

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
 Data File : BF118602.D
 Acq On : 20 Jan 2020 20:24
 Operator : CG/JU
 Sample : L1176-15
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 21 01:42:43 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

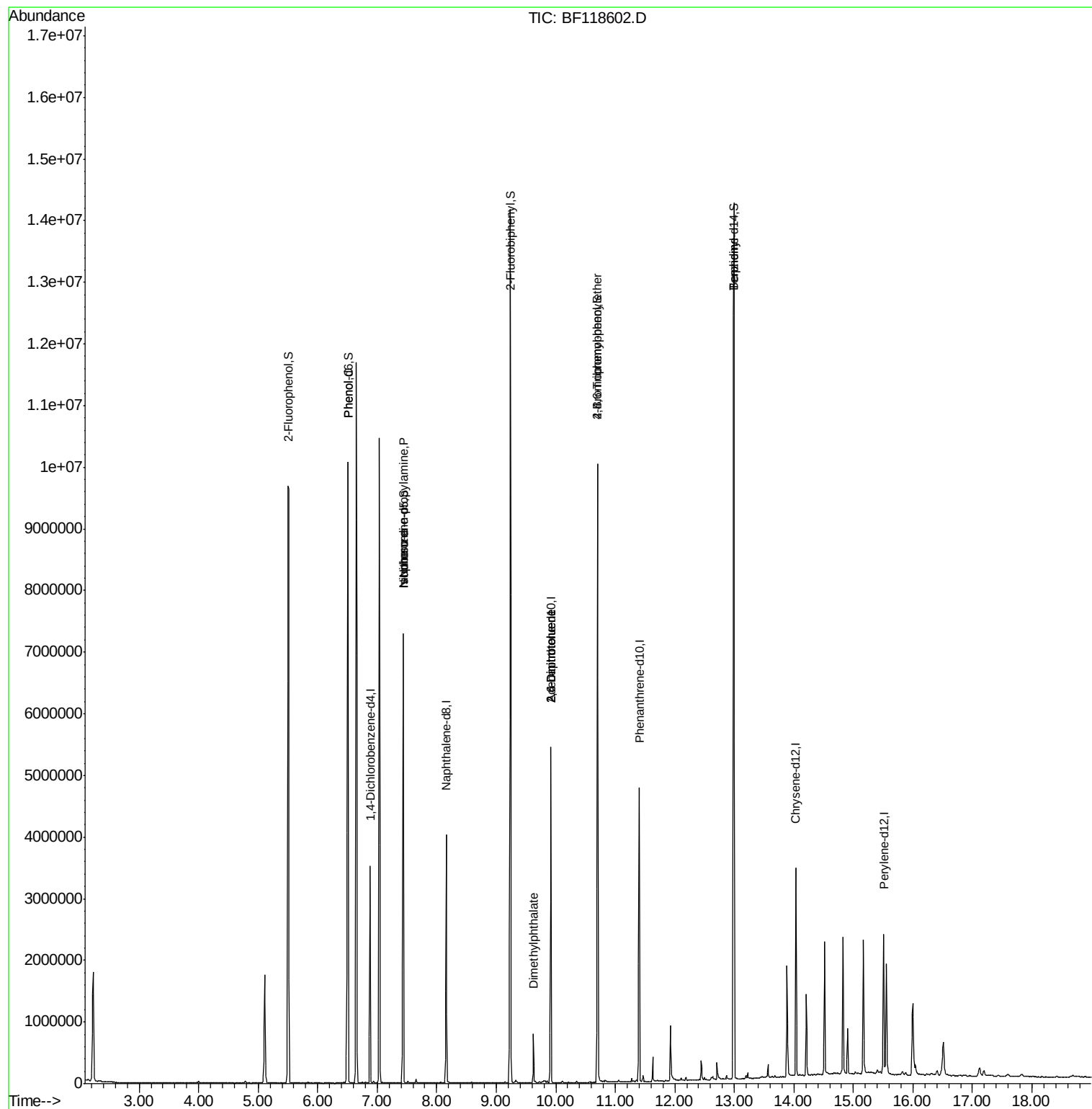
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	498754	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	1835424	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	1037128	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	1837292	20.00	ng	0.00
76) Chrysene-d12	14.03	240	1096172	20.00	ng	-0.01
87) Perylene-d12	15.51	264	1124189	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	3143839	117.07	ng	0.01
7) Phenol-d6	6.51	99	4144824	118.75	ng	0.00
23) Nitrobenzene-d5	7.44	82	2632351	80.22	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	1447876	120.70	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	4805447	76.16	ng	0.00
79) Terphenyl-d14	12.99	244	5132807	102.13	ng	0.00
Target Compounds						
10) Phenol	6.52	94	156644	3.938	ng	93
19) n-Nitroso-di-n-propylamine	7.44	70	380734	16.155	ng	# 77
25) Isophorone	7.44	82	2624518	43.851	ng	# 64
50) Dimethylphthalate	9.63	163	297321	4.400	ng	97
51) 2,6-Dinitrotoluene	9.92	165	140307	9.273	ng	# 21
57) 2,4-Dinitrotoluene	9.92	165	140307	7.356	ng	# 25
67) 4-Bromophenyl-phenylether	10.70	248	94081	4.145	ng	# 1
77) Benzidine	12.99	184	75747	2.586	ng	# 94

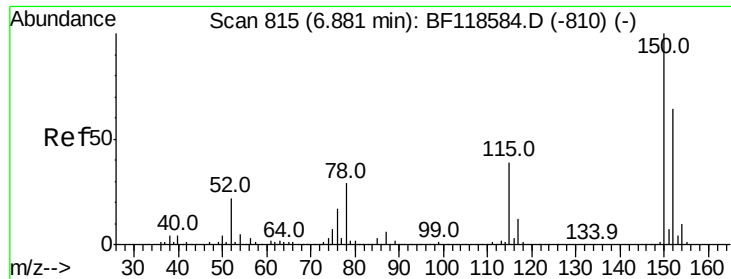
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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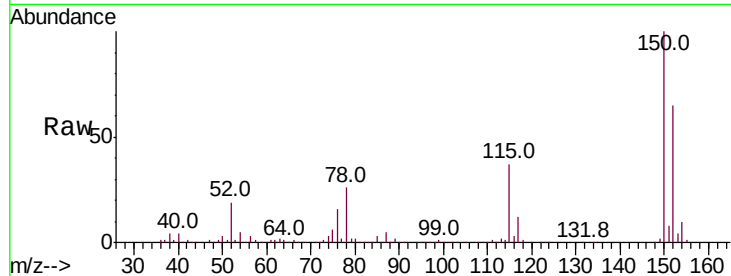


#1

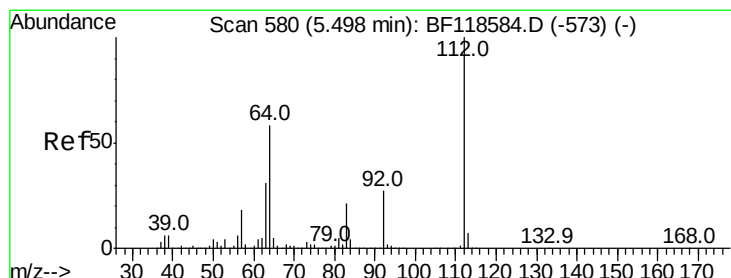
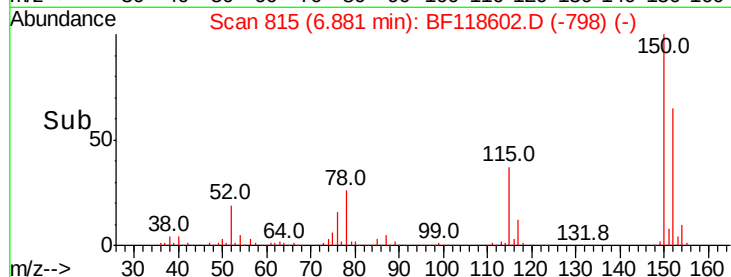
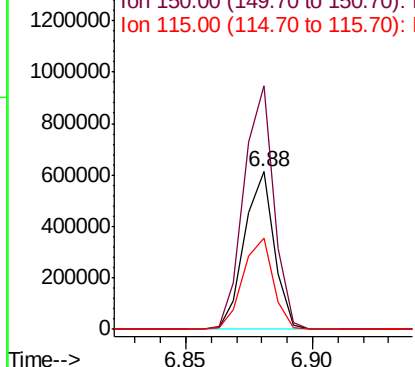
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF118602.D
Acq: 20 Jan 2020 20:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 498754
Ion Ratio Lower Upper
152 100
150 154.8 125.6 188.4
115 57.8 48.4 72.6



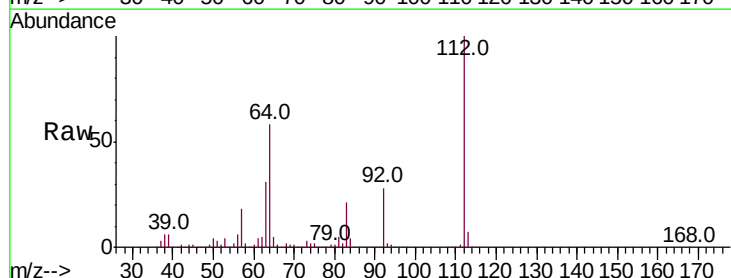
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



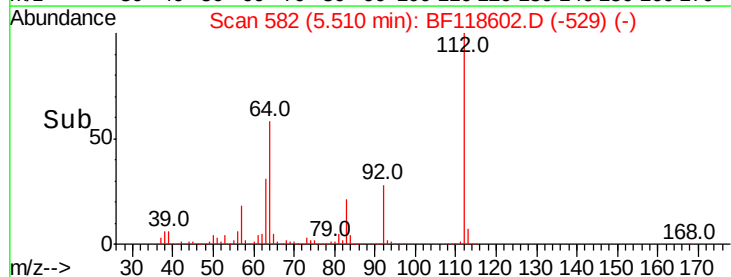
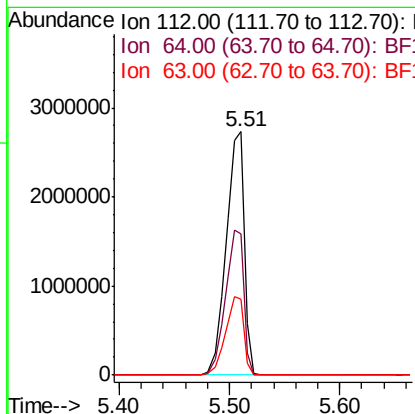
#5

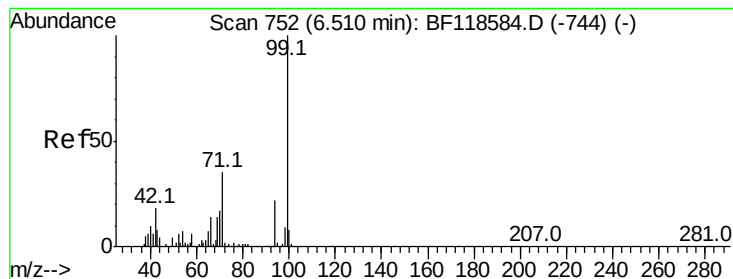
2-Fluorophenol
Concen: 117.070 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.01 min
Lab File: BF118602.D
Acq: 20 Jan 2020 20:24

Tgt Ion:112 Resp: 3143839
Ion Ratio Lower Upper
112 100
64 57.8 46.6 70.0
63 31.2 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: 118.750 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF118602.D

Acq: 20 Jan 2020 20:24

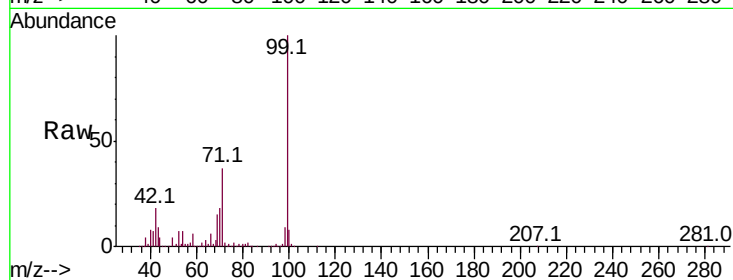
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 4144824

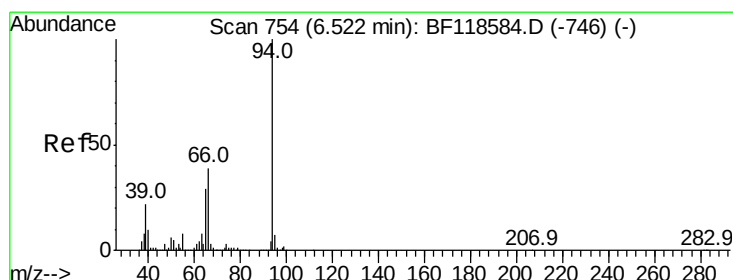
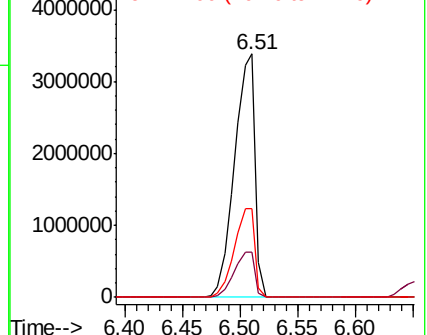
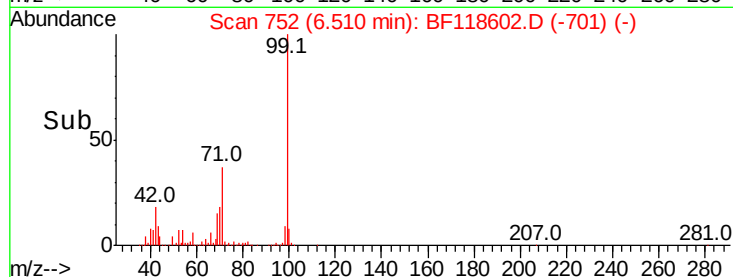
Ion	Ratio	Lower	Upper
99	100		
42	18.3	14.2	21.2
71	36.7	27.8	41.6



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: 3.938 ng

RT: 6.52 min Scan# 753

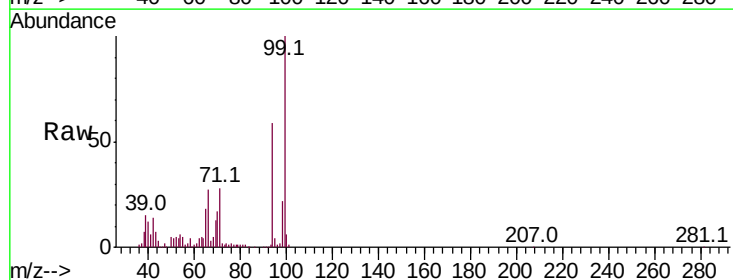
Delta R.T. -0.01 min

Lab File: BF118602.D

Acq: 20 Jan 2020 20:24

Tgt Ion: 94 Resp: 156644

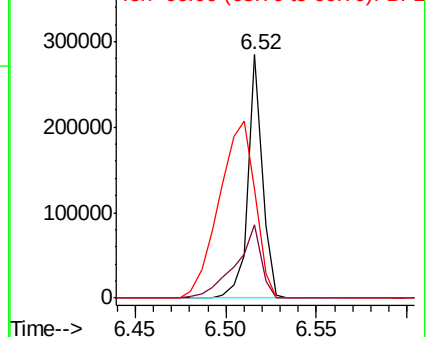
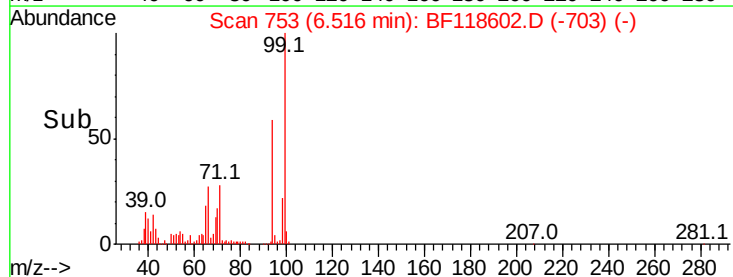
Ion	Ratio	Lower	Upper
94	100		
65	30.2	9.5	49.5
66	45.1	18.5	58.5

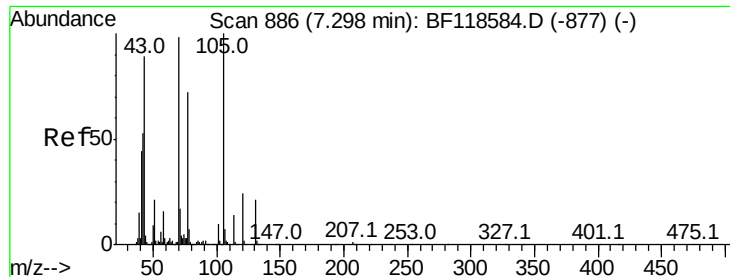


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

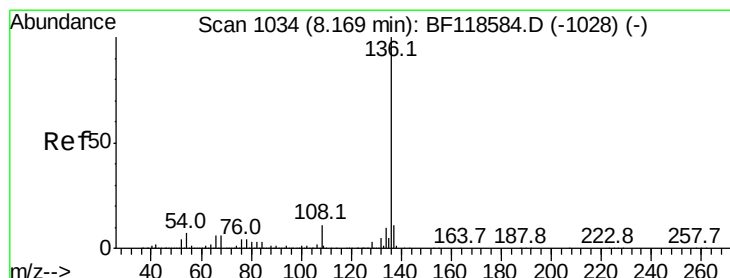
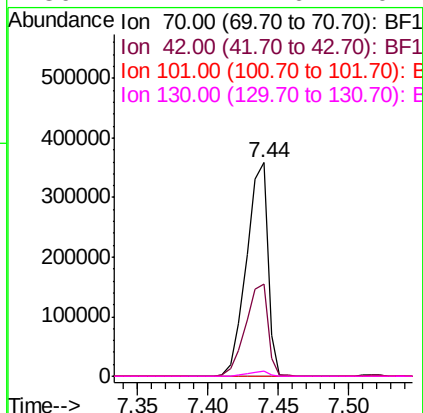
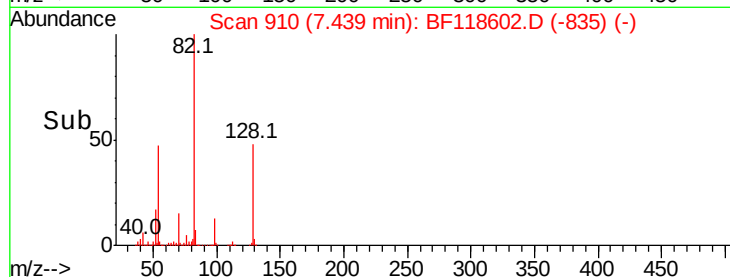
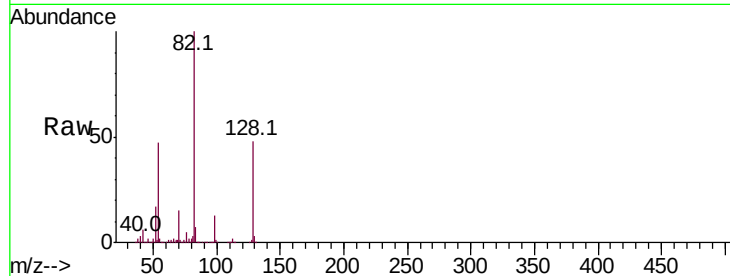




#19
n-Nitroso-di-n-propylamine
Concen: 16.155 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.14 min
Lab File: BF118602.D
Acq: 20 Jan 2020 20:24

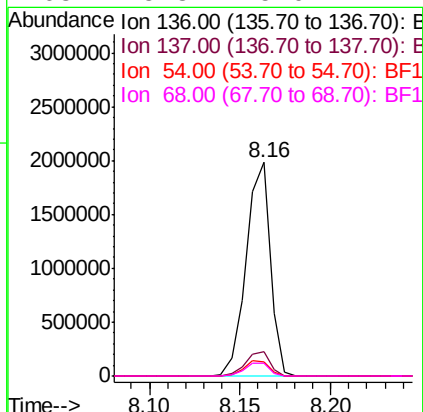
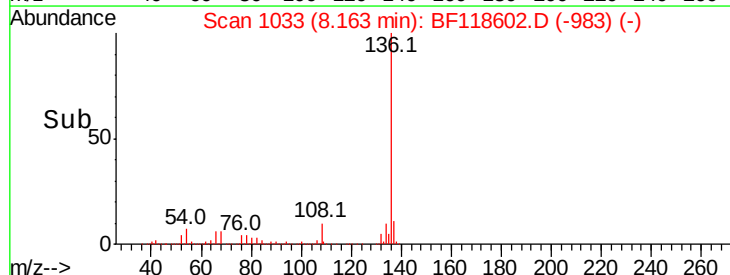
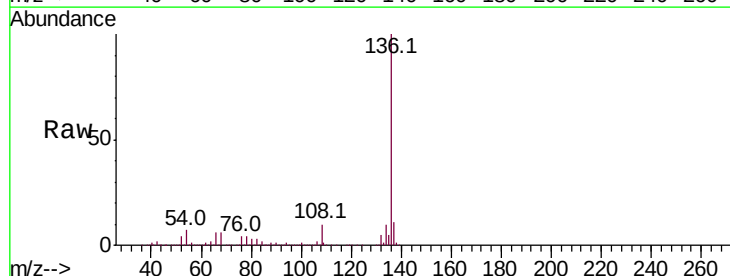
Instrument :
BNA_F
ClientSampleId :

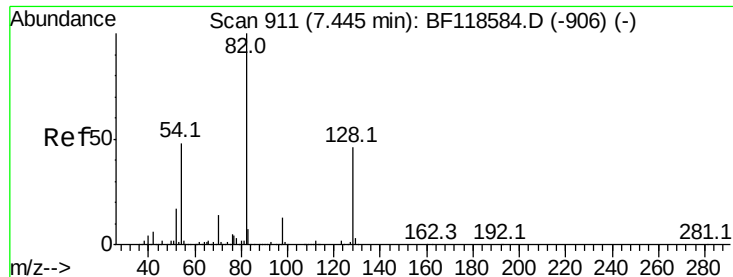
Tot Ion: 70 Resp: 380734
Ion Ratio Lower Upper
70 100
42 43.4 43.4 65.0
101 0.0 8.1 12.1#
130 2.2 17.6 26.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF118602.D
Acq: 20 Jan 2020 20:24

Tgt Ion: 136 Resp: 1835424
Ion Ratio Lower Upper
136 100
137 11.2 9.1 13.7
54 6.9 5.8 8.6
68 5.8 5.0 7.4





#23

Nitrobenzene-d5

Concen: 80.220 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF118602.D

Acq: 20 Jan 2020 20:24

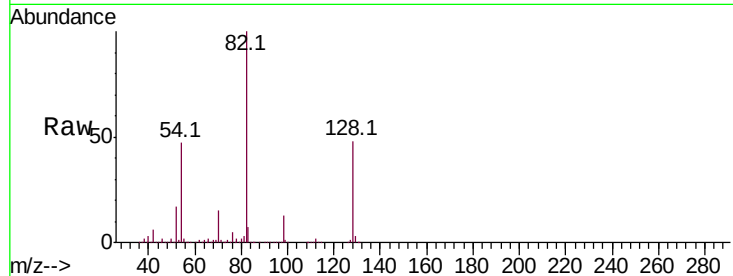
Instrument :

BNA_F

ClientSampled :

Tot Ion: 82 Resp: 2632351

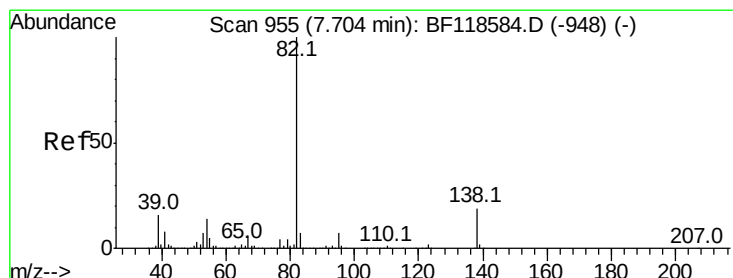
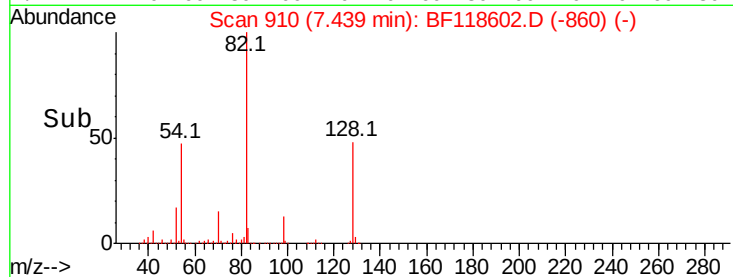
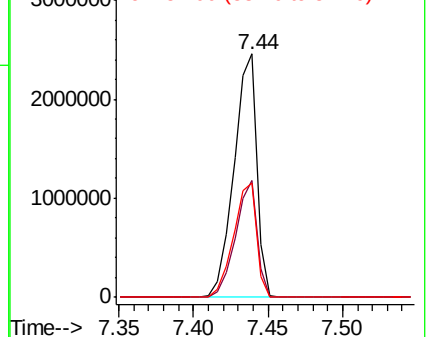
Ion	Ratio	Lower	Upper
82	100		
128	48.2	36.6	54.8
54	47.1	38.0	57.0



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: 43.851 ng

RT: 7.44 min Scan# 910

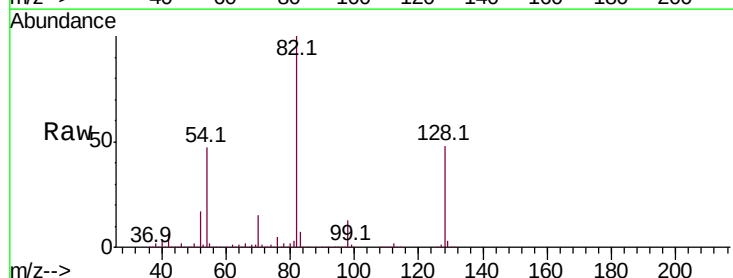
Delta R.T. -0.26 min

Lab File: BF118602.D

Acq: 20 Jan 2020 20:24

Tgt Ion: 82 Resp: 2624518

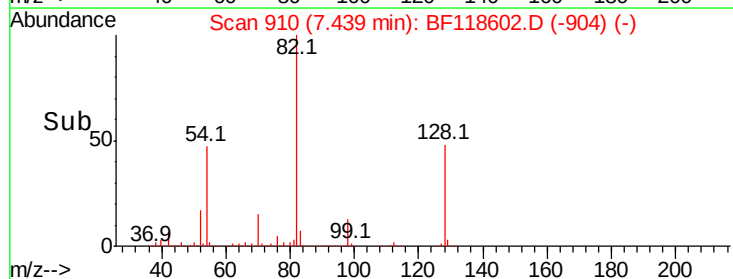
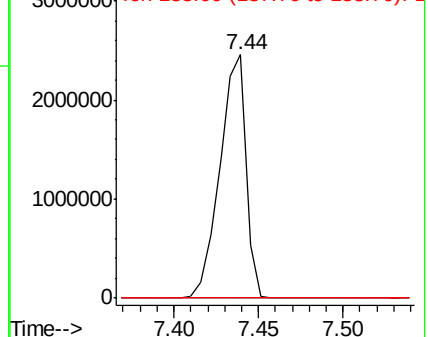
Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.9	8.9#
138	0.0	15.3	22.9#

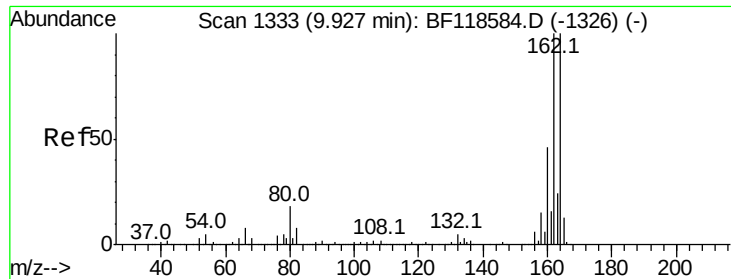


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

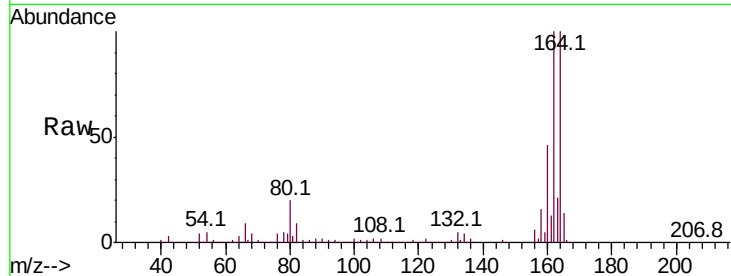




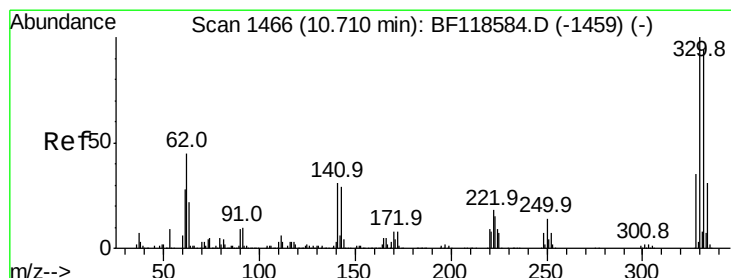
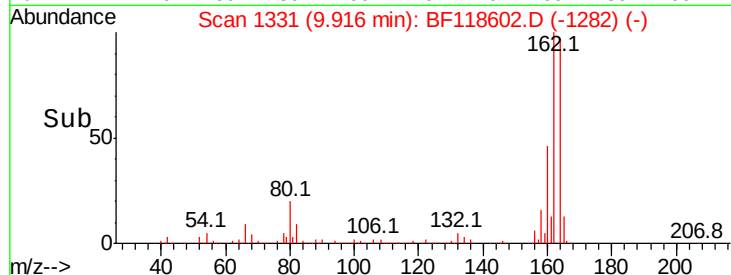
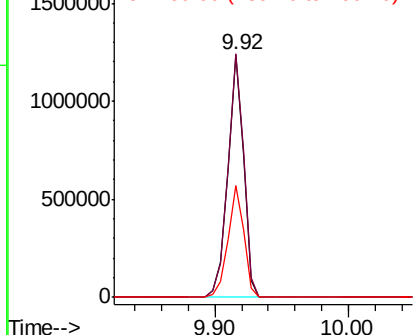
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF118602.D
 Acq: 20 Jan 2020 20:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 1037128
 Ion Ratio Lower Upper
 164 100
 162 100.3 80.4 120.6
 160 46.1 36.6 55.0

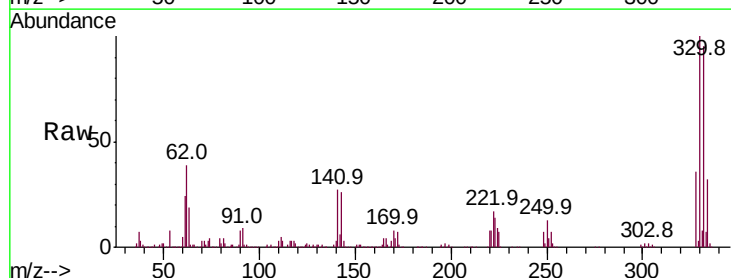


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

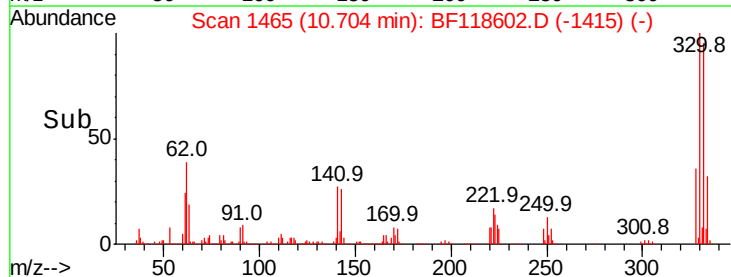
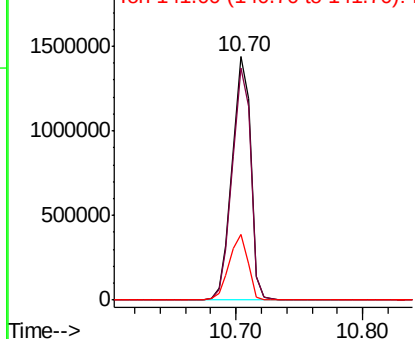


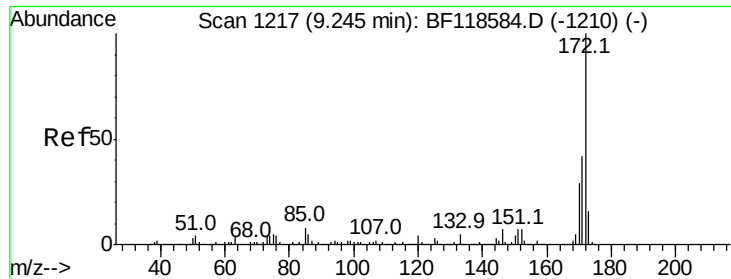
#42
 2,4,6-Tribromophenol
 Concen: 120.699 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF118602.D
 Acq: 20 Jan 2020 20:24

Tgt Ion:330 Resp: 1447876
 Ion Ratio Lower Upper
 330 100
 332 95.6 76.2 114.4
 141 27.9 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



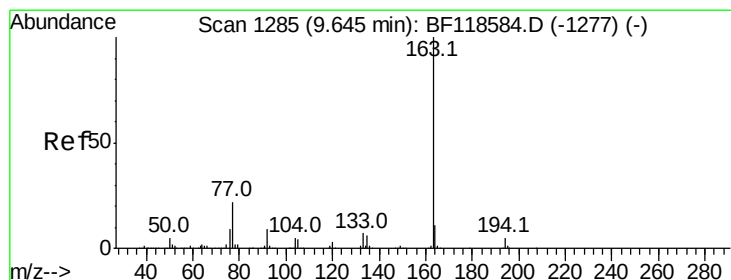
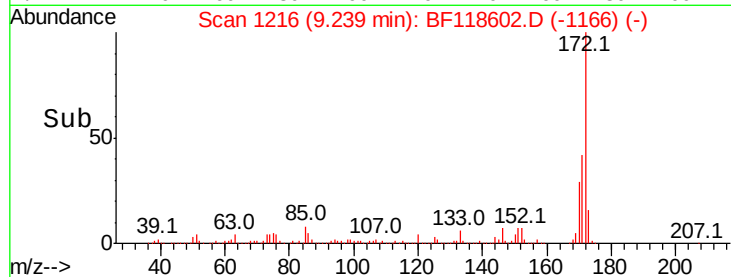
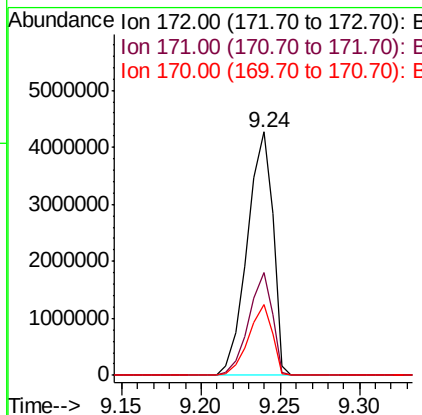
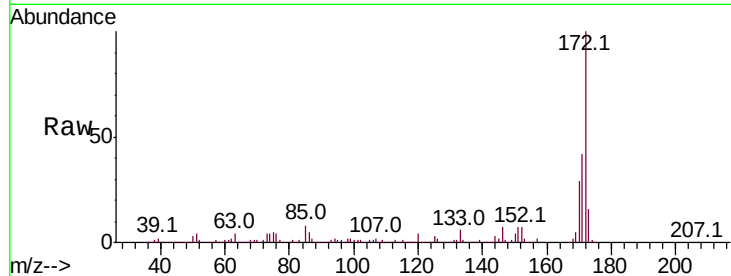


#45
 2-Fluorobiphenyl
 Concen: 76.156 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF118602.D
 Acq: 20 Jan 2020 20:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 4805447

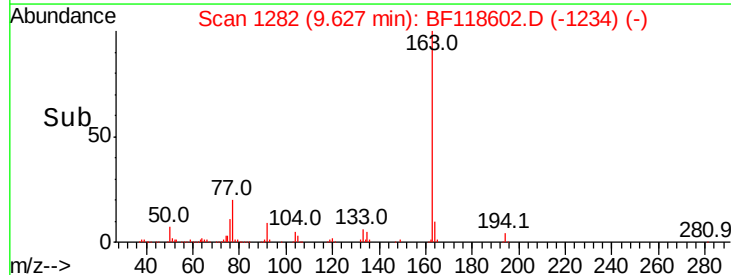
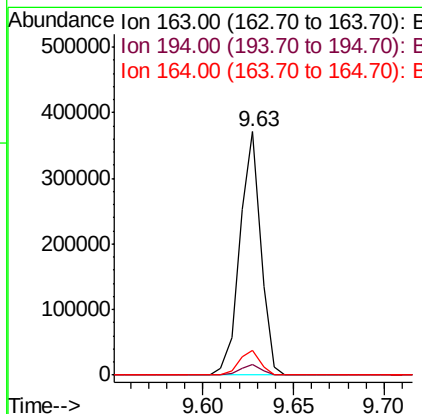
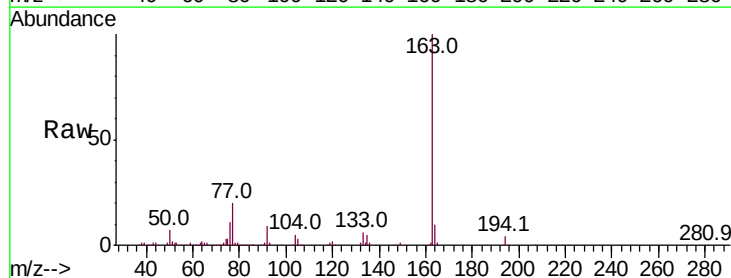
Ion	Ratio	Lower	Upper
172	100		
171	42.2	33.4	50.2
170	29.1	23.2	34.8

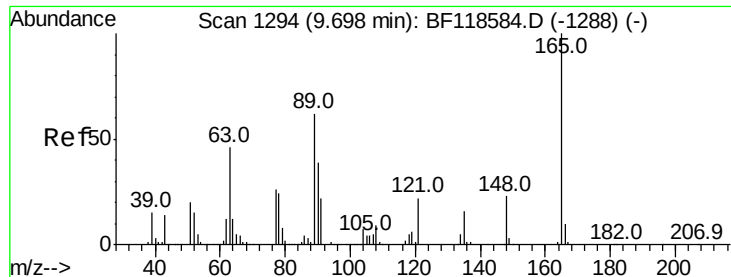


#50
 Dimethylphthalate
 Concen: 4.400 ng
 RT: 9.63 min Scan# 1282
 Delta R.T. -0.02 min
 Lab File: BF118602.D
 Acq: 20 Jan 2020 20:24

Tgt Ion:163 Resp: 297321

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.9	5.9
164	10.2	9.1	13.7





#51

2,6-Dinitrotoluene

Concen: 9.273 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.22 min

Lab File: BF118602.D

Acq: 20 Jan 2020 20:24

Instrument :

BNA_F

ClientSampleId :

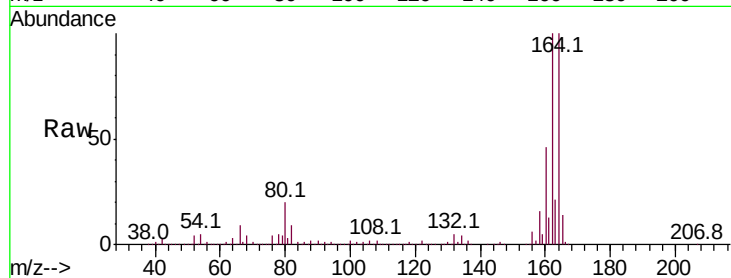
Tot Ion:165 Resp: 140307

Ion Ratio Lower Upper

165 100

63 1.1 48.9 73.3#

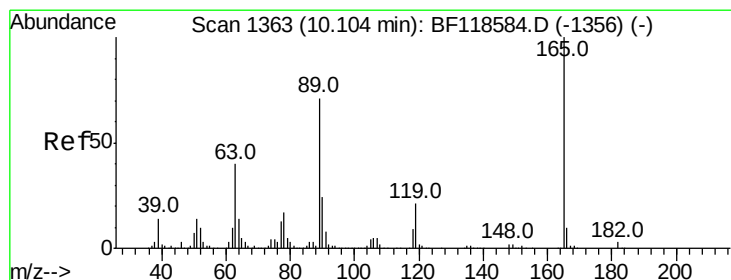
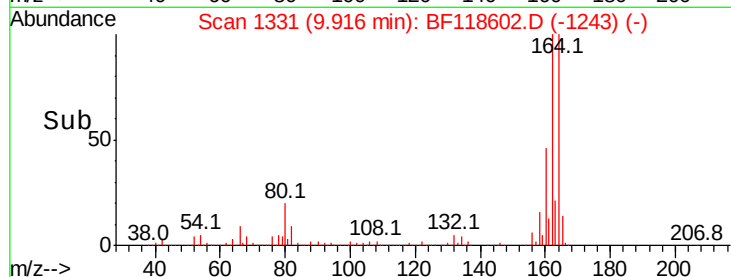
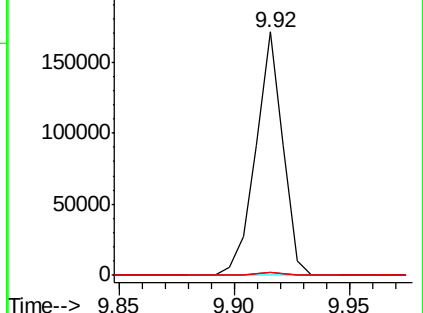
89 1.3 49.8 74.6#



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: 7.356 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.19 min

Lab File: BF118602.D

Acq: 20 Jan 2020 20:24

Tgt Ion:165 Resp: 140307

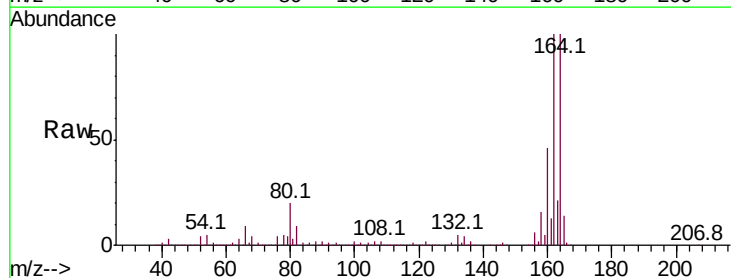
Ion Ratio Lower Upper

165 100

63 1.1 32.4 48.6#

89 1.3 56.4 84.6#

182 0.0 2.3 3.5#

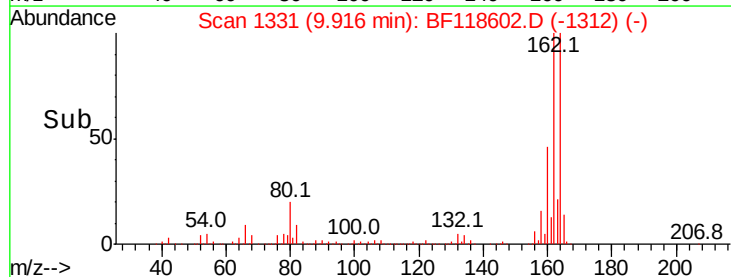
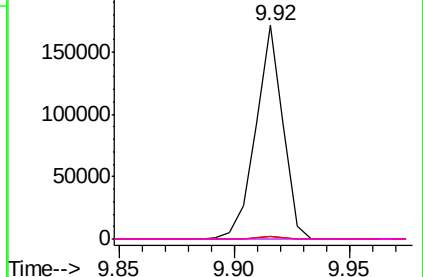


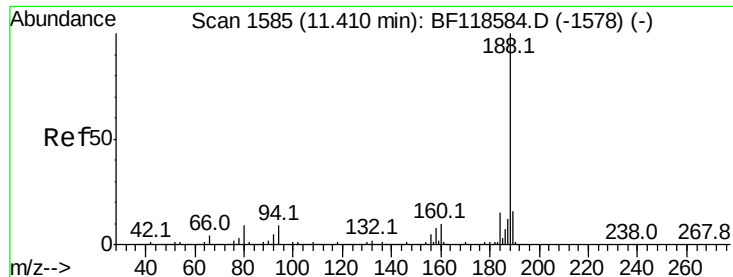
Abundance Ion 165.00 (164.70 to 165.70): E

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

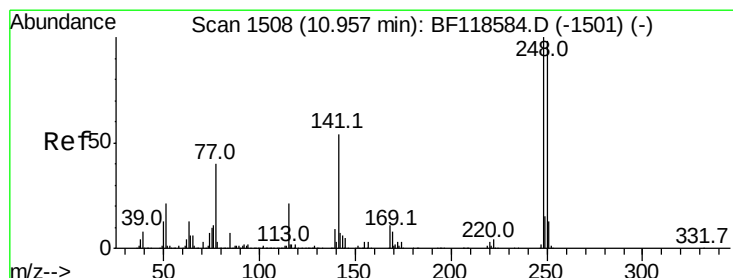
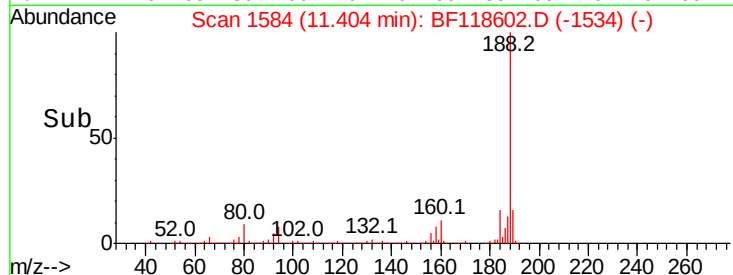
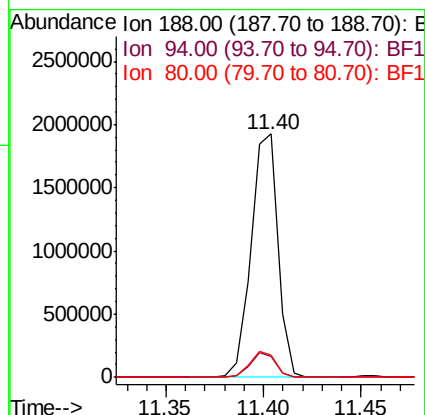
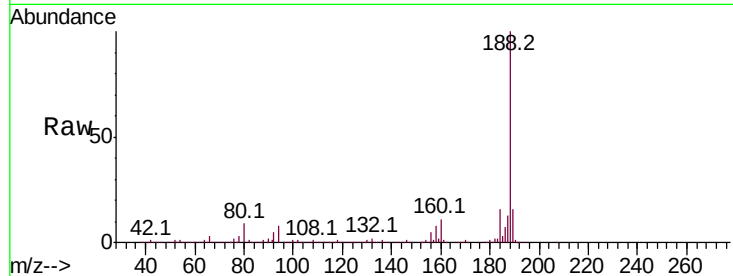




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF118602.D
 Acq: 20 Jan 2020 20:24

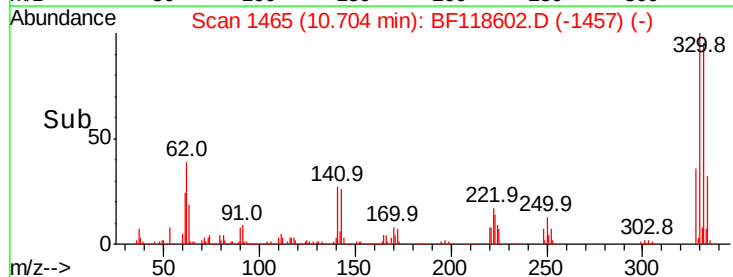
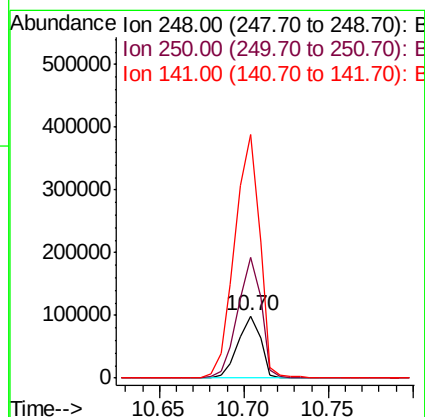
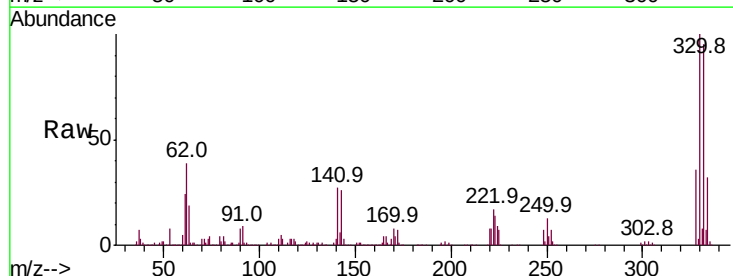
Instrument :
 BNA_F
 ClientSampleId :

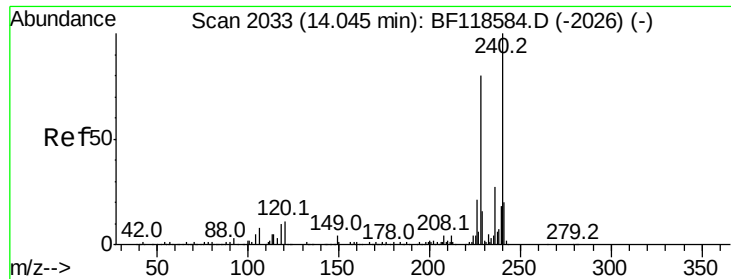
Tot Ion:188 Resp: 1837292
 Ion Ratio Lower Upper
 188 100
 94 8.4 7.1 10.7
 80 9.2 7.5 11.3



#67
 4-Bromophenyl-phenylether
 Concen: 4.145 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.25 min
 Lab File: BF118602.D
 Acq: 20 Jan 2020 20:24

Tgt Ion:248 Resp: 94081
 Ion Ratio Lower Upper
 248 100
 250 193.6 78.7 118.1#
 141 391.4 43.2 64.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF118602.D

Acq: 20 Jan 2020 20:24

Instrument :

BNA_F

ClientSampleId :

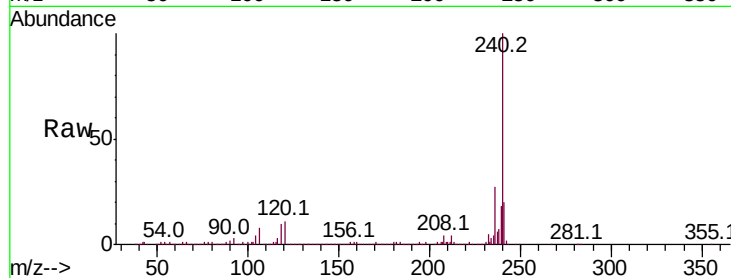
Tot Ion:240 Resp: 1096172

Ion Ratio Lower Upper

240 100

120 11.1 8.9 13.3

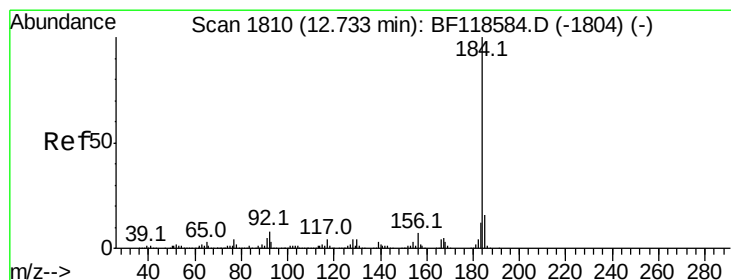
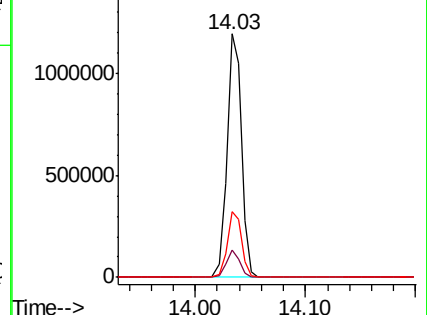
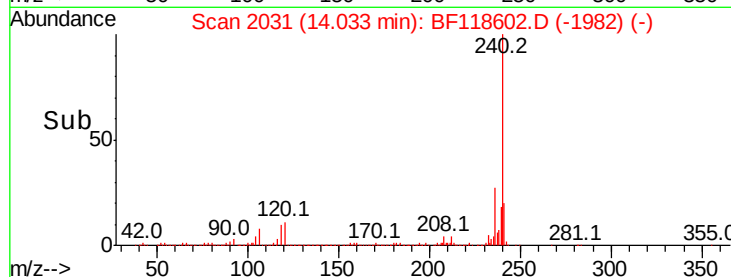
236 27.1 21.5 32.3



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: 2.586 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.26 min

Lab File: BF118602.D

Acq: 20 Jan 2020 20:24

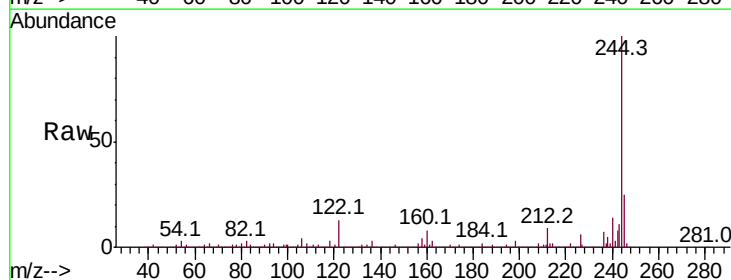
Tgt Ion:184 Resp: 75747

Ion Ratio Lower Upper

184 100

185 15.7 12.9 19.3

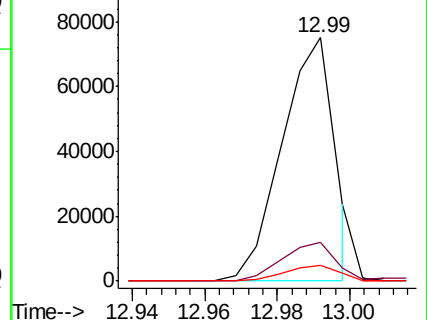
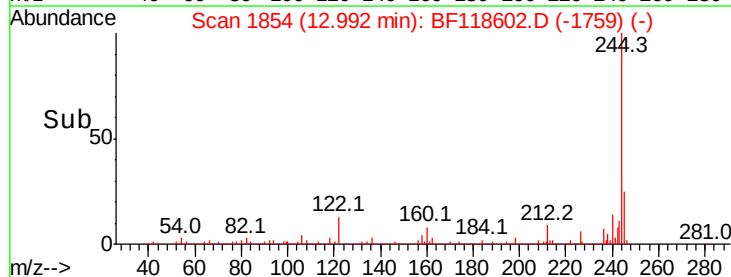
183 6.6 9.6 14.4#

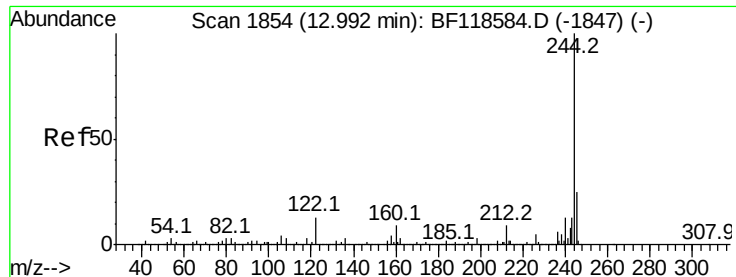


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 102.129 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BF118602.D

Acq: 20 Jan 2020 20:24

Instrument :

BNA_F

ClientSampleId :

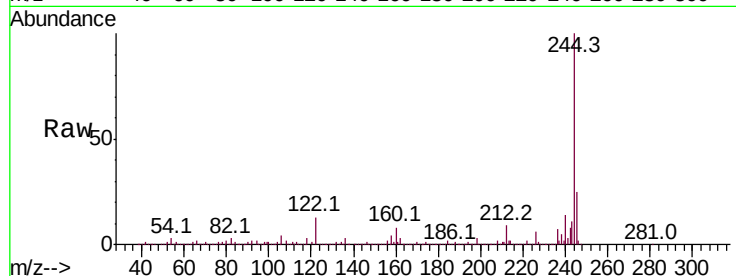
Tot Ion:244 Resp: 5132807

Ion Ratio Lower Upper

244 100

212 9.1 7.0 10.4

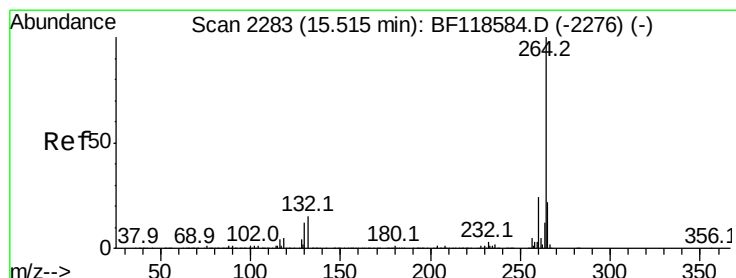
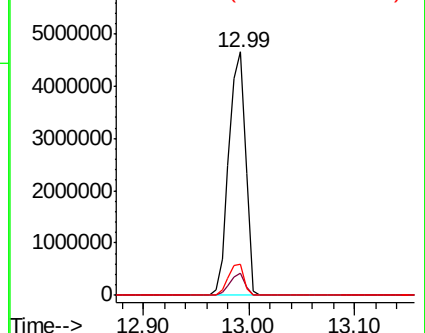
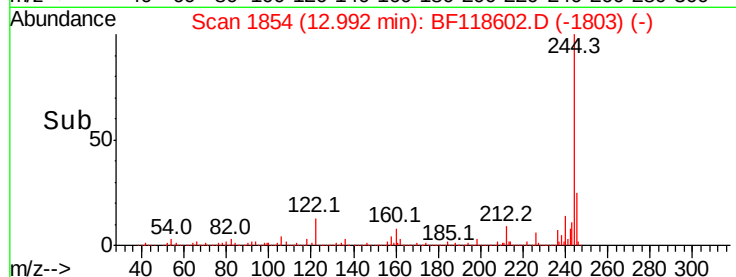
122 12.9 10.7 16.1



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: BF118602.D

Acq: 20 Jan 2020 20:24

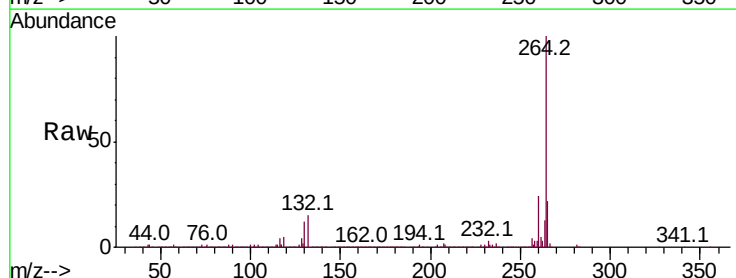
Tgt Ion:264 Resp: 1124189

Ion Ratio Lower Upper

264 100

260 23.7 19.6 29.4

265 22.3 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

