

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122917\
 Data File : BF101819.D
 Acq On : 29 Dec 2017 10:46
 Operator : SJ/JU
 Sample : I7056-01 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 29 13:26:32 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 29 13:21:45 2017
 Response via : Initial Calibration

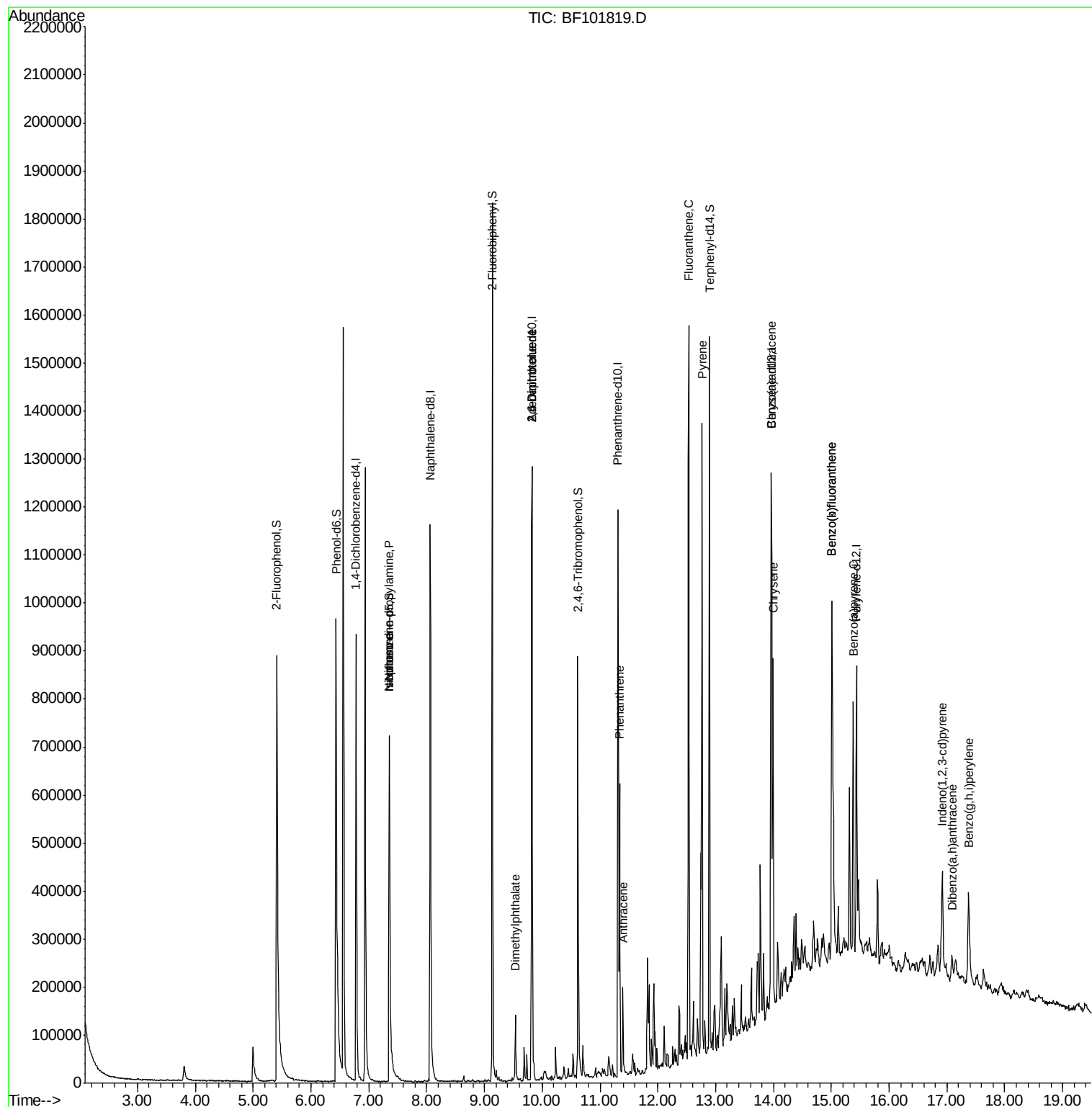
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	155700	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	617319	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	258028	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	440300	20.00	ng	0.00
75) Chrysene-d12	13.97	240	286212	20.00	ng	0.00
86) Perylene-d12	15.43	264	303127	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	492732	47.14	ng	0.00
7) Phenol-d6	6.43	99	614489	47.24	ng	0.00
23) Nitrobenzene-d5	7.36	82	370312	33.39	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	115831	46.59	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	635972	38.23	ng	0.00
78) Terphenyl-d14	12.89	244	467336	39.36	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.35	70	47315	5.538	ng	# 82
25) Isophorone	7.36	82	370312	16.646	ng	# 64
49) Dimethylphthalate	9.54	163	66631	3.210	ng	98
50) 2,6-Dinitrotoluene	9.82	165	34298	8.131	ng	# 26
56) 2,4-Dinitrotoluene	9.82	165	34298	7.217	ng	# 23
70) Phenanthrene	11.34	178	242468	9.902	ng	99
71) Anthracene	11.39	178	76961	3.077	ng	97
74) Fluoranthene	12.53	202	616847	24.001	ng	98
77) Pyrene	12.76	202	526739	24.522	ng	98
80) Benzo(a)anthracene	13.96	228	312094	16.514	ng	99
82) Chrysene	13.99	228	260466	14.597	ng	100
85) Indeno(1,2,3-cd)pyrene	16.92	276	157109	9.887	ng	# 90
87) Benzo(b)fluoranthene	15.01	252	491034	26.576	ng	97
88) Benzo(k)fluoranthene	15.01	252	491034	27.334	ng	100
89) Benzo(a)pyrene	15.38	252	255561	15.004	ng	98
90) Dibenzo(a,h)anthracene	17.09	278	34407	2.353	ng	93
91) Benzo(a,h,i)perylene	17.37	276	139999	9.668	ng	# 94

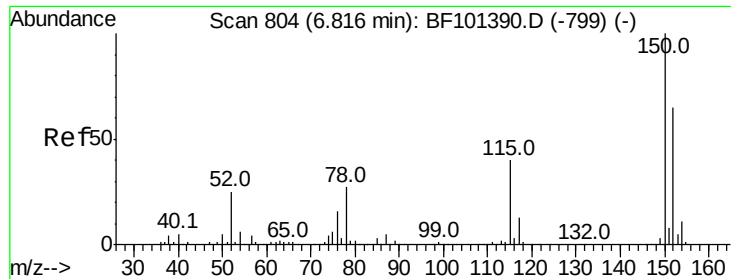
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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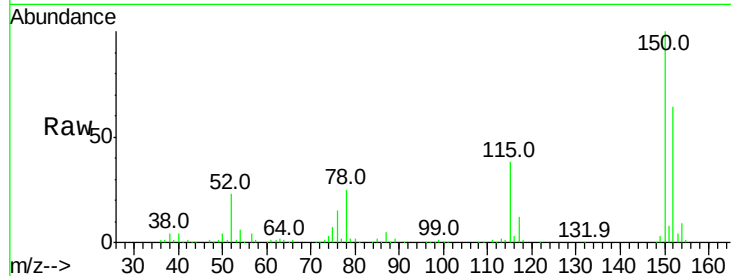


#1

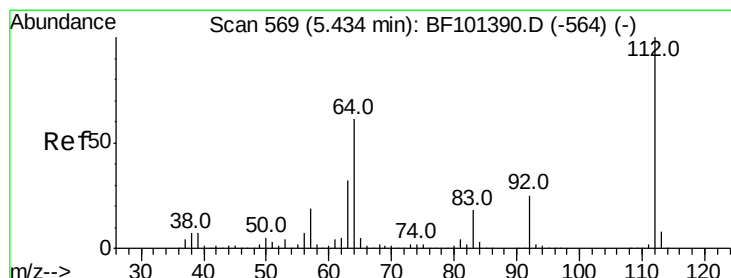
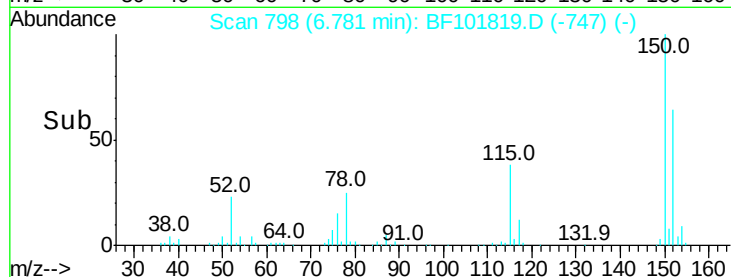
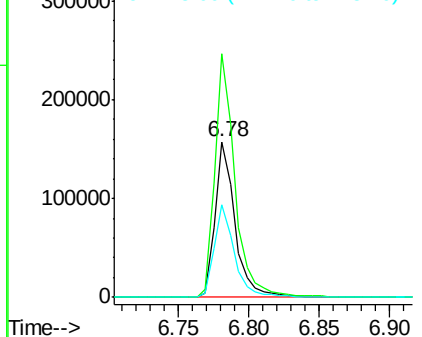
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. 0.00 min
Lab File: BF101819.D
Acq: 29 Dec 2017 10:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 155700
Ion Ratio Lower Upper
152 100
150 156.7 124.6 186.8
115 59.7 50.1 75.1



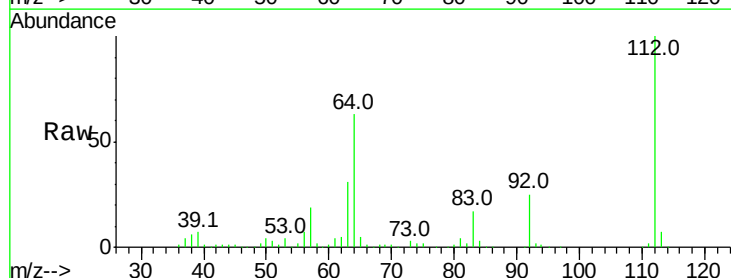
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



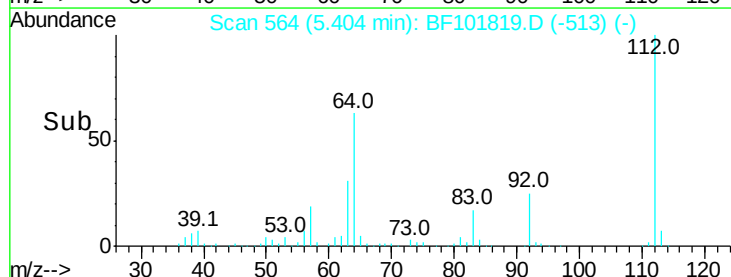
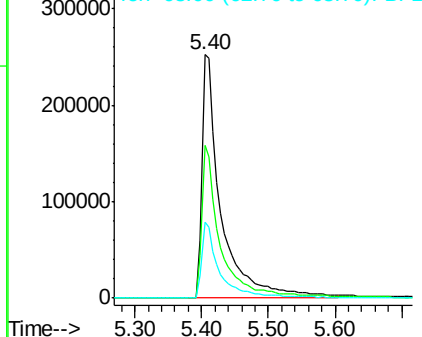
#5

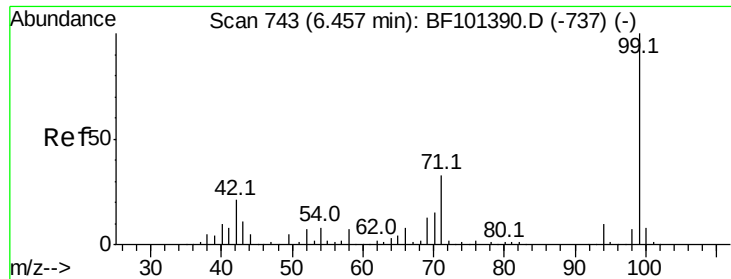
2-Fluorophenol
Concen: 47.140 ng
RT: 5.40 min Scan# 564
Delta R.T. 0.00 min
Lab File: BF101819.D
Acq: 29 Dec 2017 10:46

Tgt Ion:112 Resp: 492732
Ion Ratio Lower Upper
112 100
64 62.8 47.9 71.9
63 31.1 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: 47.237 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF101819.D

Acq: 29 Dec 2017 10:46

Instrument :

BNA_F

ClientSampleId :

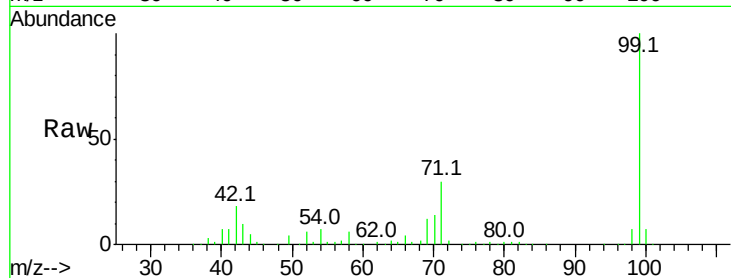
Tot Ion: 99 Resp: 614489

Ion Ratio Lower Upper

99 100

42 18.1 14.5 21.7

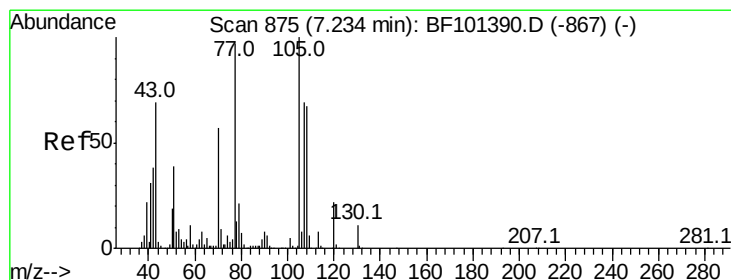
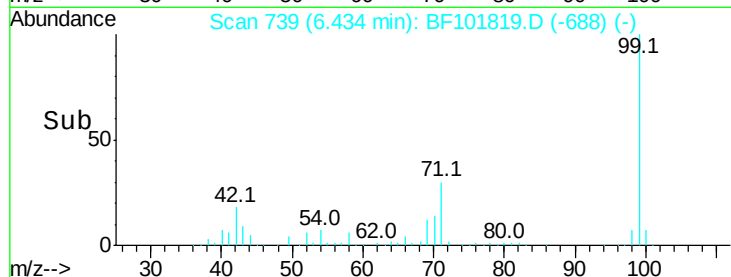
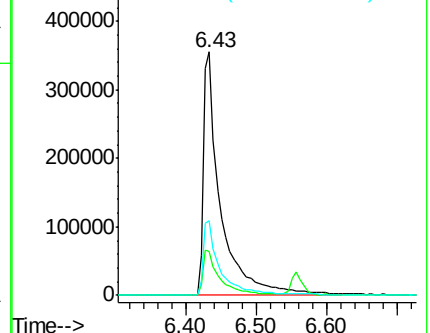
71 30.4 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 5.538 ng

RT: 7.35 min Scan# 895

Delta R.T. 0.15 min

Lab File: BF101819.D

Acq: 29 Dec 2017 10:46

Tgt Ion: 70 Resp: 47315

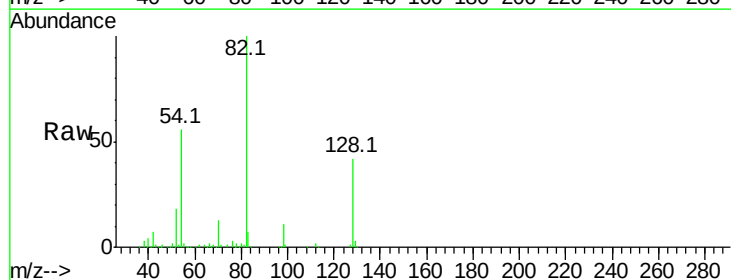
Ion Ratio Lower Upper

70 100

42 52.9 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

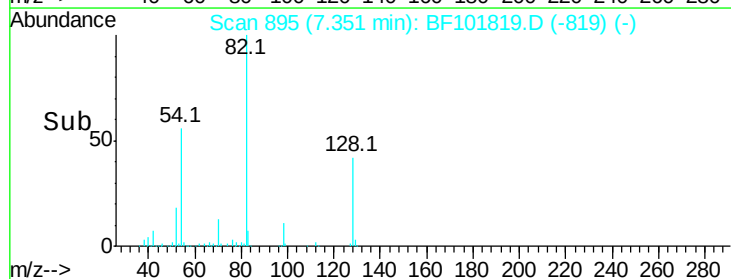
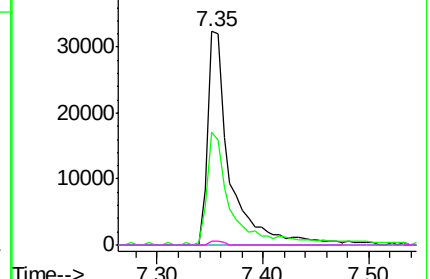


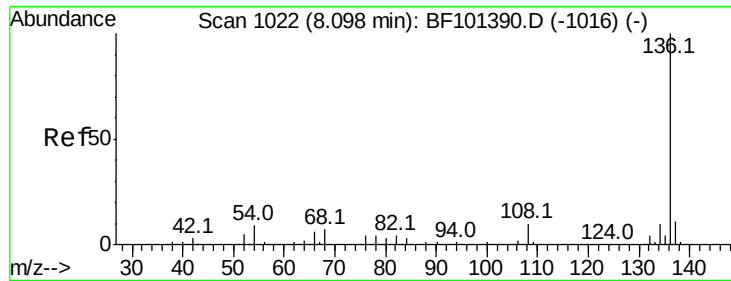
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

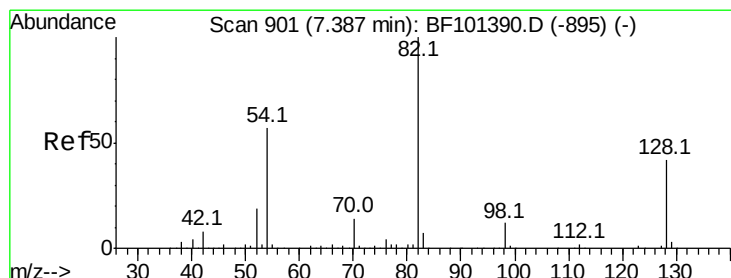
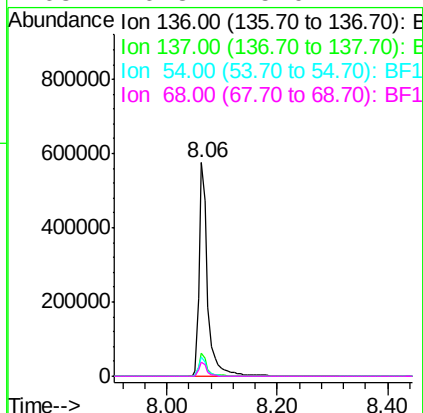
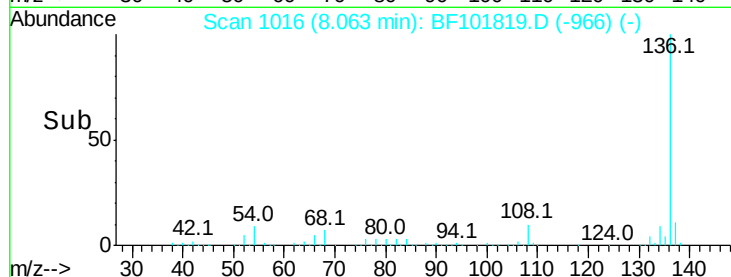
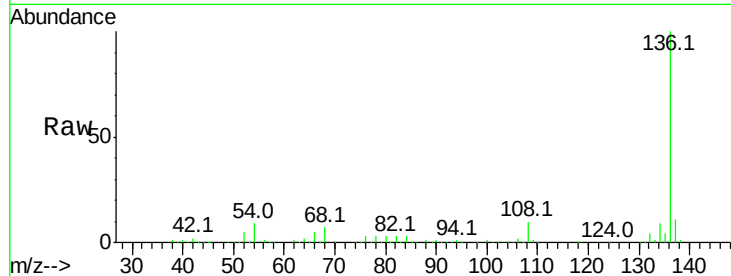




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BF101819.D
Acq: 29 Dec 2017 10:46

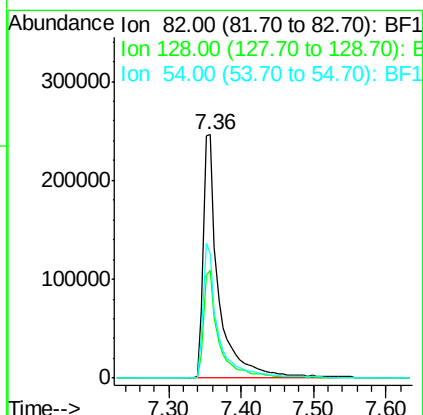
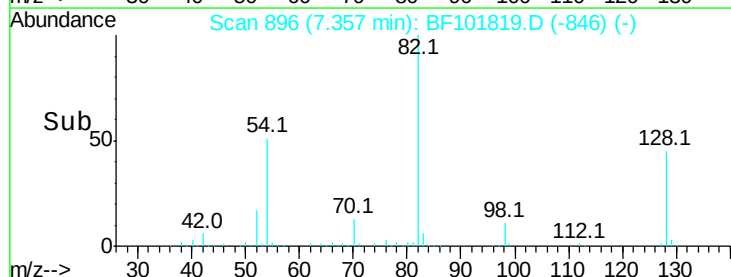
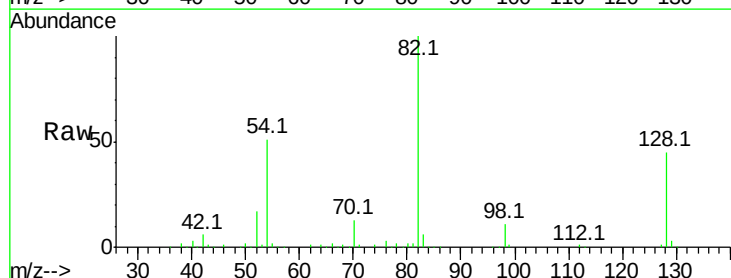
Instrument :
BNA_F
ClientSampleId :

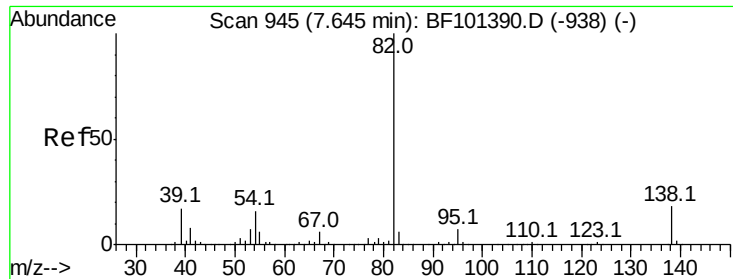
Tot Ion:	136	Resp:	617319
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	9.2	6.6	9.8
68	6.8	5.0	7.4



#23
Nitrobenzene-d5
Concen: 33.392 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF101819.D
Acq: 29 Dec 2017 10:46

Tgt Ion:	82	Resp:	370312
Ion	Ratio	Lower	Upper
82	100		
128	44.6	36.1	54.1
54	51.2	41.4	62.2





#25

Isophorone

Concen: 16.646 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.25 min

Lab File: BF101819.D

Acq: 29 Dec 2017 10:46

Instrument :

BNA_F

ClientSampleId :

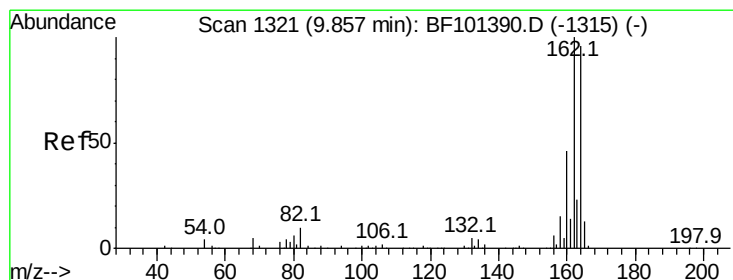
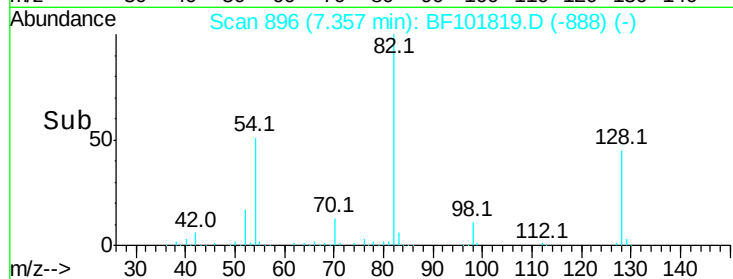
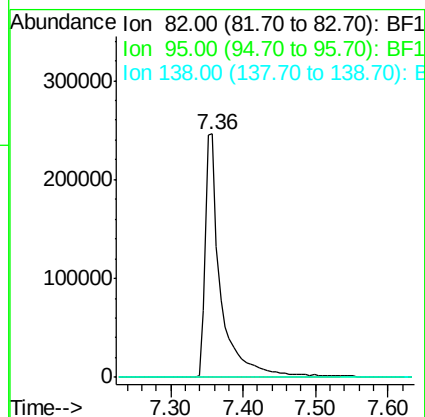
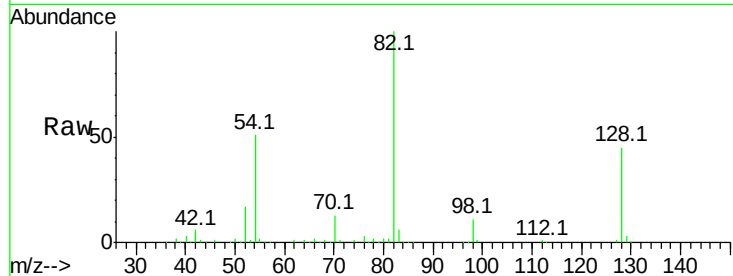
Tot Ion: 82 Resp: 370312

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: 9.82 min Scan# 1315

Delta R.T. 0.00 min

Lab File: BF101819.D

Acq: 29 Dec 2017 10:46

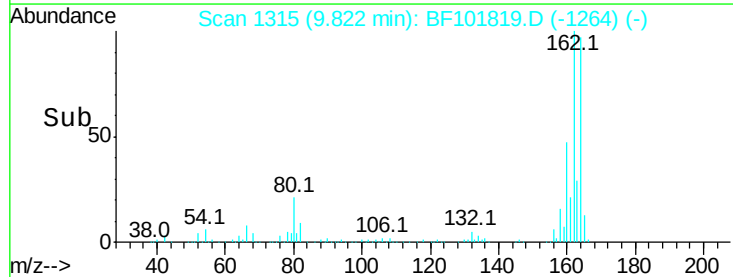
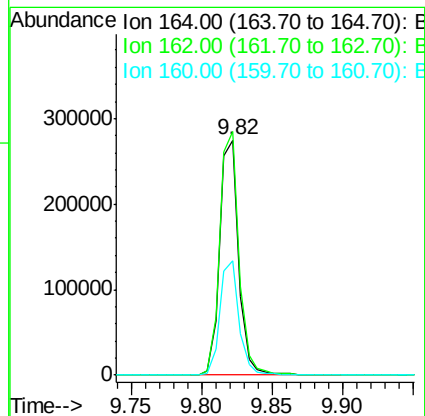
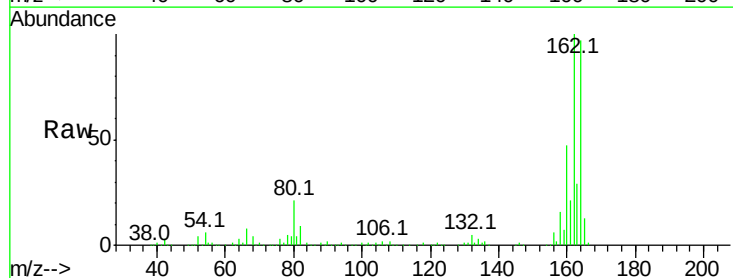
Tgt Ion:164 Resp: 258028

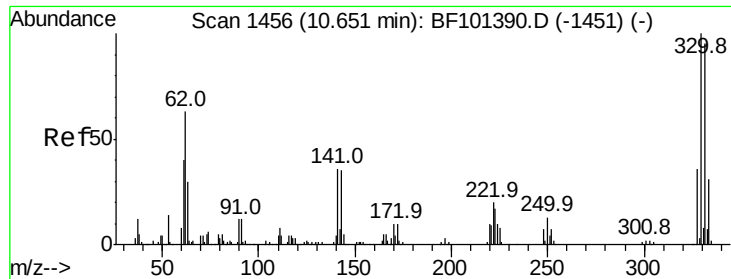
Ion Ratio Lower Upper

164 100

162 103.6 86.1 129.1

160 48.4 38.3 57.5

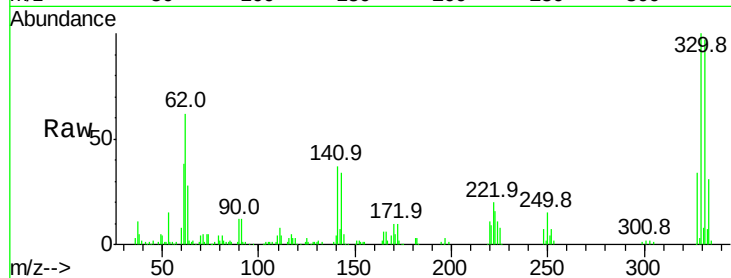




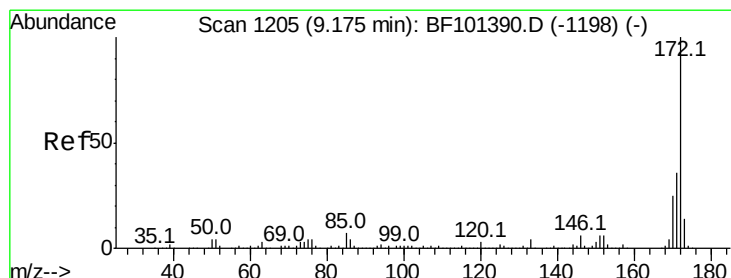
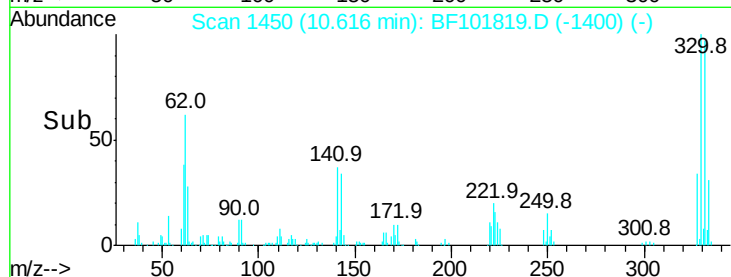
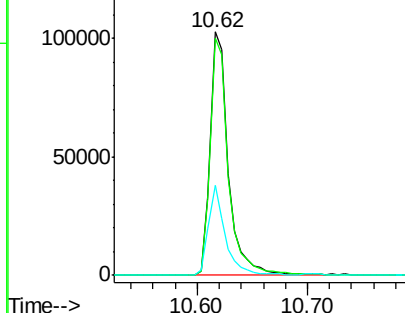
#41
 2,4,6-Tribromophenol
 Concen: 46.588 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF101819.D
 Acq: 29 Dec 2017 10:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.0	115.6
141	33.8	29.9	44.9

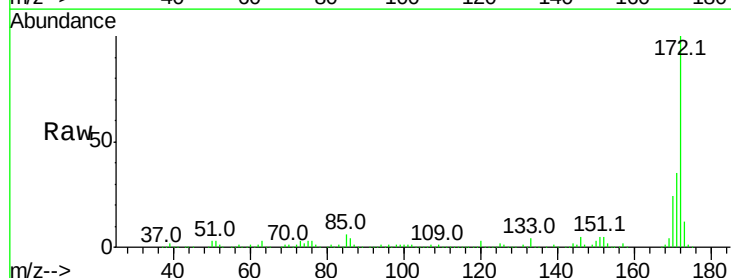


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

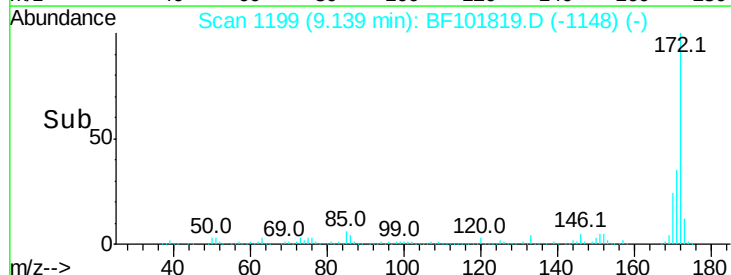
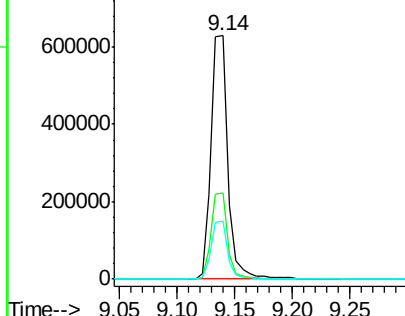


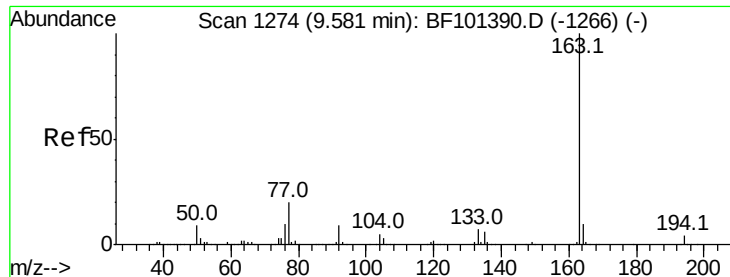
#44
 2-Fluorobiphenyl
 Concen: 38.234 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. 0.00 min
 Lab File: BF101819.D
 Acq: 29 Dec 2017 10:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.7	44.5
170	24.1	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

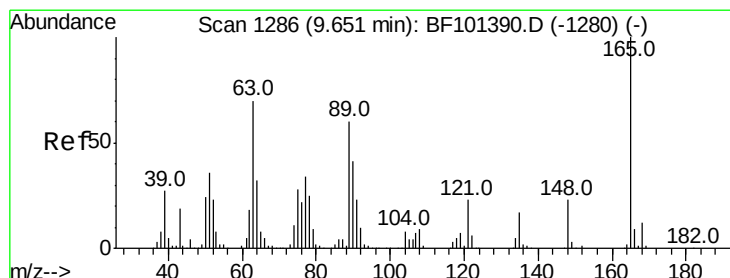
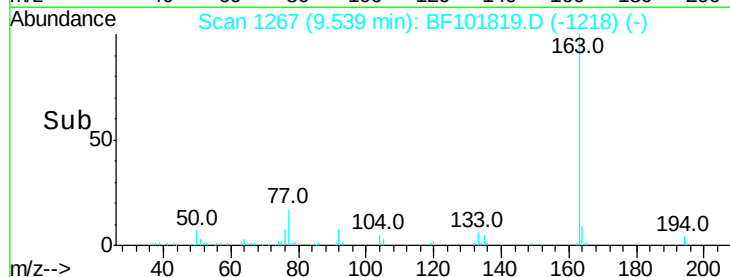
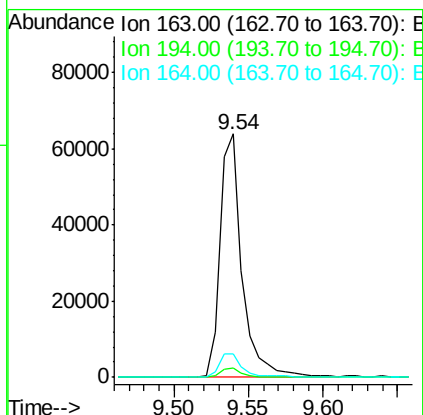
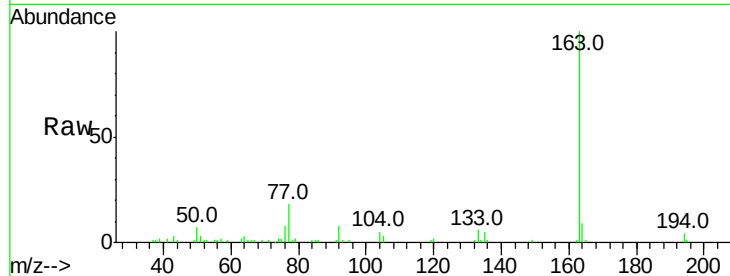




#49
Dimethylphthalate
Concen: 3.210 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BF101819.D
Acq: 29 Dec 2017 10:46

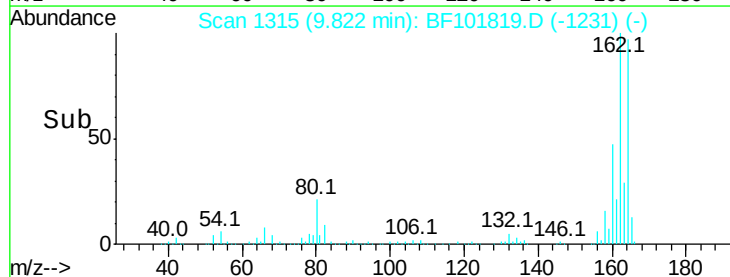
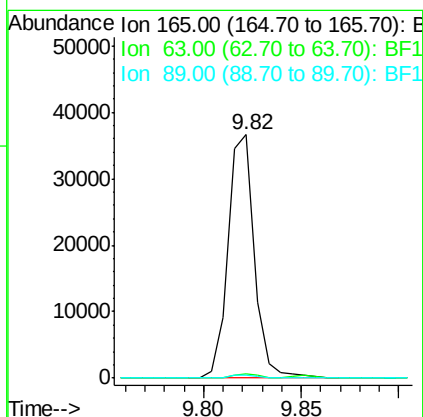
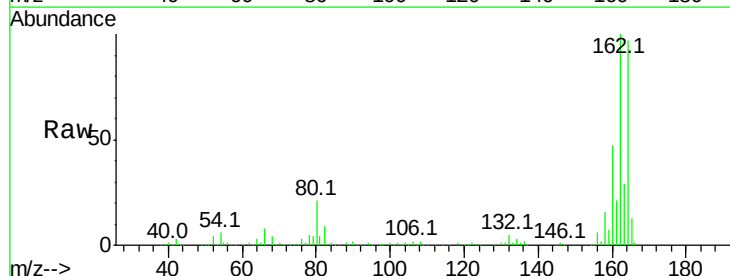
Instrument :
BNA_F
ClientSampleId :

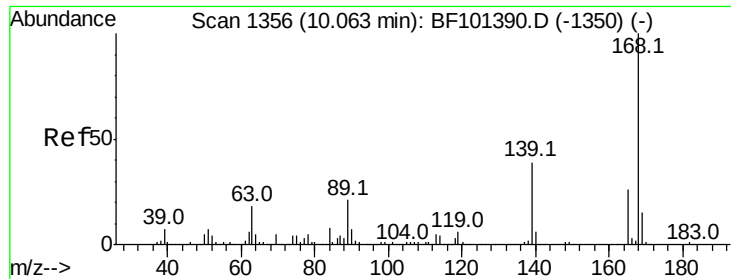
Tot Ion:163 Resp: 66631
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 9.4 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 8.131 ng
RT: 9.82 min Scan# 1315
Delta R.T. 0.19 min
Lab File: BF101819.D
Acq: 29 Dec 2017 10:46

Tgt Ion:165 Resp: 34298
Ion Ratio Lower Upper
165 100
63 1.5 44.7 67.1#
89 1.2 44.0 66.0#

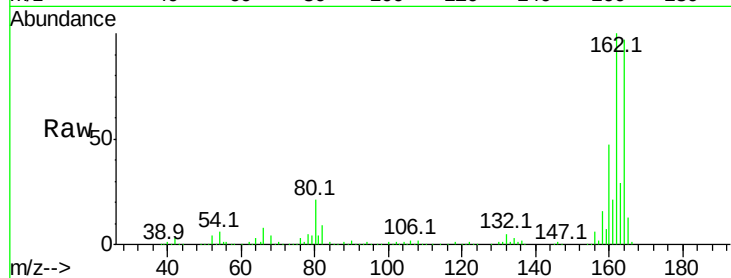




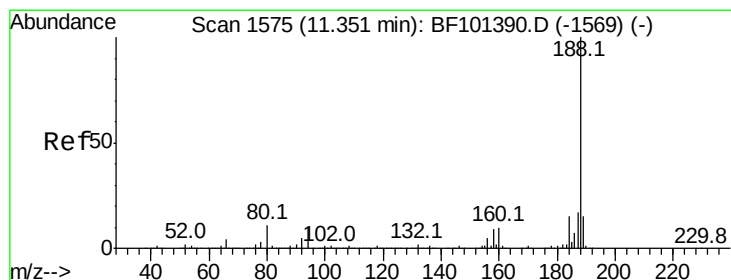
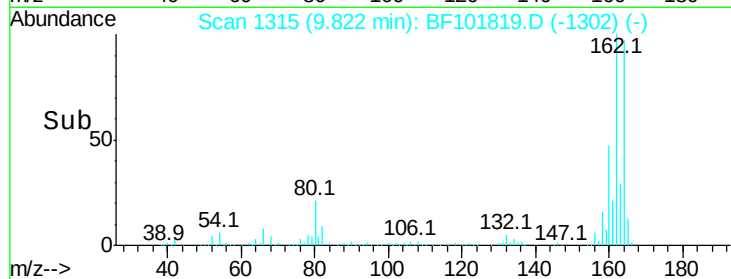
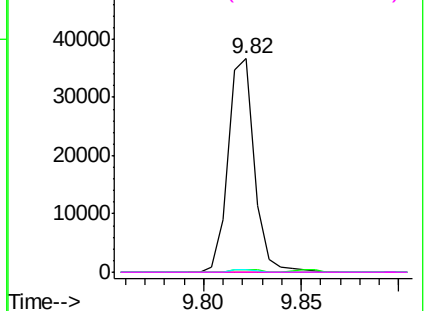
#56
2,4-Dinitrotoluene
Concen: 7.217 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.22 min
Lab File: BF101819.D
Acq: 29 Dec 2017 10:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 34298
Ion Ratio Lower Upper
165 100
63 1.5 36.4 54.6#
89 1.2 57.8 86.6#
182 0.0 1.6 2.4#

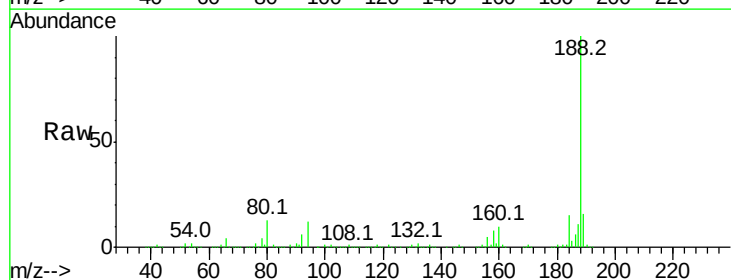


Abundance Ion 165.00 (164.70 to 165.70): E

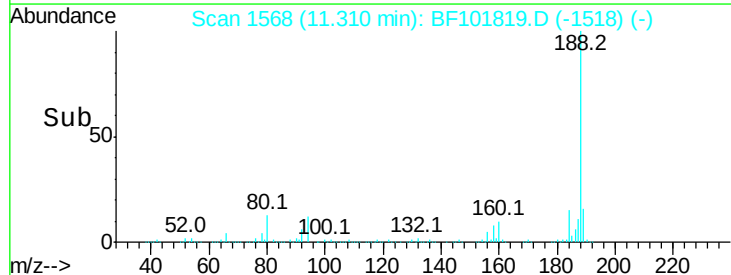
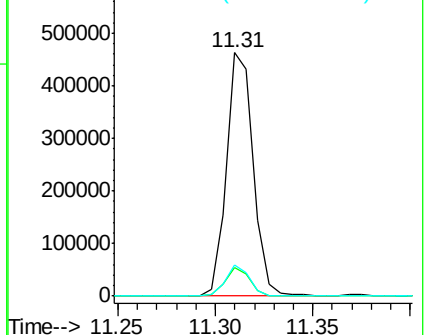


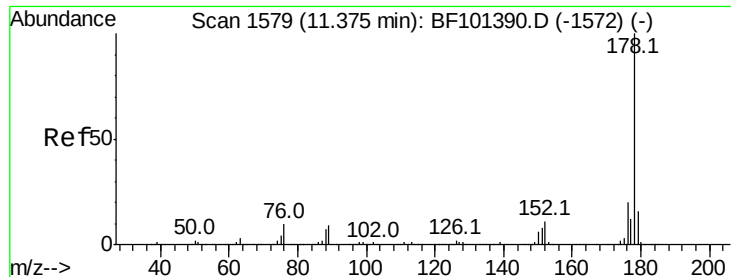
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF101819.D
Acq: 29 Dec 2017 10:46

Tgt Ion:188 Resp: 440300
Ion Ratio Lower Upper
188 100
94 11.6 8.5 12.7
80 12.7 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

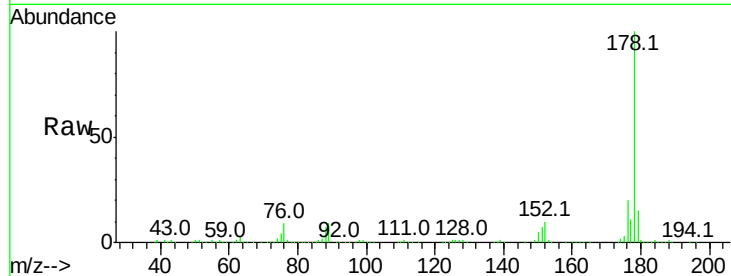




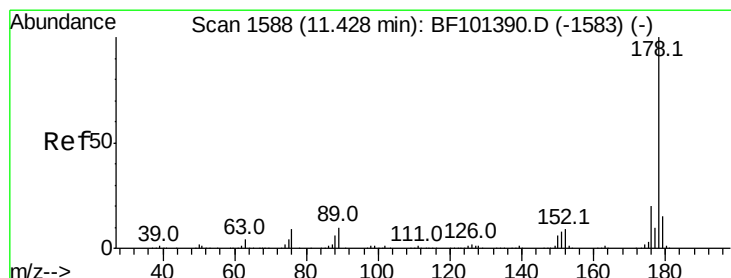
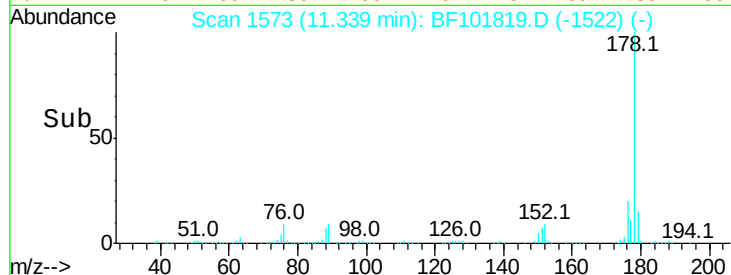
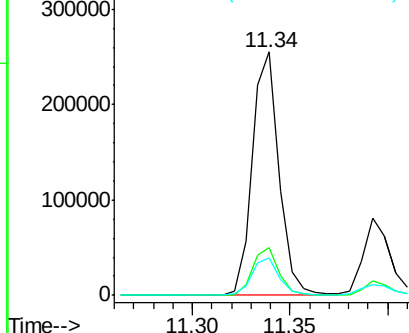
#70
Phenanthrene
Concen: 9.902 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF101819.D
Acq: 29 Dec 2017 10:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 242468
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.8
179 15.4 13.0 19.6

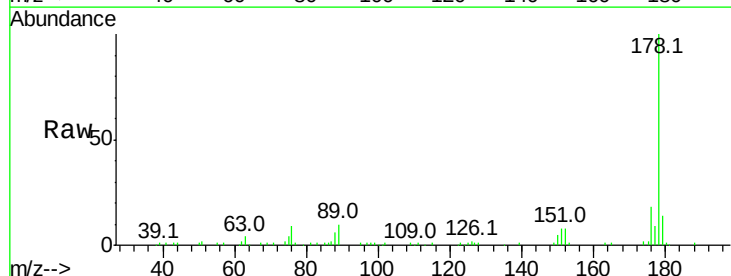


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

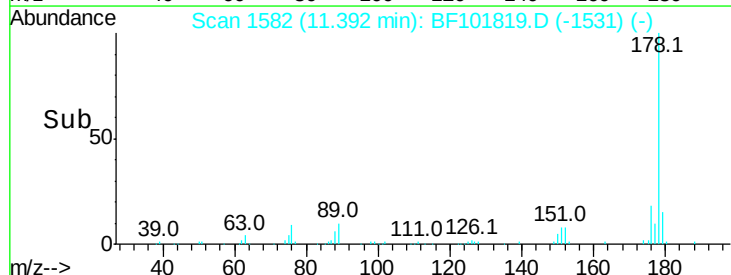
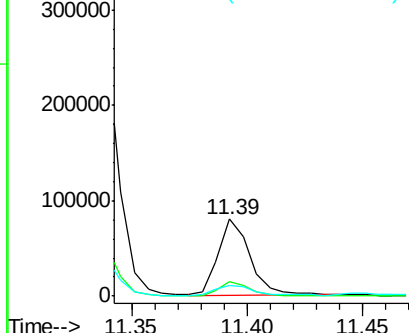


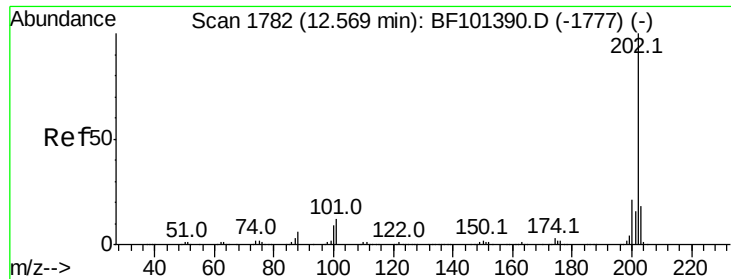
#71
Anthracene
Concen: 3.077 ng
RT: 11.39 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BF101819.D
Acq: 29 Dec 2017 10:46

Tgt Ion:178 Resp: 76961
Ion Ratio Lower Upper
178 100
176 18.1 15.4 23.2
179 14.5 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





#74

Fluoranthene

Concen: 24.001 ng

RT: 12.53 min Scan# 1776

Delta R.T. 0.00 min

Lab File: BF101819.D

Acq: 29 Dec 2017 10:46

Instrument :

BNA_F

ClientSampleId :

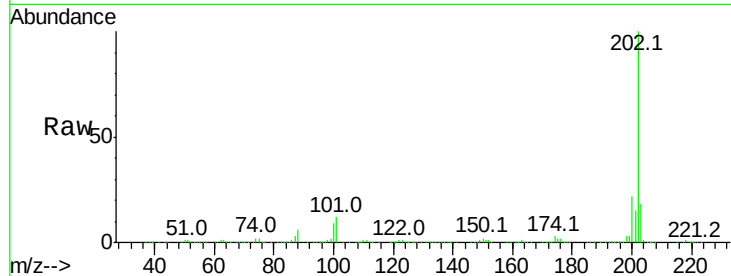
Tot Ion:202 Resp: 616847

Ion Ratio Lower Upper

202 100

101 12.2 0.0 34.1

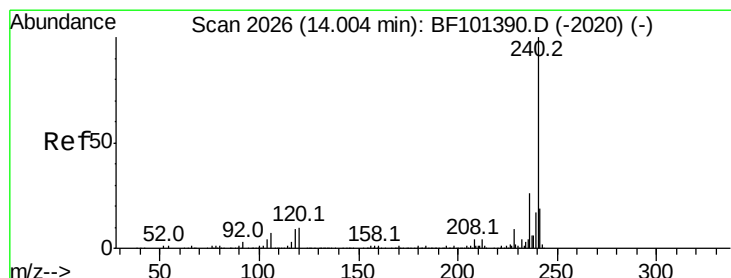
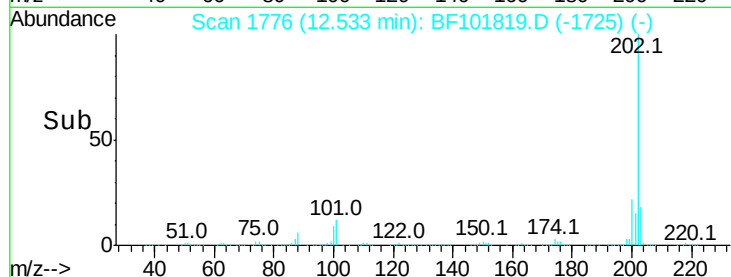
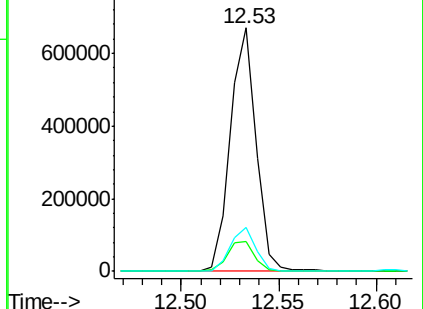
203 18.2 0.0 38.1



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: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF101819.D

Acq: 29 Dec 2017 10:46

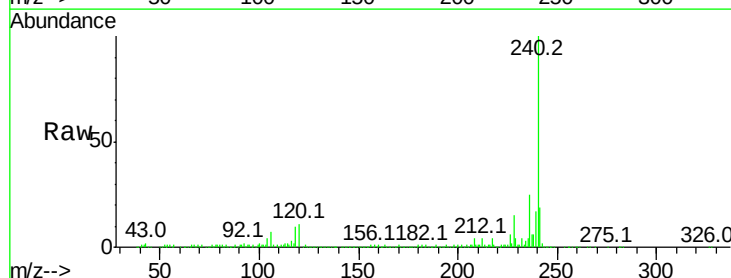
Tgt Ion:240 Resp: 286212

Ion Ratio Lower Upper

240 100

120 10.9 9.5 14.3

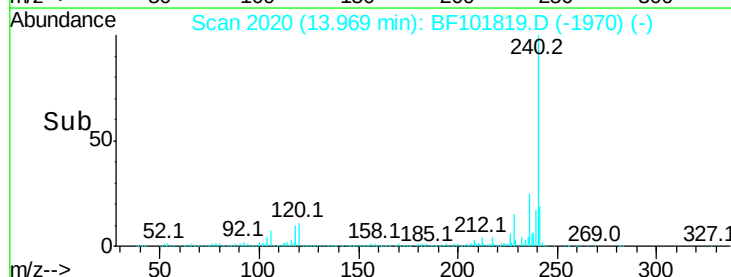
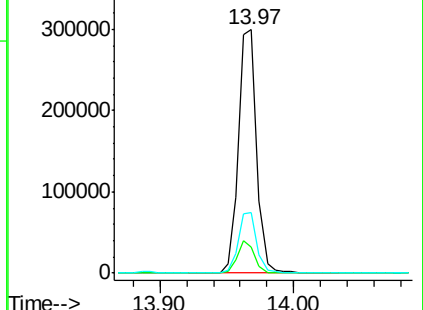
236 25.1 20.7 31.1

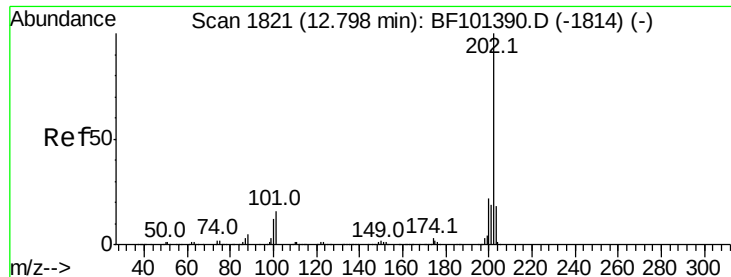


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 24.522 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BF101819.D

Acq: 29 Dec 2017 10:46

Instrument :

BNA_F

ClientSampleId :

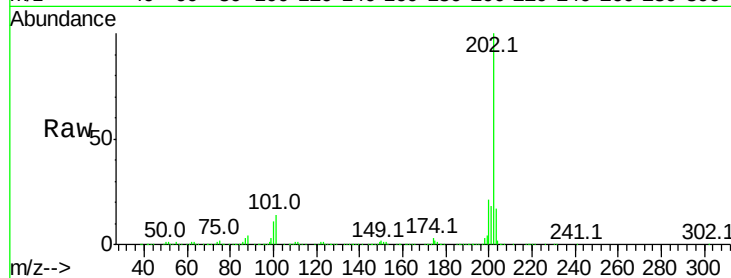
Tot Ion:202 Resp: 526739

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

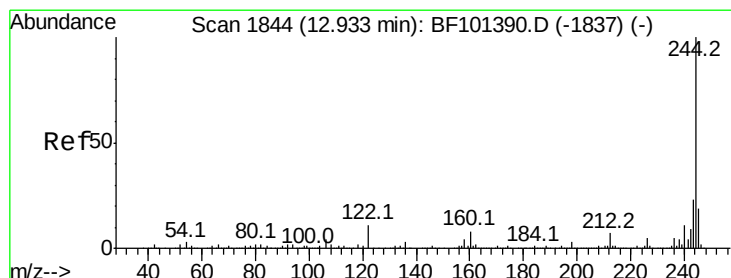
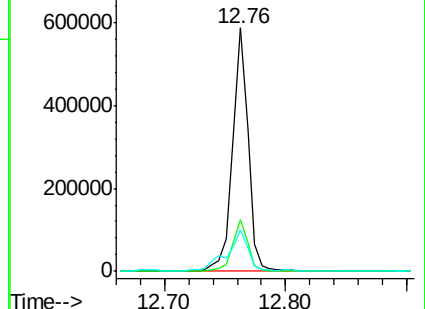
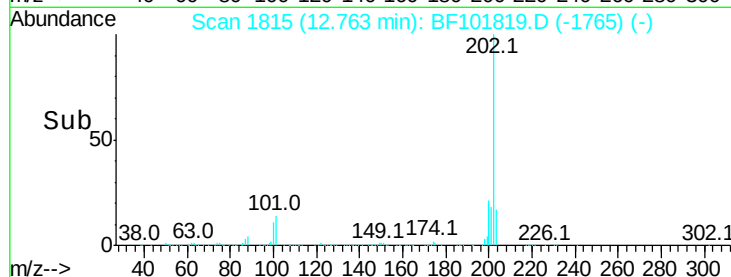
203 17.2 14.3 21.5



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: 39.364 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF101819.D

Acq: 29 Dec 2017 10:46

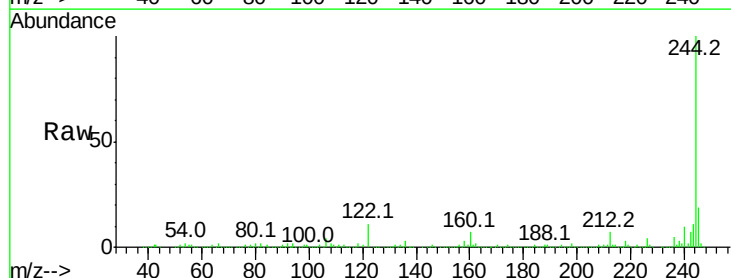
Tgt Ion:244 Resp: 467336

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

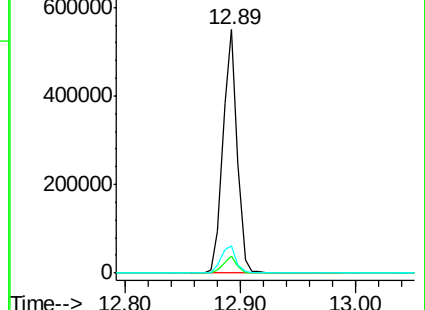
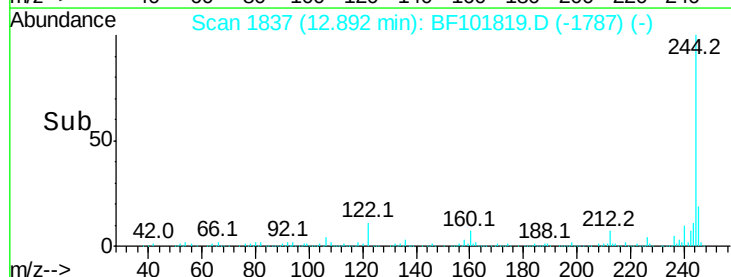
122 11.4 11.0 16.4

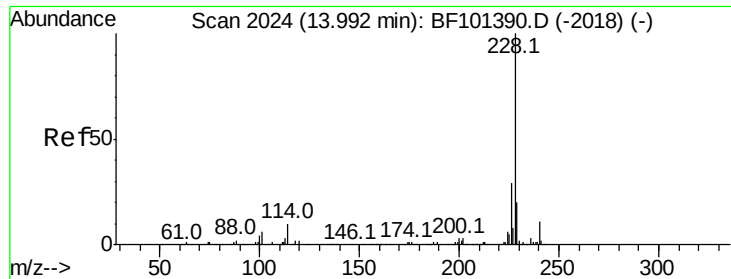


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 16.514 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF101819.D

Acq: 29 Dec 2017 10:46

Instrument :

BNA_F

ClientSampleId :

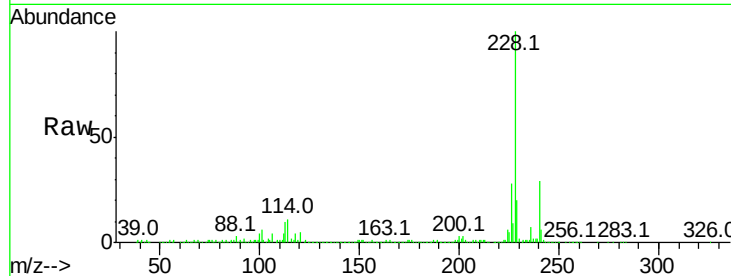
Tot Ion:228 Resp: 312094

Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.6	33.8
229	20.4	15.8	23.6

228 100

226 28.1 22.6 33.8

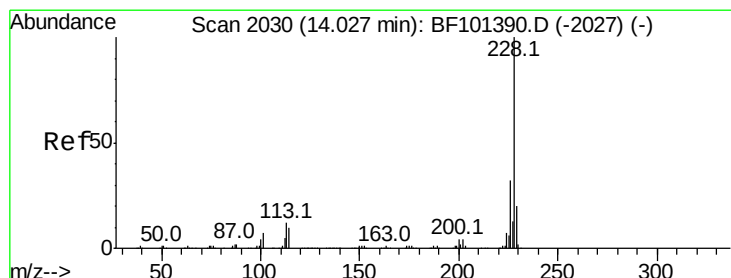
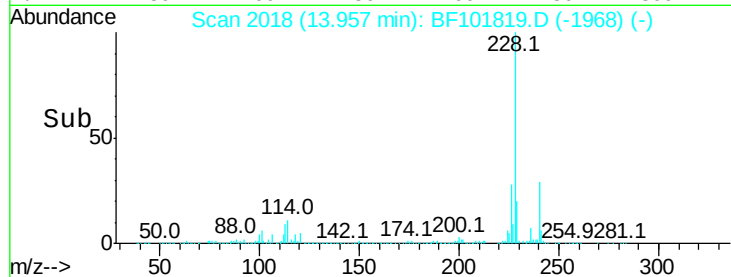
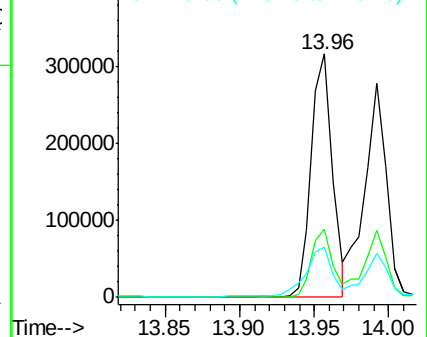
229 20.4 15.8 23.6



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: 14.597 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF101819.D

Acq: 29 Dec 2017 10:46

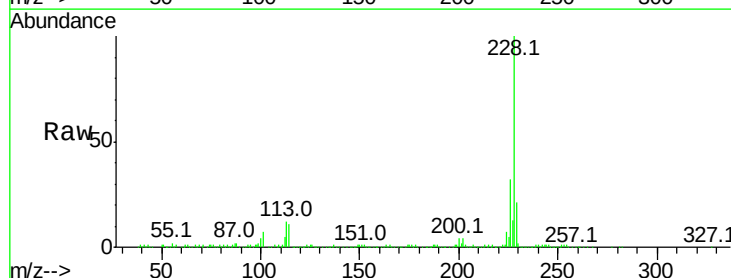
Tgt Ion:228 Resp: 260466

Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.0	37.6
229	20.6	16.2	24.4

228 100

226 31.5 25.0 37.6

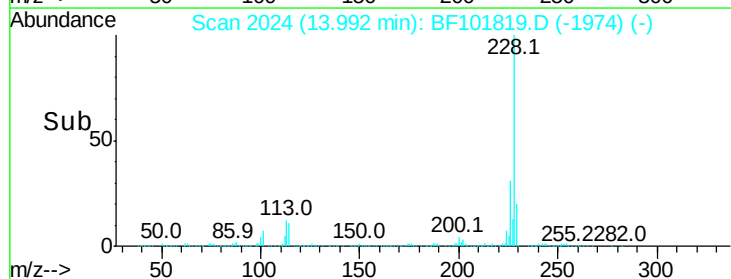
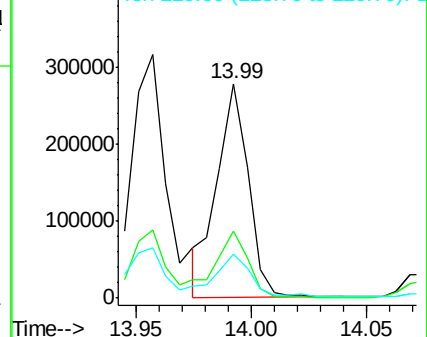
229 20.6 16.2 24.4

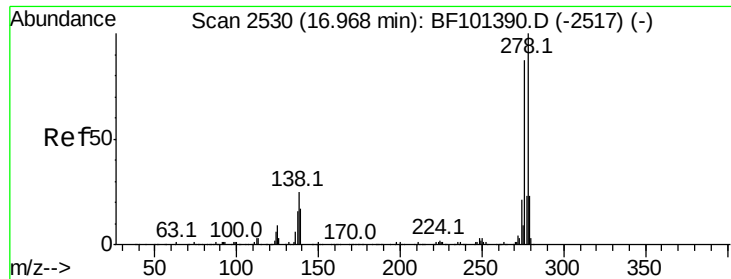


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

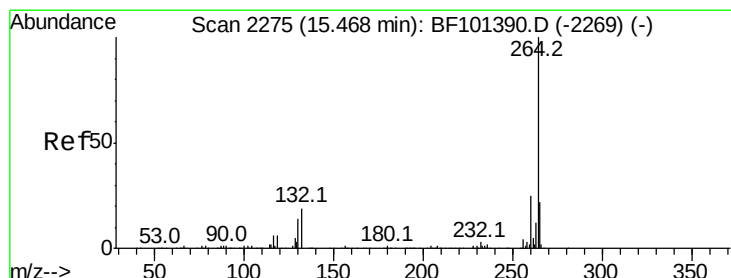
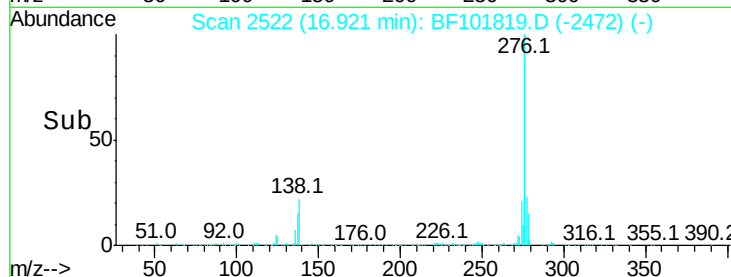
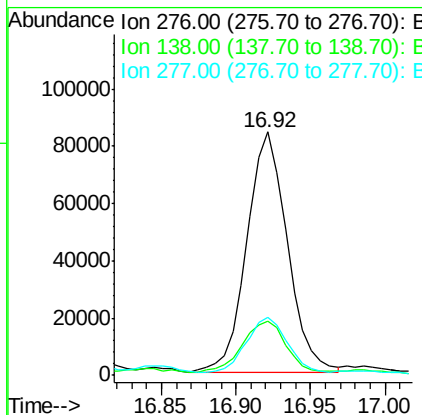
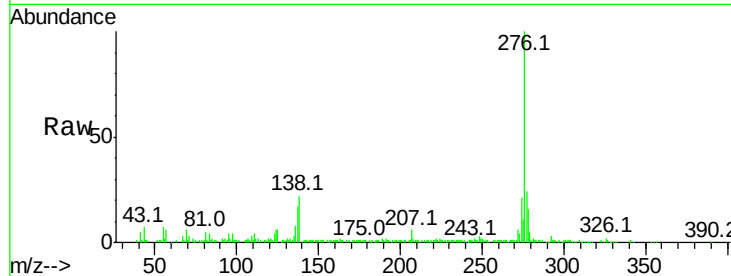




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 9.887 ng
 RT: 16.92 min Scan# 2522
 Delta R.T. -0.01 min
 Lab File: BF101819.D
 Acq: 29 Dec 2017 10:46

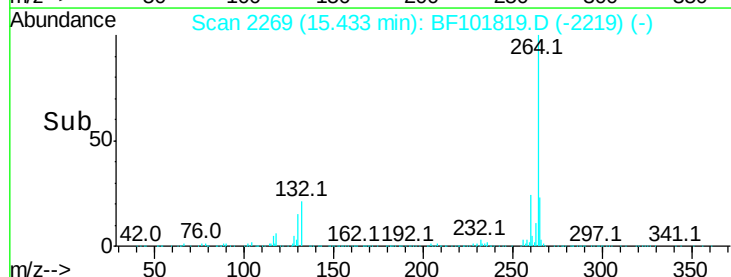
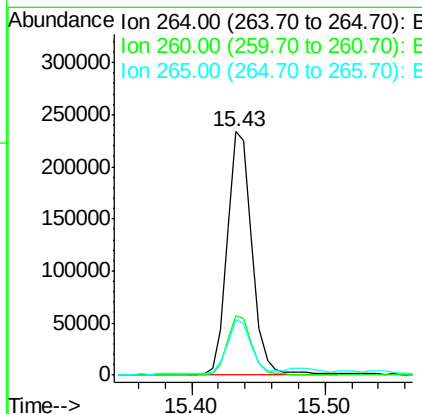
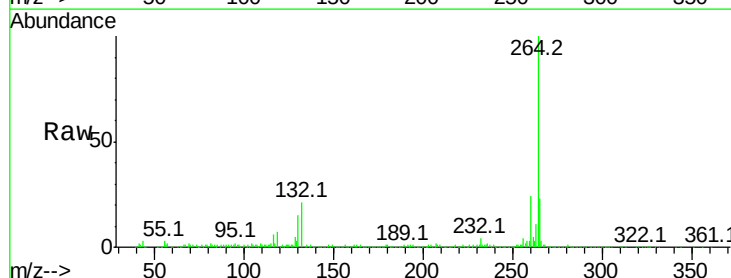
Instrument :
 BNA_F
 ClientSampleId :

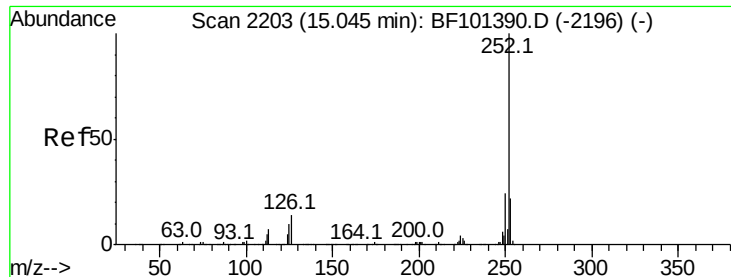
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.5	25.0	37.6#
277	23.9	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: BF101819.D
 Acq: 29 Dec 2017 10:46

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.9	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 26.576 ng

RT: 15.01 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BF101819.D

Acq: 29 Dec 2017 10:46

Instrument :

BNA_F

ClientSampleId :

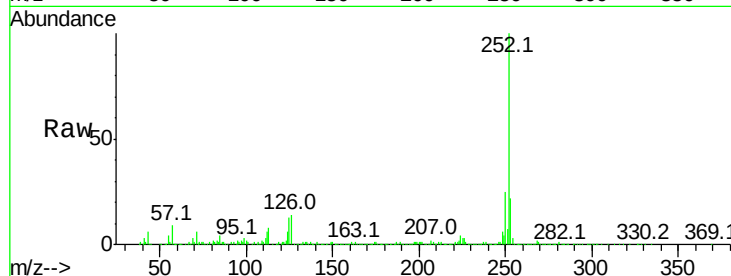
Tot Ion:252 Resp: 491034

Ion Ratio Lower Upper

252 100

253 22.3 17.0 25.6

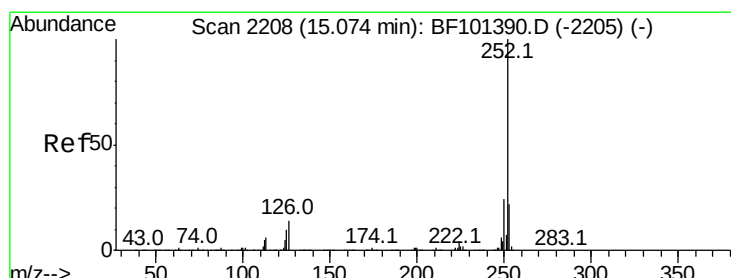
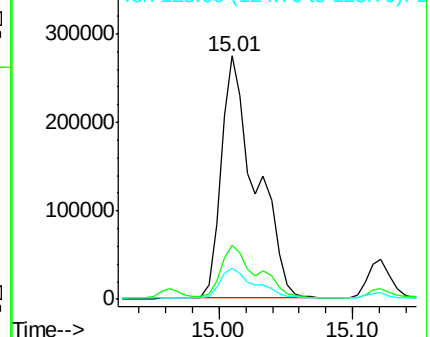
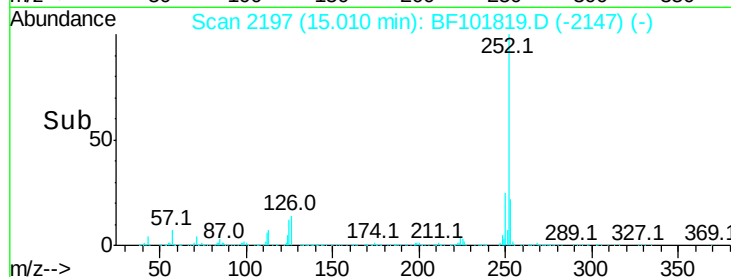
125 12.7 9.0 13.6



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: 27.334 ng

RT: 15.01 min Scan# 2197

Delta R.T. -0.03 min

Lab File: BF101819.D

Acq: 29 Dec 2017 10:46

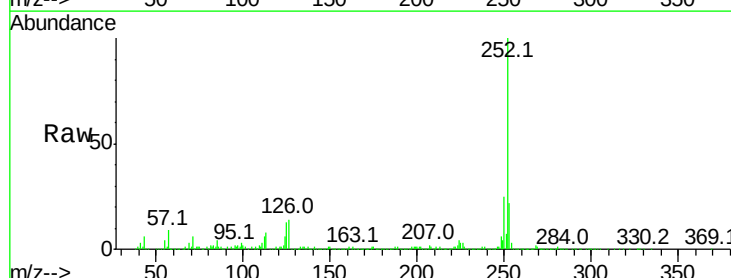
Tgt Ion:252 Resp: 491034

Ion Ratio Lower Upper

252 100

253 22.3 17.9 26.9

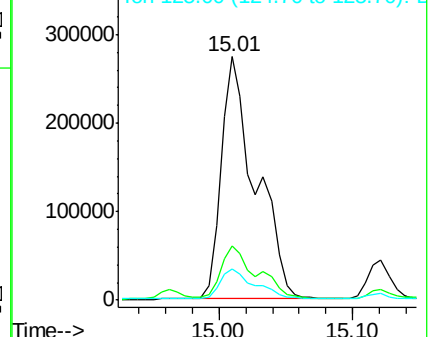
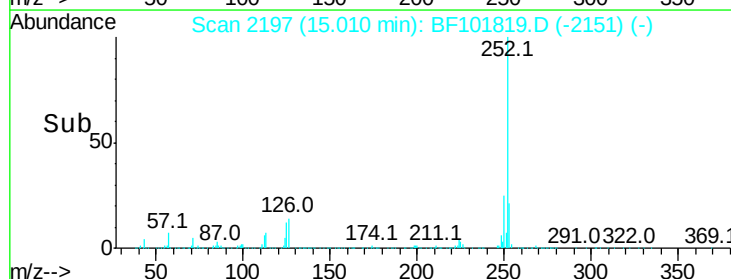
125 12.7 10.2 15.2

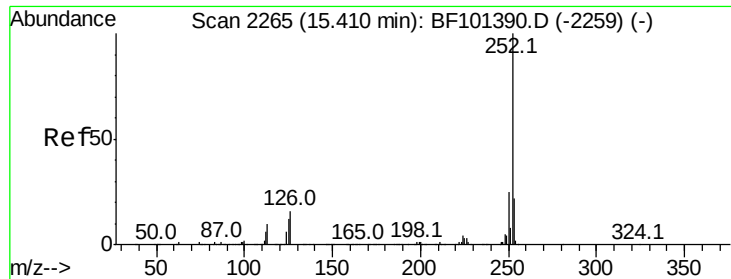


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 15.004 ng

RT: 15.38 min Scan# 2260

Delta R.T. 0.00 min

Lab File: BF101819.D

Acq: 29 Dec 2017 10:46

Instrument :

BNA_F

ClientSampleId :

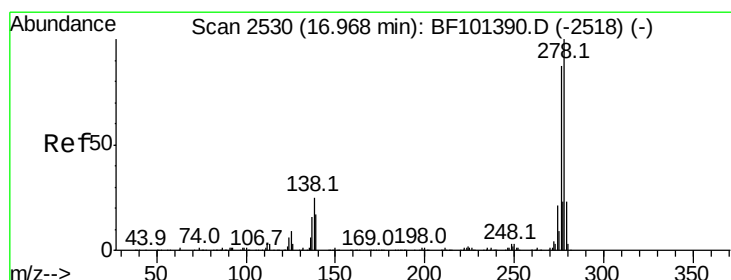
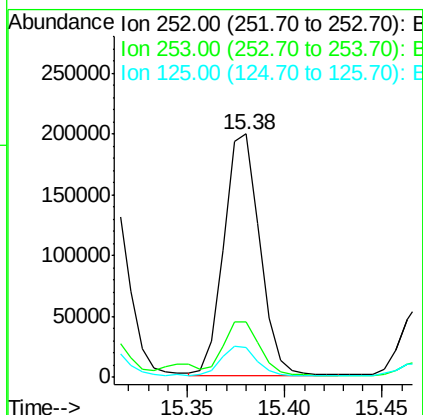
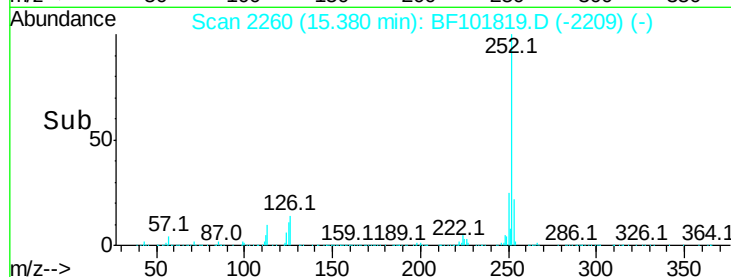
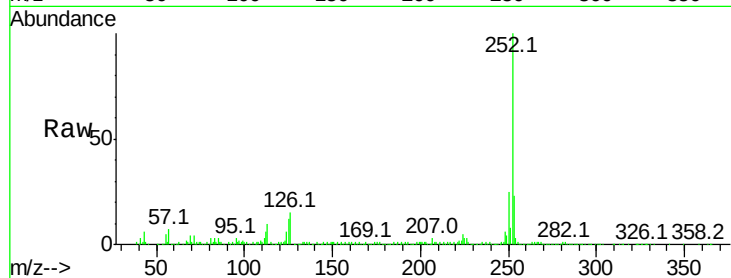
Tot Ion:252 Resp: 255561

Ion Ratio Lower Upper

252 100

253 23.0 17.1 25.7

125 12.0 9.8 14.6



#90

Dibenzo(a,h)anthracene

Concen: 2.353 ng

RT: 17.09 min Scan# 2550

Delta R.T. 0.17 min

Lab File: BF101819.D

Acq: 29 Dec 2017 10:46

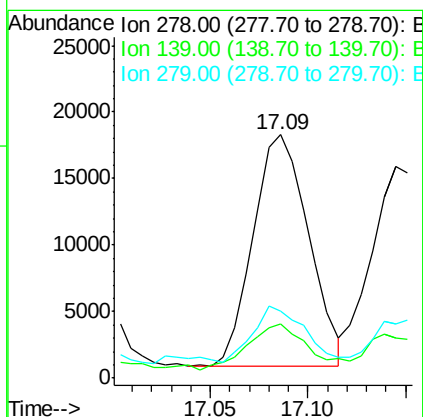
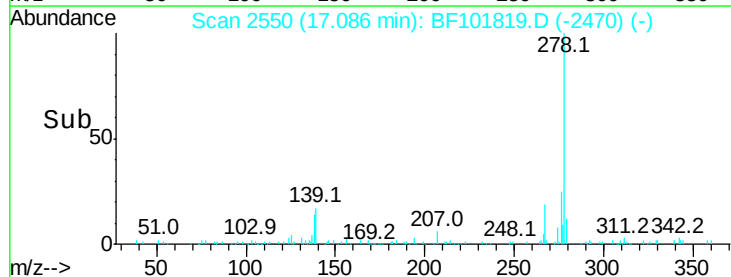
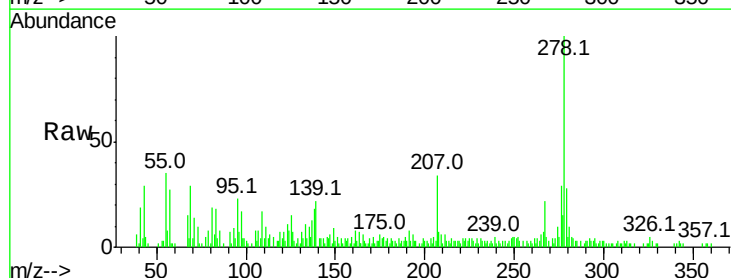
Tgt Ion:278 Resp: 34407

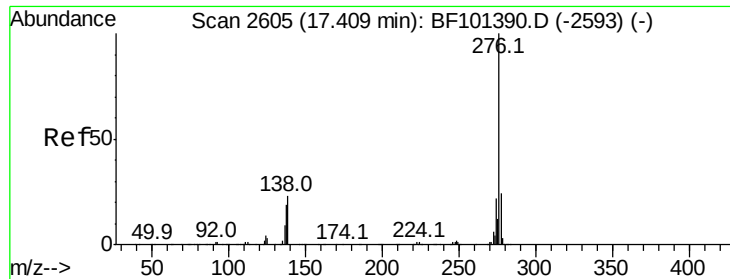
Ion Ratio Lower Upper

278 100

139 22.5 15.9 23.9

279 27.7 19.0 28.4

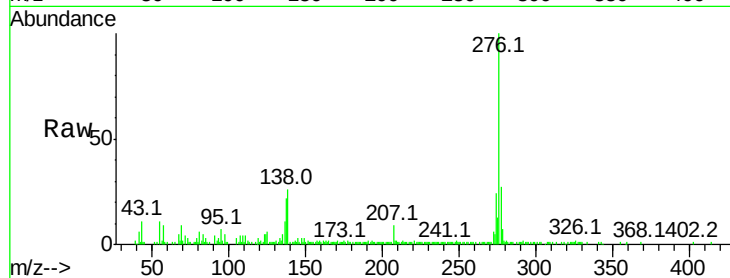




#91
 Benzo(a,h,i)perylene
 Concen: 9.668 ng
 RT: 17.37 min Scan# 2599
 Delta R.T. 0.01 min
 Lab File: BF101819.D
 Acq: 29 Dec 2017 10:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.4	17.9	26.9#
138	26.1	21.8	32.8



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

