

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122819\
 Data File : BF118368.D
 Acq On : 28 Dec 2019 16:37
 Operator : JU
 Sample : K6434-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 29 07:02:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 24 15:58:52 2019
 Response via : Initial Calibration

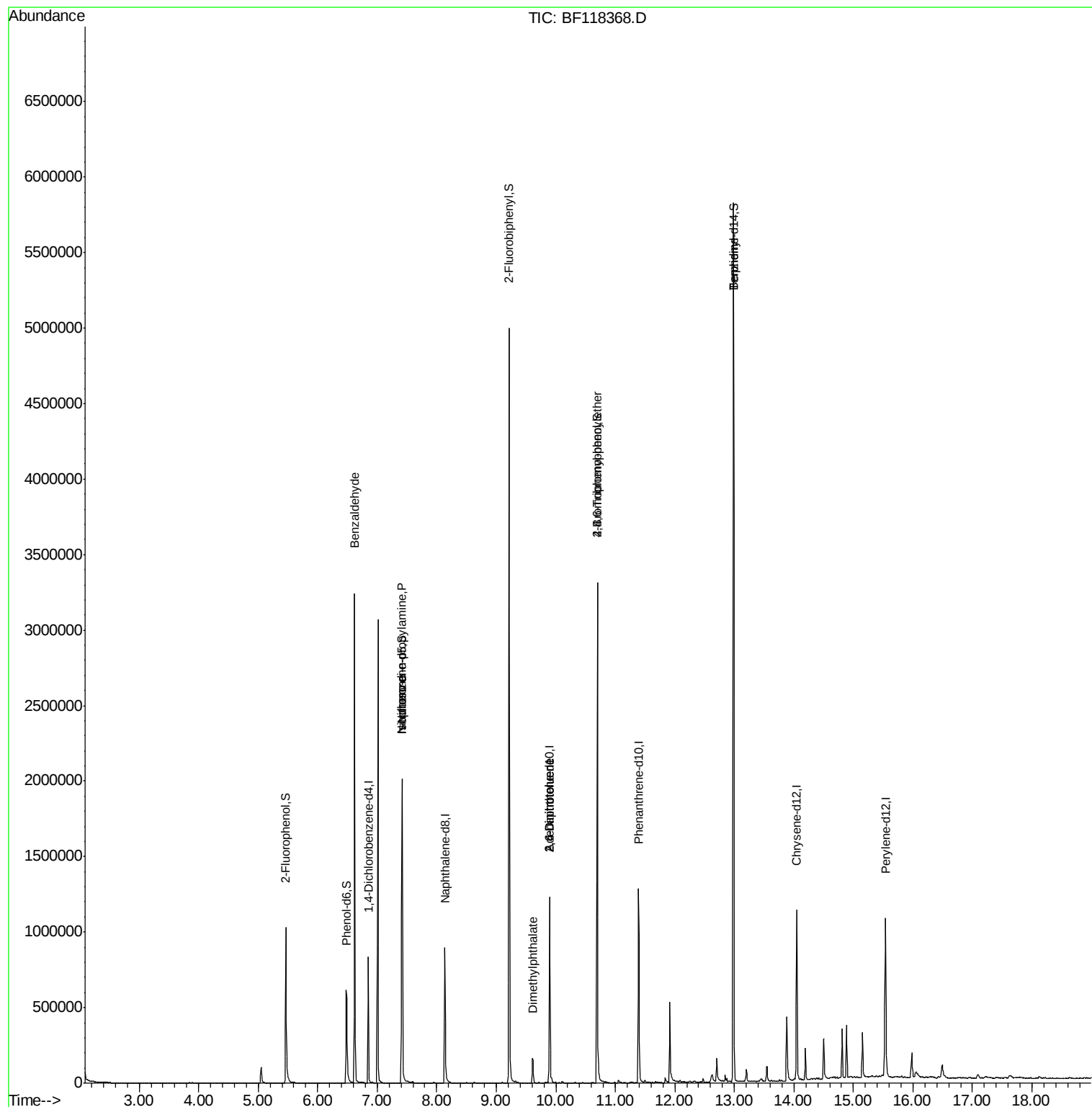
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	122525	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	480806	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	256755	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	507131	20.00	ng	0.00
76) Chrysene-d12	14.04	240	405219	20.00	ng	0.00
87) Perylene-d12	15.54	264	408256	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	368398	51.32	ng	0.00
7) Phenol-d6	6.48	99	274228	30.80	ng	0.00
23) Nitrobenzene-d5	7.42	82	757423	90.10	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	470407	148.36	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1517537	90.22	ng	0.00
79) Terphenyl-d14	12.99	244	2114655	86.58	ng	0.00
Target Compounds						
9) Benzaldehyde	6.62	77	18868	3.614	ng	# 72
19) n-Nitroso-di-n-propylamine	7.42	70	100737	18.365	ng	# 77
25) Isophorone	7.42	82	757417	51.699	ng	# 62
50) Dimethylphthalate	9.61	163	87206	4.525	ng	# 99
51) 2,6-Dinitrotoluene	9.90	165	32692	7.868	ng	# 26
57) 2,4-Dinitrotoluene	9.90	165	32693	5.888	ng	# 29
67) 4-Bromophenyl-phenylether	10.70	248	29177	4.916	ng	# 1
77) Benzidine	12.99	184	30044	2.706	ng	# 93

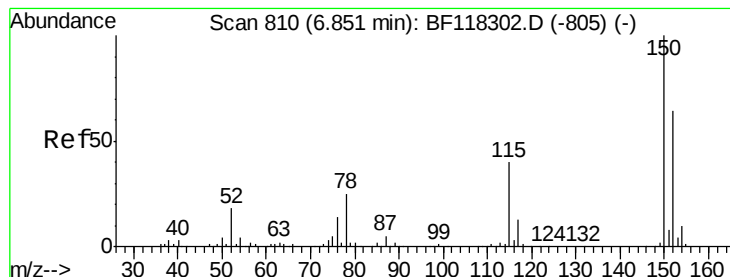
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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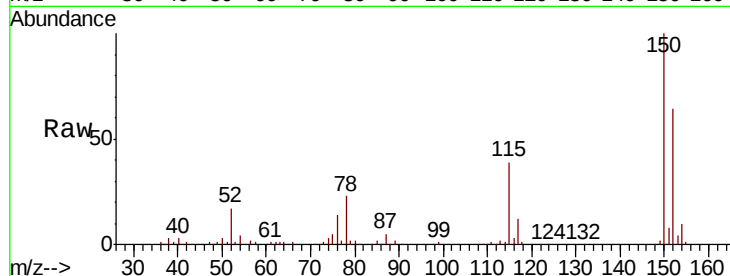


#1

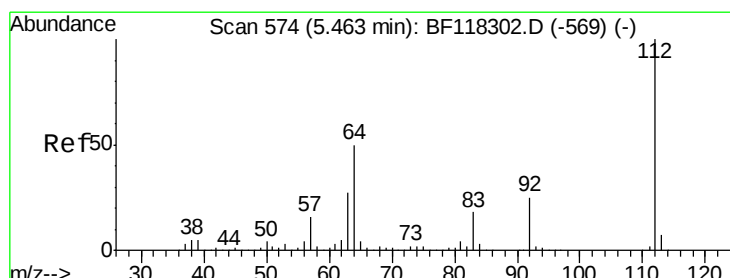
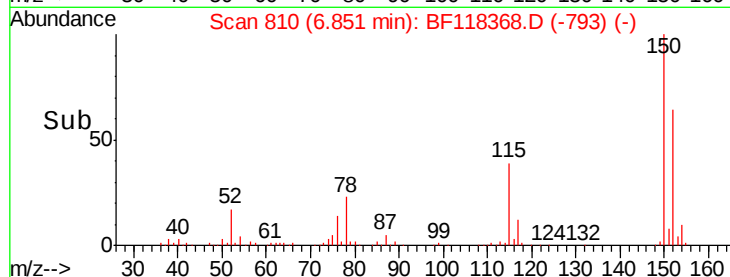
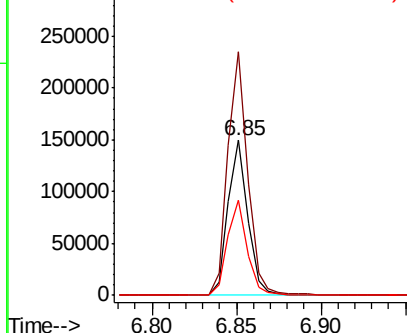
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: BF118368.D
 Acq: 28 Dec 2019 16:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 122525
 Ion Ratio Lower Upper
 152 100
 150 157.0 125.4 188.2
 115 61.6 50.2 75.4



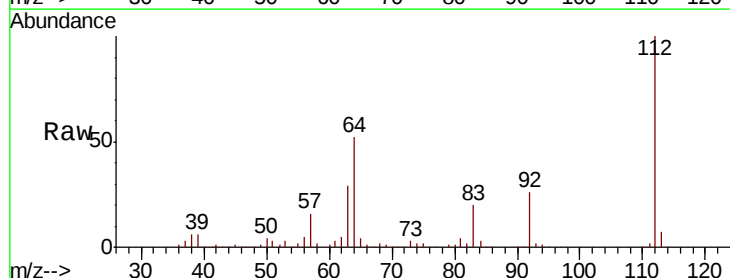
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



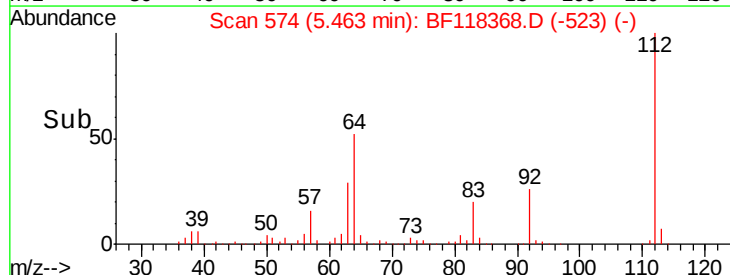
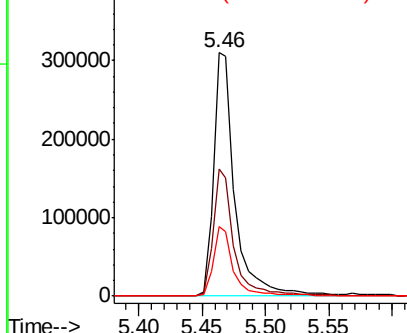
#5

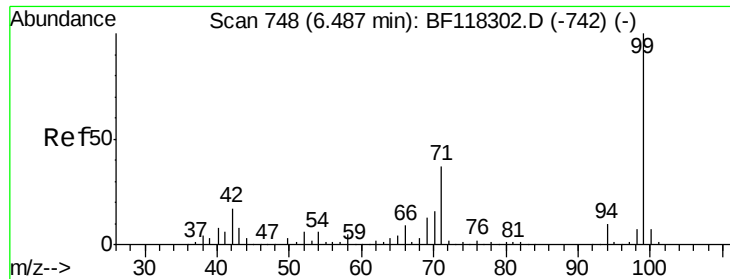
2-Fluorophenol
 Concen: 51.324 ng
 RT: 5.46 min Scan# 574
 Delta R.T. -0.00 min
 Lab File: BF118368.D
 Acq: 28 Dec 2019 16:37

Tgt Ion:112 Resp: 368398
 Ion Ratio Lower Upper
 112 100
 64 52.0 39.7 59.5
 63 28.7 21.7 32.5



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: 30.797 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF118368.D

Acq: 28 Dec 2019 16:37

Instrument :

BNA_F

ClientSampleId :

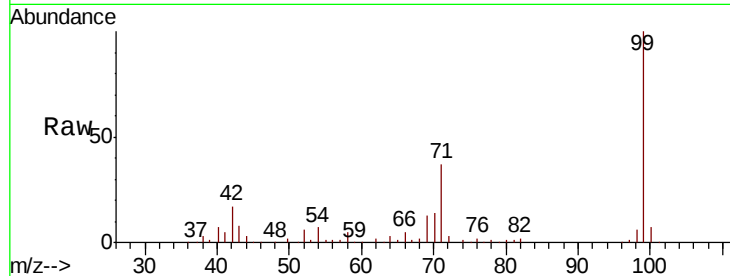
Tot Ion: 99 Resp: 274228

Ion Ratio Lower Upper

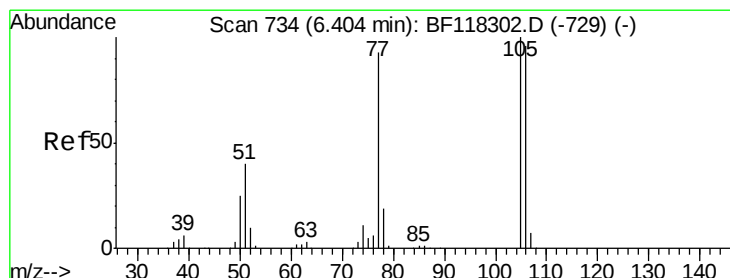
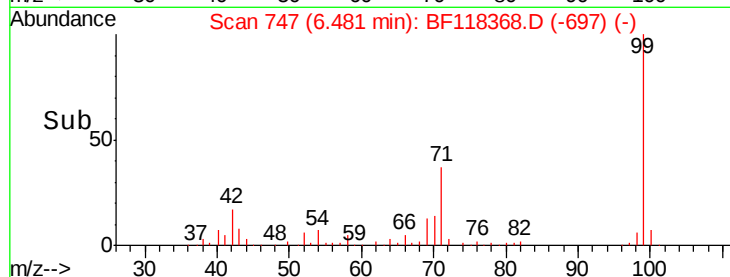
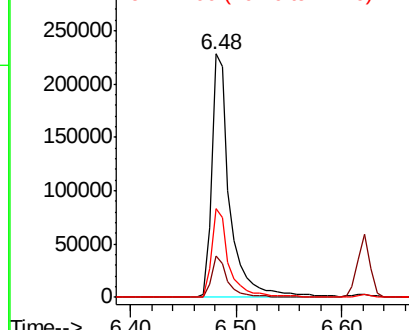
99 100

42 16.8 13.5 20.3

71 36.6 29.4 44.2



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



#9

Benzaldehyde

Concen: 3.614 ng

RT: 6.62 min Scan# 771

Delta R.T. 0.22 min

Lab File: BF118368.D

Acq: 28 Dec 2019 16:37

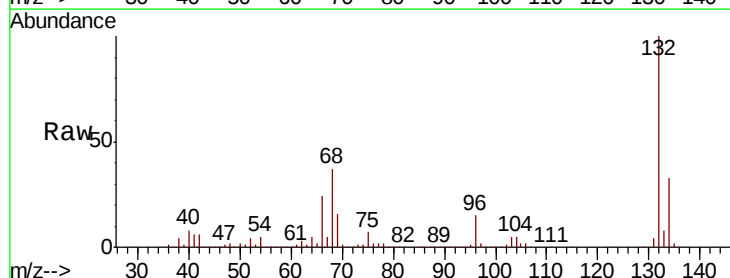
Tgt Ion: 77 Resp: 18868

Ion Ratio Lower Upper

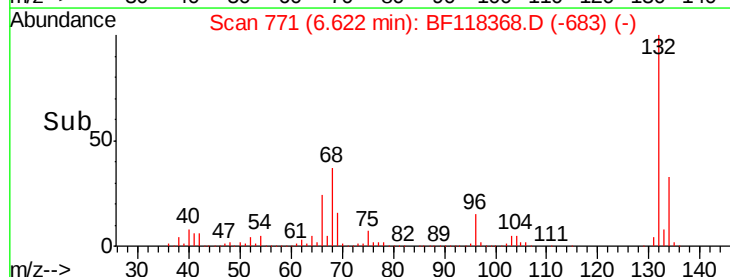
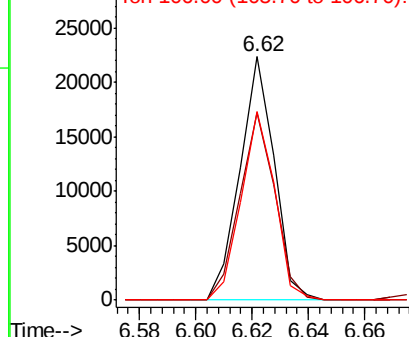
77 100

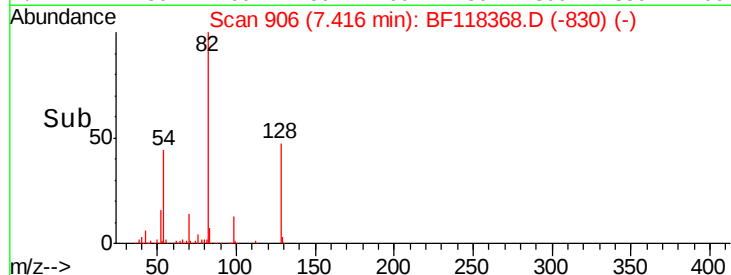
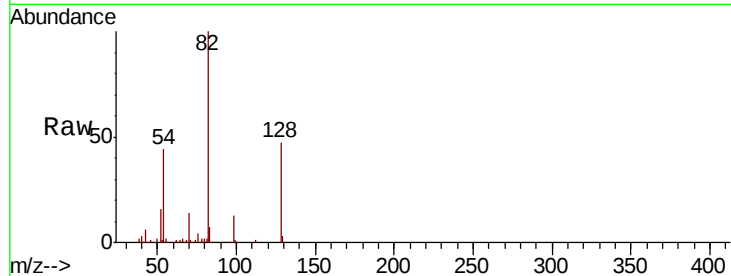
105 77.0 87.5 127.5#

106 77.3 83.6 123.6#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

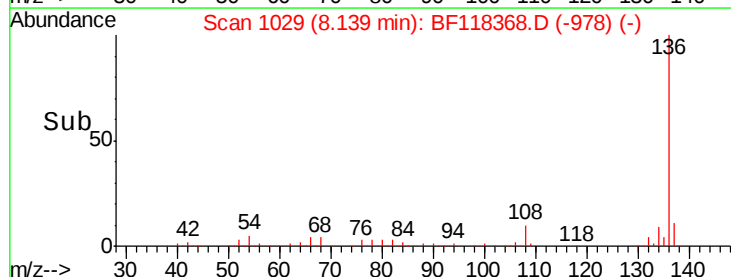
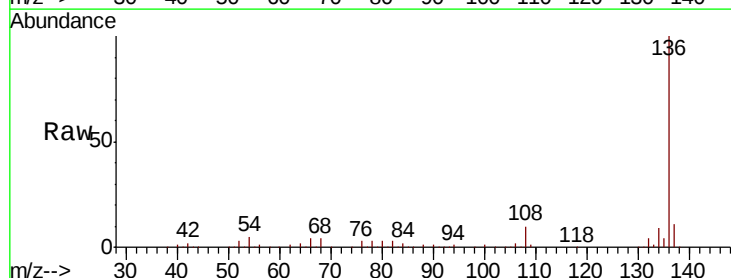
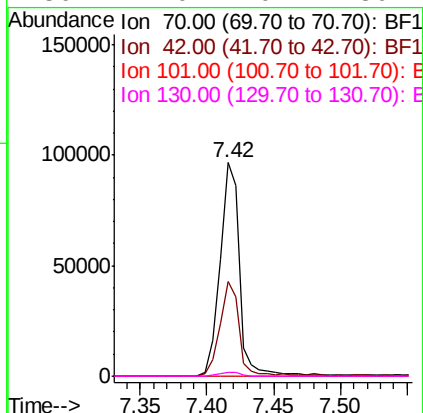




#19
n-Nitroso-di-n-propylamine
Concen: 18.365 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.15 min
Lab File: BF118368.D
Acq: 28 Dec 2019 16:37

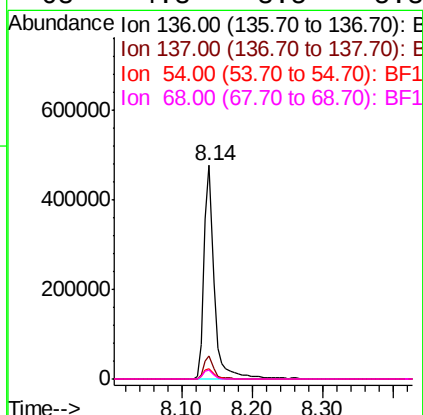
Instrument :
BNA_F
ClientSampleId :

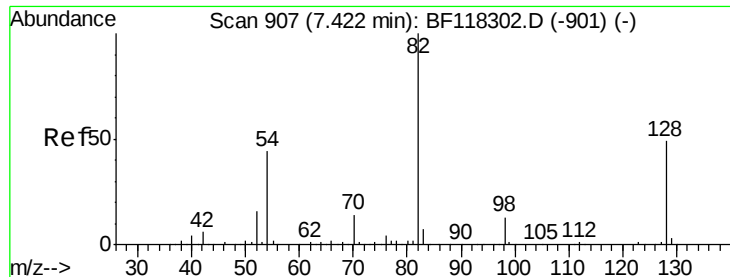
Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	44.3	41.1	61.7	
101	0.0	8.3	12.5	#
130	2.0	20.1	30.1	#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BF118368.D
Acq: 28 Dec 2019 16:37

Tgt Ion	Ion	Ratio	Lower	Upper
136	100			
137	10.6	8.9	13.3	
54	4.9	4.2	6.4	
68	4.3	3.5	5.3	

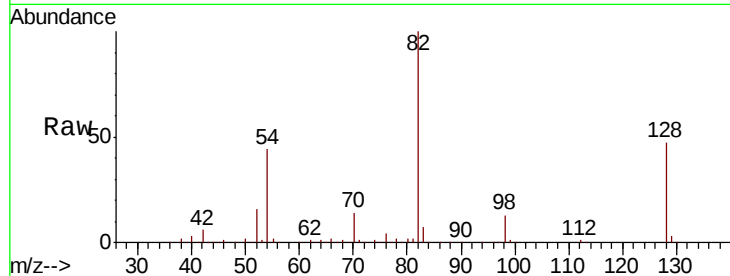




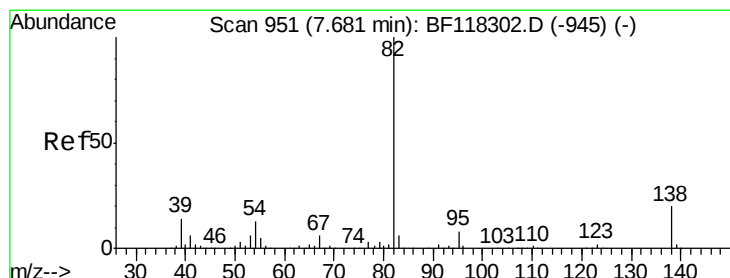
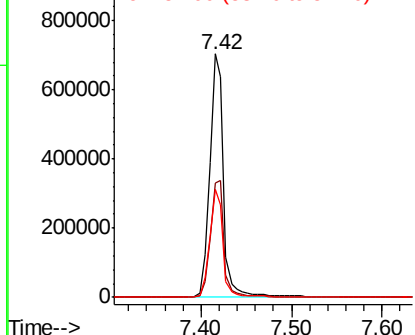
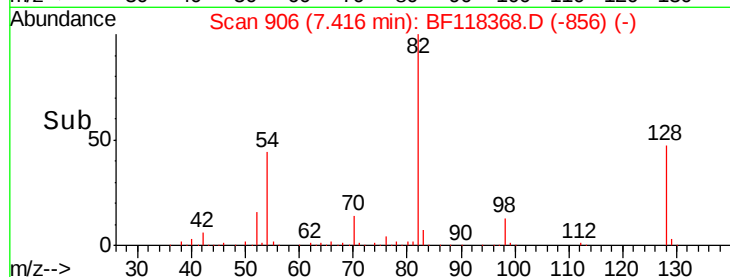
#23
Nitrobenzene-d5
Concen: 90.100 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF118368.D
Acq: 28 Dec 2019 16:37

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 757423
Ion Ratio Lower Upper
82 100
128 47.0 39.6 59.4
54 44.4 34.9 52.3

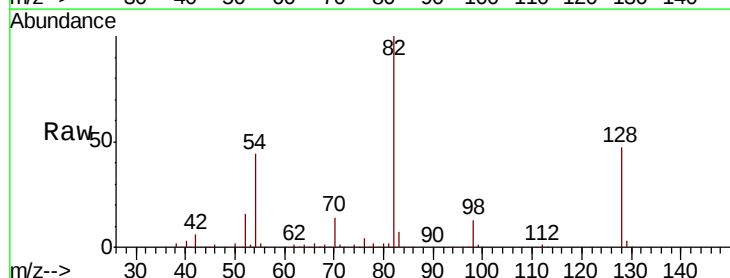


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

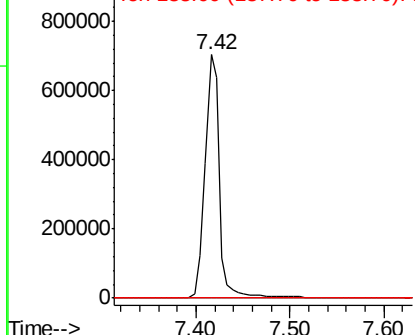
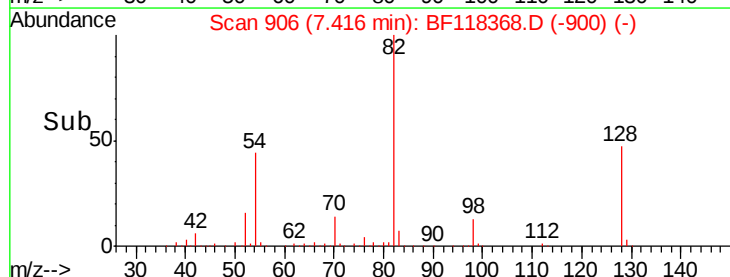


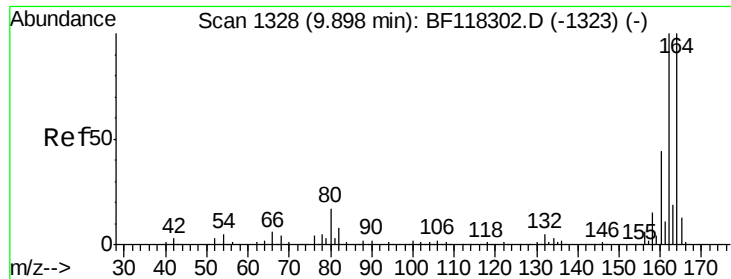
#25
Isophorone
Concen: 51.699 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.26 min
Lab File: BF118368.D
Acq: 28 Dec 2019 16:37

Tgt Ion: 82 Resp: 757417
Ion Ratio Lower Upper
82 100
95 0.0 6.3 9.5#
138 0.0 16.2 24.2#



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

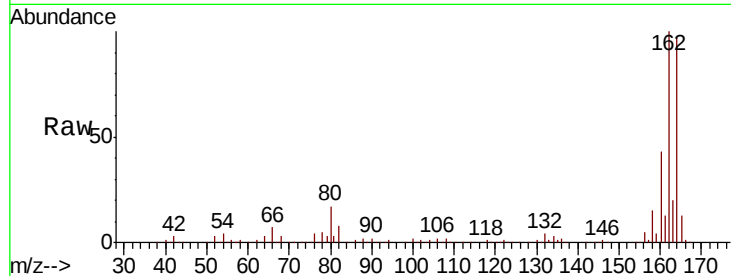




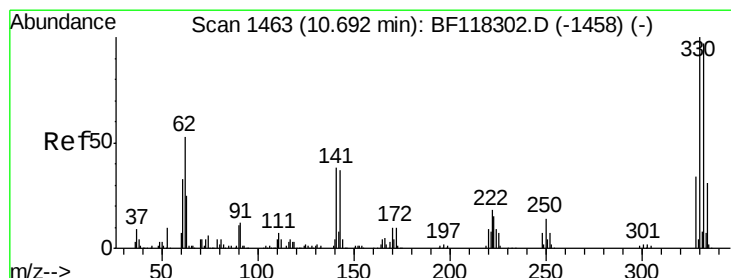
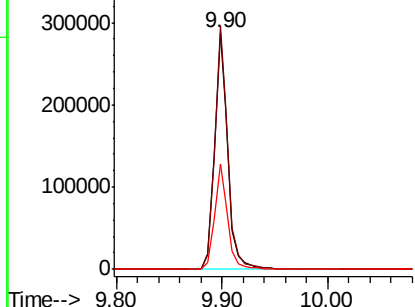
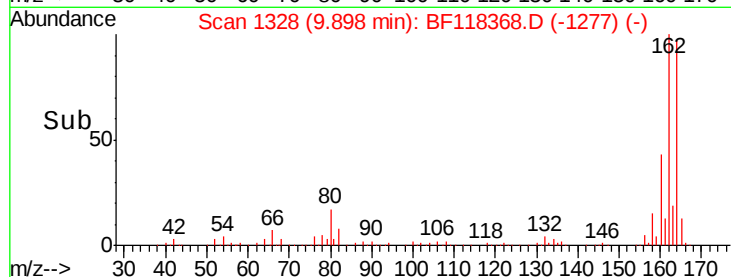
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.00 min
Lab File: BF118368.D
Acq: 28 Dec 2019 16:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 256755
Ion Ratio Lower Upper
164 100
162 103.0 80.0 120.0
160 44.8 34.8 52.2

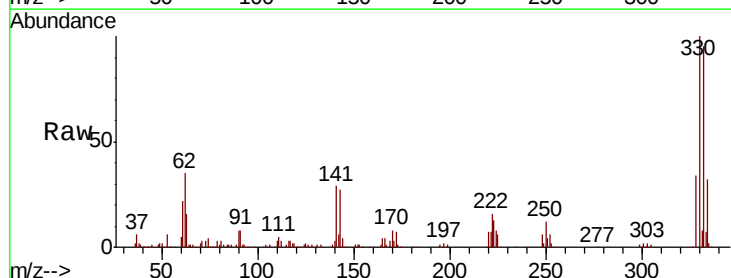


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

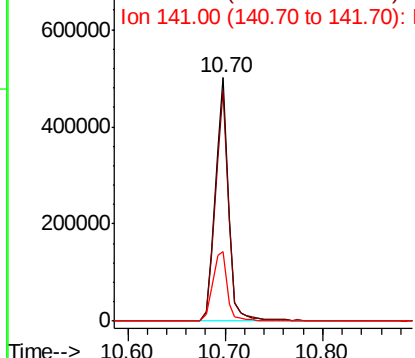
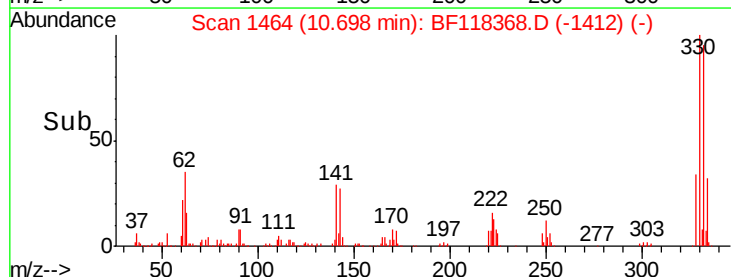


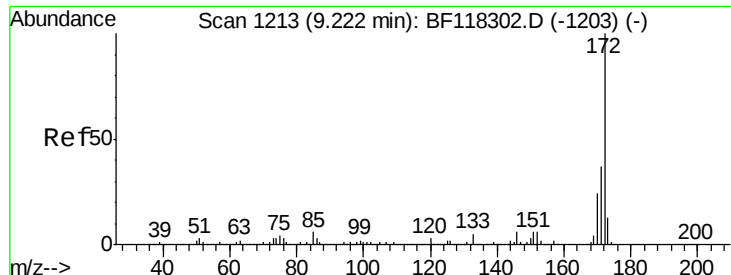
#42
2,4,6-Tribromophenol
Concen: 148.359 ng
RT: 10.70 min Scan# 1464
Delta R.T. 0.01 min
Lab File: BF118368.D
Acq: 28 Dec 2019 16:37

Tgt Ion:330 Resp: 470407
Ion Ratio Lower Upper
330 100
332 96.3 76.6 114.8
141 32.0 26.0 39.0



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

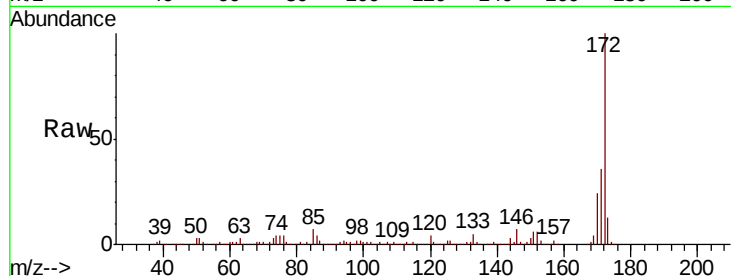




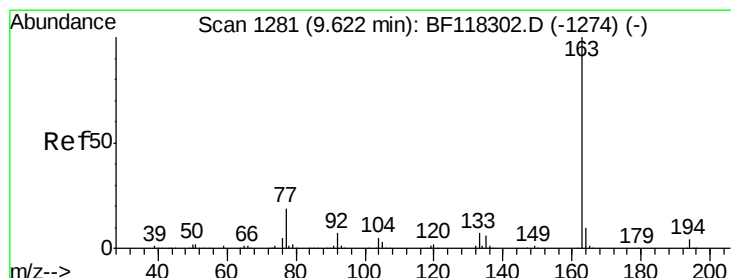
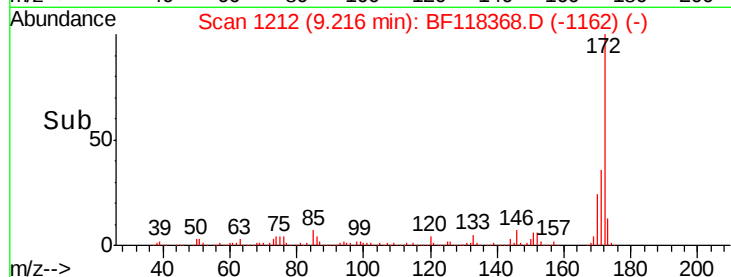
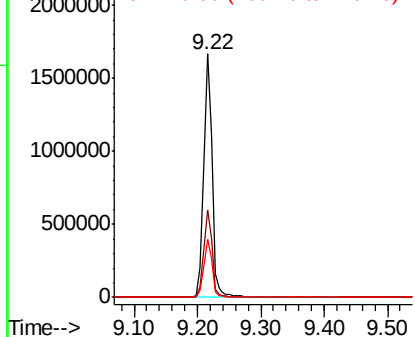
#45
2-Fluorobiphenyl
Concen: 90.221 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF118368.D
Acq: 28 Dec 2019 16:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1517537
Ion Ratio Lower Upper
172 100
171 36.2 29.3 43.9
170 24.1 19.2 28.8

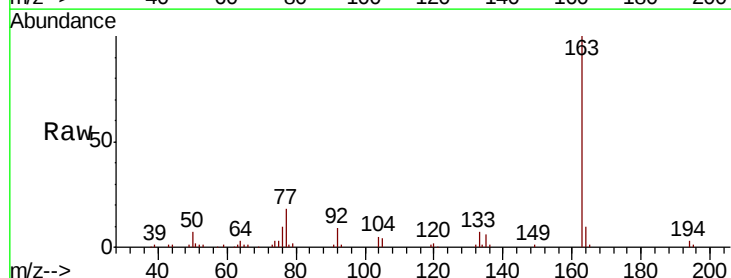


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

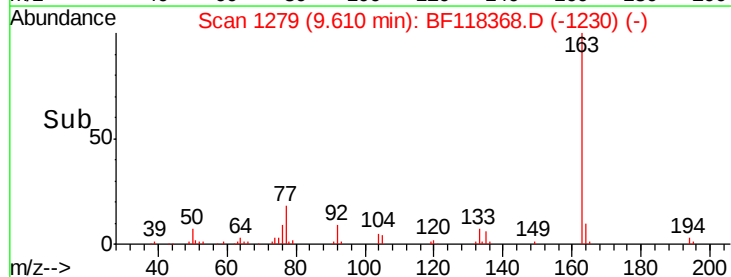
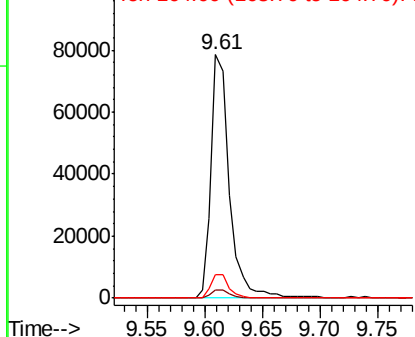


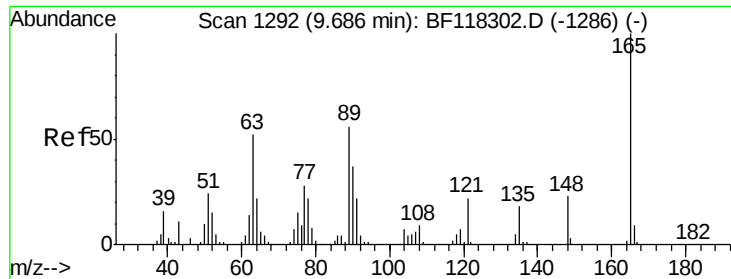
#50
Dimethylphthalate
Concen: 4.525 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF118368.D
Acq: 28 Dec 2019 16:37

Tgt Ion:163 Resp: 87206
Ion Ratio Lower Upper
163 100
194 3.2 3.2 4.8
164 9.7 7.9 11.9



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

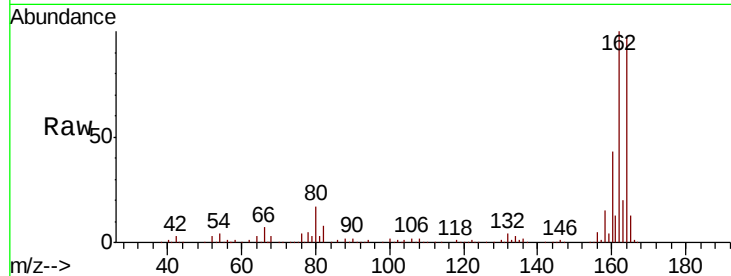




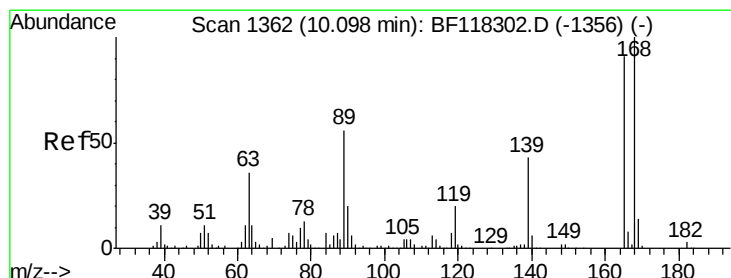
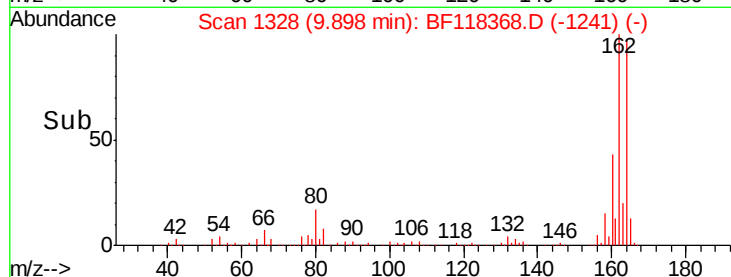
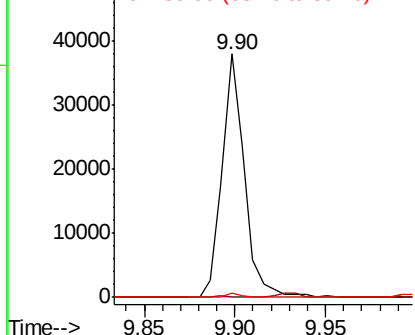
#51
 2,6-Dinitrotoluene
 Concen: 7.868 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.21 min
 Lab File: BF118368.D
 Acq: 28 Dec 2019 16:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.2	63.4#
89	1.6	44.4	66.6#



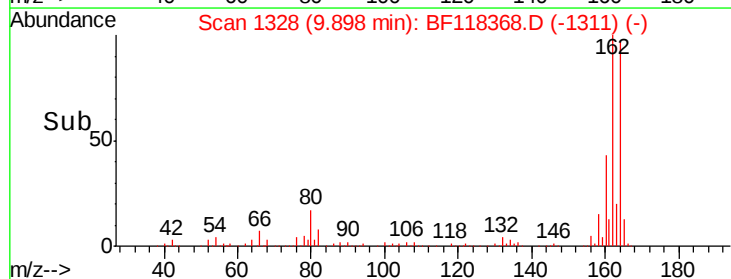
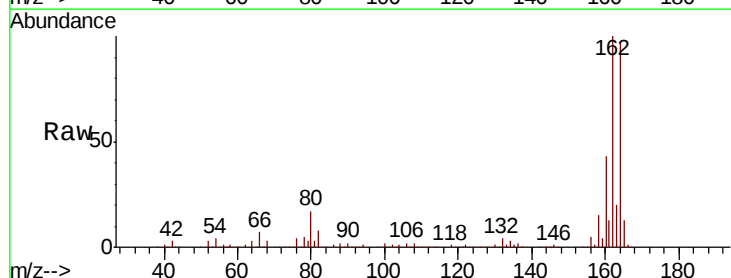
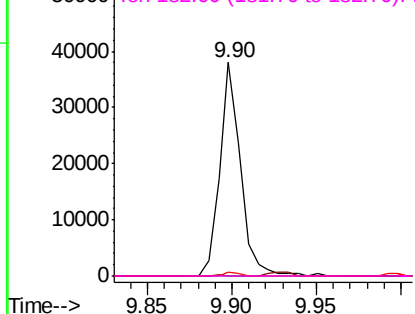
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

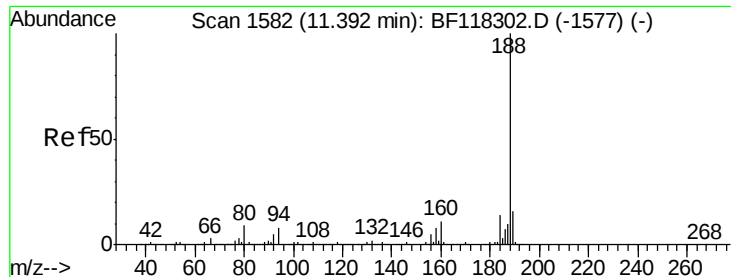


#57
 2,4-Dinitrotoluene
 Concen: 5.888 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.20 min
 Lab File: BF118368.D
 Acq: 28 Dec 2019 16:37

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	32.0	48.0#
89	1.6	49.3	73.9#
182	0.0	2.4	3.6#

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

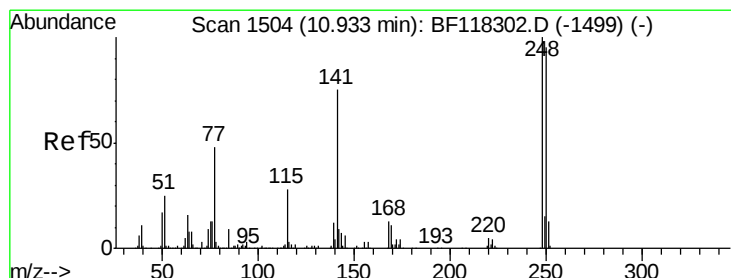
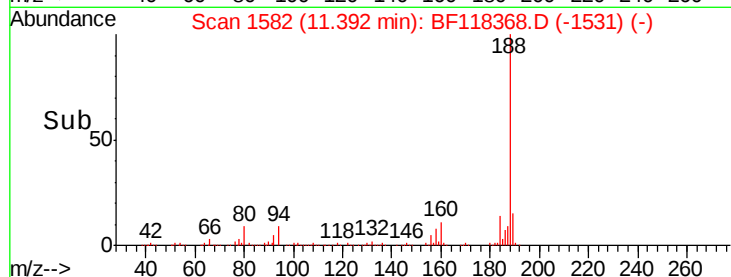
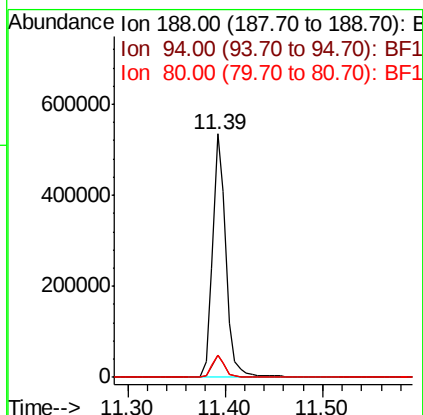
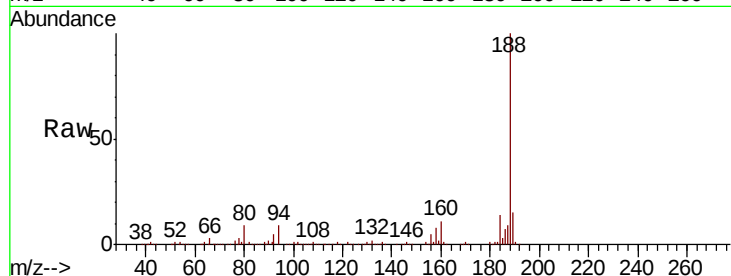




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.00 min
Lab File: BF118368.D
Acq: 28 Dec 2019 16:37

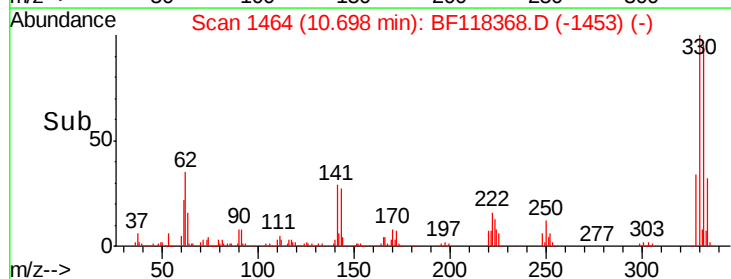
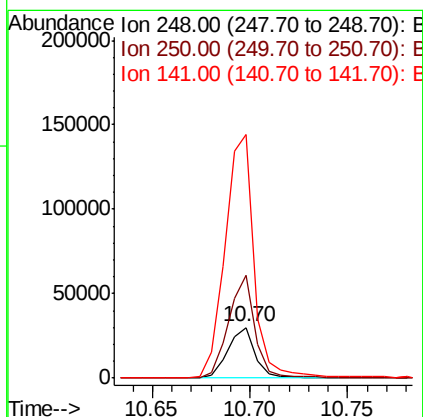
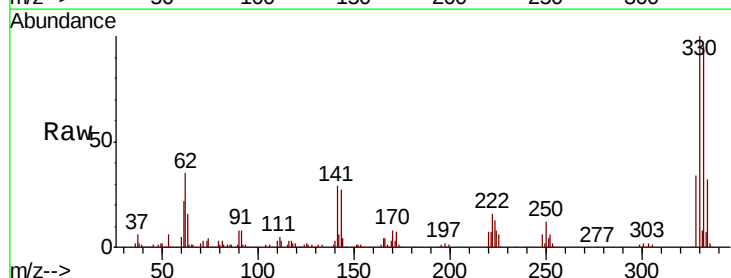
Instrument :
BNA_F
ClientSampleId :

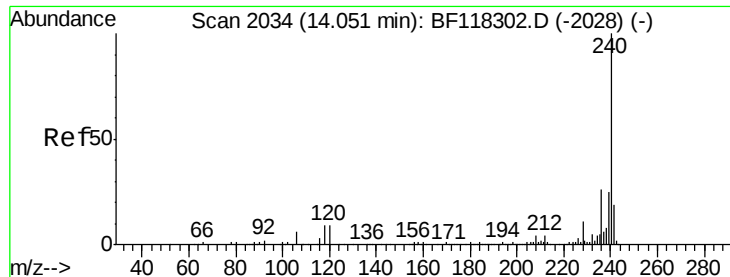
Tot Ion:188 Resp: 507131
Ion Ratio Lower Upper
188 100
94 9.1 6.7 10.1
80 9.2 7.2 10.8



#67
4-Bromophenyl-phenylether
Concen: 4.916 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.24 min
Lab File: BF118368.D
Acq: 28 Dec 2019 16:37

Tgt Ion:248 Resp: 29177
Ion Ratio Lower Upper
248 100
250 203.9 76.4 114.6#
141 482.4 60.2 90.2#

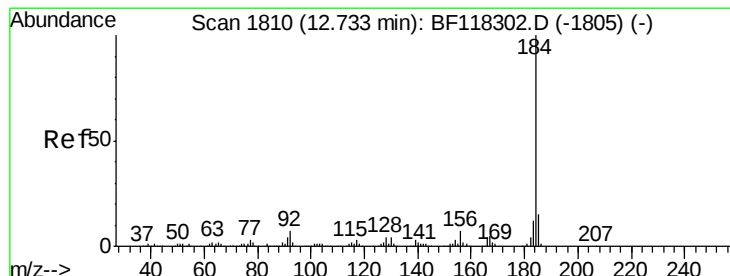
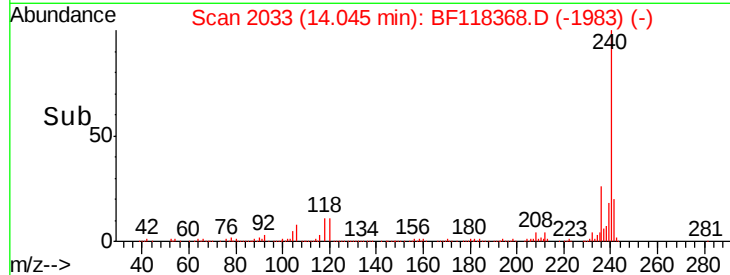
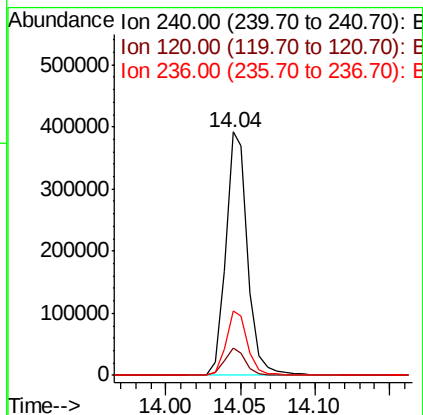
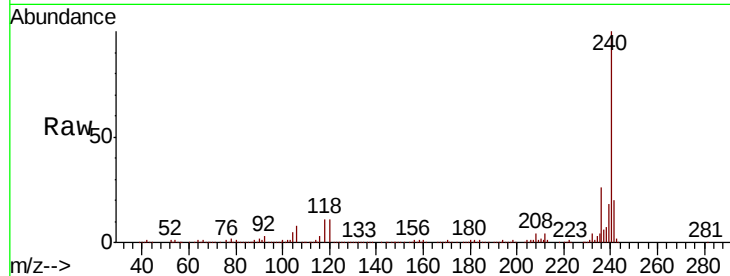




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF118368.D
 Acq: 28 Dec 2019 16:37

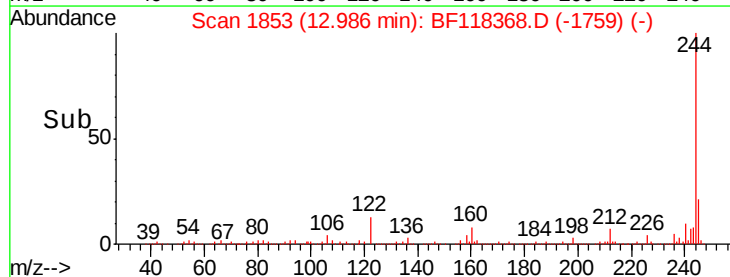
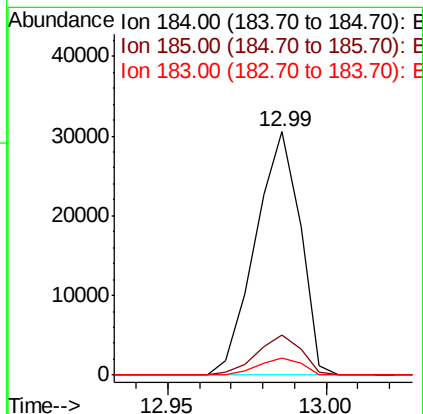
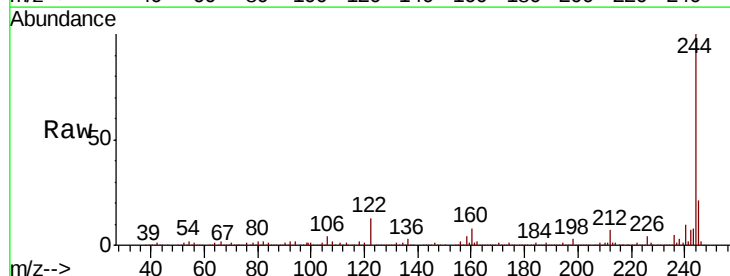
Instrument :
 BNA_F
 ClientSampleId :

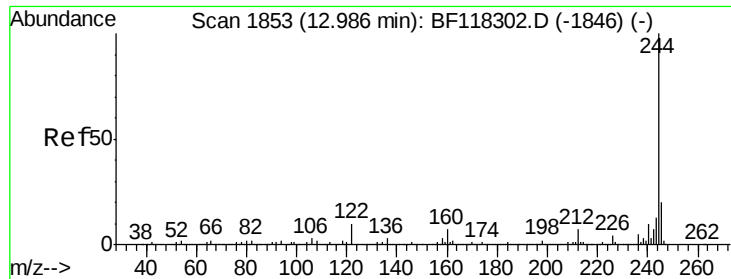
Tot Ion:240 Resp: 405219
 Ion Ratio Lower Upper
 240 100
 120 11.2 7.1 10.7#
 236 26.2 21.0 31.6



#77
 Benzidine
 Concen: 2.706 ng
 RT: 12.99 min Scan# 1853
 Delta R.T. 0.25 min
 Lab File: BF118368.D
 Acq: 28 Dec 2019 16:37

Tgt Ion:184 Resp: 30044
 Ion Ratio Lower Upper
 184 100
 185 16.2 12.3 18.5
 183 6.8 9.4 14.2#





#79

Terphenyl-d14

Concen: 86.577 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.00 min

Lab File: BF118368.D

Acq: 28 Dec 2019 16:37

Instrument :

BNA_F

ClientSampleId :

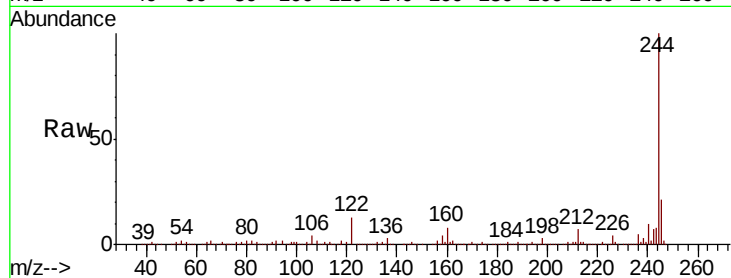
Tot Ion:244 Resp: 2114655

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.2

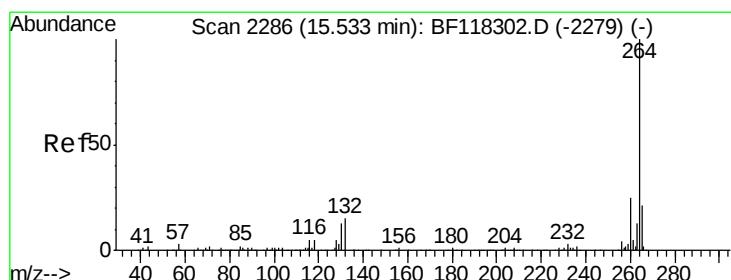
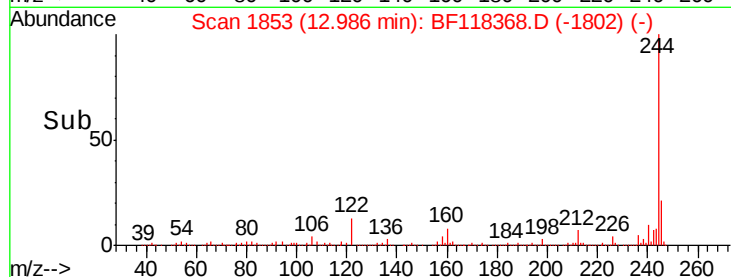
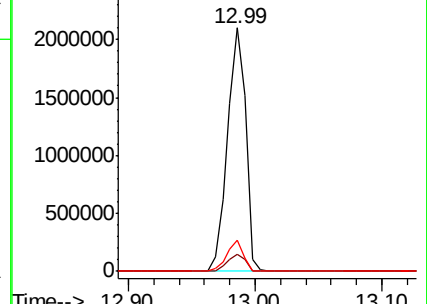
122 12.6 7.8 11.8#



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

Perylene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2287

Delta R.T. 0.01 min

Lab File: BF118368.D

Acq: 28 Dec 2019 16:37

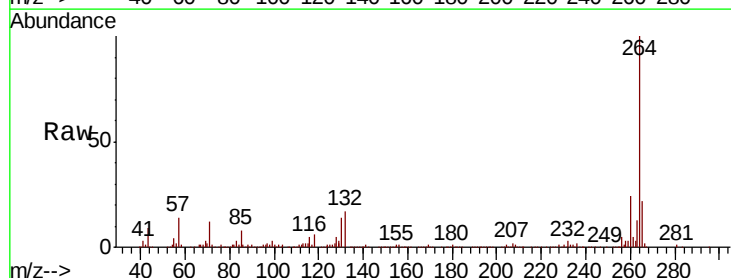
Tgt Ion:264 Resp: 408256

Ion Ratio Lower Upper

264 100

260 24.4 19.8 29.6

265 21.7 17.0 25.4



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

