

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121619\
 Data File : BF118205.D
 Acq On : 16 Dec 2019 19:19
 Operator : JU
 Sample : K6258-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 17 01:07:05 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

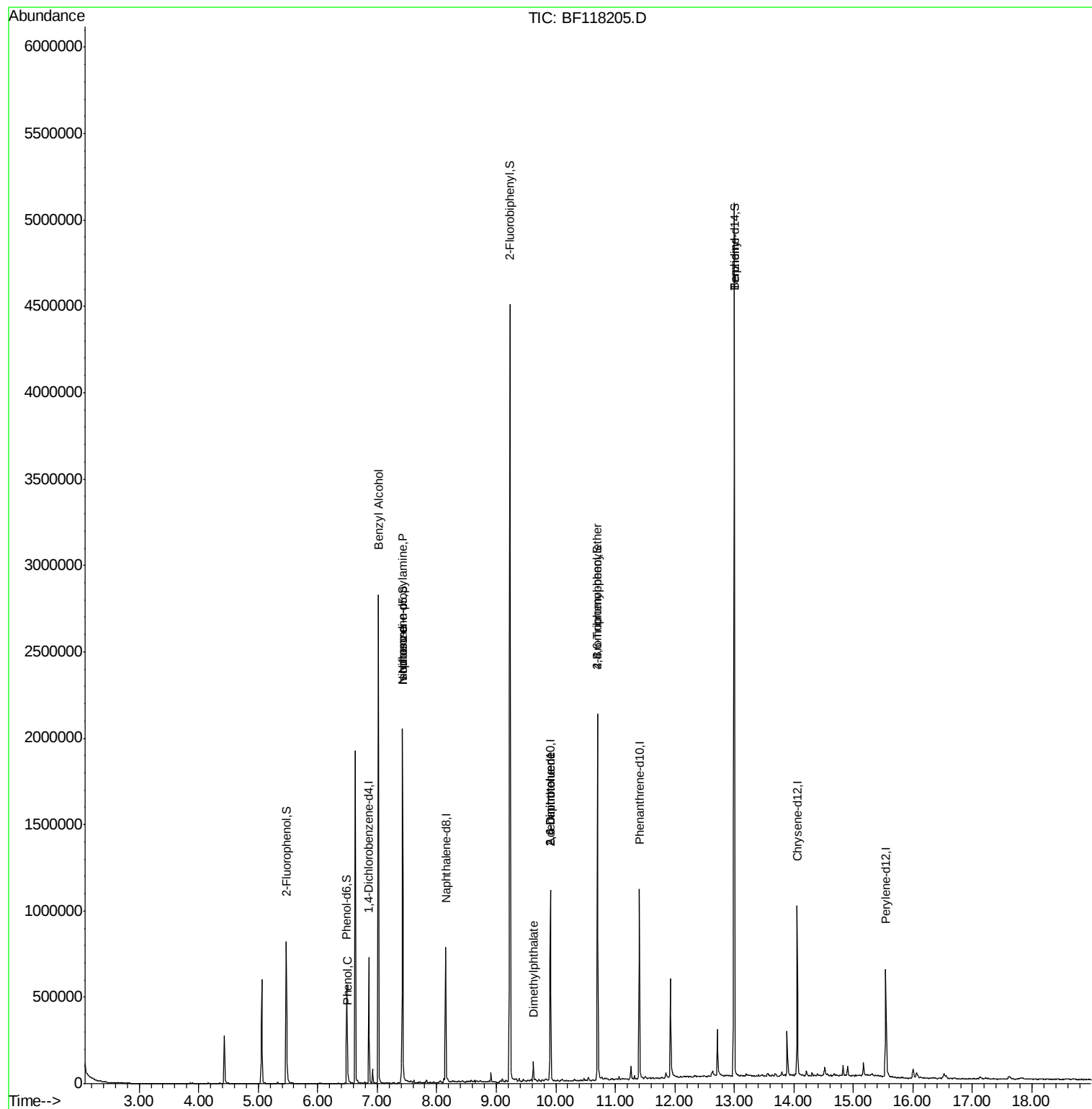
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	103813	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	391231	20.00	ng	0.00
39) Acenaphthene-d10	9.91	164	207190	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	394025	20.00	ng	0.00
76) Chrysene-d12	14.06	240	303634	20.00	ng	-0.01
87) Perylene-d12	15.54	264	296461	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	265171	44.74	ng	0.00
7) Phenol-d6	6.49	99	200847	28.02	ng	-0.01
23) Nitrobenzene-d5	7.43	82	639841	92.01	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	256674	101.98	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	1325702	97.36	ng	-0.01
79) Terphenyl-d14	13.00	244	1658757	93.94	ng	0.00
Target Compounds						
9) Benzaldehyde	6.63	77	11601	Below Cal	Qvalue	# 78
10) Phenol	6.50	94	17184	2.102 ng		89
15) Benzyl Alcohol	7.02	79	11315	2.022 ng	#	50
19) n-Nitroso-di-n-propylamine	7.43	70	88074	20.217 ng	#	77
25) Isophorone	7.43	82	631551	53.571 ng	#	62
50) Dimethylphthalate	9.62	163	46416	3.033 ng		98
51) 2,6-Dinitrotoluene	9.91	165	26319	7.909 ng	#	27
57) 2,4-Dinitrotoluene	9.91	165	26319	5.925 ng	#	25
67) 4-Bromophenyl-phenylether	10.70	248	16077	3.574 ng	#	1
77) Benzidine	13.00	184	23623	2.955 ng	#	95

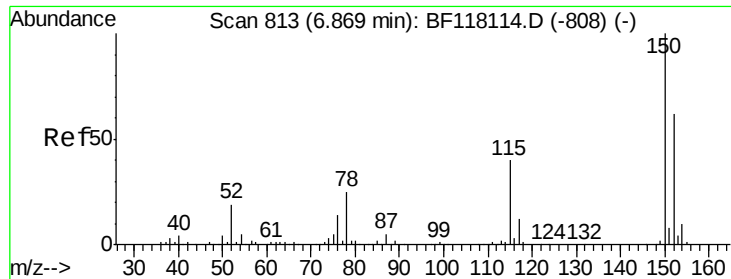
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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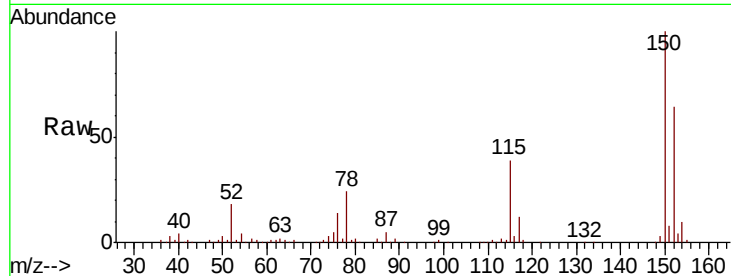


#1

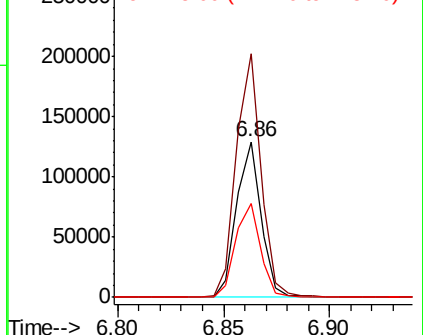
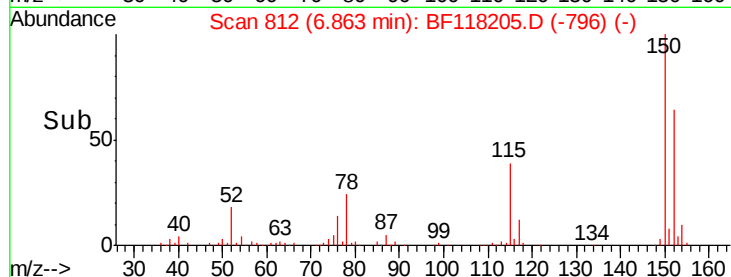
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF118205.D
Acq: 16 Dec 2019 19:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 103813
Ion Ratio Lower Upper
152 100
150 156.6 128.3 192.5
115 60.5 51.1 76.7



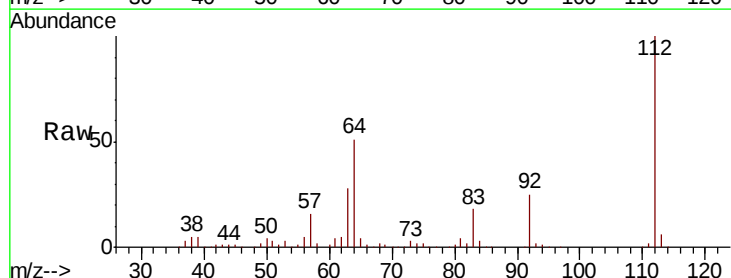
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



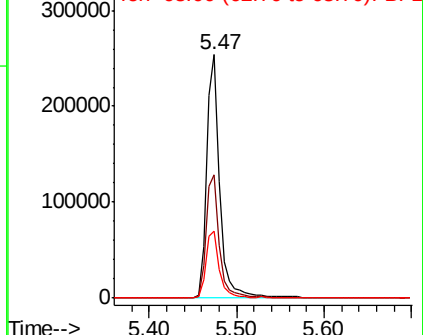
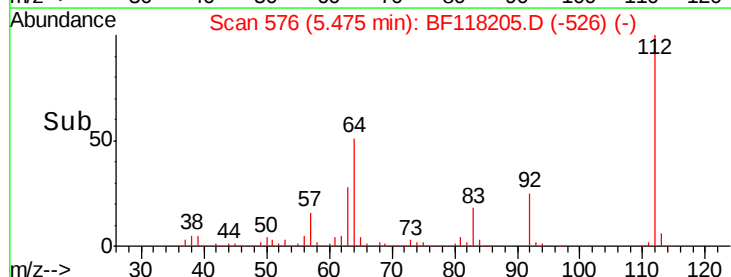
#5

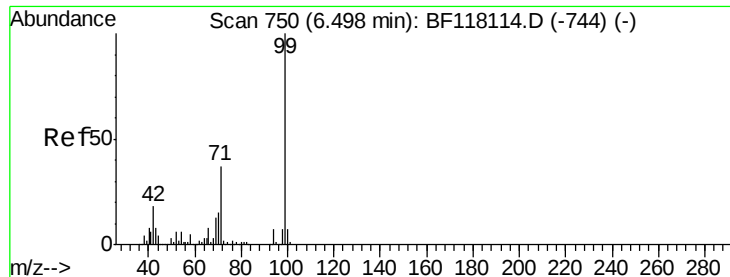
2-Fluorophenol
Concen: 44.738 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF118205.D
Acq: 16 Dec 2019 19:19

Tgt Ion:112 Resp: 265171
Ion Ratio Lower Upper
112 100
64 50.7 41.3 61.9
63 27.6 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: 28.016 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF118205.D

Acq: 16 Dec 2019 19:19

Instrument :

BNA_F

ClientSampleId :

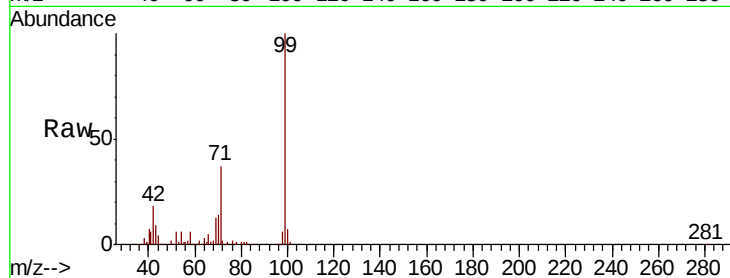
Tot Ion: 99 Resp: 200847

Ion Ratio Lower Upper

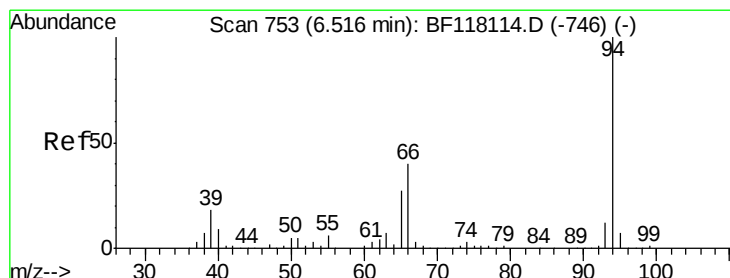
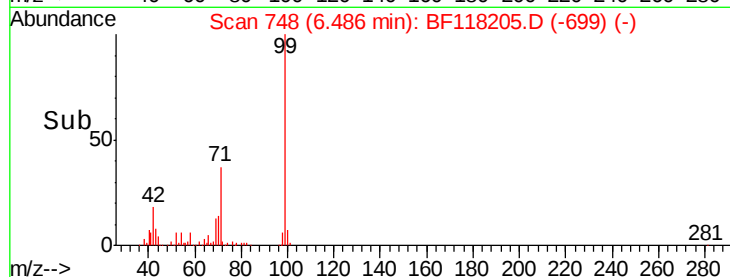
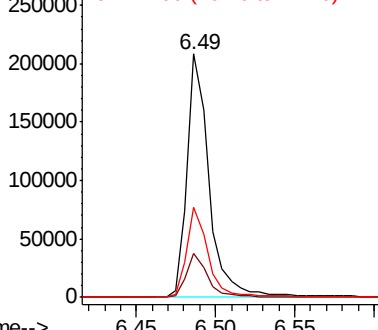
99 100

42 18.0 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



#10

Phenol

Concen: 2.102 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF118205.D

Acq: 16 Dec 2019 19:19

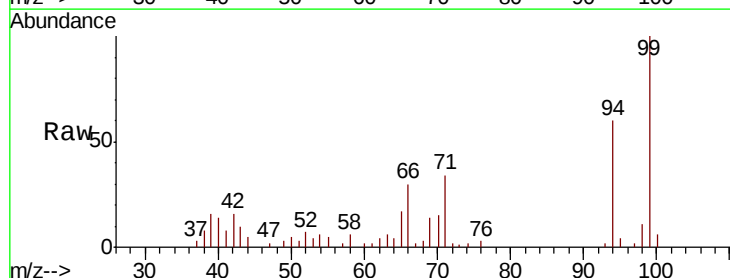
Tgt Ion: 94 Resp: 17184

Ion Ratio Lower Upper

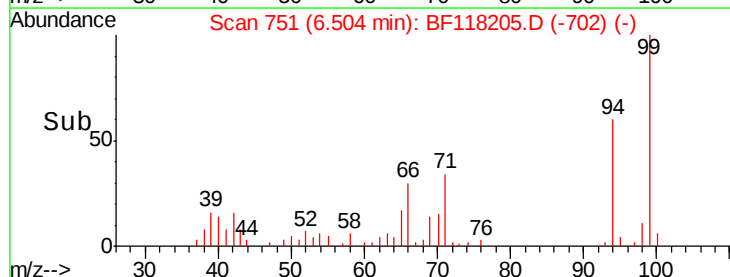
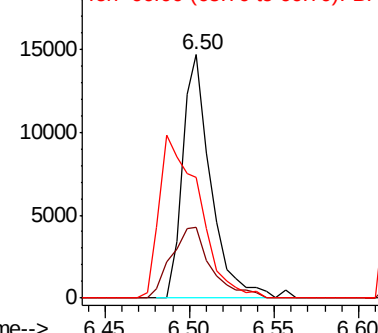
94 100

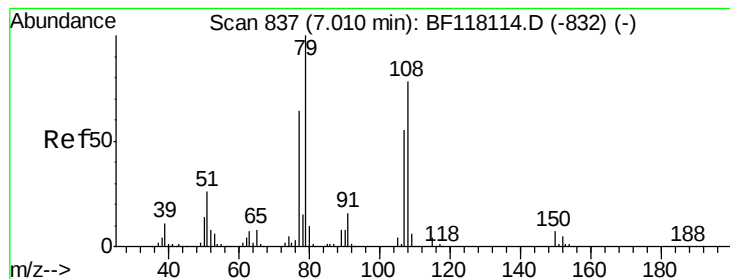
65 29.1 7.3 47.3

66 49.9 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





#15

Benzyl Alcohol

Concen: 2.022 ng

RT: 7.02 min Scan# 839

Delta R.T. 0.01 min

Lab File: BF118205.D

Acq: 16 Dec 2019 19:19

Instrument :

BNA_F

ClientSampleId :

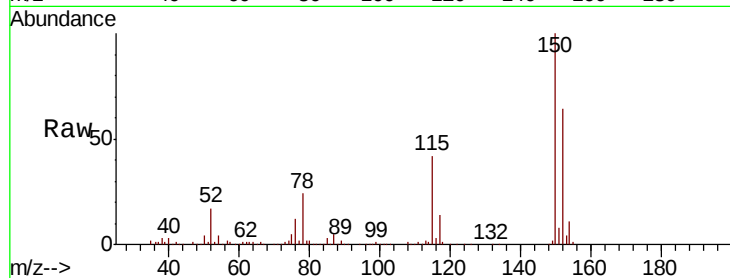
Tot Ion: 79 Resp: 11315

Ion Ratio Lower Upper

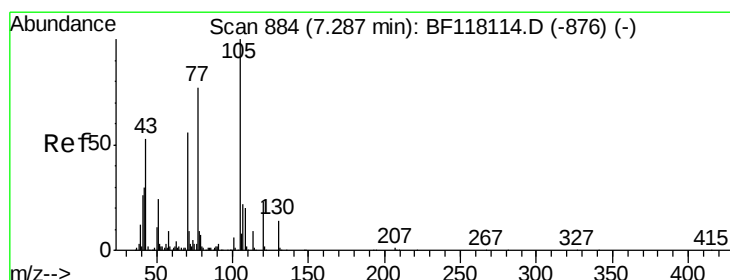
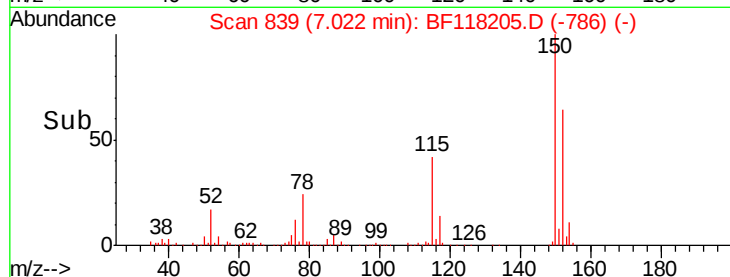
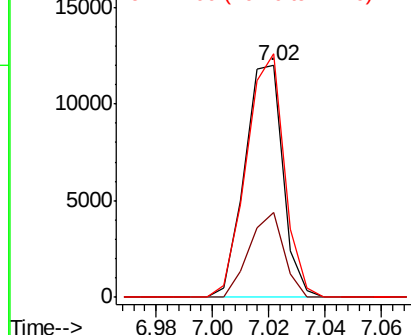
79 100

108 36.9 62.7 94.1#

77 105.1 51.4 77.2#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 20.217 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.14 min

Lab File: BF118205.D

Acq: 16 Dec 2019 19:19

Tgt Ion: 70 Resp: 88074

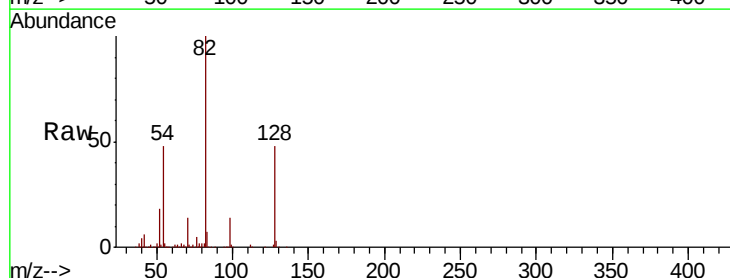
Ion Ratio Lower Upper

70 100

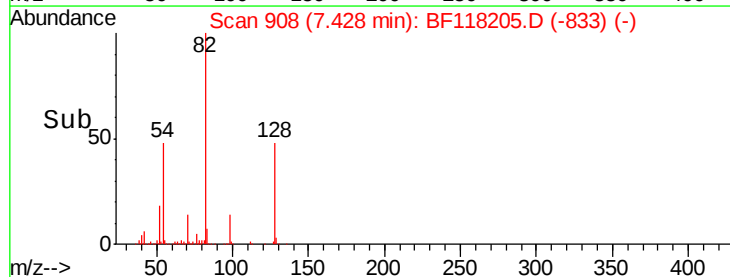
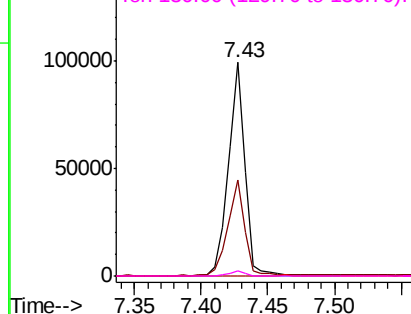
42 44.8 43.2 64.8

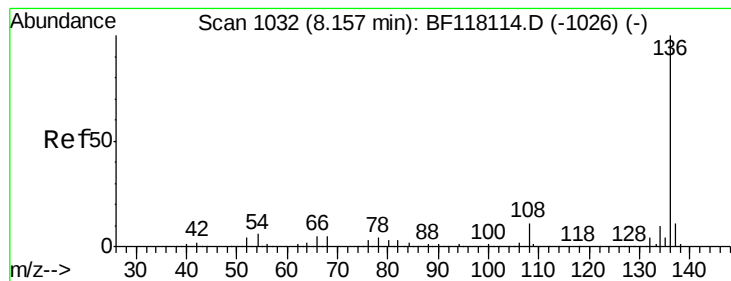
101 0.0 8.1 12.1#

130 2.3 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: BF118205.D

Acq: 16 Dec 2019 19:19

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 391231

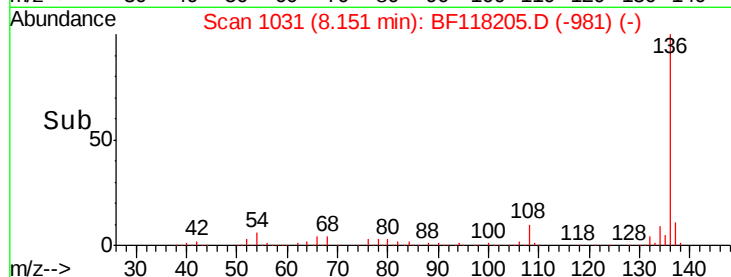
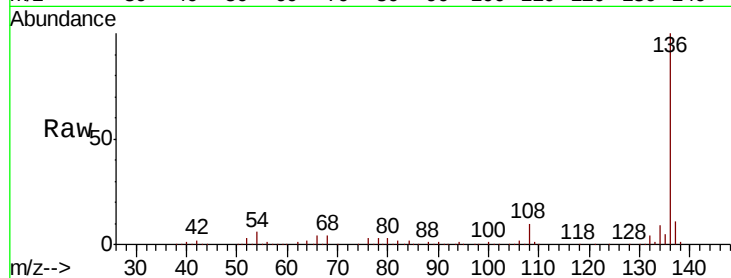
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.6

54 5.6 5.0 7.6

68 4.4 3.8 5.8

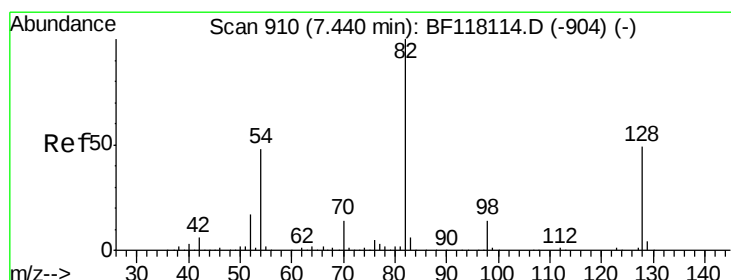
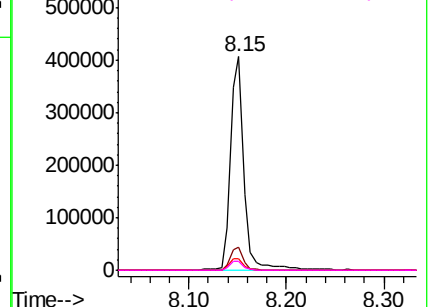


Abundance Ion 136.00 (135.70 to 136.70): E

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: 92.007 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF118205.D

Acq: 16 Dec 2019 19:19

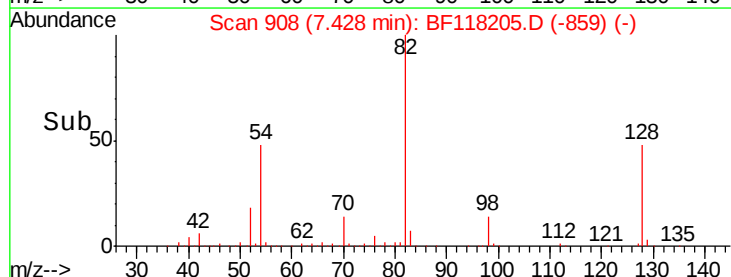
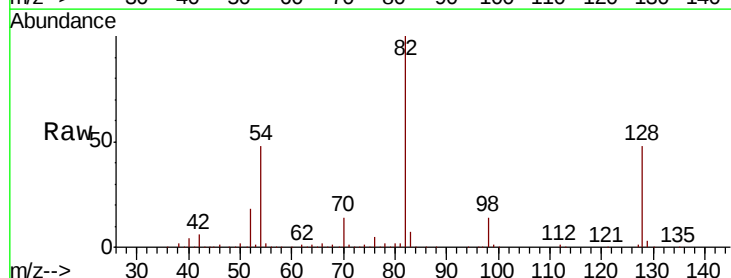
Tgt Ion: 82 Resp: 639841

Ion Ratio Lower Upper

82 100

128 48.1 39.1 58.7

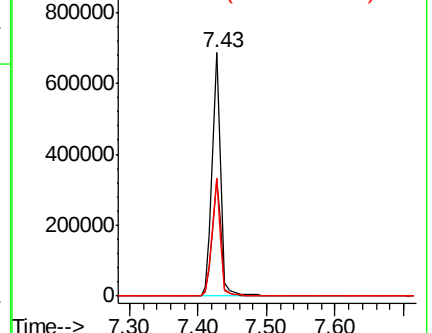
54 48.4 38.2 57.2

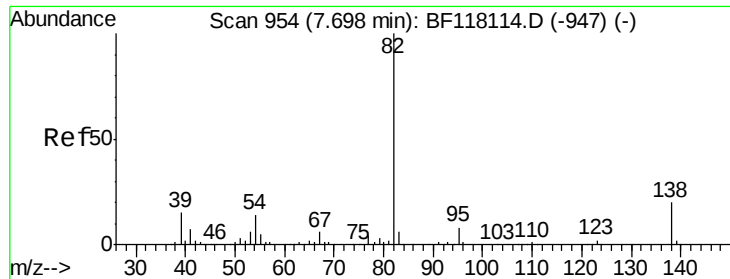


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 53.571 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.27 min

Lab File: BF118205.D

Acq: 16 Dec 2019 19:19

Instrument :

BNA_F

ClientSampled :

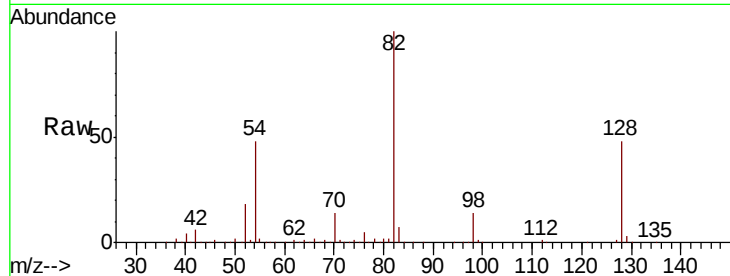
Tot Ion: 82 Resp: 631551

Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

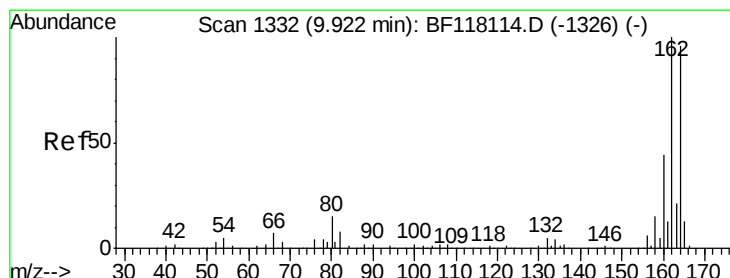
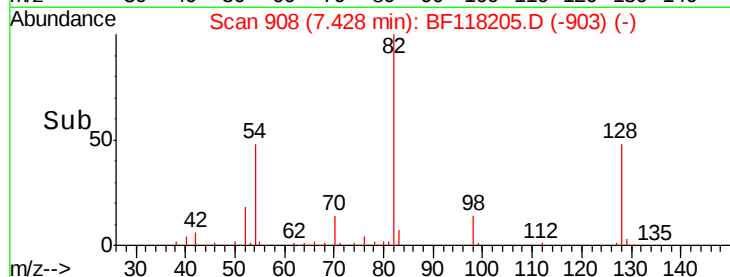
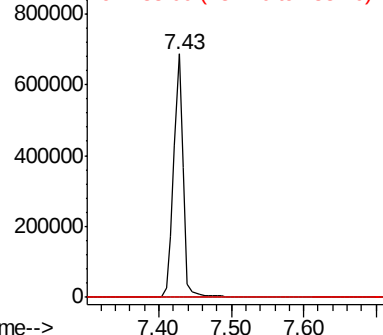
138 0.0 16.3 24.5#



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: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF118205.D

Acq: 16 Dec 2019 19:19

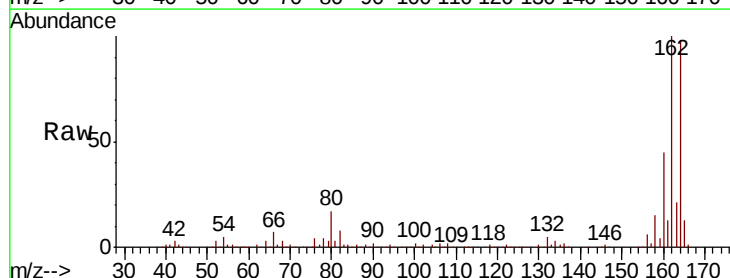
Tgt Ion: 164 Resp: 207190

Ion Ratio Lower Upper

164 100

162 102.3 83.4 125.0

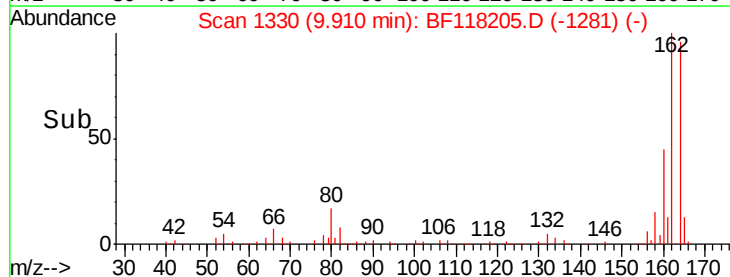
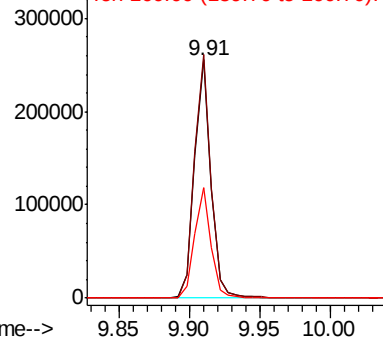
160 46.2 36.6 54.8

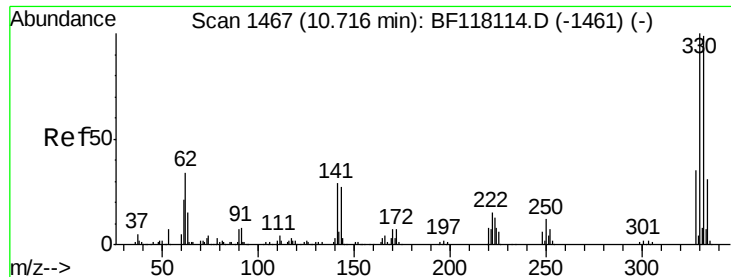


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 101.977 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BF118205.D

Acq: 16 Dec 2019 19:19

Instrument :

BNA_F

ClientSampleId :

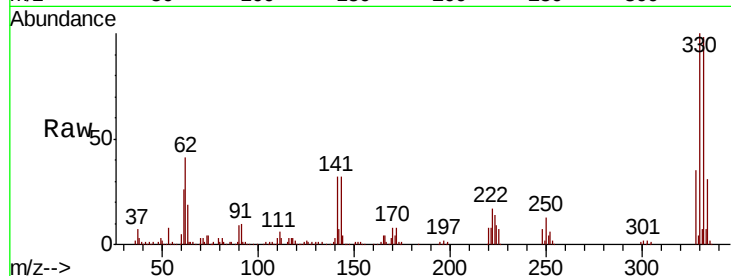
Tot Ion:330 Resp: 256674

Ion Ratio Lower Upper

330 100

332 97.8 78.1 117.1

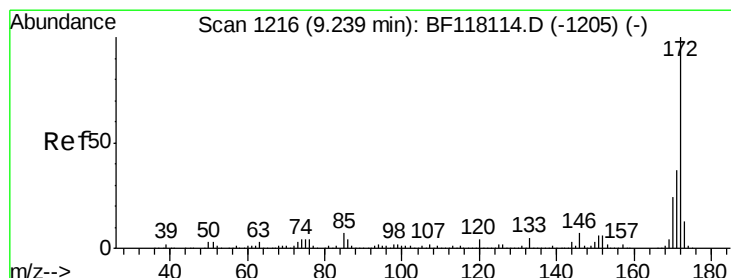
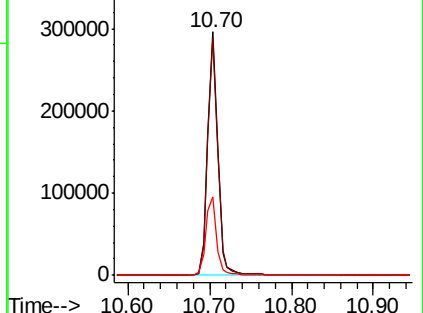
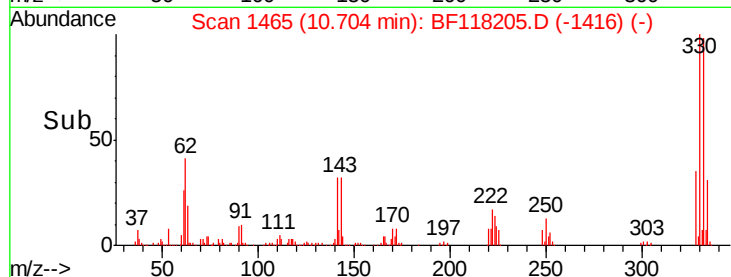
141 34.1 26.9 40.3



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: 97.362 ng

RT: 9.23 min Scan# 1214

Delta R.T. -0.01 min

Lab File: BF118205.D

Acq: 16 Dec 2019 19:19

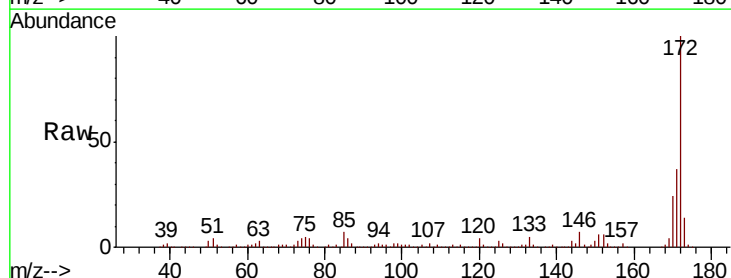
Tgt Ion:172 Resp: 1325702

Ion Ratio Lower Upper

172 100

171 36.9 29.2 43.8

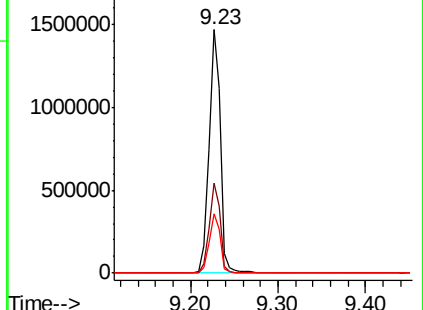
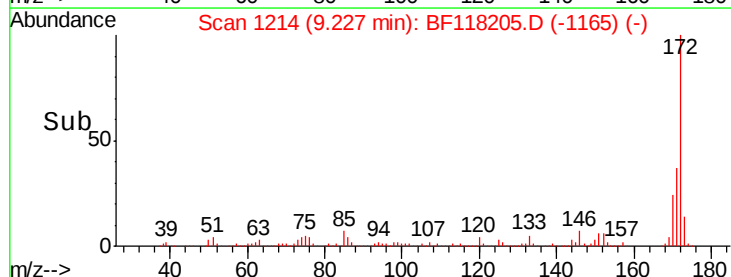
170 24.2 19.4 29.2

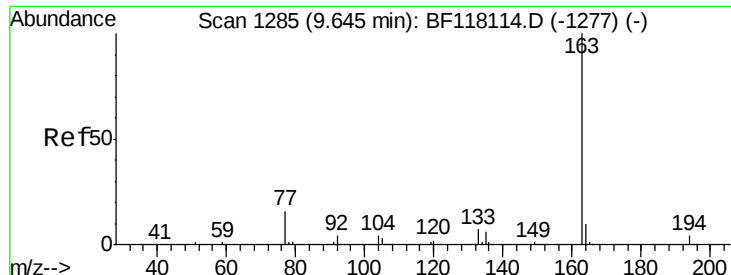


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 3.033 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BF118205.D

Acq: 16 Dec 2019 19:19

Instrument :

BNA_F

ClientSampleId :

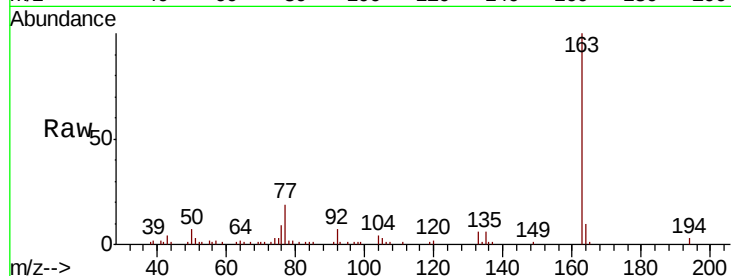
Tot Ion:163 Resp: 46416

Ion Ratio Lower Upper

163 100

194 3.5 3.1 4.7

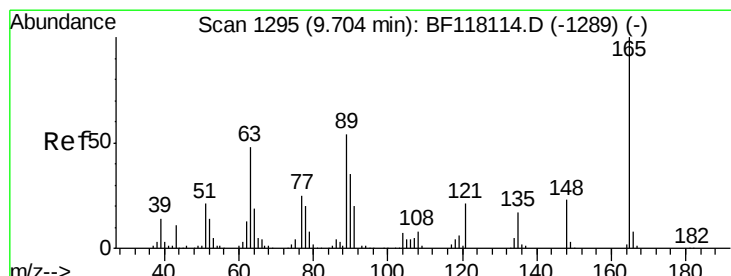
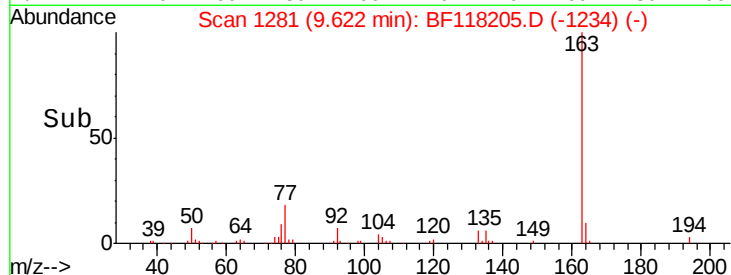
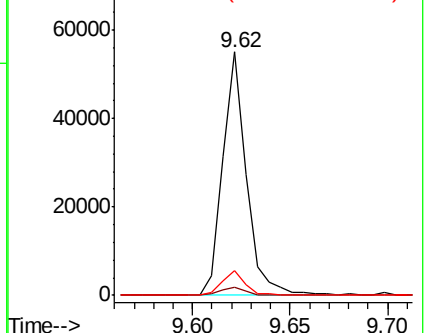
164 10.4 7.7 11.5



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: 7.909 ng

RT: 9.91 min Scan# 1330

Delta R.T. 0.21 min

Lab File: BF118205.D

Acq: 16 Dec 2019 19:19

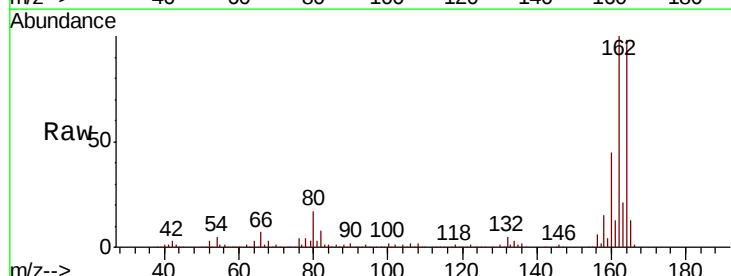
Tgt Ion:165 Resp: 26319

Ion Ratio Lower Upper

165 100

63 1.3 41.4 62.0#

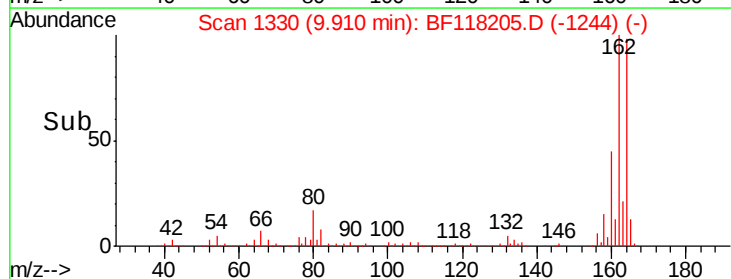
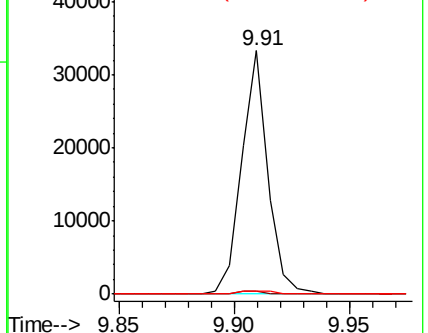
89 1.1 42.9 64.3#

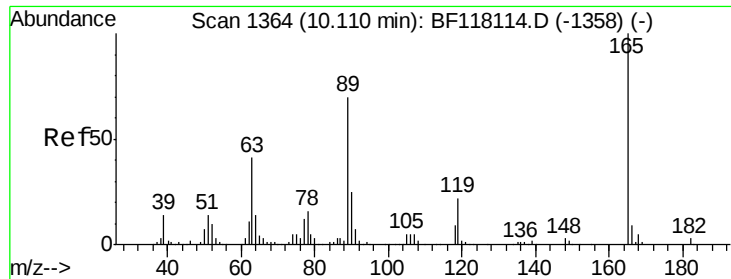


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

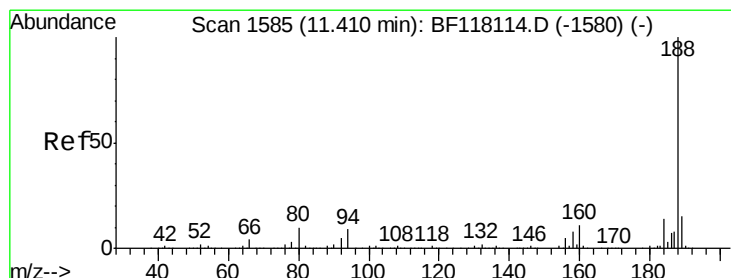
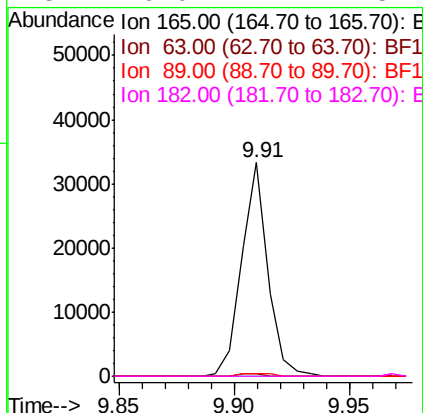
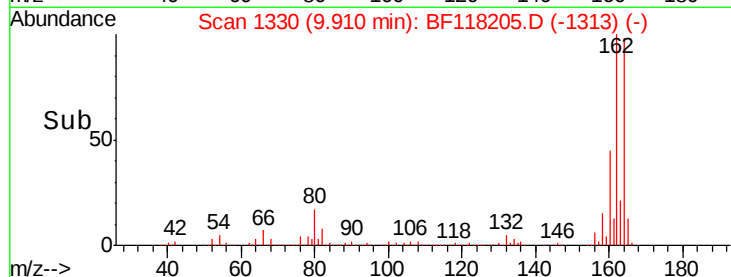
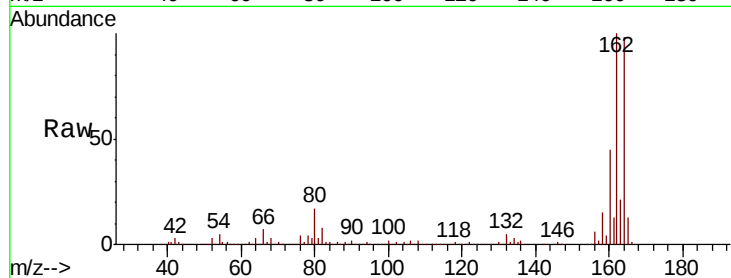




#57
 2,4-Dinitrotoluene
 Concen: 5.925 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.20 min
 Lab File: BF118205.D
 Acq: 16 Dec 2019 19:19

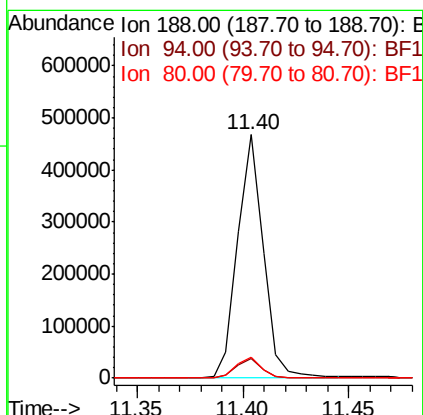
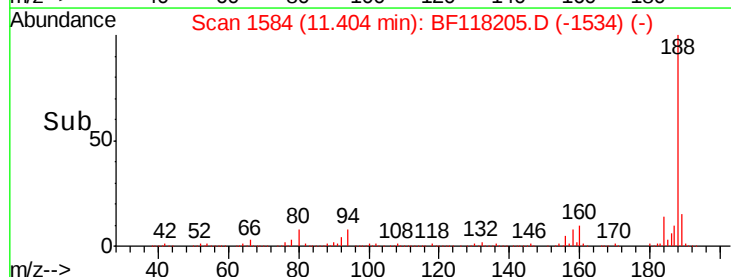
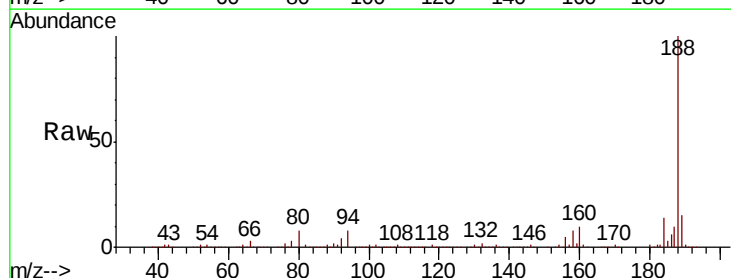
Instrument :
 BNA_F
 ClientSampleId :

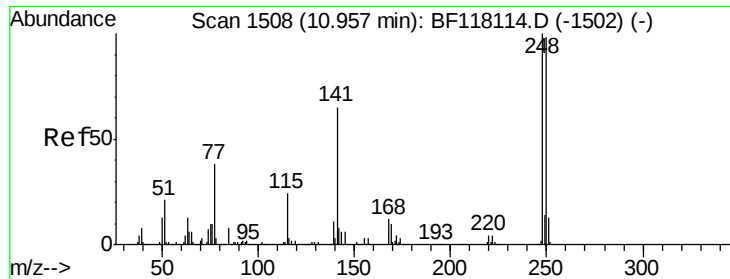
Tot Ion:165	Resp:	26319
Ion Ratio	Lower	Upper
165	100	
63	1.3	32.6 49.0#
89	1.1	56.1 84.1#
182	0.0	2.1 3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF118205.D
 Acq: 16 Dec 2019 19:19

Tgt Ion:188	Resp:	394025
Ion Ratio	Lower	Upper
188	100	
94	7.9	7.1 10.7
80	8.4	7.9 11.9

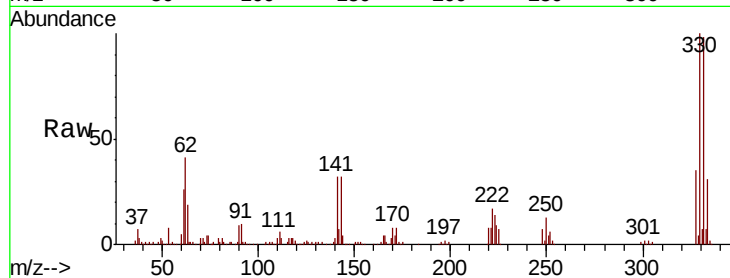




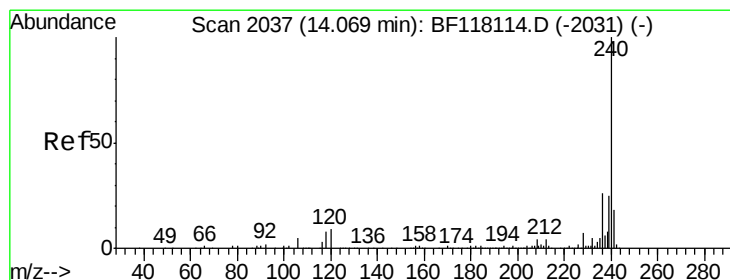
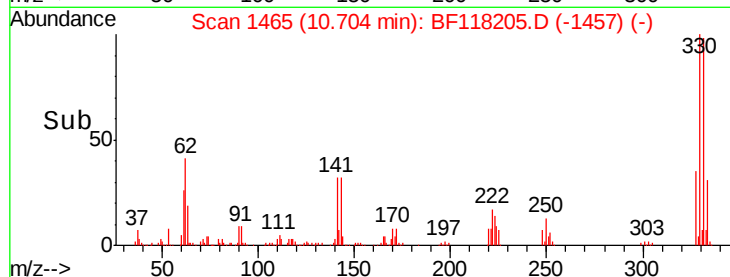
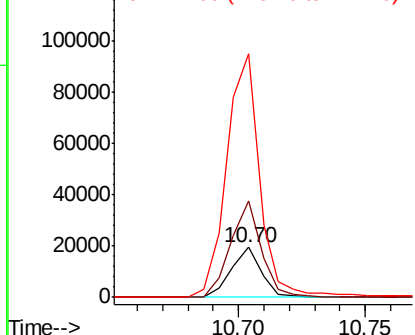
#67
4-Bromophenyl-phenylether
Concen: 3.574 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.25 min
Lab File: BF118205.D
Acq: 16 Dec 2019 19:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 16077
Ion Ratio Lower Upper
248 100
250 193.3 78.3 117.5#
141 485.8 52.2 78.4#

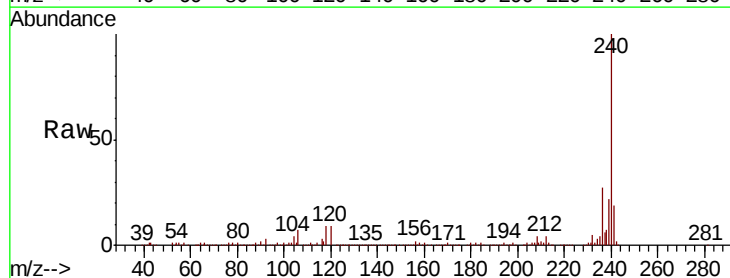


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

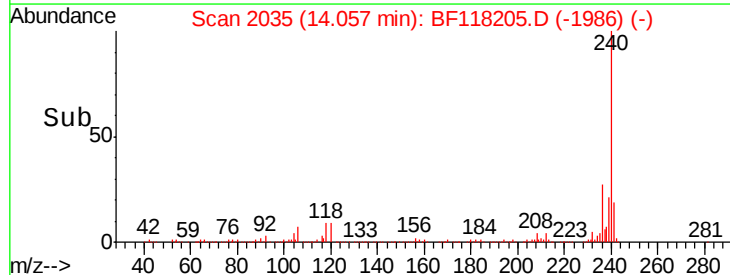
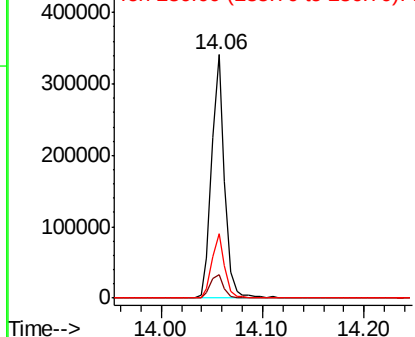


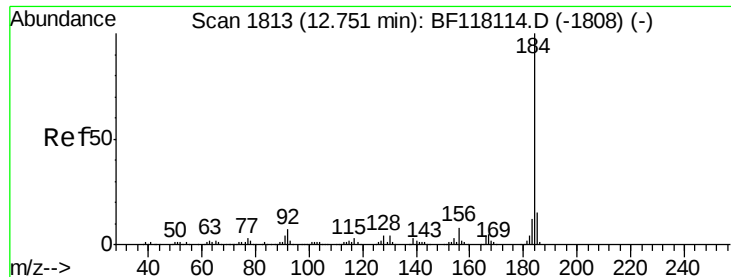
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF118205.D
Acq: 16 Dec 2019 19:19

Tgt Ion:240 Resp: 303634
Ion Ratio Lower Upper
240 100
120 9.5 7.1 10.7
236 26.7 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: 2.955 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.25 min

Lab File: BF118205.D

Acq: 16 Dec 2019 19:19

Instrument :

BNA_F

ClientSampleId :

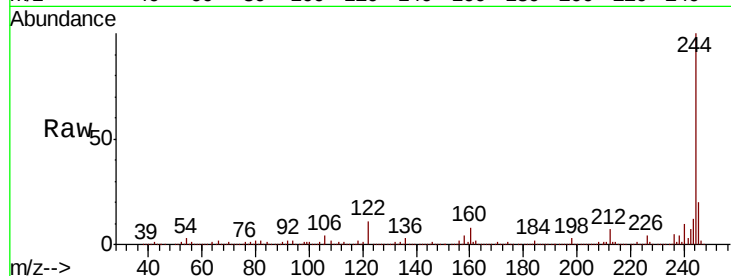
Tot Ion:184 Resp: 23623

Ion Ratio Lower Upper

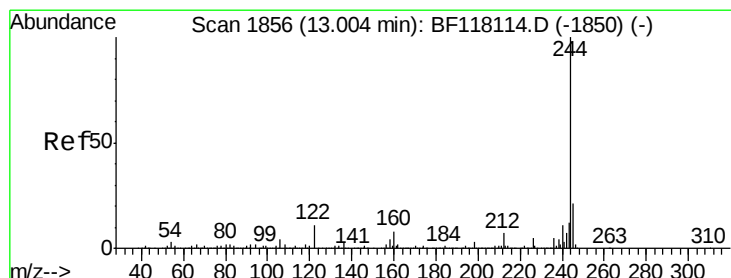
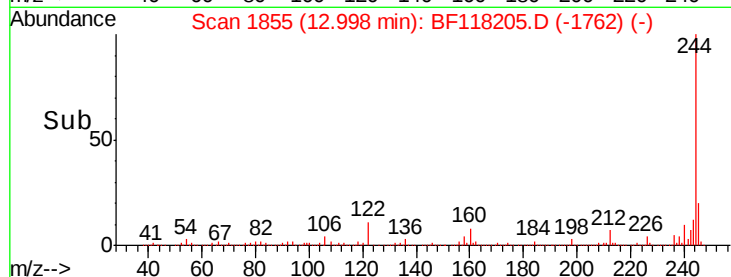
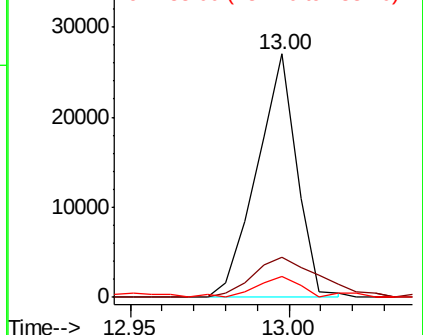
184 100

185 16.3 12.3 18.5

183 8.7 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: 93.943 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF118205.D

Acq: 16 Dec 2019 19:19

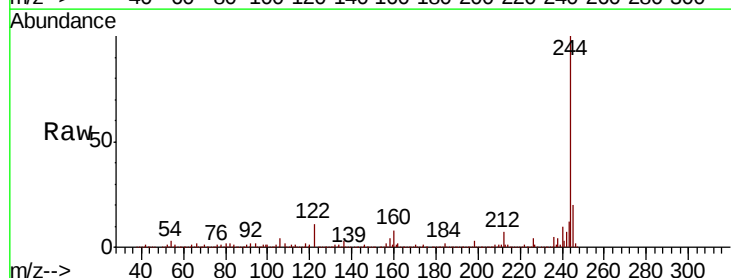
Tgt Ion:244 Resp: 1658757

Ion Ratio Lower Upper

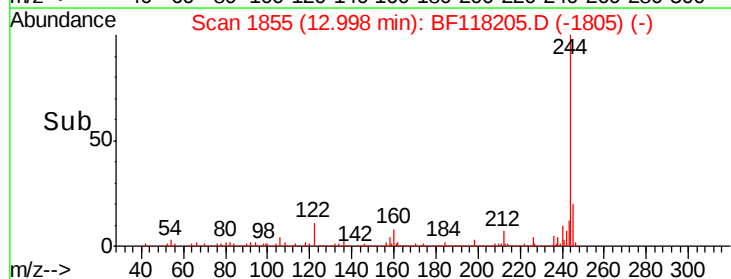
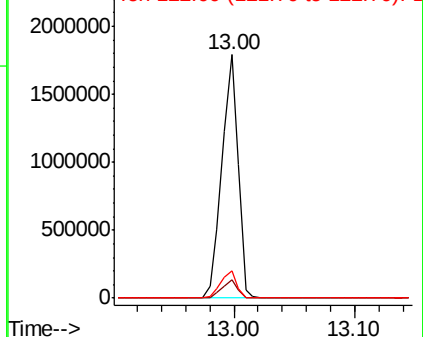
244 100

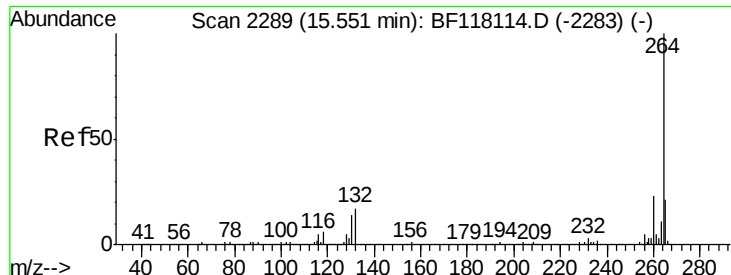
212 7.3 5.9 8.9

122 11.4 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: BF118205.D
Acq: 16 Dec 2019 19:19

Instrument :
BNA_F
ClientSampleId :

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

