

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091918\
 Data File : BE097555.D
 Acq On : 20 Sep 2018 00:19
 Operator : SJ/JU
 Sample : J4958-12
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 20 05:10:59 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE091918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 19 16:26:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	744	0.40	ng	0.00
7) Naphthalene-d8	10.13	136	3485	0.40	ng	0.00
13) Acenaphthene-d10	13.99	164	2334	0.40	ng	-0.01
19) Phenanthrene-d10	16.75	188	6946	0.40	ng	0.00
27) Chrysene-d12	20.97	240	9615	0.40	ng	0.00
34) Perylene-d12	23.19	264	9485	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.05	112	355	0.16	ng	0.01
5) Phenol-d6	6.62	99	182	0.06	ng	0.02
8) Nitrobenzene-d5	8.53	82	938	0.35	ng	0.01
11) 2-Methylnaphthalene-d10	11.71	152	1989	0.41	ng	-0.01
14) 2,4,6-Tribromophenol	15.51	330	568	0.59	ng	-0.02
15) 2-Fluorobiphenyl	12.61	172	3450	0.42	ng	-0.02
25) Fluoranthene-d10	18.79	212	38477	0.43	ng	-0.01
29) Terphenyl-d14	19.41	244	9223	0.52	ng	0.00

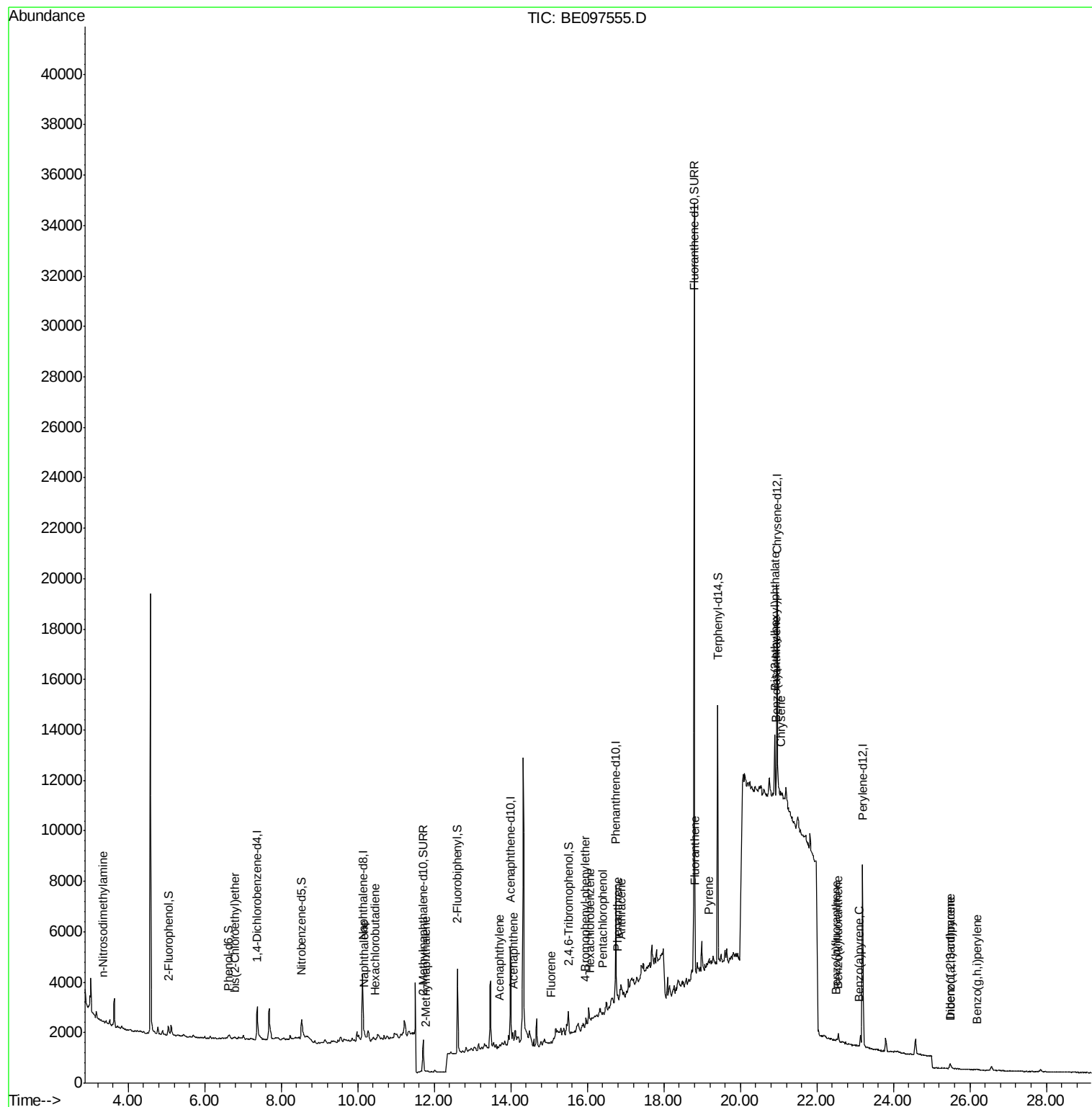
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.07	88	31	Below Cal	#	1
3) n-Nitrosodimethylamine	3.35	42	21	0.035	ng	# 1
6) bis(2-Chloroethyl)ether	6.79	93	8	0.003	ng	# 1
9) Naphthalene	10.17	128	566	0.018	ng	# 61
10) Hexachlorobutadiene	10.46	225	4	0.003	ng	# 49
12) 2-Methylnaphthalene	11.78	142	12	0.002	ng	# 36
16) Acenaphthylene	13.71	152	41	0.004	ng	# 24
17) Acenaphthene	14.06	154	106	0.017	ng	# 94
18) Fluorene	15.06	166	164	0.020	ng	# 10
20) 4-Bromophenyl-phenylether	15.94	248	5	0.002	ng	# 1
21) Hexachlorobenzene	16.07	284	11	0.003	ng	# 1
22) Pentachlorophenol	16.42	266	34	0.152	ng	97
23) Phenanthrene	16.79	178	198	0.012	ng	# 1
24) Anthracene	16.88	178	383	0.026	ng	# 58
26) Fluoranthene	18.82	202	285	0.012	ng	# 64
28) Pyrene	19.19	202	185	0.008	ng	# 40
30) Benzo(a)anthracene	20.94	228	147	0.006	ng	# 1
31) Chrysene	21.05	228	62	0.002	ng	# 1
32) Bis(2-ethylhexyl)phthalate	20.91	149	3539	0.097	ng	# 98
33) Indeno(1,2,3-cd)pyrene	25.50	276	30	0.001	ng	# 58
35) Benzo(b)fluoranthene	22.51	252	21	0.001	ng	# 1
36) Benzo(k)fluoranthene	22.56	252	67	0.002	ng	# 1
37) Benzo(a)pyrene	23.10	252	46	0.022	ng	# 1
38) Dibenzo(a,h)anthracene	25.51	278	1	0.000	ng	# 1
39) Benzo(g,h,i)perylene	26.19	276	30	0.001	ng	# 1

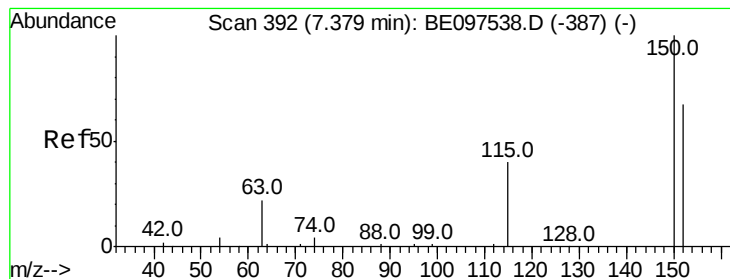
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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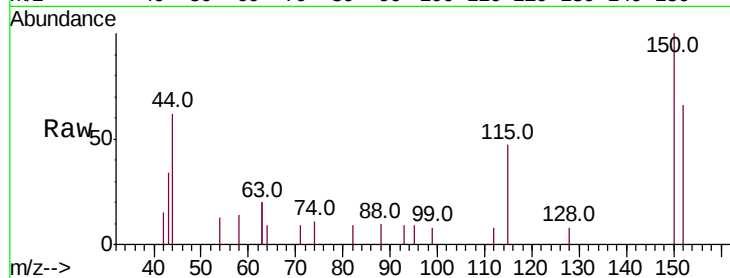


#1

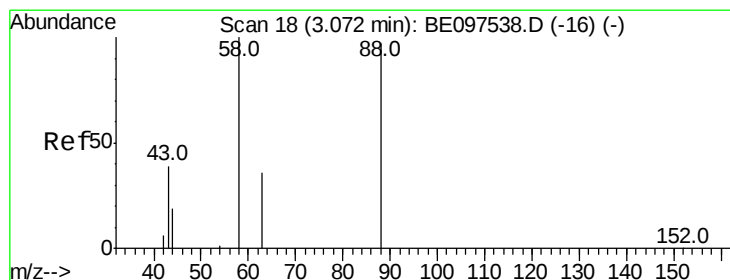
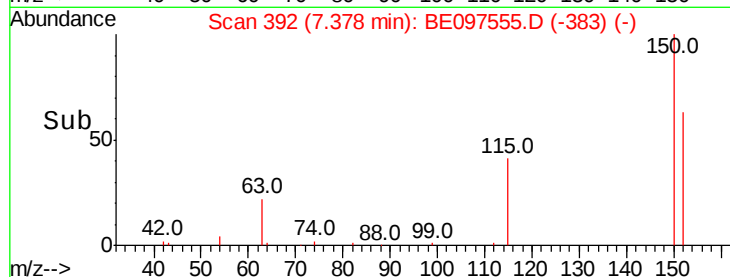
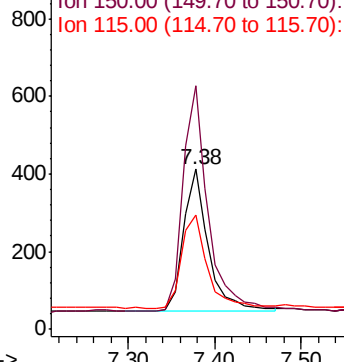
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.38 min Scan# 392
Delta R.T. -0.00 min
Lab File: BE097555.D
Acq: 20 Sep 2018 00:19

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 744
Ion Ratio Lower Upper
152 100
150 151.8 117.2 175.8
115 71.7 57.0 85.6



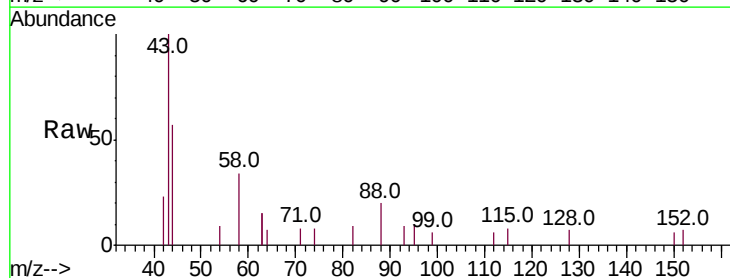
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



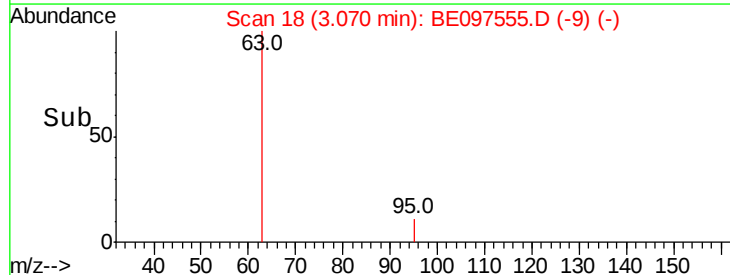
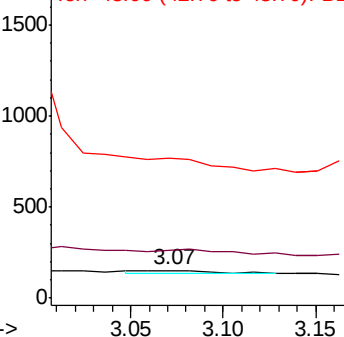
#2

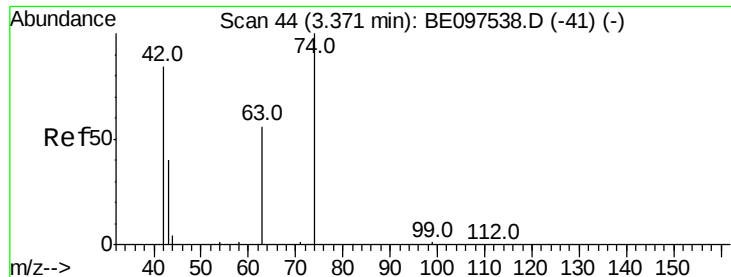
1,4-Dioxane
Concen: Below Cal
RT: 3.07 min Scan# 18
Delta R.T. -0.00 min
Lab File: BE097555.D
Acq: 20 Sep 2018 00:19

Tgt Ion: 88 Resp: 31
Ion Ratio Lower Upper
88 100
58 180.6 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: 0.035 ng

RT: 3.35 min Scan# 42

Delta R.T. -0.02 min

Lab File: BE097555.D

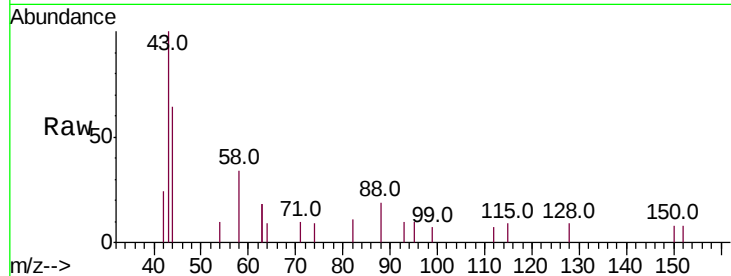
Acq: 20 Sep 2018 00:19

Instrument :

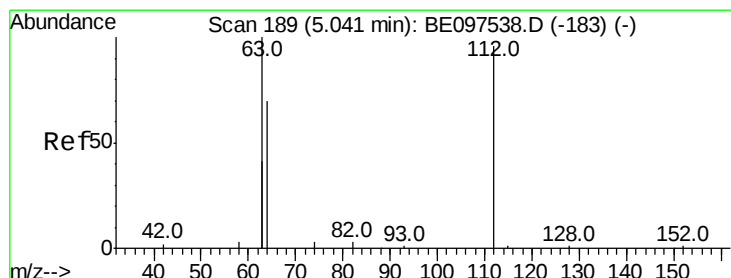
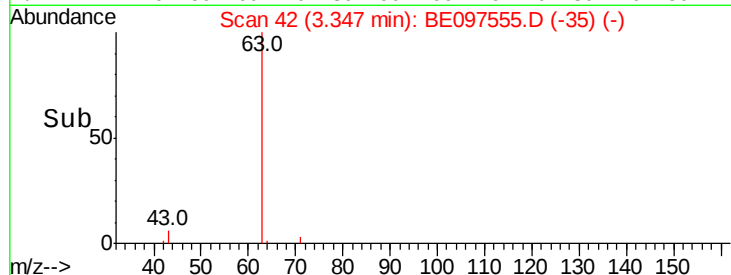
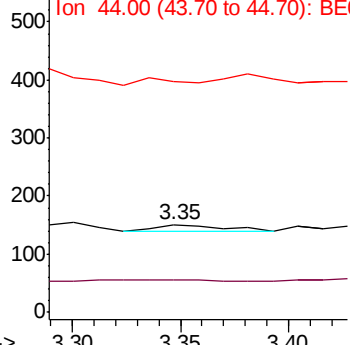
BNA_E

ClientSampleId :

Tot Ion:	42	Resp:	21
Ion	Ratio	Lower	Upper
42	100		
74	0.0	96.0	144.0#
44	76.2	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: 0.159 ng

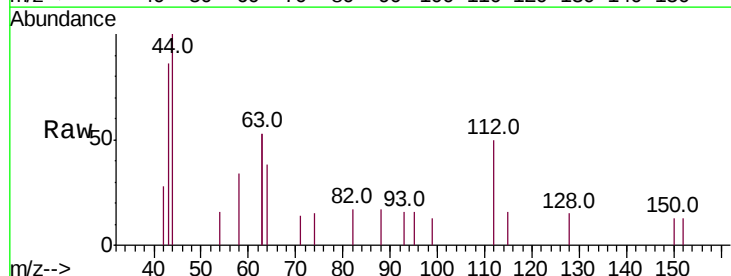
RT: 5.05 min Scan# 190

Delta R.T. 0.01 min

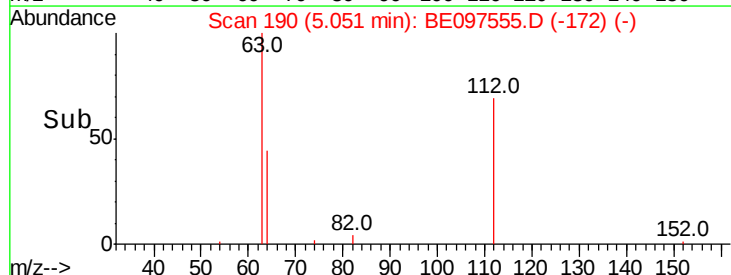
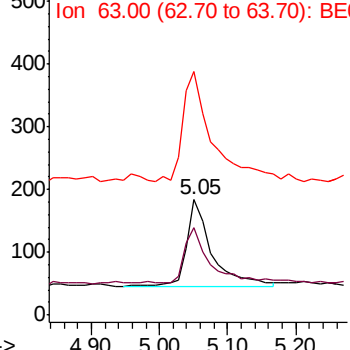
Lab File: BE097555.D

Acq: 20 Sep 2018 00:19

Tgt Ion:	112	Resp:	355
Ion	Ratio	Lower	Upper
112	100		
64	63.1	60.1	90.1
63	147.0	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: 0.064 ng

RT: 6.62 min Scan# 326

Delta R.T. 0.02 min

Lab File: BE097555.D

Acq: 20 Sep 2018 00:19

Instrument :

BNA_E

ClientSampled :

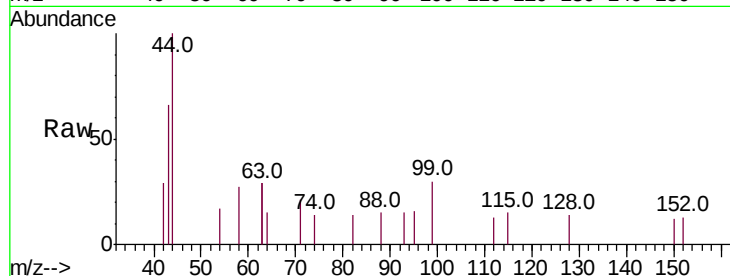
Tot Ion: 99 Resp: 182

Ion Ratio Lower Upper

99 100

42 15.4 20.2 30.2#

71 0.0 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

6.62

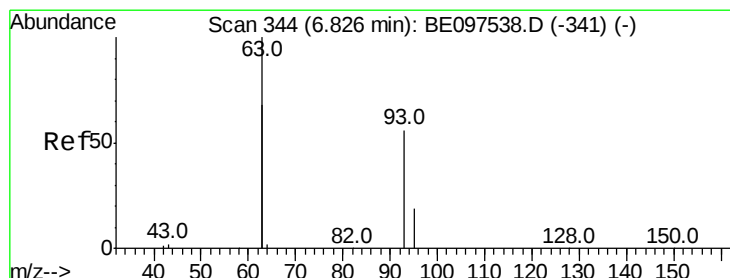
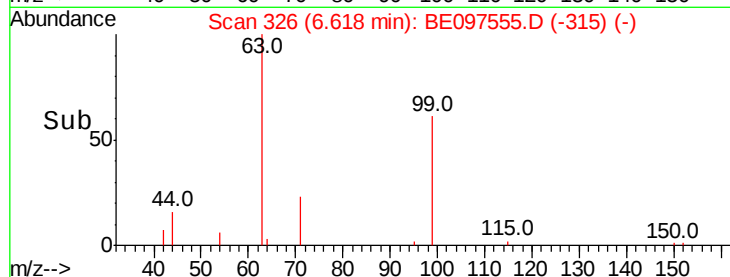
100

50

0

6.55 6.60 6.65

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.003 ng

RT: 6.79 min Scan# 341

Delta R.T. -0.04 min

Lab File: BE097555.D

Acq: 20 Sep 2018 00:19

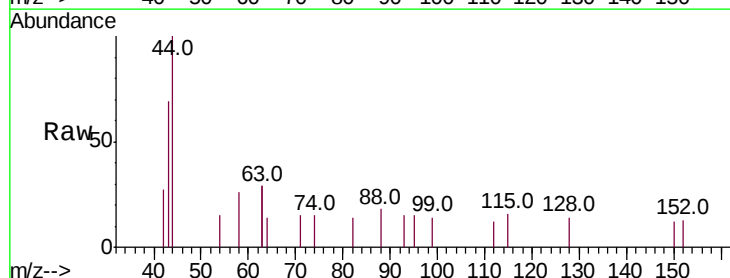
Tgt Ion: 93 Resp: 8

Ion Ratio Lower Upper

93 100

63 0.0 275.3 412.9#

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

300

250

200

150

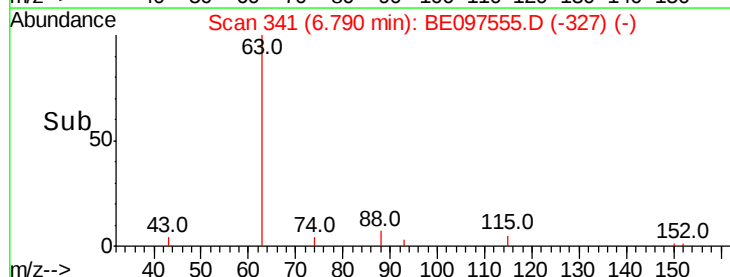
100

50

0

6.75 6.80

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.13 min Scan# 612

Delta R.T. 0.00 min

Lab File: BE097555.D

Acq: 20 Sep 2018 00:19

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 3485

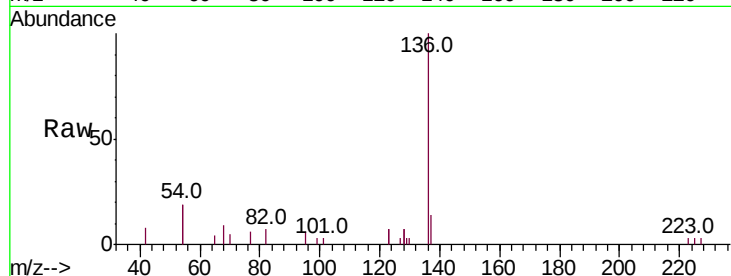
Ion Ratio Lower Upper

136 100

137 13.9 9.5 14.3

54 38.5 29.1 43.7

68 8.9 6.2 9.2

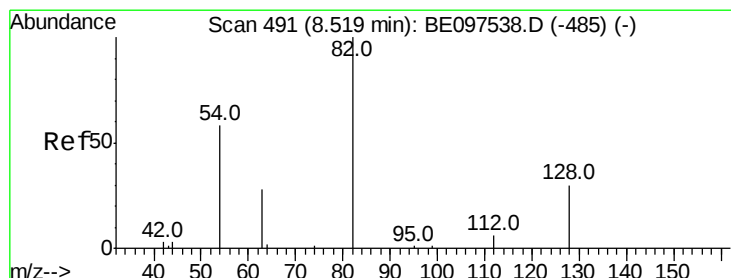
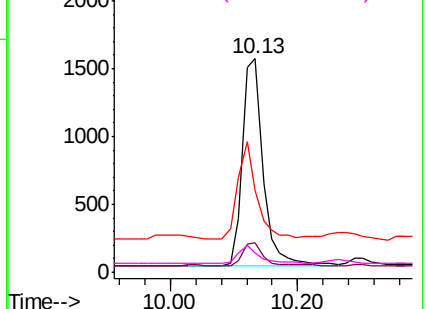
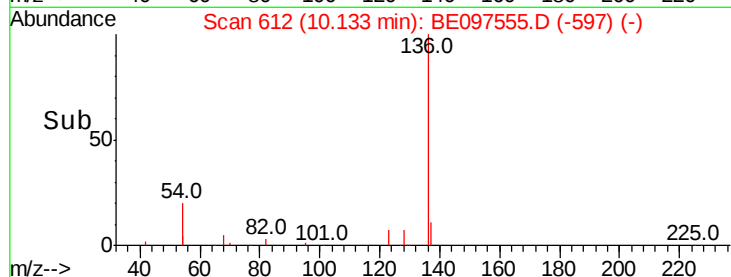


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.348 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE097555.D

Acq: 20 Sep 2018 00:19

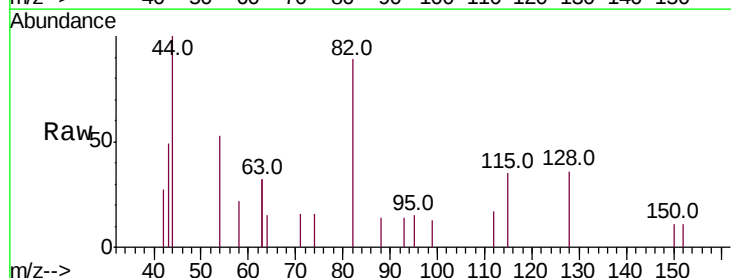
Tgt Ion: 82 Resp: 938

Ion Ratio Lower Upper

82 100

128 40.4 24.0 36.0#

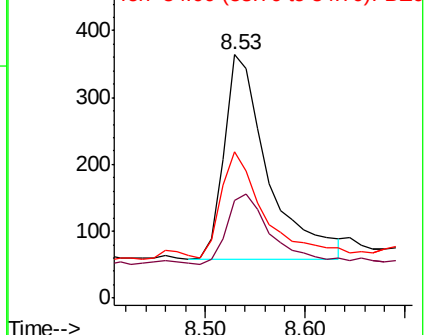
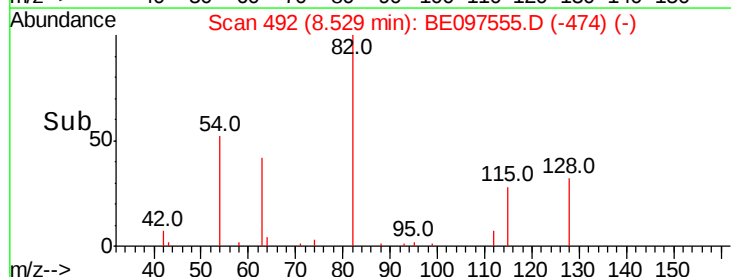
54 59.9 40.0 60.0



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: 0.018 ng

RT: 10.17 min Scan# 615

Delta R.T. 0.00 min

Lab File: BE097555.D

Acq: 20 Sep 2018 00:19

Instrument :

BNA_E

ClientSampleId :

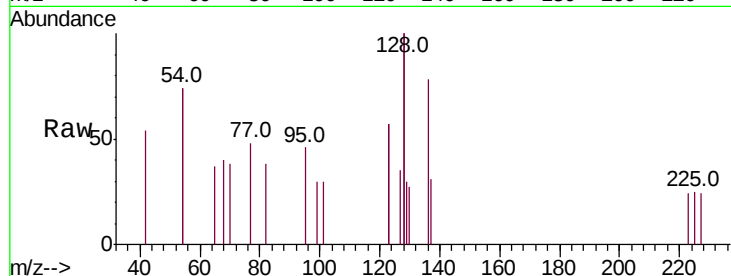
Tot Ion:128 Resp: 566

Ion Ratio Lower Upper

128 100

129 15.1 2.6 3.8#

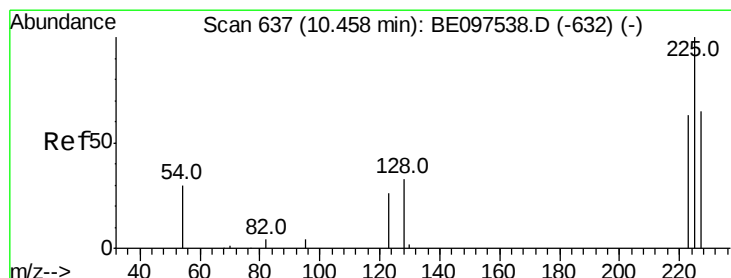
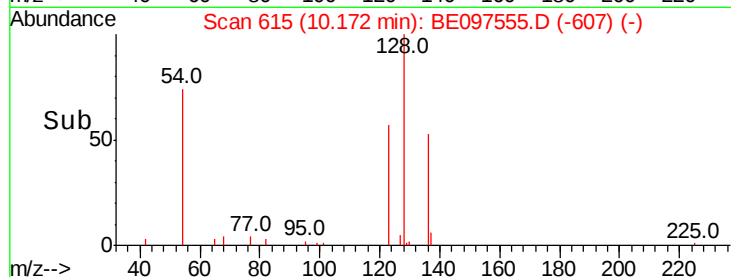
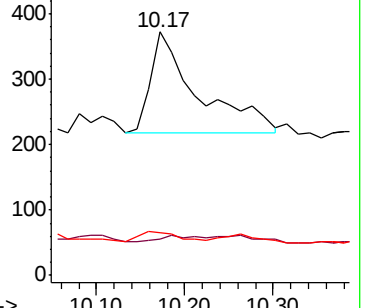
127 17.5 2.8 4.2#



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: 0.003 ng

RT: 10.46 min Scan# 637

Delta R.T. 0.00 min

Lab File: BE097555.D

Acq: 20 Sep 2018 00:19

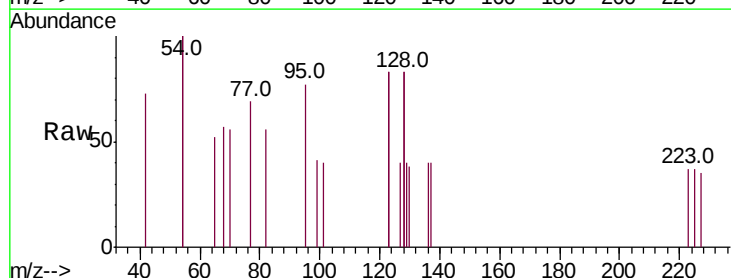
Tgt Ion:225 Resp: 4

Ion Ratio Lower Upper

225 100

223 50.0 53.0 79.6#

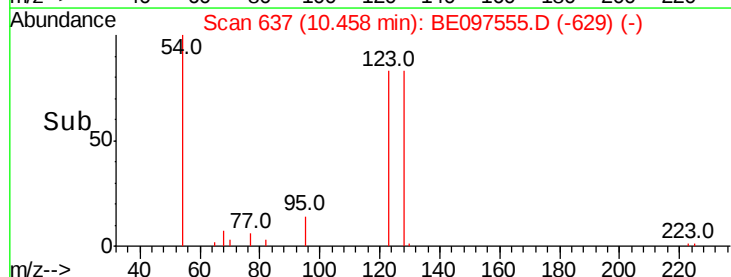
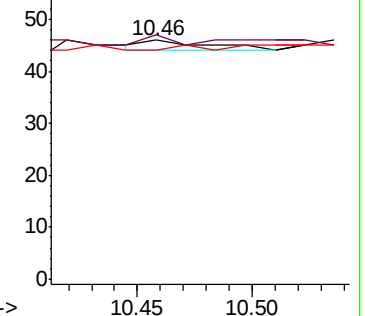
227 0.0 51.4 77.2#



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: 0.414 ng

RT: 11.71 min Scan# 756

Delta R.T. -0.01 min

Lab File: BE097555.D

Acq: 20 Sep 2018 00:19

Instrument :

BNA_E

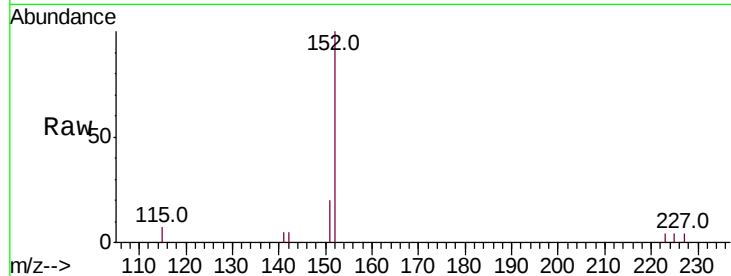
ClientSampleId :

Tot Ion:152 Resp: 1989

Ion Ratio Lower Upper

152 100

151 18.3 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.71

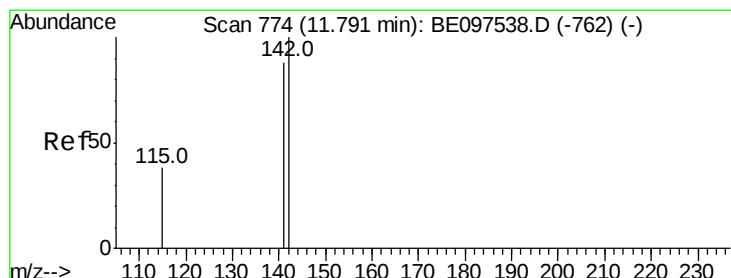
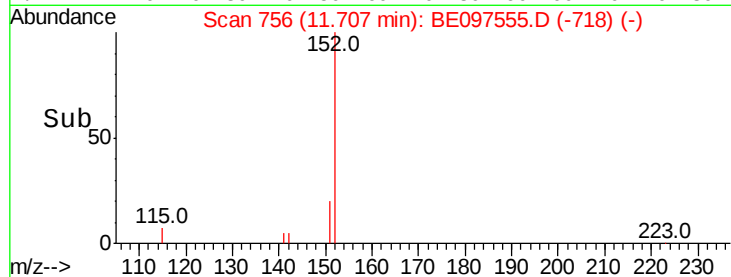
1000

500

0

11.70 11.80

Time-->



#12

2-Methylnaphthalene

Concen: 0.002 ng

RT: 11.78 min Scan# 771

Delta R.T. -0.01 min

Lab File: BE097555.D

Acq: 20 Sep 2018 00:19

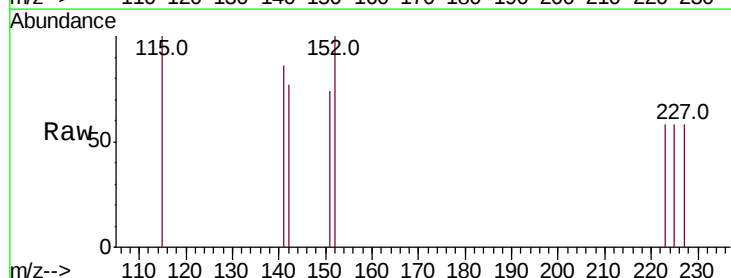
Tgt Ion:142 Resp: 12

Ion Ratio Lower Upper

142 100

141 111.9 70.4 105.6#

115 130.5 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

100

80

60

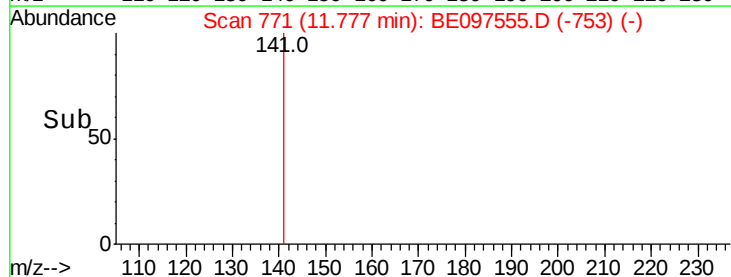
40

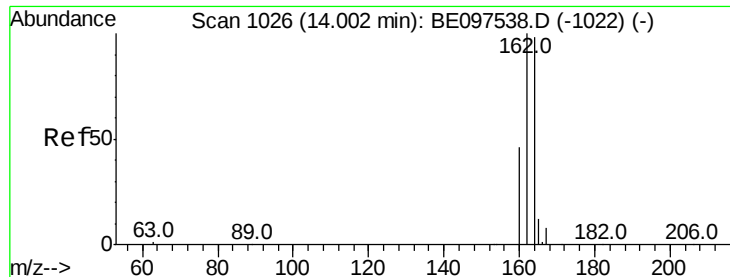
20

0

11.74 11.76 11.78 11.80

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 13.99 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BE097555.D

Acq: 20 Sep 2018 00:19

Instrument :

BNA_E

ClientSampleId :

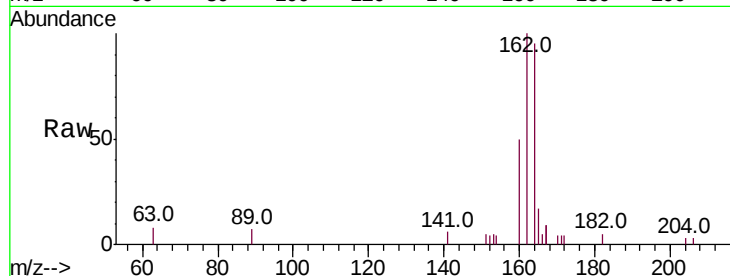
Tot Ion:164 Resp: 2334

Ion Ratio Lower Upper

164 100

162 105.4 83.1 124.7

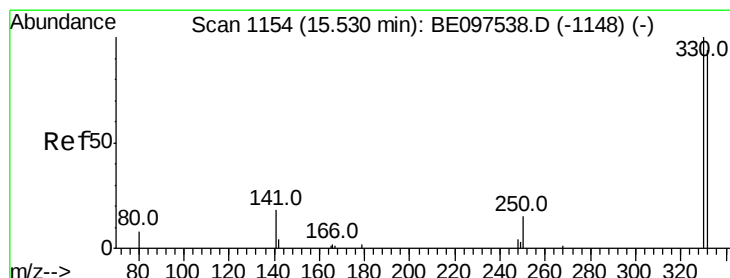
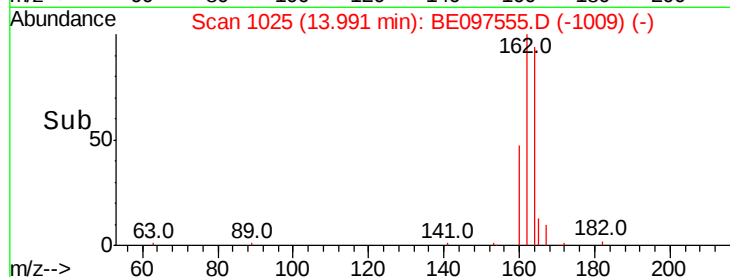
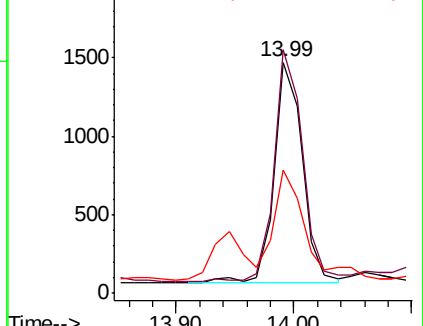
160 53.2 37.1 55.7



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: 0.587 ng

RT: 15.51 min Scan# 1152

Delta R.T. -0.02 min

Lab File: BE097555.D

Acq: 20 Sep 2018 00:19

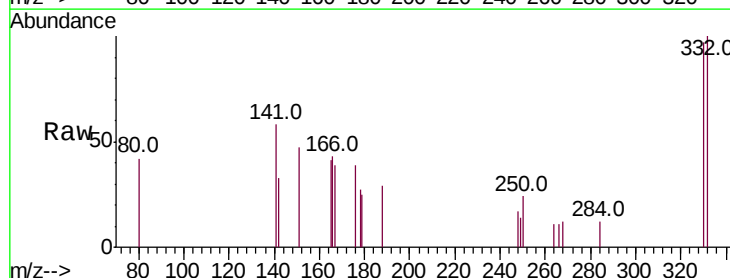
Tgt Ion:330 Resp: 568

Ion Ratio Lower Upper

330 100

332 96.5 152.7 229.1#

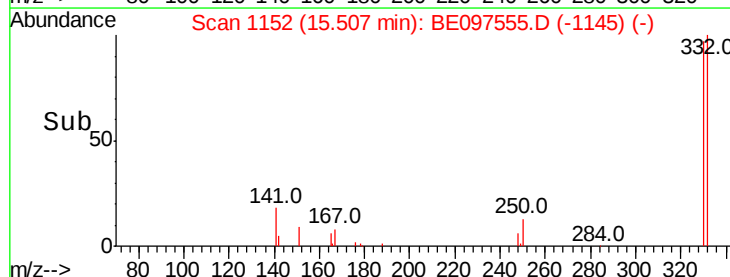
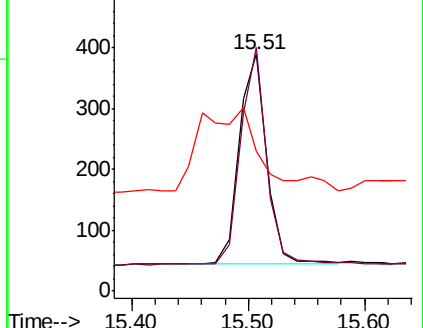
141 84.5 33.7 50.5#



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

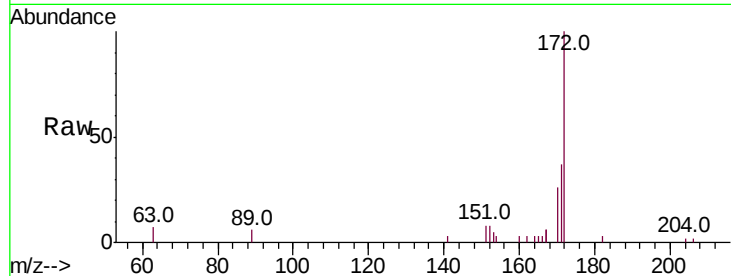




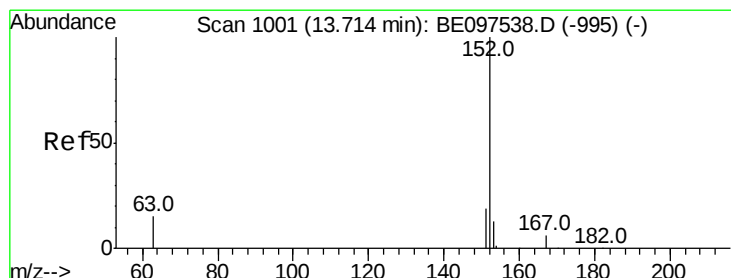
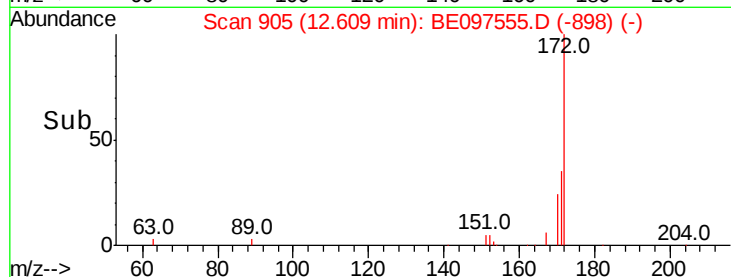
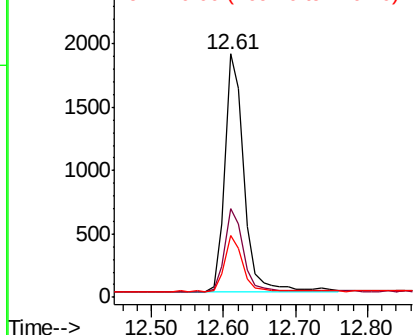
#15
2-Fluorobiphenyl
Concen: 0.418 ng
RT: 12.61 min Scan# 905
Delta R.T. -0.02 min
Lab File: BE097555.D
Acq: 20 Sep 2018 00:19

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 3450
Ion Ratio Lower Upper
172 100
171 36.7 29.9 44.9
170 25.6 21.8 32.8

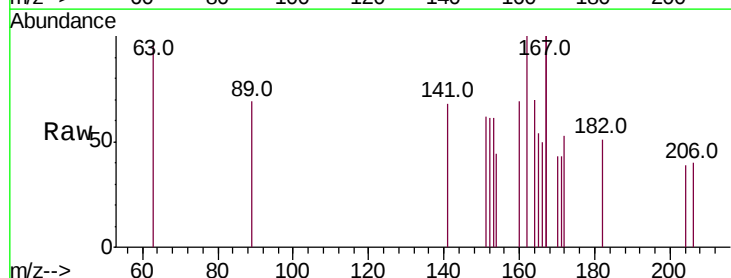


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

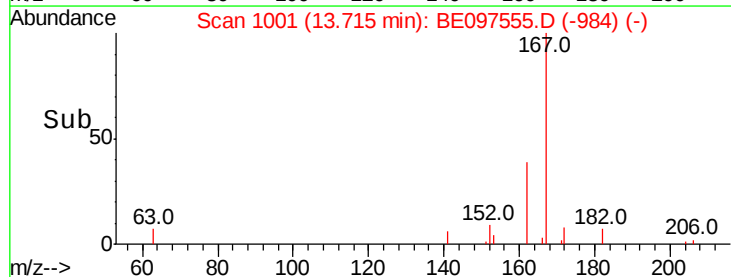
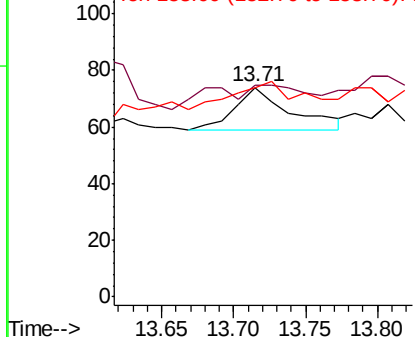


#16
Acenaphthylene
Concen: 0.004 ng
RT: 13.71 min Scan# 1001
Delta R.T. 0.00 min
Lab File: BE097555.D
Acq: 20 Sep 2018 00:19

Tgt Ion:152 Resp: 41
Ion Ratio Lower Upper
152 100
151 29.3 15.7 23.5#
153 75.6 10.5 15.7#



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

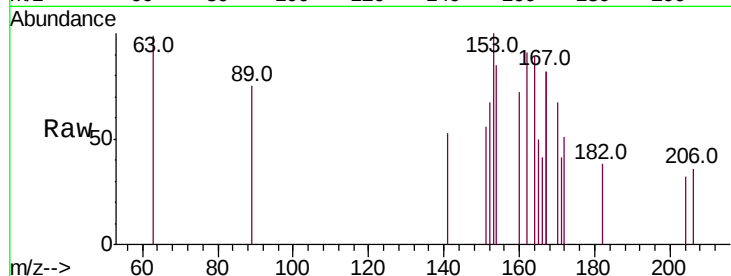




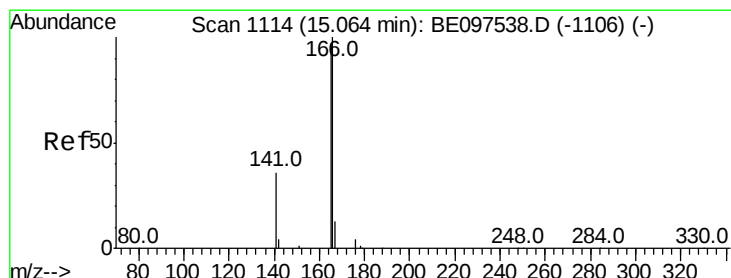
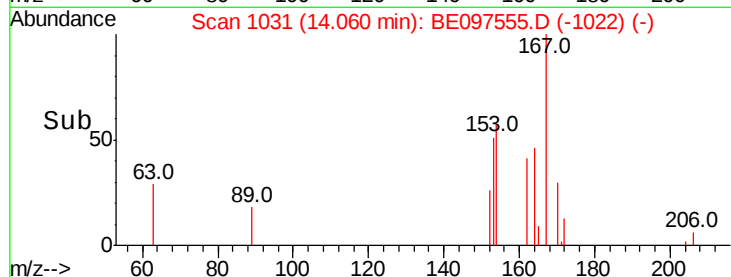
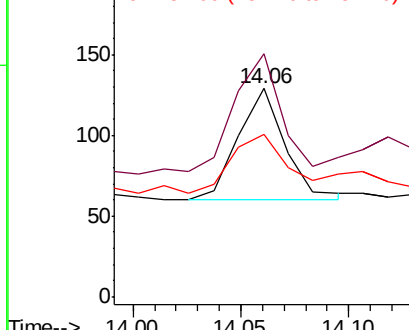
#17
Acenaphthene
Concen: 0.017 ng
RT: 14.06 min Scan# 1031
Delta R.T. 0.00 min
Lab File: BE097555.D
Acq: 20 Sep 2018 00:19

Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 106
Ion Ratio Lower Upper
154 100
153 111.3 89.2 133.8
152 66.0 42.0 63.0#

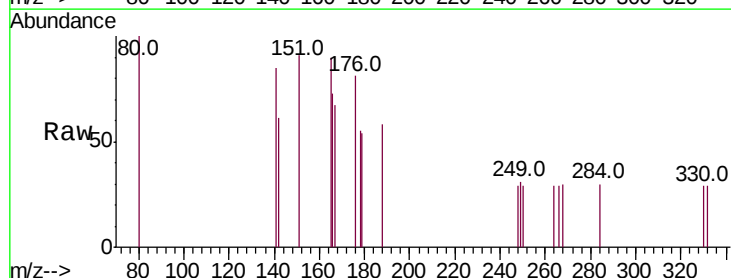


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

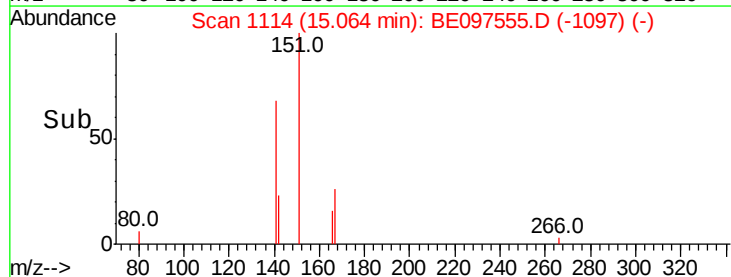
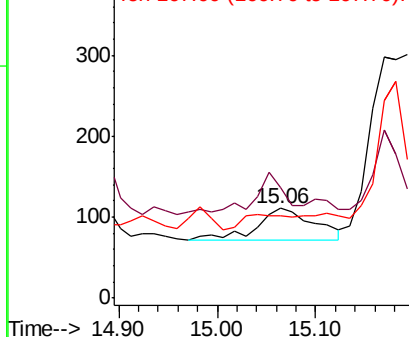


#18
Fluorene
Concen: 0.020 ng
RT: 15.06 min Scan# 1114
Delta R.T. 0.00 min
Lab File: BE097555.D
Acq: 20 Sep 2018 00:19

Tgt Ion:166 Resp: 164
Ion Ratio Lower Upper
166 100
165 0.0 77.8 116.6#
167 0.0 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: 16.75 min Scan# 1259

Delta R.T. 0.00 min

Lab File: BE097555.D

Acq: 20 Sep 2018 00:19

Instrument :

BNA_E

ClientSampleId :

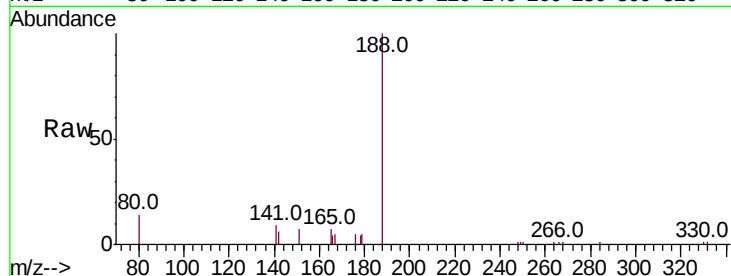
Tot Ion:188 Resp: 6946

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

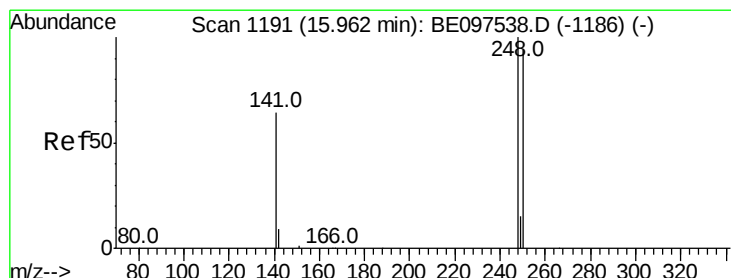
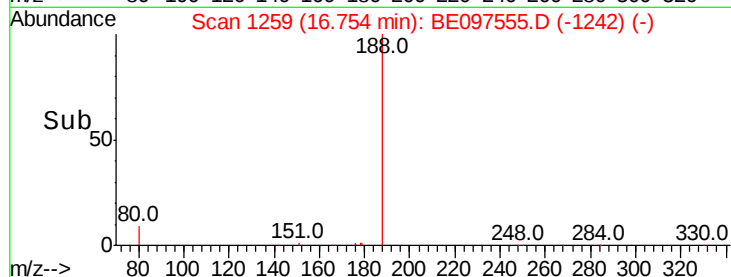
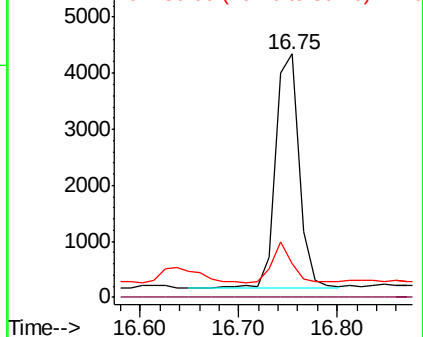
80 13.8 3.6 5.4#



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: 0.002 ng

RT: 15.94 min Scan# 1189

Delta R.T. -0.02 min

Lab File: BE097555.D

Acq: 20 Sep 2018 00:19

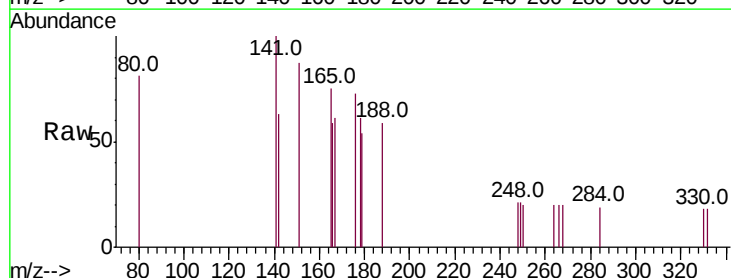
Tgt Ion:248 Resp: 5

Ion Ratio Lower Upper

248 100

250 98.0 62.7 94.1#

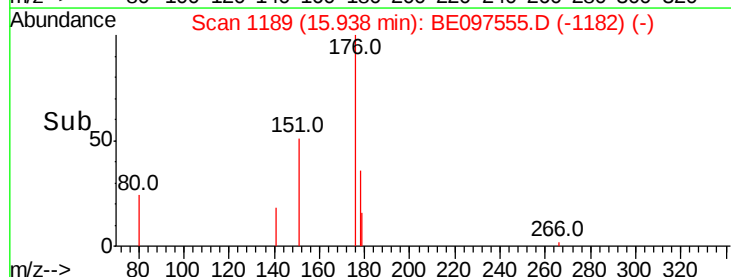
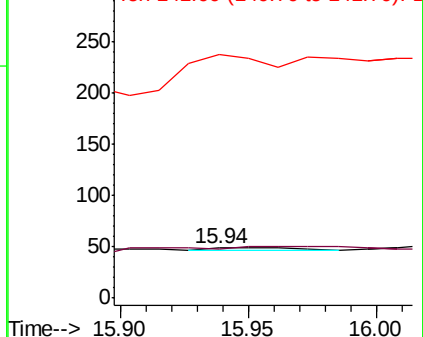
141 485.7 48.2 72.2#



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: 0.003 ng

RT: 16.07 min Scan# 1200

Delta R.T. 0.00 min

Lab File: BE097555.D

Acq: 20 Sep 2018 00:19

Instrument :

BNA_E

ClientSampled :

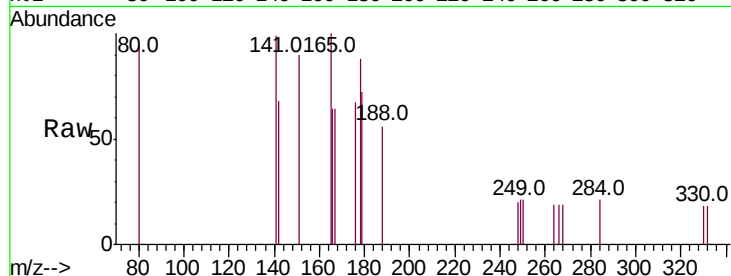
Tot Ion:284 Resp: 11

Ion Ratio Lower Upper

284 100

142 0.0 22.1 33.1#

249 154.5 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

250

200

150

100

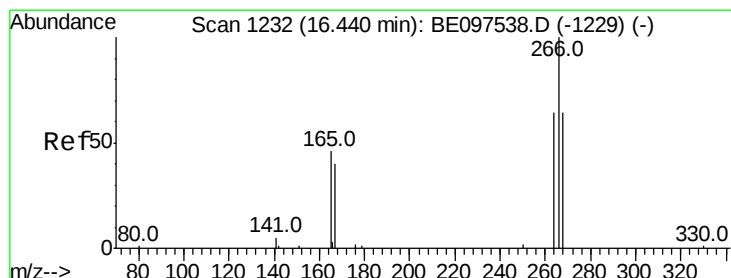
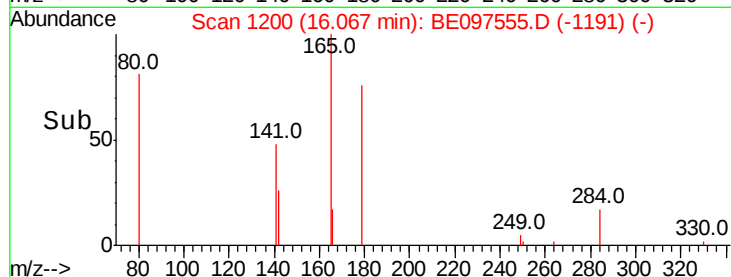
50

0

16.00 16.05 16.10

16.07

Time-->



#22

Pentachlorophenol

Concen: 0.152 ng

RT: 16.42 min Scan# 1230

Delta R.T. -0.02 min

Lab File: BE097555.D

Acq: 20 Sep 2018 00:19

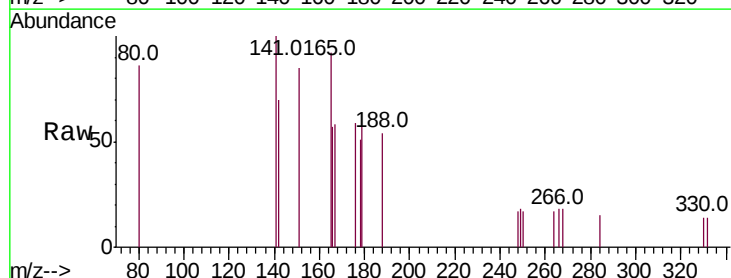
Tgt Ion:266 Resp: 34

Ion Ratio Lower Upper

266 100

264 92.9 72.5 108.7

268 96.4 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

60

40

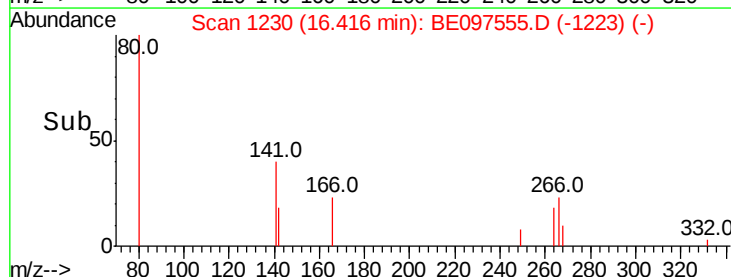
20

0

16.40 16.50

16.42

Time-->





#23

Phenanthrene

Concen: 0.012 ng

RT: 16.79 min Scan# 1262

Delta R.T. -0.01 min

Lab File: BE097555.D

Acq: 20 Sep 2018 00:19

Instrument :

BNA_E

ClientSampleId :

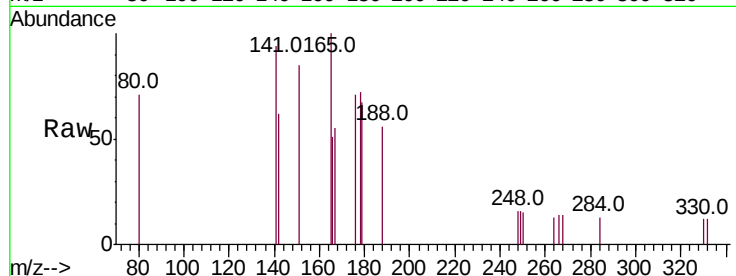
Tot Ion:178 Resp: 198

Ion Ratio Lower Upper

178 100

176 94.9 15.1 22.7#

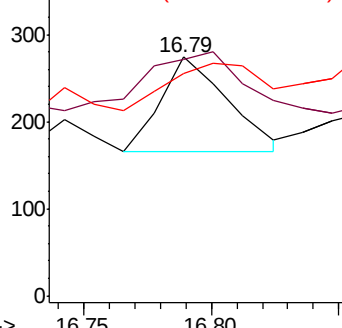
179 68.2 11.8 17.6#



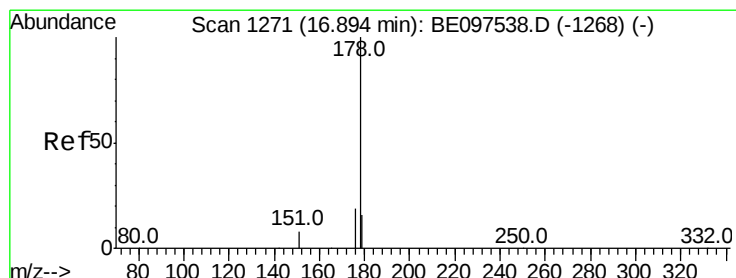
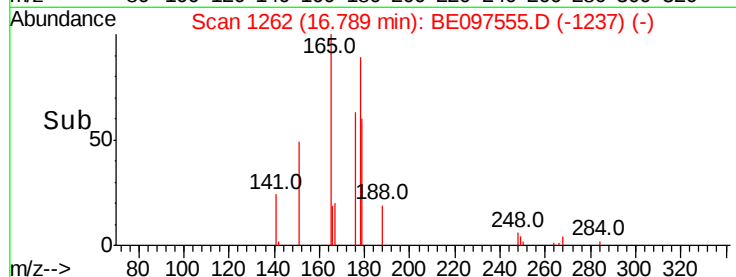
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#24

Anthracene

Concen: 0.026 ng

RT: 16.88 min Scan# 1270

Delta R.T. -0.01 min

Lab File: BE097555.D

Acq: 20 Sep 2018 00:19

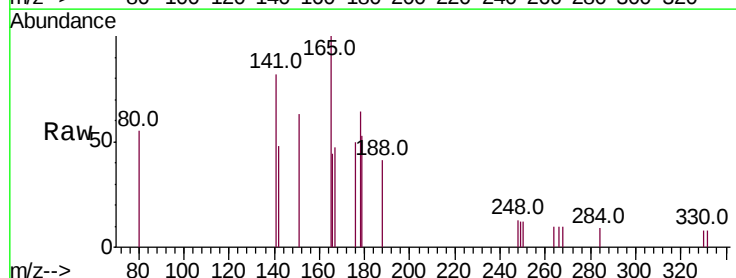
Tgt Ion:178 Resp: 383

Ion Ratio Lower Upper

178 100

176 27.7 12.8 19.2#

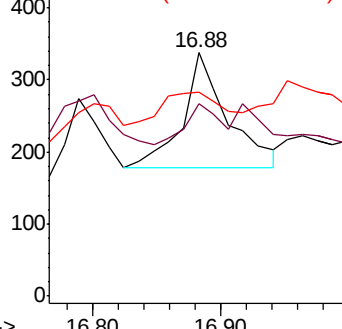
179 40.5 13.0 19.6#



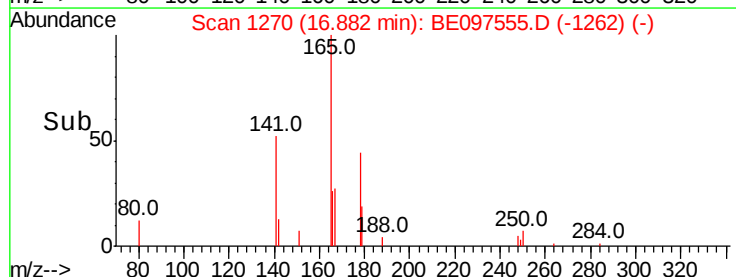
Abundance Ion 178.00 (177.70 to 178.70): E

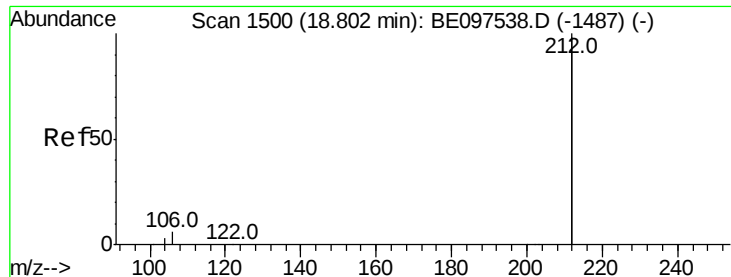
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#25

Fluoranthene-d10

Concen: 0.433 ng

RT: 18.79 min Scan# 1498

Delta R.T. -0.01 min

Lab File: BE097555.D

Acq: 20 Sep 2018 00:19

Instrument :

BNA_E

ClientSampleId :

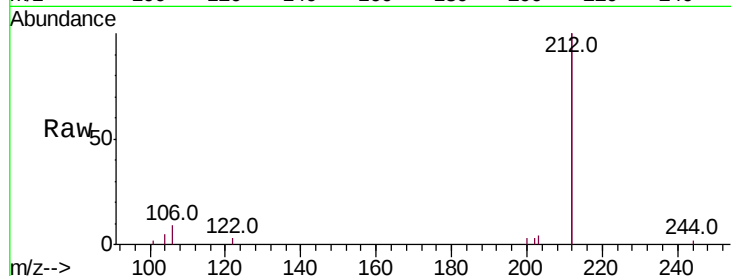
Tot Ion:212 Resp: 38477

Ion Ratio Lower Upper

212 100

106 3.2 2.8 4.2

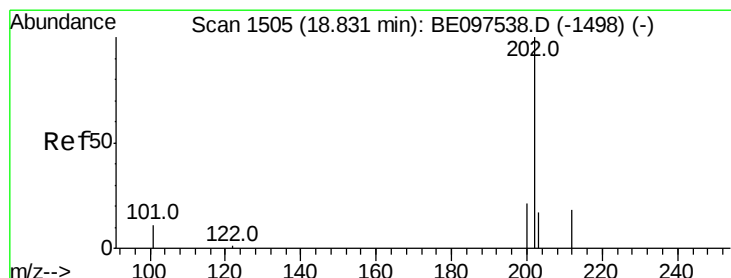
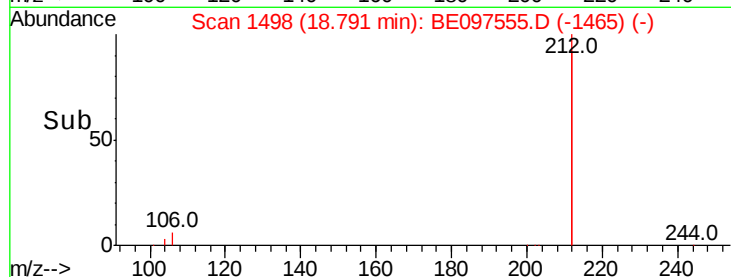
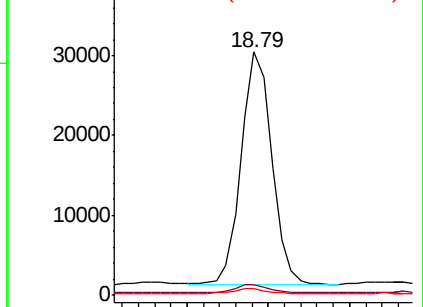
104 1.9 1.6 2.4



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: 0.012 ng

RT: 18.82 min Scan# 1503

Delta R.T. -0.01 min

Lab File: BE097555.D

Acq: 20 Sep 2018 00:19

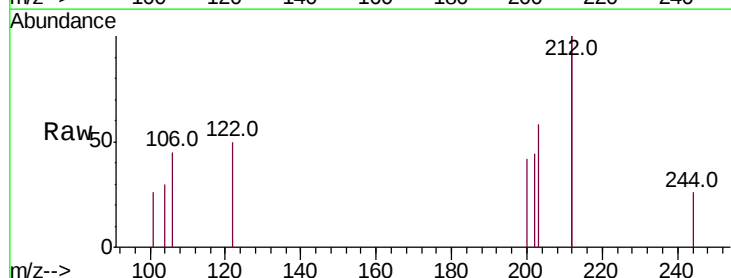
Tgt Ion:202 Resp: 285

Ion Ratio Lower Upper

202 100

101 0.0 9.8 14.8#

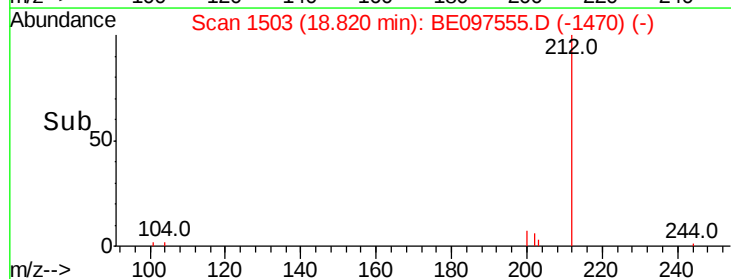
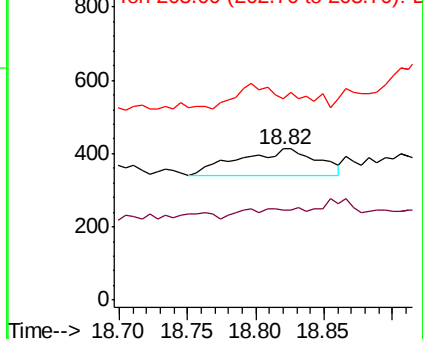
203 0.0 13.7 20.5#



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: 20.97 min Scan# 1785

Delta R.T. 0.00 min

Lab File: BE097555.D

Acq: 20 Sep 2018 00:19

Instrument :

BNA_E

ClientSampleId :

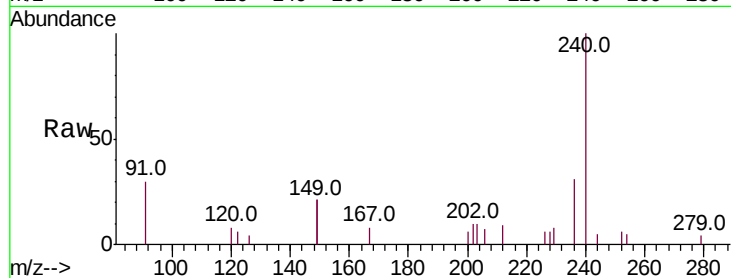
Tot Ion:240 Resp: 9615

Ion Ratio Lower Upper

240 100

120 8.3 5.5 8.3#

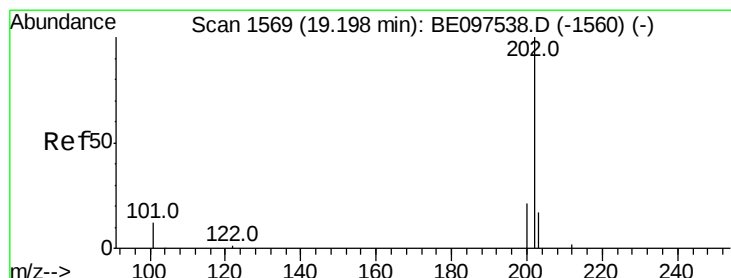
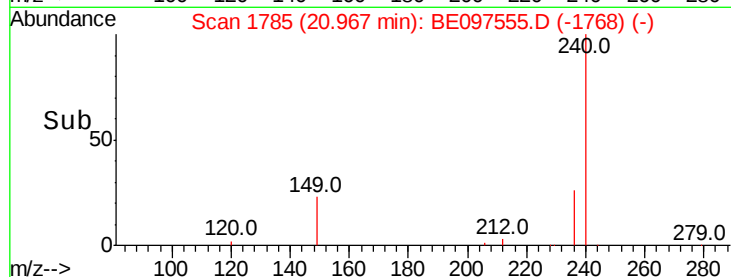
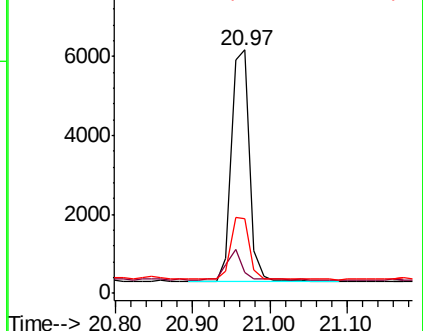
236 30.6 20.7 31.1



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: 0.008 ng

RT: 19.19 min Scan# 1567

Delta R.T. -0.01 min

Lab File: BE097555.D

Acq: 20 Sep 2018 00:19

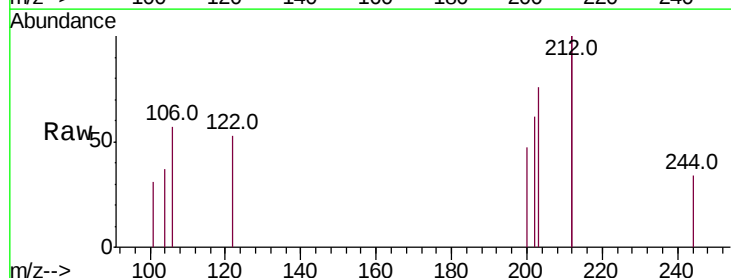
Tgt Ion:202 Resp: 185

Ion Ratio Lower Upper

202 100

200 0.0 16.6 25.0#

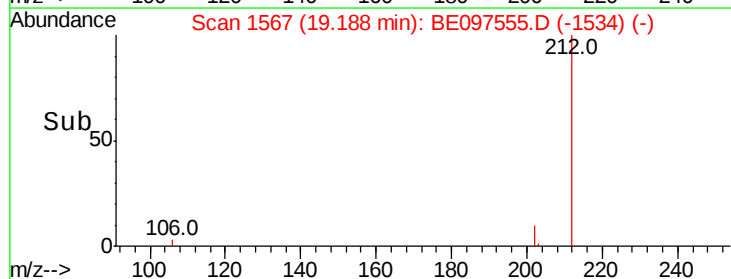
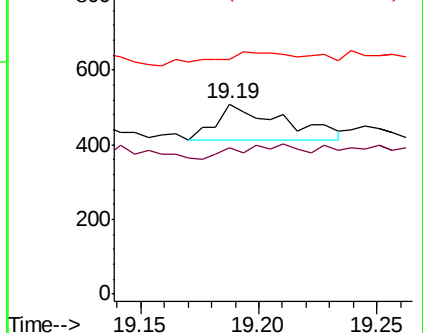
203 51.4 13.8 20.8#



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: 0.524 ng

RT: 19.41 min Scan# 1606

Delta R.T. -0.01 min

Lab File: BE097555.D

Acq: 20 Sep 2018 00:19

Instrument :

BNA_E

ClientSampled :

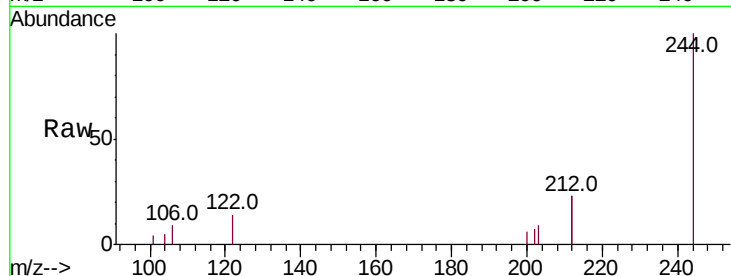
Tot Ion:244 Resp: 9223

Ion Ratio Lower Upper

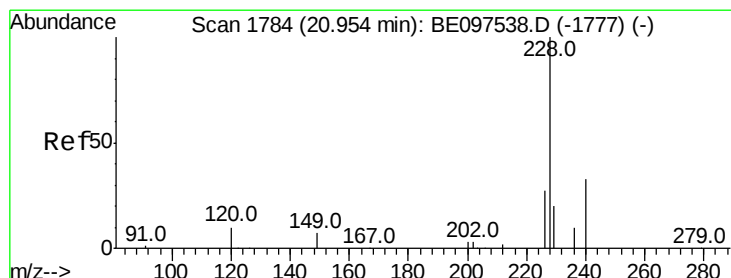
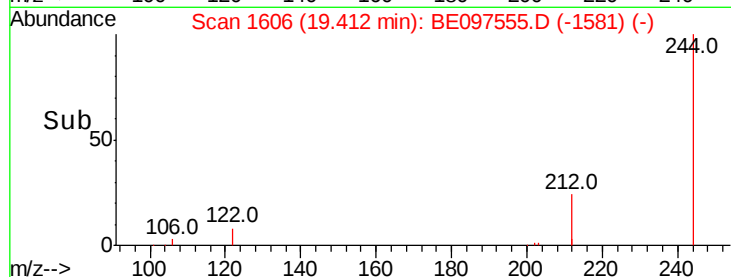
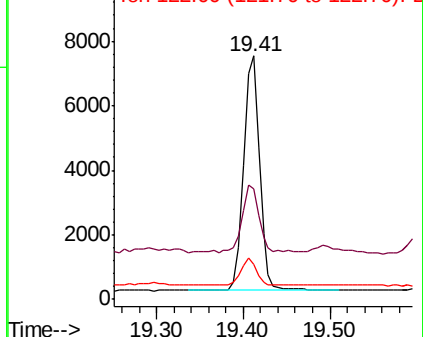
244 100

212 45.6 25.4 38.0#

122 14.4 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: 0.006 ng

RT: 20.94 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BE097555.D

Acq: 20 Sep 2018 00:19

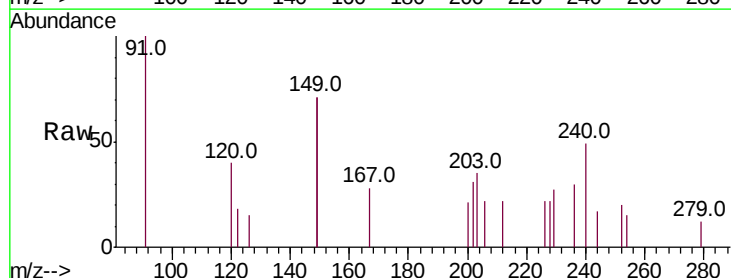
Tgt Ion:228 Resp: 147

Ion Ratio Lower Upper

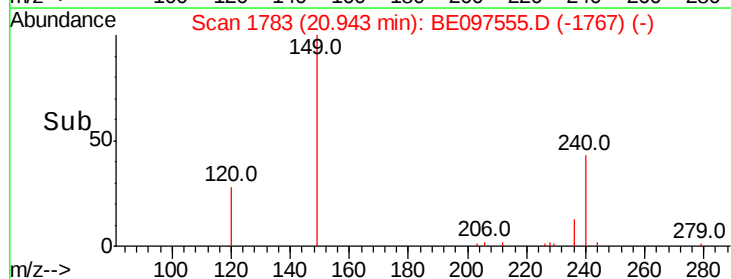
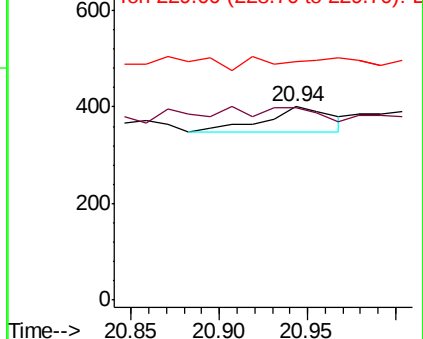
228 100

226 99.3 24.0 36.0#

229 123.2 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: 0.002 ng

RT: 21.05 min Scan# 1792

Delta R.T. 0.05 min

Lab File: BE097555.D

Acq: 20 Sep 2018 00:19

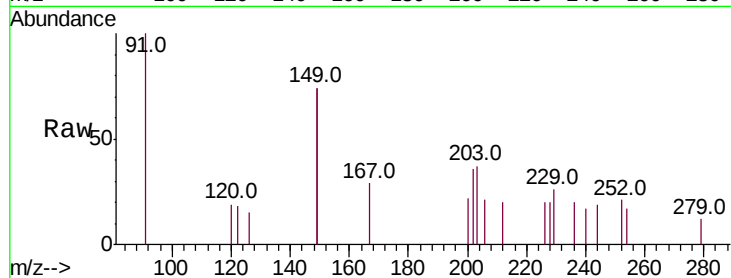
Instrument :

BNA_E

ClientSampleId :

Tot Ion:228 Resp: 62

Ion	Ratio	Lower	Upper
228	100		
226	101.1	24.0	36.0#
229	130.4	16.0	24.0#



Abundance

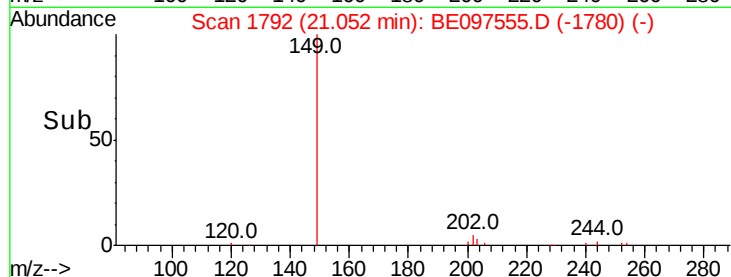
Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

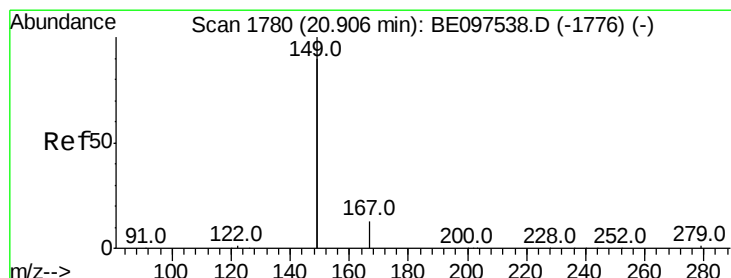
Ion 229.00 (228.70 to 229.70): E

21.05

Time-->



Time-->



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.097 ng

RT: 20.91 min Scan# 1780

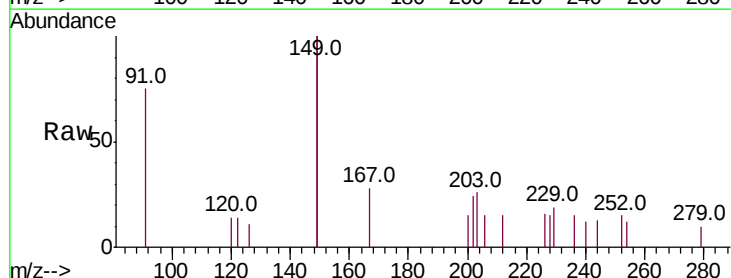
Delta R.T. 0.00 min

Lab File: BE097555.D

Acq: 20 Sep 2018 00:19

Tgt Ion:149 Resp: 3539

Ion	Ratio	Lower	Upper
149	100		
167	7.2	5.4	8.0
279	3.2	0.7	1.1#



Abundance

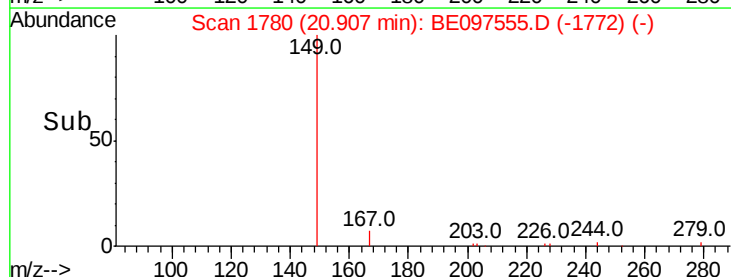
Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

20.91

Time-->



Time-->



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.001 ng

RT: 25.50 min Scan# 2841

Delta R.T. -0.00 min

Lab File: BE097555.D

Acq: 20 Sep 2018 00:19

Instrument :

BNA_E

ClientSampleId :

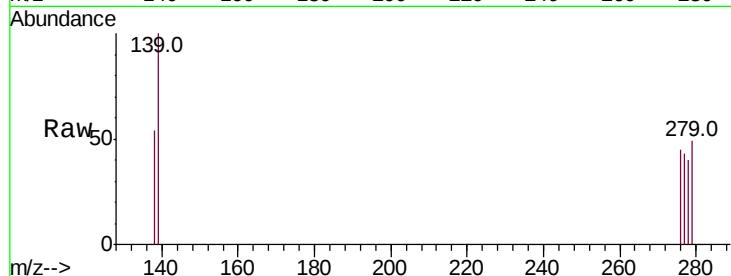
Tot Ion:276 Resp: 30

Ion Ratio Lower Upper

276 100

138 0.0 22.5 33.7#

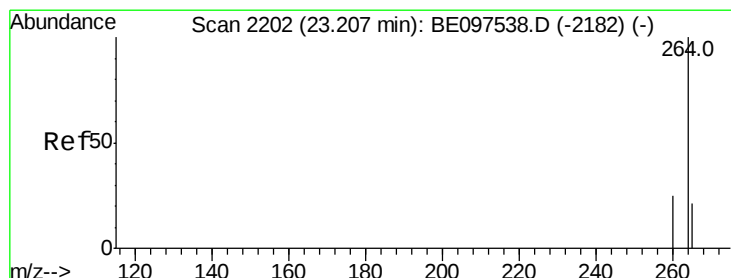
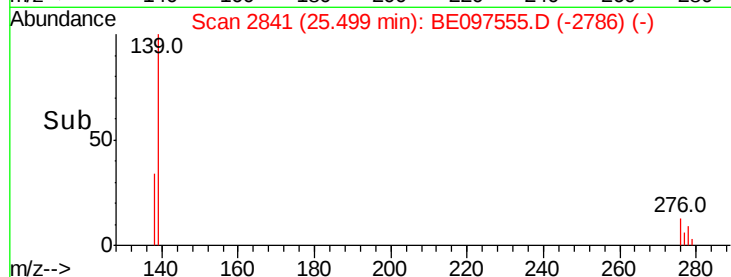
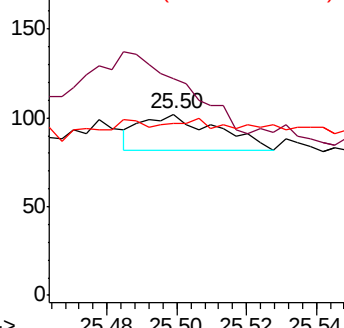
277 10.0 19.9 29.9#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.19 min Scan# 2198

Delta R.T. -0.01 min

Lab File: BE097555.D

Acq: 20 Sep 2018 00:19

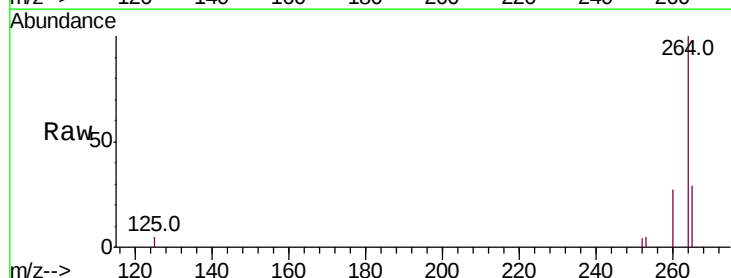
Tgt Ion:264 Resp: 9485

Ion Ratio Lower Upper

264 100

260 26.6 20.5 30.7

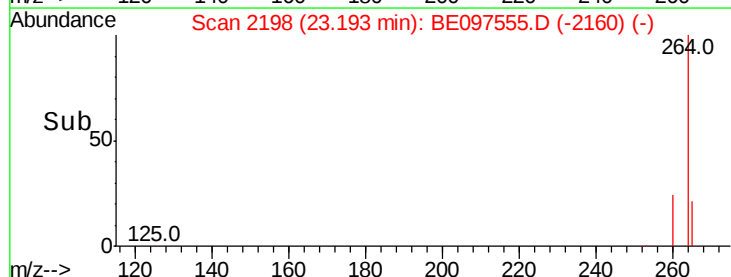
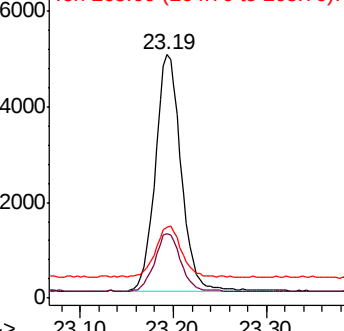
265 29.3 22.8 34.2

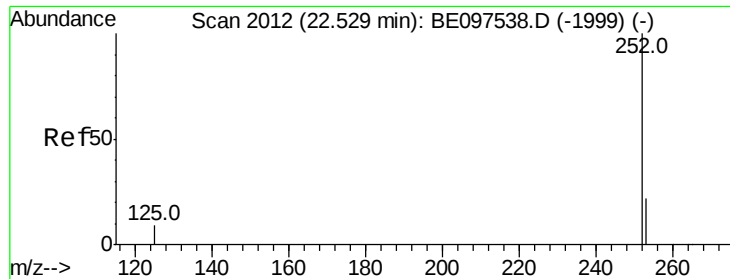


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.001 ng

RT: 22.51 min Scan# 2007

Delta R.T. -0.02 min

Lab File: BE097555.D

Acq: 20 Sep 2018 00:19

Instrument :

BNA_E

ClientSampleId :

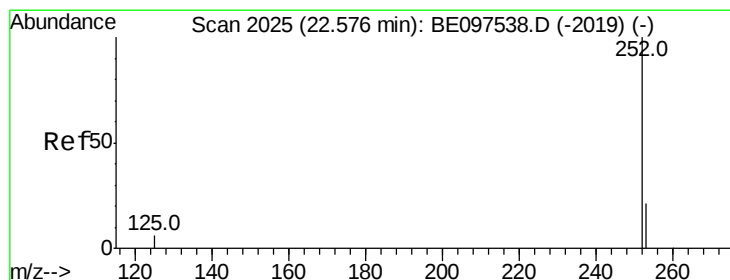
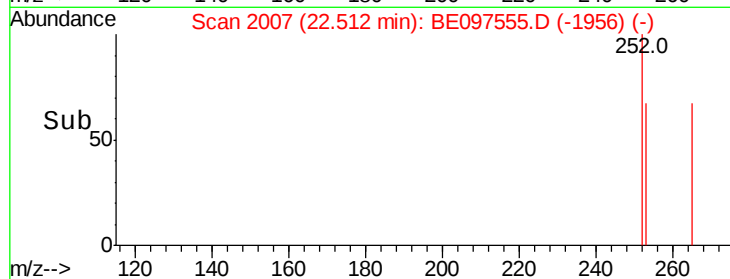
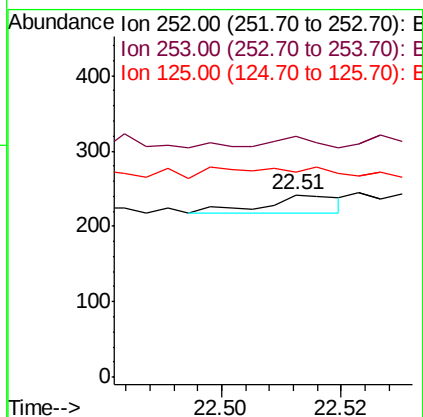
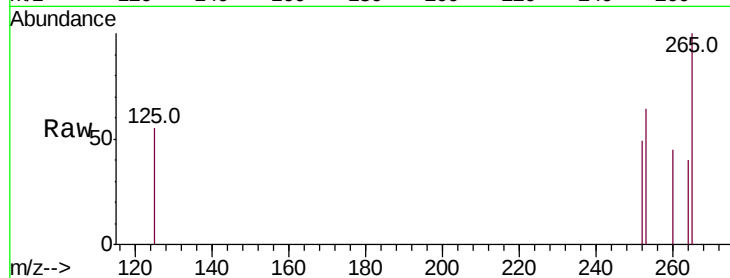
Tot Ion:252 Resp: 21

Ion Ratio Lower Upper

252 100

253 131.8 20.0 30.0#

125 112.4 16.0 24.0#



#36

Benzo(k)fluoranthene

Concen: 0.002 ng

RT: 22.56 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BE097555.D

Acq: 20 Sep 2018 00:19

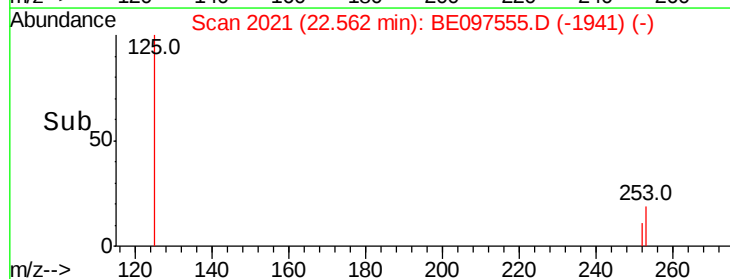
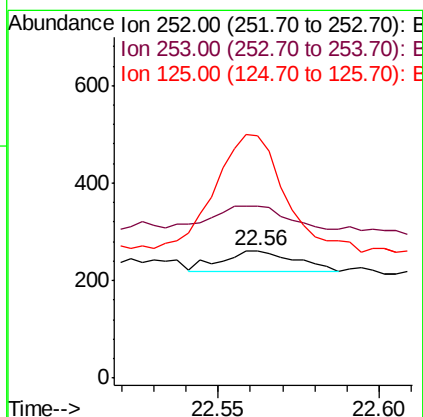
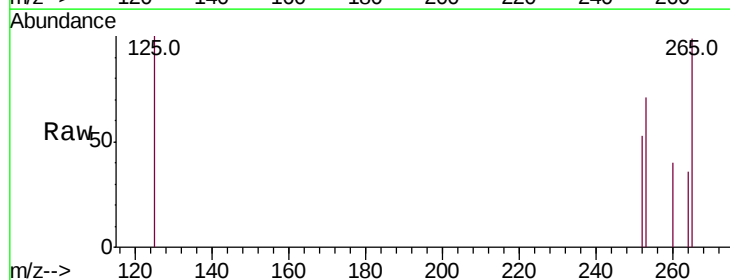
Tgt Ion:252 Resp: 67

Ion Ratio Lower Upper

252 100

253 134.4 16.0 24.0#

125 189.3 8.0 12.0#





#37

Benzo(a)pyrene

Concen: 0.022 ng

RT: 23.10 min Scan# 2172

Delta R.T. -0.01 min

Lab File: BE097555.D

Acq: 20 Sep 2018 00:19

Instrument :

BNA_E

ClientSampleId :

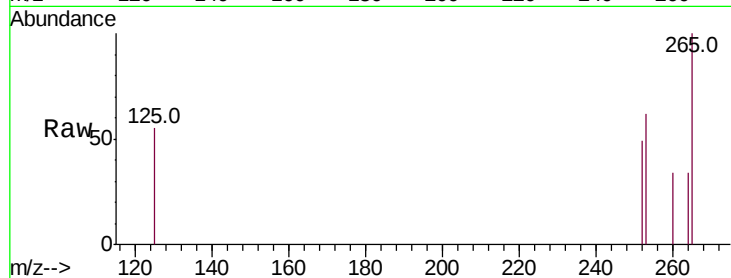
Tot Ion:252 Resp: 46

Ion Ratio Lower Upper

252 100

253 127.2 16.0 24.0#

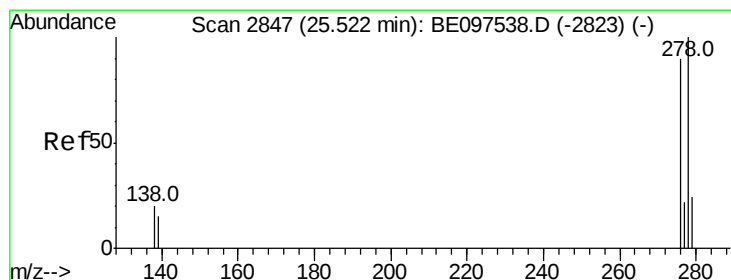
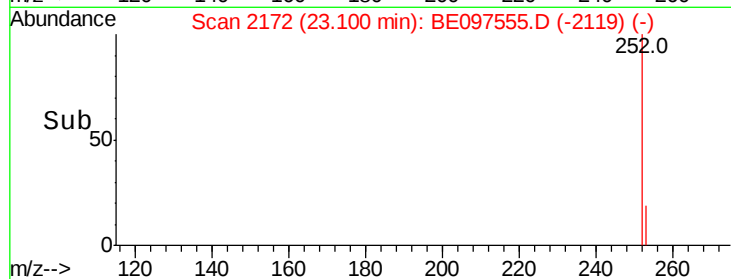
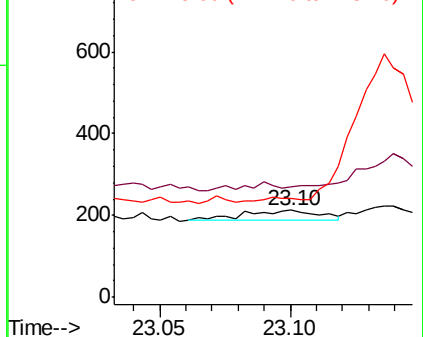
125 113.1 12.0 18.0#



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



#38

Dibenzo(a,h)anthracene

Concen: 0.000 ng

RT: 25.51 min Scan# 2844

Delta R.T. -0.01 min

Lab File: BE097555.D

Acq: 20 Sep 2018 00:19

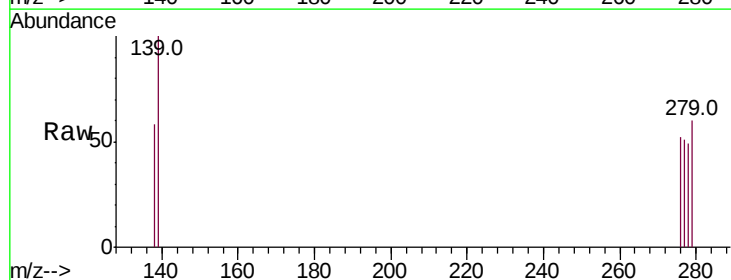
Tgt Ion:278 Resp: 1

Ion Ratio Lower Upper

278 100

139 203.3 16.0 24.0#

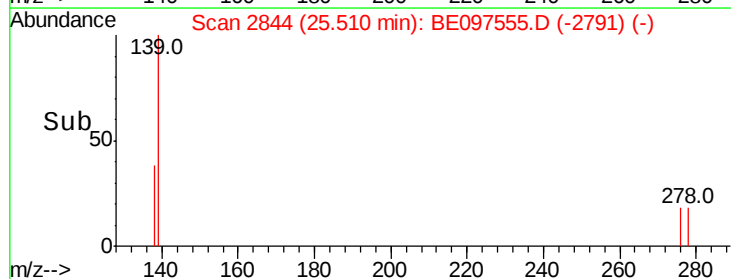
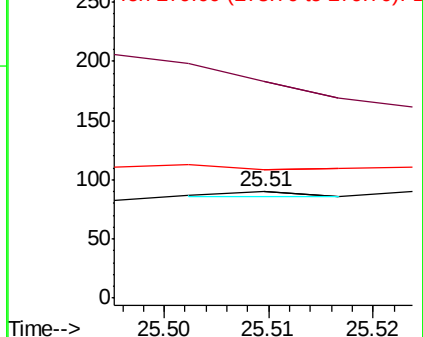
279 121.1 20.0 30.0#



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





#39

Benzo(a,h,i)perylene

Concen: 0.001 ng

RT: 26.19 min Scan# 3034

Delta R.T. -0.02 min

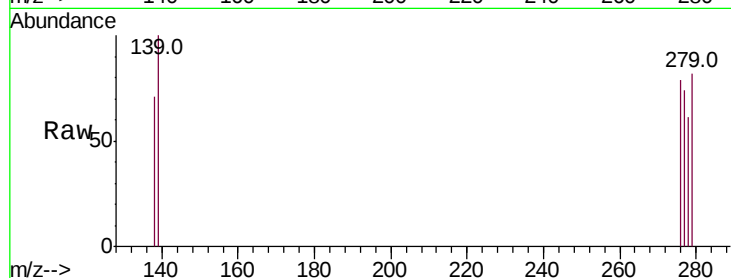
Lab File: BE097555.D

Acq: 20 Sep 2018 00:19

Instrument :

BNA_E

ClientSampleId :



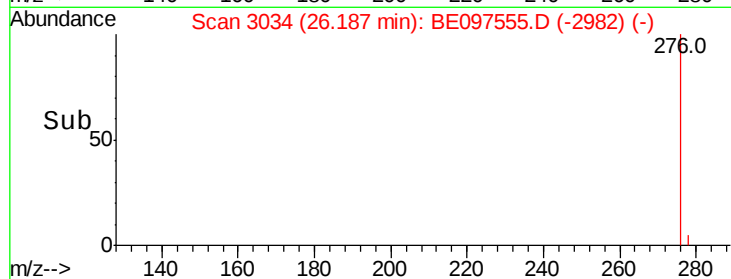
Tot Ion: 276 Resp: 30

Ion Ratio Lower Upper

276 100

277 94.7 16.0 24.0#

138 90.5 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

26.19

100

80

60

40

20

0

Time-->