

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020720\
 Data File : BF118860.D
 Acq On : 7 Feb 2020 19:41
 Operator : CG/JU
 Sample : L1431-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 08 03:38:35 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 03 16:26:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	217054	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	799065	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	419370	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	709821	20.00	ng	0.00
76) Chrysene-d12	13.97	240	623465	20.00	ng	-0.01
87) Perylene-d12	15.42	264	723562	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	1351781	117.89	ng	0.01
7) Phenol-d6	6.45	99	1464617	102.90	ng	0.00
23) Nitrobenzene-d5	7.37	82	1137201	84.83	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	593945	118.37	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	2293979	97.79	ng	-0.01
79) Terphenyl-d14	12.92	244	2461884	81.11	ng	-0.01

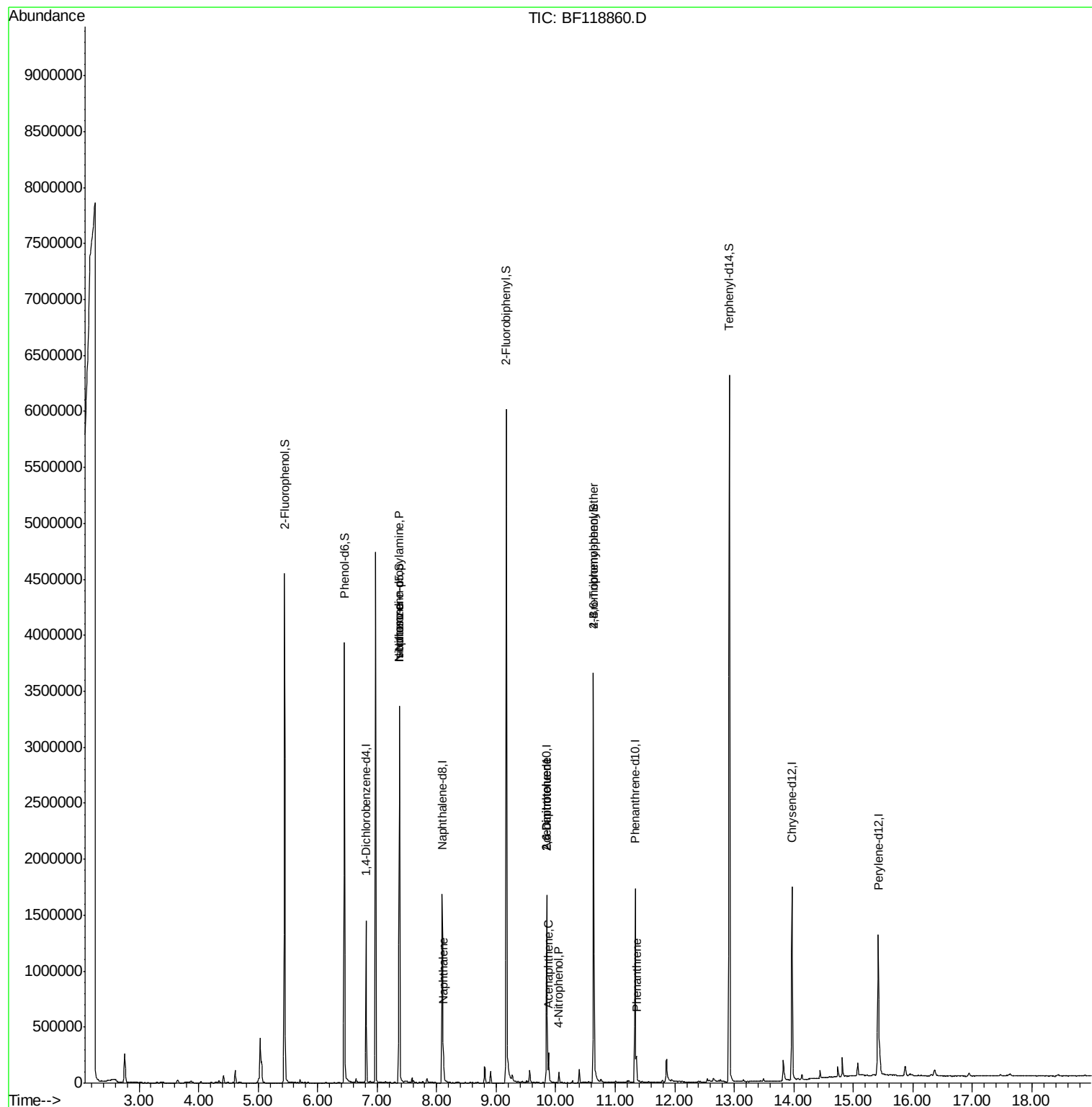
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.37	77	167	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.37	70	157244	18.055	ng	# 76
25) Isophorone	7.37	82	1137186	47.199	ng	# 63
31) Naphthalene	8.12	128	115846	3.170	ng	# 97
51) 2,6-Dinitrotoluene	9.85	165	53359	8.167	ng	# 30
52) Acenaphthene	9.88	154	53427	2.328	ng	# 98
56) 4-Nitrophenol	10.05	139	14157	2.700	ng	# 10
57) 2,4-Dinitrotoluene	9.85	165	53361	6.171	ng	# 34
67) 4-Bromophenyl-phenylether	10.64	248	37693	4.489	ng	# 1
71) Phenanthrene	11.36	178	84545	2.421	ng	# 95

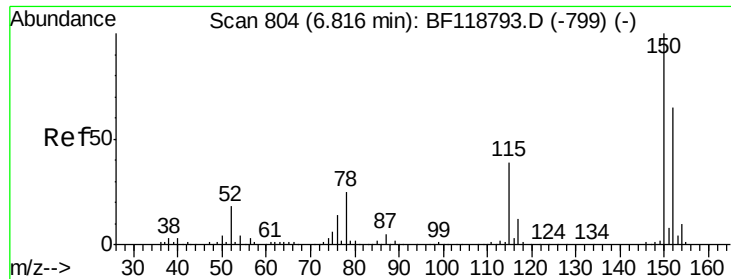
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Feb 03 16:26:03 2020
Response via : Initial Calibration



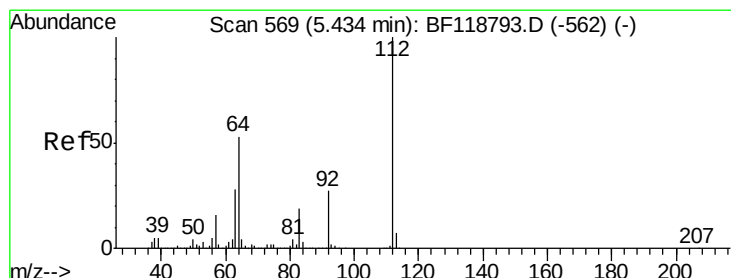
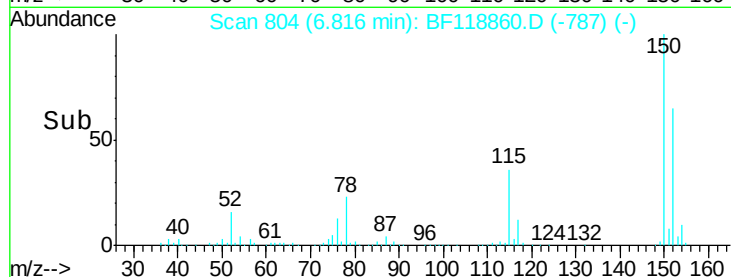
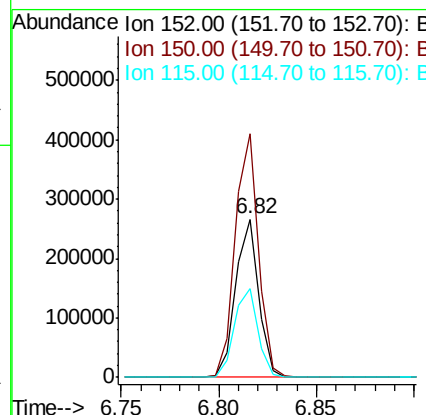
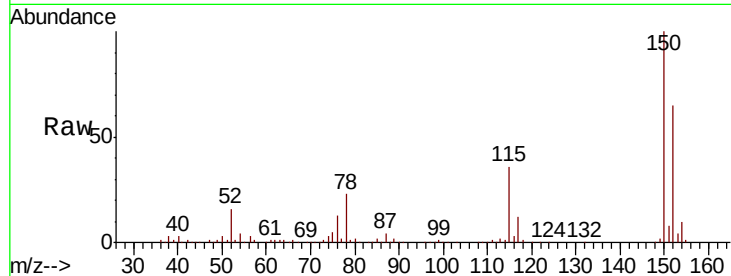


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. 0.00 min
Lab File: BF118860.D
Acq: 7 Feb 2020 19:41

Instrument :
BNA_F
ClientSampleId :

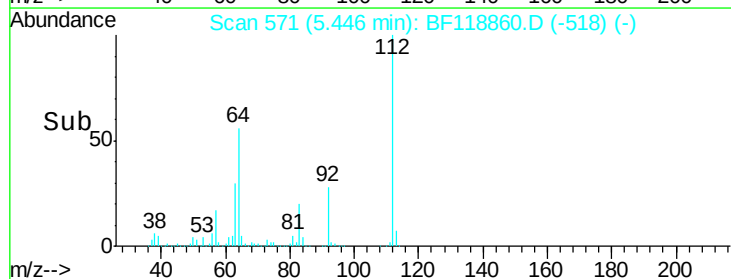
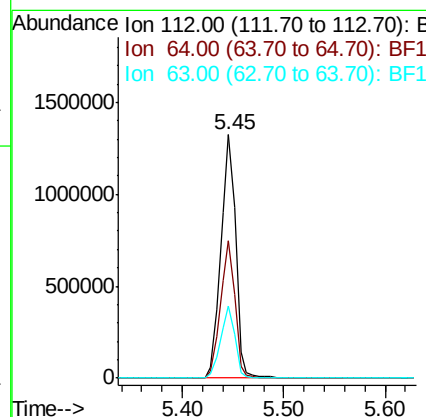
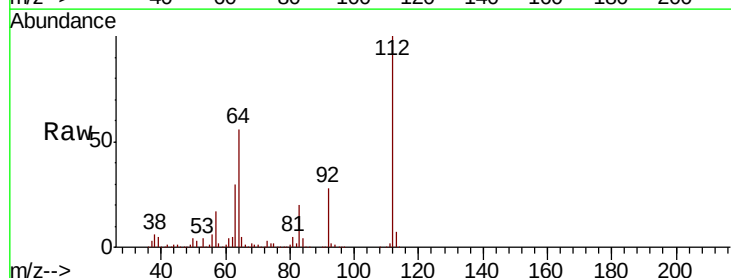
Tot Ion:152 Resp: 217054
Ion Ratio Lower Upper
152 100
150 154.2 123.6 185.4
115 55.9 48.2 72.2

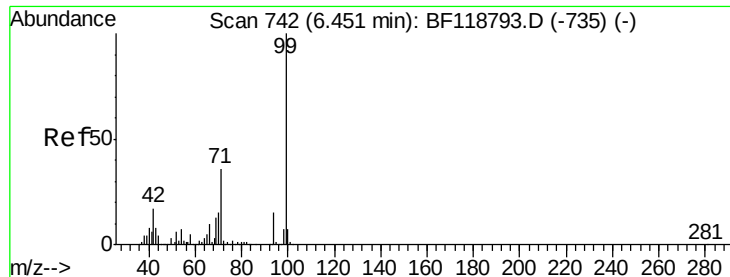


#5

2-Fluorophenol
Concen: 117.889 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF118860.D
Acq: 7 Feb 2020 19:41

Tgt Ion:112 Resp: 1351781
Ion Ratio Lower Upper
112 100
64 56.2 42.6 63.8
63 29.6 22.2 33.4





#7

Phenol-d6

Concen: 102.895 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF118860.D

Acq: 7 Feb 2020 19:41

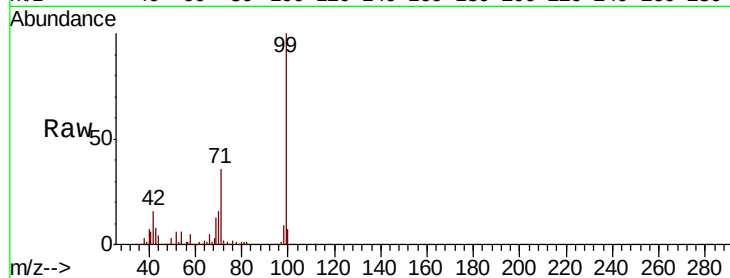
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1464617

Ion	Ratio	Lower	Upper
99	100		
42	16.3	13.4	20.0
71	36.2	29.0	43.6

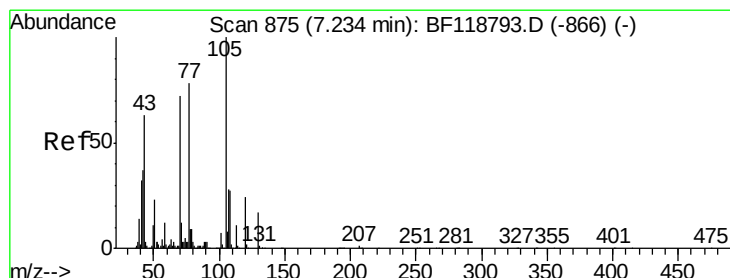
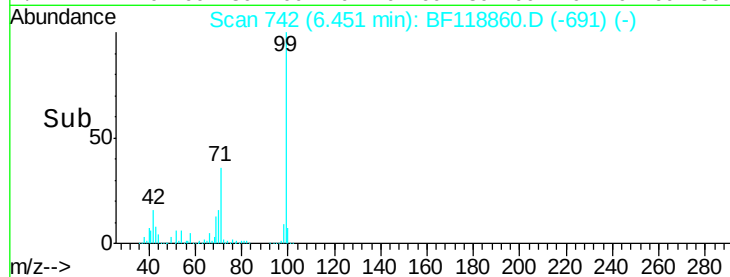


Abundance

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



#19

n-Nitroso-di-n-propylamine

Concen: 18.055 ng

RT: 7.37 min Scan# 899

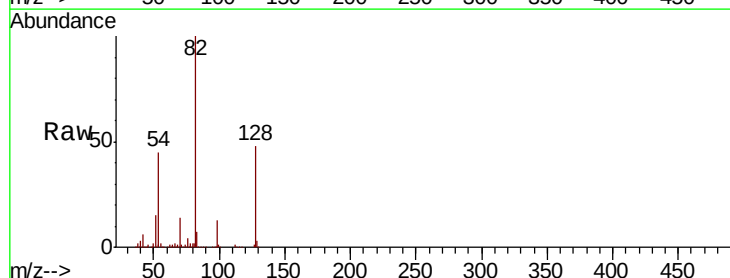
Delta R.T. 0.14 min

Lab File: BF118860.D

Acq: 7 Feb 2020 19:41

Tgt Ion: 70 Resp: 157244

Ion	Ratio	Lower	Upper
70	100		
42	41.7	41.5	62.3
101	0.0	8.3	12.5#
130	2.0	19.2	28.8#



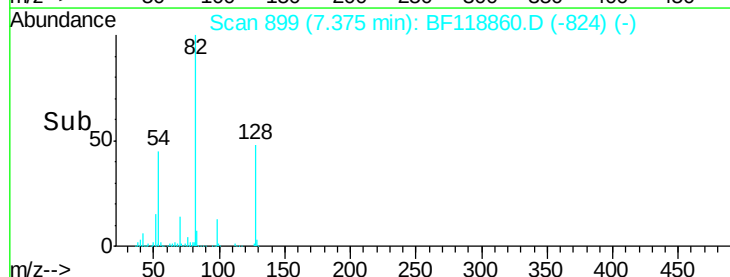
Abundance

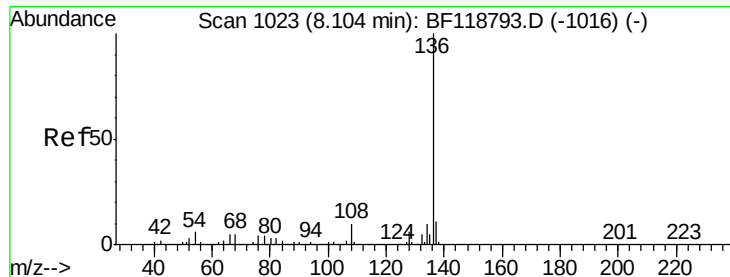
Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

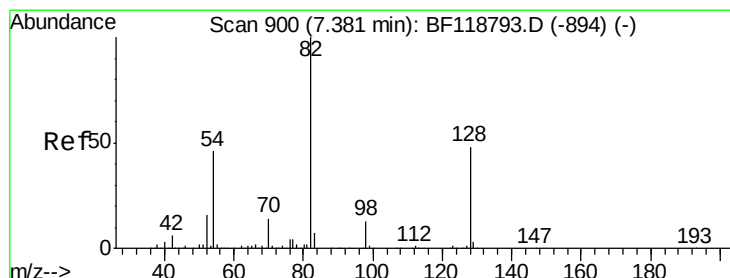
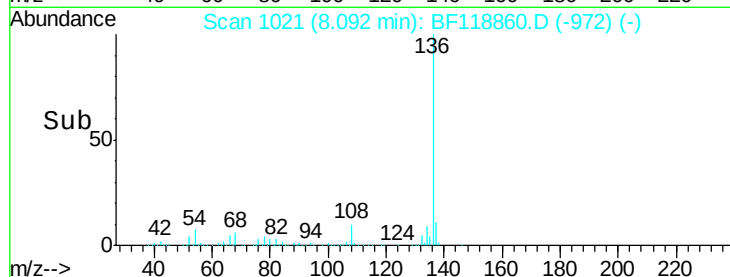
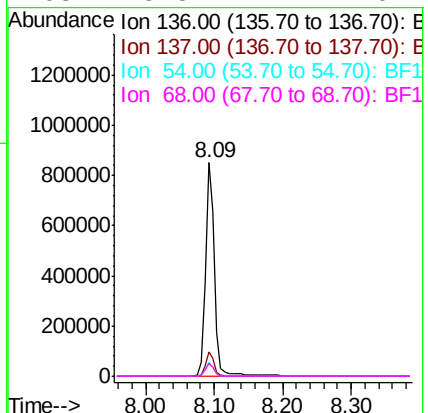
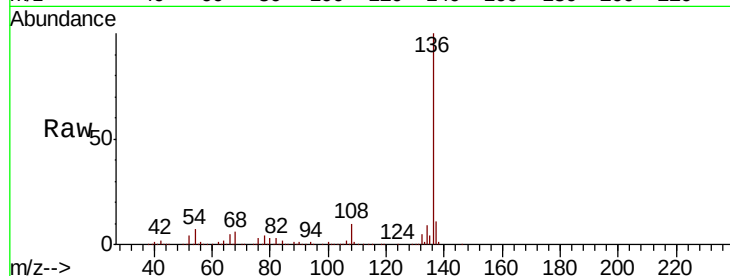




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF118860.D
Acq: 7 Feb 2020 19:41

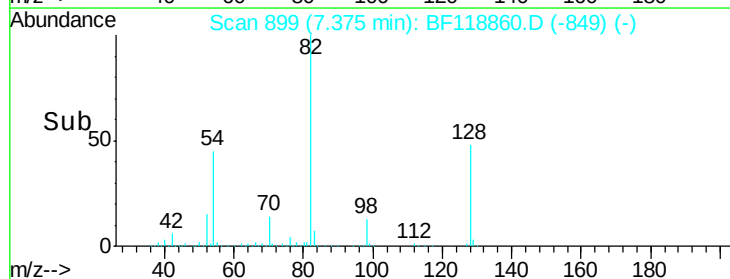
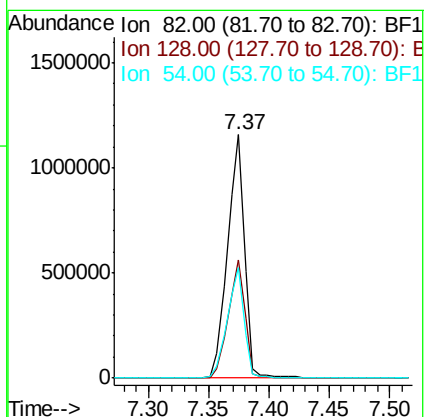
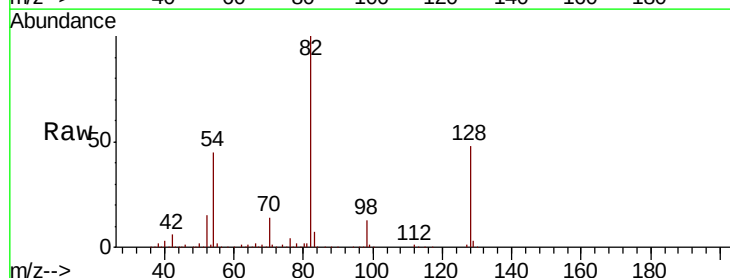
Instrument :
BNA_F
ClientSampleId :

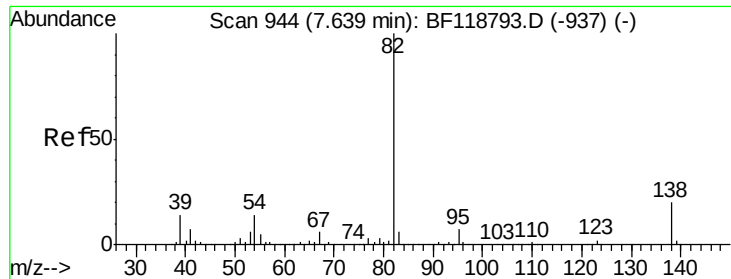
Tot Ion:136	Resp:	799065
Ion Ratio	Lower	Upper
136 100		
137 11.4	8.7	13.1
54 6.8	5.0	7.6
68 5.8	4.2	6.4



#23
Nitrobenzene-d5
Concen: 84.828 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF118860.D
Acq: 7 Feb 2020 19:41

Tgt Ion: 82	Resp: 1137201
Ion Ratio	Lower Upper
82 100	
128 48.3	38.5 57.7
54 45.3	36.7 55.1

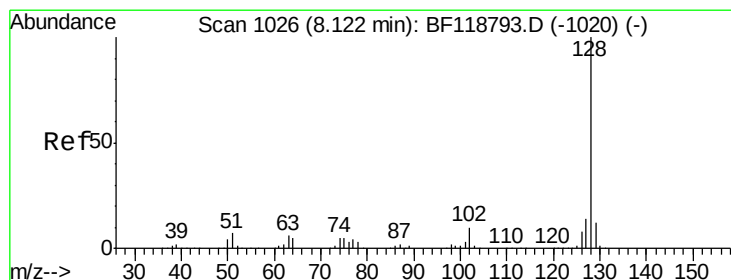
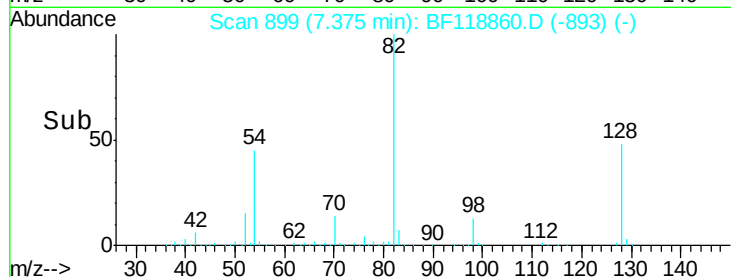
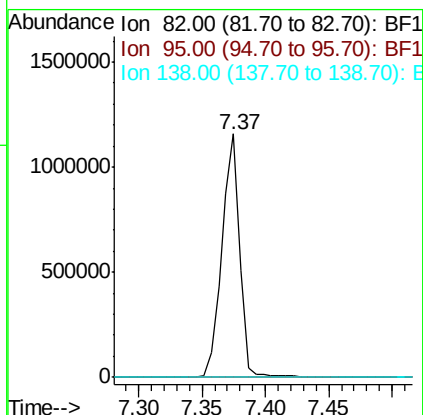
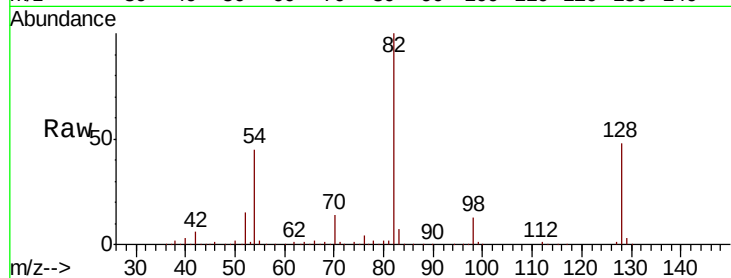




#25
Isophorone
Concen: 47.199 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.26 min
Lab File: BF118860.D
Acq: 7 Feb 2020 19:41

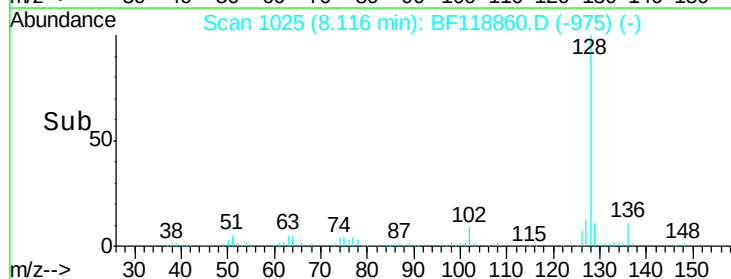
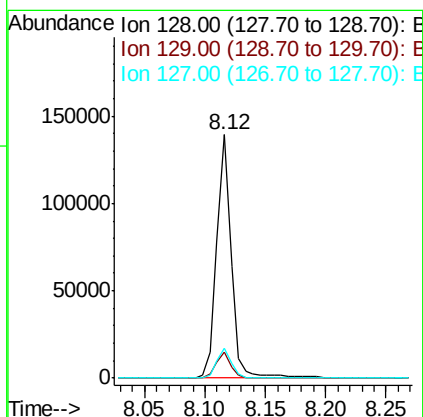
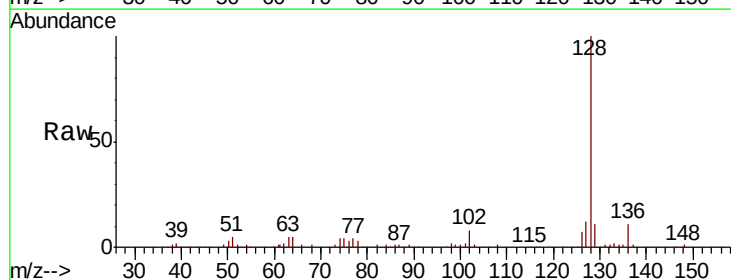
Instrument :
BNA_F
ClientSampleId :

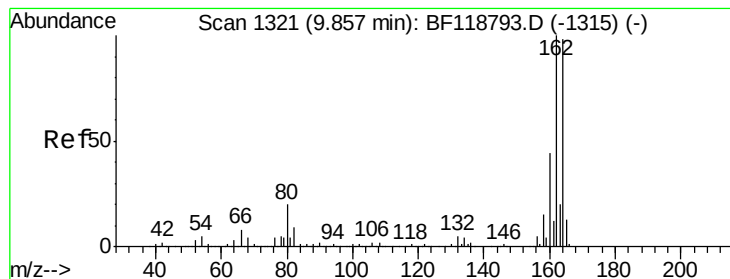
Tot Ion: 82 Resp: 1137186
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.7 23.5#



#31
Naphthalene
Concen: 3.170 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF118860.D
Acq: 7 Feb 2020 19:41

Tgt Ion: 128 Resp: 115846
Ion Ratio Lower Upper
128 100
129 10.7 9.4 14.2
127 12.5 11.3 16.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF118860.D

Acq: 7 Feb 2020 19:41

Instrument :

BNA_F

ClientSampled :

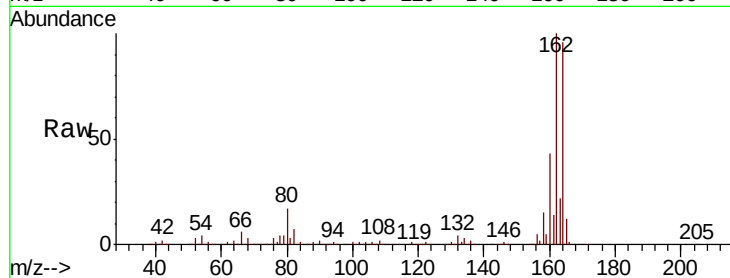
Tot Ion:164 Resp: 419370

Ion Ratio Lower Upper

164 100

162 104.2 81.4 122.2

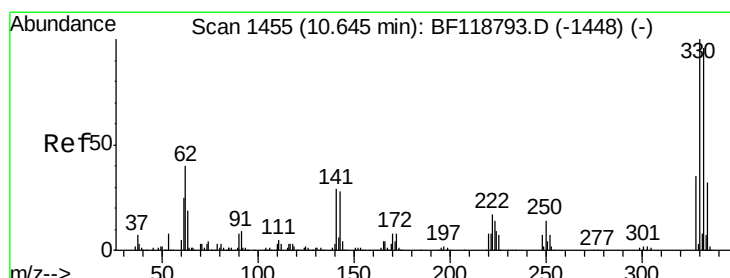
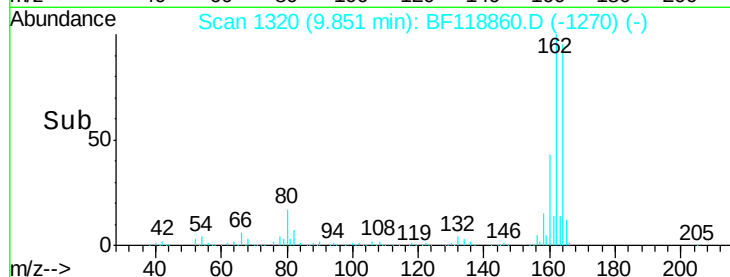
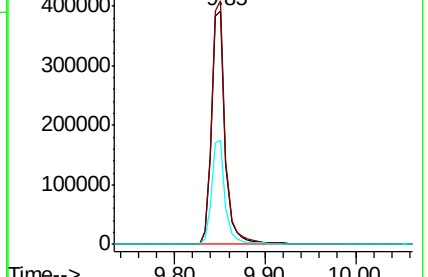
160 44.7 35.6 53.4



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: 118.366 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF118860.D

Acq: 7 Feb 2020 19:41

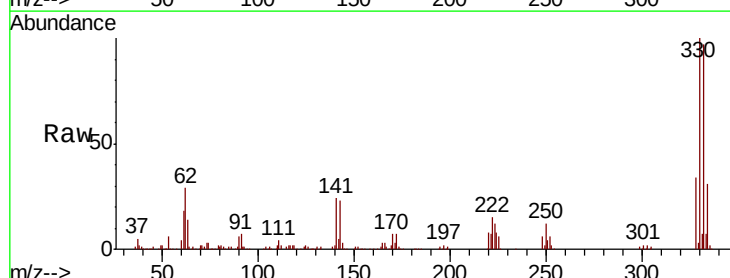
Tgt Ion:330 Resp: 593945

Ion Ratio Lower Upper

330 100

332 96.4 77.3 115.9

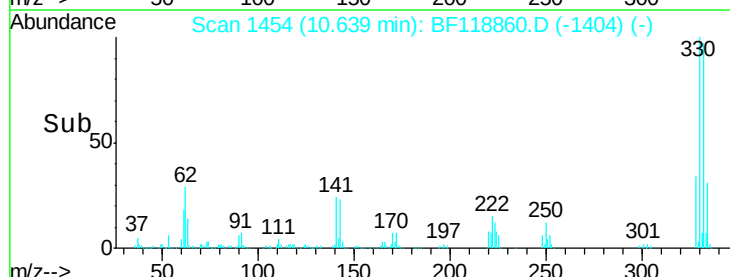
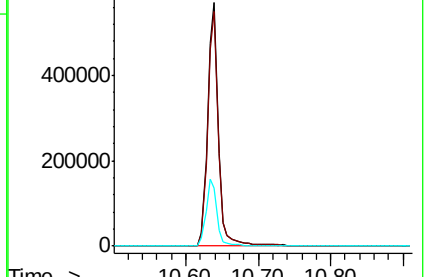
141 28.1 22.4 33.6

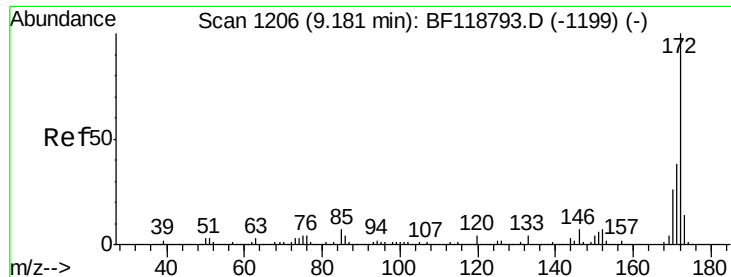


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

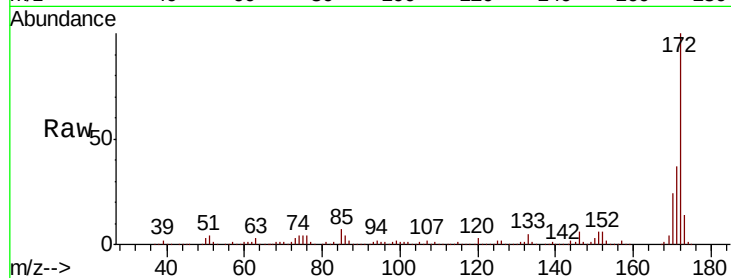




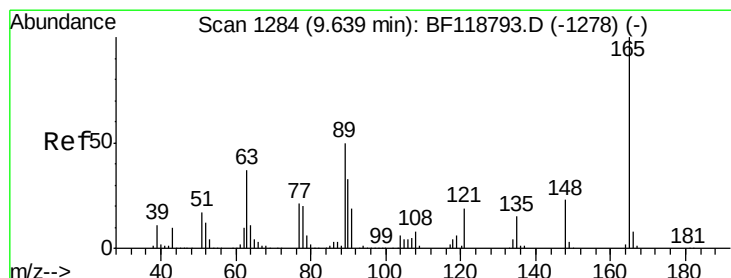
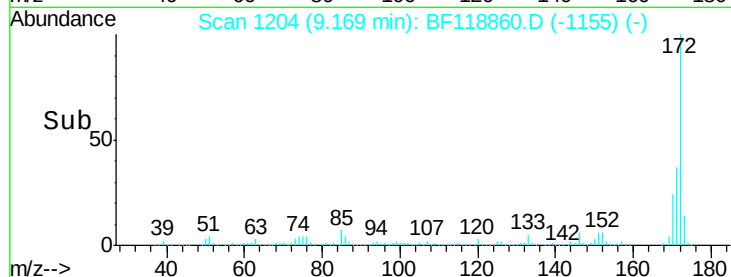
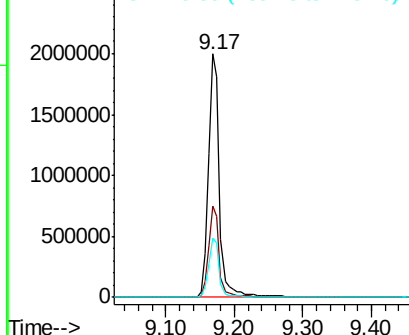
#45
2-Fluorobiphenyl
Concen: 97.788 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF118860.D
Acq: 7 Feb 2020 19:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 2293979
Ion Ratio Lower Upper
172 100
171 37.4 30.8 46.2
170 24.2 20.5 30.7

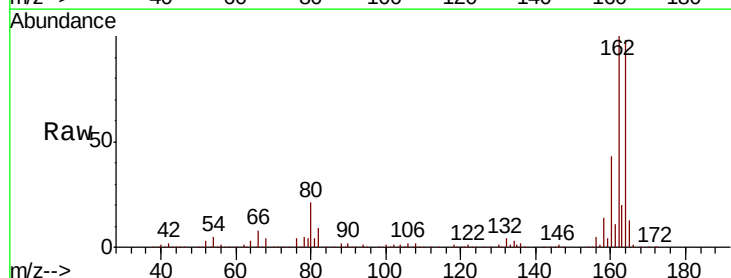


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

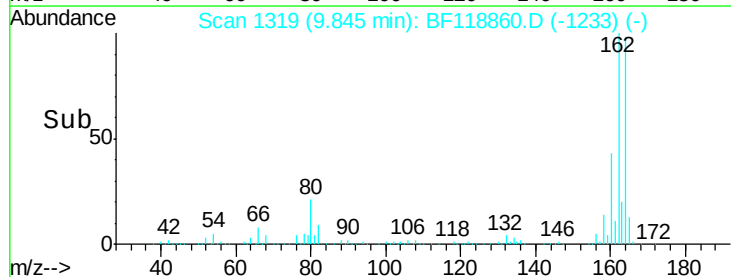
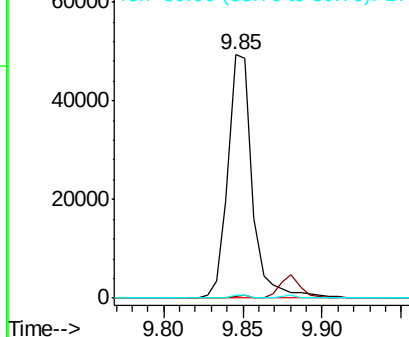


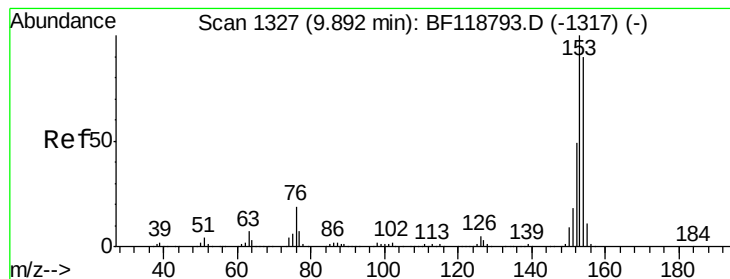
#51
2,6-Dinitrotoluene
Concen: 8.167 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.21 min
Lab File: BF118860.D
Acq: 7 Feb 2020 19:41

Tgt Ion:165 Resp: 53359
Ion Ratio Lower Upper
165 100
63 0.9 37.4 56.0#
89 1.3 39.7 59.5#



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





#52

Acenaphthene

Concen: 2.328 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF118860.D

Acq: 7 Feb 2020 19:41

Instrument :

BNA_F

ClientSampleId :

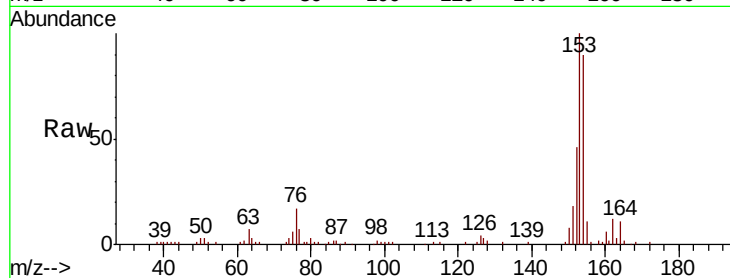
Tot Ion:154 Resp: 53427

Ion Ratio Lower Upper

154 100

153 111.6 89.4 134.0

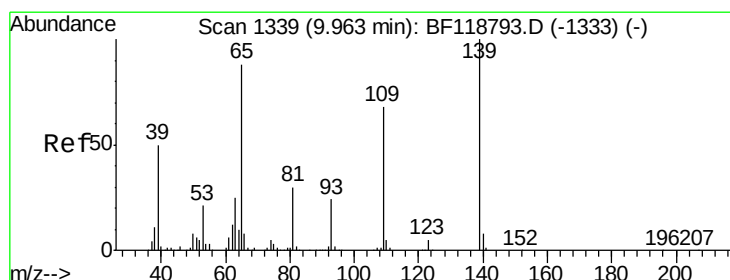
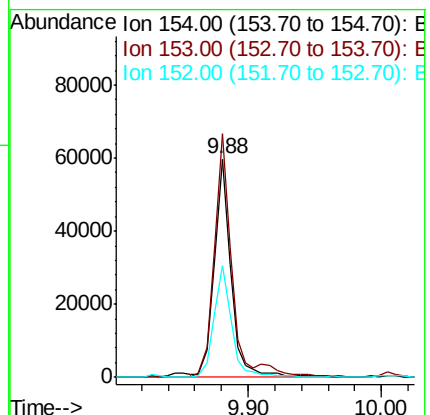
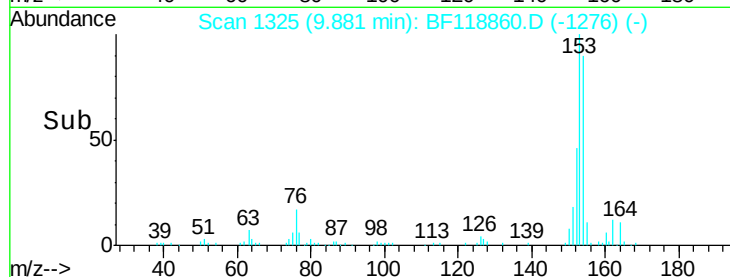
152 51.2 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#56

4-Nitrophenol

Concen: 2.700 ng

RT: 10.05 min Scan# 1354

Delta R.T. 0.09 min

Lab File: BF118860.D

Acq: 7 Feb 2020 19:41

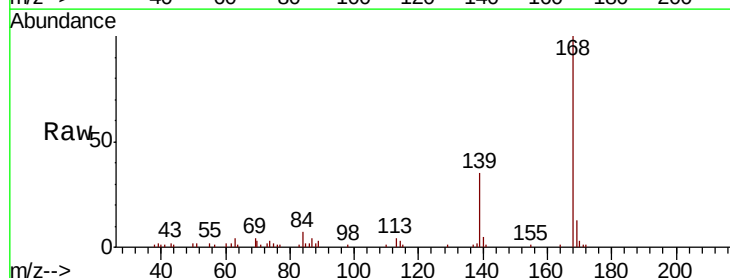
Tgt Ion:139 Resp: 14157

Ion Ratio Lower Upper

139 100

109 0.0 48.0 88.0#

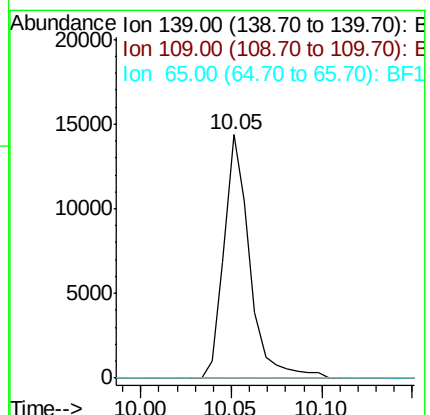
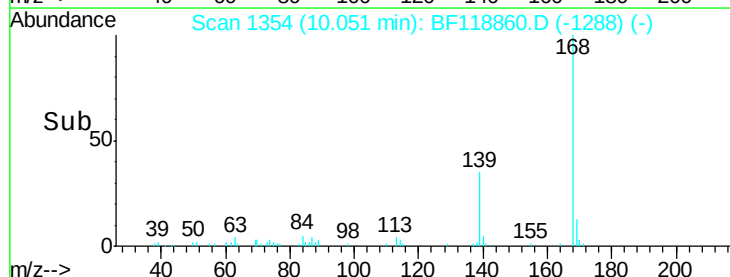
65 0.0 68.3 108.3#

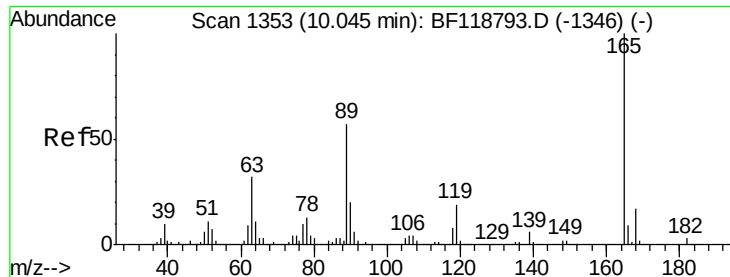


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

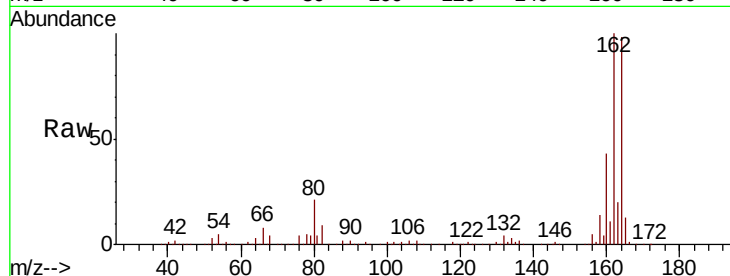




#57
 2,4-Dinitrotoluene
 Concen: 6.171 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.20 min
 Lab File: BF118860.D
 Acq: 7 Feb 2020 19:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	165	Resp:	53361
Ion	Ratio	Lower	Upper
165	100		
63	0.9	25.5	38.3#
89	1.3	45.4	68.0#
182	0.0	2.4	3.6#

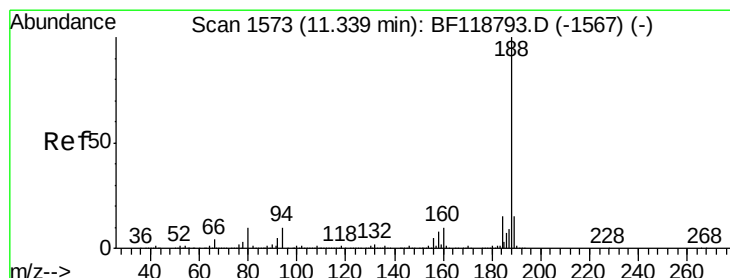
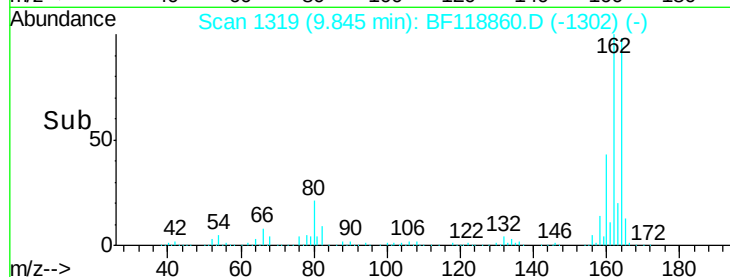
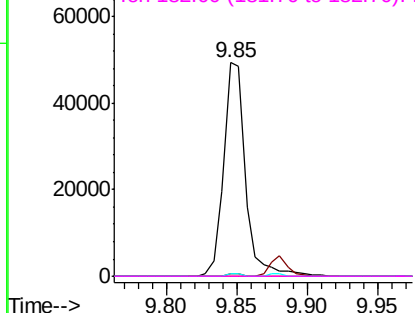


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

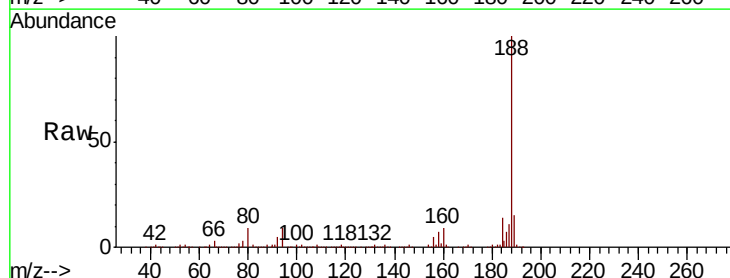
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF118860.D
 Acq: 7 Feb 2020 19:41

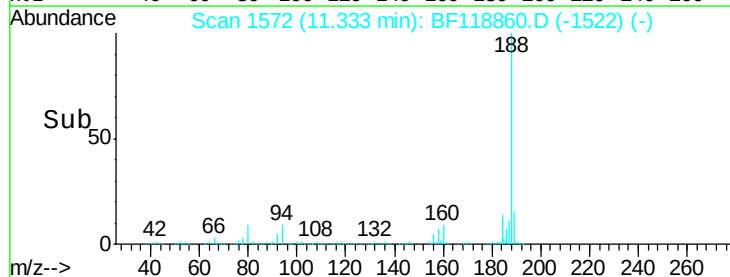
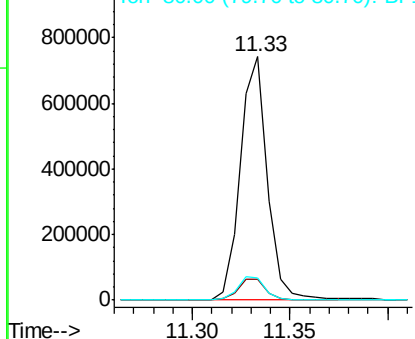
Tgt Ion:	188	Resp:	709821
Ion	Ratio	Lower	Upper
188	100		
94	8.7	7.9	11.9
80	9.0	8.4	12.6

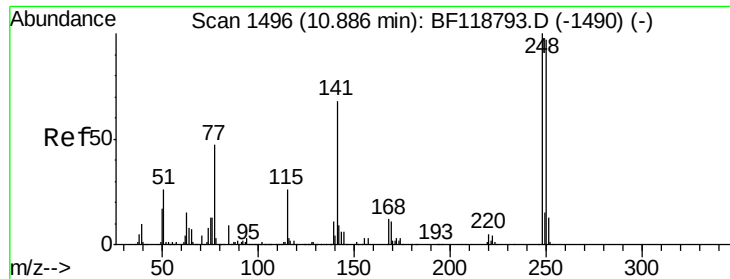


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

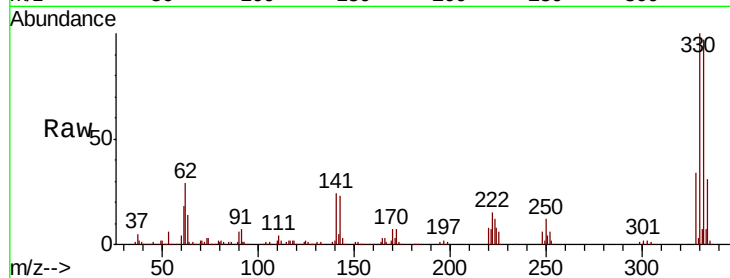




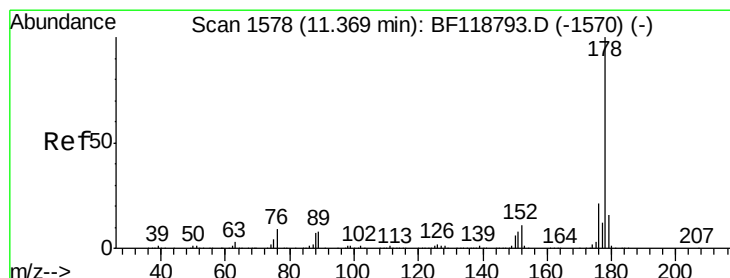
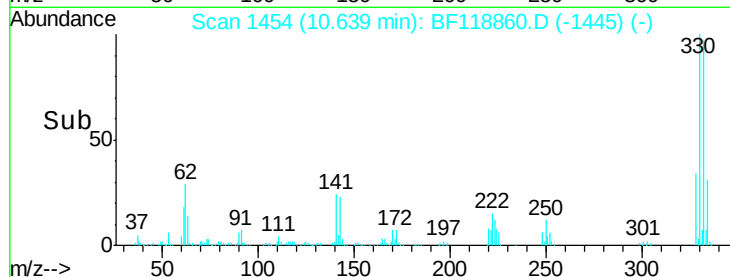
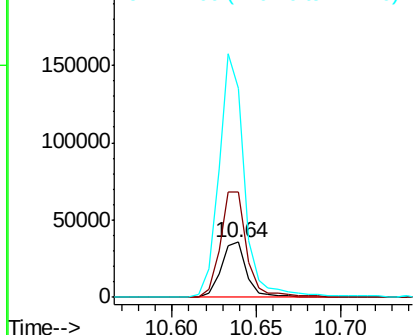
#67
4-Bromophenyl-phenylether
Concen: 4.489 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.25 min
Lab File: BF118860.D
Acq: 7 Feb 2020 19:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 37693
Ion Ratio Lower Upper
248 100
250 192.1 77.6 116.4#
141 378.1 54.4 81.6#

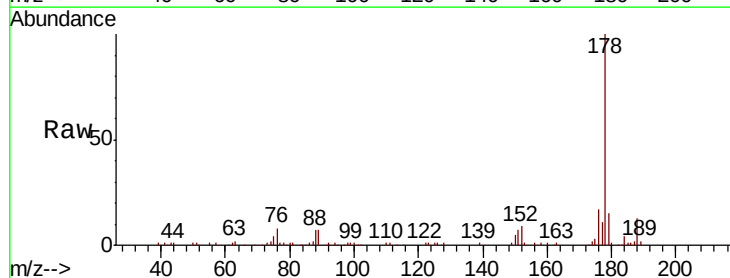


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

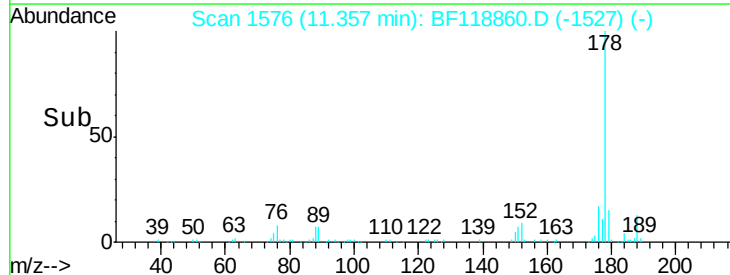
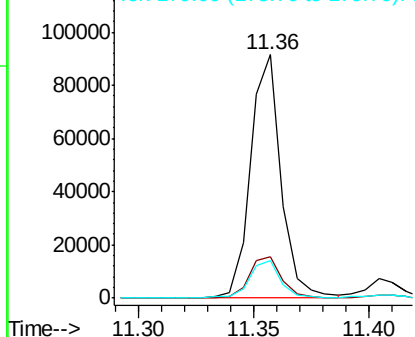


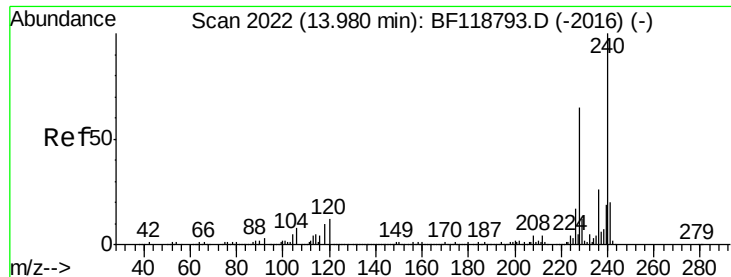
#71
Phenanthrene
Concen: 2.421 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF118860.D
Acq: 7 Feb 2020 19:41

Tgt Ion:178 Resp: 84545
Ion Ratio Lower Upper
178 100
176 17.1 16.6 24.8
179 15.4 13.2 19.8



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

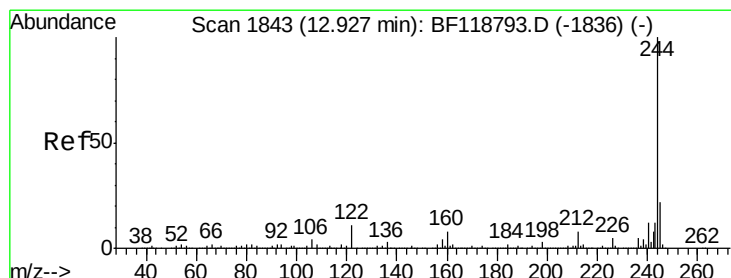
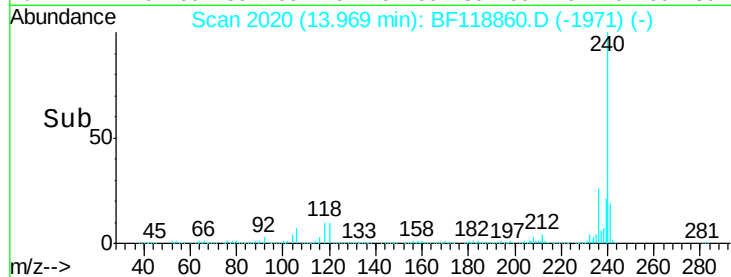
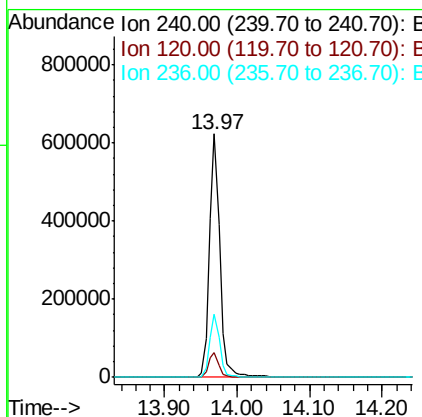
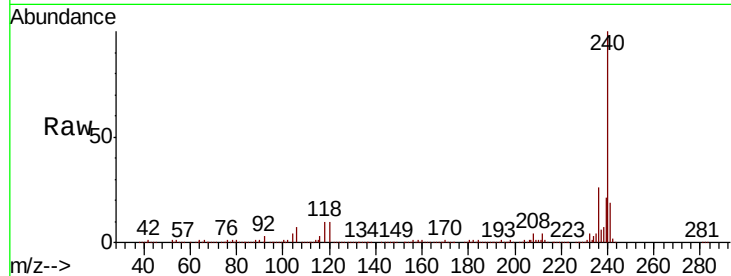




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF118860.D
Acq: 7 Feb 2020 19:41

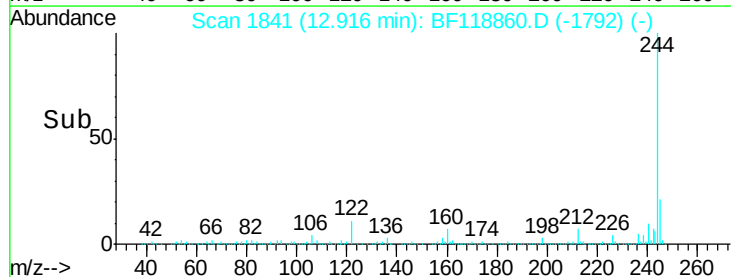
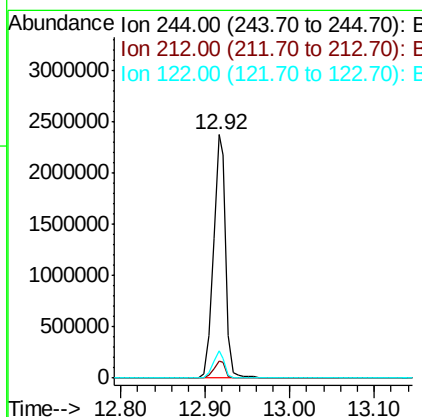
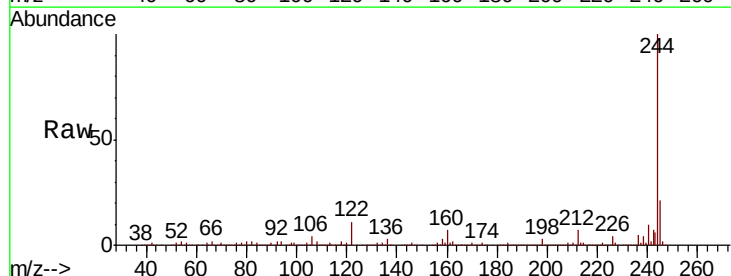
Instrument :
BNA_F
ClientSampleId :

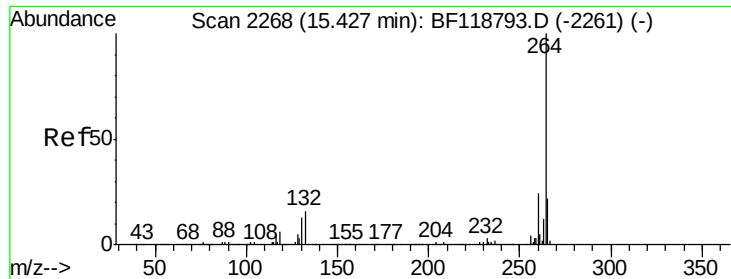
Tot Ion:240 Resp: 623465
Ion Ratio Lower Upper
240 100
120 10.1 9.4 14.0
236 25.7 21.0 31.6



#79
Terphenyl-d14
Concen: 81.108 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BF118860.D
Acq: 7 Feb 2020 19:41

Tgt Ion:244 Resp: 2461884
Ion Ratio Lower Upper
244 100
212 7.2 6.5 9.7
122 11.0 8.9 13.3

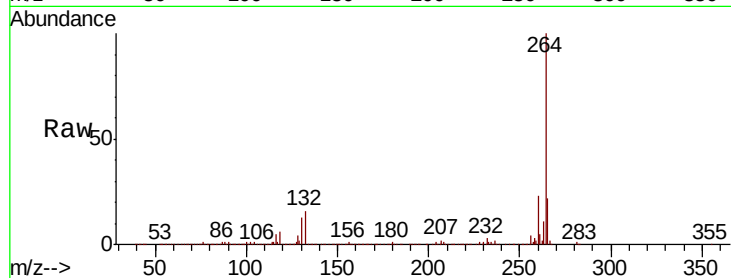




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.42 min Scan# 2266
 Delta R.T. -0.01 min
 Lab File: BF118860.D
 Acq: 7 Feb 2020 19:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.1	28.7
265	22.2	17.2	25.8



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

