

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
 Data File : BF097777.D
 Acq On : 17 Aug 2017 9:38
 Operator : SJ/JU
 Sample : I4791-02 10X
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-27-COMP

Quant Time: Aug 17 14:56:16 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

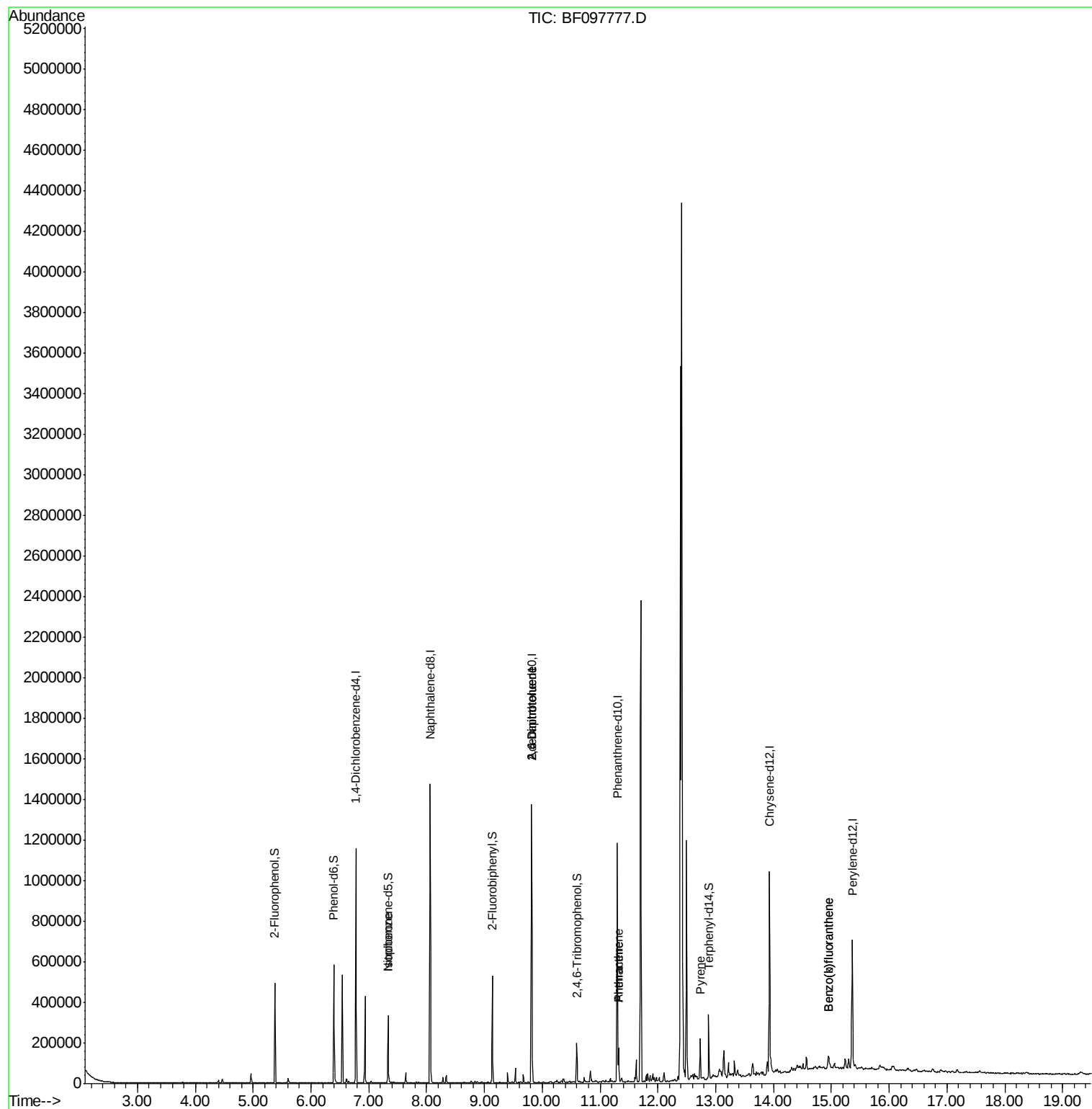
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	154649	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	589307	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	244157	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	366056	20.00	ng	0.00
75) Chrysene-d12	13.93	240	305459	20.00	ng	0.00
86) Perylene-d12	15.36	264	263863	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	126421	12.43	ng	-0.01
7) Phenol-d6	6.40	99	169195	12.25	ng	-0.01
23) Nitrobenzene-d5	7.33	82	100436	9.26	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	17526	8.27	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	157422	9.47	ng	0.00
78) Terphenyl-d14	12.88	244	85483	5.84	ng	-0.01
Target Compounds						
25) Isophorone	7.33	82	100216	4.443	ng	# 67
50) 2,6-Dinitrotoluene	9.82	165	30583	8.585	ng	# 34
56) 2,4-Dinitrotoluene	9.82	165	30583	6.841	ng	# 34
70) Phenanthrene	11.32	178	53979	2.767	ng	97
71) Anthracene	11.32	178	53979	2.728	ng	97
77) Pyrene	12.73	202	56093	2.245	ng	98
87) Benzo(b)fluoranthene	14.95	252	37983	2.284	ng	# 91
88) Benzo(k)fluoranthene	14.95	252	37983	2.431	ng	95

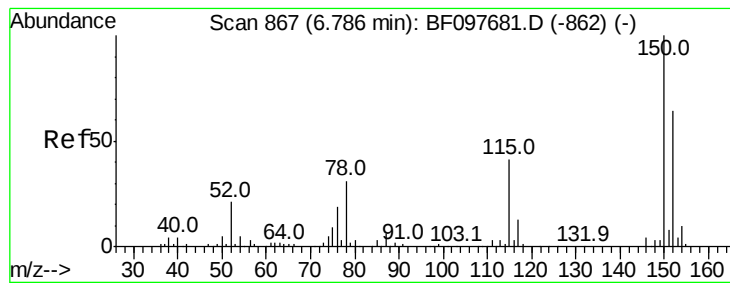
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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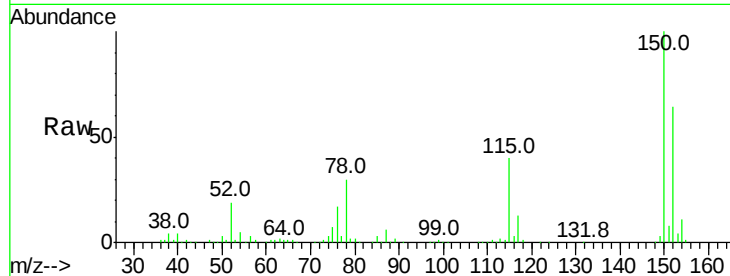


#1

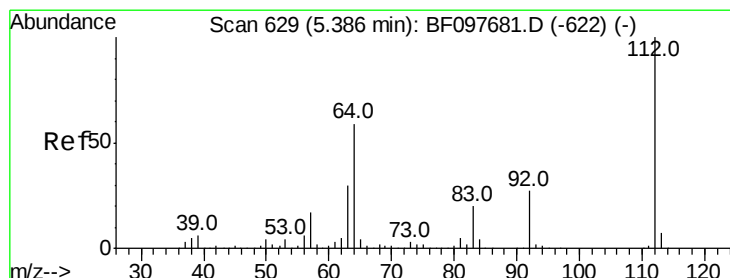
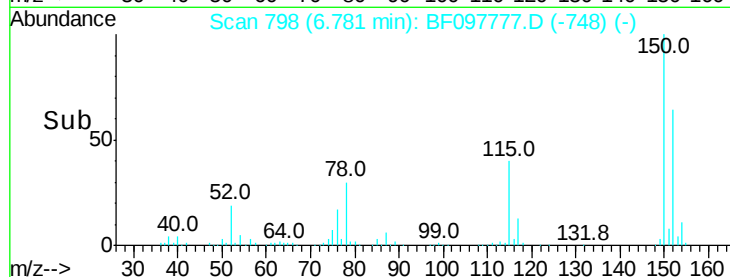
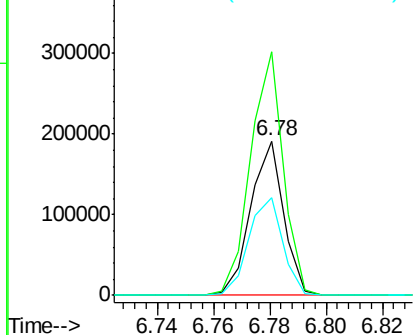
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF097777.D
Acq: 17 Aug 2017 9:38

Instrument :
BNA_F
ClientSampleId :
SB-27-COMP

Tot Ion:152 Resp: 154649
Ion Ratio Lower Upper
152 100
150 157.4 126.2 189.2
115 63.5 52.2 78.2



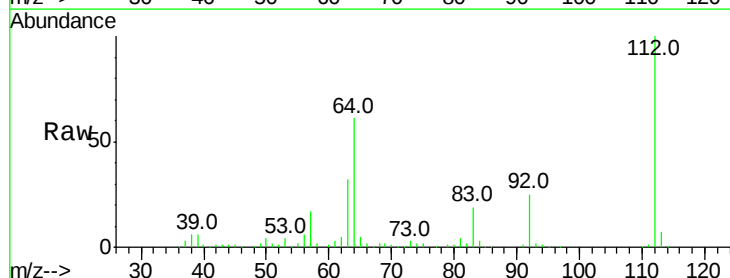
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



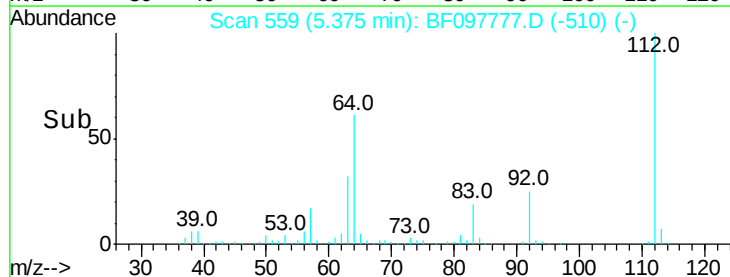
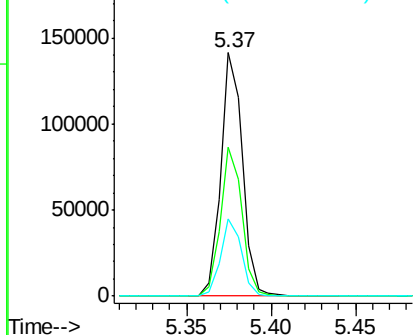
#5

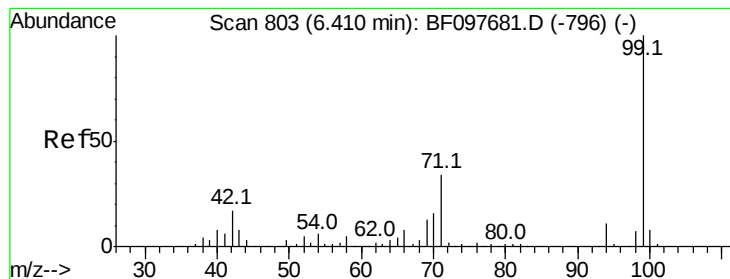
2-Fluorophenol
Concen: 12.434 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF097777.D
Acq: 17 Aug 2017 9:38

Tgt Ion:112 Resp: 126421
Ion Ratio Lower Upper
112 100
64 61.1 46.0 69.0
63 31.7 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 12.248 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF097777.D

Acq: 17 Aug 2017 9:38

Instrument :

BNA_F

ClientSampleId :

SB-27-COMP

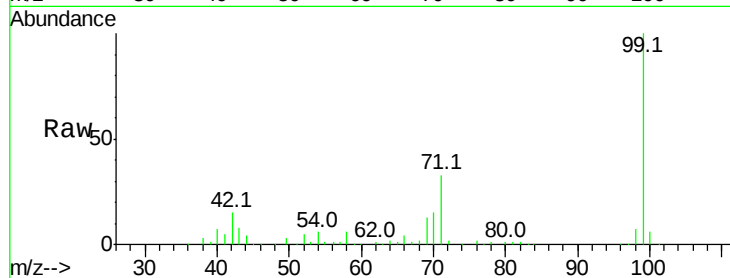
Tot Ion: 99 Resp: 169195

Ion Ratio Lower Upper

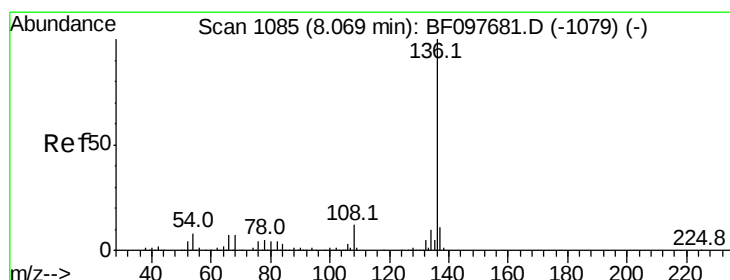
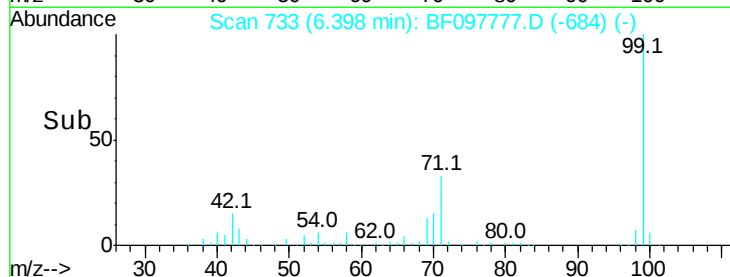
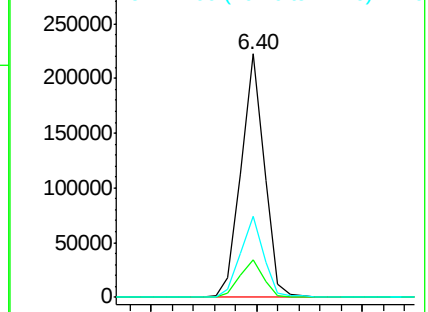
99 100

42 15.3 13.5 20.3

71 33.1 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.06 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BF097777.D

Acq: 17 Aug 2017 9:38

Tgt Ion: 136 Resp: 589307

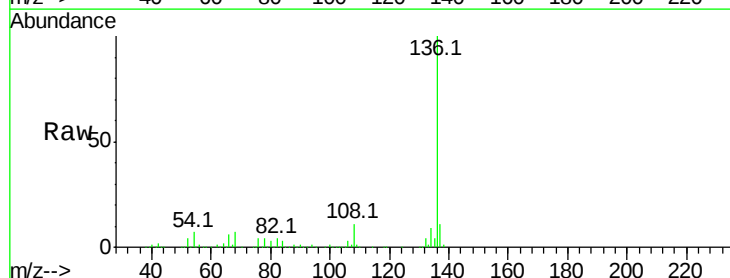
Ion Ratio Lower Upper

136 100

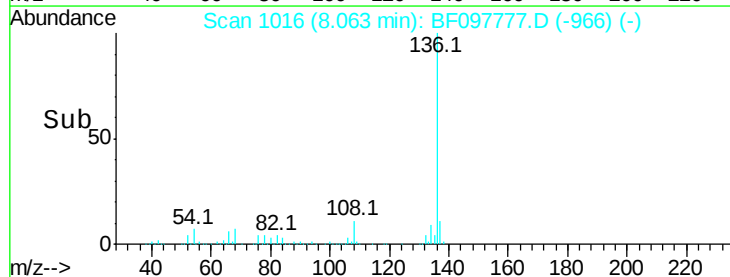
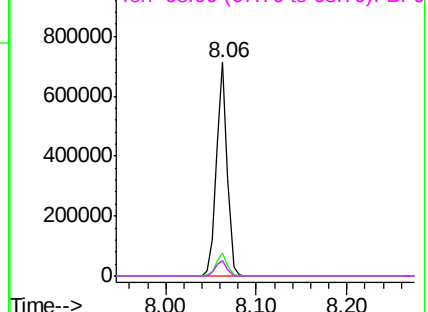
137 11.0 8.5 12.7

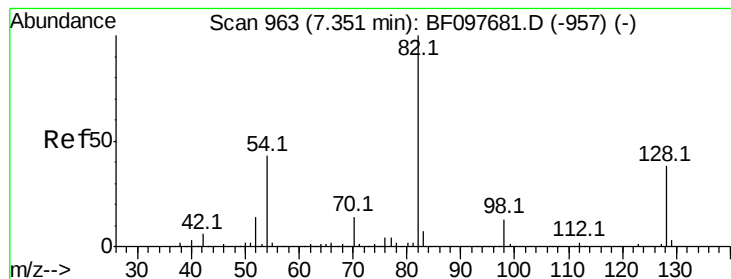
54 7.4 4.9 7.3#

68 7.3 4.1 6.1#



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): BF0
Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 9.259 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.02 min

Lab File: BF097777.D

Acq: 17 Aug 2017 9:38

Instrument :

BNA_F

ClientSampleId :

SB-27-COMP

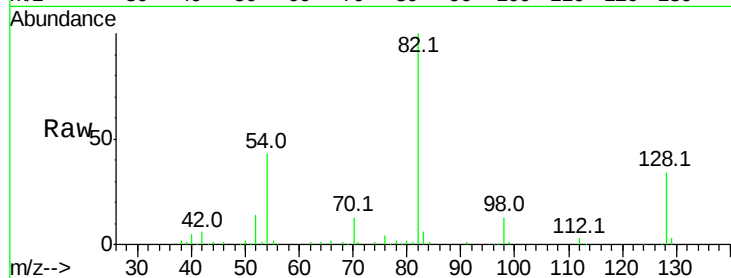
Tot Ion: 82 Resp: 100436

Ion Ratio Lower Upper

82 100

128 33.7 34.0 51.0#

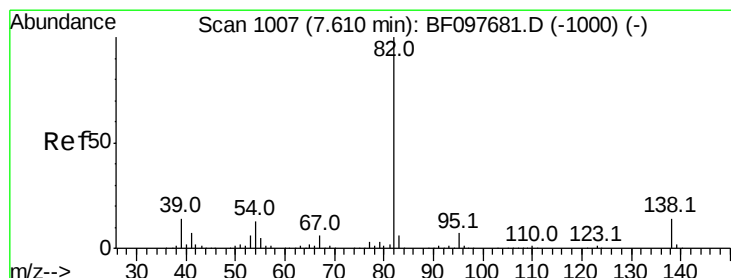
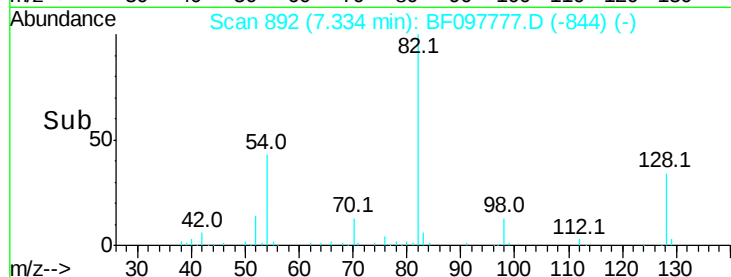
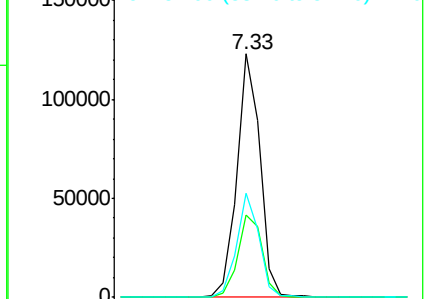
54 42.5 42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 4.443 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.28 min

Lab File: BF097777.D

Acq: 17 Aug 2017 9:38

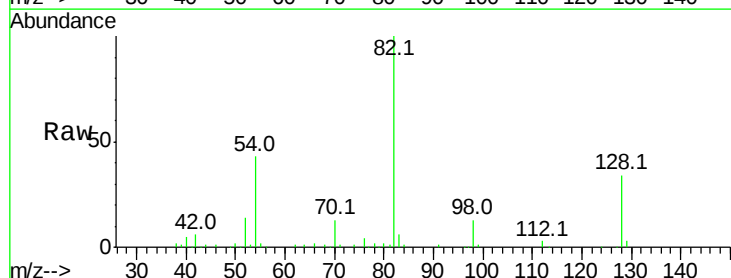
Tgt Ion: 82 Resp: 100216

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

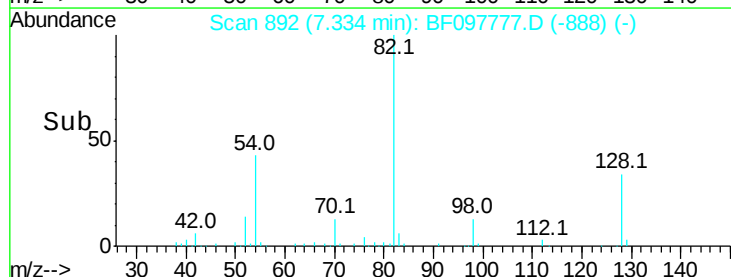
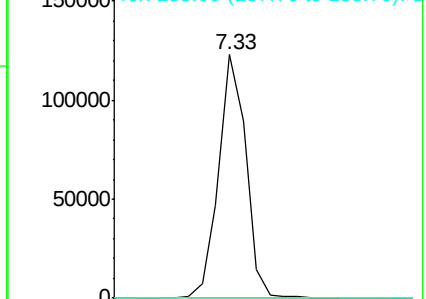
138 0.0 13.1 19.7#

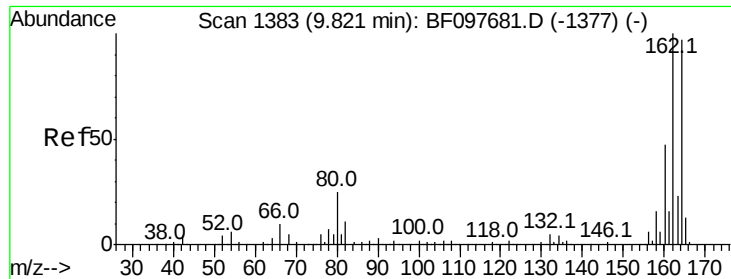


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.82 min Scan# 1314

Delta R.T. -0.01 min

Lab File: BF097777.D

Acq: 17 Aug 2017 9:38

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ClientSampleId :

SB-27-COMP

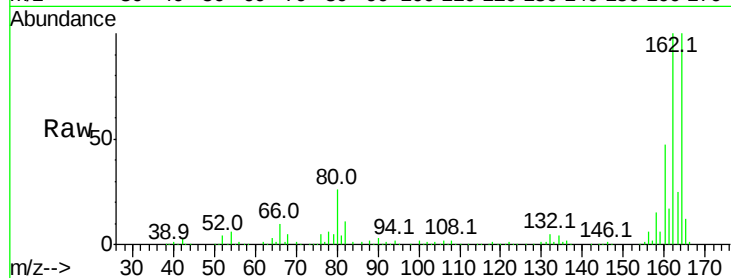
Tot Ion:164 Resp: 244157

Ion Ratio Lower Upper

164 100

162 99.5 82.6 123.8

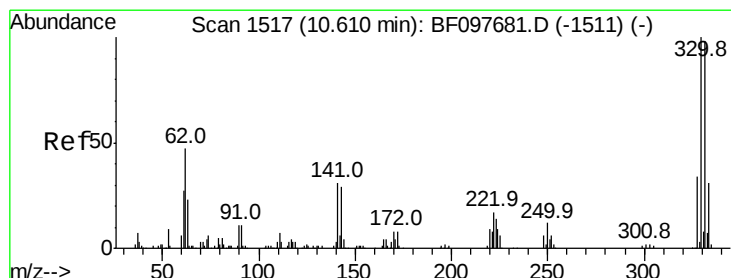
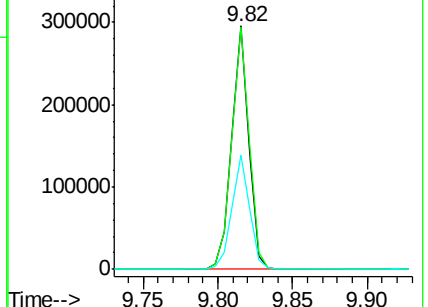
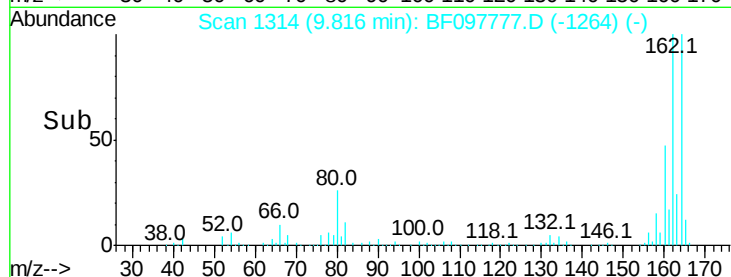
160 47.0 36.2 54.2



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



#41

2,4,6-Tribromophenol

Concen: 8.273 ng

RT: 10.60 min Scan# 1447

Delta R.T. -0.01 min

Lab File: BF097777.D

Acq: 17 Aug 2017 9:38

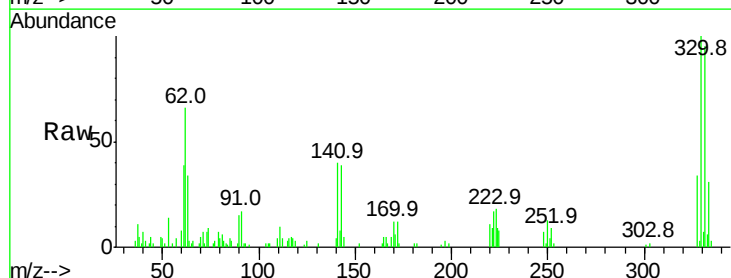
Tgt Ion:330 Resp: 17526

Ion Ratio Lower Upper

330 100

332 97.3 76.6 115.0

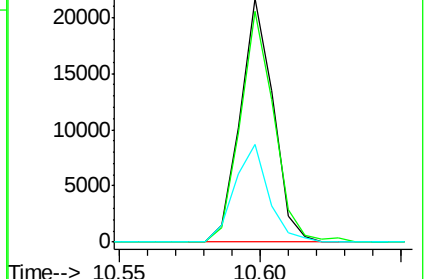
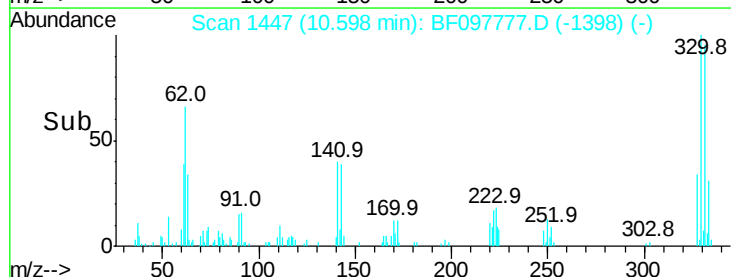
141 41.5 31.4 47.2



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

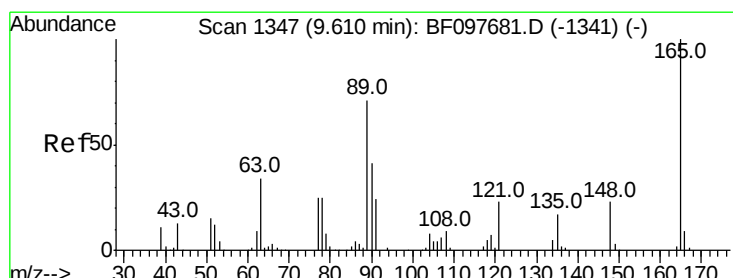
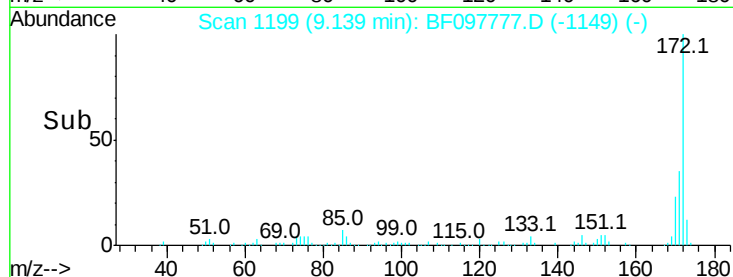
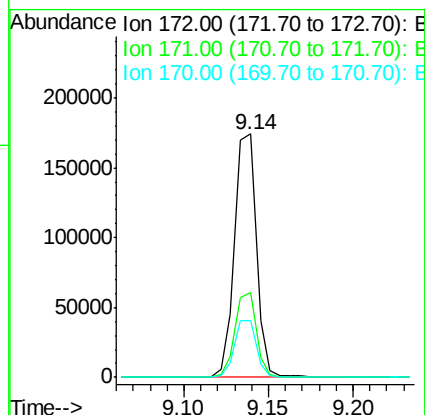
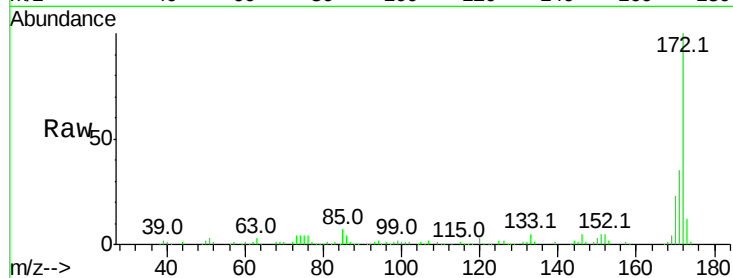




#44
 2-Fluorobiphenyl
 Concen: 9.473 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF097777.D
 Acq: 17 Aug 2017 9:38

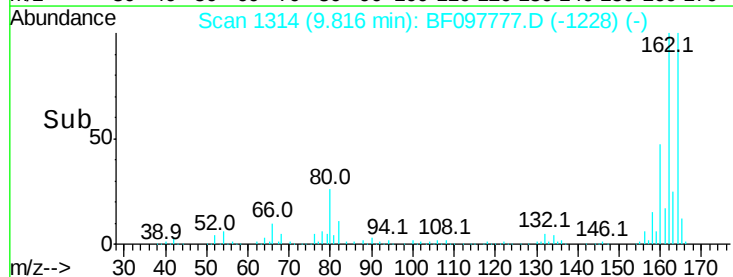
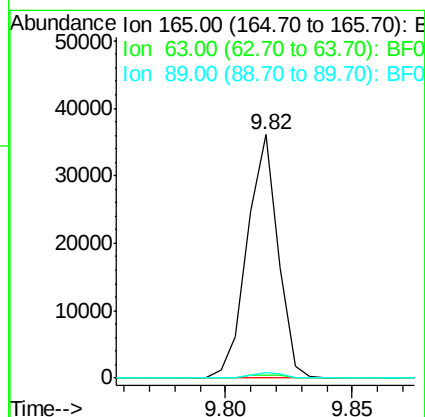
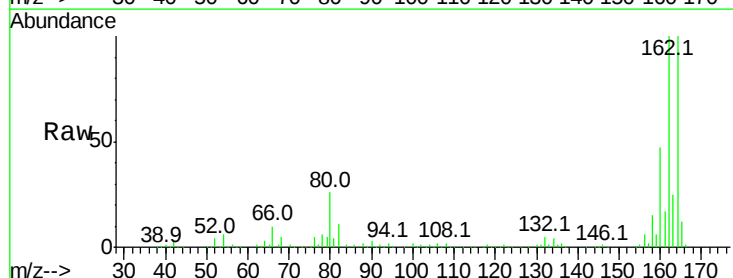
Instrument :
 BNA_F
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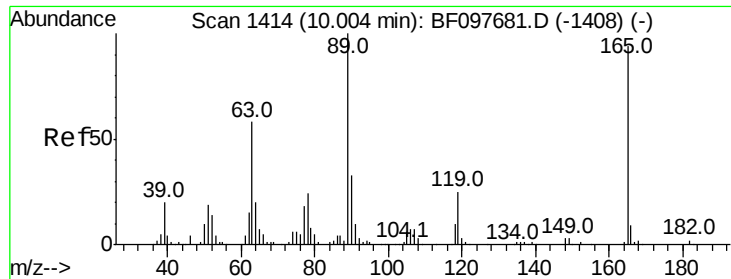
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.6	44.4
170	23.1	19.8	29.8



#50
 2,6-Dinitrotoluene
 Concen: 8.585 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. 0.21 min
 Lab File: BF097777.D
 Acq: 17 Aug 2017 9:38

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	34.3	51.5#
89	2.2	37.1	55.7#

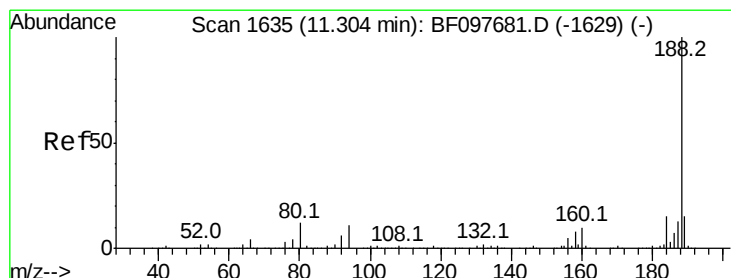
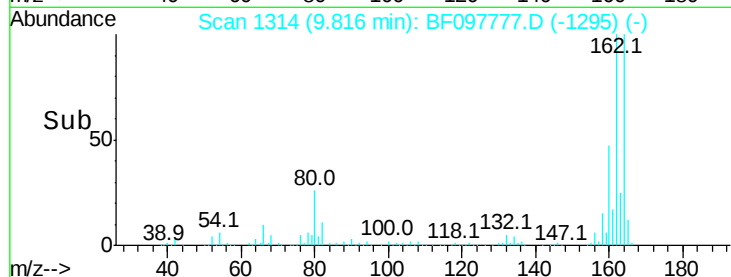
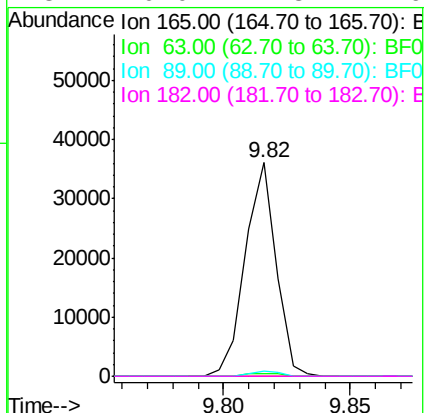
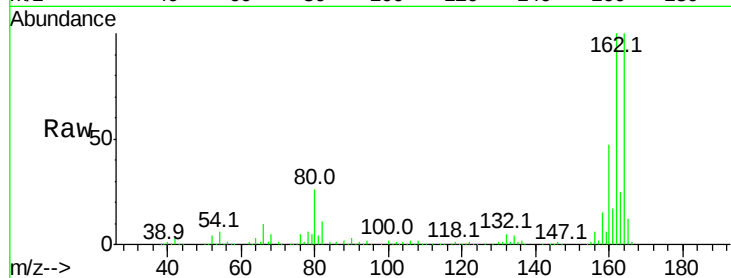




#56
 2,4-Dinitrotoluene
 Concen: 6.841 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.19 min
 Lab File: BF097777.D
 Acq: 17 Aug 2017 9:38

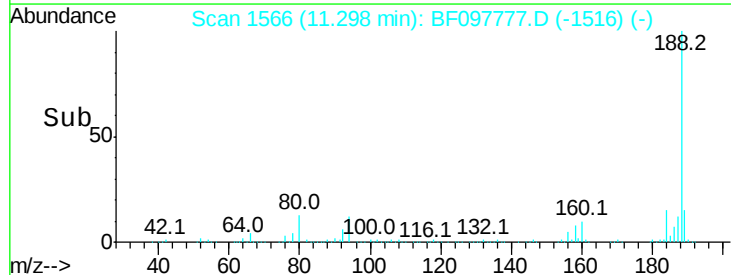
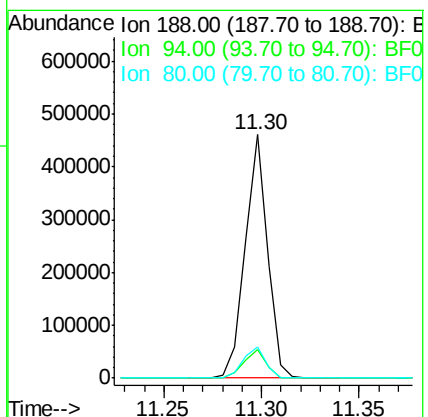
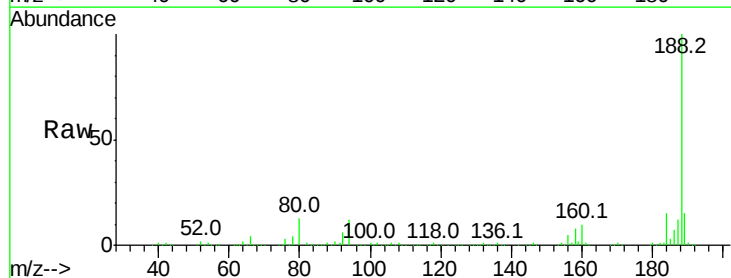
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 BNA_F
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 SB-27-COMP

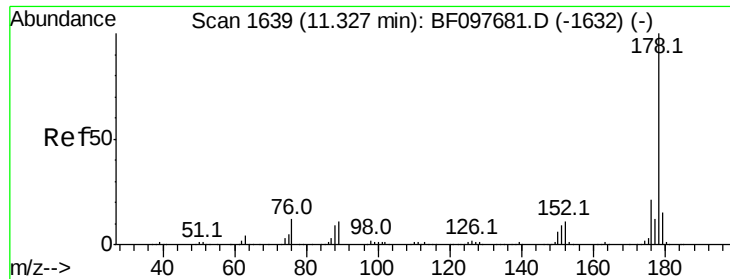
Tot Ion:165 Resp: 30583
 Ion Ratio Lower Upper
 165 100
 63 1.3 25.4 38.0#
 89 2.2 46.4 69.6#
 182 0.0 1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.30 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: BF097777.D
 Acq: 17 Aug 2017 9:38

Tgt Ion:188 Resp: 366056
 Ion Ratio Lower Upper
 188 100
 94 11.7 9.4 14.2
 80 12.5 10.2 15.2

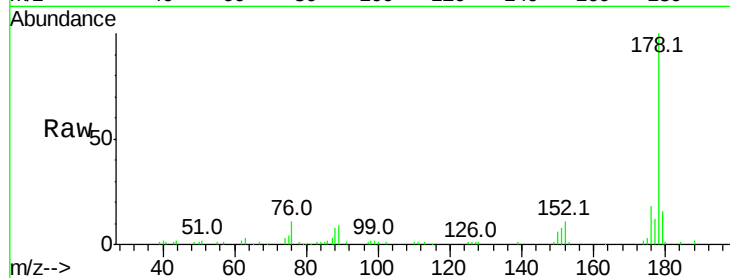




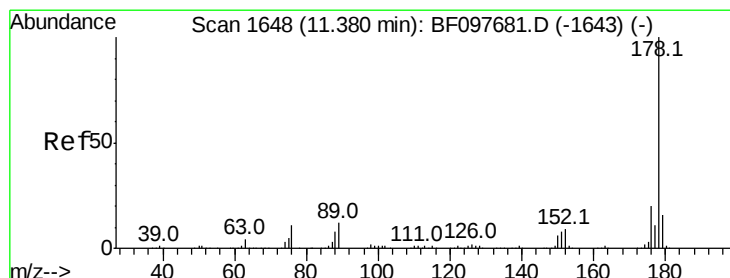
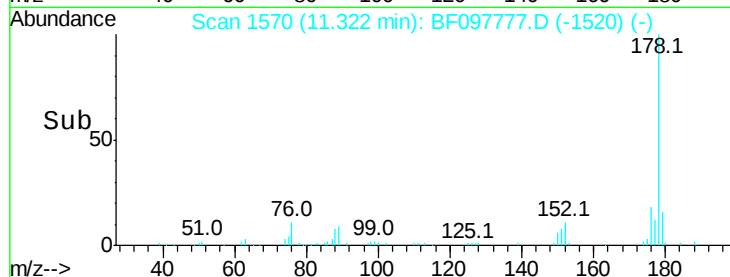
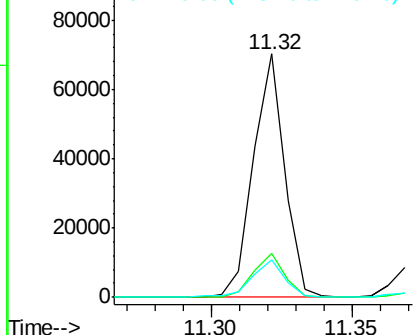
#70
Phenanthrene
Concen: 2.767 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF097777.D
Acq: 17 Aug 2017 9:38

Instrument :
BNA_F
ClientSampleId :
SB-27-COMP

Tot Ion:178 Resp: 53979
Ion Ratio Lower Upper
178 100
176 17.9 16.2 24.4
179 15.6 12.6 19.0

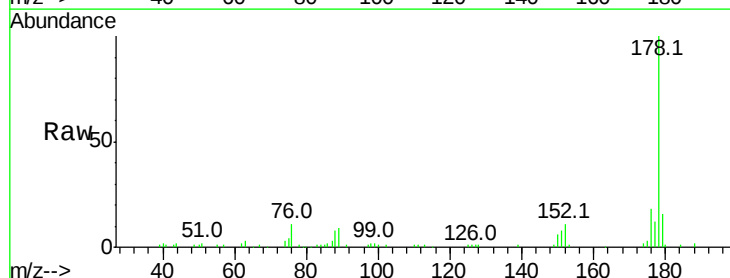


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

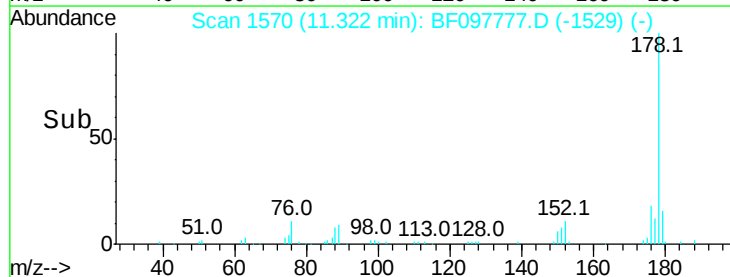
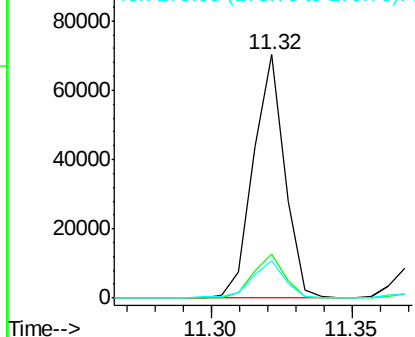


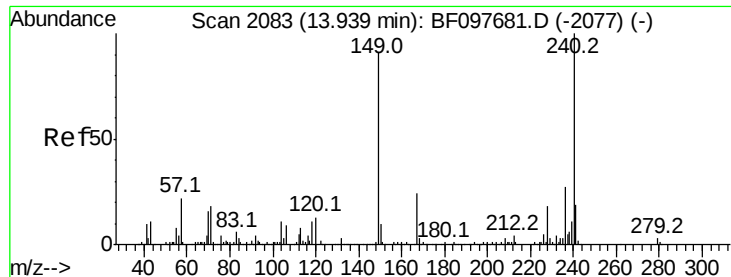
#71
Anthracene
Concen: 2.728 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.06 min
Lab File: BF097777.D
Acq: 17 Aug 2017 9:38

Tgt Ion:178 Resp: 53979
Ion Ratio Lower Upper
178 100
176 17.9 15.8 23.8
179 15.6 12.7 19.1



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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.93 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF097777.D

Acq: 17 Aug 2017 9:38

Instrument :

BNA_F

ClientSampleId :

SB-27-COMP

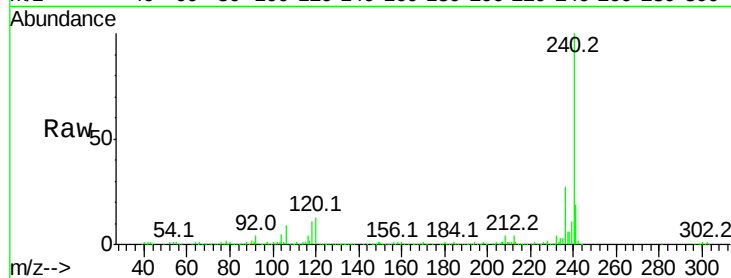
Tot Ion:240 Resp: 305459

Ion Ratio Lower Upper

240 100

120 12.7 5.8 8.8#

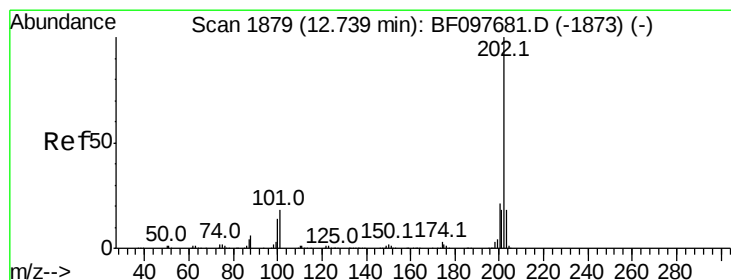
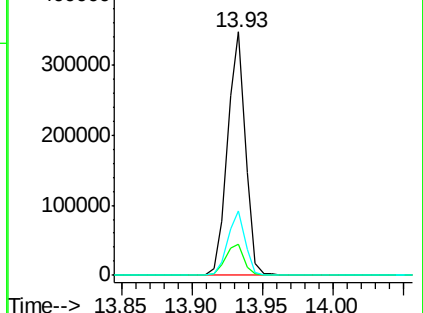
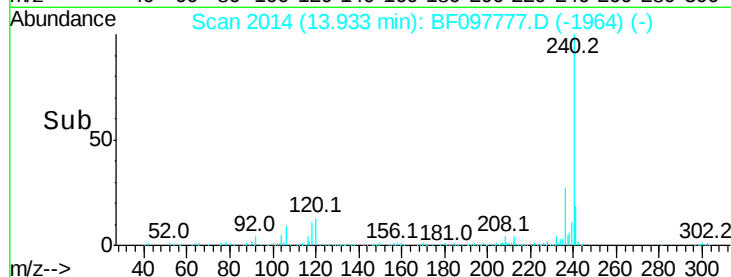
236 26.6 20.5 30.7



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



#77

Pyrene

Concen: 2.245 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BF097777.D

Acq: 17 Aug 2017 9:38

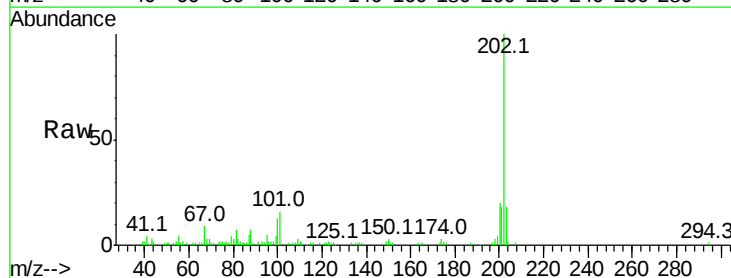
Tgt Ion:202 Resp: 56093

Ion Ratio Lower Upper

202 100

200 20.1 17.6 26.4

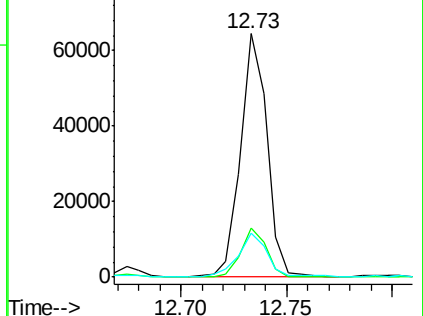
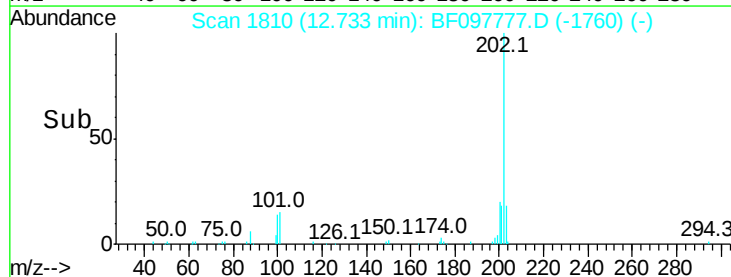
203 18.2 14.4 21.6

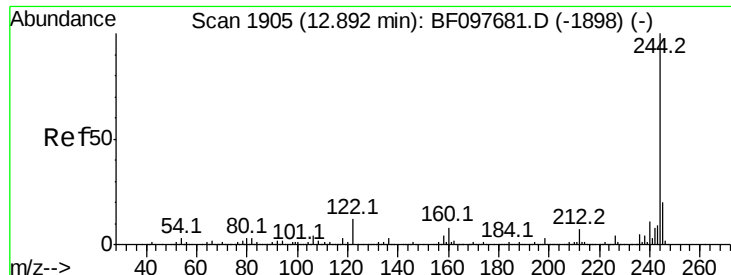


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 5.836 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF097777.D

Acq: 17 Aug 2017 9:38

Instrument :

BNA_F

ClientSampled :

SB-27-COMP

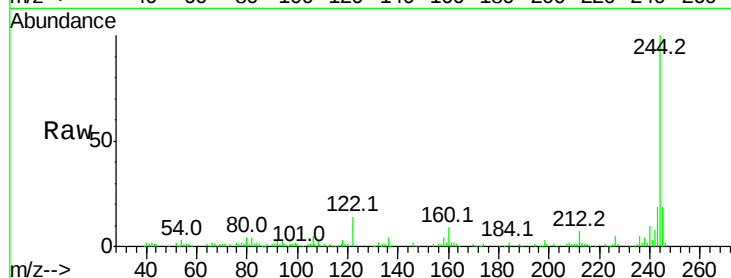
Tot Ion:244 Resp: 85483

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

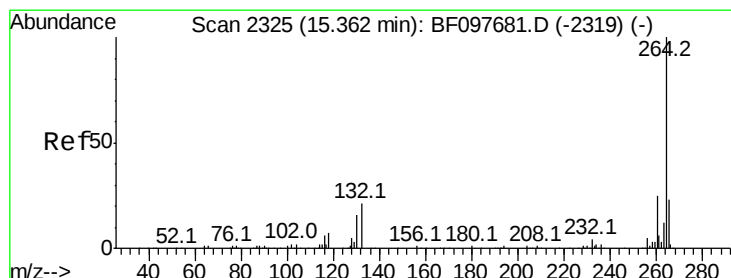
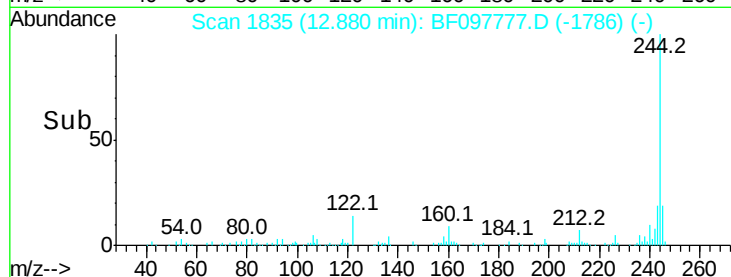
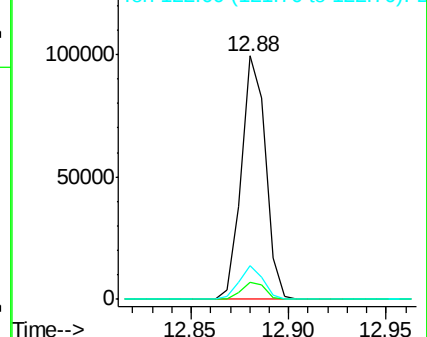
122 13.7 10.3 15.5



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.36 min Scan# 2257

Delta R.T. 0.00 min

Lab File: BF097777.D

Acq: 17 Aug 2017 9:38

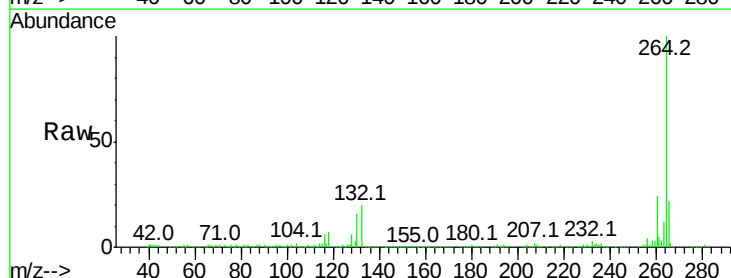
Tgt Ion:264 Resp: 263863

Ion Ratio Lower Upper

264 100

260 23.7 19.5 29.3

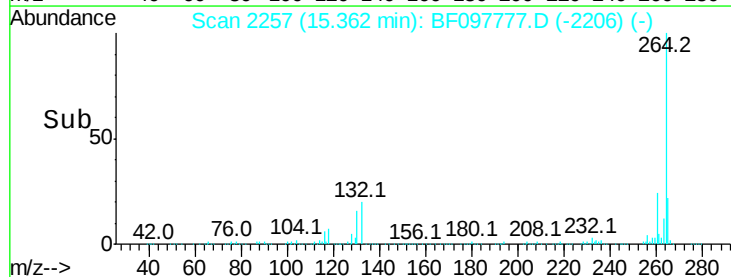
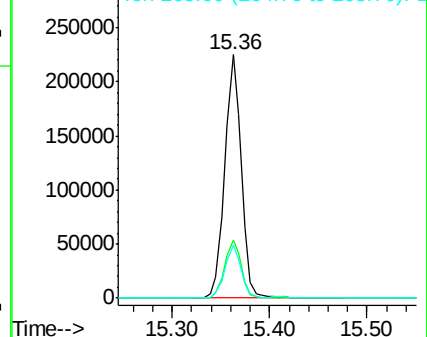
265 22.0 17.2 25.8

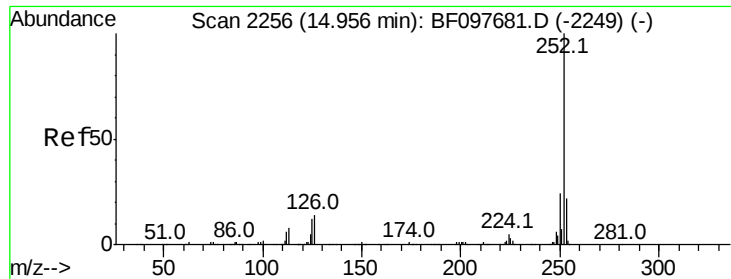


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

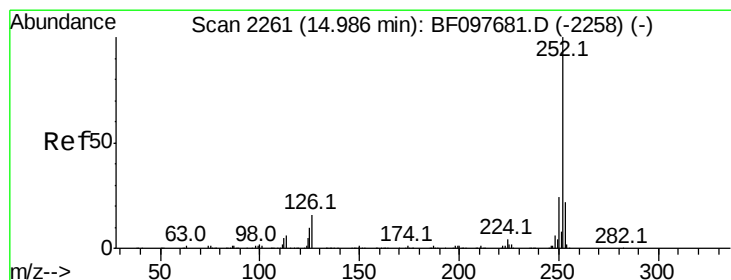
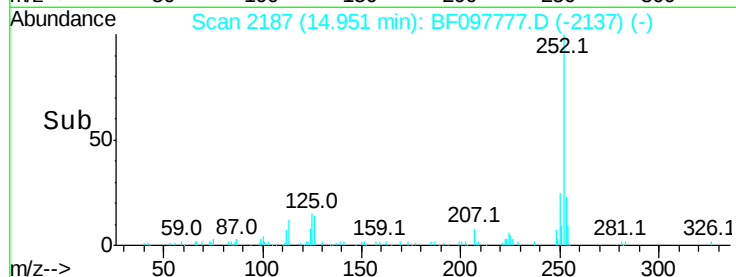
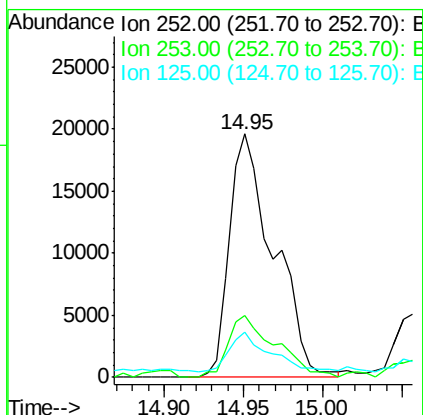
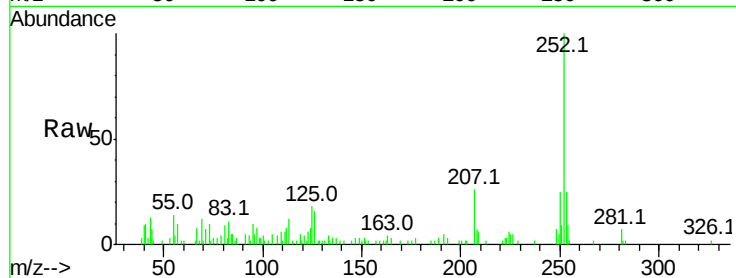




#87
Benzo(b)fluoranthene
Concen: 2.284 ng
RT: 14.95 min Scan# 2187
Delta R.T. -0.01 min
Lab File: BF097777.D
Acq: 17 Aug 2017 9:38

Instrument :
BNA_F
ClientSampleId :
SB-27-COMP

Tot Ion:252 Resp: 37983
Ion Ratio Lower Upper
252 100
253 25.2 18.1 27.1
125 18.4 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 2.431 ng
RT: 14.95 min Scan# 2187
Delta R.T. -0.04 min
Lab File: BF097777.D
Acq: 17 Aug 2017 9:38

Tgt Ion:252 Resp: 37983
Ion Ratio Lower Upper
252 100
253 25.2 18.4 27.6
125 18.4 13.1 19.7

