

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120117\
 Data File : BF101062.D
 Acq On : 1 Dec 2017 14:50
 Operator : SJ/JU
 Sample : I6610-03RE 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-3(10-12)-20171127

Quant Time: Dec 01 21:49:04 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 15:52:19 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	51489	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	202257	20.00	ng	0.00
38) Acenaphthene-d10	9.88	164	91378	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	174482	20.00	ng	0.00
75) Chrysene-d12	14.02	240	112409	20.00	ng	0.00
86) Perylene-d12	15.49	264	121577	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	66708	21.41	ng	-0.01
7) Phenol-d6	6.47	99	81242	21.48	ng	-0.01
23) Nitrobenzene-d5	7.40	82	47224	13.93	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	13592	12.38	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	108504	16.25	ng	-0.01
78) Terphenyl-d14	12.95	244	88971	17.31	ng	-0.01

Target Compounds

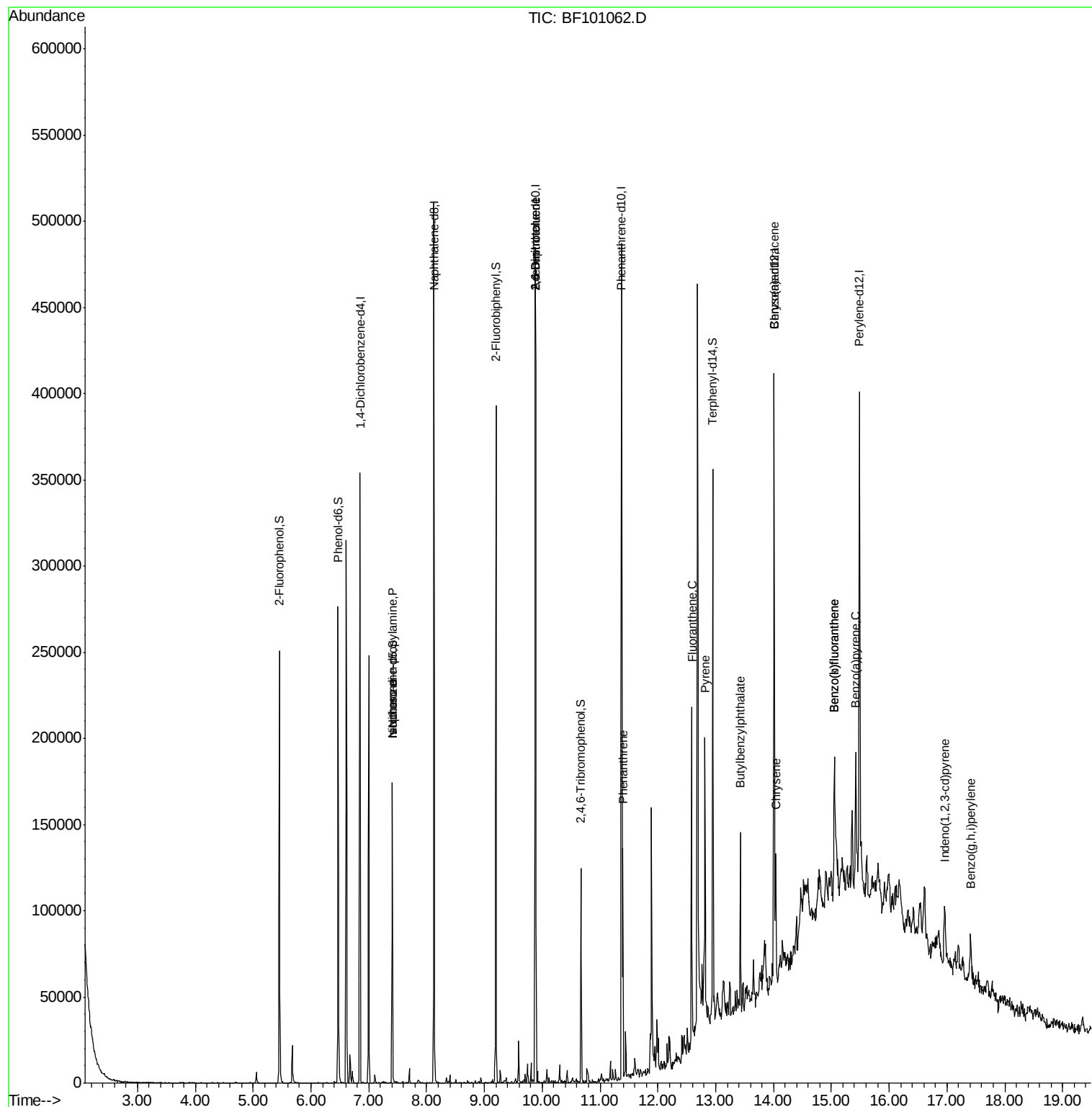
						Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	6076	2.385	ng	# 79
25) Isophorone	7.40	82	47223	8.154	ng	# 64
50) 2,6-Dinitrotoluene	9.88	165	12063	7.772	ng	# 24
56) 2,4-Dinitrotoluene	9.88	165	12063	5.799	ng	# 21
70) Phenanthrene	11.39	178	46118	4.800	ng	98
74) Fluoranthene	12.59	202	76634	7.195	ng	94
77) Pyrene	12.82	202	66691	8.598	ng	98
79) Butylbenzylphthalate	13.43	149	23483	6.867	ng	87
80) Benzo(a)anthracene	14.00	228	29452	4.150	ng	93
82) Chrysene	14.04	228	29587	4.489	ng	97
85) Indeno(1,2,3-cd)pyrene	16.96	276	18289	3.121	ng	# 91
87) Benzo(b)fluoranthene	15.05	252	52647	7.230	ng	94
88) Benzo(k)fluoranthene	15.05	252	52647	7.338	ng	94
89) Benzo(a)pyrene	15.42	252	28605	4.321	ng	95
91) Benzo(a,h,i)perylene	17.41	276	22143	4.026	ng	94

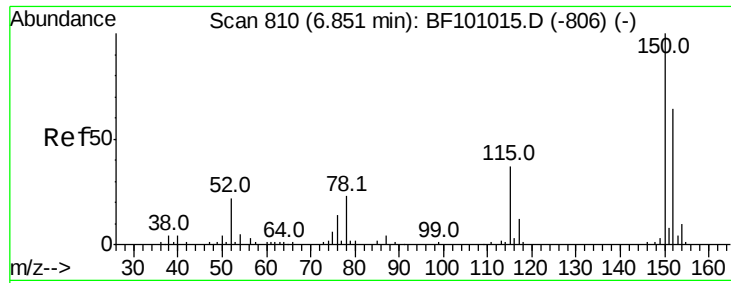
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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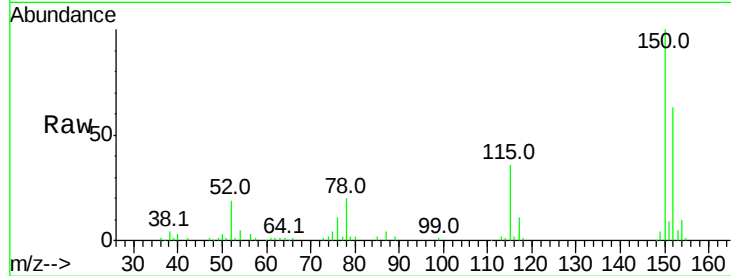


#1

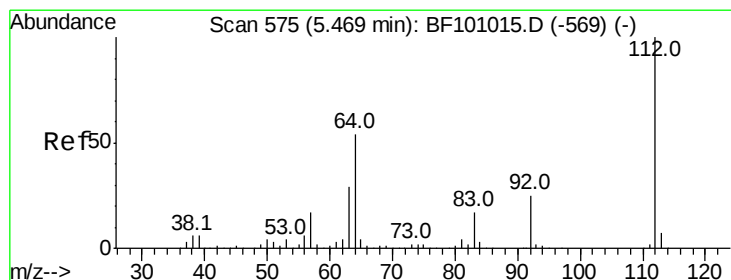
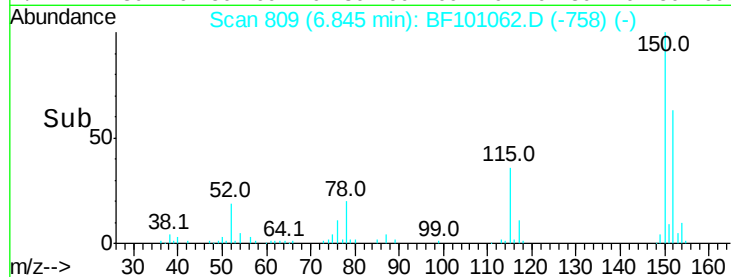
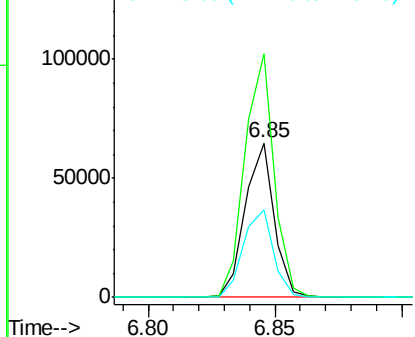
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF101062.D
Acq: 1 Dec 2017 14:50

Instrument :
BNA_F
ClientSampleId :
SB-3(10-12)-20171127

Tot Ion:152 Resp: 51489
Ion Ratio Lower Upper
152 100
150 157.5 124.6 186.8
115 56.7 50.1 75.1



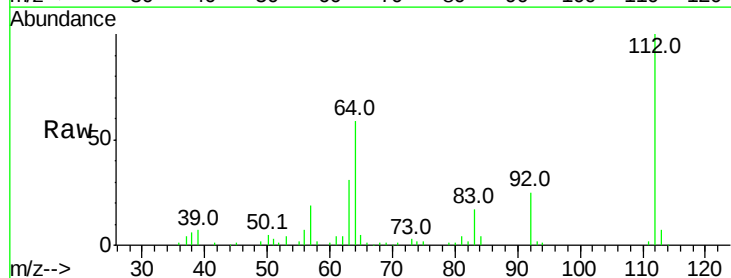
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



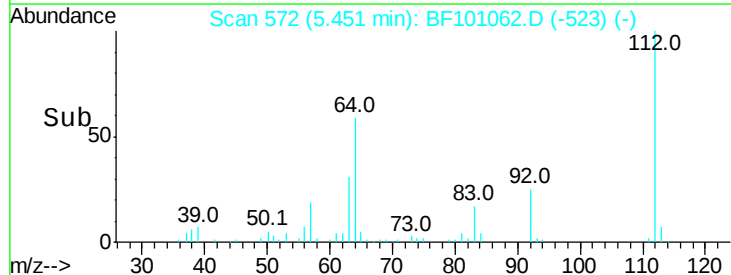
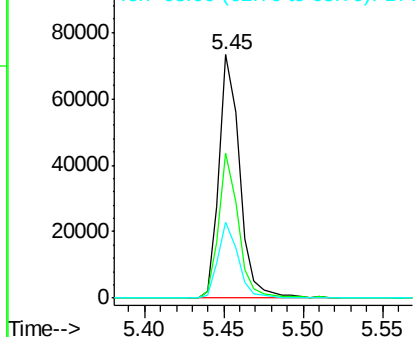
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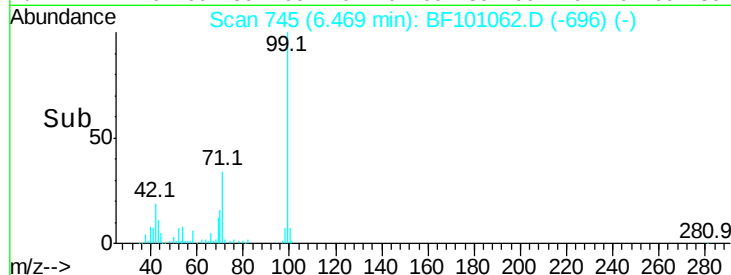
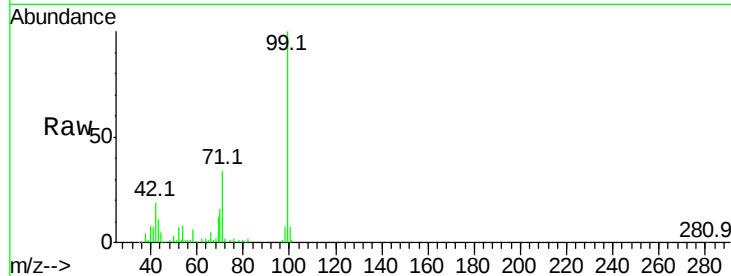
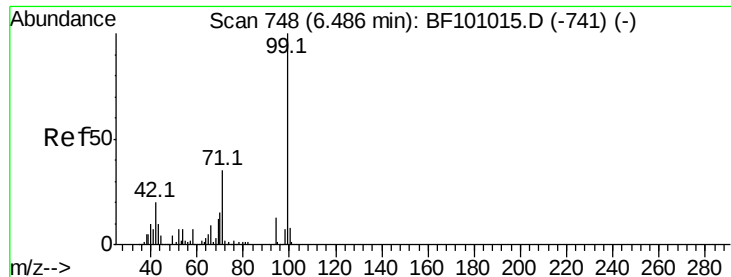
2-Fluorophenol
Concen: 21.409 ng
RT: 5.45 min Scan# 572
Delta R.T. -0.01 min
Lab File: BF101062.D
Acq: 1 Dec 2017 14:50

Tgt Ion:112 Resp: 66708
Ion Ratio Lower Upper
112 100
64 59.4 47.9 71.9
63 31.2 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 21.475 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF101062.D

Acq: 1 Dec 2017 14:50

Instrument :

BNA_F

ClientSampleId :

SB-3(10-12)-20171127

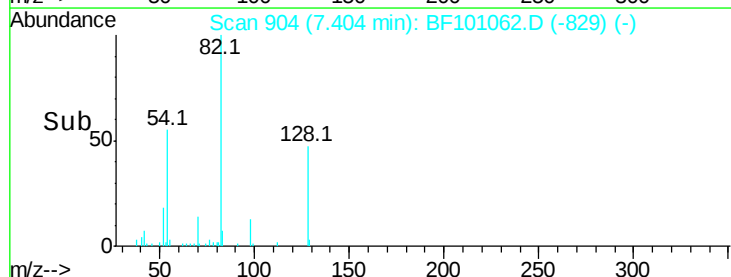
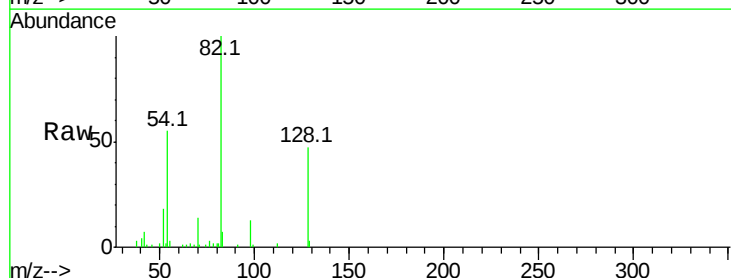
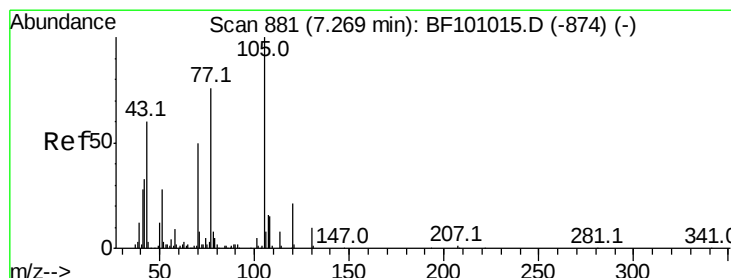
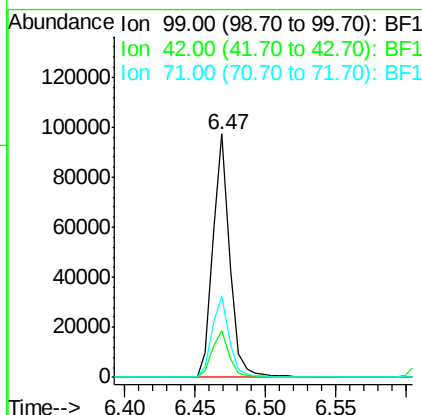
Tot Ion: 99 Resp: 81242

Ion Ratio Lower Upper

99 100

42 18.9 14.5 21.7

71 33.5 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.385 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF101062.D

Acq: 1 Dec 2017 14:50

Tgt Ion: 70 Resp: 6076

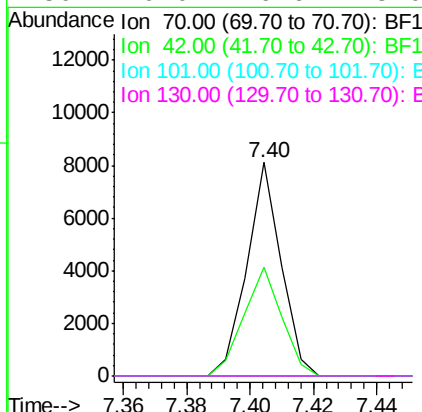
Ion Ratio Lower Upper

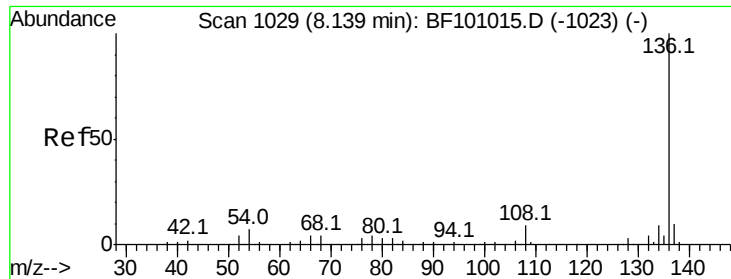
70 100

42 50.8 47.5 71.3

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

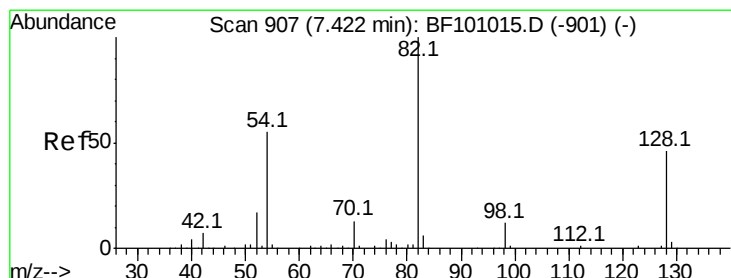
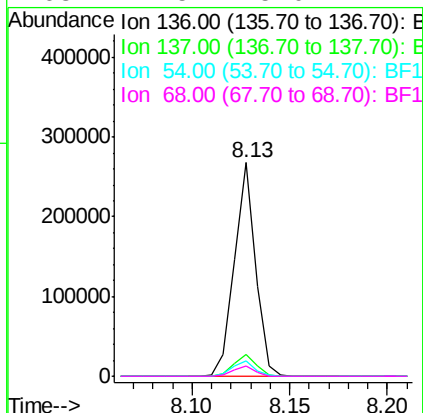
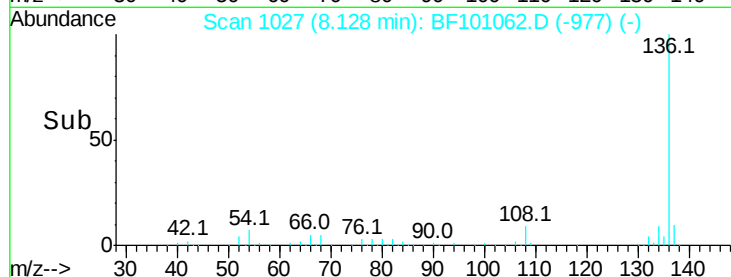
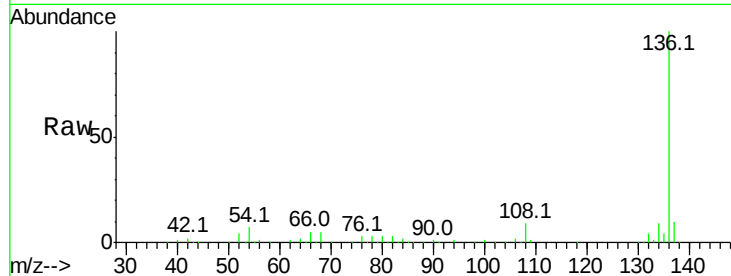




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF101062.D
Acq: 1 Dec 2017 14:50

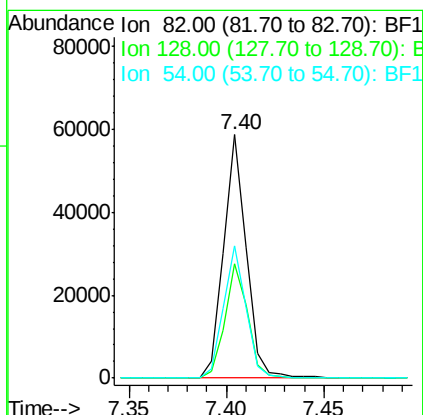
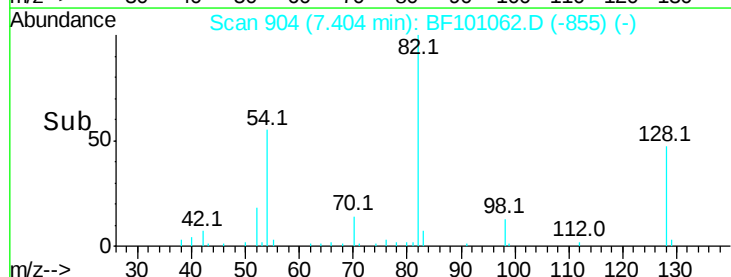
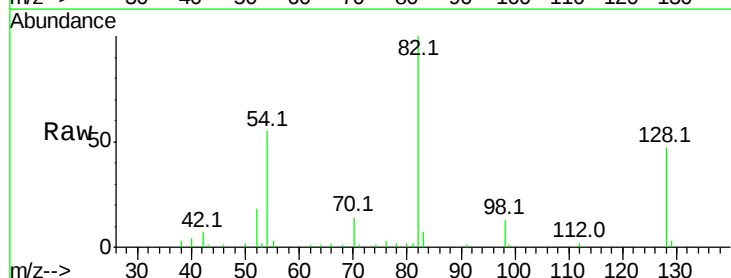
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SB-3(10-12)-20171127

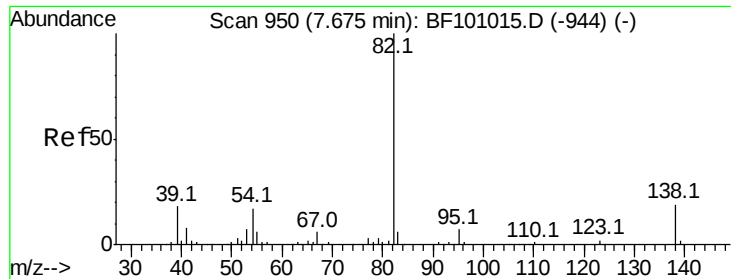
Tot Ion:	136	Resp:	202257
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.9	13.3
54	7.2	6.6	9.8
68	4.5	5.0	7.4#



#23
Nitrobenzene-d5
Concen: 13.928 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF101062.D
Acq: 1 Dec 2017 14:50

Tgt Ion:	82	Resp:	47224
Ion	Ratio	Lower	Upper
82	100		
128	46.8	36.1	54.1
54	54.5	41.4	62.2

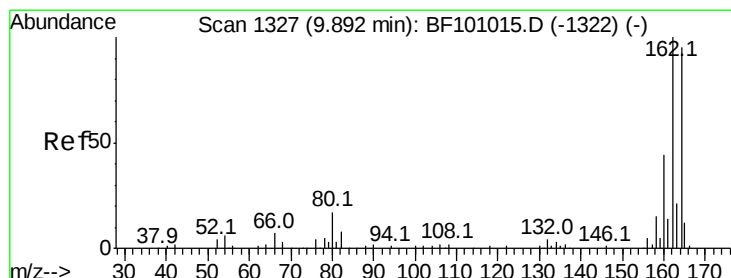
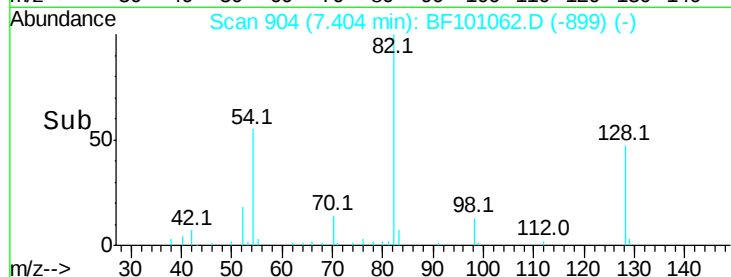
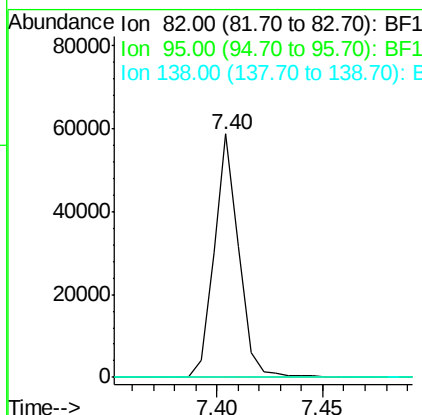
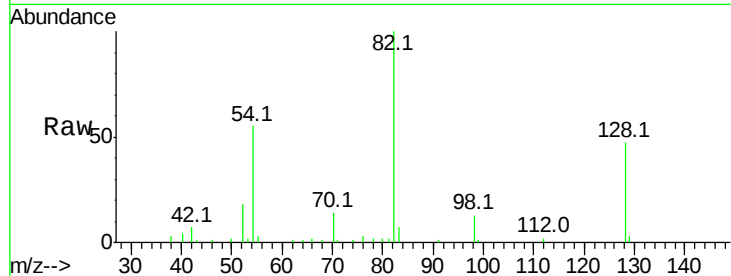




#25
Isophorone
Concen: 8.154 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.27 min
Lab File: BF101062.D
Acq: 1 Dec 2017 14:50

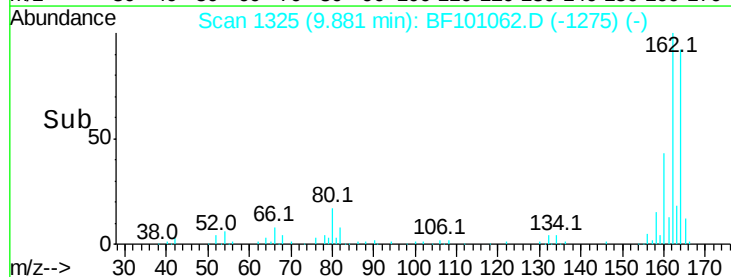
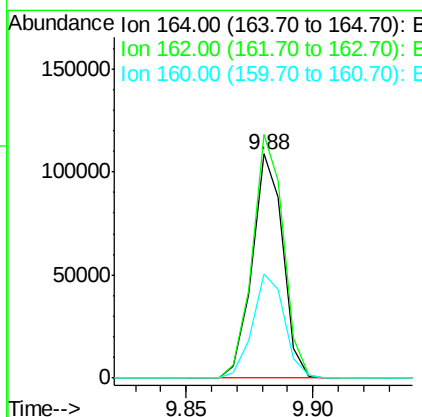
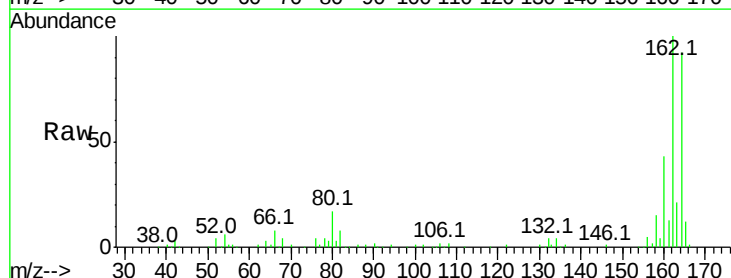
Instrument :
BNA_F
ClientSampleId :
SB-3(10-12)-20171127

Tot Ion: 82 Resp: 47223
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF101062.D
Acq: 1 Dec 2017 14:50

Tgt Ion:164 Resp: 91378
Ion Ratio Lower Upper
164 100
162 108.5 86.1 129.1
160 46.2 38.3 57.5

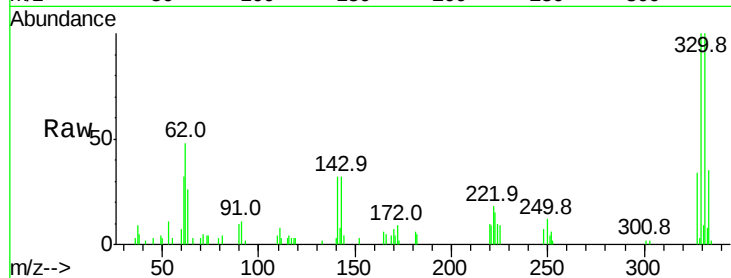




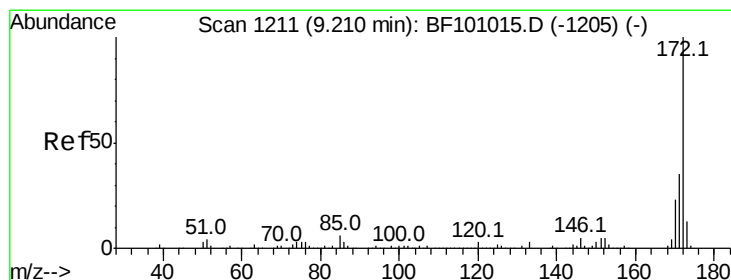
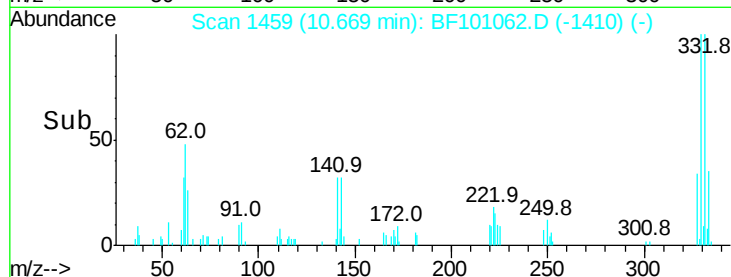
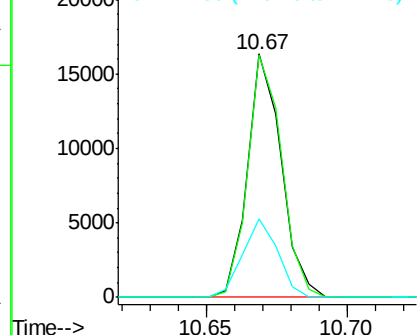
#41
 2,4,6-Tribromophenol
 Concen: 12.382 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF101062.D
 Acq: 1 Dec 2017 14:50

Instrument :
 BNA_F
 ClientSampleId :
 SB-3(10-12)-20171127

Tot Ion:330 Resp: 13592
 Ion Ratio Lower Upper
 330 100
 332 99.6 77.0 115.6
 141 33.8 29.9 44.9

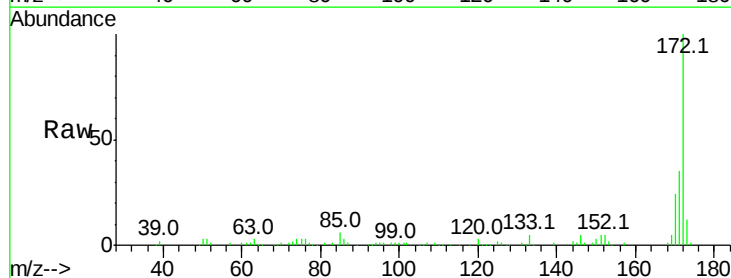


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

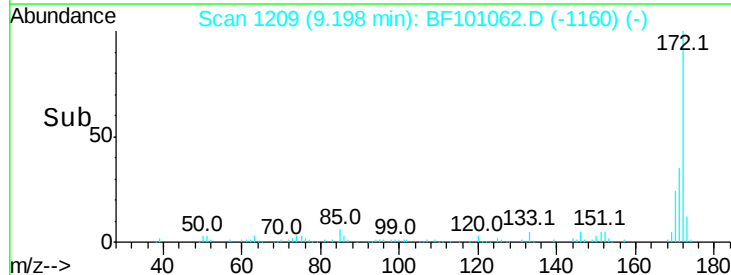
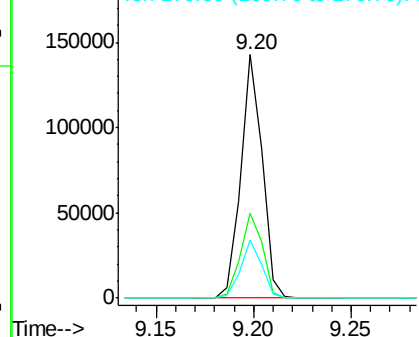


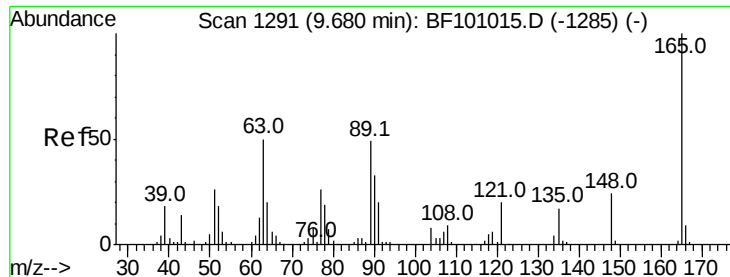
#44
 2-Fluorobiphenyl
 Concen: 16.246 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF101062.D
 Acq: 1 Dec 2017 14:50

Tgt Ion:172 Resp: 108504
 Ion Ratio Lower Upper
 172 100
 171 34.7 29.7 44.5
 170 23.7 19.6 29.4



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

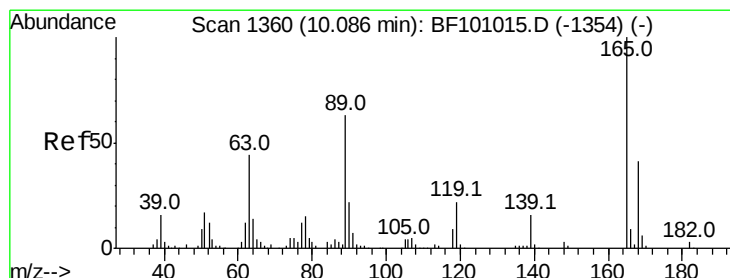
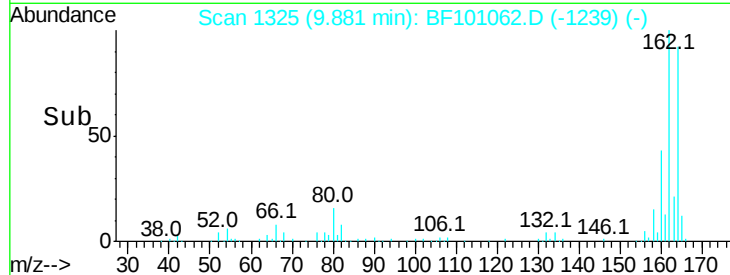
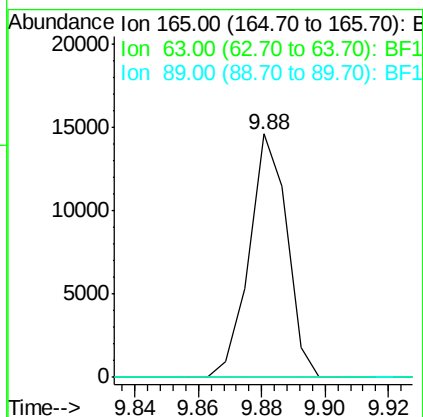
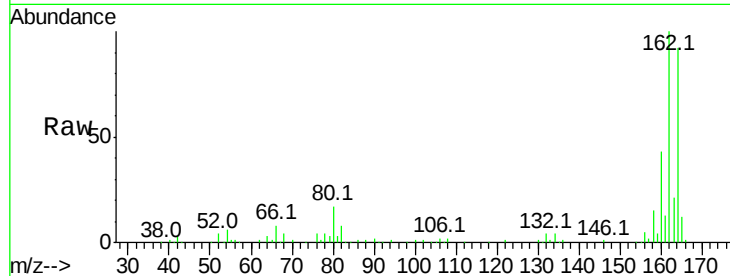




#50
 2,6-Dinitrotoluene
 Concen: 7.772 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. 0.21 min
 Lab File: BF101062.D
 Acq: 1 Dec 2017 14:50

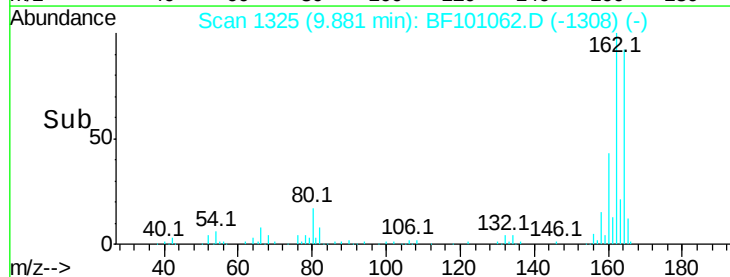
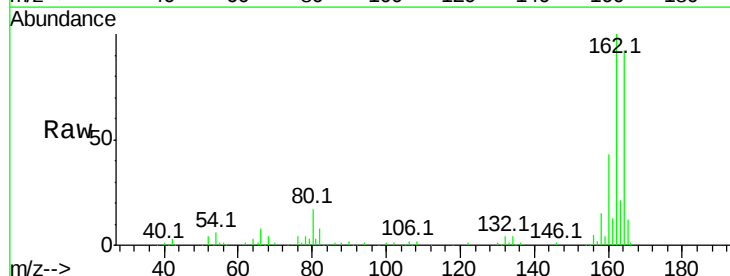
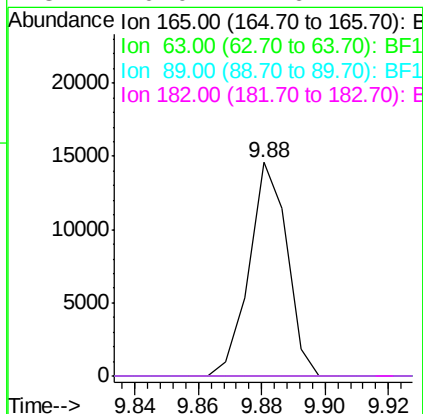
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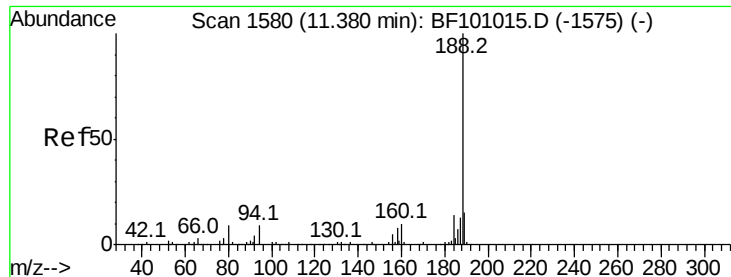
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 5.799 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.20 min
 Lab File: BF101062.D
 Acq: 1 Dec 2017 14:50

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#

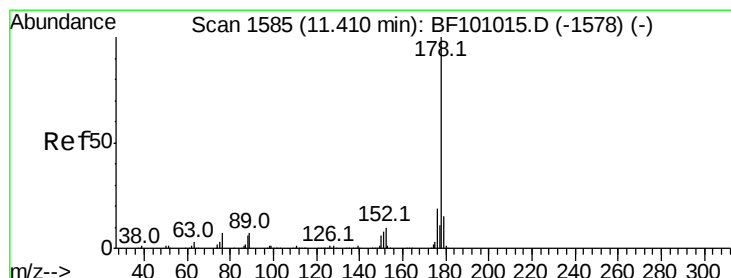
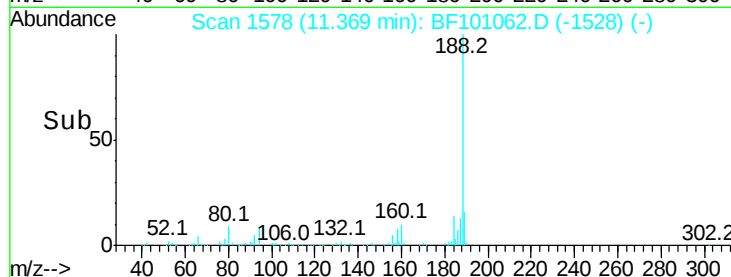
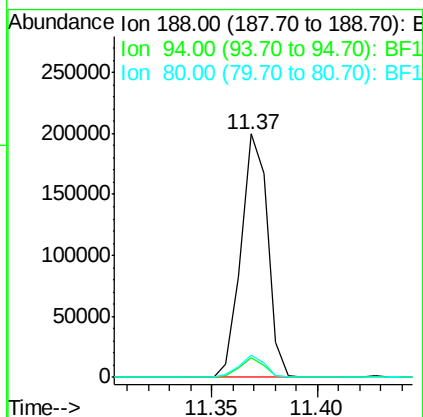
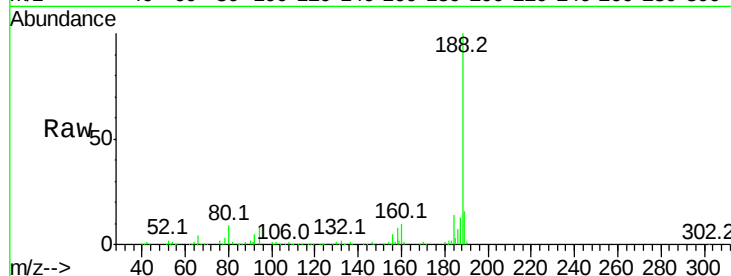




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF101062.D
Acq: 1 Dec 2017 14:50

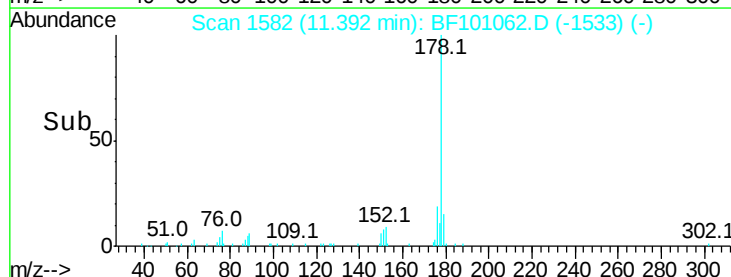
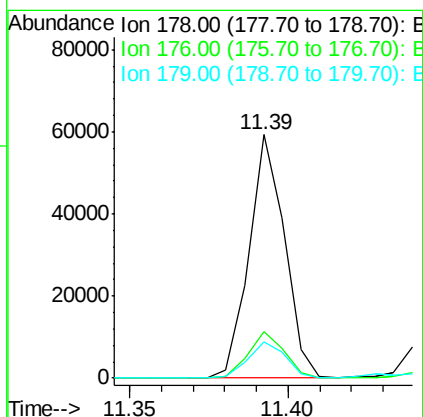
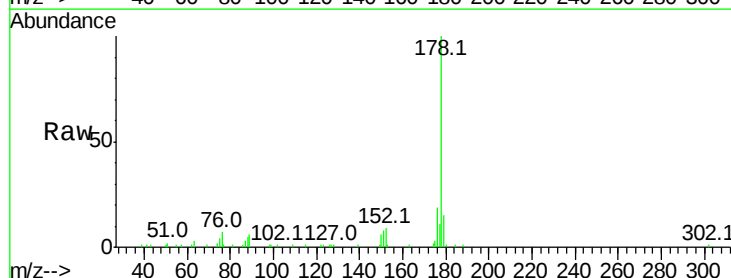
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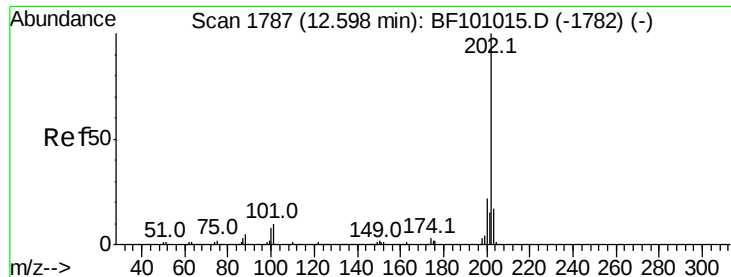
Tot Ion:188 Resp: 174482
Ion Ratio Lower Upper
188 100
94 8.3 8.5 12.7#
80 9.2 9.2 13.8



#70
Phenanthrene
Concen: 4.800 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF101062.D
Acq: 1 Dec 2017 14:50

Tgt Ion:178 Resp: 46118
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 14.8 13.0 19.6

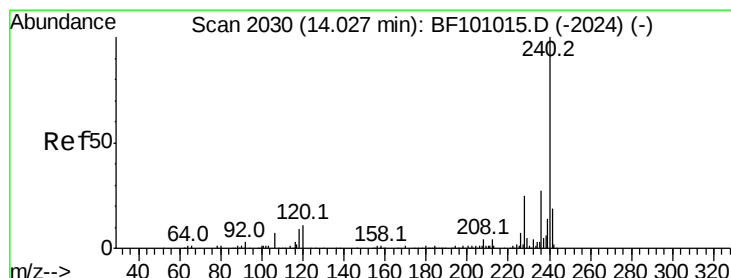
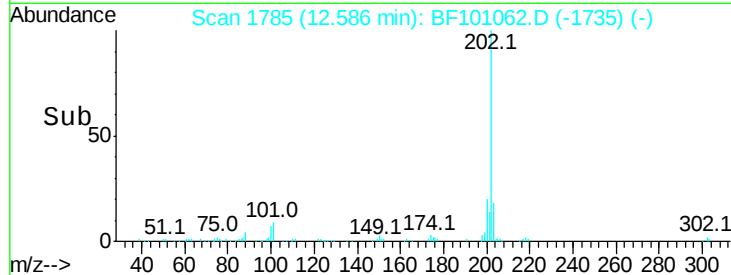
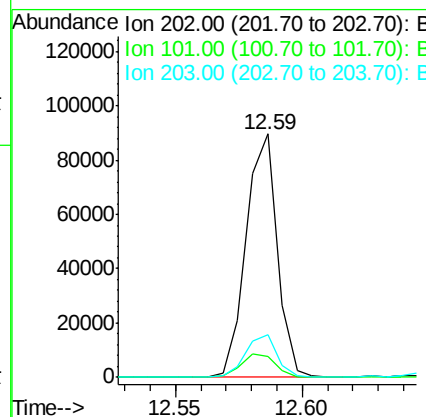
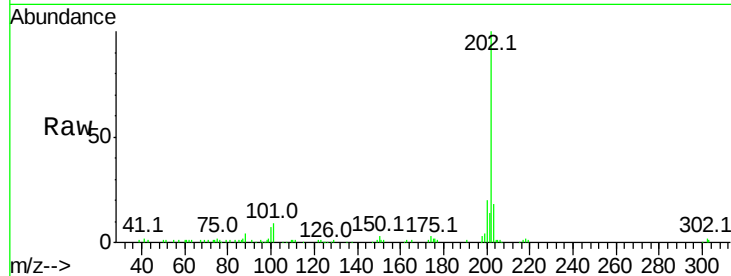




#74
 Fluoranthene
 Concen: 7.195 ng
 RT: 12.59 min Scan# 1785
 Delta R.T. -0.01 min
 Lab File: BF101062.D
 Acq: 1 Dec 2017 14:50

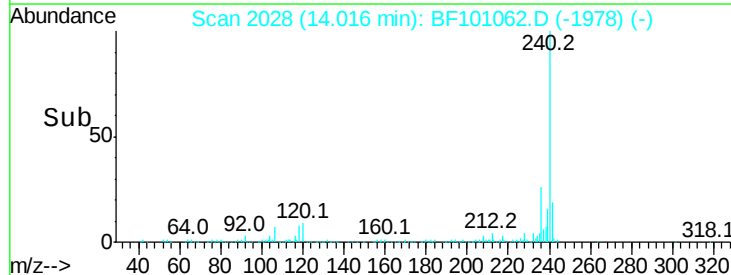
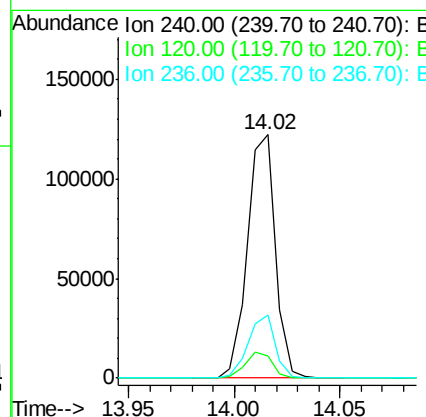
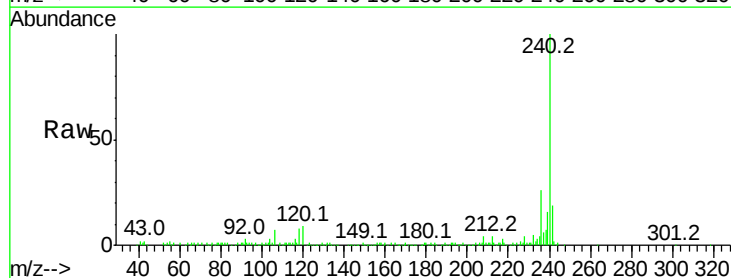
Instrument :
 BNA_F
 ClientSampleId :
 SB-3(10-12)-20171127

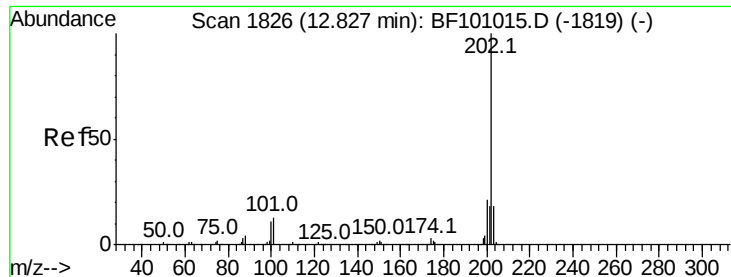
Tot Ion	Ratio	Lower	Upper
202	100		
101	8.6	0.0	34.1
203	17.7	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: BF101062.D
 Acq: 1 Dec 2017 14:50

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.1	9.5	14.3#
236	25.9	20.7	31.1





#77

Pvrene

Concen: 8.598 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF101062.D

Acq: 1 Dec 2017 14:50

Instrument :

BNA_F

ClientSampleId :

SB-3(10-12)-20171127

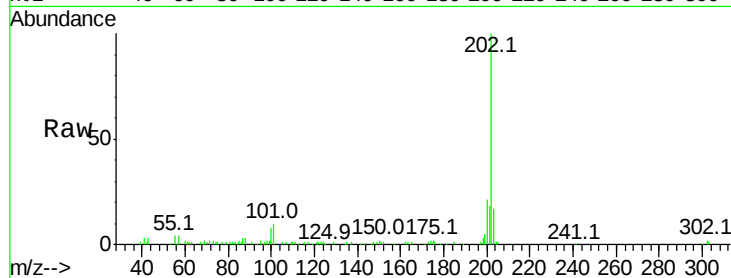
Tot Ion:202 Resp: 66691

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

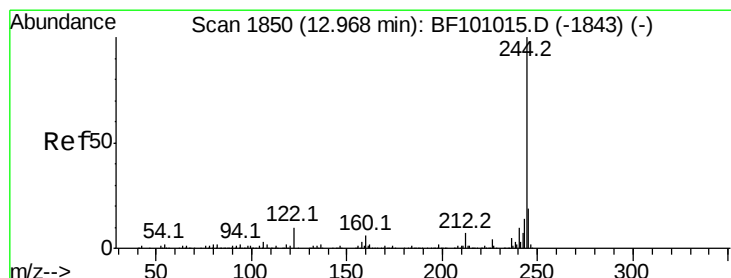
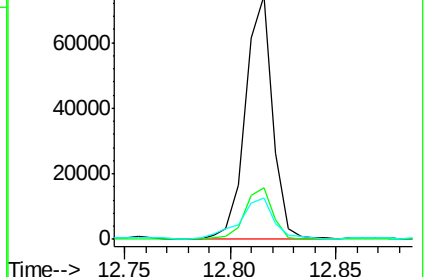
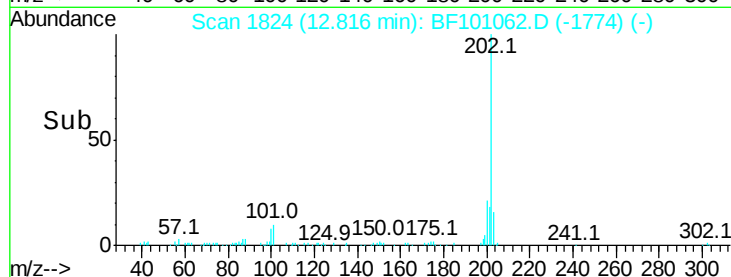
203 16.9 14.3 21.5



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: 17.312 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF101062.D

Acq: 1 Dec 2017 14:50

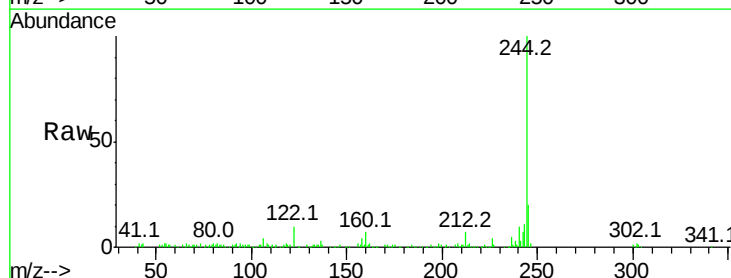
Tgt Ion:244 Resp: 88971

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

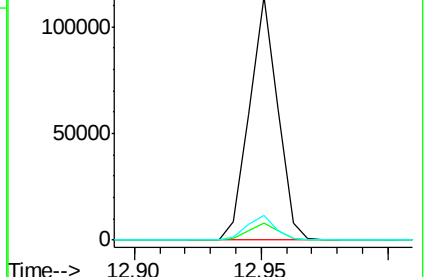
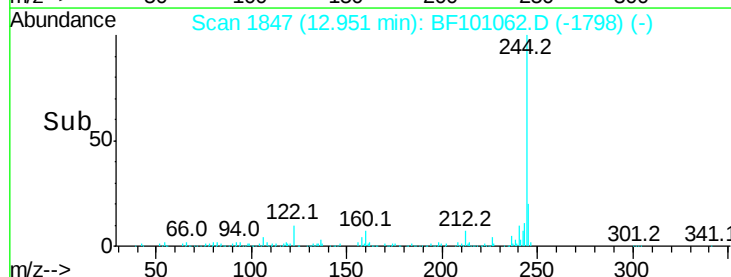
122 10.1 11.0 16.4#

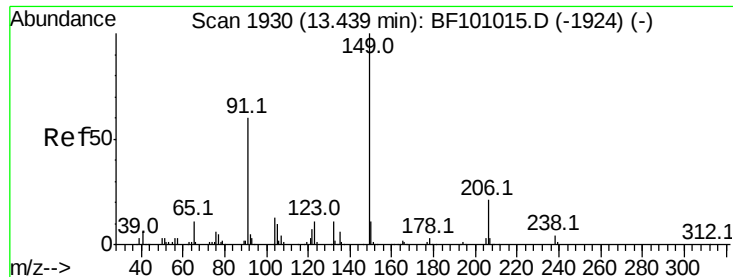


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

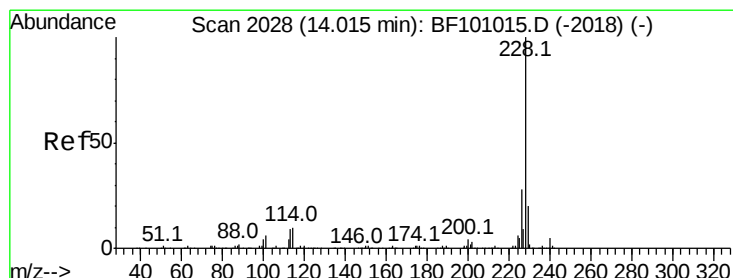
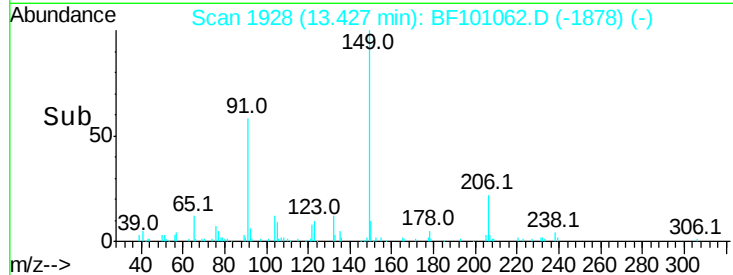
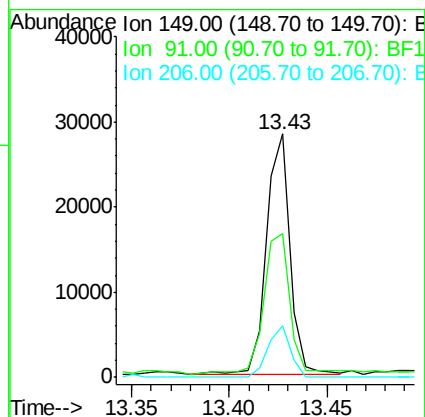
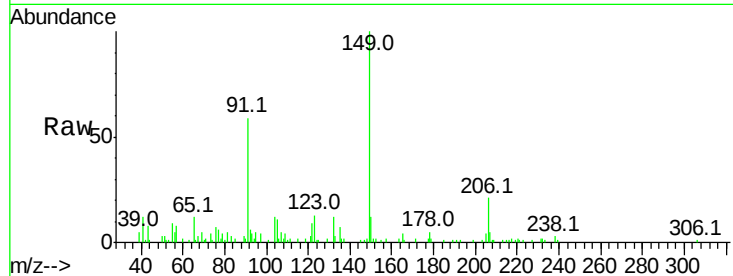




#79
Butylbenzylphthalate
Concen: 6.867 ng
RT: 13.43 min Scan# 1928
Delta R.T. -0.01 min
Lab File: BF101062.D
Acq: 1 Dec 2017 14:50

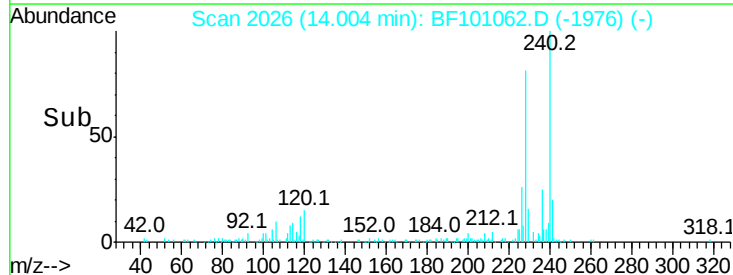
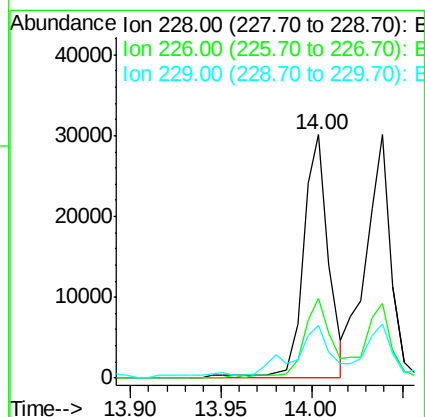
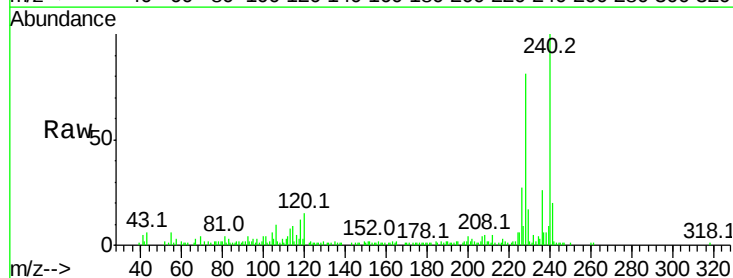
Instrument :
BNA_F
ClientSampleId :
SB-3(10-12)-20171127

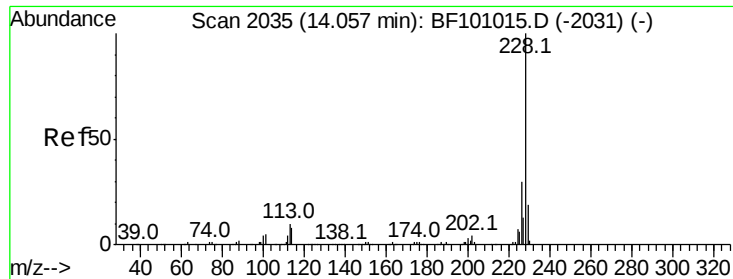
Tot Ion:149 Resp: 23483
Ion Ratio Lower Upper
149 100
91 58.9 56.8 85.2
206 21.0 14.1 21.1



#80
Benzo(a)anthracene
Concen: 4.150 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF101062.D
Acq: 1 Dec 2017 14:50

Tgt Ion:228 Resp: 29452
Ion Ratio Lower Upper
228 100
226 33.0 22.6 33.8
229 21.5 15.8 23.6

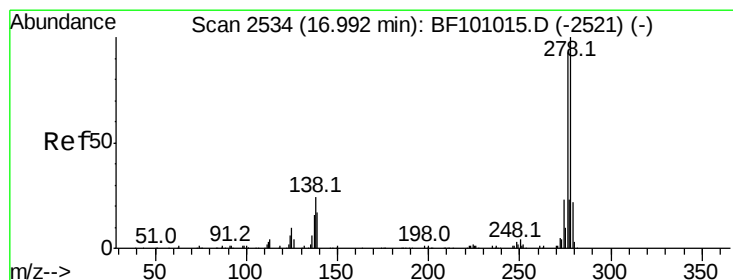
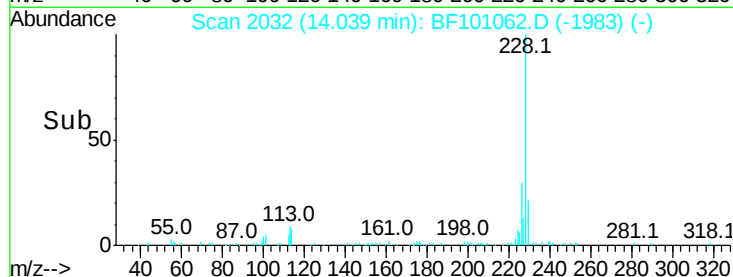
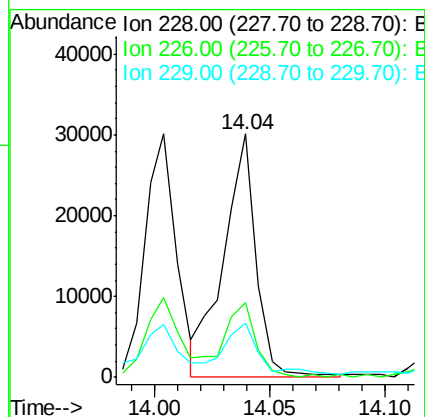
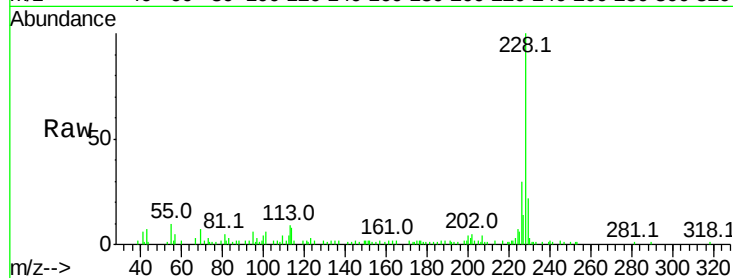




#82
Chrysene
Concen: 4.489 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF101062.D
Acq: 1 Dec 2017 14:50

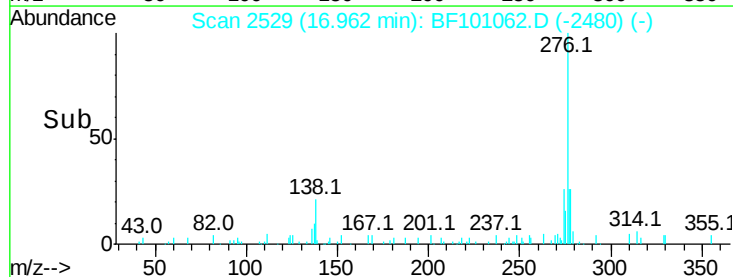
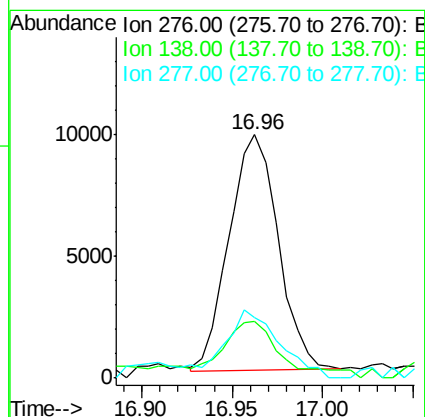
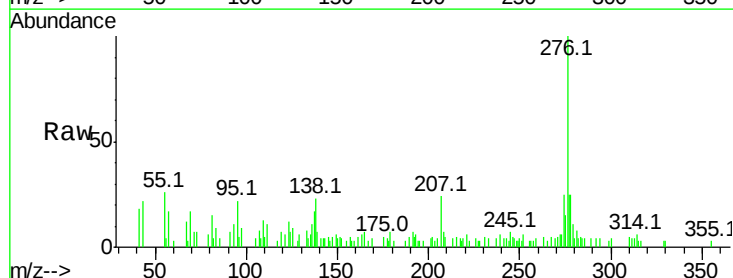
Instrument :
BNA_F
ClientSampleId :
SB-3(10-12)-20171127

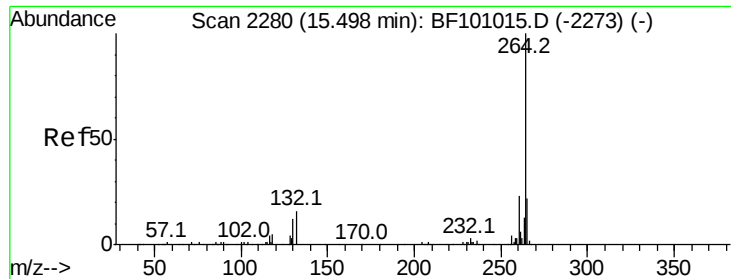
Tot	Ion:228	Resp:	29587
Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.0	37.6
229	22.4	16.2	24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.121 ng
RT: 16.96 min Scan# 2529
Delta R.T. -0.01 min
Lab File: BF101062.D
Acq: 1 Dec 2017 14:50

Tgt	Ion:276	Resp:	18289
Ion	Ratio	Lower	Upper
276	100		
138	33.3	25.0	37.6
277	32.7	20.1	30.1#





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2278

Delta R.T. -0.01 min

Lab File: BF101062.D

Acq: 1 Dec 2017 14:50

Instrument :

BNA_F

ClientSampleId :

SB-3(10-12)-20171127

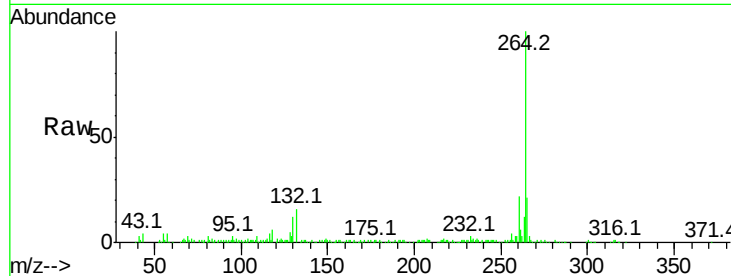
Tot Ion:264 Resp: 121577

Ion Ratio Lower Upper

264 100

260 22.4 19.2 28.8

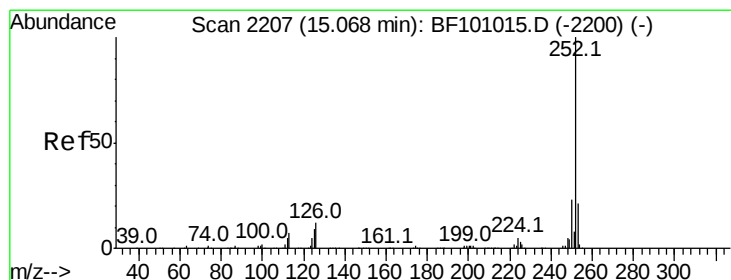
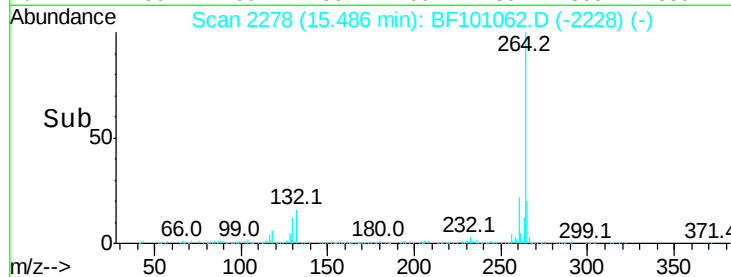
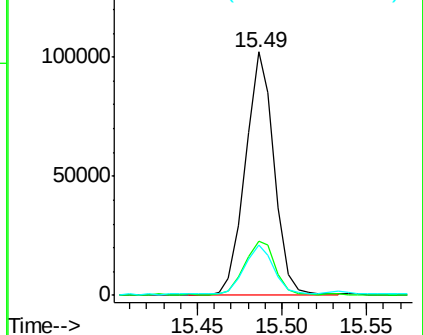
265 20.6 17.5 26.3



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: 7.230 ng

RT: 15.05 min Scan# 2204

Delta R.T. -0.01 min

Lab File: BF101062.D

Acq: 1 Dec 2017 14:50

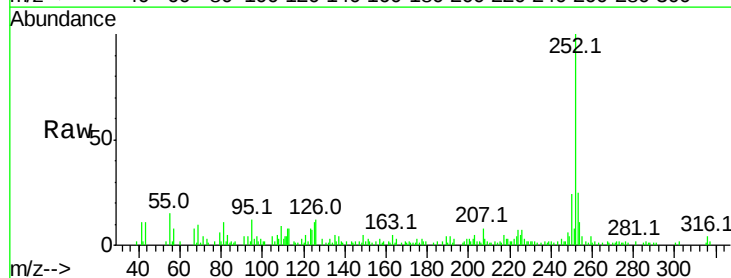
Tgt Ion:252 Resp: 52647

Ion Ratio Lower Upper

252 100

253 25.3 17.0 25.6

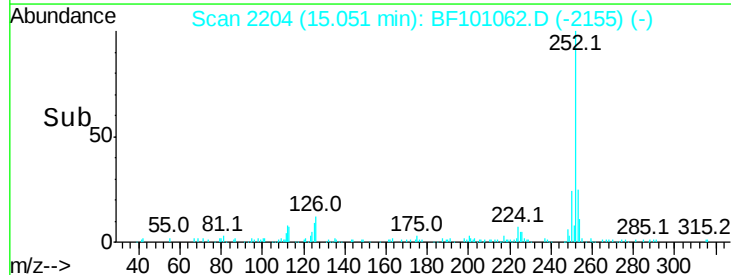
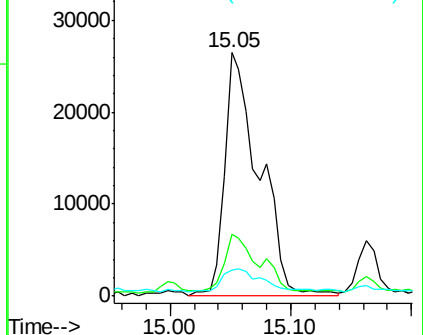
125 10.6 9.0 13.6

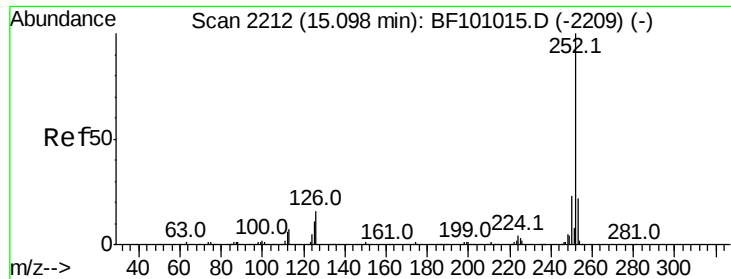


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

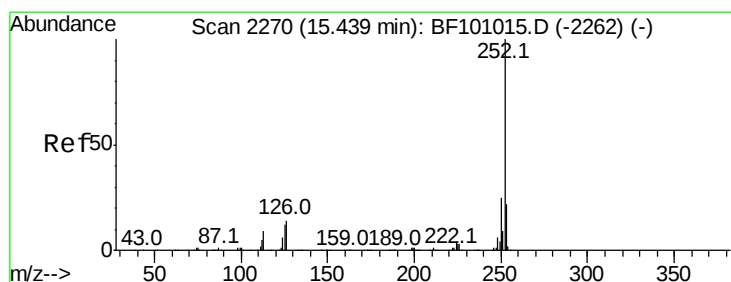
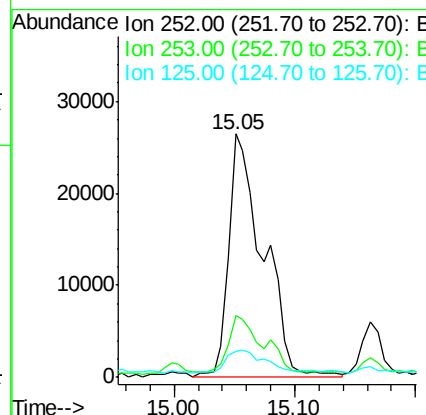
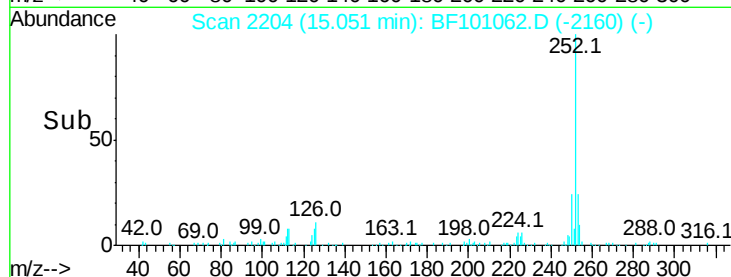
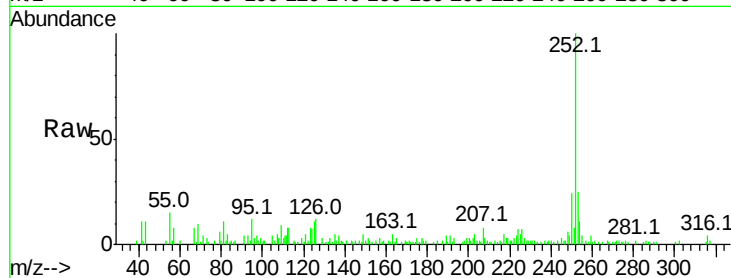




#88
Benzo(k)fluoranthene
Concen: 7.338 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.04 min
Lab File: BF101062.D
Acq: 1 Dec 2017 14:50

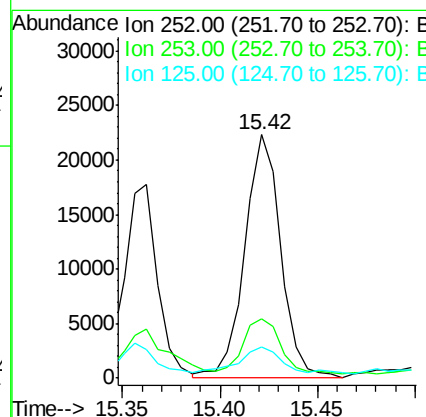
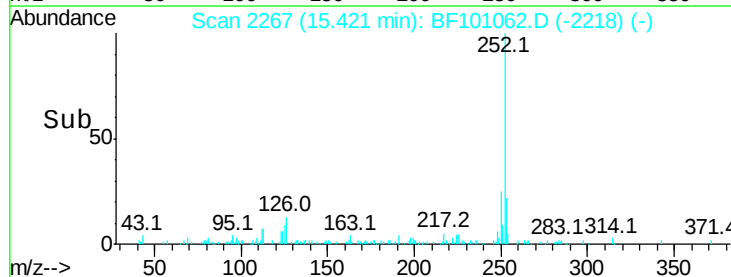
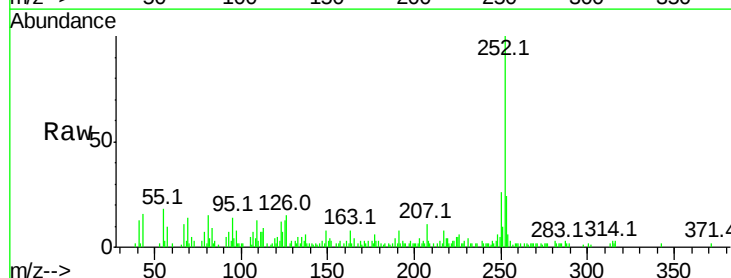
Instrument :
BNA_F
ClientSampleId :
SB-3(10-12)-20171127

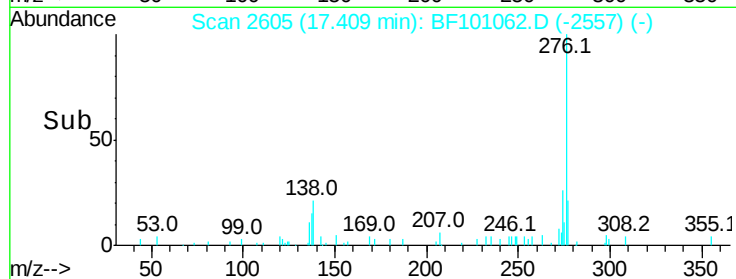
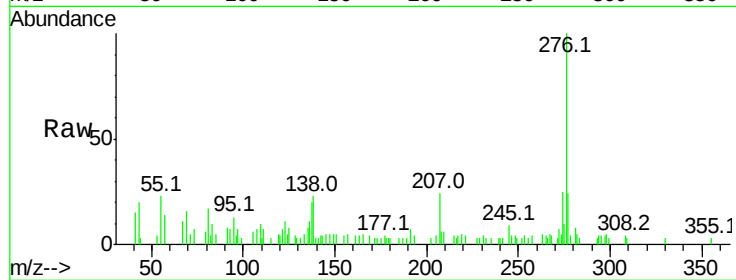
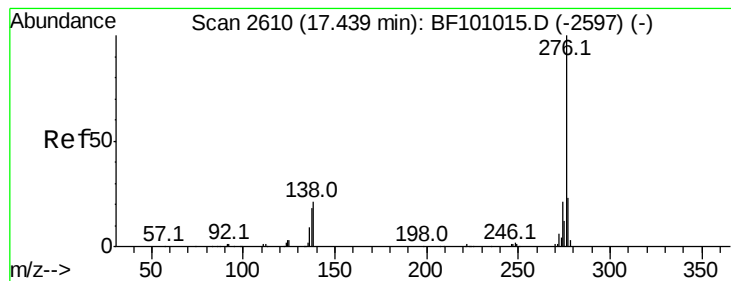
Tot Ion:252 Resp: 52647
Ion Ratio Lower Upper
252 100
253 25.3 17.9 26.9
125 10.6 10.2 15.2



#89
Benzo(a)pyrene
Concen: 4.321 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.01 min
Lab File: BF101062.D
Acq: 1 Dec 2017 14:50

Tgt Ion:252 Resp: 28605
Ion Ratio Lower Upper
252 100
253 24.4 17.1 25.7
125 12.9 9.8 14.6





#91

Benzo(a,h,i)perylene

Concen: 4.026 ng

RT: 17.41 min Scan# 2605

Delta R.T. -0.02 min

Lab File: BF101062.D

Acq: 1 Dec 2017 14:50

Instrument :

BNA_F

ClientSampleId :

SB-3(10-12)-20171127

Tot Ion:276 Resp: 22143

Ion Ratio Lower Upper

276 100

277 23.6 17.9 26.9

138 22.8 21.8 32.8

