

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
 Data File : BF097778.D
 Acq On : 17 Aug 2017 10:05
 Operator : SJ/JU
 Sample : I4791-04 10X
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-33-COMP

Quant Time: Aug 17 14:56:41 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	160782	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	602758	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	244457	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	359462	20.00	ng	0.00
75) Chrysene-d12	13.93	240	295563	20.00	ng	0.00
86) Perylene-d12	15.37	264	255127	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	80037	7.57	ng	-0.01
7) Phenol-d6	6.40	99	159922	11.14	ng	-0.01
23) Nitrobenzene-d5	7.33	82	99966	9.01	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	6310	2.97	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	148192	8.91	ng	-0.01
78) Terphenyl-d14	12.88	244	79273	5.59	ng	-0.01

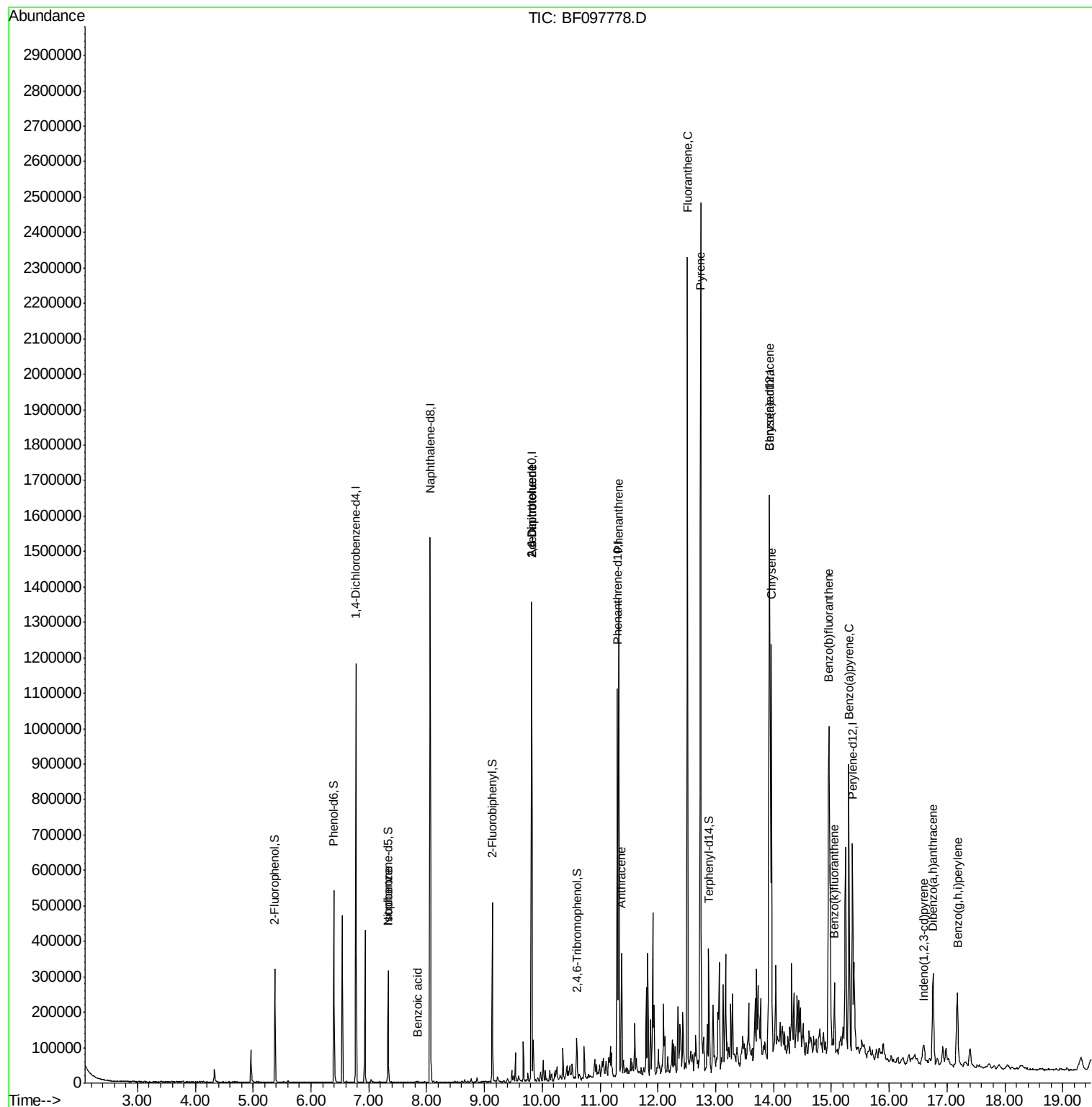
Target Compounds				Qvalue		
25) Isophorone	7.33	82	99792	4.325	ng	# 67
32) Benzoic acid	7.85	122	107	6.418	ng	# 1
50) 2,6-Dinitrotoluene	9.82	165	31304	8.776	ng	# 34
56) 2,4-Dinitrotoluene	9.82	165	31304	6.993	ng	# 33
70) Phenanthrene	11.32	178	434311	22.674	ng	99
71) Anthracene	11.37	178	127417	6.558	ng	98
74) Fluoranthene	12.51	202	918979	45.965	ng	98
77) Pyrene	12.74	202	1061180	43.898	ng	98
80) Benzo(a)anthracene	13.93	228	482001	27.210	ng	99
82) Chrysene	13.96	228	439559	24.944	ng	98
85) Indeno(1,2,3-cd)pyrene	16.61	276	30635	2.363	ng	96
87) Benzo(b)fluoranthene	14.96	252	669028	41.602	ng	99
88) Benzo(k)fluoranthene	15.06	252	76892	5.089	ng	94
89) Benzo(a)pyrene	15.30	252	386563	27.153	ng	98
90) Dibenzo(a,h)anthracene	16.77	278	40642	3.507	ng	96
91) Benzo(g,h,i)perylene	17.18	276	152859	12.640	ng	93

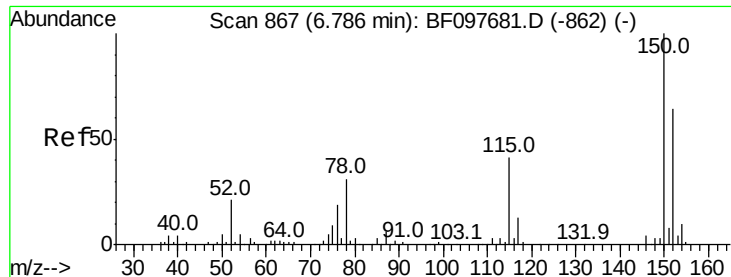
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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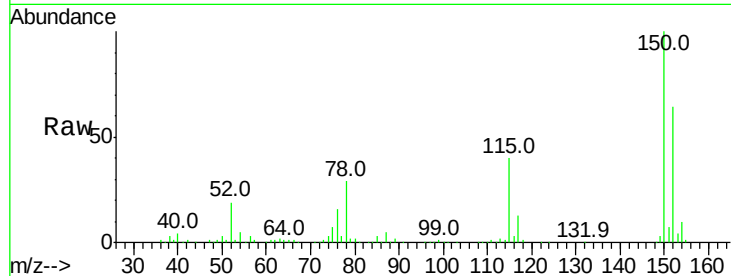


#1

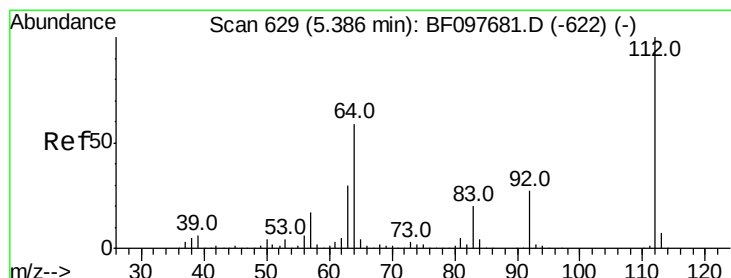
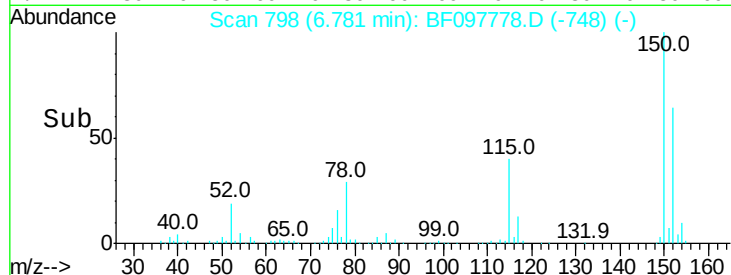
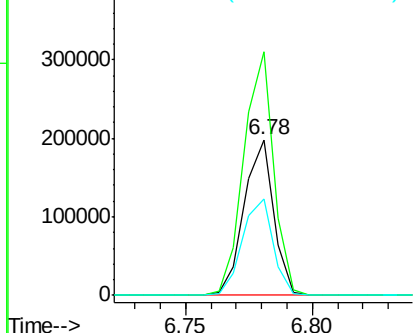
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.78 min Scan# 798
 Delta R.T. -0.01 min
 Lab File: BF097778.D
 Acq: 17 Aug 2017 10:05

Instrument :
 BNA_F
 ClientSampleId :
 SB-33-COMP

Tot Ion:152 Resp: 160782
 Ion Ratio Lower Upper
 152 100
 150 156.3 126.2 189.2
 115 61.8 52.2 78.2



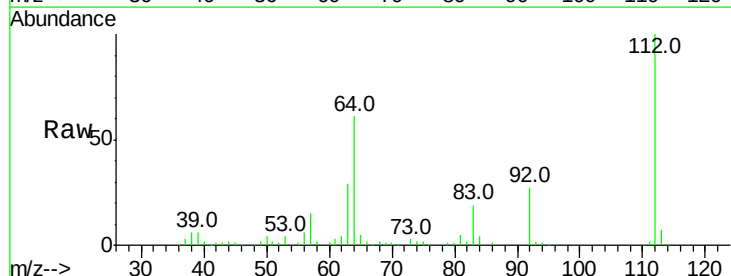
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



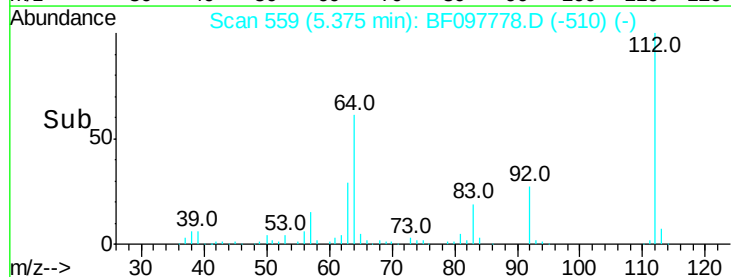
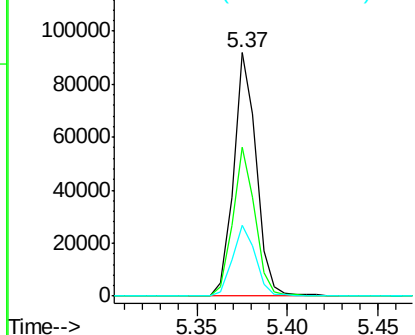
#5

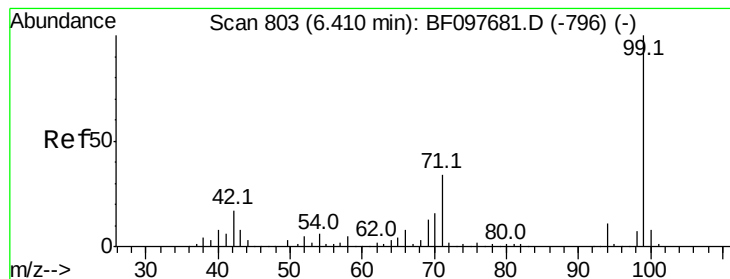
2-Fluorophenol
 Concen: 7.572 ng
 RT: 5.37 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: BF097778.D
 Acq: 17 Aug 2017 10:05

Tgt Ion:112 Resp: 80037
 Ion Ratio Lower Upper
 112 100
 64 61.2 46.0 69.0
 63 29.2 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: 11.135 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF097778.D

Acq: 17 Aug 2017 10:05

Instrument :

BNA_F

ClientSampleId :

SB-33-COMP

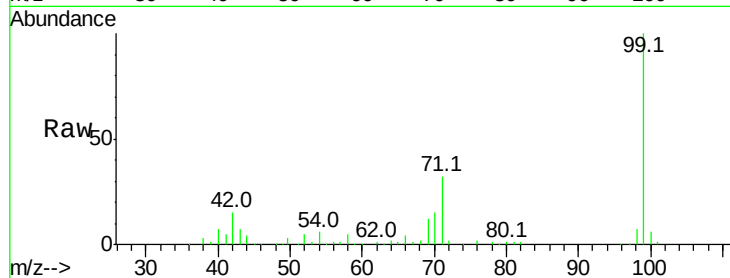
Tot Ion: 99 Resp: 159922

Ion Ratio Lower Upper

99 100

42 15.2 13.5 20.3

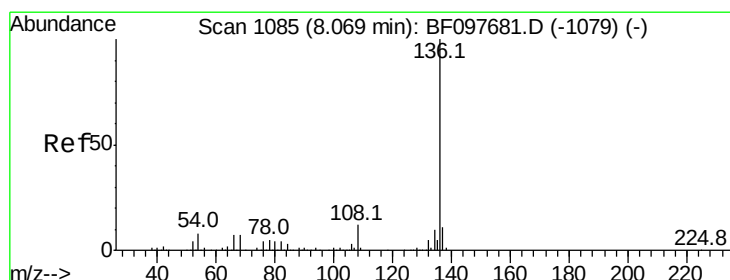
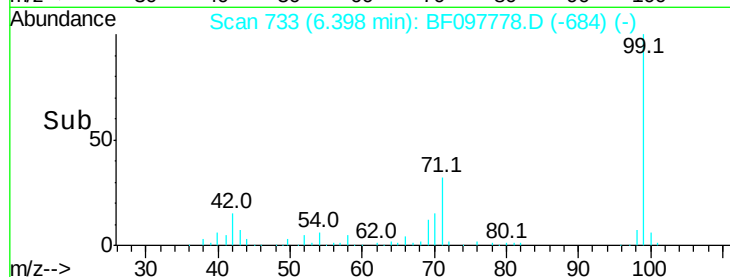
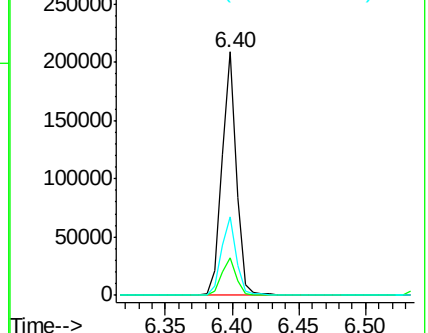
71 32.5 24.5 36.7



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: BF097778.D

Acq: 17 Aug 2017 10:05

Tgt Ion: 136 Resp: 602758

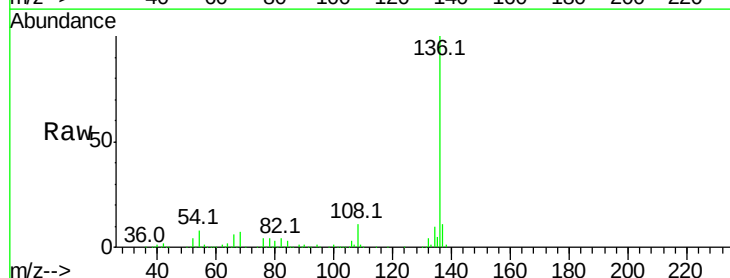
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 7.5 4.9 7.3#

68 7.2 4.1 6.1#

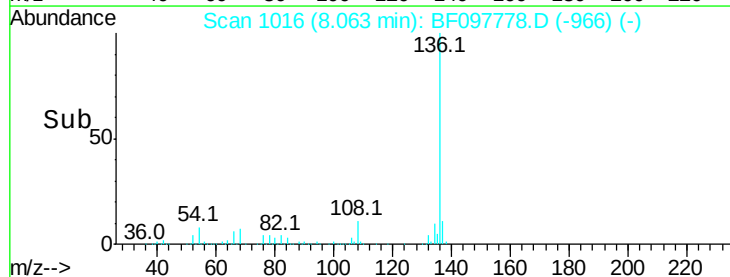
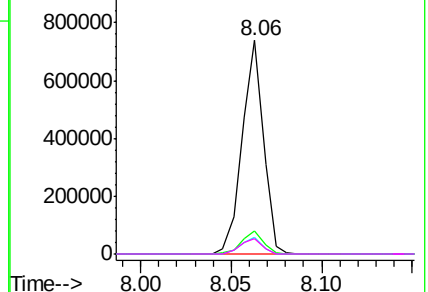


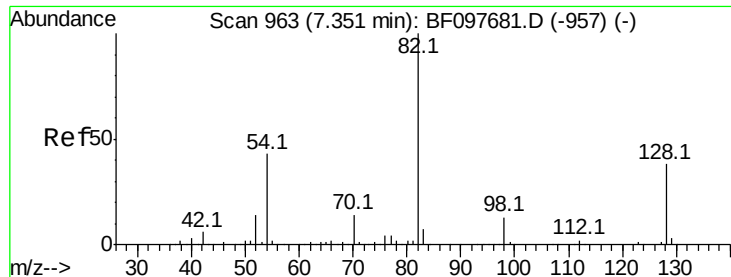
Abundance Ion 136.00 (135.70 to 136.70): E

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

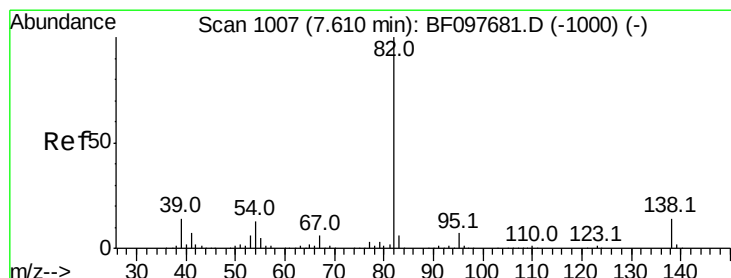
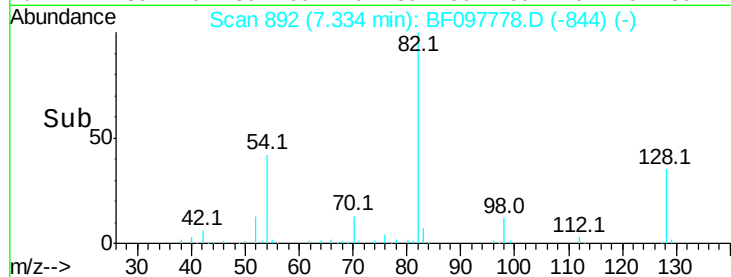
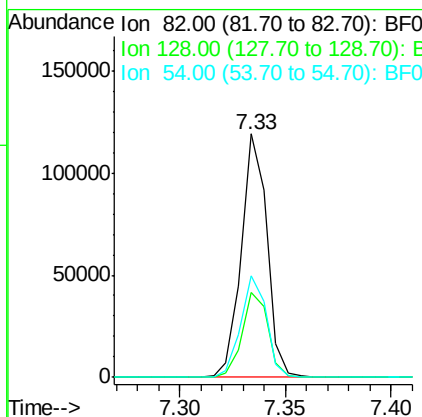
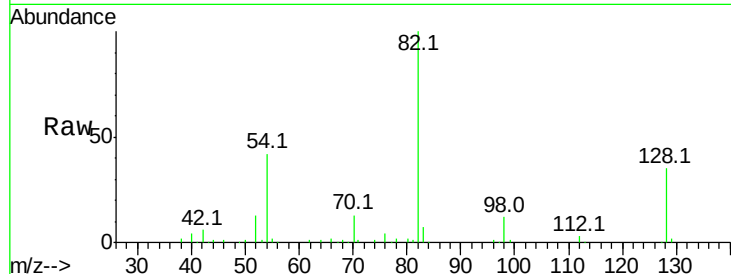




#23
 Nitrobenzene-d5
 Concen: 9.010 ng
 RT: 7.33 min Scan# 892
 Delta R.T. -0.02 min
 Lab File: BF097778.D
 Acq: 17 Aug 2017 10:05

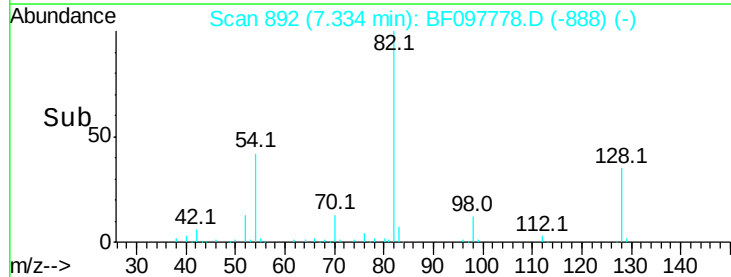
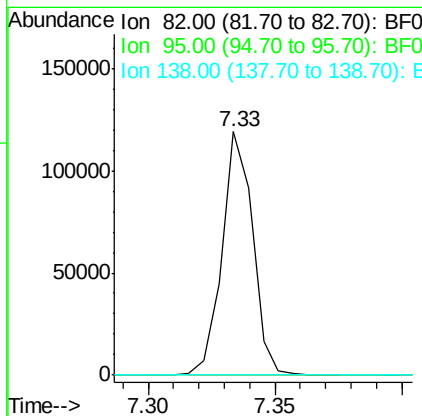
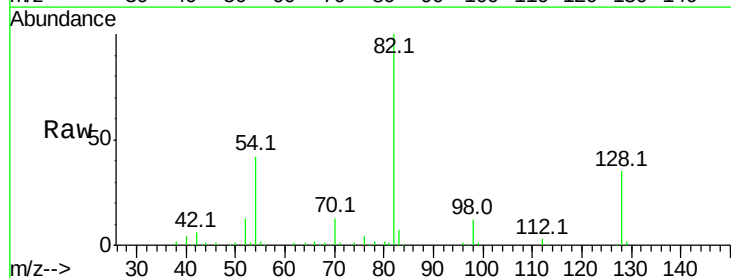
Instrument :
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 SB-33-COMP

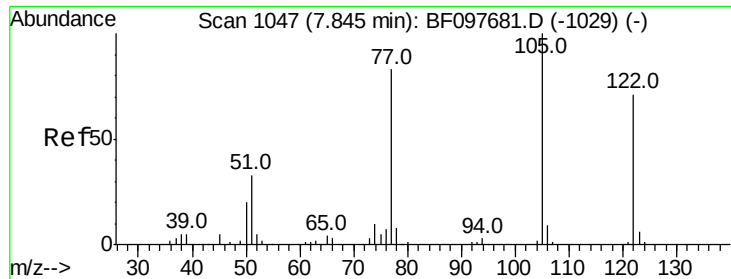
Tot Ion	82	Resp	99966
Ion Ratio	Lower	Upper	
82	100		
128	34.8	34.0	51.0
54	41.9	42.2	63.2#



#25
 Isophorone
 Concen: 4.325 ng
 RT: 7.33 min Scan# 892
 Delta R.T. -0.28 min
 Lab File: BF097778.D
 Acq: 17 Aug 2017 10:05

Tgt Ion	82	Resp	99792
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#

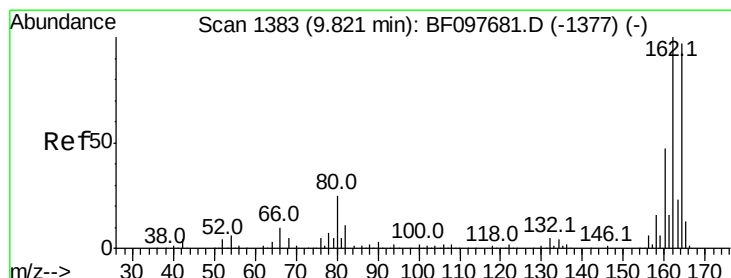
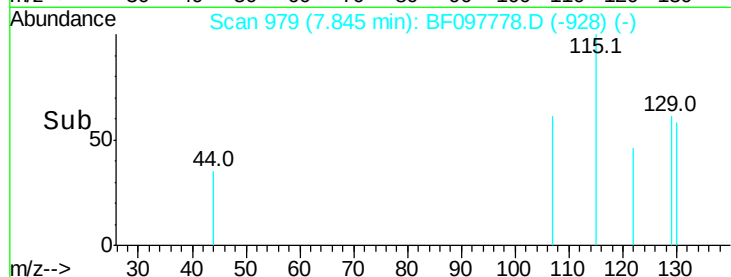
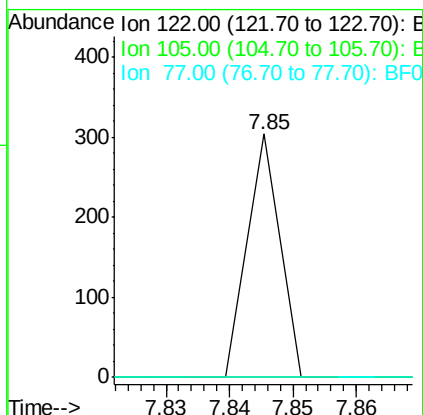
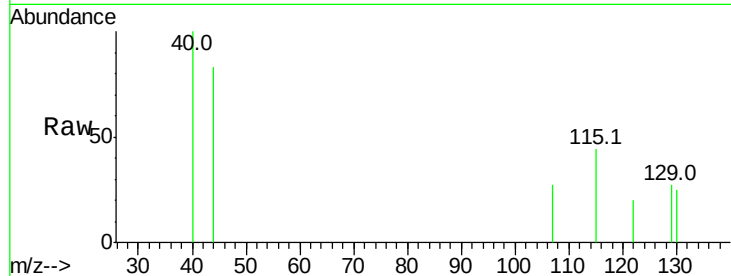




#32
Benzoic acid
Concen: 6.418 ng
RT: 7.85 min Scan# 979
Delta R.T. 0.00 min
Lab File: BF097778.D
Acq: 17 Aug 2017 10:05

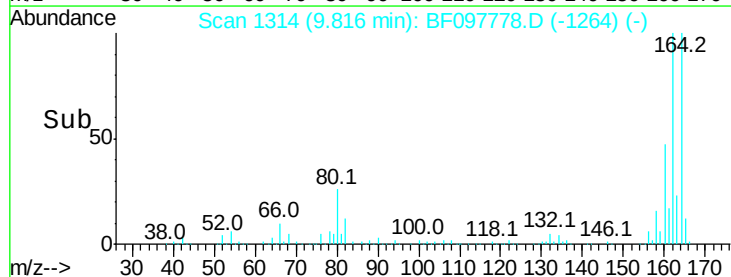
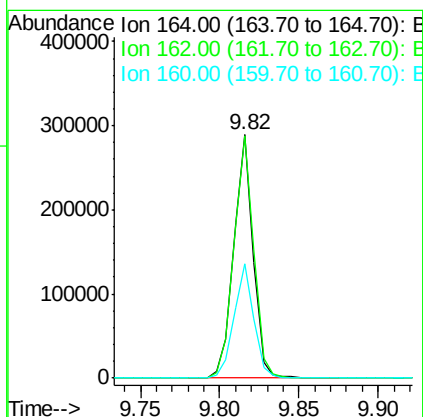
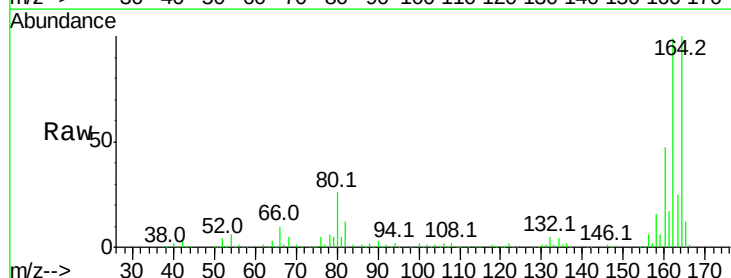
Instrument :
BNA_F
ClientSampleId :
SB-33-COMP

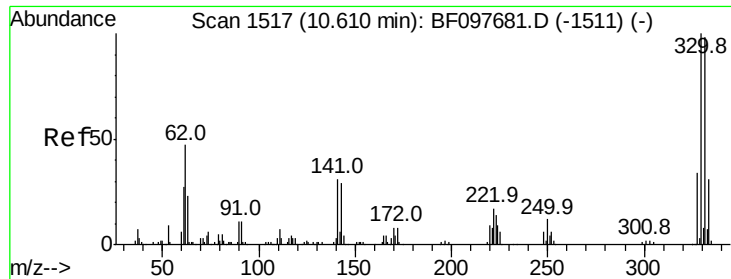
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	103.3	143.3#
77	0.0	73.7	113.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.01 min
Lab File: BF097778.D
Acq: 17 Aug 2017 10:05

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.4	82.6	123.8
160	46.9	36.2	54.2





#41

2,4,6-Tribromophenol

Concen: 2.975 ng

RT: 10.60 min Scan# 1447

Delta R.T. -0.01 min

Lab File: BF097778.D

Acq: 17 Aug 2017 10:05

Instrument :

BNA_F

ClientSampleId :

SB-33-COMP

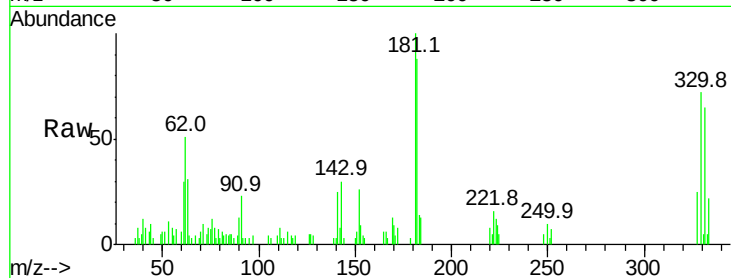
Tot Ion:330 Resp: 6310

Ion Ratio Lower Upper

330 100

332 95.9 76.6 115.0

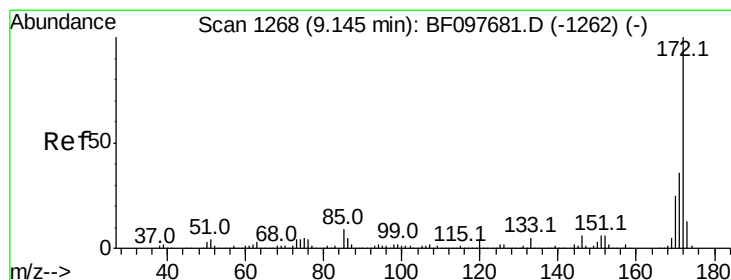
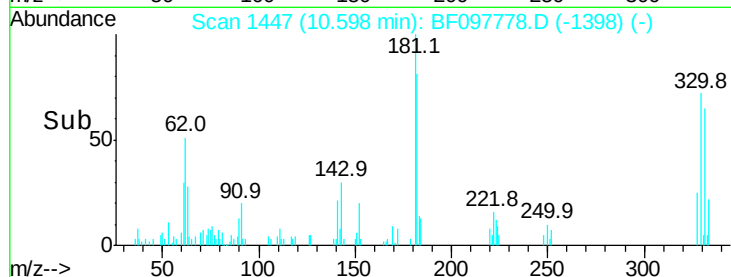
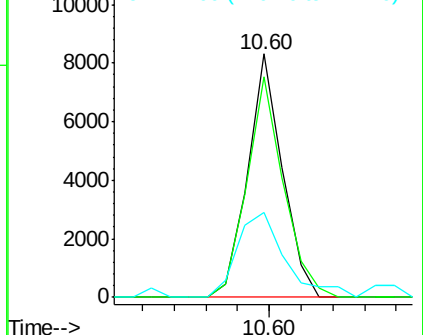
141 48.1 31.4 47.2#



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: 8.906 ng

RT: 9.13 min Scan# 1198

Delta R.T. -0.01 min

Lab File: BF097778.D

Acq: 17 Aug 2017 10:05

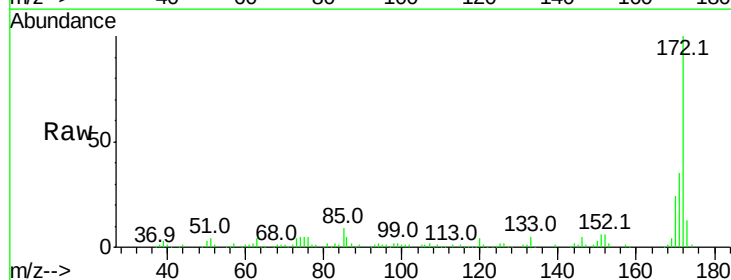
Tgt Ion:172 Resp: 148192

Ion Ratio Lower Upper

172 100

171 35.3 29.6 44.4

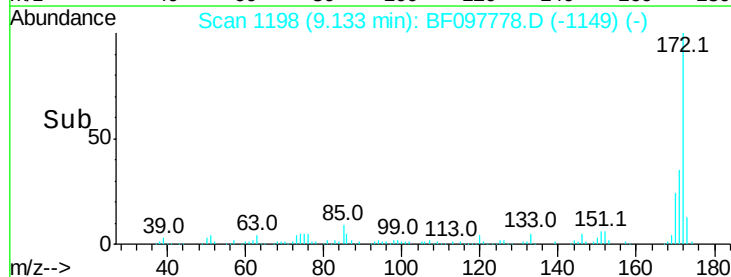
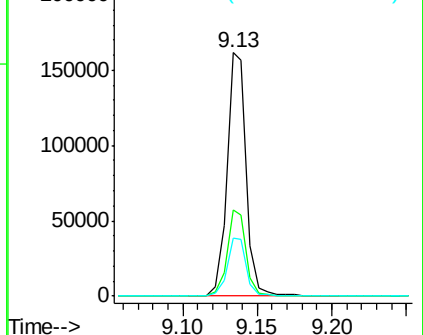
170 23.9 19.8 29.8

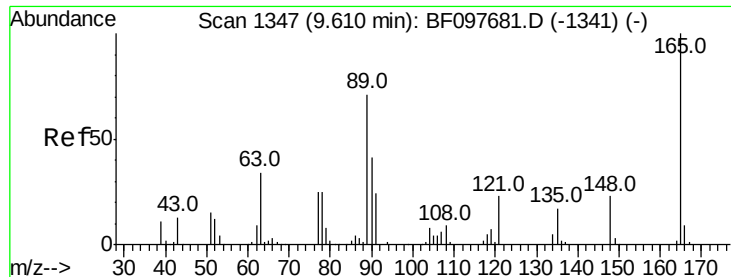


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

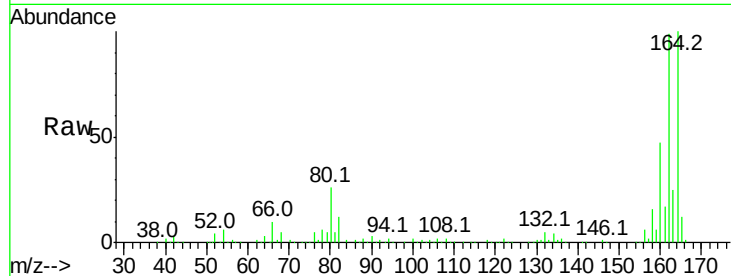




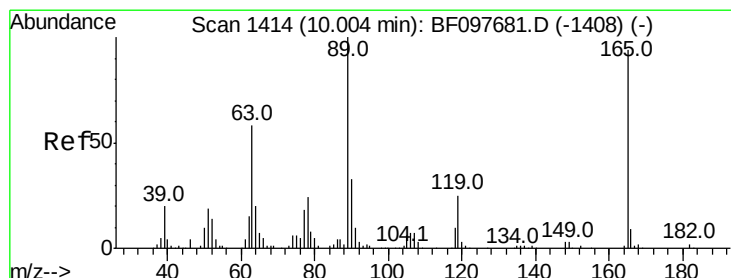
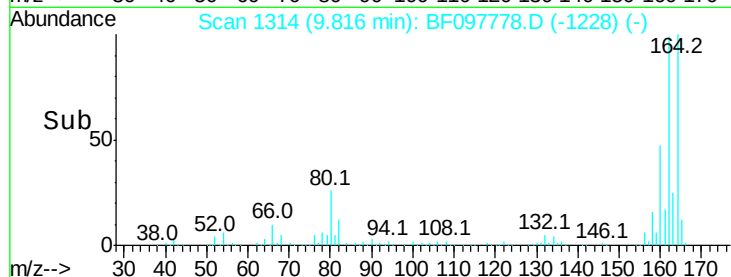
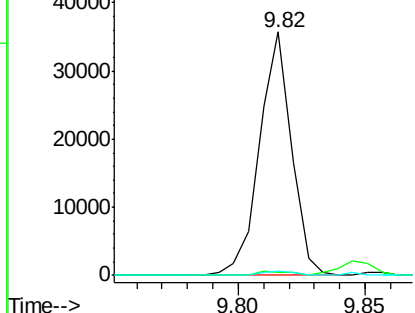
#50
 2,6-Dinitrotoluene
 Concen: 8.776 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. 0.21 min
 Lab File: BF097778.D
 Acq: 17 Aug 2017 10:05

Instrument :
 BNA_F
 ClientSampleId :
 SB-33-COMP

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	34.3	51.5#
89	1.9	37.1	55.7#



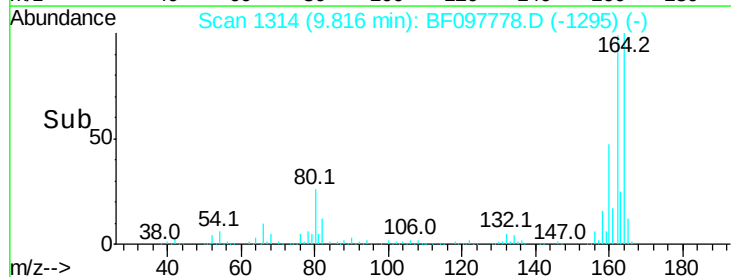
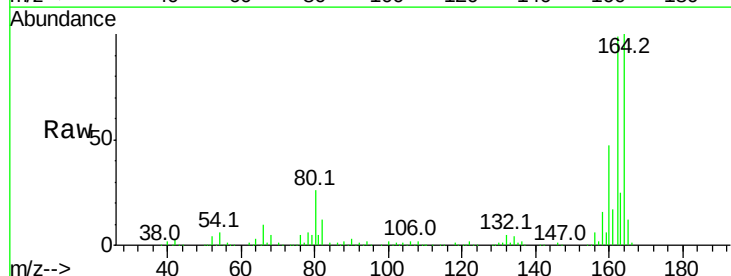
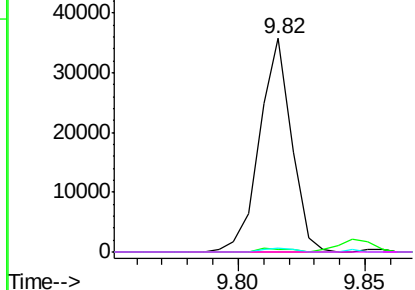
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

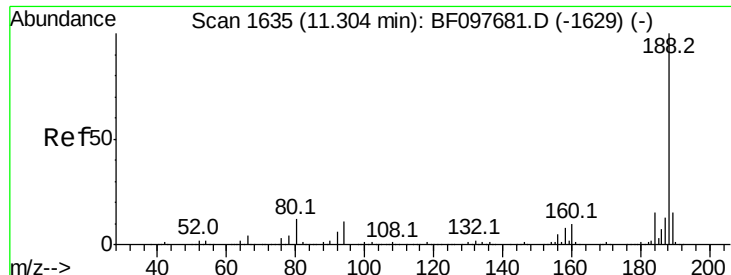


#56
 2,4-Dinitrotoluene
 Concen: 6.993 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.19 min
 Lab File: BF097778.D
 Acq: 17 Aug 2017 10:05

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	25.4	38.0#
89	1.9	46.4	69.6#
182	0.0	1.8	2.6#

Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

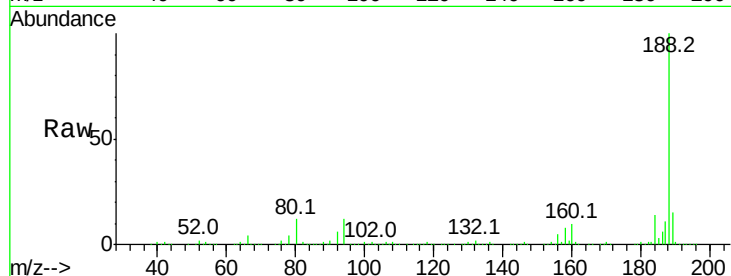




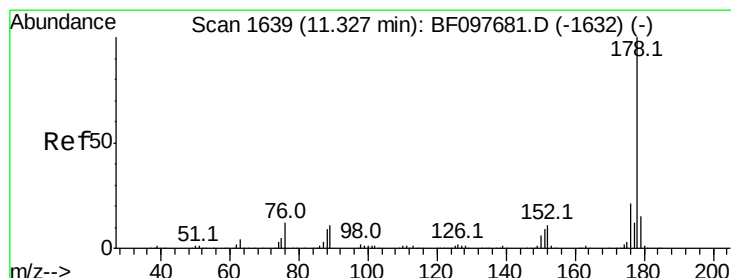
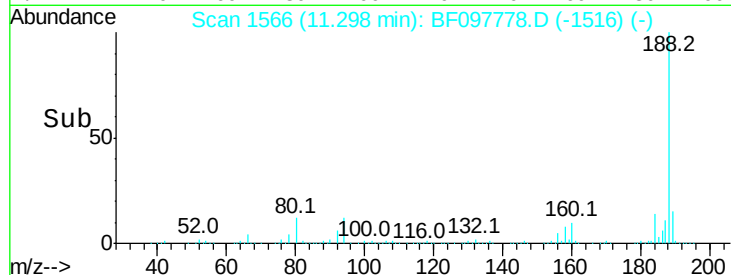
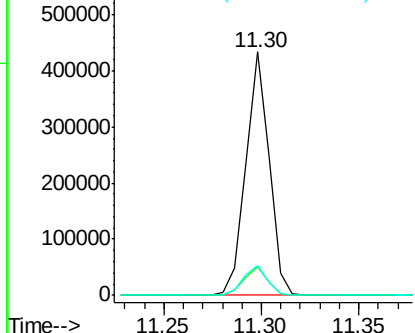
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.30 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: BF097778.D
 Acq: 17 Aug 2017 10:05

Instrument :
 BNA_F
 ClientSampleId :
 SB-33-COMP

Tot Ion:188 Resp: 359462
 Ion Ratio Lower Upper
 188 100
 94 11.8 9.4 14.2
 80 12.5 10.2 15.2

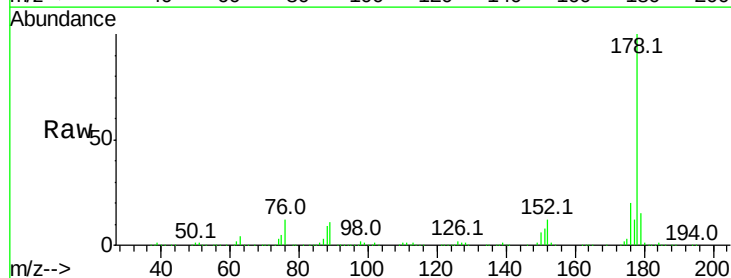


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

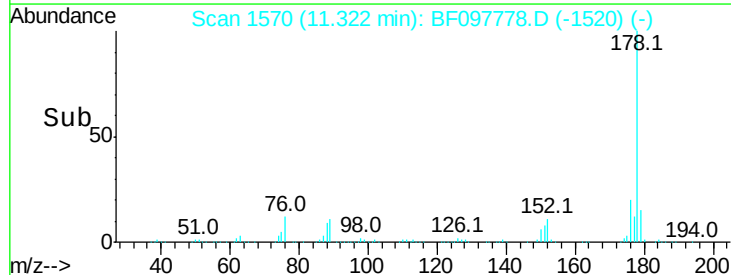
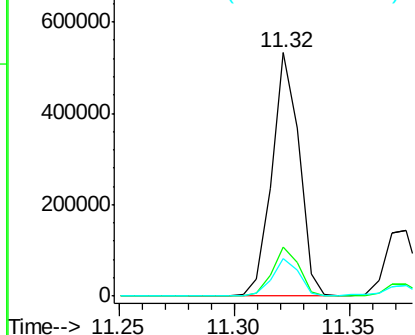


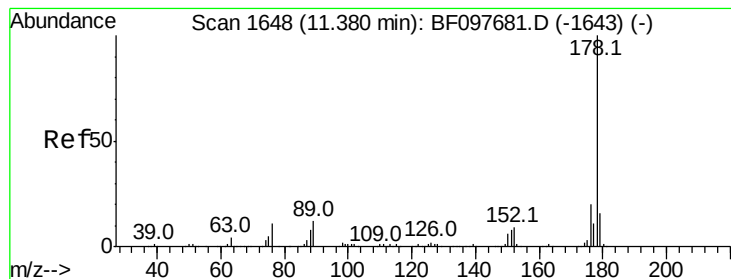
#70
 Phenanthrene
 Concen: 22.674 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF097778.D
 Acq: 17 Aug 2017 10:05

Tgt Ion:178 Resp: 434311
 Ion Ratio Lower Upper
 178 100
 176 20.2 16.2 24.4
 179 15.4 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: 6.558 ng

RT: 11.37 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BF097778.D

Acq: 17 Aug 2017 10:05

Instrument :

BNA_F

ClientSampleId :

SB-33-COMP

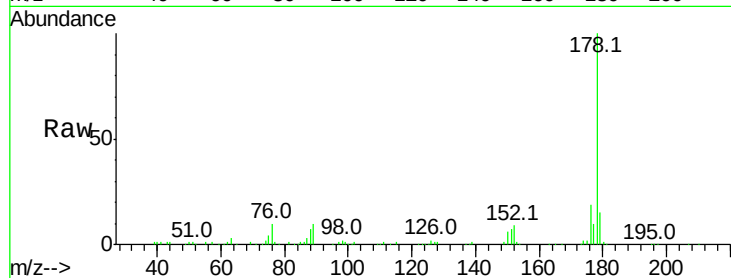
Tot Ion:178 Resp: 127417

Ion Ratio Lower Upper

178 100

176 18.8 15.8 23.8

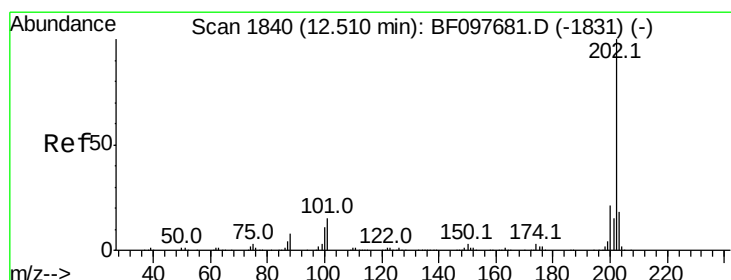
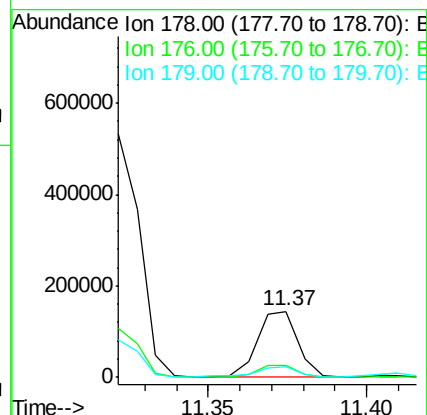
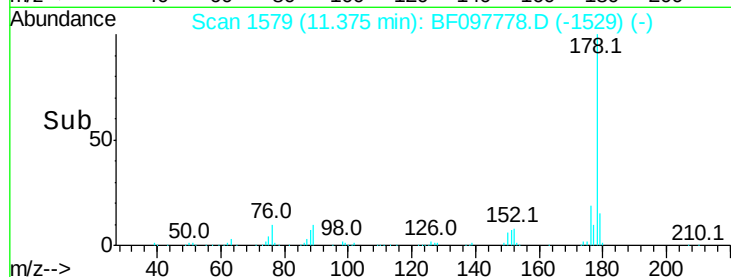
179 15.3 12.7 19.1



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



#74

Fluoranthene

Concen: 45.965 ng

RT: 12.51 min Scan# 1772

Delta R.T. 0.00 min

Lab File: BF097778.D

Acq: 17 Aug 2017 10:05

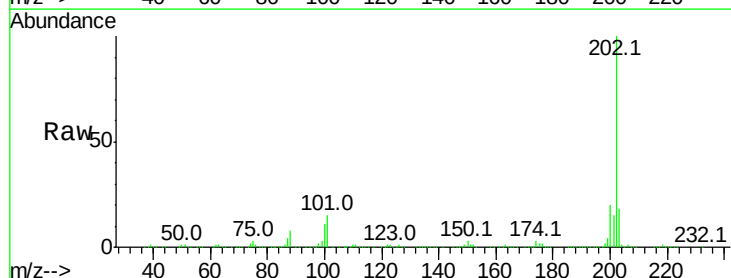
Tgt Ion:202 Resp: 918979

Ion Ratio Lower Upper

202 100

101 15.3 0.0 33.2

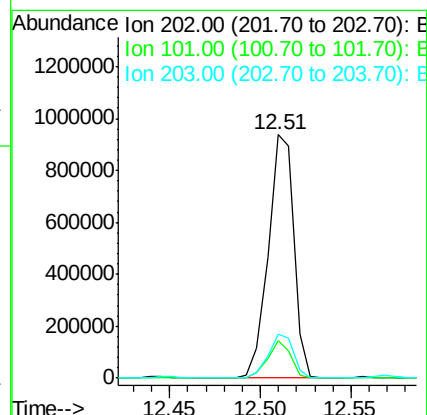
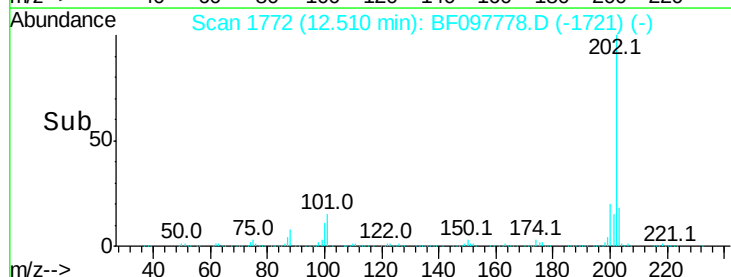
203 18.2 0.0 38.1

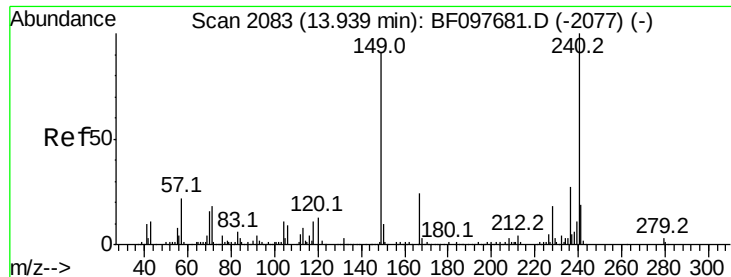


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.93 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF097778.D

Acq: 17 Aug 2017 10:05

Instrument :

BNA_F

ClientSampleId :

SB-33-COMP

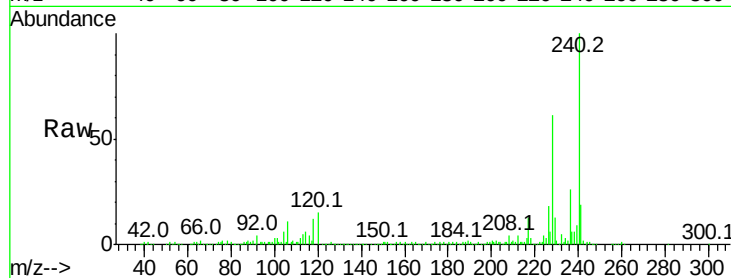
Tot Ion:240 Resp: 295563

Ion Ratio Lower Upper

240 100

120 15.1 5.8 8.8#

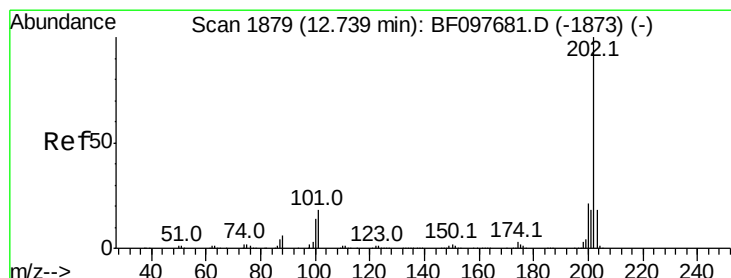
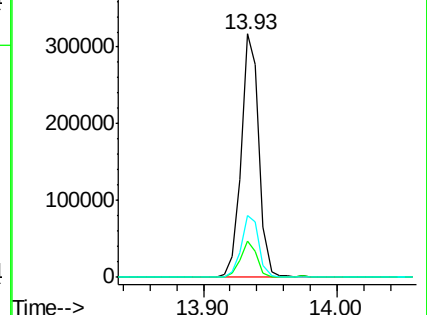
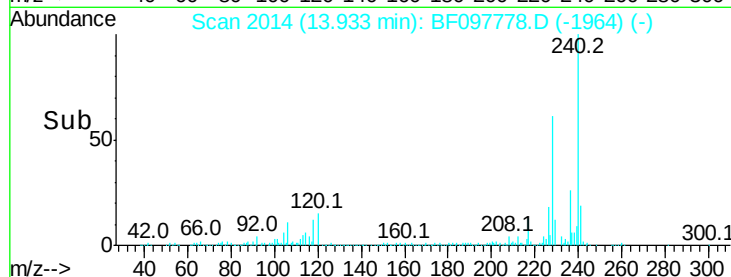
236 25.5 20.5 30.7



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: 43.898 ng

RT: 12.74 min Scan# 1811

Delta R.T. 0.00 min

Lab File: BF097778.D

Acq: 17 Aug 2017 10:05

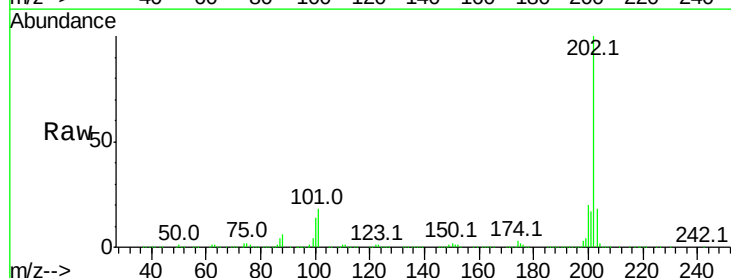
Tgt Ion:202 Resp: 1061180

Ion Ratio Lower Upper

202 100

200 20.4 17.6 26.4

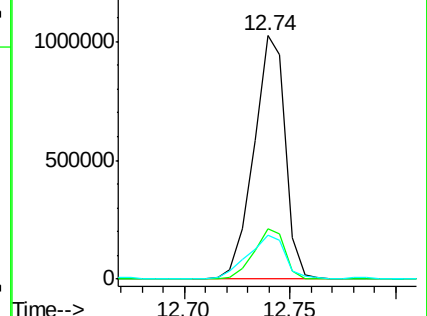
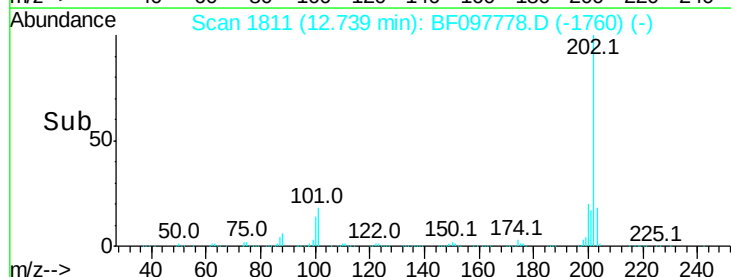
203 18.1 14.4 21.6

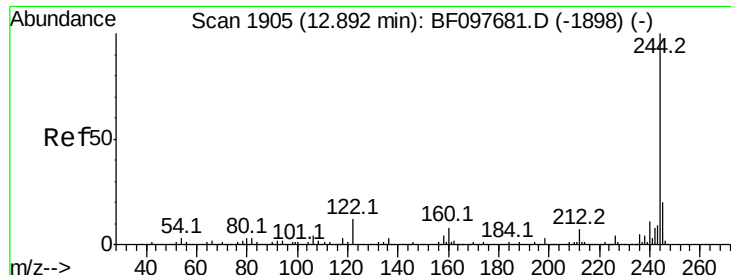


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 5.593 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF097778.D

Acq: 17 Aug 2017 10:05

Instrument :

BNA_F

ClientSampleId :

SB-33-COMP

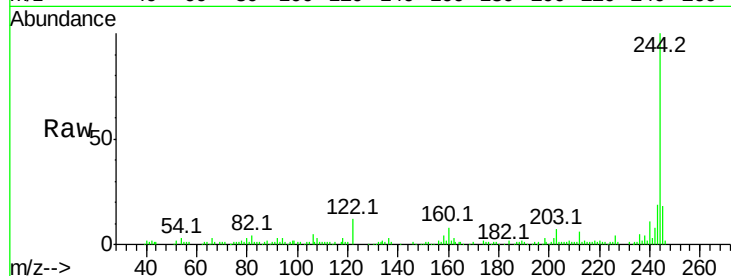
Tot Ion:244 Resp: 79273

Ion Ratio Lower Upper

244 100

212 6.3 6.0 9.0

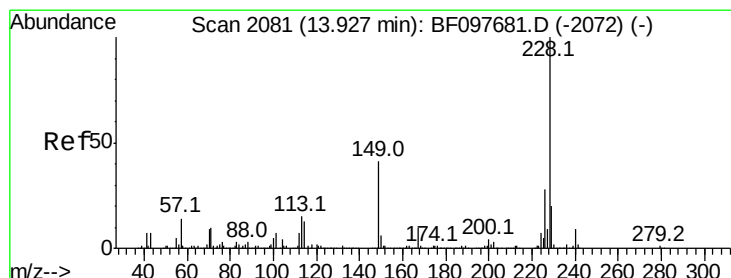
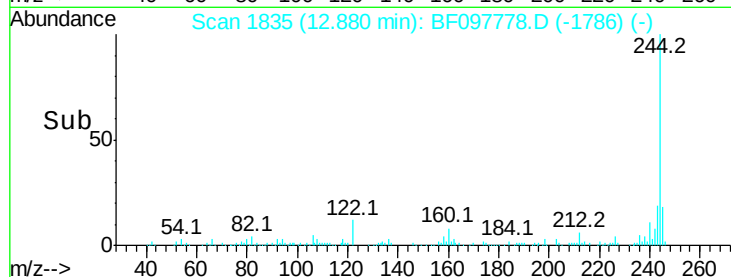
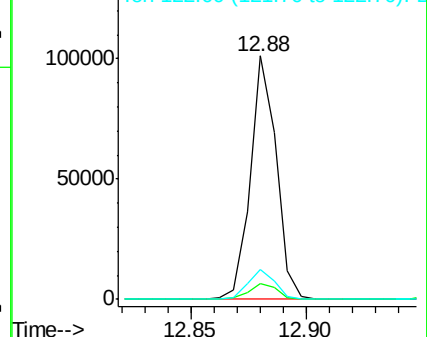
122 12.2 10.3 15.5



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



#80

Benzo(a)anthracene

Concen: 27.210 ng

RT: 13.93 min Scan# 2013

Delta R.T. 0.00 min

Lab File: BF097778.D

Acq: 17 Aug 2017 10:05

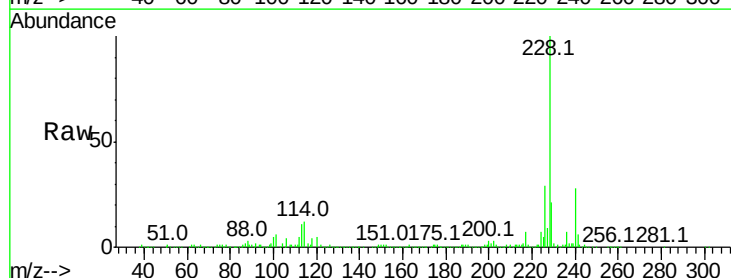
Tgt Ion:228 Resp: 482001

Ion Ratio Lower Upper

228 100

226 29.2 22.6 33.8

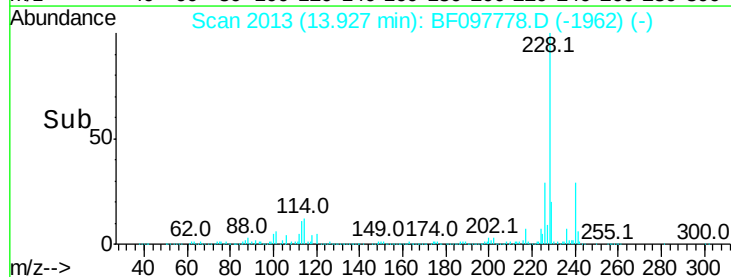
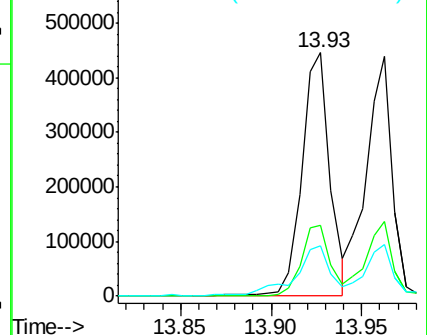
229 20.5 16.3 24.5

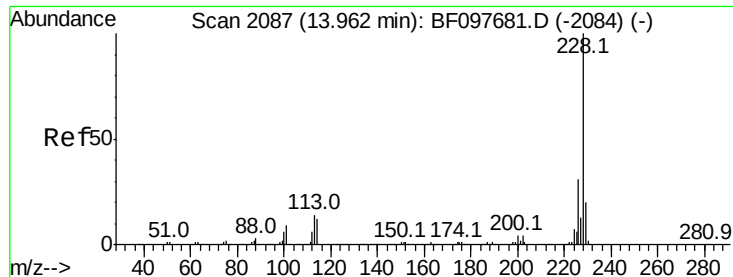


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 24.944 ng

RT: 13.96 min Scan# 2019

Delta R.T. 0.00 min

Lab File: BF097778.D

Acq: 17 Aug 2017 10:05

Instrument :

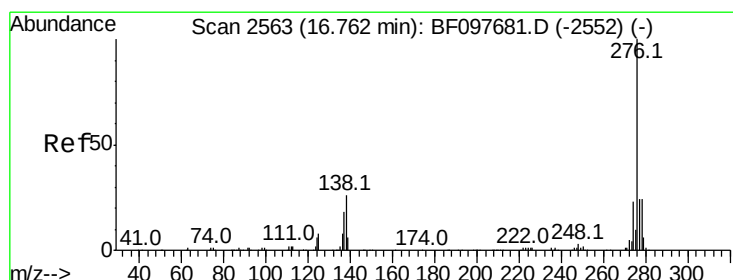
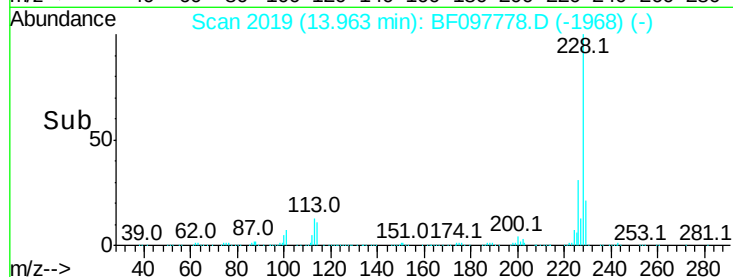
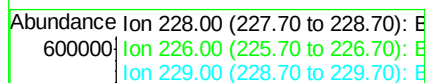
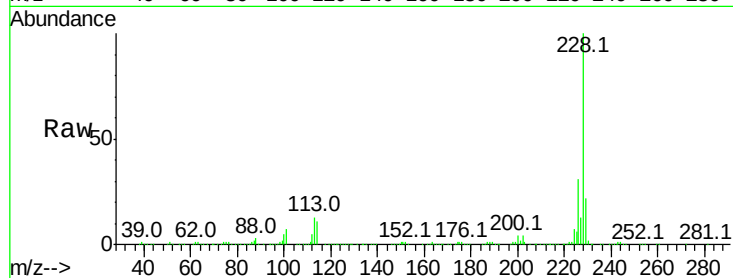
BNA_F

ClientSampleId :

SB-33-COMP

Tot Ion:228 Resp: 439559

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.9	37.3
229	21.5	15.8	23.6



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.363 ng

RT: 16.61 min Scan# 2469

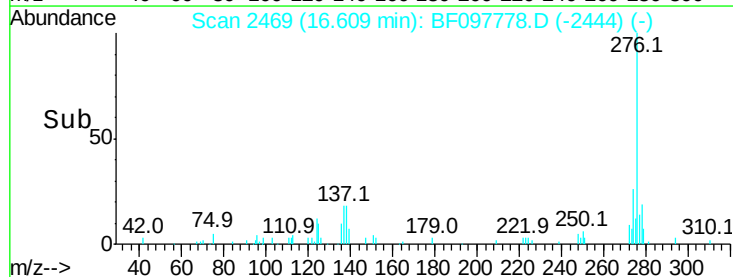
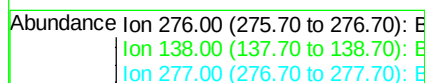
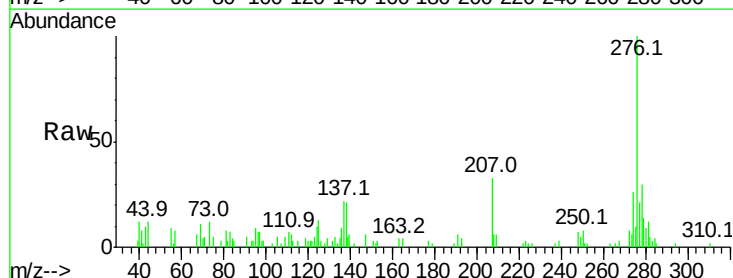
Delta R.T. -0.15 min

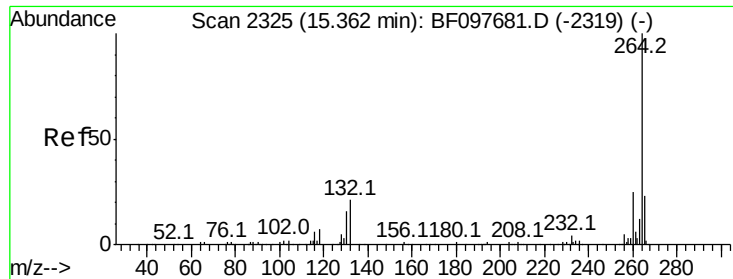
Lab File: BF097778.D

Acq: 17 Aug 2017 10:05

Tgt Ion:276 Resp: 30635

Ion	Ratio	Lower	Upper
276	100		
138	34.1	27.8	41.6
277	29.0	20.2	30.4

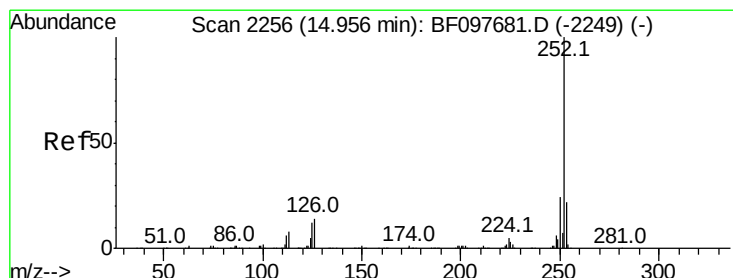
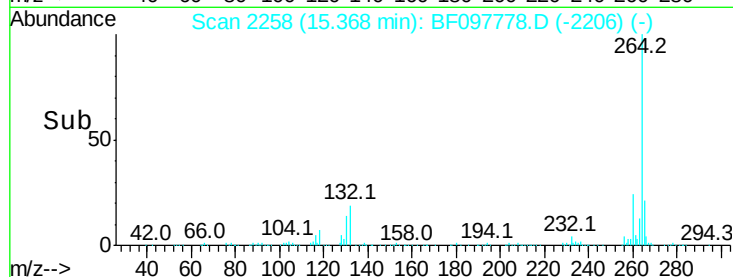
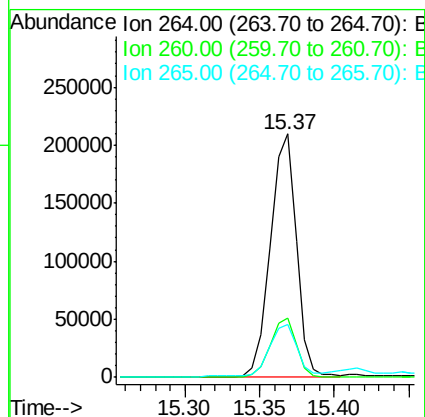
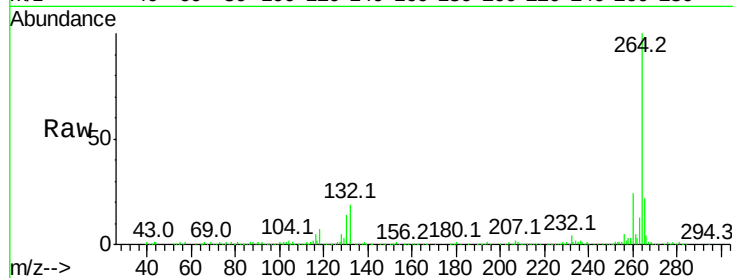




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.01 min
Lab File: BF097778.D
Acq: 17 Aug 2017 10:05

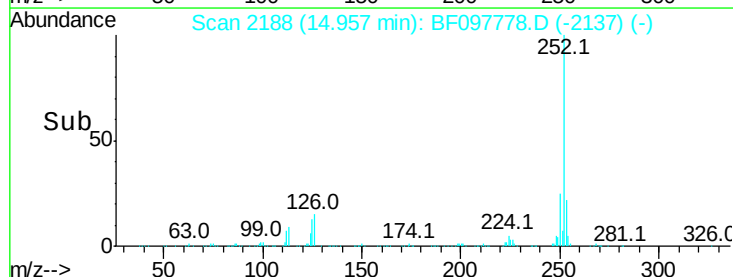
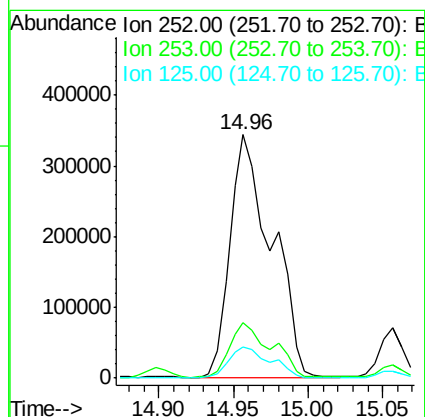
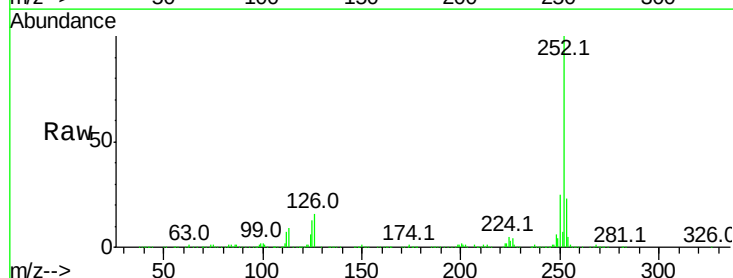
Instrument :
BNA_F
ClientSampled :
SB-33-COMP

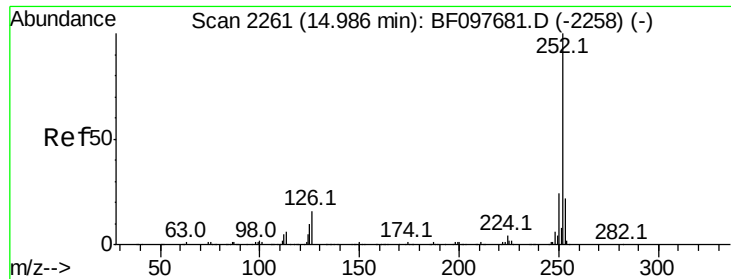
Tot Ion:264 Resp: 255127
Ion Ratio Lower Upper
264 100
260 24.2 19.5 29.3
265 21.7 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 41.602 ng
RT: 14.96 min Scan# 2188
Delta R.T. 0.00 min
Lab File: BF097778.D
Acq: 17 Aug 2017 10:05

Tgt Ion:252 Resp: 669028
Ion Ratio Lower Upper
252 100
253 22.5 18.1 27.1
125 13.0 9.8 14.8

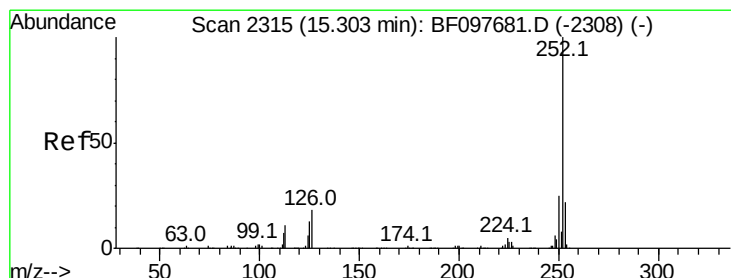
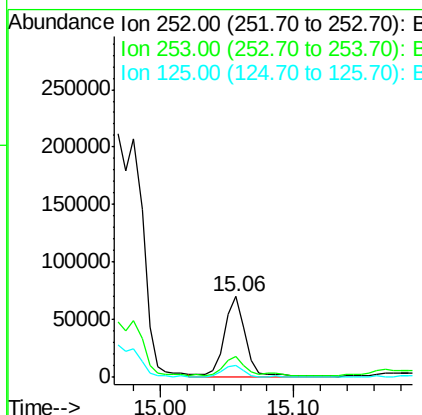
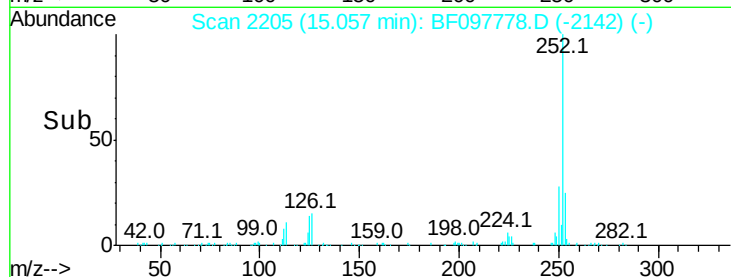
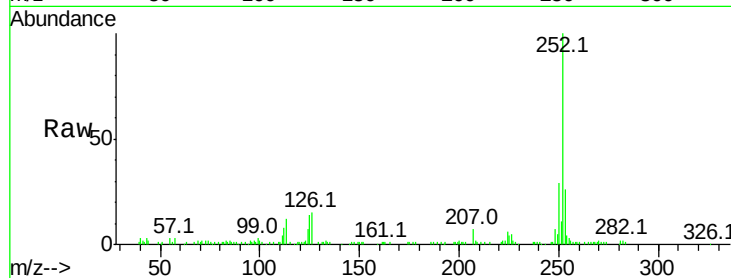




#88
Benzo(k)fluoranthene
Concen: 5.089 ng
RT: 15.06 min Scan# 2205
Delta R.T. 0.07 min
Lab File: BF097778.D
Acq: 17 Aug 2017 10:05

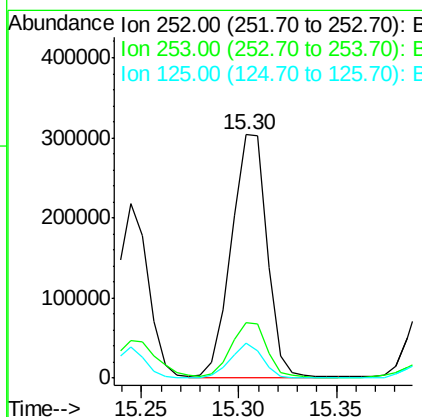
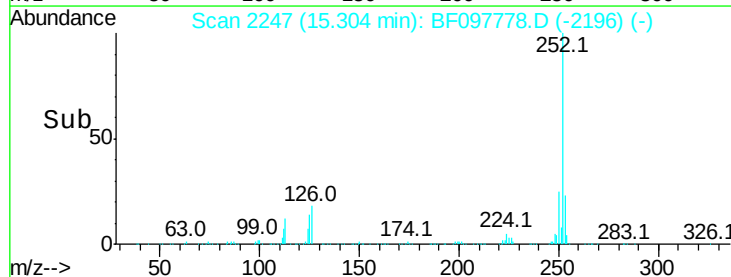
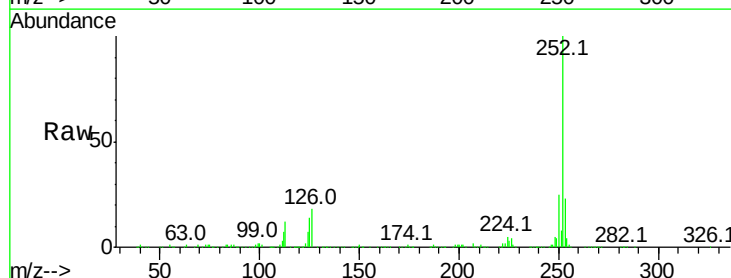
Instrument :
BNA_F
ClientSampleId :
SB-33-COMP

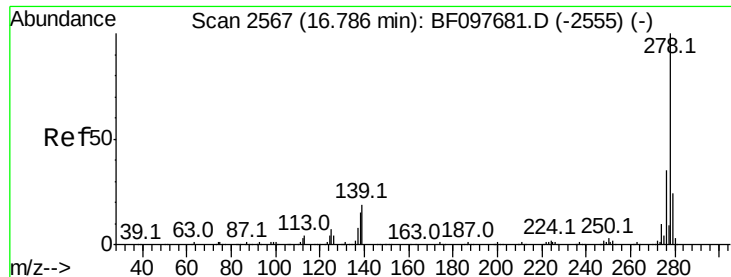
Tot Ion:252 Resp: 76892
Ion Ratio Lower Upper
252 100
253 26.4 18.4 27.6
125 14.4 13.1 19.7



#89
Benzo(a)pyrene
Concen: 27.153 ng
RT: 15.30 min Scan# 2247
Delta R.T. 0.00 min
Lab File: BF097778.D
Acq: 17 Aug 2017 10:05

Tgt Ion:252 Resp: 386563
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 14.3 11.0 16.4





#90

Dibenzo(a,h)anthracene

Concen: 3.507 ng

RT: 16.77 min Scan# 2496

Delta R.T. -0.02 min

Lab File: BF097778.D

Acq: 17 Aug 2017 10:05

Instrument :

BNA_F

ClientSampleId :

SB-33-COMP

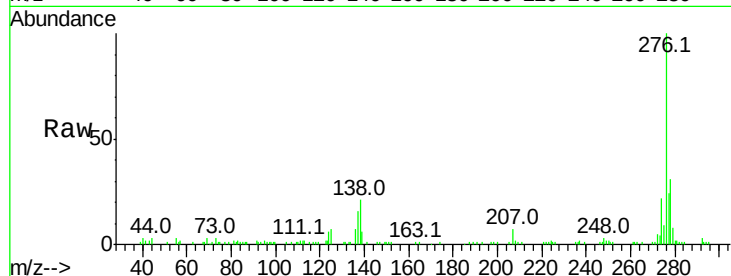
Tot Ion:278 Resp: 40642

Ion Ratio Lower Upper

278 100

139 19.1 16.6 24.8

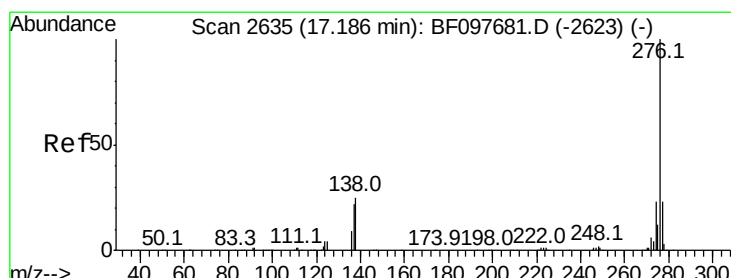
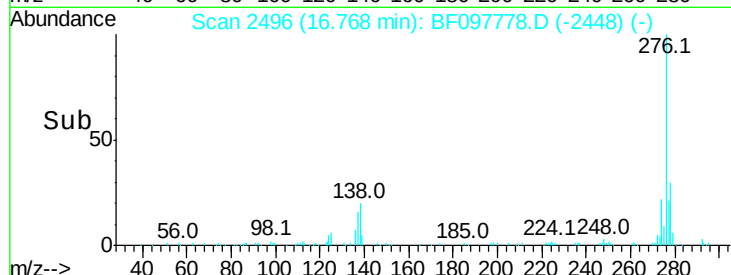
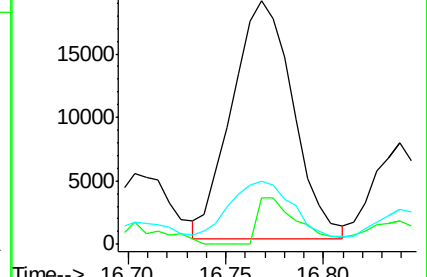
279 26.1 19.3 28.9



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 12.640 ng

RT: 17.18 min Scan# 2566

Delta R.T. -0.01 min

Lab File: BF097778.D

Acq: 17 Aug 2017 10:05

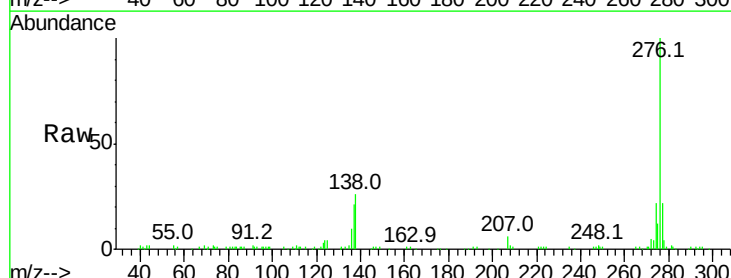
Tgt Ion:276 Resp: 152859

Ion Ratio Lower Upper

276 100

277 22.1 18.6 28.0

138 25.9 25.4 38.0



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

