

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE101818\
 Data File : BE097970.D
 Acq On : 18 Oct 2018 10:33
 Operator : SJ/JU
 Sample : J5317-03MS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 19 01:06:33 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	2004	0.40	ng	-0.01
7) Naphthalene-d8	10.68	136	8821	0.40	ng	-0.01
13) Acenaphthene-d10	14.54	164	5813	0.40	ng	-0.02
19) Phenanthrene-d10	17.29	188	16476	0.40	ng	-0.01
27) Chrysene-d12	21.47	240	20997	0.40	ng	-0.01
34) Perylene-d12	24.03	264	20717	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.46	112	1258	0.20	ng	-0.01
5) Phenol-d6	7.04	99	1145	0.12	ng	-0.01
8) Nitrobenzene-d5	9.03	82	3418	0.41	ng	-0.01
11) 2-Methylnaphthalene-d10	12.28	152	8386	0.57	ng	-0.02
14) 2,4,6-Tribromophenol	16.03	330	1307	0.42	ng	-0.01
15) 2-Fluorobiphenyl	13.16	172	10713	0.45	ng	-0.02
25) Fluoranthene-d10	19.32	212	93617	0.42	ng	-0.01
29) Terphenyl-d14	19.92	244	24278	0.50	ng	-0.01

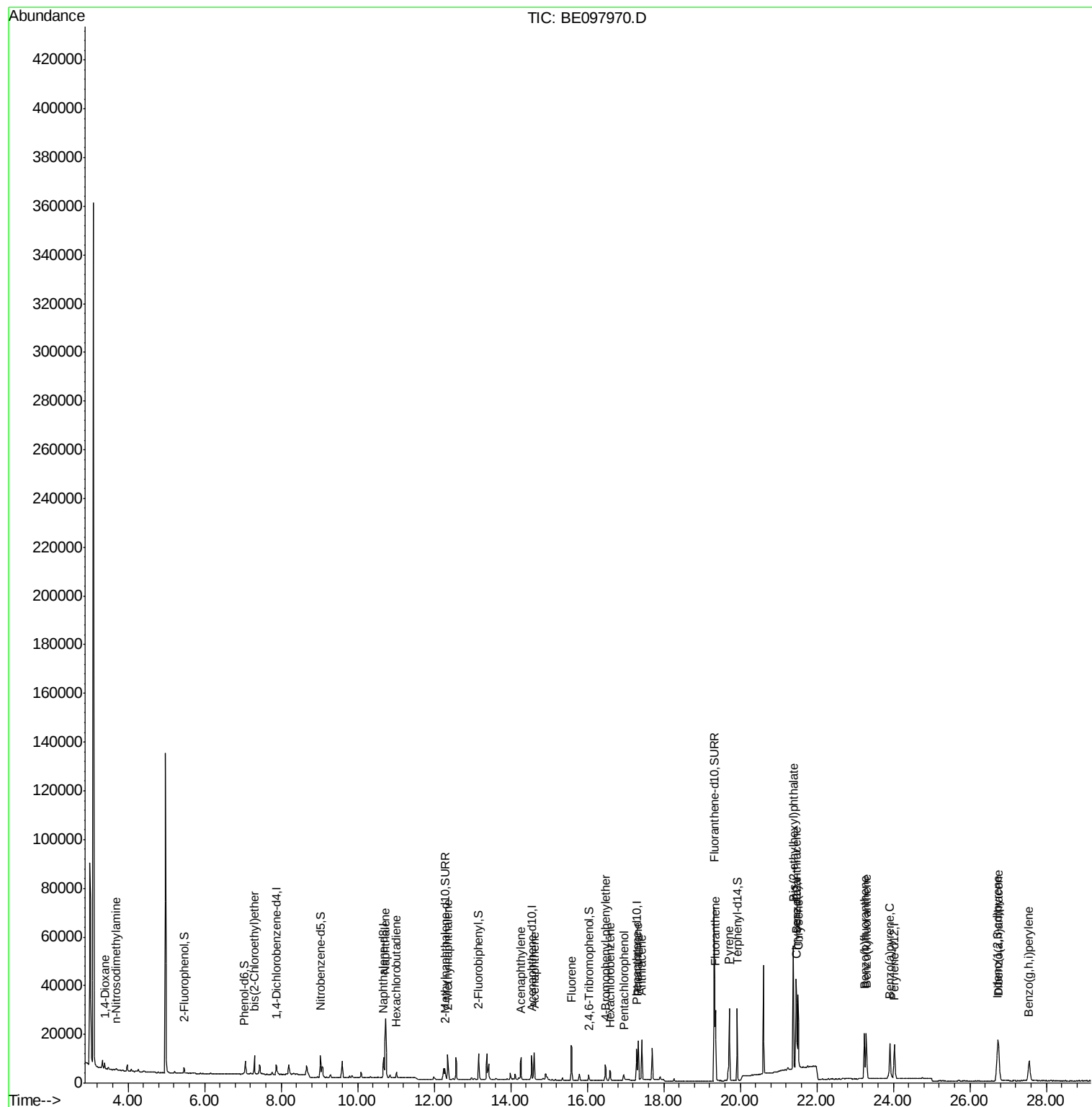
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.38	88	1267	0.363	ng	# 87
3) n-Nitrosodimethylamine	3.69	42	575	0.147	ng	# 78
6) bis(2-Chloroethyl)ether	7.30	93	2790	0.352	ng	86
9) Naphthalene	10.73	128	38677	0.440	ng	100
10) Hexachlorobutadiene	11.02	225	1708	0.361	ng	97
12) 2-Methylnaphthalene	12.35	142	6964	0.463	ng	97
16) Acenaphthylene	14.27	152	11099	0.413	ng	100
17) Acenaphthene	14.61	154	6801	0.414	ng	98
18) Fluorene	15.59	166	9903	0.439	ng	99
20) 4-Bromophenyl-phenylether	16.48	248	3580	0.398	ng	# 89
21) Hexachlorobenzene	16.60	284	3488	0.394	ng	99
22) Pentachlorophenol	16.95	266	1605	0.679	ng	96
23) Phenanthrene	17.33	178	18657	0.446	ng	99
24) Anthracene	17.42	178	17539	0.443	ng	99
26) Fluoranthene	19.35	202	25033	0.456	ng	97
28) Pyrene	19.71	202	25880	0.427	ng	100
30) Benzo(a)anthracene	21.46	228	28273	0.439	ng	97
31) Chrysene	21.51	228	26466	0.434	ng	98
32) Bis(2-ethylhexyl)phthalate	21.39	149	67192	0.467	ng	100
33) Indeno(1,2,3-cd)pyrene	26.72	276	27796	0.418	ng	# 88
35) Benzo(b)fluoranthene	23.25	252	26361	0.442	ng	# 92
36) Benzo(k)fluoranthene	23.30	252	26244	0.422	ng	# 92
37) Benzo(a)pyrene	23.91	252	24119	0.415	ng	# 92
38) Dibenzo(a,h)anthracene	26.75	278	23428	0.412	ng	94
39) Benzo(g,h,i)perylene	27.55	276	20028	0.344	ng	95

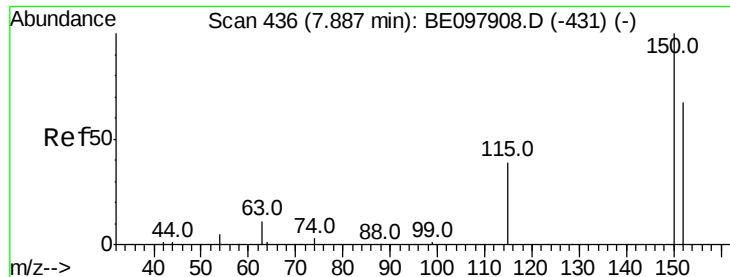
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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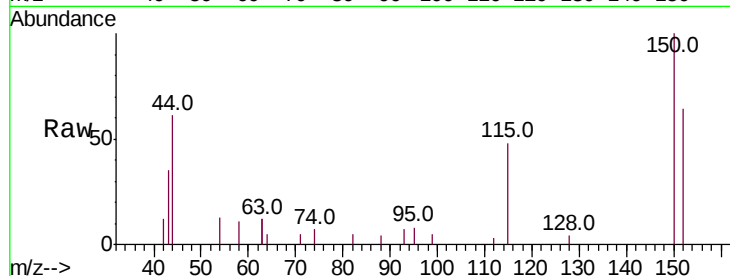


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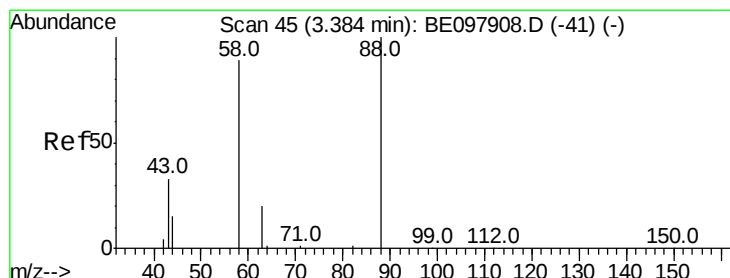
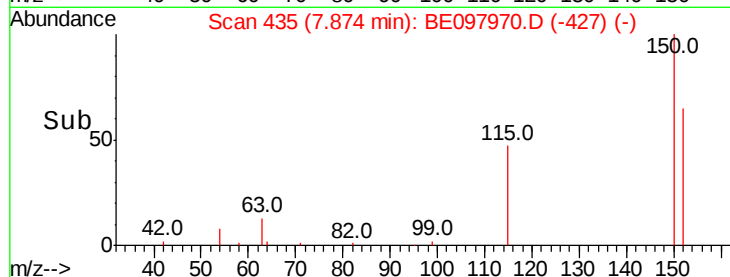
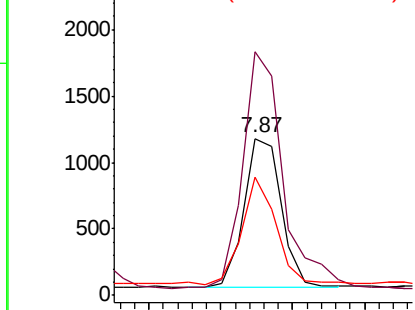
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.87 min Scan# 435
Delta R.T. -0.01 min
Lab File: BE097970.D
Acq: 18 Oct 2018 10:33

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 2004
Ion Ratio Lower Upper
152 100
150 155.5 118.2 177.4
115 75.1 50.9 76.3



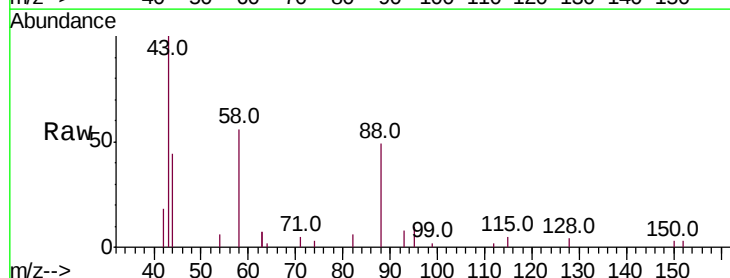
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



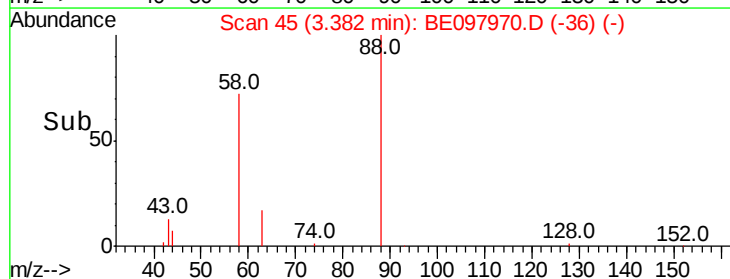
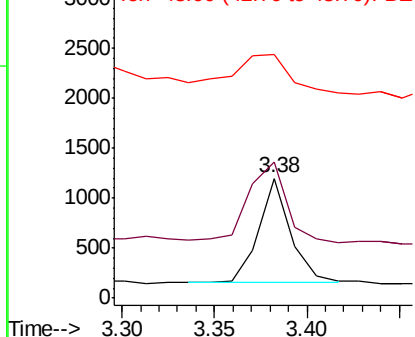
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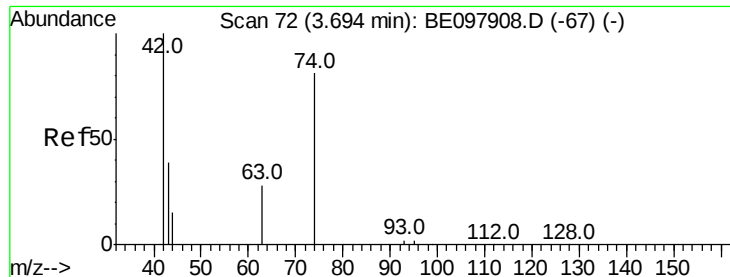
1,4-Dioxane
Concen: 0.363 ng
RT: 3.38 min Scan# 45
Delta R.T. -0.00 min
Lab File: BE097970.D
Acq: 18 Oct 2018 10:33

Tgt Ion: 88 Resp: 1267
Ion Ratio Lower Upper
88 100
58 93.4 73.2 109.8
43 69.9 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



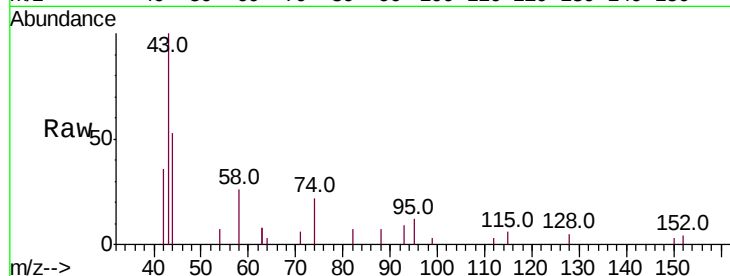


#3

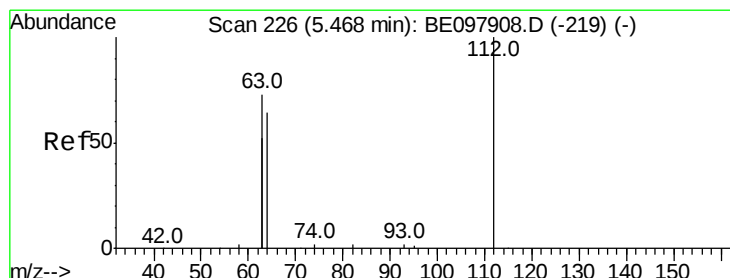
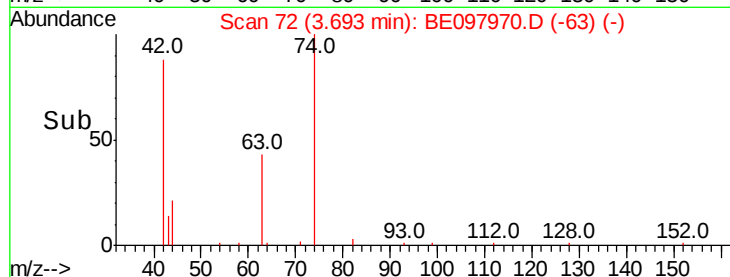
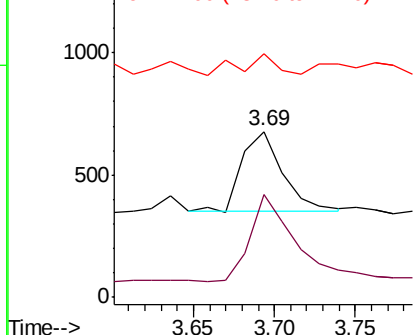
n-Nitrosodimethylamine
 Concen: 0.147 ng
 RT: 3.69 min Scan# 72
 Delta R.T. -0.00 min
 Lab File: BE097970.D
 Acq: 18 Oct 2018 10:33

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion: 42 Resp: 575
 Ion Ratio Lower Upper
 42 100
 74 116.9 77.6 116.4#
 44 23.5 7.6 11.4#



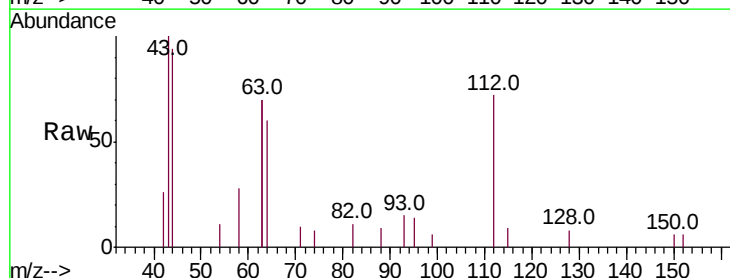
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



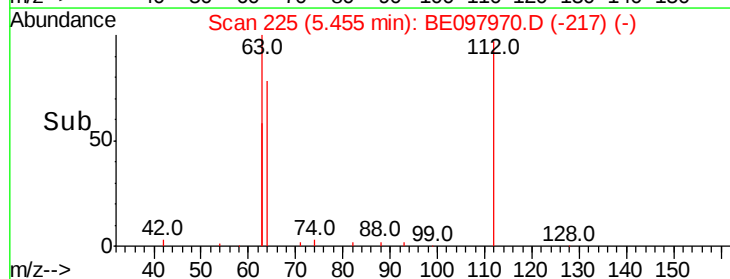
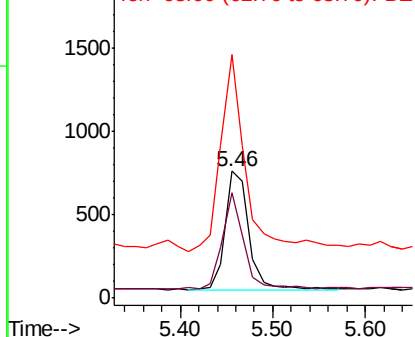
#4

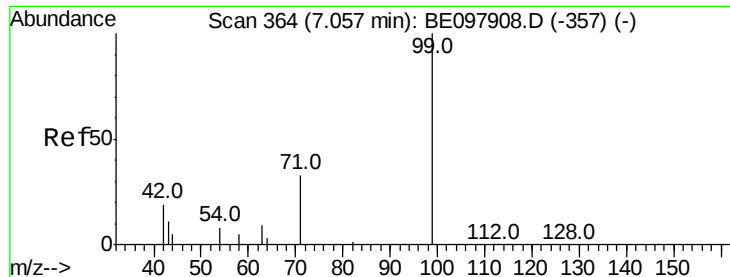
2-Fluorophenol
 Concen: 0.199 ng
 RT: 5.46 min Scan# 225
 Delta R.T. -0.01 min
 Lab File: BE097970.D
 Acq: 18 Oct 2018 10:33

Tgt Ion: 112 Resp: 1258
 Ion Ratio Lower Upper
 112 100
 64 71.8 58.9 88.3
 63 180.0 120.3 180.5



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: 0.123 ng

RT: 7.04 min Scan# 363

Delta R.T. -0.01 min

Lab File: BE097970.D

Acq: 18 Oct 2018 10:33

Instrument :

BNA_E

ClientSampled :

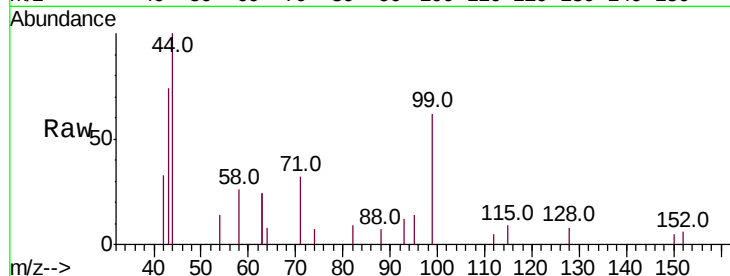
Tot Ion: 99 Resp: 1145

Ion Ratio Lower Upper

99 100

42 0.0 19.9 29.9#

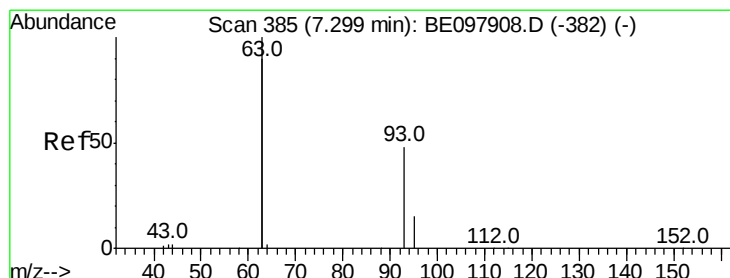
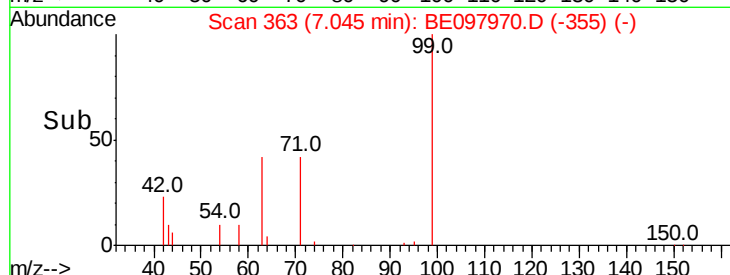
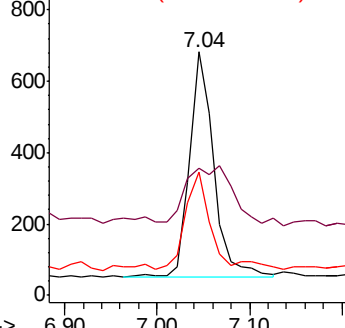
71 46.1 27.8 41.8#



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: 0.352 ng

RT: 7.30 min Scan# 385

Delta R.T. -0.00 min

Lab File: BE097970.D

Acq: 18 Oct 2018 10:33

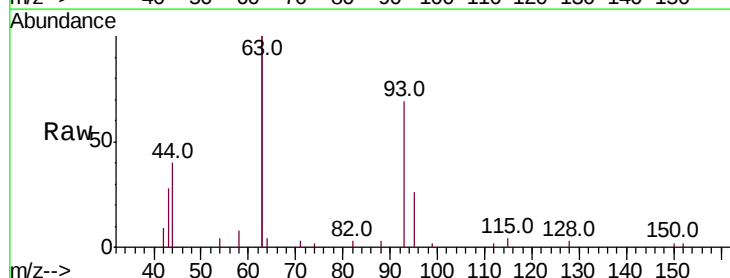
Tgt Ion: 93 Resp: 2790

Ion Ratio Lower Upper

93 100

63 354.0 259.0 388.4

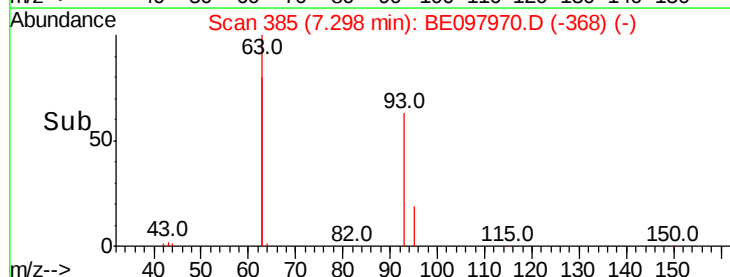
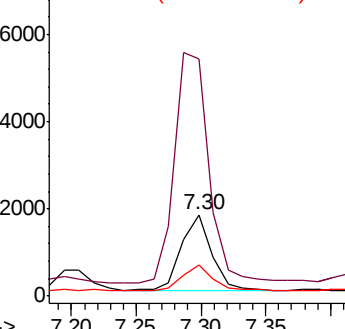
95 33.4 27.8 41.8

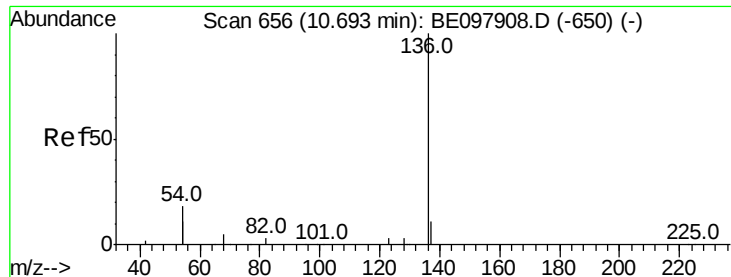


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE097970.D

Acq: 18 Oct 2018 10:33

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 8821

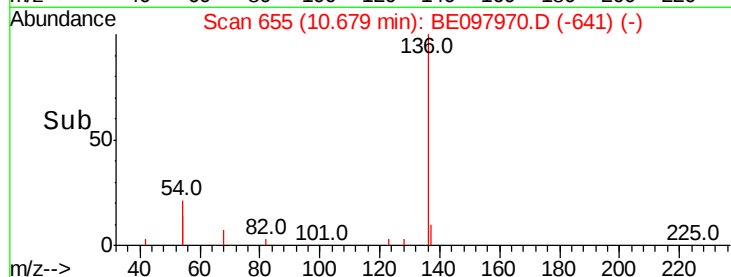
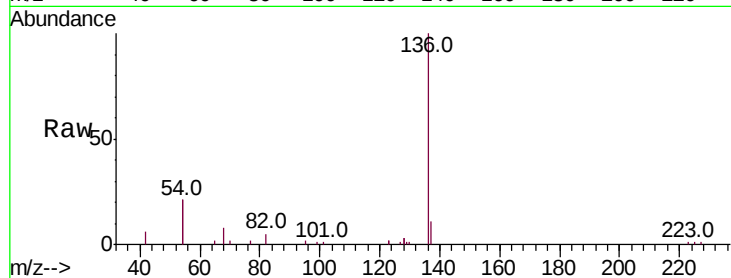
Ion Ratio Lower Upper

136 100

137 10.9 9.6 14.4

54 41.5 27.7 41.5

68 8.2 5.3 7.9#

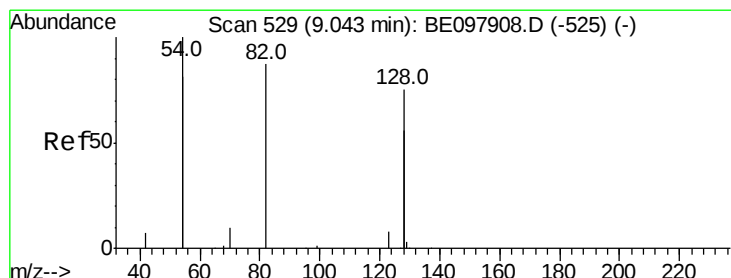
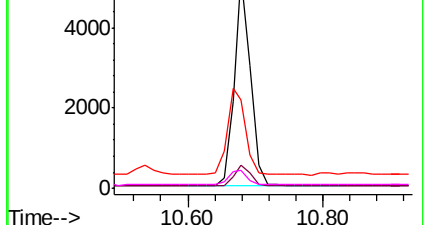


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.409 ng

RT: 9.03 min Scan# 528

Delta R.T. -0.01 min

Lab File: BE097970.D

Acq: 18 Oct 2018 10:33

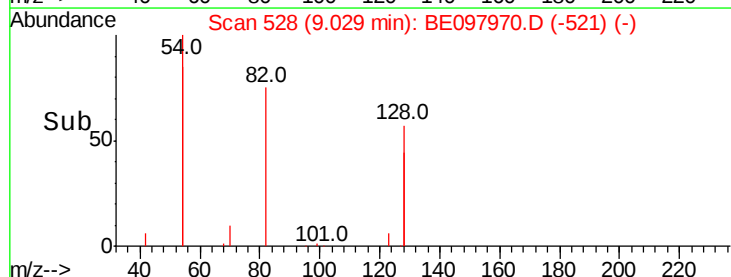
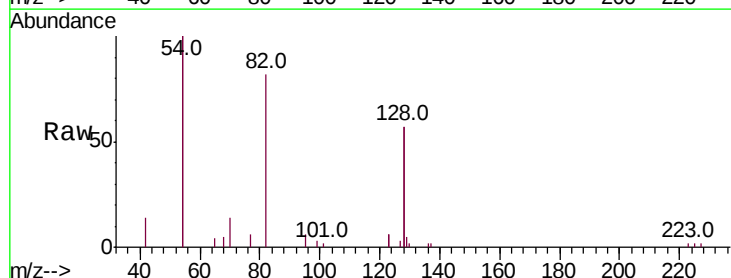
Tgt Ion: 82 Resp: 3418

Ion Ratio Lower Upper

82 100

128 139.0 129.9 194.9

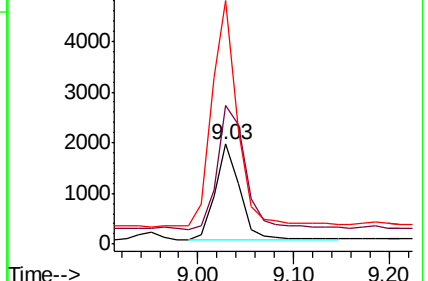
54 243.5 174.0 261.0

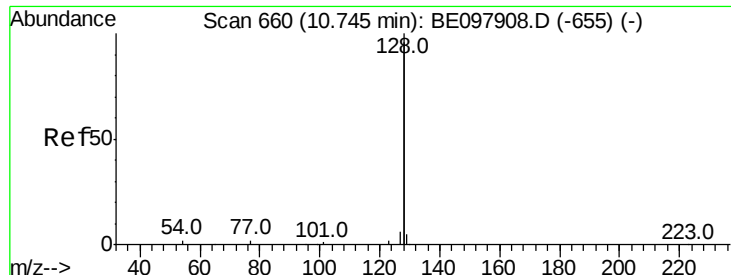


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.440 ng

RT: 10.73 min Scan# 659

Delta R.T. -0.01 min

Lab File: BE097970.D

Acq: 18 Oct 2018 10:33

Instrument :

BNA_E

ClientSampleId :

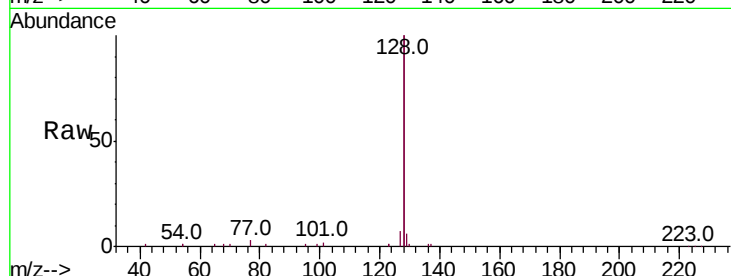
Tot Ion:128 Resp: 38677

Ion Ratio Lower Upper

128 100

129 2.9 2.5 3.7

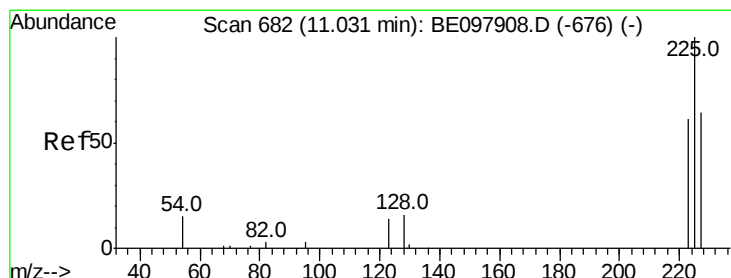
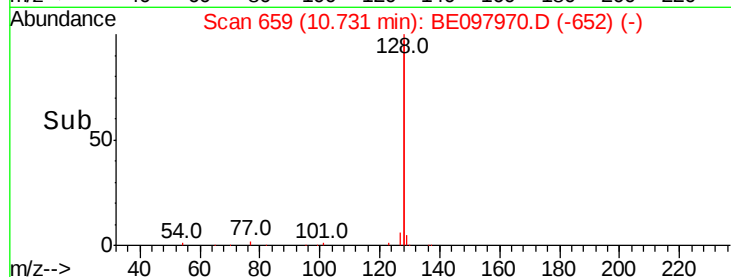
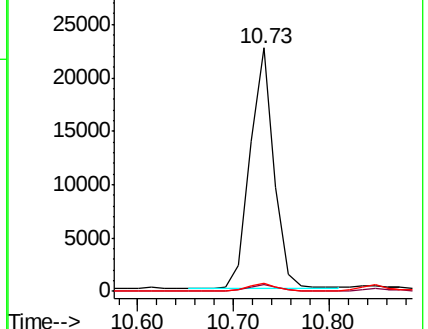
127 3.4 2.8 4.2



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: 0.361 ng

RT: 11.02 min Scan# 681

Delta R.T. -0.01 min

Lab File: BE097970.D

Acq: 18 Oct 2018 10:33

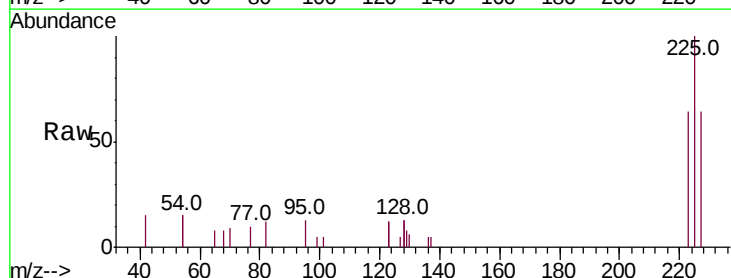
Tgt Ion:225 Resp: 1708

Ion Ratio Lower Upper

225 100

223 62.9 51.8 77.8

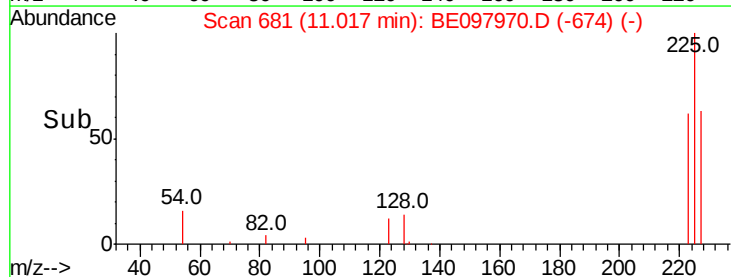
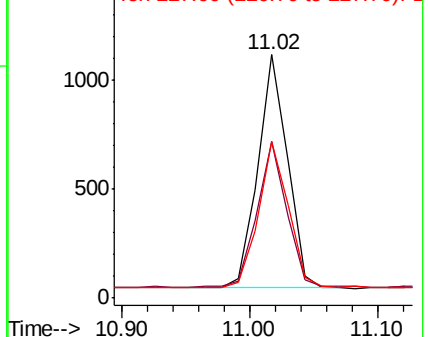
227 62.8 53.0 79.6

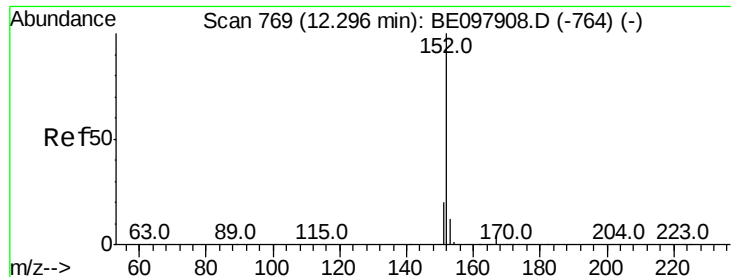


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.571 ng

RT: 12.28 min Scan# 768

Delta R.T. -0.02 min

Lab File: BE097970.D

Acq: 18 Oct 2018 10:33

Instrument :

BNA_E

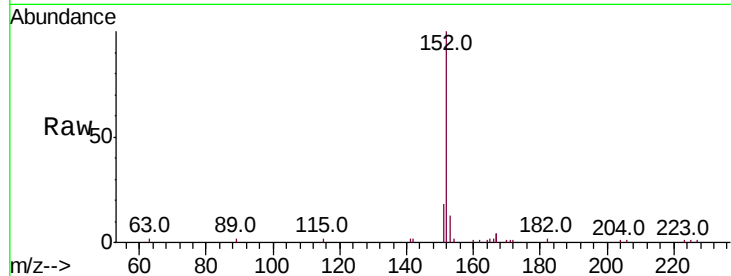
ClientSampleId :

Tot Ion:152 Resp: 8386

Ion Ratio Lower Upper

152 100

151 13.4 16.2 24.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.28

4000

3000

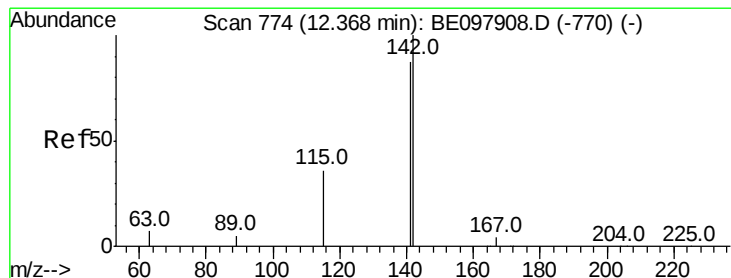
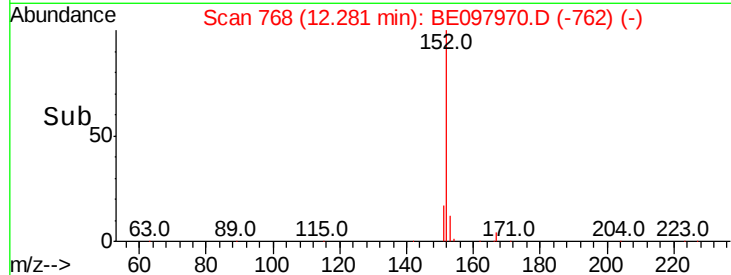
2000

1000

0

12.20 12.30 12.40

Time-->



#12

2-Methylnaphthalene

Concen: 0.463 ng

RT: 12.35 min Scan# 773

Delta R.T. -0.02 min

Lab File: BE097970.D

Acq: 18 Oct 2018 10:33

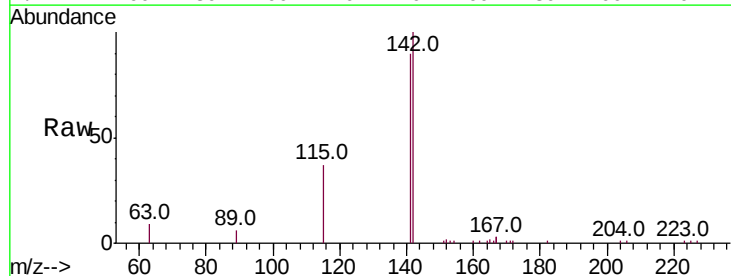
Tgt Ion:142 Resp: 6964

Ion Ratio Lower Upper

142 100

141 89.7 69.8 104.6

115 36.6 30.5 45.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

6000

5000

4000

3000

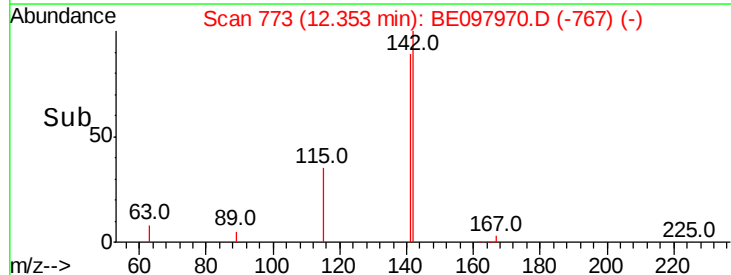
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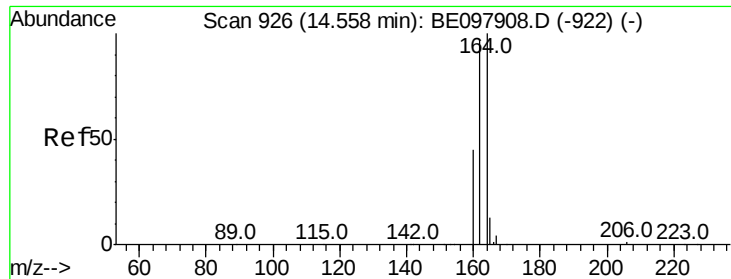
1000

0

12.25 12.30 12.35 12.40

Time-->

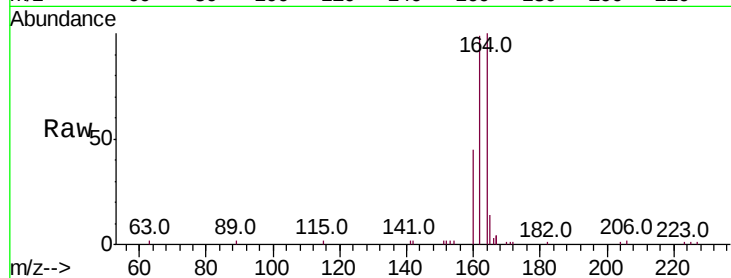




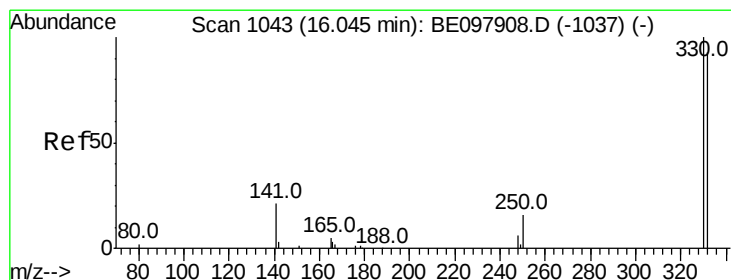
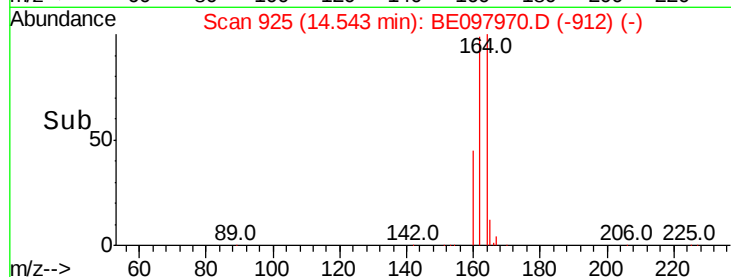
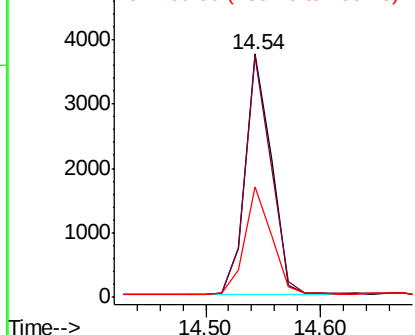
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.02 min
Lab File: BE097970.D
Acq: 18 Oct 2018 10:33

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 5813
Ion Ratio Lower Upper
164 100
162 98.8 77.4 116.2
160 45.4 36.5 54.7

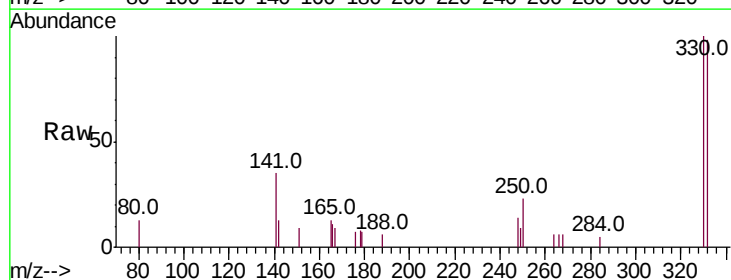


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

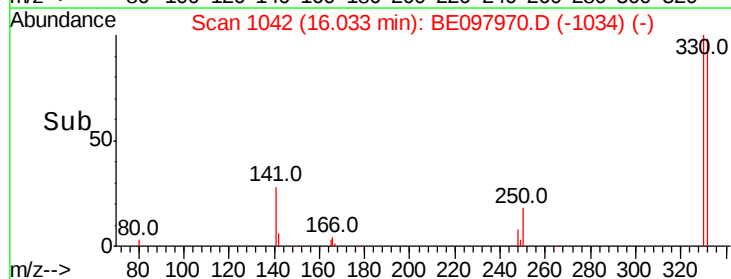
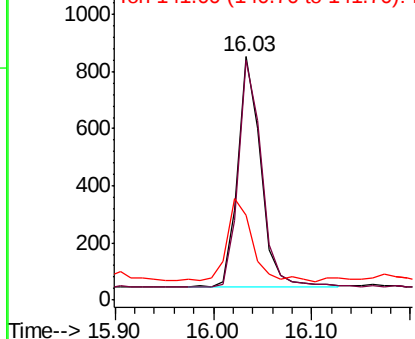


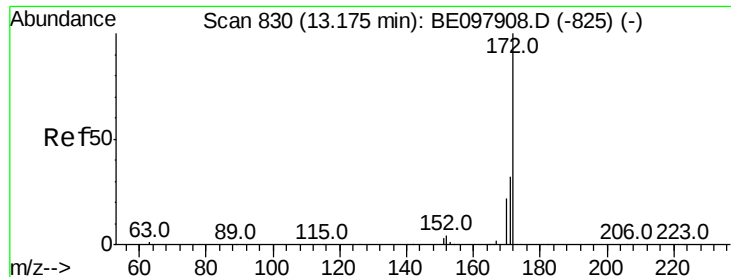
#14
2,4,6-Tribromophenol
Concen: 0.418 ng
RT: 16.03 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BE097970.D
Acq: 18 Oct 2018 10:33

Tgt Ion:330 Resp: 1307
Ion Ratio Lower Upper
330 100
332 101.1 76.5 114.7
141 39.6 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

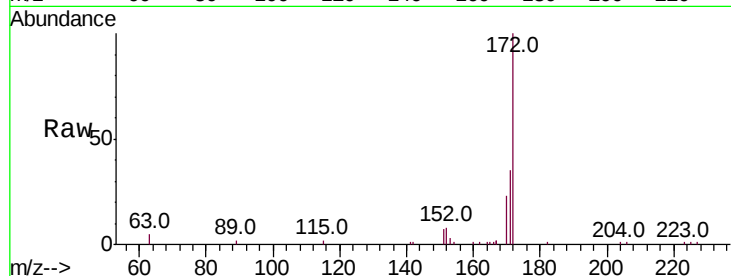




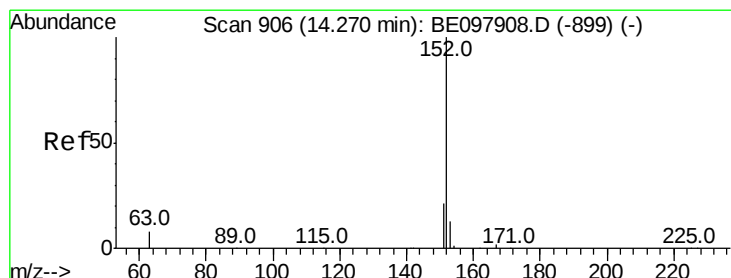
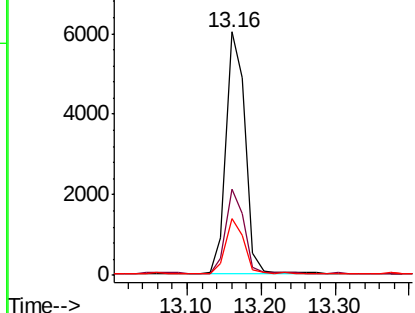
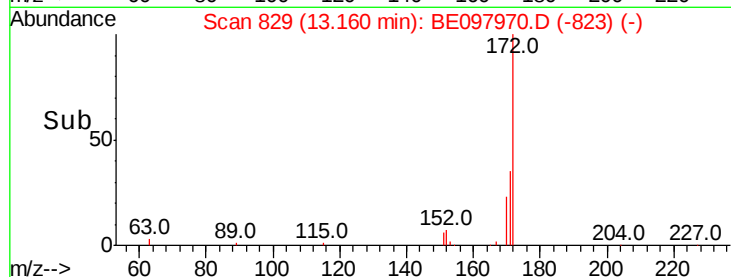
#15
2-Fluorobiphenyl
Concen: 0.451 ng
RT: 13.16 min Scan# 829
Delta R.T. -0.02 min
Lab File: BE097970.D
Acq: 18 Oct 2018 10:33

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 10713
Ion Ratio Lower Upper
172 100
171 35.3 26.0 39.0
170 23.4 18.0 27.0

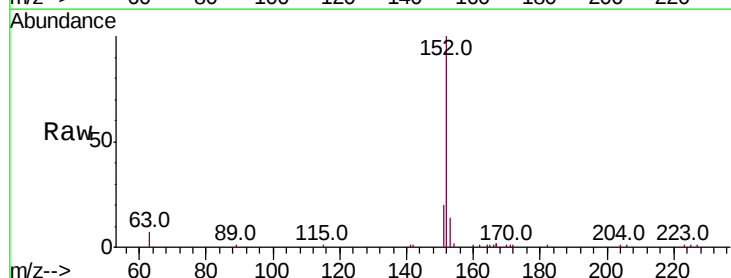


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

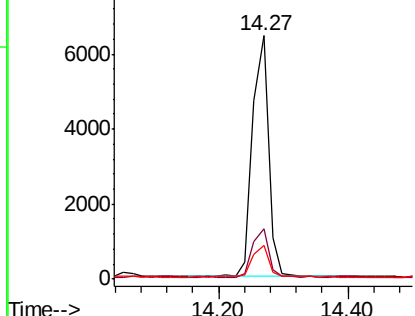
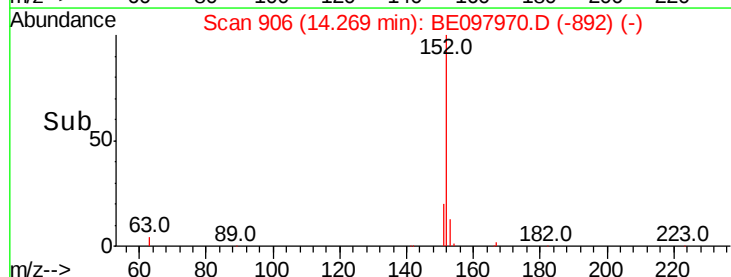


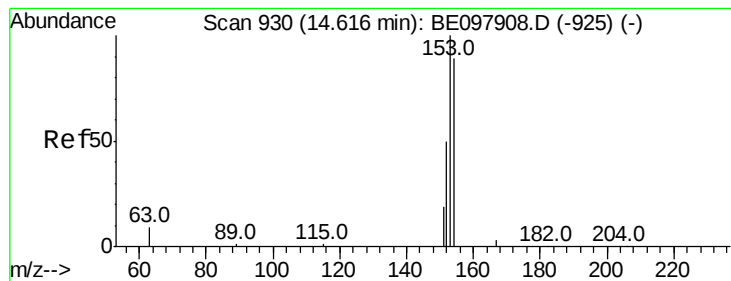
#16
Acenaphthylene
Concen: 0.413 ng
RT: 14.27 min Scan# 906
Delta R.T. -0.00 min
Lab File: BE097970.D
Acq: 18 Oct 2018 10:33

Tgt Ion:152 Resp: 11099
Ion Ratio Lower Upper
152 100
151 20.0 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: 0.414 ng

RT: 14.61 min Scan# 930

Delta R.T. -0.00 min

Lab File: BE097970.D

Acq: 18 Oct 2018 10:33

Instrument :

BNA_E

ClientSampleId :

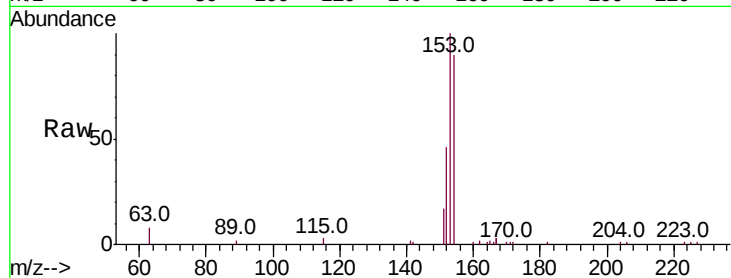
Tot Ion:154 Resp: 6801

Ion Ratio Lower Upper

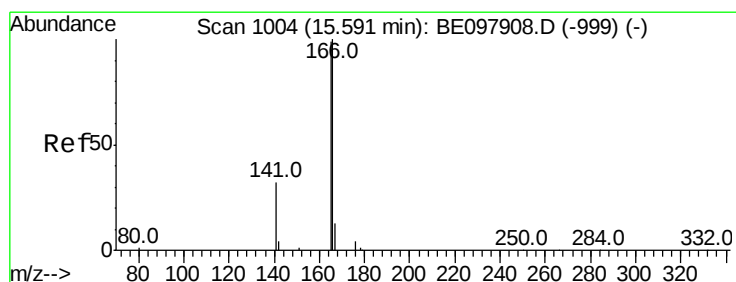
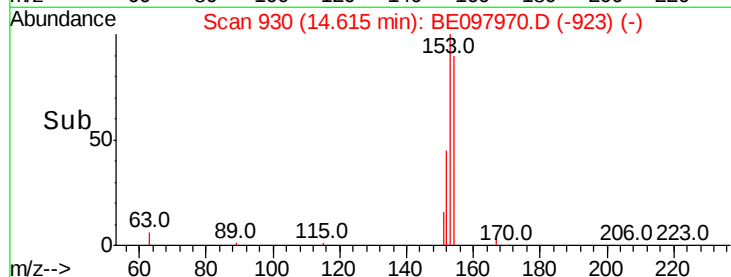
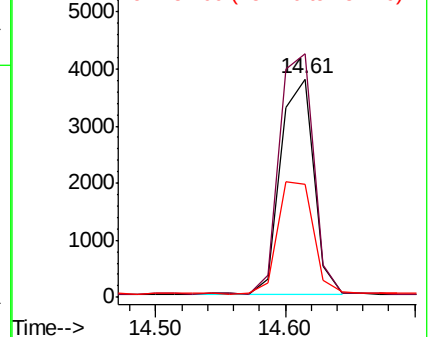
154 100

153 114.4 92.6 139.0

152 55.2 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: 0.439 ng

RT: 15.59 min Scan# 1004

Delta R.T. -0.00 min

Lab File: BE097970.D

Acq: 18 Oct 2018 10:33

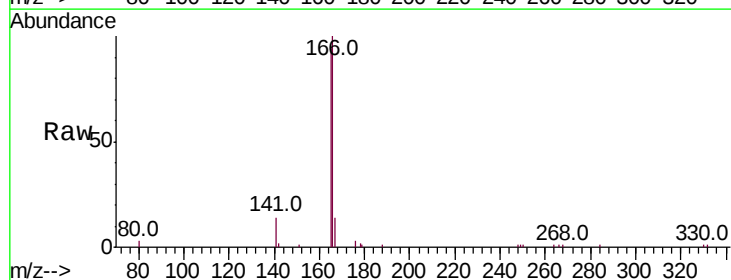
Tgt Ion:166 Resp: 9903

Ion Ratio Lower Upper

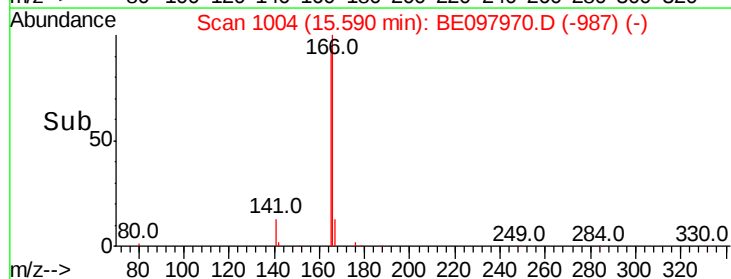
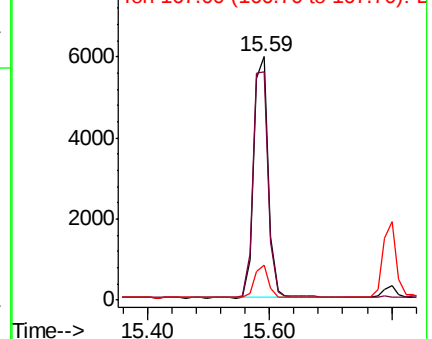
166 100

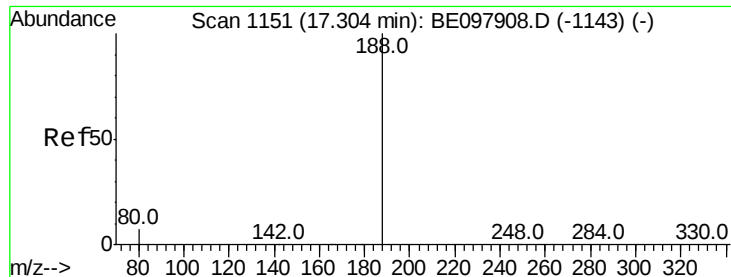
165 98.7 78.2 117.4

167 13.2 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: BE097970.D

Acq: 18 Oct 2018 10:33

Instrument :

BNA_E

ClientSampleId :

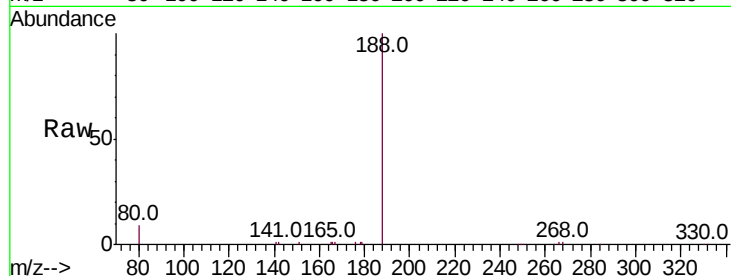
Tot Ion:188 Resp: 16476

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

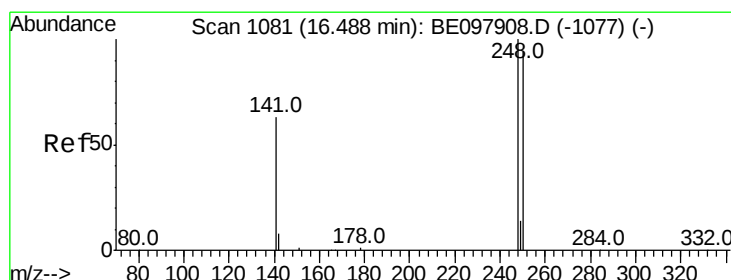
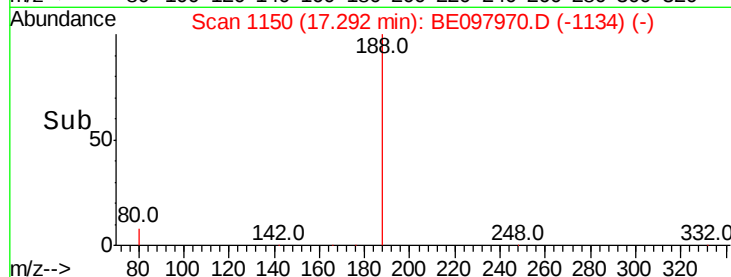
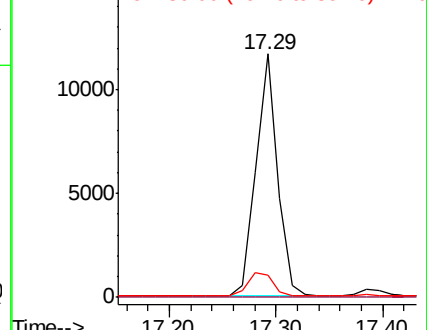
80 9.2 6.3 9.5



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: 0.398 ng

RT: 16.48 min Scan# 1080

Delta R.T. -0.01 min

Lab File: BE097970.D

Acq: 18 Oct 2018 10:33

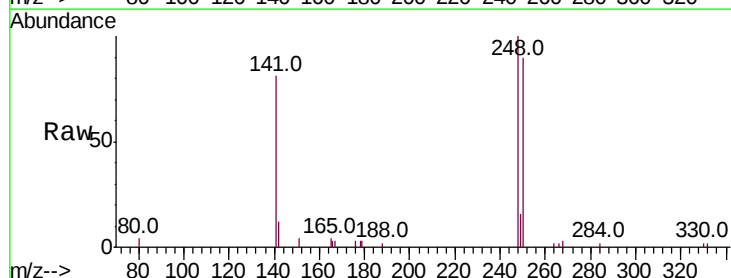
Tgt Ion:248 Resp: 3580

Ion Ratio Lower Upper

248 100

250 89.7 75.1 112.7

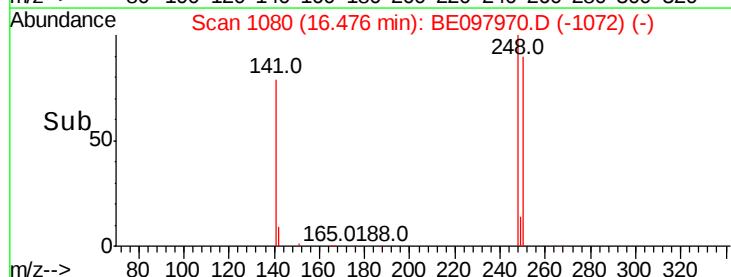
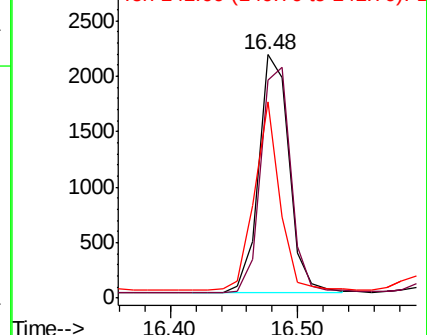
141 80.9 51.8 77.8#

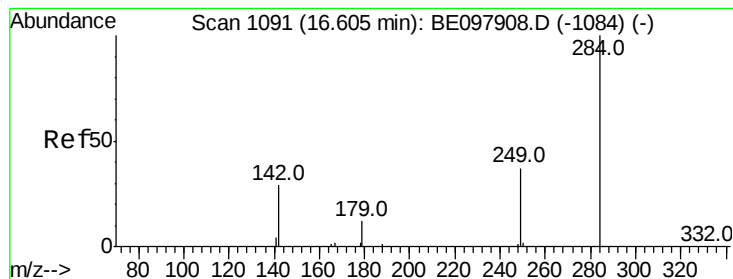


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.394 ng

RT: 16.60 min Scan# 1091

Delta R.T. -0.00 min

Lab File: BE097970.D

Acq: 18 Oct 2018 10:33

Instrument :

BNA_E

ClientSampleId :

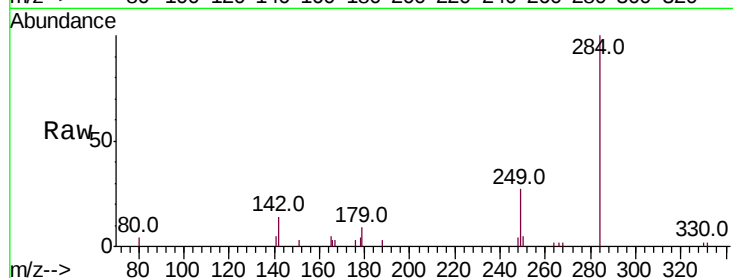
Tot Ion:284 Resp: 3488

Ion Ratio Lower Upper

284 100

142 32.6 25.9 38.9

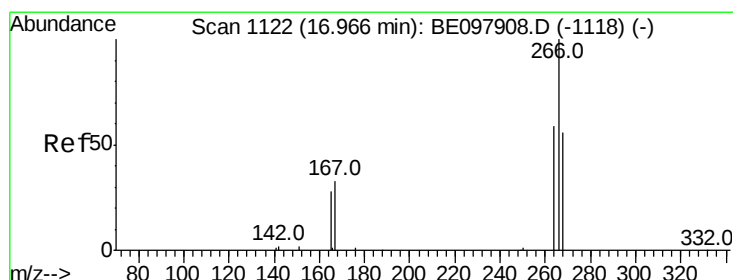
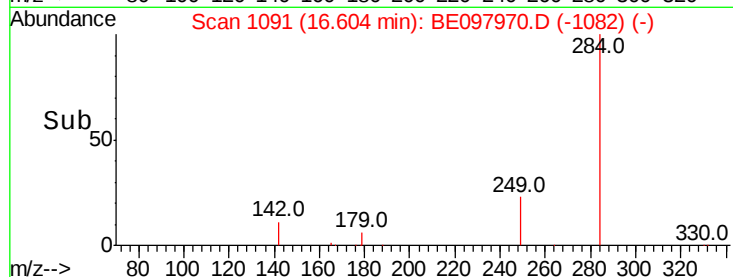
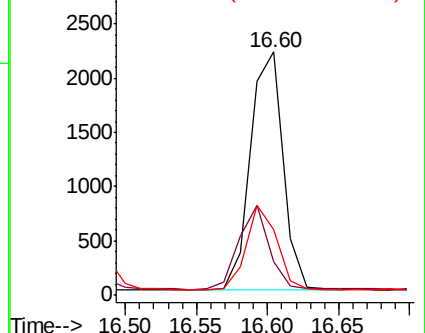
249 32.8 26.6 40.0



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: 0.679 ng

RT: 16.95 min Scan# 1121

Delta R.T. -0.01 min

Lab File: BE097970.D

Acq: 18 Oct 2018 10:33

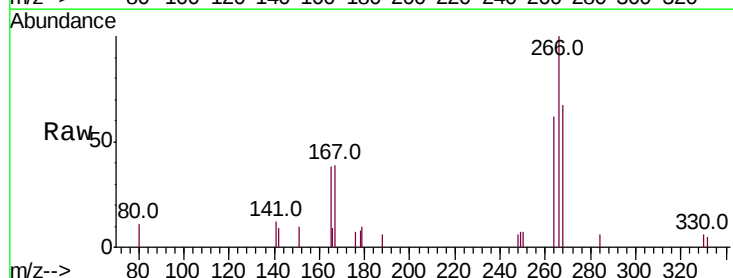
Tgt Ion:266 Resp: 1605

Ion Ratio Lower Upper

266 100

264 61.8 51.3 76.9

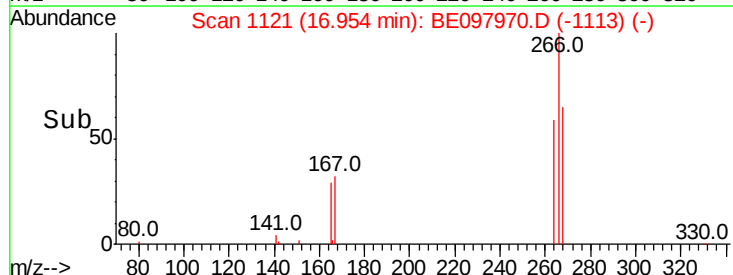
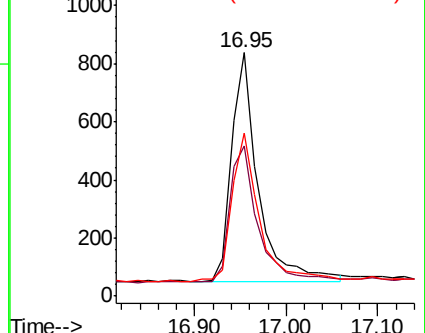
268 66.8 50.1 75.1

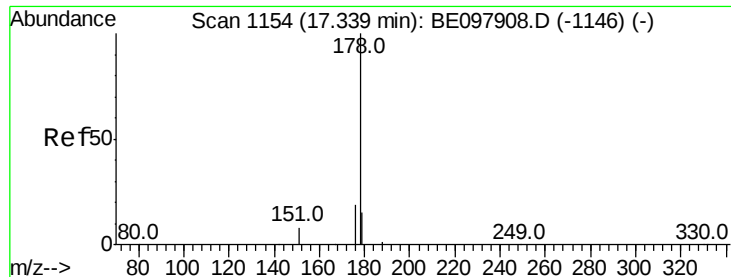


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.446 ng

RT: 17.33 min Scan# 1153

Delta R.T. -0.01 min

Lab File: BE097970.D

Acq: 18 Oct 2018 10:33

Instrument :

BNA_E

ClientSampleId :

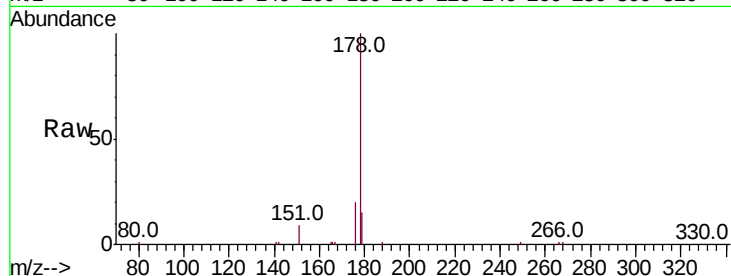
Tot Ion:178 Resp: 18657

Ion Ratio Lower Upper

178 100

176 18.8 15.5 23.3

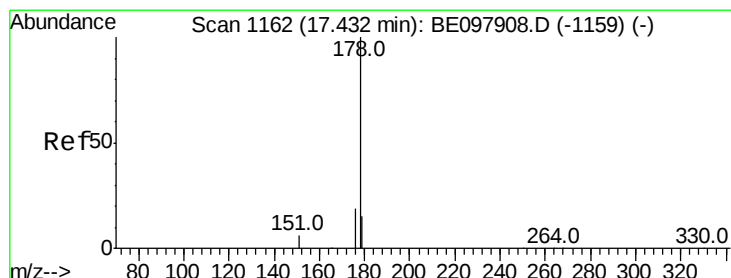
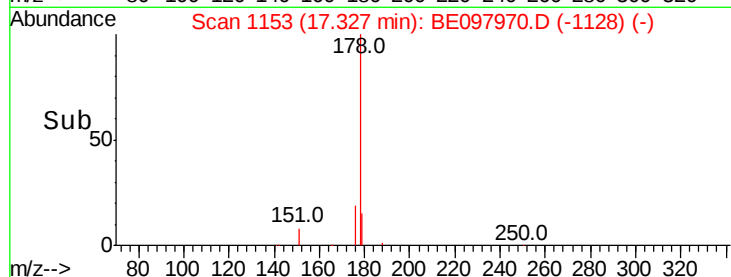
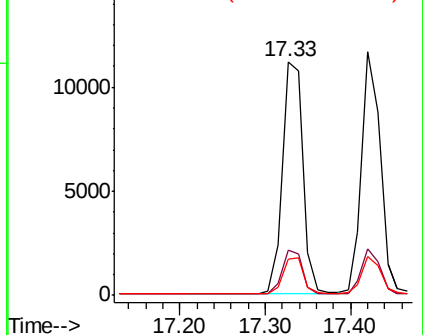
179 16.0 12.2 18.4



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: 0.443 ng

RT: 17.42 min Scan# 1161

Delta R.T. -0.01 min

Lab File: BE097970.D

Acq: 18 Oct 2018 10:33

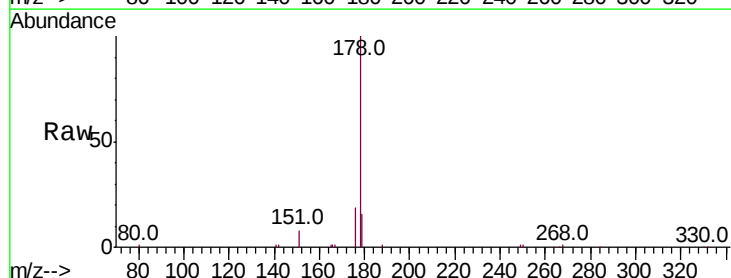
Tgt Ion:178 Resp: 17539

Ion Ratio Lower Upper

178 100

176 18.4 14.9 22.3

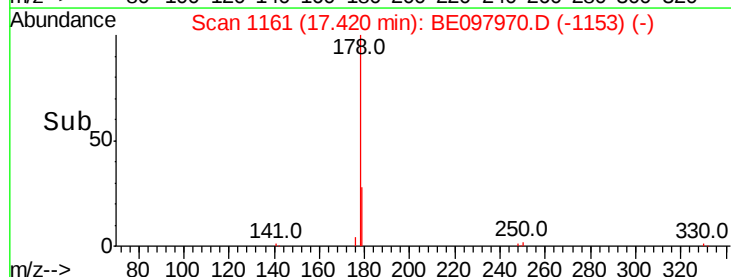
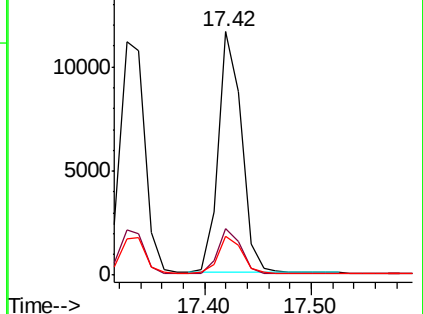
179 15.8 11.9 17.9

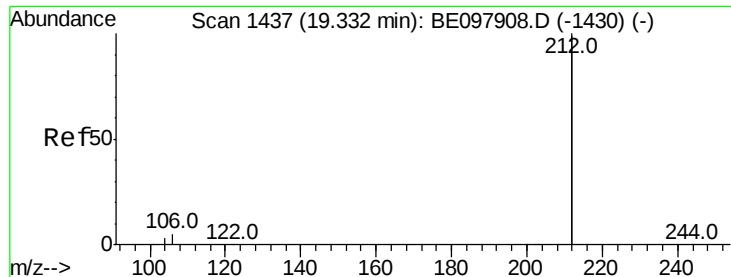


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.419 ng

RT: 19.32 min Scan# 1435

Delta R.T. -0.01 min

Lab File: BE097970.D

Acq: 18 Oct 2018 10:33

Instrument :

BNA_E

ClientSampleId :

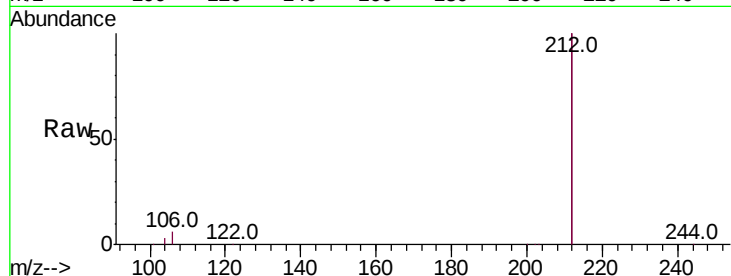
Tot Ion:212 Resp: 93617

Ion Ratio Lower Upper

212 100

106 2.8 2.3 3.5

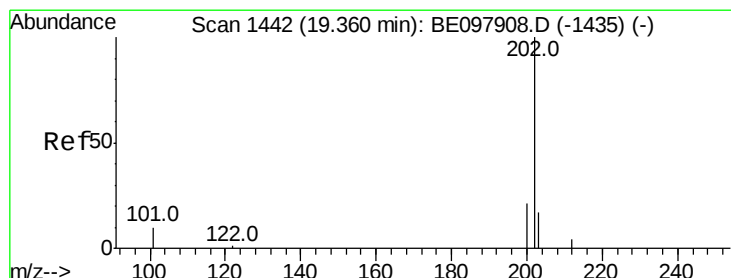
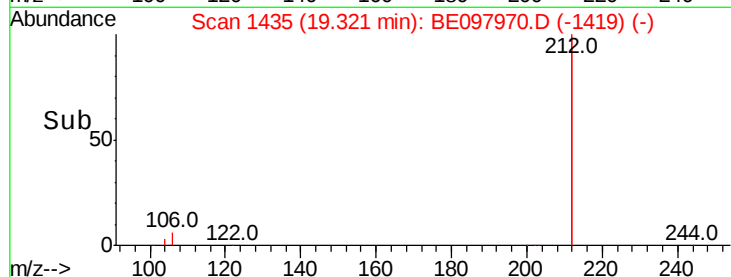
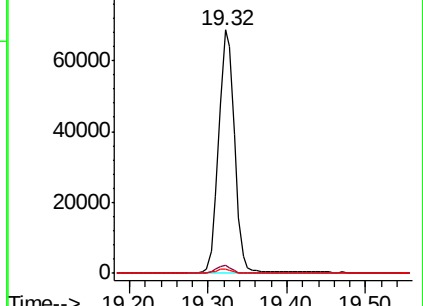
104 1.5 1.3 1.9



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: 0.456 ng

RT: 19.35 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BE097970.D

Acq: 18 Oct 2018 10:33

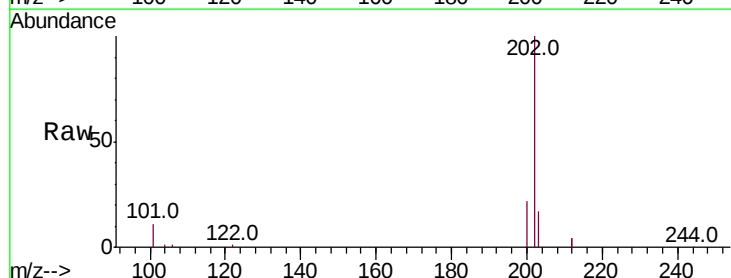
Tgt Ion:202 Resp: 25033

Ion Ratio Lower Upper

202 100

101 10.3 8.2 12.2

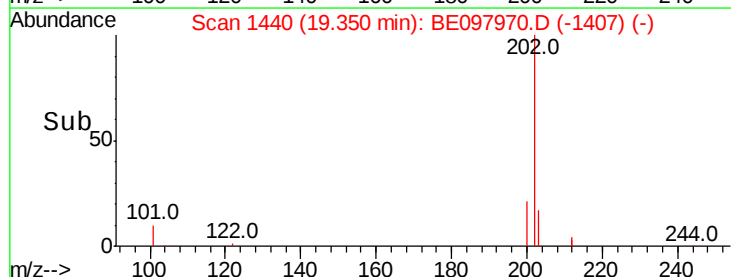
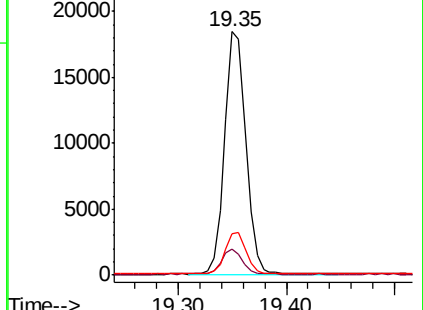
203 16.9 15.0 22.4

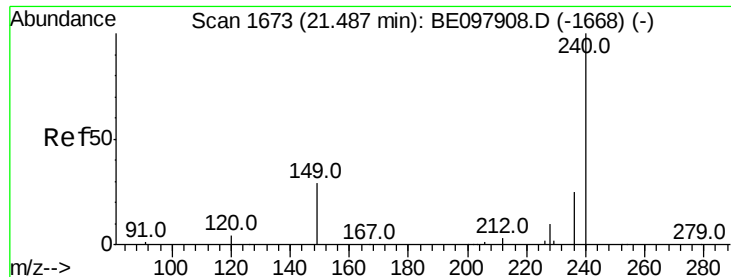


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE097970.D

Acq: 18 Oct 2018 10:33

Instrument :

BNA_E

ClientSampleId :

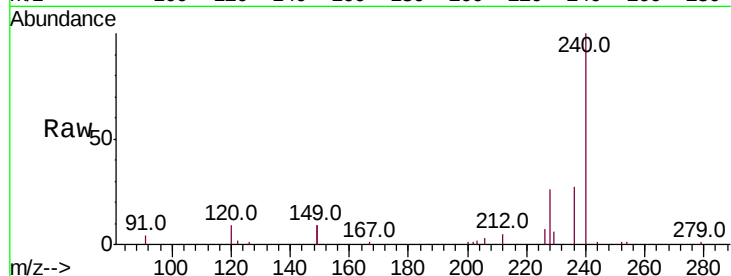
Tot Ion:240 Resp: 20997

Ion Ratio Lower Upper

240 100

120 9.3 7.1 10.7

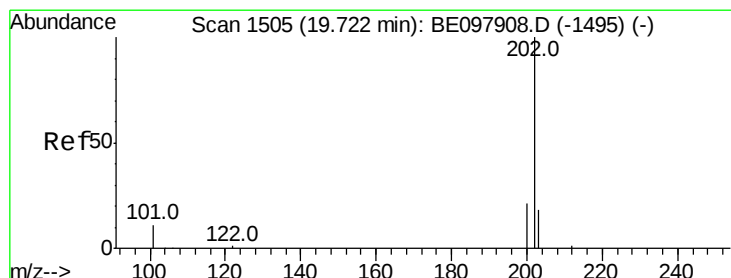
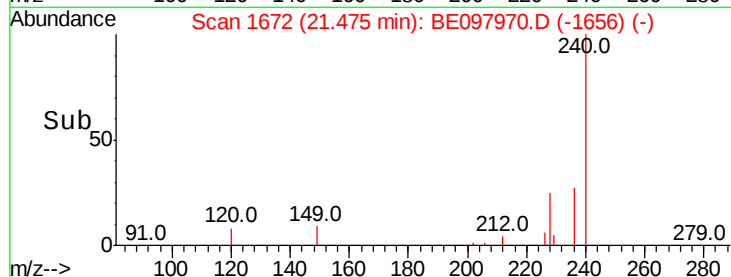
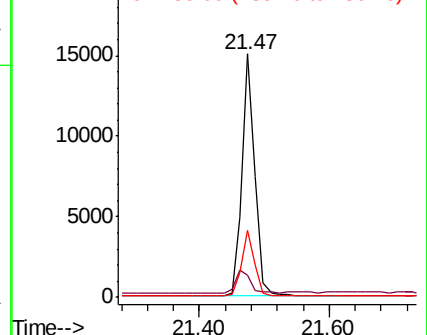
236 27.2 21.3 31.9



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: 0.427 ng

RT: 19.71 min Scan# 1503

Delta R.T. -0.01 min

Lab File: BE097970.D

Acq: 18 Oct 2018 10:33

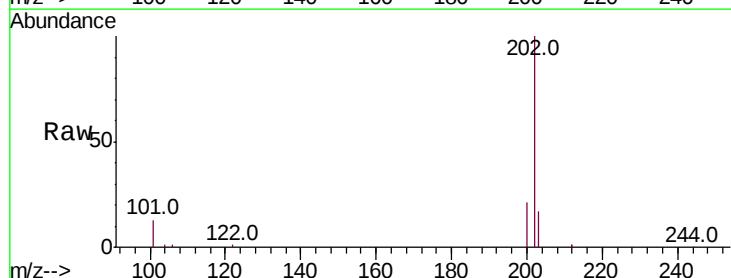
Tgt Ion:202 Resp: 25880

Ion Ratio Lower Upper

202 100

200 20.8 17.0 25.4

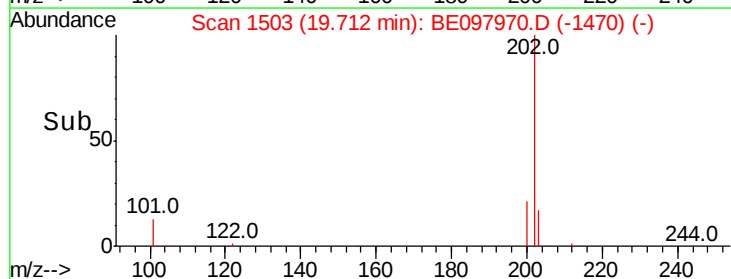
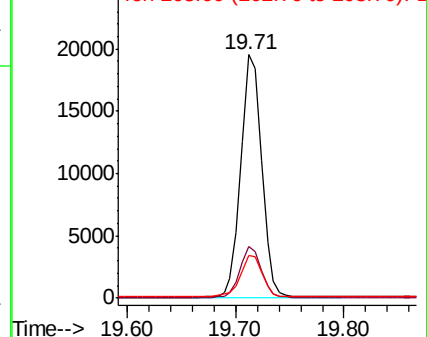
203 17.8 14.2 21.4

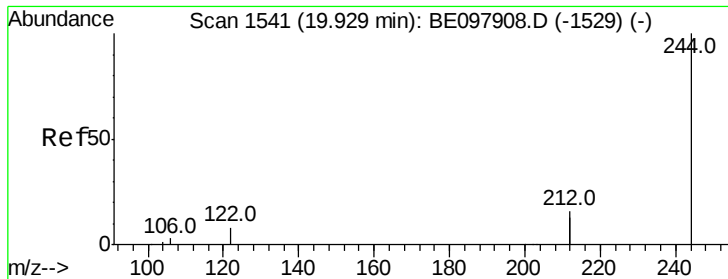


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.504 ng

RT: 19.92 min Scan# 1539

Delta R.T. -0.01 min

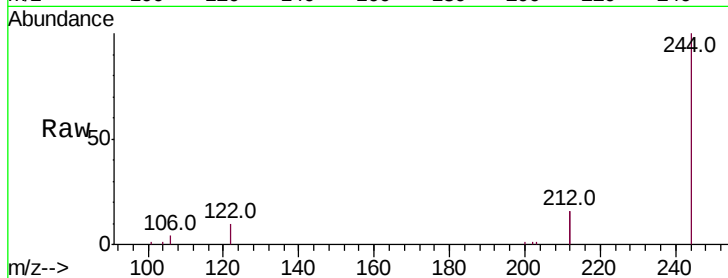
Lab File: BE097970.D

Acq: 18 Oct 2018 10:33

Instrument :

BNA_E

ClientSampled :



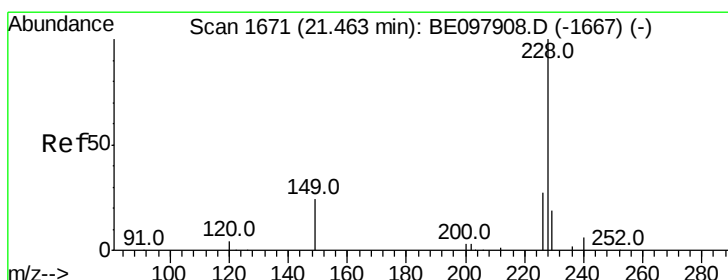
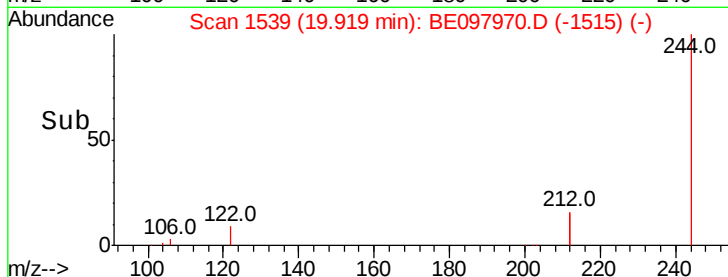
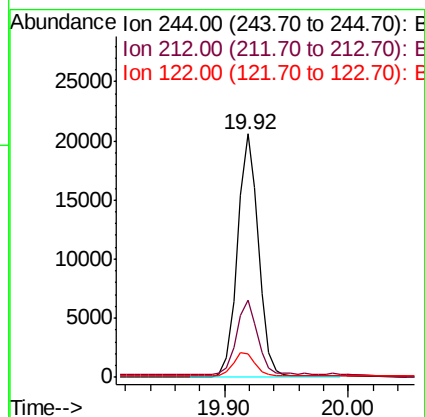
Tot Ion:244 Resp: 24278

Ion Ratio Lower Upper

244 100

212 31.6 26.2 39.2

122 9.7 7.7 11.5



#30

Benzo(a)anthracene

Concen: 0.439 ng

RT: 21.46 min Scan# 1671

Delta R.T. -0.00 min

Lab File: BE097970.D

Acq: 18 Oct 2018 10:33

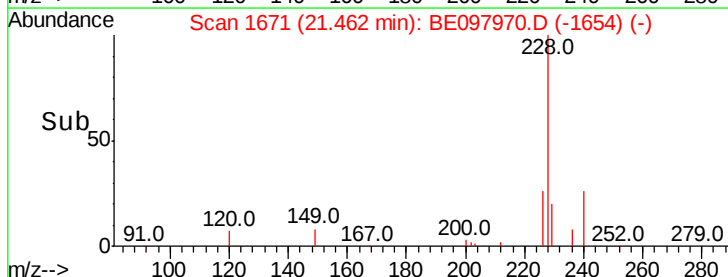
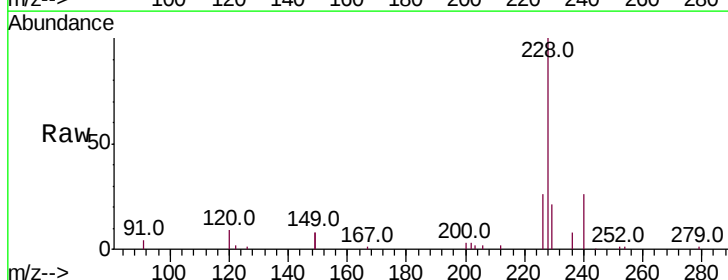
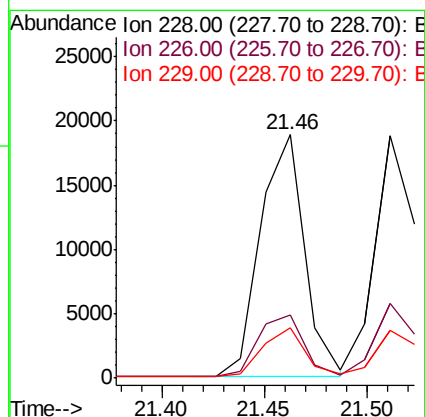
Tgt Ion:228 Resp: 28273

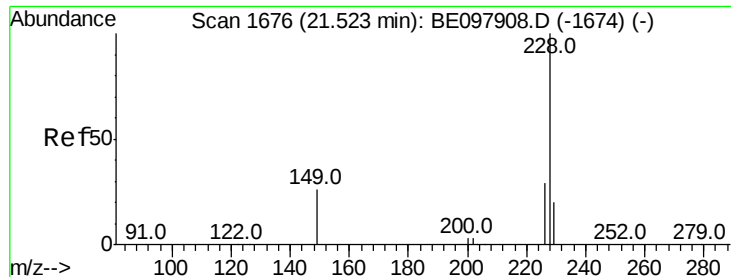
Ion Ratio Lower Upper

228 100

226 25.9 22.6 33.8

229 20.6 16.9 25.3





#31

Chrysene

Concen: 0.434 ng

RT: 21.51 min Scan# 1675

Delta R.T. -0.01 min

Lab File: BE097970.D

Acq: 18 Oct 2018 10:33

Instrument :

BNA_E

ClientSampled :

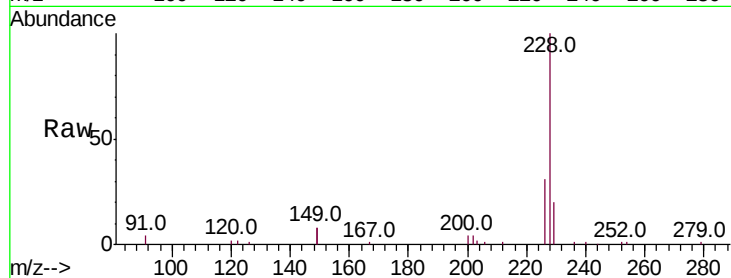
Tot Ion:228 Resp: 26466

Ion Ratio Lower Upper

228 100

226 31.0 24.3 36.5

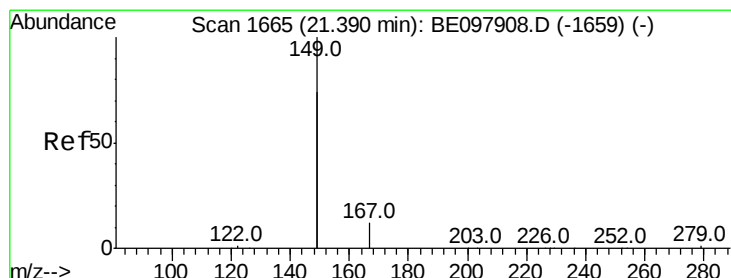
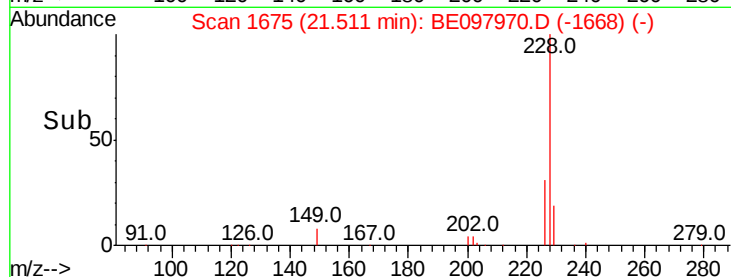
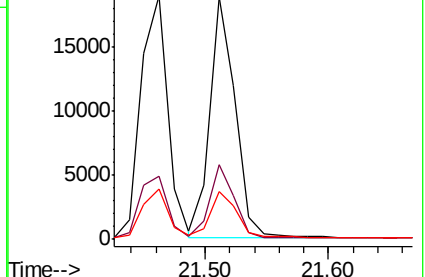
229 19.9 17.3 25.9



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: 0.467 ng

RT: 21.39 min Scan# 1665

Delta R.T. -0.00 min

Lab File: BE097970.D

Acq: 18 Oct 2018 10:33

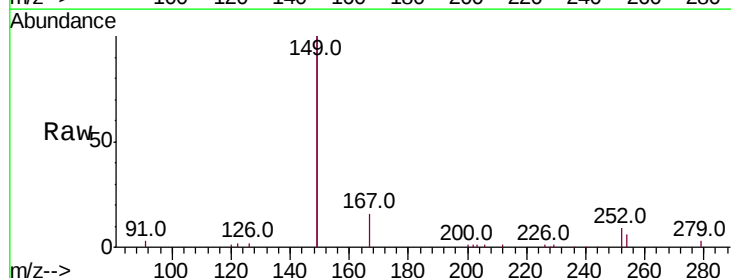
Tgt Ion:149 Resp: 67192

Ion Ratio Lower Upper

149 100

167 7.1 5.6 8.4

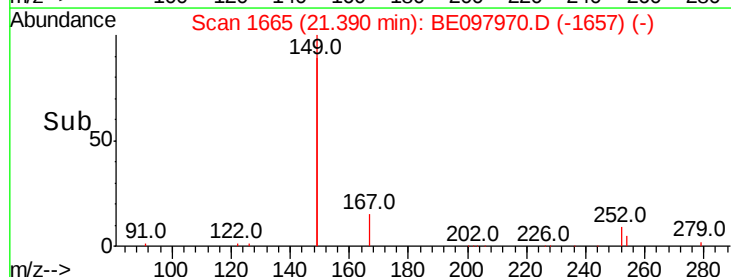
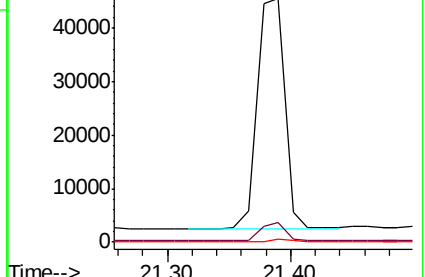
279 1.1 0.9 1.3

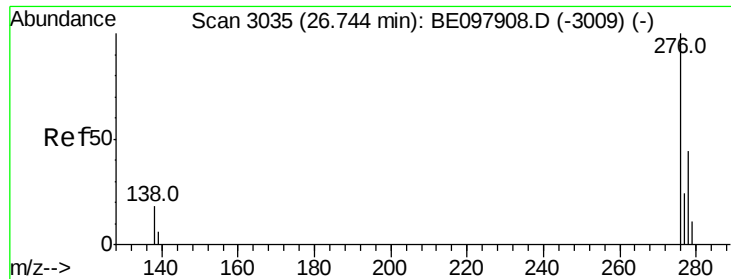


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.418 ng

RT: 26.72 min Scan# 3028

Delta R.T. -0.02 min

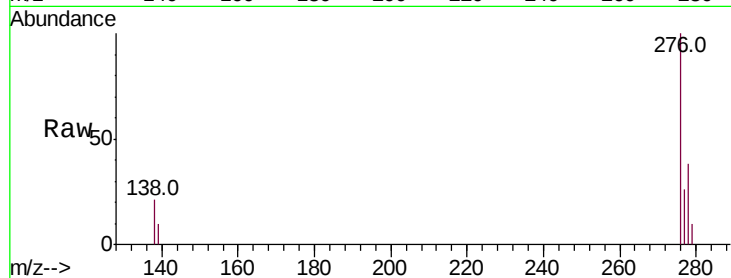
Lab File: BE097970.D

Acq: 18 Oct 2018 10:33

Instrument :

BNA_E

ClientSampleId :



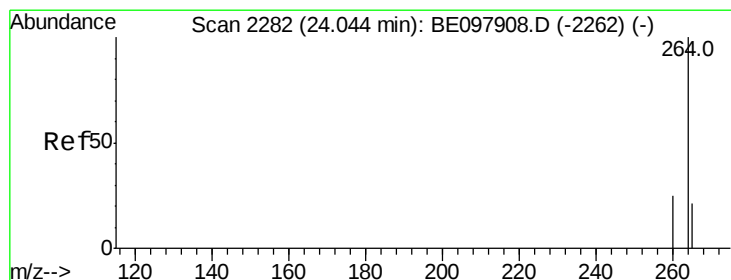
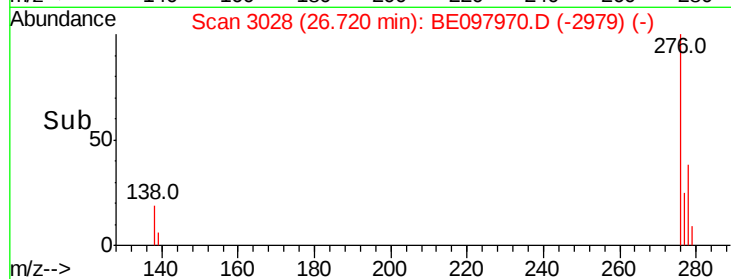
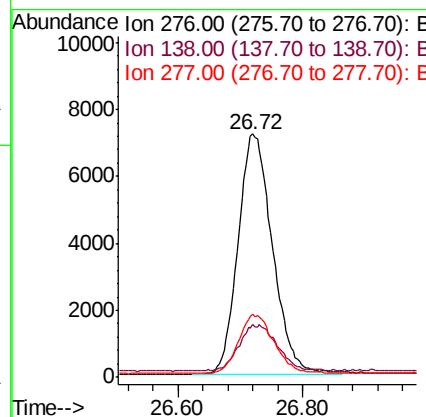
Tot Ion:276 Resp: 27796

Ion Ratio Lower Upper

276 100

138 9.9 17.0 25.6#

277 24.7 20.5 30.7



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.03 min Scan# 2278

Delta R.T. -0.01 min

Lab File: BE097970.D

Acq: 18 Oct 2018 10:33

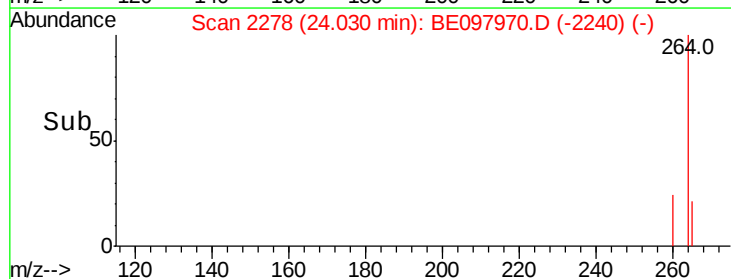
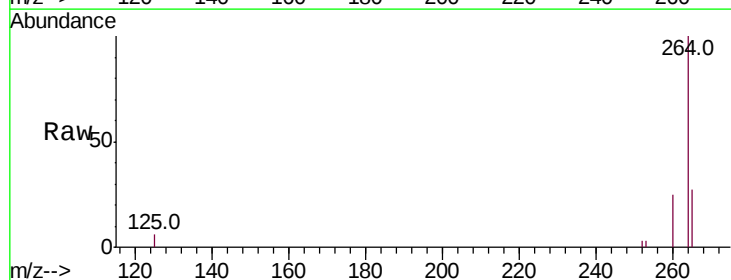
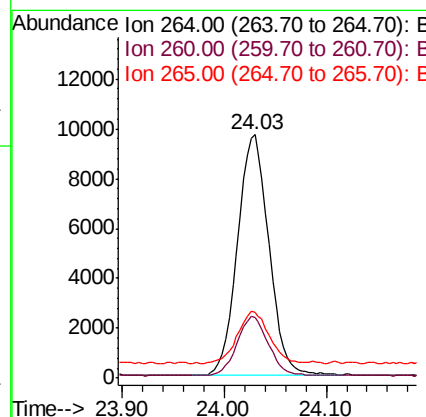
Tgt Ion:264 Resp: 20717

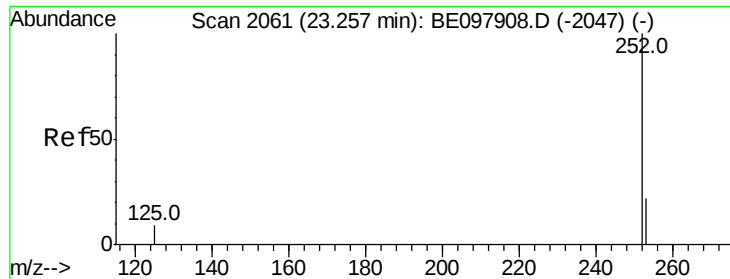
Ion Ratio Lower Upper

264 100

260 24.7 21.1 31.7

265 26.8 29.2 43.8#





#35

Benzo(b)fluoranthene

Concen: 0.442 ng

RT: 23.25 min Scan# 2058

Delta R.T. -0.01 min

Lab File: BE097970.D

Acq: 18 Oct 2018 10:33

Instrument :

BNA_E

ClientSampleId :

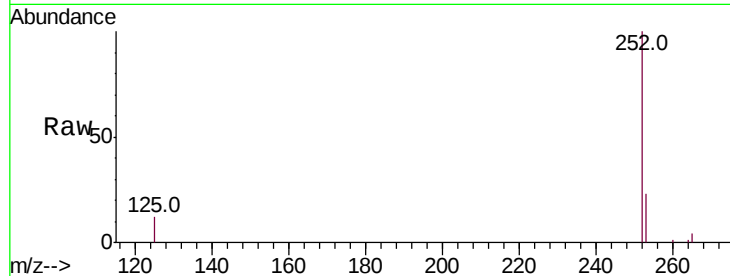
Tot Ion:252 Resp: 26361

Ion Ratio Lower Upper

252 100

253 23.5 20.6 31.0

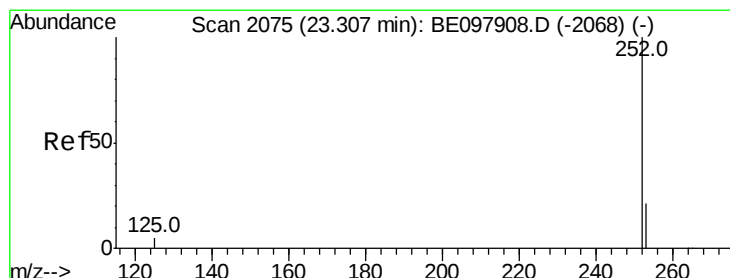
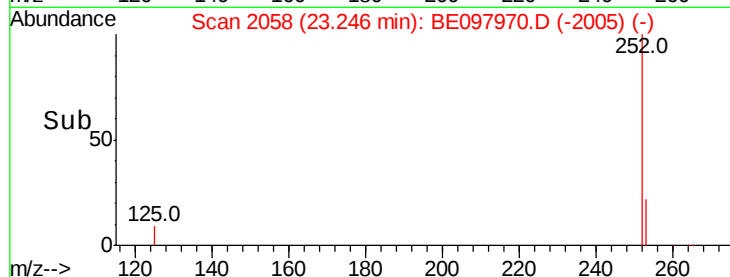
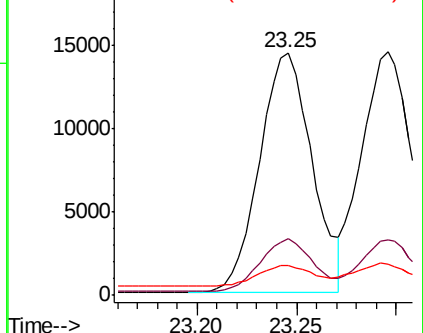
125 12.1 14.3 21.5#



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: 0.422 ng

RT: 23.30 min Scan# 2072

Delta R.T. -0.01 min

Lab File: BE097970.D

Acq: 18 Oct 2018 10:33

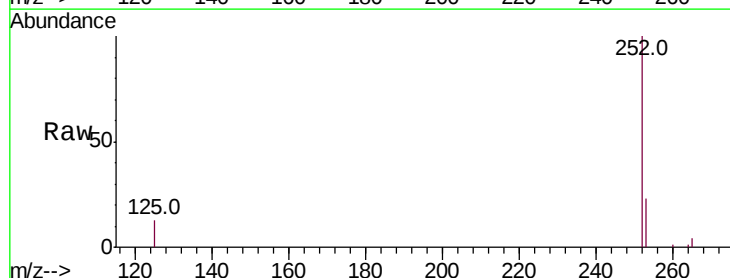
Tgt Ion:252 Resp: 26244

Ion Ratio Lower Upper

252 100

253 23.0 20.4 30.6

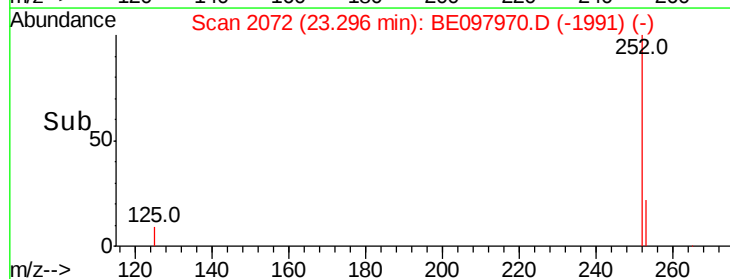
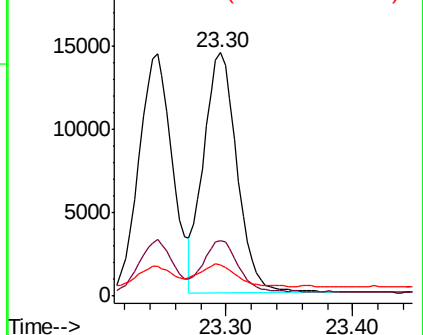
125 12.7 14.6 21.8#

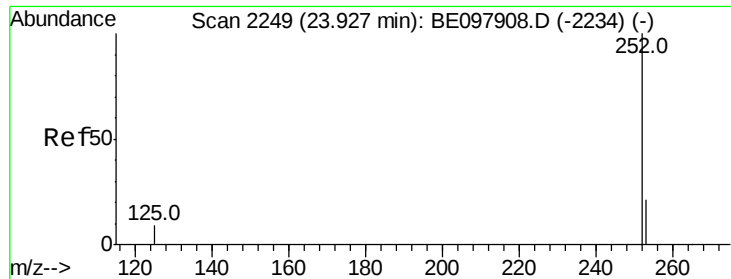


Abundance Ion 252.00 (251.70 to 252.70): E

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: BE097970.D

Acq: 18 Oct 2018 10:33

Instrument :

BNA_E

ClientSampled :

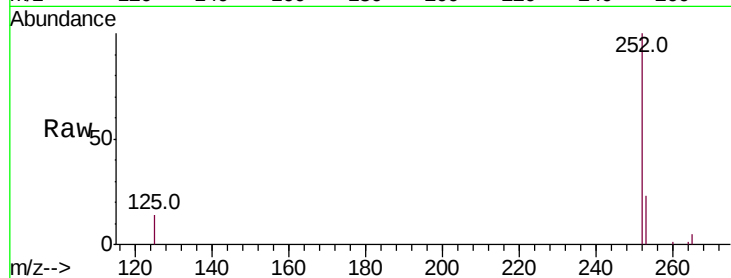
Tot Ion:252 Resp: 24119

Ion Ratio Lower Upper

252 100

253 22.7 20.6 31.0

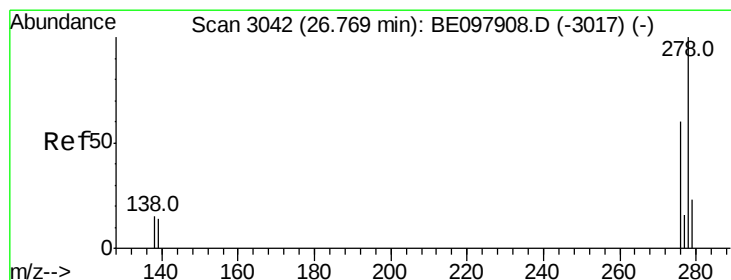
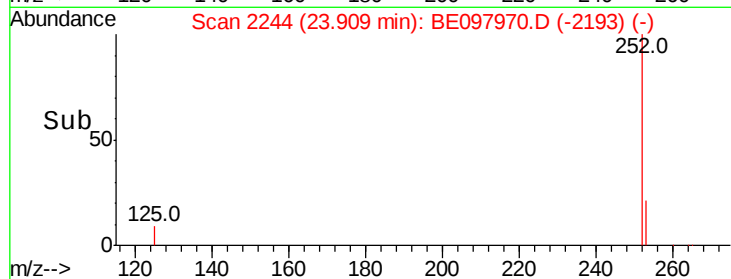
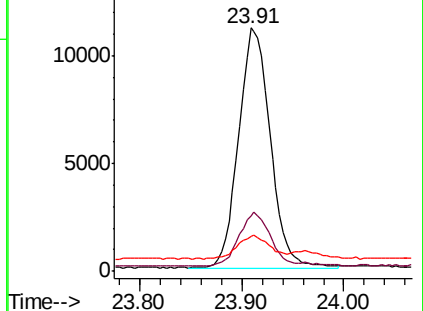
125 14.3 15.6 23.4#



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: 0.412 ng

RT: 26.75 min Scan# 3037

Delta R.T. -0.02 min

Lab File: BE097970.D

Acq: 18 Oct 2018 10:33

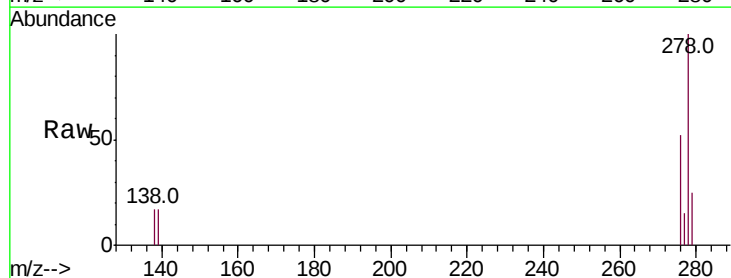
Tgt Ion:278 Resp: 23428

Ion Ratio Lower Upper

278 100

139 16.7 16.3 24.5

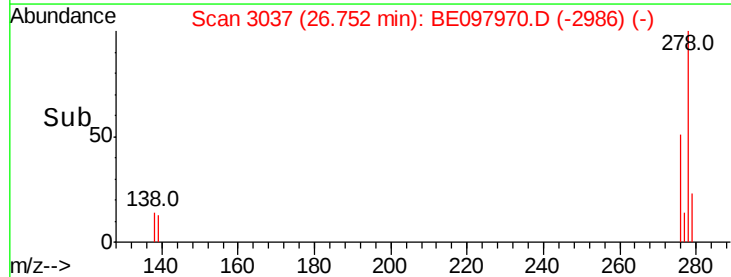
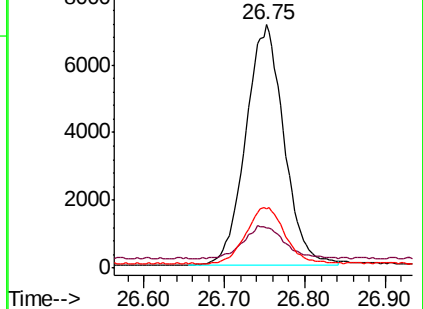
279 24.6 21.4 32.2

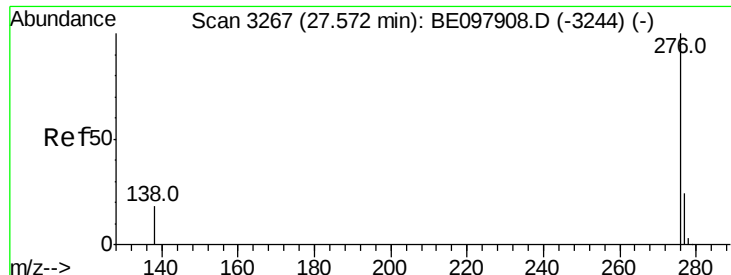


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.344 ng

RT: 27.55 min Scan# 3261

Delta R.T. -0.02 min

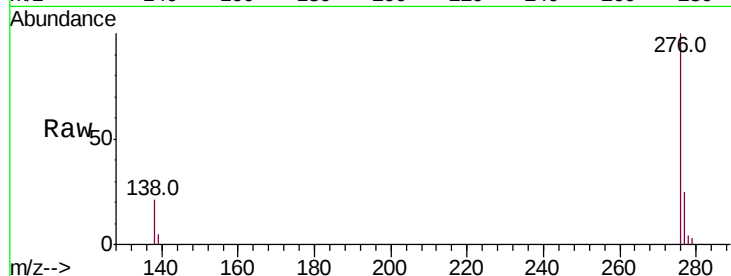
Lab File: BE097970.D

Acq: 18 Oct 2018 10:33

Instrument :

BNA_E

ClientSampleId :



Tot Ion:276 Resp: 20028

Ion Ratio Lower Upper

276 100

277 25.2 22.1 33.1

138 21.4 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

