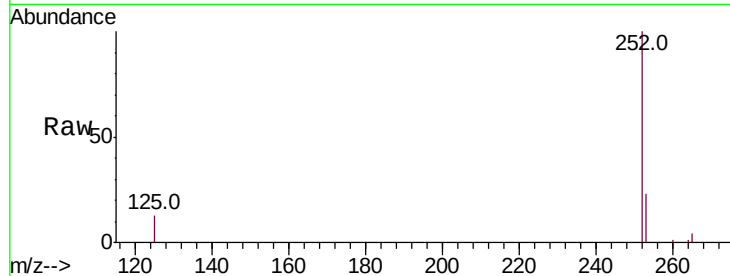
Tot Ion:252 Resp: 26874

Ion Ratio Lower Upper

252 100

253 23.3 20.6 31.0

125 12.6 14.3 21.5#

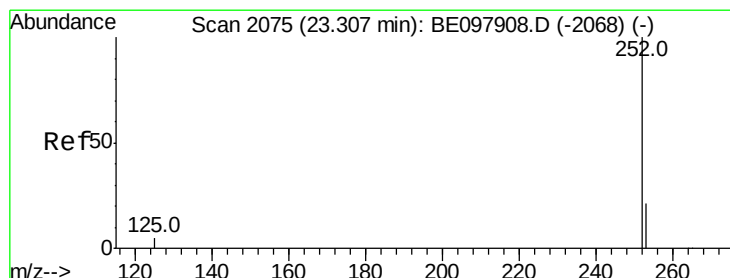
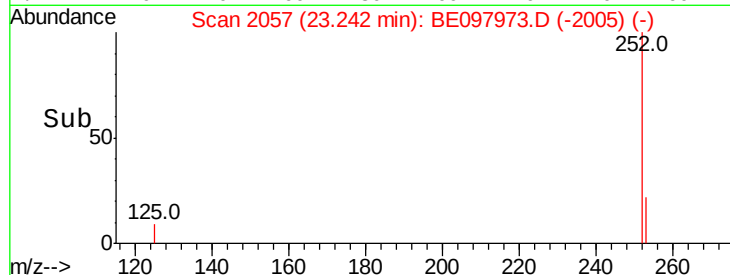
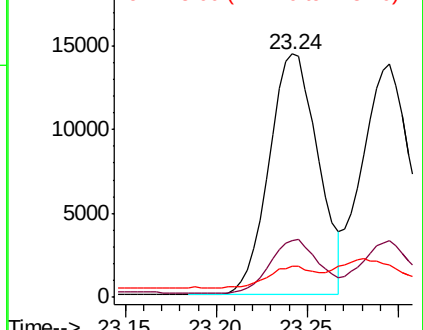


Abundance

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: 0.390 ng

RT: 23.30 min Scan# 2072

Delta R.T. -0.01 min

Lab File: BE097973.D

Acq: 18 Oct 2018 12:29

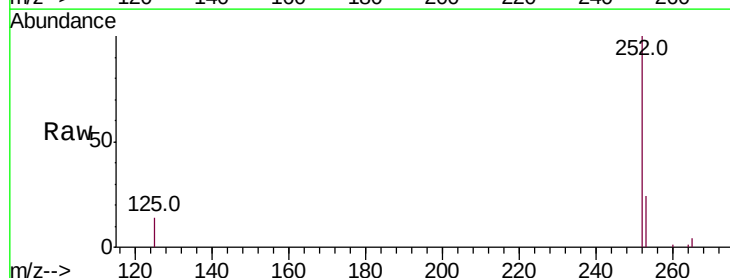
Tgt Ion:252 Resp: 26007

Ion Ratio Lower Upper

252 100

253 24.3 20.4 30.6

125 13.9 14.6 21.8#

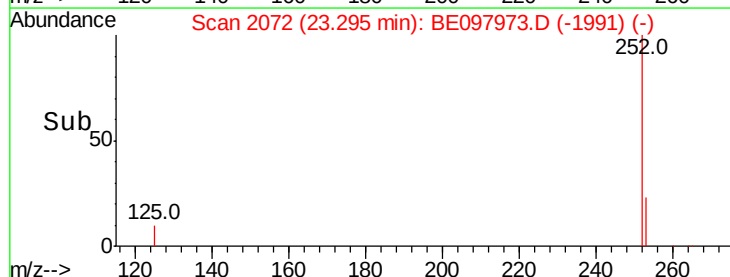
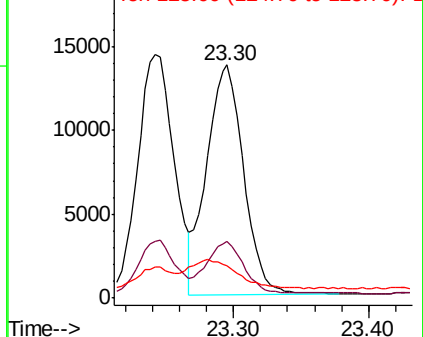


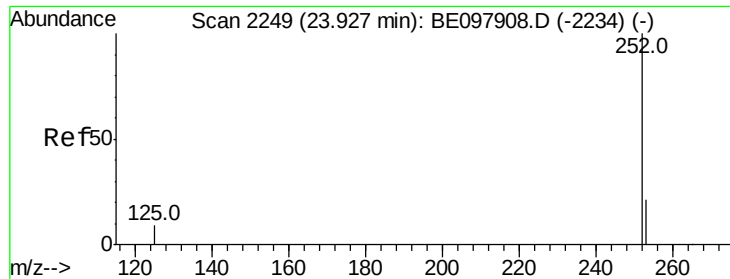
Abundance

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: 0.415 ng

RT: 23.91 min Scan# 2244

Delta R.T. -0.02 min

Lab File: BE097973.D

Acq: 18 Oct 2018 12:29

Instrument :

BNA_E

ClientSampleId :

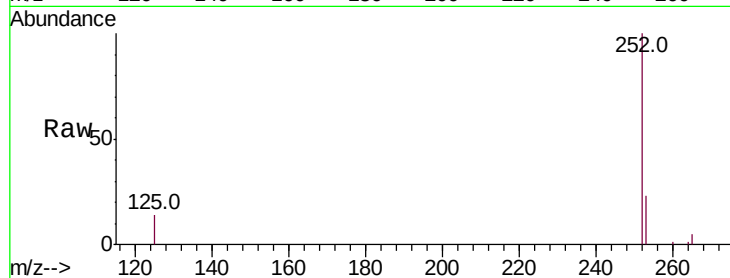
Tot Ion:252 Resp: 25903

Ion Ratio Lower Upper

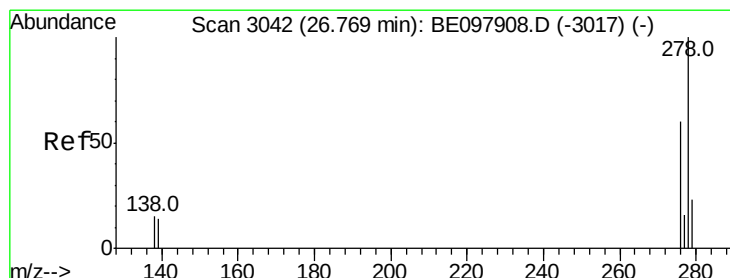
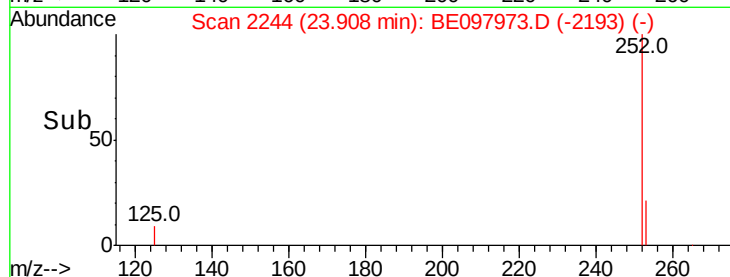
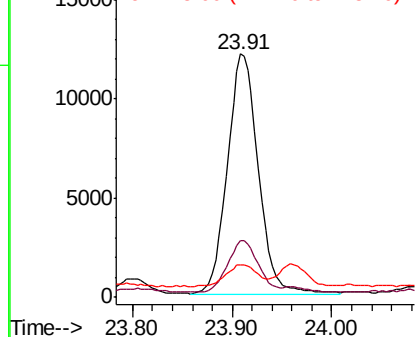
252 100

253 23.3 20.6 31.0

125 13.6 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: 0.349 ng

RT: 26.74 min Scan# 3035

Delta R.T. -0.02 min

Lab File: BE097973.D

Acq: 18 Oct 2018 12:29

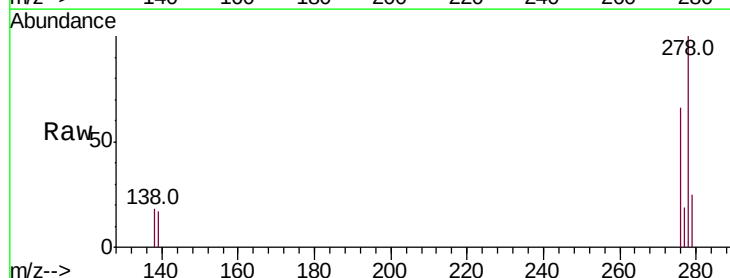
Tgt Ion:278 Resp: 21329

Ion Ratio Lower Upper

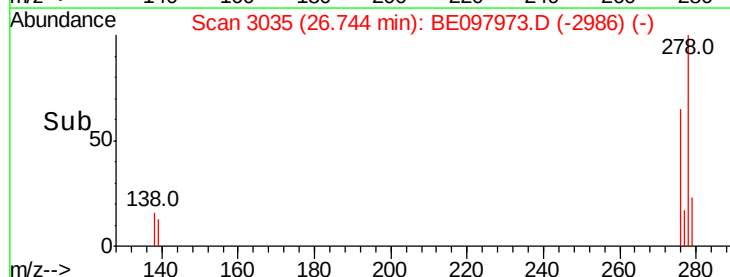
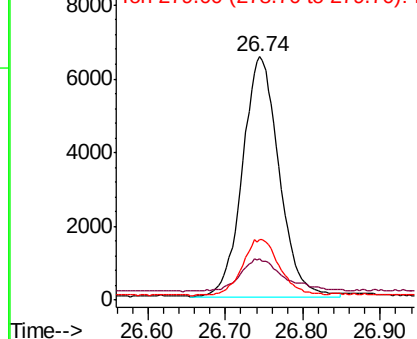
278 100

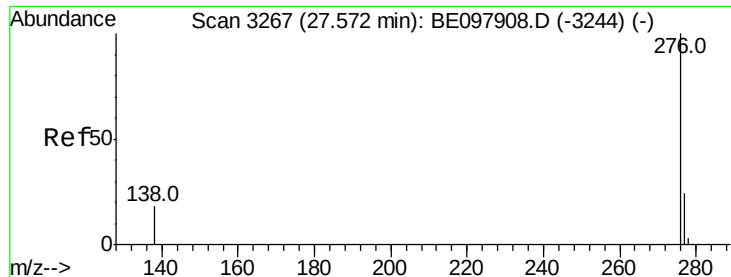
139 17.1 16.3 24.5

279 24.9 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: 0.359 ng

RT: 27.55 min Scan# 3260

Delta R.T. -0.02 min

Lab File: BE097973.D

Acq: 18 Oct 2018 12:29

Instrument :

BNA_E

ClientSampleId :

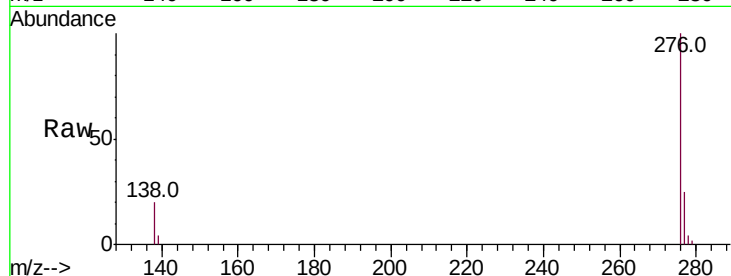
Tot Ion: 276 Resp: 22458

Ion Ratio Lower Upper

276 100

277 24.5 22.1 33.1

138 20.0 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

