

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121619\
 Data File : BF118211.D
 Acq On : 16 Dec 2019 22:07
 Operator : JU
 Sample : K6118-09
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-121319

Quant Time: Dec 17 04:01:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 17:34:43 2019
 Response via : Initial Calibration

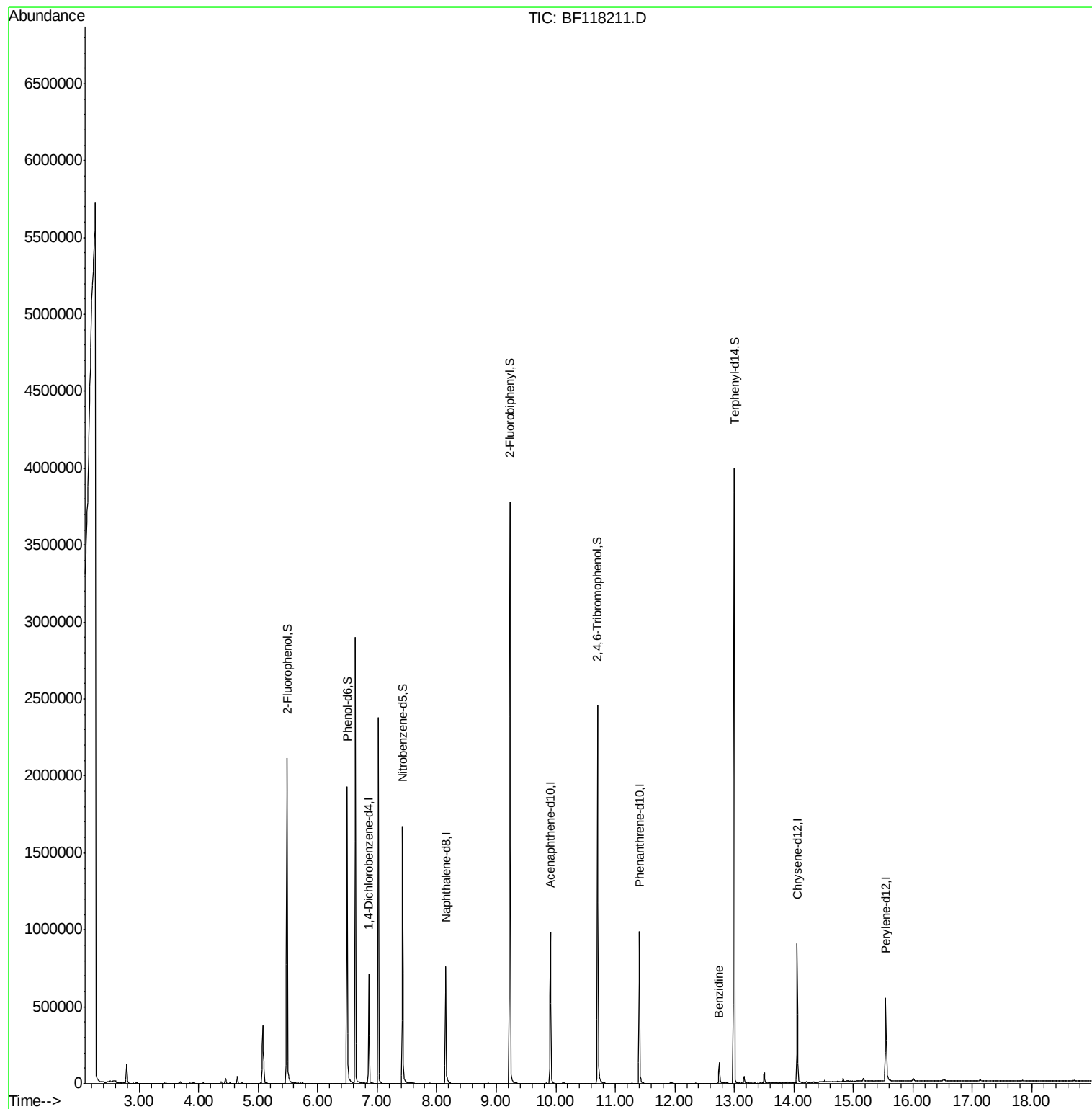
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	96534	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	374880	20.00	ng	0.00
39) Acenaphthene-d10	9.91	164	200982	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	385796	20.00	ng	0.00
76) Chrysene-d12	14.06	240	303436	20.00	ng	-0.01
87) Perylene-d12	15.54	264	288750	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	635303	115.27	ng	0.00
7) Phenol-d6	6.49	99	708607	106.29	ng	0.00
23) Nitrobenzene-d5	7.43	82	517990	77.73	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	309943	126.94	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	1075352	81.42	ng	-0.01
79) Terphenyl-d14	13.00	244	1473124	83.48	ng	0.00
Target Compounds						
77) Benzidine	12.74	184	66820	8.365	ng	Qvalue 99

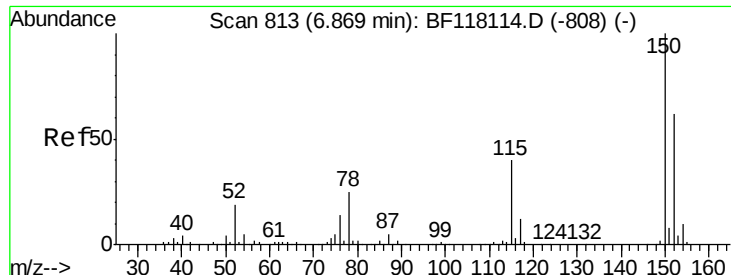
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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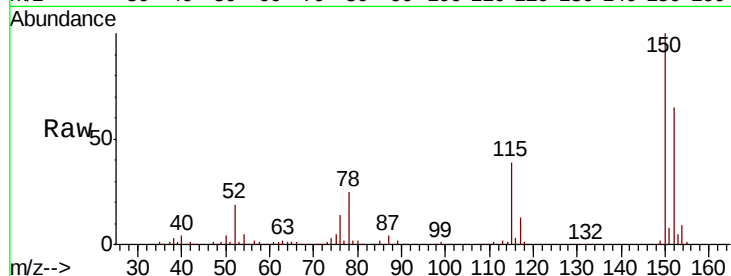


#1

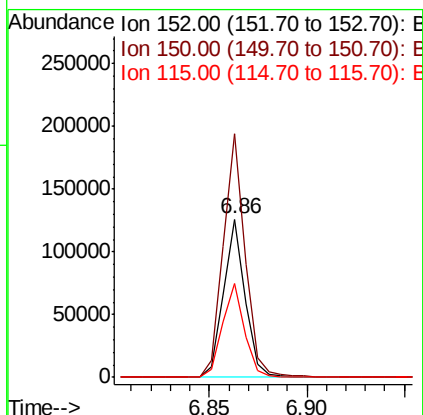
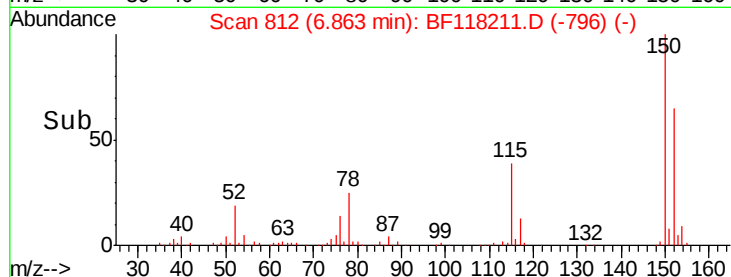
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF118211.D
 Acq: 16 Dec 2019 22:07

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-121319

Tot Ion:152 Resp: 96534
 Ion Ratio Lower Upper
 152 100
 150 154.1 128.3 192.5
 115 59.3 51.1 76.7



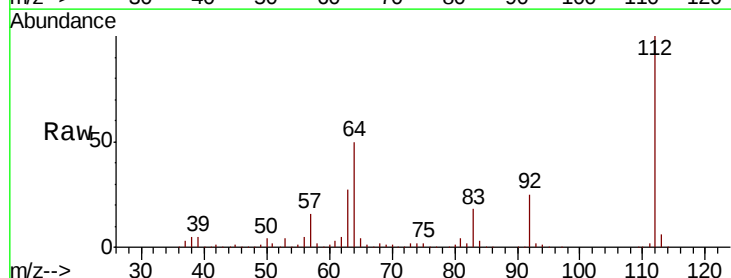
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



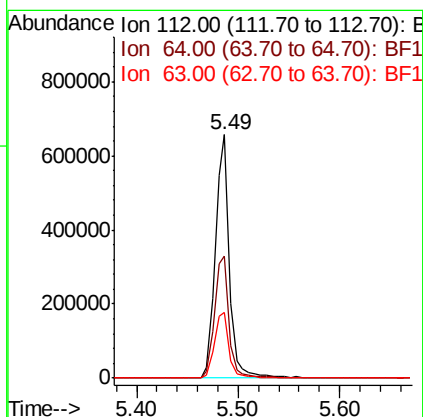
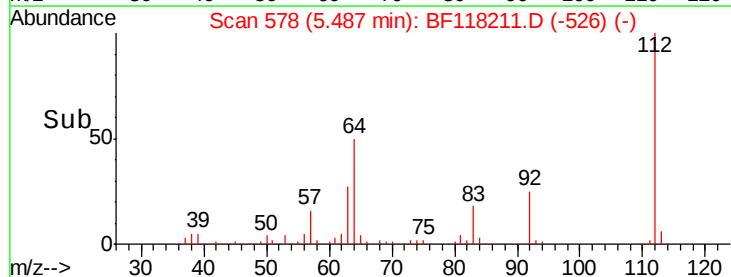
#5

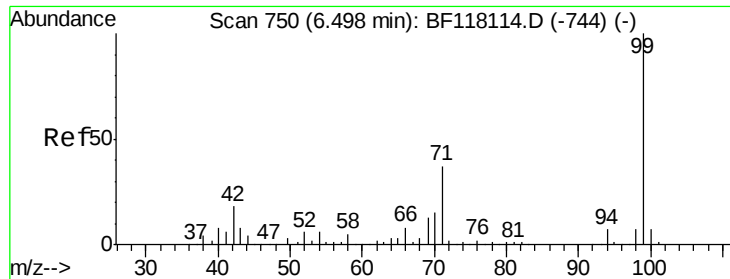
2-Fluorophenol
 Concen: 115.266 ng
 RT: 5.49 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: BF118211.D
 Acq: 16 Dec 2019 22:07

Tgt Ion:112 Resp: 635303
 Ion Ratio Lower Upper
 112 100
 64 50.1 41.3 61.9
 63 27.2 22.4 33.6



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: 106.294 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF118211.D

Acq: 16 Dec 2019 22:07

Instrument :

BNA_F

ClientSampleId :

SU-03-121319

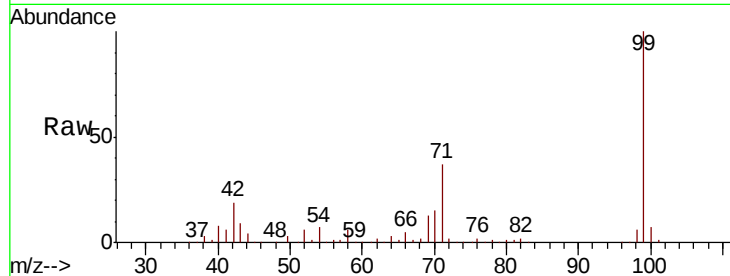
Tot Ion: 99 Resp: 708607

Ion Ratio Lower Upper

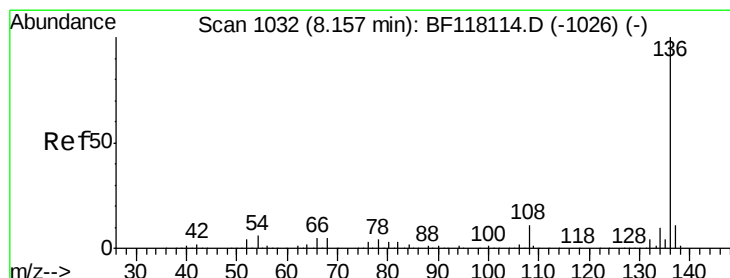
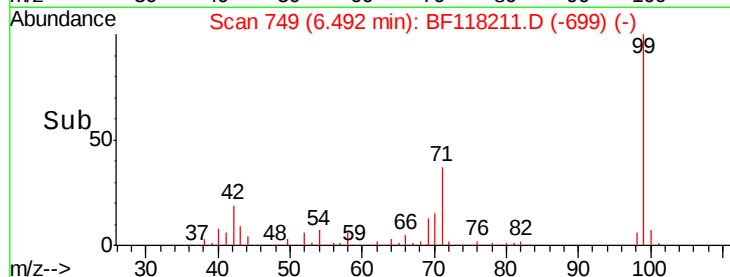
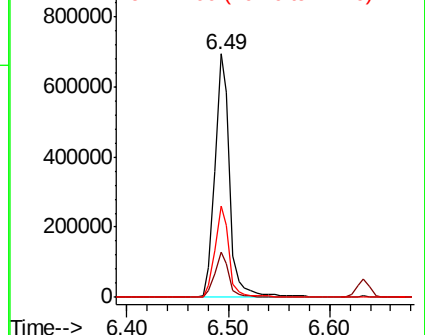
99 100

42 18.6 14.1 21.1

71 37.4 29.7 44.5



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF118211.D

Acq: 16 Dec 2019 22:07

Tgt Ion: 136 Resp: 374880

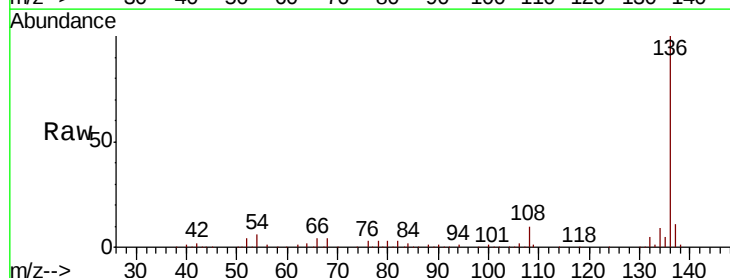
Ion Ratio Lower Upper

136 100

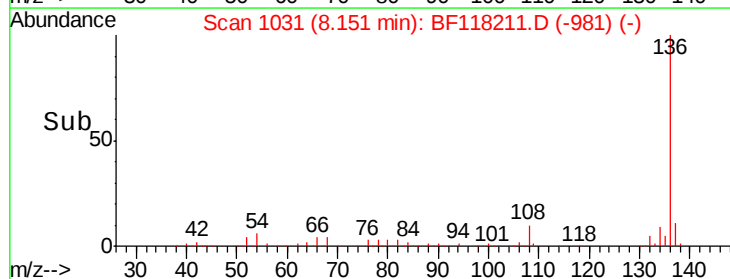
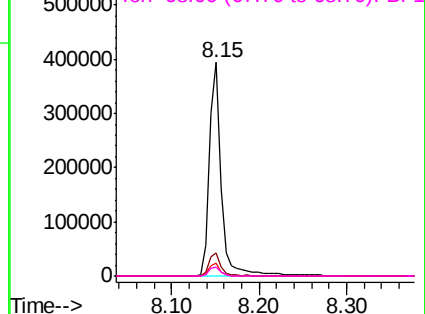
137 10.8 9.0 13.6

54 5.8 5.0 7.6

68 4.4 3.8 5.8



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): BF1
Ion 68.00 (67.70 to 68.70): BF1

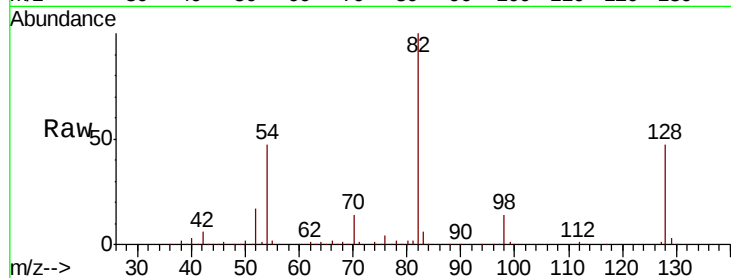




#23
Nitrobenzene-d5
Concen: 77.734 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF118211.D
Acq: 16 Dec 2019 22:07

Instrument :
BNA_F
ClientSampleId :
SU-03-121319

Tot Ion	82	Resp	517990
Ion Ratio	100		
Lower	39.1		
Upper	58.7		
128	47.3		
54	46.9		
	38.2		
	57.2		

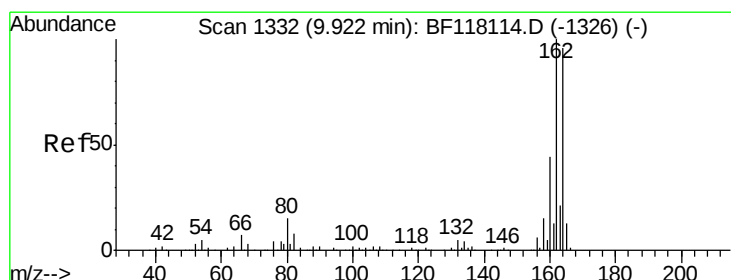
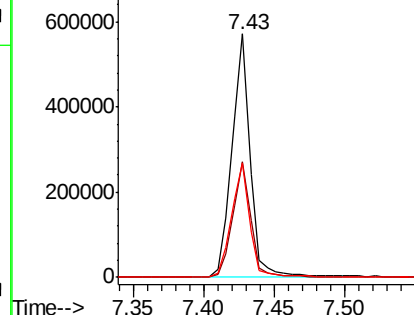
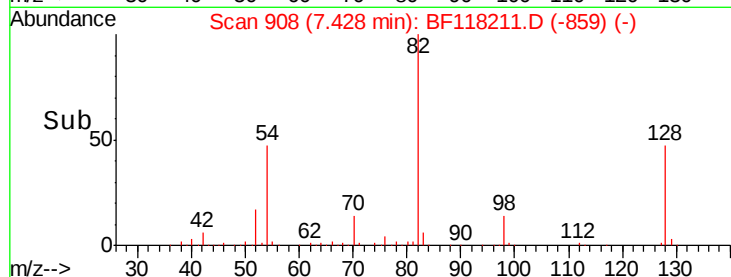


Abundance

Ion 82.00 (81.70 to 82.70): BF1

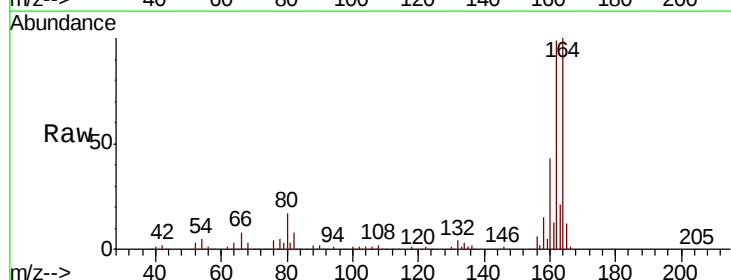
Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF118211.D
Acq: 16 Dec 2019 22:07

Tgt Ion	164	Resp	200982
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower	83.4		
Upper	125.0		
162	99.4		
160	43.4		
	36.6		
	54.8		

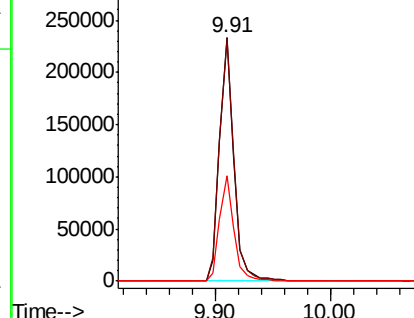
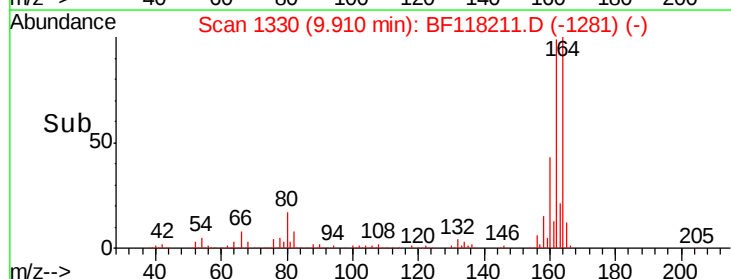


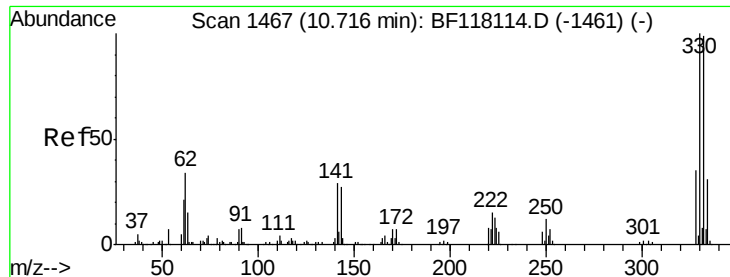
Abundance

Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





#42

2,4,6-Tribromophenol

Concen: 126.944 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BF118211.D

Acq: 16 Dec 2019 22:07

Instrument :

BNA_F

ClientSampleId :

SU-03-121319

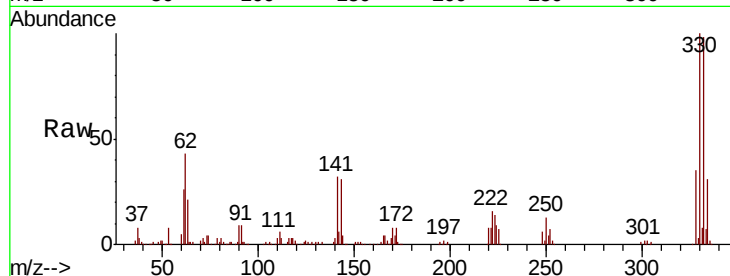
Tot Ion:330 Resp: 309943

Ion Ratio Lower Upper

330 100

332 97.8 78.1 117.1

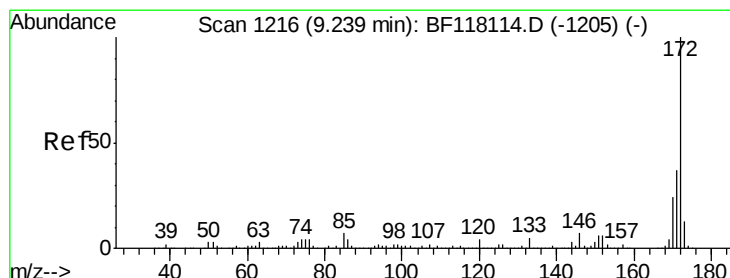
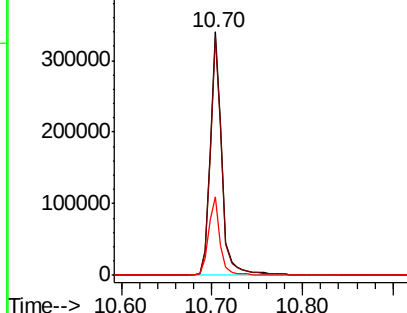
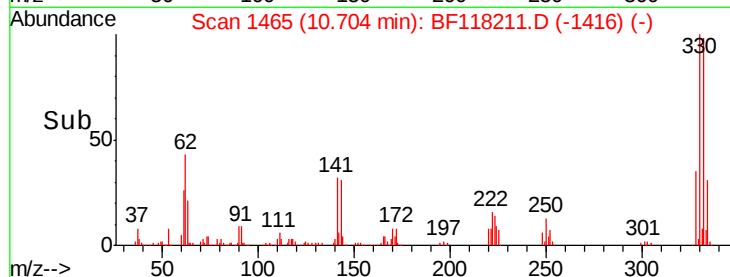
141 32.3 26.9 40.3



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



#45

2-Fluorobiphenyl

Concen: 81.415 ng

RT: 9.23 min Scan# 1214

Delta R.T. -0.01 min

Lab File: BF118211.D

Acq: 16 Dec 2019 22:07

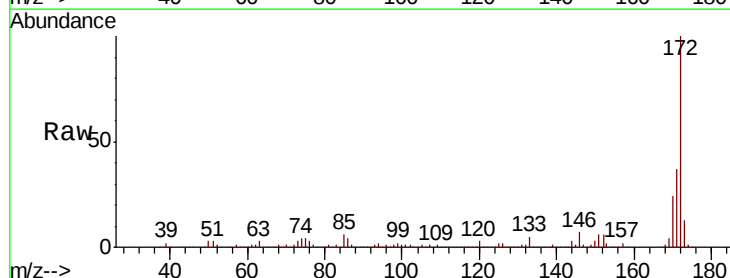
Tgt Ion:172 Resp: 1075352

Ion Ratio Lower Upper

172 100

171 36.9 29.2 43.8

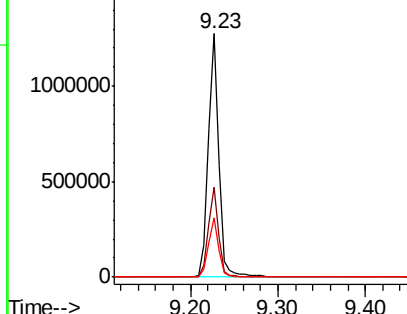
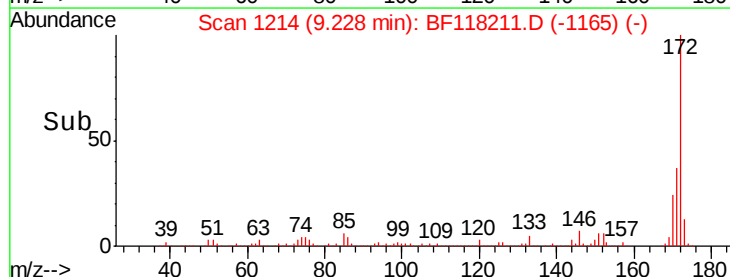
170 24.2 19.4 29.2

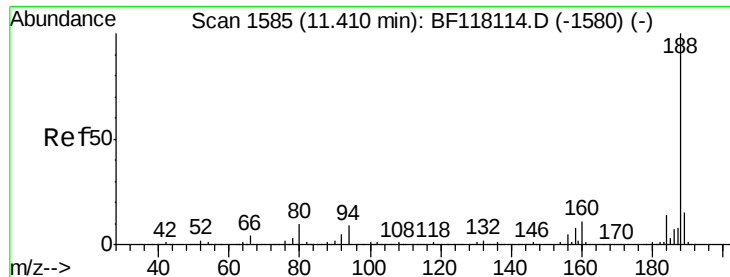


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

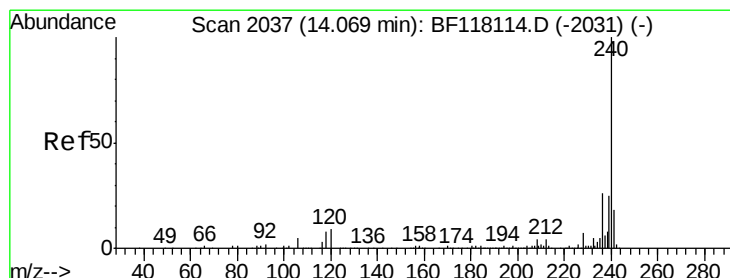
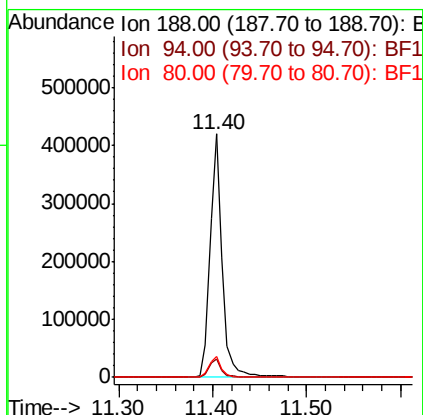
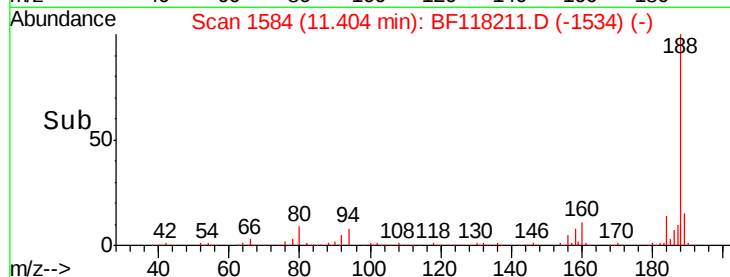
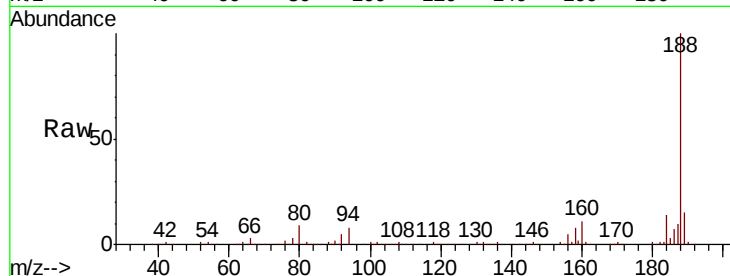




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF118211.D
Acq: 16 Dec 2019 22:07

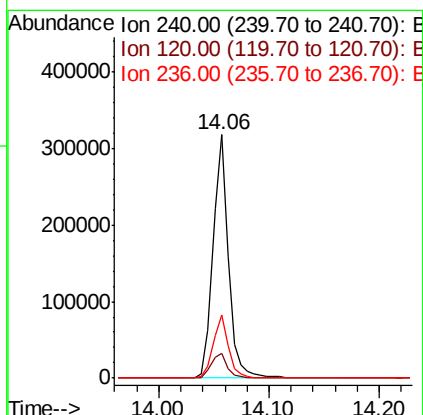
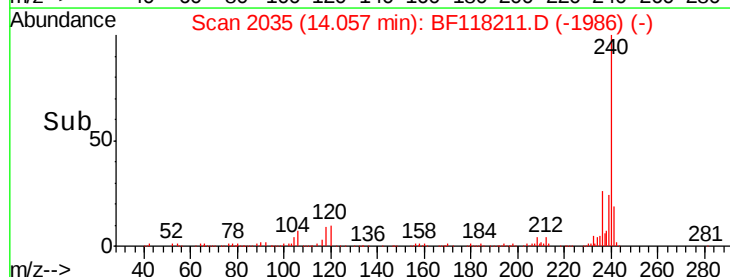
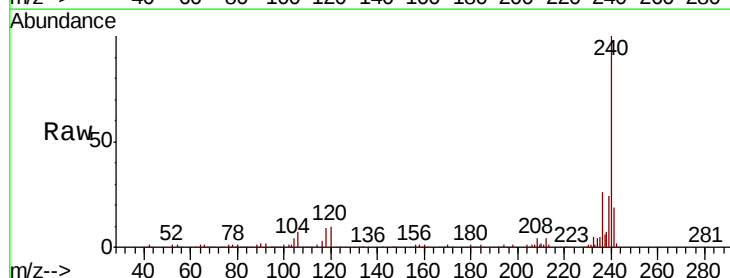
Instrument :
BNA_F
ClientSampled :
SU-03-121319

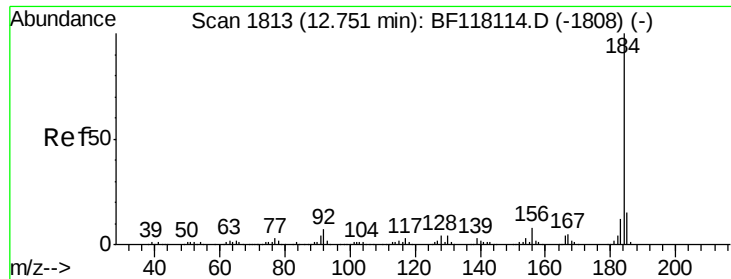
Tot Ion:188 Resp: 385796
Ion Ratio Lower Upper
188 100
94 7.7 7.1 10.7
80 8.5 7.9 11.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF118211.D
Acq: 16 Dec 2019 22:07

Tgt Ion:240 Resp: 303436
Ion Ratio Lower Upper
240 100
120 10.3 7.1 10.7
236 26.0 21.0 31.6





#77

Benzidine

Concen: 8.365 ng

RT: 12.74 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF118211.D

Acq: 16 Dec 2019 22:07

Instrument :

BNA_F

ClientSampleId :

SU-03-121319

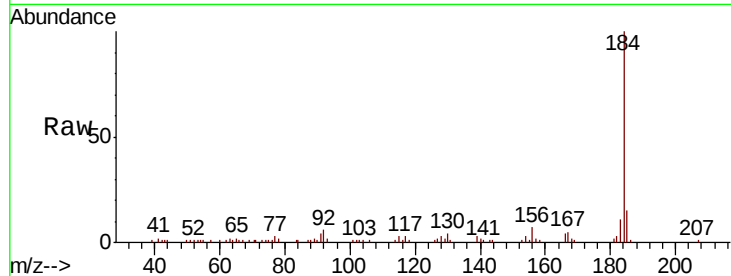
Tot Ion:184 Resp: 66820

Ion Ratio Lower Upper

184 100

185 15.4 12.3 18.5

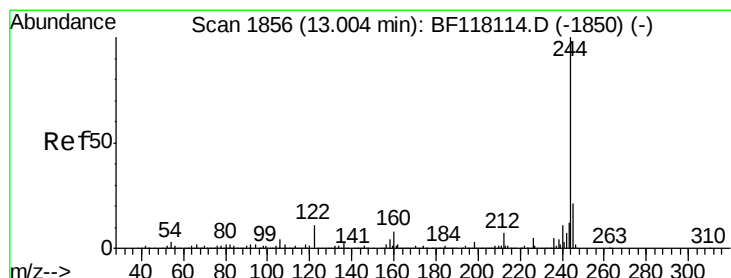
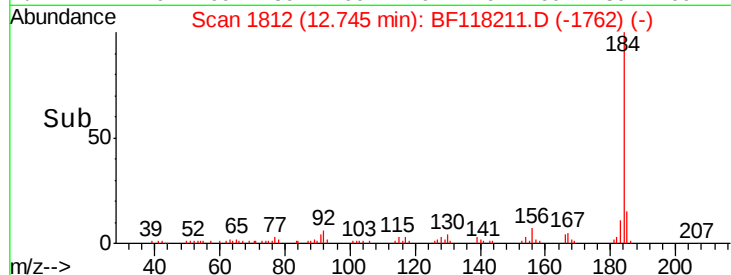
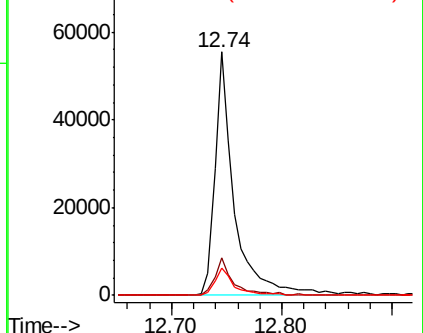
183 11.2 9.9 14.9



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 83.485 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF118211.D

Acq: 16 Dec 2019 22:07

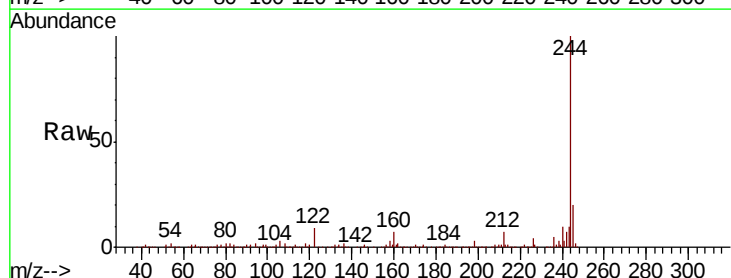
Tgt Ion:244 Resp: 1473124

Ion Ratio Lower Upper

244 100

212 6.7 5.9 8.9

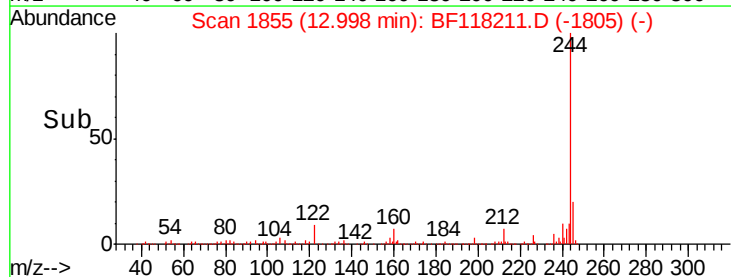
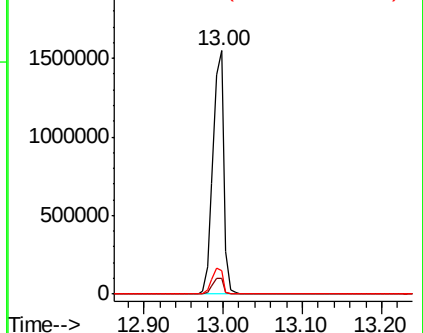
122 9.4 9.0 13.6

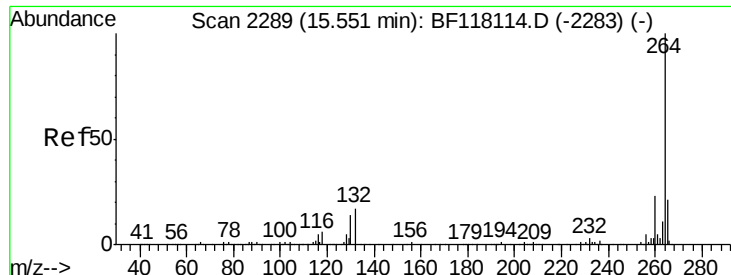


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2288
 Delta R.T. -0.01 min
 Lab File: BF118211.D
 Acq: 16 Dec 2019 22:07

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-121319

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	28.0
265	21.4	16.8	25.2

