

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121919\
 Data File : BF118283.D
 Acq On : 19 Dec 2019 17:04
 Operator : JU
 Sample : K6370-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 20 02:12:46 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

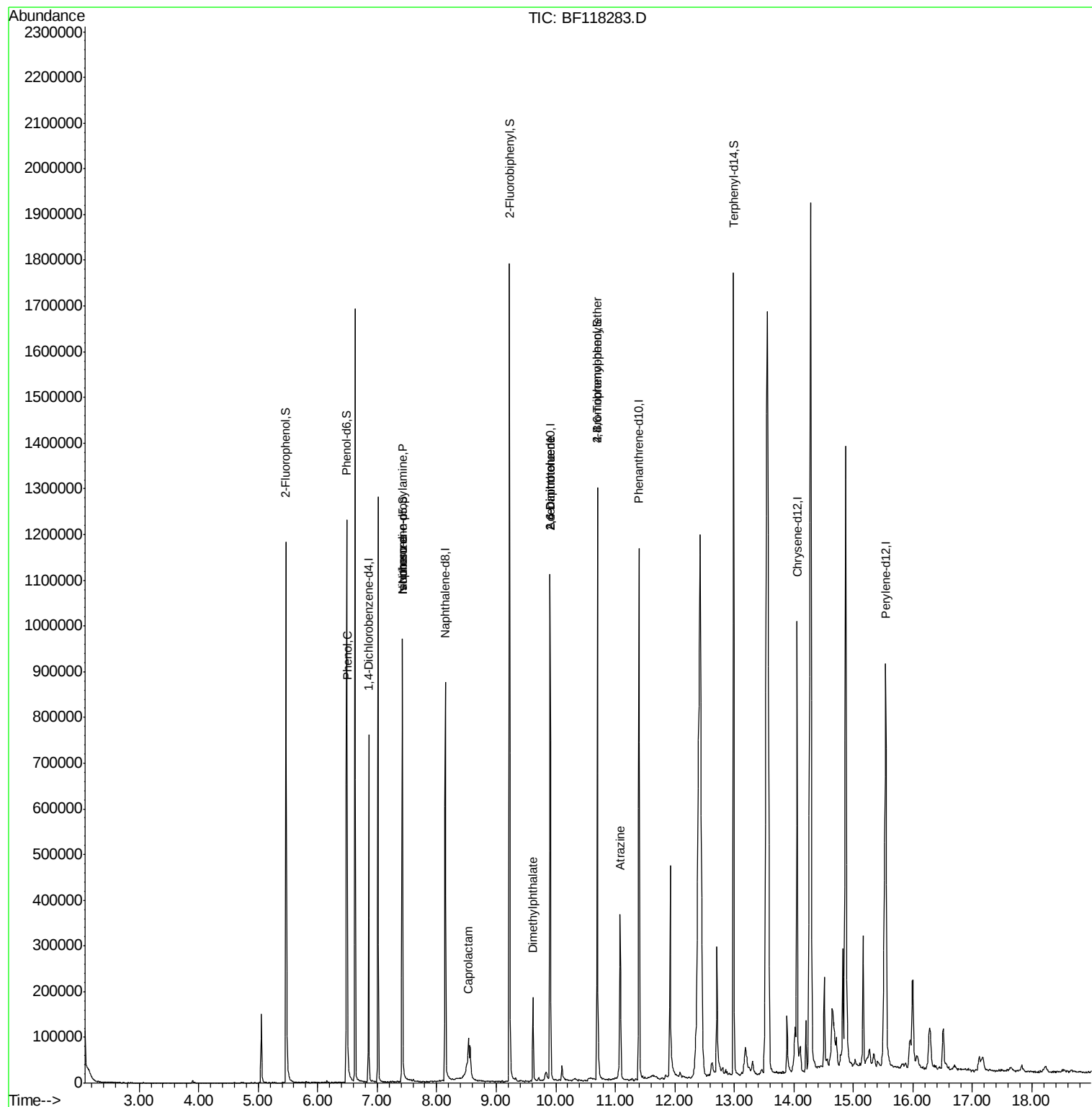
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	105035	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	412899	20.00	ng	-0.01
39) Acenaphthene-d10	9.90	164	221527	20.00	ng	-0.02
64) Phenanthrene-d10	11.40	188	422396	20.00	ng	-0.01
76) Chrysene-d12	14.05	240	334165	20.00	ng	-0.02
87) Perylene-d12	15.54	264	313396	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	348622	58.13	ng	-0.01
7) Phenol-d6	6.49	99	433511	59.77	ng	-0.01
23) Nitrobenzene-d5	7.42	82	304639	41.51	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	168365	62.56	ng	-0.02
45) 2-Fluorobiphenyl	9.22	172	520841	35.78	ng	-0.02
79) Terphenyl-d14	12.99	244	549400	28.27	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.49	77	616	Below Cal		Qvalue
10) Phenol	6.50	94	20712	2.504 ng	#	1
19) n-Nitroso-di-n-propylamine	7.42	70	40411	9.168 ng	#	79
25) Isophorone	7.42	82	302210	24.290 ng	#	62
35) Caprolactam	8.53	113	23215	12.561 ng		96
50) Dimethylphthalate	9.62	163	75309	4.602 ng		99
51) 2,6-Dinitrotoluene	9.90	165	27812	7.817 ng	#	27
57) 2,4-Dinitrotoluene	9.90	165	27812	5.856 ng	#	25
67) 4-Bromophenyl-phenylether	10.70	248	10287	2.133 ng	#	1
69) Atrazine	11.08	200	59372	13.627 ng		98

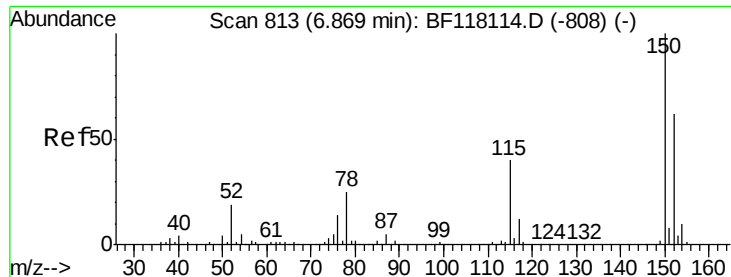
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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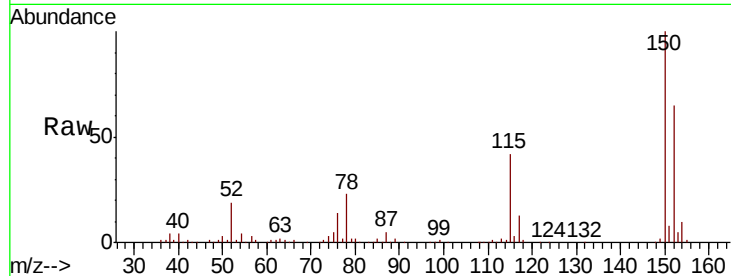


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF118283.D
Acq: 19 Dec 2019 17:04

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	128.3	192.5
115	64.4	51.1	76.7

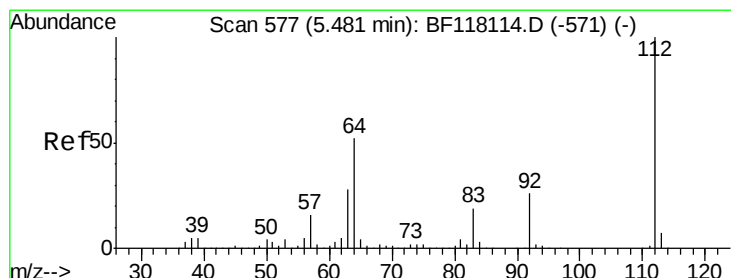
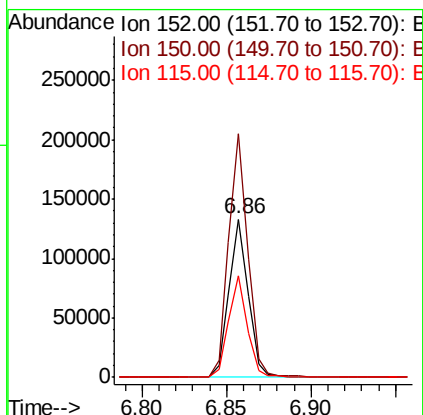
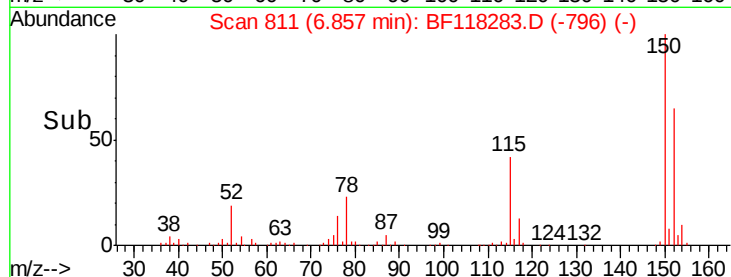


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

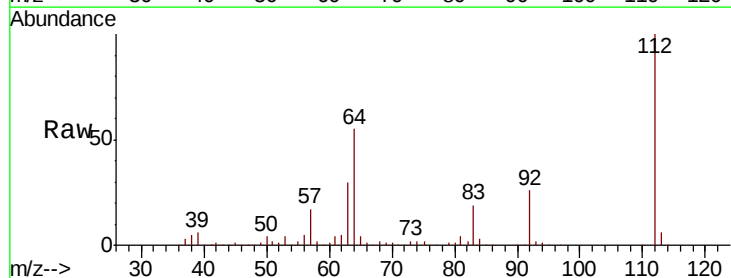
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 58.133 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF118283.D
Acq: 19 Dec 2019 17:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.5	41.3	61.9
63	30.4	22.4	33.6

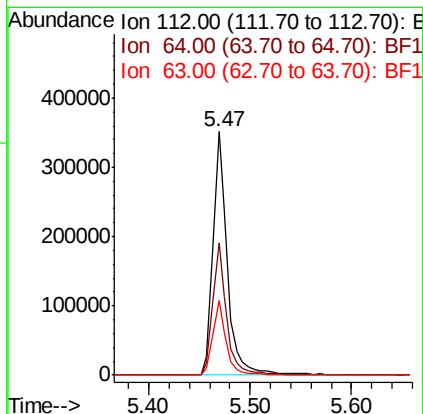
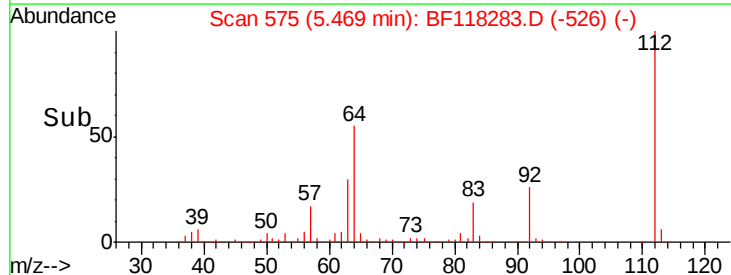


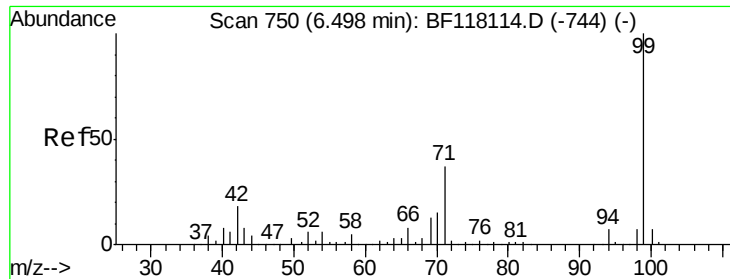
Abundance

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: 59.766 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF118283.D

Acq: 19 Dec 2019 17:04

Instrument :

BNA_F

ClientSampleId :

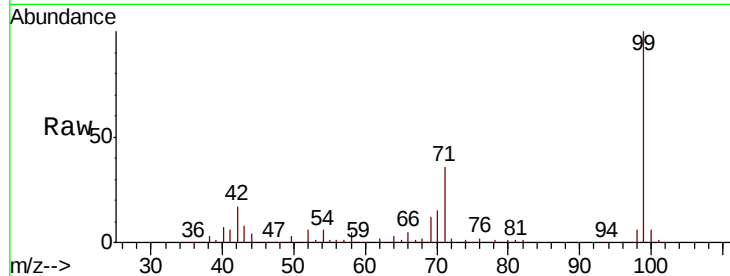
Tot Ion: 99 Resp: 433511

Ion Ratio Lower Upper

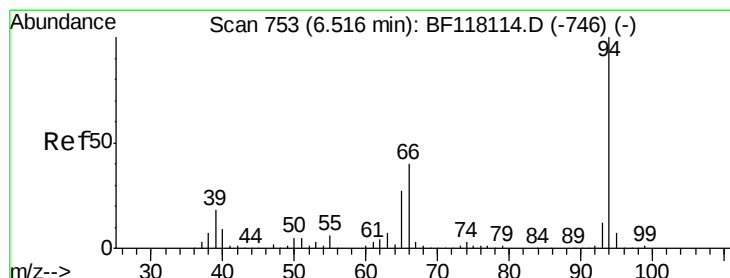
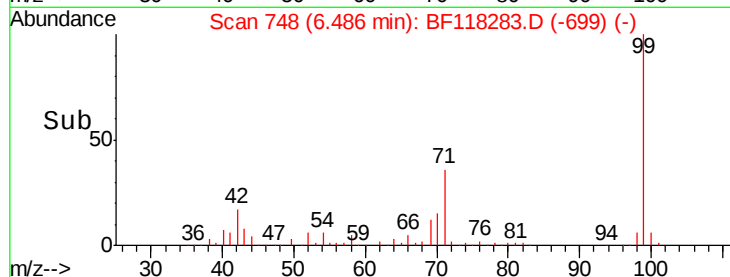
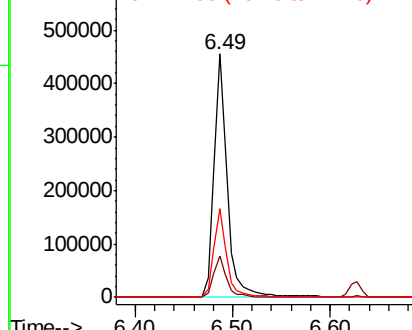
99 100

42 16.9 14.1 21.1

71 36.4 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: 2.504 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.02 min

Lab File: BF118283.D

Acq: 19 Dec 2019 17:04

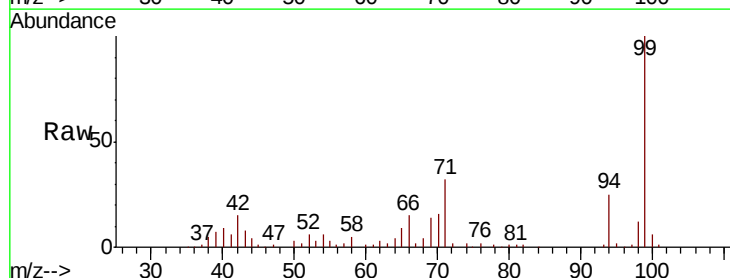
Tgt Ion: 94 Resp: 20712

Ion Ratio Lower Upper

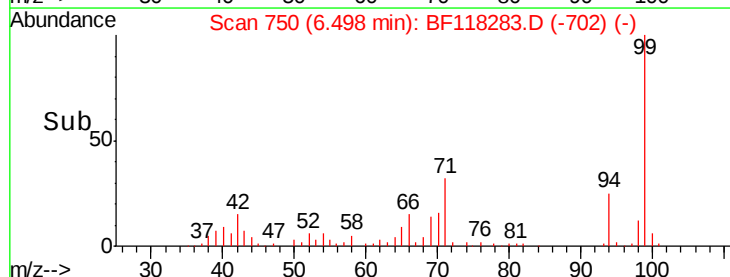
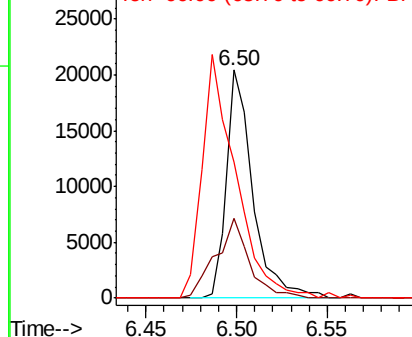
94 100

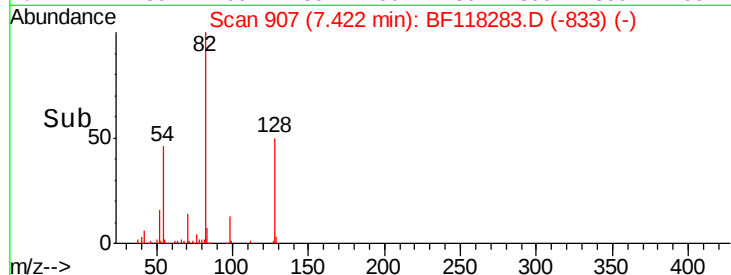
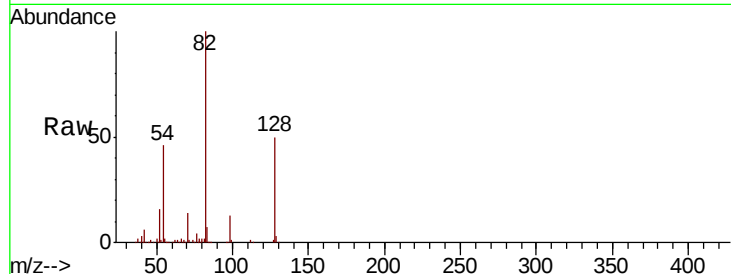
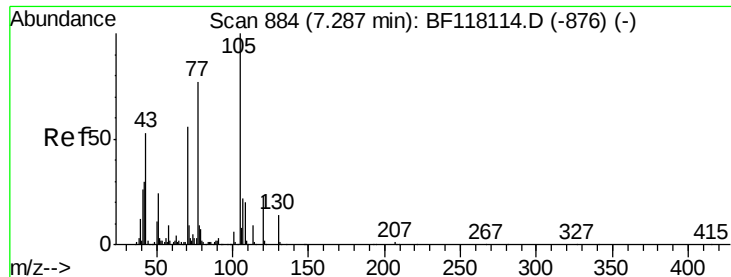
65 35.2 7.3 47.3

66 59.5 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

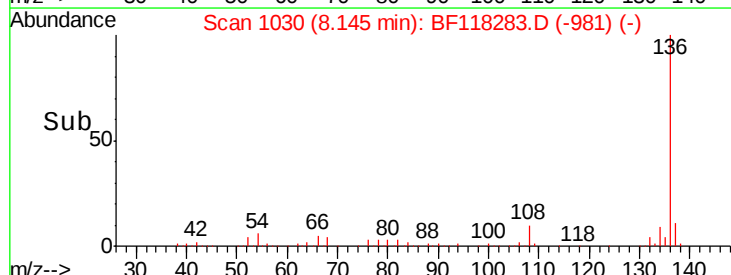
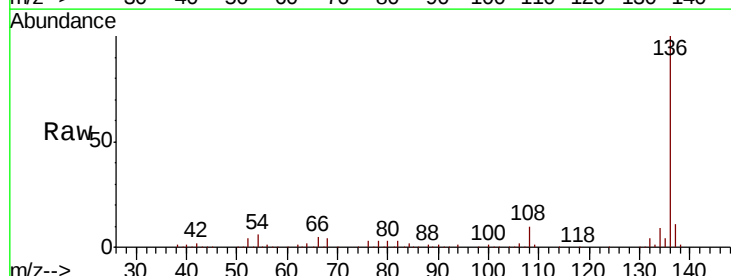
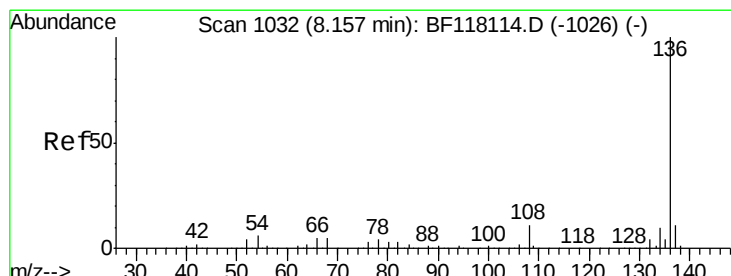
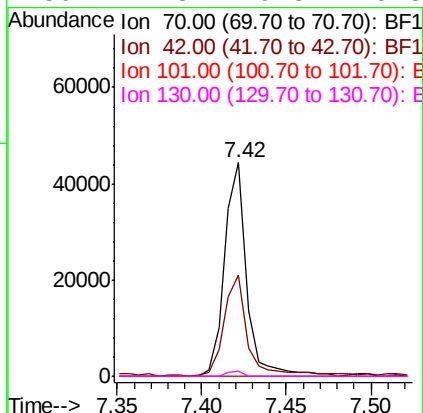




#19
n-Nitroso-di-n-propylamine
Concen: 9.168 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.14 min
Lab File: BF118283.D
Acq: 19 Dec 2019 17:04

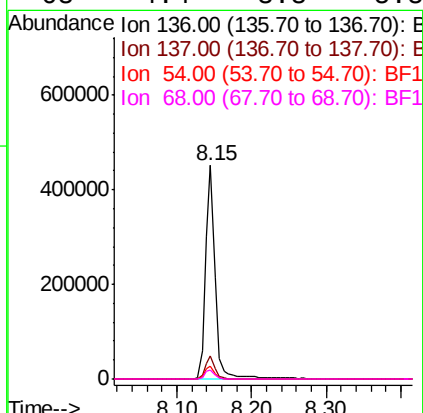
Instrument :
BNA_F
ClientSampleId :

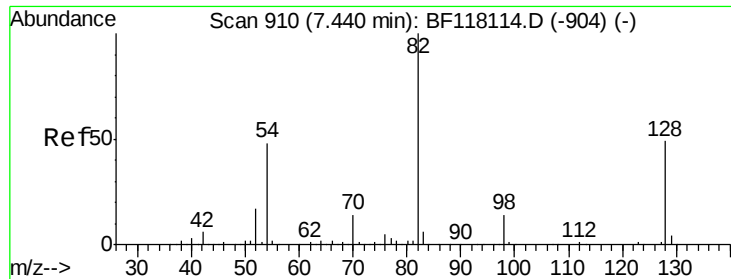
Tot Ion	Ratio	Lower	Upper
70	100		
42	47.4	43.2	64.8
101	0.0	8.1	12.1
130	2.3	19.8	29.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF118283.D
Acq: 19 Dec 2019 17:04

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.6
54	5.8	5.0	7.6
68	4.4	3.8	5.8

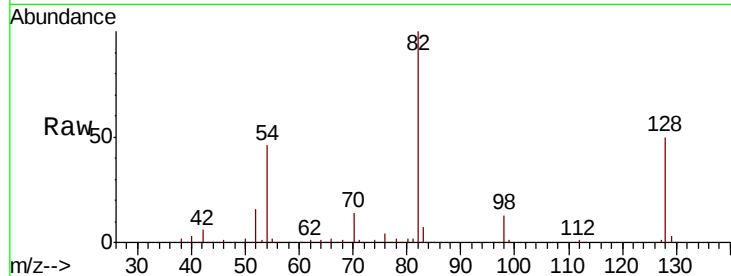




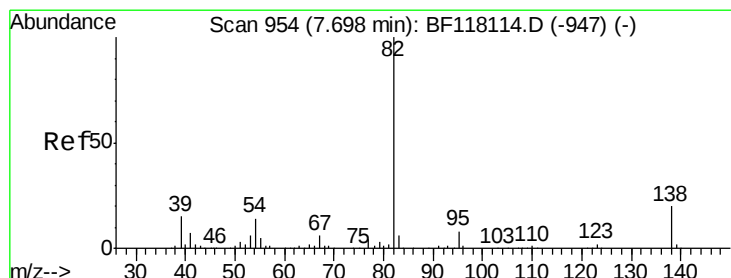
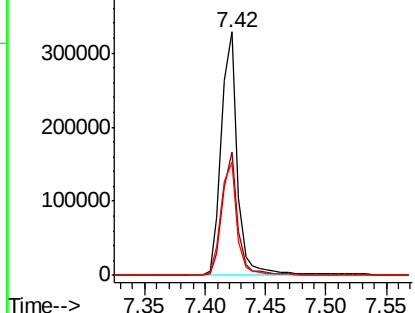
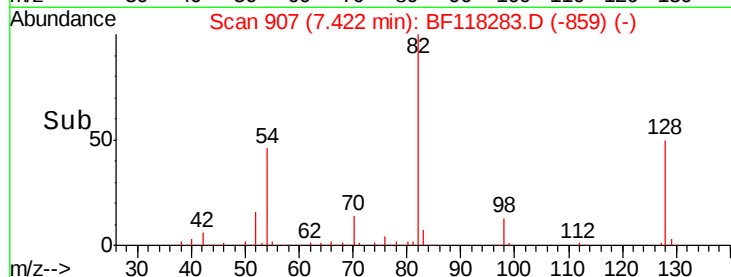
#23
Nitrobenzene-d5
Concen: 41.507 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.02 min
Lab File: BF118283.D
Acq: 19 Dec 2019 17:04

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	304639
Ion Ratio	Lower	Upper	
82	100		
128	50.5	39.1	58.7
54	46.2	38.2	57.2

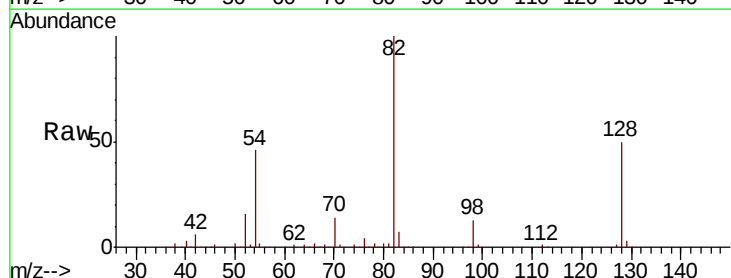


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

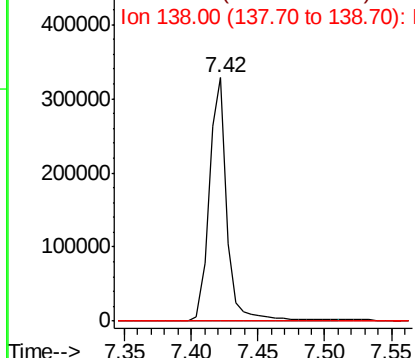
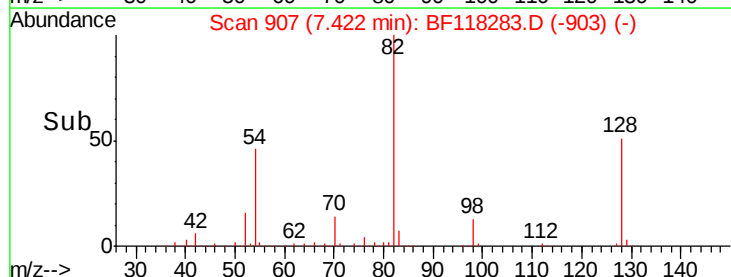


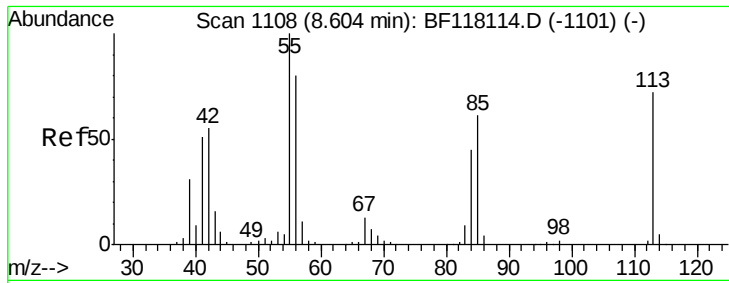
#25
Isophorone
Concen: 24.290 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.28 min
Lab File: BF118283.D
Acq: 19 Dec 2019 17:04

Tgt Ion	82	Resp	302210
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

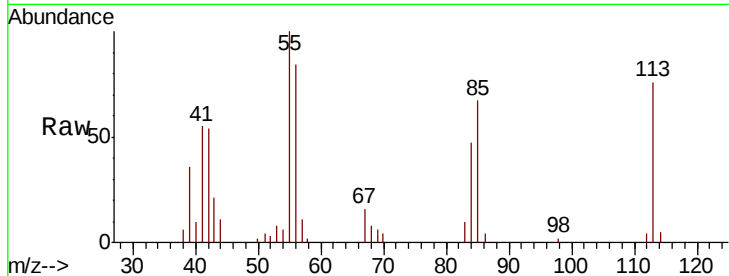




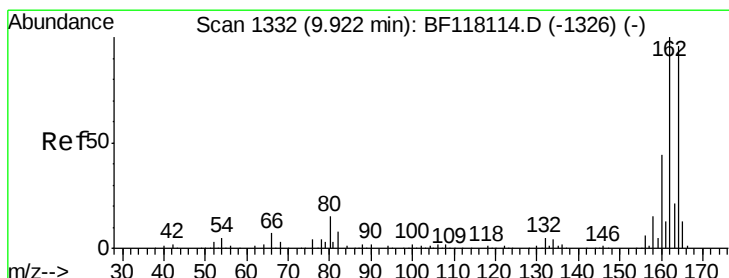
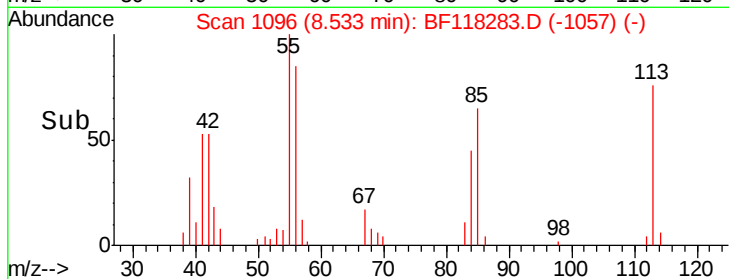
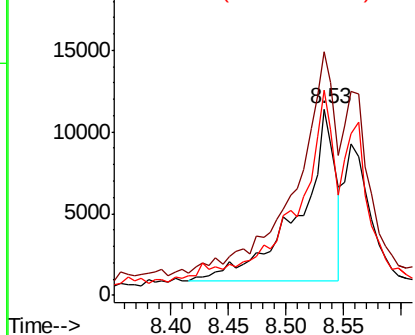
#35
Caprolactam
Concen: 12.561 ng
RT: 8.53 min Scan# 1096
Delta R.T. -0.07 min
Lab File: BF118283.D
Acq: 19 Dec 2019 17:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:113 Resp: 23215
Ion Ratio Lower Upper
113 100
55 130.8 118.9 158.9
56 110.5 91.4 131.4

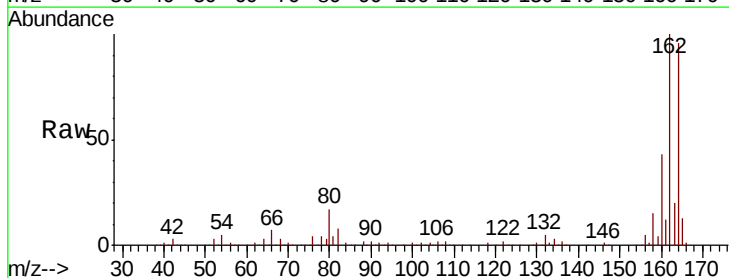


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

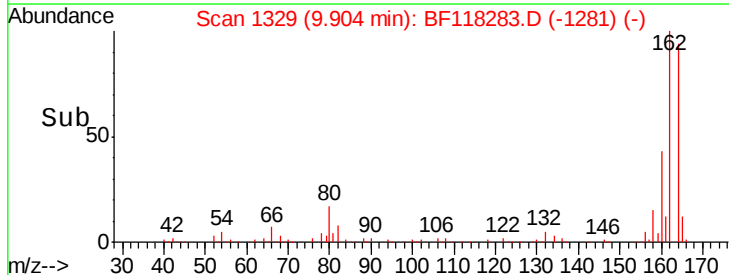
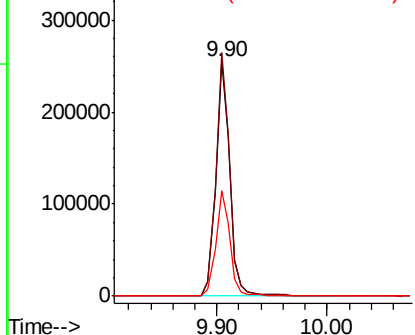


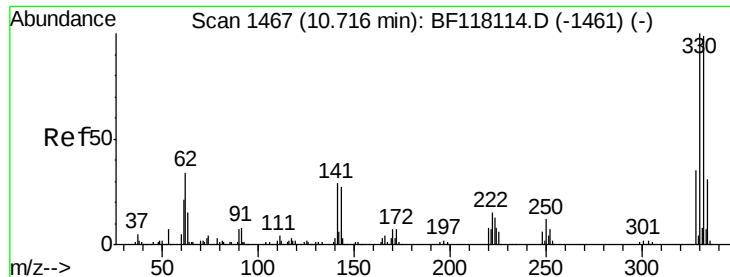
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.02 min
Lab File: BF118283.D
Acq: 19 Dec 2019 17:04

Tgt Ion:164 Resp: 221527
Ion Ratio Lower Upper
164 100
162 104.0 83.4 125.0
160 45.1 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

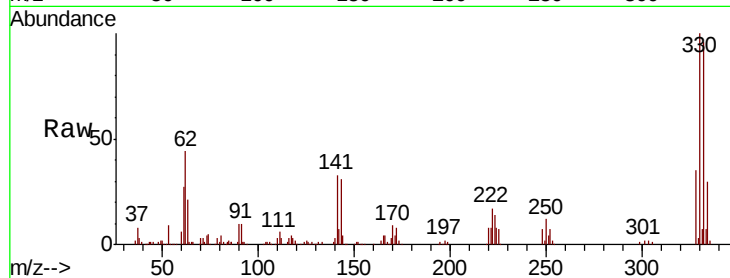




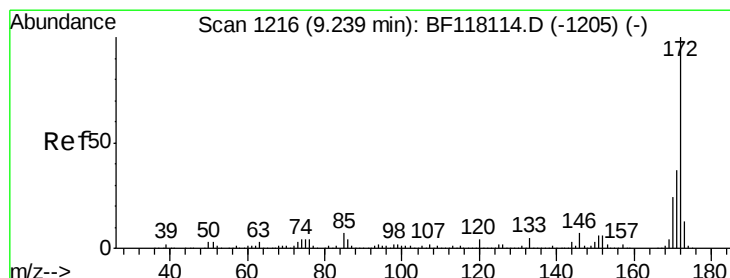
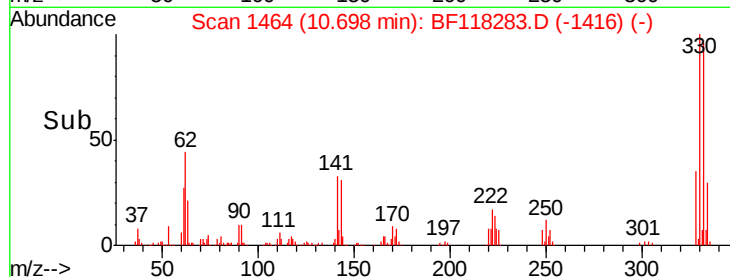
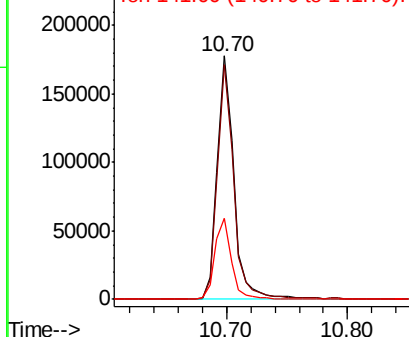
#42
 2,4,6-Tribromophenol
 Concen: 62.563 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.02 min
 Lab File: BF118283.D
 Acq: 19 Dec 2019 17:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	78.1	117.1
141	33.2	26.9	40.3

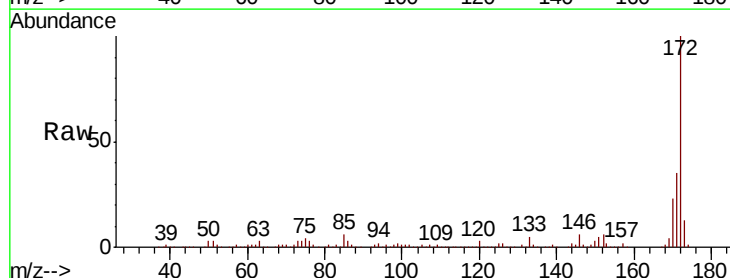


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

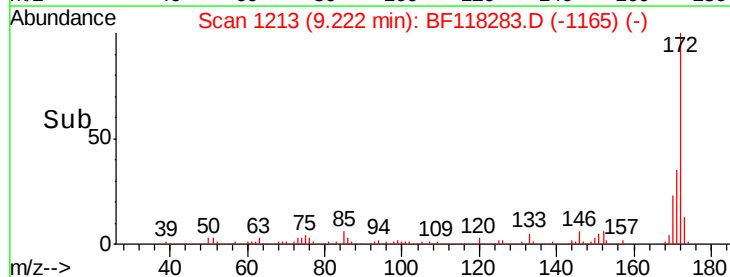
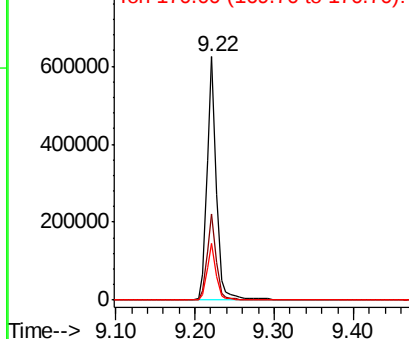


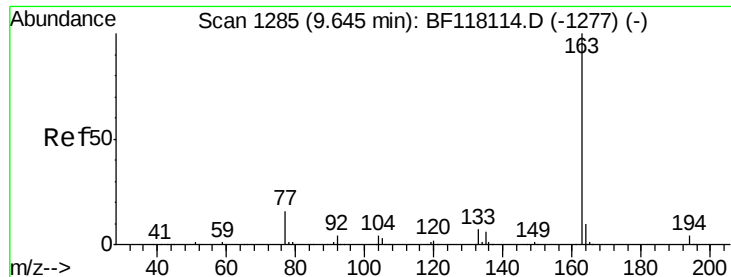
#45
 2-Fluorobiphenyl
 Concen: 35.776 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.02 min
 Lab File: BF118283.D
 Acq: 19 Dec 2019 17:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.2	43.8
170	23.4	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: 4.602 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.03 min

Lab File: BF118283.D

Acq: 19 Dec 2019 17:04

Instrument :

BNA_F

ClientSampleId :

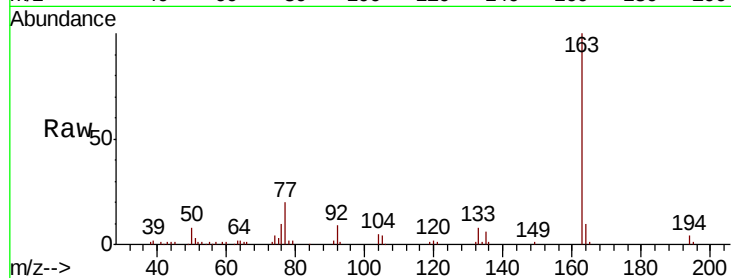
Tot Ion:163 Resp: 75309

Ion Ratio Lower Upper

163 100

194 3.7 3.1 4.7

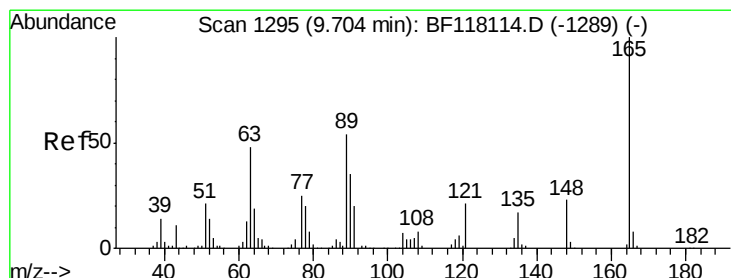
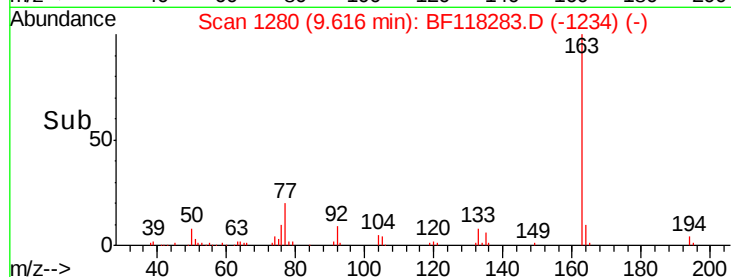
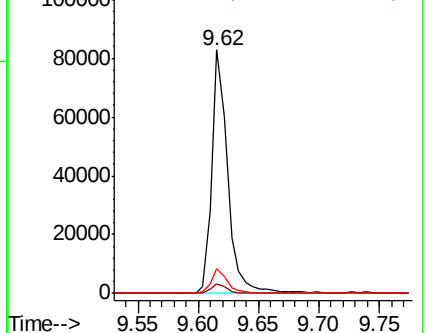
164 10.1 7.7 11.5



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: 7.817 ng

RT: 9.90 min Scan# 1329

Delta R.T. 0.20 min

Lab File: BF118283.D

Acq: 19 Dec 2019 17:04

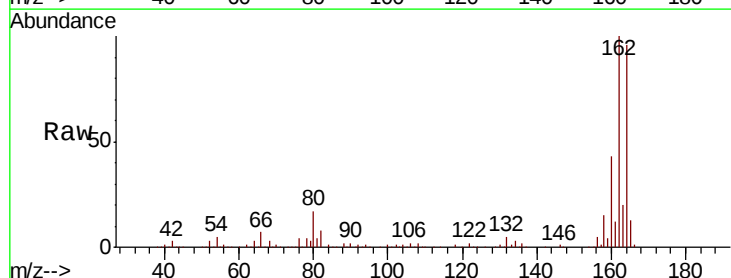
Tgt Ion:165 Resp: 27812

Ion Ratio Lower Upper

165 100

63 1.0 41.4 62.0#

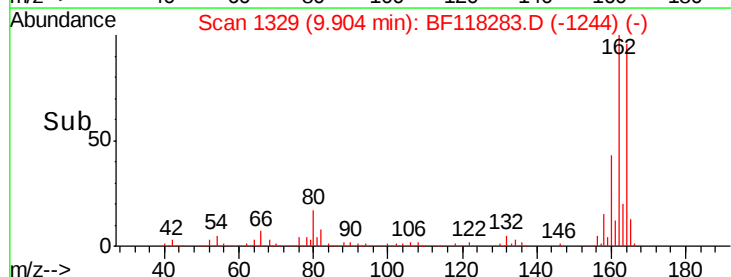
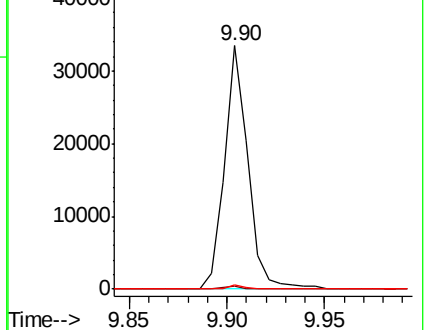
89 1.7 42.9 64.3#

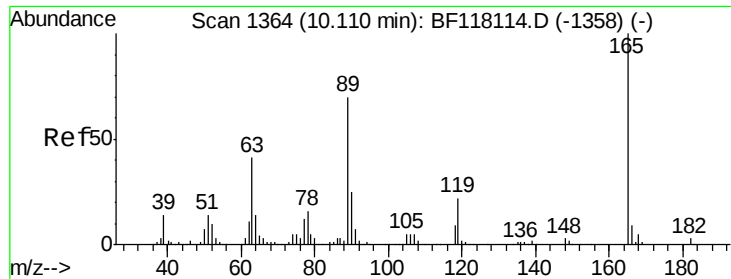


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

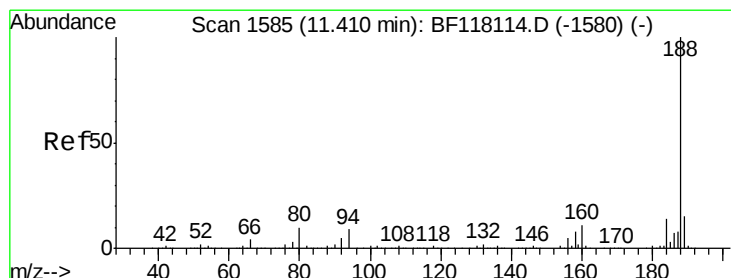
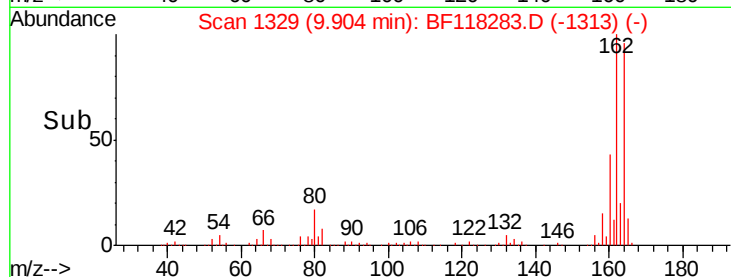
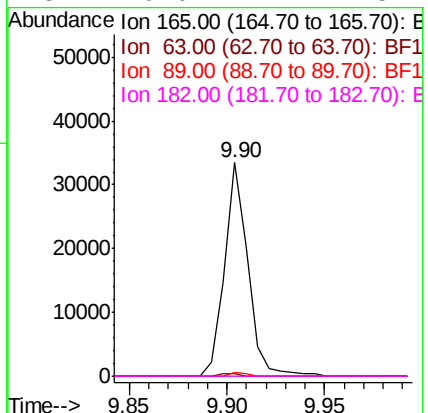
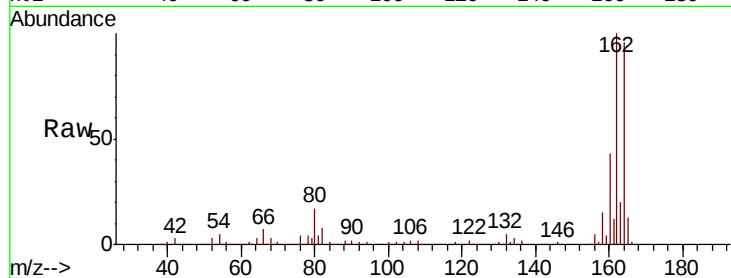




#57
 2,4-Dinitrotoluene
 Concen: 5.856 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. -0.21 min
 Lab File: BF118283.D
 Acq: 19 Dec 2019 17:04

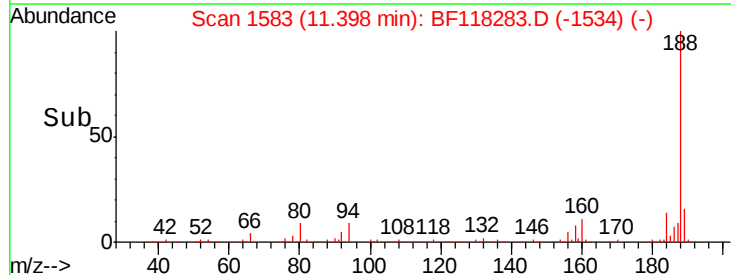
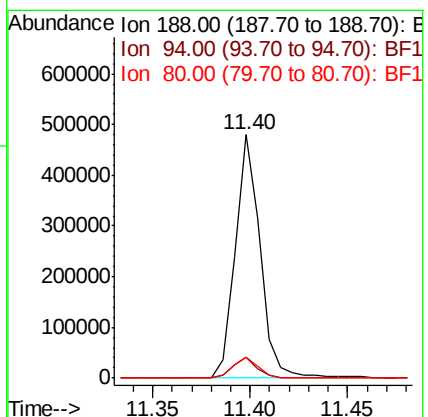
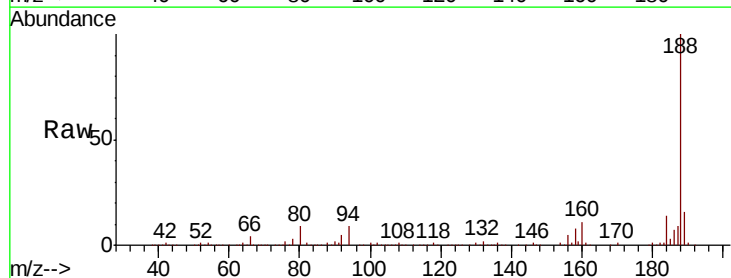
Instrument :
 BNA_F
 ClientSampled :

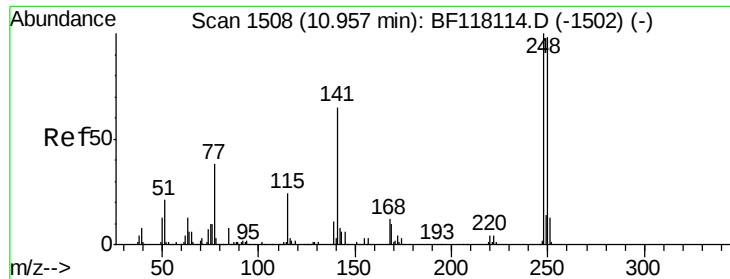
Tot Ion:165	Resp:	27812
Ion Ratio	Lower	Upper
165	100	
63	1.0	32.6 49.0#
89	1.7	56.1 84.1#
182	0.0	2.1 3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF118283.D
 Acq: 19 Dec 2019 17:04

Tgt Ion:188	Resp:	422396
Ion Ratio	Lower	Upper
188	100	
94	8.7	7.1 10.7
80	8.8	7.9 11.9

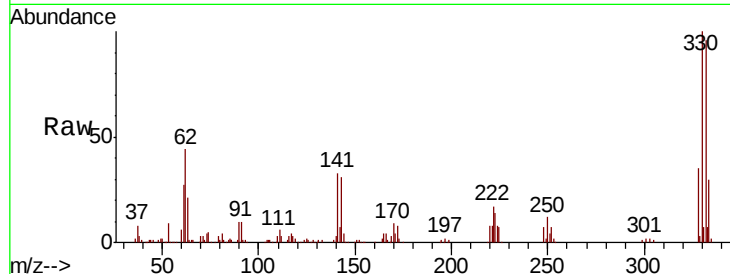




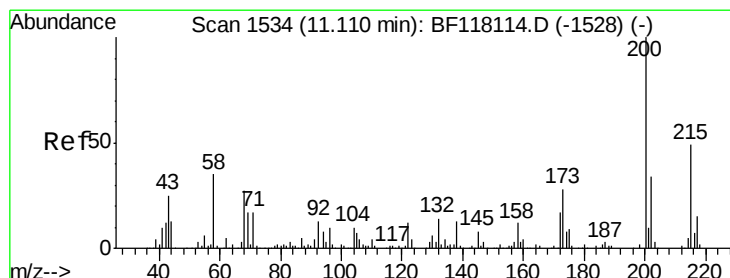
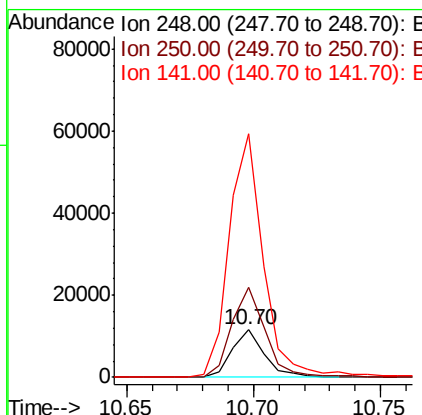
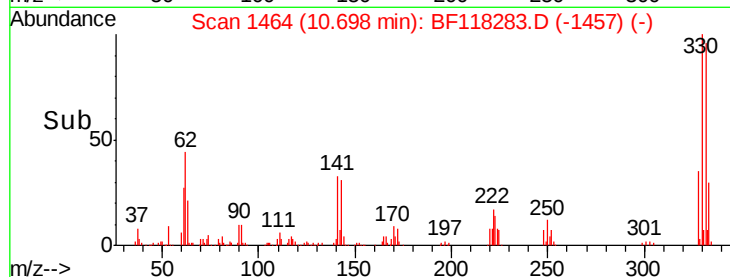
#67
4-Bromophenyl-phenylether
Concen: 2.133 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.26 min
Lab File: BF118283.D
Acq: 19 Dec 2019 17:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 10287
Ion Ratio Lower Upper
248 100
250 189.0 78.3 117.5#
141 512.3 52.2 78.4#

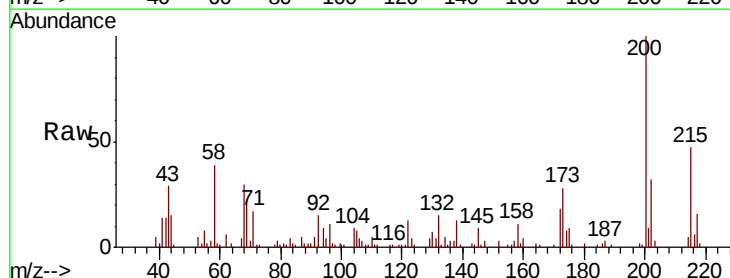


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

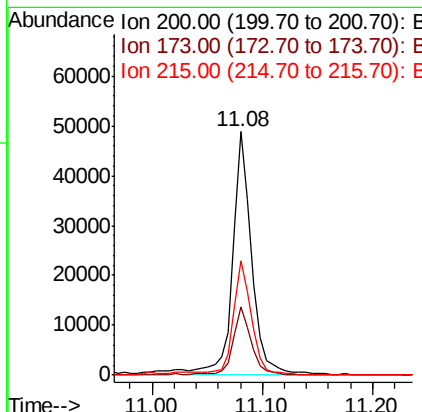
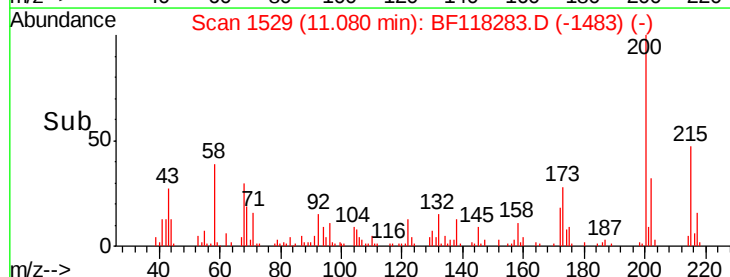


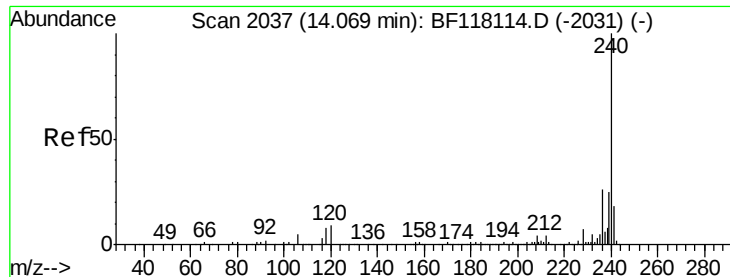
#69
Atrazine
Concen: 13.627 ng
RT: 11.08 min Scan# 1529
Delta R.T. -0.03 min
Lab File: BF118283.D
Acq: 19 Dec 2019 17:04

Tgt Ion:200 Resp: 59372
Ion Ratio Lower Upper
200 100
173 28.0 8.1 48.1
215 47.1 29.0 69.0



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.02 min

Lab File: BF118283.D

Acq: 19 Dec 2019 17:04

Instrument :

BNA_F

ClientSampleId :

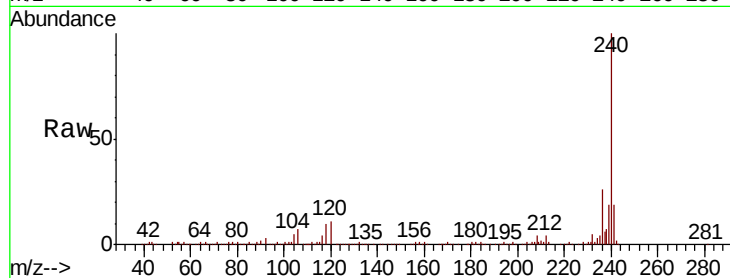
Tot Ion:240 Resp: 334165

Ion Ratio Lower Upper

240 100

120 11.1 7.1 10.7#

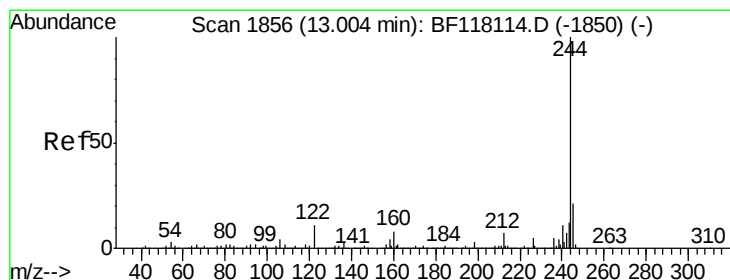
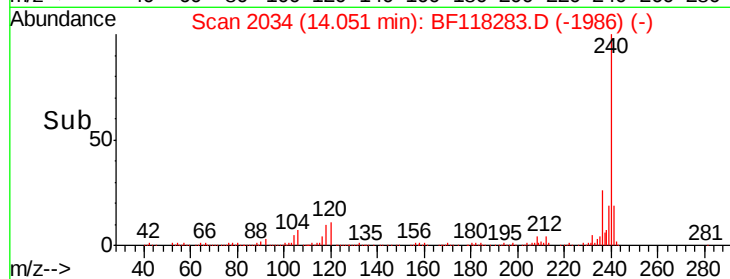
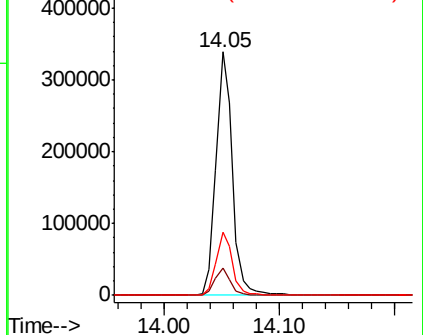
236 25.8 21.0 31.6



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: 28.272 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.02 min

Lab File: BF118283.D

Acq: 19 Dec 2019 17:04

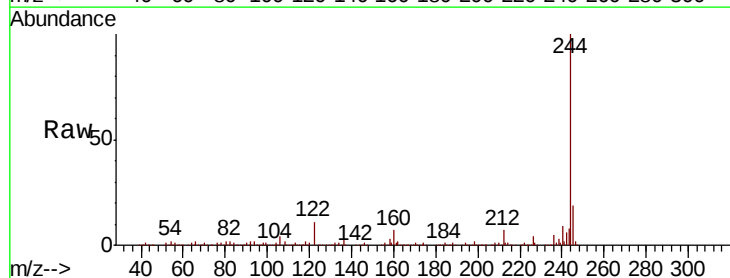
Tgt Ion:244 Resp: 549400

Ion Ratio Lower Upper

244 100

212 6.7 5.9 8.9

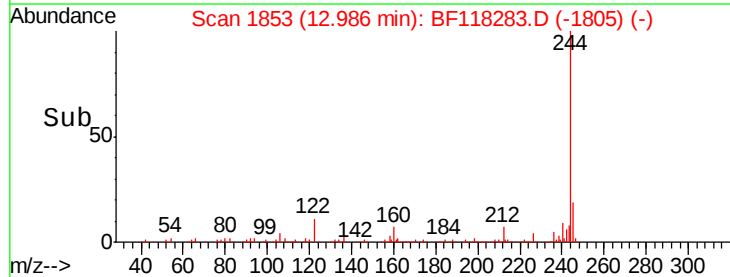
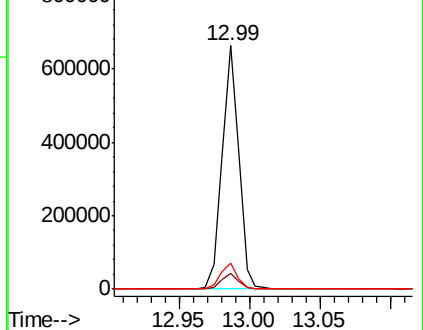
122 10.9 9.0 13.6

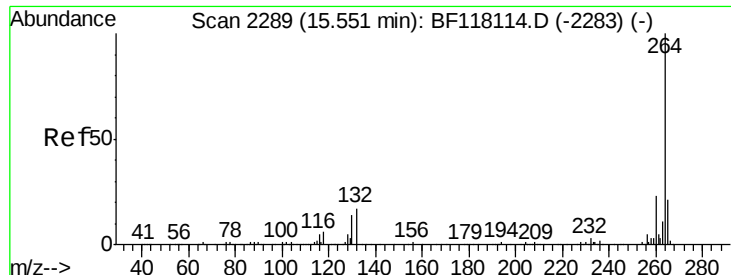


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2288
 Delta R.T. -0.01 min
 Lab File: BF118283.D
 Acq: 19 Dec 2019 17:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	28.0
265	21.3	16.8	25.2

