

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE082018\
 Data File : BE097343.D
 Acq On : 20 Aug 2018 21:58
 Operator : SJ/JU
 Sample : J4473-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 21 05:06:30 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE082018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 20 18:32:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	966	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	5007	0.40	ng	0.01
13) Acenaphthene-d10	14.01	164	2828	0.40	ng	0.00
19) Phenanthrene-d10	16.76	188	7073	0.40	ng	0.00
27) Chrysene-d12	20.98	240	6526	0.40	ng	0.00
34) Perylene-d12	23.21	264	5749	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	451	0.20	ng	0.00
5) Phenol-d6	6.60	99	363	0.11	ng	0.00
8) Nitrobenzene-d5	8.52	82	1282	0.60	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	3049	0.45	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	266	0.50	ng	-0.01
15) 2-Fluorobiphenyl	12.63	172	7522	0.65	ng	0.00
25) Fluoranthene-d10	18.80	212	32261	0.51	ng	0.00
29) Terphenyl-d14	19.42	244	8098	0.62	ng	0.00

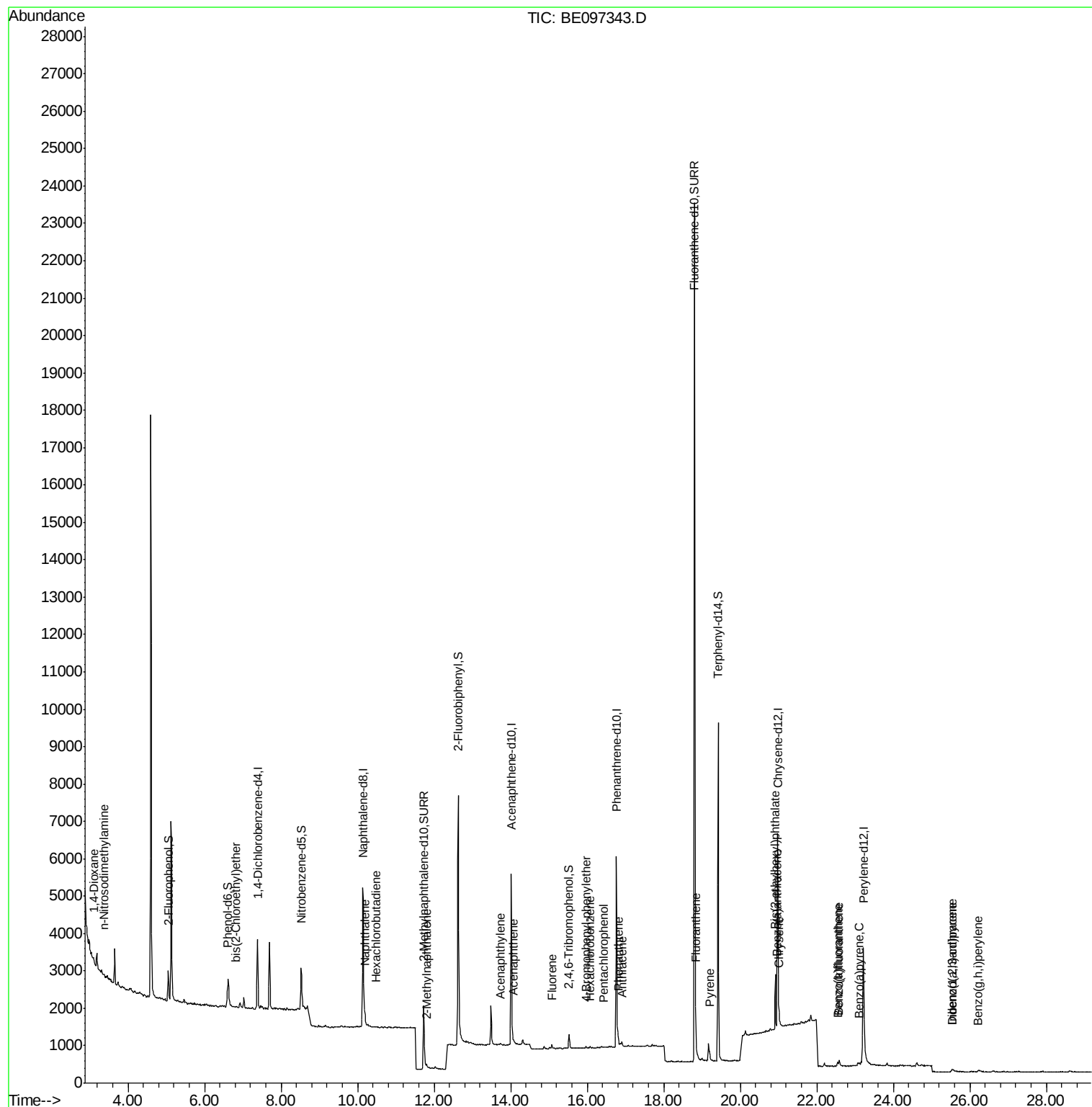
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.10	88	52	0.005	ng	# 1
3) n-Nitrosodimethylamine	3.36	42	15	0.011	ng	# 32
6) bis(2-Chloroethyl)ether	6.83	93	11	0.003	ng	# 76
9) Naphthalene	10.19	128	524	0.011	ng	# 74
10) Hexachlorobutadiene	10.47	225	22	0.011	ng	# 63
12) 2-Methylnaphthalene	11.80	142	71	0.010	ng	# 73
16) Acenaphthylene	13.73	152	35	0.003	ng	# 51
17) Acenaphthene	14.07	154	30	0.004	ng	# 89
18) Fluorene	15.07	166	80	0.009	ng	# 75
20) 4-Bromophenyl-phenylether	15.97	248	35	0.011	ng	# 63
21) Hexachlorobenzene	16.08	284	33	0.008	ng	# 78
22) Pentachlorophenol	16.44	266	8	0.025	ng	# 91
23) Phenanthrene	16.81	178	288	0.017	ng	# 94
24) Anthracene	16.90	178	129	0.010	ng	# 96
26) Fluoranthene	18.84	202	256	0.015	ng	# 93
28) Pyrene	19.20	202	228	0.013	ng	# 97
30) Benzo(a)anthracene	20.95	228	215	0.015	ng	# 57
31) Chrysene	21.02	228	198	0.011	ng	# 56
32) Bis(2-ethylhexyl)phthalate	20.92	149	1754	0.205	ng	# 98
33) Indeno(1,2,3-cd)pyrene	25.53	276	95	0.008	ng	# 55
35) Benzo(b)fluoranthene	22.54	252	164	0.011	ng	# 17
36) Benzo(k)fluoranthene	22.59	252	175	0.008	ng	# 1
37) Benzo(a)pyrene	23.12	252	161	0.012	ng	# 1
38) Dibenzo(a,h)anthracene	25.53	278	17	0.001	ng	# 1
39) Benzo(g,h,i)perylene	26.23	276	97	0.008	ng	# 1

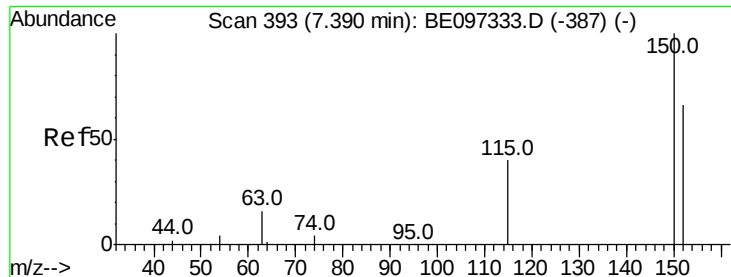
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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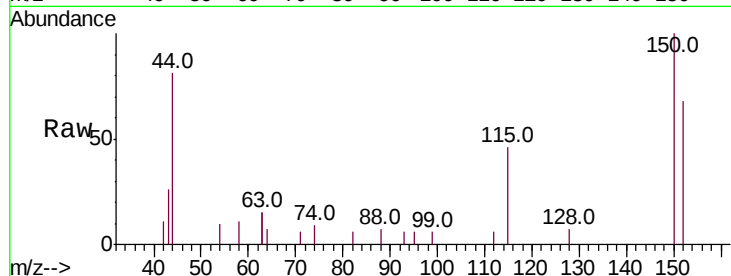


#1

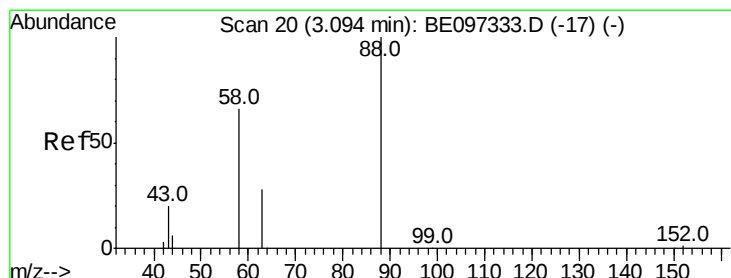
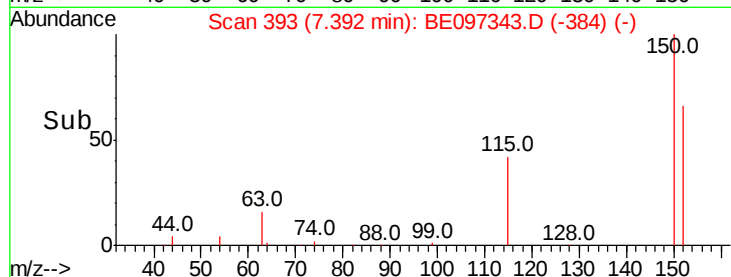
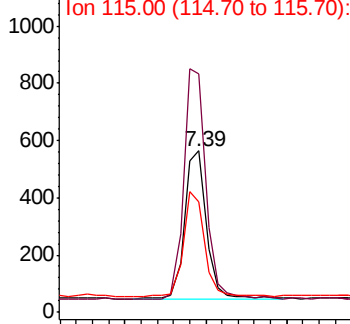
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. 0.00 min
Lab File: BE097343.D
Acq: 20 Aug 2018 21:58

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 966
Ion Ratio Lower Upper
152 100
150 147.6 117.2 175.8
115 68.4 57.0 85.6



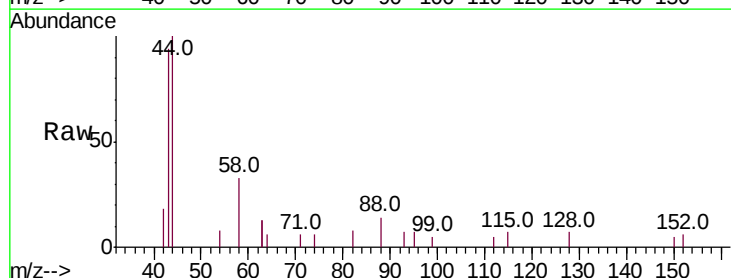
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



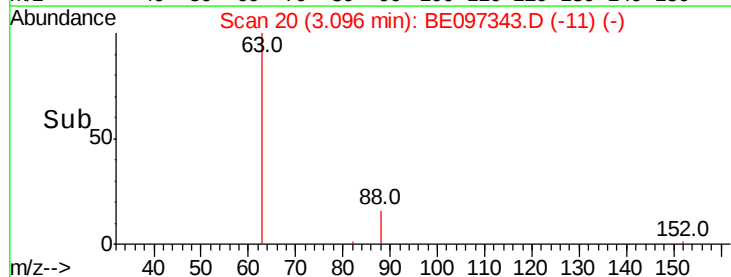
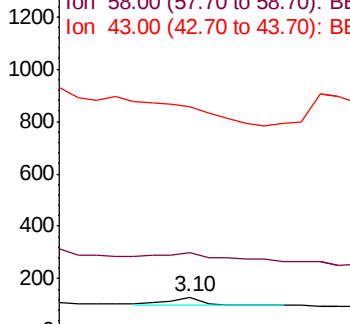
#2

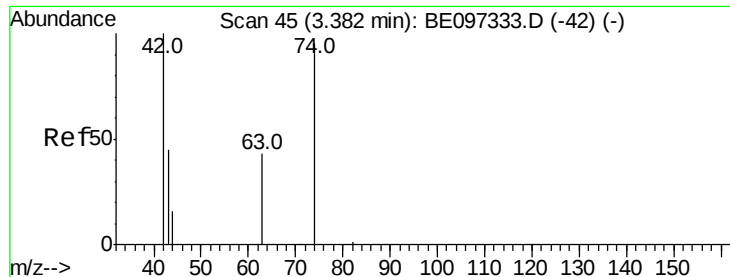
1,4-Dioxane
Concen: 0.005 ng
RT: 3.10 min Scan# 20
Delta R.T. 0.00 min
Lab File: BE097343.D
Acq: 20 Aug 2018 21:58

Tgt Ion: 88 Resp: 52
Ion Ratio Lower Upper
88 100
58 190.4 63.2 94.8#
43 0.0 41.2 61.8#



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: 0.011 ng

RT: 3.36 min Scan# 43

Delta R.T. -0.02 min

Lab File: BE097343.D

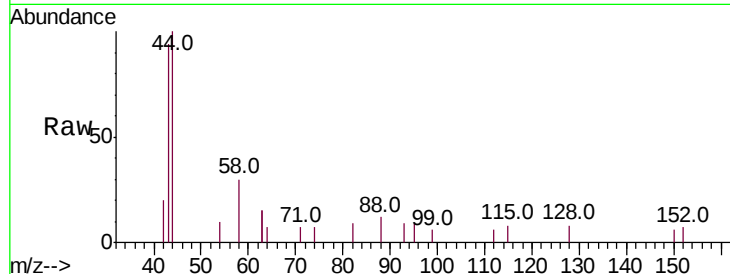
Acq: 20 Aug 2018 21:58

Instrument :

BNA_E

ClientSampled :

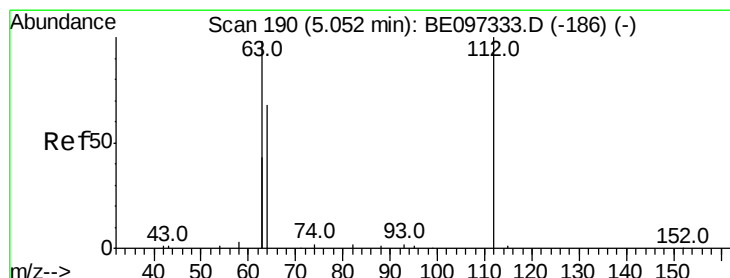
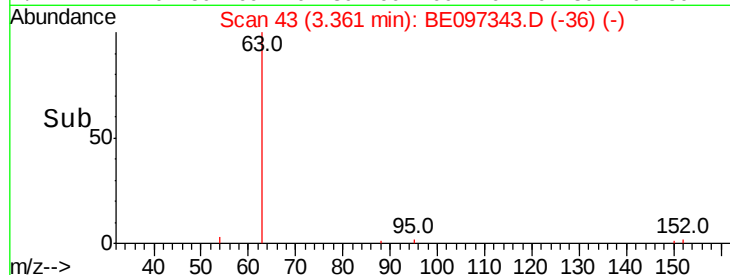
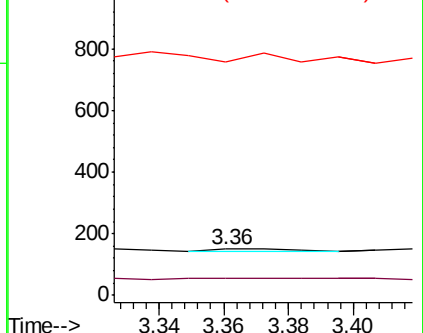
Tot Ion:	42	Resp:	15
Ion	Ratio	Lower	Upper
42	100		
74	40.0	96.0	144.0#
44	0.0	12.0	18.0#



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: 0.204 ng

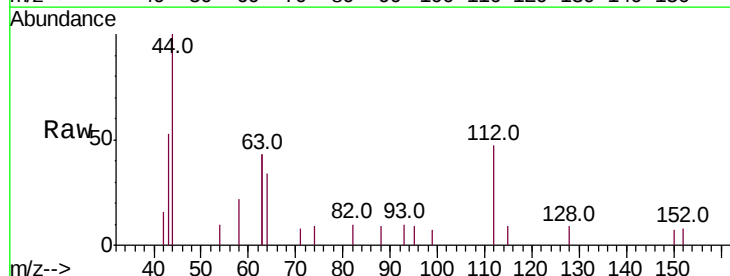
RT: 5.05 min Scan# 190

Delta R.T. 0.00 min

Lab File: BE097343.D

Acq: 20 Aug 2018 21:58

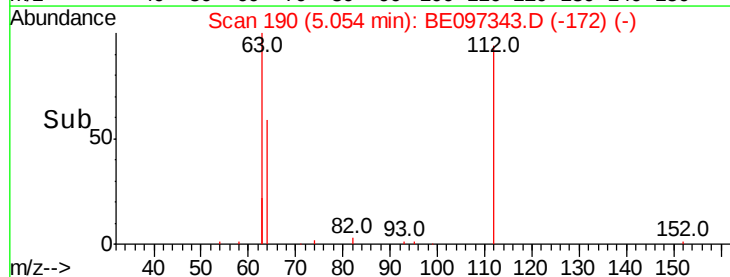
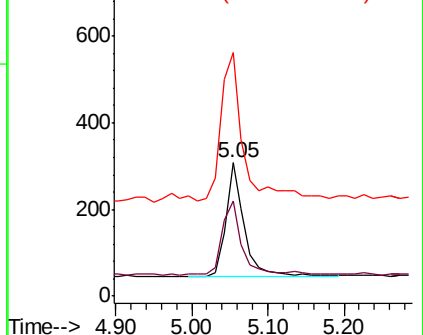
Tgt Ion:	112	Resp:	451
Ion	Ratio	Lower	Upper
112	100		
64	68.3	60.1	90.1
63	157.9	116.8	175.2

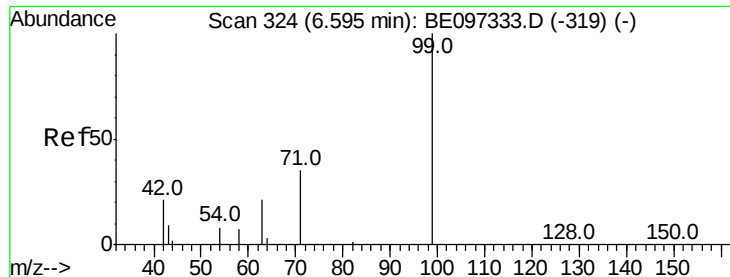


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.111 ng

RT: 6.60 min Scan# 324

Delta R.T. 0.00 min

Lab File: BE097343.D

Acq: 20 Aug 2018 21:58

Instrument :

BNA_E

ClientSampled :

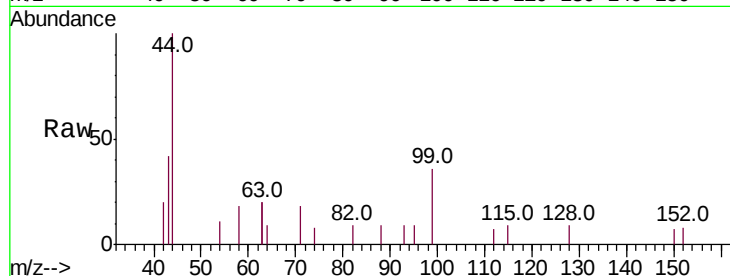
Tot Ion: 99 Resp: 363

Ion Ratio Lower Upper

99 100

42 27.0 20.2 30.2

71 37.2 28.4 42.6



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

6.60

250

200

150

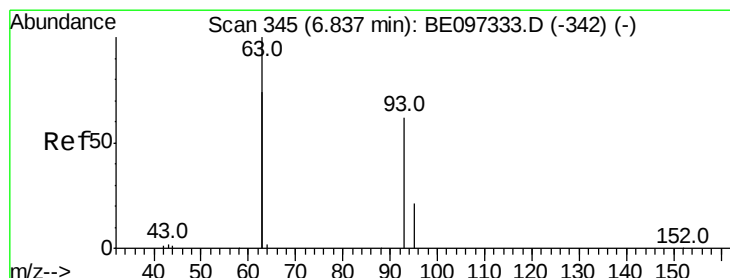
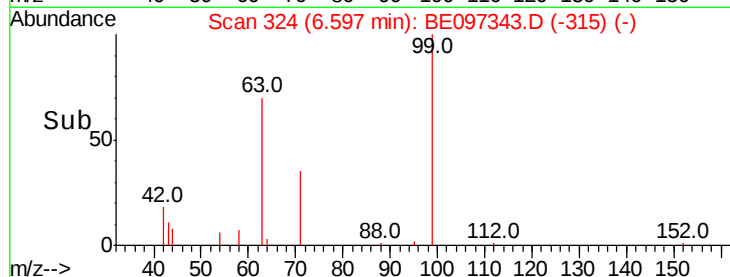
100

50

0

6.50 6.55 6.60 6.65

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.003 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE097343.D

Acq: 20 Aug 2018 21:58

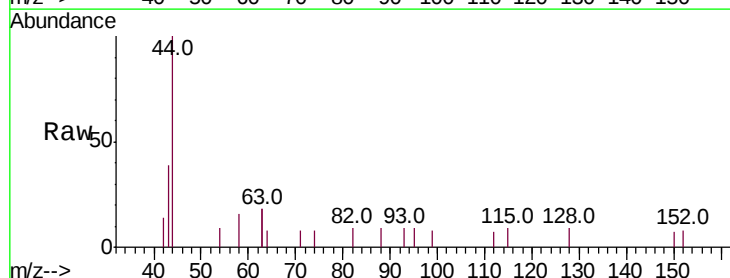
Tgt Ion: 93 Resp: 11

Ion Ratio Lower Upper

93 100

63 300.0 275.3 412.9

95 0.0 25.2 37.8#



Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0

6.83

300

250

200

150

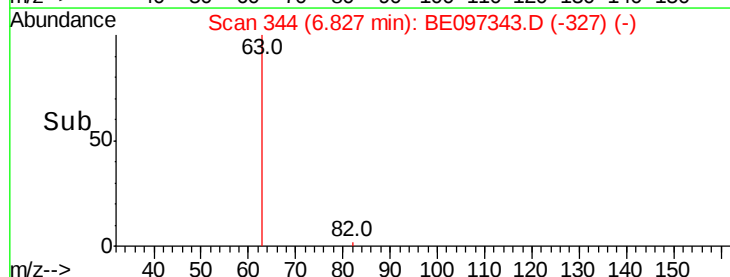
100

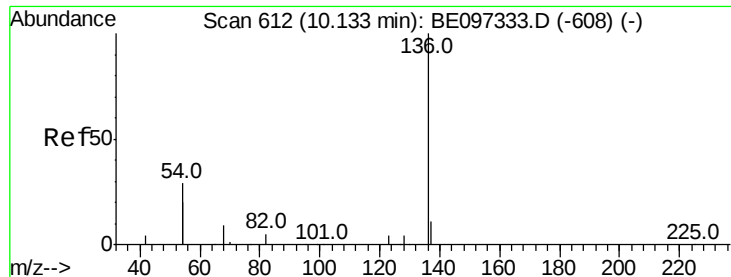
50

0

6.80 6.85

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. 0.01 min

Lab File: BE097343.D

Acq: 20 Aug 2018 21:58

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 5007

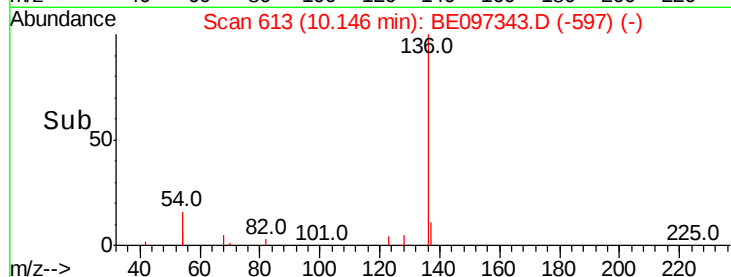
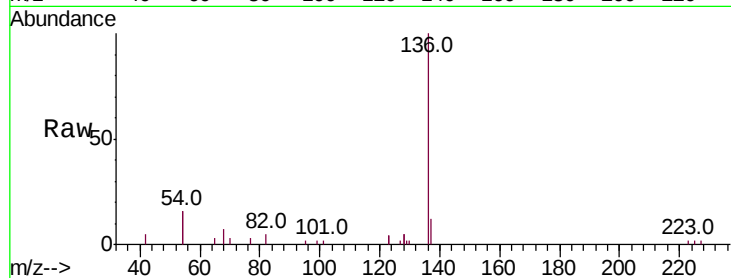
Ion Ratio Lower Upper

136 100

137 12.4 9.5 14.3

54 31.0 29.1 43.7

68 6.9 6.2 9.2

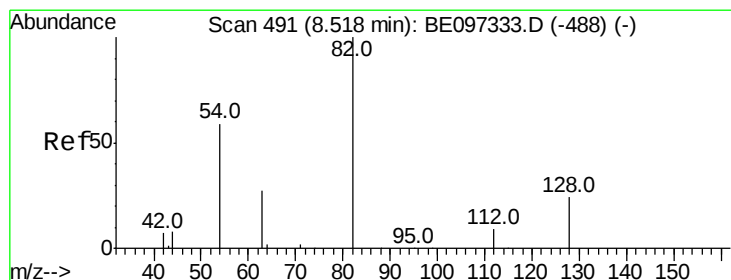
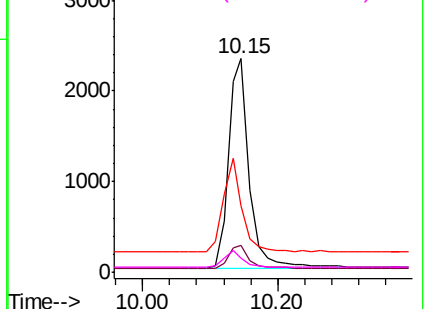


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.598 ng

RT: 8.52 min Scan# 491

Delta R.T. 0.00 min

Lab File: BE097343.D

Acq: 20 Aug 2018 21:58

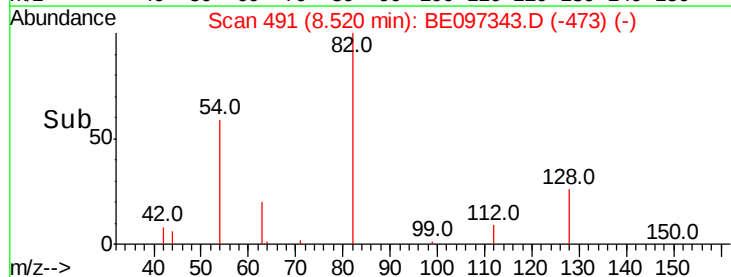
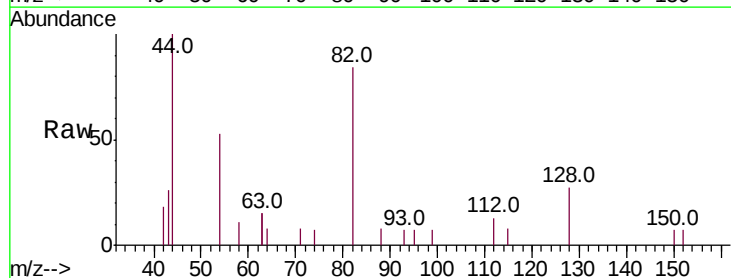
Tgt Ion: 82 Resp: 1282

Ion Ratio Lower Upper

82 100

128 32.5 24.0 36.0

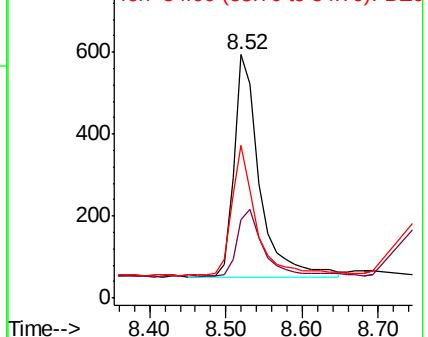
54 63.0 40.0 60.0#

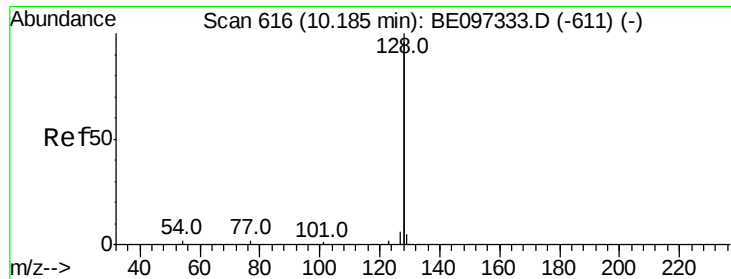


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.011 ng

RT: 10.19 min Scan# 616

Delta R.T. 0.00 min

Lab File: BE097343.D

Acq: 20 Aug 2018 21:58

Instrument :

BNA_E

ClientSampleId :

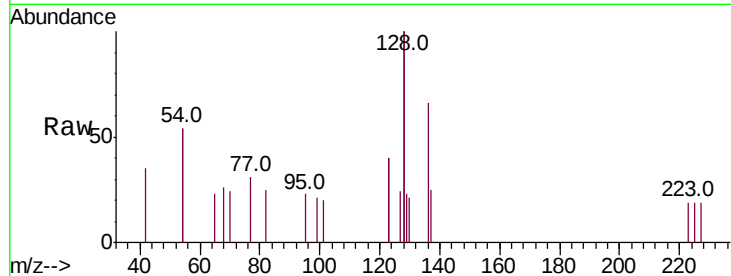
Tot Ion:128 Resp: 524

Ion Ratio Lower Upper

128 100

129 11.6 2.6 3.8#

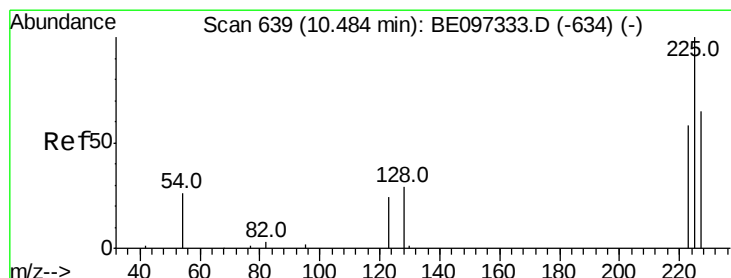
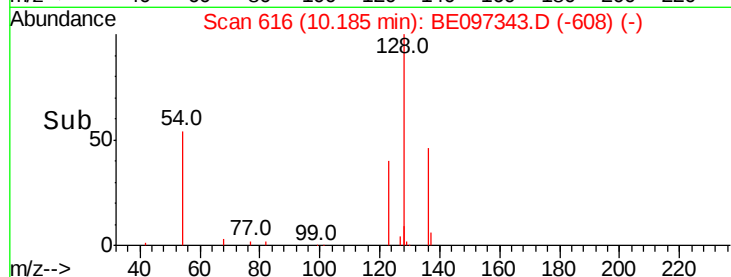
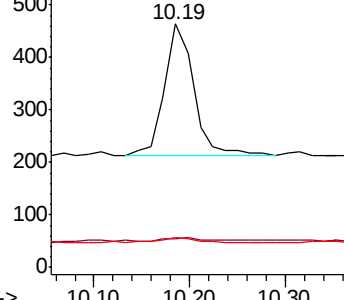
127 12.1 2.8 4.2#



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: 0.011 ng

RT: 10.47 min Scan# 638

Delta R.T. -0.01 min

Lab File: BE097343.D

Acq: 20 Aug 2018 21:58

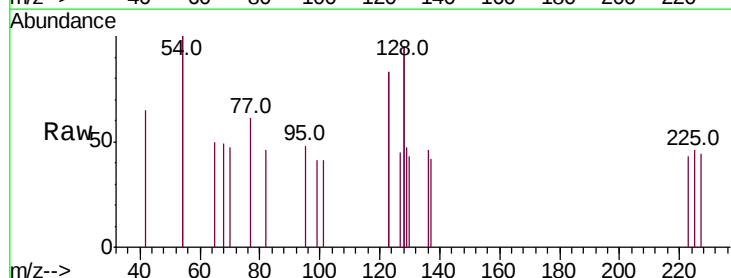
Tgt Ion:225 Resp: 22

Ion Ratio Lower Upper

225 100

223 31.8 53.0 79.6#

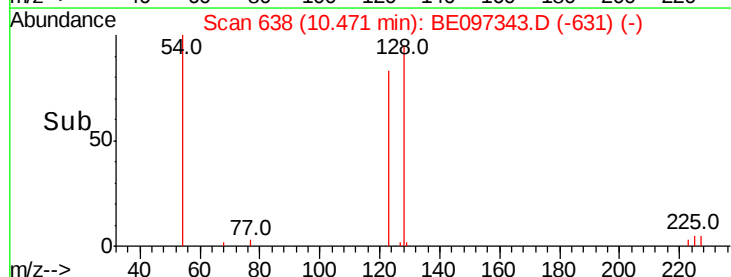
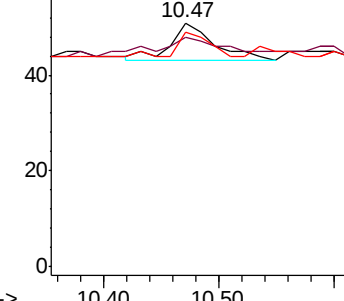
227 40.9 51.4 77.2#

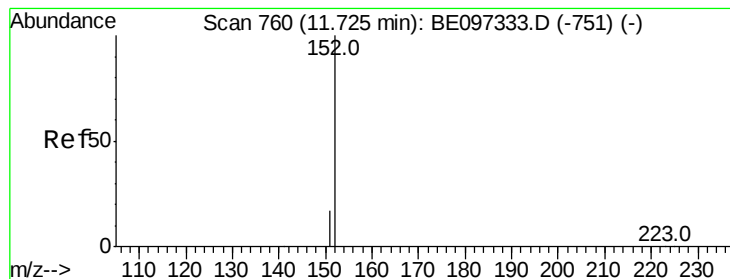


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.451 ng

RT: 11.73 min Scan# 760

Delta R.T. 0.00 min

Lab File: BE097343.D

Acq: 20 Aug 2018 21:58

Instrument :

BNA_E

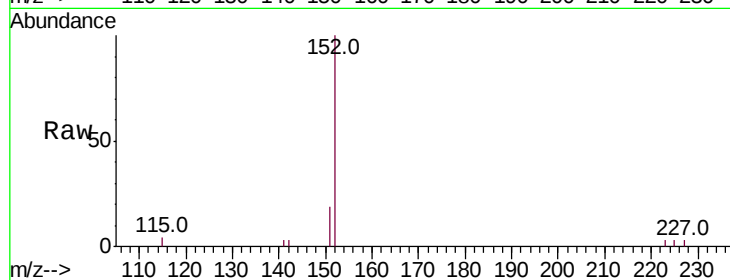
ClientSampleId :

Tot Ion:152 Resp: 3049

Ion Ratio Lower Upper

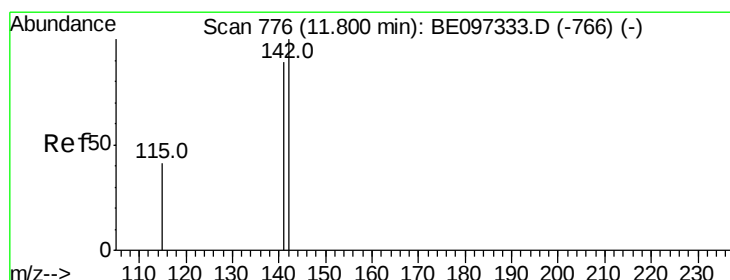
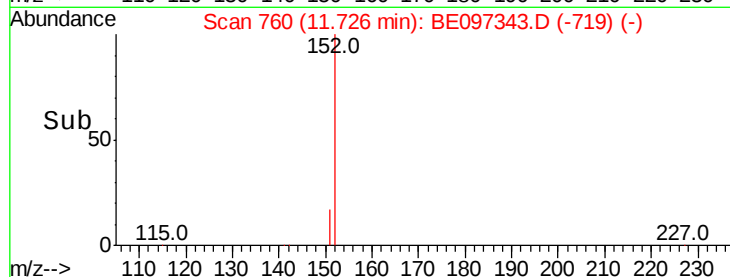
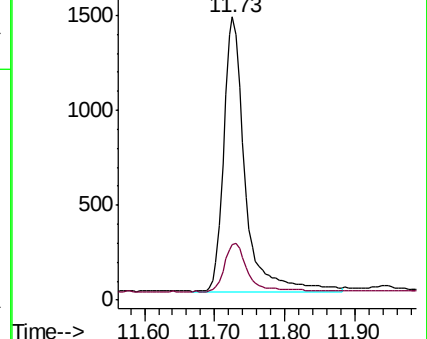
152 100

151 18.7 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.010 ng

RT: 11.80 min Scan# 775

Delta R.T. -0.00 min

Lab File: BE097343.D

Acq: 20 Aug 2018 21:58

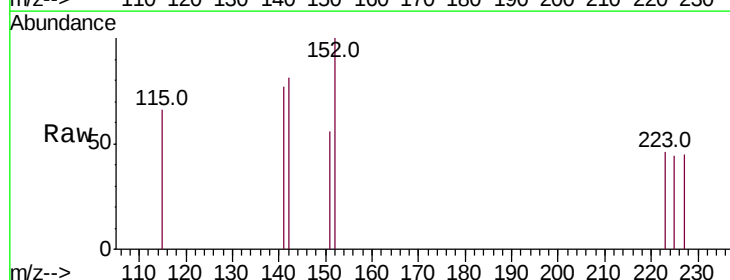
Tgt Ion:142 Resp: 71

Ion Ratio Lower Upper

142 100

141 95.1 70.4 105.6

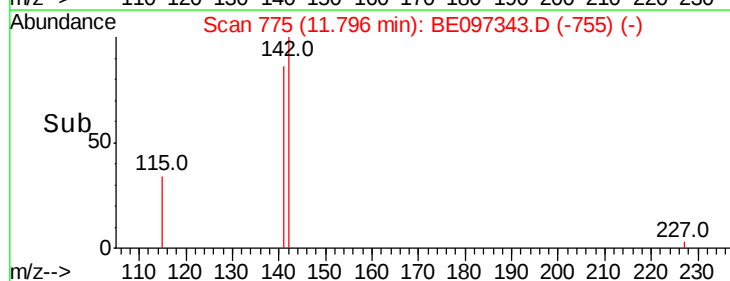
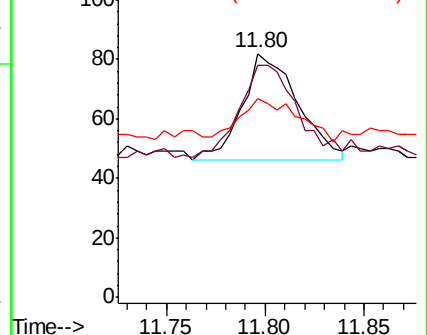
115 81.7 31.7 47.5#

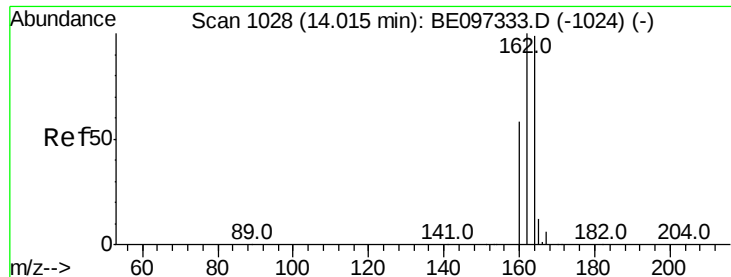


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

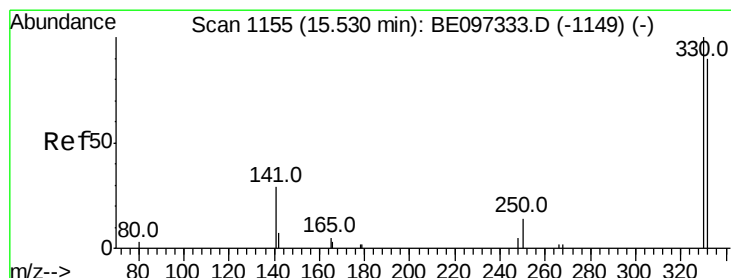
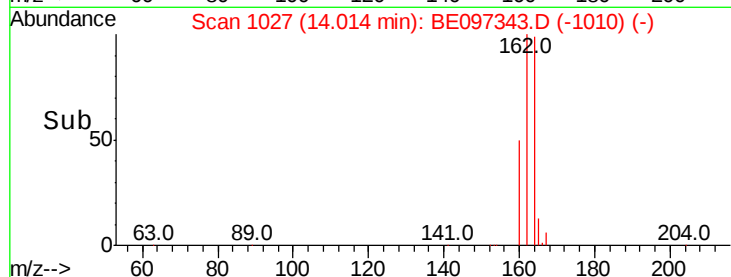
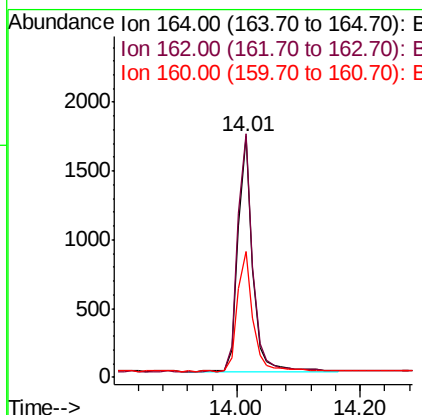
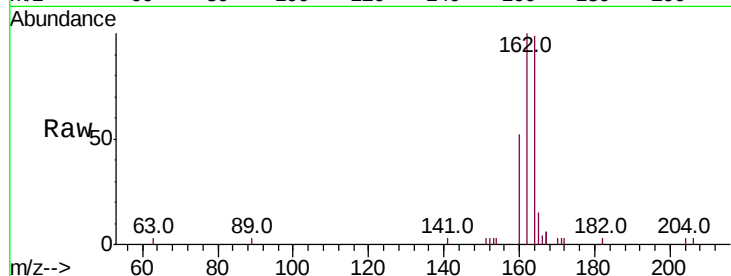




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.01 min Scan# 1027
 Delta R.T. -0.00 min
 Lab File: BE097343.D
 Acq: 20 Aug 2018 21:58

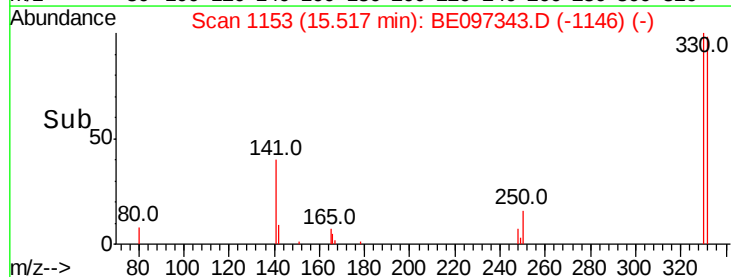
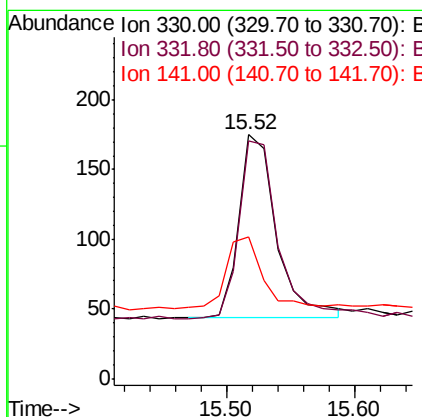
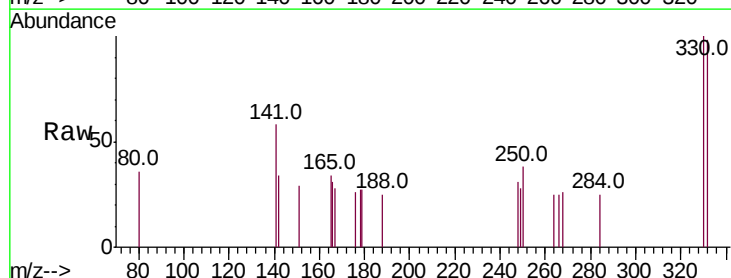
Instrument :
 BNA_E
 ClientSampleId :

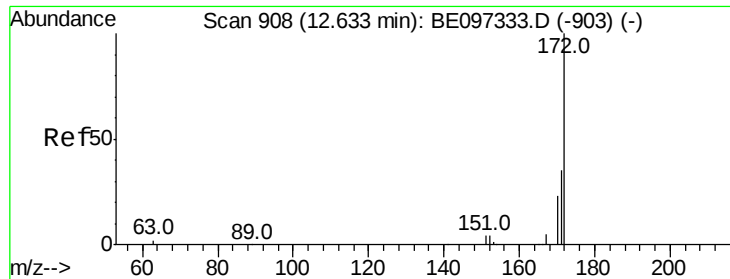
Tot Ion:164 Resp: 2828
 Ion Ratio Lower Upper
 164 100
 162 101.2 83.1 124.7
 160 52.2 37.1 55.7



#14
 2,4,6-Tribromophenol
 Concen: 0.500 ng
 RT: 15.52 min Scan# 1153
 Delta R.T. -0.01 min
 Lab File: BE097343.D
 Acq: 20 Aug 2018 21:58

Tgt Ion:330 Resp: 266
 Ion Ratio Lower Upper
 330 100
 332 101.5 152.7 229.1#
 141 39.1 33.7 50.5

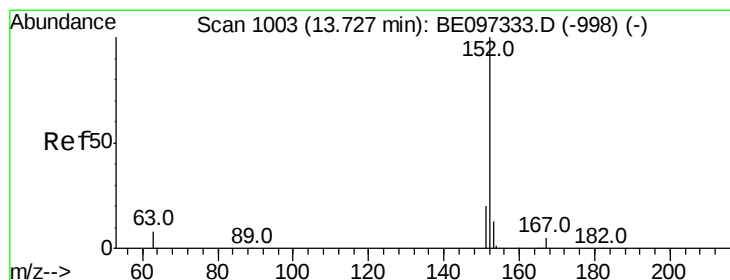
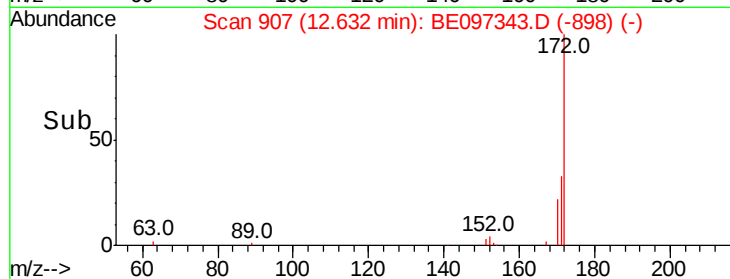
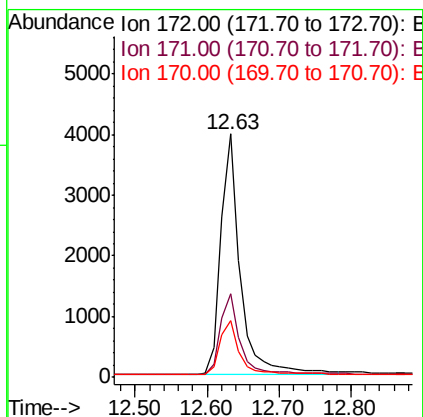
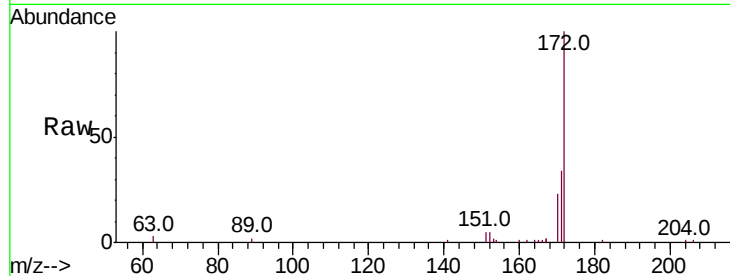




#15
2-Fluorobiphenyl
Concen: 0.649 ng
RT: 12.63 min Scan# 907
Delta R.T. -0.00 min
Lab File: BE097343.D
Acq: 20 Aug 2018 21:58

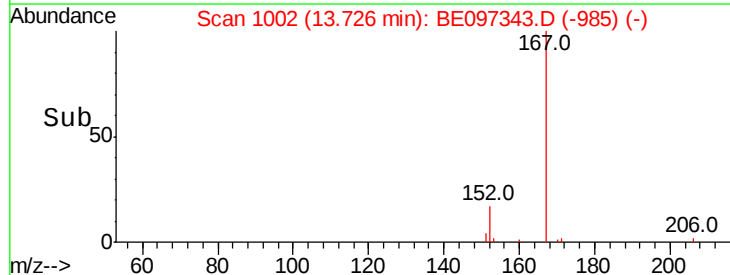
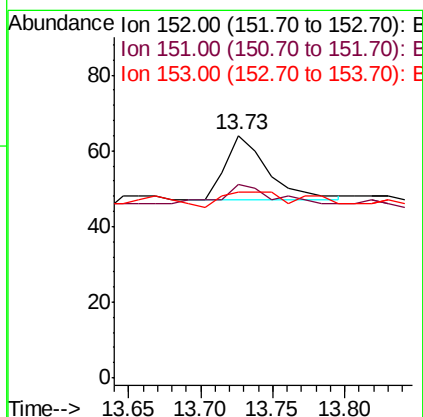
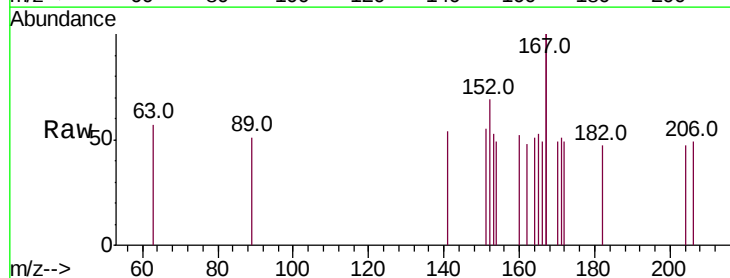
Instrument :
BNA_E
ClientSampleId :

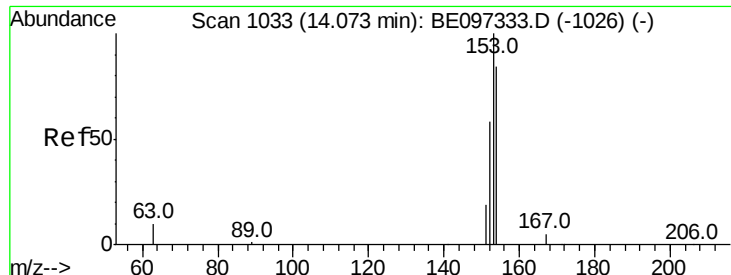
Tot Ion:172 Resp: 7522
Ion Ratio Lower Upper
172 100
171 34.1 29.9 44.9
170 23.2 21.8 32.8



#16
Acenaphthylene
Concen: 0.003 ng
RT: 13.73 min Scan# 1002
Delta R.T. -0.00 min
Lab File: BE097343.D
Acq: 20 Aug 2018 21:58

Tgt Ion:152 Resp: 35
Ion Ratio Lower Upper
152 100
151 42.9 15.7 23.5#
153 31.4 10.5 15.7#





#17

Acenaphthene

Concen: 0.004 ng

RT: 14.07 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BE097343.D

Acq: 20 Aug 2018 21:58

Instrument :

BNA_E

ClientSampled :

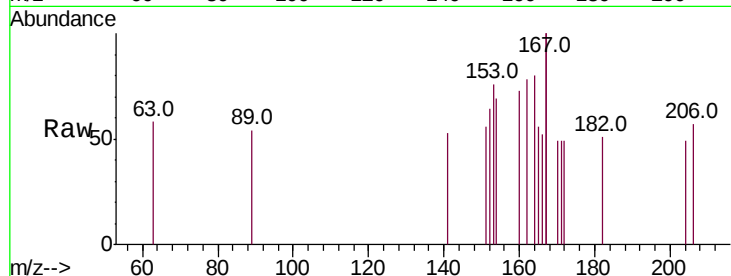
Tot Ion:154 Resp: 30

Ion Ratio Lower Upper

154 100

153 123.3 89.2 133.8

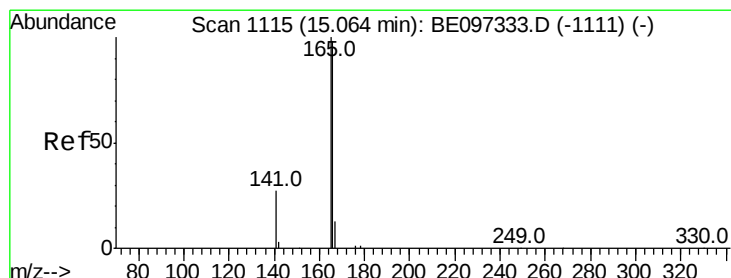
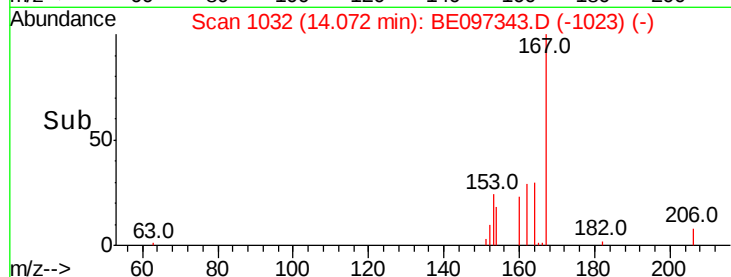
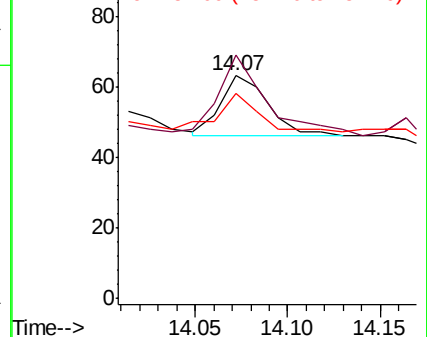
152 60.0 42.0 63.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.009 ng

RT: 15.07 min Scan# 1115

Delta R.T. 0.01 min

Lab File: BE097343.D

Acq: 20 Aug 2018 21:58

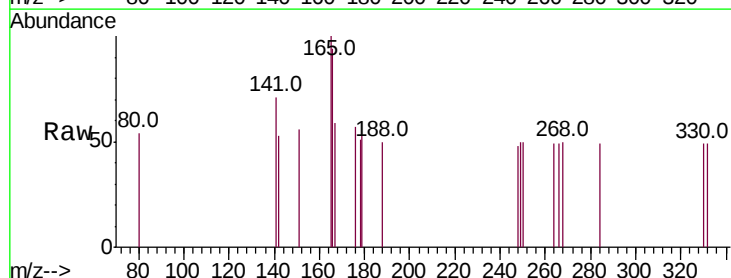
Tgt Ion:166 Resp: 80

Ion Ratio Lower Upper

166 100

165 86.3 77.8 116.6

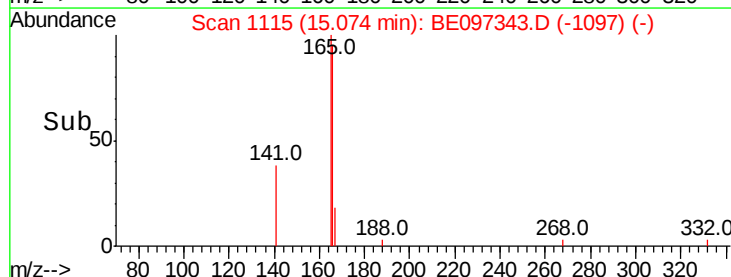
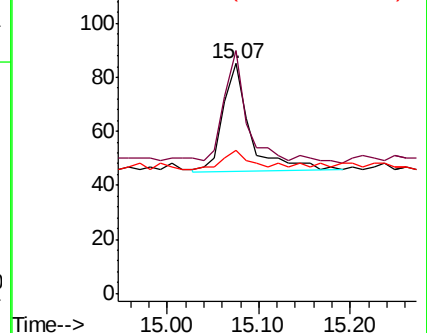
167 16.3 42.4 63.6#

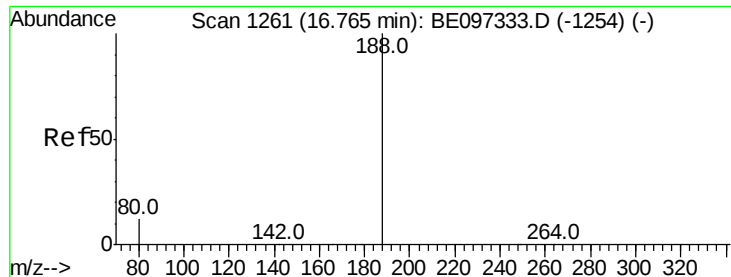


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.76 min Scan# 1260

Delta R.T. -0.00 min

Lab File: BE097343.D

Acq: 20 Aug 2018 21:58

Instrument :

BNA_E

ClientSampleId :

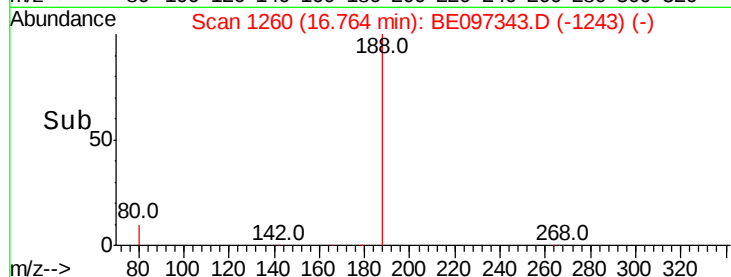
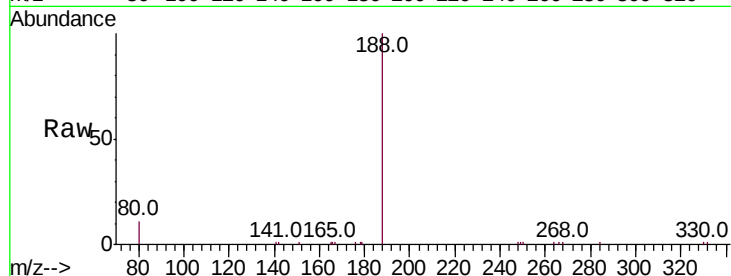
Tot Ion:188 Resp: 7073

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

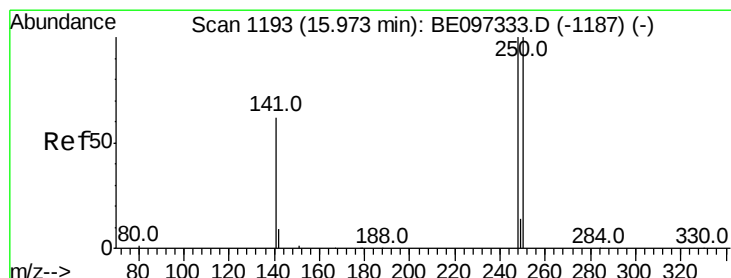
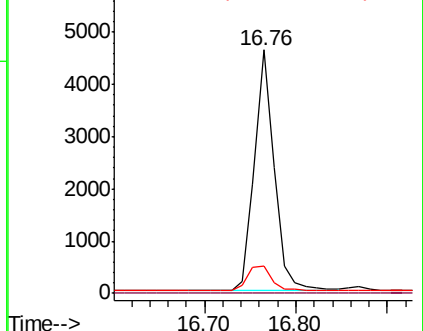
80 11.3 3.6 5.4#



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: 0.011 ng

RT: 15.97 min Scan# 1192

Delta R.T. -0.00 min

Lab File: BE097343.D

Acq: 20 Aug 2018 21:58

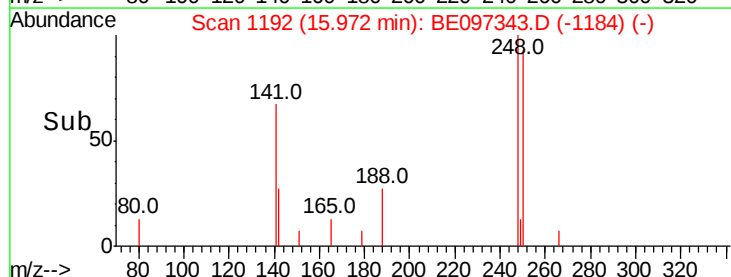
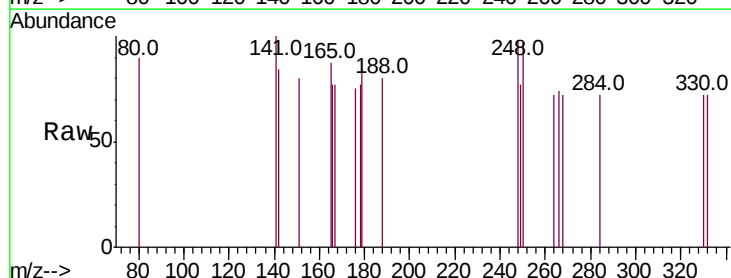
Tgt Ion:248 Resp: 35

Ion Ratio Lower Upper

248 100

250 98.3 62.7 94.1#

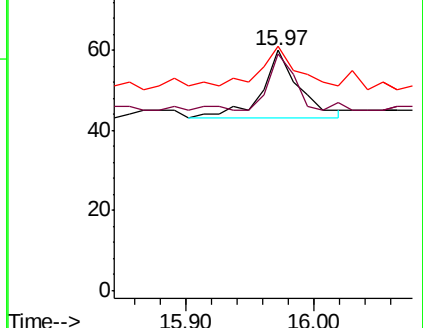
141 101.7 48.2 72.2#

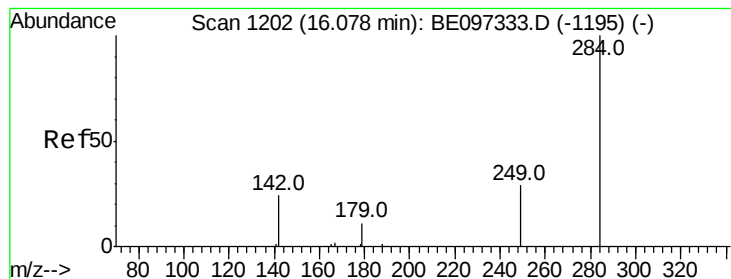


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.008 ng

RT: 16.08 min Scan# 1201

Delta R.T. -0.00 min

Lab File: BE097343.D

Acq: 20 Aug 2018 21:58

Instrument :

BNA_E

ClientSampleId :

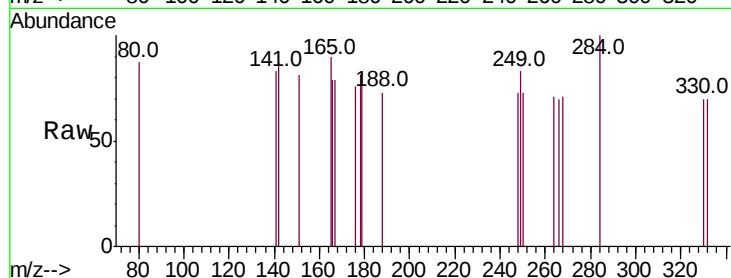
Tot Ion:284 Resp: 33

Ion Ratio Lower Upper

284 100

142 51.5 22.1 33.1#

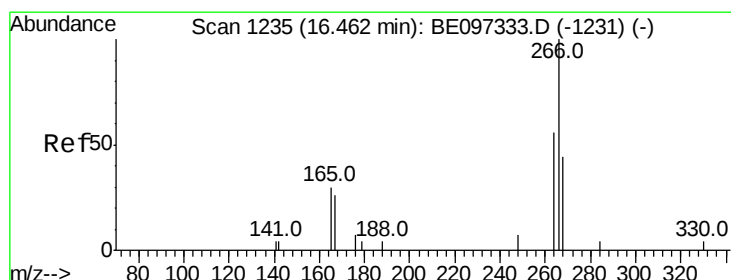
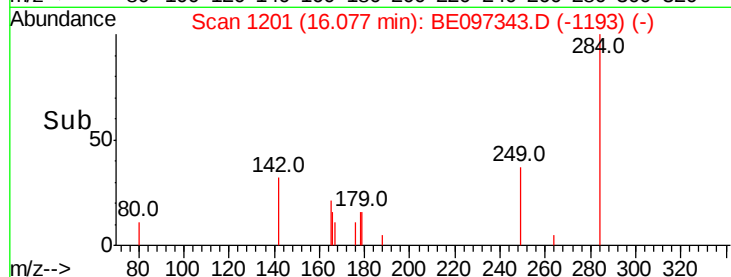
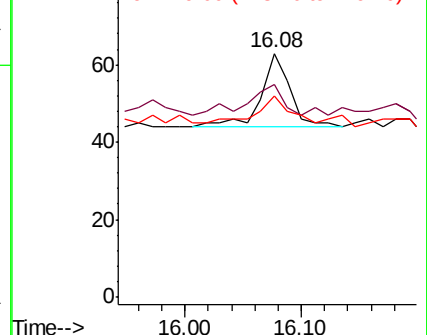
249 39.4 34.8 52.2



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.025 ng

RT: 16.44 min Scan# 1232

Delta R.T. -0.02 min

Lab File: BE097343.D

Acq: 20 Aug 2018 21:58

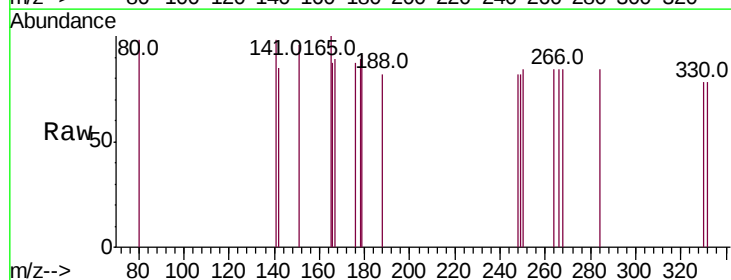
Tgt Ion:266 Resp: 8

Ion Ratio Lower Upper

266 100

264 100.0 72.5 108.7

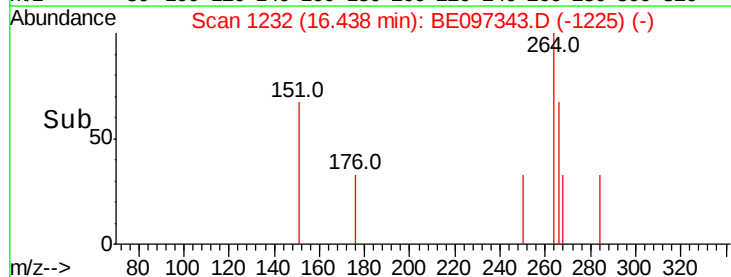
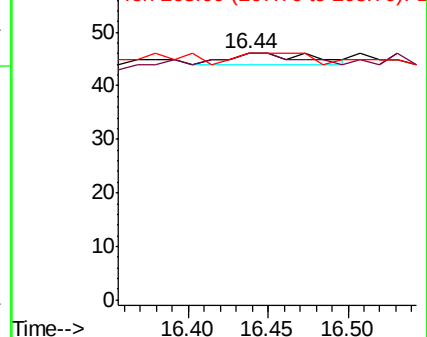
268 100.0 73.8 110.6

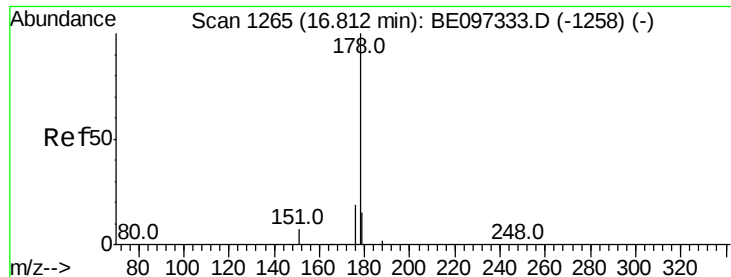


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.017 ng

RT: 16.81 min Scan# 1264

Delta R.T. -0.00 min

Lab File: BE097343.D

Acq: 20 Aug 2018 21:58

Instrument :

BNA_E

ClientSampled :

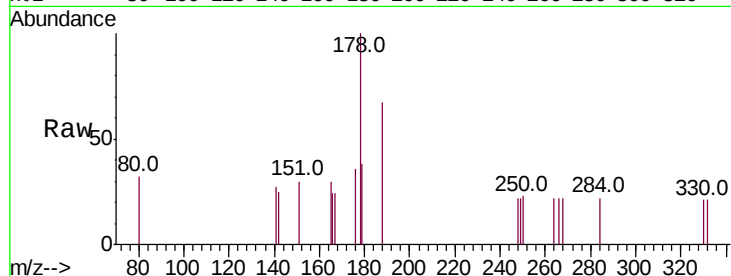
Tot Ion:178 Resp: 288

Ion Ratio Lower Upper

178 100

176 19.1 15.1 22.7

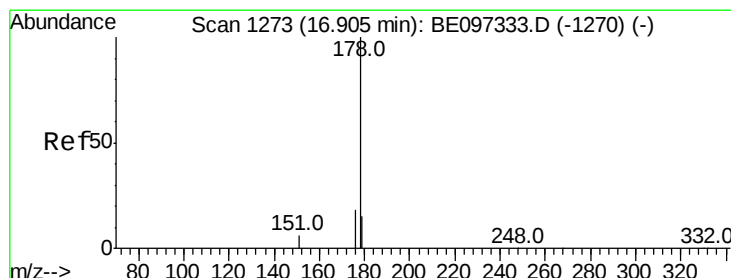
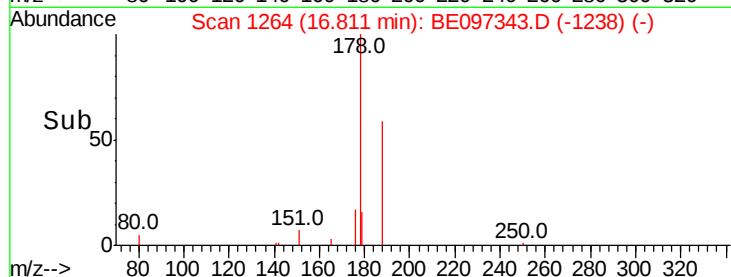
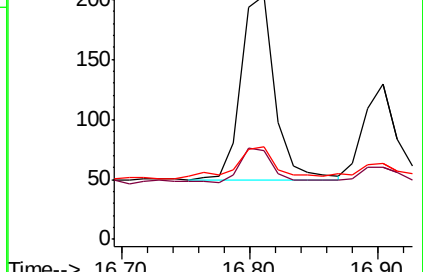
179 19.8 11.8 17.6#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.010 ng

RT: 16.90 min Scan# 1272

Delta R.T. -0.00 min

Lab File: BE097343.D

Acq: 20 Aug 2018 21:58

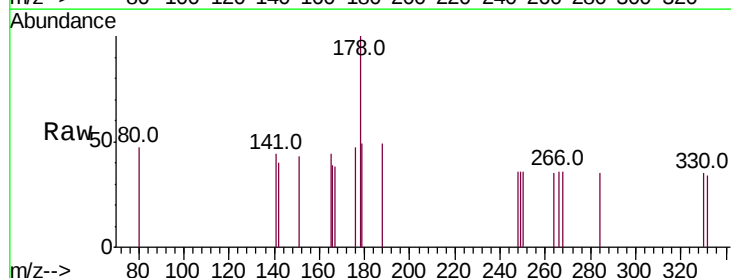
Tgt Ion:178 Resp: 129

Ion Ratio Lower Upper

178 100

176 19.4 12.8 19.2#

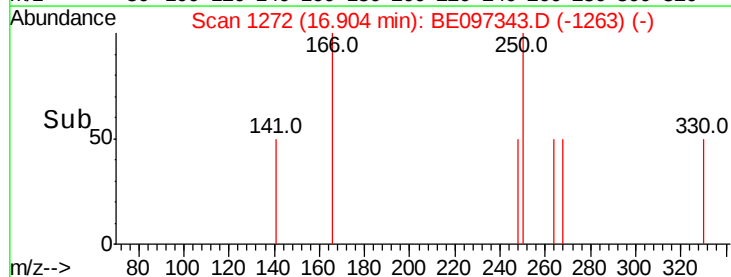
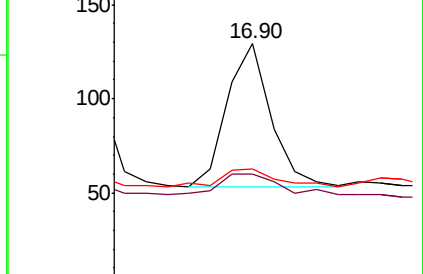
179 16.3 13.0 19.6

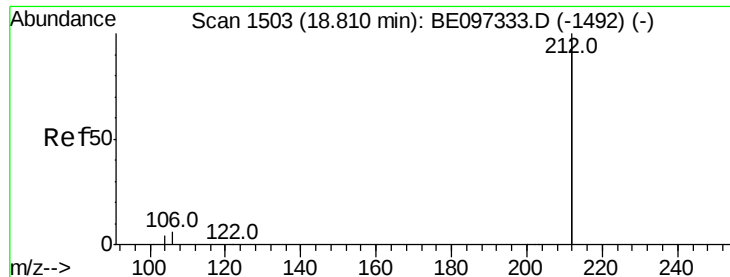


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.511 ng

RT: 18.80 min Scan# 1501

Delta R.T. -0.01 min

Lab File: BE097343.D

Acq: 20 Aug 2018 21:58

Instrument :

BNA_E

ClientSampleId :

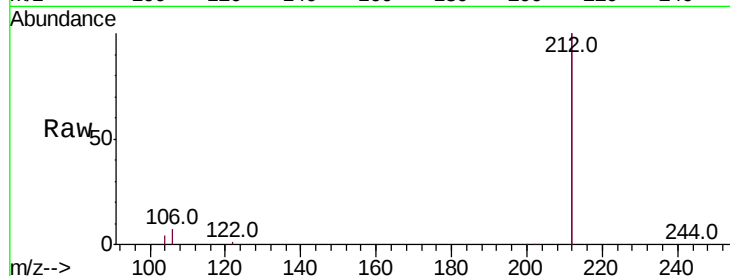
Tot Ion:212 Resp: 32261

Ion Ratio Lower Upper

212 100

106 3.3 2.8 4.2

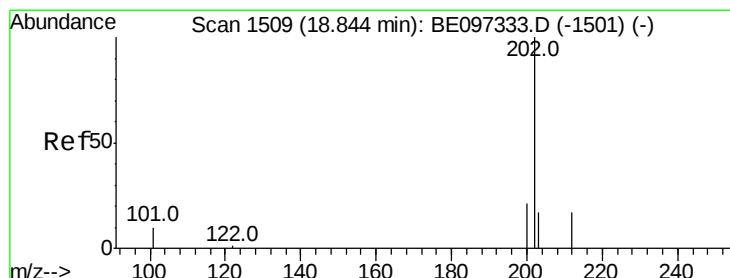
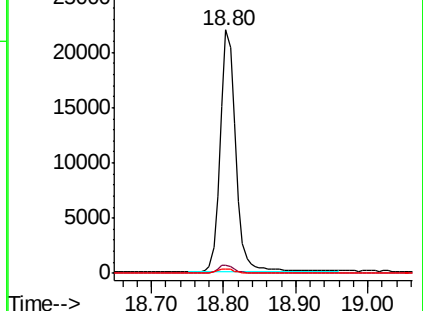
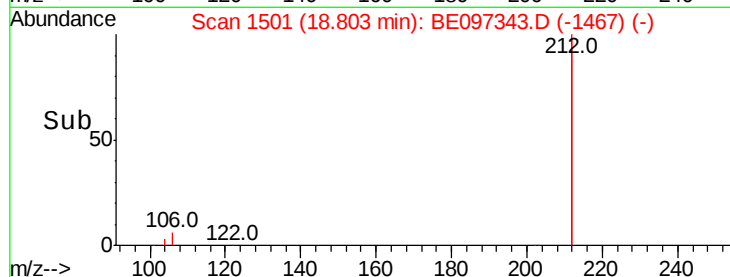
104 1.7 1.6 2.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.015 ng

RT: 18.84 min Scan# 1507

Delta R.T. -0.01 min

Lab File: BE097343.D

Acq: 20 Aug 2018 21:58

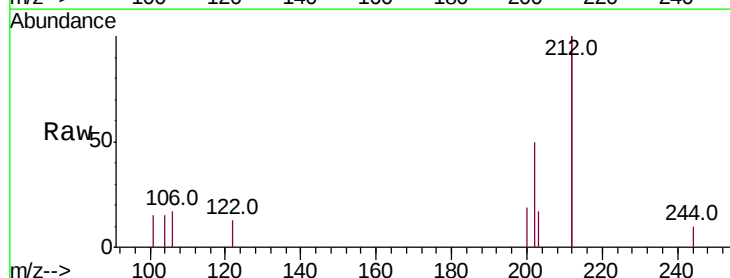
Tgt Ion:202 Resp: 256

Ion Ratio Lower Upper

202 100

101 7.0 9.8 14.8#

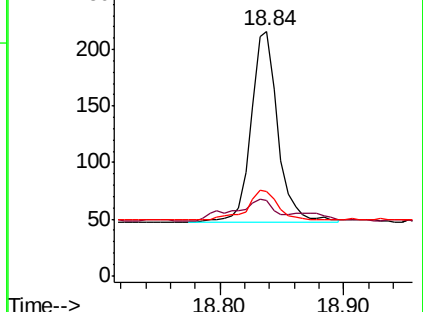
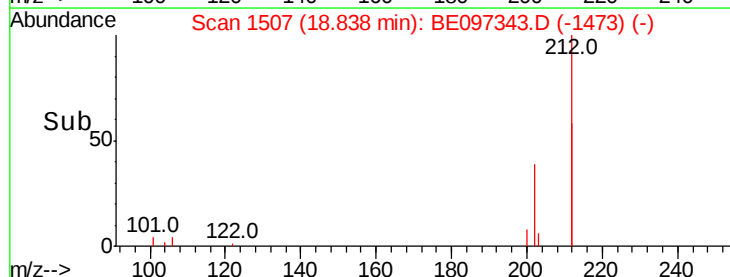
203 18.0 13.7 20.5

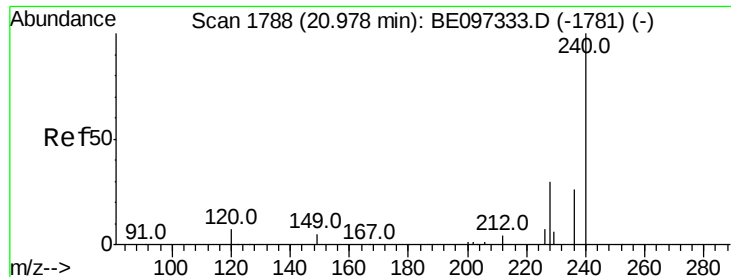


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

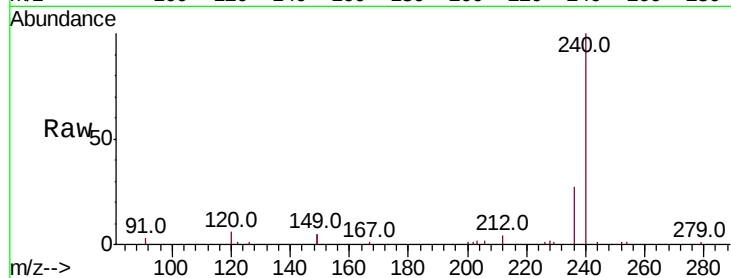




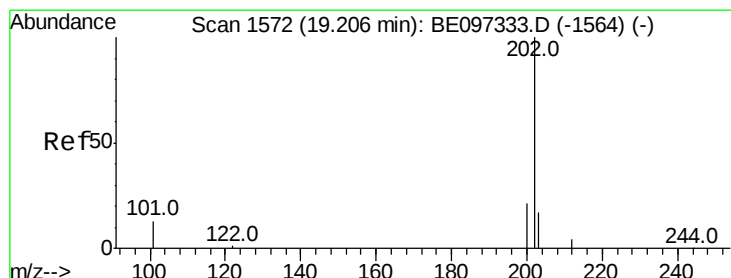
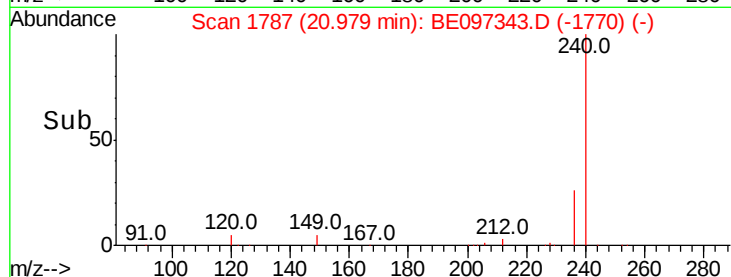
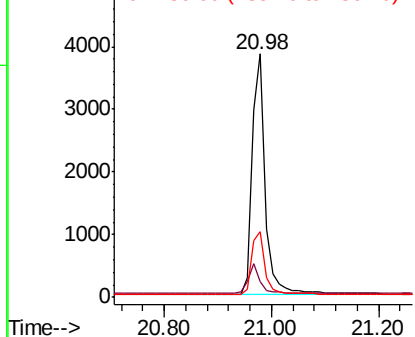
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 20.98 min Scan# 1787
 Delta R.T. 0.00 min
 Lab File: BE097343.D
 Acq: 20 Aug 2018 21:58

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:240 Resp: 6526
 Ion Ratio Lower Upper
 240 100
 120 6.4 5.5 8.3
 236 26.8 20.7 31.1

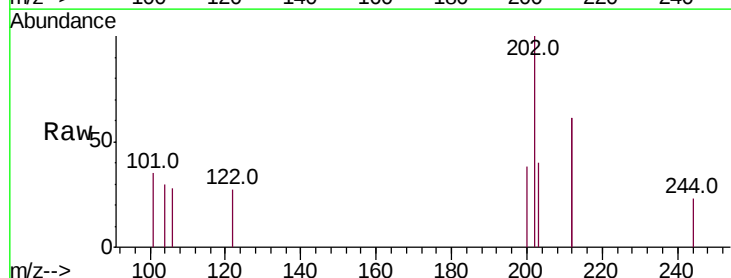


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

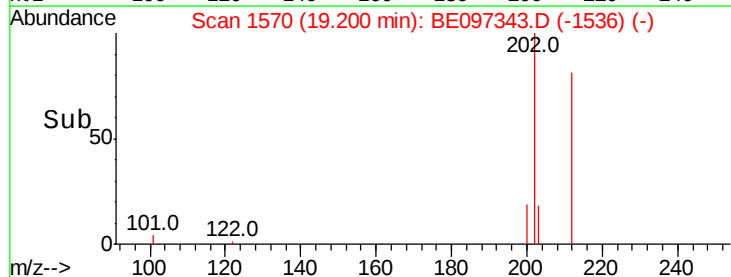
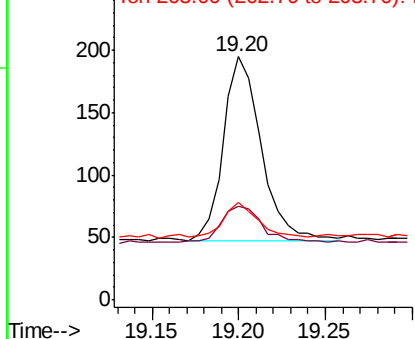


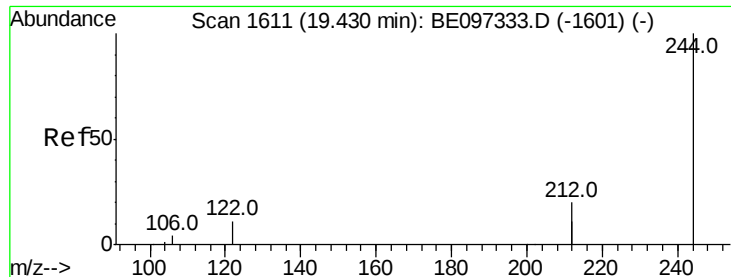
#28
 Pyrene
 Concen: 0.013 ng
 RT: 19.20 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BE097343.D
 Acq: 20 Aug 2018 21:58

Tgt Ion:202 Resp: 228
 Ion Ratio Lower Upper
 202 100
 200 22.4 16.6 25.0
 203 18.0 13.8 20.8



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: 0.620 ng

RT: 19.42 min Scan# 1609

Delta R.T. -0.01 min

Lab File: BE097343.D

Acq: 20 Aug 2018 21:58

Instrument :

BNA_E

ClientSampleId :

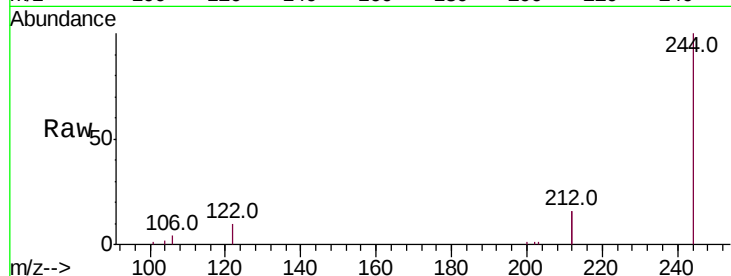
Tot Ion:244 Resp: 8098

Ion Ratio Lower Upper

244 100

212 31.6 25.4 38.0

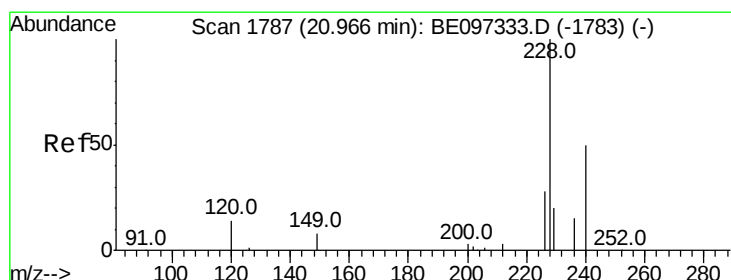
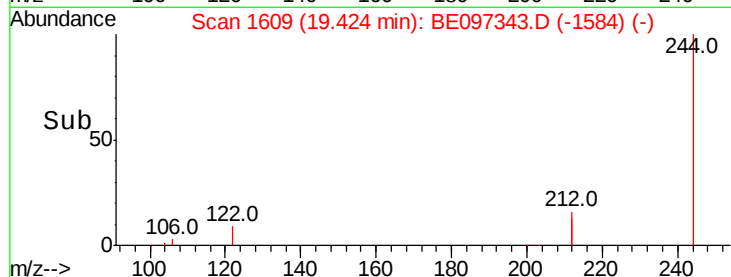
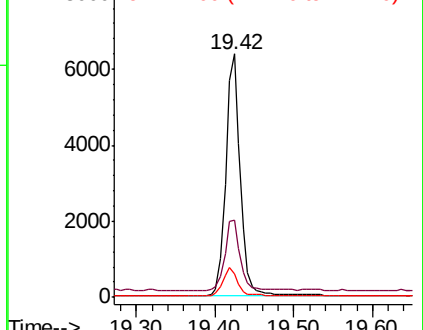
122 9.9 8.1 12.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.015 ng

RT: 20.95 min Scan# 1785

Delta R.T. -0.01 min

Lab File: BE097343.D

Acq: 20 Aug 2018 21:58

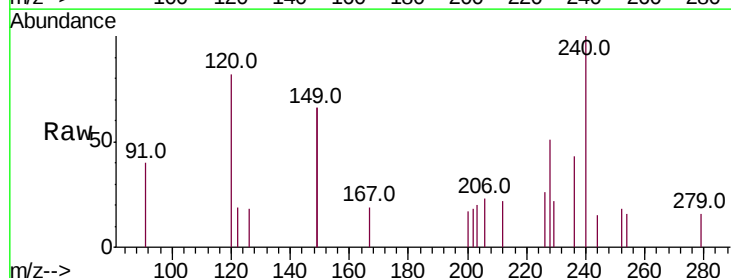
Tgt Ion:228 Resp: 215

Ion Ratio Lower Upper

228 100

226 51.0 24.0 36.0#

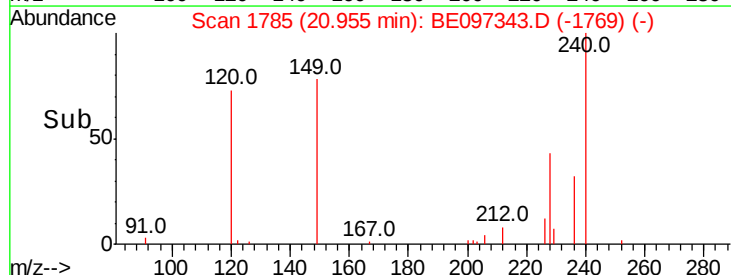
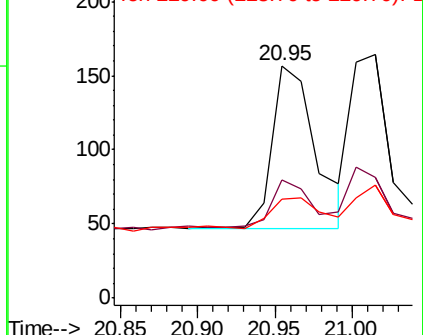
229 42.7 16.0 24.0#

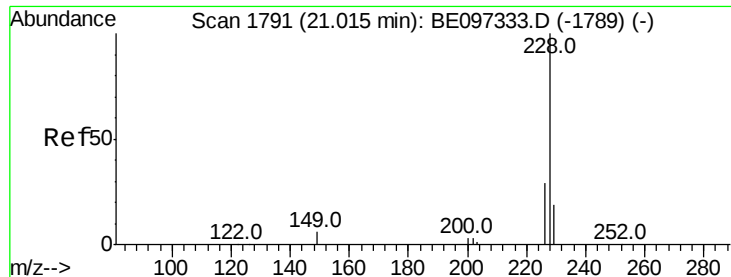


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.011 ng

RT: 21.02 min Scan# 1790

Delta R.T. 0.00 min

Lab File: BE097343.D

Acq: 20 Aug 2018 21:58

Instrument :

BNA_E

ClientSampled :

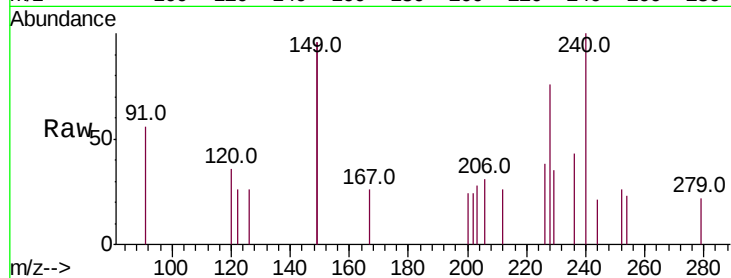
Tot Ion:228 Resp: 198

Ion Ratio Lower Upper

228 100

226 49.4 24.0 36.0#

229 46.3 16.0 24.0#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

21.02

150

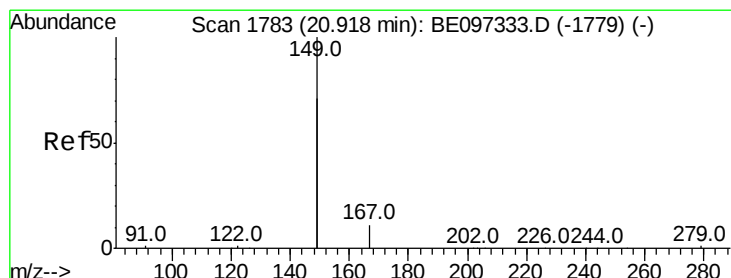
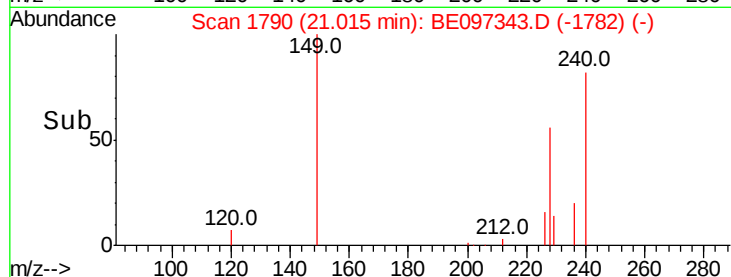
100

50

0

21.00 21.10

Time-->



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.205 ng

RT: 20.92 min Scan# 1782

Delta R.T. 0.00 min

Lab File: BE097343.D

Acq: 20 Aug 2018 21:58

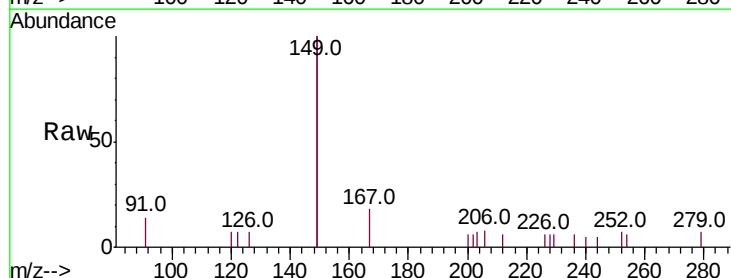
Tgt Ion:149 Resp: 1754

Ion Ratio Lower Upper

149 100

167 7.4 5.4 8.0

279 1.4 0.7 1.1#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

20.92

2000

1500

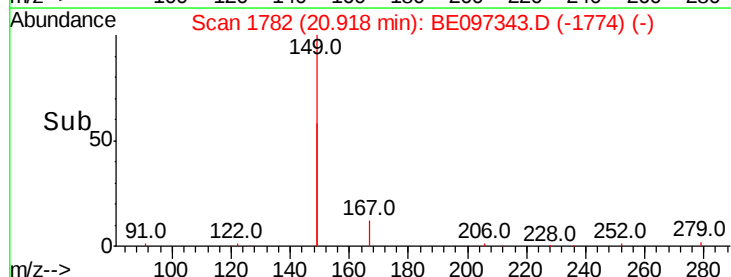
1000

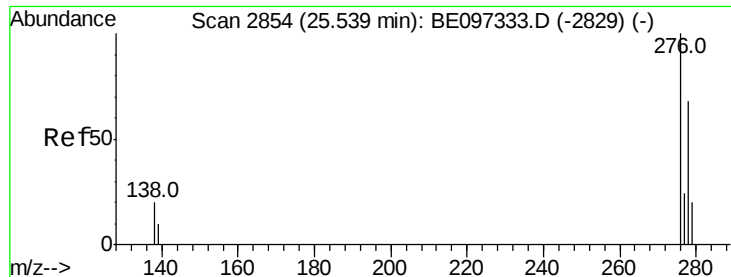
500

0

20.85 20.90 20.95 21.00

Time-->





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.008 ng

RT: 25.53 min Scan# 2852

Delta R.T. -0.00 min

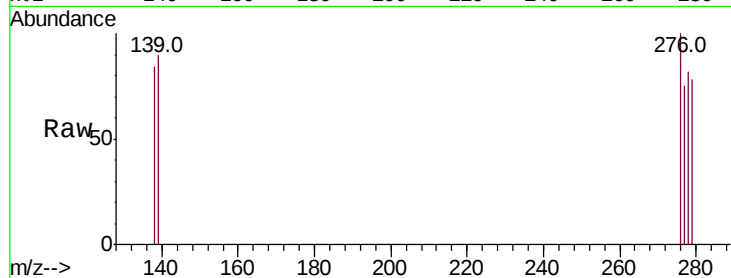
Lab File: BE097343.D

Acq: 20 Aug 2018 21:58

Instrument :

BNA_E

ClientSampleId :



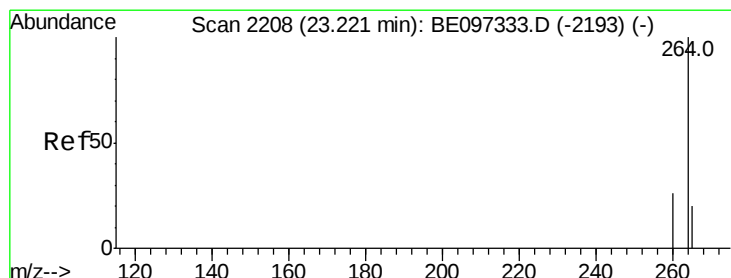
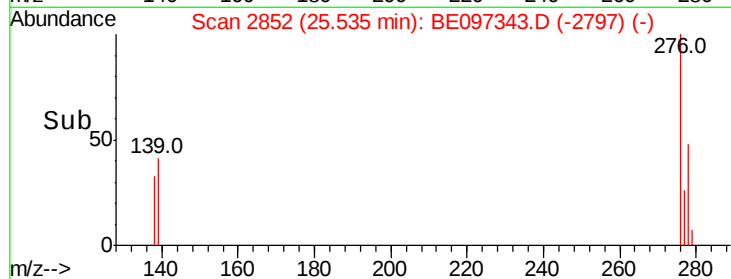
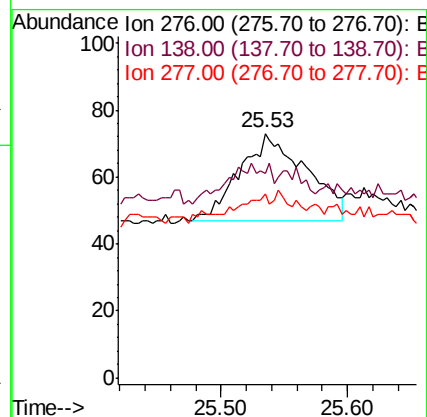
Tot Ion:276 Resp: 95

Ion Ratio Lower Upper

276 100

138 0.0 22.5 33.7#

277 7.4 19.9 29.9#



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.21 min Scan# 2205

Delta R.T. -0.01 min

Lab File: BE097343.D

Acq: 20 Aug 2018 21:58

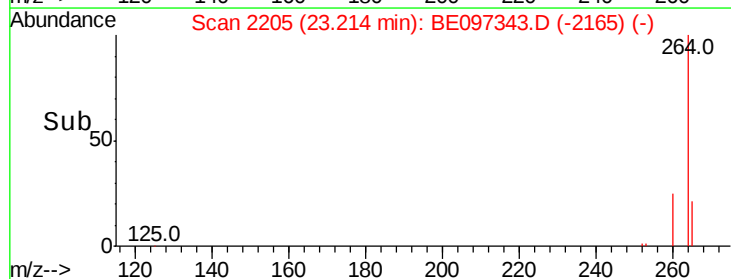
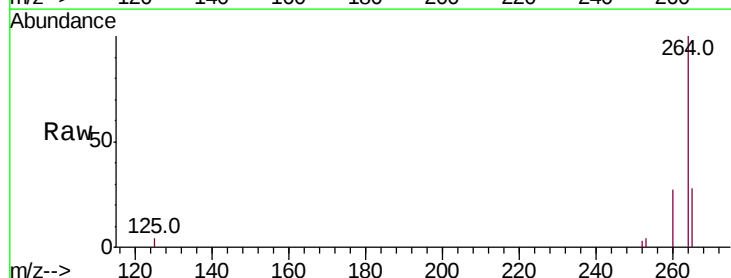
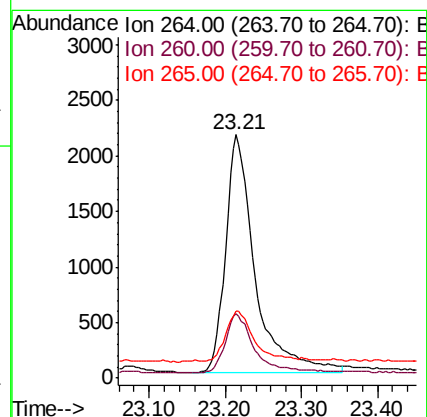
Tgt Ion:264 Resp: 5749

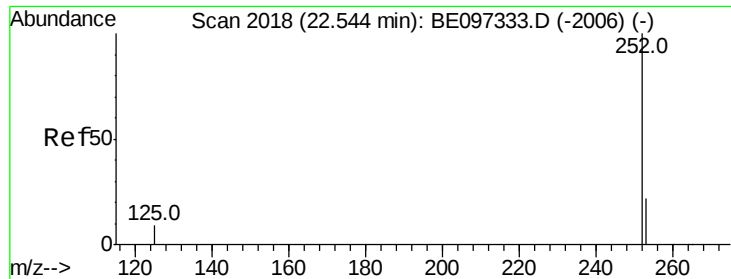
Ion Ratio Lower Upper

264 100

260 26.6 20.5 30.7

265 27.6 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.011 ng

RT: 22.54 min Scan# 2017

Delta R.T. 0.00 min

Lab File: BE097343.D

Acq: 20 Aug 2018 21:58

Instrument :

BNA_E

ClientSampled :

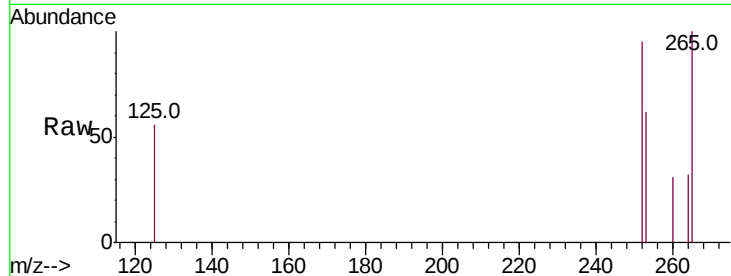
Tot Ion:252 Resp: 164

Ion Ratio Lower Upper

252 100

253 66.0 20.0 30.0#

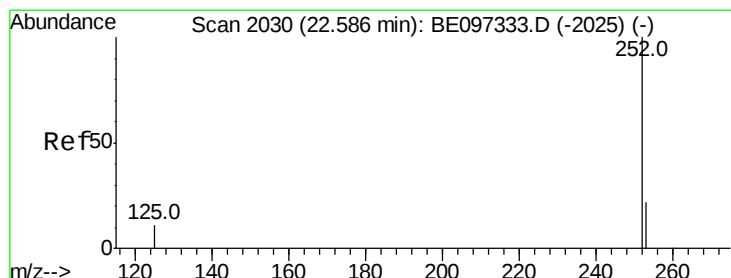
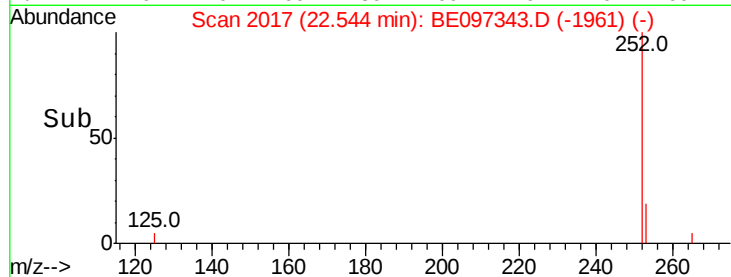
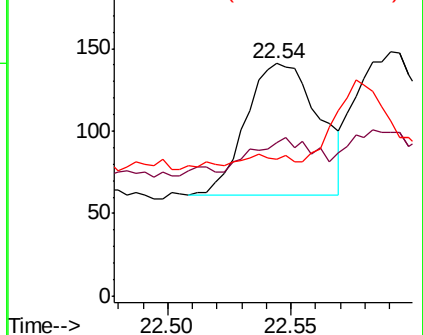
125 58.9 16.0 24.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.008 ng

RT: 22.59 min Scan# 2030

Delta R.T. 0.00 min

Lab File: BE097343.D

Acq: 20 Aug 2018 21:58

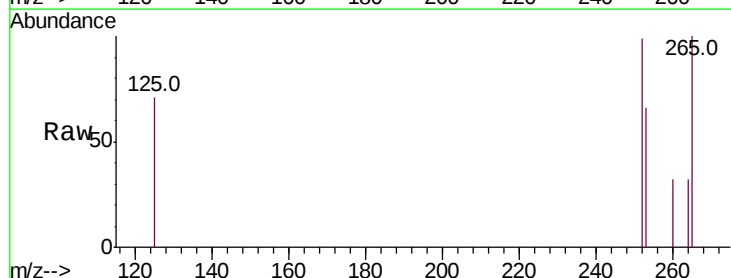
Tgt Ion:252 Resp: 175

Ion Ratio Lower Upper

252 100

253 66.9 16.0 24.0#

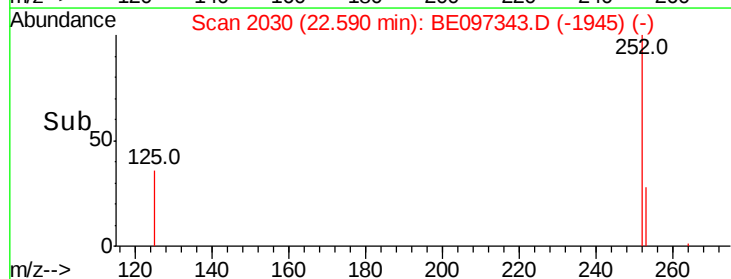
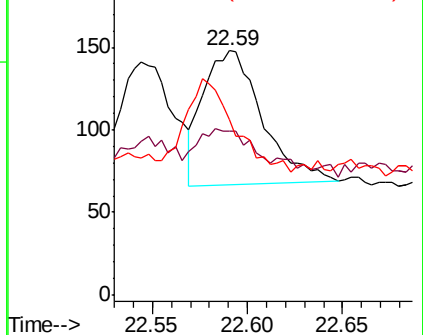
125 71.6 8.0 12.0#

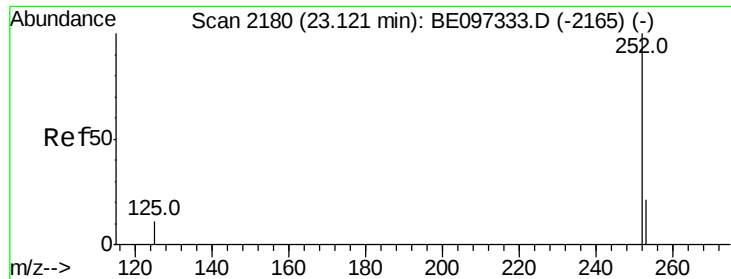


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.012 ng

RT: 23.12 min Scan# 2178

Delta R.T. -0.00 min

Lab File: BE097343.D

Acq: 20 Aug 2018 21:58

Instrument :

BNA_E

ClientSampled :

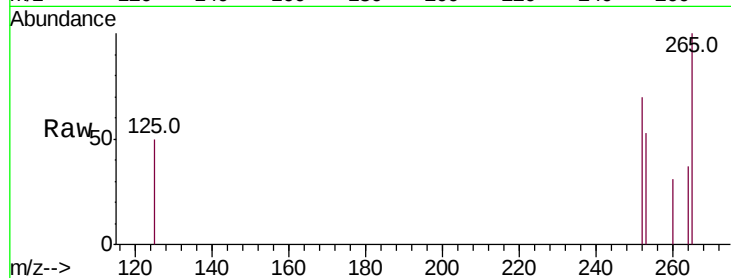
Tot Ion:252 Resp: 161

Ion Ratio Lower Upper

252 100

253 75.9 16.0 24.0#

125 71.4 12.0 18.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

200

150

100

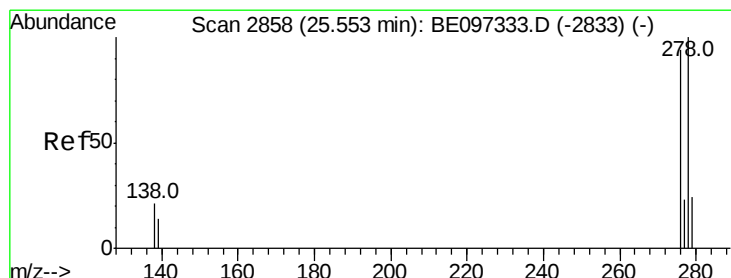
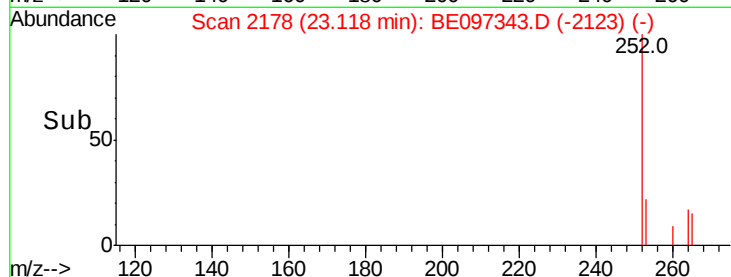
50

0

23.10

23.20

Time-->



#38

Dibenzo(a,h)anthracene

Concen: 0.001 ng

RT: 25.53 min Scan# 2851

Delta R.T. -0.02 min

Lab File: BE097343.D

Acq: 20 Aug 2018 21:58

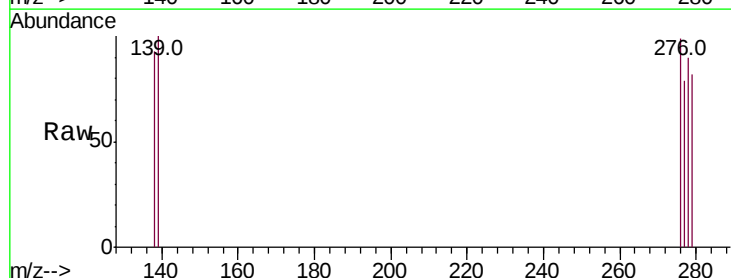
Tgt Ion:278 Resp: 17

Ion Ratio Lower Upper

278 100

139 111.7 16.0 24.0#

279 91.7 20.0 30.0#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

80

60

40

20

0

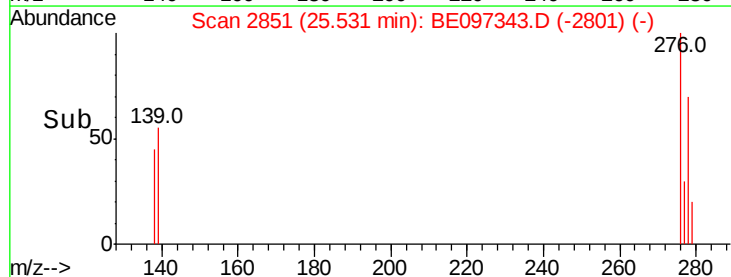
25.48

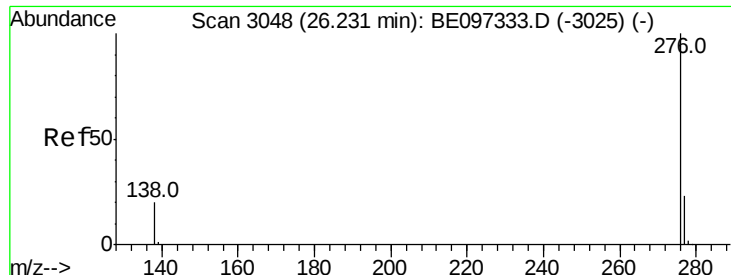
25.50

25.52

25.54

Time-->





#39

Benzo(a,h,i)perylene

Concen: 0.008 ng

RT: 26.23 min Scan# 3046

Delta R.T. -0.00 min

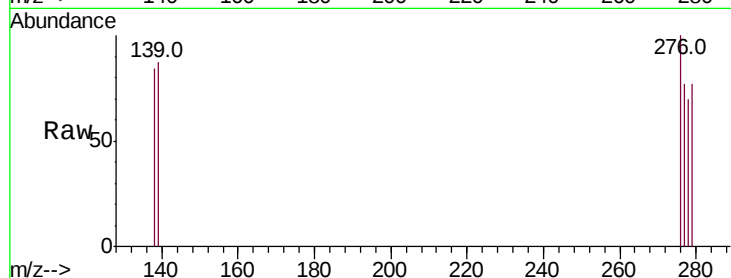
Lab File: BE097343.D

Acq: 20 Aug 2018 21:58

Instrument :

BNA_E

ClientSampleId :



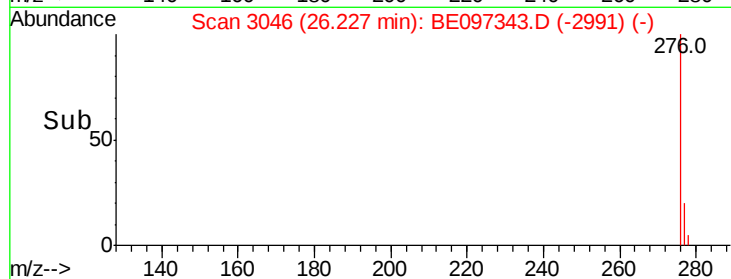
Tot Ion:276 Resp: 97

Ion Ratio Lower Upper

276 100

277 76.8 16.0 24.0#

138 84.1 20.0 30.0#



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

