

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
 Data File : BF118603.D
 Acq On : 20 Jan 2020 20:51
 Operator : CG/JU
 Sample : L1154-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 21 01:43:03 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

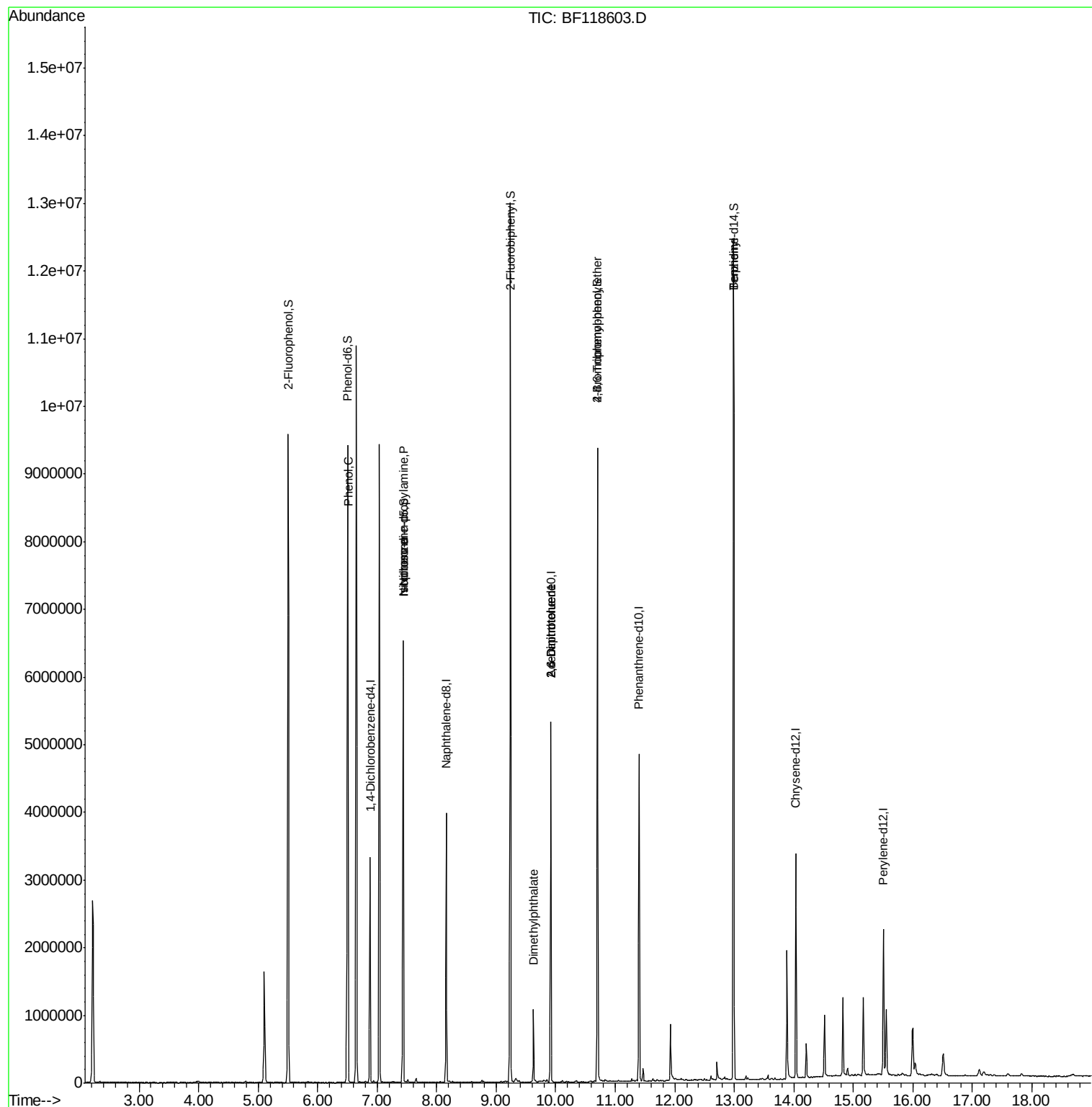
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	485388	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	1819524	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	1033535	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	1798465	20.00	ng	-0.01
76) Chrysene-d12	14.03	240	1053309	20.00	ng	-0.01
87) Perylene-d12	15.50	264	1073220	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	2873406	109.95	ng	0.00
7) Phenol-d6	6.50	99	3838695	113.01	ng	0.00
23) Nitrobenzene-d5	7.44	82	2384395	73.30	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	1261255	105.51	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	4171241	66.33	ng	0.00
79) Terphenyl-d14	12.99	244	4307537	89.20	ng	0.00
Target Compounds						
10) Phenol	6.52	94	146945	3.796	ng	99
19) n-Nitroso-di-n-propylamine	7.44	70	340544	14.847	ng	# 76
25) Isophorone	7.44	82	2377396	40.069	ng	# 64
50) Dimethylphthalate	9.63	163	411099	6.105	ng	98
51) 2,6-Dinitrotoluene	9.92	165	136881	9.078	ng	# 21
57) 2,4-Dinitrotoluene	9.92	165	136881	7.201	ng	# 25
67) 4-Bromophenyl-phenylether	10.70	248	80441	3.620	ng	# 1
77) Benzidine	12.99	184	62463	2.219	ng	# 94

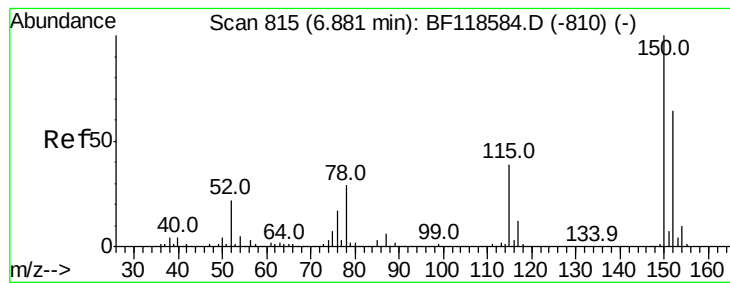
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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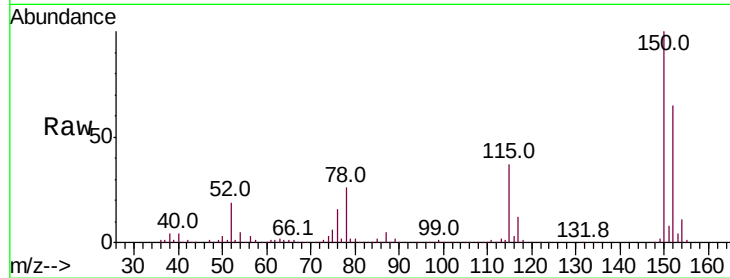


#1

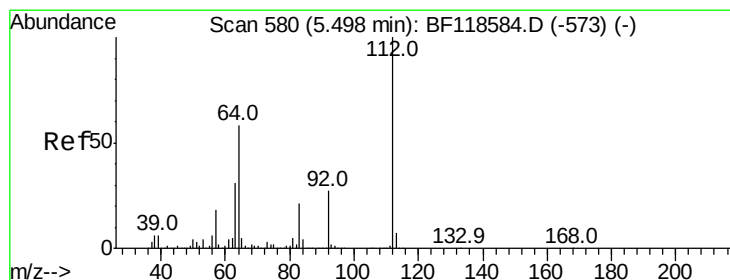
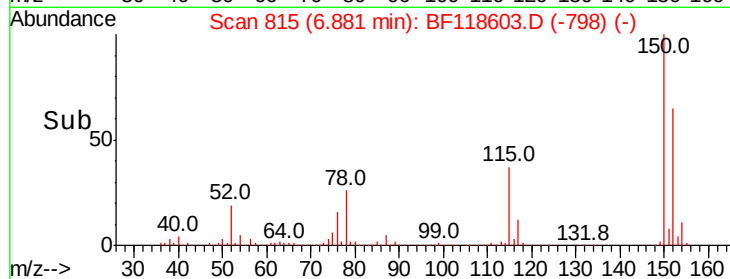
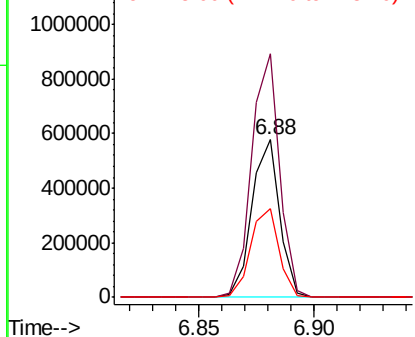
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF118603.D
Acq: 20 Jan 2020 20:51

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 485388
Ion Ratio Lower Upper
152 100
150 154.4 125.6 188.4
115 56.6 48.4 72.6



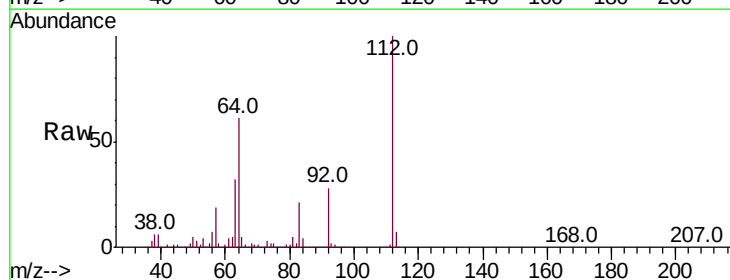
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



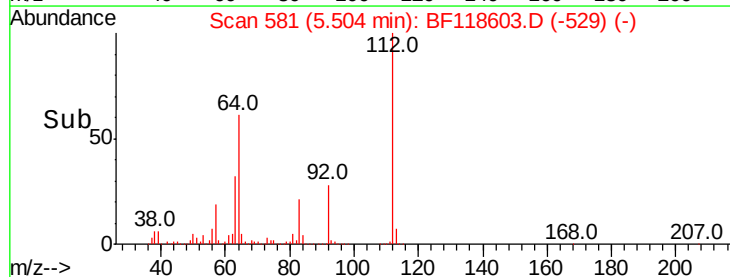
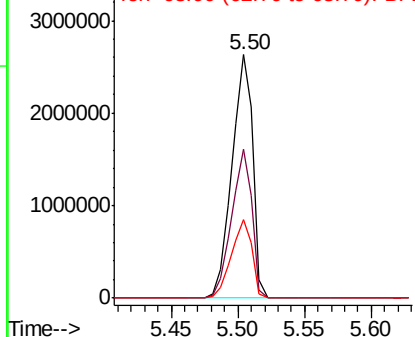
#5

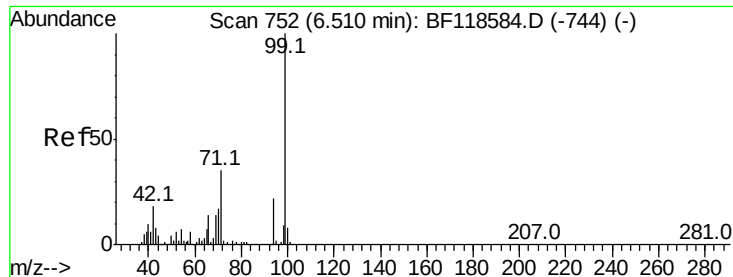
2-Fluorophenol
Concen: 109.946 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF118603.D
Acq: 20 Jan 2020 20:51

Tgt Ion:112 Resp: 2873406
Ion Ratio Lower Upper
112 100
64 61.1 46.6 70.0
63 32.3 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: 113.008 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF118603.D

Acq: 20 Jan 2020 20:51

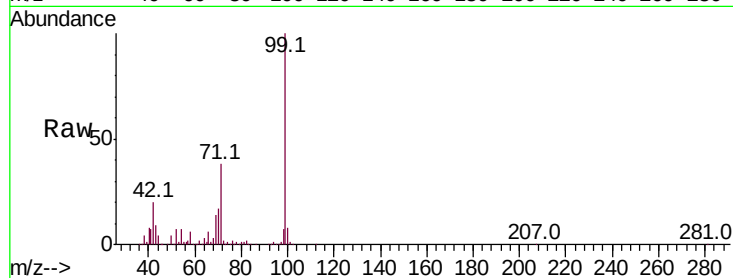
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 3838695

Ion	Ratio	Lower	Upper
99	100		
42	19.5	14.2	21.2
71	37.8	27.8	41.6

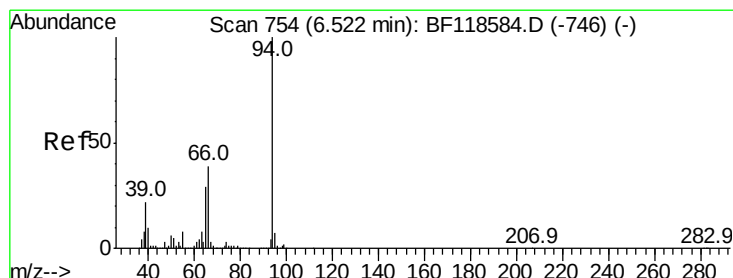
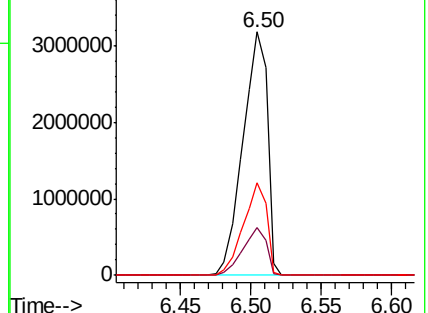
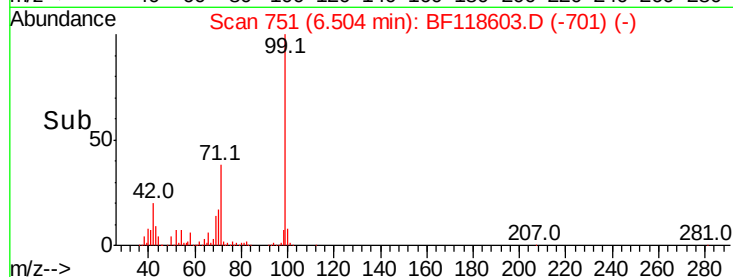


Abundance

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: 3.796 ng

RT: 6.52 min Scan# 753

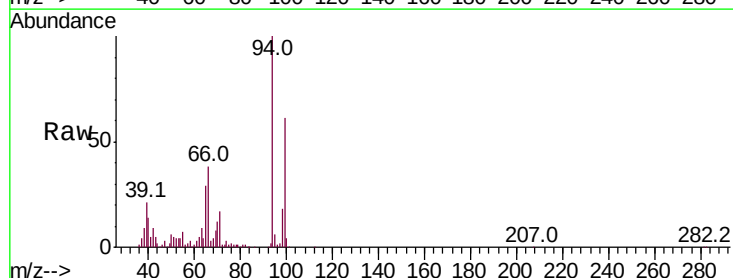
Delta R.T. -0.01 min

Lab File: BF118603.D

Acq: 20 Jan 2020 20:51

Tgt Ion: 94 Resp: 146945

Ion	Ratio	Lower	Upper
94	100		
65	28.9	9.5	49.5
66	38.4	18.5	58.5

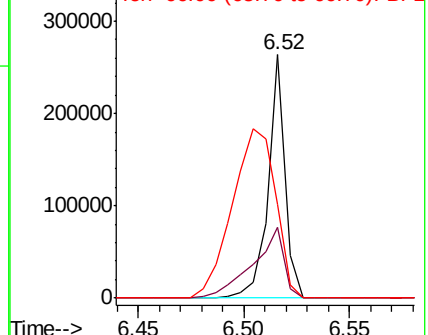
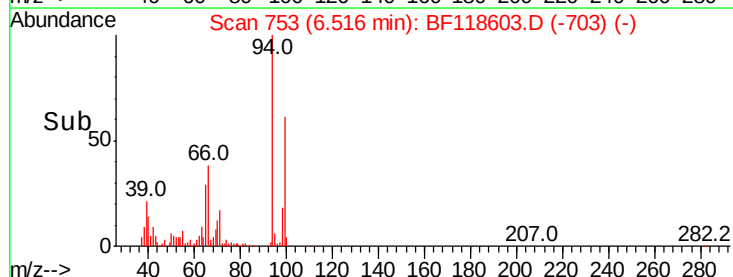


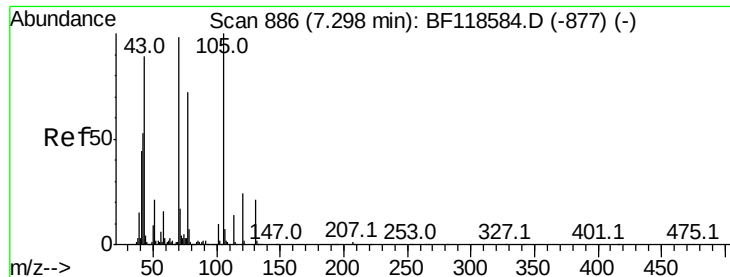
Abundance

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

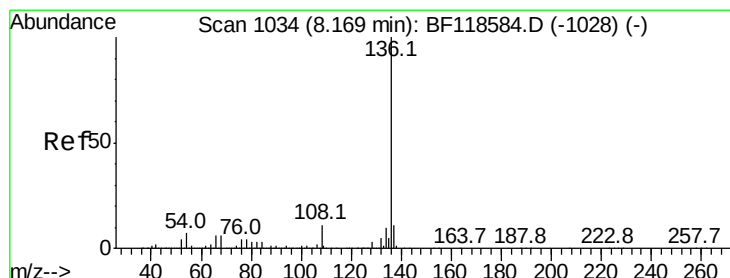
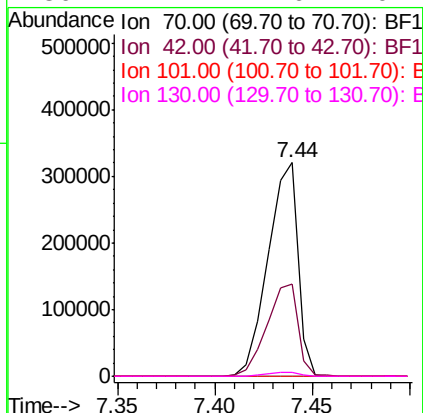
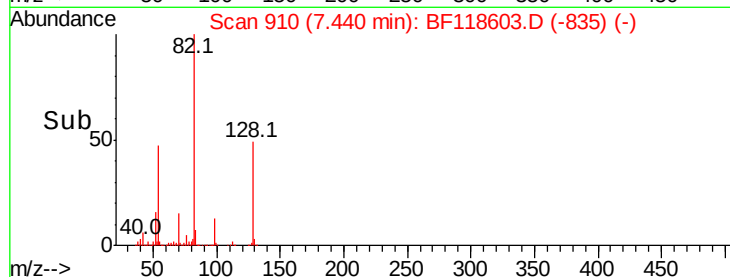
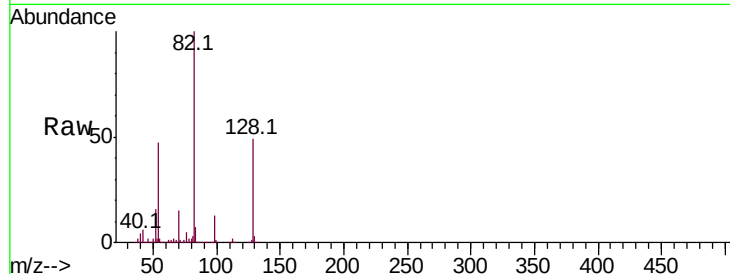




#19
n-Nitroso-di-n-propylamine
Concen: 14.847 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.14 min
Lab File: BF118603.D
Acq: 20 Jan 2020 20:51

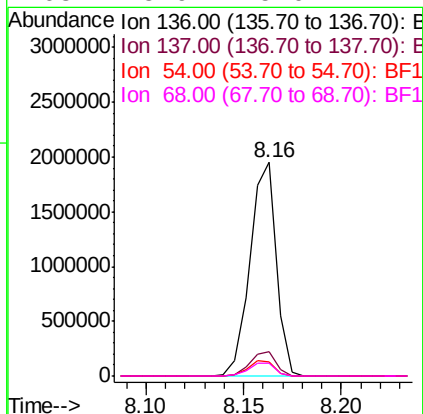
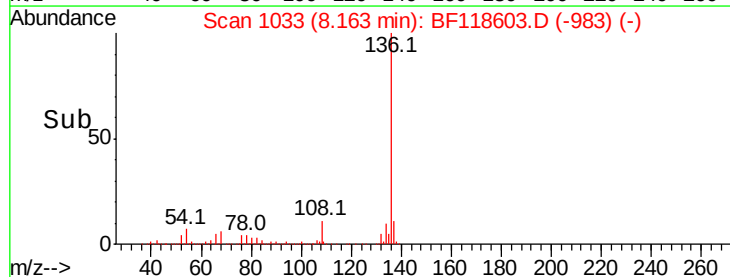
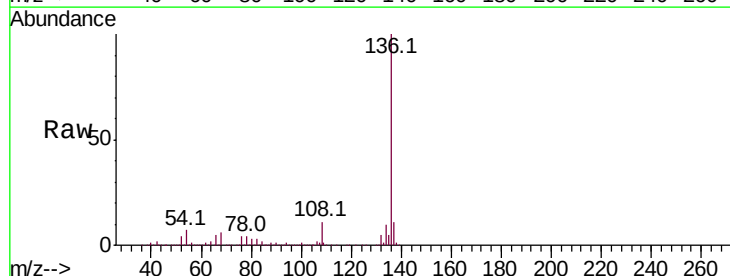
Instrument :
BNA_F
ClientSampleId :

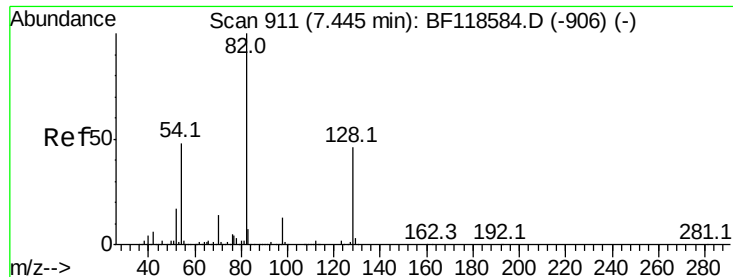
Tot Ion: 70 Resp: 340544
Ion Ratio Lower Upper
70 100
42 43.1 43.4 65.0#
101 0.0 8.1 12.1#
130 2.1 17.6 26.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF118603.D
Acq: 20 Jan 2020 20:51

Tgt Ion:136 Resp: 1819524
Ion Ratio Lower Upper
136 100
137 11.5 9.1 13.7
54 6.8 5.8 8.6
68 5.9 5.0 7.4





#23

Nitrobenzene-d5

Concen: 73.299 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF118603.D

Acq: 20 Jan 2020 20:51

Instrument :

BNA_F

ClientSampled :

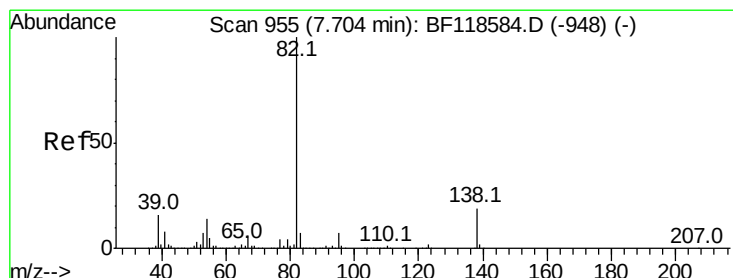
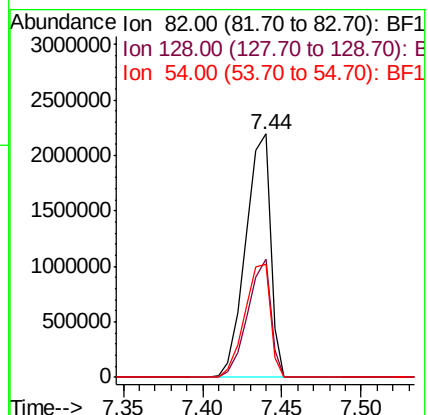
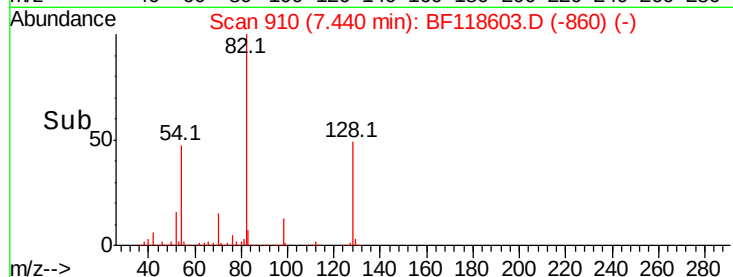
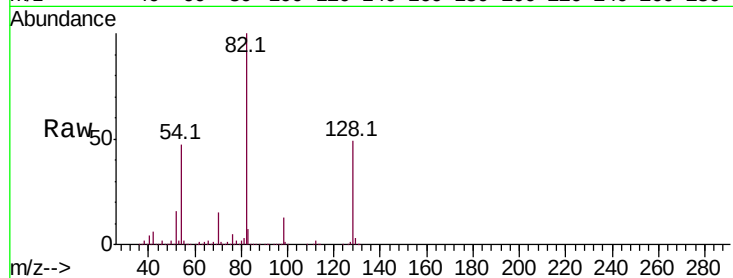
Tot Ion: 82 Resp: 2384395

Ion Ratio Lower Upper

82 100

128 48.6 36.6 54.8

54 46.7 38.0 57.0



#25

Isophorone

Concen: 40.069 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF118603.D

Acq: 20 Jan 2020 20:51

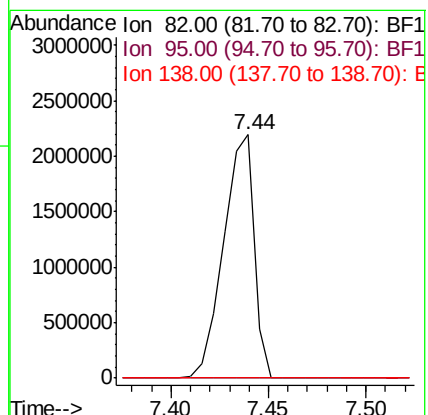
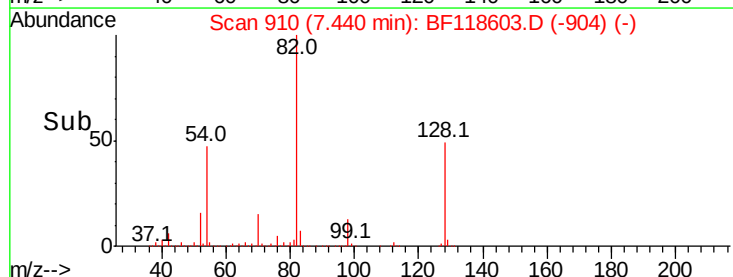
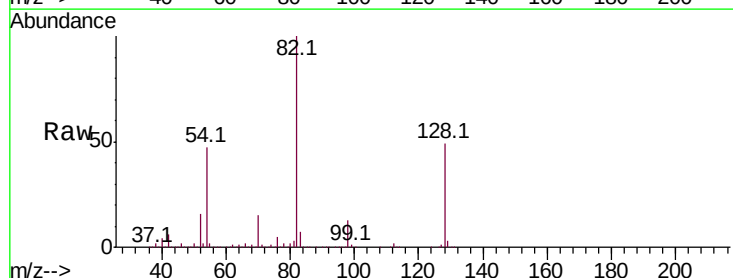
Tgt Ion: 82 Resp: 2377396

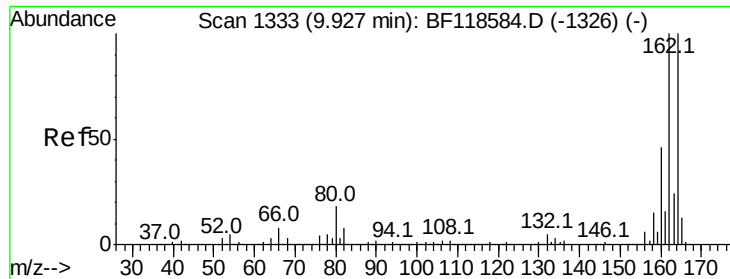
Ion Ratio Lower Upper

82 100

95 0.0 5.9 8.9#

138 0.0 15.3 22.9#



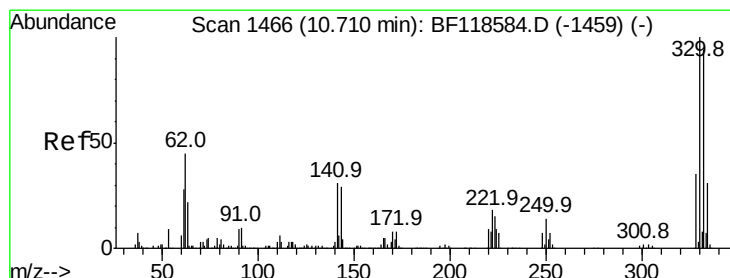
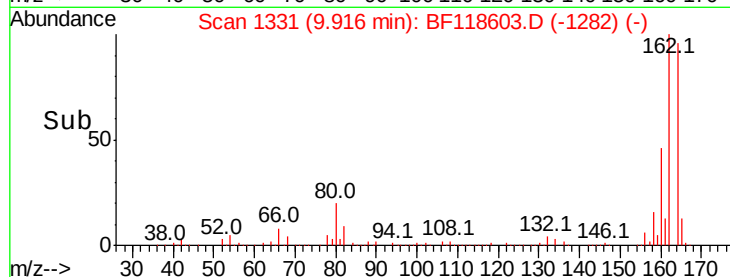
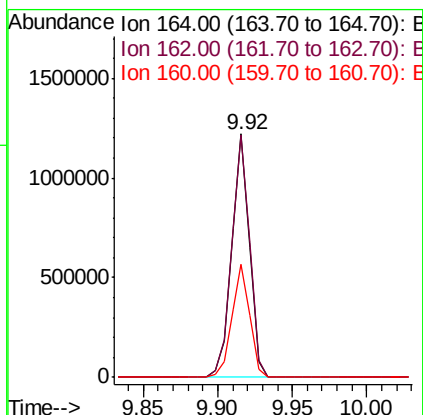
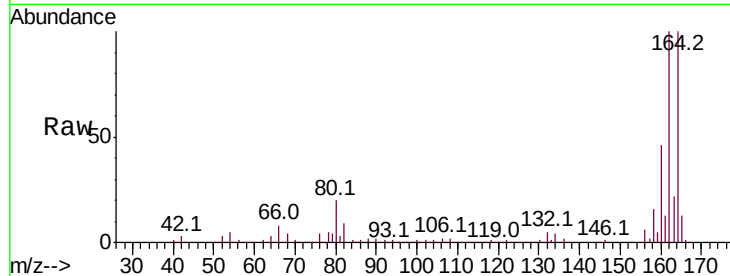


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF118603.D
 Acq: 20 Jan 2020 20:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 1033535

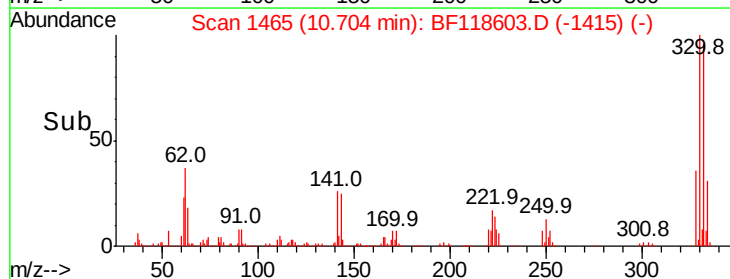
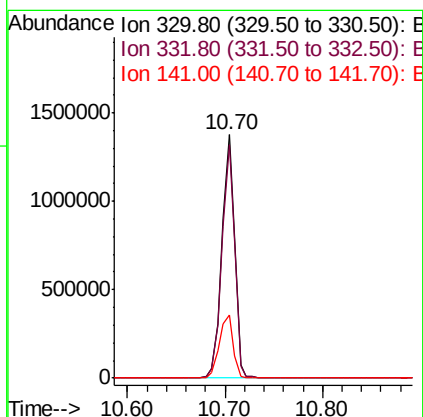
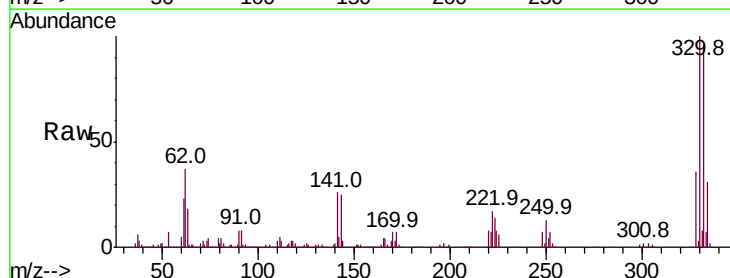
Ion	Ratio	Lower	Upper
164	100		
162	99.8	80.4	120.6
160	46.2	36.6	55.0

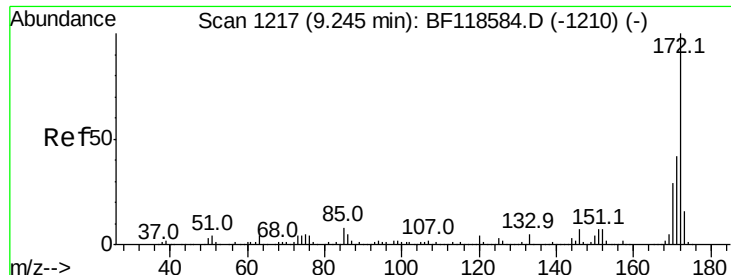


#42
 2,4,6-Tribromophenol
 Concen: 105.508 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF118603.D
 Acq: 20 Jan 2020 20:51

Tgt Ion:330 Resp: 1261255

Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.2	114.4
141	28.4	23.9	35.9



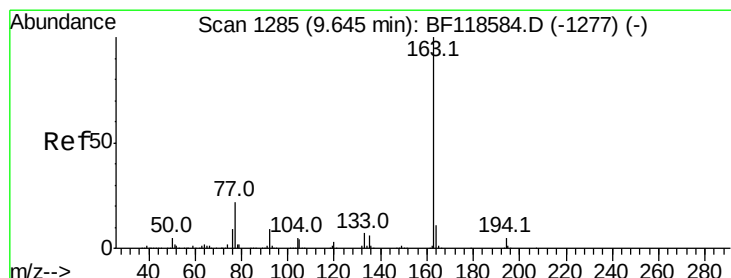
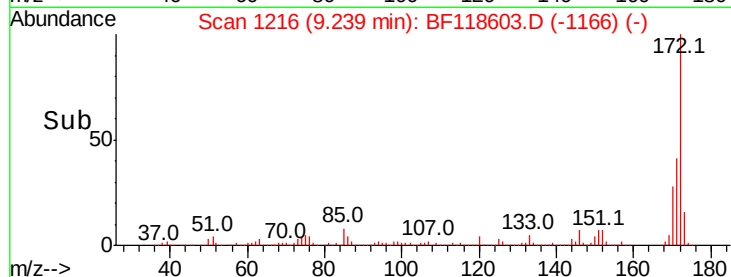
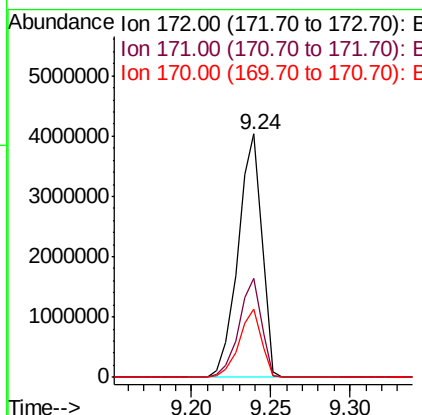
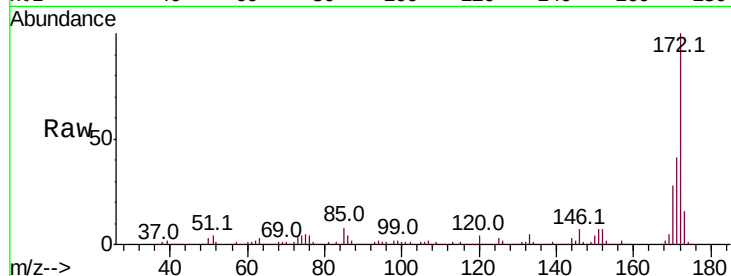


#45
 2-Fluorobiphenyl
 Concen: 66.335 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF118603.D
 Acq: 20 Jan 2020 20:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 4171241

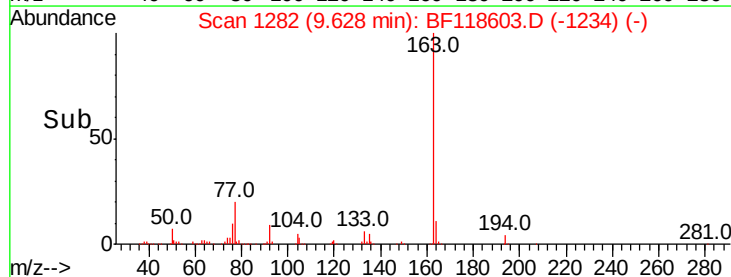
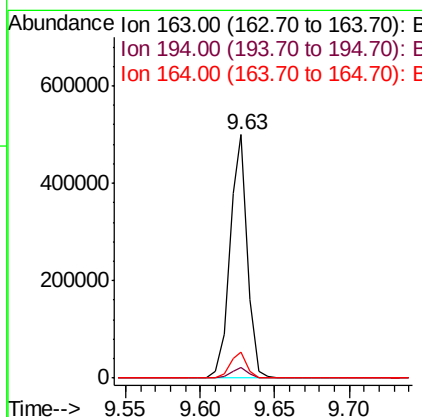
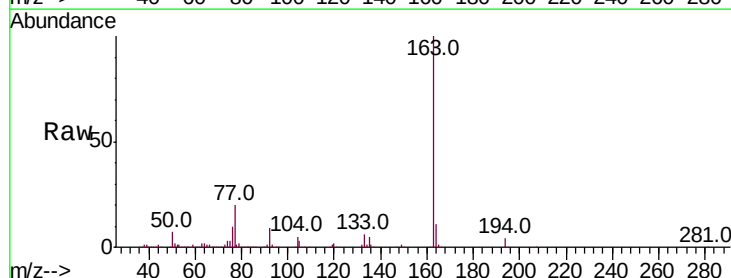
Ion	Ratio	Lower	Upper
172	100		
171	40.8	33.4	50.2
170	28.1	23.2	34.8

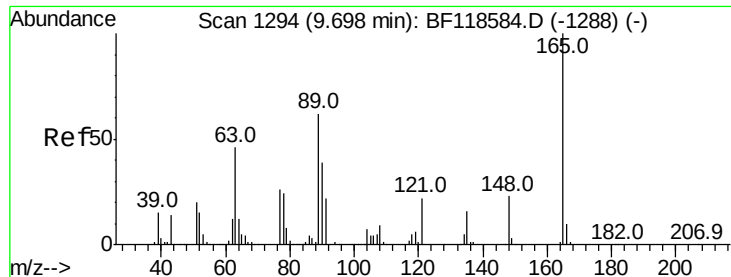


#50
 Dimethylphthalate
 Concen: 6.105 ng
 RT: 9.63 min Scan# 1282
 Delta R.T. -0.02 min
 Lab File: BF118603.D
 Acq: 20 Jan 2020 20:51

Tgt Ion:163 Resp: 411099

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.9	5.9
164	10.7	9.1	13.7

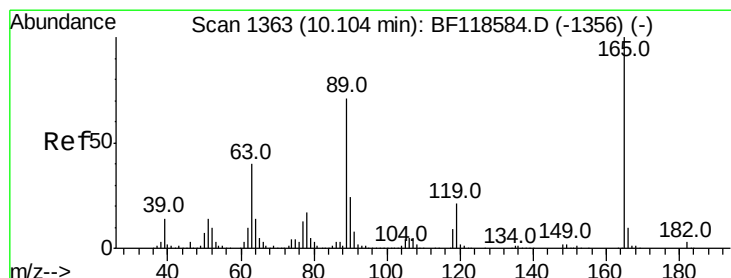
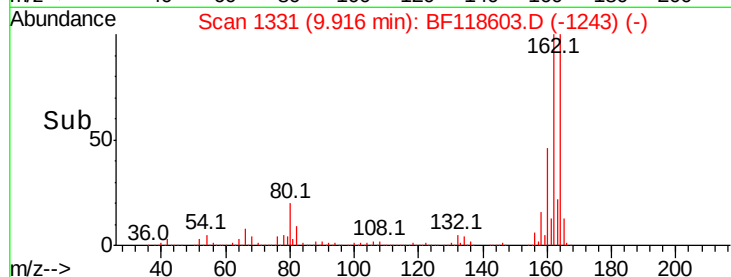
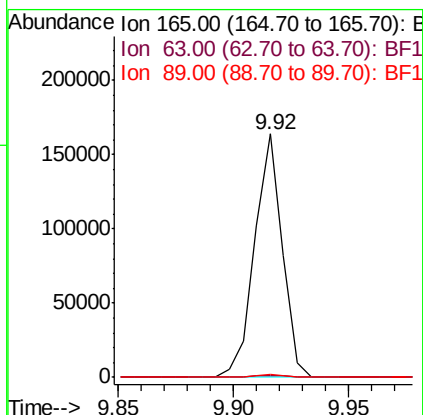
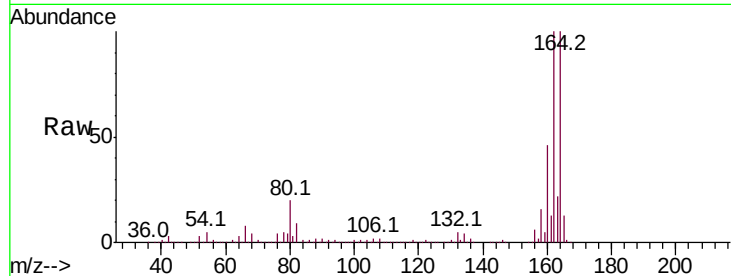




#51
 2,6-Dinitrotoluene
 Concen: 9.078 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.22 min
 Lab File: BF118603.D
 Acq: 20 Jan 2020 20:51

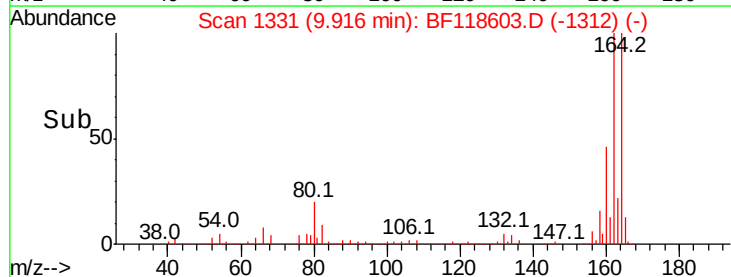
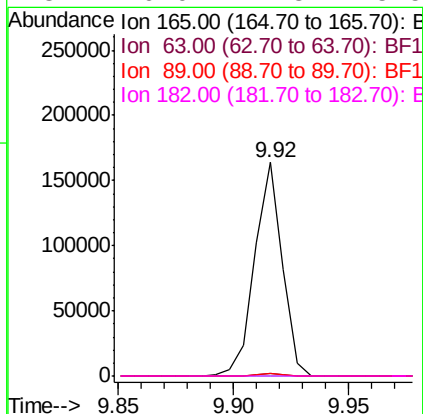
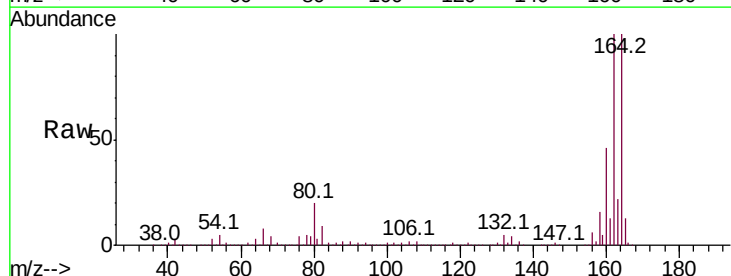
Instrument :
 BNA_F
 ClientSampleId :

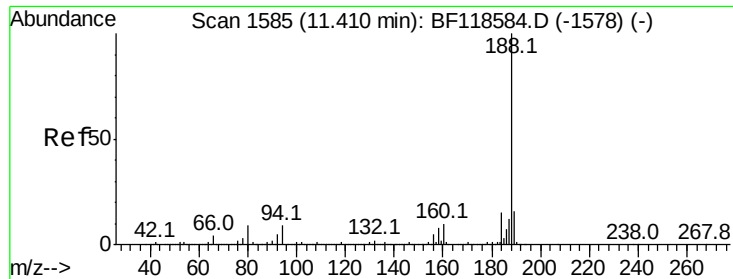
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	48.9	73.3#
89	1.4	49.8	74.6#



#57
 2,4-Dinitrotoluene
 Concen: 7.201 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF118603.D
 Acq: 20 Jan 2020 20:51

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	32.4	48.6#
89	1.4	56.4	84.6#
182	0.0	2.3	3.5#

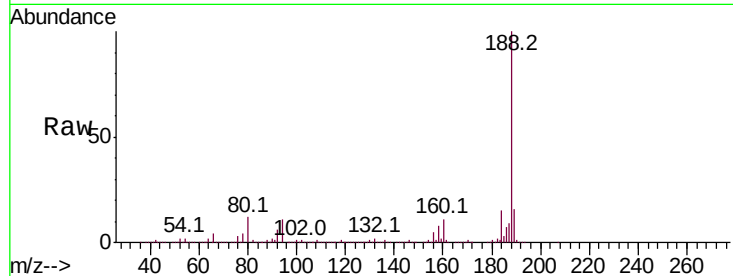




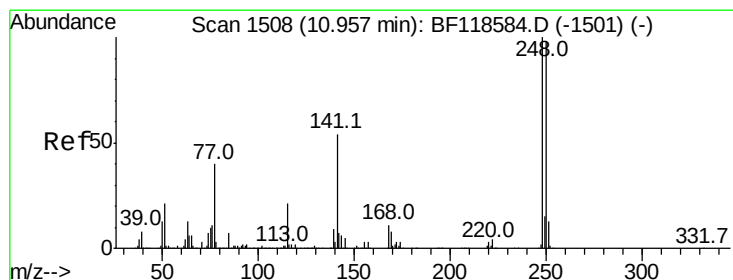
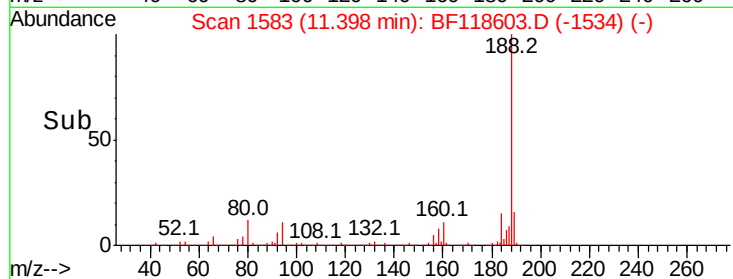
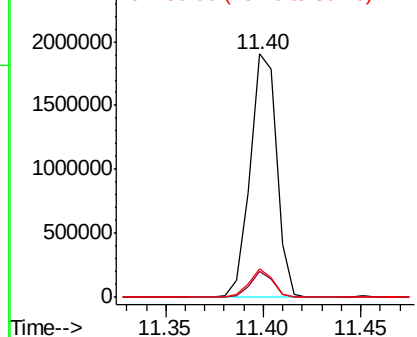
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF118603.D
Acq: 20 Jan 2020 20:51

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 1798465
Ion Ratio Lower Upper
188 100
94 10.7 7.1 10.7
80 11.6 7.5 11.3#

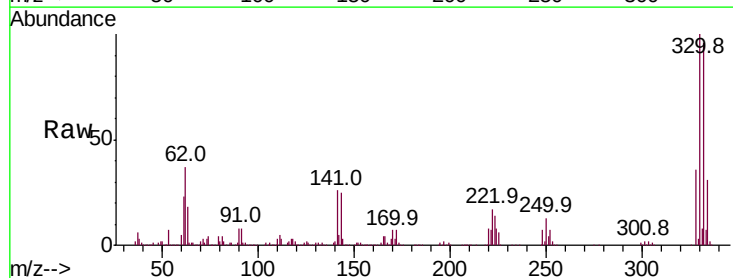


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

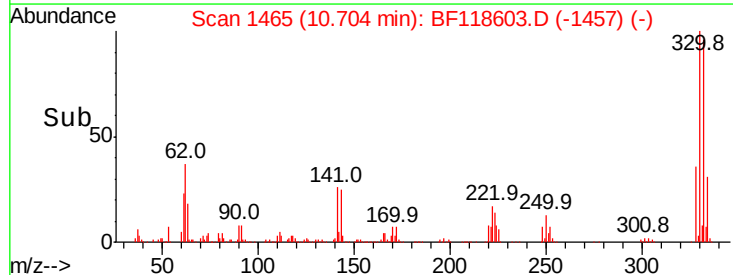
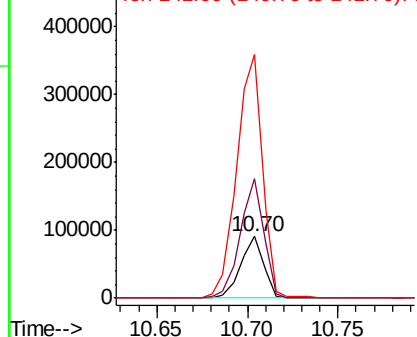


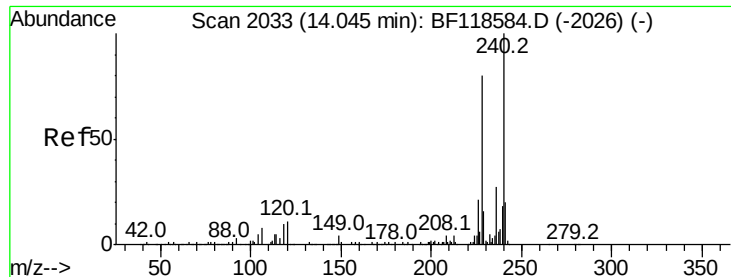
#67
4-Bromophenyl-phenylether
Concen: 3.620 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.25 min
Lab File: BF118603.D
Acq: 20 Jan 2020 20:51

Tgt Ion:248 Resp: 80441
Ion Ratio Lower Upper
248 100
250 193.8 78.7 118.1#
141 396.4 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: BF118603.D

Acq: 20 Jan 2020 20:51

Instrument :

BNA_F

ClientSampleId :

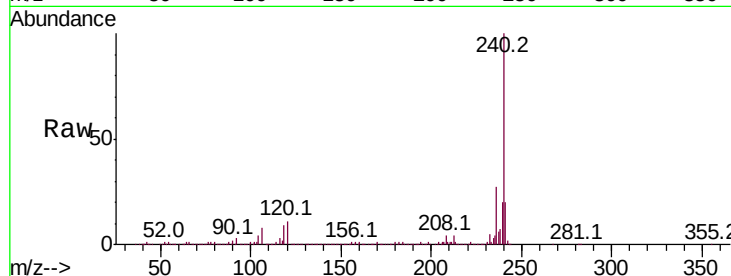
Tot Ion:240 Resp: 1053309

Ion Ratio Lower Upper

240 100

120 10.7 8.9 13.3

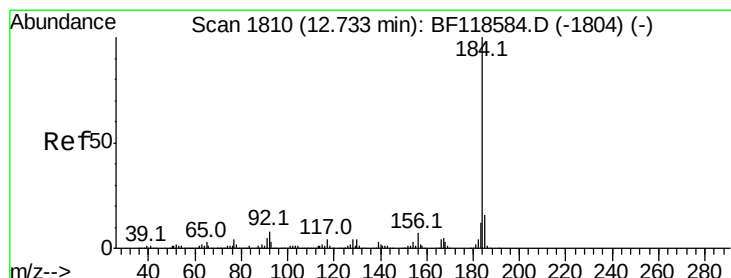
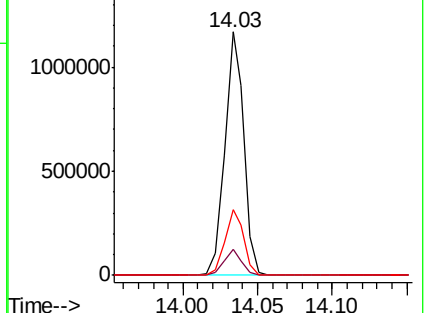
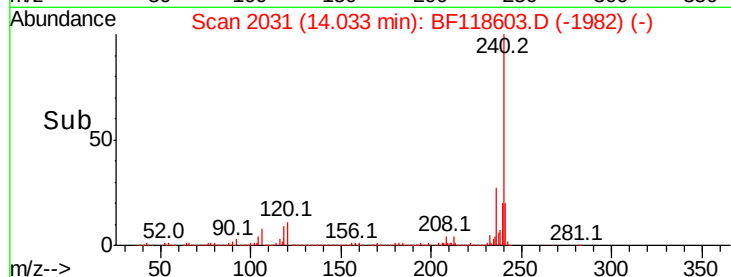
236 26.9 21.5 32.3



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: 2.219 ng

RT: 12.99 min Scan# 1853

Delta R.T. 0.25 min

Lab File: BF118603.D

Acq: 20 Jan 2020 20:51

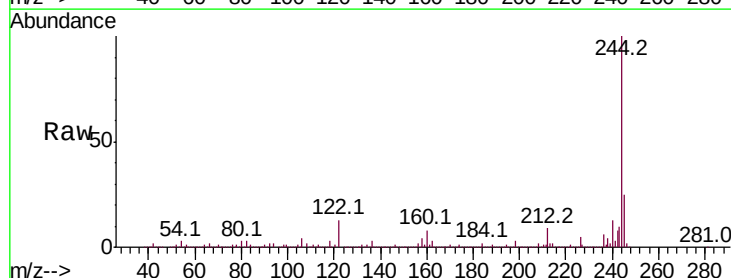
Tgt Ion:184 Resp: 62463

Ion Ratio Lower Upper

184 100

185 15.7 12.9 19.3

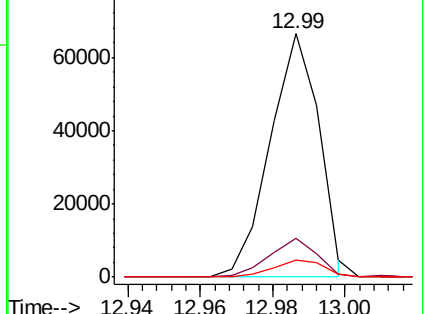
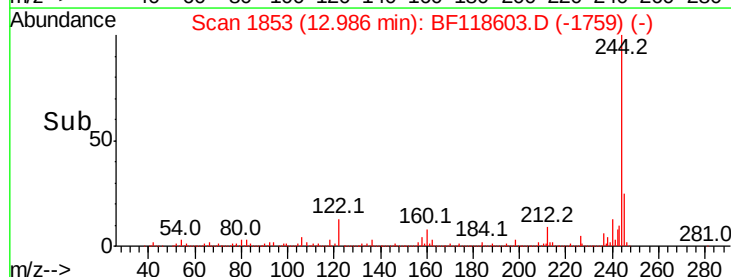
183 6.7 9.6 14.4#

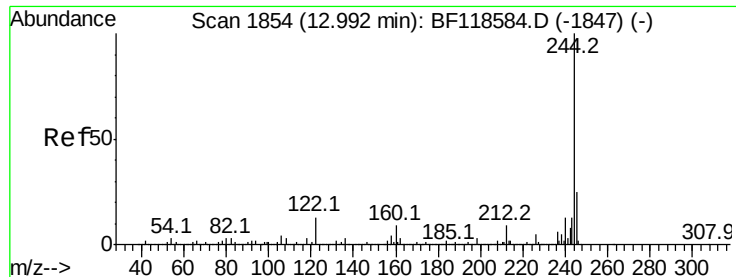


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 89.196 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF118603.D

Acq: 20 Jan 2020 20:51

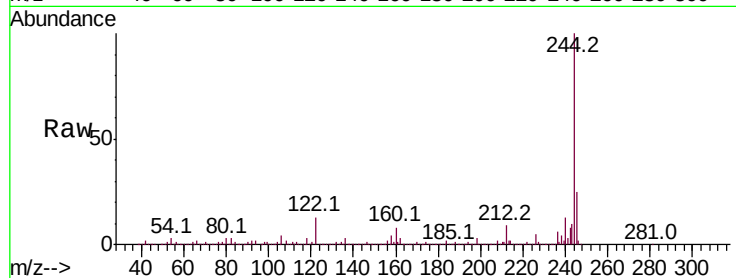
Instrument :

BNA_F

ClientSampled :

Tot Ion:244 Resp: 4307537

Ion	Ratio	Lower	Upper
244	100		
212	8.6	7.0	10.4
122	13.0	10.7	16.1

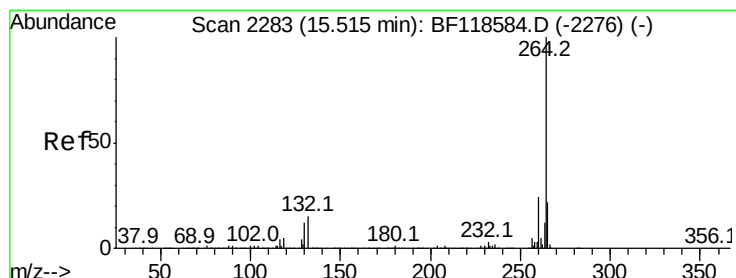
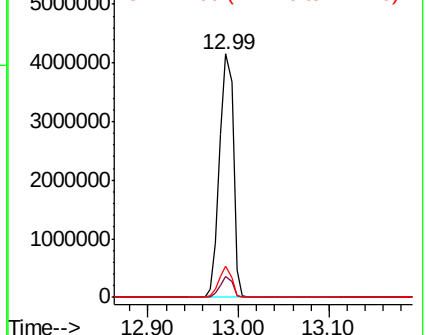
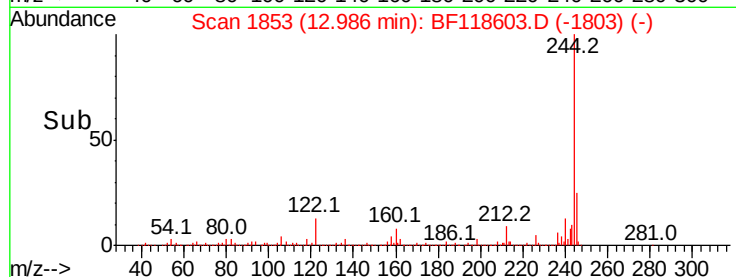


Abundance

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: 15.50 min Scan# 2281

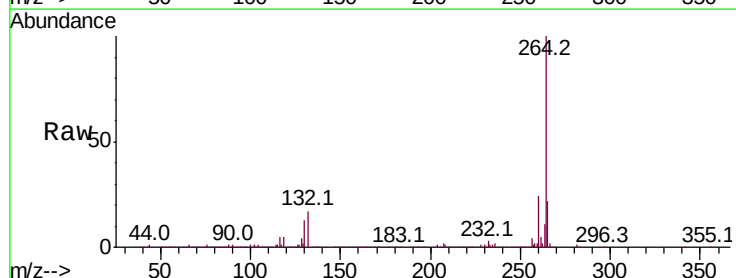
Delta R.T. -0.01 min

Lab File: BF118603.D

Acq: 20 Jan 2020 20:51

Tgt Ion:264 Resp: 1073220

Ion	Ratio	Lower	Upper
264	100		
260	24.2	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

