

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122819\
 Data File : BF118367.D
 Acq On : 28 Dec 2019 16:09
 Operator : JU
 Sample : K6434-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 29 07:02:28 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

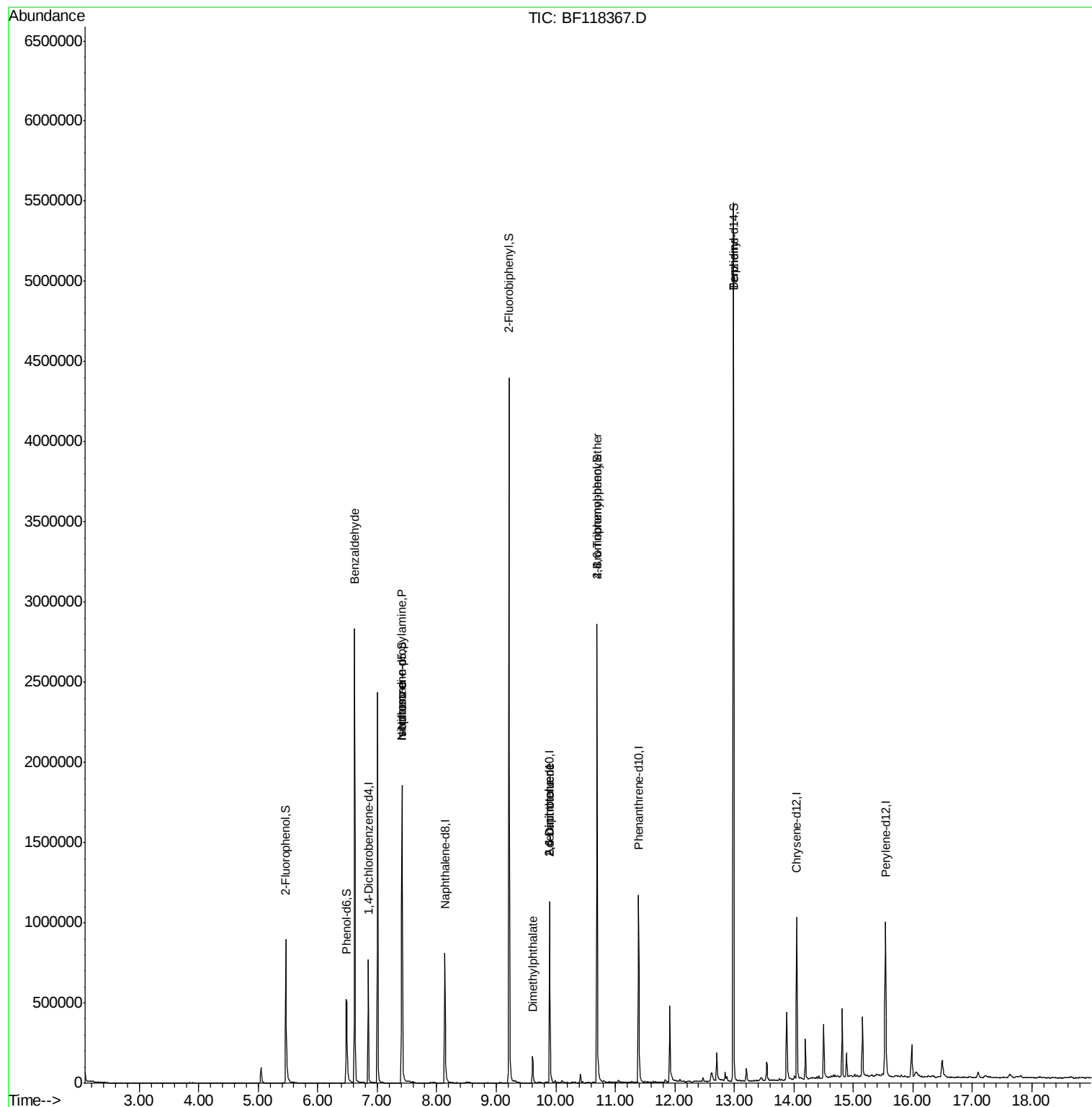
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	108996	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	422412	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	226789	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	432723	20.00	ng	0.00
76) Chrysene-d12	14.04	240	351197	20.00	ng	0.00
87) Perylene-d12	15.54	264	341466	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	324086	50.76	ng	0.00
7) Phenol-d6	6.48	99	248795	31.41	ng	0.00
23) Nitrobenzene-d5	7.42	82	642570	87.00	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	400771	143.10	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1311928	88.30	ng	0.00
79) Terphenyl-d14	12.99	244	1871158	88.39	ng	0.00
Target Compounds						
9) Benzaldehyde	6.62	77	15731	3.387	ng	# 79
19) n-Nitroso-di-n-propylamine	7.42	70	86757	17.779	ng	# 76
25) Isophorone	7.42	82	642564	49.922	ng	# 62
50) Dimethylphthalate	9.61	163	80017	4.700	ng	# 99
51) 2,6-Dinitrotoluene	9.90	165	28669	7.811	ng	# 26
57) 2,4-Dinitrotoluene	9.90	165	28669	5.846	ng	# 30
67) 4-Bromophenyl-phenylether	10.70	248	25036	4.944	ng	# 1
77) Benzidine	12.99	184	24097	2.504	ng	# 93

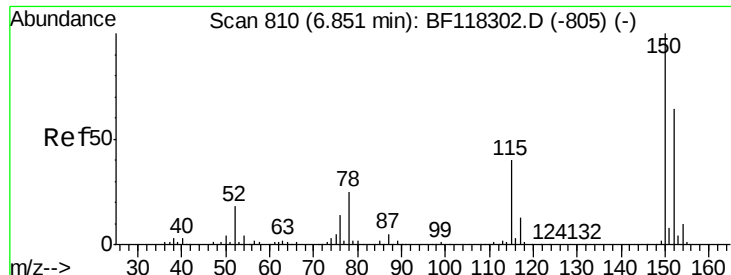
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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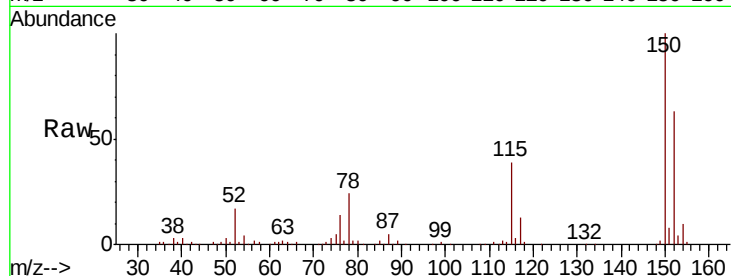


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF118367.D
Acq: 28 Dec 2019 16:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	125.4	188.2
115	61.3	50.2	75.4

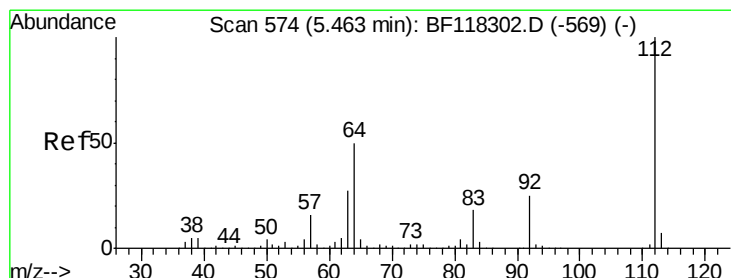
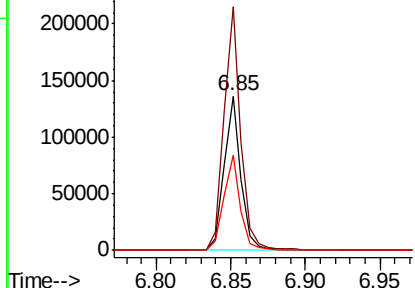
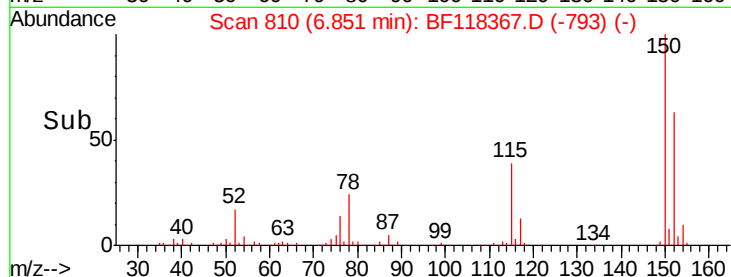


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

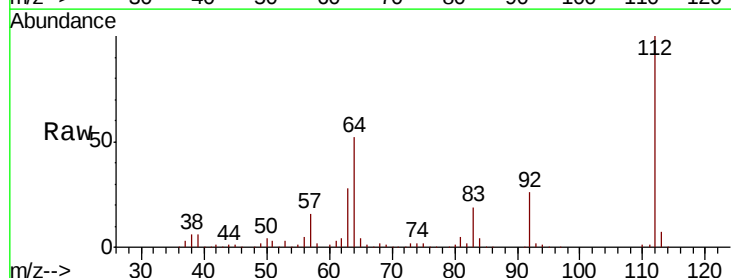
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 50.755 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF118367.D
Acq: 28 Dec 2019 16:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.3	39.7	59.5
63	28.1	21.7	32.5

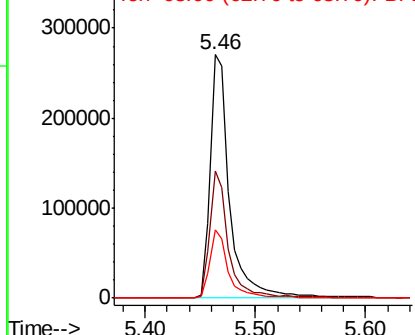
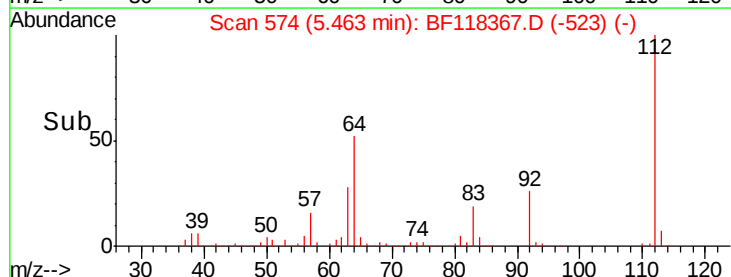


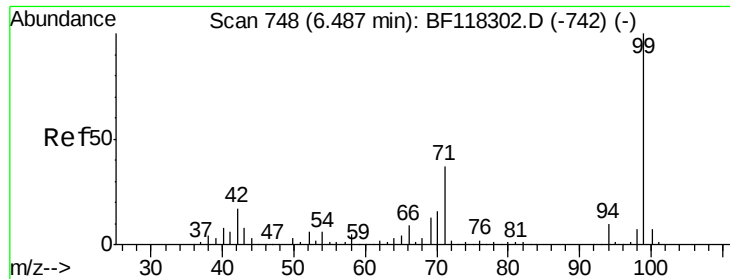
Abundance

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: 31.409 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF118367.D

Acq: 28 Dec 2019 16:09

Instrument :

BNA_F

ClientSampled :

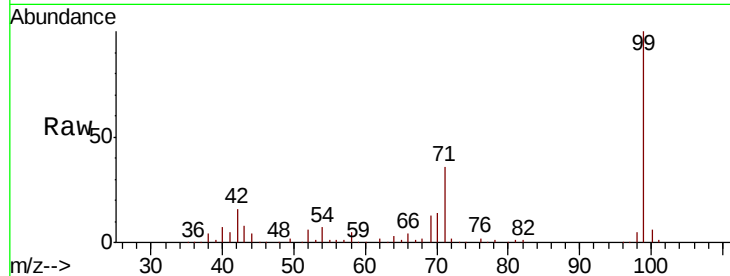
Tot Ion: 99 Resp: 248795

Ion Ratio Lower Upper

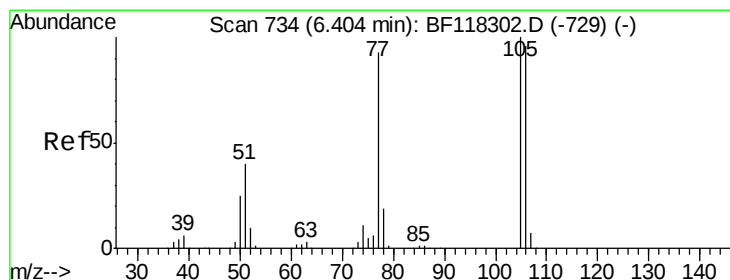
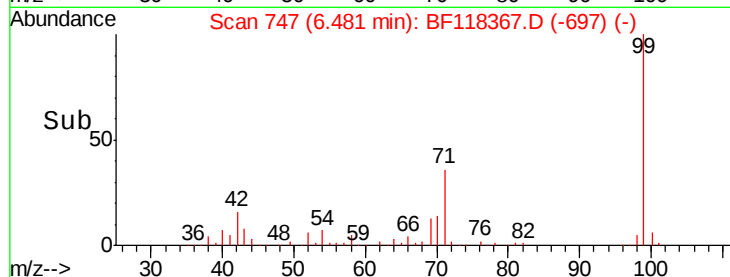
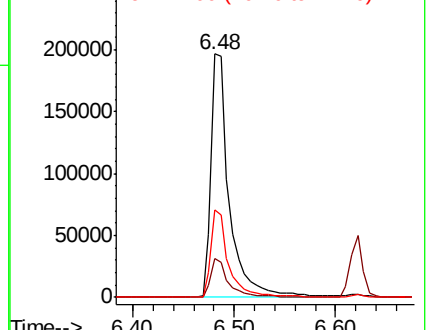
99 100

42 16.0 13.5 20.3

71 36.0 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: 3.387 ng

RT: 6.62 min Scan# 771

Delta R.T. 0.22 min

Lab File: BF118367.D

Acq: 28 Dec 2019 16:09

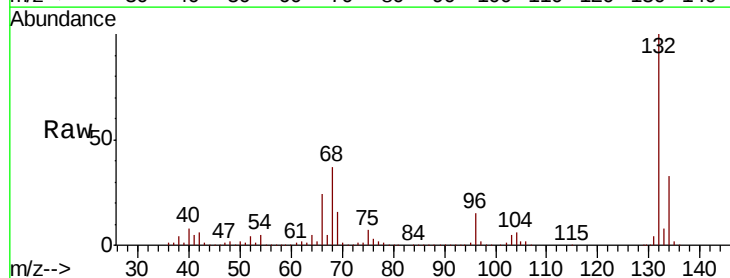
Tgt Ion: 77 Resp: 15731

Ion Ratio Lower Upper

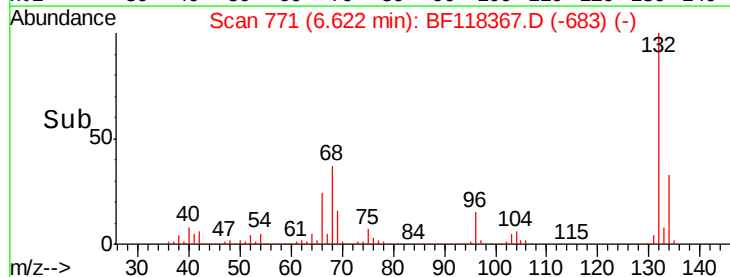
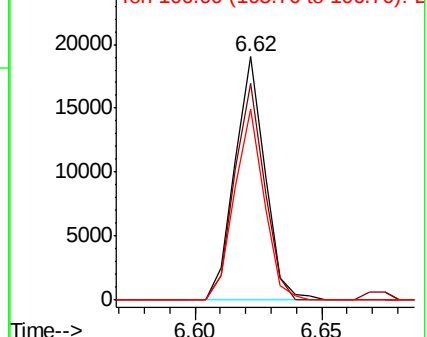
77 100

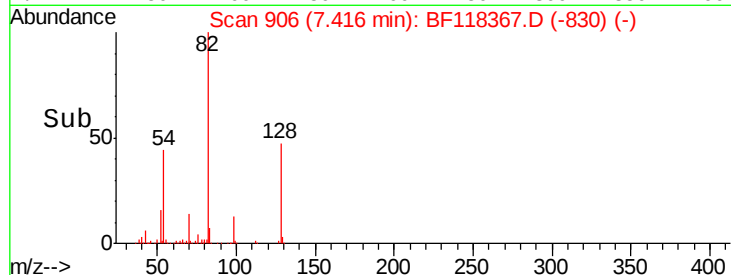
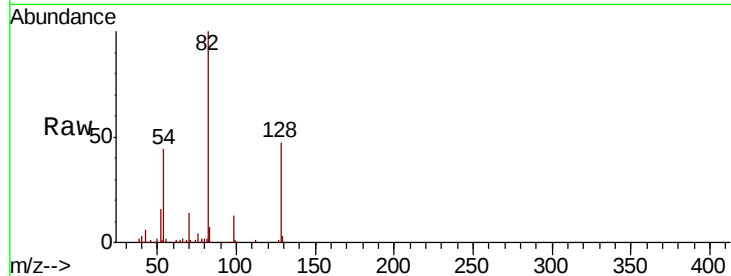
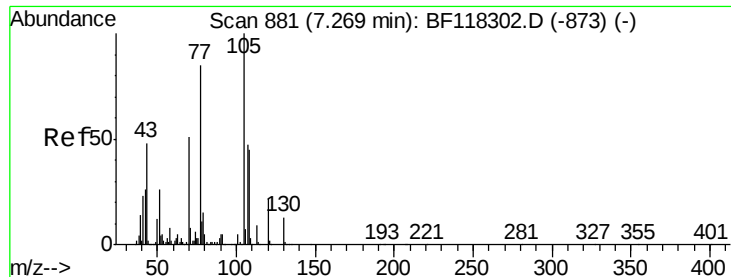
105 88.9 87.5 127.5

106 78.7 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

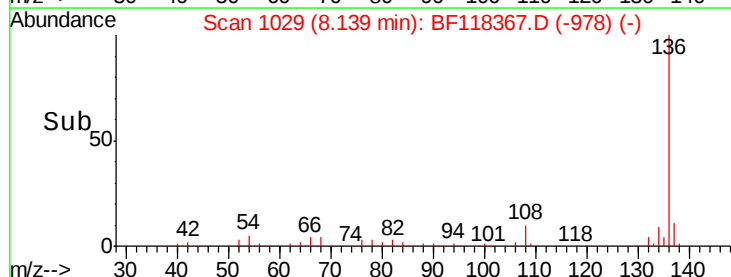
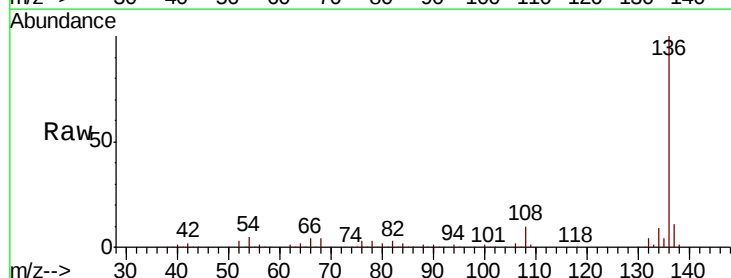
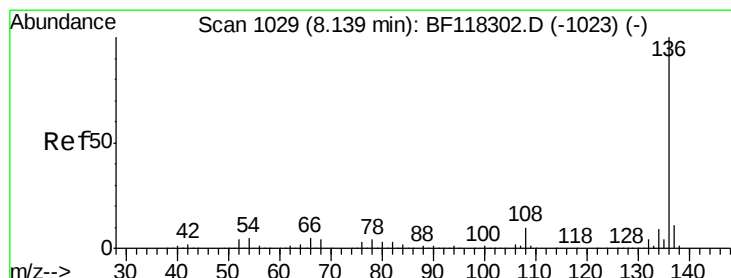
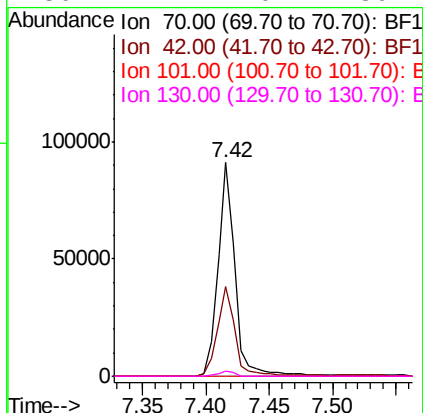




#19
n-Nitroso-di-n-propylamine
Concen: 17.779 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.15 min
Lab File: BF118367.D
Acq: 28 Dec 2019 16:09

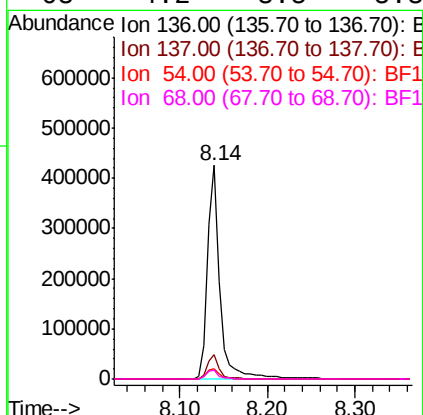
Instrument :
BNA_F
ClientSampleId :

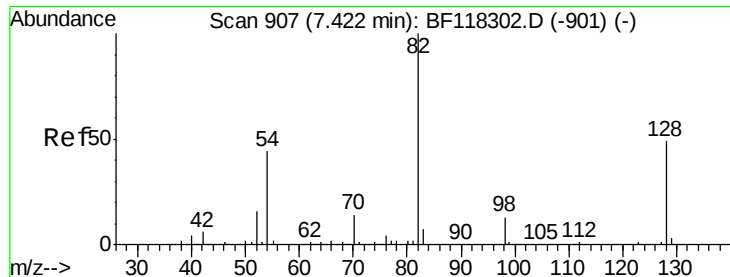
Tot Ion: 70 Resp: 86757
Ion Ratio Lower Upper
70 100
42 42.2 41.1 61.7
101 0.0 8.3 12.5#
130 2.4 20.1 30.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BF118367.D
Acq: 28 Dec 2019 16:09

Tgt Ion: 136 Resp: 422412
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 5.0 4.2 6.4
68 4.2 3.5 5.3

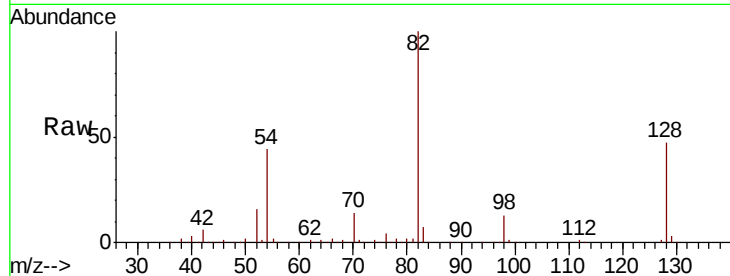




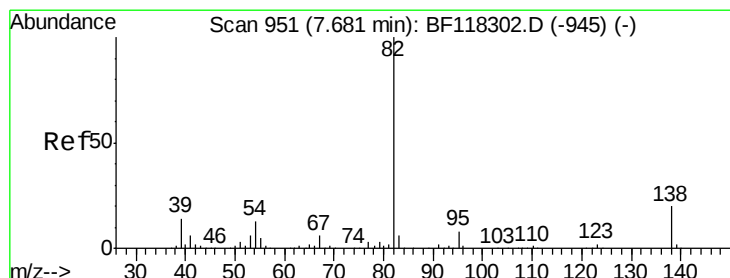
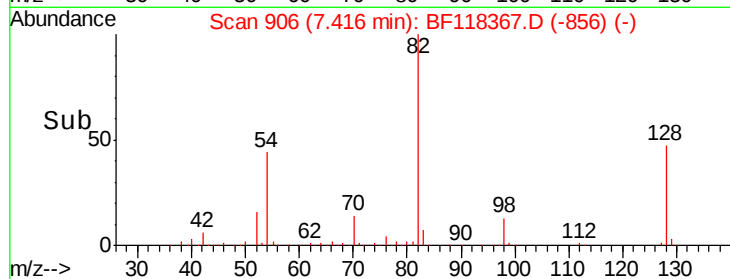
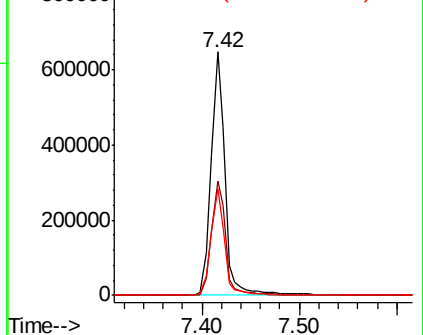
#23
Nitrobenzene-d5
Concen: 87.004 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF118367.D
Acq: 28 Dec 2019 16:09

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 642570
Ion Ratio Lower Upper
82 100
128 47.2 39.6 59.4
54 44.1 34.9 52.3

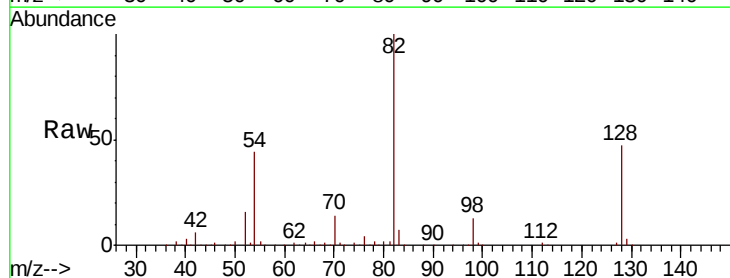


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

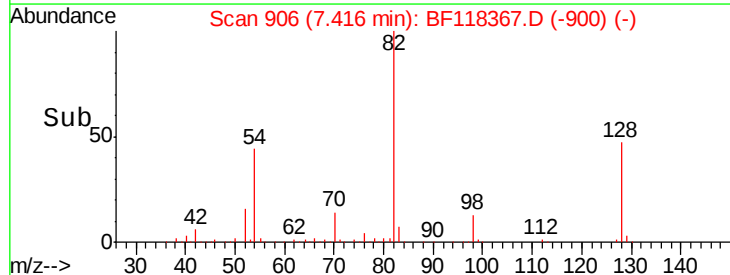
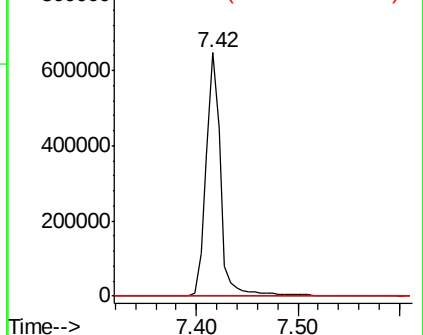


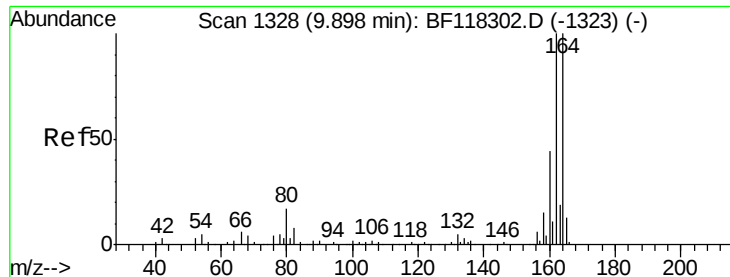
#25
Isophorone
Concen: 49.922 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.26 min
Lab File: BF118367.D
Acq: 28 Dec 2019 16:09

Tgt Ion: 82 Resp: 642564
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

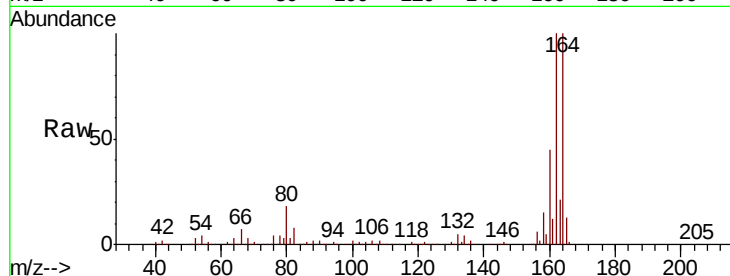




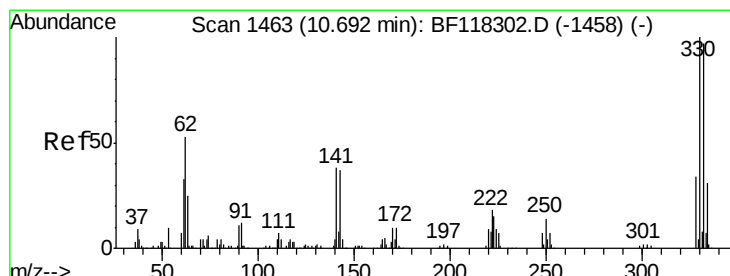
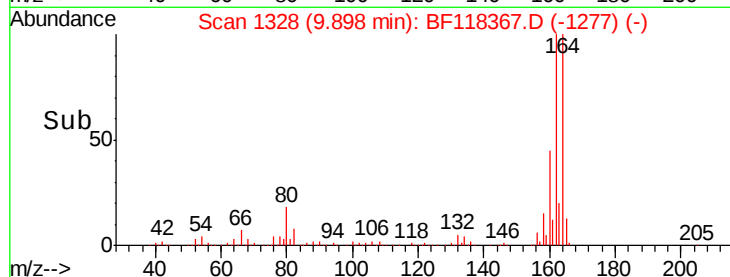
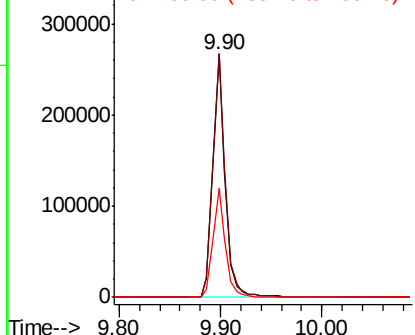
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: BF118367.D
 Acq: 28 Dec 2019 16:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 226789
 Ion Ratio Lower Upper
 164 100
 162 100.1 80.0 120.0
 160 44.8 34.8 52.2

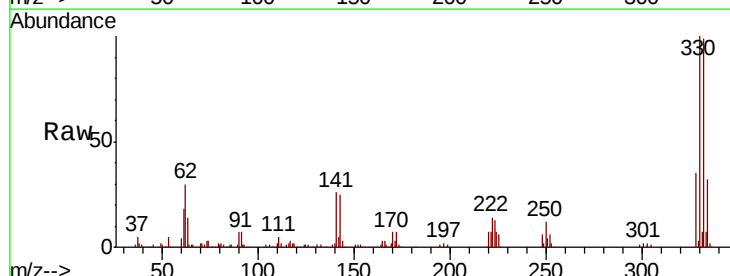


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

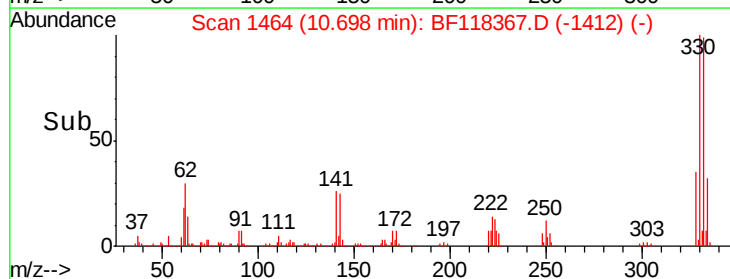
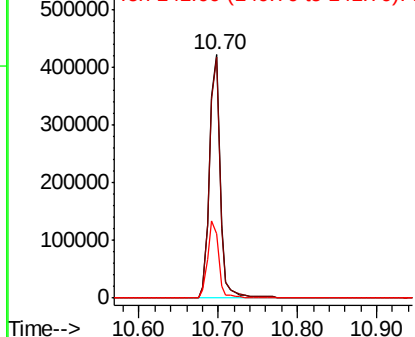


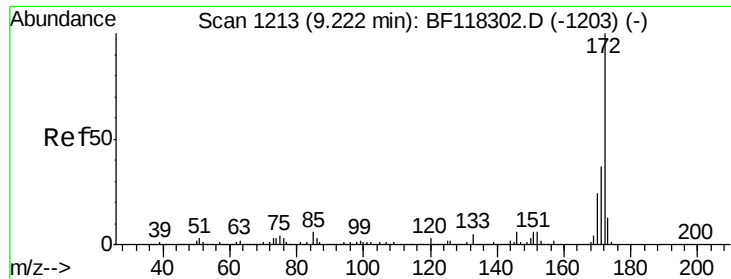
#42
 2,4,6-Tribromophenol
 Concen: 143.098 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: BF118367.D
 Acq: 28 Dec 2019 16:09

Tgt Ion:330 Resp: 400771
 Ion Ratio Lower Upper
 330 100
 332 98.3 76.6 114.8
 141 33.0 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

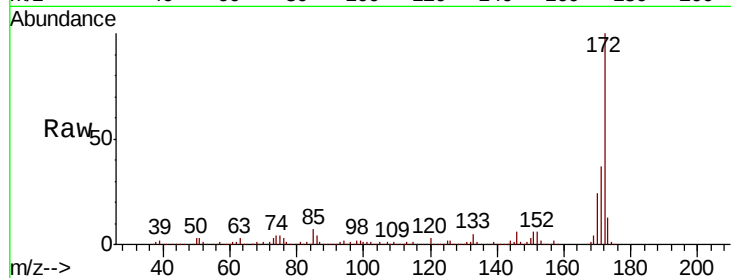




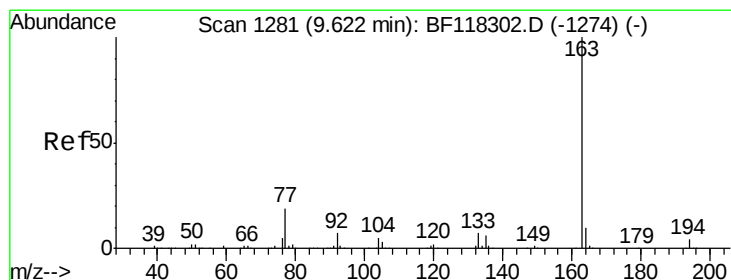
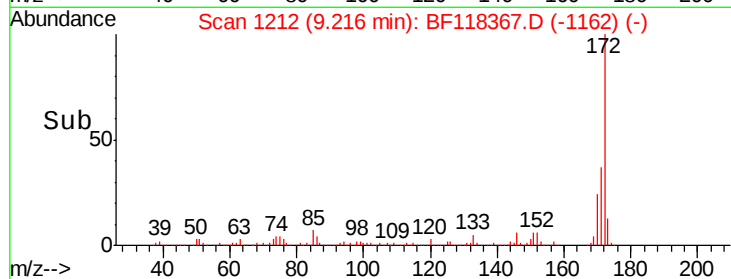
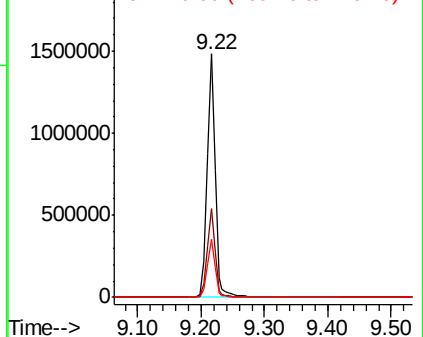
#45
2-Fluorobiphenyl
Concen: 88.303 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF118367.D
Acq: 28 Dec 2019 16:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1311928
Ion Ratio Lower Upper
172 100
171 36.6 29.3 43.9
170 23.7 19.2 28.8

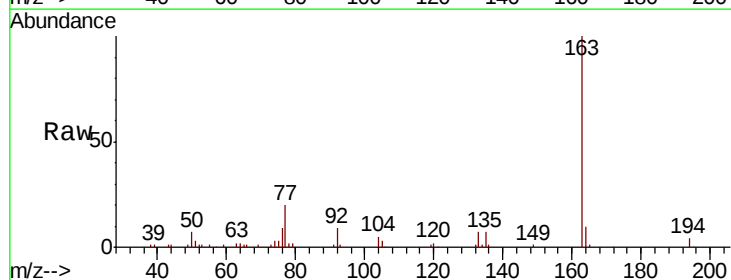


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

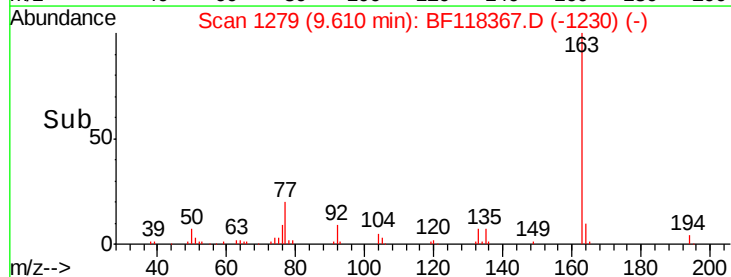
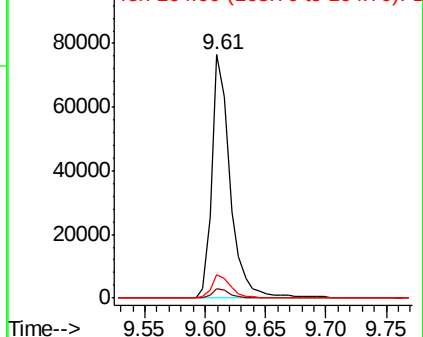


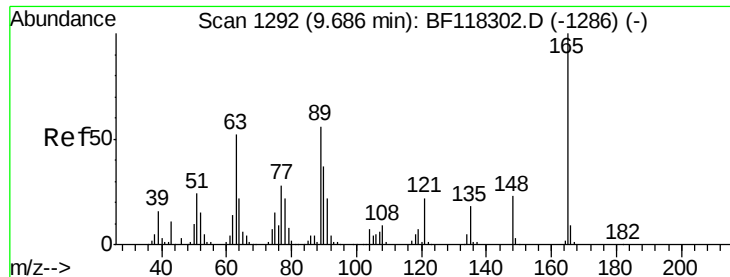
#50
Dimethylphthalate
Concen: 4.700 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF118367.D
Acq: 28 Dec 2019 16:09

Tgt Ion:163 Resp: 80017
Ion Ratio Lower Upper
163 100
194 3.7 3.2 4.8
164 9.6 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: 7.811 ng

RT: 9.90 min Scan# 1328

Delta R.T. 0.21 min

Lab File: BF118367.D

Acq: 28 Dec 2019 16:09

Instrument :

BNA_F

ClientSampleId :

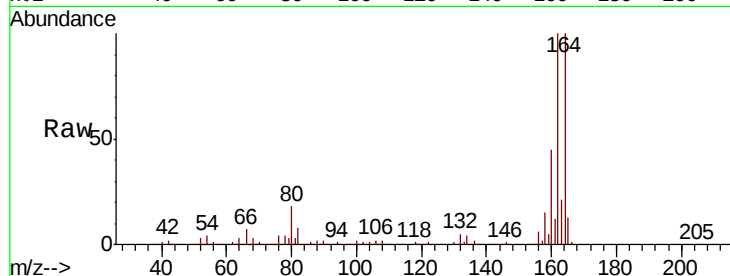
Tot Ion:165 Resp: 28669

Ion Ratio Lower Upper

165 100

63 1.0 42.2 63.4#

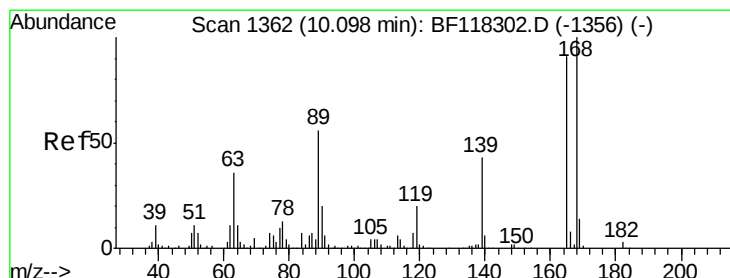
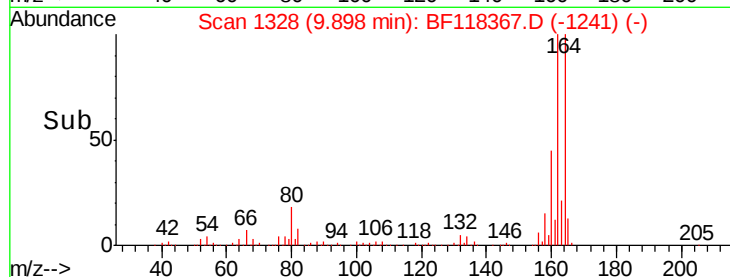
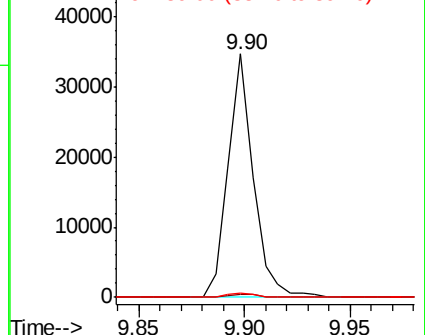
89 1.7 44.4 66.6#



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: 5.846 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.20 min

Lab File: BF118367.D

Acq: 28 Dec 2019 16:09

Tgt Ion:165 Resp: 28669

Ion Ratio Lower Upper

165 100

63 1.0 32.0 48.0#

89 1.7 49.3 73.9#

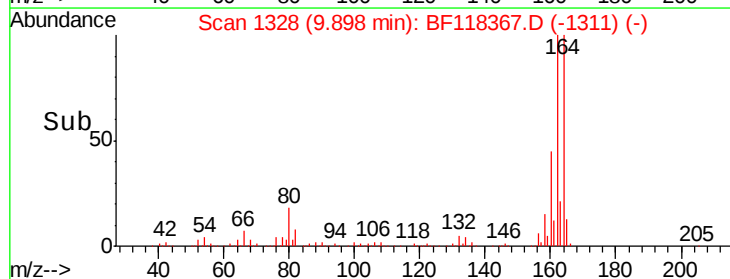
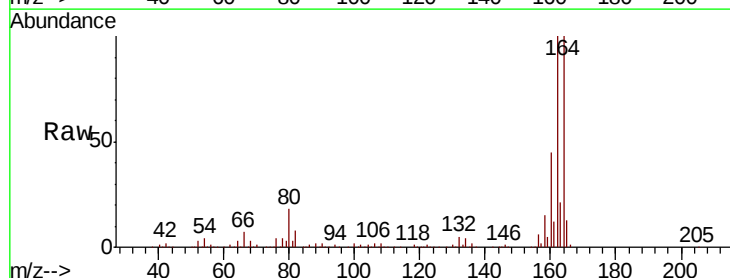
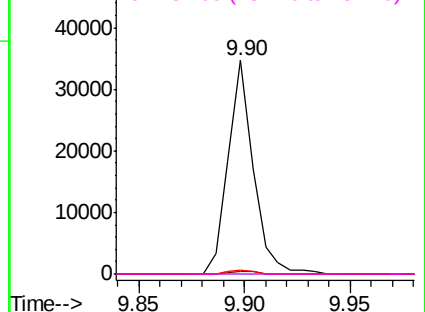
182 0.0 2.4 3.6#

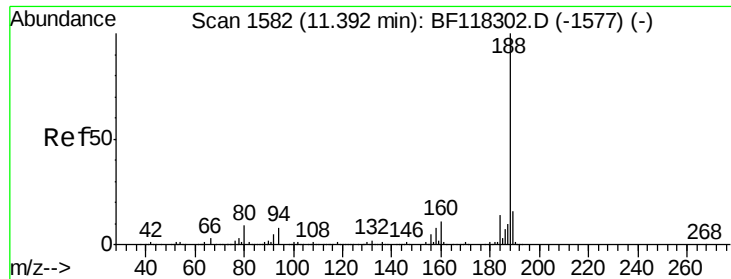
Abundance Ion 165.00 (164.70 to 165.70): E

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

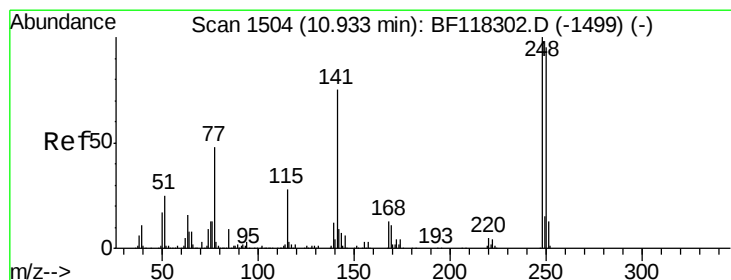
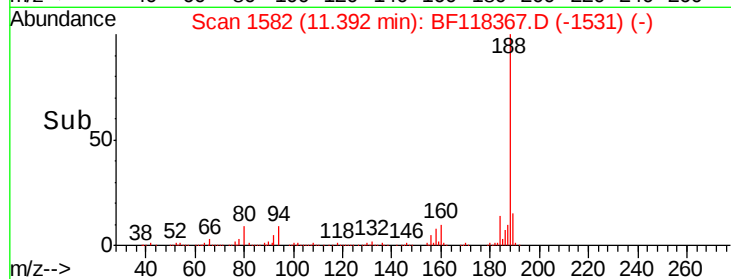
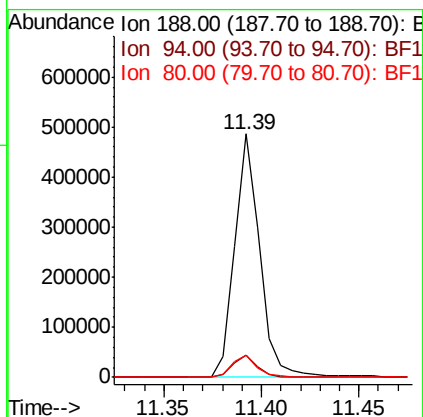
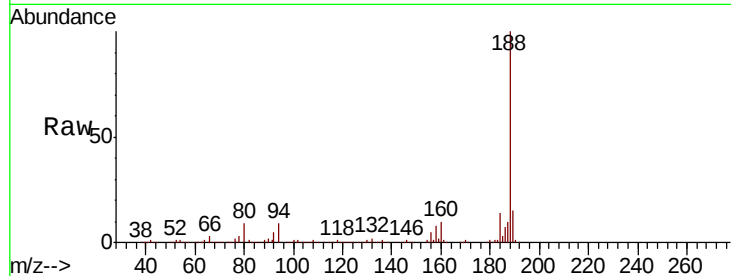




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BF118367.D
Acq: 28 Dec 2019 16:09

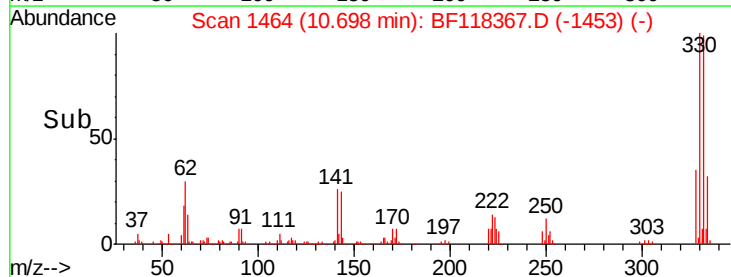
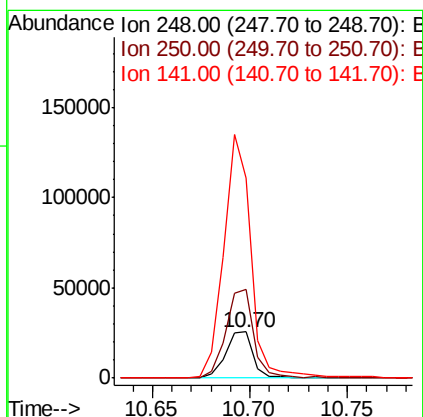
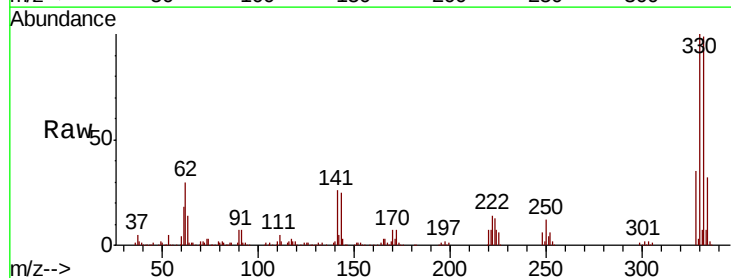
Instrument :
BNA_F
ClientSampleId :

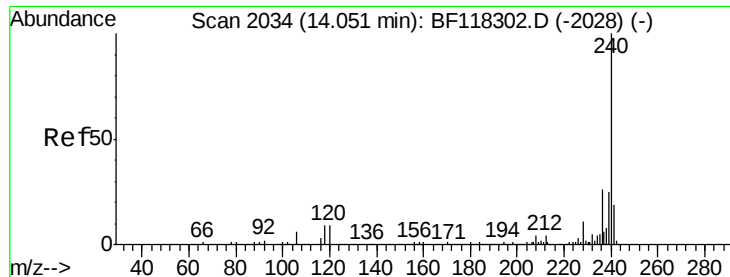
Tot Ion:188 Resp: 432723
Ion Ratio Lower Upper
188 100
94 9.0 6.7 10.1
80 9.0 7.2 10.8



#67
4-Bromophenyl-phenylether
Concen: 4.944 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.24 min
Lab File: BF118367.D
Acq: 28 Dec 2019 16:09

Tgt Ion:248 Resp: 25036
Ion Ratio Lower Upper
248 100
250 192.2 76.4 114.6#
141 434.9 60.2 90.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF118367.D

Acq: 28 Dec 2019 16:09

Instrument :

BNA_F

ClientSampleId :

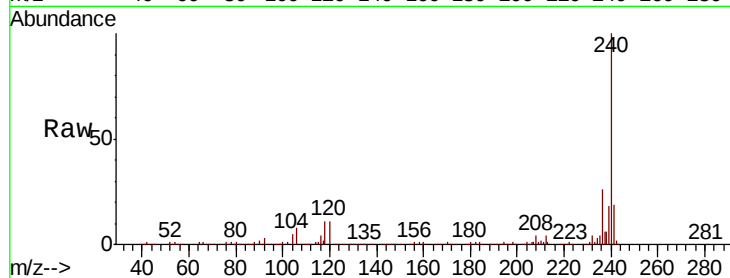
Tot Ion:240 Resp: 351197

Ion Ratio Lower Upper

240 100

120 11.2 7.1 10.7#

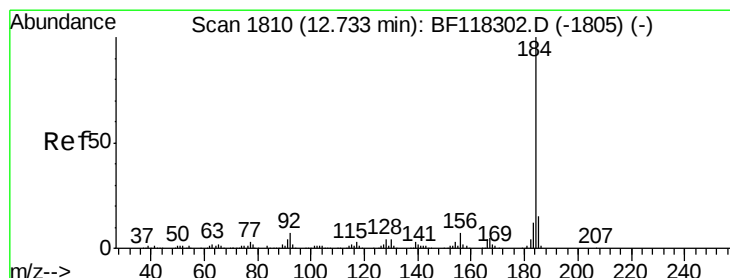
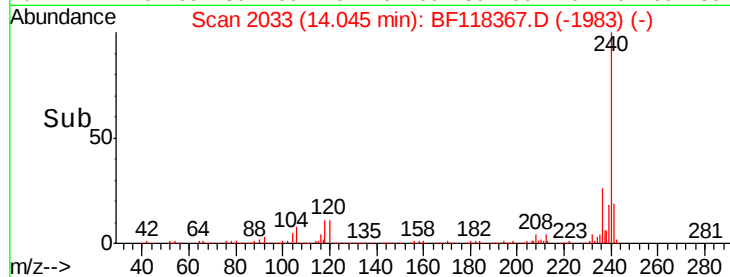
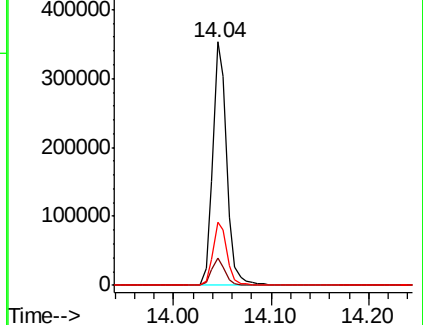
236 25.8 21.0 31.6



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



#77

Benzidine

Concen: 2.504 ng

RT: 12.99 min Scan# 1853

Delta R.T. 0.25 min

Lab File: BF118367.D

Acq: 28 Dec 2019 16:09

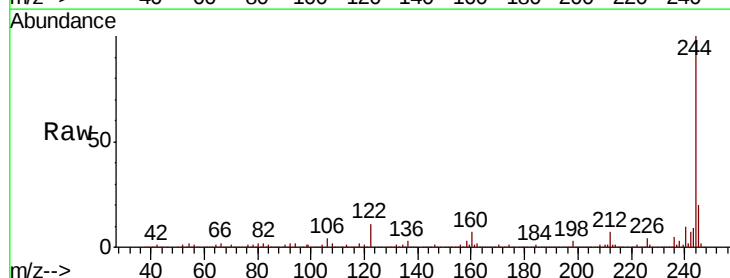
Tgt Ion:184 Resp: 24097

Ion Ratio Lower Upper

184 100

185 16.8 12.3 18.5

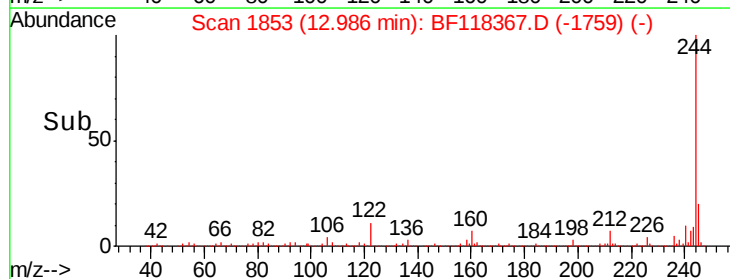
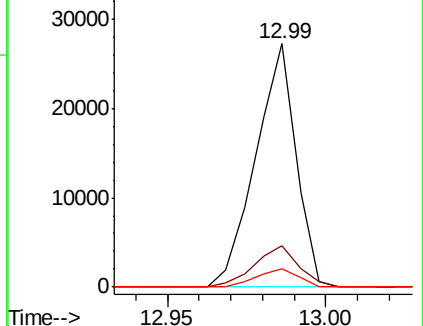
183 7.5 9.4 14.2#

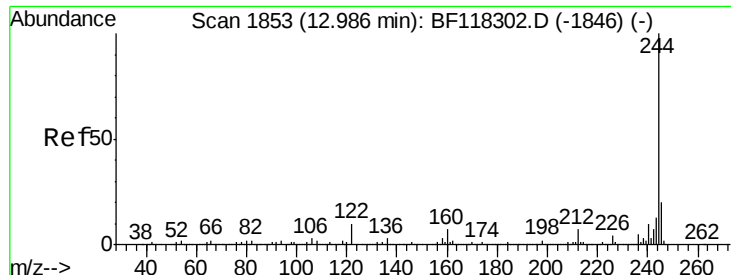


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 88.392 ng

RT: 12.99 min Scan# 1853

Delta R.T. 0.00 min

Lab File: BF118367.D

Acq: 28 Dec 2019 16:09

Instrument :

BNA_F

ClientSampled :

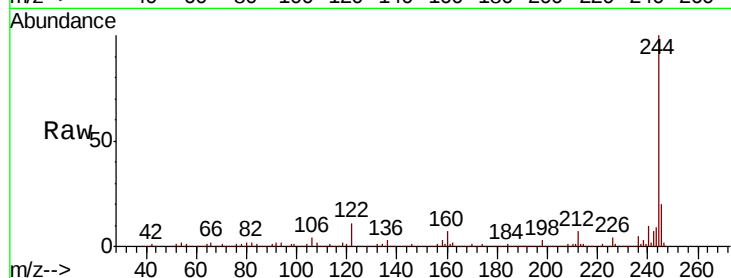
Tot Ion:244 Resp: 1871158

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.2

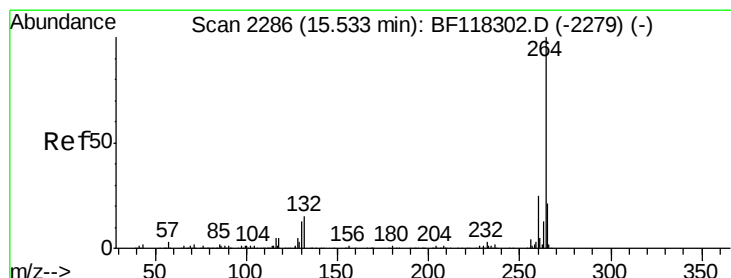
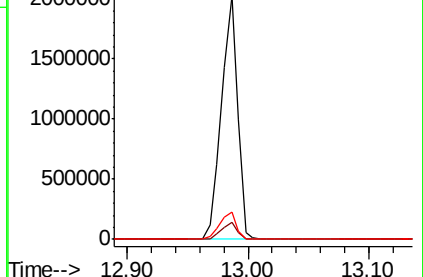
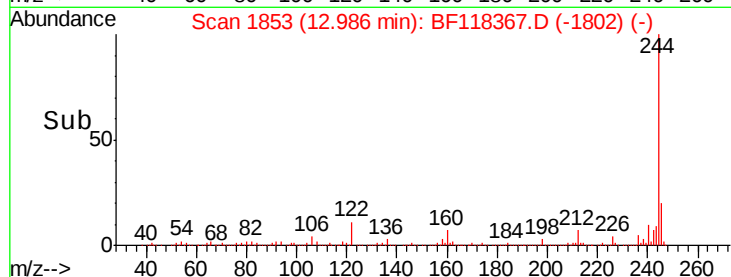
122 11.4 7.8 11.8



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: BF118367.D

Acq: 28 Dec 2019 16:09

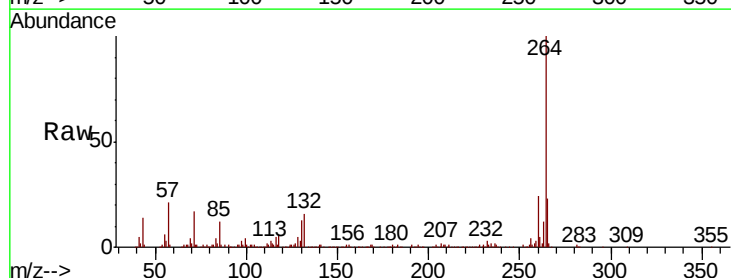
Tgt Ion:264 Resp: 341466

Ion Ratio Lower Upper

264 100

260 24.0 19.8 29.6

265 22.6 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

