

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122819\
 Data File : BF118370.D
 Acq On : 28 Dec 2019 17:33
 Operator : JU
 Sample : K6434-06
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 29 07:02:58 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

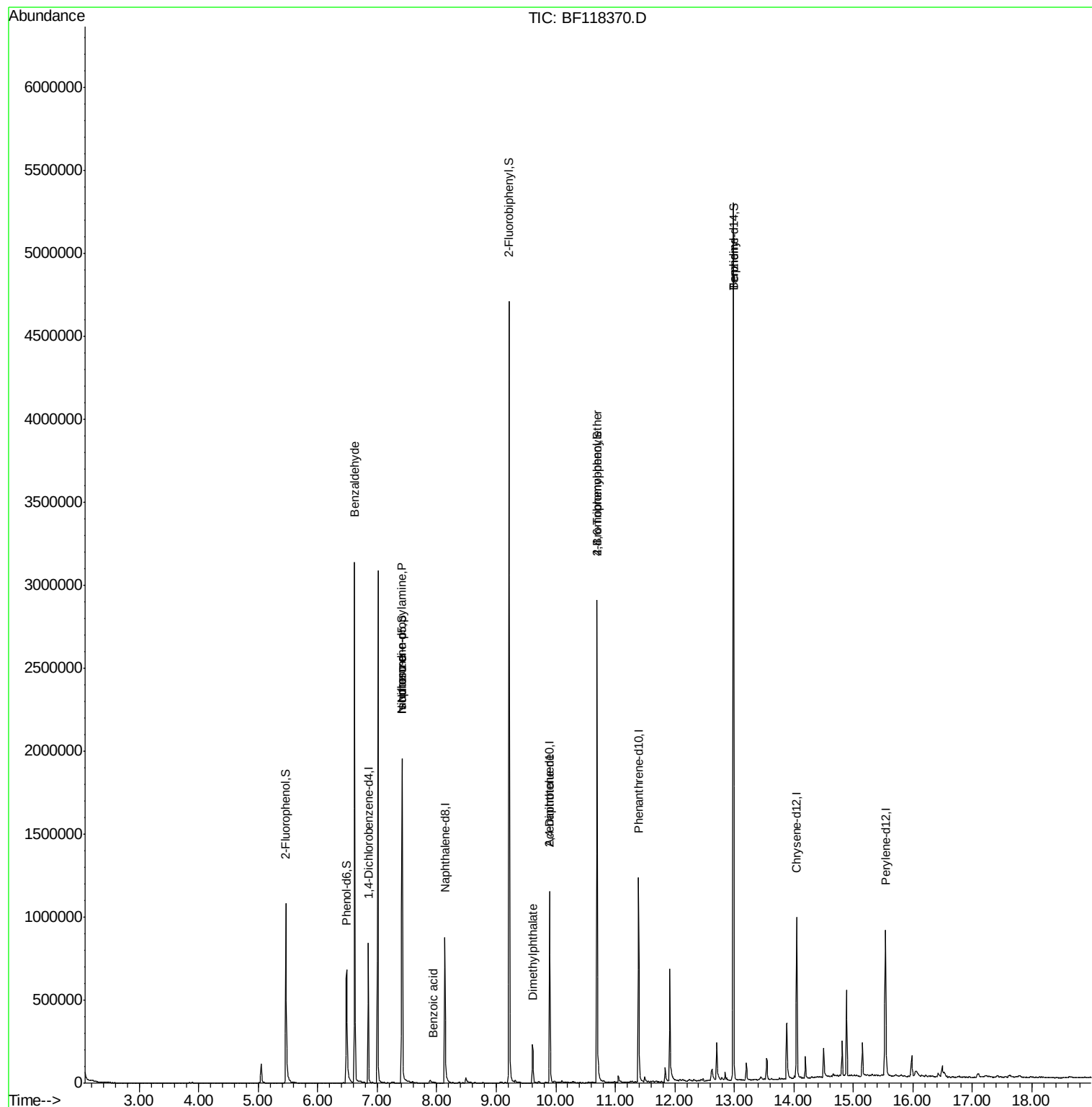
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	119768	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	454566	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	241151	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	443119	20.00	ng	0.00
76) Chrysene-d12	14.04	240	340590	20.00	ng	0.00
87) Perylene-d12	15.54	264	372402	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	399873	56.99	ng	0.00
7) Phenol-d6	6.49	99	299845	34.45	ng	0.00
23) Nitrobenzene-d5	7.42	82	720597	90.67	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	424294	142.47	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1429418	90.48	ng	0.00
79) Terphenyl-d14	12.99	244	1786084	87.00	ng	0.00
Target Compounds						
9) Benzaldehyde	6.62	77	17450	3.420	ng	# 84
19) n-Nitroso-di-n-propylamine	7.42	70	98177	18.310	ng	# 77
25) Isophorone	7.42	82	720592	52.024	ng	# 62
32) Benzoic acid	7.95	122	253	5.723	ng	# 1
50) Dimethylphthalate	9.61	163	111606	6.165	ng	99
57) 2,4-Dinitrotoluene	9.90	165	30789	5.904	ng	# 30
67) 4-Bromophenyl-phenylether	10.70	248	25923	4.999	ng	# 1
77) Benzidine	12.99	184	23682	2.538	ng	# 91

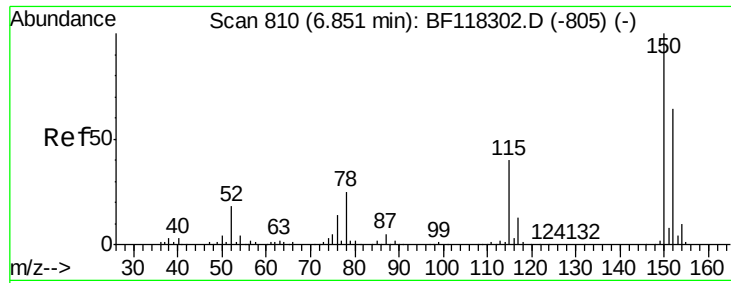
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 15 Sample Multiplier: 1

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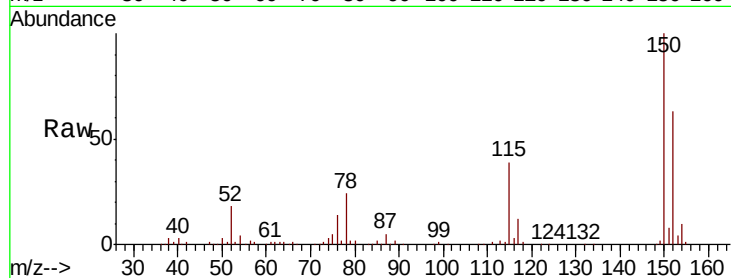


#1

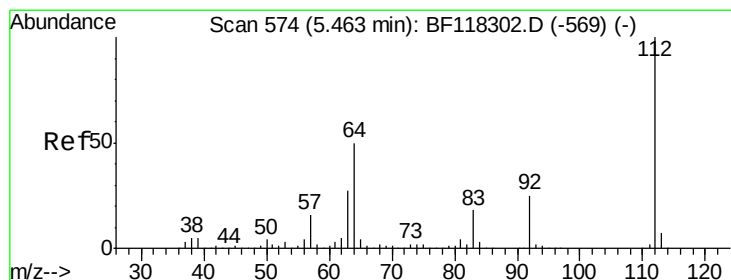
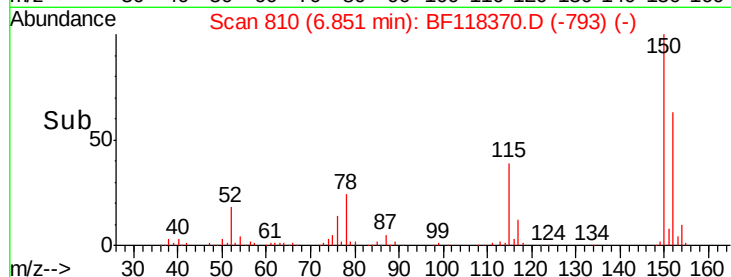
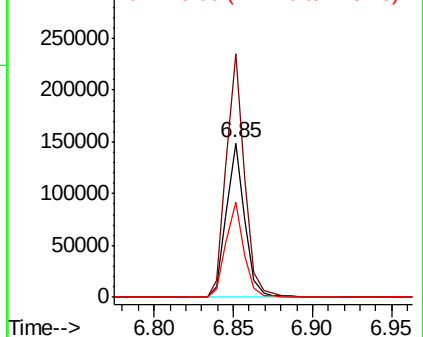
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF118370.D
Acq: 28 Dec 2019 17:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 119768
Ion Ratio Lower Upper
152 100
150 157.7 125.4 188.2
115 61.5 50.2 75.4



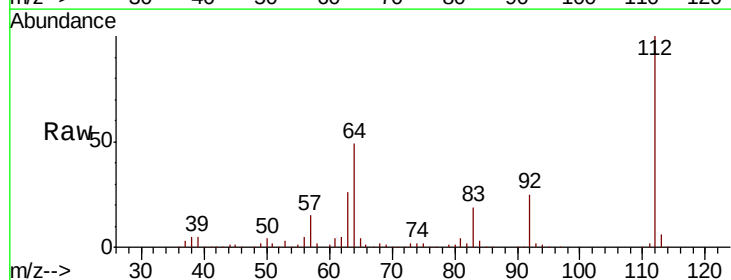
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



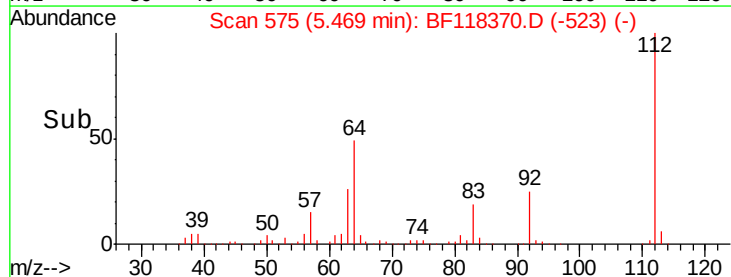
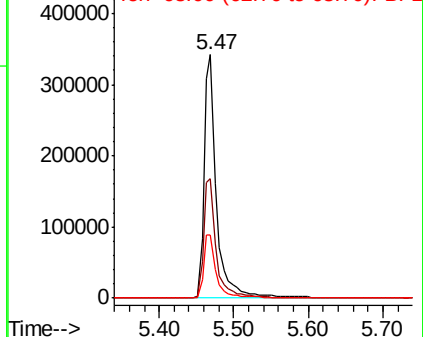
#5

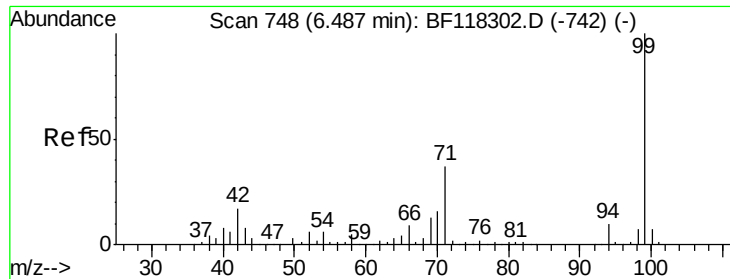
2-Fluorophenol
Concen: 56.992 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF118370.D
Acq: 28 Dec 2019 17:33

Tgt Ion:112 Resp: 399873
Ion Ratio Lower Upper
112 100
64 49.0 39.7 59.5
63 26.0 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: 34.449 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF118370.D

Acq: 28 Dec 2019 17:33

Instrument :

BNA_F

ClientSampleId :

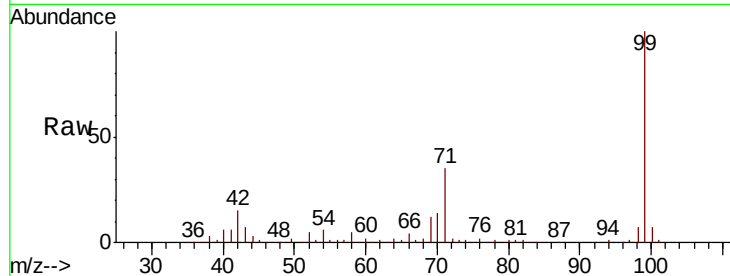
Tot Ion: 99 Resp: 299845

Ion Ratio Lower Upper

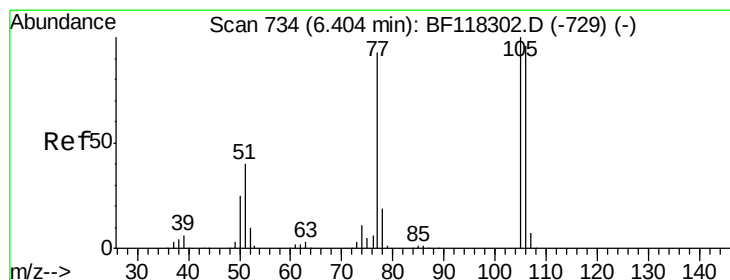
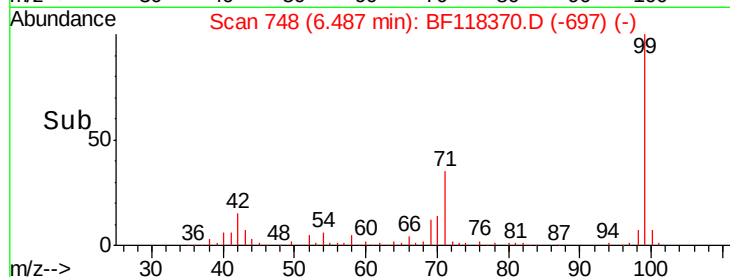
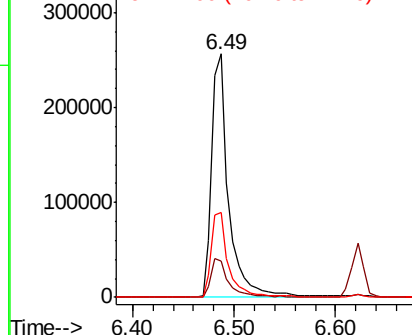
99 100

42 15.1 13.5 20.3

71 34.6 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: 3.420 ng

RT: 6.62 min Scan# 771

Delta R.T. 0.22 min

Lab File: BF118370.D

Acq: 28 Dec 2019 17:33

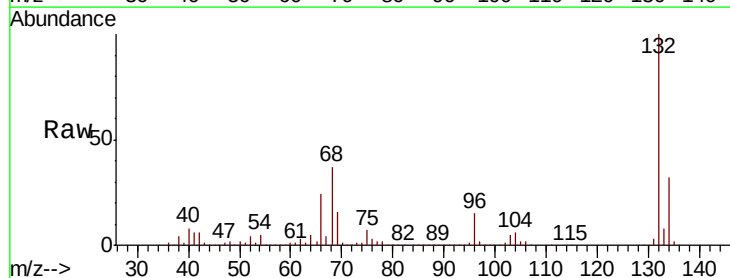
Tgt Ion: 77 Resp: 17450

Ion Ratio Lower Upper

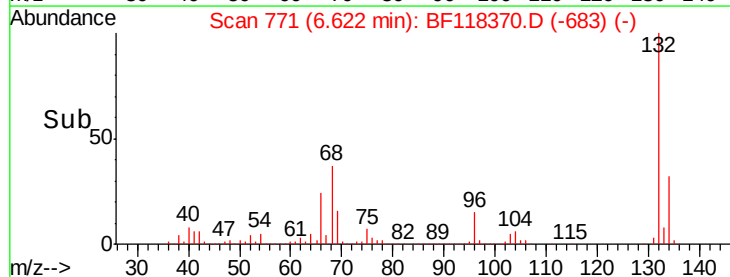
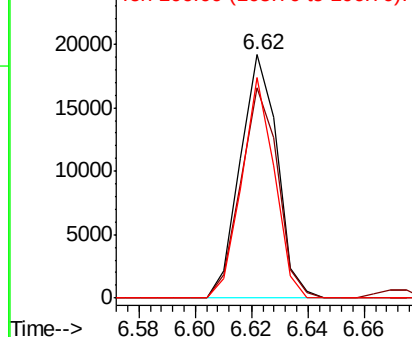
77 100

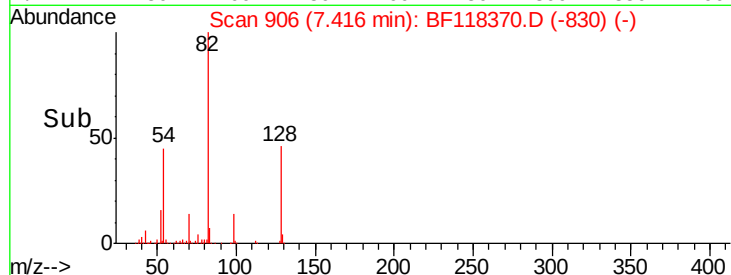
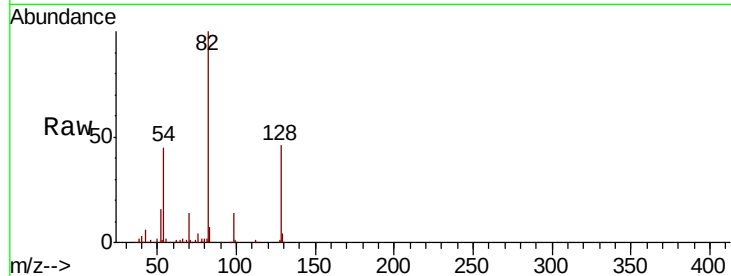
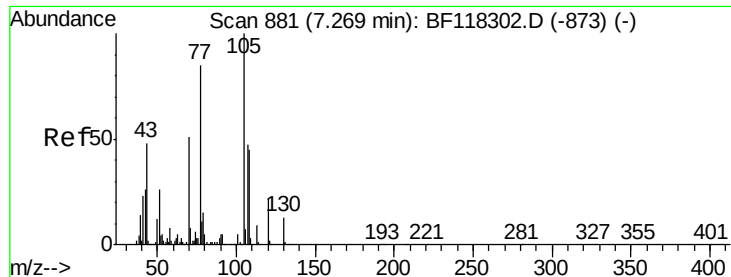
105 86.6 87.5 127.5#

106 90.7 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

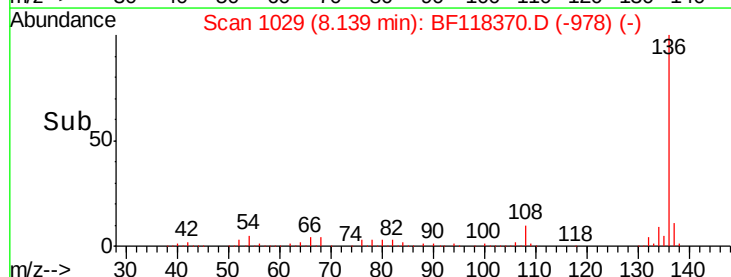
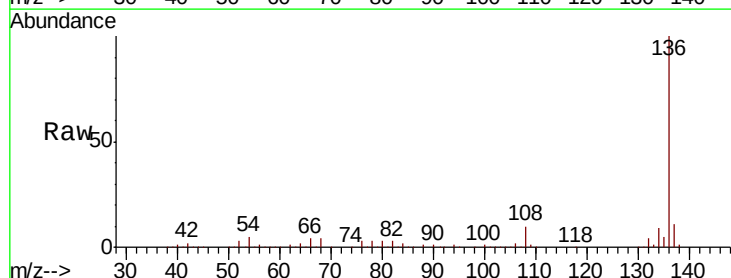
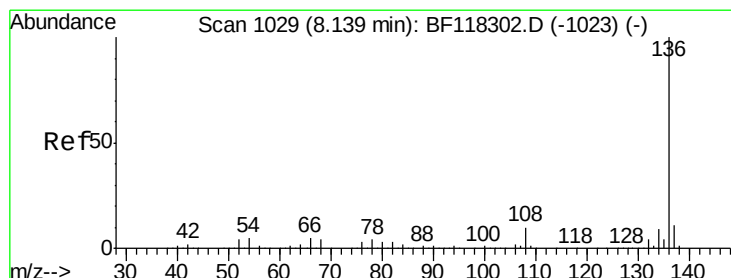
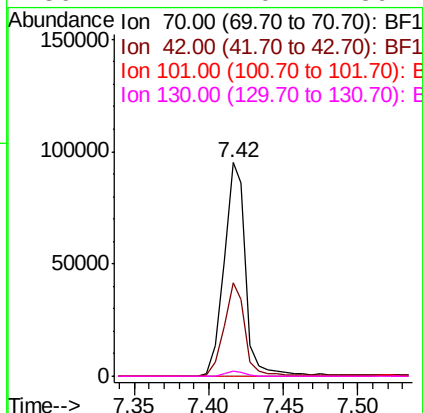




#19
n-Nitroso-di-n-propylamine
Concen: 18.310 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.15 min
Lab File: BF118370.D
Acq: 28 Dec 2019 17:33

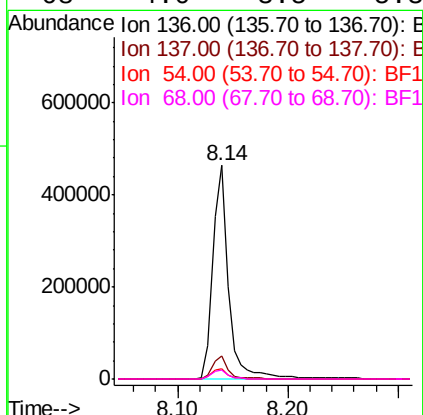
Instrument :
BNA_F
ClientSampleId :

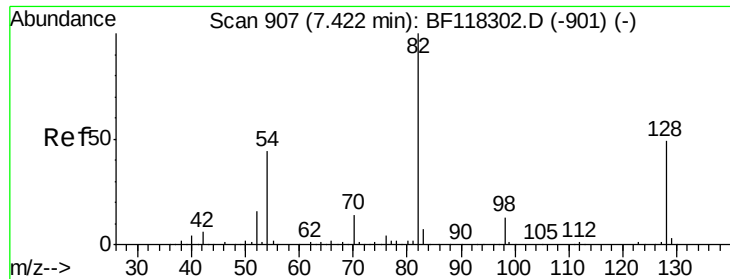
Tot Ion	Ratio	Lower	Upper
70	100		
42	43.7	41.1	61.7
101	0.0	8.3	12.5
130	2.2	20.1	30.1



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BF118370.D
Acq: 28 Dec 2019 17:33

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	5.0	4.2	6.4
68	4.0	3.5	5.3

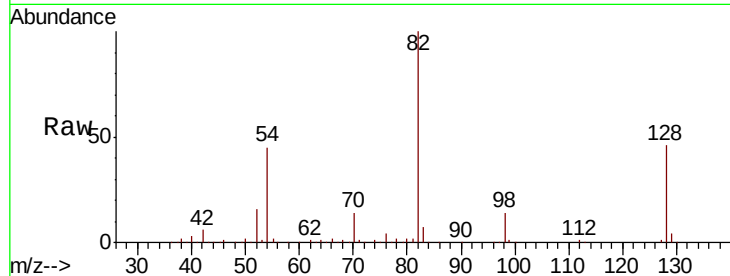




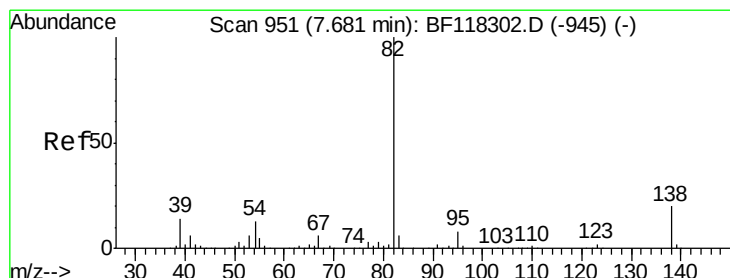
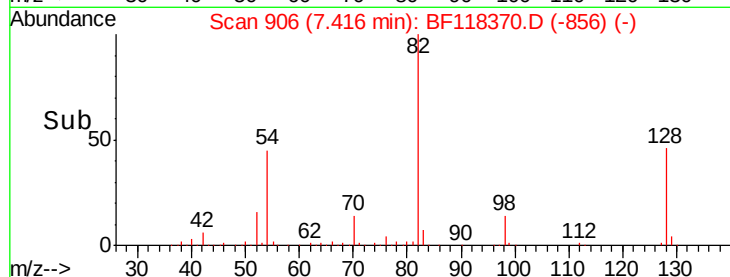
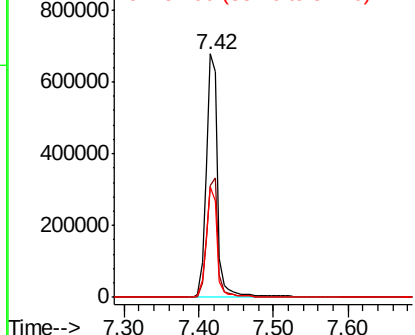
#23
Nitrobenzene-d5
Concen: 90.668 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF118370.D
Acq: 28 Dec 2019 17:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	720597
Ion Ratio	100	Lower	Upper
128	46.2	39.6	59.4
54	45.5	34.9	52.3

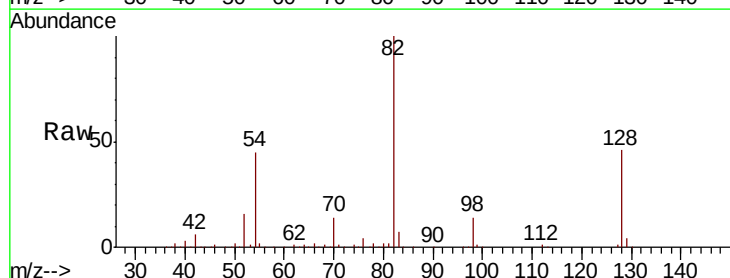


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

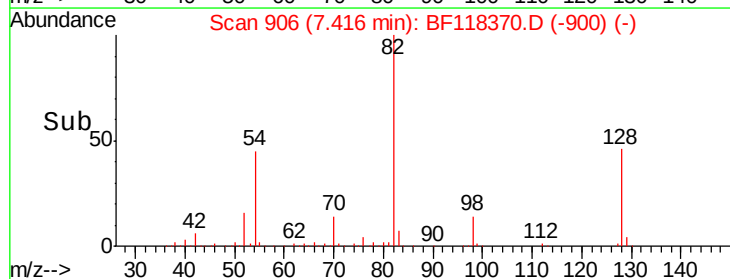
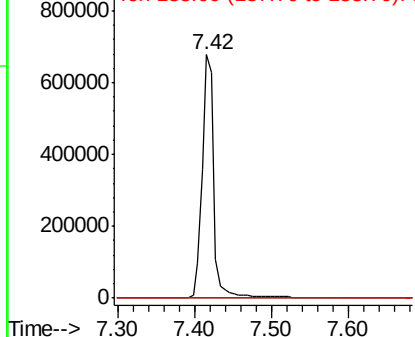


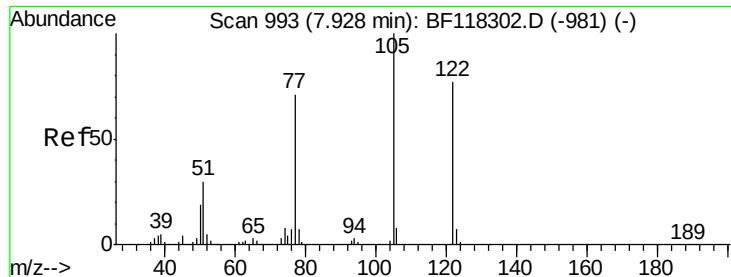
#25
Isophorone
Concen: 52.024 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.26 min
Lab File: BF118370.D
Acq: 28 Dec 2019 17:33

Tgt Ion	82	Resp	720592
Ion Ratio	100	Lower	Upper
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

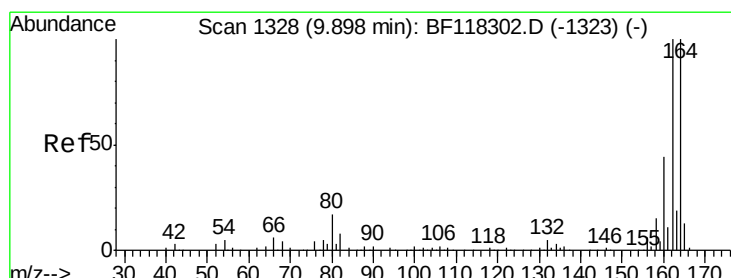
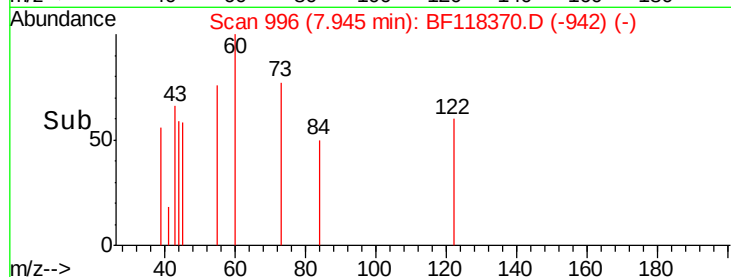
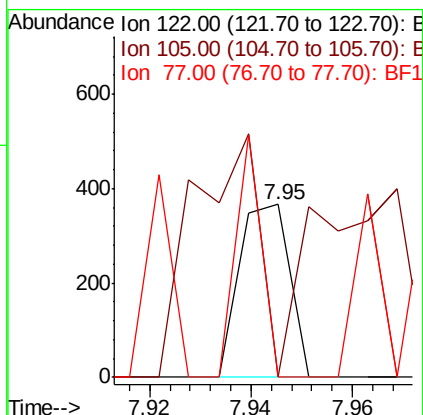
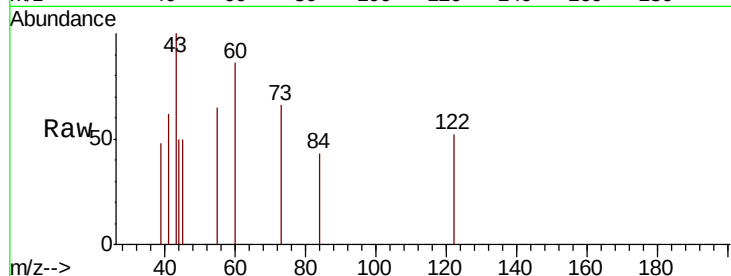




#32
Benzoic acid
Concen: 5.723 ng
RT: 7.95 min Scan# 996
Delta R.T. 0.02 min
Lab File: BF118370.D
Acq: 28 Dec 2019 17:33

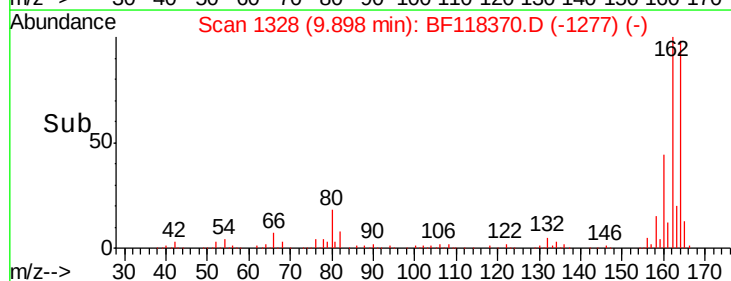
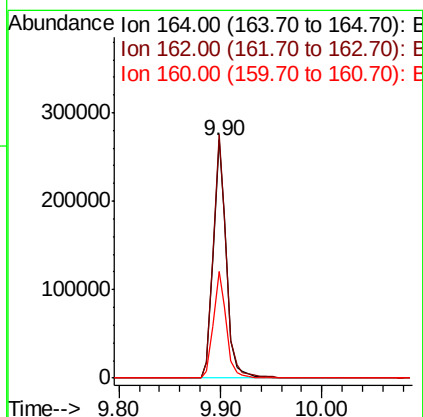
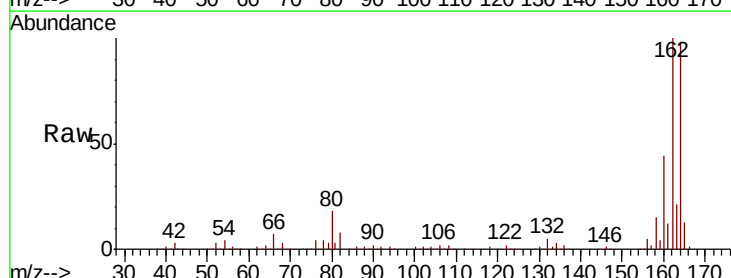
Instrument :
BNA_F
ClientSampled :

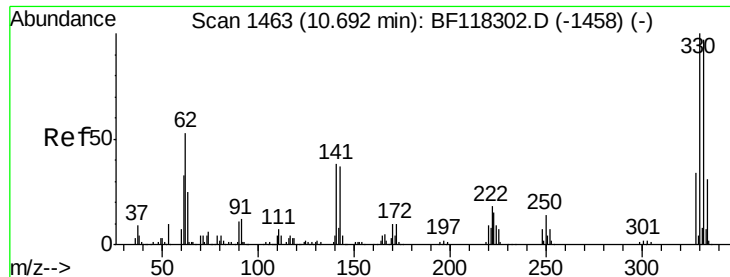
Tot Ion:122 Resp: 253
Ion Ratio Lower Upper
122 100
105 0.0 106.8 146.8#
77 0.0 70.4 110.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.00 min
Lab File: BF118370.D
Acq: 28 Dec 2019 17:33

Tgt Ion:164 Resp: 241151
Ion Ratio Lower Upper
164 100
162 102.2 80.0 120.0
160 44.9 34.8 52.2

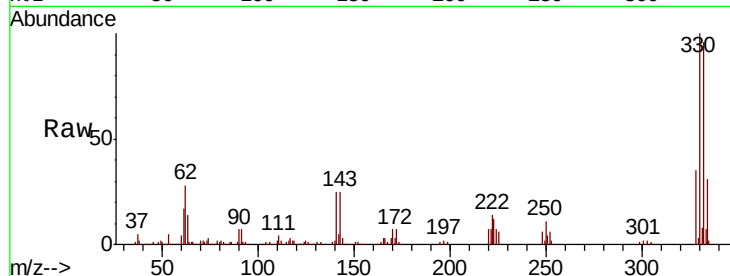




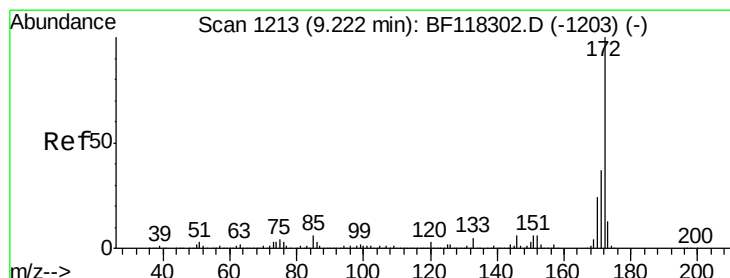
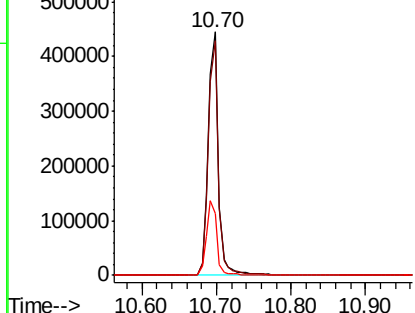
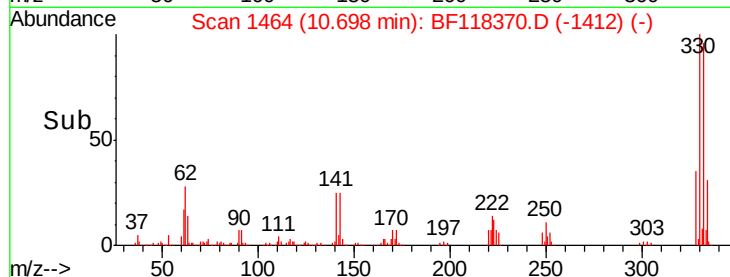
#42
 2,4,6-Tribromophenol
 Concen: 142.474 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: BF118370.D
 Acq: 28 Dec 2019 17:33

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 424294
 Ion Ratio Lower Upper
 330 100
 332 95.9 76.6 114.8
 141 31.5 26.0 39.0

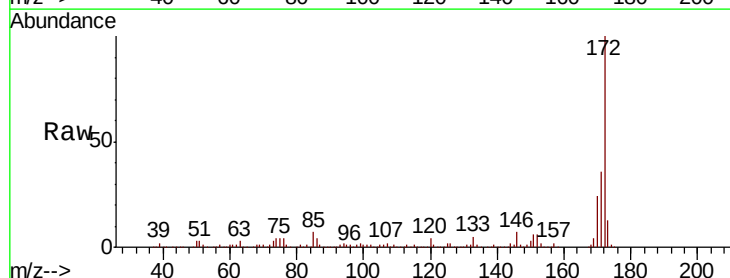


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

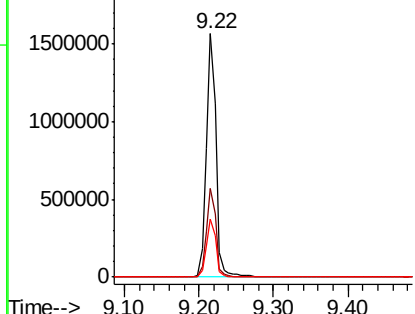
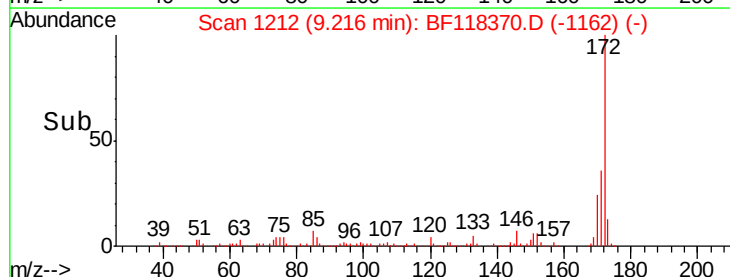


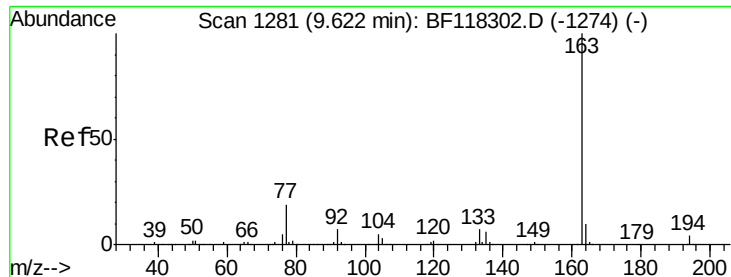
#45
 2-Fluorobiphenyl
 Concen: 90.481 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF118370.D
 Acq: 28 Dec 2019 17:33

Tgt Ion:172 Resp: 1429418
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.3 43.9
 170 24.0 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

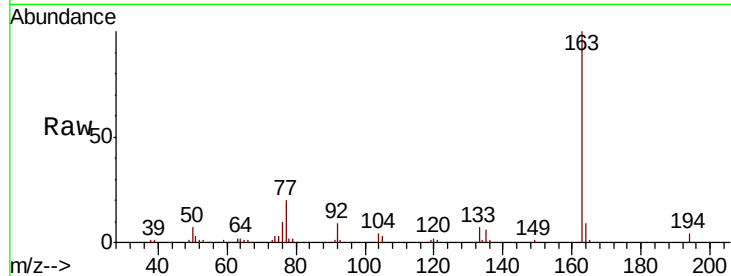




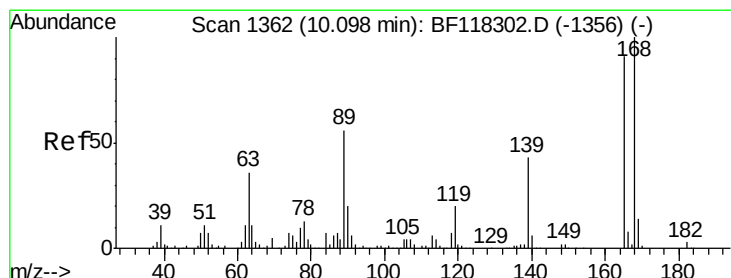
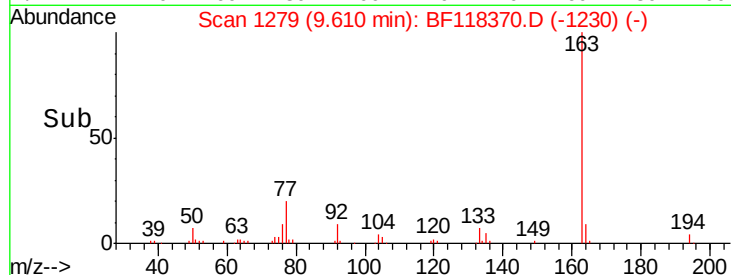
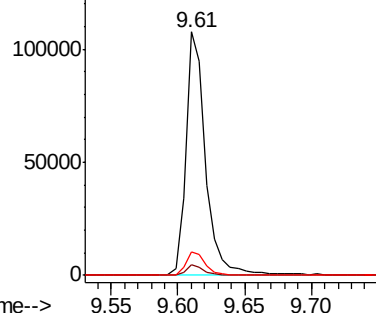
#50
Dimethylphthalate
Concen: 6.165 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF118370.D
Acq: 28 Dec 2019 17:33

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.2	4.8
164	9.4	7.9	11.9



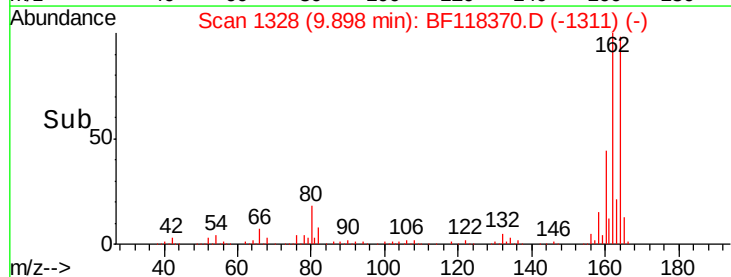
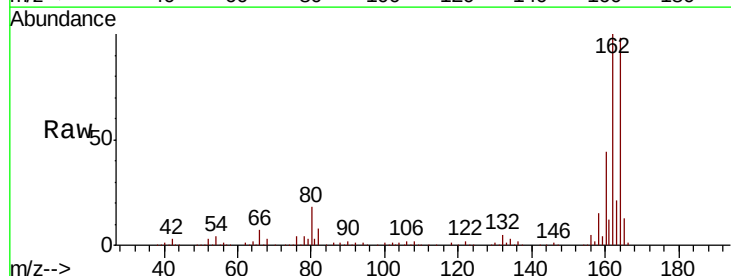
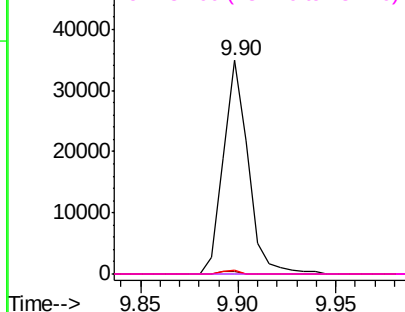
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

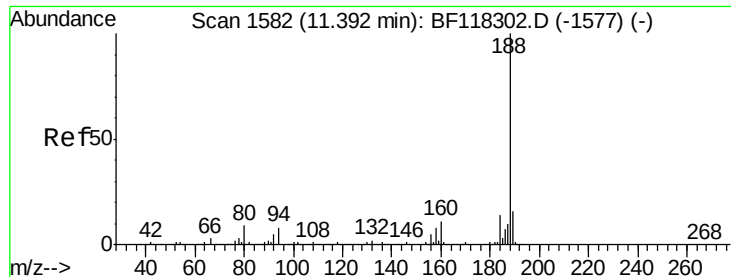


#57
2,4-Dinitrotoluene
Concen: 5.904 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.20 min
Lab File: BF118370.D
Acq: 28 Dec 2019 17:33

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	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: BF118370.D

Acq: 28 Dec 2019 17:33

Instrument :

BNA_F

ClientSampleId :

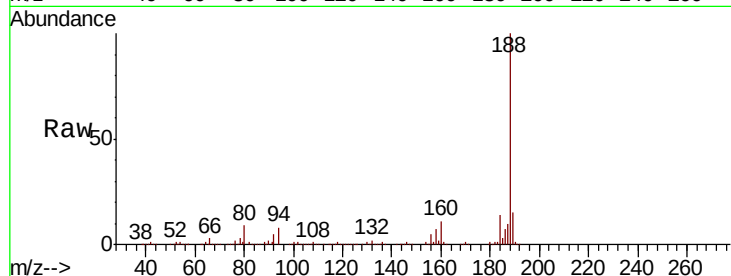
Tot Ion:188 Resp: 443119

Ion Ratio Lower Upper

188 100

94 8.1 6.7 10.1

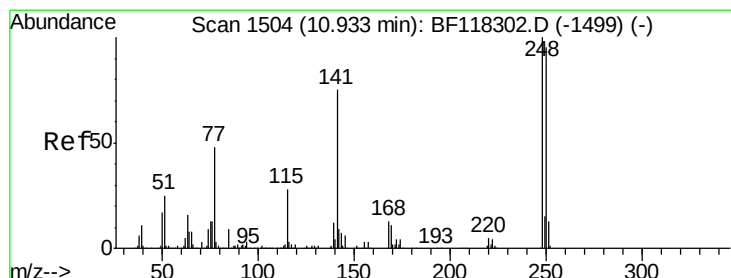
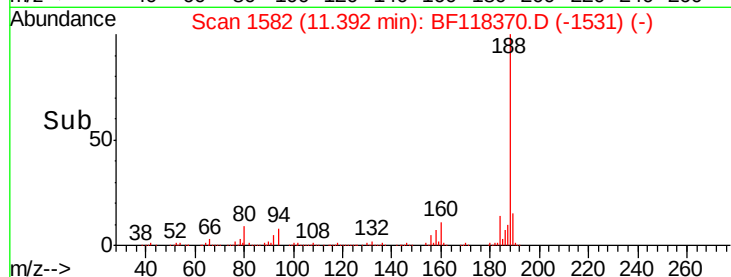
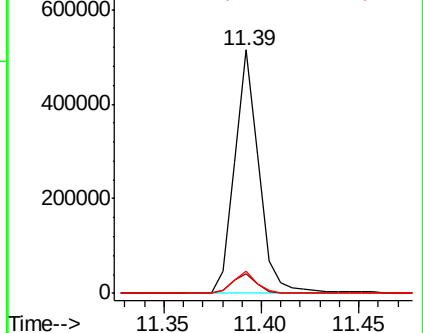
80 9.0 7.2 10.8



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: 4.999 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.24 min

Lab File: BF118370.D

Acq: 28 Dec 2019 17:33

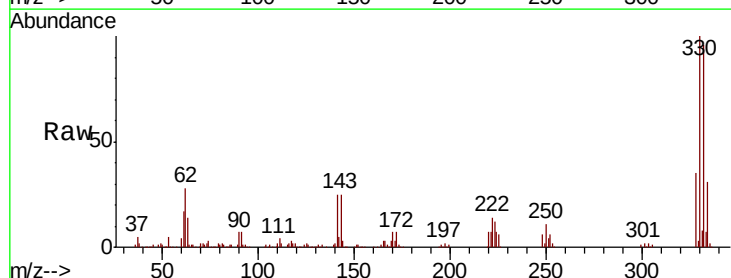
Tgt Ion:248 Resp: 25923

Ion Ratio Lower Upper

248 100

250 199.6 76.4 114.6#

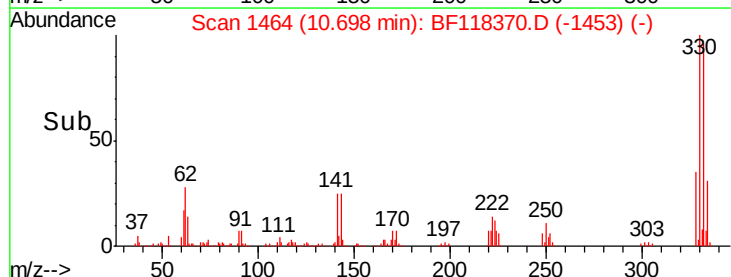
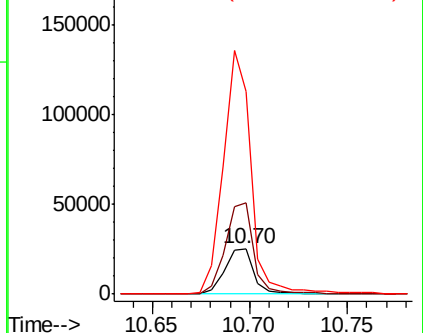
141 441.4 60.2 90.2#

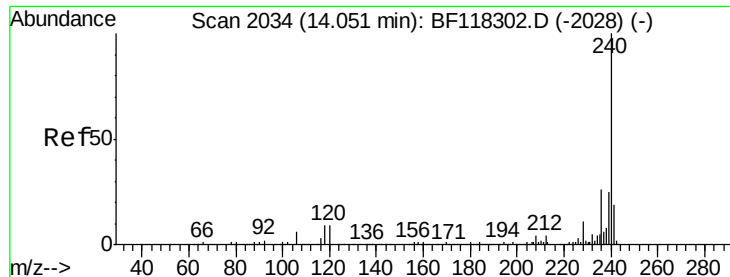


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF118370.D

Acq: 28 Dec 2019 17:33

Instrument :

BNA_F

ClientSampleId :

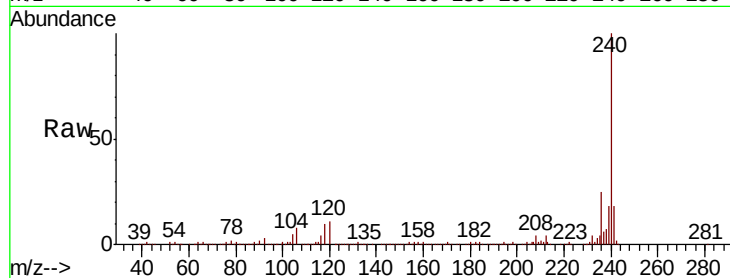
Tot Ion:240 Resp: 340590

Ion Ratio Lower Upper

240 100

120 11.0 7.1 10.7#

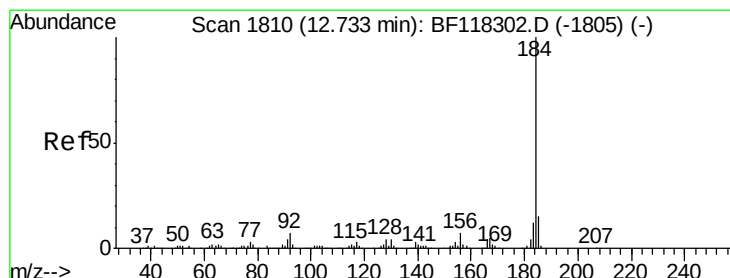
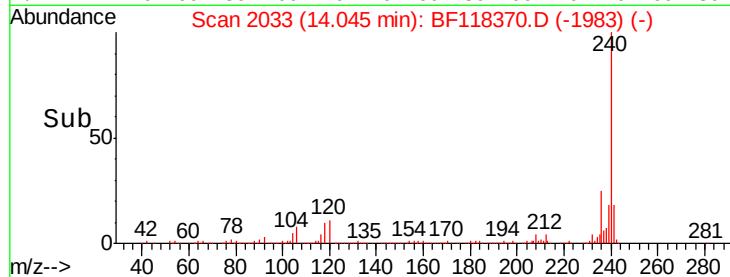
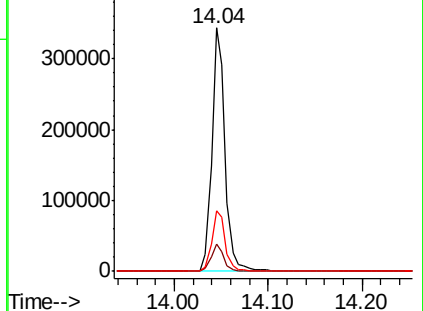
236 24.9 21.0 31.6



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: 2.538 ng

RT: 12.99 min Scan# 1853

Delta R.T. 0.25 min

Lab File: BF118370.D

Acq: 28 Dec 2019 17:33

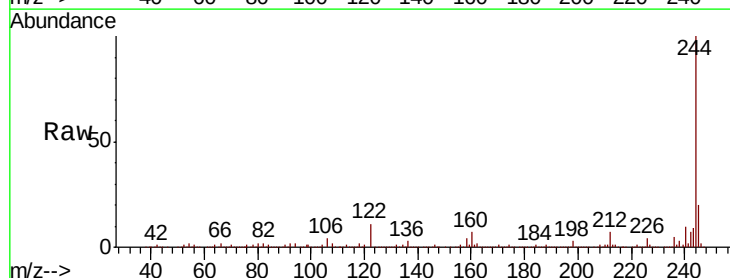
Tgt Ion:184 Resp: 23682

Ion Ratio Lower Upper

184 100

185 19.1 12.3 18.5#

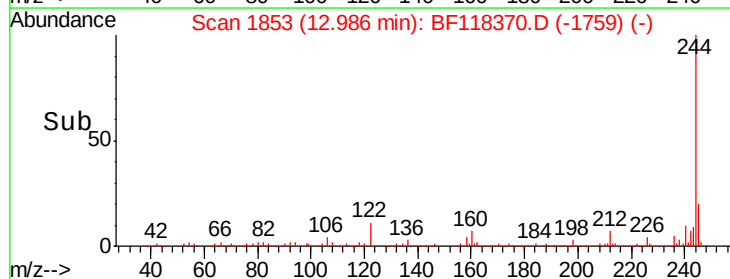
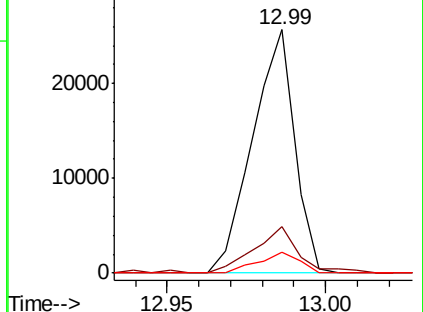
183 8.4 9.4 14.2#

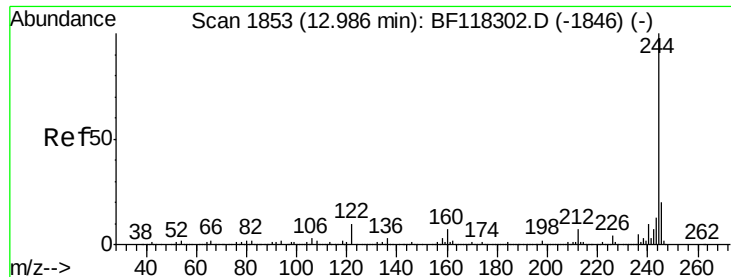


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 87.001 ng

RT: 12.99 min Scan# 1853

Delta R.T. 0.00 min

Lab File: BF118370.D

Acq: 28 Dec 2019 17:33

Instrument :

BNA_F

ClientSampled :

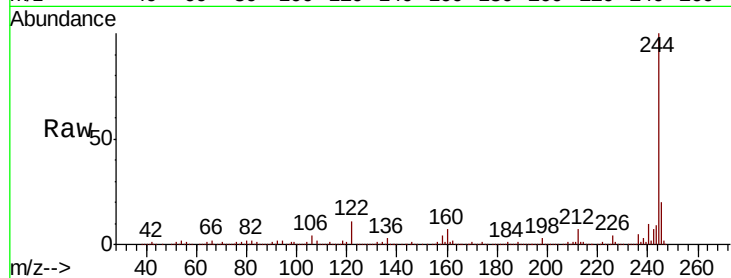
Tot Ion:244 Resp: 1786084

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.2

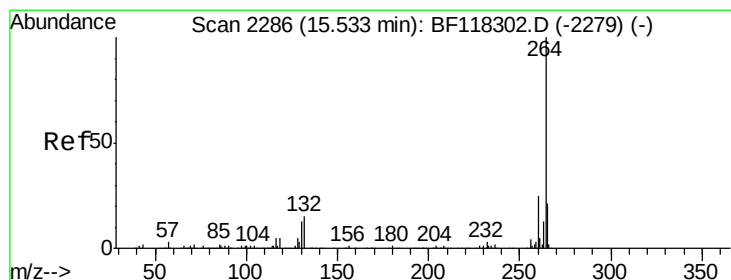
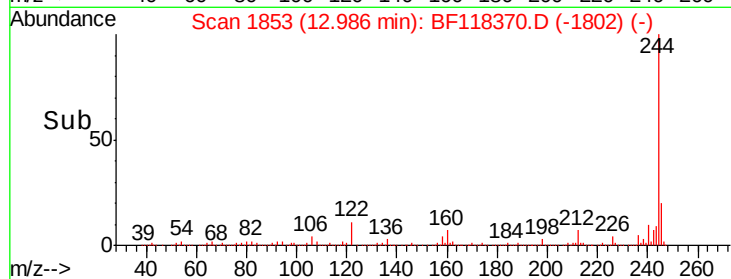
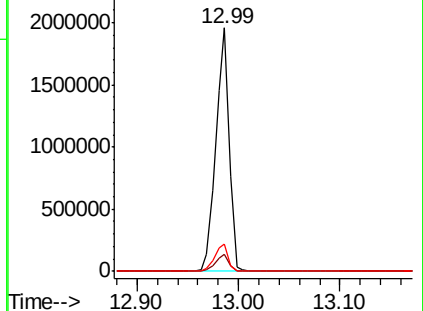
122 11.4 7.8 11.8



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: BF118370.D

Acq: 28 Dec 2019 17:33

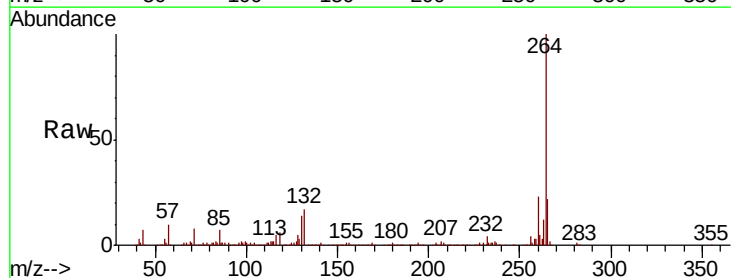
Tgt Ion:264 Resp: 372402

Ion Ratio Lower Upper

264 100

260 23.1 19.8 29.6

265 22.1 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

