

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120919\
 Data File : BF118150.D
 Acq On : 9 Dec 2019 17:57
 Operator : JU
 Sample : K6187-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 10 00:55:02 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

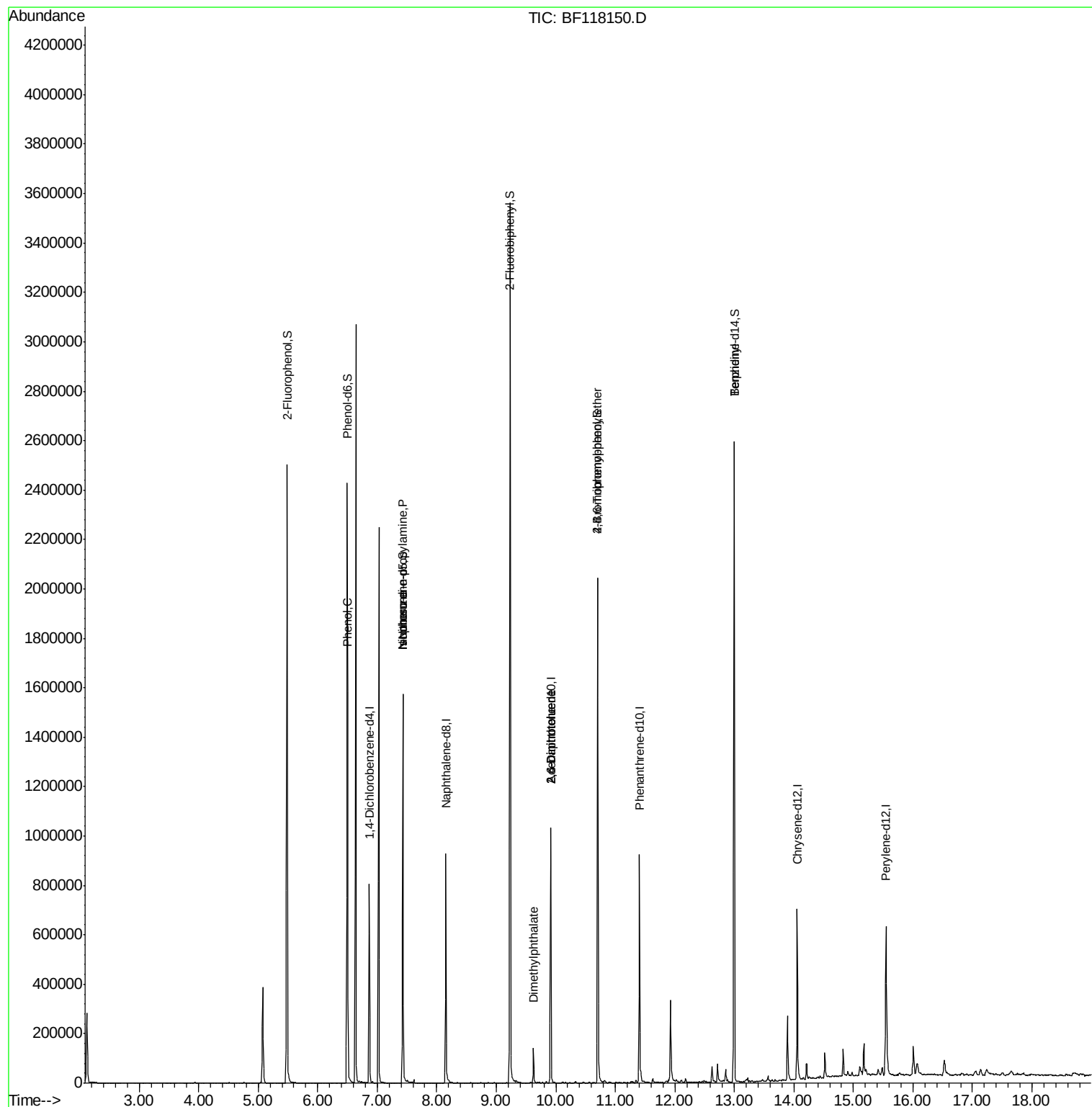
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	113512	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	430757	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	216033	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	355868	20.00	ng	0.00
76) Chrysene-d12	14.06	240	213968	20.00	ng	-0.01
87) Perylene-d12	15.55	264	281893	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	692458	106.84	ng	0.00
7) Phenol-d6	6.50	99	871562	111.18	ng	0.00
23) Nitrobenzene-d5	7.43	82	528150	68.98	ng	0.00
42) 2,4,6-Tribromophenol	10.71	330	258472	98.49	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	1059877	74.65	ng	0.00
79) Terphenyl-d14	13.00	244	886518	71.25	ng	0.00
Target Compounds						
9) Benzaldehyde	6.50	77	1648	Below Cal		Qvalue
10) Phenol	6.51	94	49401	5.526 ng	#	1
19) n-Nitroso-di-n-propylamine	7.43	70	71207	14.949 ng	#	99
25) Isophorone	7.43	82	528147	40.689 ng	#	78
50) Dimethylphthalate	9.63	163	65229	4.088 ng	#	62
51) 2,6-Dinitrotoluene	9.92	165	28552	8.229 ng	#	100
57) 2,4-Dinitrotoluene	9.92	165	28552	6.165 ng	#	27
67) 4-Bromophenyl-phenylether	10.70	248	15436	3.800 ng	#	25
77) Benzidine	13.00	184	11870	2.107 ng	#	1
					#	91

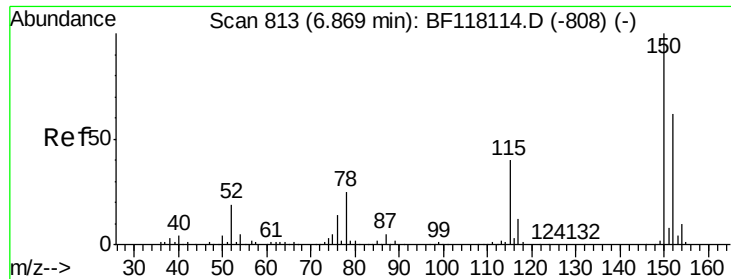
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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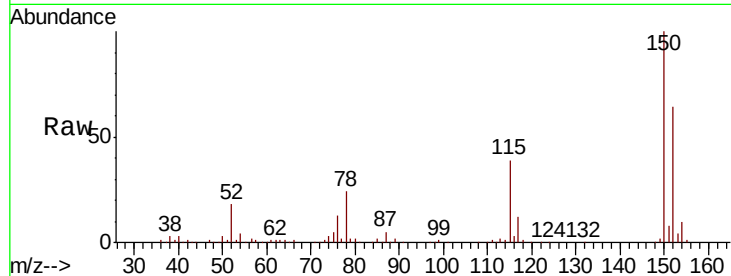


#1

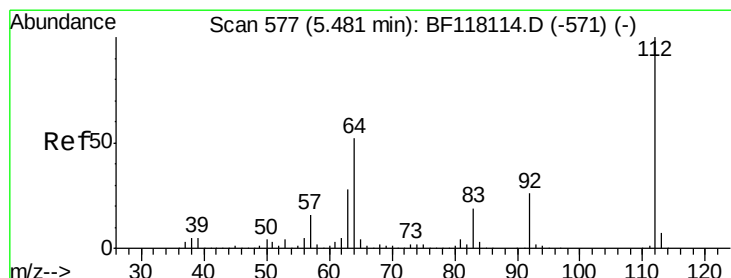
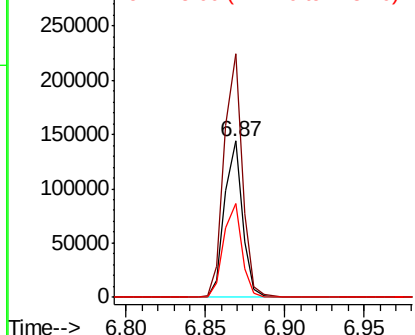
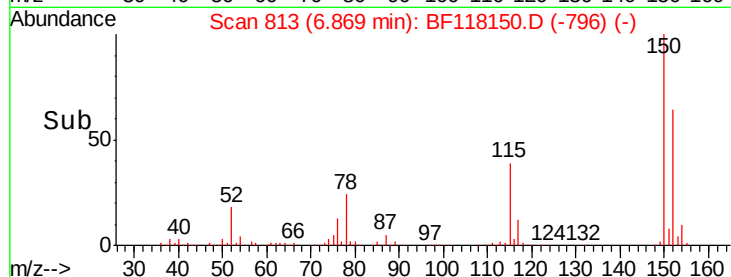
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF118150.D
Acq: 9 Dec 2019 17:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 113512
Ion Ratio Lower Upper
152 100
150 155.6 128.3 192.5
115 60.4 51.1 76.7



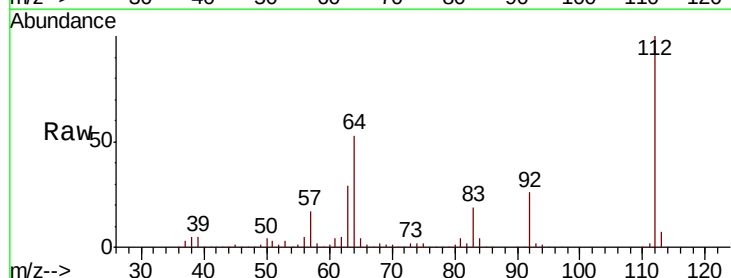
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



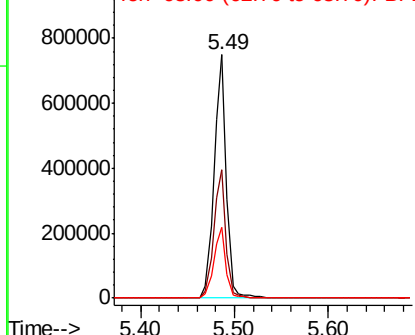
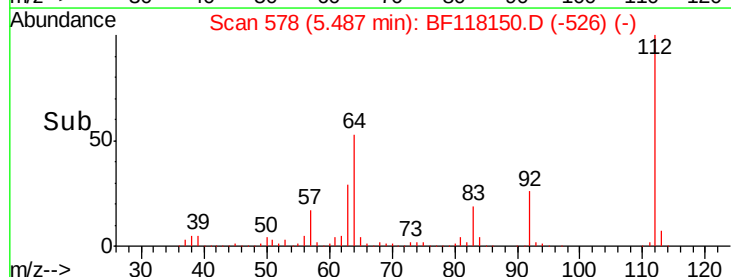
#5

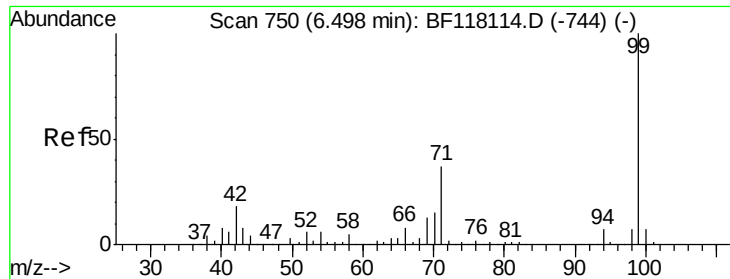
2-Fluorophenol
Concen: 106.845 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF118150.D
Acq: 9 Dec 2019 17:57

Tgt Ion:112 Resp: 692458
Ion Ratio Lower Upper
112 100
64 52.9 41.3 61.9
63 29.0 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: 111.184 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: BF118150.D

Acq: 9 Dec 2019 17:57

Instrument :

BNA_F

ClientSampled :

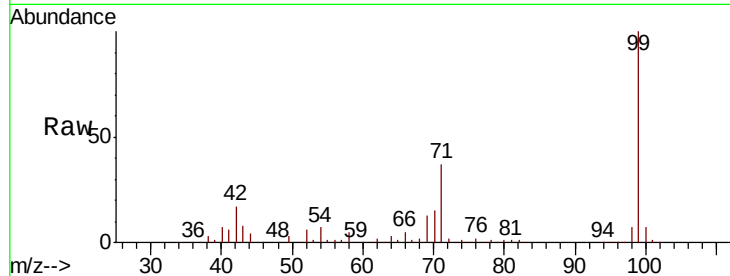
Tot Ion: 99 Resp: 871562

Ion Ratio Lower Upper

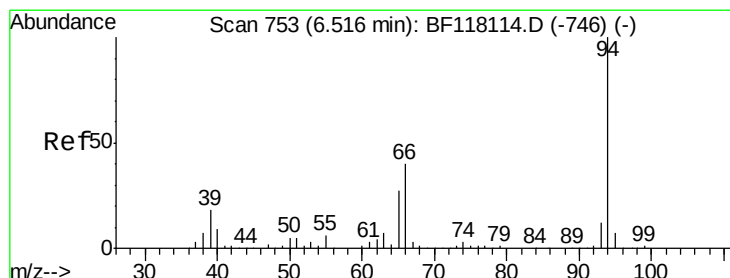
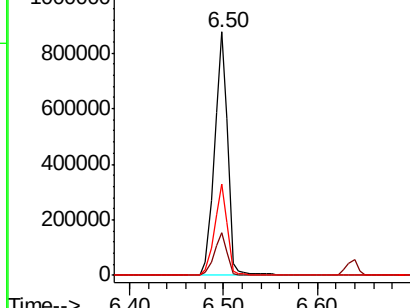
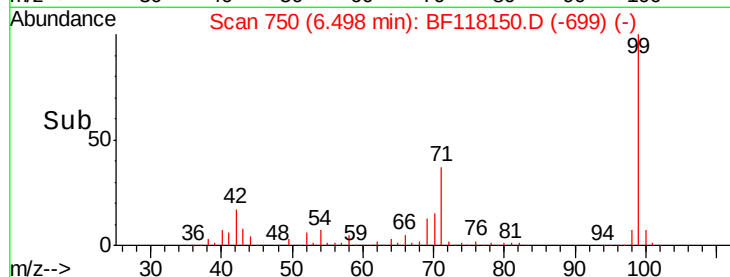
99 100

42 17.5 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



#10

Phenol

Concen: 5.526 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF118150.D

Acq: 9 Dec 2019 17:57

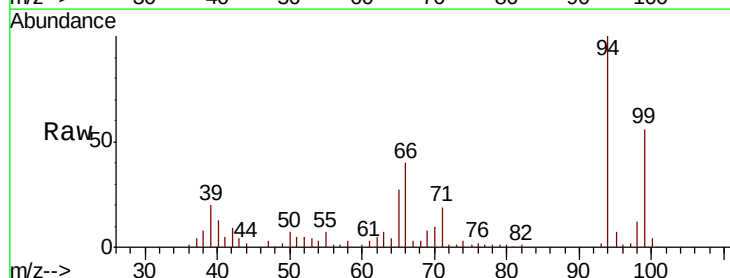
Tgt Ion: 94 Resp: 49401

Ion Ratio Lower Upper

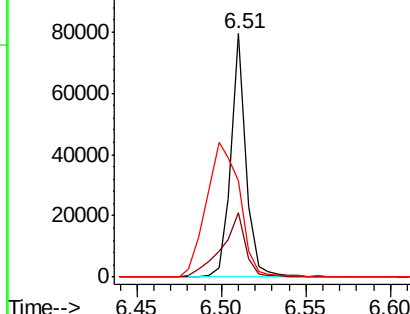
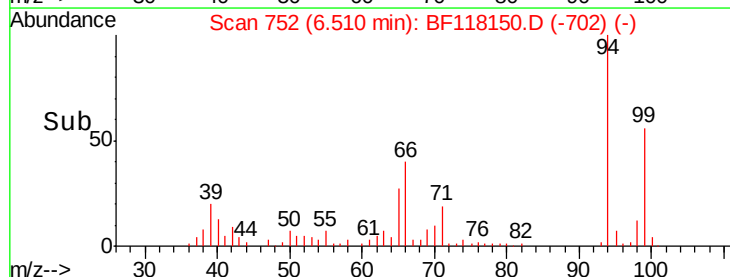
94 100

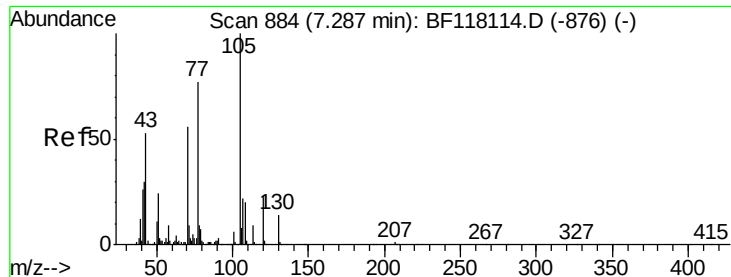
65 26.6 7.3 47.3

66 39.5 20.2 60.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

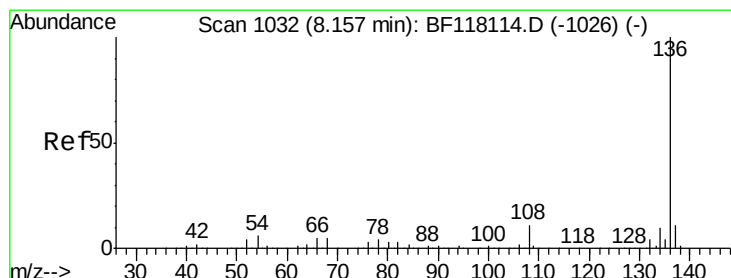
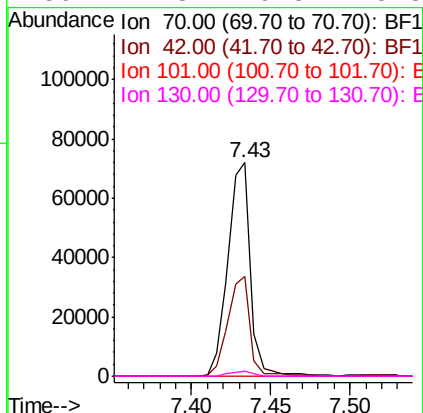
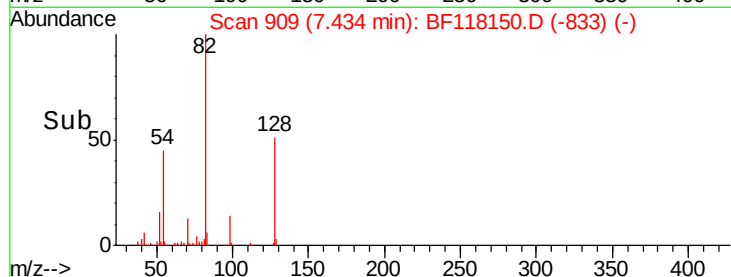
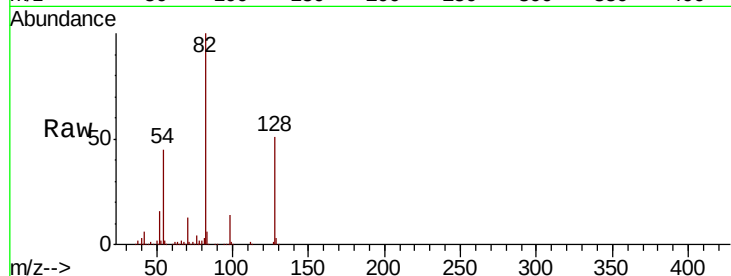




#19
n-Nitroso-di-n-propylamine
Concen: 14.949 ng
RT: 7.43 min Scan# 909
Delta R.T. 0.15 min
Lab File: BF118150.D
Acq: 9 Dec 2019 17:57

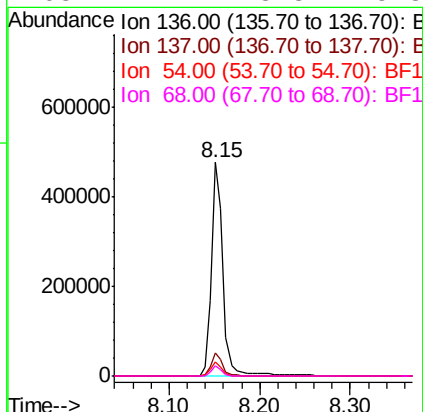
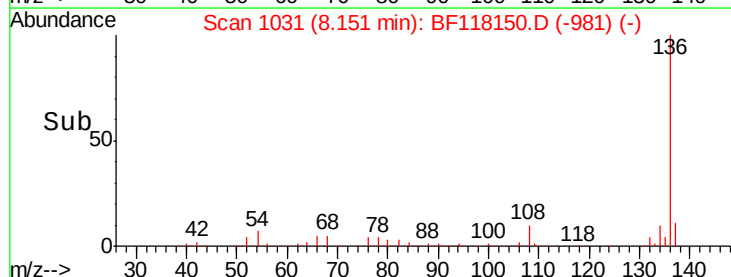
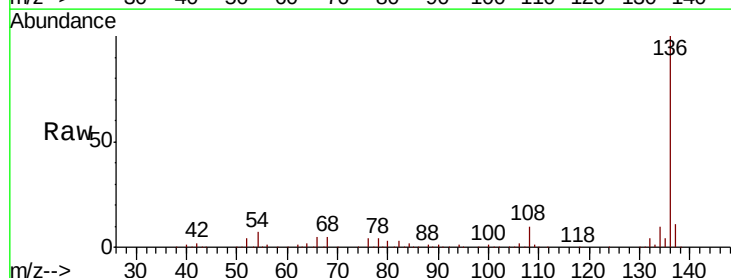
Instrument :
BNA_F
ClientSampleId :

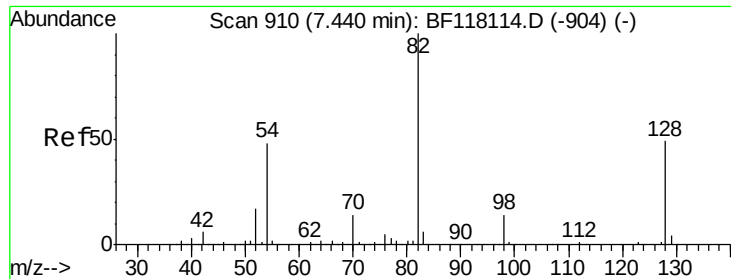
Tot Ion: 70 Resp: 71207
Ion Ratio Lower Upper
70 100
42 46.6 43.2 64.8
101 0.0 8.1 12.1#
130 2.3 19.8 29.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF118150.D
Acq: 9 Dec 2019 17:57

Tgt Ion: 136 Resp: 430757
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.6
54 6.7 5.0 7.6
68 4.7 3.8 5.8

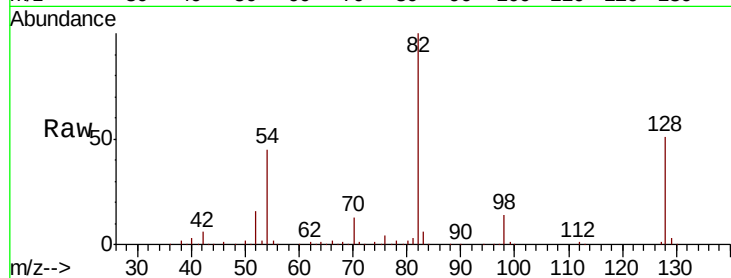




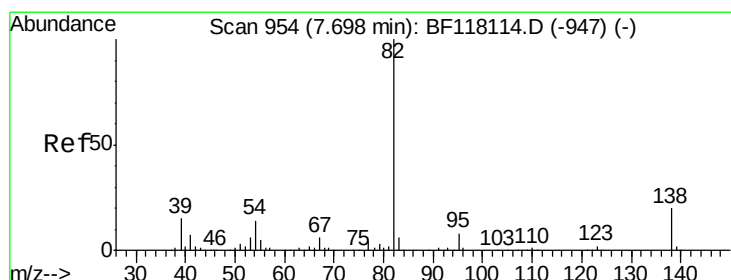
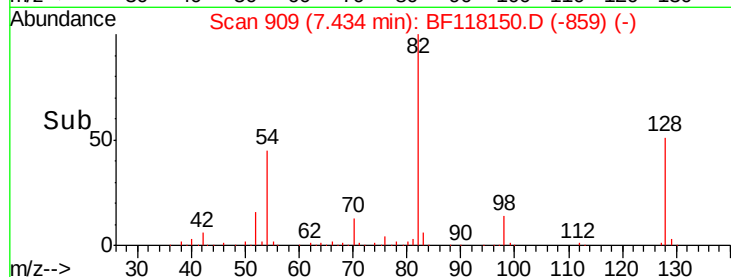
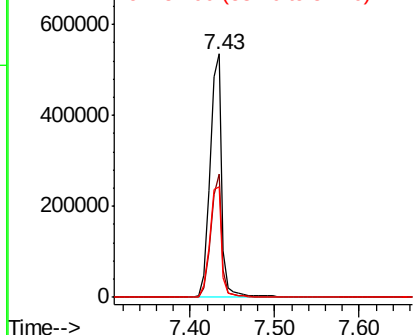
#23
Nitrobenzene-d5
Concen: 68.978 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF118150.D
Acq: 9 Dec 2019 17:57

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 528150
Ion Ratio Lower Upper
82 100
128 50.6 39.1 58.7
54 45.4 38.2 57.2

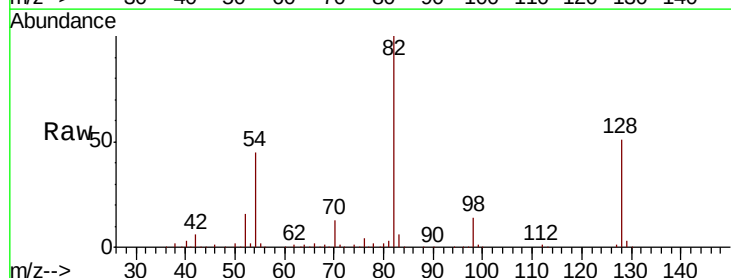


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

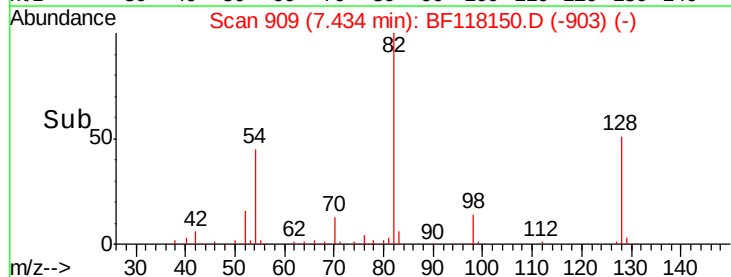
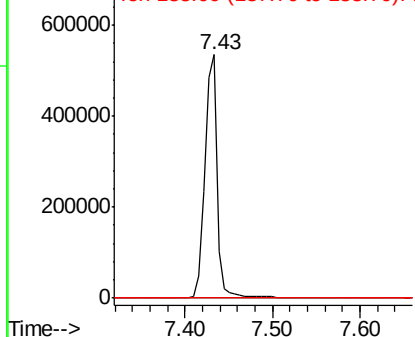


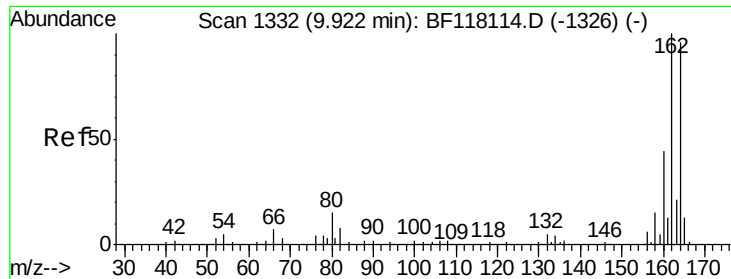
#25
Isophorone
Concen: 40.689 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.26 min
Lab File: BF118150.D
Acq: 9 Dec 2019 17:57

Tgt Ion: 82 Resp: 528147
Ion Ratio Lower Upper
82 100
95 0.0 6.3 9.5#
138 0.0 16.3 24.5#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

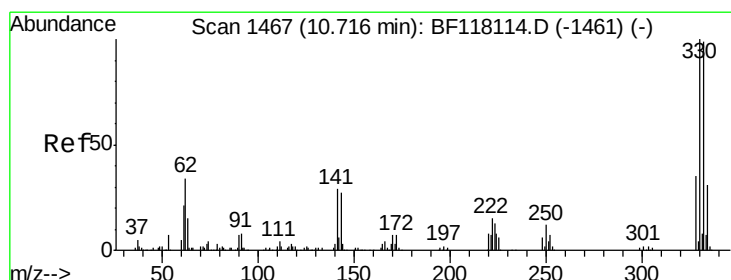
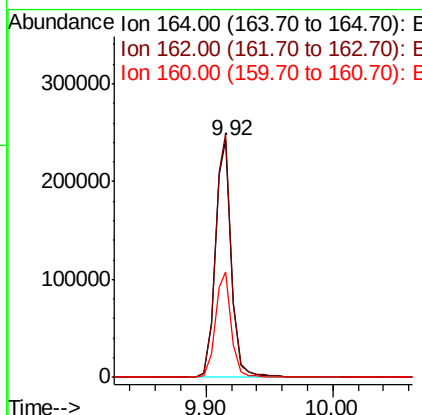
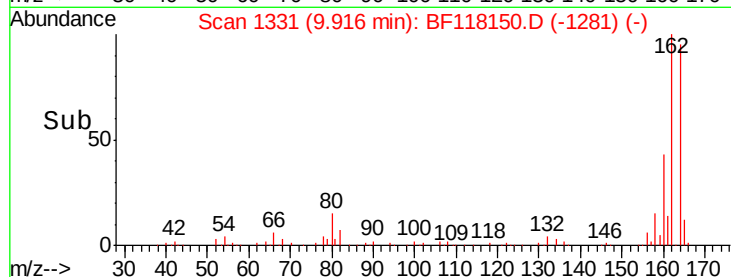
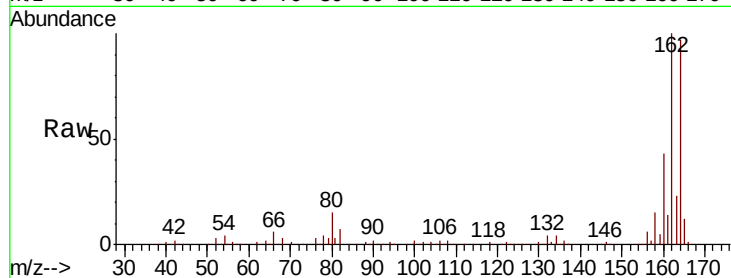




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF118150.D
Acq: 9 Dec 2019 17:57

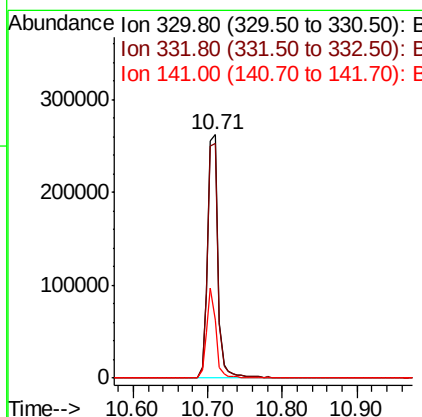
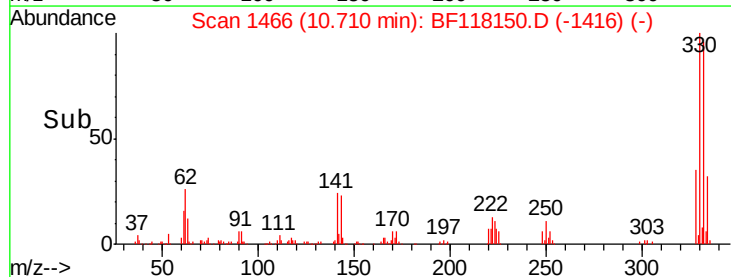
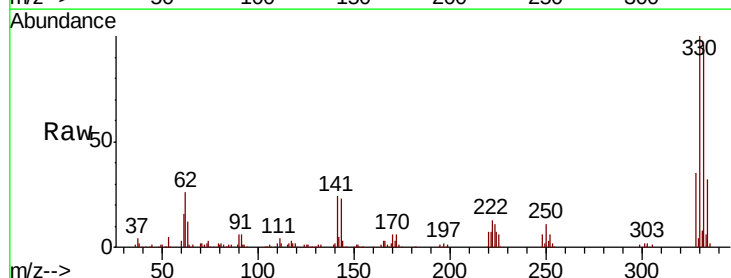
Instrument :
BNA_F
ClientSampleId :

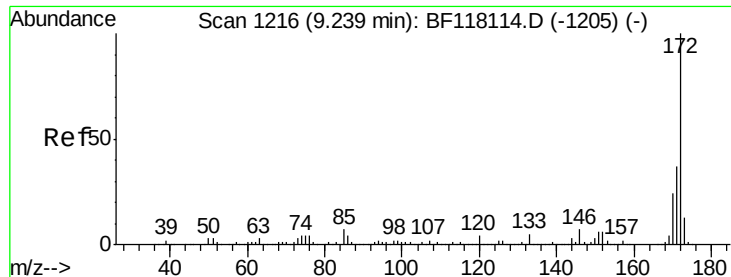
Tot Ion:164 Resp: 216033
Ion Ratio Lower Upper
164 100
162 102.7 83.4 125.0
160 44.7 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 98.488 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BF118150.D
Acq: 9 Dec 2019 17:57

Tgt Ion:330 Resp: 258472
Ion Ratio Lower Upper
330 100
332 96.9 78.1 117.1
141 33.1 26.9 40.3

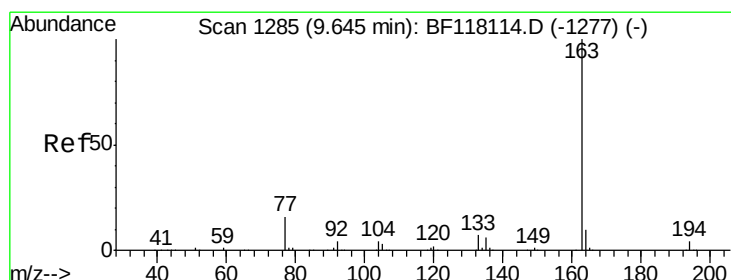
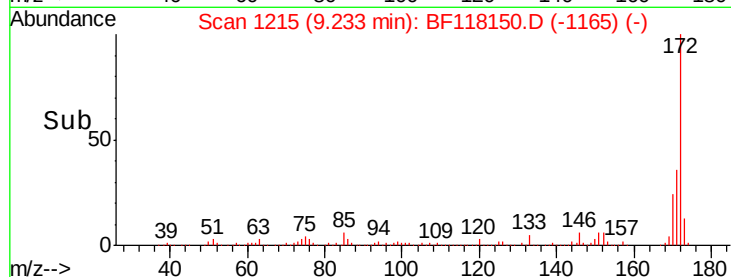
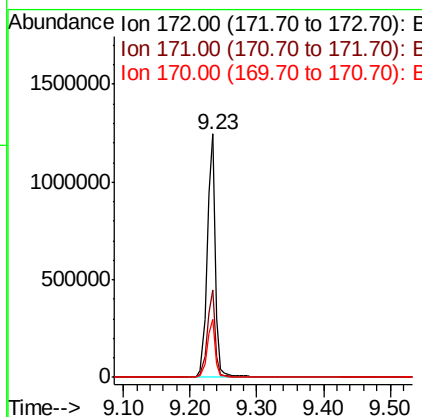
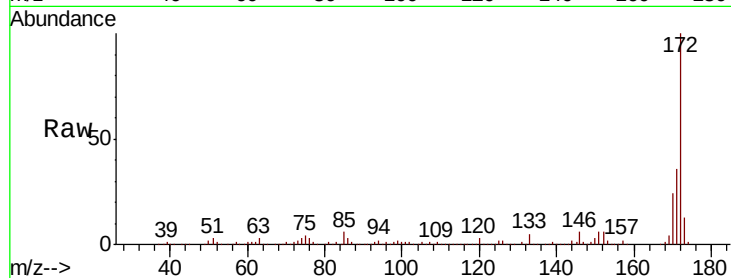




#45
2-Fluorobiphenyl
Concen: 74.653 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF118150.D
Acq: 9 Dec 2019 17:57

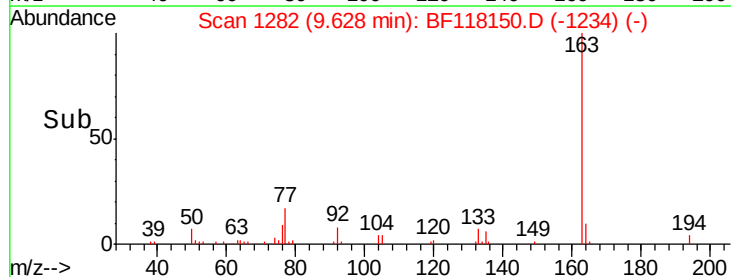
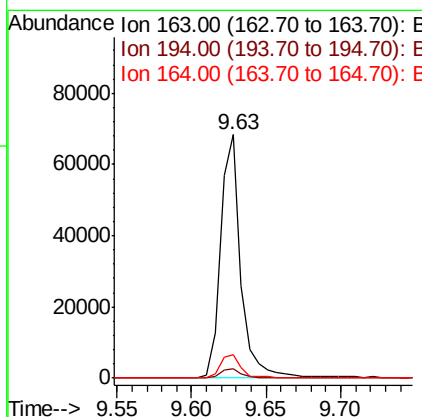
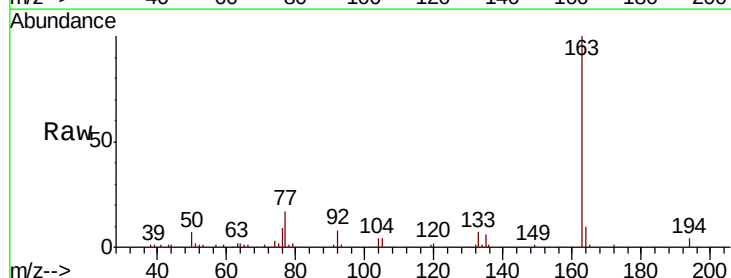
Instrument :
BNA_F
ClientSampleId :

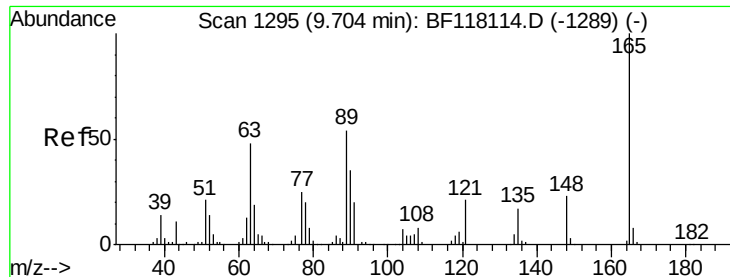
Tot Ion:172 Resp: 1059877
Ion Ratio Lower Upper
172 100
171 35.7 29.2 43.8
170 23.6 19.4 29.2



#50
Dimethylphthalate
Concen: 4.088 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF118150.D
Acq: 9 Dec 2019 17:57

Tgt Ion:163 Resp: 65229
Ion Ratio Lower Upper
163 100
194 4.1 3.1 4.7
164 9.8 7.7 11.5





#51

2,6-Dinitrotoluene

Concen: 8.229 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.21 min

Lab File: BF118150.D

Acq: 9 Dec 2019 17:57

Instrument :

BNA_F

ClientSampleId :

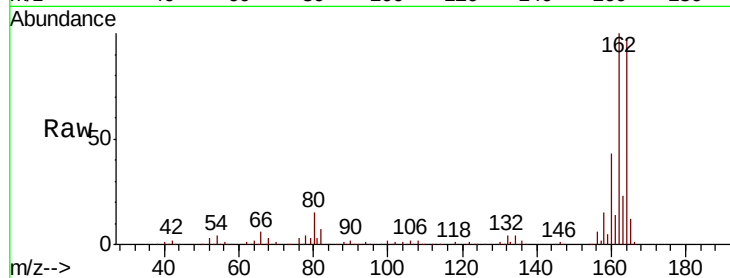
Tot Ion:165 Resp: 28552

Ion Ratio Lower Upper

165 100

63 0.0 41.4 62.0#

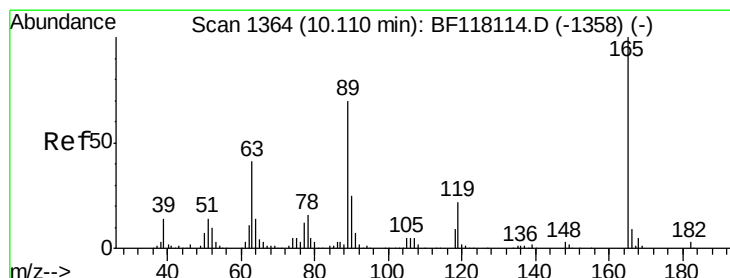
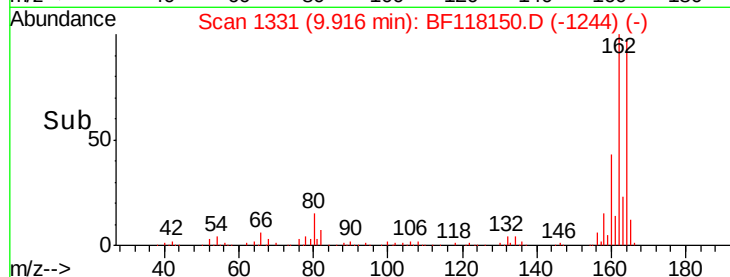
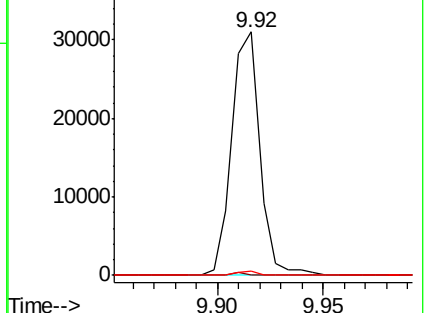
89 1.8 42.9 64.3#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#57

2,4-Dinitrotoluene

Concen: 6.165 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.19 min

Lab File: BF118150.D

Acq: 9 Dec 2019 17:57

Tgt Ion:165 Resp: 28552

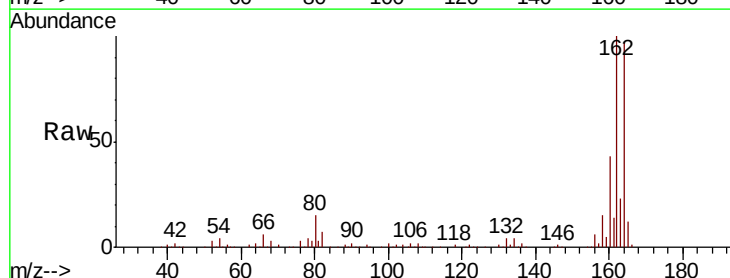
Ion Ratio Lower Upper

165 100

63 0.0 32.6 49.0#

89 1.8 56.1 84.1#

182 0.0 2.1 3.1#

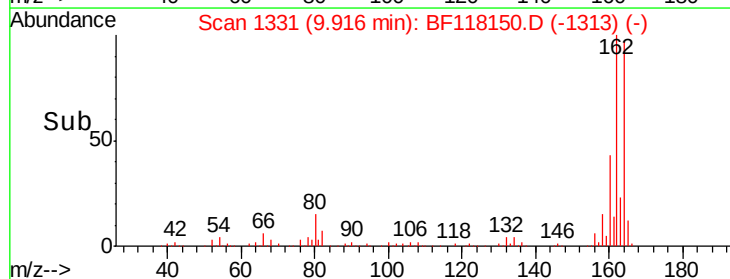
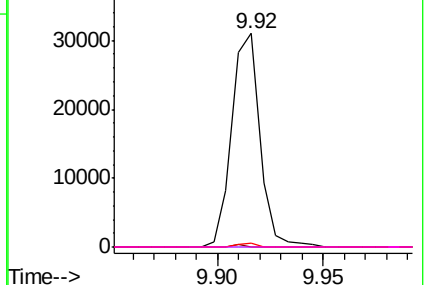


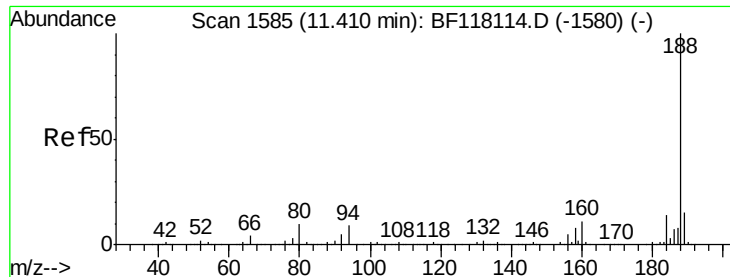
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

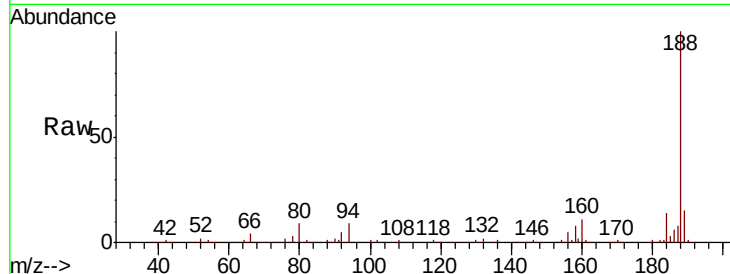




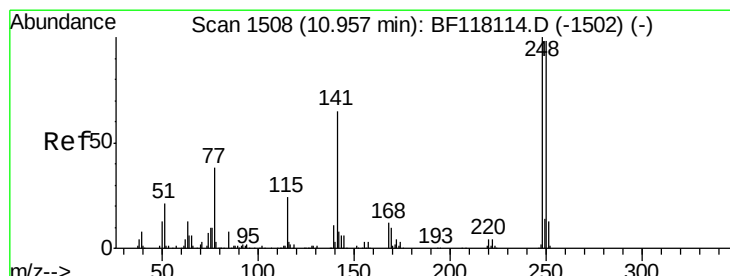
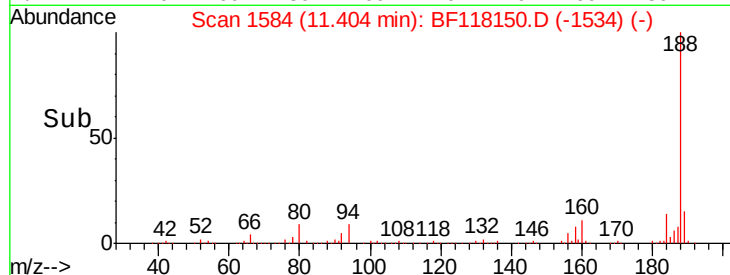
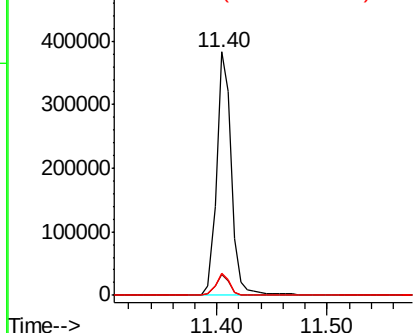
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF118150.D
 Acq: 9 Dec 2019 17:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 355868
 Ion Ratio Lower Upper
 188 100
 94 8.7 7.1 10.7
 80 9.3 7.9 11.9

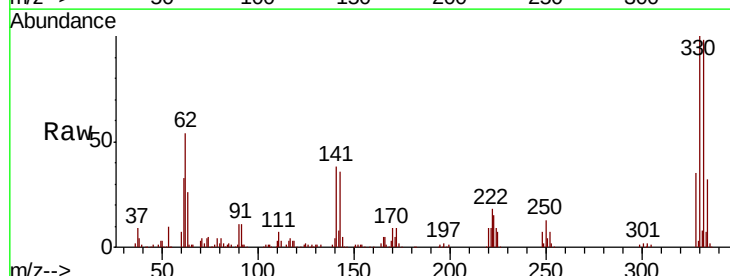


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

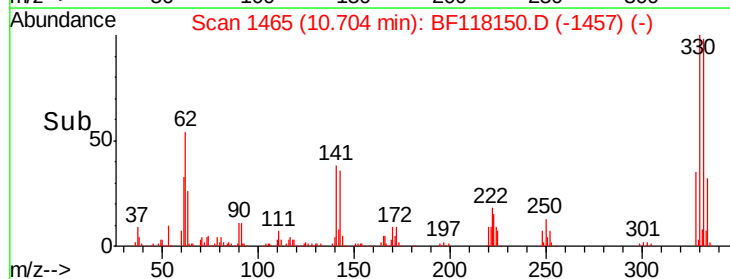
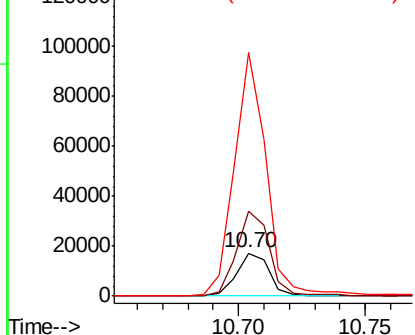


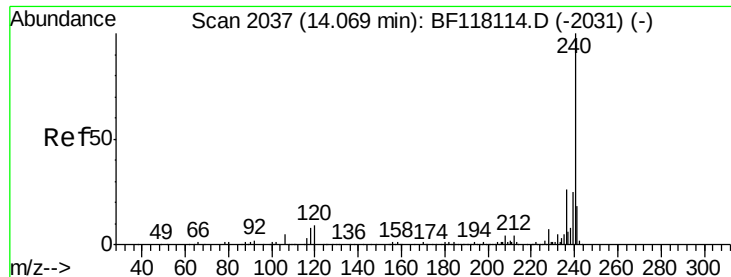
#67
 4-Bromophenyl-phenylether
 Concen: 3.800 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.25 min
 Lab File: BF118150.D
 Acq: 9 Dec 2019 17:57

Tgt Ion:248 Resp: 15436
 Ion Ratio Lower Upper
 248 100
 250 197.4 78.3 117.5#
 141 563.0 52.2 78.4#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

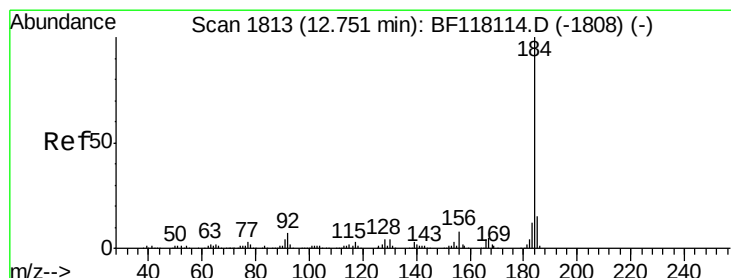
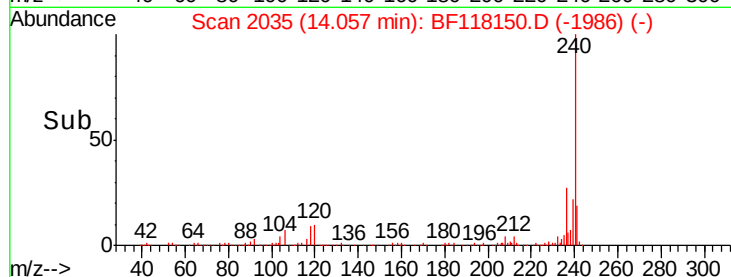
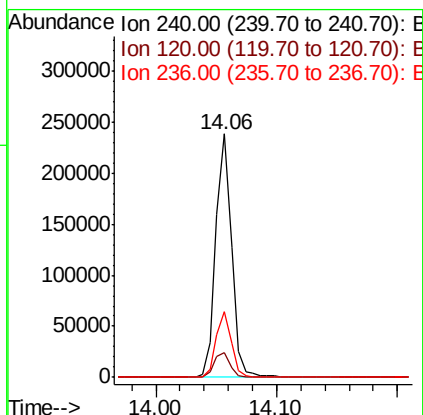
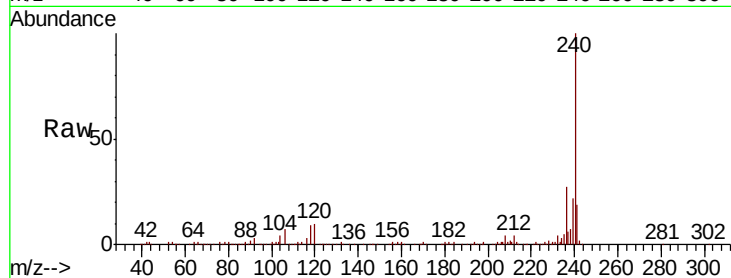




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: BF118150.D
 Acq: 9 Dec 2019 17:57

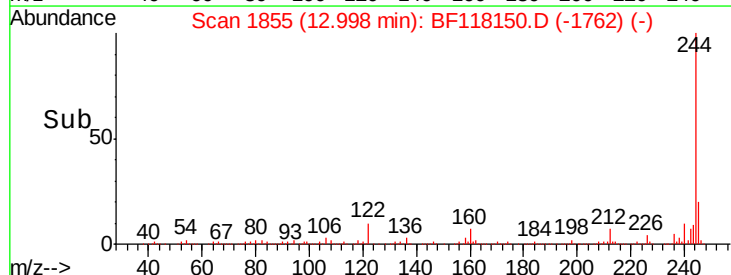
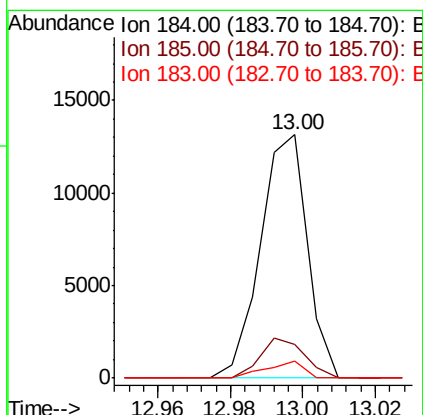
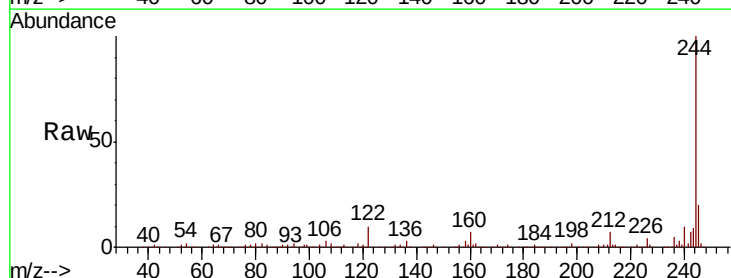
Instrument :
 BNA_F
 ClientSampleId :

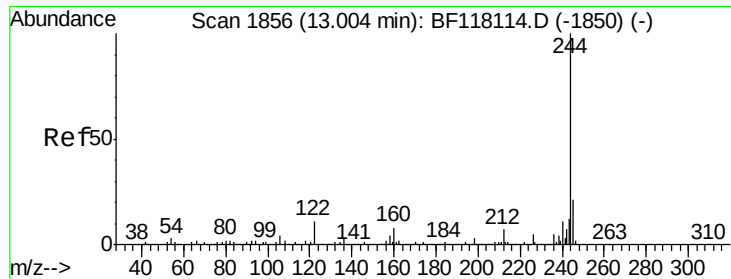
Tot Ion:240 Resp: 213968
 Ion Ratio Lower Upper
 240 100
 120 10.1 7.1 10.7
 236 26.8 21.0 31.6



#77
 Benzidine
 Concen: 2.107 ng
 RT: 13.00 min Scan# 1855
 Delta R.T. 0.25 min
 Lab File: BF118150.D
 Acq: 9 Dec 2019 17:57

Tgt Ion:184 Resp: 11870
 Ion Ratio Lower Upper
 184 100
 185 13.6 12.3 18.5
 183 6.9 9.9 14.9#





#79

Terphenyl-d14

Concen: 71.248 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF118150.D

Acq: 9 Dec 2019 17:57

Instrument :

BNA_F

ClientSampleId :

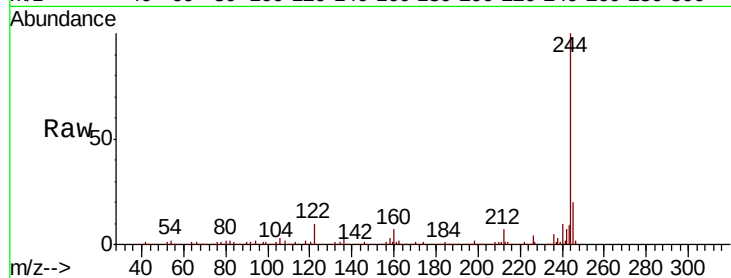
Tot Ion:244 Resp: 886518

Ion Ratio Lower Upper

244 100

212 6.7 5.9 8.9

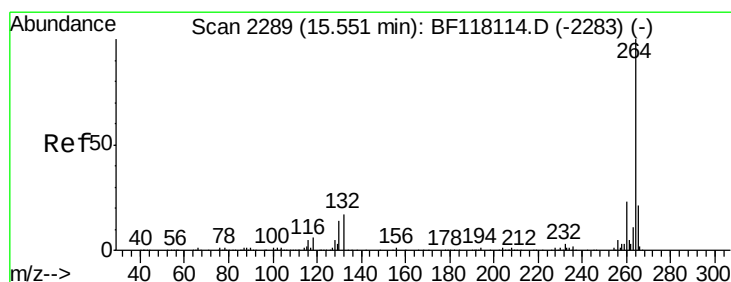
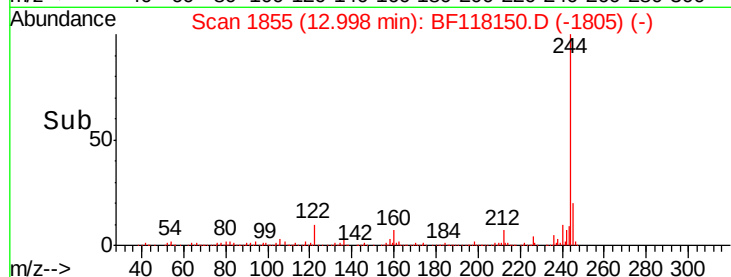
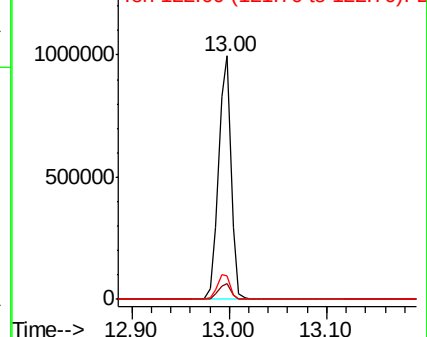
122 9.8 9.0 13.6



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

Perylene-d12

Concen: 20.000 ng

RT: 15.55 min Scan# 2289

Delta R.T. -0.00 min

Lab File: BF118150.D

Acq: 9 Dec 2019 17:57

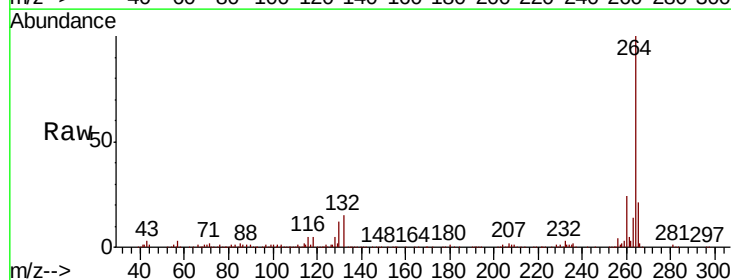
Tgt Ion:264 Resp: 281893

Ion Ratio Lower Upper

264 100

260 23.6 18.6 28.0

265 20.6 16.8 25.2



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

