

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121719\
 Data File : BF118231.D
 Acq On : 17 Dec 2019 17:30
 Operator : JU
 Sample : K6310-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 18 05:04:18 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

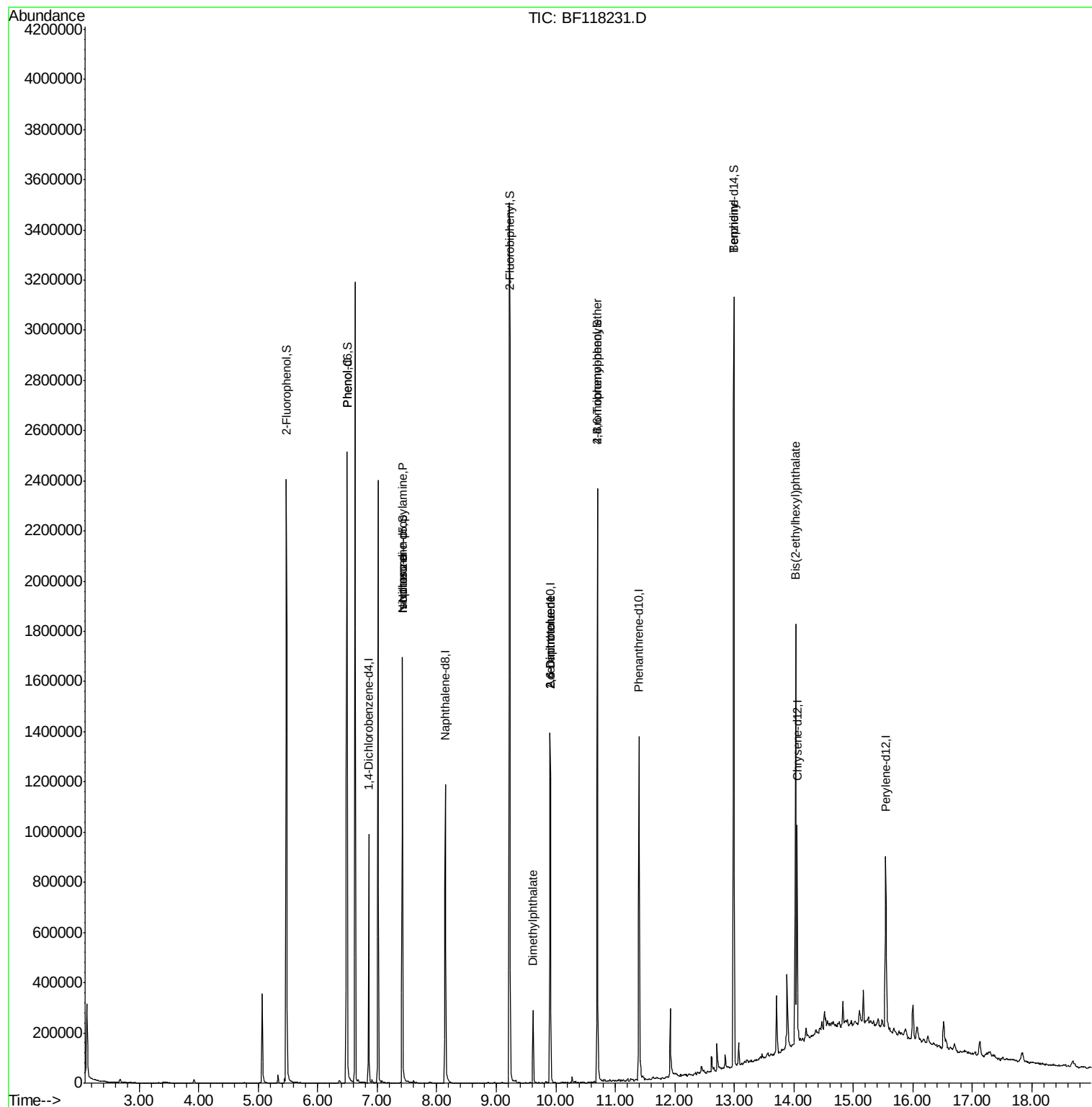
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	136846	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	550678	20.00	ng	-0.01
39) Acenaphthene-d10	9.90	164	291488	20.00	ng	-0.02
64) Phenanthrene-d10	11.40	188	503797	20.00	ng	-0.01
76) Chrysene-d12	14.05	240	280580	20.00	ng	-0.02
87) Perylene-d12	15.54	264	303944	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	698134	89.35	ng	0.00
7) Phenol-d6	6.49	99	907453	96.02	ng	0.00
23) Nitrobenzene-d5	7.42	82	545926	55.77	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	292810	82.69	ng	-0.02
45) 2-Fluorobiphenyl	9.22	172	1121338	58.54	ng	-0.02
79) Terphenyl-d14	12.99	244	1042515	63.89	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.49	77	1444	Below Cal	Qvalue #	1
10) Phenol	6.50	94	21751	2.018 ng	#	71
19) n-Nitroso-di-n-propylamine	7.42	70	73765	12.845 ng	#	77
25) Isophorone	7.42	82	539132	32.490 ng	#	62
50) Dimethylphthalate	9.62	163	127389	5.917 ng		97
51) 2,6-Dinitrotoluene	9.90	165	38352	8.192 ng	#	27
57) 2,4-Dinitrotoluene	9.90	165	38352	6.137 ng	#	25
67) 4-Bromophenyl-phenylether	10.70	248	18210	3.166 ng	#	1
77) Benzidine	12.99	184	14872	2.013 ng	#	92
84) Bis(2-ethylhexyl)phthalate	14.03	149	508802	38.534 ng	#	98

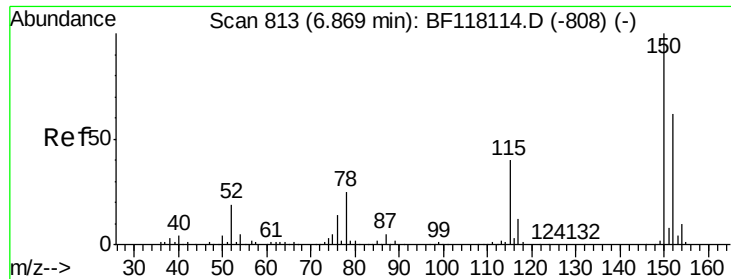
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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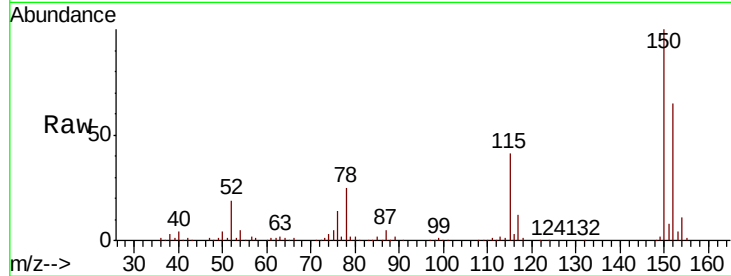


#1

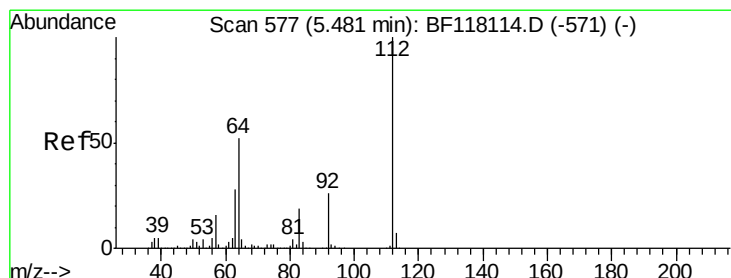
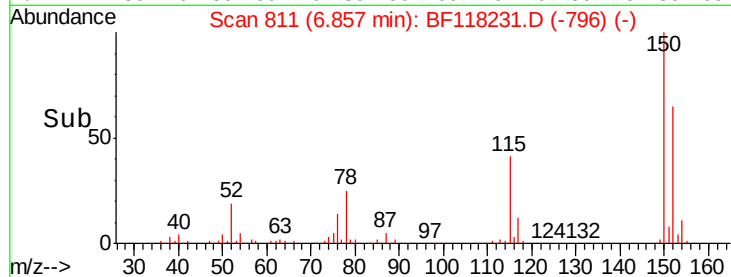
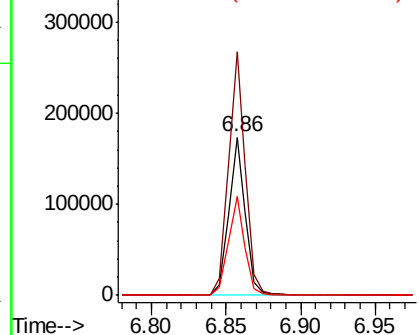
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: BF118231.D
 Acq: 17 Dec 2019 17:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 136846
 Ion Ratio Lower Upper
 152 100
 150 153.9 128.3 192.5
 115 62.5 51.1 76.7



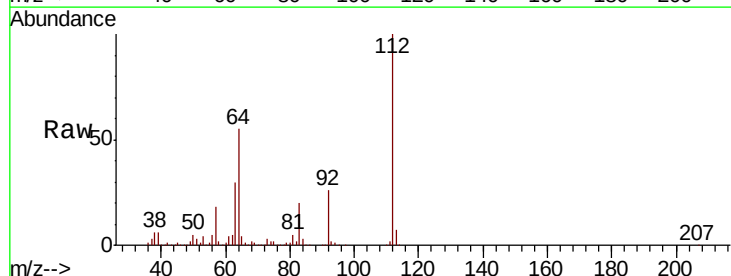
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



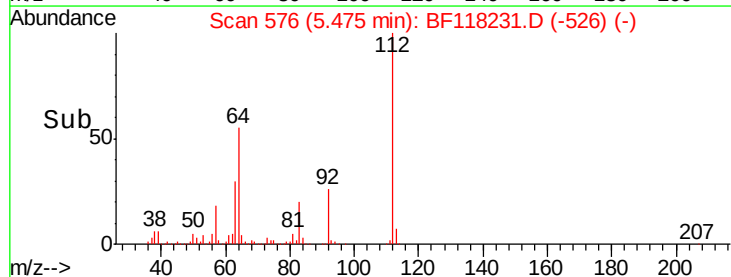
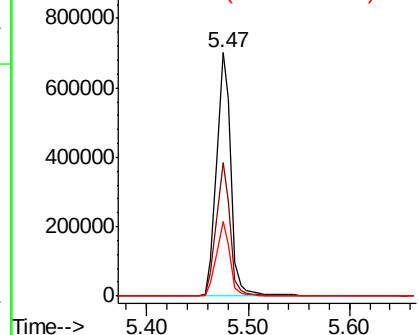
#5

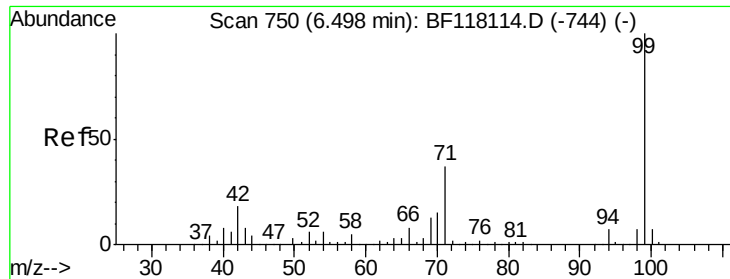
2-Fluorophenol
 Concen: 89.353 ng
 RT: 5.47 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: BF118231.D
 Acq: 17 Dec 2019 17:30

Tgt Ion:112 Resp: 698134
 Ion Ratio Lower Upper
 112 100
 64 54.7 41.3 61.9
 63 30.5 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: 96.023 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF118231.D

Acq: 17 Dec 2019 17:30

Instrument :

BNA_F

ClientSampleId :

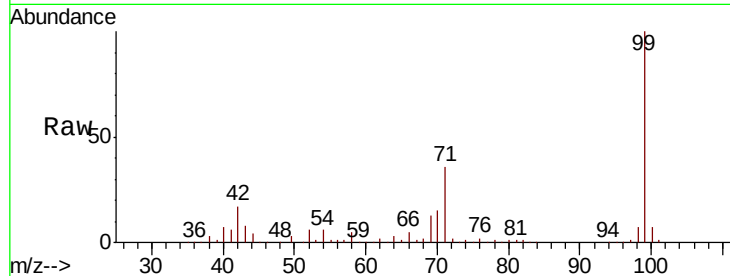
Tot Ion: 99 Resp: 907453

Ion Ratio Lower Upper

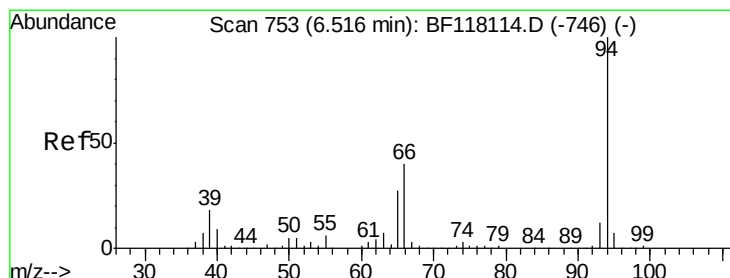
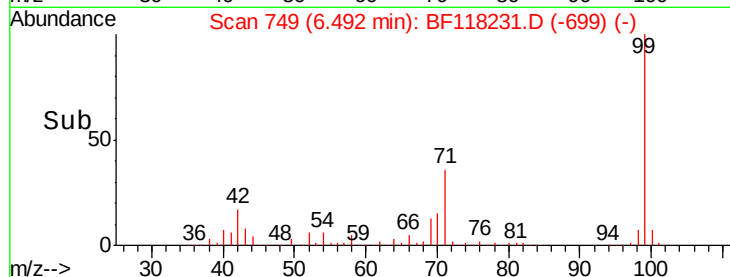
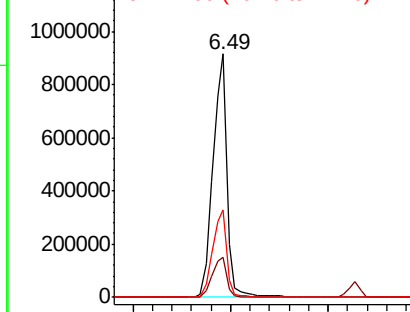
99 100

42 16.7 14.1 21.1

71 36.1 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: 2.018 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.02 min

Lab File: BF118231.D

Acq: 17 Dec 2019 17:30

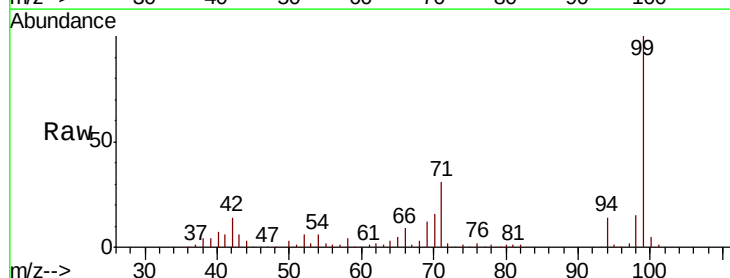
Tgt Ion: 94 Resp: 21751

Ion Ratio Lower Upper

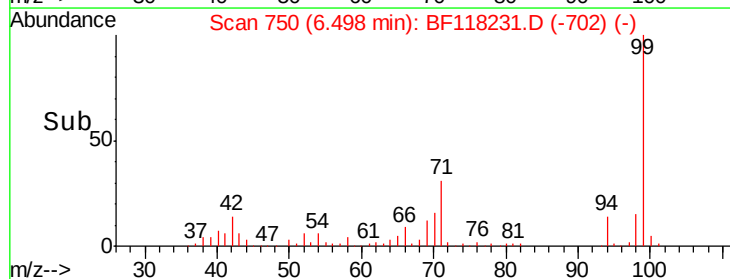
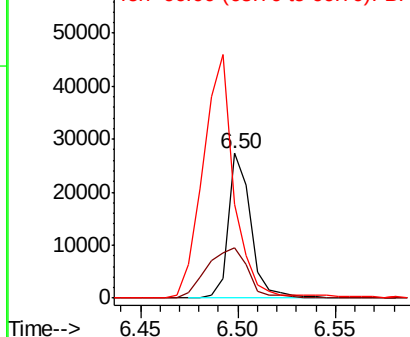
94 100

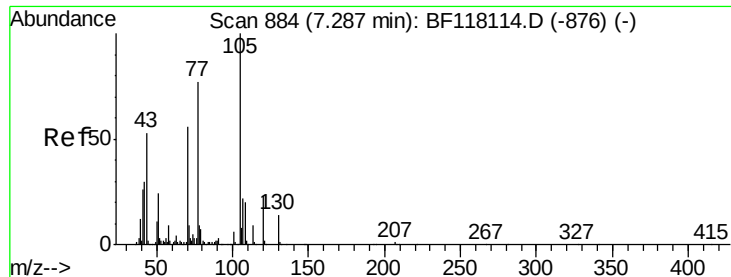
65 34.6 7.3 47.3

66 65.0 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

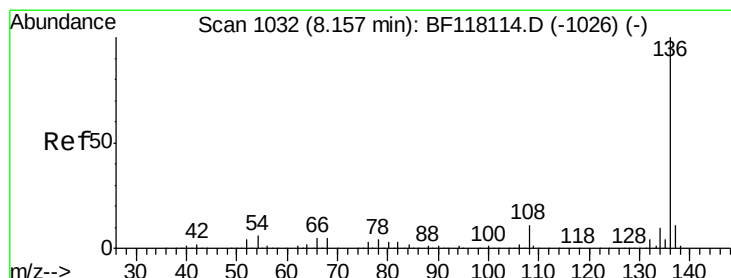
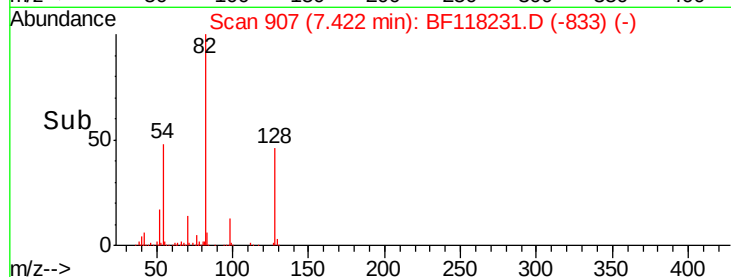
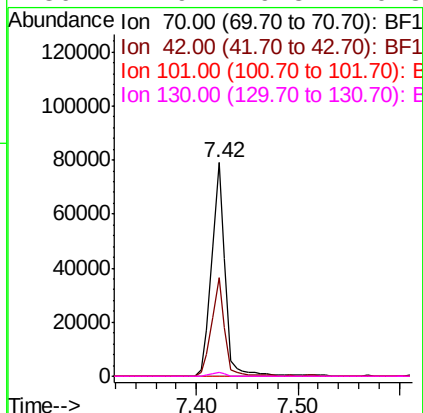
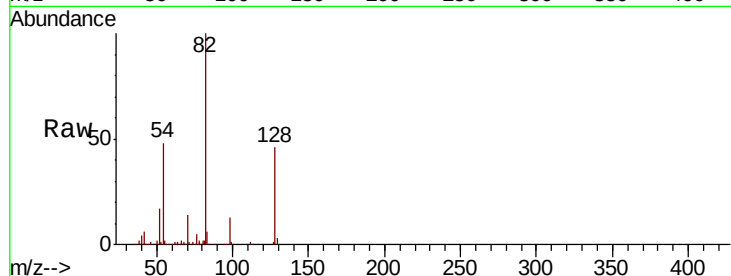




#19
n-Nitroso-di-n-propylamine
Concen: 12.845 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.14 min
Lab File: BF118231.D
Acq: 17 Dec 2019 17:30

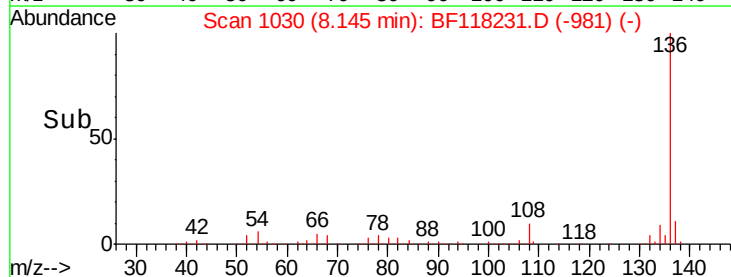
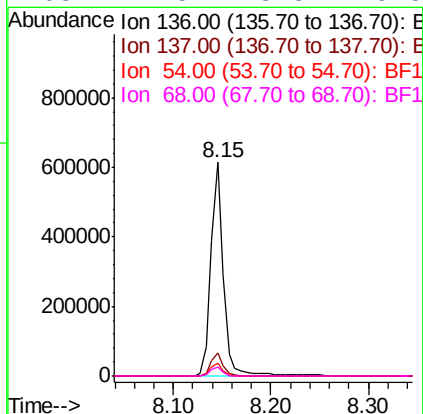
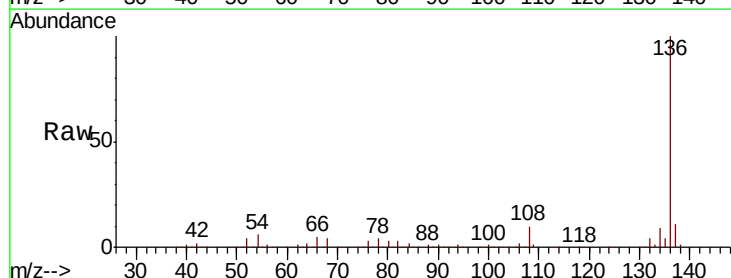
Instrument :
BNA_F
ClientSampleId :

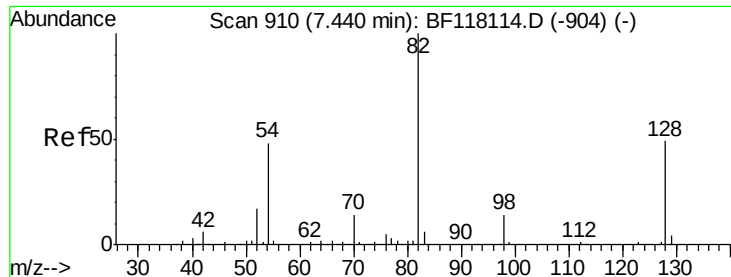
Tot Ion: 70 Resp: 73765
Ion Ratio Lower Upper
70 100
42 45.9 43.2 64.8
101 0.0 8.1 12.1#
130 1.9 19.8 29.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF118231.D
Acq: 17 Dec 2019 17:30

Tgt Ion: 136 Resp: 550678
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.6
54 6.0 5.0 7.6
68 4.5 3.8 5.8

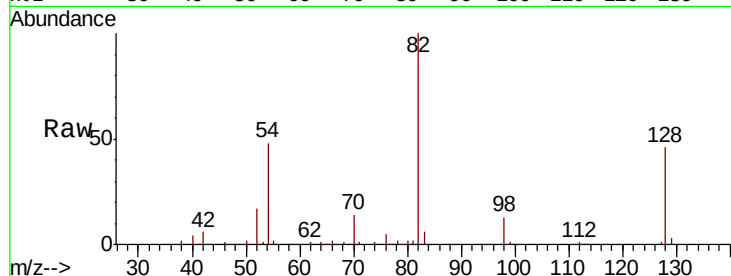




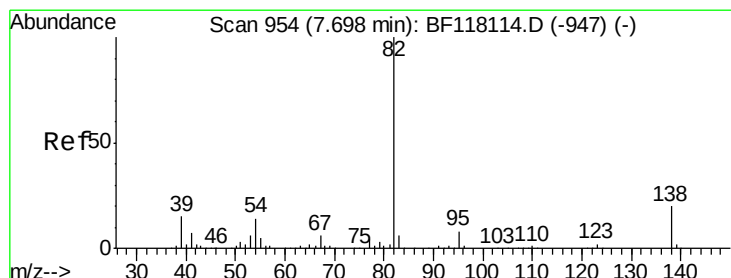
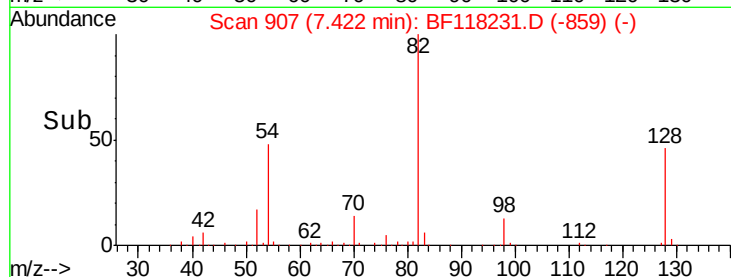
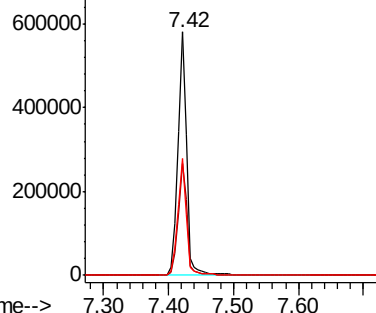
#23
Nitrobenzene-d5
Concen: 55.772 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.02 min
Lab File: BF118231.D
Acq: 17 Dec 2019 17:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 545926
Ion Ratio Lower Upper
82 100
128 45.9 39.1 58.7
54 47.9 38.2 57.2

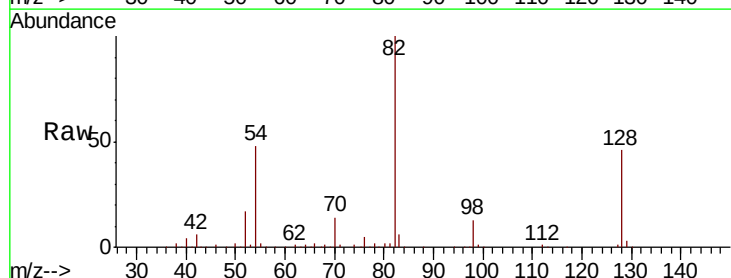


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

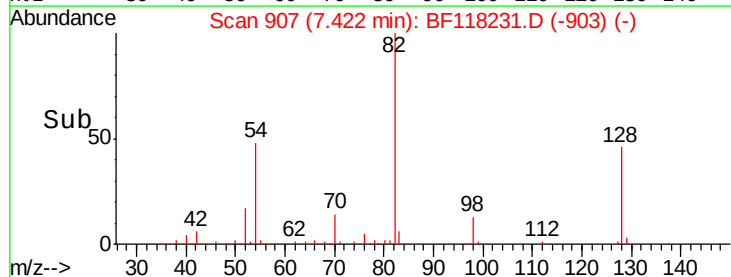
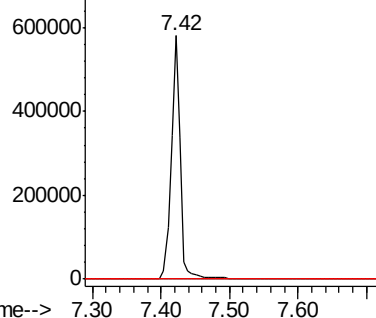


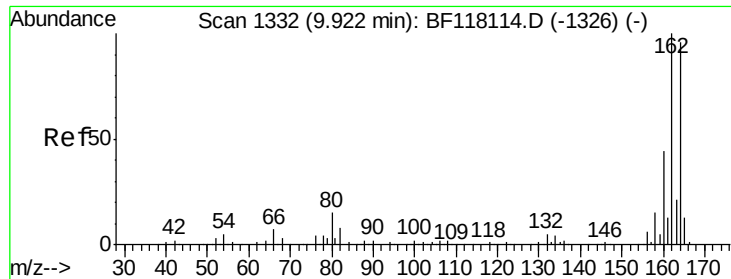
#25
Isophorone
Concen: 32.490 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.28 min
Lab File: BF118231.D
Acq: 17 Dec 2019 17:30

Tgt Ion: 82 Resp: 539132
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: 9.90 min Scan# 1329

Delta R.T. -0.02 min

Lab File: BF118231.D

Acq: 17 Dec 2019 17:30

Instrument :

BNA_F

ClientSampleId :

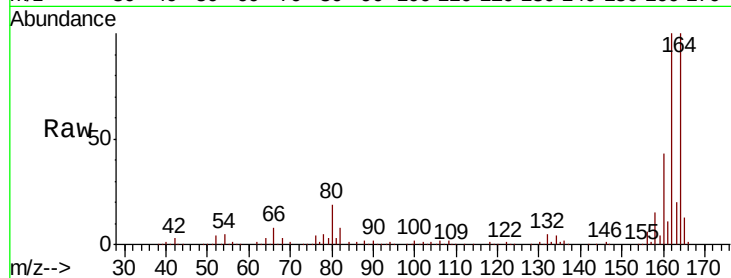
Tot Ion:164 Resp: 291488

Ion Ratio Lower Upper

164 100

162 100.3 83.4 125.0

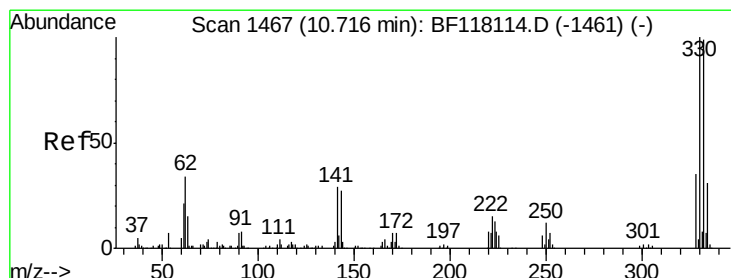
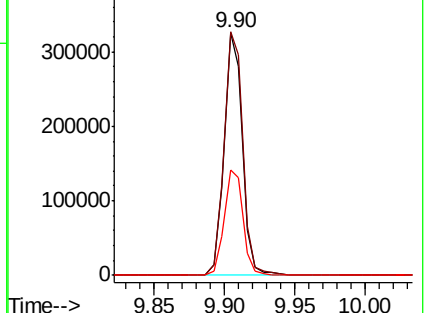
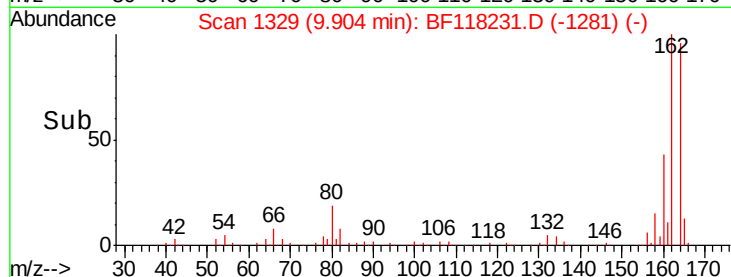
160 43.3 36.6 54.8



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: 82.690 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.02 min

Lab File: BF118231.D

Acq: 17 Dec 2019 17:30

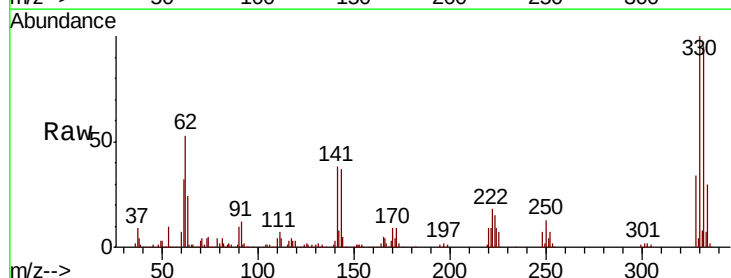
Tgt Ion:330 Resp: 292810

Ion Ratio Lower Upper

330 100

332 96.1 78.1 117.1

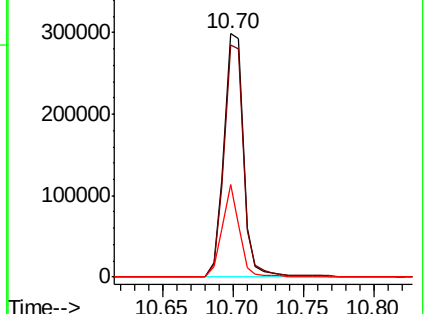
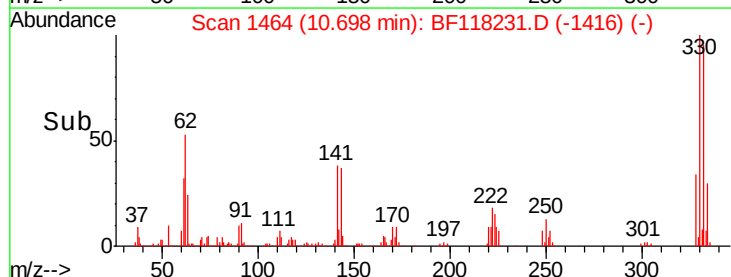
141 33.2 26.9 40.3

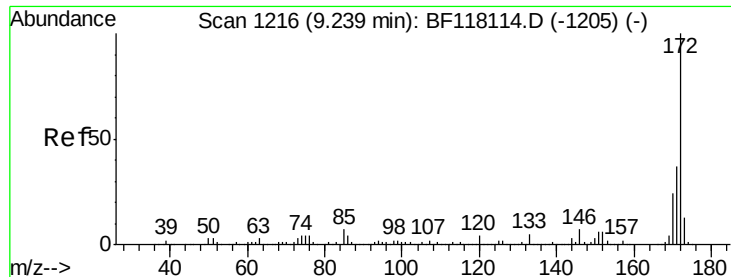


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

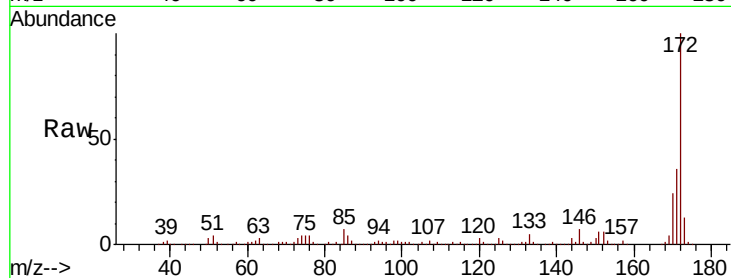




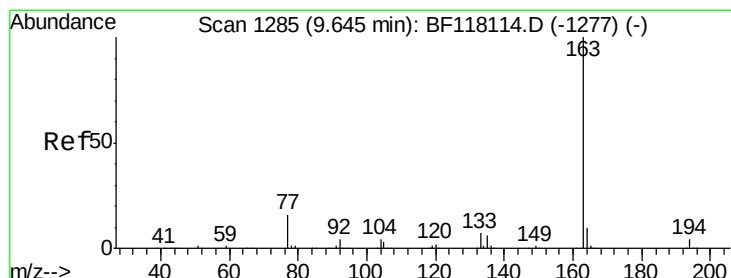
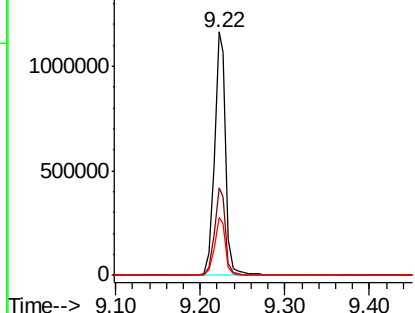
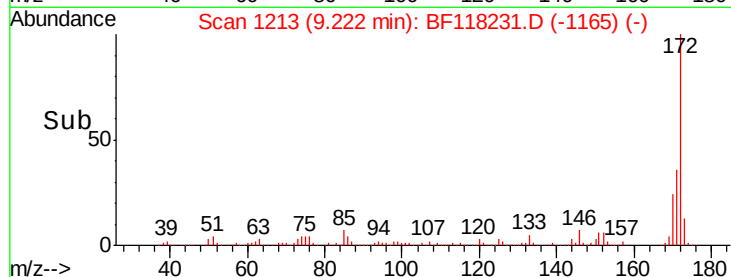
#45
2-Fluorobiphenyl
Concen: 58.537 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.02 min
Lab File: BF118231.D
Acq: 17 Dec 2019 17:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1121338
Ion Ratio Lower Upper
172 100
171 36.1 29.2 43.8
170 24.0 19.4 29.2

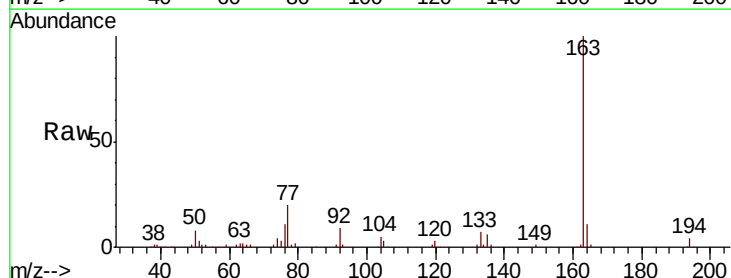


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

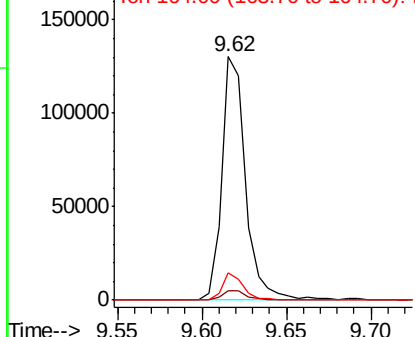
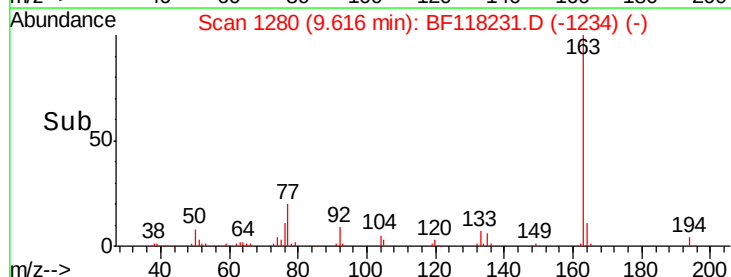


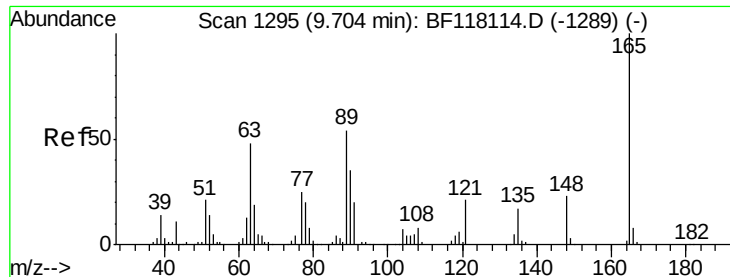
#50
Dimethylphthalate
Concen: 5.917 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.03 min
Lab File: BF118231.D
Acq: 17 Dec 2019 17:30

Tgt Ion:163 Resp: 127389
Ion Ratio Lower Upper
163 100
194 4.0 3.1 4.7
164 11.1 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

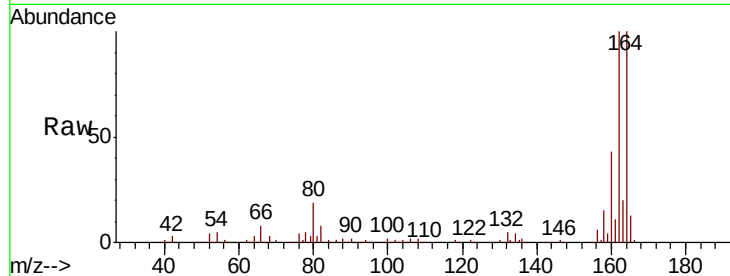




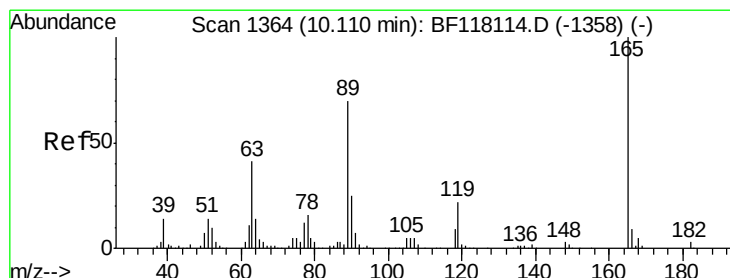
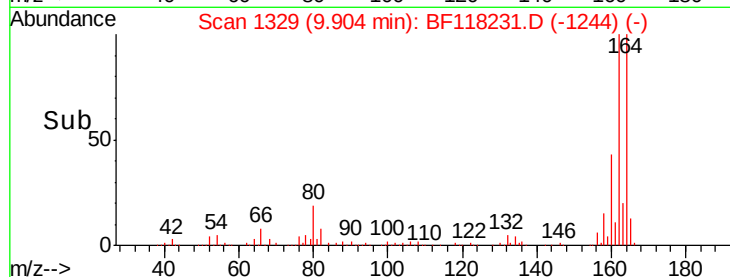
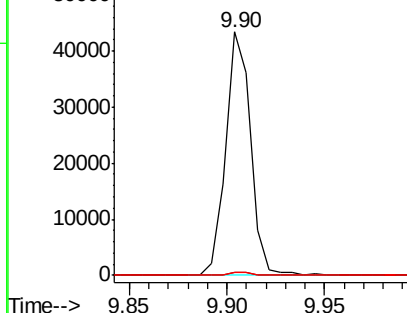
#51
 2,6-Dinitrotoluene
 Concen: 8.192 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. 0.20 min
 Lab File: BF118231.D
 Acq: 17 Dec 2019 17:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	41.4	62.0#
89	1.5	42.9	64.3#

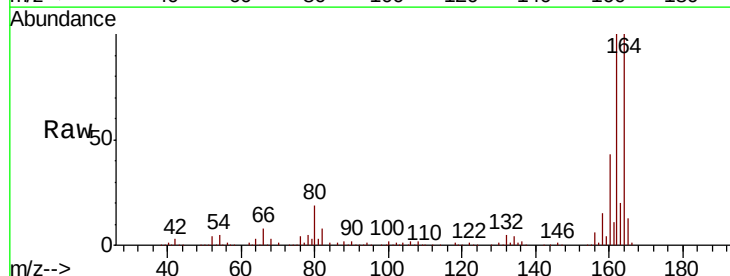


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

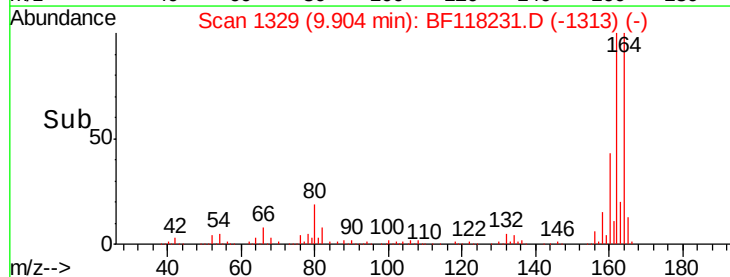
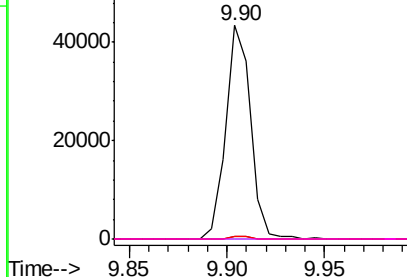


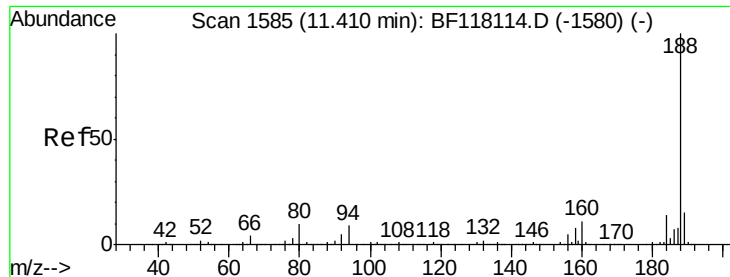
#57
 2,4-Dinitrotoluene
 Concen: 6.137 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. -0.21 min
 Lab File: BF118231.D
 Acq: 17 Dec 2019 17:30

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	32.6	49.0#
89	1.5	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

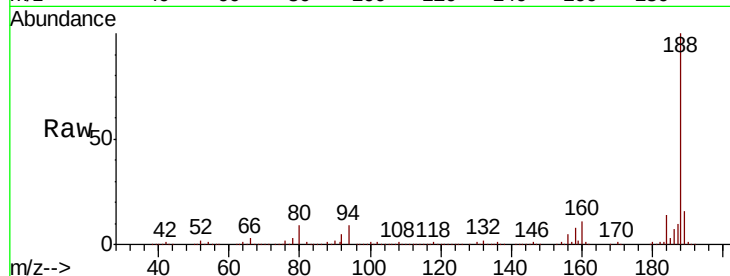




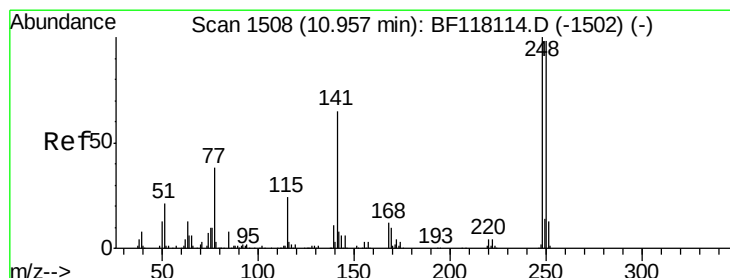
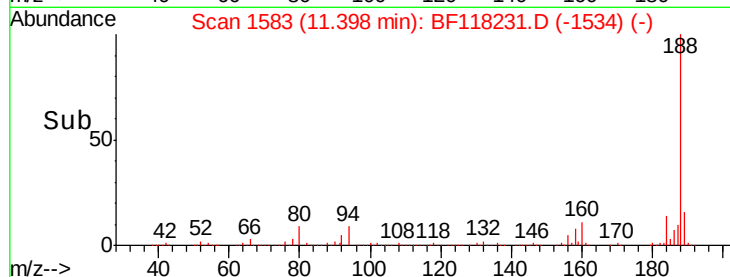
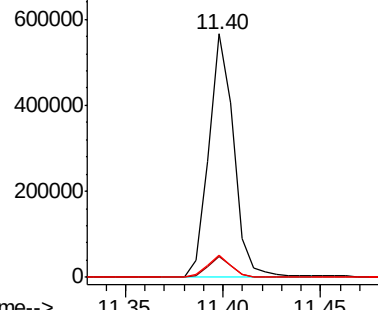
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF118231.D
Acq: 17 Dec 2019 17:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.1	10.7
80	9.1	7.9	11.9

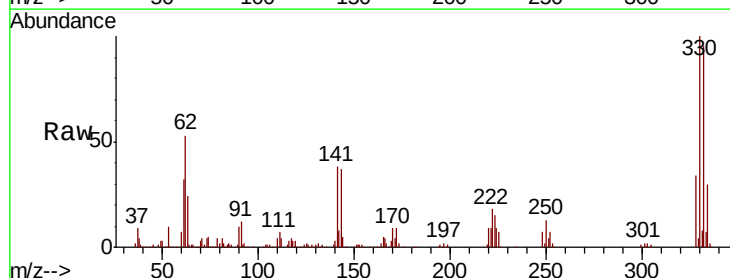


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

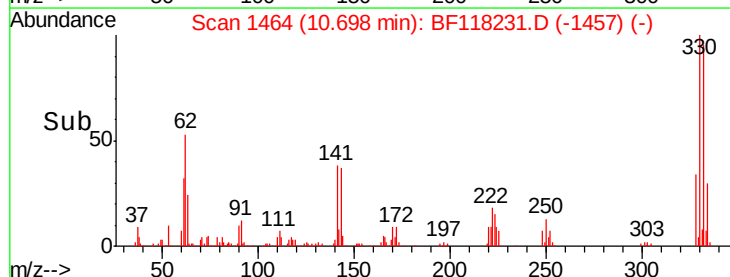
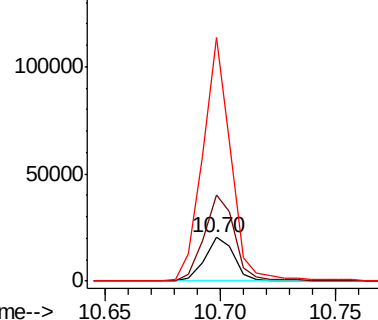


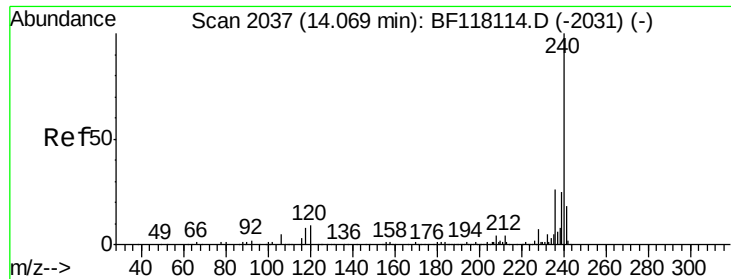
#67
4-Bromophenyl-phenylether
Concen: 3.166 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.26 min
Lab File: BF118231.D
Acq: 17 Dec 2019 17:30

Tgt Ion	Ratio	Lower	Upper
248	100		
250	196.0	78.3	117.5#
141	555.7	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

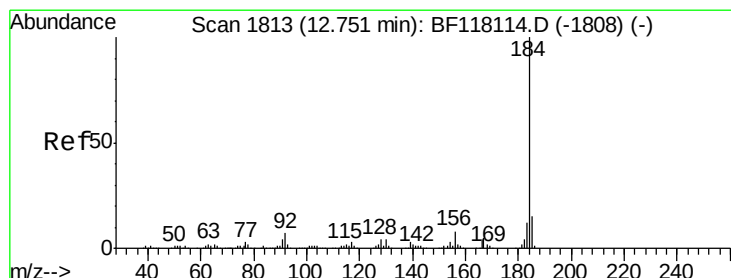
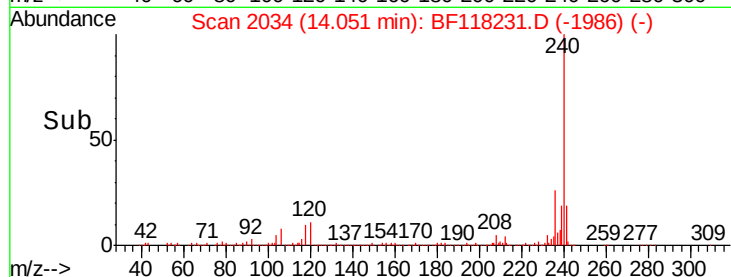
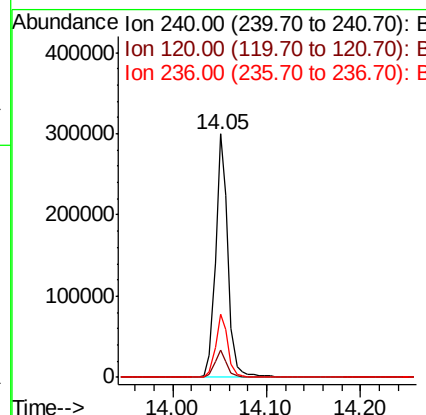
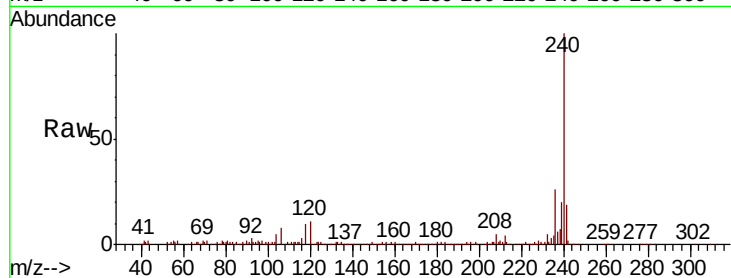




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. -0.02 min
 Lab File: BF118231.D
 Acq: 17 Dec 2019 17:30

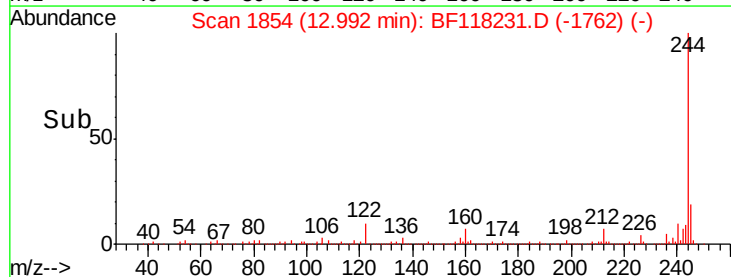
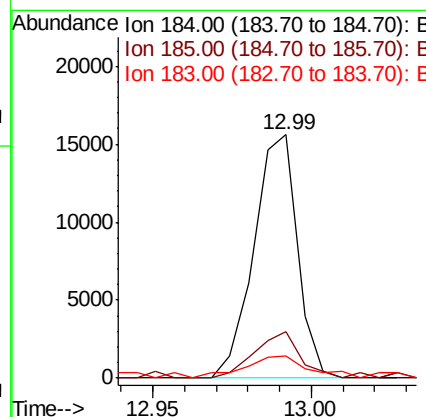
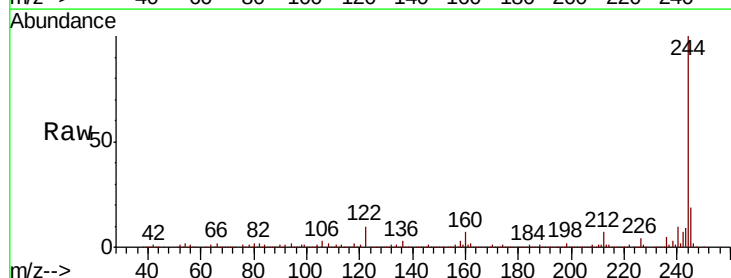
Instrument :
 BNA_F
 ClientSampleId :

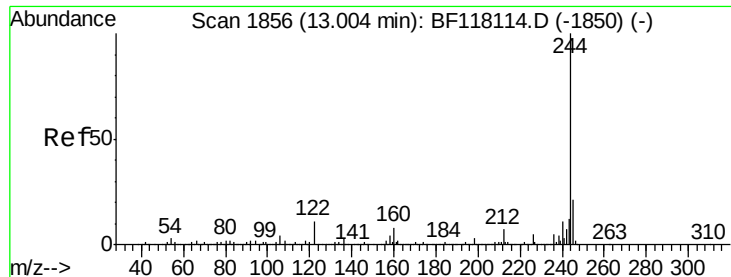
Tot Ion:240 Resp: 280580
 Ion Ratio Lower Upper
 240 100
 120 11.0 7.1 10.7#
 236 26.0 21.0 31.6



#77
 Benzidine
 Concen: 2.013 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. 0.24 min
 Lab File: BF118231.D
 Acq: 17 Dec 2019 17:30

Tgt Ion:184 Resp: 14872
 Ion Ratio Lower Upper
 184 100
 185 18.9 12.3 18.5#
 183 9.1 9.9 14.9#





#79

Terphenyl-d14

Concen: 63.894 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF118231.D

Acq: 17 Dec 2019 17:30

Instrument :

BNA_F

ClientSampleId :

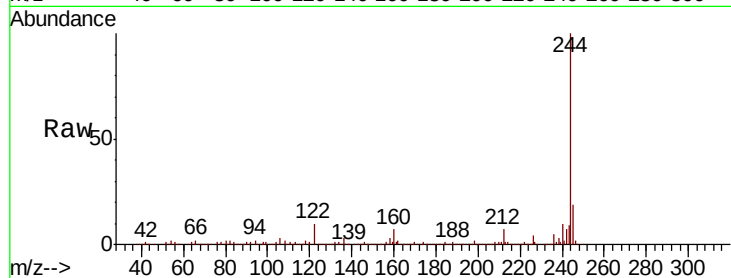
Tot Ion:244 Resp: 1042515

Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

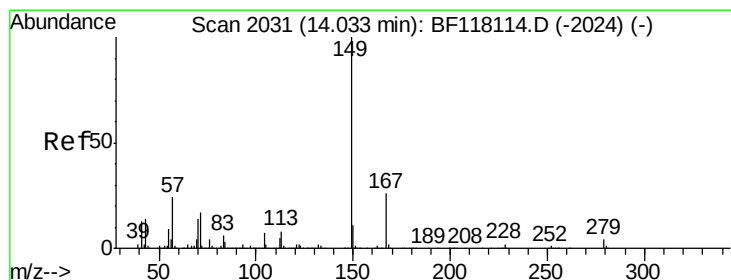
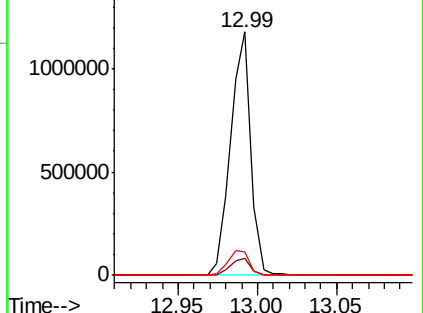
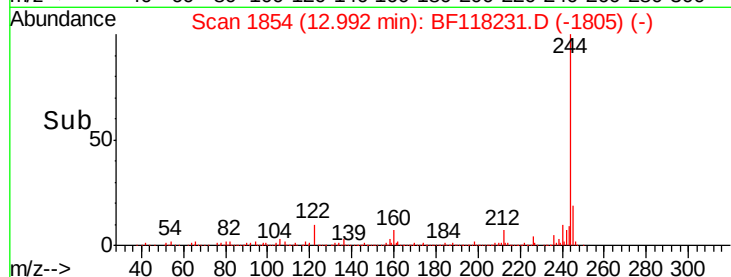
122 9.7 9.0 13.6



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 38.534 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF118231.D

Acq: 17 Dec 2019 17:30

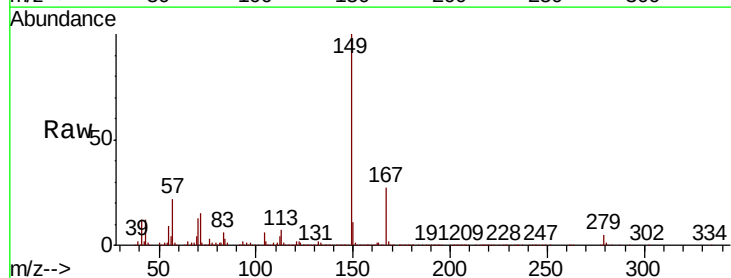
Tgt Ion:149 Resp: 508802

Ion Ratio Lower Upper

149 100

167 26.9 20.8 31.2

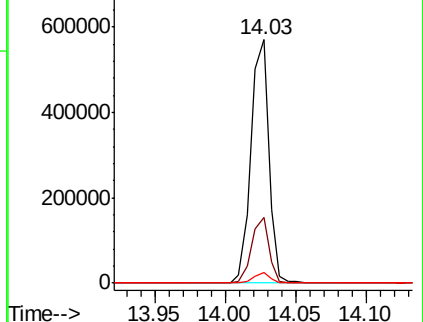
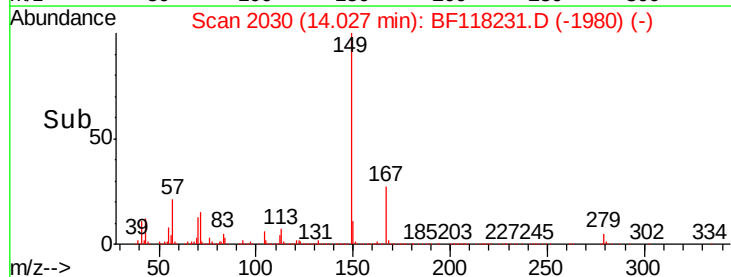
279 4.6 2.9 4.3#

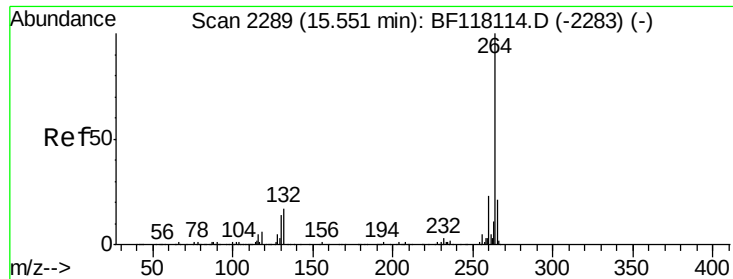


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. -0.01 min
Lab File: BF118231.D
Acq: 17 Dec 2019 17:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.6	28.0
265	22.1	16.8	25.2

