

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE073118\
 Data File : BE097120.D
 Acq On : 31 Jul 2018 13:38
 Operator : SJ/JU
 Sample : J4211-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 31 15:14:38 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE072418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 31 10:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1573	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	7729	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	4828	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	13813	0.40	ng	0.00
27) Chrysene-d12	20.98	240	15794	0.40	ng	0.00
34) Perylene-d12	23.21	264	15005	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.06	112	719	0.16	ng	0.01
5) Phenol-d6	6.61	99	595	0.09	ng	0.01
8) Nitrobenzene-d5	8.53	82	3026	0.45	ng	0.01
11) 2-Methylnaphthalene-d10	11.73	152	4665	0.40	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	866	0.54	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	7893	0.47	ng	0.00
25) Fluoranthene-d10	18.81	212	71467	0.52	ng	0.00
29) Terphenyl-d14	19.43	244	14497	0.48	ng	0.00

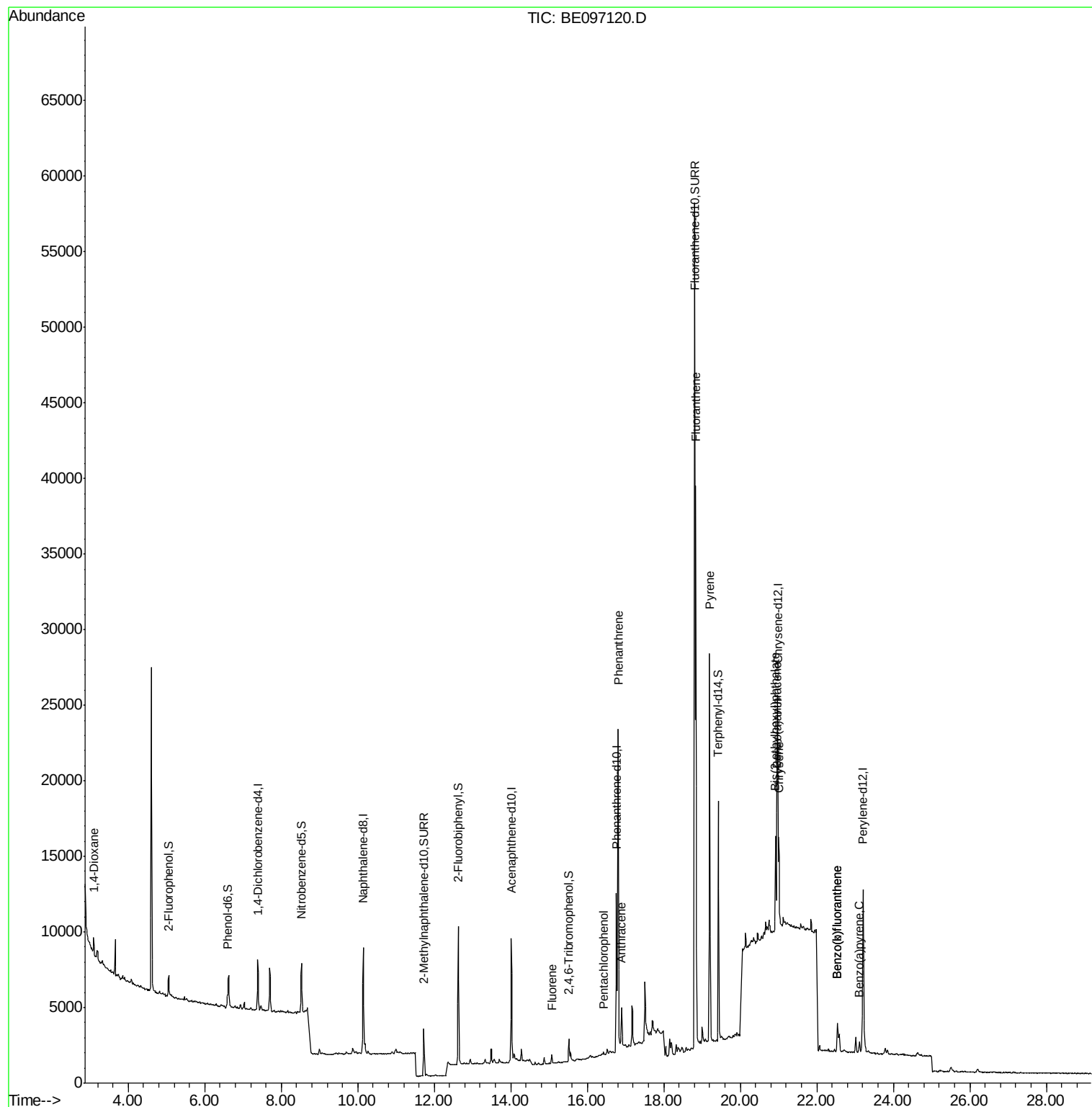
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.09	88	521	0.208	ng	# 69
18) Fluorene	15.08	166	447	0.027	ng	# 77
22) Pentachlorophenol	16.44	266	17	0.045	ng	94
23) Phenanthrene	16.81	178	24120	0.733	ng	98
24) Anthracene	16.89	178	3388	0.115	ng	# 92
26) Fluoranthene	18.84	202	32263	0.873	ng	97
28) Pyrene	19.21	202	23834	0.550	ng	96
30) Benzo(a)anthracene	20.95	228	5466	0.139	ng	# 91
31) Chrysene	21.00	228	5934	0.141	ng	# 87
32) Bis(2-ethylhexyl)phthalate	20.92	149	8717	0.211	ng	# 99
35) Benzo(b)fluoranthene	22.54	252	3226	0.085	ng	# 71
36) Benzo(k)fluoranthene	22.54	252	3176	0.071	ng	# 49
37) Benzo(a)pyrene	23.11	252	1032	0.029	ng	# 15

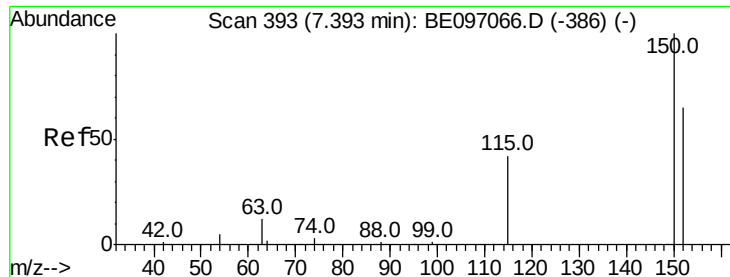
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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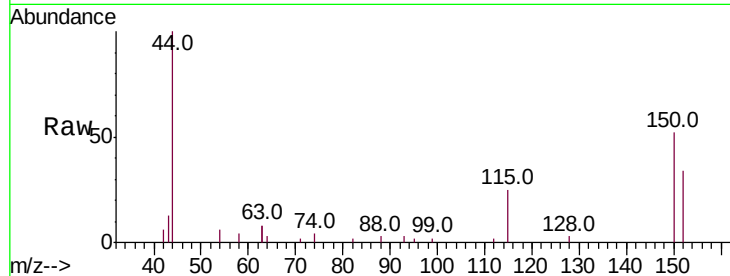


#1

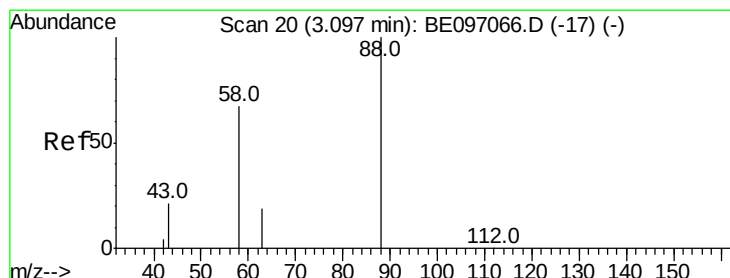
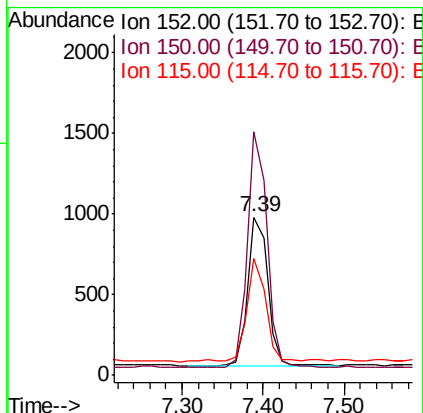
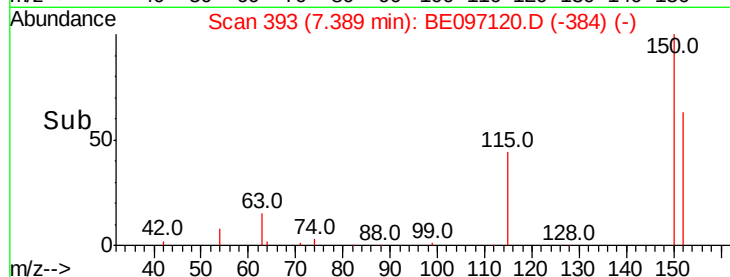
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. -0.00 min
Lab File: BE097120.D
Acq: 31 Jul 2018 13:38

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1573
Ion Ratio Lower Upper
152 100
150 154.2 117.2 175.8
115 74.4 57.0 85.6



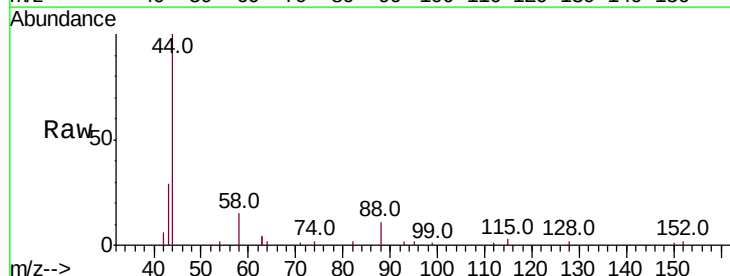
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



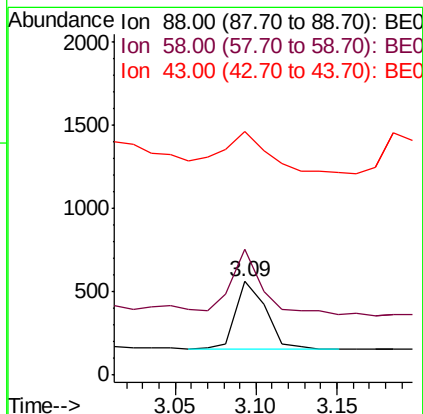
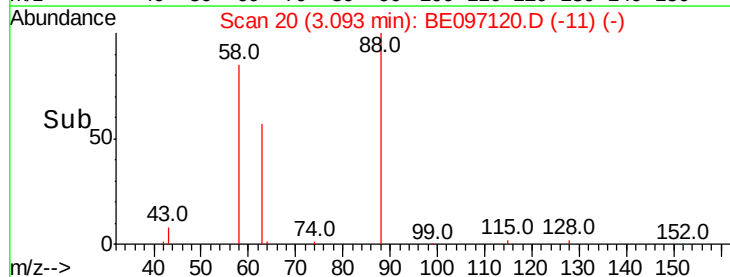
#2

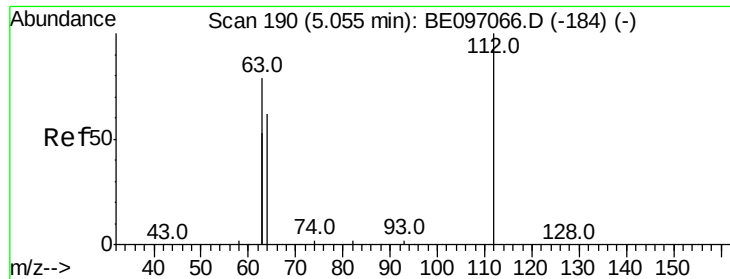
1,4-Dioxane
Concen: 0.208 ng
RT: 3.09 min Scan# 20
Delta R.T. -0.00 min
Lab File: BE097120.D
Acq: 31 Jul 2018 13:38

Tgt Ion: 88 Resp: 521
Ion Ratio Lower Upper
88 100
58 95.2 63.2 94.8#
43 85.8 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





#4

2-Fluorophenol

Concen: 0.163 ng

RT: 5.06 min Scan# 191

Delta R.T. 0.01 min

Lab File: BE097120.D

Acq: 31 Jul 2018 13:38

Instrument :

BNA_E

ClientSampleId :

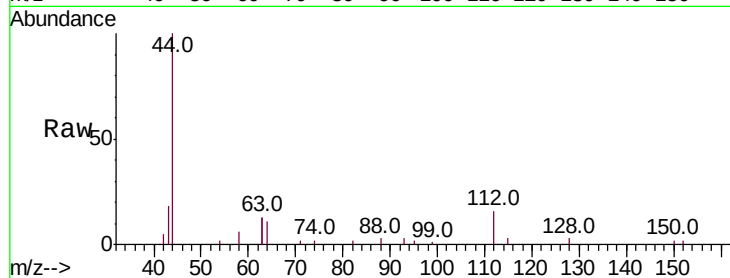
Tot Ion:112 Resp: 719

Ion Ratio Lower Upper

112 100

64 73.9 60.1 90.1

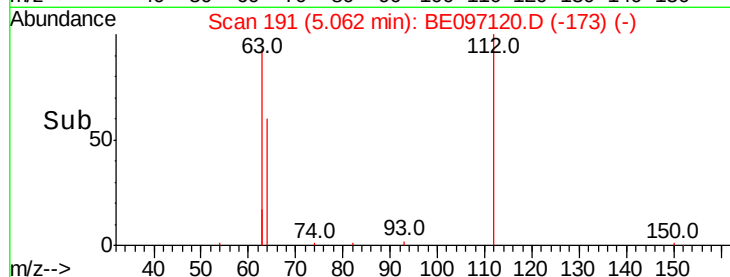
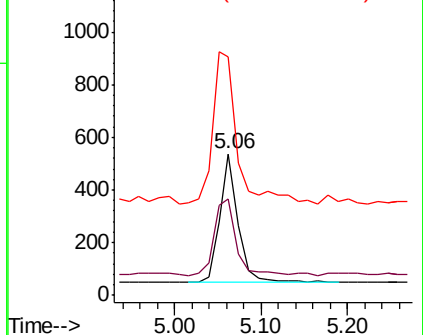
63 157.2 116.8 175.2



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.092 ng

RT: 6.61 min Scan# 325

Delta R.T. 0.01 min

Lab File: BE097120.D

Acq: 31 Jul 2018 13:38

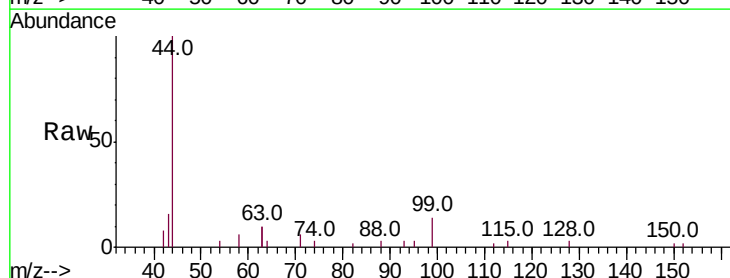
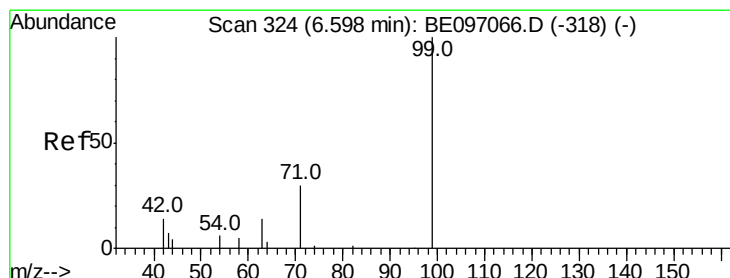
Tgt Ion: 99 Resp: 595

Ion Ratio Lower Upper

99 100

42 42.4 20.2 30.2#

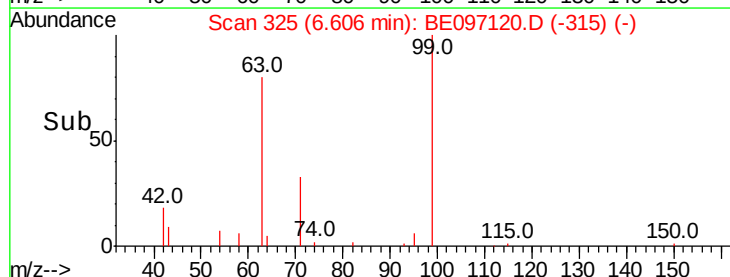
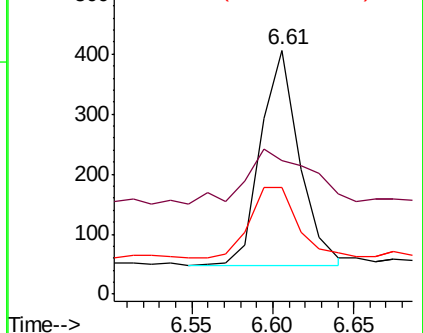
71 41.7 28.4 42.6

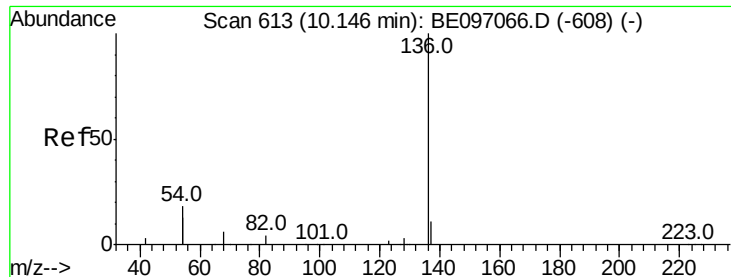


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE097120.D

Acq: 31 Jul 2018 13:38

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 7729

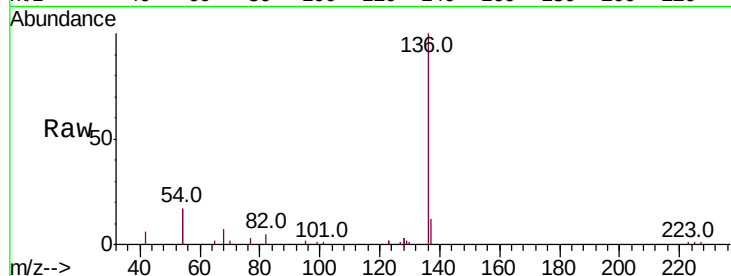
Ion Ratio Lower Upper

136 100

137 11.8 9.5 14.3

54 34.5 29.1 43.7

68 7.4 6.2 9.2

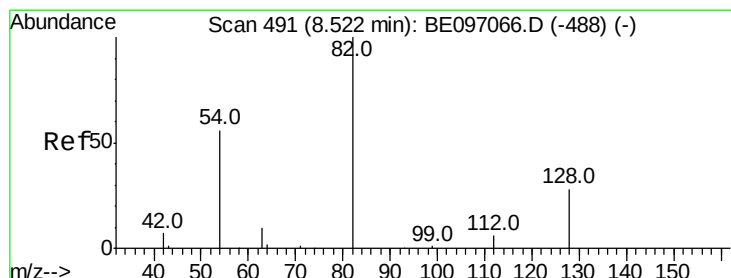
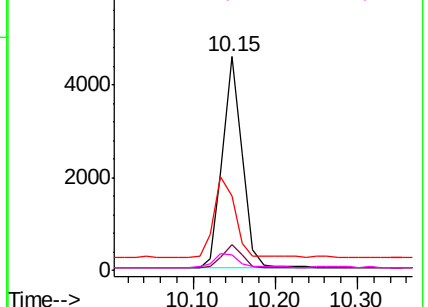
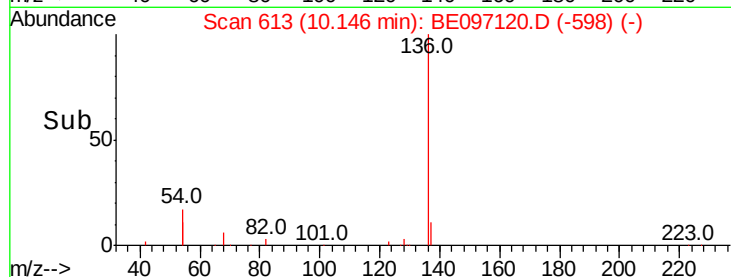


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.451 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE097120.D

Acq: 31 Jul 2018 13:38

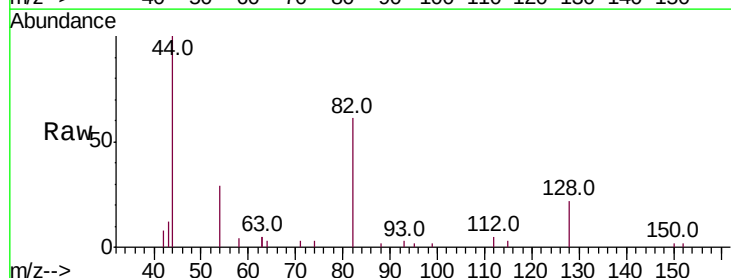
Tgt Ion: 82 Resp: 3026

Ion Ratio Lower Upper

82 100

128 36.5 24.0 36.0#

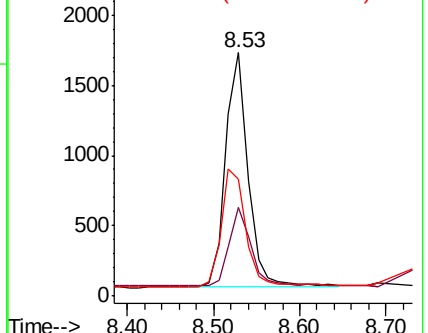
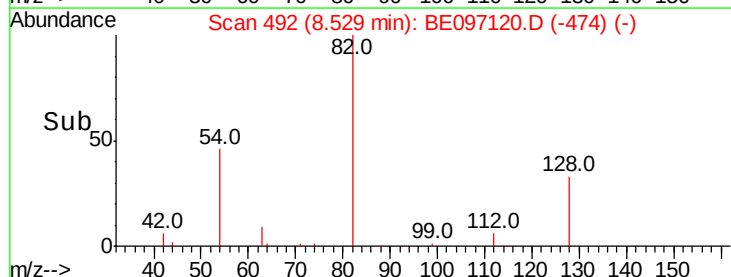
54 48.0 40.0 60.0

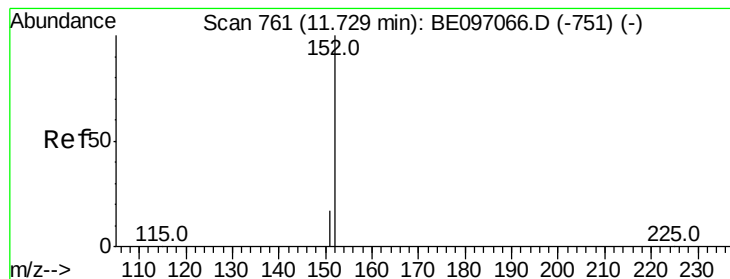


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.403 ng

RT: 11.73 min Scan# 761

Delta R.T. 0.00 min

Lab File: BE097120.D

Acq: 31 Jul 2018 13:38

Instrument :

BNA_E

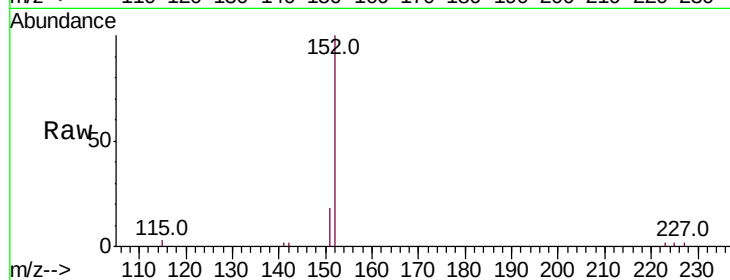
ClientSampleId :

Tot Ion:152 Resp: 4665

Ion Ratio Lower Upper

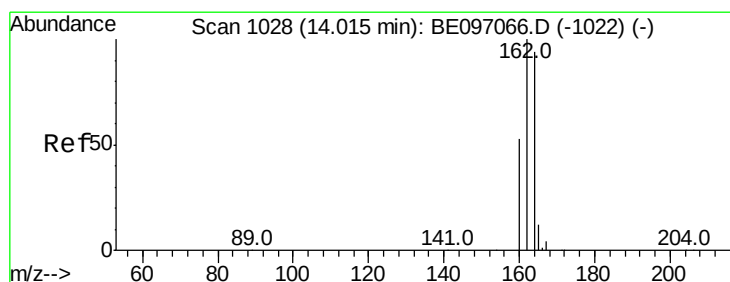
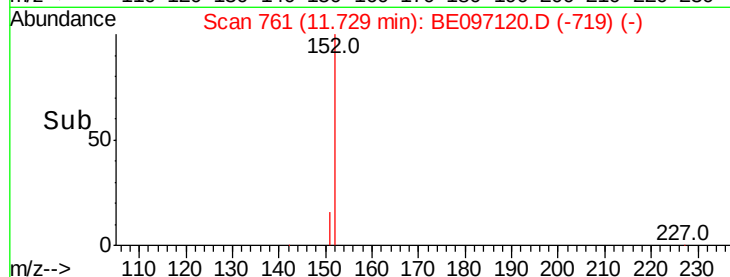
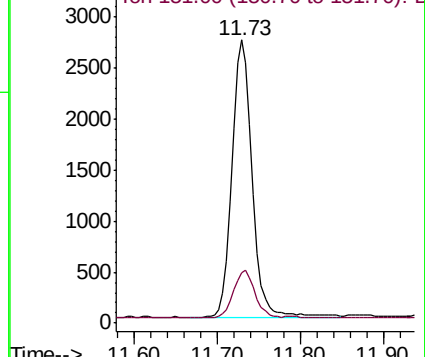
152 100

151 18.5 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BE097120.D

Acq: 31 Jul 2018 13:38

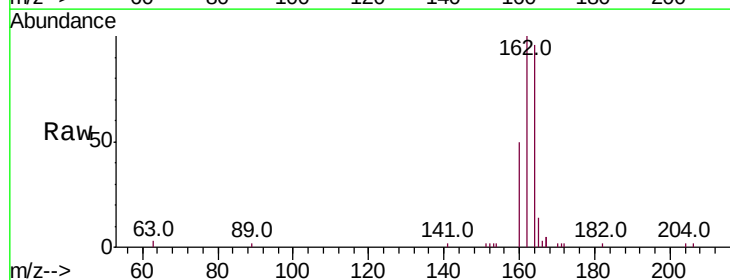
Tgt Ion:164 Resp: 4828

Ion Ratio Lower Upper

164 100

162 104.4 83.1 124.7

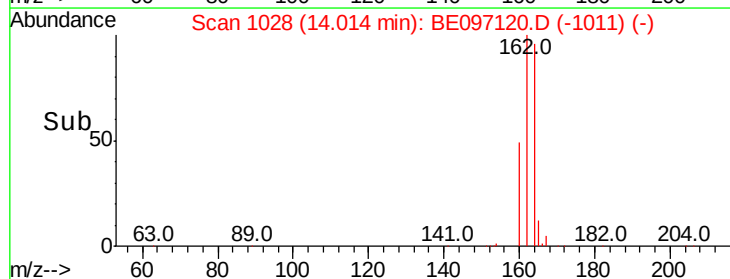
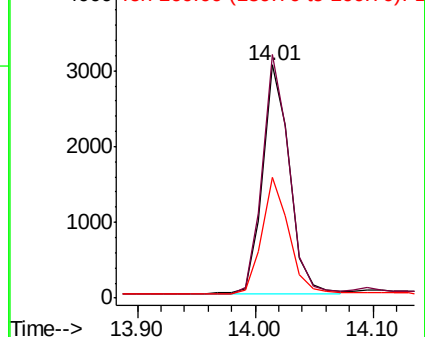
160 51.7 37.1 55.7

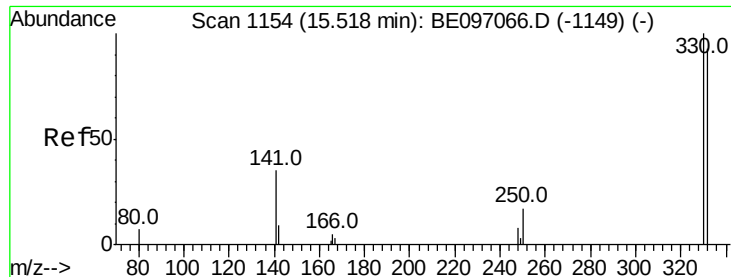


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

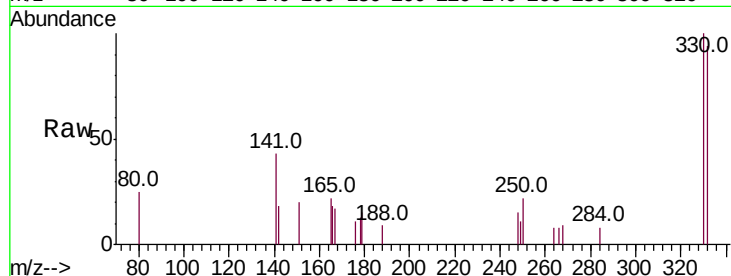




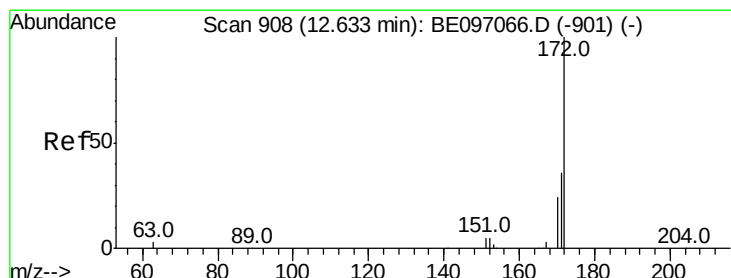
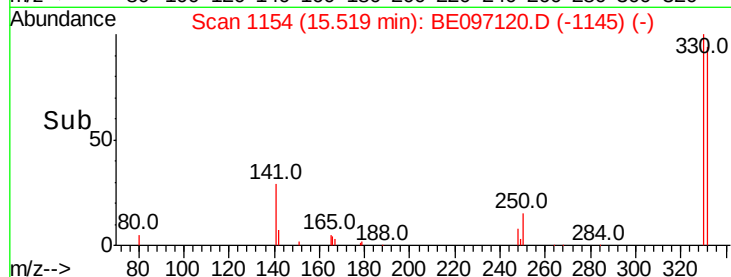
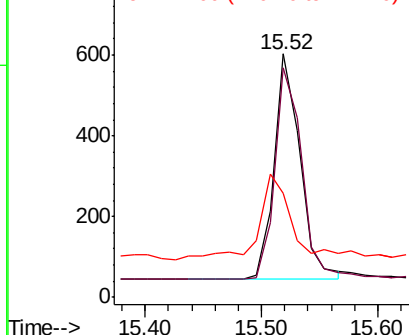
#14
 2,4,6-Tribromophenol
 Concen: 0.545 ng
 RT: 15.52 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: BE097120.D
 Acq: 31 Jul 2018 13:38

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:330 Resp: 866
 Ion Ratio Lower Upper
 330 100
 332 96.9 152.7 229.1#
 141 39.1 33.7 50.5

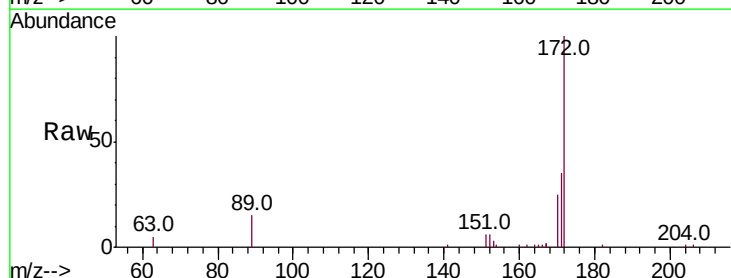


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

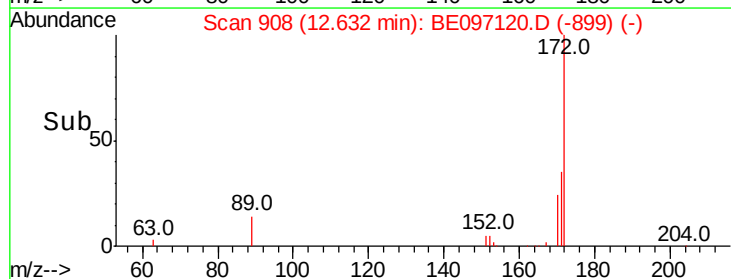
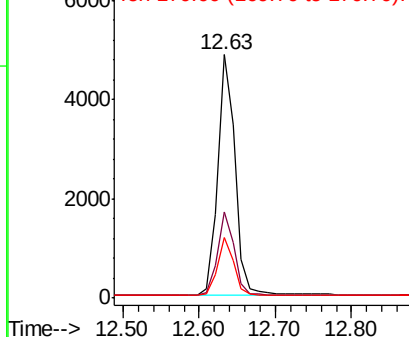


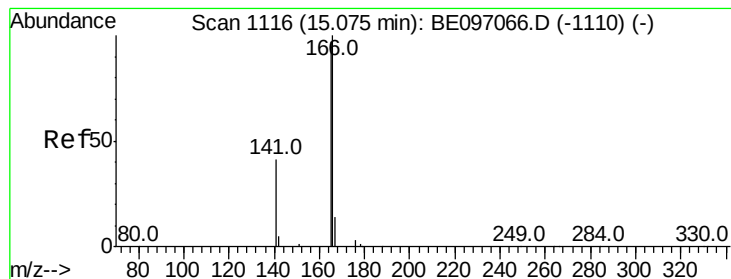
#15
 2-Fluorobiphenyl
 Concen: 0.473 ng
 RT: 12.63 min Scan# 908
 Delta R.T. -0.00 min
 Lab File: BE097120.D
 Acq: 31 Jul 2018 13:38

Tgt Ion:172 Resp: 7893
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.9 44.9
 170 24.9 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





#18

Fluorene

Concen: 0.027 ng

RT: 15.08 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE097120.D

Acq: 31 Jul 2018 13:38

Instrument :

BNA_E

ClientSampleId :

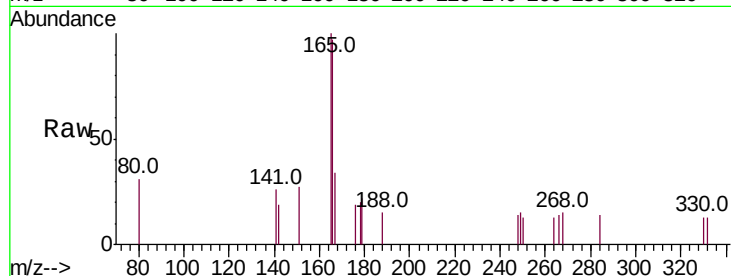
Tot Ion:166 Resp: 447

Ion Ratio Lower Upper

166 100

165 110.1 77.8 116.6

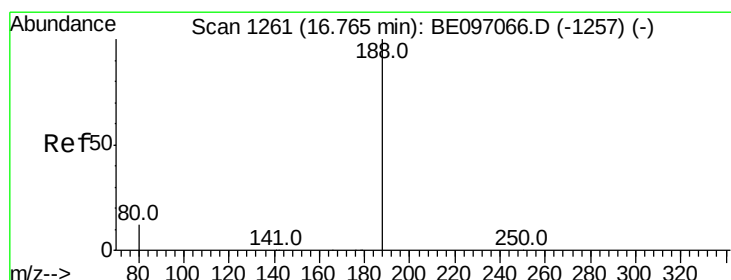
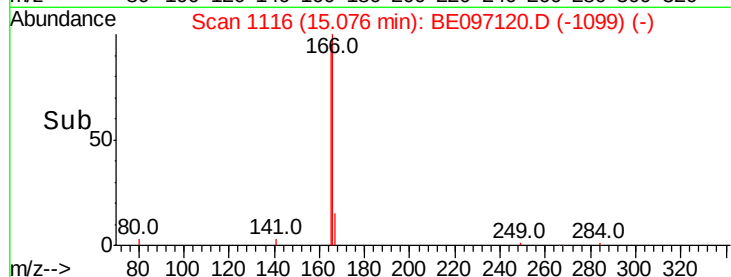
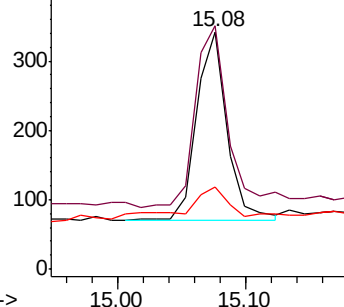
167 22.8 42.4 63.6#



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: 16.77 min Scan# 1261

Delta R.T. 0.00 min

Lab File: BE097120.D

Acq: 31 Jul 2018 13:38

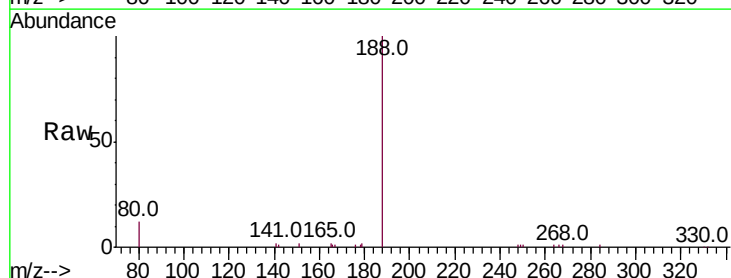
Tgt Ion:188 Resp: 13813

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

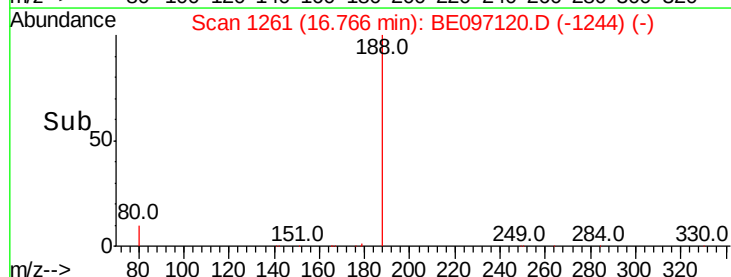
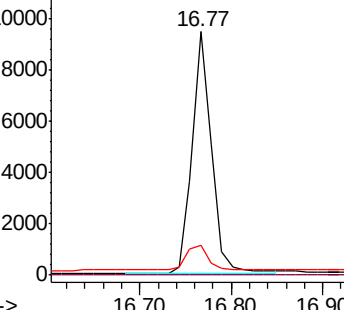
80 12.2 3.6 5.4#

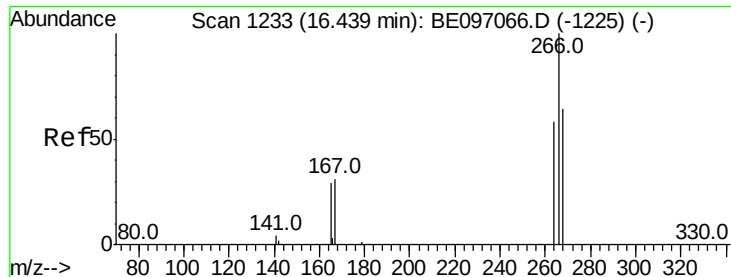


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

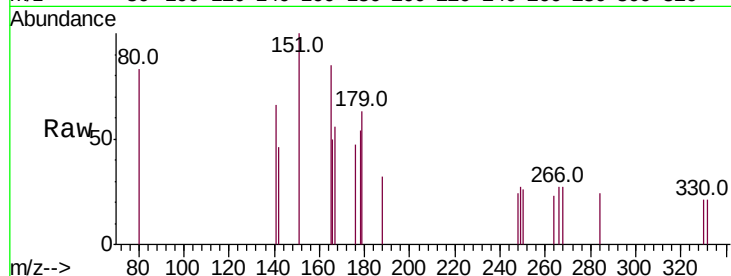




#22
 Pentachlorophenol
 Concen: 0.045 ng
 RT: 16.44 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: BE097120.D
 Acq: 31 Jul 2018 13:38

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
266	100		
264	84.7	72.5	108.7
268	98.3	73.8	110.6

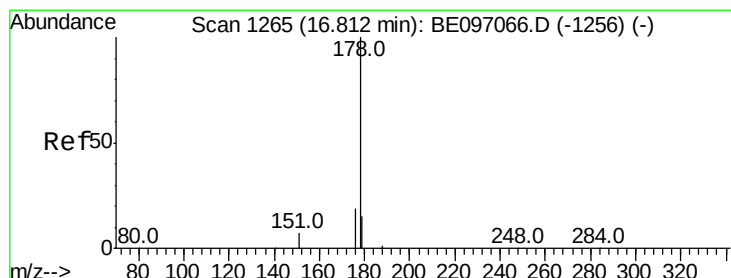
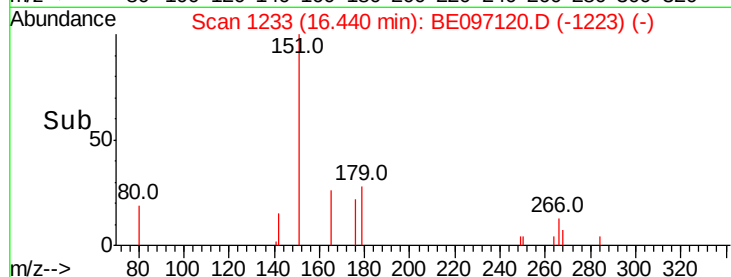
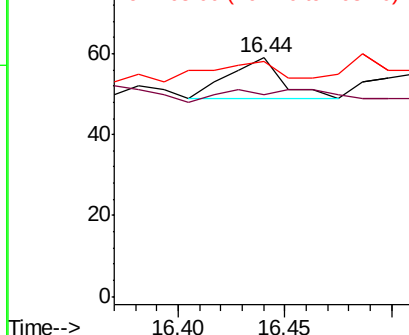


Abundance

Ion 266.00 (265.70 to 266.70): E

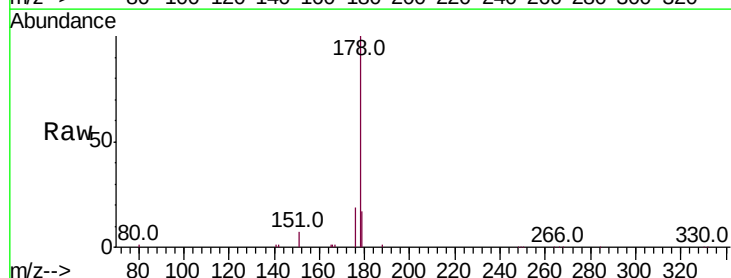
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#23
 Phenanthrene
 Concen: 0.733 ng
 RT: 16.81 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: BE097120.D
 Acq: 31 Jul 2018 13:38

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.1	22.7
179	16.0	11.8	17.6

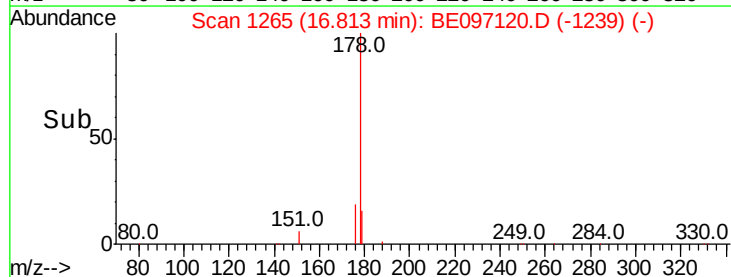
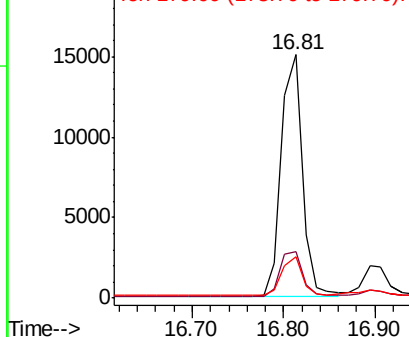


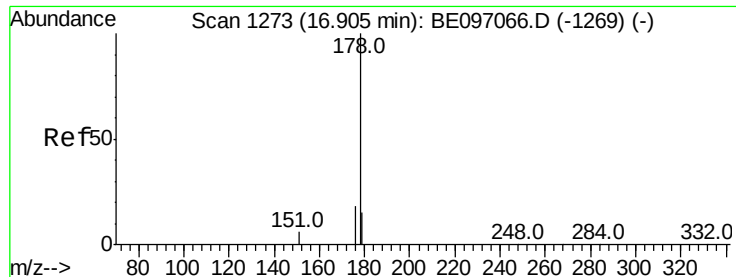
Abundance

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: 0.115 ng

RT: 16.89 min Scan# 1272

Delta R.T. 0.00 min

Lab File: BE097120.D

Acq: 31 Jul 2018 13:38

Instrument :

BNA_E

ClientSampleId :

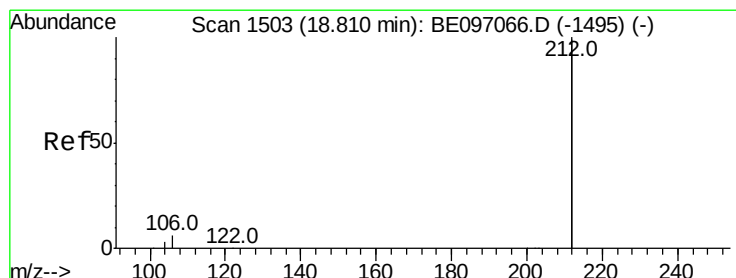
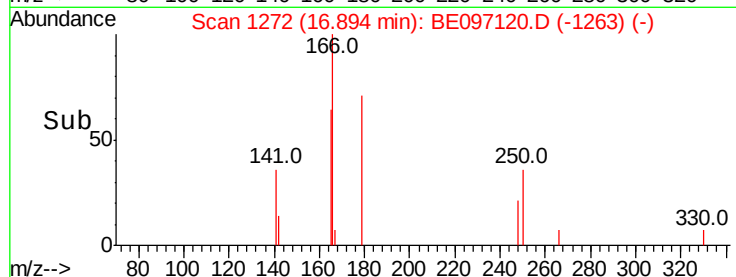
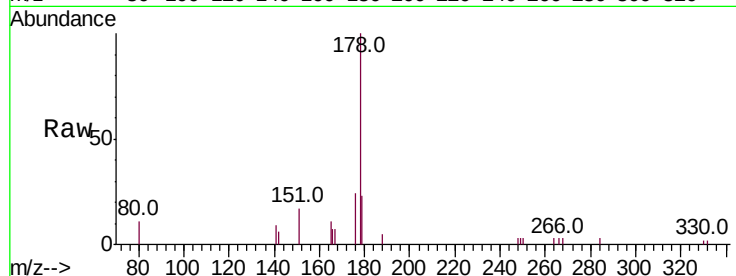
Tot Ion:178 Resp: 3388

Ion Ratio Lower Upper

178 100

176 19.9 12.8 19.2#

179 19.6 13.0 19.6#



#25

Fluoranthene-d10

Concen: 0.517 ng

RT: 18.81 min Scan# 1502

Delta R.T. -0.00 min

Lab File: BE097120.D

Acq: 31 Jul 2018 13:38

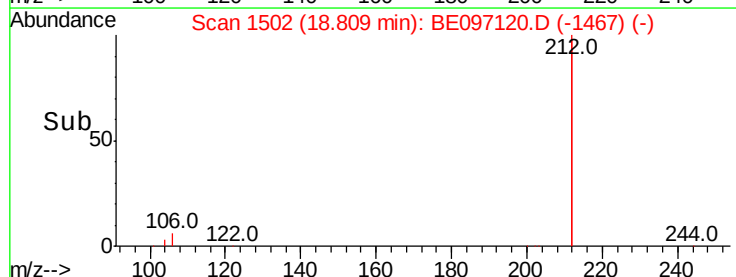
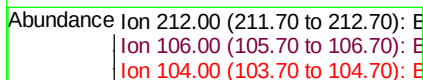
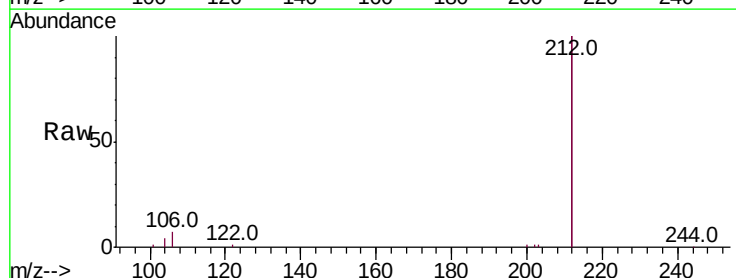
Tgt Ion:212 Resp: 71467

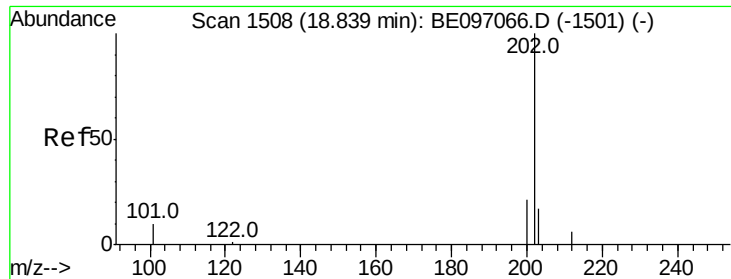
Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

104 1.8 1.6 2.4

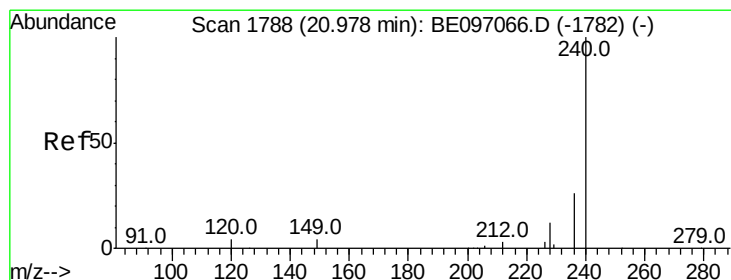
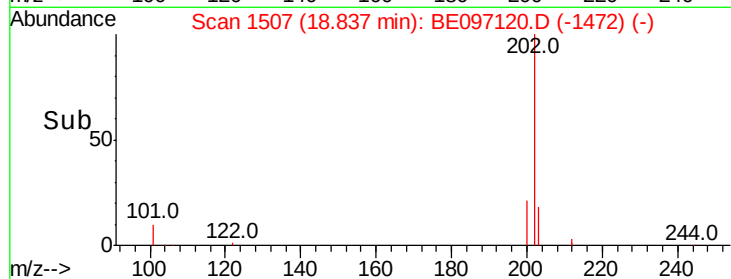
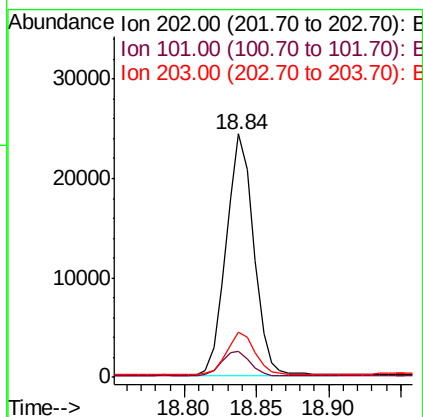
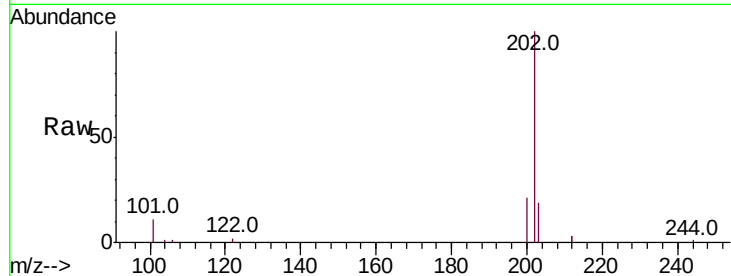




#26
Fluoranthene
Concen: 0.873 ng
RT: 18.84 min Scan# 1507
Delta R.T. -0.00 min
Lab File: BE097120.D
Acq: 31 Jul 2018 13:38

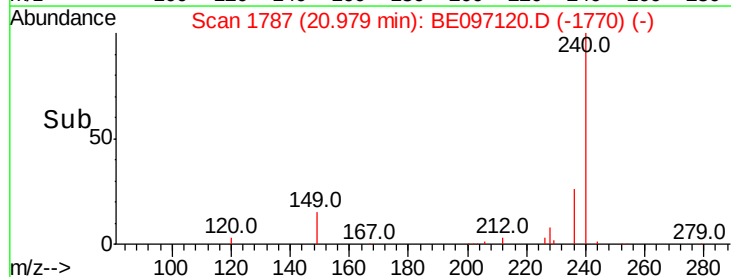
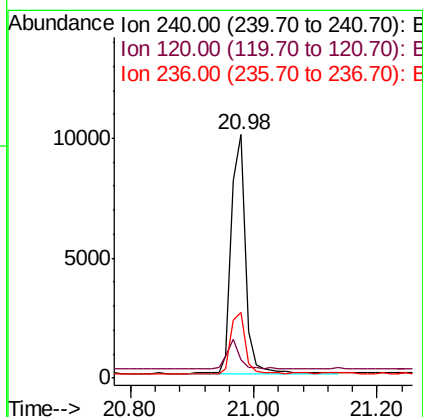
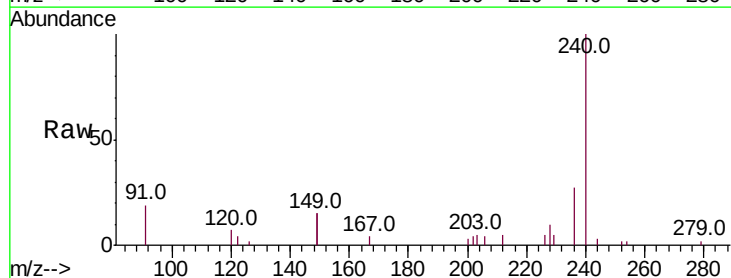
Instrument :
BNA_E
ClientSampleId :

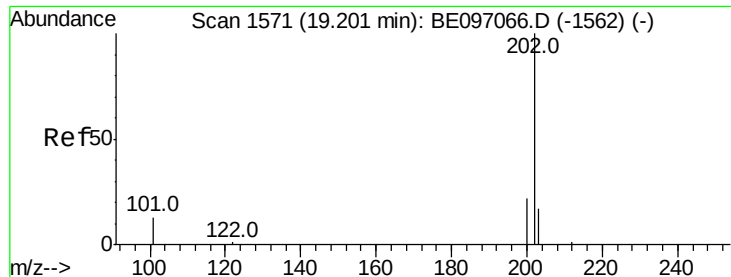
Tot Ion:202 Resp: 32263
Ion Ratio Lower Upper
202 100
101 10.7 9.8 14.8
203 18.1 13.7 20.5



#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.98 min Scan# 1787
Delta R.T. 0.00 min
Lab File: BE097120.D
Acq: 31 Jul 2018 13:38

Tgt Ion:240 Resp: 15794
Ion Ratio Lower Upper
240 100
120 7.4 5.5 8.3
236 26.8 20.7 31.1





#28

Pvrene

Concen: 0.550 ng

RT: 19.21 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BE097120.D

Acq: 31 Jul 2018 13:38

Instrument :

BNA_E

ClientSampleId :

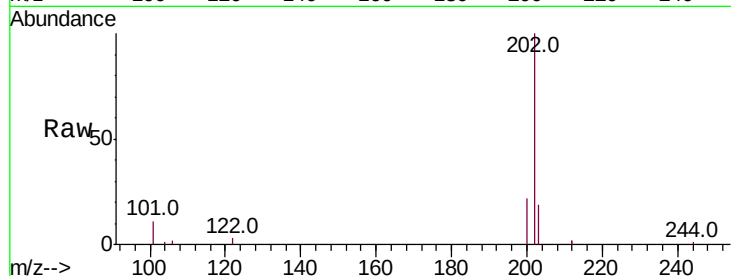
Tot Ion:202 Resp: 23834

Ion Ratio Lower Upper

202 100

200 21.4 16.6 25.0

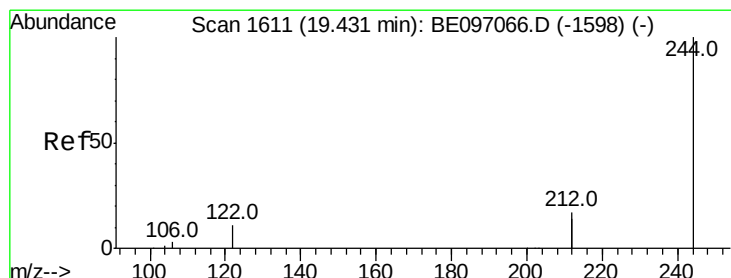
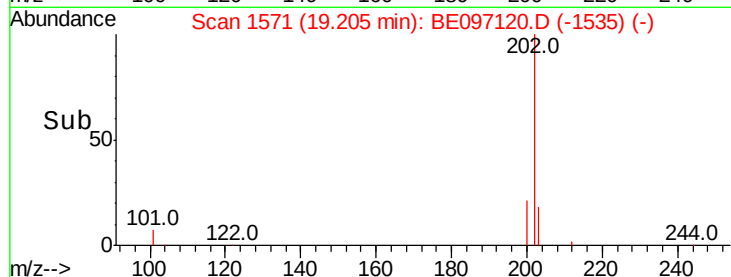
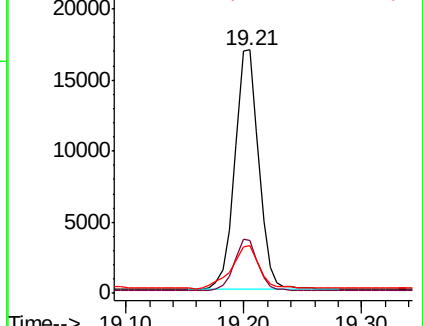
203 20.5 13.8 20.8



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: 0.478 ng

RT: 19.43 min Scan# 1610

Delta R.T. -0.00 min

Lab File: BE097120.D

Acq: 31 Jul 2018 13:38

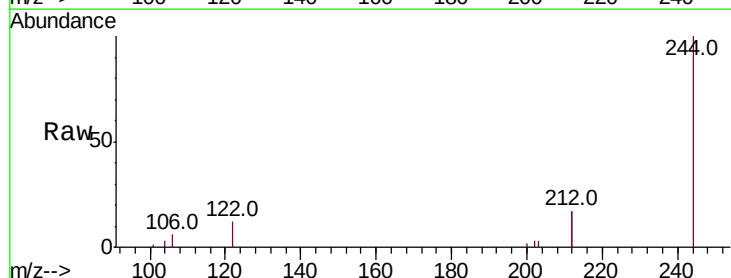
Tgt Ion:244 Resp: 14497

Ion Ratio Lower Upper

244 100

212 33.8 25.4 38.0

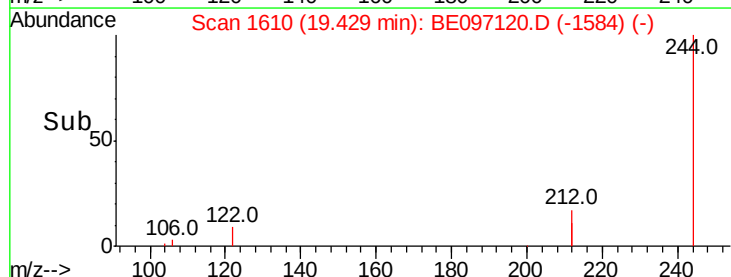
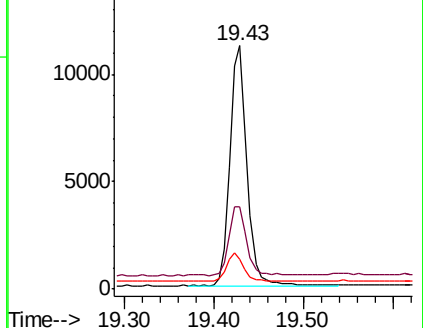
122 12.5 8.1 12.1#

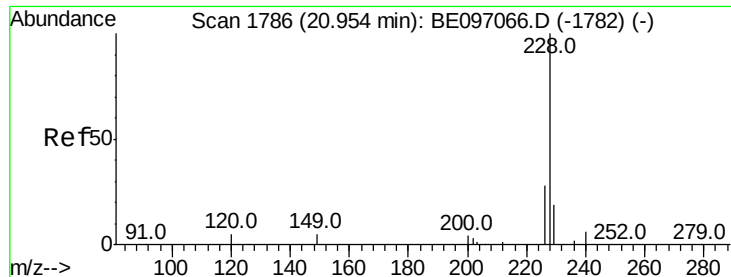


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.139 ng

RT: 20.95 min Scan# 1785

Delta R.T. 0.00 min

Lab File: BE097120.D

Acq: 31 Jul 2018 13:38

Instrument :

BNA_E

ClientSampled :

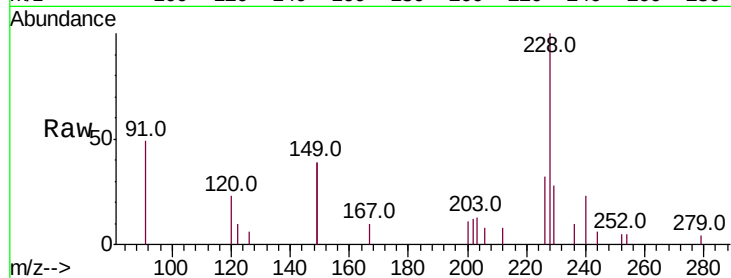
Tot Ion:228 Resp: 5466

Ion Ratio Lower Upper

228 100

226 32.1 24.0 36.0

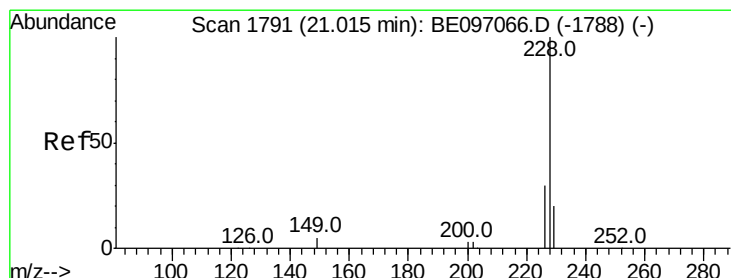
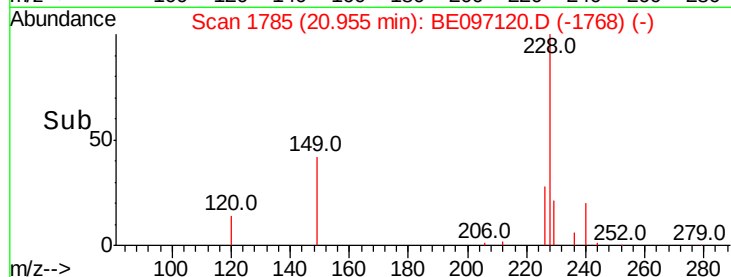
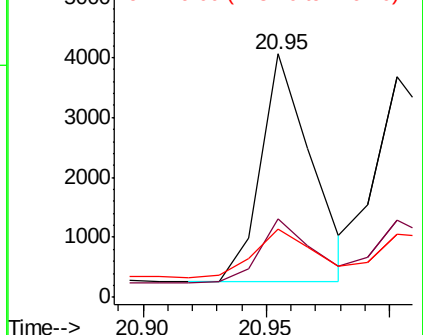
229 27.9 16.0 24.0#



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: 0.141 ng

RT: 21.00 min Scan# 1789

Delta R.T. 0.00 min

Lab File: BE097120.D

Acq: 31 Jul 2018 13:38

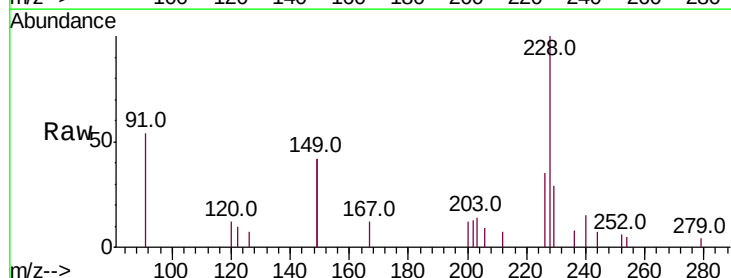
Tgt Ion:228 Resp: 5934

Ion Ratio Lower Upper

228 100

226 35.0 24.0 36.0

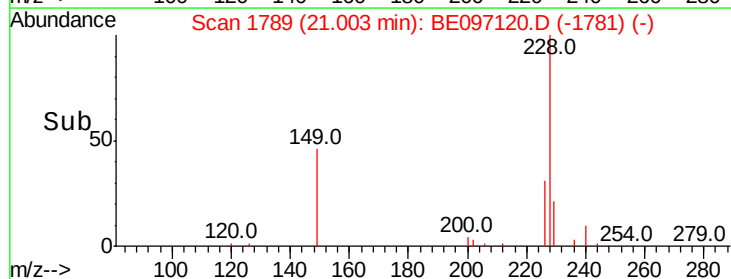
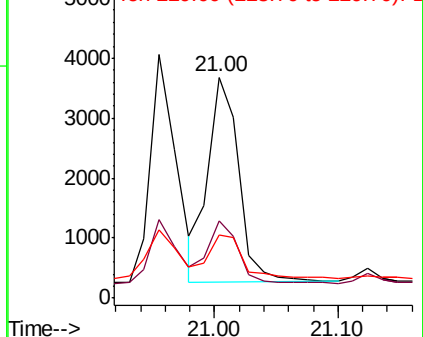
229 28.6 16.0 24.0#

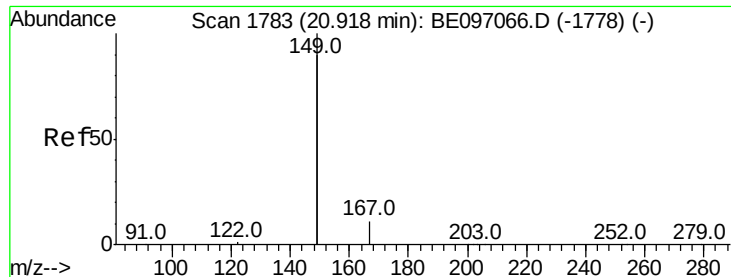


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

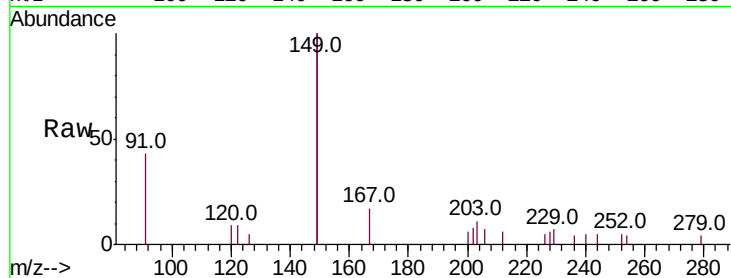




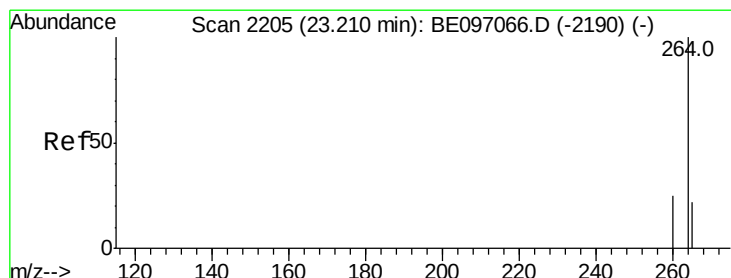
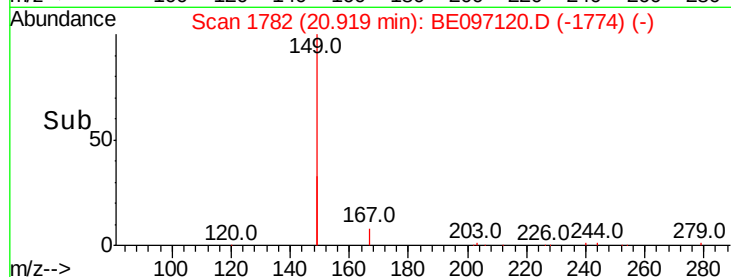
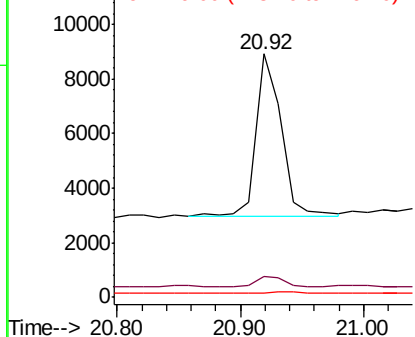
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.211 ng
 RT: 20.92 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: BE097120.D
 Acq: 31 Jul 2018 13:38

Instrument :
 BNA_E
 ClientSampled :

Tot Ion:149 Resp: 8717
 Ion Ratio Lower Upper
 149 100
 167 6.3 5.4 8.0
 279 2.0 0.7 1.1#

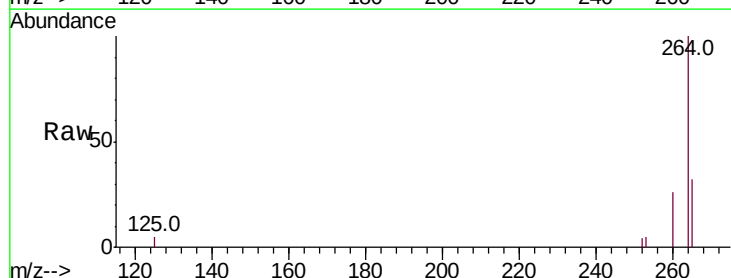


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

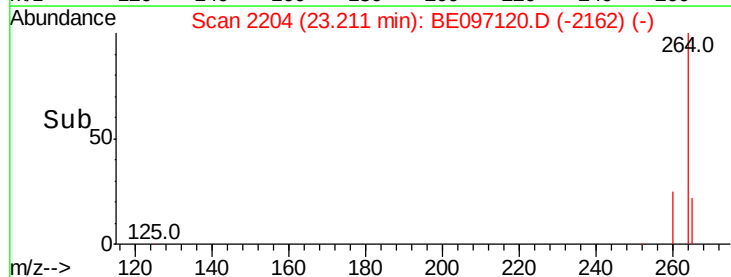
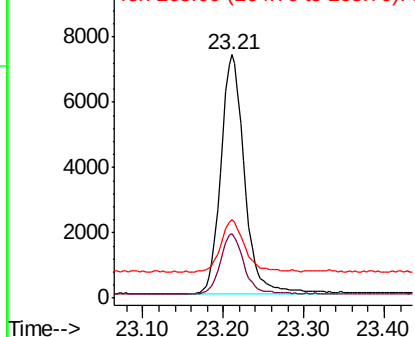


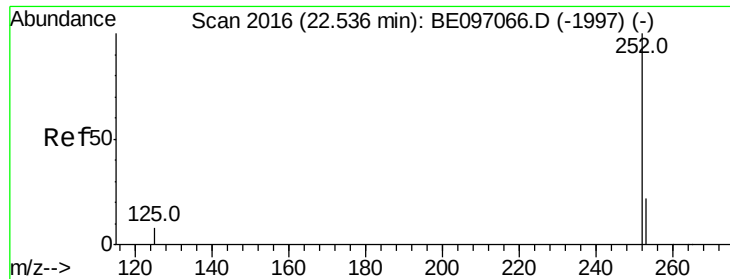
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.21 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: BE097120.D
 Acq: 31 Jul 2018 13:38

Tgt Ion:264 Resp: 15005
 Ion Ratio Lower Upper
 264 100
 260 26.4 20.5 30.7
 265 32.2 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

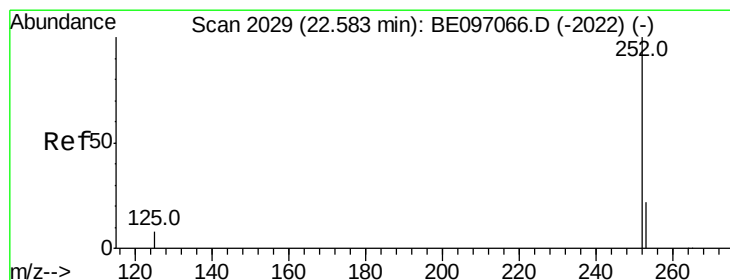
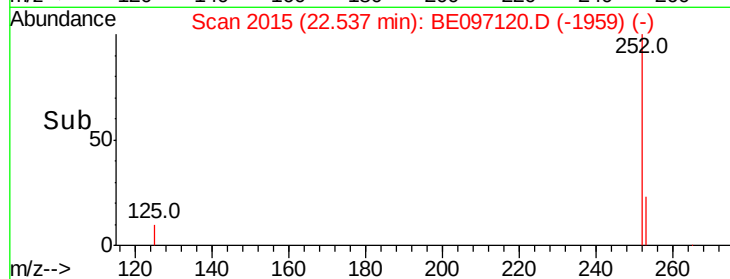
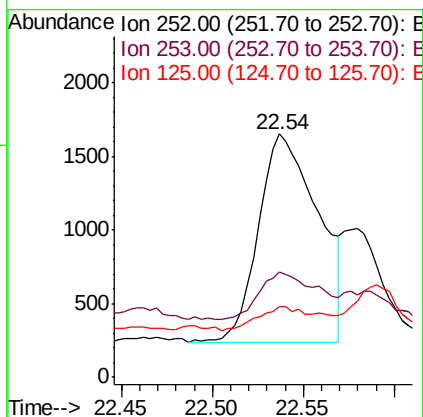
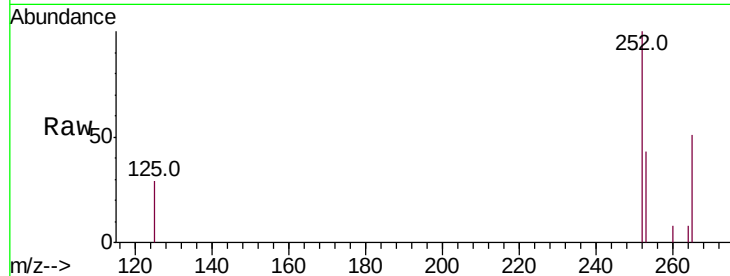




#35
Benzo(b)fluoranthene
Concen: 0.085 ng
RT: 22.54 min Scan# 2015
Delta R.T. 0.00 min
Lab File: BE097120.D
Acq: 31 Jul 2018 13:38

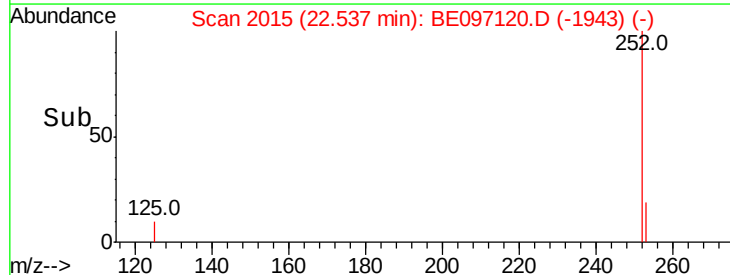
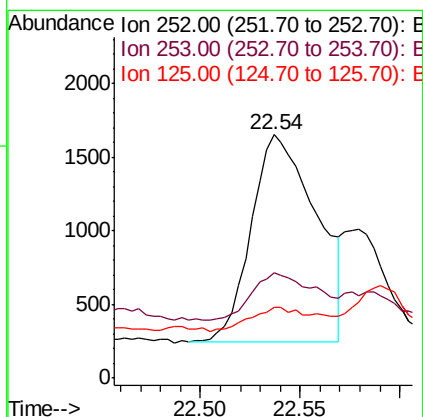
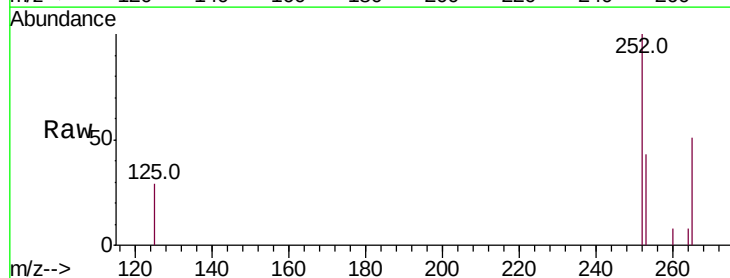
Instrument :
BNA_E
ClientSampleId :

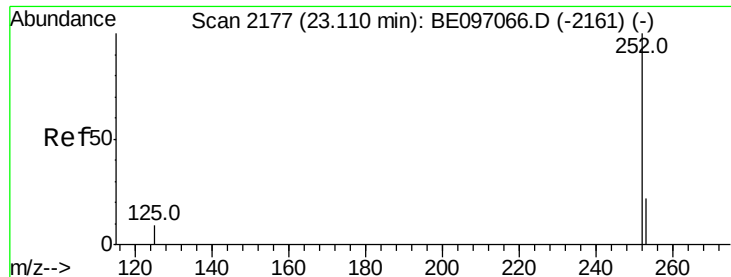
Tot Ion:252 Resp: 3226
Ion Ratio Lower Upper
252 100
253 43.2 20.0 30.0#
125 29.3 16.0 24.0#



#36
Benzo(k)fluoranthene
Concen: 0.071 ng
RT: 22.54 min Scan# 2015
Delta R.T. -0.04 min
Lab File: BE097120.D
Acq: 31 Jul 2018 13:38

Tgt Ion:252 Resp: 3176
Ion Ratio Lower Upper
252 100
253 43.2 16.0 24.0#
125 29.3 8.0 12.0#





#37

Benzo(a)pyrene

Concen: 0.029 ng

RT: 23.11 min Scan# 2177

Delta R.T. 0.00 min

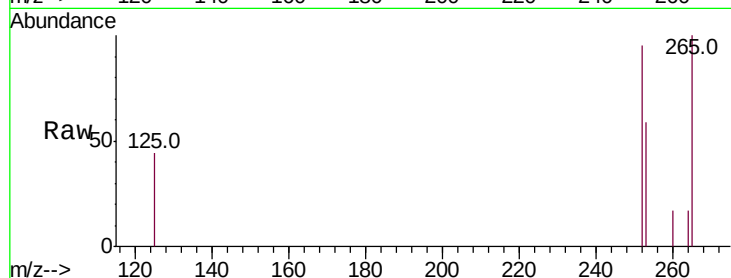
Lab File: BE097120.D

Acq: 31 Jul 2018 13:38

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 252 Resp: 1032

Ion Ratio Lower Upper

252 100

253 62.1 16.0 24.0#

125 46.2 12.0 18.0#

