

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121619\
 Data File : BF118223.D
 Acq On : 17 Dec 2019 3:42
 Operator : JU
 Sample : K6267-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 17 04:42:29 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

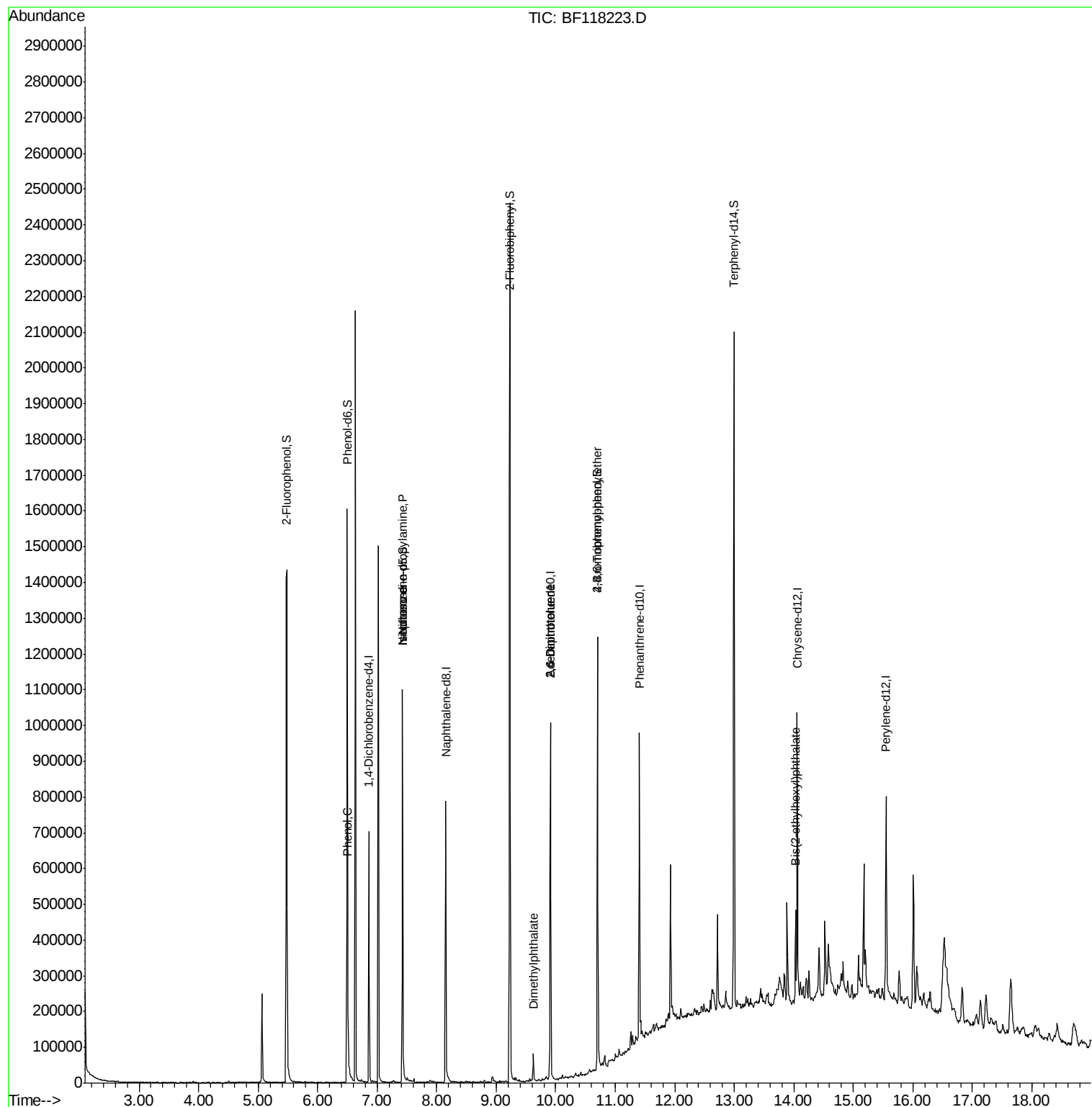
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	98348	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	374732	20.00	ng	0.00
39) Acenaphthene-d10	9.91	164	184886	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	283695	20.00	ng	0.00
76) Chrysene-d12	14.06	240	243009	20.00	ng	-0.01
87) Perylene-d12	15.55	264	243863	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	458553	81.66	ng	0.00
7) Phenol-d6	6.50	99	570248	83.96	ng	0.00
23) Nitrobenzene-d5	7.43	82	341747	51.31	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	158700	70.66	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	698365	57.48	ng	-0.01
79) Terphenyl-d14	12.99	244	626783	44.35	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.42	77	555	Below Cal		90
10) Phenol	6.51	94	19613	2.532 ng		81
19) n-Nitroso-di-n-propylamine	7.43	70	45864	11.113 ng	#	74
25) Isophorone	7.43	82	341742	30.265 ng	#	62
50) Dimethylphthalate	9.62	163	28619	2.096 ng		99
51) 2,6-Dinitrotoluene	9.91	165	24757	8.337 ng	#	28
57) 2,4-Dinitrotoluene	9.91	165	24758	6.246 ng	#	26
67) 4-Bromophenyl-phenylether	10.70	248	9349	2.887 ng	#	1
84) Bis(2-ethylhexyl)phthalate	14.03	149	70312	6.148 ng		99

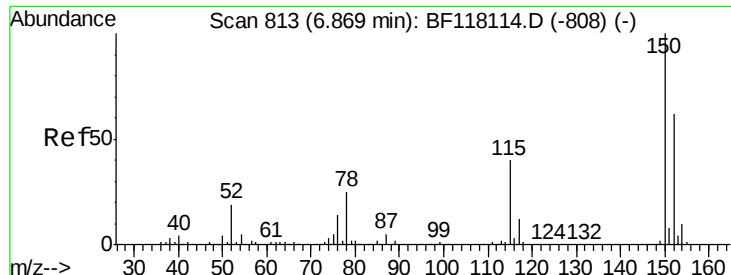
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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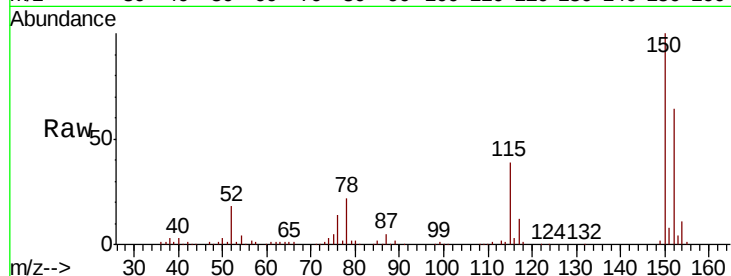


#1

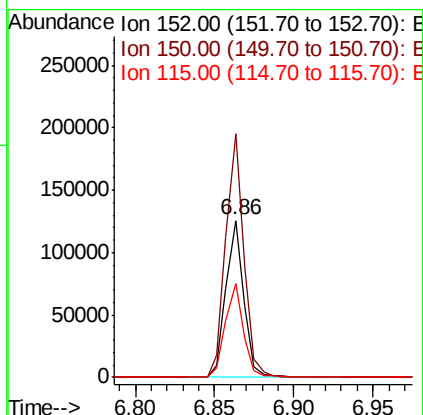
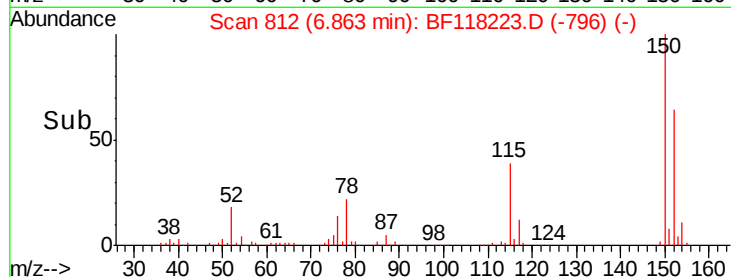
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF118223.D
 Acq: 17 Dec 2019 3:42

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 98348
 Ion Ratio Lower Upper
 152 100
 150 155.0 128.3 192.5
 115 59.7 51.1 76.7



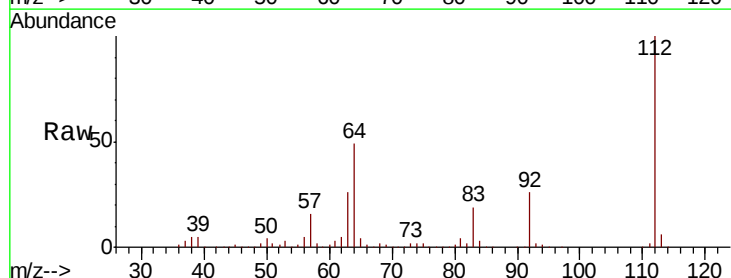
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



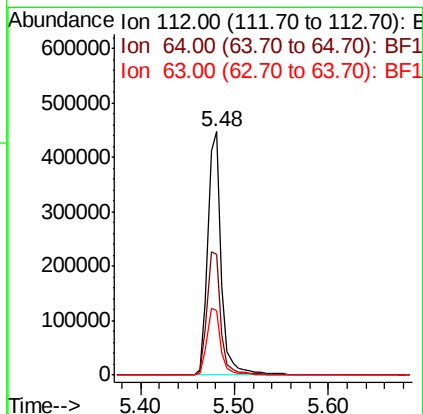
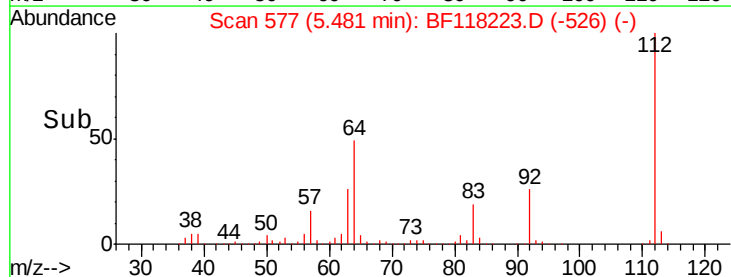
#5

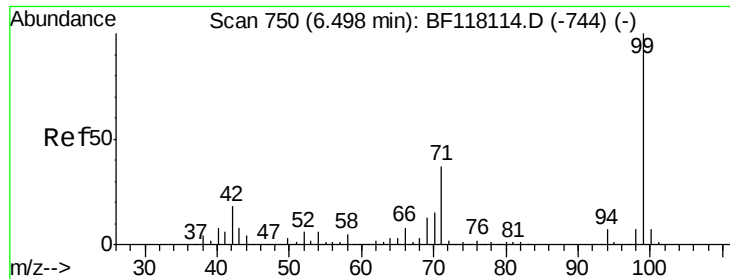
2-Fluorophenol
 Concen: 81.663 ng
 RT: 5.48 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: BF118223.D
 Acq: 17 Dec 2019 3:42

Tgt Ion:112 Resp: 458553
 Ion Ratio Lower Upper
 112 100
 64 49.5 41.3 61.9
 63 26.4 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: 83.962 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF118223.D

Acq: 17 Dec 2019 3:42

Instrument :

BNA_F

ClientSampleId :

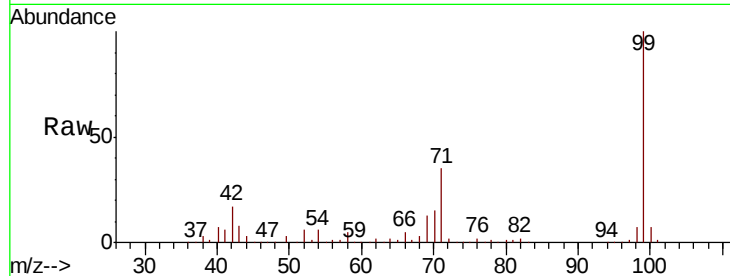
Tot Ion: 99 Resp: 570248

Ion Ratio Lower Upper

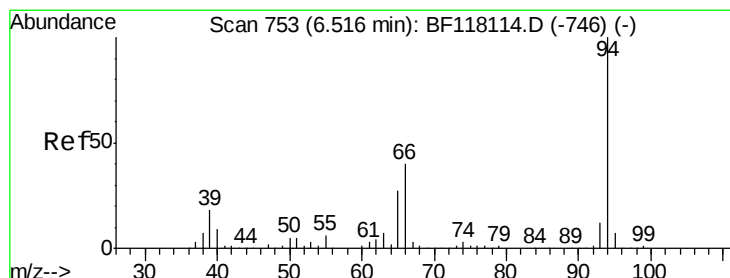
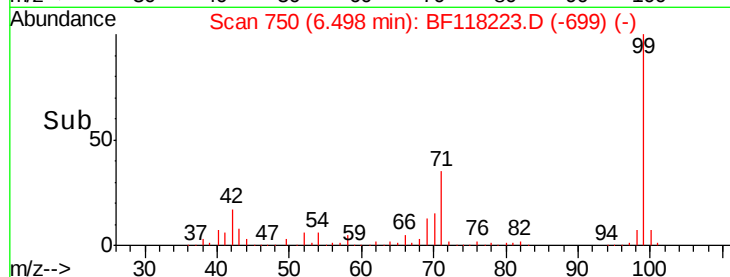
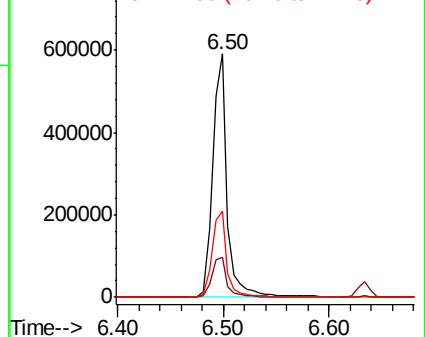
99 100

42 16.5 14.1 21.1

71 35.2 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: 2.532 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF118223.D

Acq: 17 Dec 2019 3:42

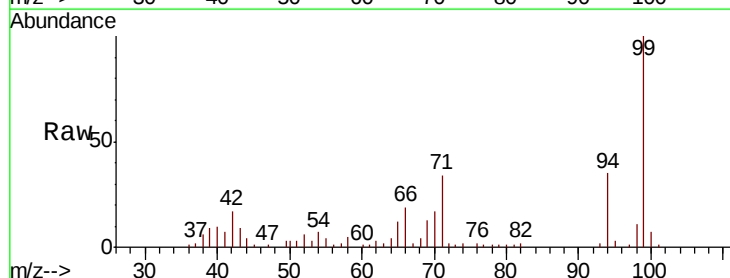
Tgt Ion: 94 Resp: 19613

Ion Ratio Lower Upper

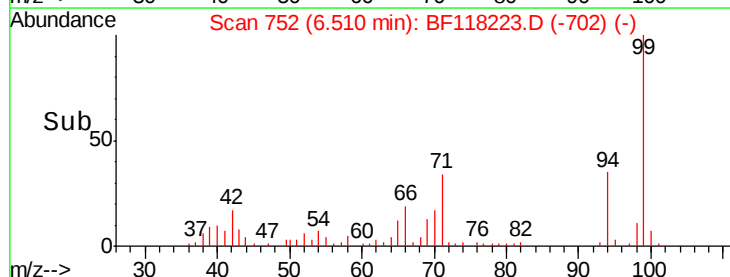
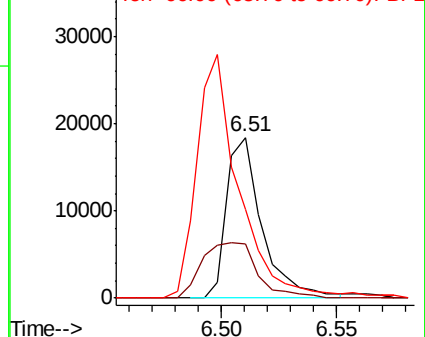
94 100

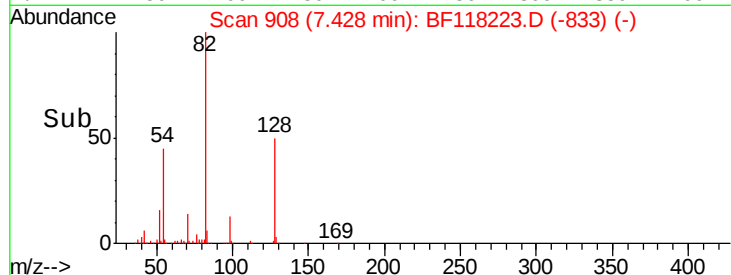
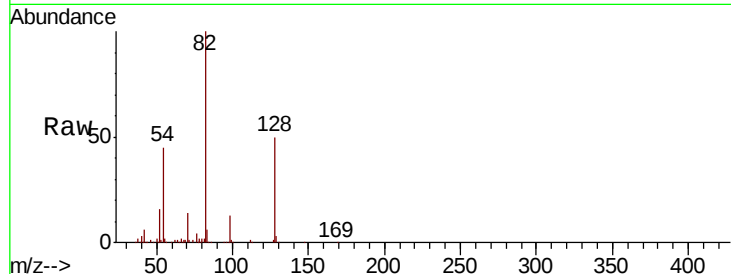
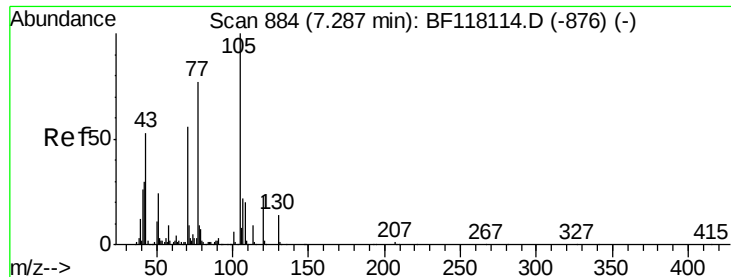
65 33.5 7.3 47.3

66 55.4 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

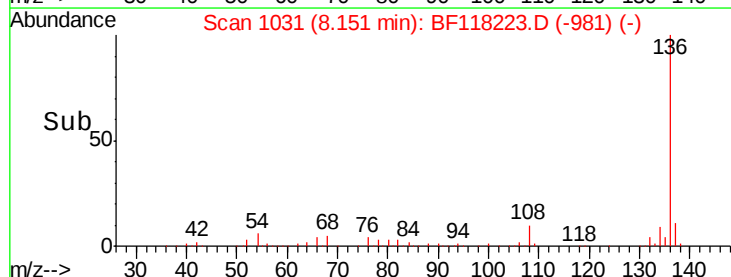
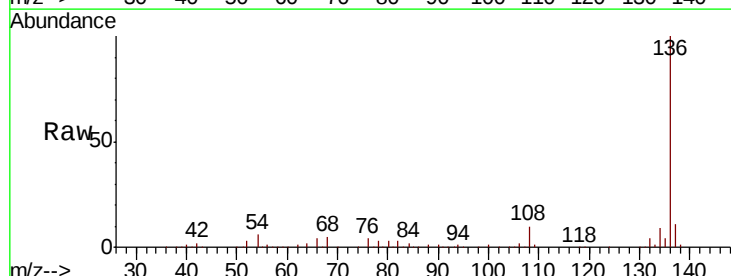
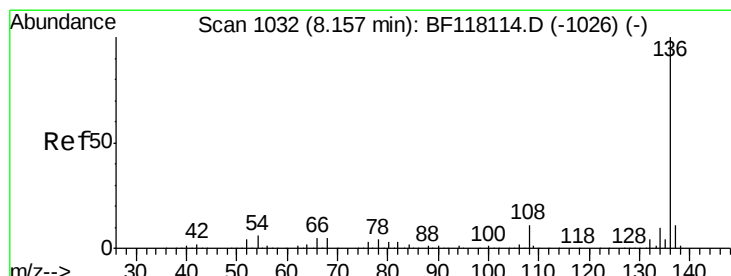
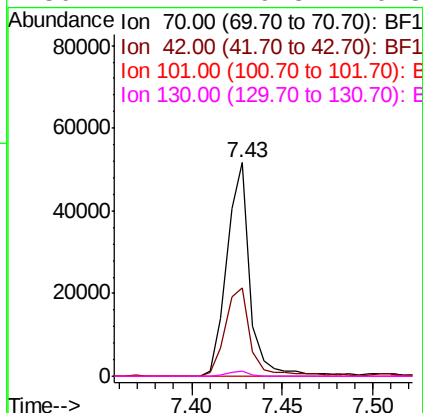




#19
n-Nitroso-di-n-propylamine
Concen: 11.113 ng
RT: 7.43 min Scan# 908
Delta R.T. 0.14 min
Lab File: BF118223.D
Acq: 17 Dec 2019 3:42

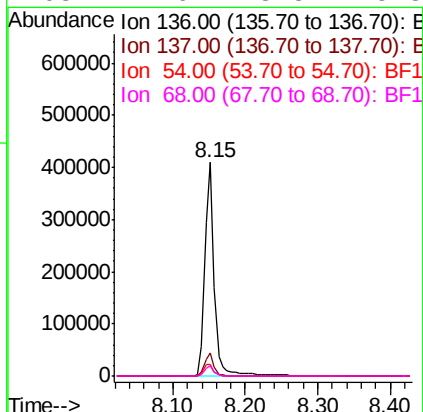
Instrument :
BNA_F
ClientSampleId :

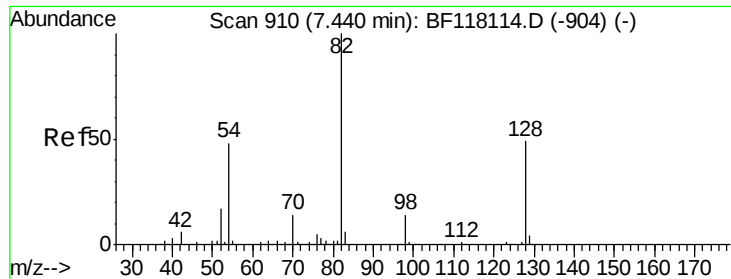
Tot Ion	Ratio	Lower	Upper
70	100		
42	41.4	43.2	64.8#
101	0.0	8.1	12.1#
130	2.4	19.8	29.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF118223.D
Acq: 17 Dec 2019 3:42

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.0	13.6
54	5.6	5.0	7.6
68	4.6	3.8	5.8

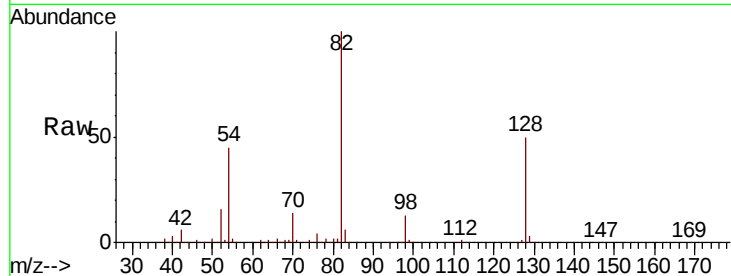




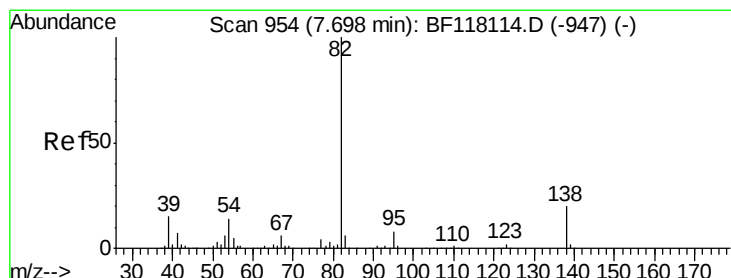
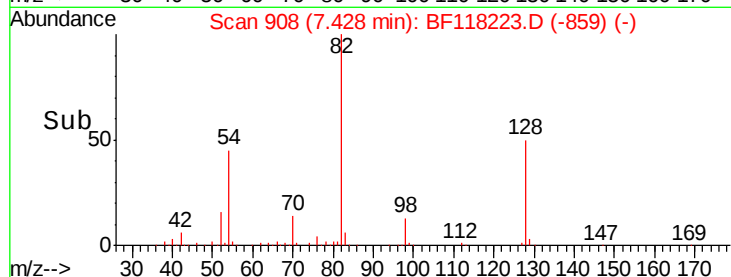
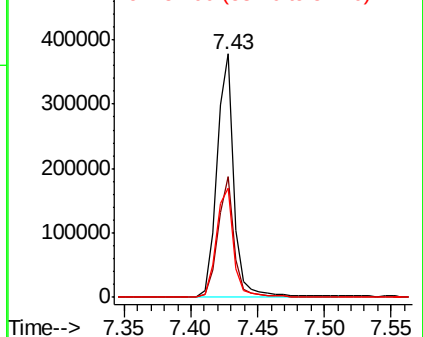
#23
 Nitrobenzene-d5
 Concen: 51.306 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF118223.D
 Acq: 17 Dec 2019 3:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	341747
Ion Ratio	Lower	Upper	
82	100		
128	49.7	39.1	58.7
54	44.9	38.2	57.2

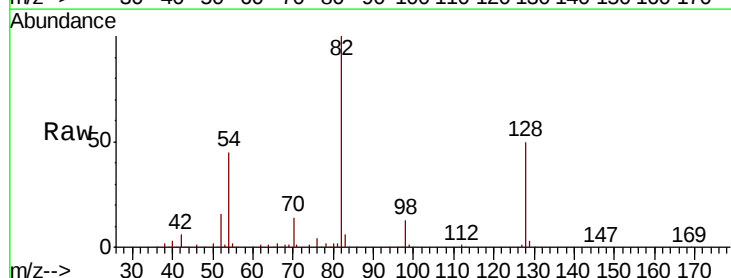


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

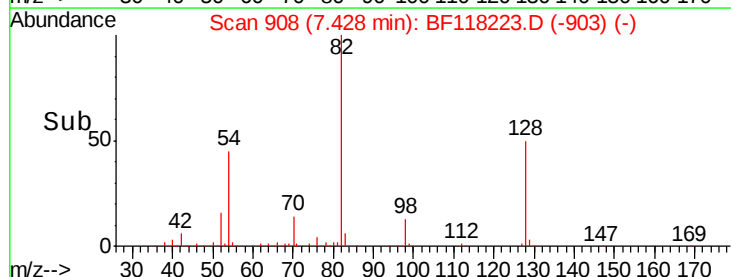
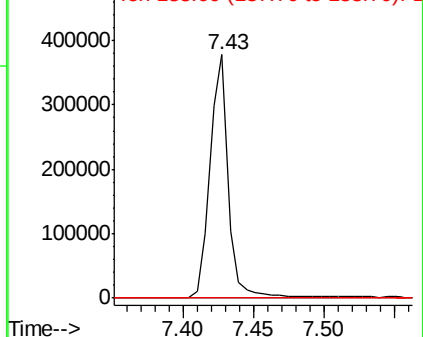


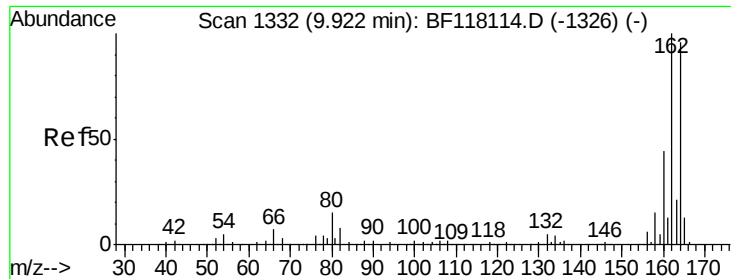
#25
 Isophorone
 Concen: 30.265 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.27 min
 Lab File: BF118223.D
 Acq: 17 Dec 2019 3:42

Tgt Ion	82	Resp	341742
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: BF118223.D

Acq: 17 Dec 2019 3:42

Instrument :

BNA_F

ClientSampleId :

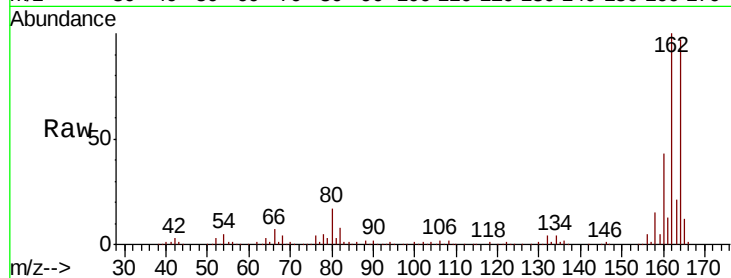
Tot Ion:164 Resp: 184886

Ion Ratio Lower Upper

164 100

162 102.6 83.4 125.0

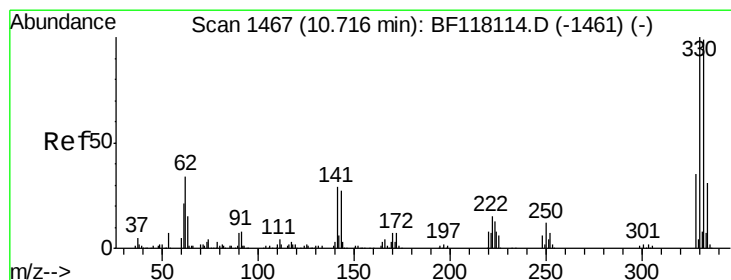
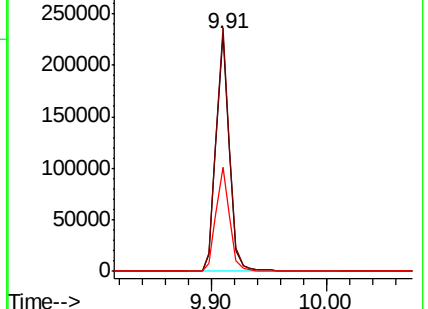
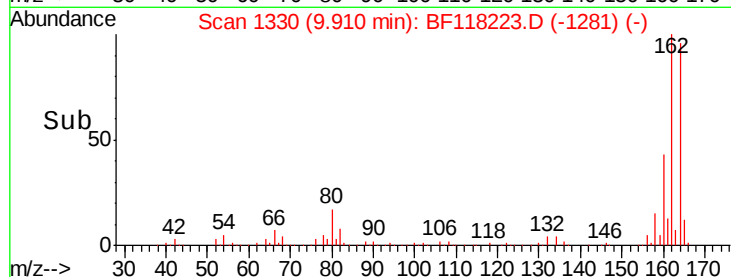
160 43.9 36.6 54.8



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: 70.658 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BF118223.D

Acq: 17 Dec 2019 3:42

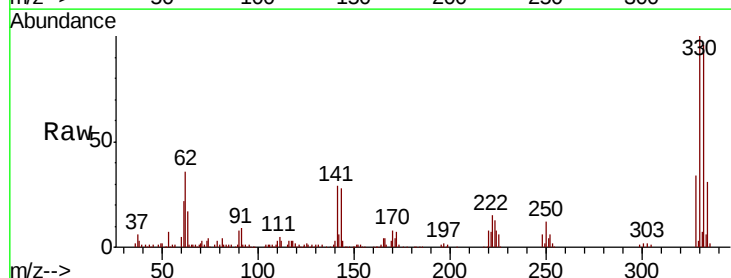
Tgt Ion:330 Resp: 158700

Ion Ratio Lower Upper

330 100

332 97.8 78.1 117.1

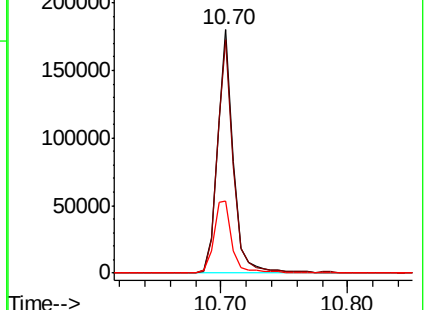
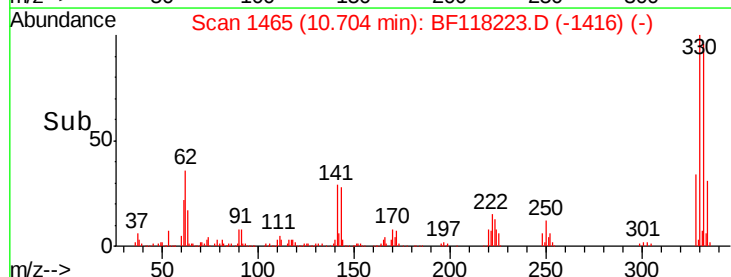
141 34.5 26.9 40.3

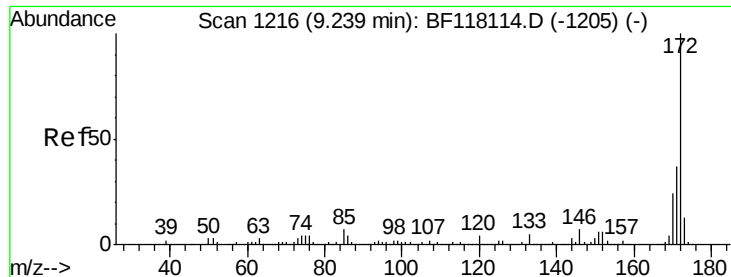


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

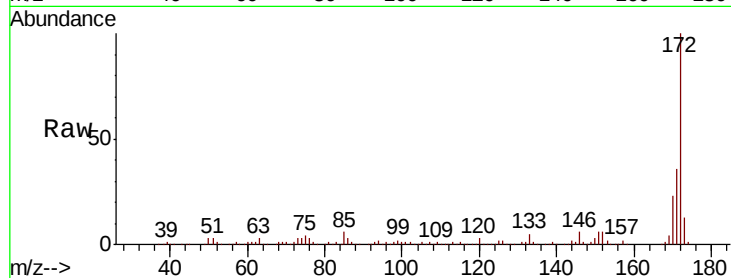




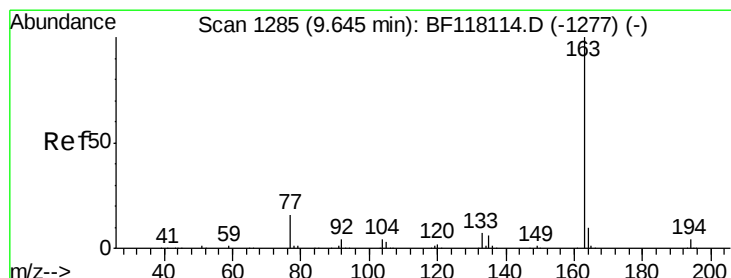
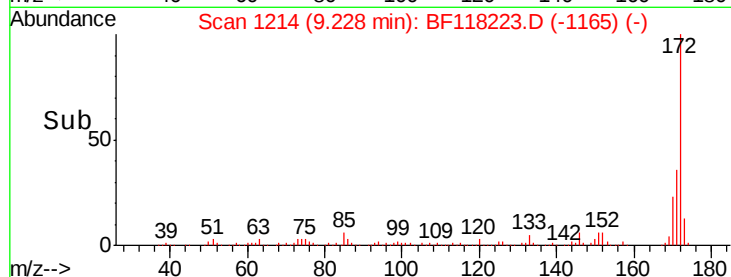
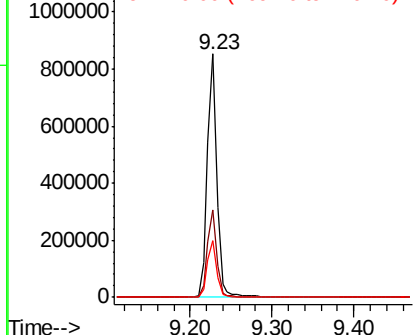
#45
2-Fluorobiphenyl
Concen: 57.477 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.01 min
Lab File: BF118223.D
Acq: 17 Dec 2019 3:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.2	43.8
170	23.3	19.4	29.2

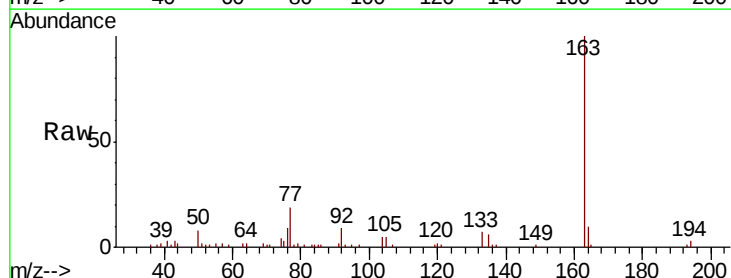


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

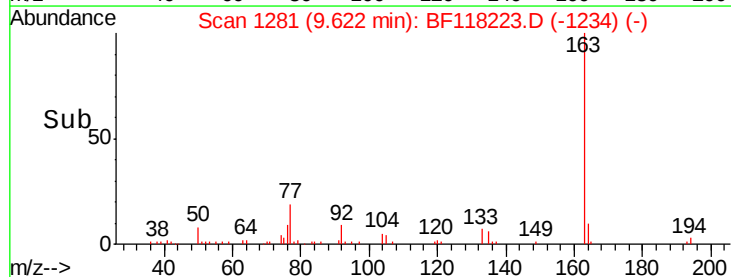
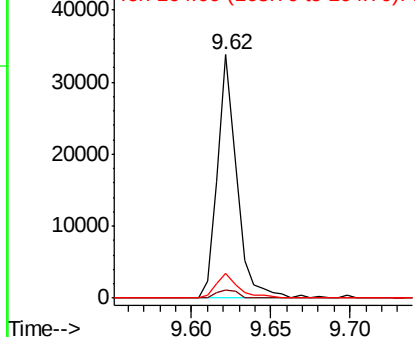


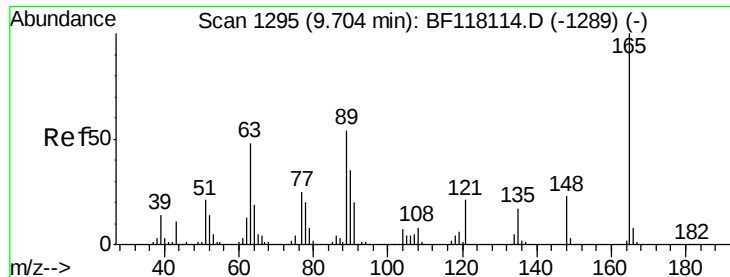
#50
Dimethylphthalate
Concen: 2.096 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF118223.D
Acq: 17 Dec 2019 3:42

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.1	4.7
164	9.9	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

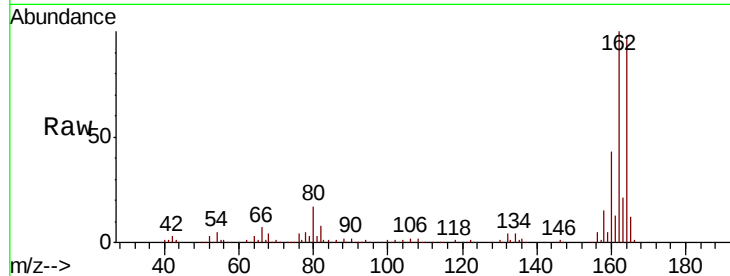




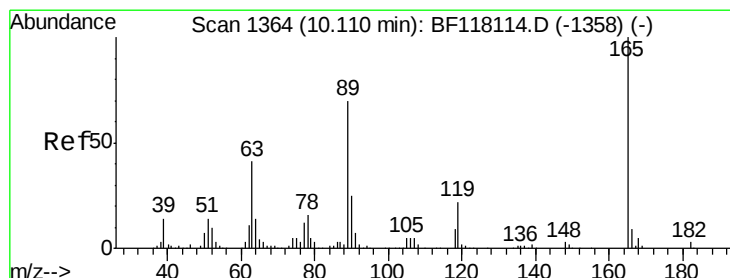
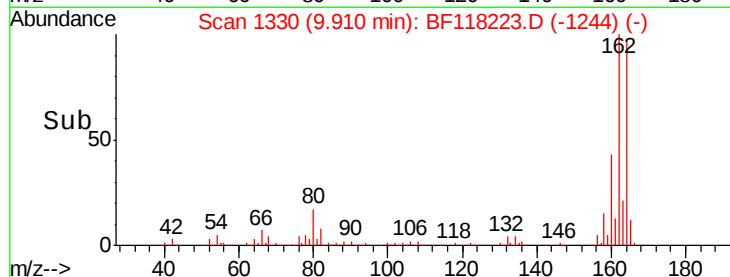
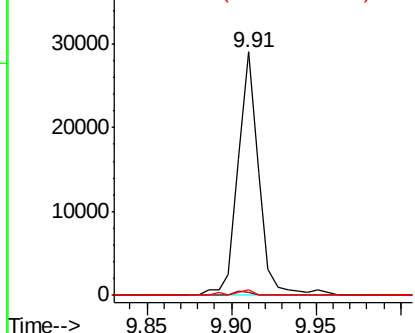
#51
 2,6-Dinitrotoluene
 Concen: 8.337 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. 0.21 min
 Lab File: BF118223.D
 Acq: 17 Dec 2019 3:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	41.4	62.0#
89	2.5	42.9	64.3#

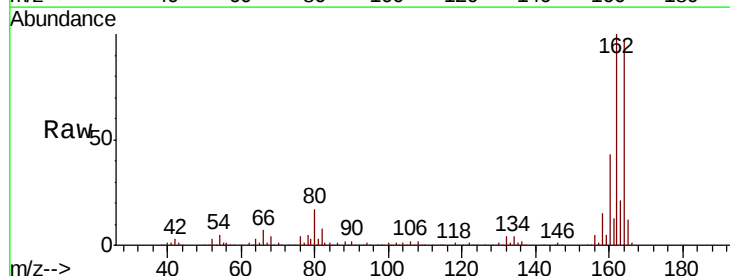


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

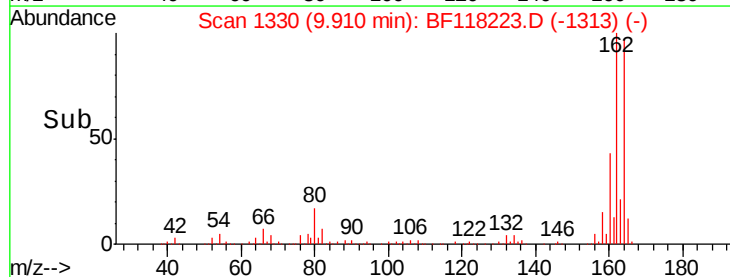
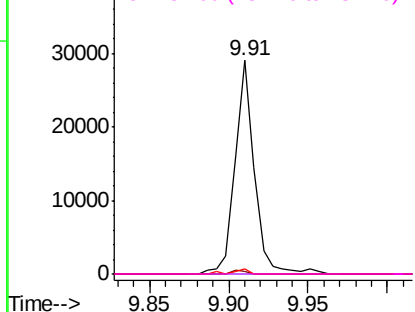


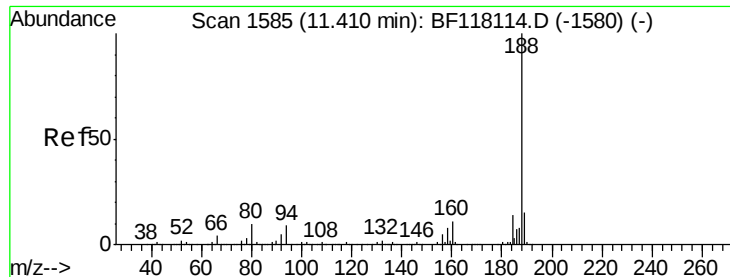
#57
 2,4-Dinitrotoluene
 Concen: 6.246 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.20 min
 Lab File: BF118223.D
 Acq: 17 Dec 2019 3:42

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	32.6	49.0#
89	2.5	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# 1584

Delta R.T. -0.01 min

Lab File: BF118223.D

Acq: 17 Dec 2019 3:42

Instrument :

BNA_F

ClientSampleId :

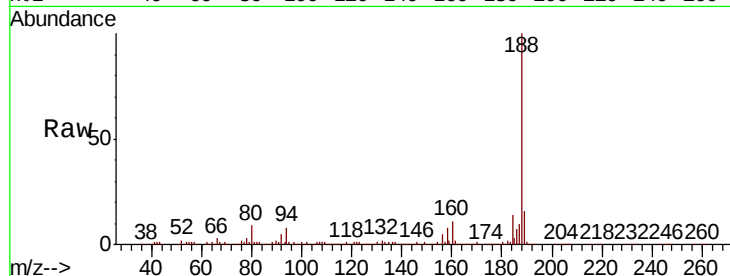
Tot Ion:188 Resp: 283695

Ion Ratio Lower Upper

188 100

94 7.9 7.1 10.7

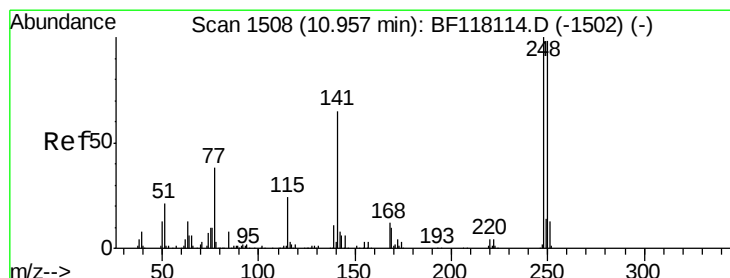
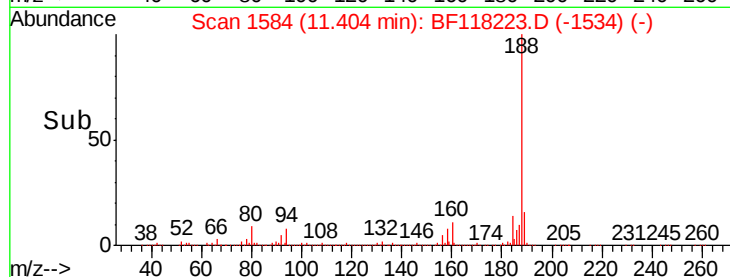
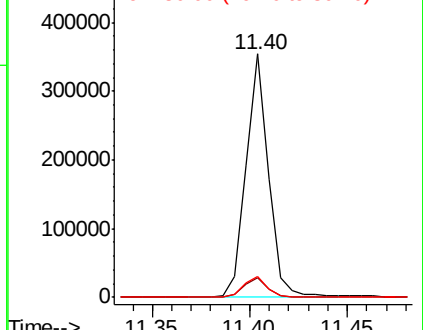
80 8.8 7.9 11.9



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: 2.887 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.25 min

Lab File: BF118223.D

Acq: 17 Dec 2019 3:42

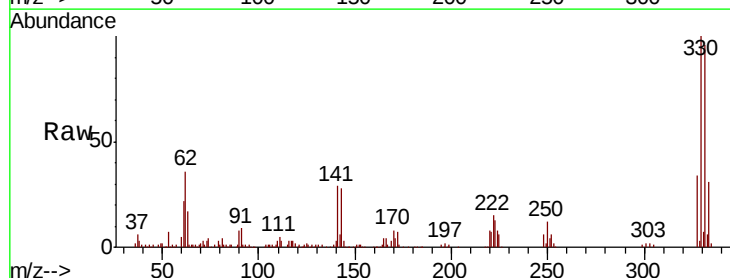
Tgt Ion:248 Resp: 9349

Ion Ratio Lower Upper

248 100

250 202.0 78.3 117.5#

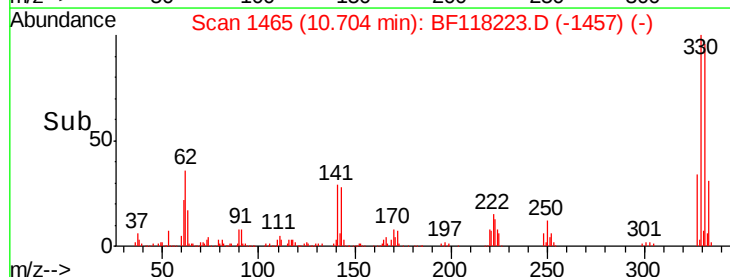
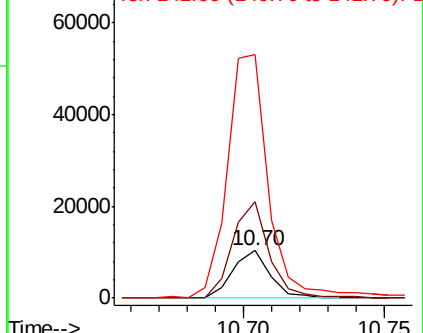
141 512.6 52.2 78.4#

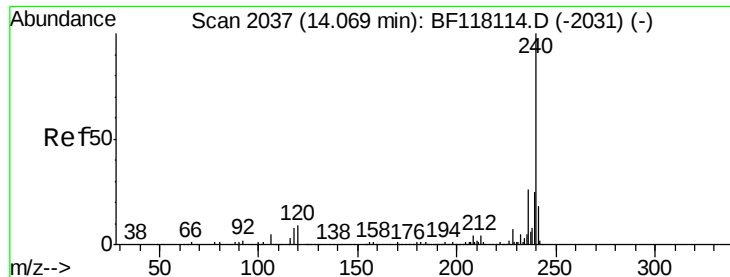


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

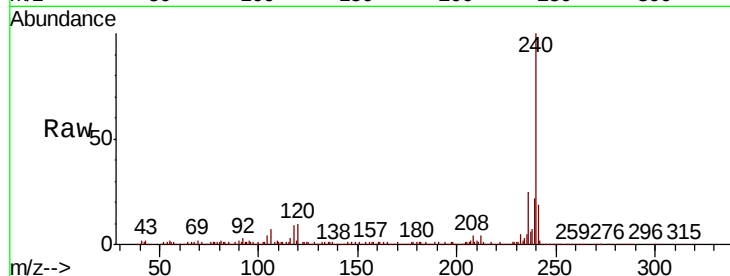




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: BF118223.D
 Acq: 17 Dec 2019 3:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.8	7.1	10.7
236	25.3	21.0	31.6

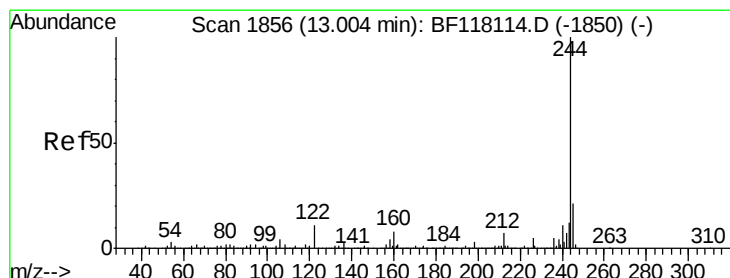
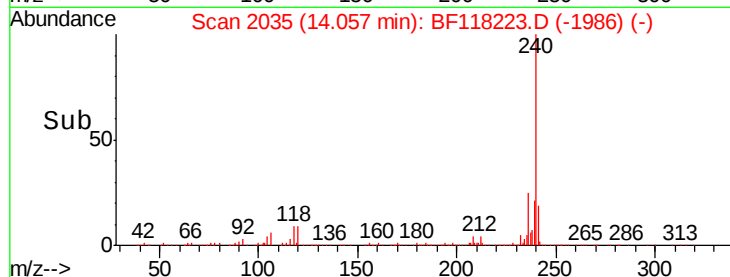
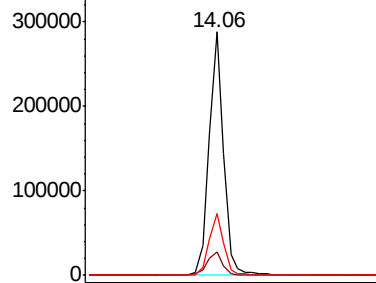


Abundance

Ion 240.00 (239.70 to 240.70): E

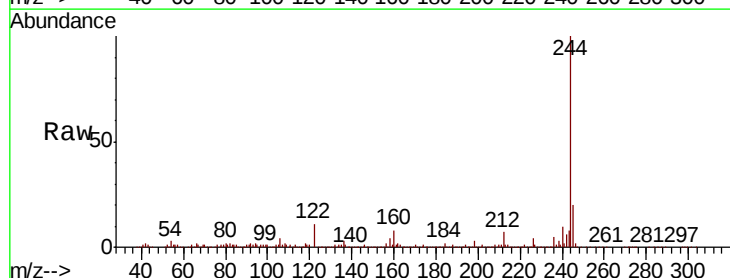
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#79
 Terphenyl-d14
 Concen: 44.354 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BF118223.D
 Acq: 17 Dec 2019 3:42

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.9	8.9
122	10.9	9.0	13.6

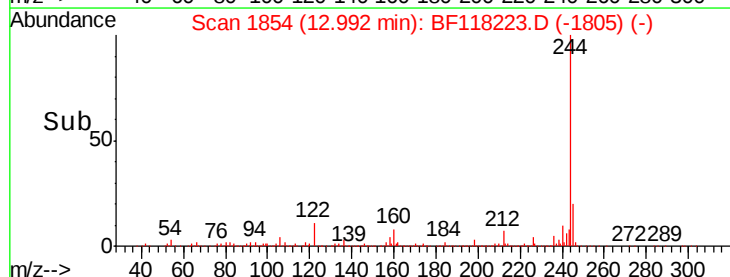
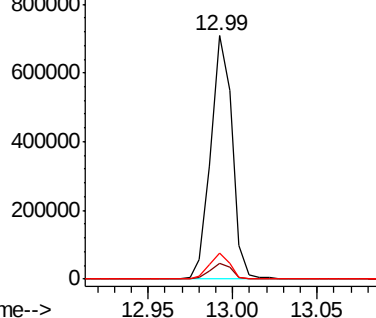


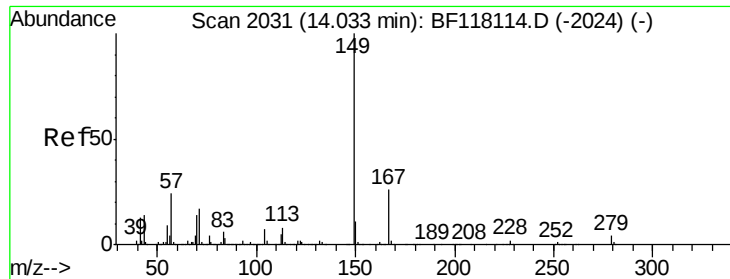
Abundance

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: 6.148 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF118223.D

Acq: 17 Dec 2019 3:42

Instrument :

BNA_F

ClientSampleId :

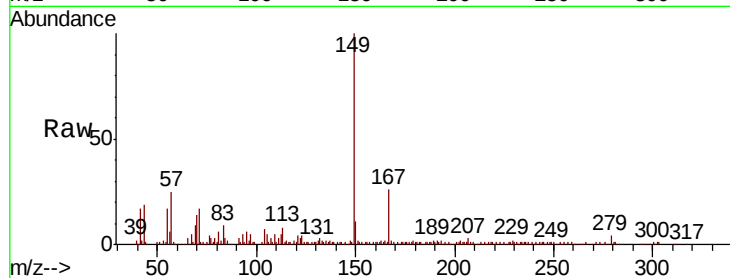
Tot Ion:149 Resp: 70312

Ion Ratio Lower Upper

149 100

167 26.4 20.8 31.2

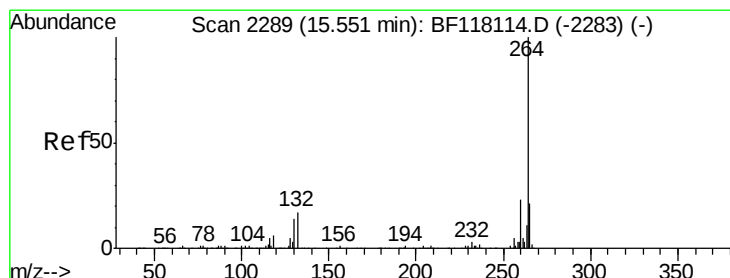
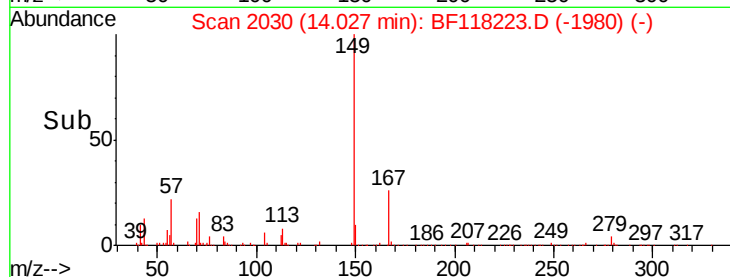
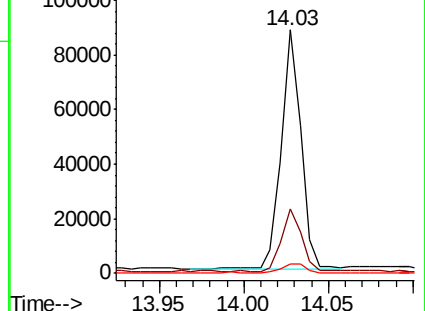
279 3.8 2.9 4.3



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

Perylene-d12

Concen: 20.000 ng

RT: 15.55 min Scan# 2289

Delta R.T. 0.00 min

Lab File: BF118223.D

Acq: 17 Dec 2019 3:42

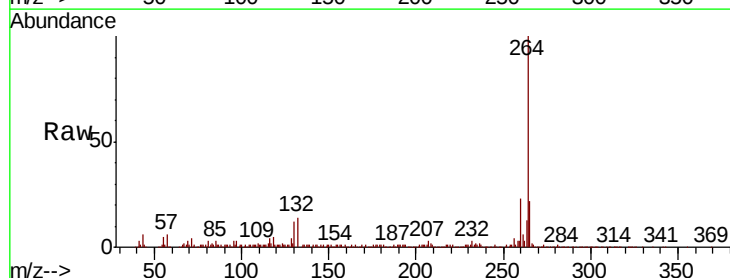
Tgt Ion:264 Resp: 243863

Ion Ratio Lower Upper

264 100

260 23.2 18.6 28.0

265 22.0 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

