

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092418\
 Data File : BE097648.D
 Acq On : 24 Sep 2018 16:59
 Operator : SJ/JU
 Sample : SSTDICC1.6
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 24 17:40:12 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE092418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 24 16:35:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	786	0.40	ng	-0.01
7) Naphthalene-d8	10.12	136	3808	0.40	ng	-0.01
13) Acenaphthene-d10	13.99	164	2502	0.40	ng	-0.01
19) Phenanthrene-d10	16.75	188	7661	0.40	ng	0.00
27) Chrysene-d12	20.97	240	9257	0.40	ng	0.00
34) Perylene-d12	23.20	264	8072	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.04	112	3229	1.37	ng	-0.01
5) Phenol-d6	6.58	99	4484	1.49	ng	-0.04
8) Nitrobenzene-d5	8.51	82	4290	1.46	ng	-0.04
11) 2-Methylnaphthalene-d10	11.71	152	8899	1.70	ng	-0.02
14) 2,4,6-Tribromophenol	15.51	330	1909	1.84	ng	-0.02
15) 2-Fluorobiphenyl	12.61	172	13224	1.50	ng	-0.02
25) Fluoranthene-d10	18.79	212	141401	1.44	ng	-0.01
29) Terphenyl-d14	19.41	244	28840	1.70	ng	0.00

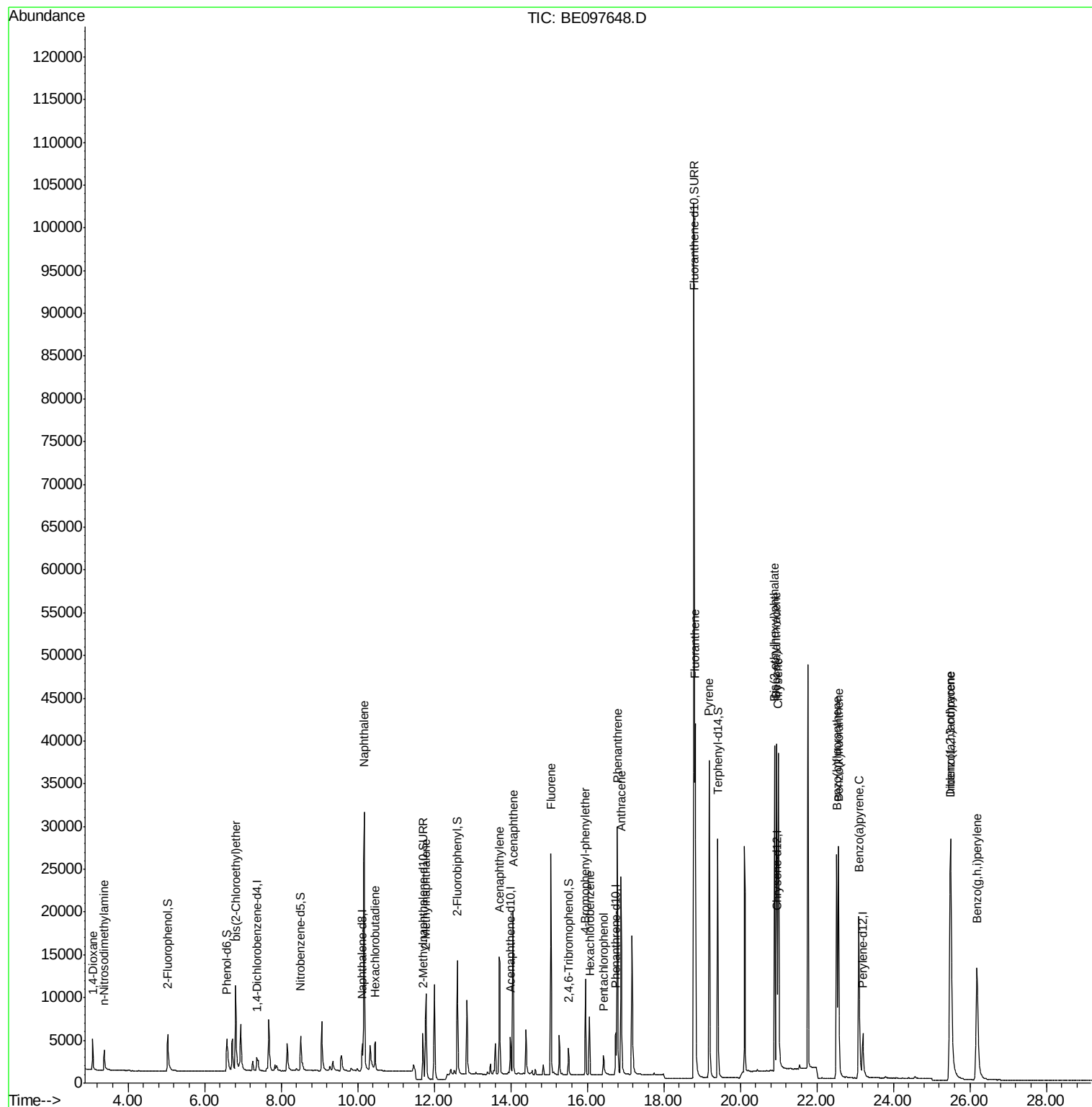
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.07	88	1983	1.427	ng	# 86
3) n-Nitrosodimethylamine	3.37	42	1661	1.354	ng	# 92
6) bis(2-Chloroethyl)ether	6.81	93	4121	1.475	ng	88
9) Naphthalene	10.17	128	54820	1.599	ng	99
10) Hexachlorobutadiene	10.46	225	2437	1.542	ng	98
12) 2-Methylnaphthalene	11.78	142	9138	1.708	ng	98
16) Acenaphthylene	13.70	152	17141	1.733	ng	100
17) Acenaphthene	14.06	154	10813	1.630	ng	96
18) Fluorene	15.05	166	15021	1.738	ng	# 79
20) 4-Bromophenyl-phenylether	15.95	248	5764	1.669	ng	89
21) Hexachlorobenzene	16.07	284	6211	1.636	ng	# 84
22) Pentachlorophenol	16.43	266	1759	1.323	ng	# 74
23) Phenanthrene	16.79	178	30113	1.656	ng	99
24) Anthracene	16.88	178	27055	1.683	ng	96
26) Fluoranthene	18.83	202	37742	1.496	ng	99
28) Pyrene	19.19	202	38023	1.805	ng	99
30) Benzo(a)anthracene	20.94	228	38336	1.645	ng	97
31) Chrysene	20.99	228	38841	1.554	ng	98
32) Bis(2-ethylhexyl)phthalate	20.89	149	42716	0.920	ng	99
33) Indeno(1,2,3-cd)pyrene	25.49	276	43641	1.450	ng	# 93
35) Benzo(b)fluoranthene	22.52	252	34934	1.688	ng	# 86
36) Benzo(k)fluoranthene	22.56	252	39950	1.690	ng	97
37) Benzo(a)pyrene	23.10	252	33131	1.559	ng	# 92
38) Dibenzo(a,h)anthracene	25.50	278	36470	1.681	ng	# 93
39) Benzo(g,h,i)perylene	26.18	276	35537	1.684	ng	# 89

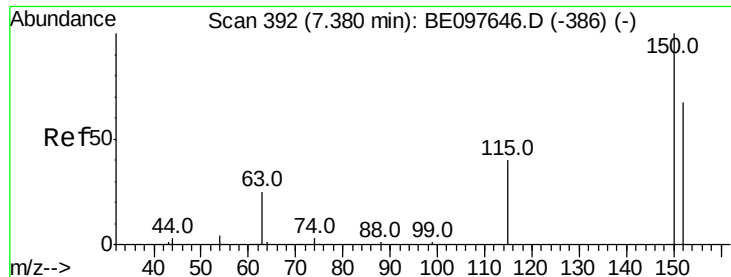
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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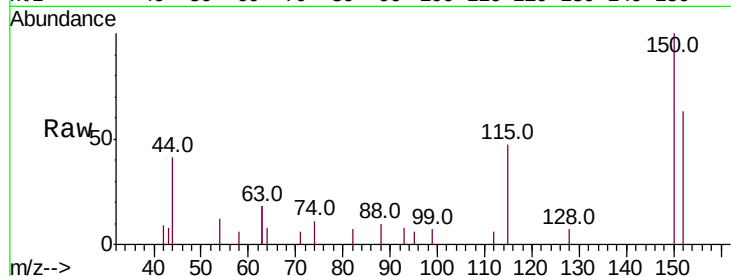


#1

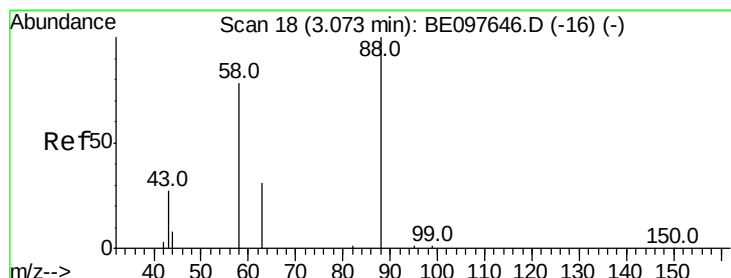
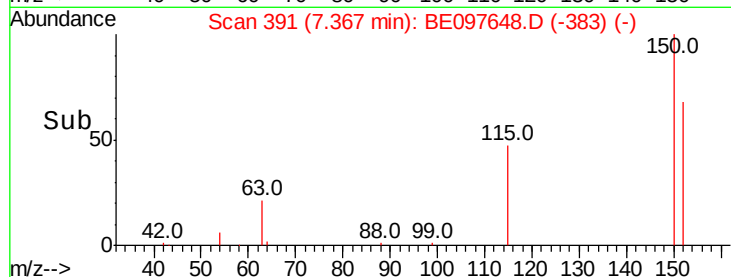
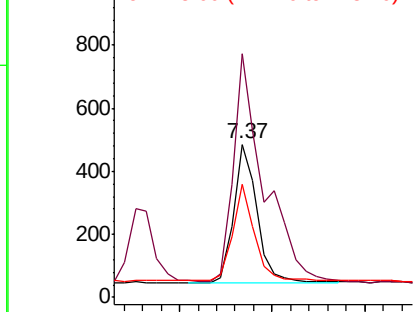
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.37 min Scan# 391
Delta R.T. -0.01 min
Lab File: BE097648.D
Acq: 24 Sep 2018 16:59

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 786
Ion Ratio Lower Upper
152 100
150 158.8 117.2 175.8
115 74.1 57.0 85.6



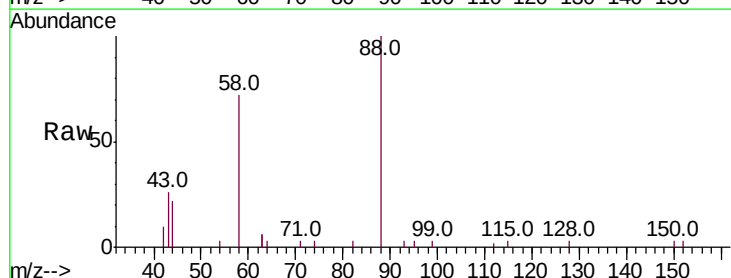
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



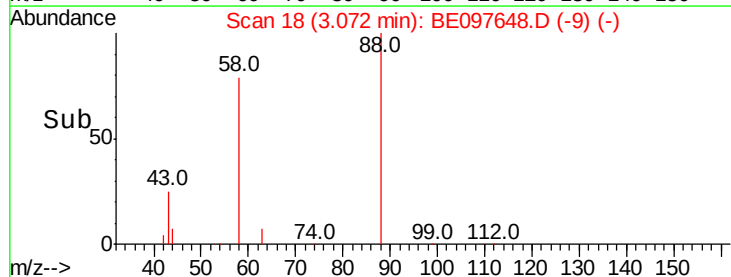
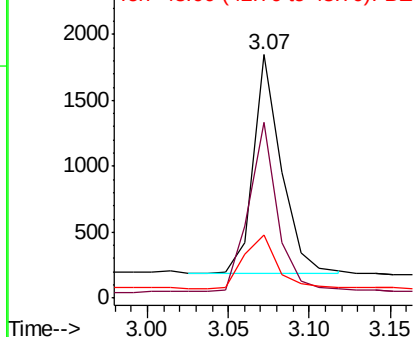
#2

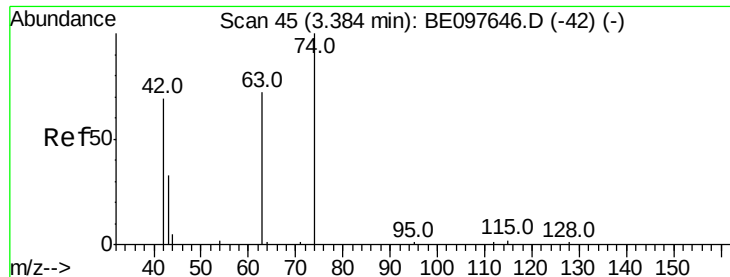
1,4-Dioxane
Concen: 1.427 ng
RT: 3.07 min Scan# 18
Delta R.T. -0.00 min
Lab File: BE097648.D
Acq: 24 Sep 2018 16:59

Tgt Ion: 88 Resp: 1983
Ion Ratio Lower Upper
88 100
58 80.8 63.2 94.8
43 28.5 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: 1.354 ng

RT: 3.37 min Scan# 44

Delta R.T. -0.01 min

Lab File: BE097648.D

Acq: 24 Sep 2018 16:59

Instrument :

BNA_E

ClientSampleId :

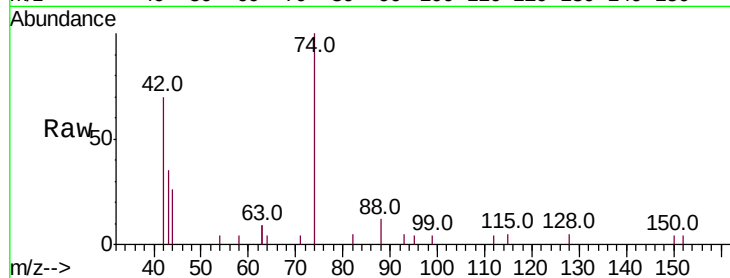
Tot Ion: 42 Resp: 1661

Ion Ratio Lower Upper

42 100

74 128.3 96.0 144.0

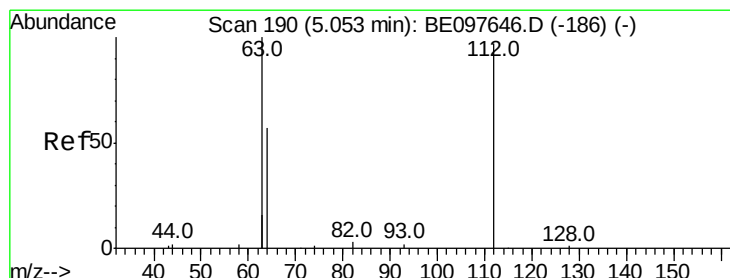
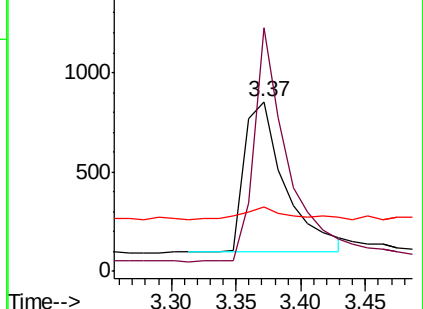
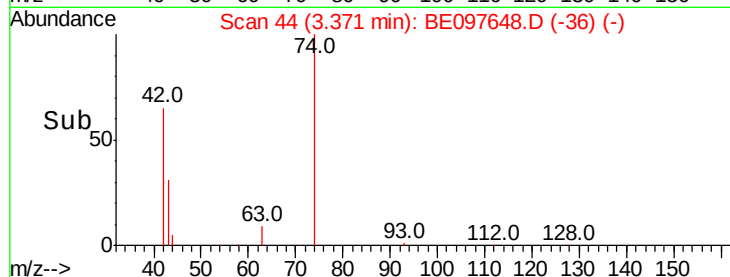
44 9.3 12.0 18.0#



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: 1.371 ng

RT: 5.04 min Scan# 189

Delta R.T. -0.01 min

Lab File: BE097648.D

Acq: 24 Sep 2018 16:59

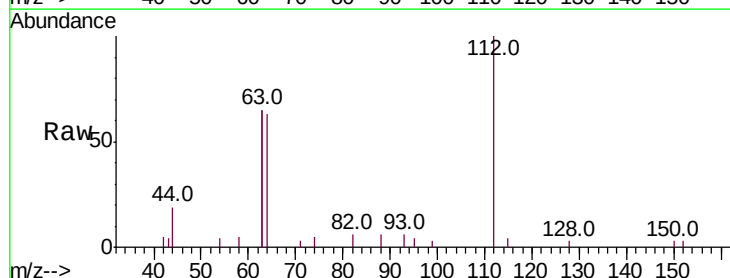
Tgt Ion: 112 Resp: 3229

Ion Ratio Lower Upper

112 100

64 67.0 60.1 90.1

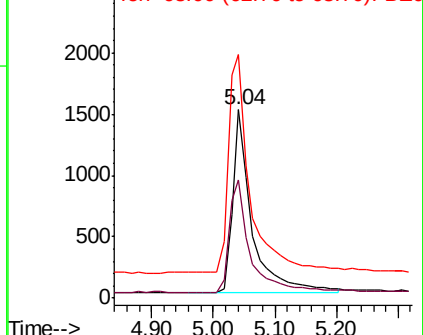
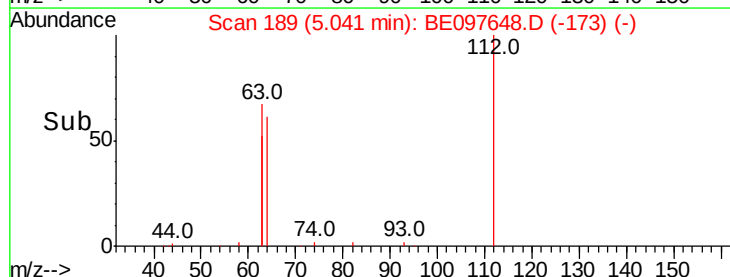
63 133.0 116.8 175.2

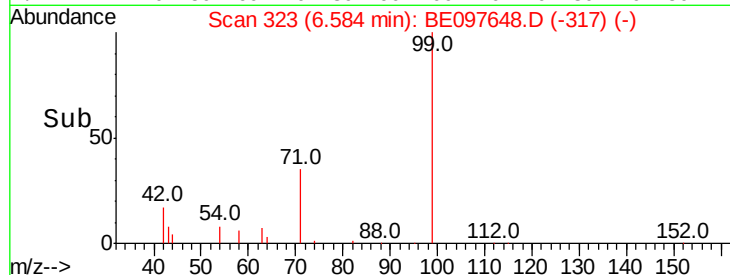
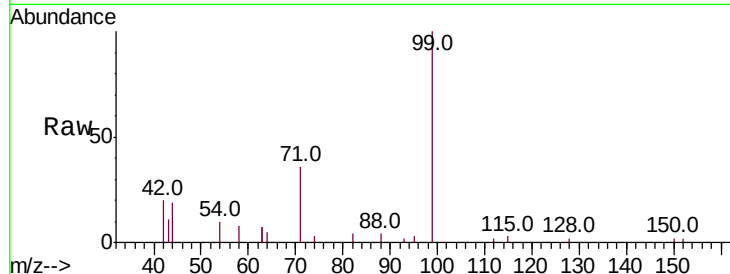
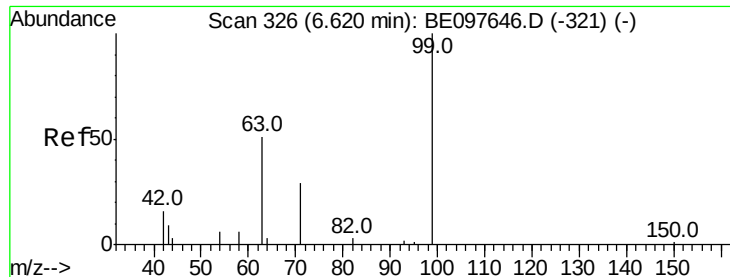


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 1.489 ng

RT: 6.58 min Scan# 323

Delta R.T. -0.04 min

Lab File: BE097648.D

Acq: 24 Sep 2018 16:59

Instrument :

BNA_E

ClientSampled :

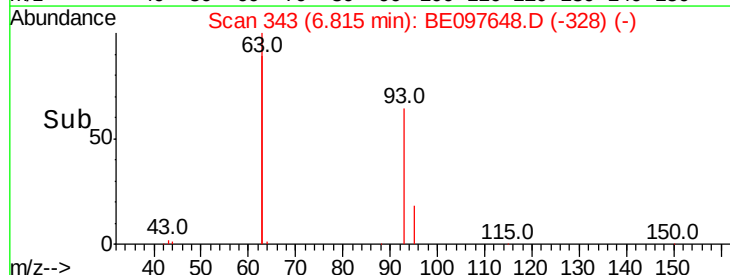
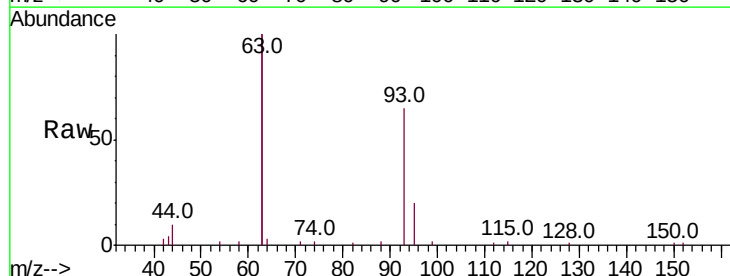
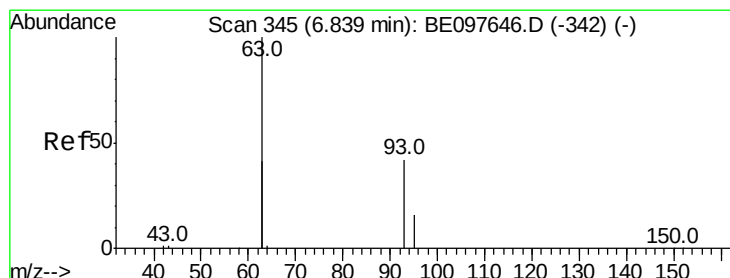
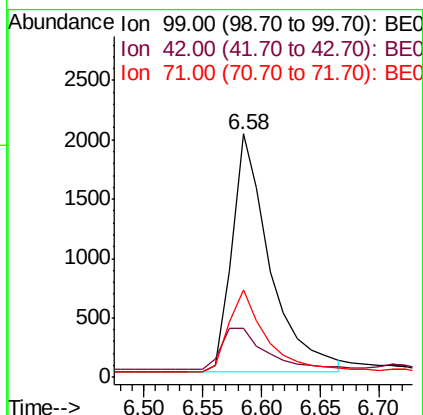
Tot Ion: 99 Resp: 4484

Ion Ratio Lower Upper

99 100

42 19.8 20.2 30.2#

71 33.6 28.4 42.6



#6

bis(2-Chloroethyl)ether

Concen: 1.475 ng

RT: 6.81 min Scan# 343

Delta R.T. -0.02 min

Lab File: BE097648.D

Acq: 24 Sep 2018 16:59

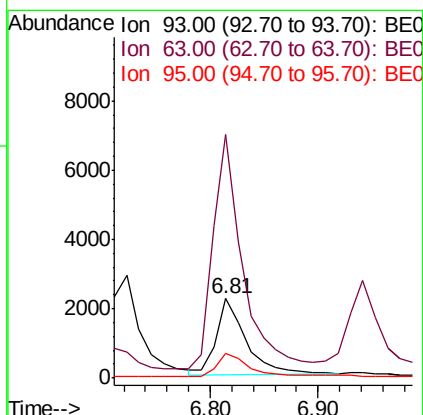
Tgt Ion: 93 Resp: 4121

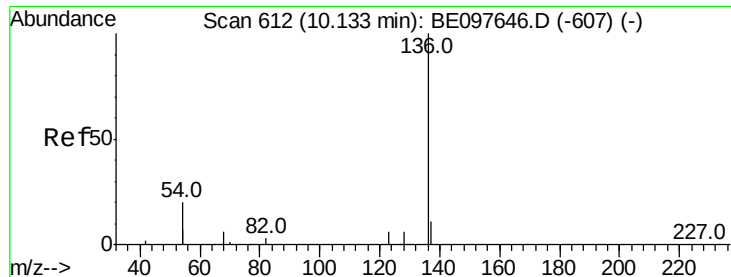
Ion Ratio Lower Upper

93 100

63 315.3 275.3 412.9

95 32.0 25.2 37.8





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.12 min Scan# 611

Delta R.T. -0.01 min

Lab File: BE097648.D

Acq: 24 Sep 2018 16:59

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 3808

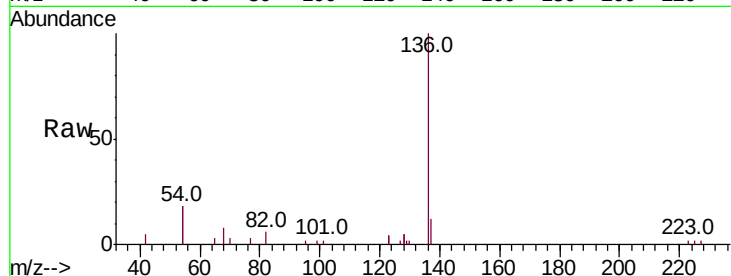
Ion Ratio Lower Upper

136 100

137 12.4 9.5 14.3

54 36.8 29.1 43.7

68 7.9 6.2 9.2

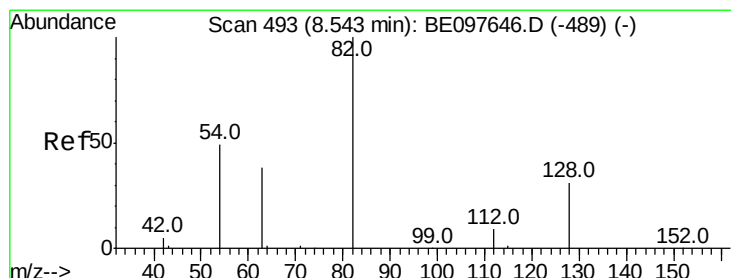
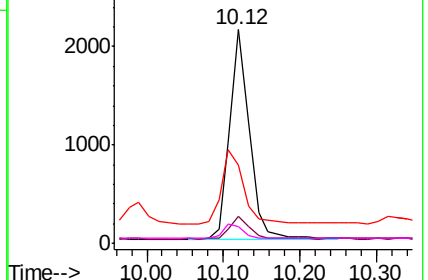
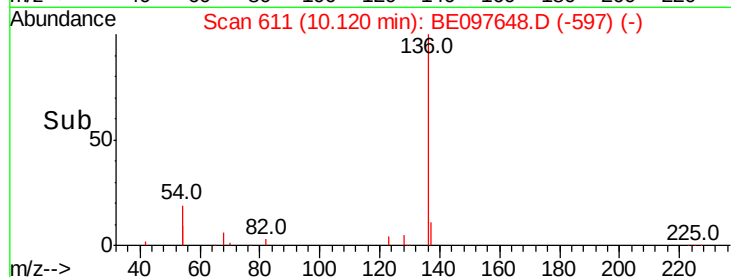


Abundance Ion 136.00 (135.70 to 136.70): E

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: 1.458 ng

RT: 8.51 min Scan# 490

Delta R.T. -0.04 min

Lab File: BE097648.D

Acq: 24 Sep 2018 16:59

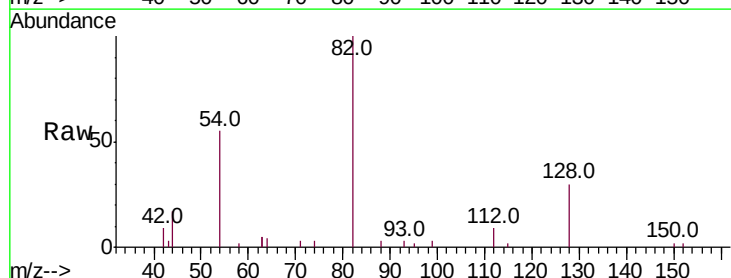
Tgt Ion: 82 Resp: 4290

Ion Ratio Lower Upper

82 100

128 30.0 24.0 36.0

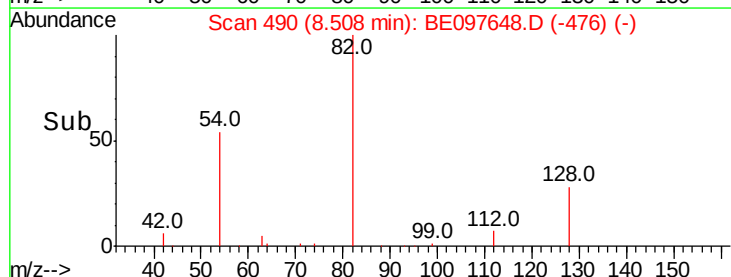
54 55.5 40.0 60.0



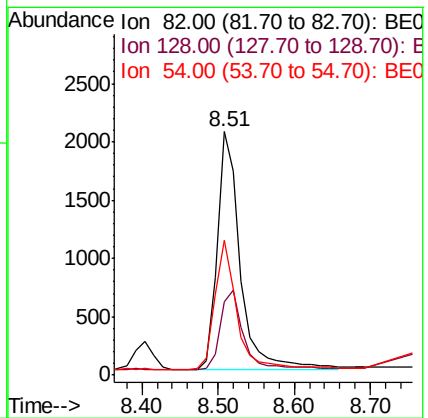
Abundance Ion 82.00 (81.70 to 82.70): BE0

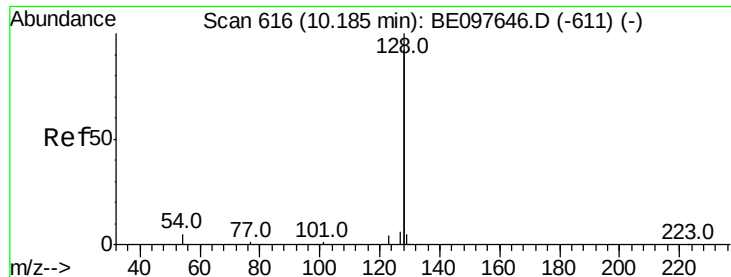
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



Time-->





#9

Naphthalene

Concen: 1.599 ng

RT: 10.17 min Scan# 615

Delta R.T. -0.01 min

Lab File: BE097648.D

Acq: 24 Sep 2018 16:59

Instrument :

BNA_E

ClientSampleId :

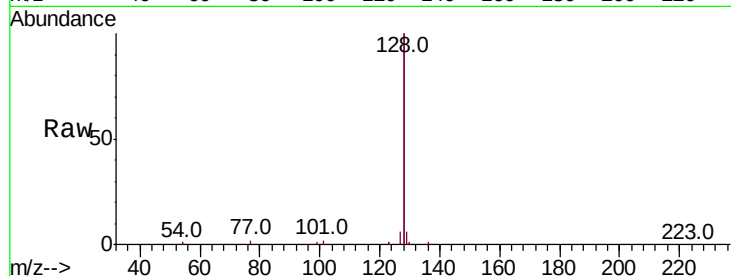
Tot Ion:128 Resp: 54820

Ion Ratio Lower Upper

128 100

129 2.9 2.6 3.8

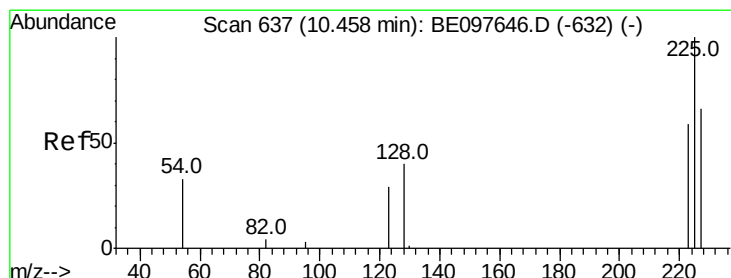
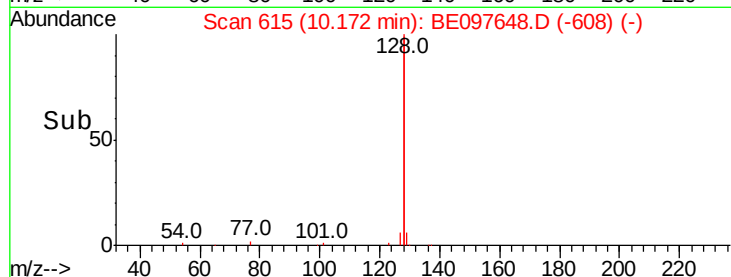
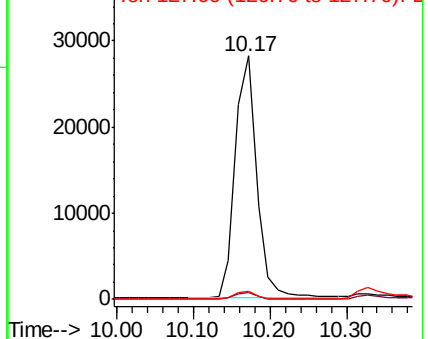
127 3.2 2.8 4.2



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: 1.542 ng

RT: 10.46 min Scan# 637

Delta R.T. -0.00 min

Lab File: BE097648.D

Acq: 24 Sep 2018 16:59

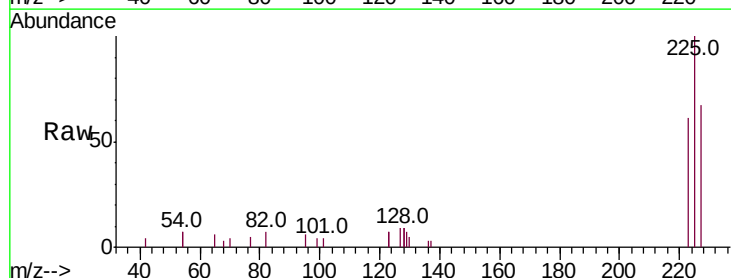
Tgt Ion:225 Resp: 2437

Ion Ratio Lower Upper

225 100

223 63.0 53.0 79.6

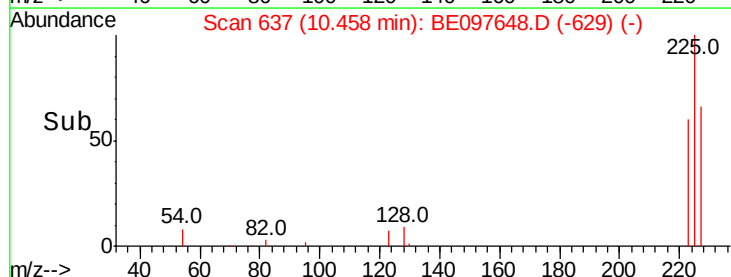
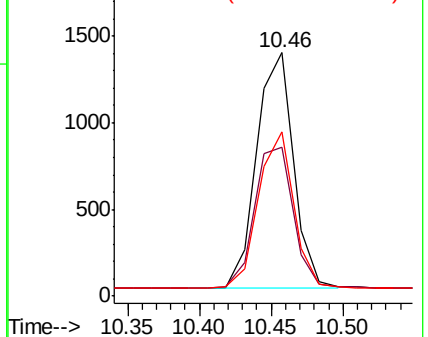
227 64.1 51.4 77.2

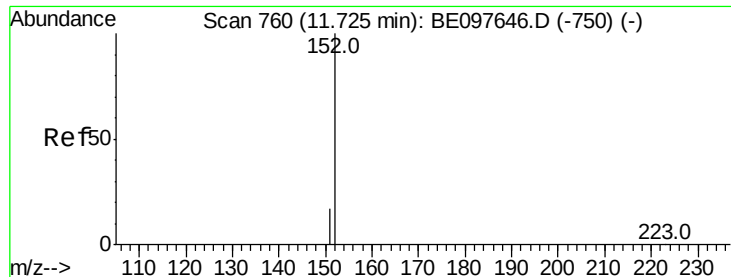


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

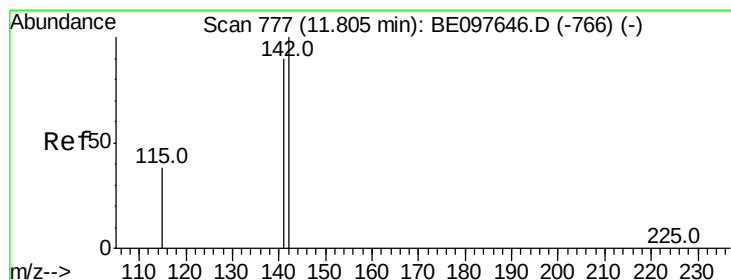
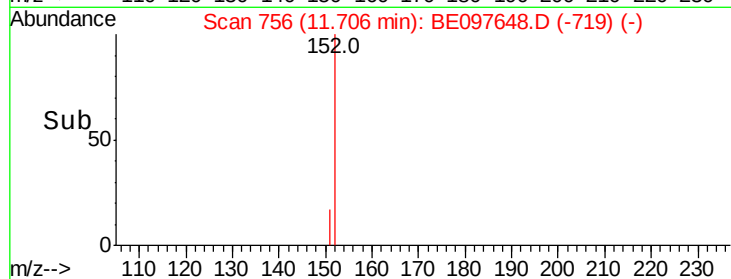
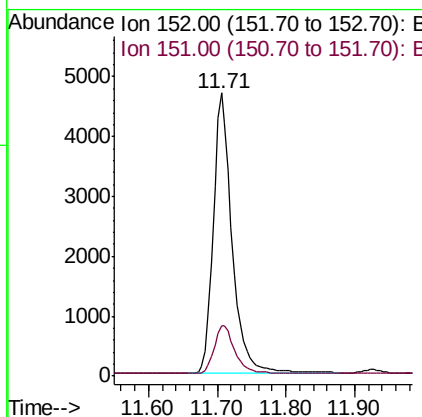
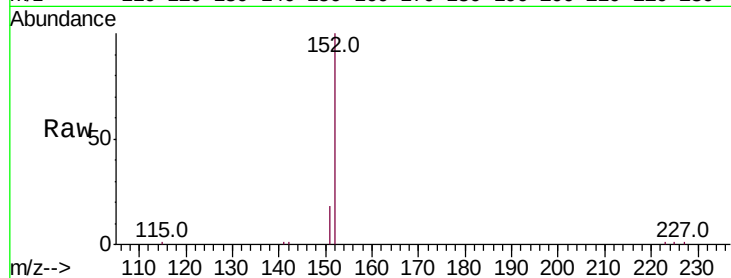




#11
 2-Methylnaphthalene-d10
 Concen: 1.695 ng
 RT: 11.71 min Scan# 756
 Delta R.T. -0.02 min
 Lab File: BE097648.D
 Acq: 24 Sep 2018 16:59

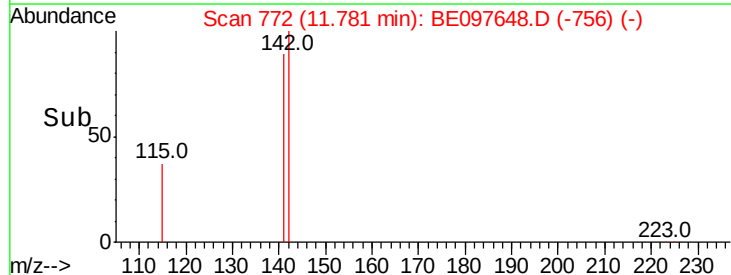
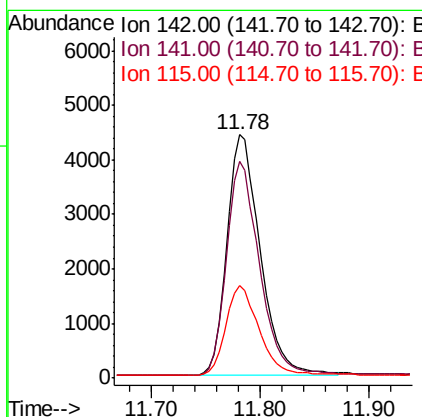
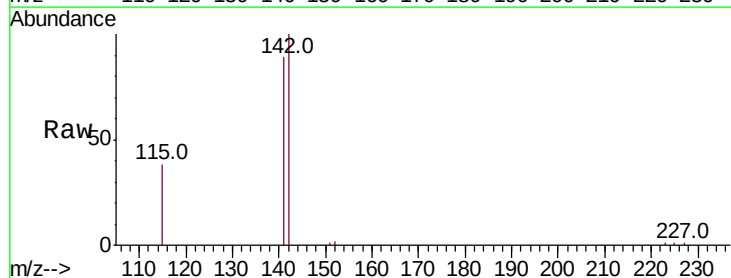
Instrument :
 BNA_E
 ClientSampled :

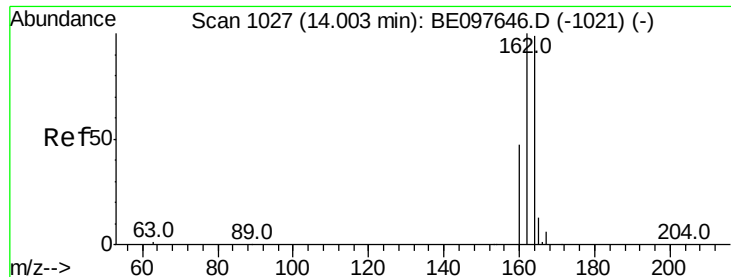
Tot Ion:152 Resp: 8899
 Ion Ratio Lower Upper
 152 100
 151 18.6 15.4 23.0



#12
 2-Methylnaphthalene
 Concen: 1.708 ng
 RT: 11.78 min Scan# 772
 Delta R.T. -0.02 min
 Lab File: BE097648.D
 Acq: 24 Sep 2018 16:59

Tgt Ion:142 Resp: 9138
 Ion Ratio Lower Upper
 142 100
 141 89.1 70.4 105.6
 115 38.1 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 13.99 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BE097648.D

Acq: 24 Sep 2018 16:59

Instrument :

BNA_E

ClientSampleId :

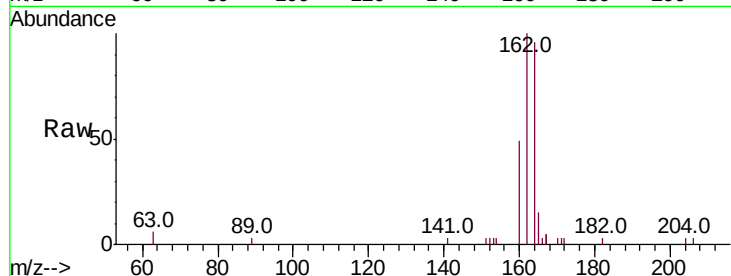
Tot Ion:164 Resp: 2502

Ion Ratio Lower Upper

164 100

162 104.0 83.1 124.7

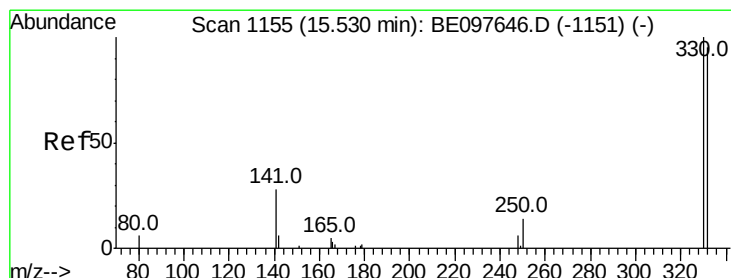
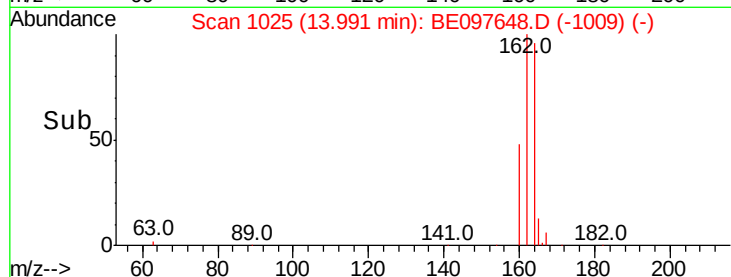
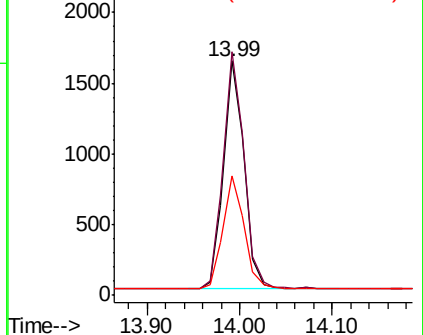
160 50.9 37.1 55.7



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: 1.836 ng

RT: 15.51 min Scan# 1152

Delta R.T. -0.02 min

Lab File: BE097648.D

Acq: 24 Sep 2018 16:59

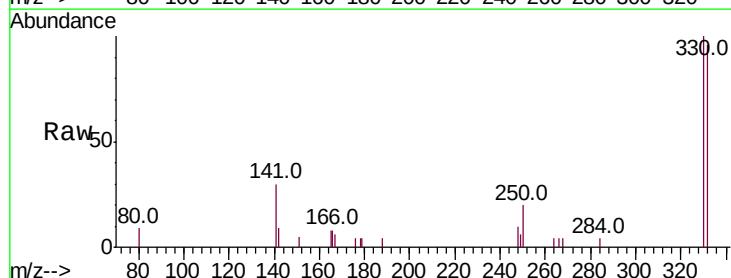
Tgt Ion:330 Resp: 1909

Ion Ratio Lower Upper

330 100

332 98.0 152.7 229.1#

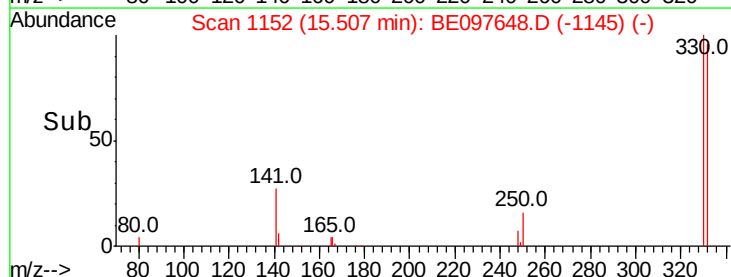
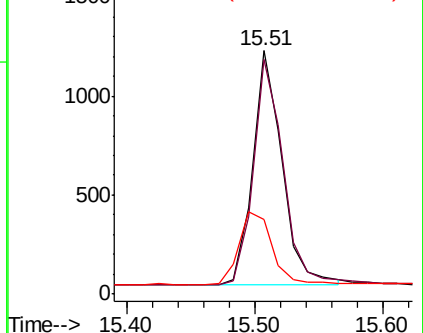
141 34.9 33.7 50.5

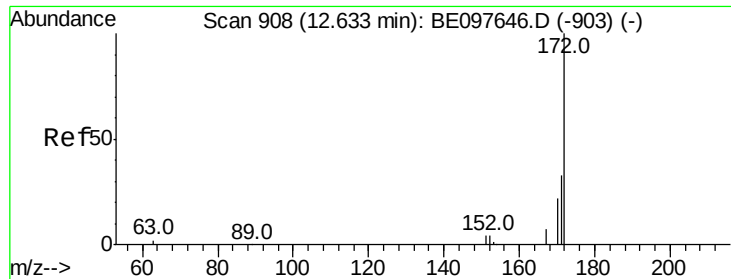


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

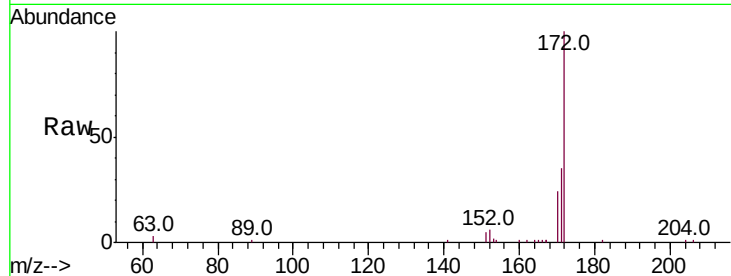




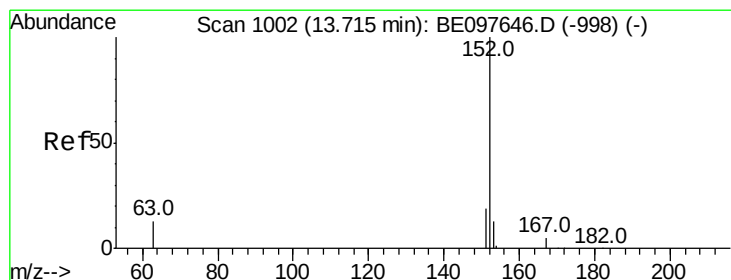
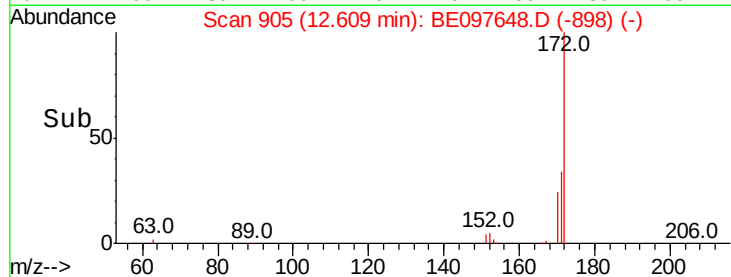
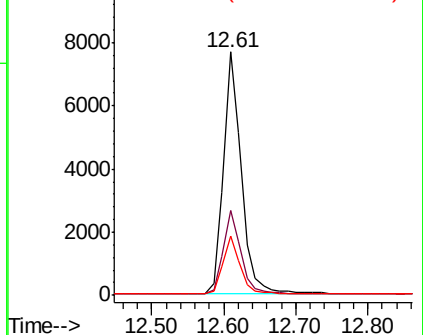
#15
2-Fluorobiphenyl
Concen: 1.496 ng
RT: 12.61 min Scan# 905
Delta R.T. -0.02 min
Lab File: BE097648.D
Acq: 24 Sep 2018 16:59

Instrument :
BNA_E
ClientSampled :

Tot Ion:172 Resp: 13224
Ion Ratio Lower Upper
172 100
171 34.7 29.9 44.9
170 24.1 21.8 32.8

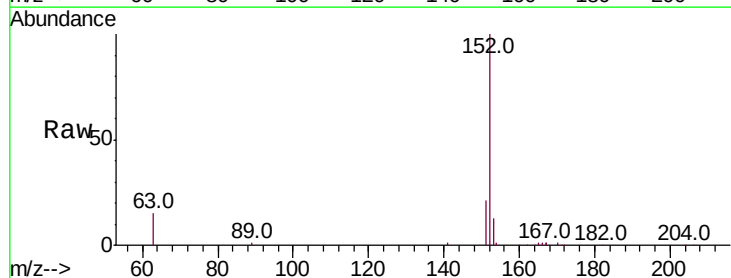


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

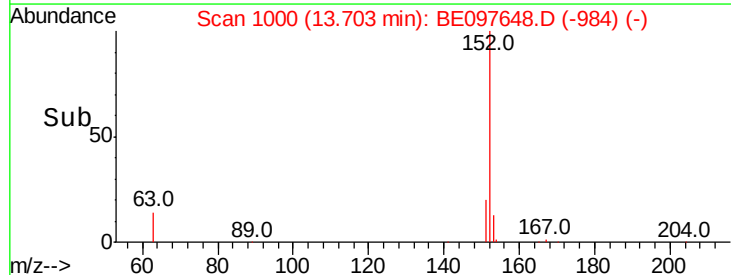
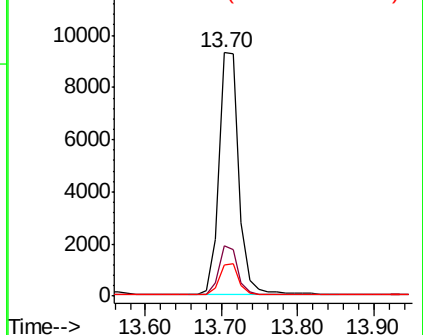


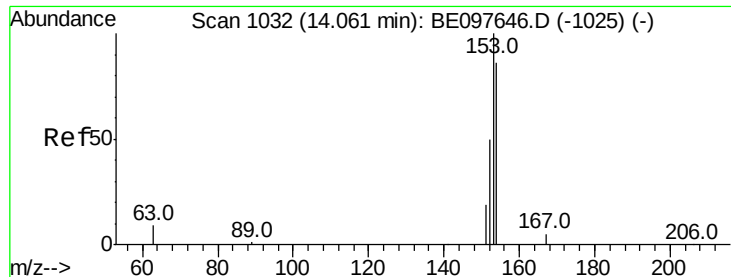
#16
Acenaphthylene
Concen: 1.733 ng
RT: 13.70 min Scan# 1000
Delta R.T. -0.01 min
Lab File: BE097648.D
Acq: 24 Sep 2018 16:59

Tgt Ion:152 Resp: 17141
Ion Ratio Lower Upper
152 100
151 19.5 15.7 23.5
153 12.9 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

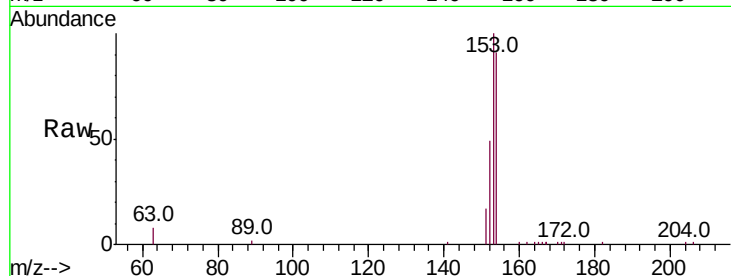




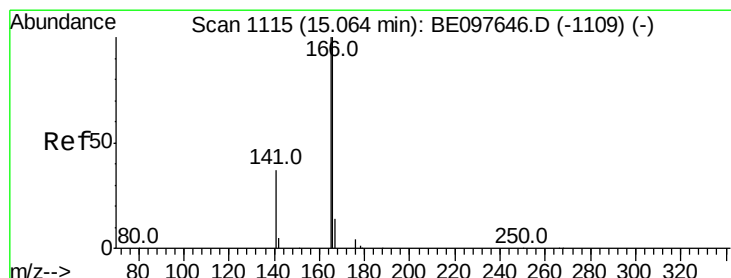
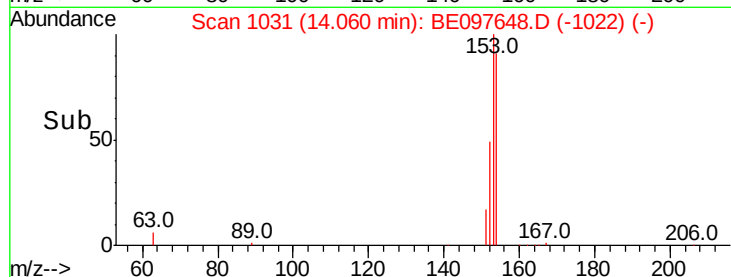
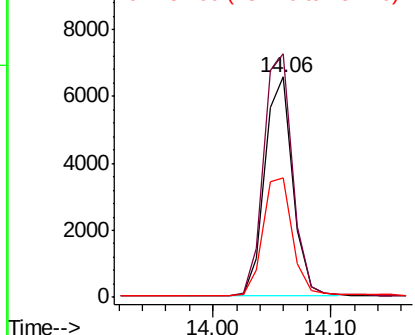
#17
Acenaphthene
Concen: 1.630 ng
RT: 14.06 min Scan# 1031
Delta R.T. -0.00 min
Lab File: BE097648.D
Acq: 24 Sep 2018 16:59

Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 10813
Ion Ratio Lower Upper
154 100
153 114.3 89.2 133.8
152 57.1 42.0 63.0

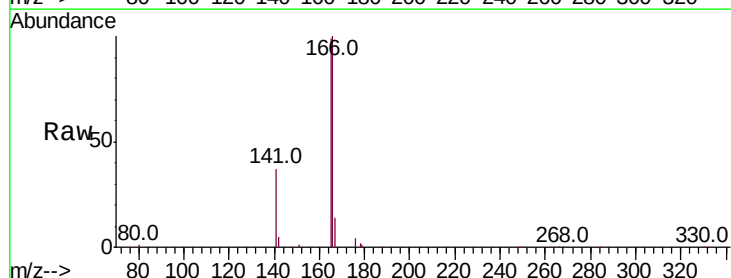


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

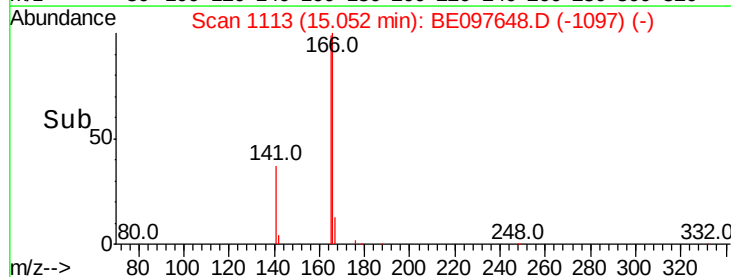
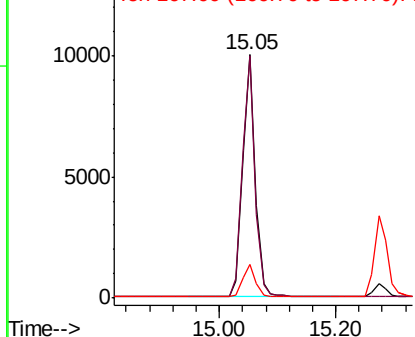


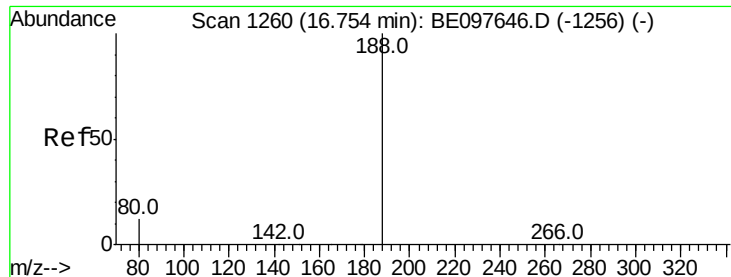
#18
Fluorene
Concen: 1.738 ng
RT: 15.05 min Scan# 1113
Delta R.T. -0.01 min
Lab File: BE097648.D
Acq: 24 Sep 2018 16:59

Tgt Ion:166 Resp: 15021
Ion Ratio Lower Upper
166 100
165 99.6 77.8 116.6
167 13.6 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: BE097648.D

Acq: 24 Sep 2018 16:59

Instrument :

BNA_E

ClientSampleId :

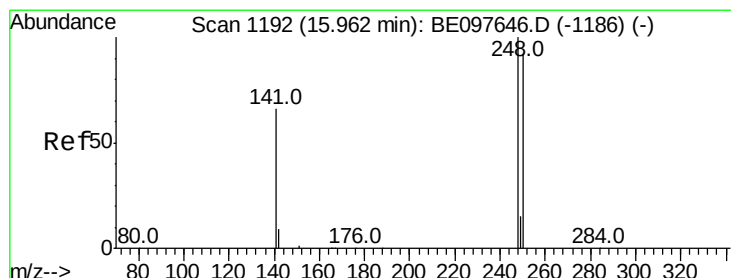
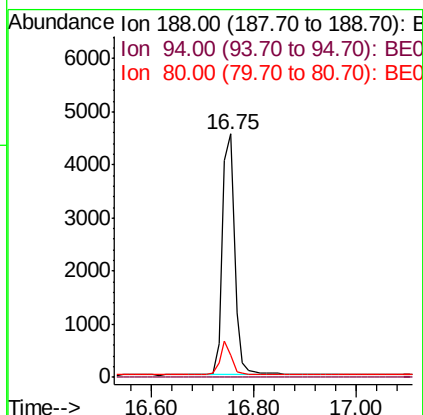
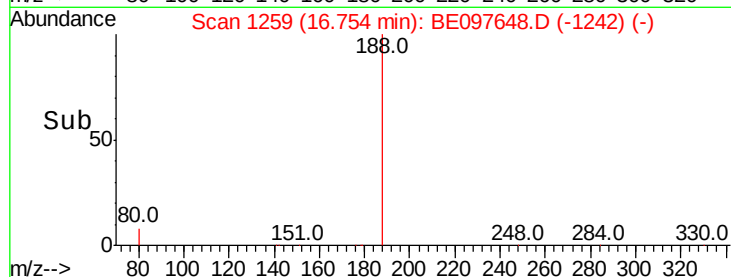
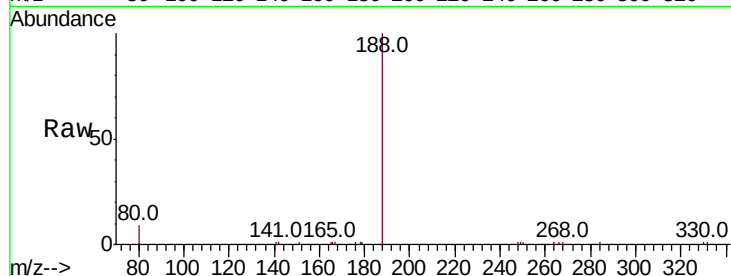
Tot Ion:188 Resp: 7661

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 9.0 3.6 5.4#



#20

4-Bromophenyl-phenylether

Concen: 1.669 ng

RT: 15.95 min Scan# 1190

Delta R.T. -0.01 min

Lab File: BE097648.D

Acq: 24 Sep 2018 16:59

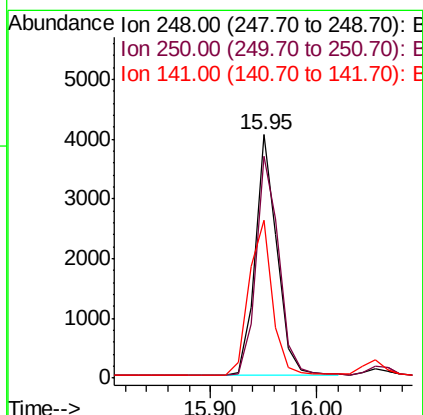
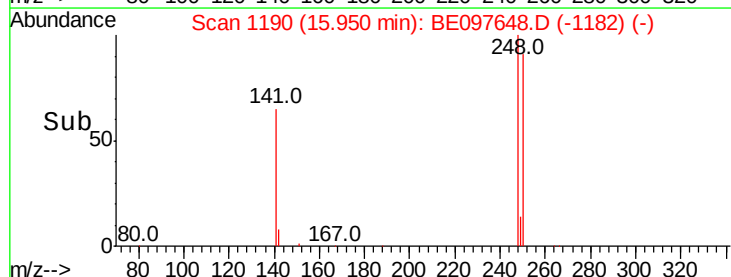
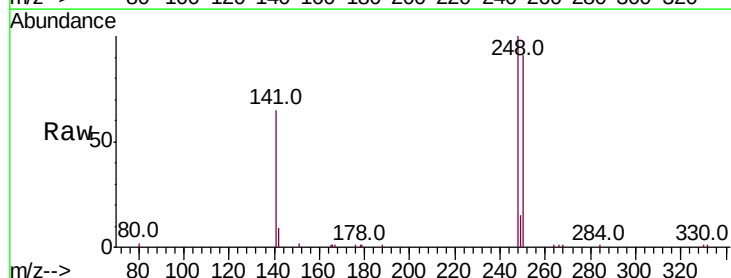
Tgt Ion:248 Resp: 5764

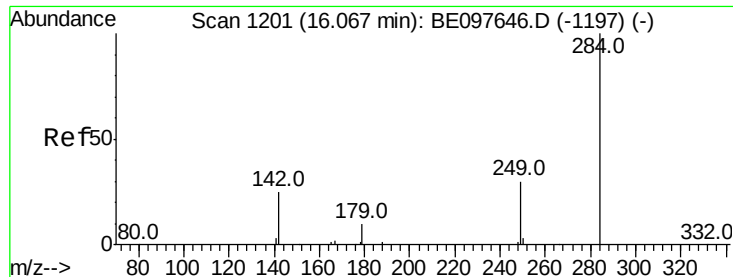
Ion Ratio Lower Upper

248 100

250 91.2 62.7 94.1

141 65.0 48.2 72.2

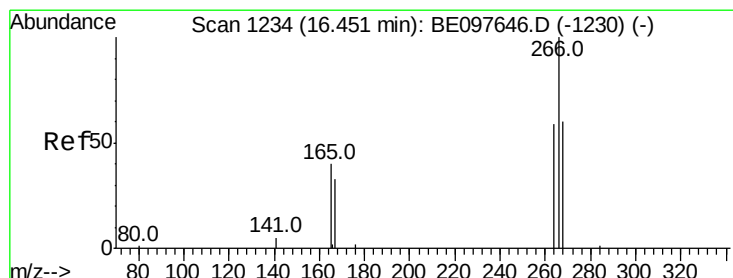
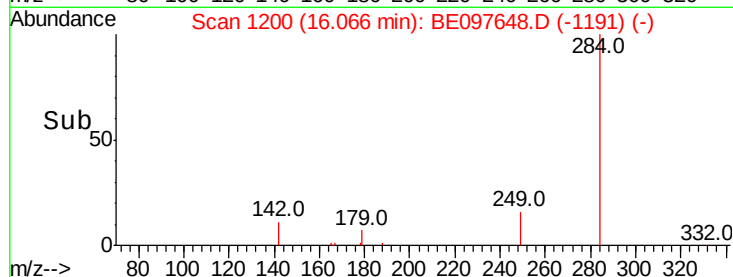
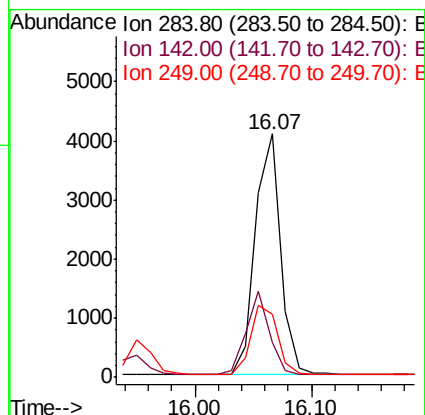
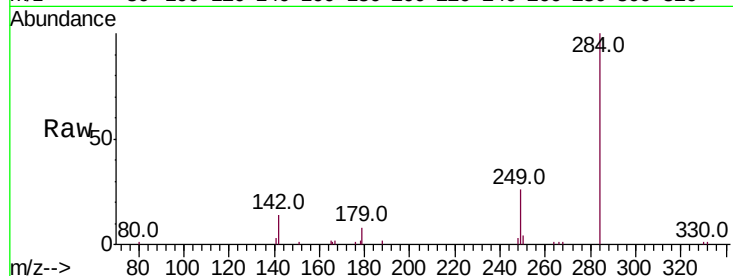




#21
Hexachlorobenzene
Concen: 1.636 ng
RT: 16.07 min Scan# 1200
Delta R.T. -0.00 min
Lab File: BE097648.D
Acq: 24 Sep 2018 16:59

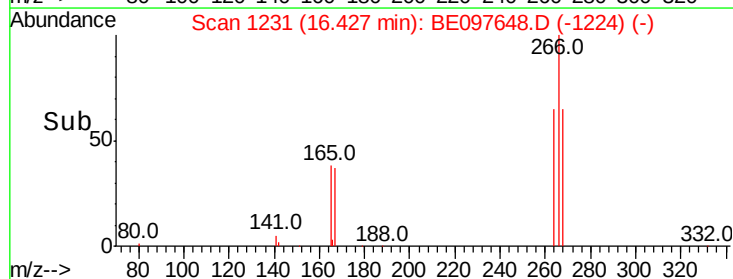
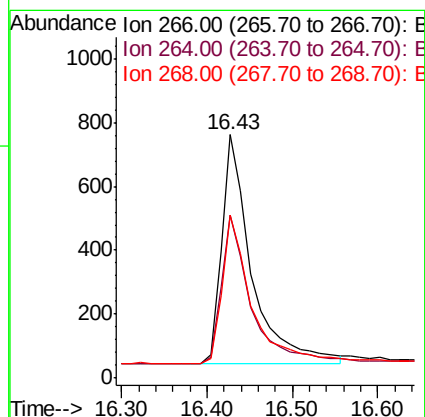
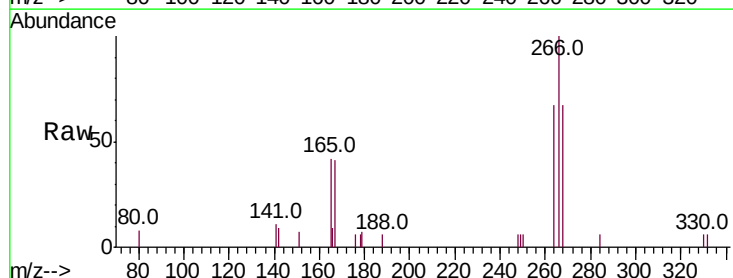
Instrument :
BNA_E
ClientSampleId :

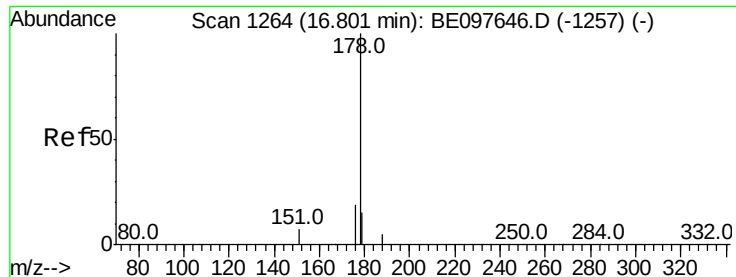
Tot Ion:284 Resp: 6211
Ion Ratio Lower Upper
284 100
142 31.8 22.1 33.1
249 30.5 34.8 52.2#



#22
Pentachlorophenol
Concen: 1.323 ng
RT: 16.43 min Scan# 1231
Delta R.T. -0.02 min
Lab File: BE097648.D
Acq: 24 Sep 2018 16:59

Tgt Ion:266 Resp: 1759
Ion Ratio Lower Upper
266 100
264 67.2 72.5 108.7#
268 67.1 73.8 110.6#





#23

Phenanthrene

Concen: 1.656 ng

RT: 16.79 min Scan# 1262

Delta R.T. -0.01 min

Lab File: BE097648.D

Acq: 24 Sep 2018 16:59

Instrument :

BNA_E

ClientSampled :

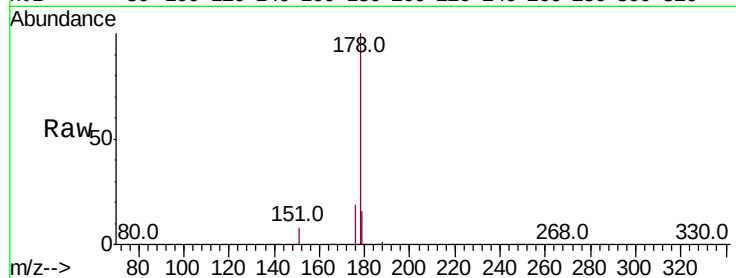
Tot Ion:178 Resp: 30113

Ion Ratio Lower Upper

178 100

176 19.0 15.1 22.7

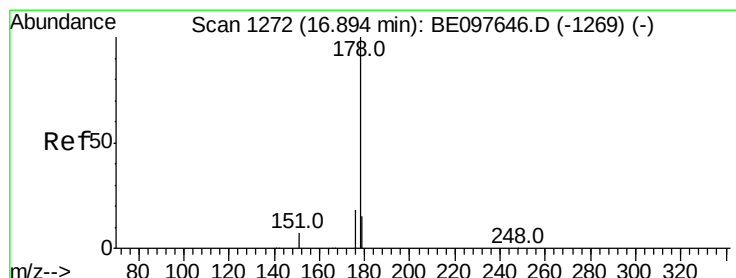
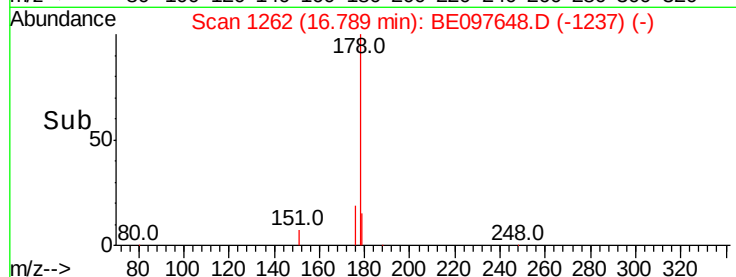
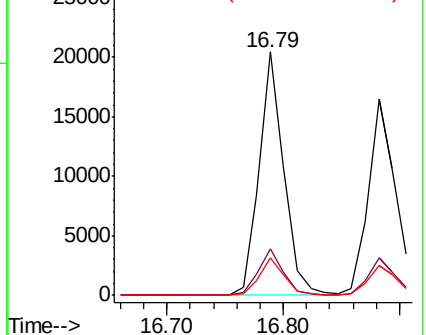
179 15.4 11.8 17.6



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: 1.683 ng

RT: 16.88 min Scan# 1270

Delta R.T. -0.01 min

Lab File: BE097648.D

Acq: 24 Sep 2018 16:59

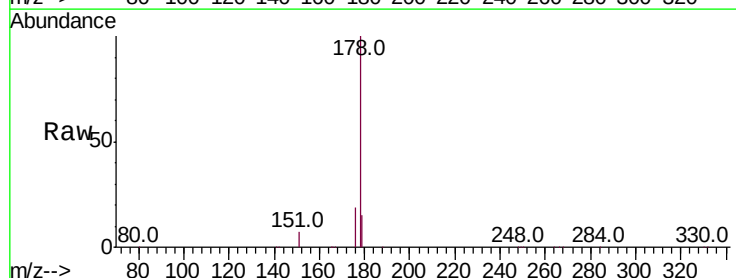
Tgt Ion:178 Resp: 27055

Ion Ratio Lower Upper

178 100

176 18.5 12.8 19.2

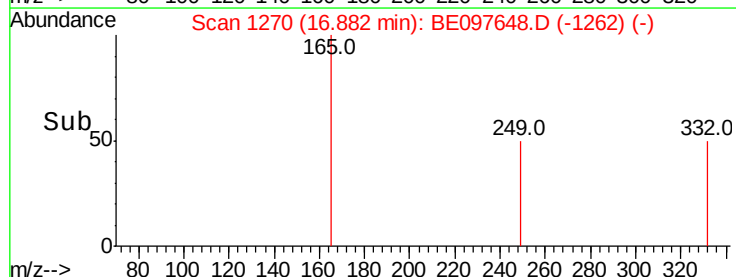
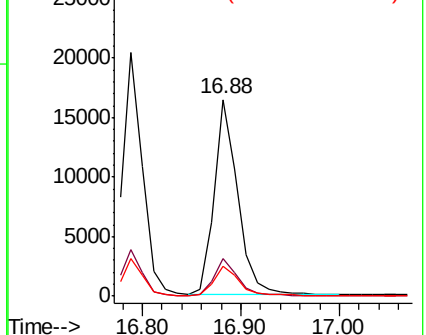
179 15.1 13.0 19.6

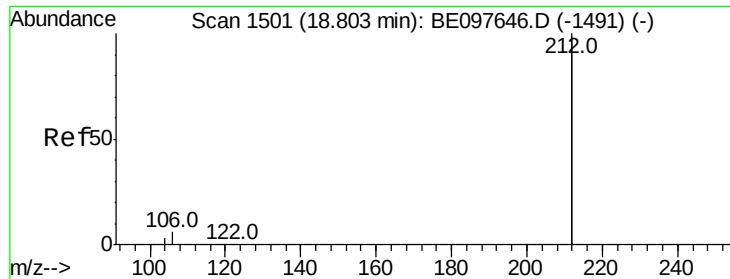


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

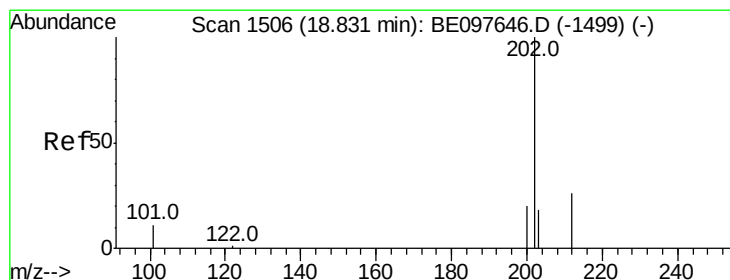
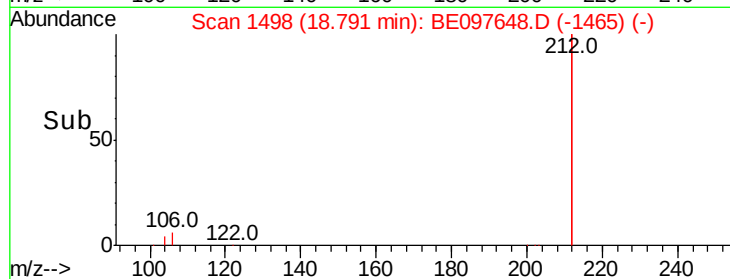
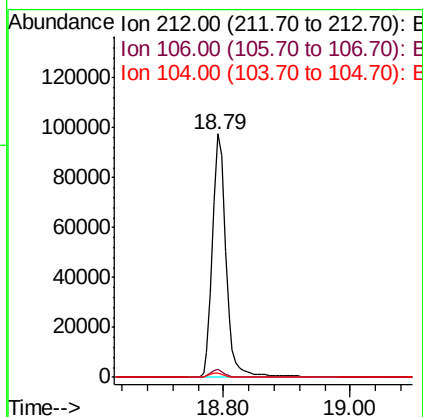
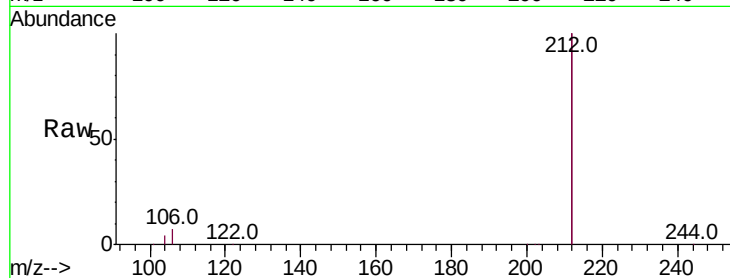




#25
 Fluoranthene-d10
 Concen: 1.442 ng
 RT: 18.79 min Scan# 1498
 Delta R.T. -0.01 min
 Lab File: BE097648.D
 Acq: 24 Sep 2018 16:59

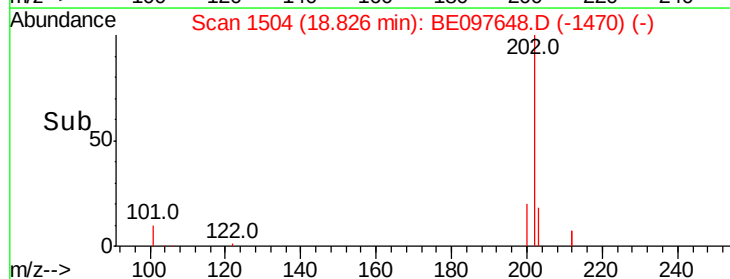
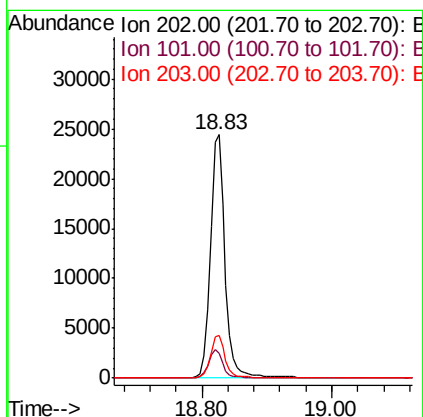
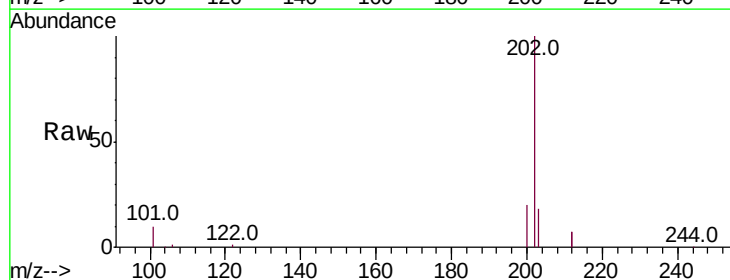
Instrument :
 BNA_E
 ClientSampleId :

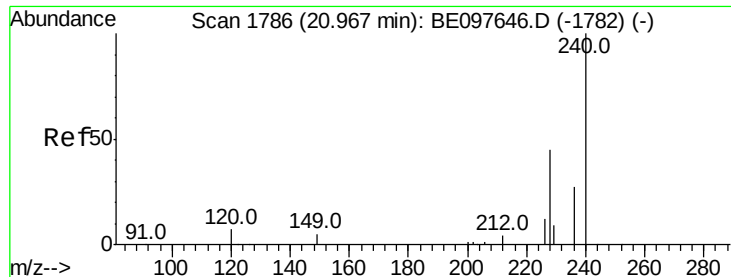
Tot Ion:212 Resp: 141401
 Ion Ratio Lower Upper
 212 100
 106 3.2 2.8 4.2
 104 1.7 1.6 2.4



#26
 Fluoranthene
 Concen: 1.496 ng
 RT: 18.83 min Scan# 1504
 Delta R.T. -0.01 min
 Lab File: BE097648.D
 Acq: 24 Sep 2018 16:59

Tgt Ion:202 Resp: 37742
 Ion Ratio Lower Upper
 202 100
 101 11.4 9.8 14.8
 203 17.4 13.7 20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.97 min Scan# 1785

Delta R.T. 0.00 min

Lab File: BE097648.D

Acq: 24 Sep 2018 16:59

Instrument :

BNA_E

ClientSampleId :

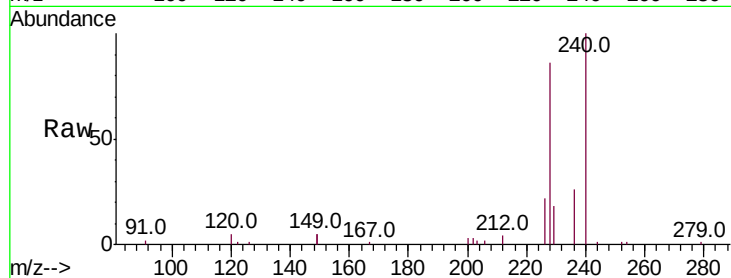
Tot Ion:240 Resp: 9257

Ion Ratio Lower Upper

240 100

120 5.1 5.5 8.3#

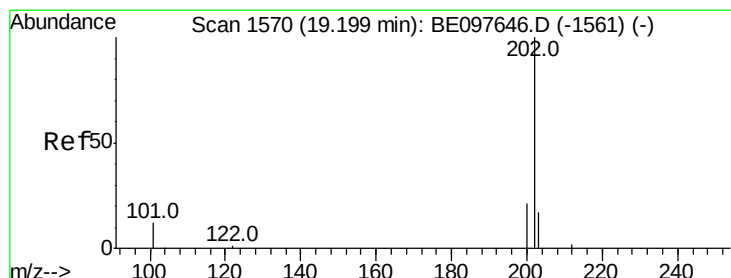
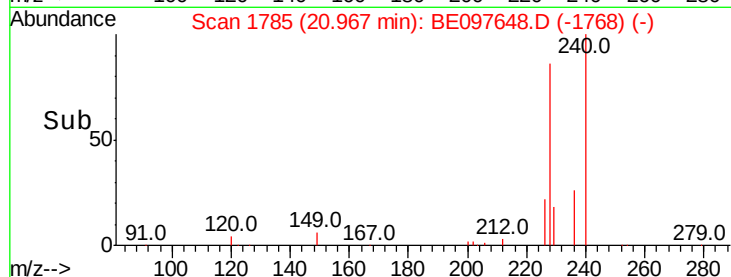
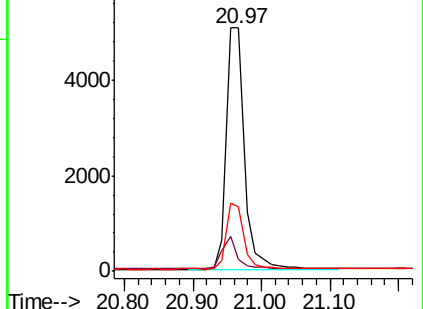
236 26.4 20.7 31.1



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: 1.805 ng

RT: 19.19 min Scan# 1567

Delta R.T. -0.01 min

Lab File: BE097648.D

Acq: 24 Sep 2018 16:59

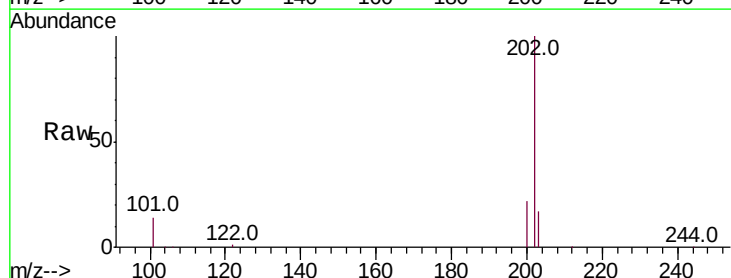
Tgt Ion:202 Resp: 38023

Ion Ratio Lower Upper

202 100

200 21.2 16.6 25.0

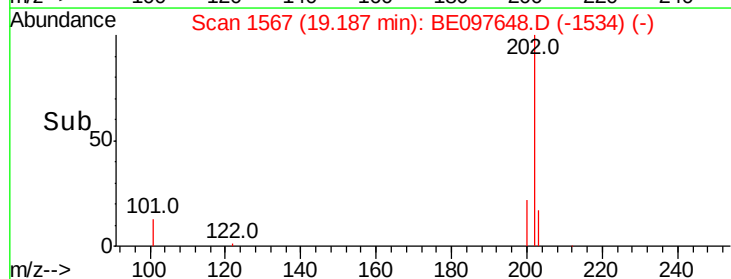
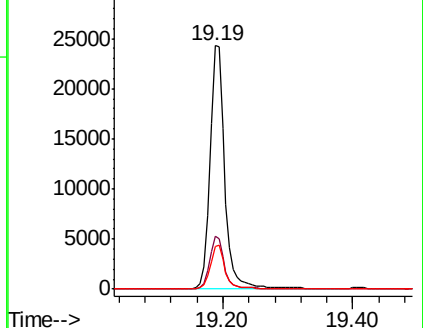
203 17.5 13.8 20.8

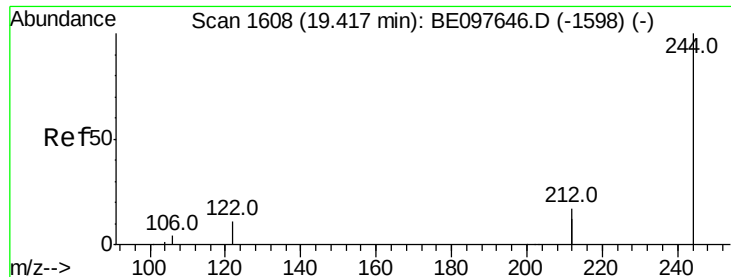


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 1.702 ng

RT: 19.41 min Scan# 1606

Delta R.T. -0.01 min

Lab File: BE097648.D

Acq: 24 Sep 2018 16:59

Instrument :

BNA_E

ClientSampleId :

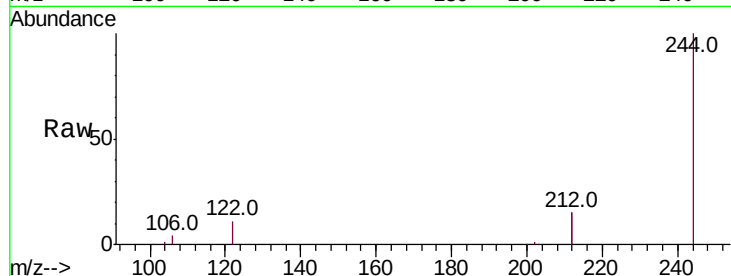
Tot Ion:244 Resp: 28840

Ion Ratio Lower Upper

244 100

212 30.0 25.4 38.0

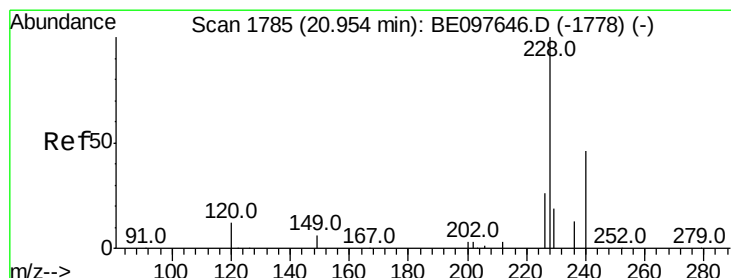
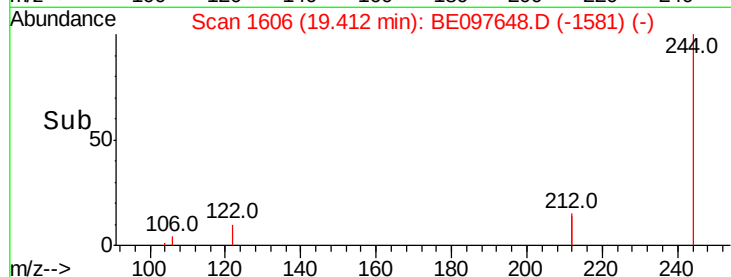
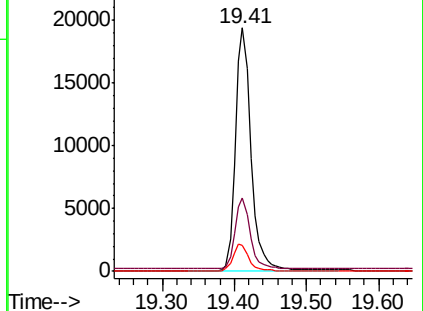
122 10.7 8.1 12.1



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: 1.645 ng

RT: 20.94 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BE097648.D

Acq: 24 Sep 2018 16:59

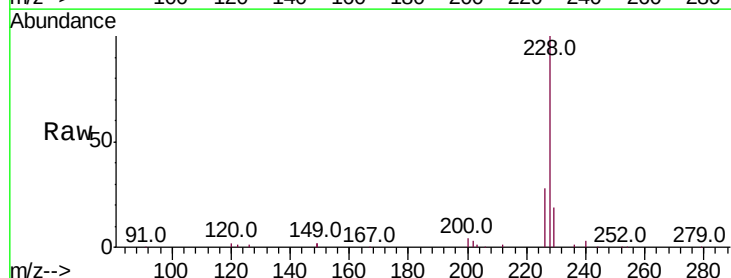
Tgt Ion:228 Resp: 38336

Ion Ratio Lower Upper

228 100

226 27.8 24.0 36.0

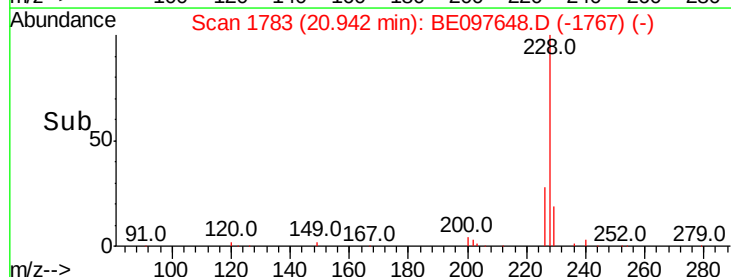
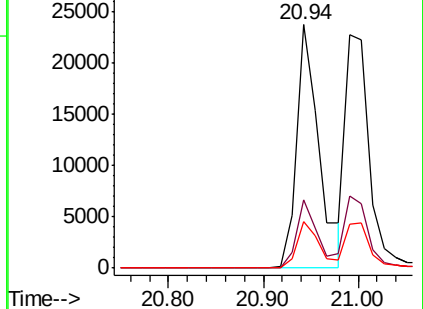
229 19.3 16.0 24.0

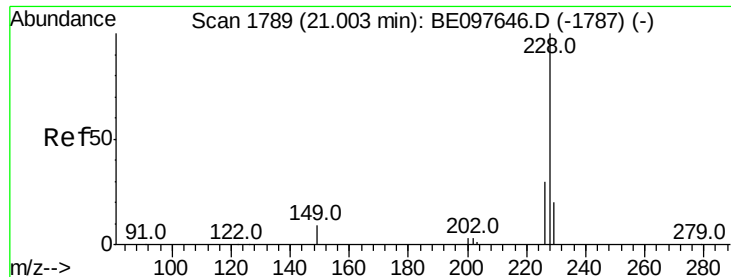


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 1.554 ng

RT: 20.99 min Scan# 1787

Delta R.T. -0.01 min

Lab File: BE097648.D

Acq: 24 Sep 2018 16:59

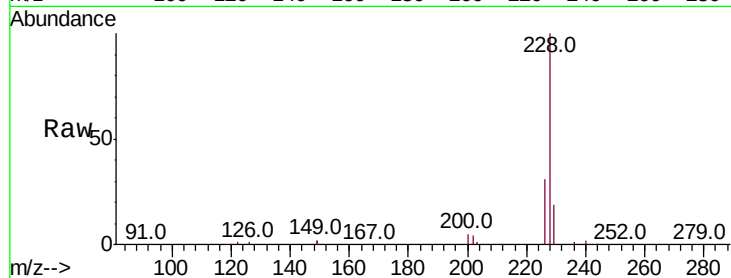
Instrument :

BNA_E

ClientSampleId :

Tot Ion:228 Resp: 38841

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.0	36.0
229	19.0	16.0	24.0

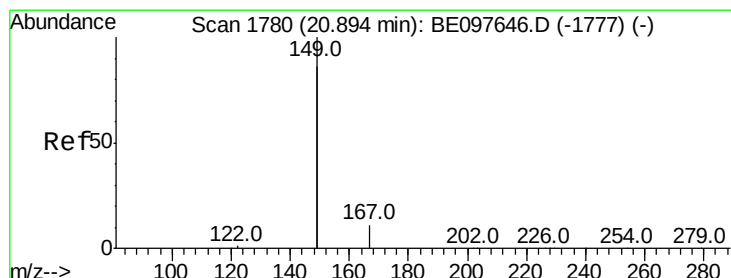
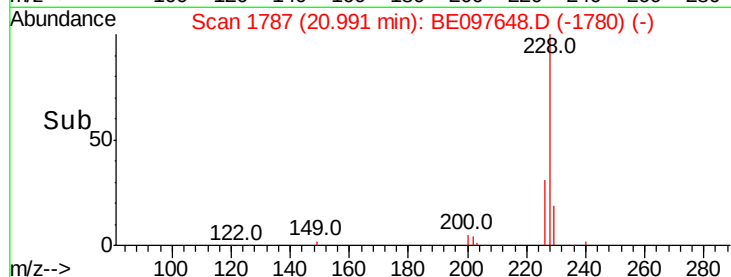
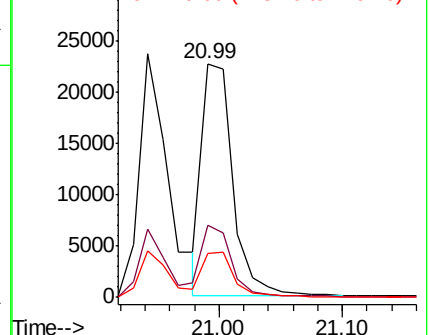


Abundance

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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.920 ng

RT: 20.89 min Scan# 1779

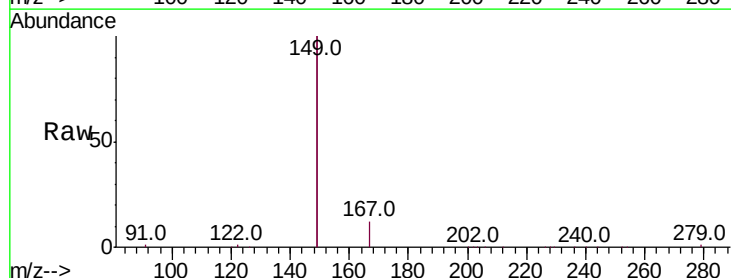
Delta R.T. 0.00 min

Lab File: BE097648.D

Acq: 24 Sep 2018 16:59

Tgt Ion:149 Resp: 42716

Ion	Ratio	Lower	Upper
149	100		
167	6.5	5.4	8.0
279	1.1	0.7	1.1

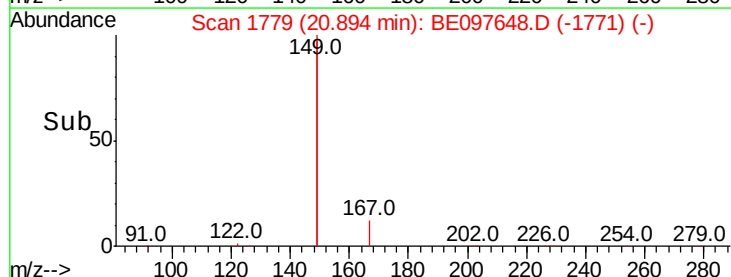
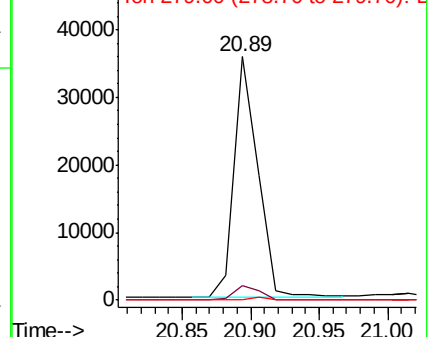


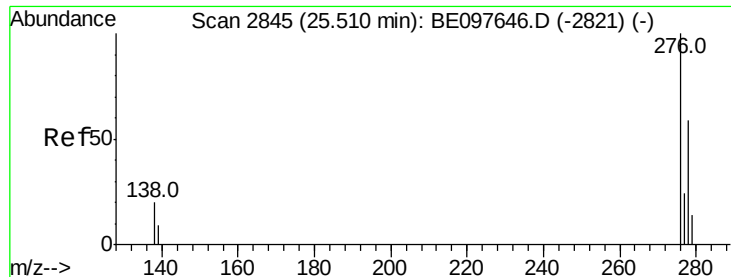
Abundance

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





#33

Indeno(1,2,3-cd)pyrene

Concen: 1.450 ng

RT: 25.49 min Scan# 2837

Delta R.T. -0.02 min

Lab File: BE097648.D

Acq: 24 Sep 2018 16:59

Instrument :

BNA_E

ClientSampleId :

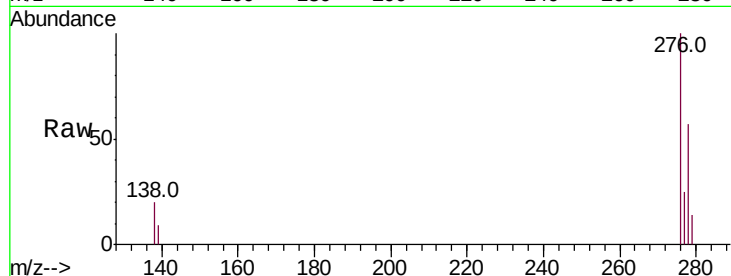
Tot Ion:276 Resp: 43641

Ion Ratio Lower Upper

276 100

138 20.9 22.5 33.7#

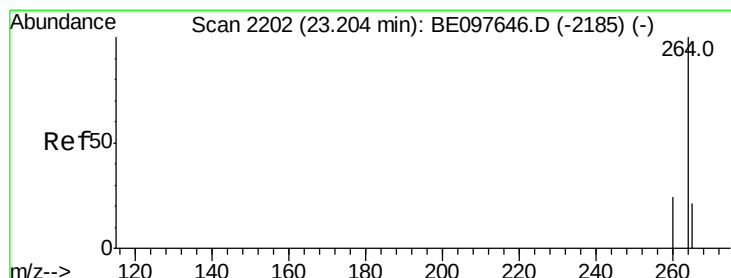
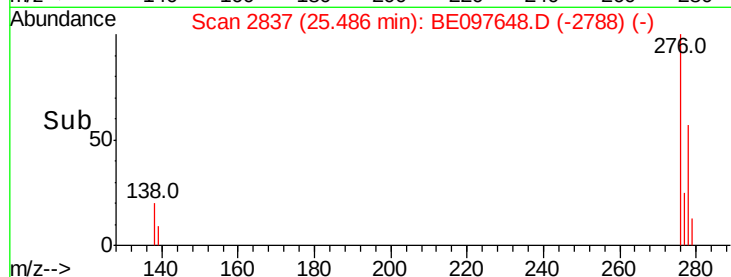
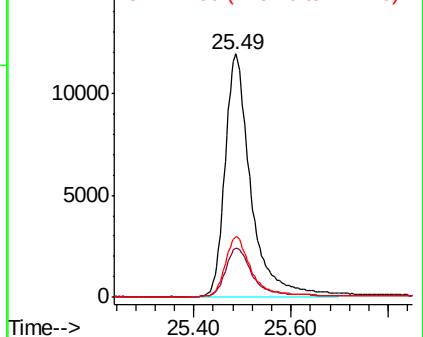
277 25.0 19.9 29.9



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: 23.20 min Scan# 2201

Delta R.T. -0.00 min

Lab File: BE097648.D

Acq: 24 Sep 2018 16:59

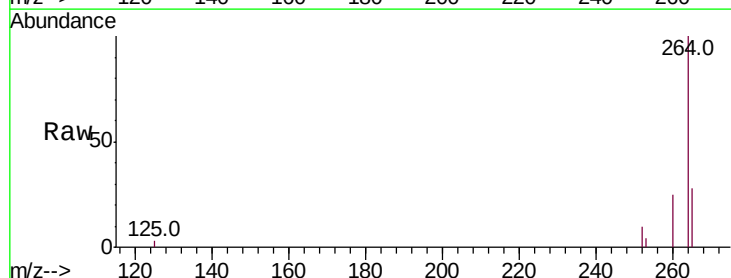
Tgt Ion:264 Resp: 8072

Ion Ratio Lower Upper

264 100

260 24.9 20.5 30.7

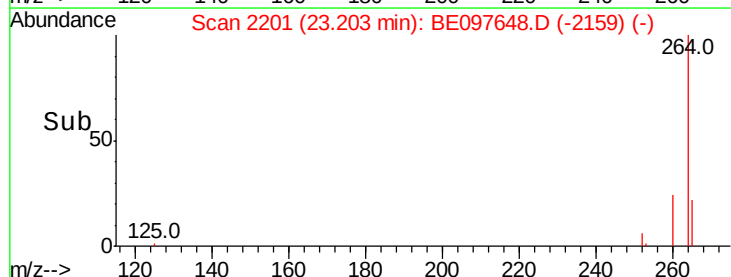
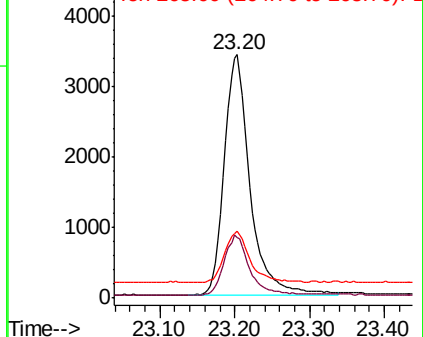
265 27.6 22.8 34.2

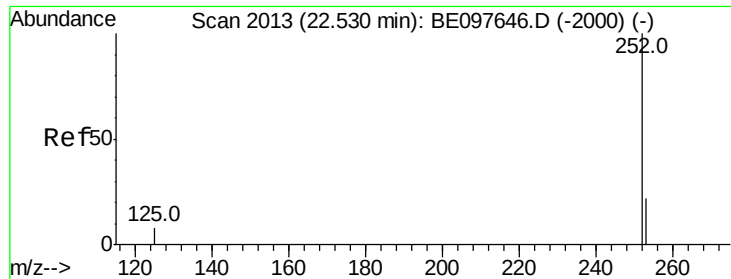


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

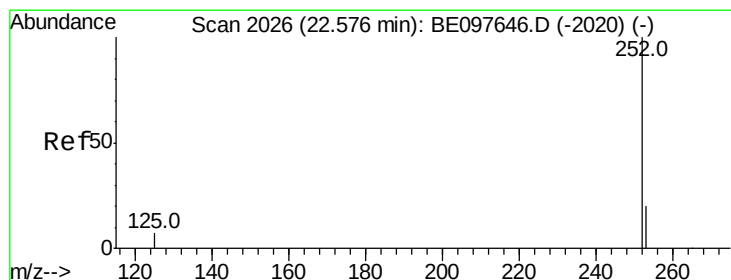
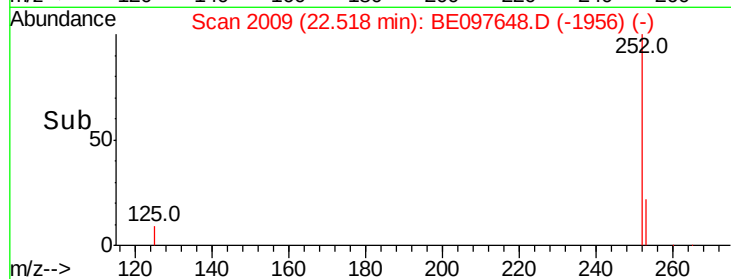
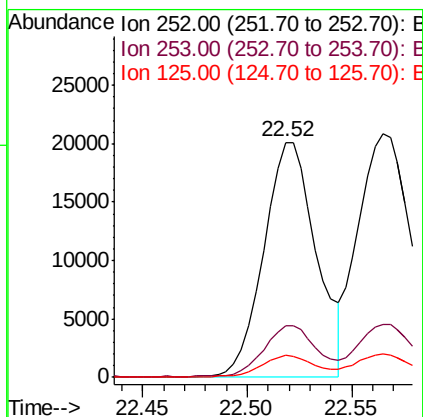
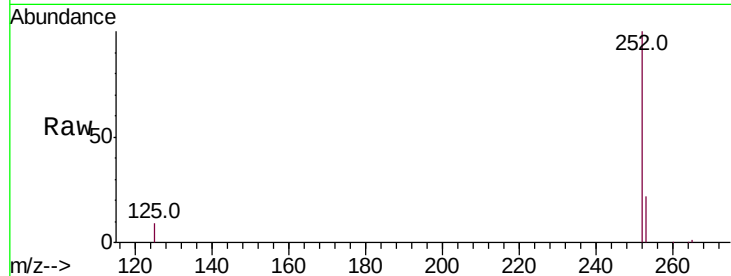




#35
Benzo(b)fluoranthene
Concen: 1.688 ng
RT: 22.52 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BE097648.D
Acq: 24 Sep 2018 16:59

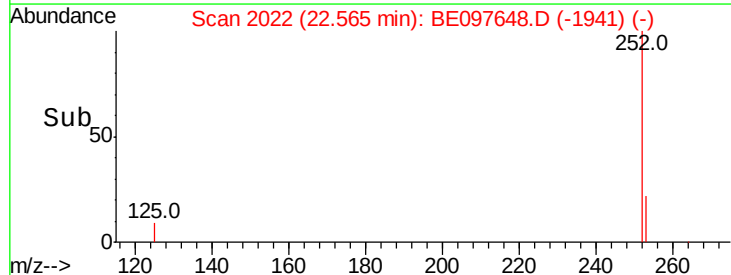
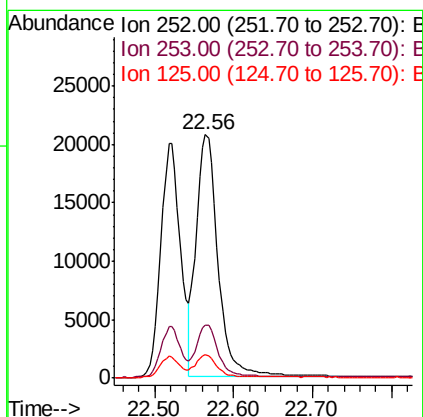
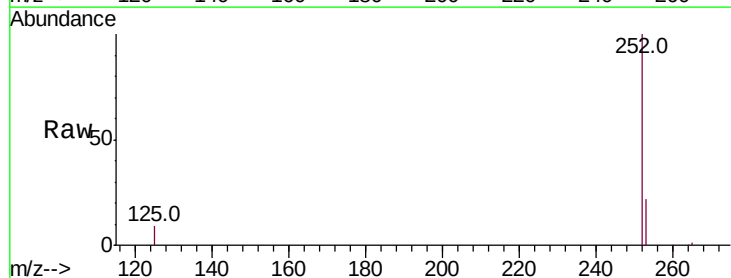
Instrument :
BNA_E
ClientSampleId :

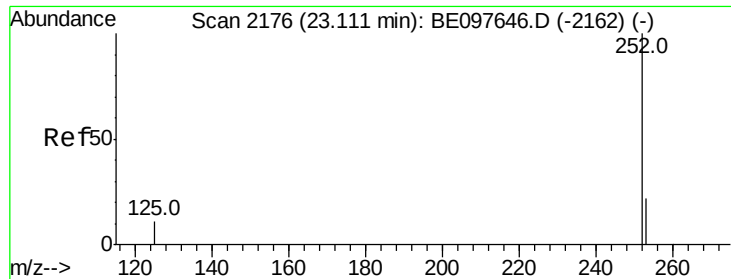
Tot Ion:252 Resp: 34934
Ion Ratio Lower Upper
252 100
253 22.0 20.0 30.0
125 9.2 16.0 24.0#



#36
Benzo(k)fluoranthene
Concen: 1.690 ng
RT: 22.56 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BE097648.D
Acq: 24 Sep 2018 16:59

Tgt Ion:252 Resp: 39950
Ion Ratio Lower Upper
252 100
253 21.9 16.0 24.0
125 9.4 8.0 12.0

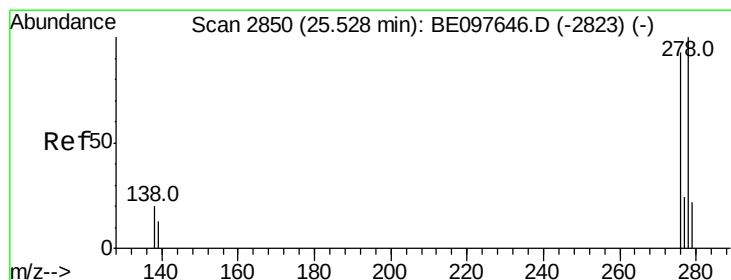
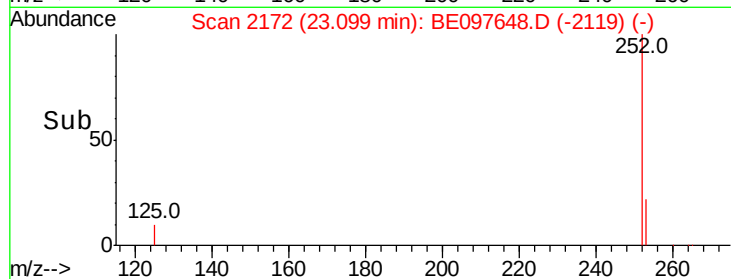
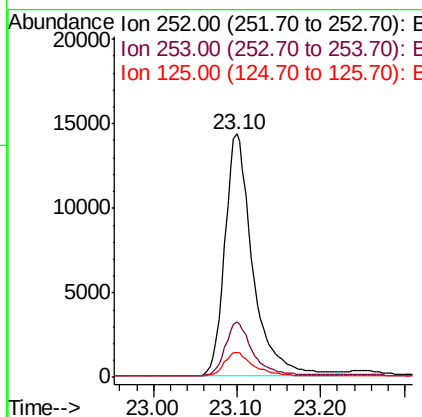
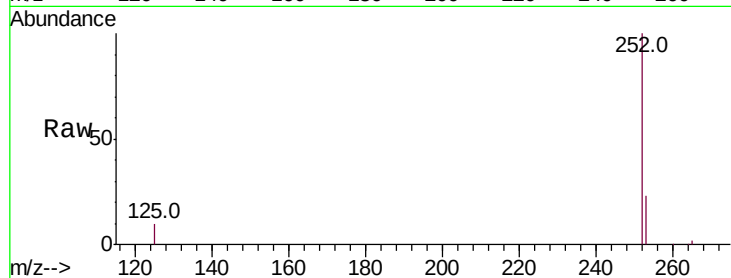




#37
Benzo(a)pyrene
Concen: 1.559 ng
RT: 23.10 min Scan# 2172
Delta R.T. -0.01 min
Lab File: BE097648.D
Acq: 24 Sep 2018 16:59

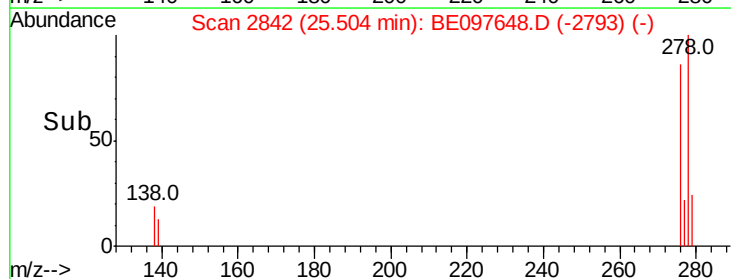
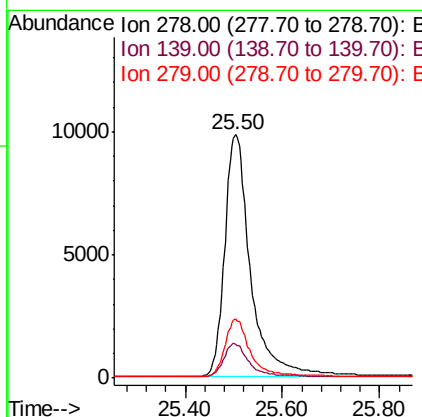
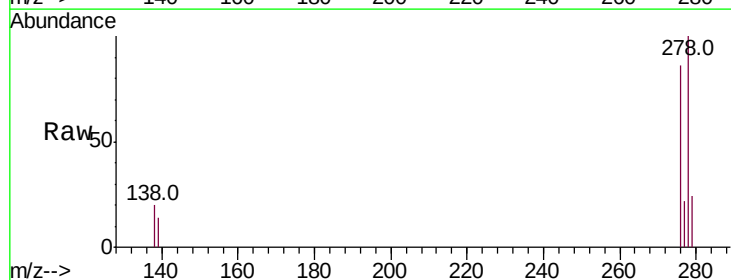
Instrument :
BNA_E
ClientSampleId :

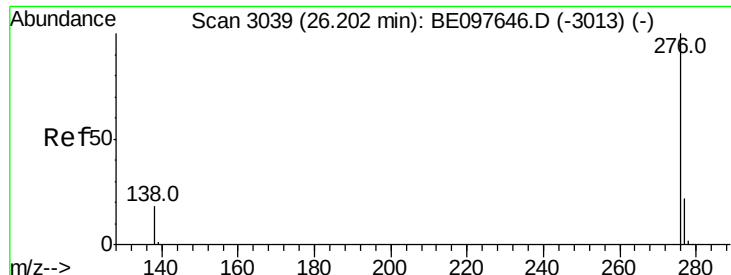
Tot Ion:252 Resp: 33131
Ion Ratio Lower Upper
252 100
253 22.9 16.0 24.0
125 10.3 12.0 18.0#



#38
Dibenzo(a,h)anthracene
Concen: 1.681 ng
RT: 25.50 min Scan# 2842
Delta R.T. -0.02 min
Lab File: BE097648.D
Acq: 24 Sep 2018 16:59

Tgt Ion:278 Resp: 36470
Ion Ratio Lower Upper
278 100
139 13.9 16.0 24.0#
279 24.2 20.0 30.0





#39

Benzo(a,h,i)perylene

Concen: 1.684 ng

RT: 26.18 min Scan# 3033

Delta R.T. -0.02 min

Lab File: BE097648.D

Acq: 24 Sep 2018 16:59

Instrument :

BNA_E

ClientSampleId :

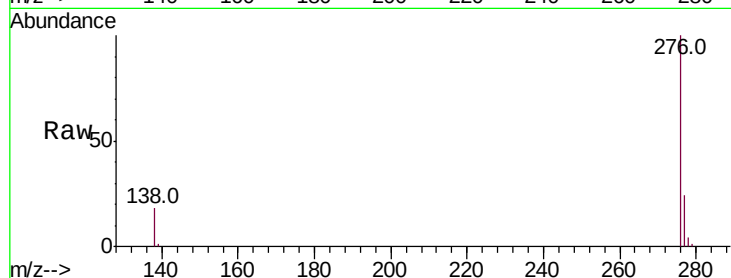
Tot Ion:276 Resp: 35537

Ion Ratio Lower Upper

276 100

277 24.2 16.0 24.0#

138 18.4 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

