

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121319\
 Data File : BF118196.D
 Acq On : 13 Dec 2019 19:55
 Operator : JU
 Sample : K6186-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 13 22:47:37 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

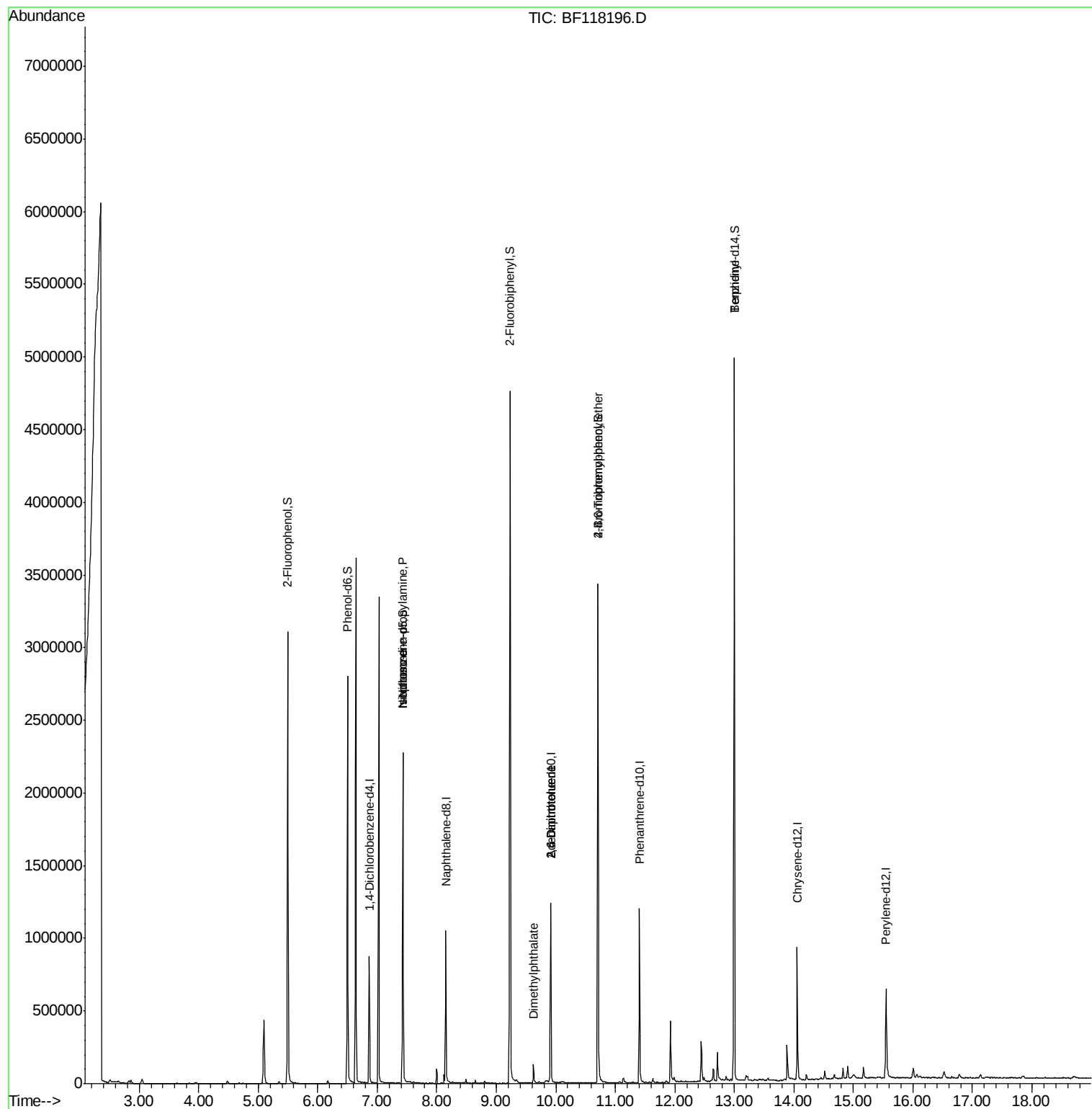
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	129787	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	498708	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	262898	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	491530	20.00	ng	0.00
76) Chrysene-d12	14.06	240	311511	20.00	ng	-0.01
87) Perylene-d12	15.55	264	303644	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	888289	119.87	ng	0.02
7) Phenol-d6	6.50	99	959577	107.06	ng	0.00
23) Nitrobenzene-d5	7.43	82	753398	84.99	ng	0.00
42) 2,4,6-Tribromophenol	10.71	330	434655	136.10	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	1563217	90.48	ng	0.00
79) Terphenyl-d14	13.00	244	1846999	101.96	ng	0.00
Target Compounds						
9) Benzaldehyde	6.50	77	1458	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.43	70	102523	18.824 ng	#	77
25) Isophorone	7.43	82	749758	49.892 ng	#	62
50) Dimethylphthalate	9.63	163	60620	3.122 ng	#	97
51) 2,6-Dinitrotoluene	9.92	165	33294	7.885 ng	#	28
57) 2,4-Dinitrotoluene	9.92	165	33294	5.907 ng	#	26
67) 4-Bromophenyl-phenylether	10.71	248	27646	4.927 ng	#	1
77) Benzidine	13.00	184	25439	3.102 ng	#	93

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

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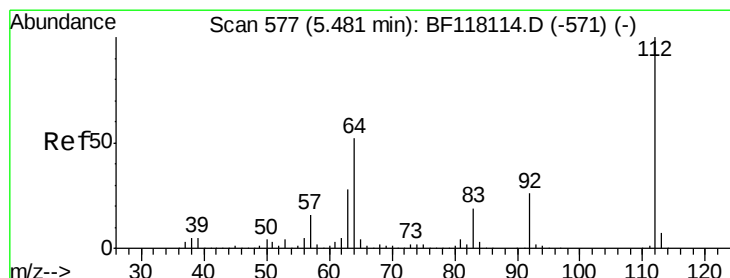
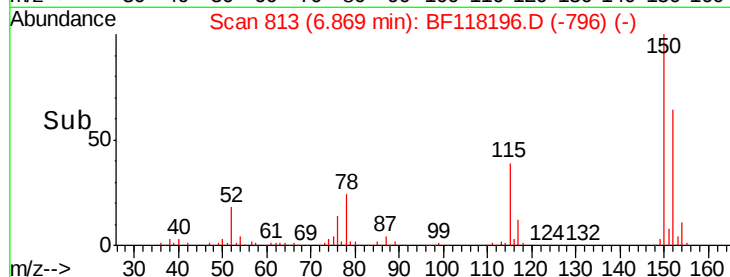
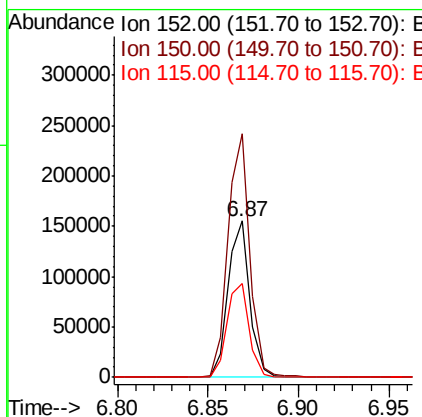
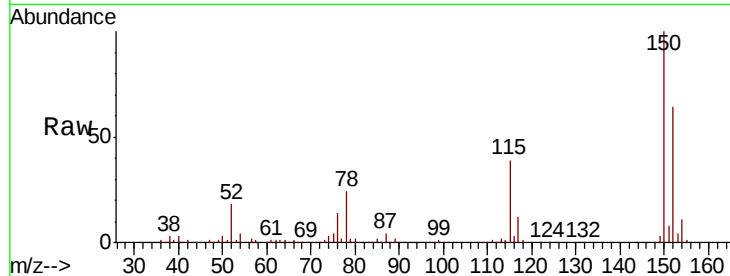


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF118196.D
Acq: 13 Dec 2019 19:55

Instrument :
BNA_F
ClientSampleId :

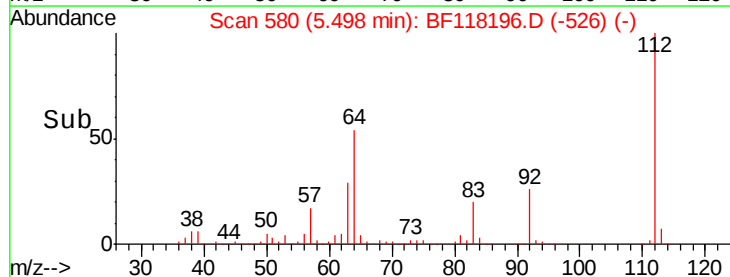
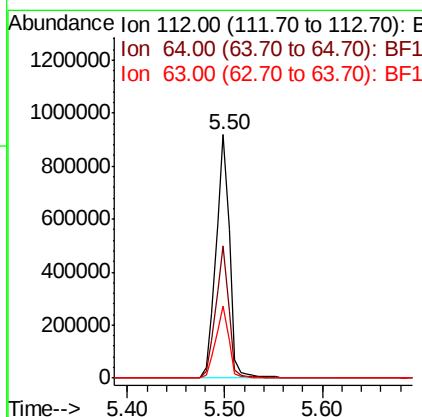
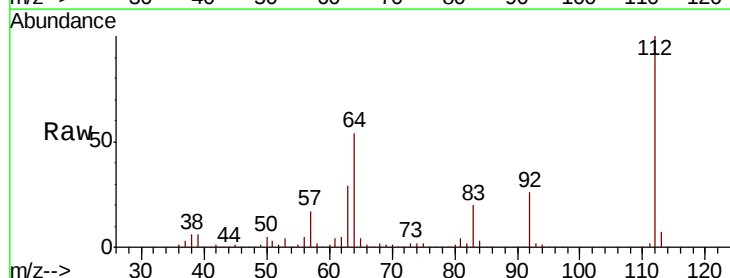
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	128.3	192.5
115	60.2	51.1	76.7

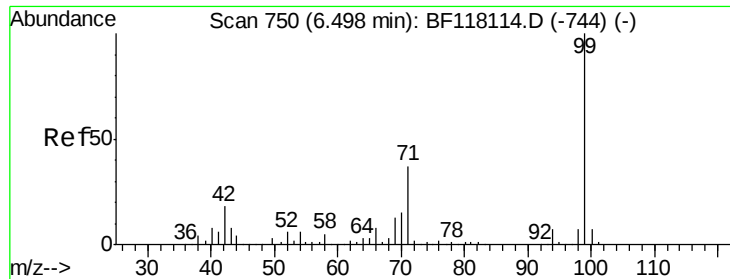


#5

2-Fluorophenol
Concen: 119.874 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.02 min
Lab File: BF118196.D
Acq: 13 Dec 2019 19:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.4	41.3	61.9
63	29.4	22.4	33.6





#7

Phenol-d6

Concen: 107.062 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF118196.D

Acq: 13 Dec 2019 19:55

Instrument :

BNA_F

ClientSampleId :

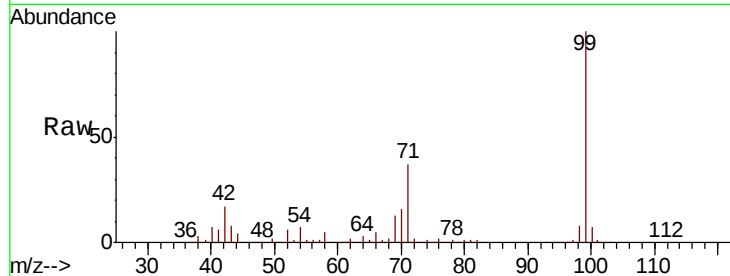
Tot Ion: 99 Resp: 959577

Ion Ratio Lower Upper

99 100

42 17.1 14.1 21.1

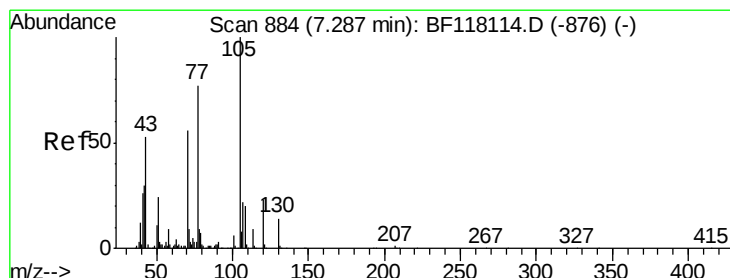
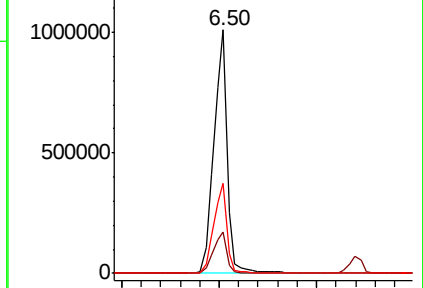
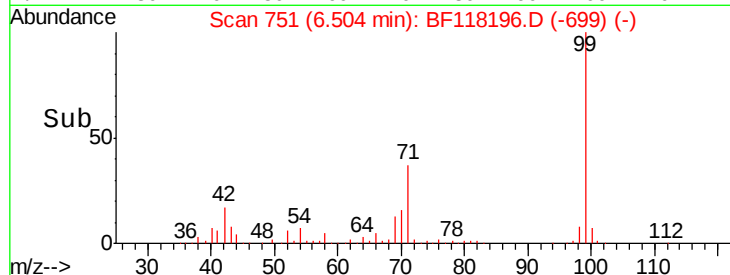
71 37.0 29.7 44.5



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



#19

n-Nitroso-di-n-propylamine

Concen: 18.824 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.15 min

Lab File: BF118196.D

Acq: 13 Dec 2019 19:55

Tgt Ion: 70 Resp: 102523

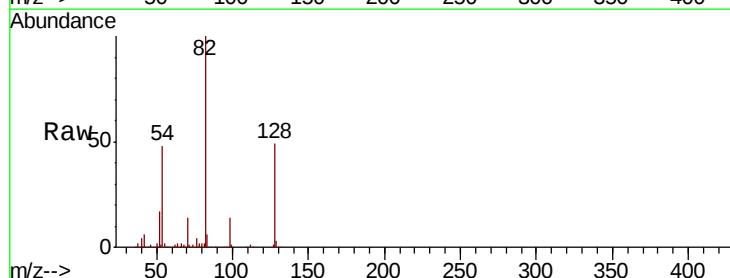
Ion Ratio Lower Upper

70 100

42 45.2 43.2 64.8

101 0.0 8.1 12.1#

130 2.1 19.8 29.8#

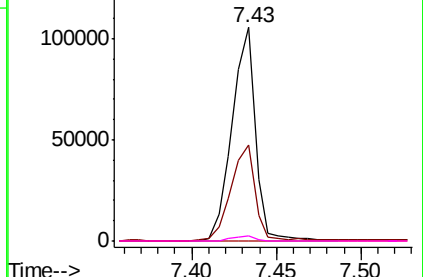
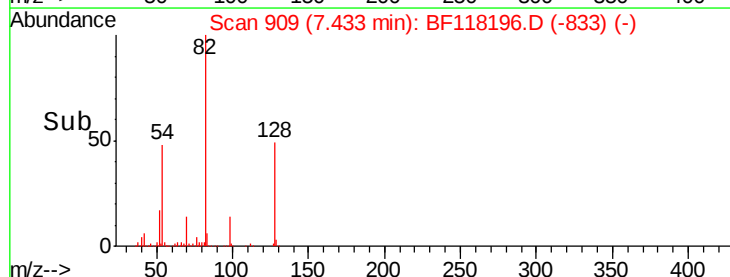


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

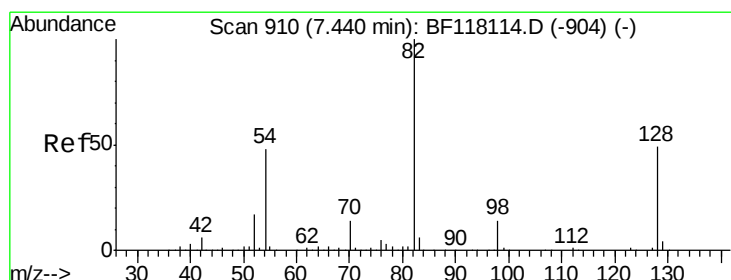
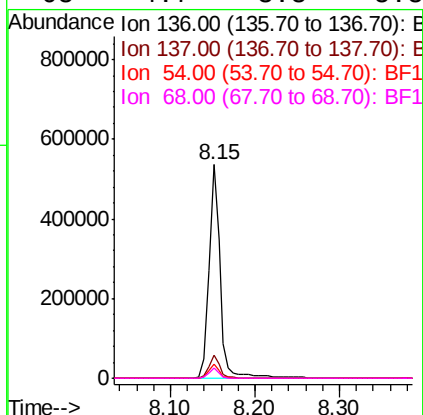
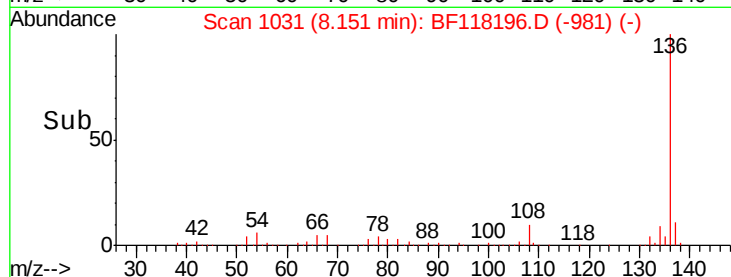
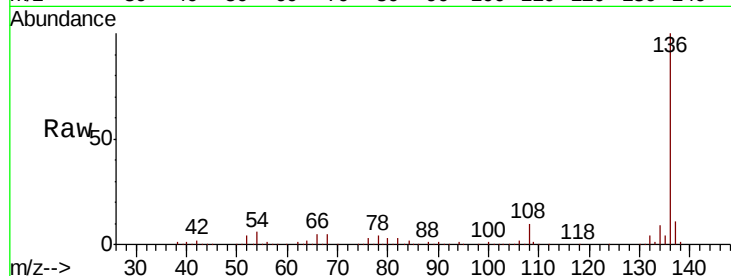




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF118196.D
Acq: 13 Dec 2019 19:55

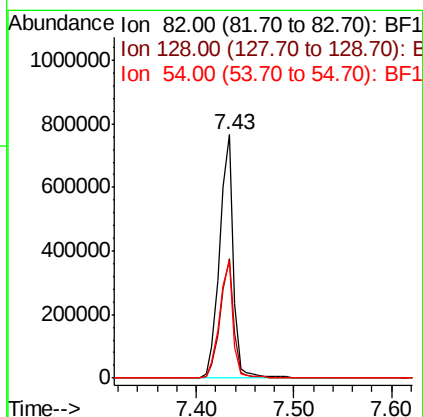
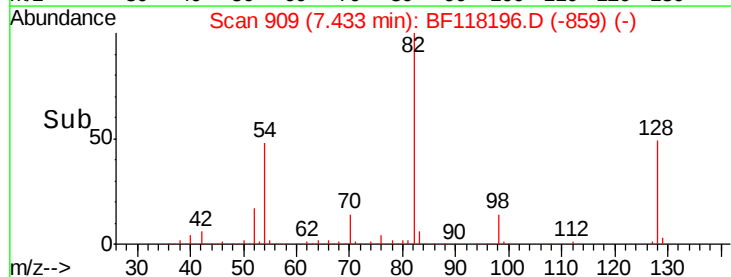
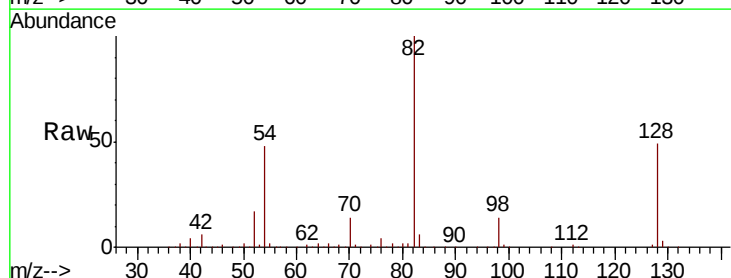
Instrument :
BNA_F
ClientSampleId :

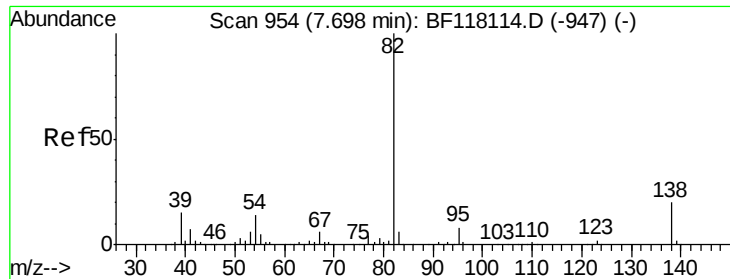
Tot Ion:136	Resp:	498708
Ion Ratio	Lower	Upper
136	100	
137	10.8	9.0 13.6
54	6.4	5.0 7.6
68	4.7	3.8 5.8



#23
Nitrobenzene-d5
Concen: 84.989 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF118196.D
Acq: 13 Dec 2019 19:55

Tgt Ion: 82	Resp:	753398
Ion Ratio	Lower	Upper
82	100	
128	48.8	39.1 58.7
54	48.1	38.2 57.2





#25

Isophorone

Concen: 49.892 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.26 min

Lab File: BF118196.D

Acq: 13 Dec 2019 19:55

Instrument :

BNA_F

ClientSampleId :

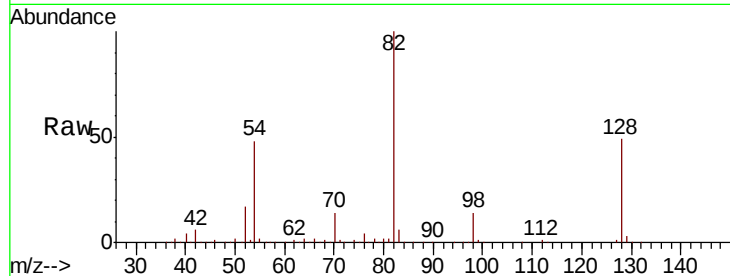
Tot Ion: 82 Resp: 749758

Ion Ratio Lower Upper

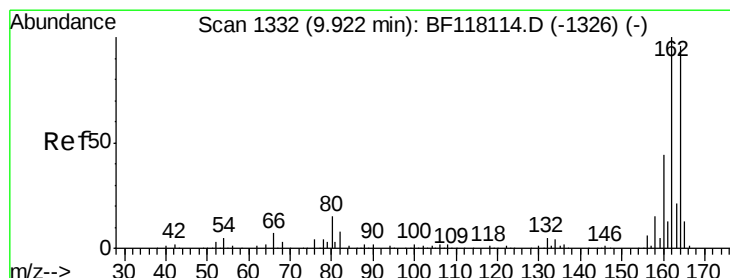
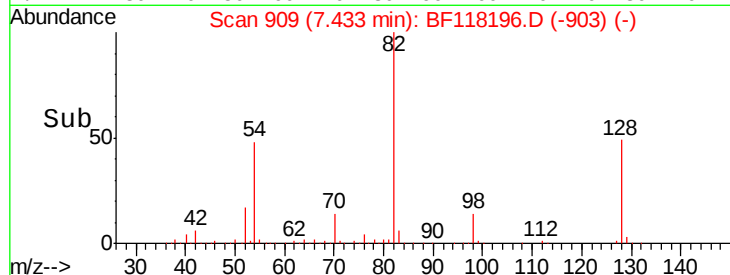
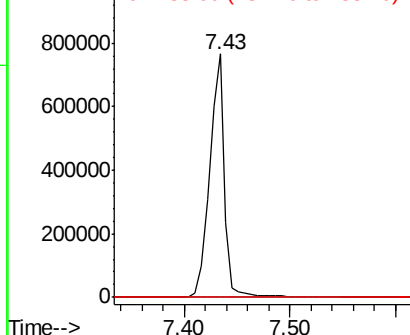
82 100

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: BF118196.D

Acq: 13 Dec 2019 19:55

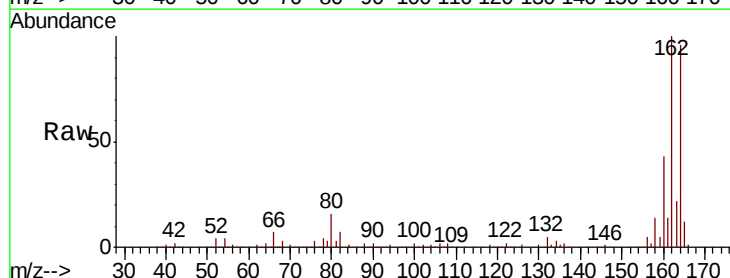
Tgt Ion: 164 Resp: 262898

Ion Ratio Lower Upper

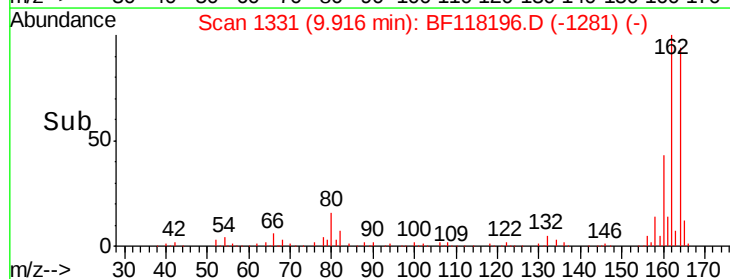
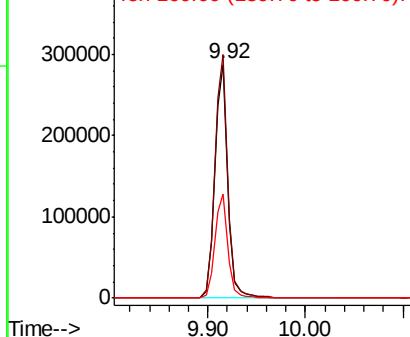
164 100

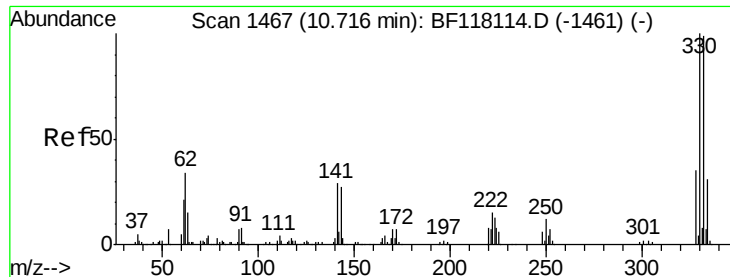
162 104.3 83.4 125.0

160 44.8 36.6 54.8



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 136.096 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.01 min

Lab File: BF118196.D

Acq: 13 Dec 2019 19:55

Instrument :

BNA_F

ClientSampleId :

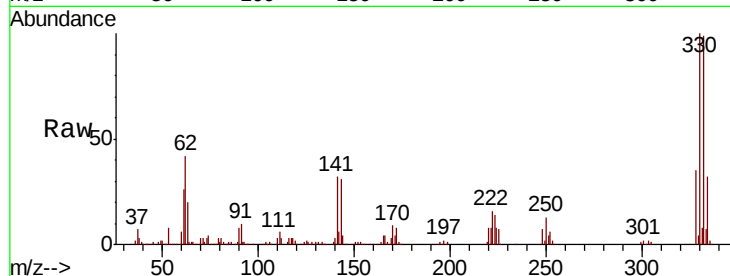
Tot Ion:330 Resp: 434655

Ion Ratio Lower Upper

330 100

332 98.2 78.1 117.1

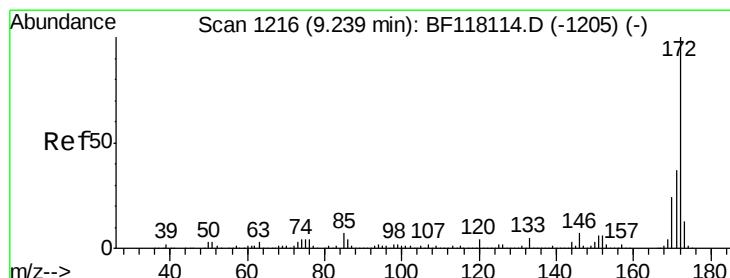
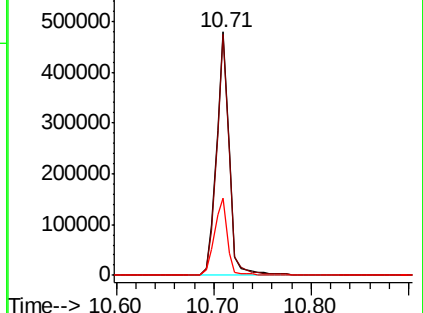
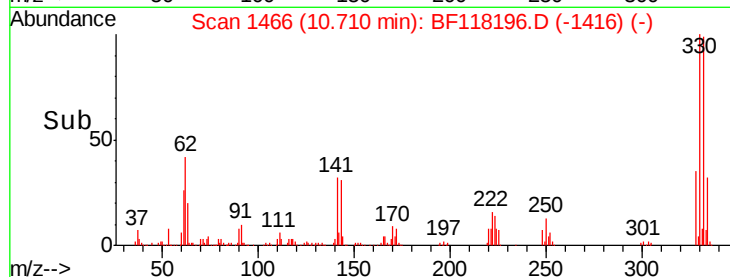
141 32.5 26.9 40.3



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: 90.479 ng

RT: 9.23 min Scan# 1215

Delta R.T. -0.01 min

Lab File: BF118196.D

Acq: 13 Dec 2019 19:55

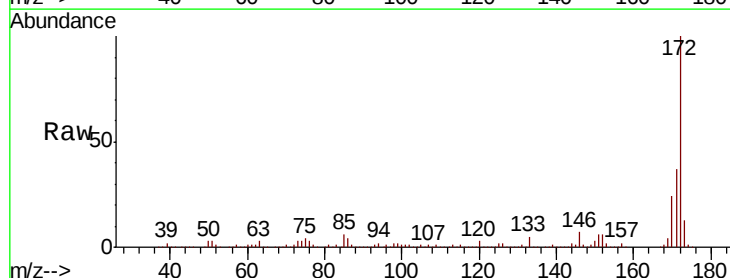
Tgt Ion:172 Resp: 1563217

Ion Ratio Lower Upper

172 100

171 36.8 29.2 43.8

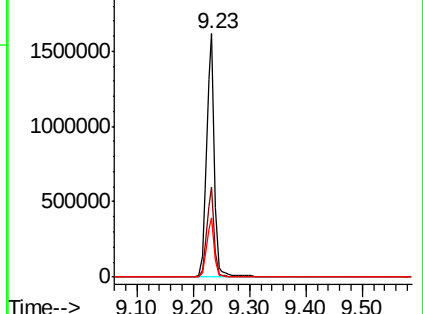
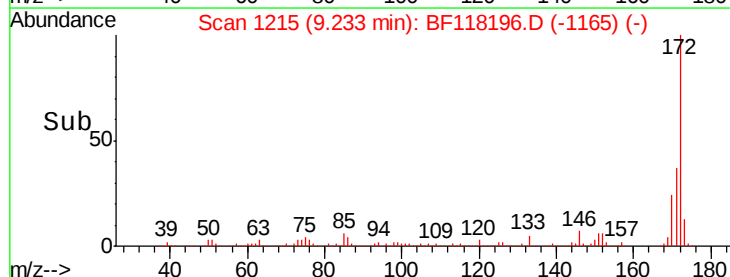
170 24.3 19.4 29.2

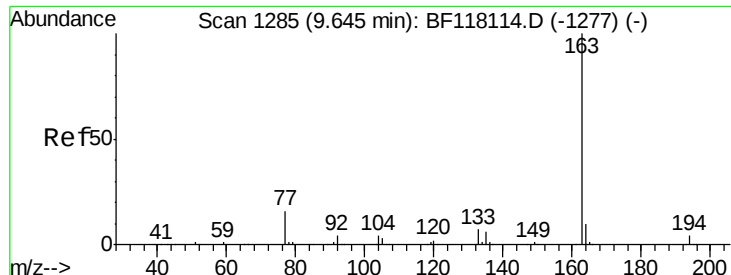


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

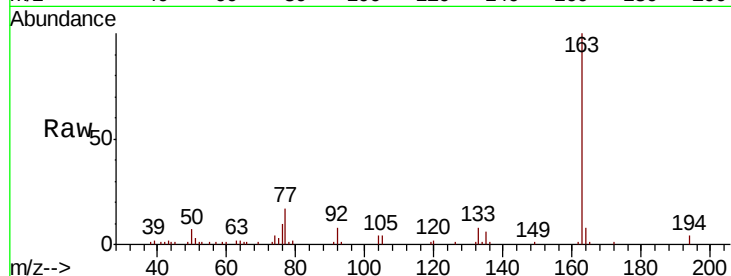




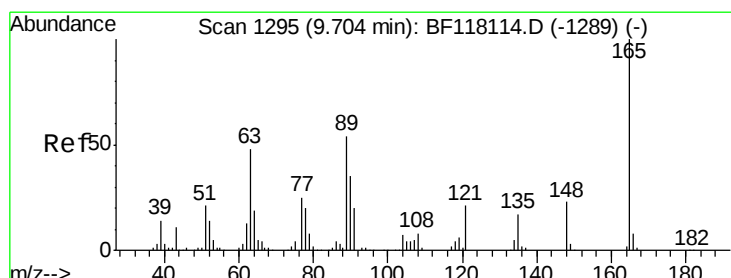
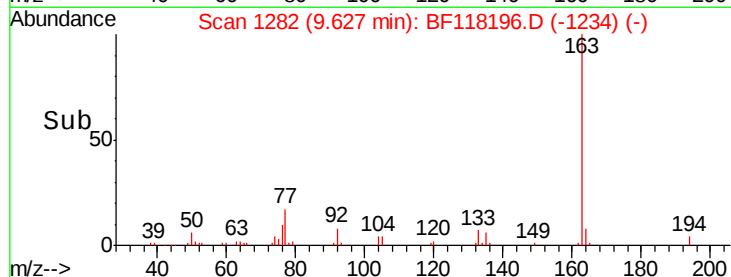
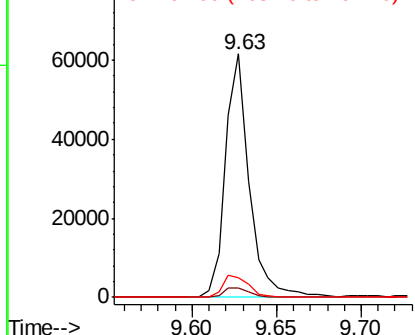
#50
Dimethylphthalate
Concen: 3.122 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF118196.D
Acq: 13 Dec 2019 19:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 60620
Ion Ratio Lower Upper
163 100
194 3.7 3.1 4.7
164 8.0 7.7 11.5

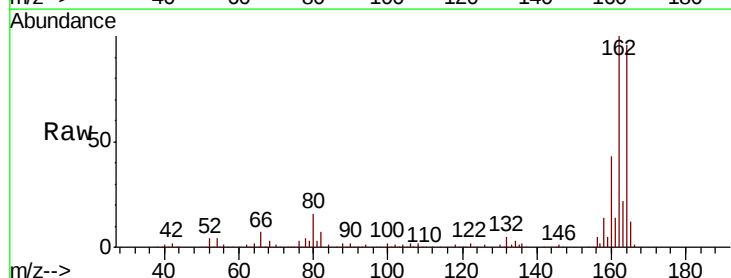


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

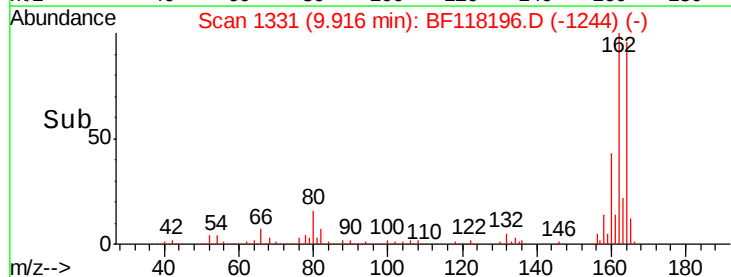
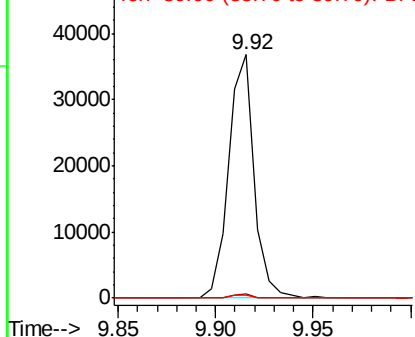


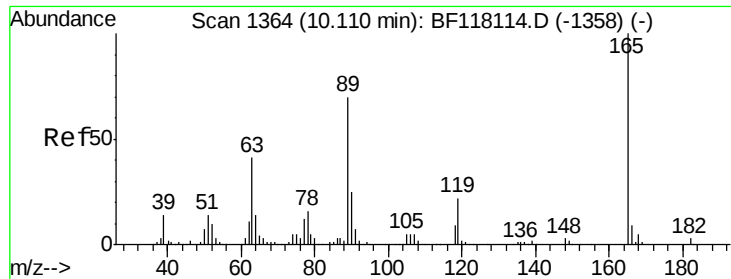
#51
2,6-Dinitrotoluene
Concen: 7.885 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.21 min
Lab File: BF118196.D
Acq: 13 Dec 2019 19:55

Tgt Ion:165 Resp: 33294
Ion Ratio Lower Upper
165 100
63 1.7 41.4 62.0#
89 1.4 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

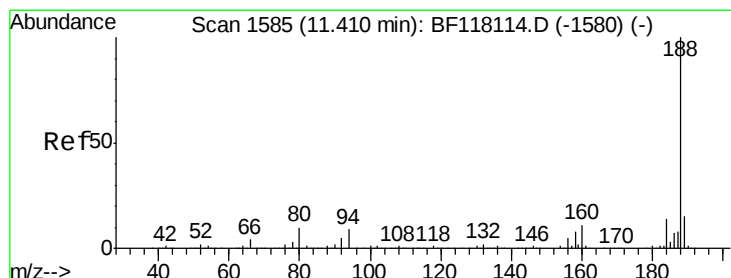
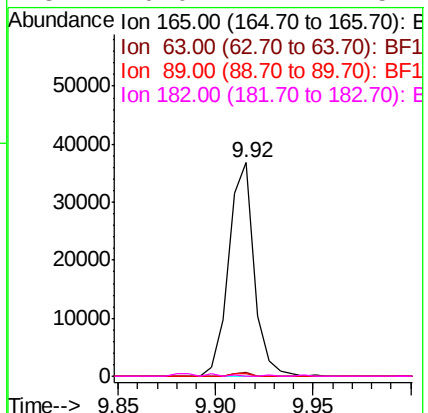
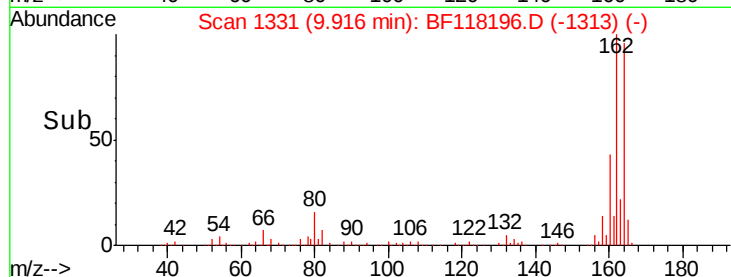
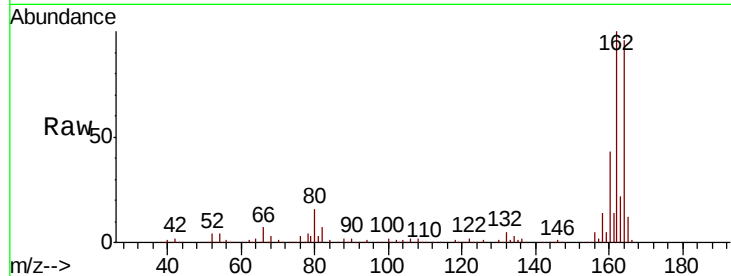




#57
 2,4-Dinitrotoluene
 Concen: 5.907 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF118196.D
 Acq: 13 Dec 2019 19:55

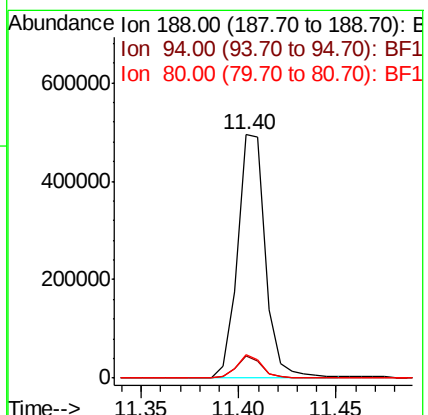
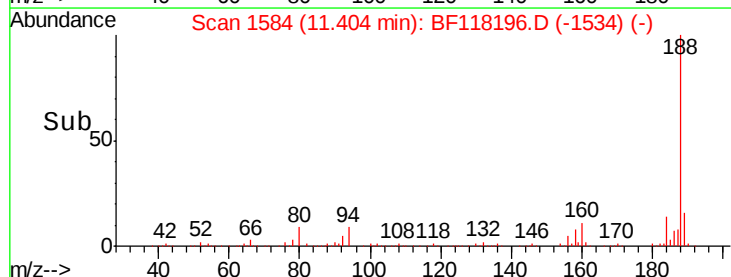
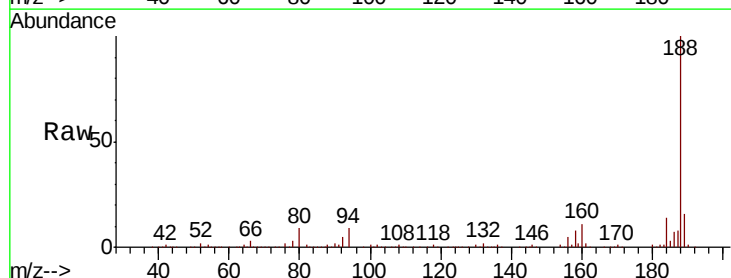
Instrument :
 BNA_F
 ClientSampleId :

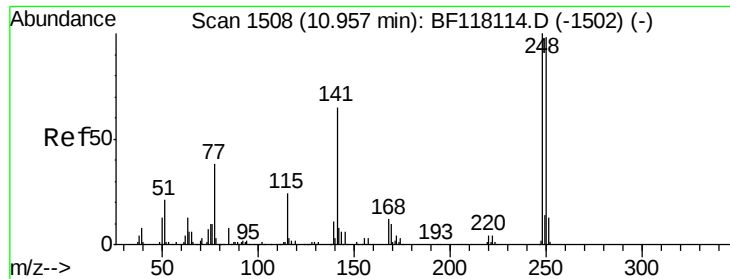
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	32.6	49.0#
89	1.4	56.1	84.1#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF118196.D
 Acq: 13 Dec 2019 19:55

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.1	10.7
80	9.4	7.9	11.9

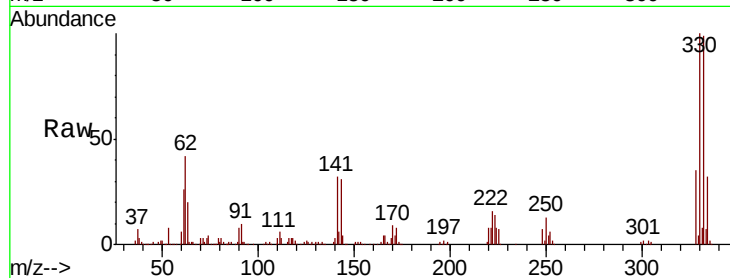




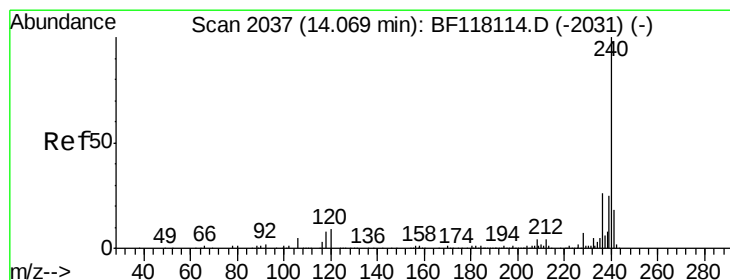
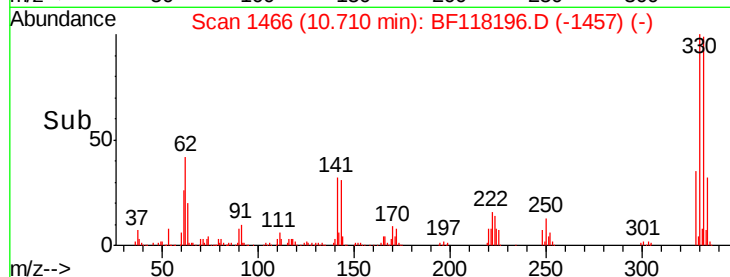
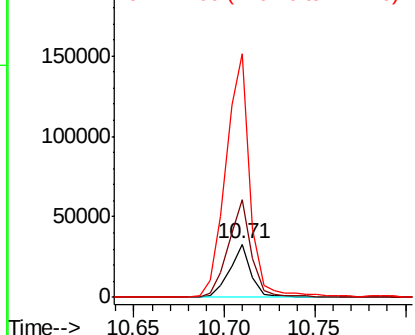
#67
4-Bromophenyl-phenylether
Concen: 4.927 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.25 min
Lab File: BF118196.D
Acq: 13 Dec 2019 19:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 27646
Ion Ratio Lower Upper
248 100
250 183.9 78.3 117.5#
141 457.7 52.2 78.4#

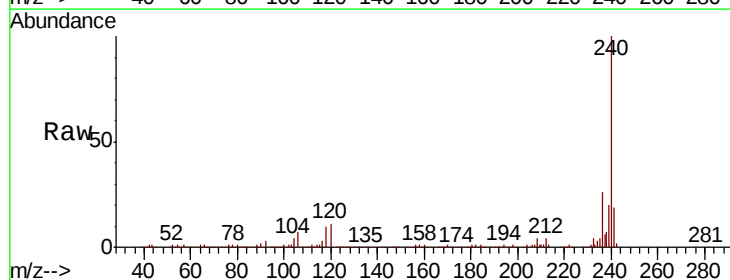


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

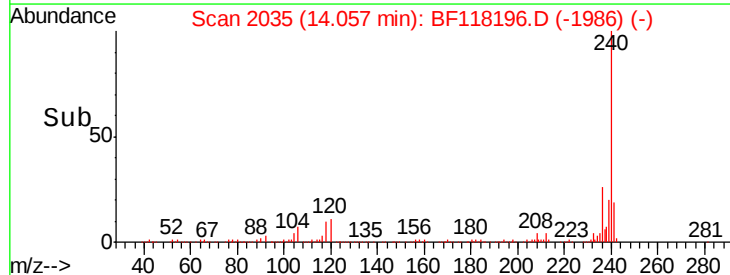
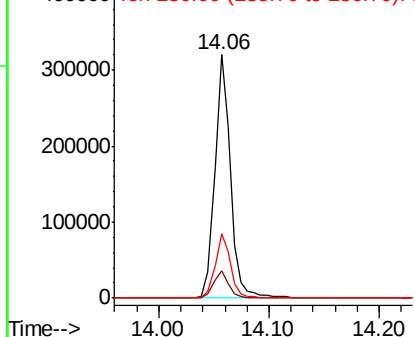


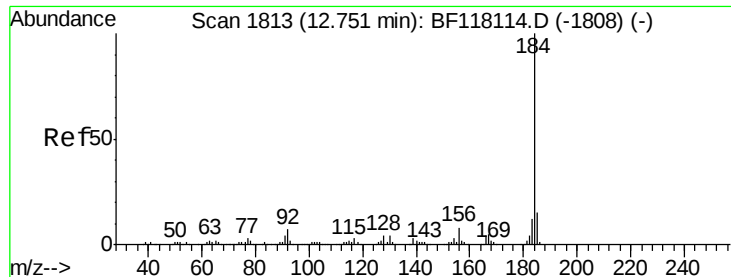
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF118196.D
Acq: 13 Dec 2019 19:55

Tgt Ion:240 Resp: 311511
Ion Ratio Lower Upper
240 100
120 11.2 7.1 10.7#
236 26.2 21.0 31.6



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

Benzidine

Concen: 3.102 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.25 min

Lab File: BF118196.D

Acq: 13 Dec 2019 19:55

Instrument :

BNA_F

ClientSampleId :

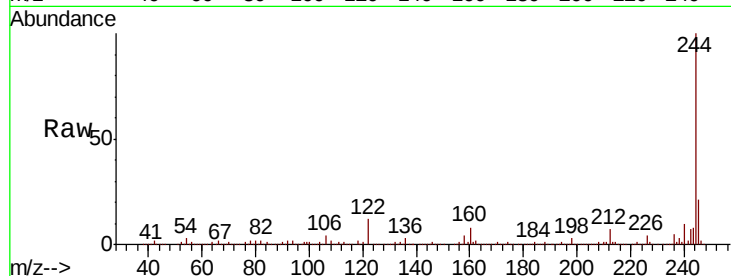
Tot Ion:184 Resp: 25439

Ion Ratio Lower Upper

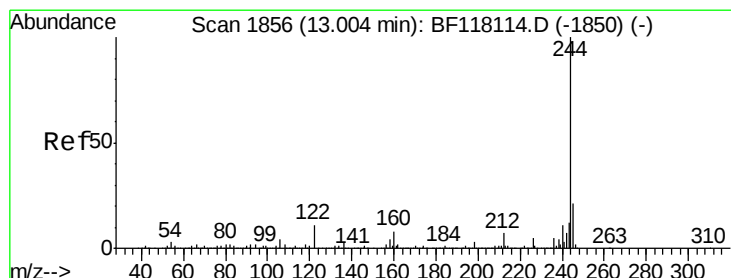
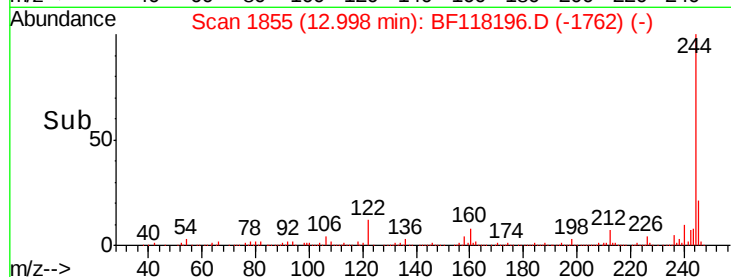
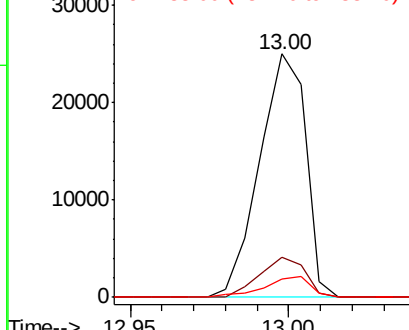
184 100

185 16.2 12.3 18.5

183 7.5 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: 101.959 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF118196.D

Acq: 13 Dec 2019 19:55

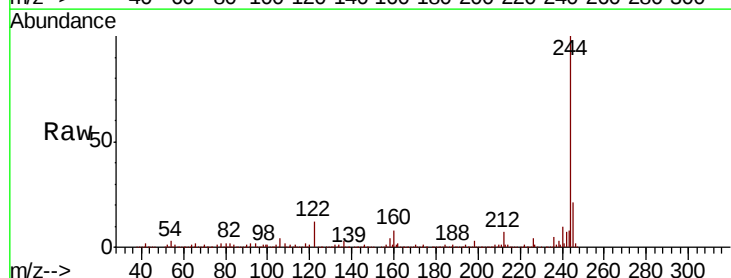
Tgt Ion:244 Resp: 1846999

Ion Ratio Lower Upper

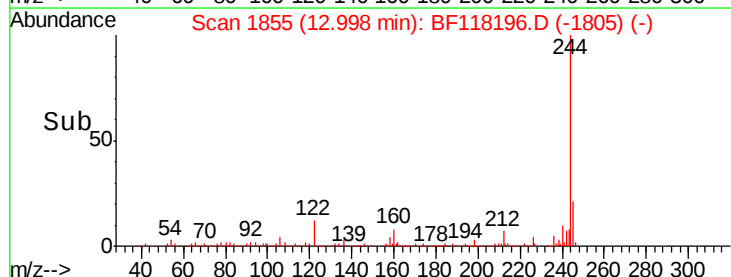
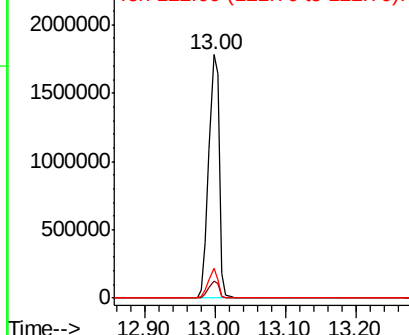
244 100

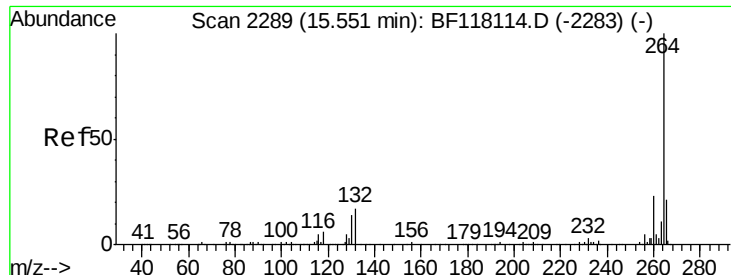
212 7.2 5.9 8.9

122 12.1 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

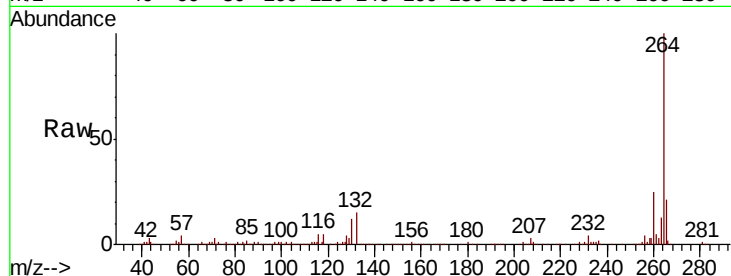




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.55 min Scan# 2289
Delta R.T. -0.00 min
Lab File: BF118196.D
Acq: 13 Dec 2019 19:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.6	28.0
265	21.2	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

