

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE101818\
 Data File : BE097974.D
 Acq On : 18 Oct 2018 13:05
 Operator : SJ/JU
 Sample : J5521-12MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 19 01:07:17 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	7.88	152	2206	0.40	ng	-0.01
7) Naphthalene-d8	10.68	136	9686	0.40	ng	-0.01
13) Acenaphthene-d10	14.54	164	5979	0.40	ng	-0.02
19) Phenanthrene-d10	17.29	188	16426	0.40	ng	-0.01
27) Chrysene-d12	21.47	240	23100	0.40	ng	-0.01
34) Perylene-d12	24.03	264	22391	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.46	112	2739	0.39	ng	-0.01
5) Phenol-d6	7.05	99	3962	0.39	ng	-0.01
8) Nitrobenzene-d5	9.03	82	3242	0.35	ng	-0.01
11) 2-Methylnaphthalene-d10	12.28	152	6630	0.41	ng	-0.02
14) 2,4,6-Tribromophenol	16.03	330	1045	0.32	ng	-0.01
15) 2-Fluorobiphenyl	13.16	172	8015	0.33	ng	-0.02
25) Fluoranthene-d10	19.32	212	82745	0.37	ng	-0.01
29) Terphenyl-d14	19.92	244	16118	0.30	ng	-0.01

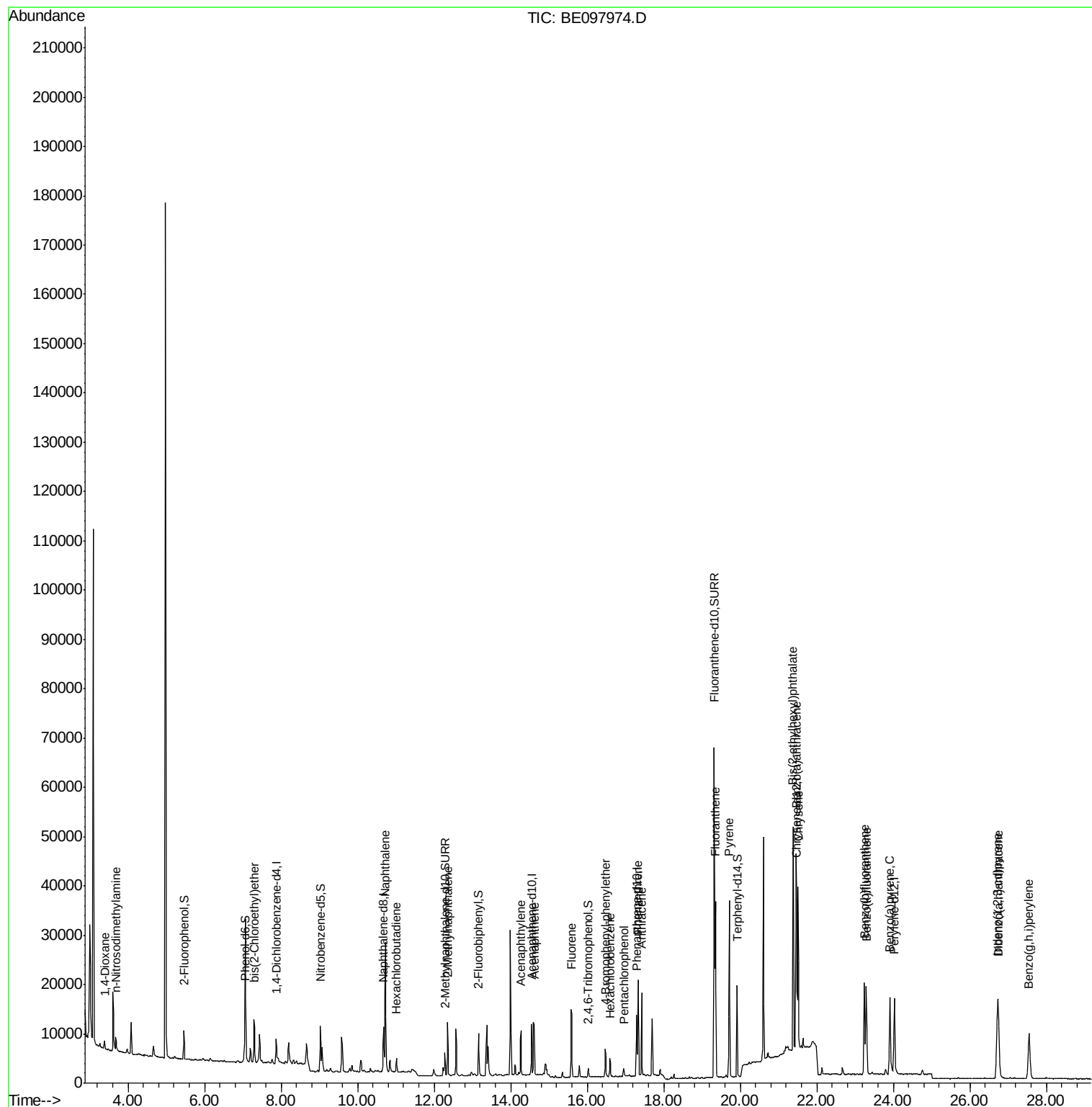
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.38	88	987	0.257	ng	# 69
3) n-Nitrosodimethylamine	3.68	42	1666	0.388	ng	# 86
6) bis(2-Chloroethyl)ether	7.30	93	3126	0.358	ng	99
9) Naphthalene	10.73	128	40550	0.420	ng	99
10) Hexachlorobutadiene	11.02	225	1834	0.353	ng	98
12) 2-Methylnaphthalene	12.35	142	7226	0.437	ng	96
16) Acenaphthylene	14.27	152	11425	0.414	ng	100
17) Acenaphthene	14.61	154	6656	0.394	ng	99
18) Fluorene	15.59	166	9433	0.406	ng	98
20) 4-Bromophenyl-phenylether	16.48	248	3185	0.355	ng	# 91
21) Hexachlorobenzene	16.60	284	2986	0.338	ng	100
22) Pentachlorophenol	16.95	266	1127	0.507	ng	91
23) Phenanthrene	17.33	178	21518	0.516	ng	99
24) Anthracene	17.42	178	17064	0.433	ng	99
26) Fluoranthene	19.35	202	31040	0.567	ng	98
28) Pyrene	19.71	202	31182	0.468	ng	98
30) Benzo(a)anthracene	21.46	228	30451	0.430	ng	98
31) Chrysene	21.51	228	28083	0.418	ng	98
32) Bis(2-ethylhexyl)phthalate	21.38	149	61135	0.360	ng	100
33) Indeno(1,2,3-cd)pyrene	26.72	276	26442	0.339	ng	98
35) Benzo(b)fluoranthene	23.25	252	27352	0.425	ng	# 92
36) Benzo(k)fluoranthene	23.30	252	26191	0.390	ng	# 94
37) Benzo(a)pyrene	23.91	252	25736	0.410	ng	# 93
38) Dibenzo(a,h)anthracene	26.74	278	21218	0.345	ng	96
39) Benzo(g,h,i)perylene	27.55	276	22564	0.358	ng	94

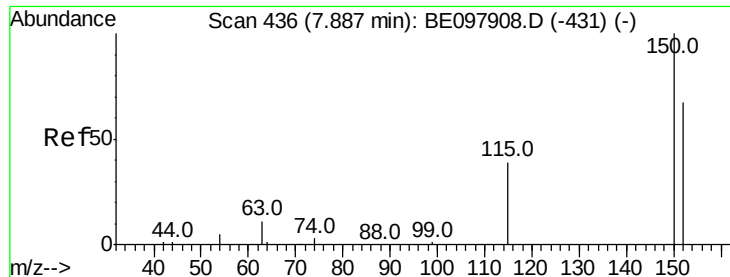
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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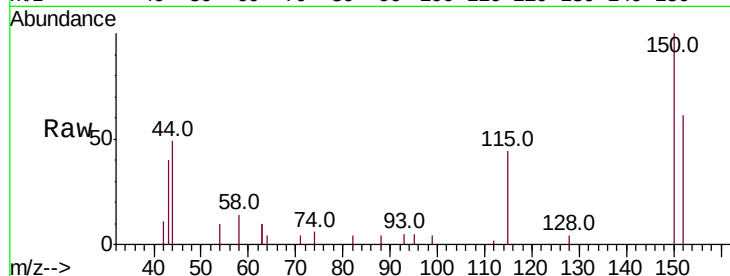


#1

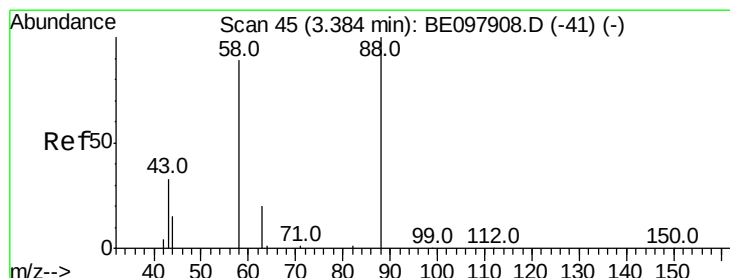
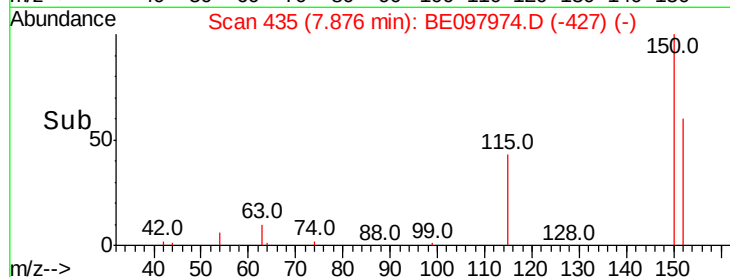
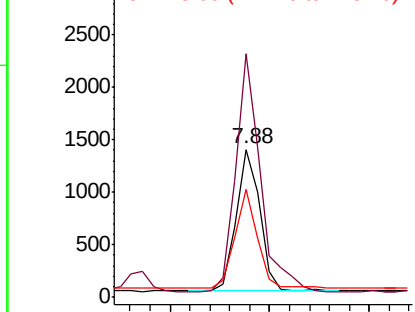
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.88 min Scan# 435
Delta R.T. -0.01 min
Lab File: BE097974.D
Acq: 18 Oct 2018 13:05

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 2206
Ion Ratio Lower Upper
152 100
150 165.0 118.2 177.4
115 73.0 50.9 76.3



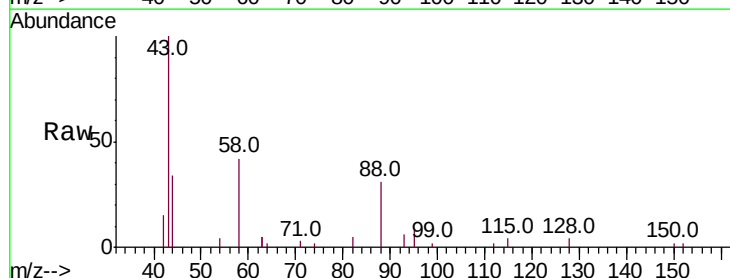
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



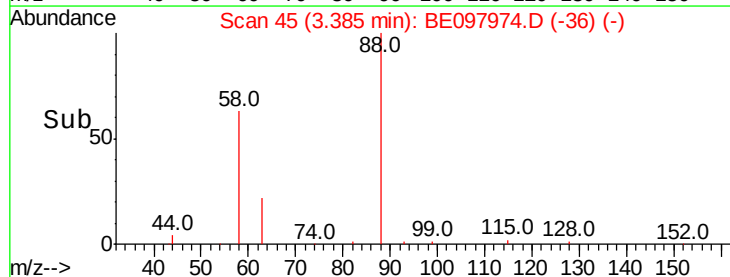
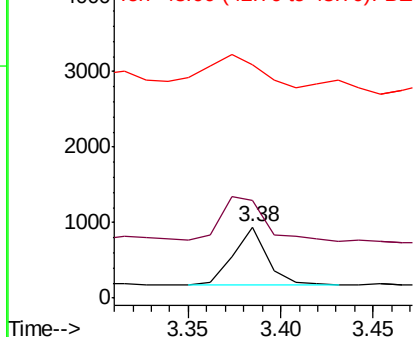
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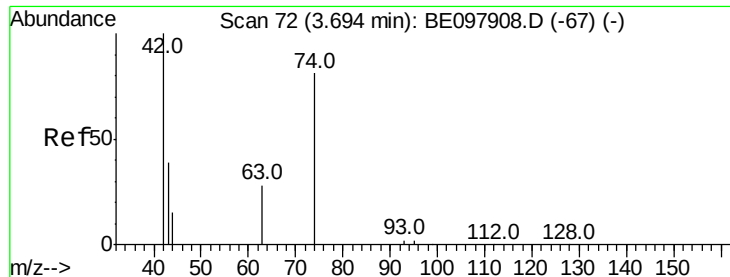
1,4-Dioxane
Concen: 0.257 ng
RT: 3.38 min Scan# 45
Delta R.T. 0.00 min
Lab File: BE097974.D
Acq: 18 Oct 2018 13:05

Tgt Ion: 88 Resp: 987
Ion Ratio Lower Upper
88 100
58 102.6 73.2 109.8
43 91.1 36.9 55.3#



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



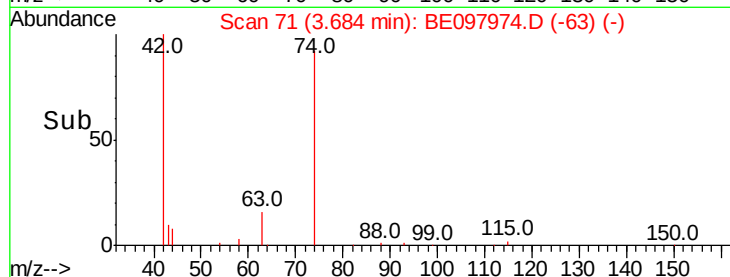
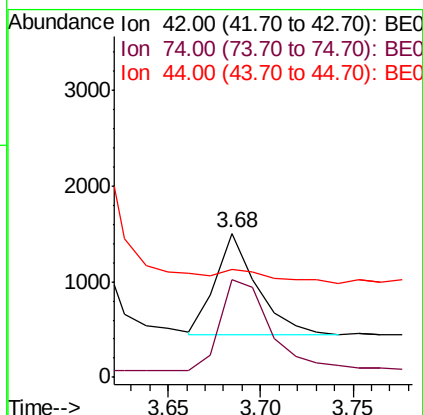
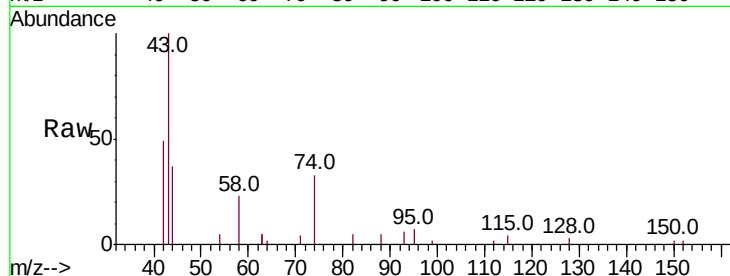


#3

n-Nitrosodimethylamine
 Concen: 0.388 ng
 RT: 3.68 min Scan# 71
 Delta R.T. -0.01 min
 Lab File: BE097974.D
 Acq: 18 Oct 2018 13:05

Instrument :
 BNA_E
 ClientSampleId :

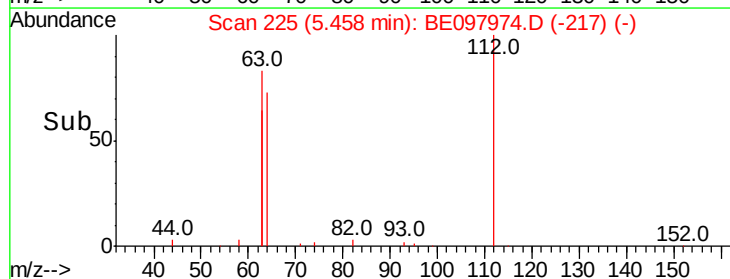
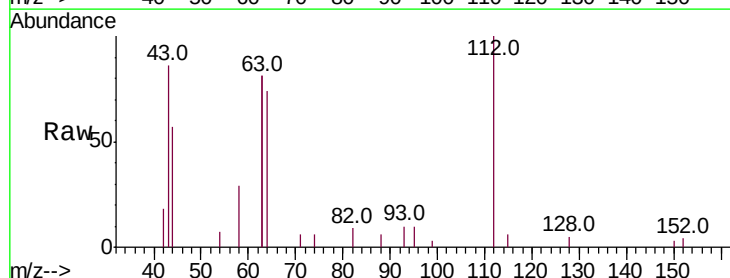
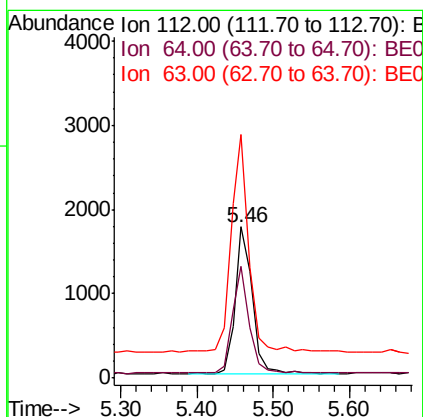
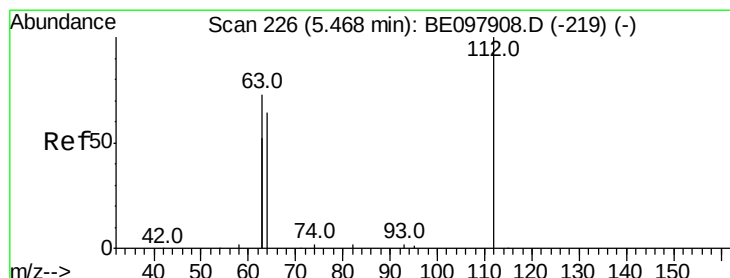
Tot Ion: 42 Resp: 1666
 Ion Ratio Lower Upper
 42 100
 74 109.2 77.6 116.4
 44 0.0 7.6 11.4#

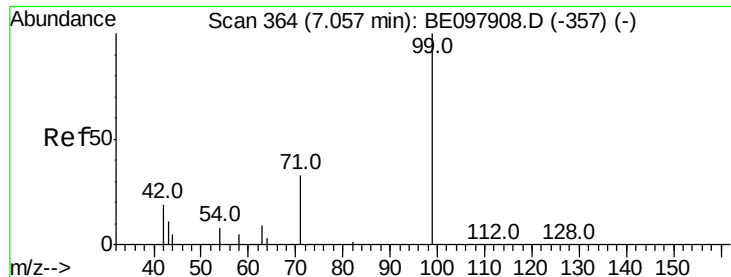


#4

2-Fluorophenol
 Concen: 0.394 ng
 RT: 5.46 min Scan# 225
 Delta R.T. -0.01 min
 Lab File: BE097974.D
 Acq: 18 Oct 2018 13:05

Tgt Ion: 112 Resp: 2739
 Ion Ratio Lower Upper
 112 100
 64 73.1 58.9 88.3
 63 154.0 120.3 180.5





#5

Phenol-d6

Concen: 0.385 ng

RT: 7.05 min Scan# 363

Delta R.T. -0.01 min

Lab File: BE097974.D

Acq: 18 Oct 2018 13:05

Instrument :

BNA_E

ClientSampleId :

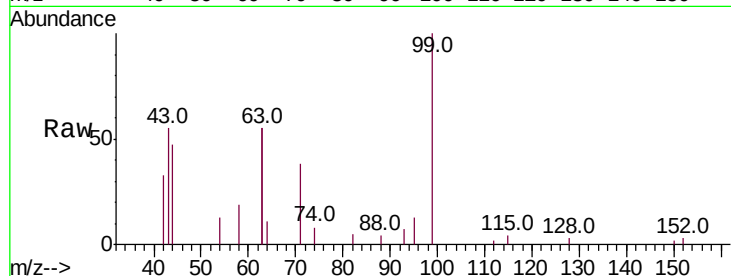
Tot Ion: 99 Resp: 3962

Ion Ratio Lower Upper

99 100

42 55.4 19.9 29.9#

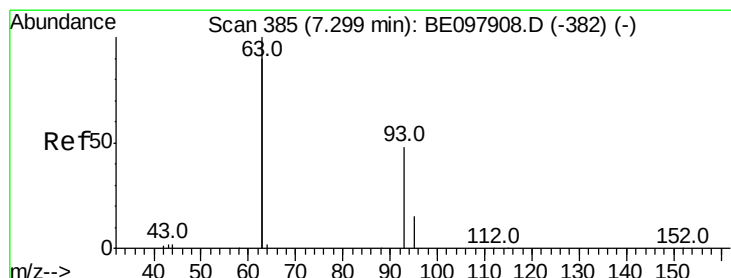
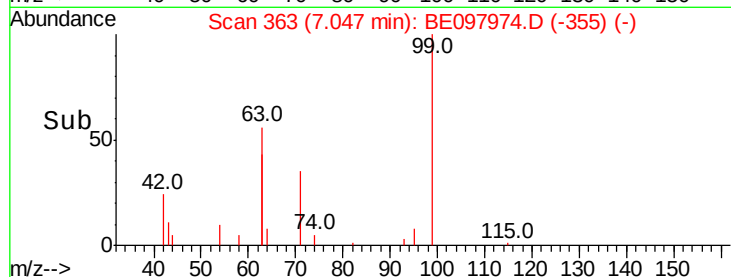
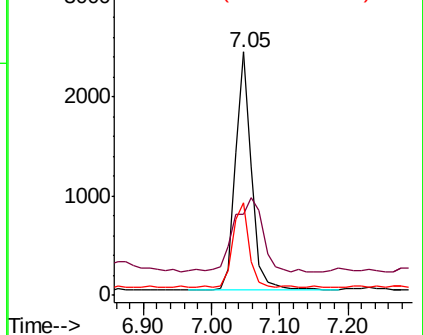
71 36.2 27.8 41.8



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: 0.358 ng

RT: 7.30 min Scan# 385

Delta R.T. 0.00 min

Lab File: BE097974.D

Acq: 18 Oct 2018 13:05

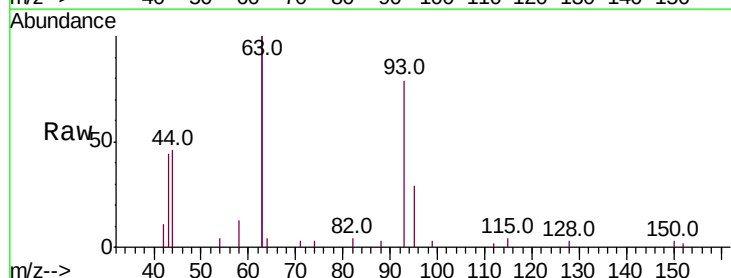
Tgt Ion: 93 Resp: 3126

Ion Ratio Lower Upper

93 100

63 325.8 259.0 388.4

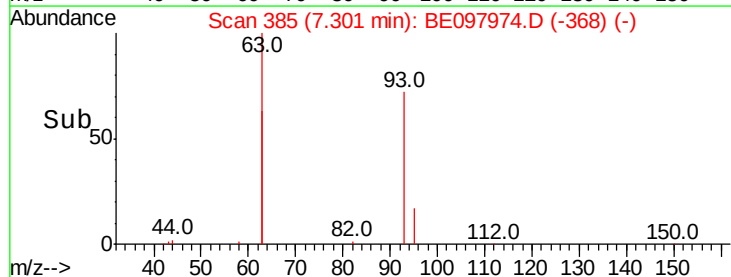
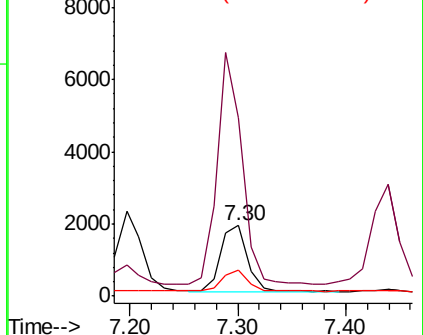
95 31.9 27.8 41.8

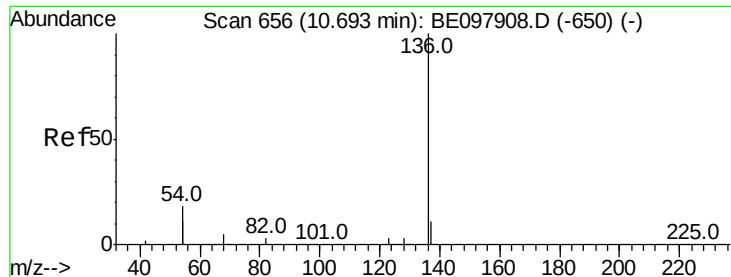


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE097974.D

Acq: 18 Oct 2018 13:05

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 9686

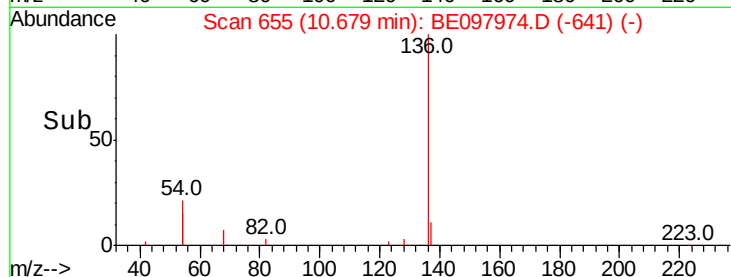
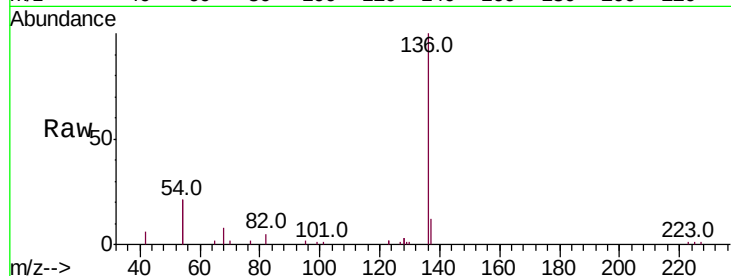
Ion Ratio Lower Upper

136 100

137 11.7 9.6 14.4

54 42.5 27.7 41.5#

68 8.2 5.3 7.9#

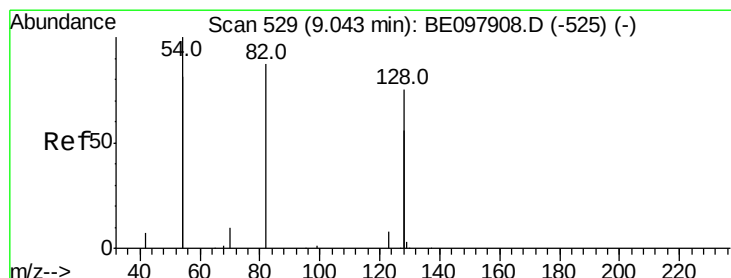
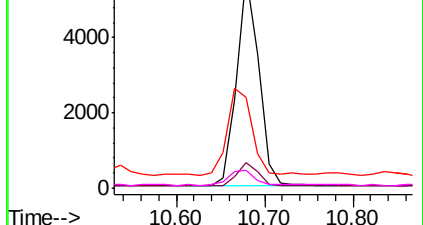


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.353 ng

RT: 9.03 min Scan# 528

Delta R.T. -0.01 min

Lab File: BE097974.D

Acq: 18 Oct 2018 13:05

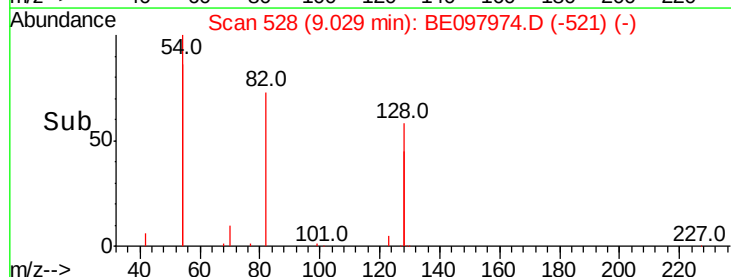
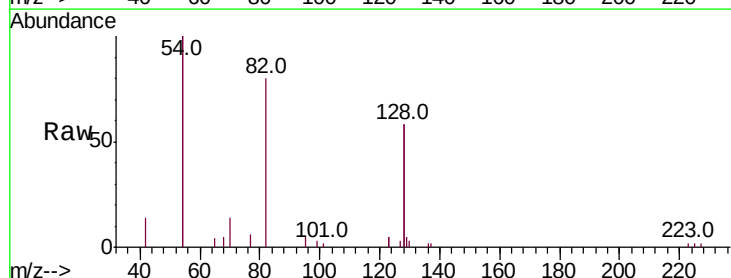
Tgt Ion: 82 Resp: 3242

Ion Ratio Lower Upper

82 100

128 145.6 129.9 194.9

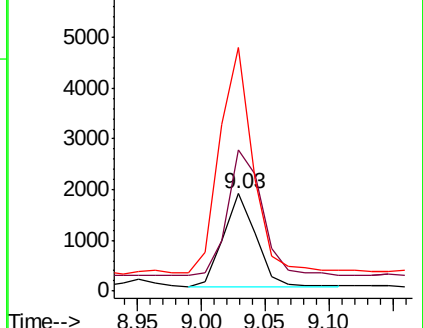
54 250.8 174.0 261.0

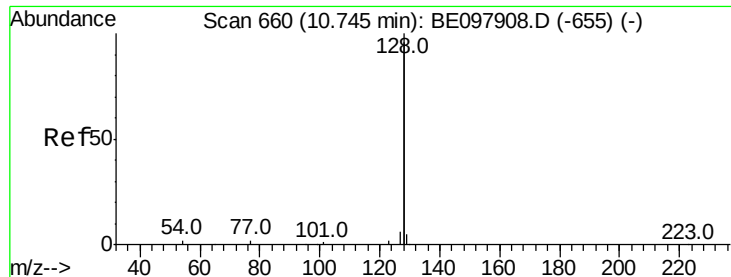


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

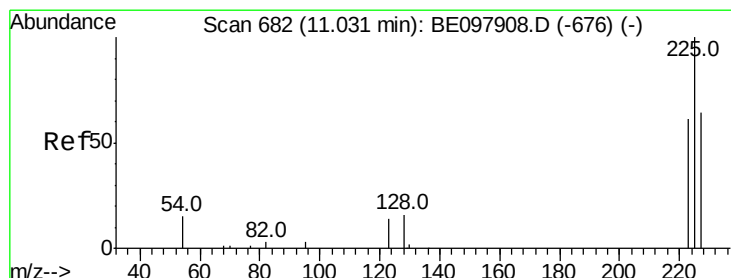
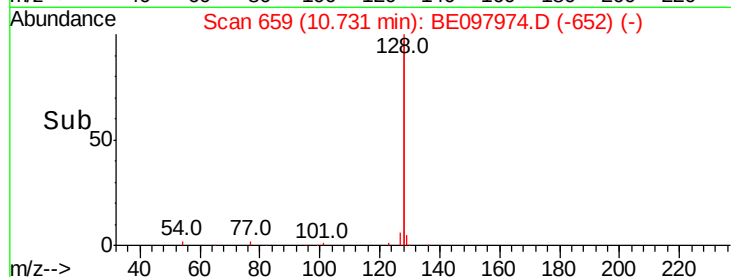
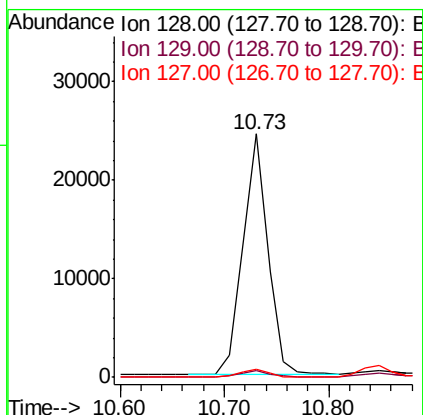
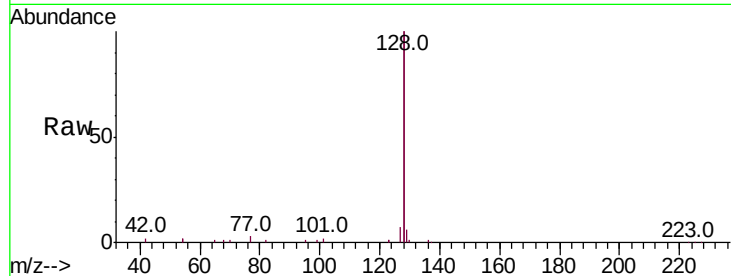




#9
Naphthalene
Concen: 0.420 ng
RT: 10.73 min Scan# 659
Delta R.T. -0.01 min
Lab File: BE097974.D
Acq: 18 Oct 2018 13:05

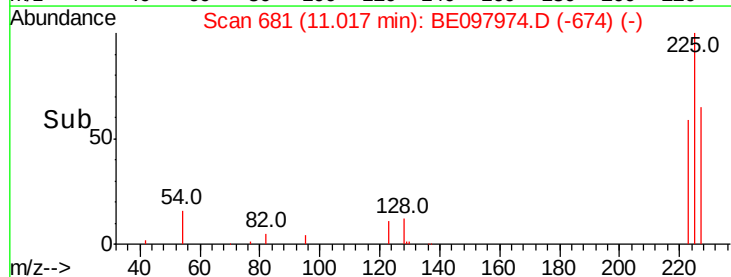
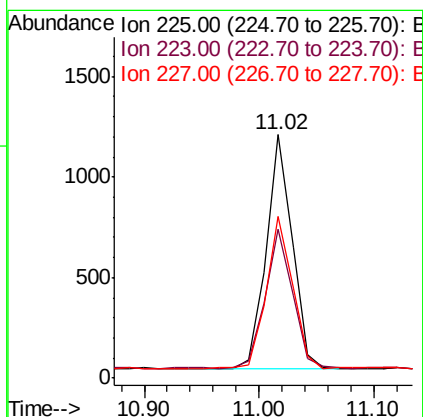
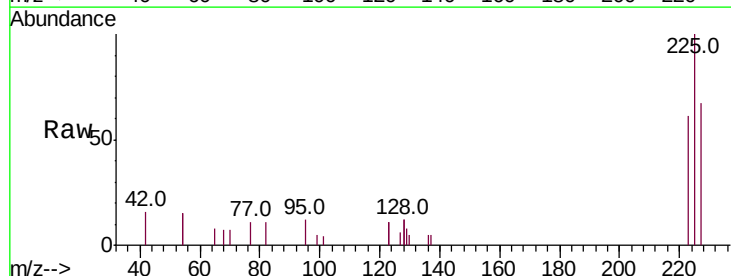
Instrument :
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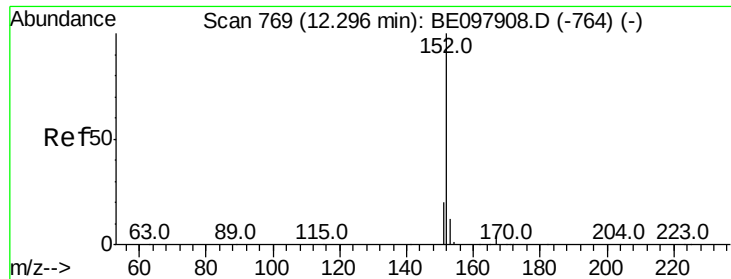
Tot Ion:128 Resp: 40550
Ion Ratio Lower Upper
128 100
129 2.8 2.5 3.7
127 3.4 2.8 4.2



#10
Hexachlorobutadiene
Concen: 0.353 ng
RT: 11.02 min Scan# 681
Delta R.T. -0.01 min
Lab File: BE097974.D
Acq: 18 Oct 2018 13:05

Tgt Ion:225 Resp: 1834
Ion Ratio Lower Upper
225 100
223 62.5 51.8 77.8
227 66.6 53.0 79.6

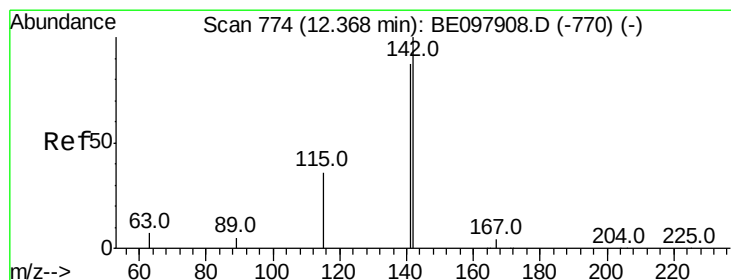
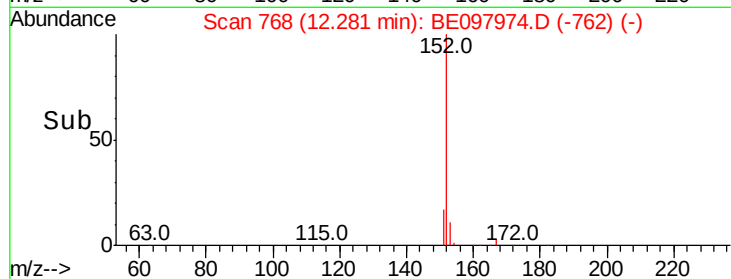
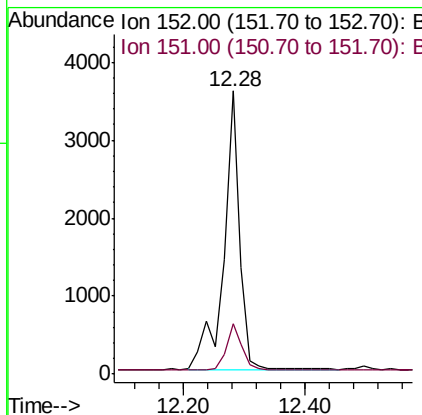
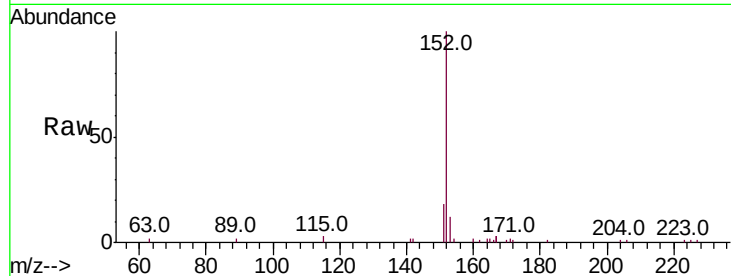




#11
 2-Methylnaphthalene-d10
 Concen: 0.411 ng
 RT: 12.28 min Scan# 768
 Delta R.T. -0.02 min
 Lab File: BE097974.D
 Acq: 18 Oct 2018 13:05

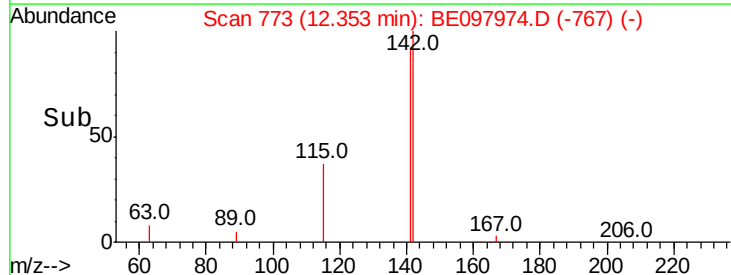
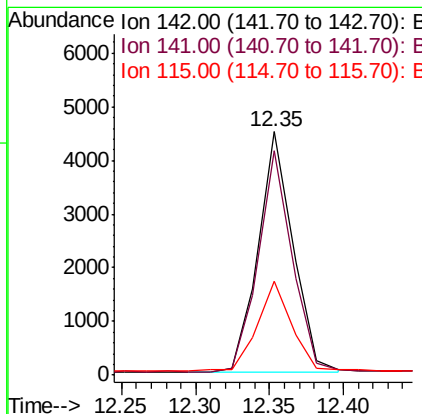
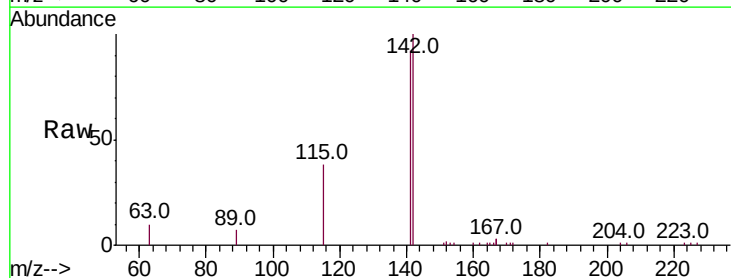
Instrument :
 BNA_E
 ClientSampleId :

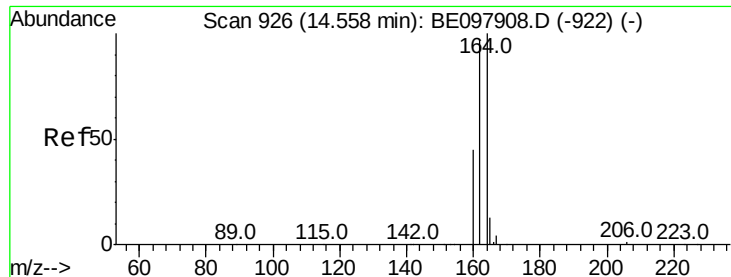
Tot Ion:152 Resp: 6630
 Ion Ratio Lower Upper
 152 100
 151 16.1 16.2 24.4#



#12
 2-Methylnaphthalene
 Concen: 0.437 ng
 RT: 12.35 min Scan# 773
 Delta R.T. -0.02 min
 Lab File: BE097974.D
 Acq: 18 Oct 2018 13:05

Tgt Ion:142 Resp: 7226
 Ion Ratio Lower Upper
 142 100
 141 92.0 69.8 104.6
 115 38.3 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: BE097974.D

Acq: 18 Oct 2018 13:05

Instrument :

BNA_E

ClientSampleId :

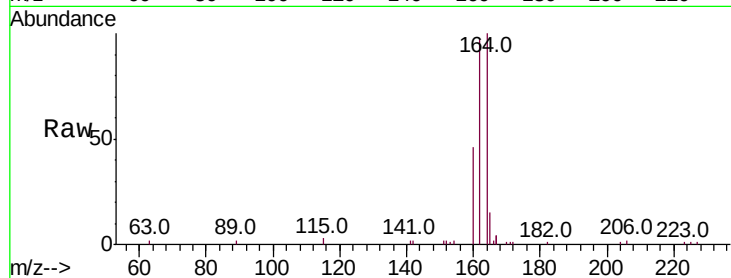
Tot Ion:164 Resp: 5979

Ion Ratio Lower Upper

164 100

162 96.5 77.4 116.2

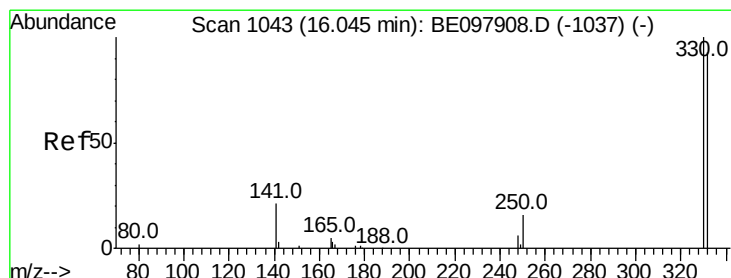
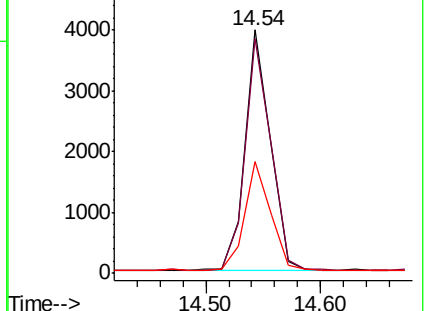
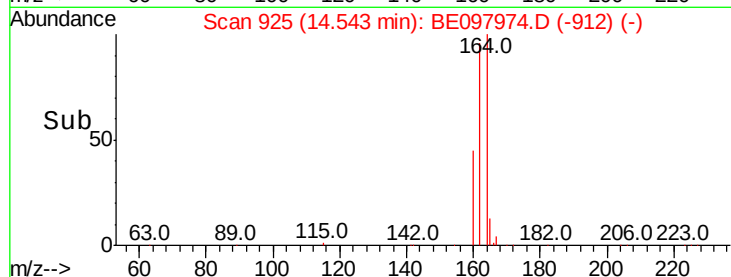
160 45.8 36.5 54.7



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: 0.325 ng

RT: 16.03 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BE097974.D

Acq: 18 Oct 2018 13:05

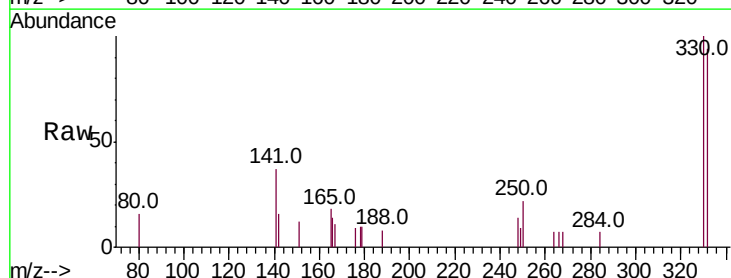
Tgt Ion:330 Resp: 1045

Ion Ratio Lower Upper

330 100

332 92.1 76.5 114.7

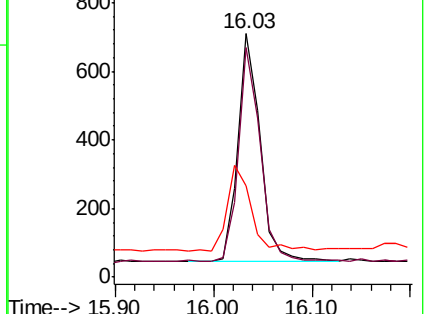
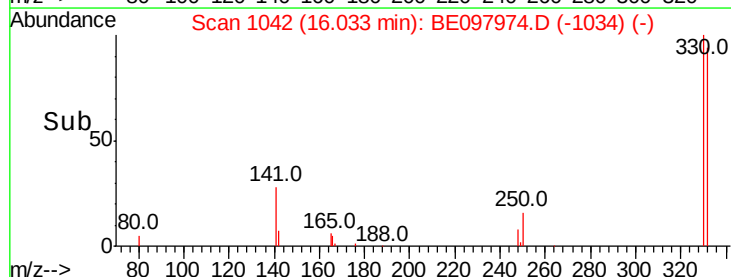
141 40.6 31.8 47.6

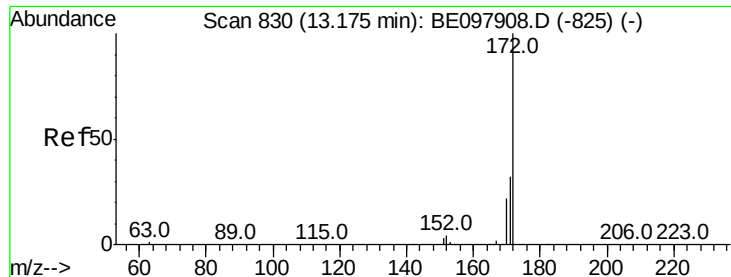


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.328 ng

RT: 13.16 min Scan# 829

Delta R.T. -0.02 min

Lab File: BE097974.D

Acq: 18 Oct 2018 13:05

Instrument :

BNA_E

ClientSampleId :

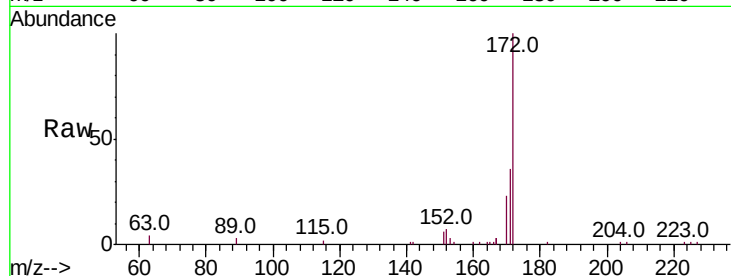
Tot Ion:172 Resp: 8015

Ion Ratio Lower Upper

172 100

171 35.6 26.0 39.0

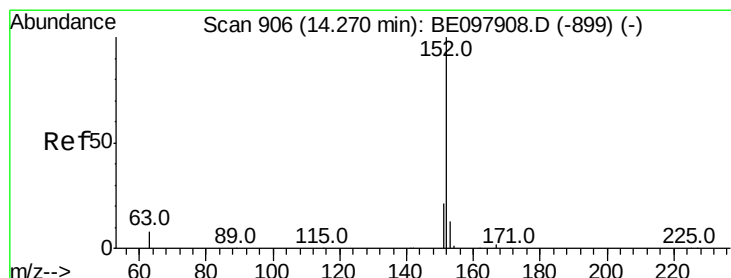
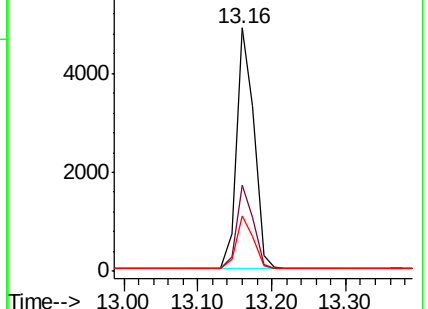
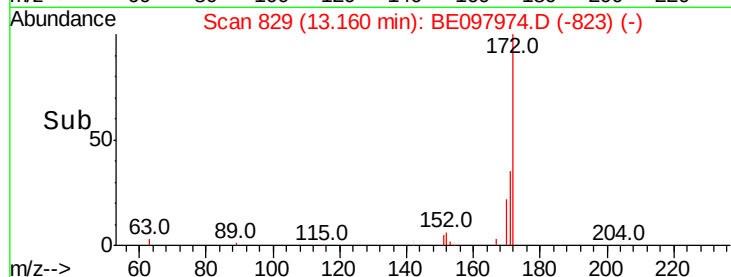
170 22.9 18.0 27.0



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: 0.414 ng

RT: 14.27 min Scan# 906

Delta R.T. -0.00 min

Lab File: BE097974.D

Acq: 18 Oct 2018 13:05

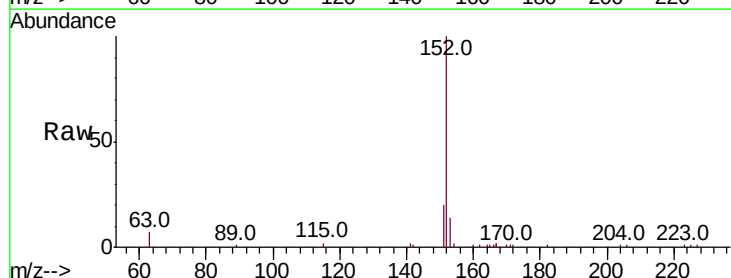
Tgt Ion:152 Resp: 11425

Ion Ratio Lower Upper

152 100

151 19.9 16.1 24.1

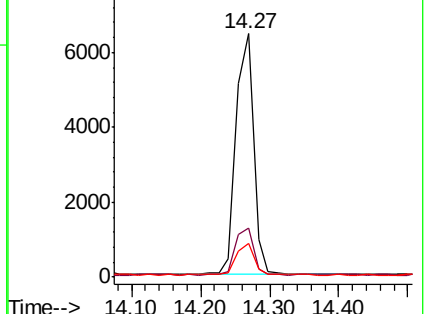
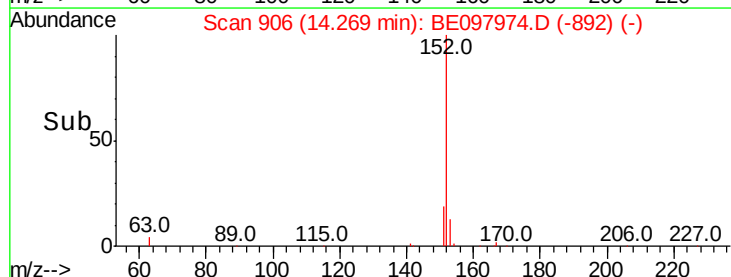
153 13.5 10.9 16.3

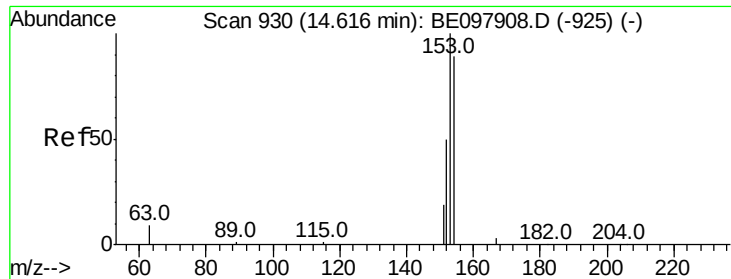


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

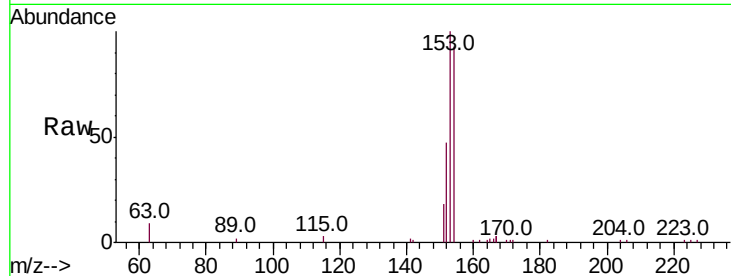




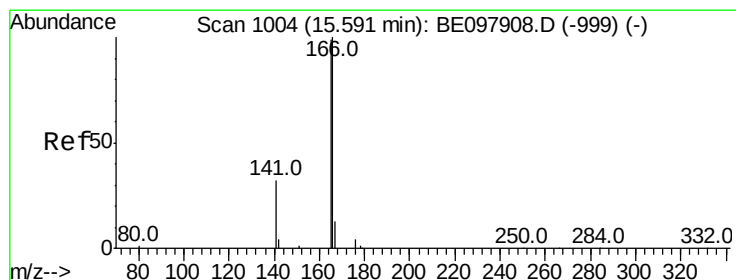
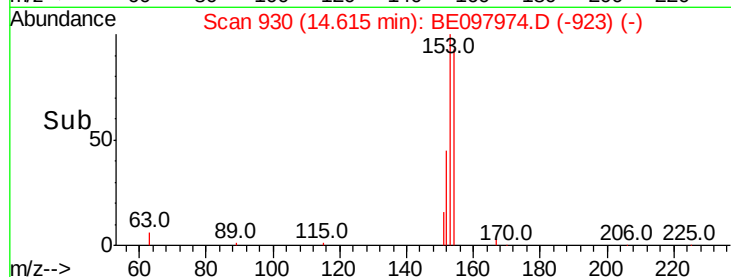
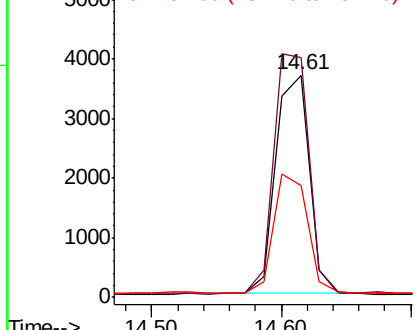
#17
Acenaphthene
Concen: 0.394 ng
RT: 14.61 min Scan# 930
Delta R.T. -0.00 min
Lab File: BE097974.D
Acq: 18 Oct 2018 13:05

Instrument :
BNA_E
ClientSampled :

Tot Ion:154 Resp: 6656
Ion Ratio Lower Upper
154 100
153 114.8 92.6 139.0
152 55.0 45.5 68.3

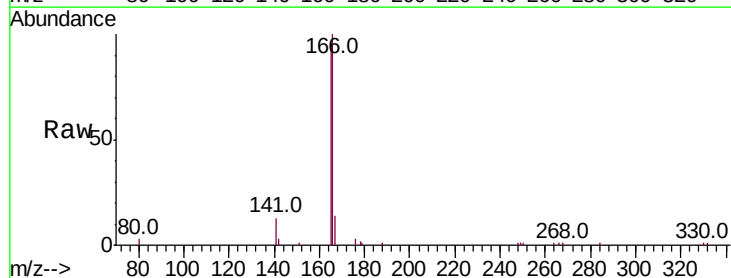


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

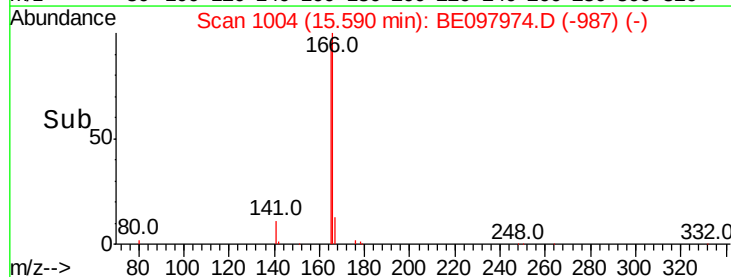
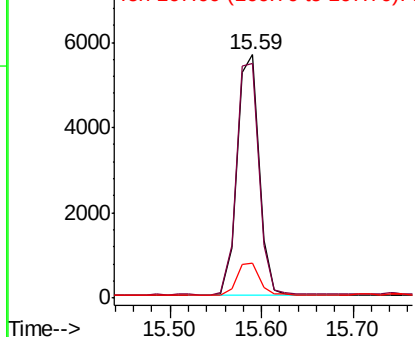


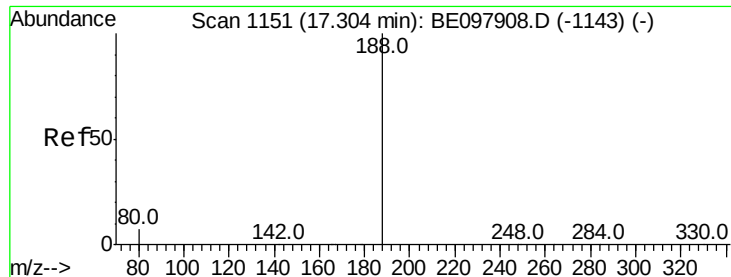
#18
Fluorene
Concen: 0.406 ng
RT: 15.59 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BE097974.D
Acq: 18 Oct 2018 13:05

Tgt Ion:166 Resp: 9433
Ion Ratio Lower Upper
166 100
165 99.4 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: BE097974.D

Acq: 18 Oct 2018 13:05

Instrument :

BNA_E

ClientSampleId :

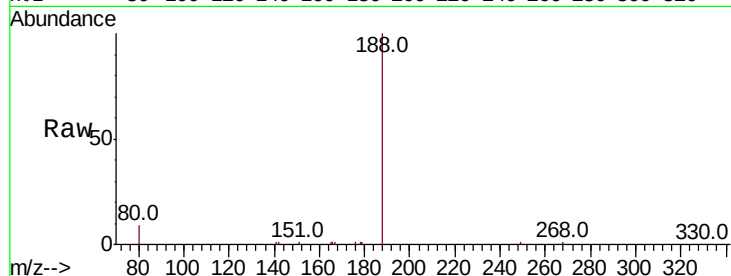
Tot Ion:188 Resp: 16426

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

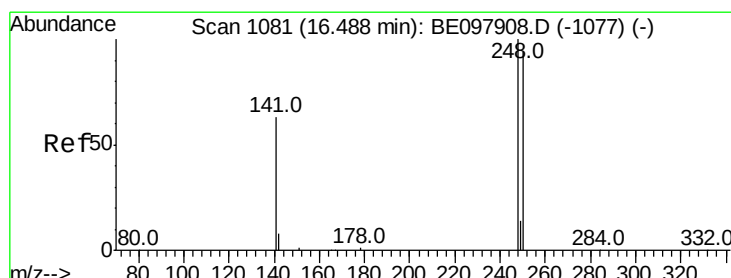
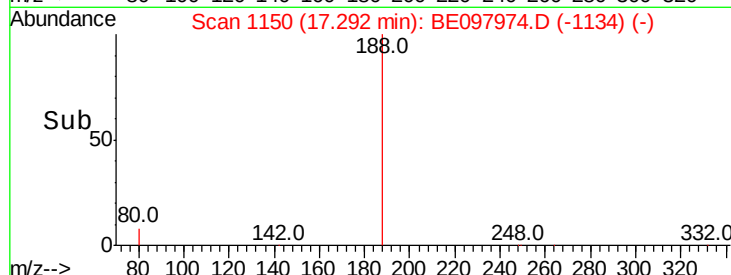
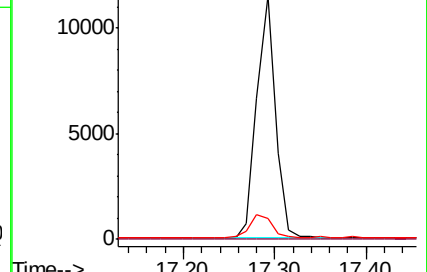
80 8.7 6.3 9.5



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: 0.355 ng

RT: 16.48 min Scan# 1080

Delta R.T. -0.01 min

Lab File: BE097974.D

Acq: 18 Oct 2018 13:05

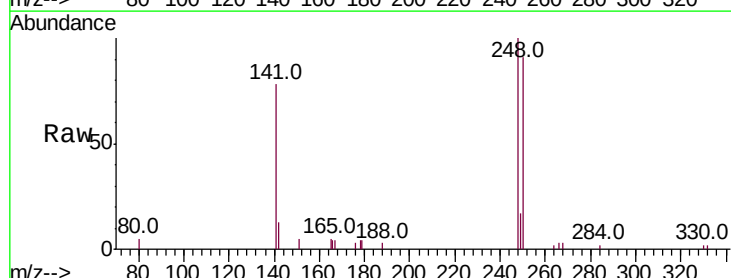
Tgt Ion:248 Resp: 3185

Ion Ratio Lower Upper

248 100

250 91.4 75.1 112.7

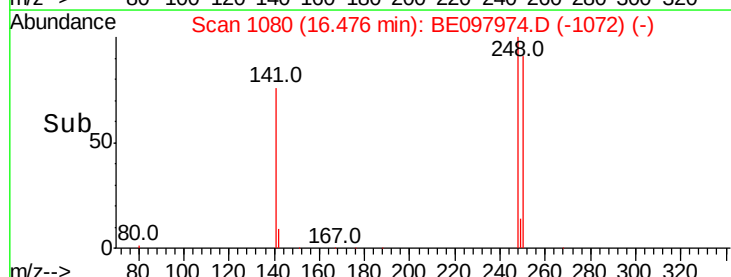
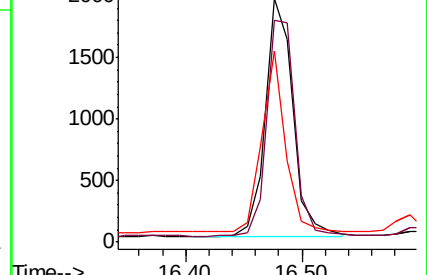
141 78.5 51.8 77.8#

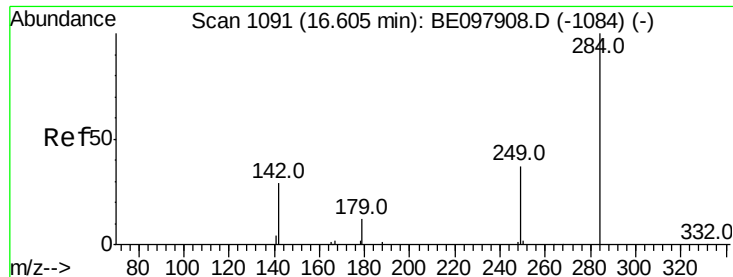


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

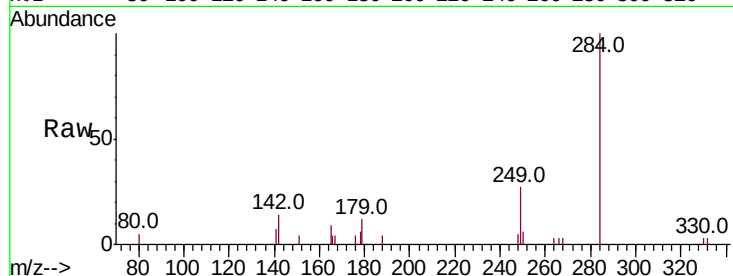




#21
Hexachlorobenzene
Concen: 0.338 ng
RT: 16.60 min Scan# 1091
Delta R.T. -0.00 min
Lab File: BE097974.D
Acq: 18 Oct 2018 13:05

Instrument :
BNA_E
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
284	100		
142	32.6	25.9	38.9
249	33.1	26.6	40.0

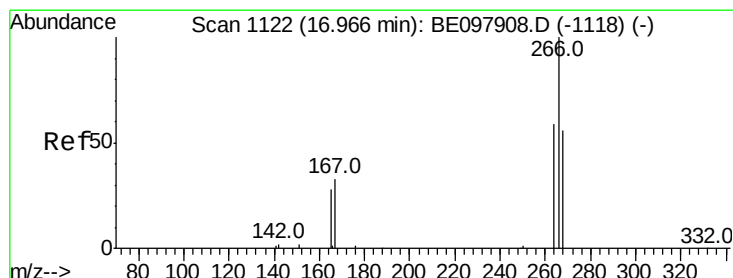
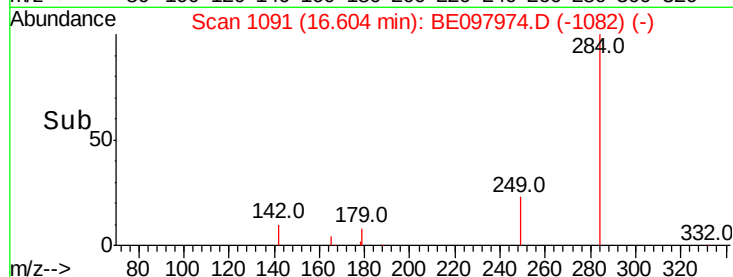
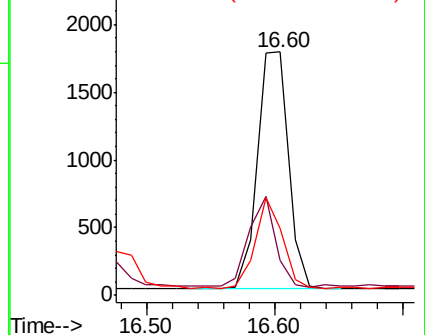


Abundance

Ion 283.80 (283.50 to 284.50): E

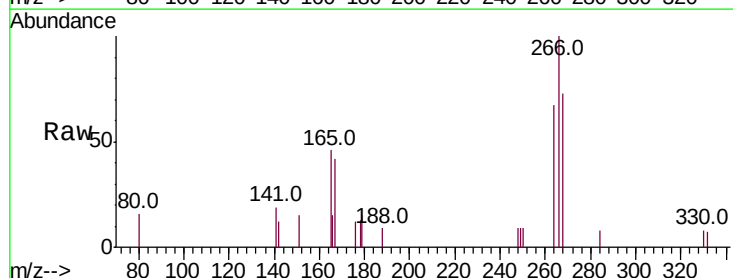
Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22
Pentachlorophenol
Concen: 0.507 ng
RT: 16.95 min Scan# 1121
Delta R.T. -0.01 min
Lab File: BE097974.D
Acq: 18 Oct 2018 13:05

Tgt Ion	Ratio	Lower	Upper
266	100		
264	67.2	51.3	76.9
268	73.3	50.1	75.1

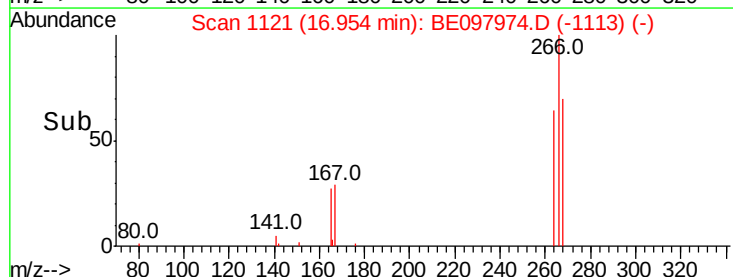
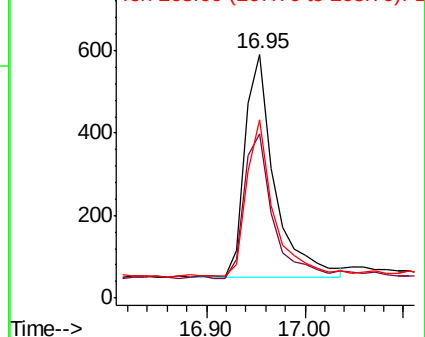


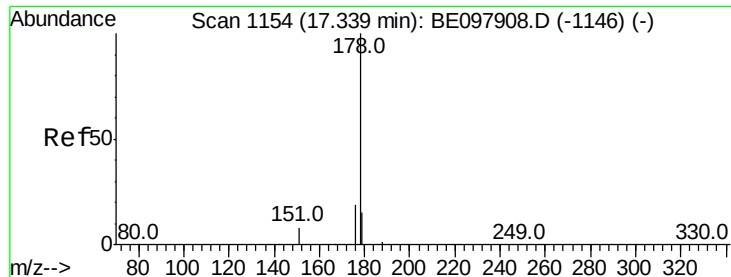
Abundance

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: 0.516 ng

RT: 17.33 min Scan# 1153

Delta R.T. -0.01 min

Lab File: BE097974.D

Acq: 18 Oct 2018 13:05

Instrument :

BNA_E

ClientSampleId :

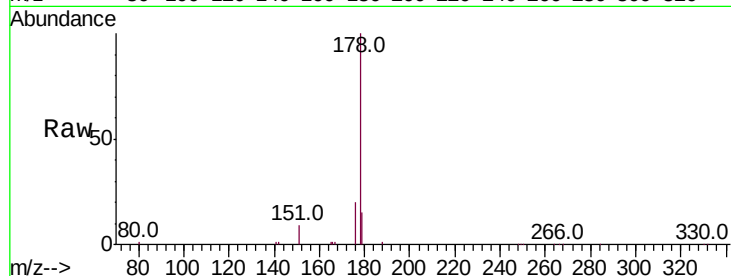
Tot Ion:178 Resp: 21518

Ion Ratio Lower Upper

178 100

176 19.5 15.5 23.3

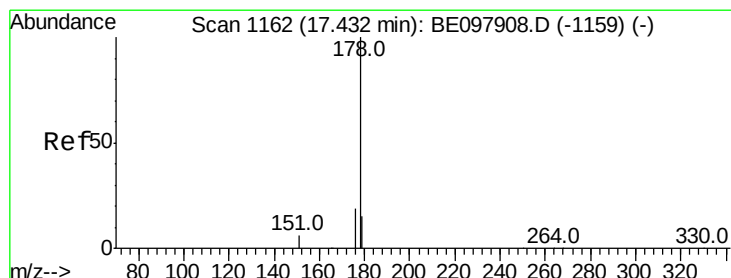
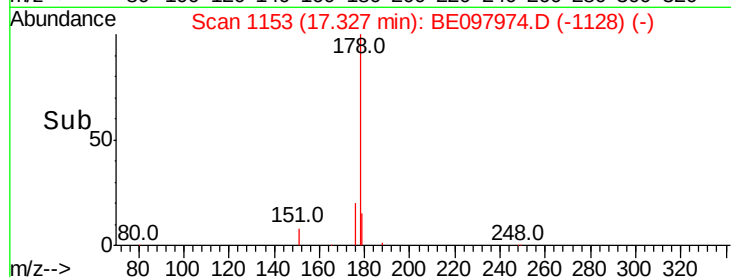
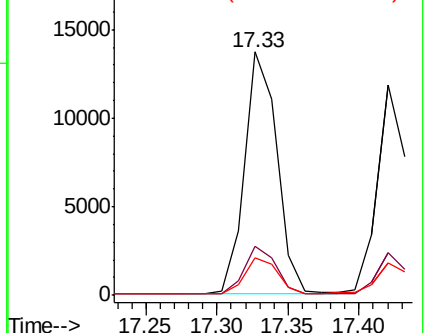
179 15.7 12.2 18.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.433 ng

RT: 17.42 min Scan# 1161

Delta R.T. -0.01 min

Lab File: BE097974.D

Acq: 18 Oct 2018 13:05

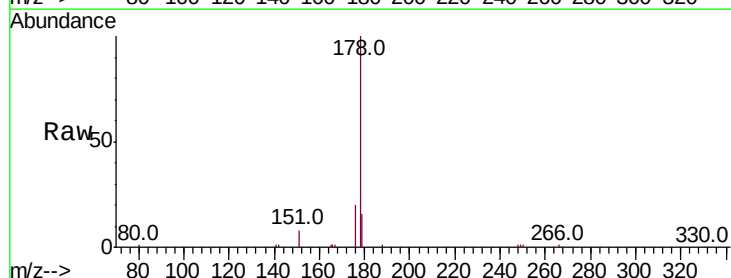
Tgt Ion:178 Resp: 17064

Ion Ratio Lower Upper

178 100

176 19.5 14.9 22.3

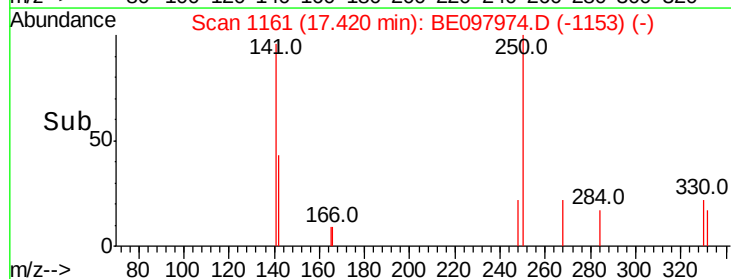
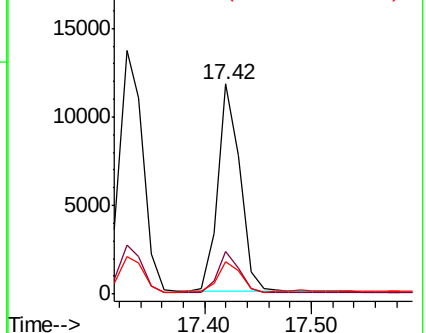
179 14.8 11.9 17.9

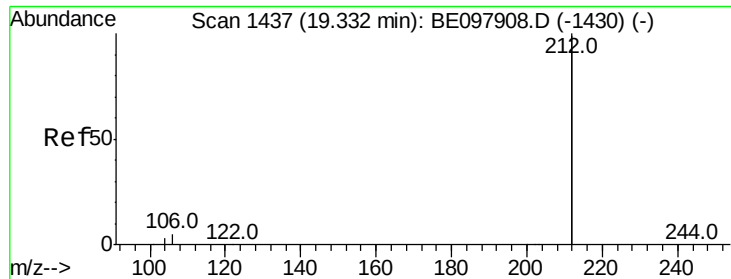


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

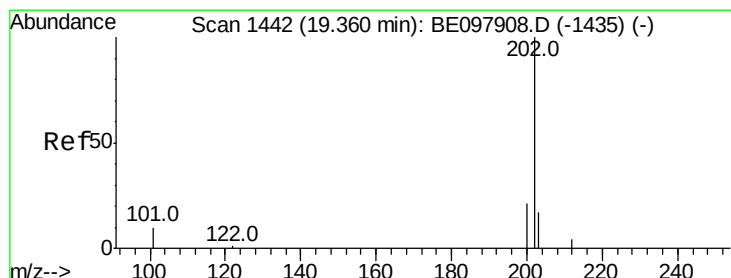
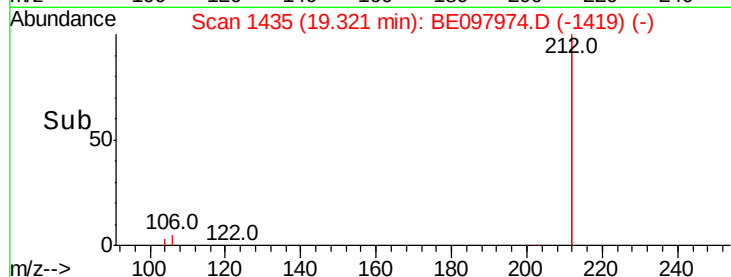
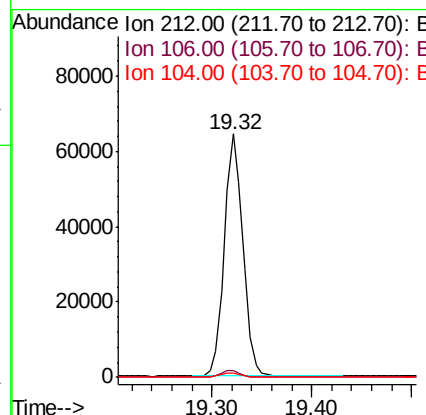
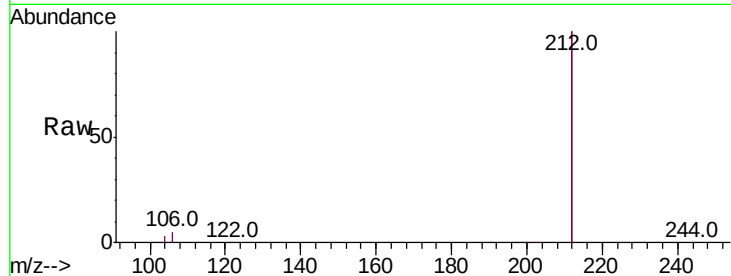




#25
 Fluoranthene-d10
 Concen: 0.372 ng
 RT: 19.32 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: BE097974.D
 Acq: 18 Oct 2018 13:05

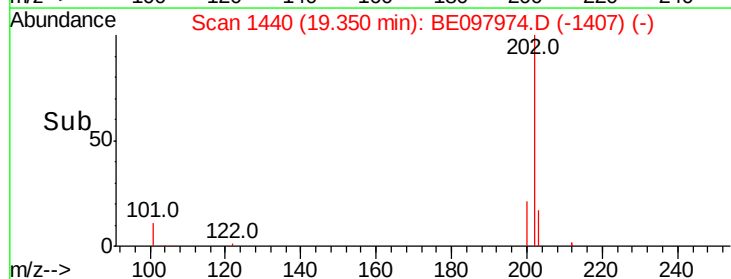
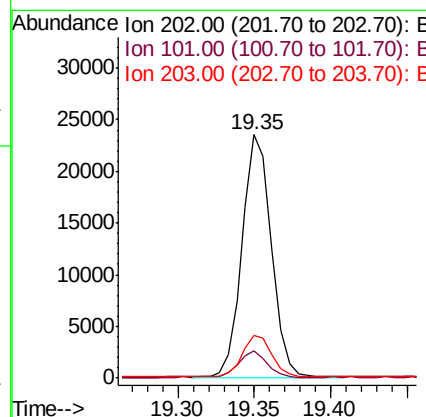
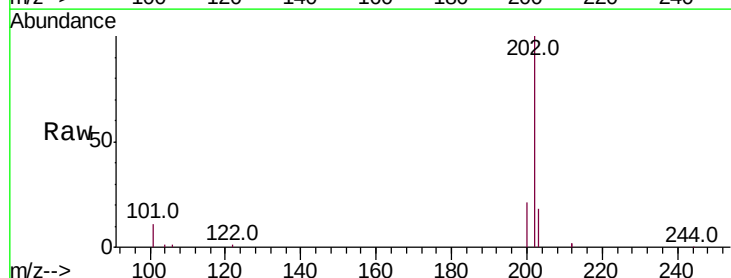
Instrument :
 BNA_E
 ClientSampleId :

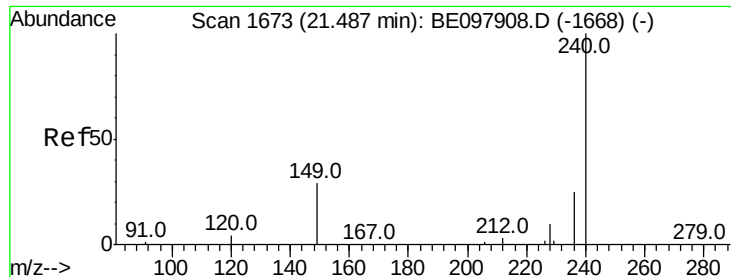
Tot Ion:212 Resp: 82745
 Ion Ratio Lower Upper
 212 100
 106 2.8 2.3 3.5
 104 1.6 1.3 1.9



#26
 Fluoranthene
 Concen: 0.567 ng
 RT: 19.35 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BE097974.D
 Acq: 18 Oct 2018 13:05

Tgt Ion:202 Resp: 31040
 Ion Ratio Lower Upper
 202 100
 101 10.4 8.2 12.2
 203 17.4 15.0 22.4





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.47 min Scan# 1672

Delta R.T. -0.01 min

Lab File: BE097974.D

Acq: 18 Oct 2018 13:05

Instrument :

BNA_E

ClientSampleId :

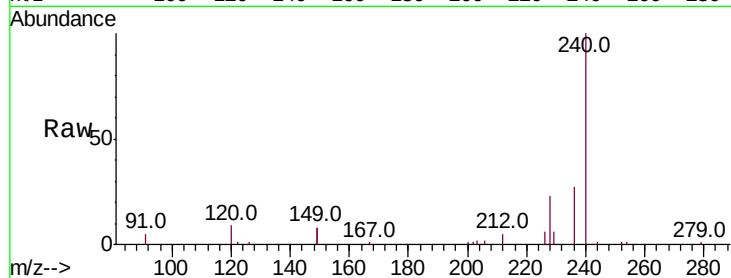
Tot Ion:240 Resp: 23100

Ion Ratio Lower Upper

240 100

120 8.7 7.1 10.7

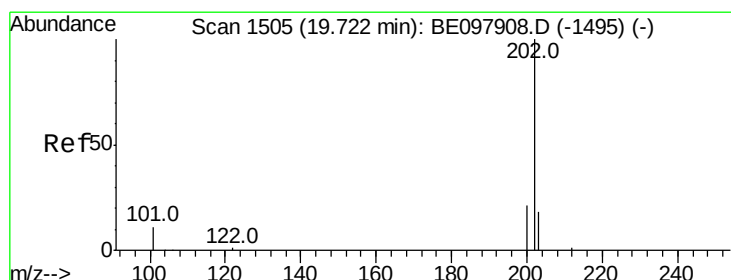
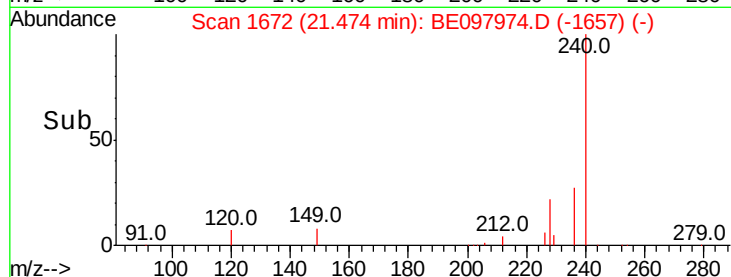
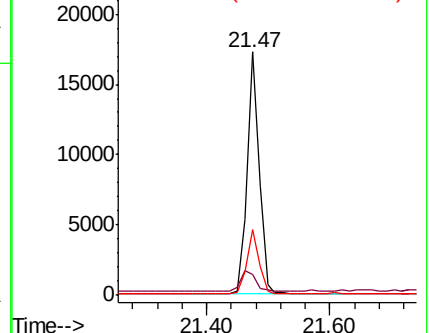
236 27.2 21.3 31.9



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: 0.468 ng

RT: 19.71 min Scan# 1503

Delta R.T. -0.01 min

Lab File: BE097974.D

Acq: 18 Oct 2018 13:05

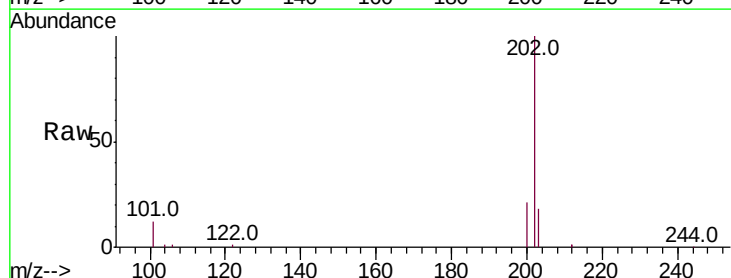
Tgt Ion:202 Resp: 31182

Ion Ratio Lower Upper

202 100

200 21.3 17.0 25.4

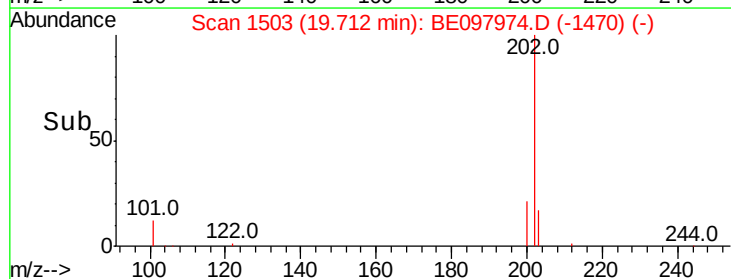
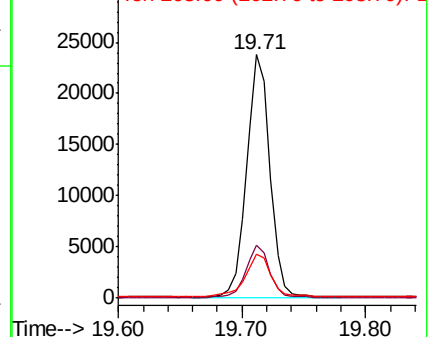
203 19.7 14.2 21.4

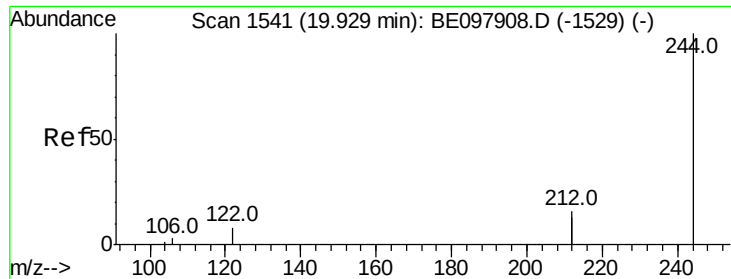


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.304 ng

RT: 19.92 min Scan# 1539

Delta R.T. -0.01 min

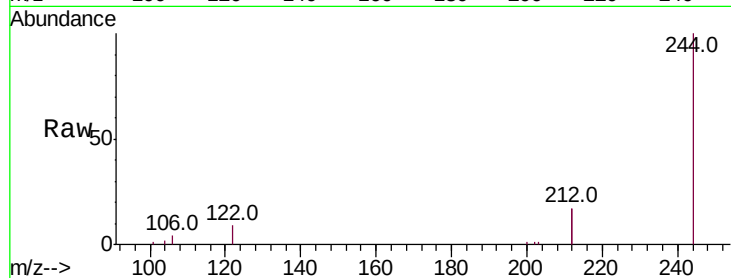
Lab File: BE097974.D

Acq: 18 Oct 2018 13:05

Instrument :

BNA_E

ClientSampleId :



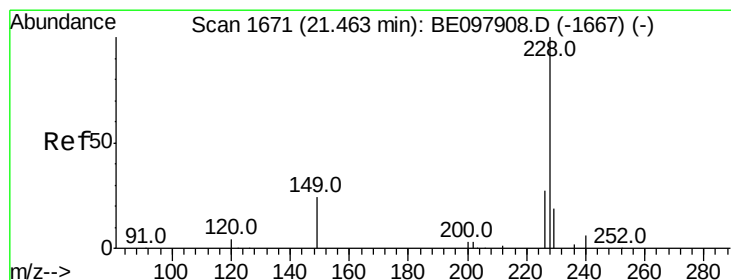
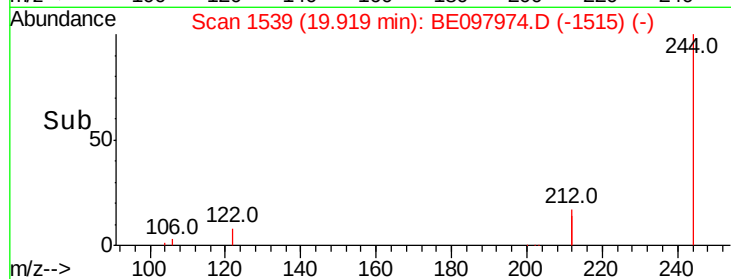
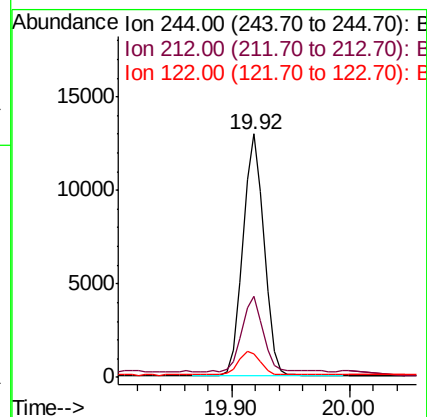
Tot Ion:244 Resp: 16118

Ion Ratio Lower Upper

244 100

212 33.0 26.2 39.2

122 9.4 7.7 11.5



#30

Benzo(a)anthracene

Concen: 0.430 ng

RT: 21.46 min Scan# 1671

Delta R.T. -0.00 min

Lab File: BE097974.D

Acq: 18 Oct 2018 13:05

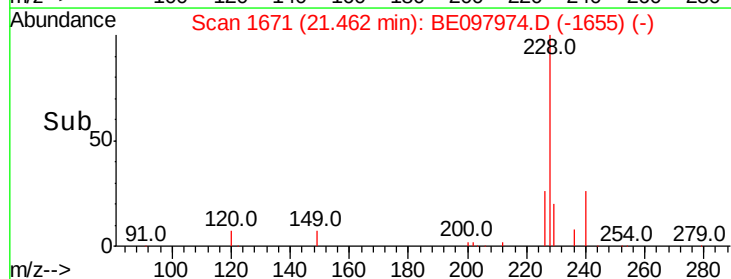
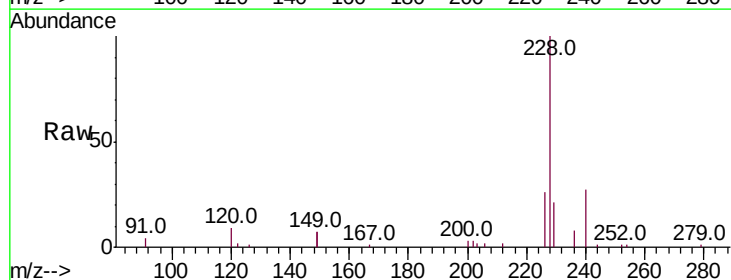
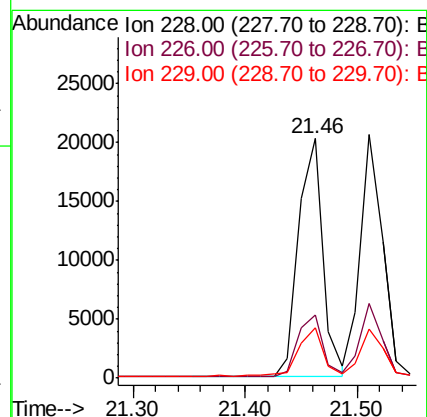
Tgt Ion:228 Resp: 30451

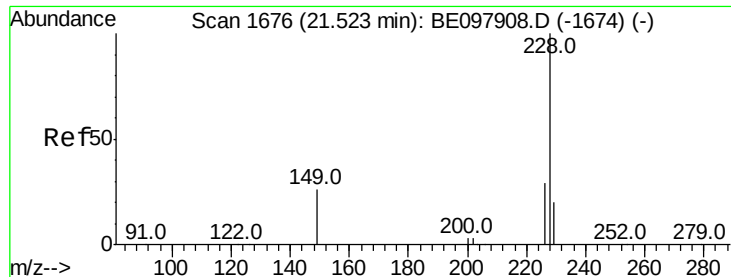
Ion Ratio Lower Upper

228 100

226 26.5 22.6 33.8

229 21.1 16.9 25.3





#31

Chrysene

Concen: 0.418 ng

RT: 21.51 min Scan# 1675

Delta R.T. -0.01 min

Lab File: BE097974.D

Acq: 18 Oct 2018 13:05

Instrument :

BNA_E

ClientSampled :

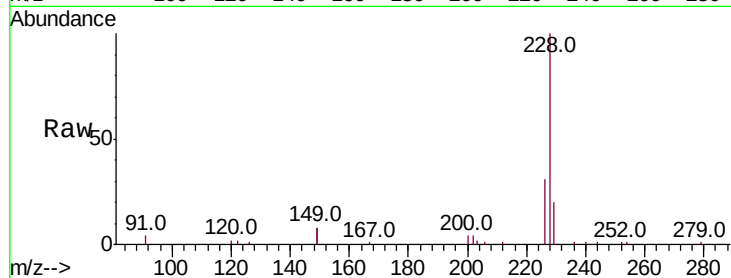
Tot Ion:228 Resp: 28083

Ion Ratio Lower Upper

228 100

226 30.9 24.3 36.5

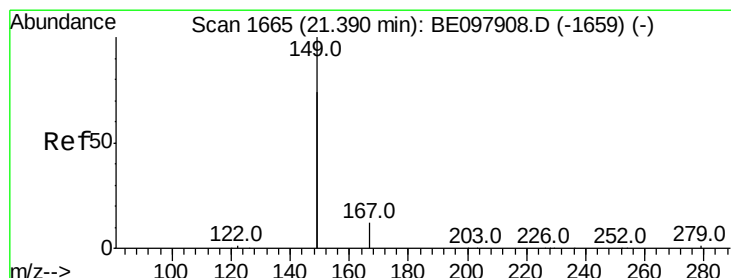
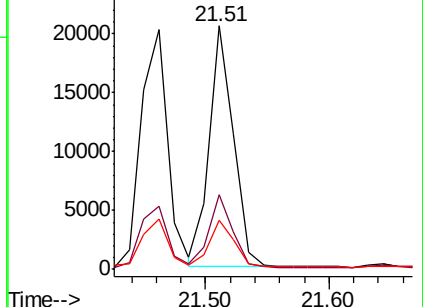
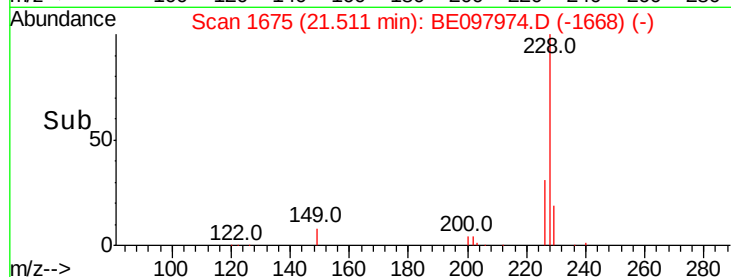
229 20.3 17.3 25.9



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: 0.360 ng

RT: 21.38 min Scan# 1664

Delta R.T. -0.01 min

Lab File: BE097974.D

Acq: 18 Oct 2018 13:05

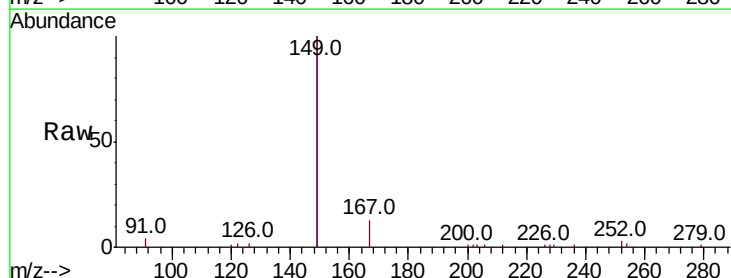
Tgt Ion:149 Resp: 61135

Ion Ratio Lower Upper

149 100

167 7.1 5.6 8.4

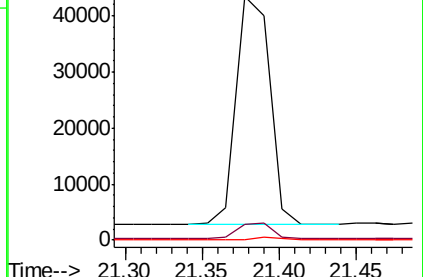
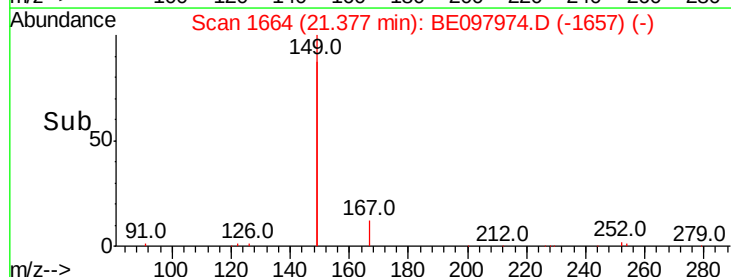
279 1.0 0.9 1.3

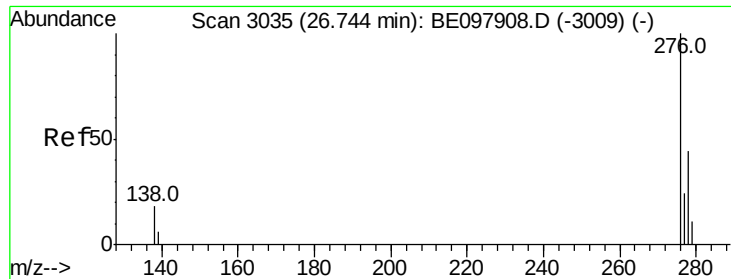


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.339 ng

RT: 26.72 min Scan# 3028

Delta R.T. -0.02 min

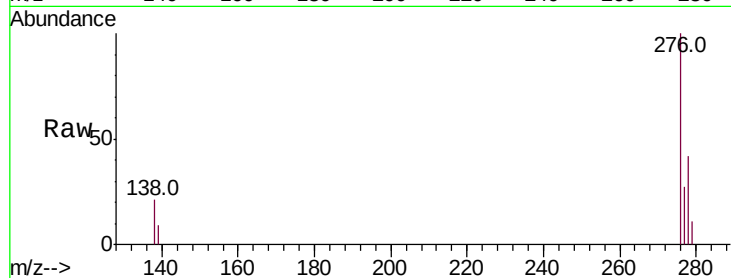
Lab File: BE097974.D

Acq: 18 Oct 2018 13:05

Instrument :

BNA_E

ClientSampleId :



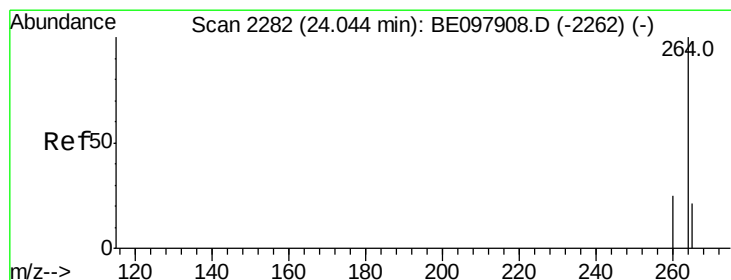
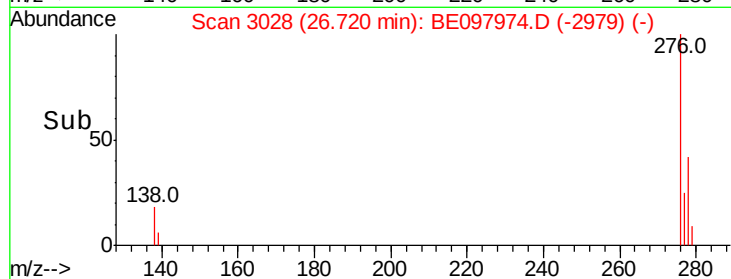
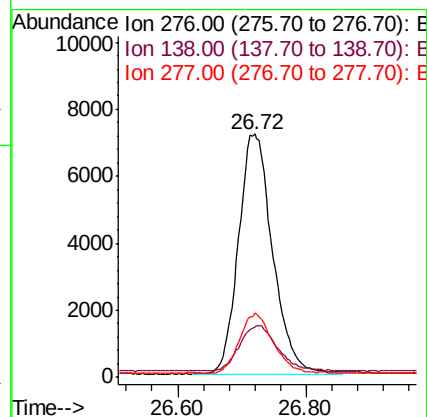
Tot Ion:276 Resp: 26442

Ion Ratio Lower Upper

276 100

138 20.8 17.0 25.6

277 24.2 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: BE097974.D

Acq: 18 Oct 2018 13:05

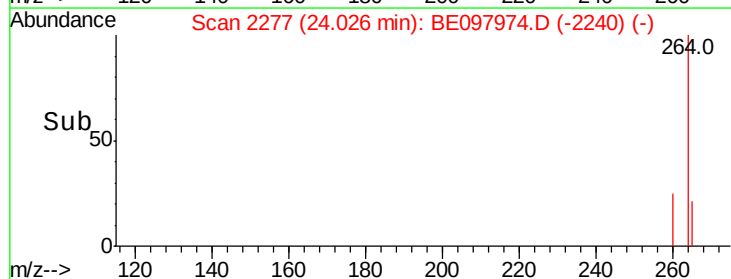
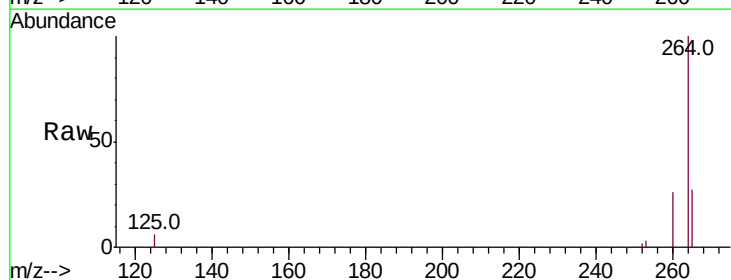
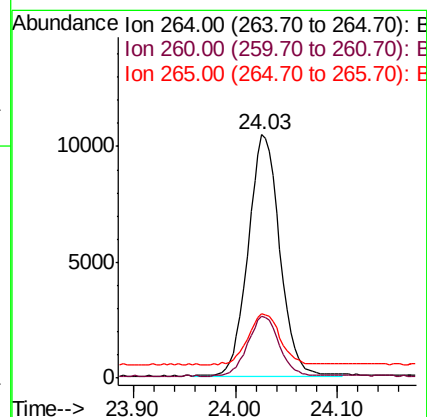
Tgt Ion:264 Resp: 22391

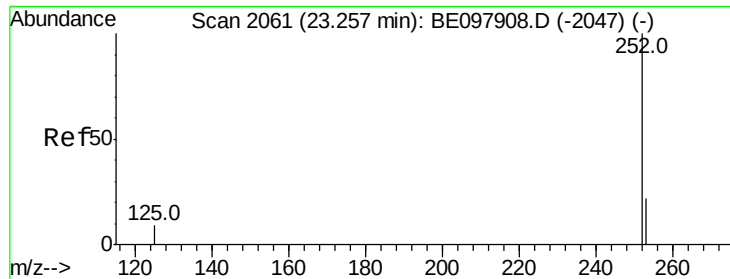
Ion Ratio Lower Upper

264 100

260 25.5 21.1 31.7

265 26.6 29.2 43.8#





#35

Benzo(b)fluoranthene

Concen: 0.425 ng

RT: 23.25 min Scan# 2058

Delta R.T. -0.01 min

Lab File: BE097974.D

Acq: 18 Oct 2018 13:05

Instrument :

BNA_E

ClientSampleId :

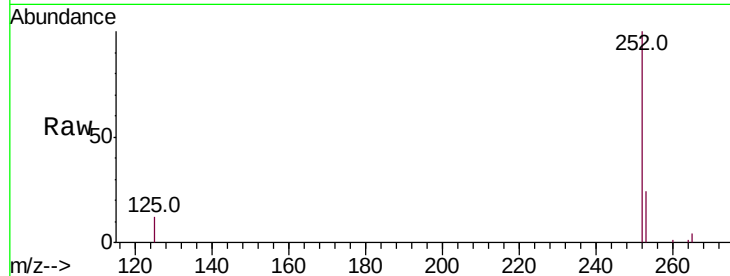
Tot Ion:252 Resp: 27352

Ion Ratio Lower Upper

252 100

253 23.6 20.6 31.0

125 11.9 14.3 21.5#

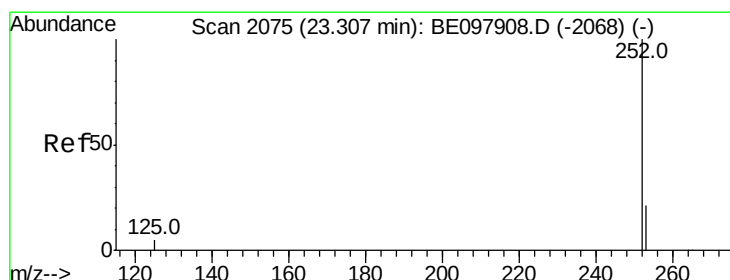
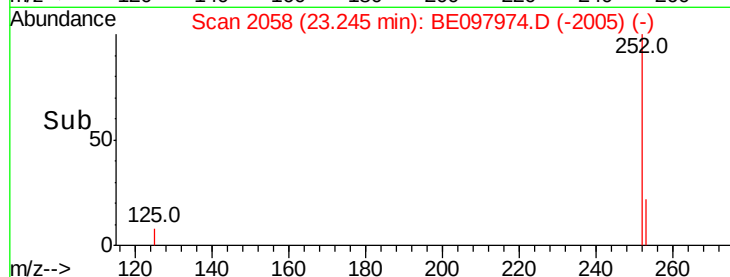
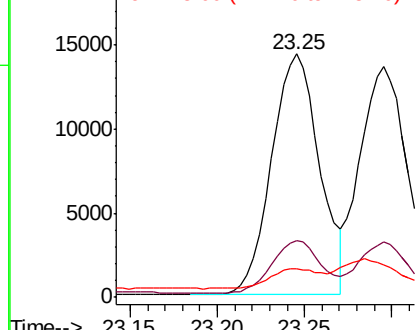


Abundance

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: BE097974.D

Acq: 18 Oct 2018 13:05

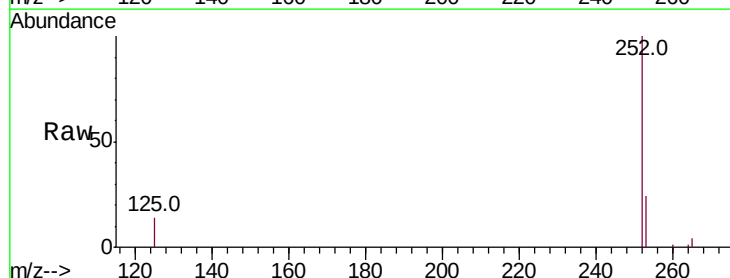
Tgt Ion:252 Resp: 26191

Ion Ratio Lower Upper

252 100

253 24.2 20.4 30.6

125 13.8 14.6 21.8#

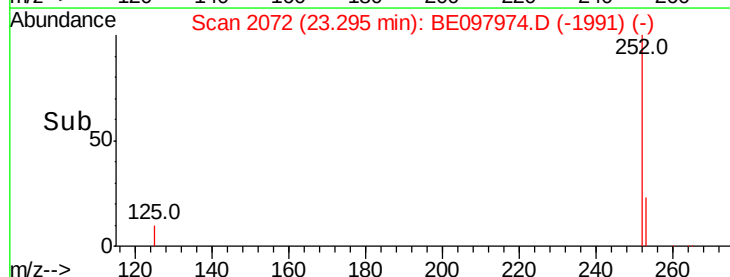
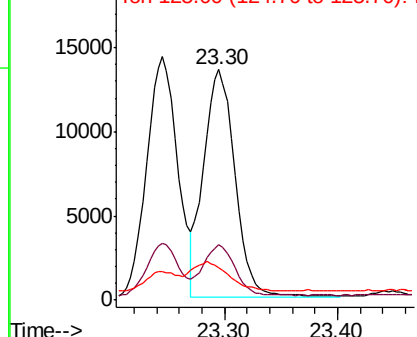


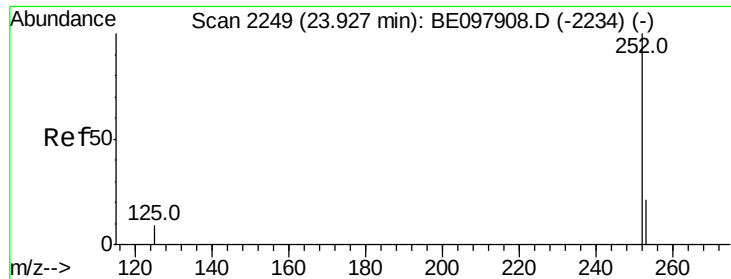
Abundance

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: 0.410 ng

RT: 23.91 min Scan# 2245

Delta R.T. -0.01 min

Lab File: BE097974.D

Acq: 18 Oct 2018 13:05

Instrument :

BNA_E

ClientSampleId :

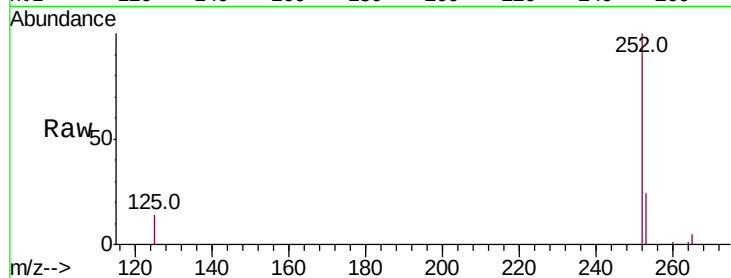
Tot Ion:252 Resp: 25736

Ion Ratio Lower Upper

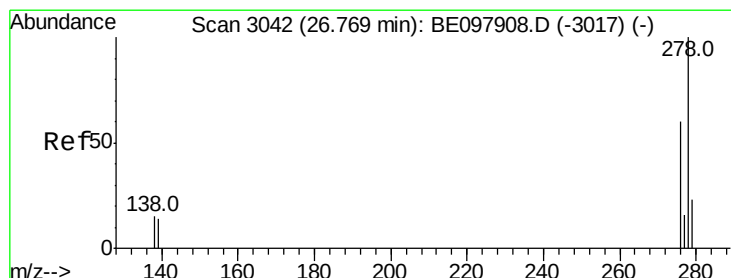
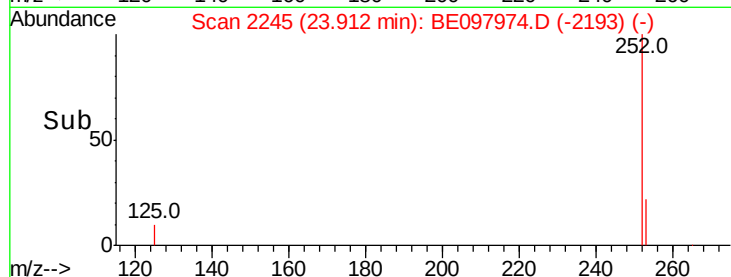
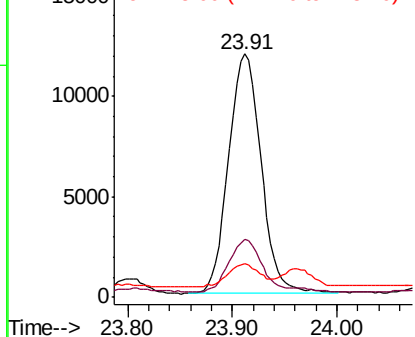
252 100

253 23.8 20.6 31.0

125 14.0 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: 0.345 ng

RT: 26.74 min Scan# 3035

Delta R.T. -0.02 min

Lab File: BE097974.D

Acq: 18 Oct 2018 13:05

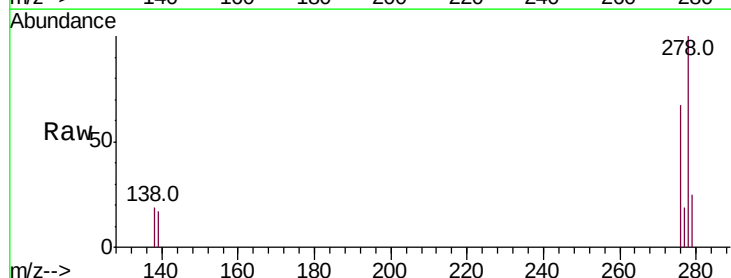
Tgt Ion:278 Resp: 21218

Ion Ratio Lower Upper

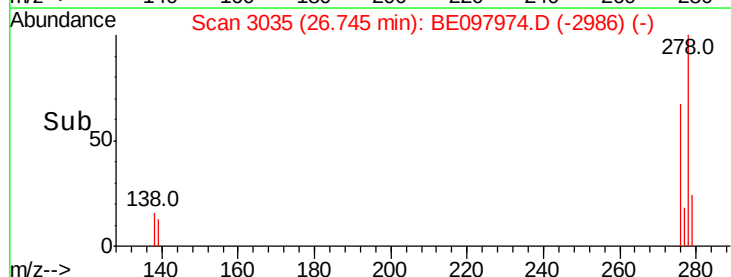
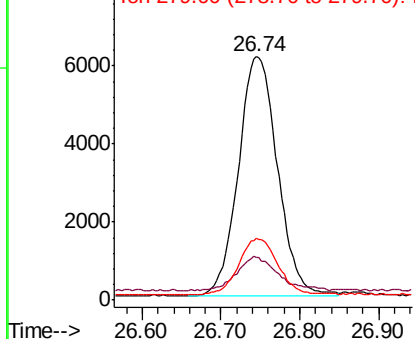
278 100

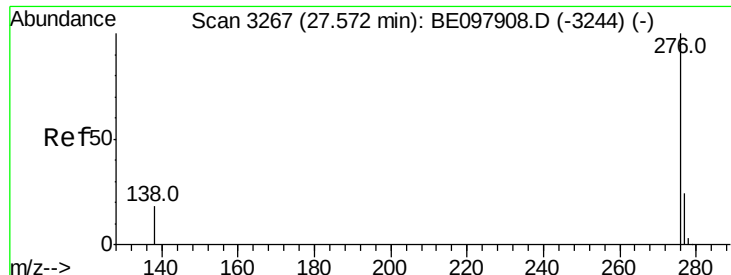
139 17.3 16.3 24.5

279 25.5 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: 0.358 ng

RT: 27.55 min Scan# 3260

Delta R.T. -0.02 min

Lab File: BE097974.D

Acq: 18 Oct 2018 13:05

Instrument :

BNA_E

ClientSampleId :

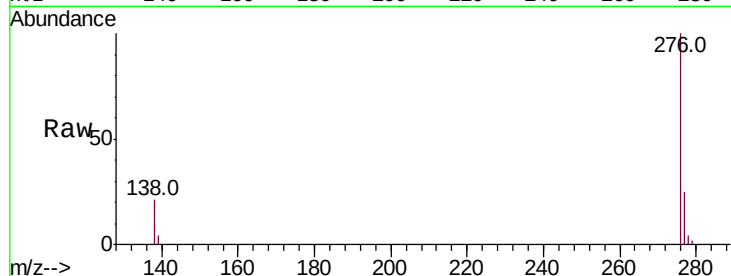
Tot Ion:276 Resp: 22564

Ion Ratio Lower Upper

276 100

277 24.5 22.1 33.1

138 20.9 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

