

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
 Data File : BF118608.D
 Acq On : 20 Jan 2020 23:12
 Operator : CG/JU
 Sample : L1176-10
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 21 01:44:19 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 20 14:45:03 2020
 Response via : Initial Calibration

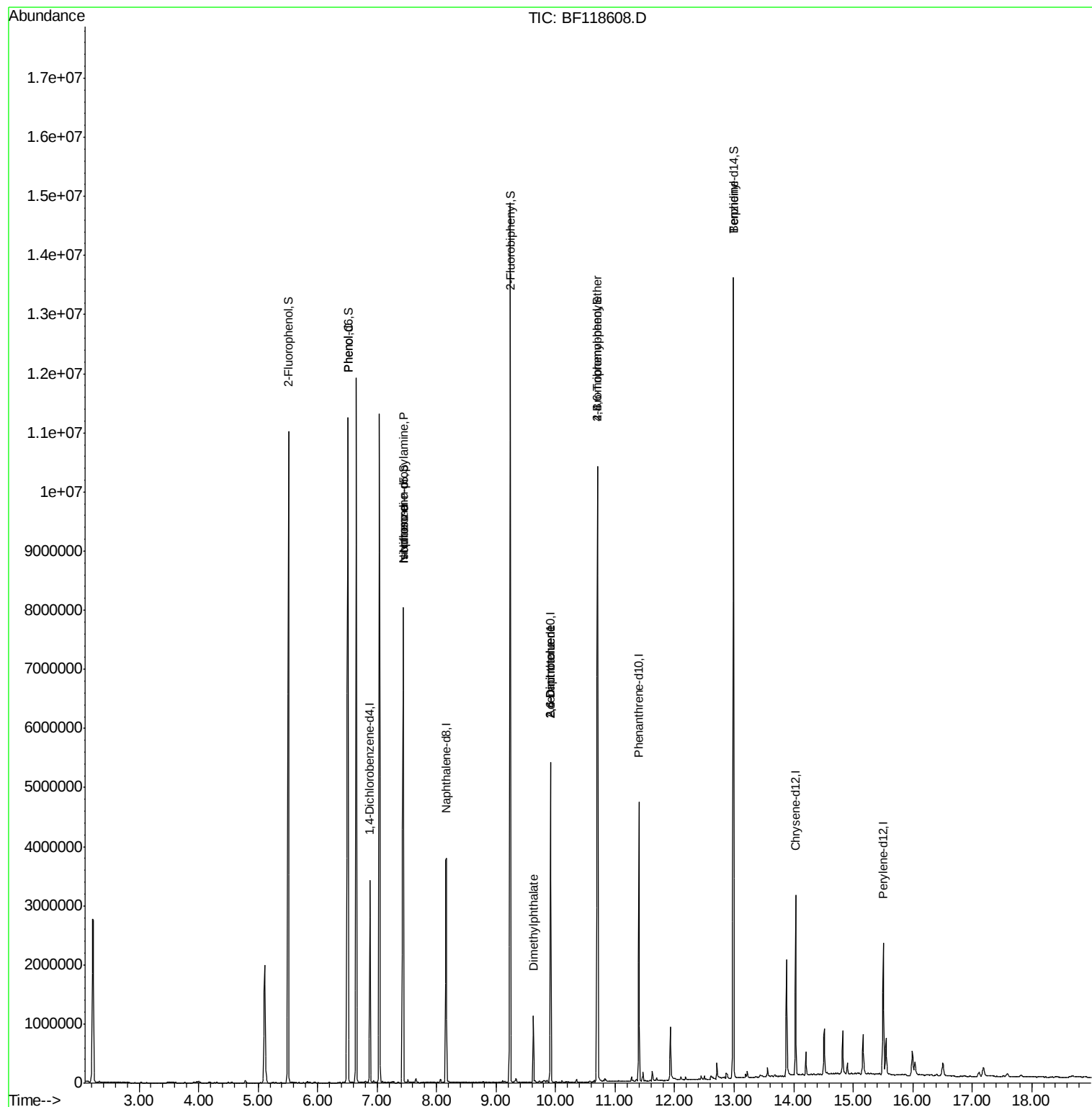
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	501181	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	1847226	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	1066650	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	1784309	20.00	ng	-0.01
76) Chrysene-d12	14.03	240	971159	20.00	ng	-0.01
87) Perylene-d12	15.51	264	1101214	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	3493588	129.46	ng	0.01
7) Phenol-d6	6.51	99	4588002	130.81	ng	0.00
23) Nitrobenzene-d5	7.44	82	2977709	90.17	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	1567130	127.03	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	5178076	79.79	ng	0.00
79) Terphenyl-d14	12.99	244	5059960	113.64	ng	0.00
Target Compounds						
10) Phenol	6.52	94	212748	5.323	ng	# 68
19) n-Nitroso-di-n-propylamine	7.44	70	426867	18.025	ng	# 77
25) Isophorone	7.44	82	2967623	49.266	ng	# 64
50) Dimethylphthalate	9.63	163	410113	5.901	ng	# 97
51) 2,6-Dinitrotoluene	9.92	165	142861	9.180	ng	# 21
57) 2,4-Dinitrotoluene	9.92	165	142861	7.282	ng	# 25
67) 4-Bromophenyl-phenylether	10.70	248	102303	4.641	ng	# 1
77) Benzidine	12.99	184	74442	2.869	ng	# 95

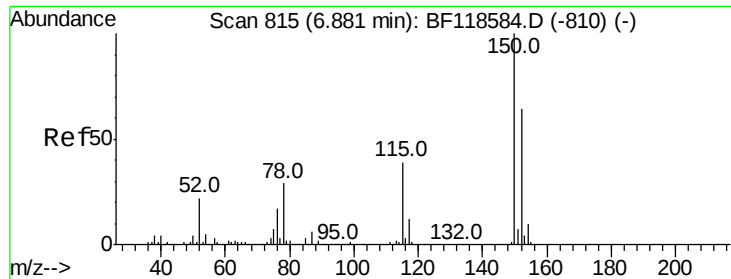
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
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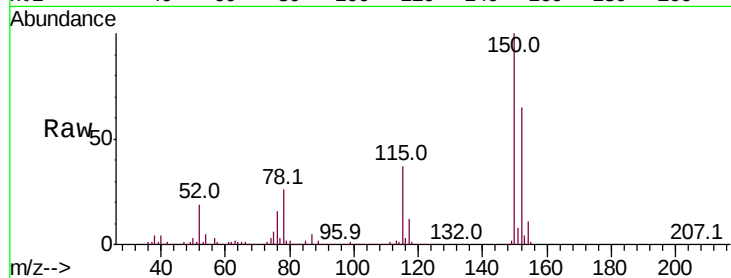


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF118608.D
Acq: 20 Jan 2020 23:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.6	125.6	188.4
115	56.8	48.4	72.6

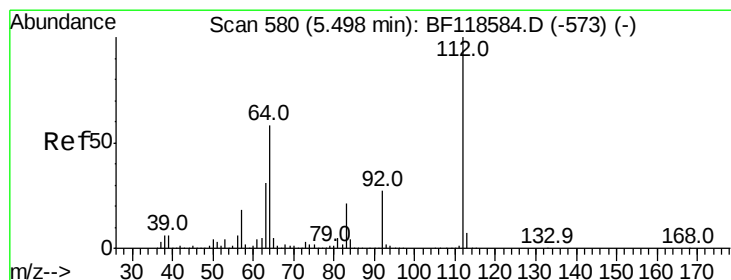
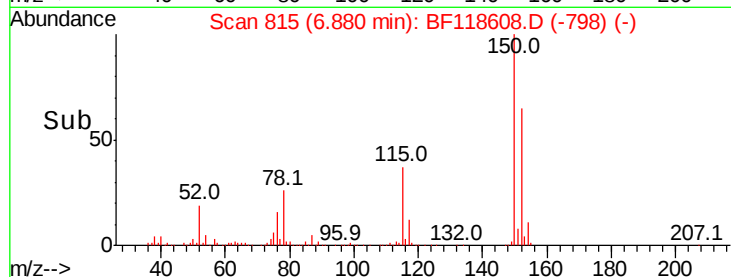
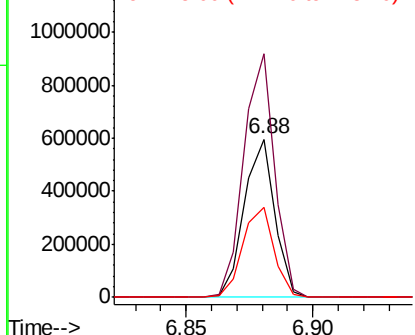


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

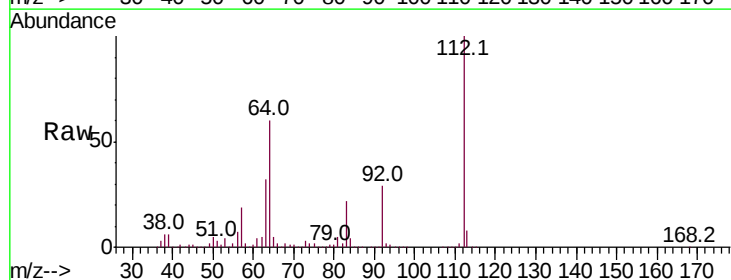
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 129.464 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.01 min
Lab File: BF118608.D
Acq: 20 Jan 2020 23:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.6	46.6	70.0
63	32.4	25.1	37.7

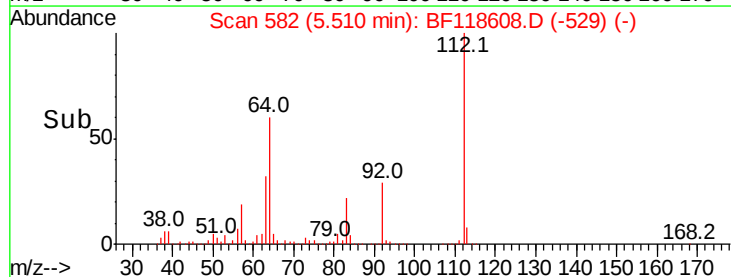
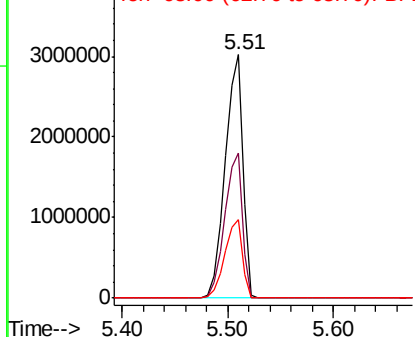


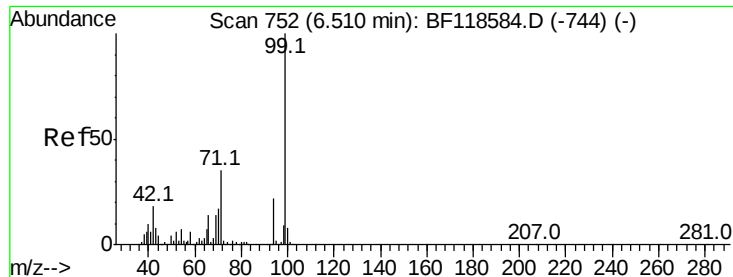
Abundance

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: 130.811 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF118608.D

Acq: 20 Jan 2020 23:12

Instrument :

BNA_F

ClientSampleId :

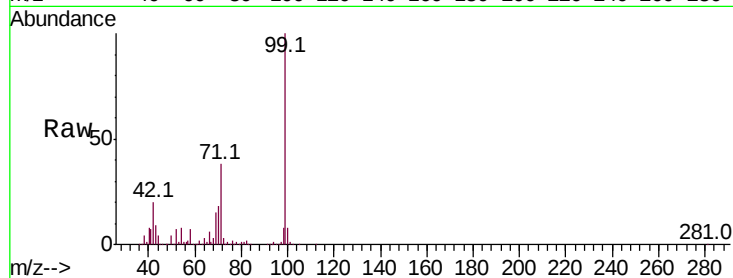
Tot Ion: 99 Resp: 4588002

Ion Ratio Lower Upper

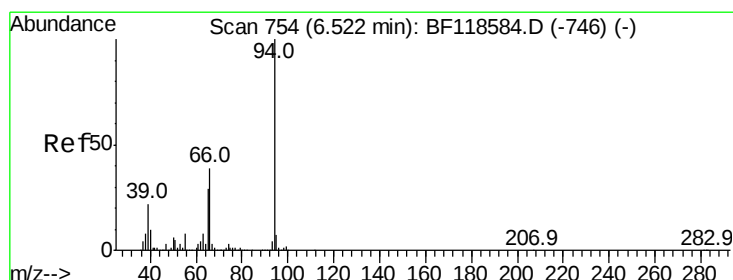
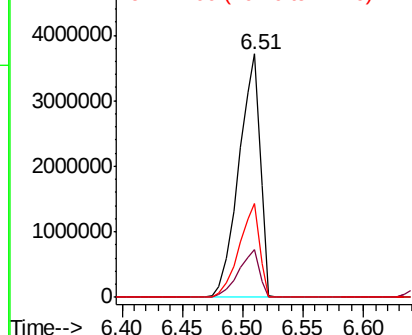
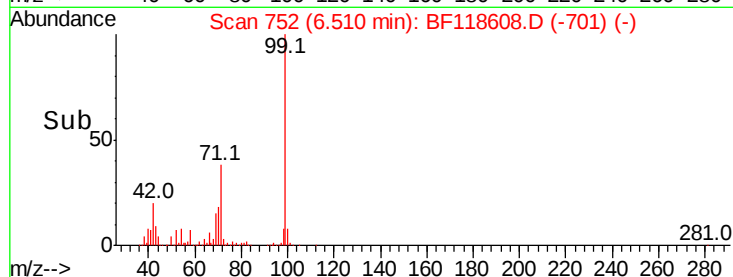
99 100

42 19.6 14.2 21.2

71 38.5 27.8 41.6



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: 5.323 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF118608.D

Acq: 20 Jan 2020 23:12

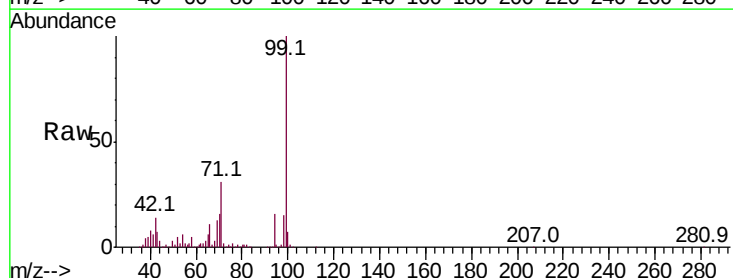
Tgt Ion: 94 Resp: 212748

Ion Ratio Lower Upper

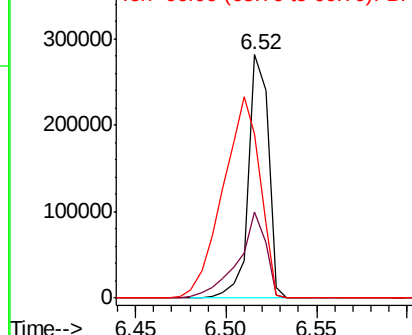
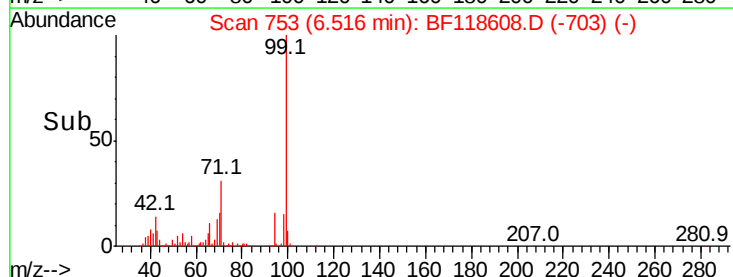
94 100

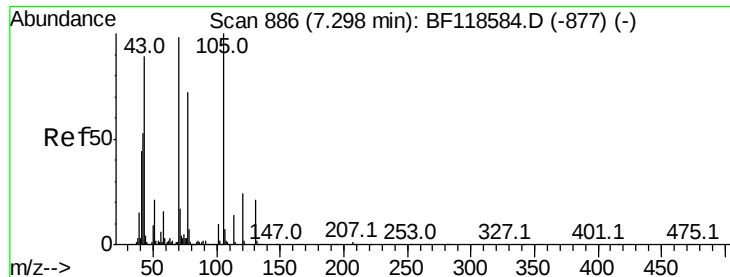
65 35.5 9.5 49.5

66 67.4 18.5 58.5#



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

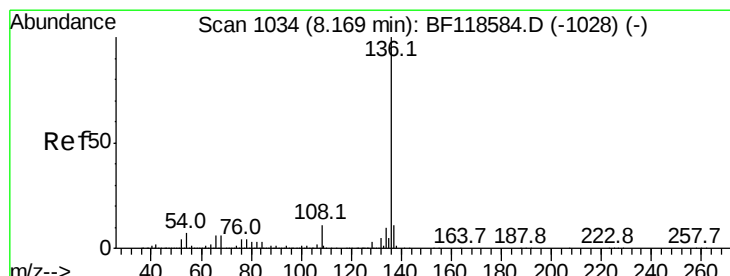
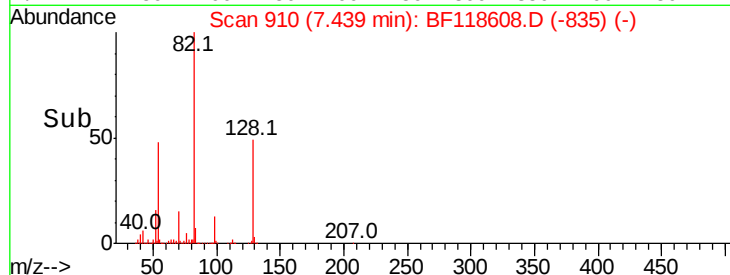
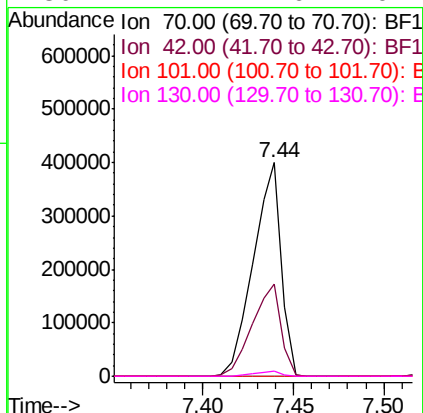
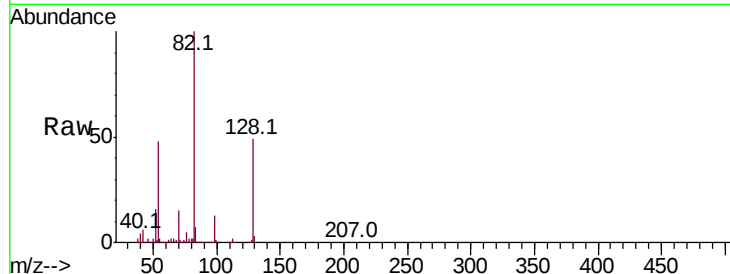




#19
n-Nitroso-di-n-propylamine
Concen: 18.025 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.14 min
Lab File: BF118608.D
Acq: 20 Jan 2020 23:12

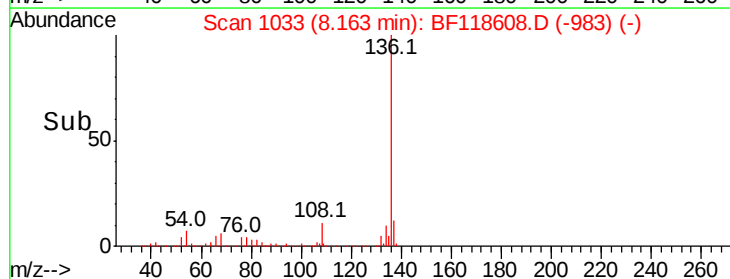
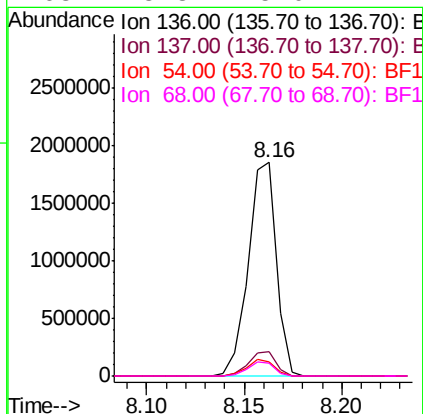
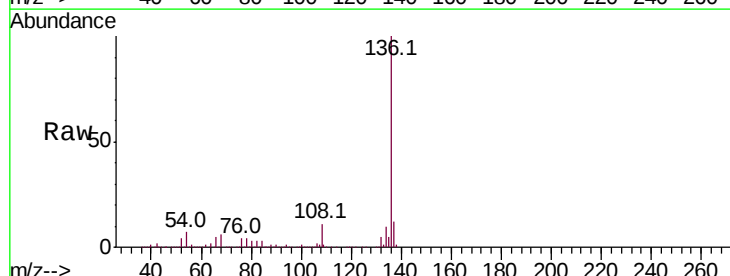
Instrument :
BNA_F
ClientSampleId :

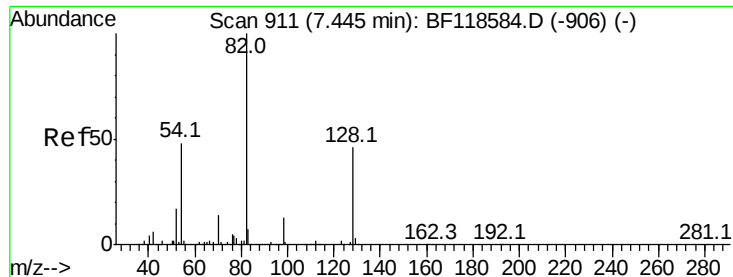
Tot Ion: 70 Resp: 426867
Ion Ratio Lower Upper
70 100
42 43.2 43.4 65.0#
101 0.0 8.1 12.1#
130 2.1 17.6 26.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF118608.D
Acq: 20 Jan 2020 23:12

Tgt Ion:136 Resp: 1847226
Ion Ratio Lower Upper
136 100
137 11.5 9.1 13.7
54 6.9 5.8 8.6
68 5.8 5.0 7.4

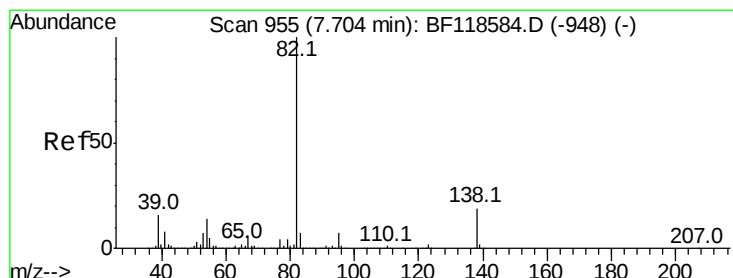
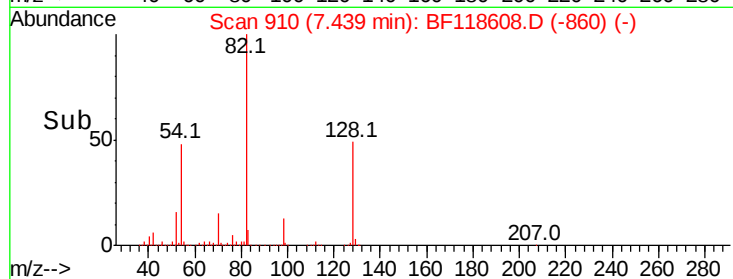
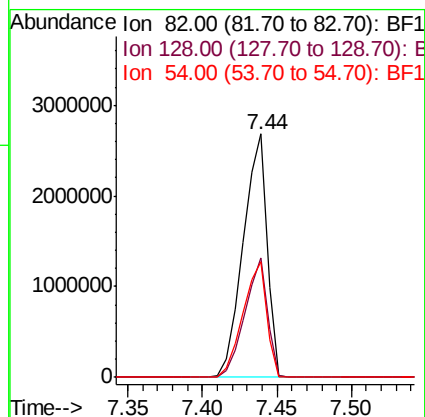
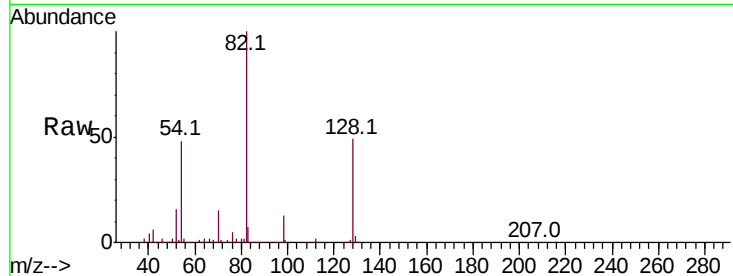




#23
Nitrobenzene-d5
Concen: 90.165 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF118608.D
Acq: 20 Jan 2020 23:12

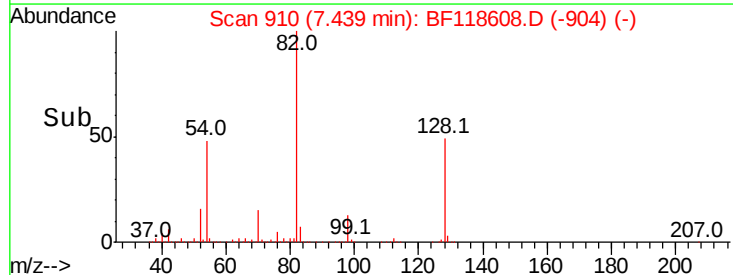
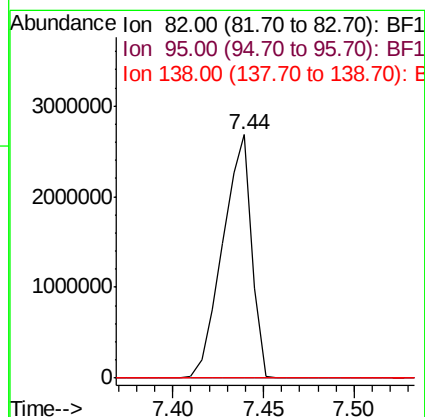
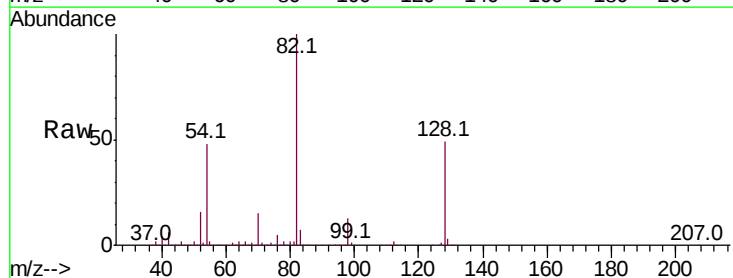
Instrument :
BNA_F
ClientSampled :

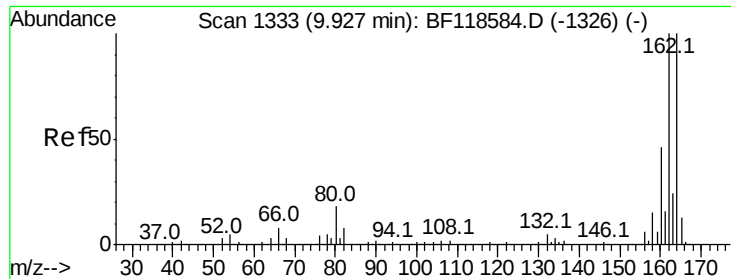
Tot Ion: 82 Resp: 2977709
Ion Ratio Lower Upper
82 100
128 49.0 36.6 54.8
54 47.5 38.0 57.0



#25
Isophorone
Concen: 49.266 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.26 min
Lab File: BF118608.D
Acq: 20 Jan 2020 23:12

Tgt Ion: 82 Resp: 2967623
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 15.3 22.9#

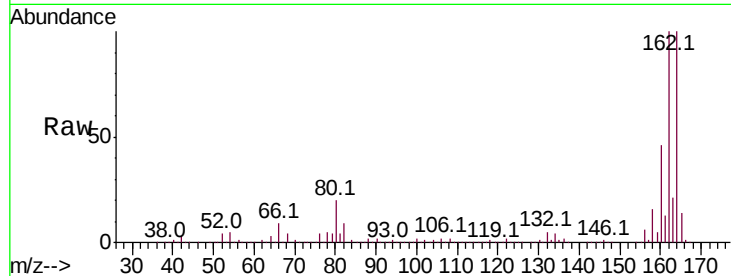




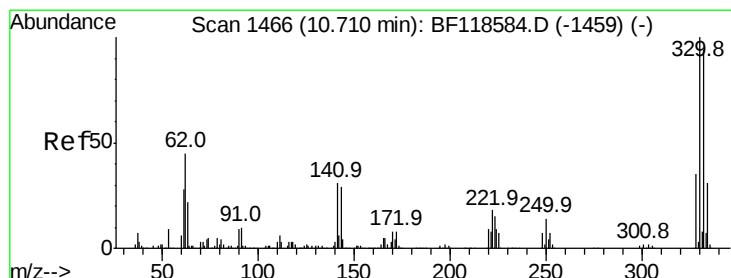
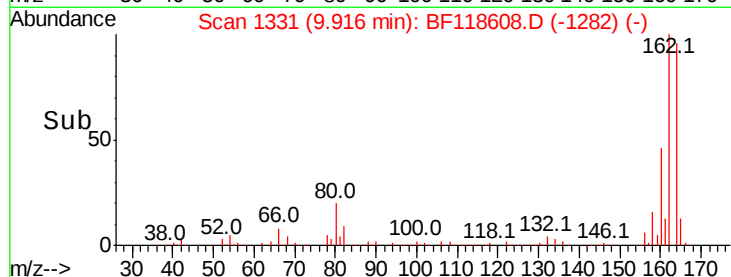
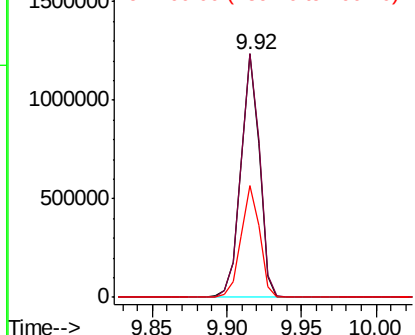
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF118608.D
Acq: 20 Jan 2020 23:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 1066650
Ion Ratio Lower Upper
164 100
162 100.1 80.4 120.6
160 46.0 36.6 55.0

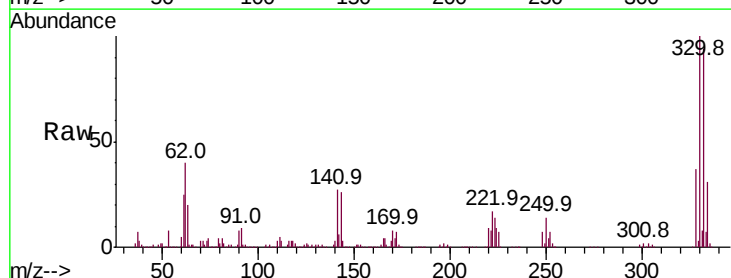


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

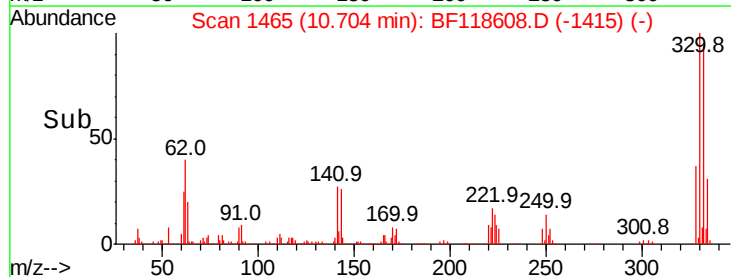
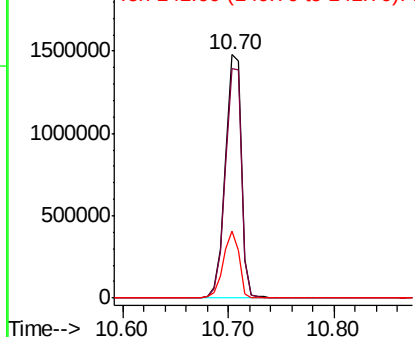


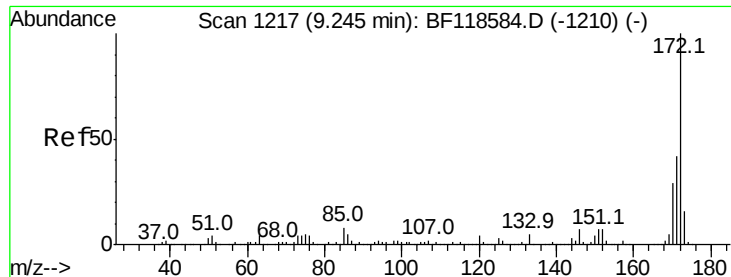
#42
2,4,6-Tribromophenol
Concen: 127.025 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.01 min
Lab File: BF118608.D
Acq: 20 Jan 2020 23:12

Tgt Ion:330 Resp: 1567130
Ion Ratio Lower Upper
330 100
332 95.4 76.2 114.4
141 27.4 23.9 35.9



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: 79.790 ng

RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF118608.D

Acq: 20 Jan 2020 23:12

Instrument :

BNA_F

ClientSampleId :

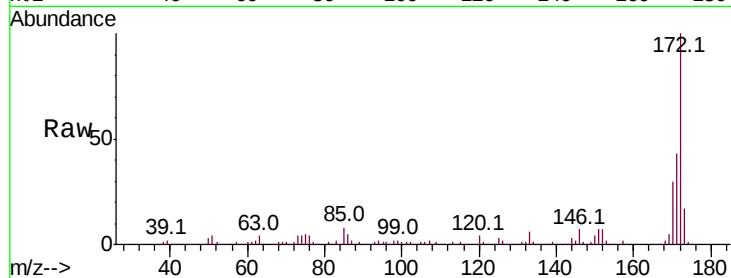
Tot Ion:172 Resp: 5178076

Ion	Ratio	Lower	Upper
172	100		
171	42.9	33.4	50.2
170	29.6	23.2	34.8

172 100

171 42.9 33.4 50.2

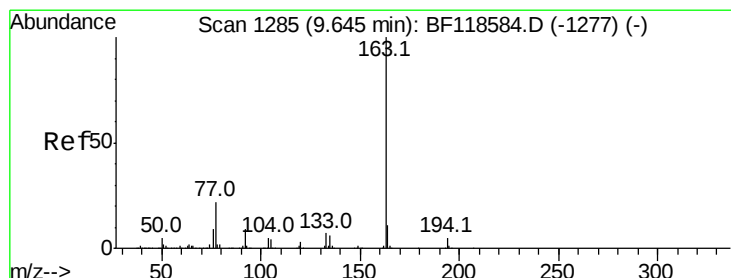
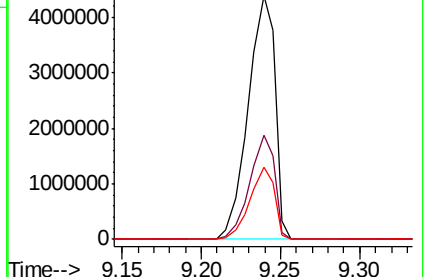
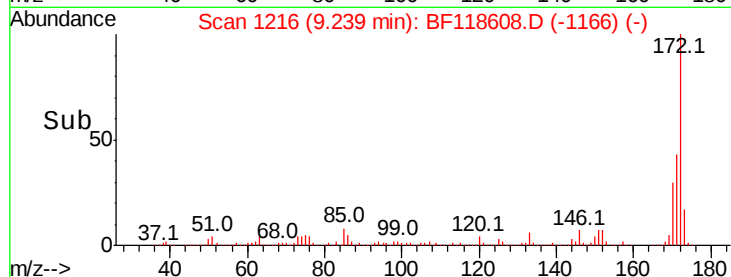
170 29.6 23.2 34.8



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: 5.901 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF118608.D

Acq: 20 Jan 2020 23:12

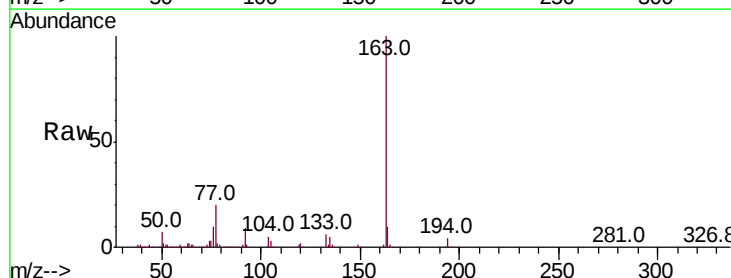
Tgt Ion:163 Resp: 410113

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.9	5.9
164	10.2	9.1	13.7

163 100

194 4.4 3.9 5.9

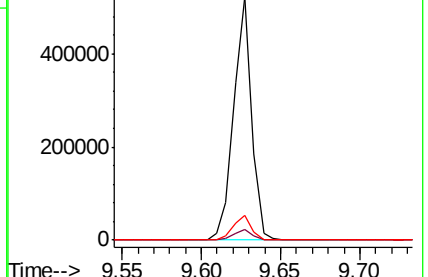
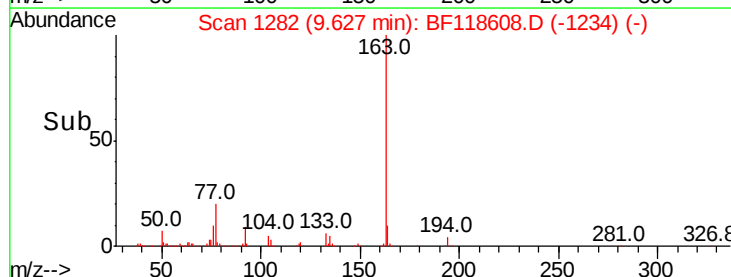
164 10.2 9.1 13.7

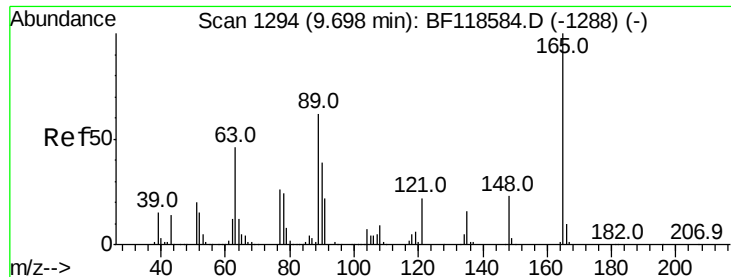


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

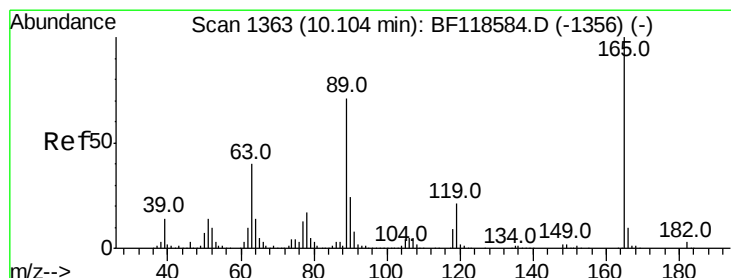
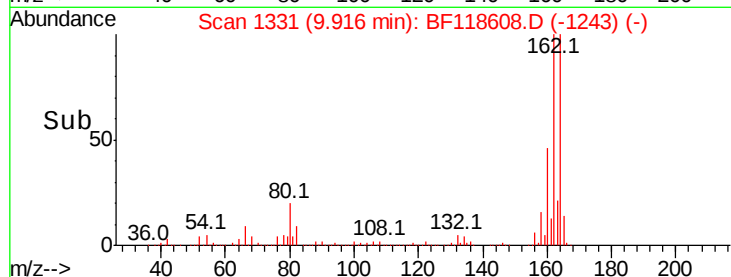
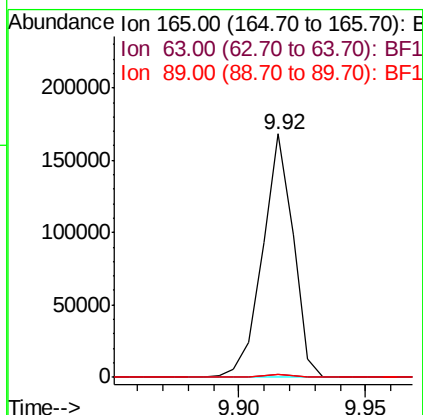
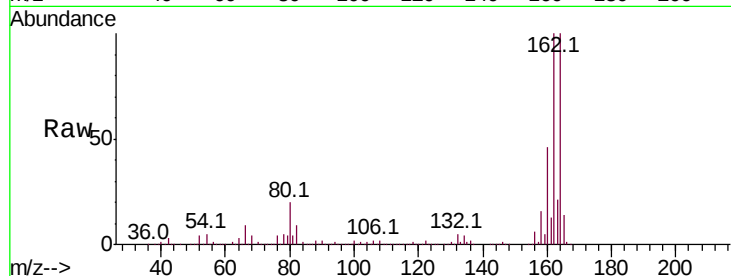




#51
 2,6-Dinitrotoluene
 Concen: 9.180 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.22 min
 Lab File: BF118608.D
 Acq: 20 Jan 2020 23:12

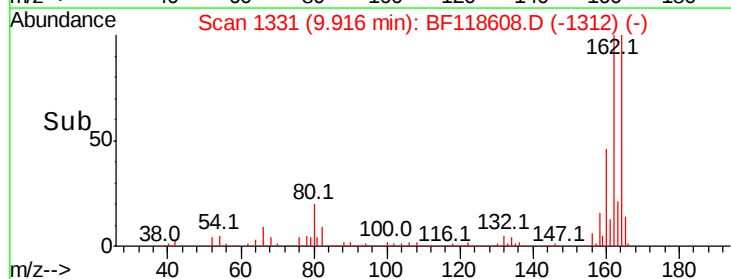
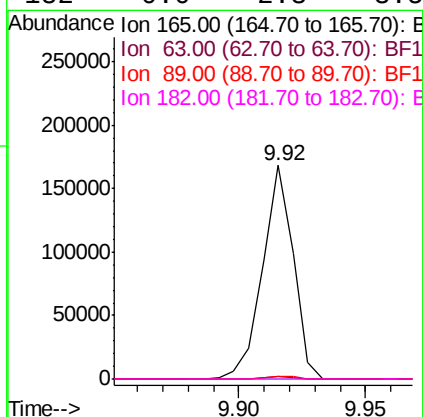
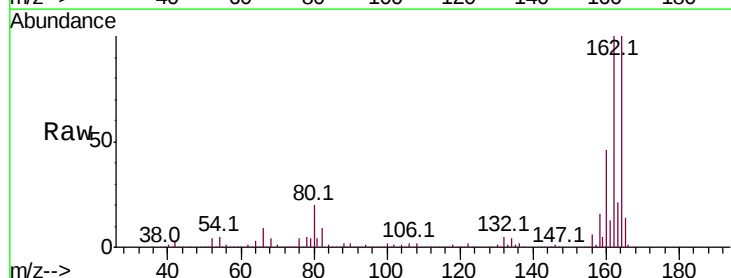
Instrument :
 BNA_F
 ClientSampleId :

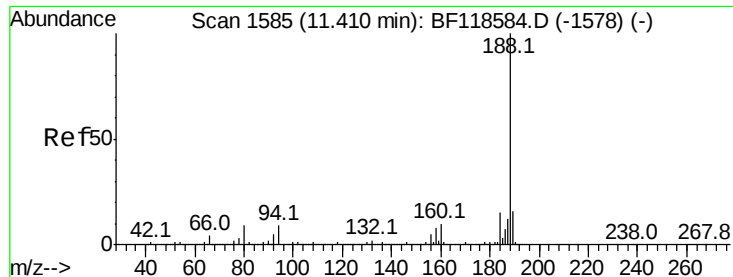
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	48.9	73.3#
89	1.3	49.8	74.6#



#57
 2,4-Dinitrotoluene
 Concen: 7.282 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF118608.D
 Acq: 20 Jan 2020 23:12

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	32.4	48.6#
89	1.3	56.4	84.6#
182	0.0	2.3	3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF118608.D

Acq: 20 Jan 2020 23:12

Instrument :

BNA_F

ClientSampleId :

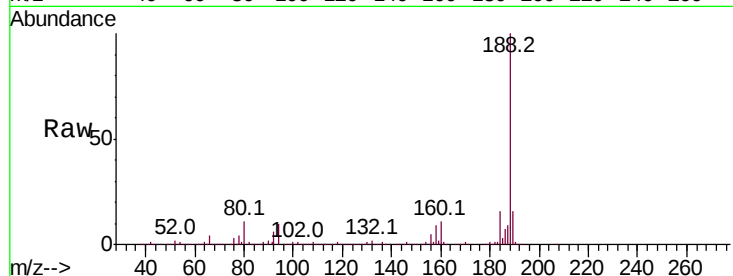
Tot Ion:188 Resp: 1784309

Ion Ratio Lower Upper

188 100

94 10.1 7.1 10.7

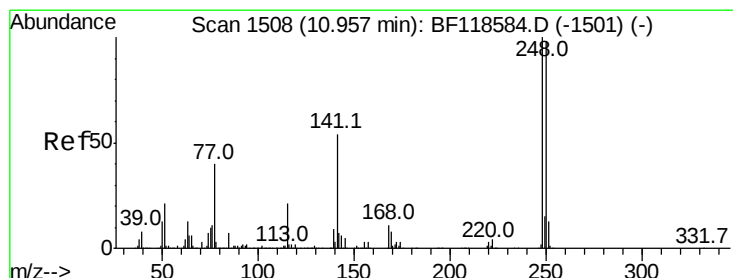
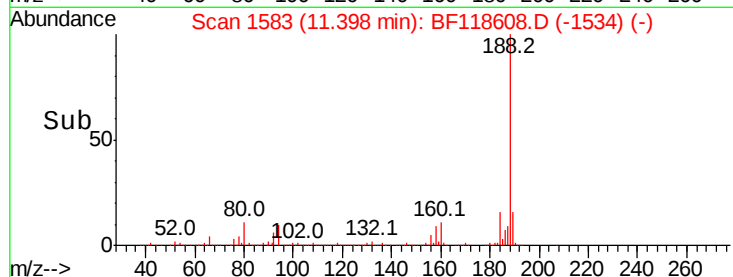
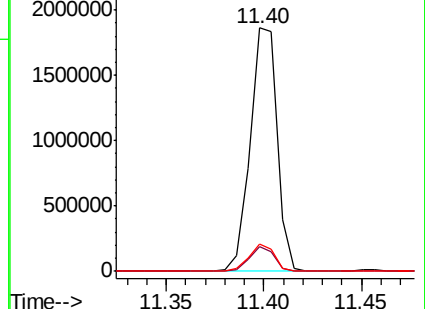
80 11.1 7.5 11.3



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: 4.641 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.25 min

Lab File: BF118608.D

Acq: 20 Jan 2020 23:12

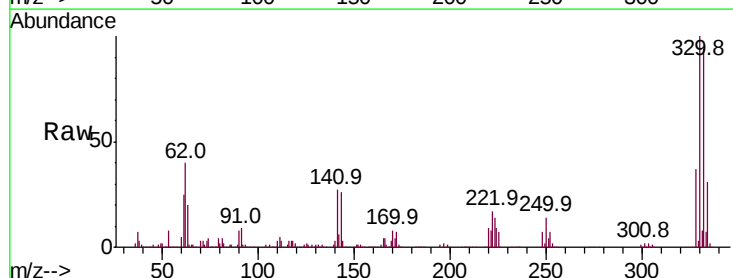
Tgt Ion:248 Resp: 102303

Ion Ratio Lower Upper

248 100

250 197.2 78.7 118.1#

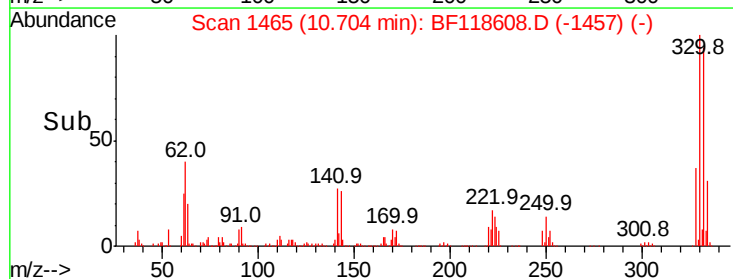
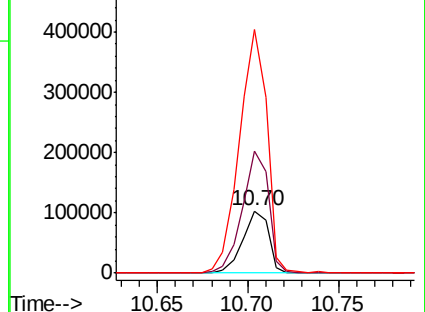
141 393.7 43.2 64.8#

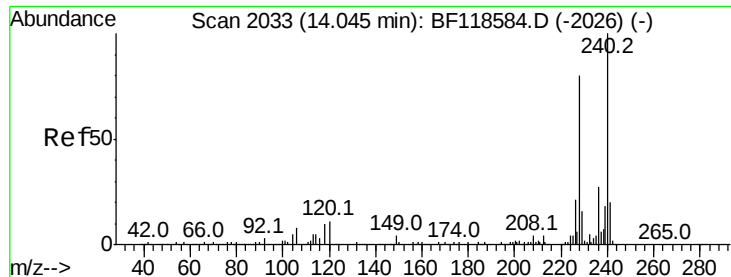


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF118608.D

Acq: 20 Jan 2020 23:12

Instrument :

BNA_F

ClientSampled :

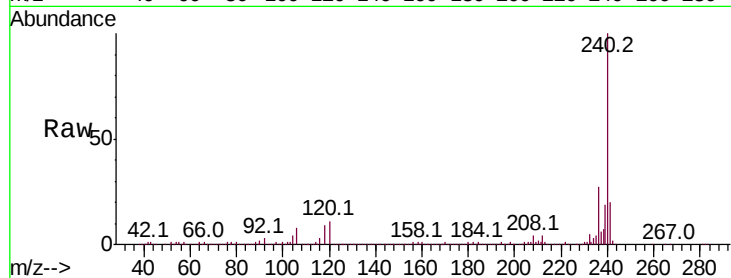
Tot Ion:240 Resp: 971159

Ion Ratio Lower Upper

240 100

120 10.6 8.9 13.3

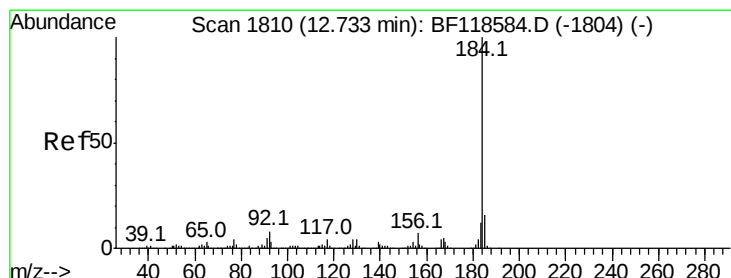
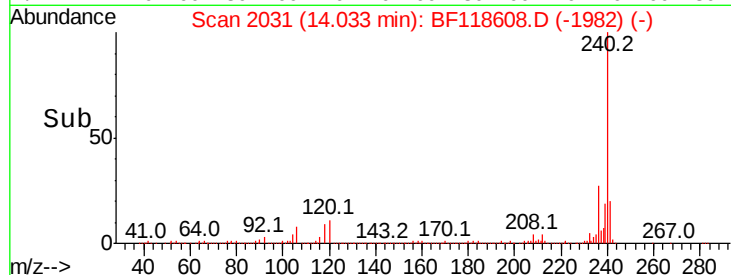
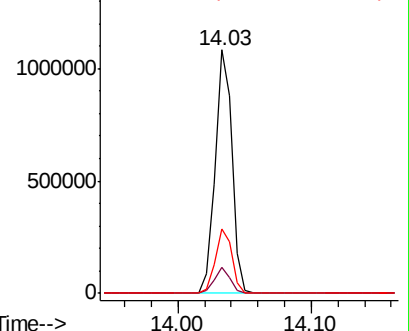
236 26.6 21.5 32.3



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: 2.869 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.26 min

Lab File: BF118608.D

Acq: 20 Jan 2020 23:12

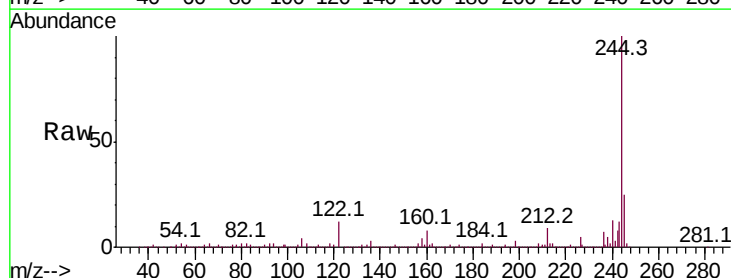
Tgt Ion:184 Resp: 74442

Ion Ratio Lower Upper

184 100

185 16.6 12.9 19.3

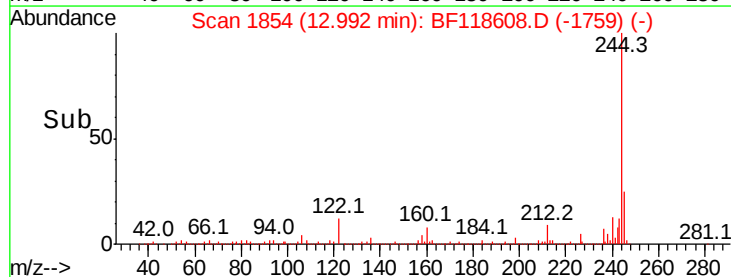
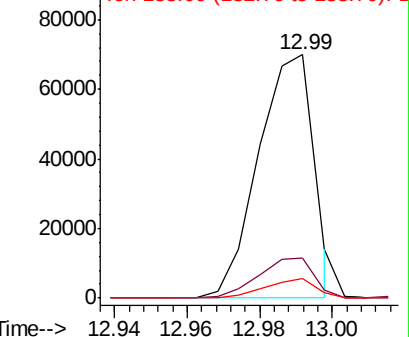
183 7.9 9.6 14.4#

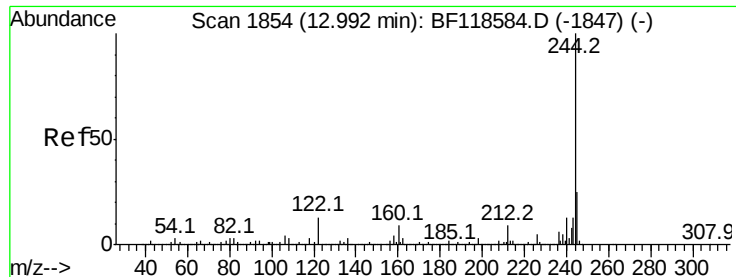


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 113.640 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.00 min

Lab File: BF118608.D

Acq: 20 Jan 2020 23:12

Instrument :

BNA_F

ClientSampled :

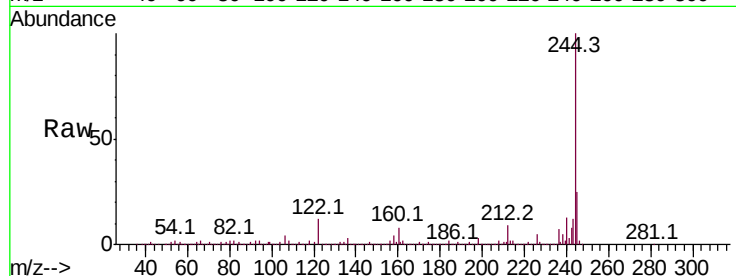
Tot Ion:244 Resp: 5059960

Ion Ratio Lower Upper

244 100

212 8.6 7.0 10.4

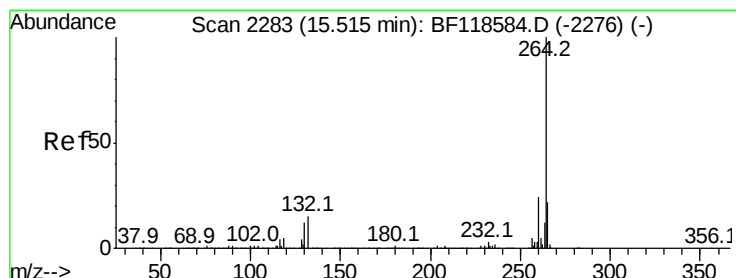
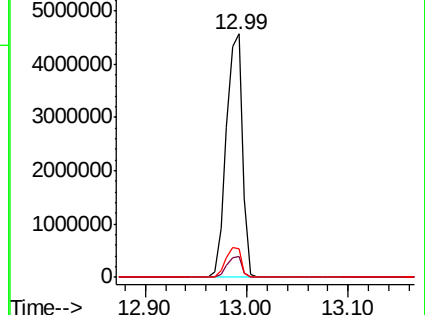
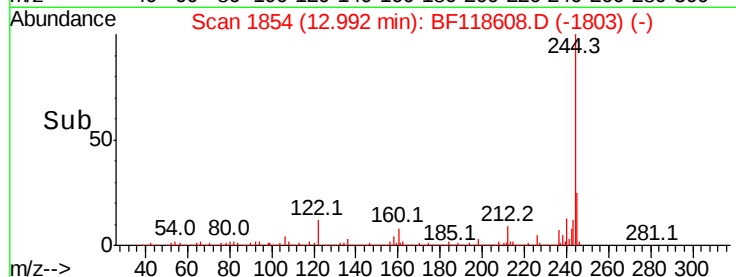
122 11.9 10.7 16.1



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: 15.51 min Scan# 2282

Delta R.T. -0.01 min

Lab File: BF118608.D

Acq: 20 Jan 2020 23:12

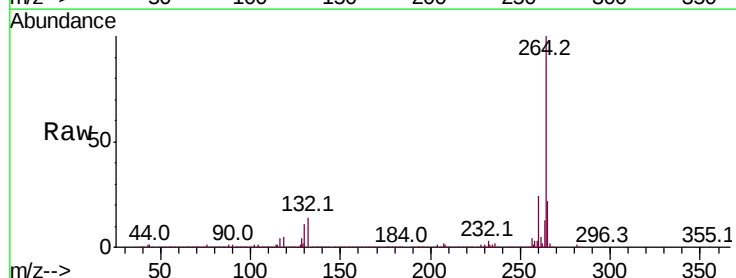
Tgt Ion:264 Resp: 1101214

Ion Ratio Lower Upper

264 100

260 24.1 19.6 29.4

265 21.9 17.7 26.5



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

