

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
 Data File : BF118609.D
 Acq On : 20 Jan 2020 23:39
 Operator : CG/JU
 Sample : L1176-14
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 21 01:44:27 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	508570	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	1877231	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	1042215	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	1738174	20.00	ng	-0.01
76) Chrysene-d12	14.03	240	956281	20.00	ng	-0.01
87) Perylene-d12	15.50	264	1139177	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	2796427	102.12	ng	0.00
7) Phenol-d6	6.50	99	3722214	104.58	ng	0.00
23) Nitrobenzene-d5	7.44	82	2323259	69.22	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	1158410	96.10	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	4170487	65.77	ng	0.00
79) Terphenyl-d14	12.99	244	3997555	91.18	ng	0.00

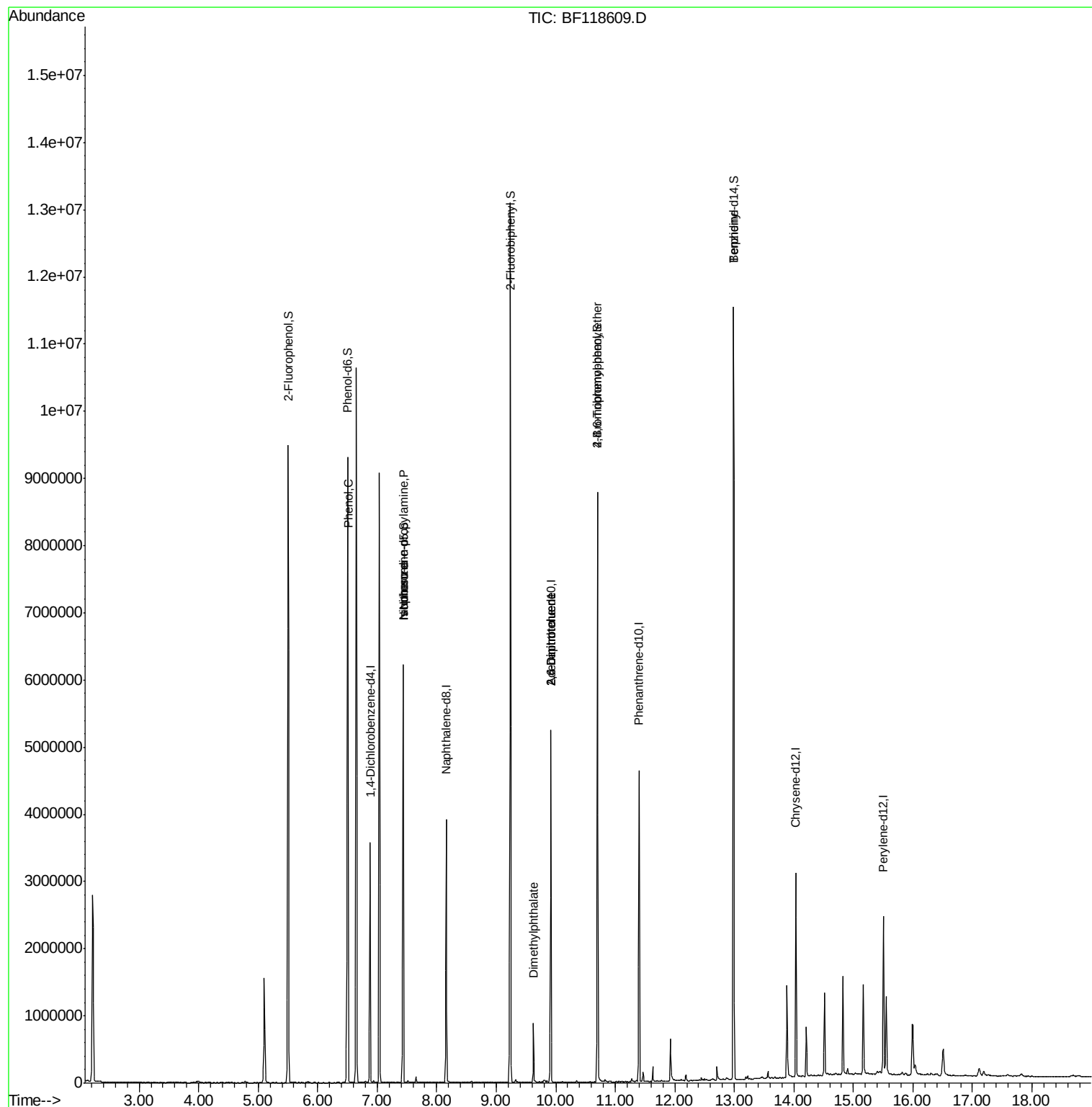
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.52	94	164568	4.057	ng	98
19) n-Nitroso-di-n-propylamine	7.44	70	331950	13.813	ng	# 76
25) Isophorone	7.44	82	2316126	37.836	ng	# 64
50) Dimethylphthalate	9.63	163	321206	4.730	ng	97
51) 2,6-Dinitrotoluene	9.92	165	137286	9.029	ng	# 21
57) 2,4-Dinitrotoluene	9.92	165	137286	7.162	ng	# 25
67) 4-Bromophenyl-phenylether	10.70	248	73264	3.412	ng	# 1
77) Benzidine	12.99	184	56933	2.228	ng	# 92

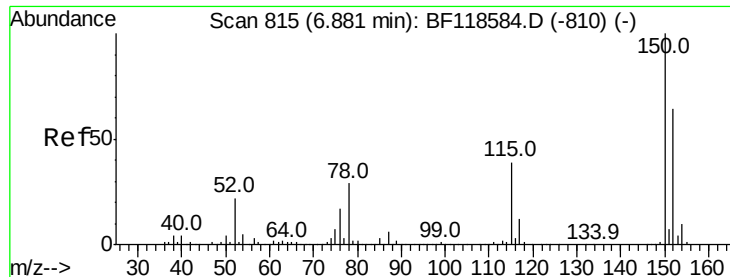
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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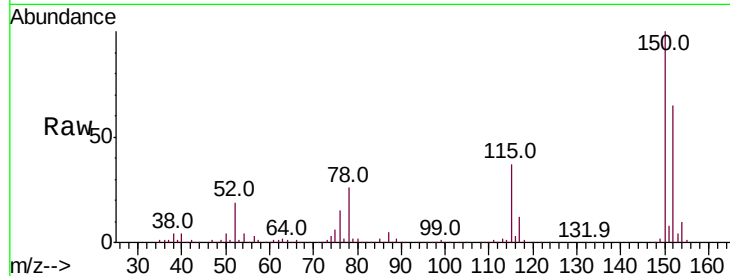


#1

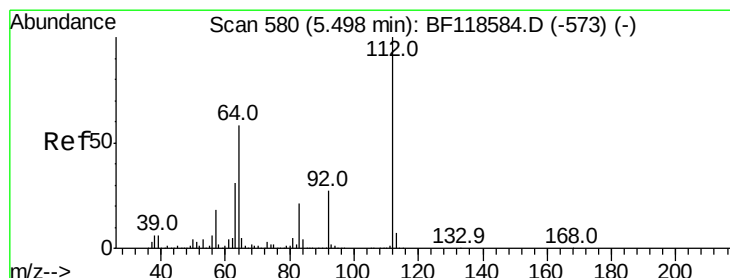
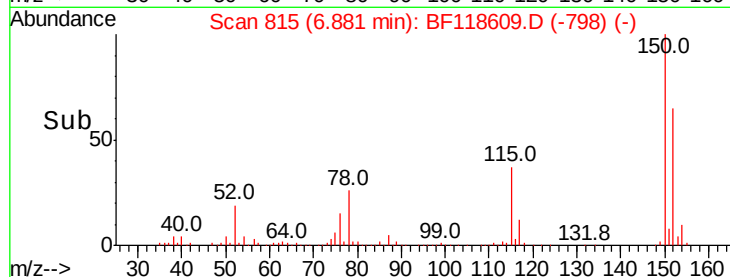
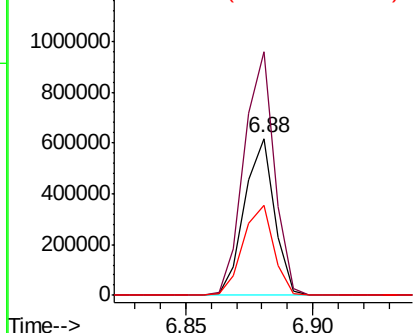
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF118609.D
Acq: 20 Jan 2020 23:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 508570
Ion Ratio Lower Upper
152 100
150 155.0 125.6 188.4
115 57.6 48.4 72.6



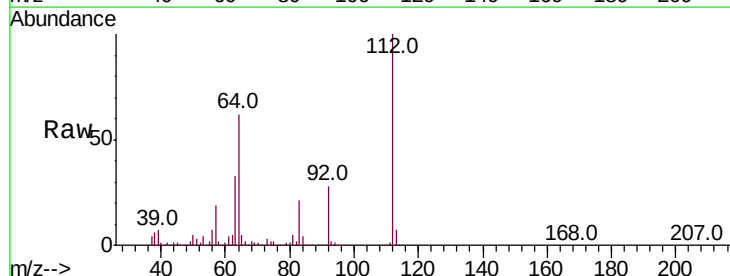
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



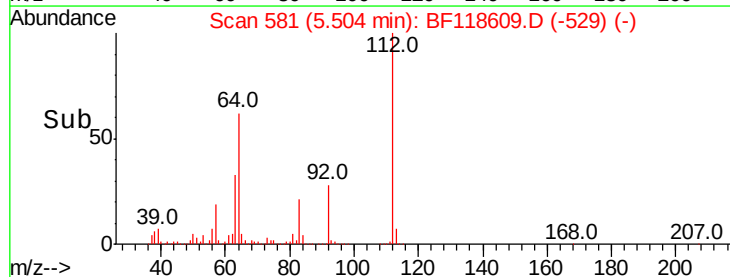
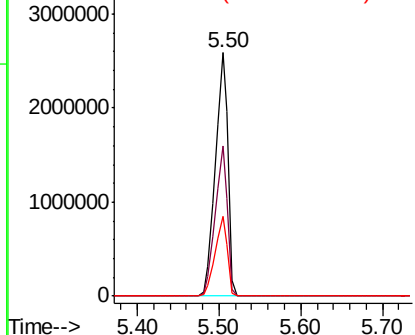
#5

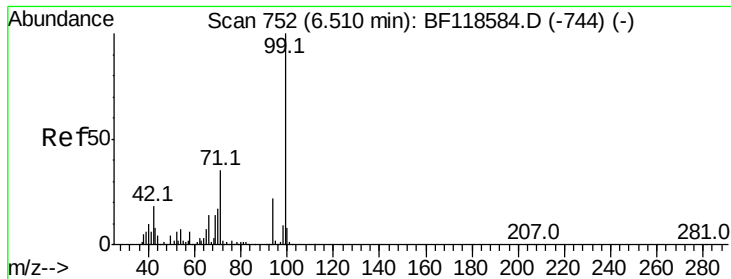
2-Fluorophenol
Concen: 102.123 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF118609.D
Acq: 20 Jan 2020 23:39

Tgt Ion:112 Resp: 2796427
Ion Ratio Lower Upper
112 100
64 61.5 46.6 70.0
63 32.9 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: 104.584 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF118609.D

Acq: 20 Jan 2020 23:39

Instrument :

BNA_F

ClientSampleId :

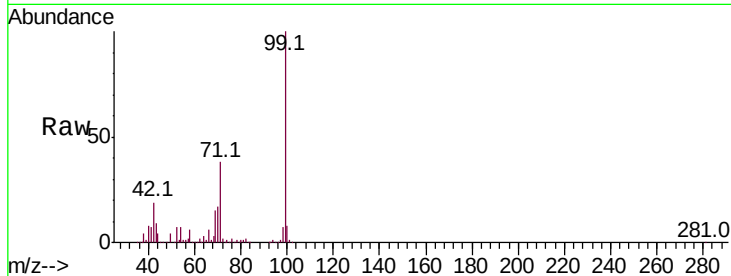
Tot Ion: 99 Resp: 3722214

Ion Ratio Lower Upper

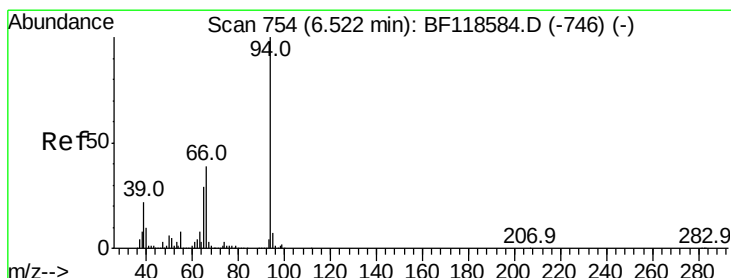
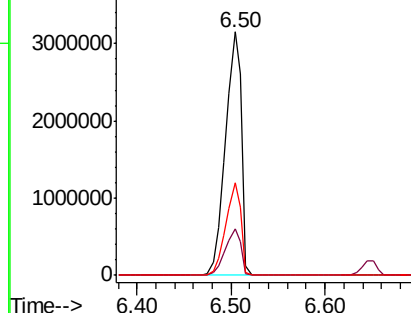
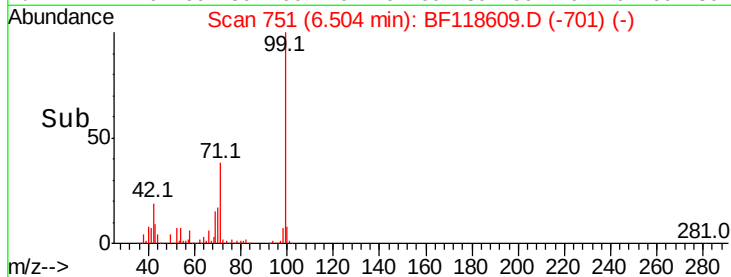
99 100

42 19.2 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: 4.057 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF118609.D

Acq: 20 Jan 2020 23:39

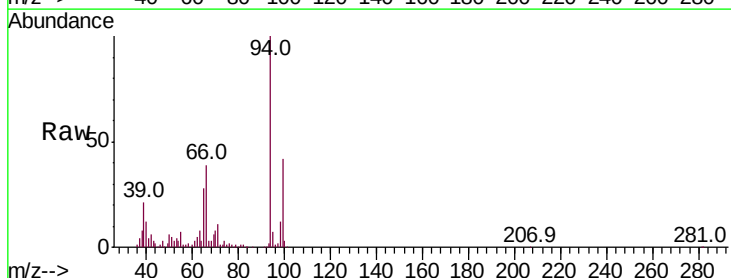
Tgt Ion: 94 Resp: 164568

Ion Ratio Lower Upper

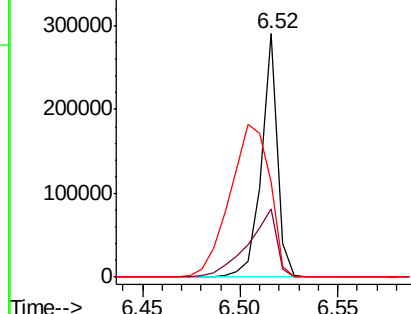
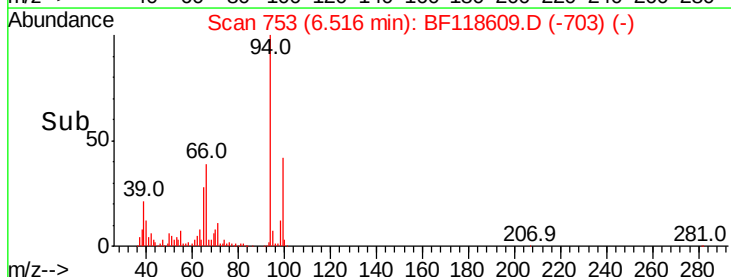
94 100

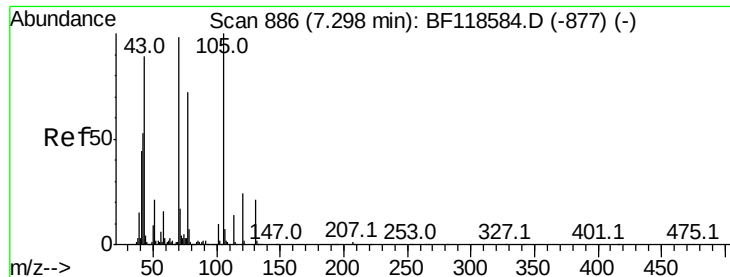
65 28.1 9.5 49.5

66 39.1 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

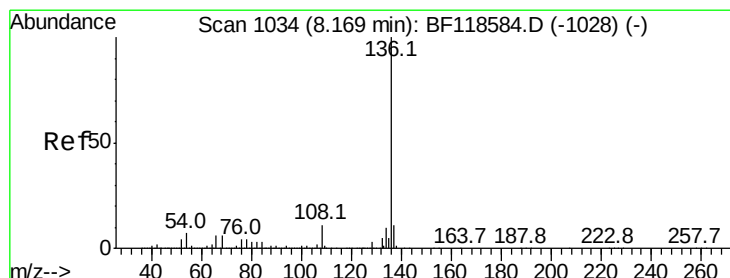
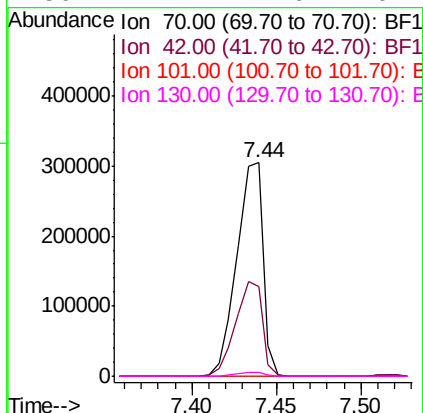
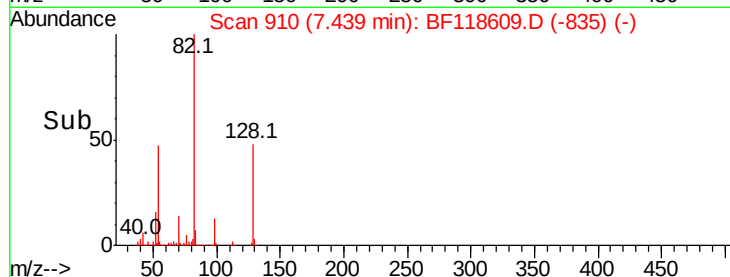
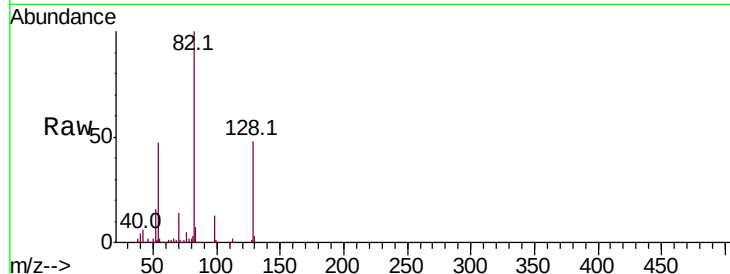




#19
n-Nitroso-di-n-propylamine
Concen: 13.813 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.14 min
Lab File: BF118609.D
Acq: 20 Jan 2020 23:39

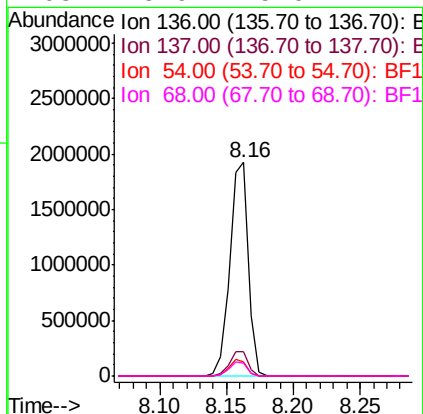
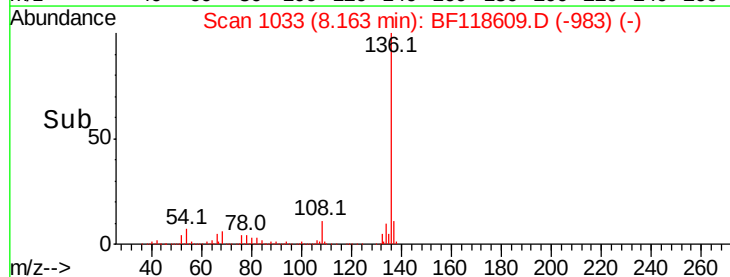
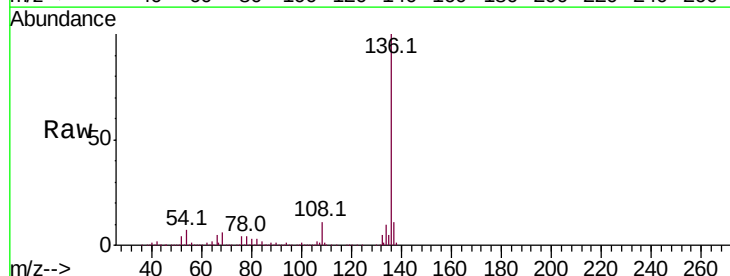
Instrument :
BNA_F
ClientSampleId :

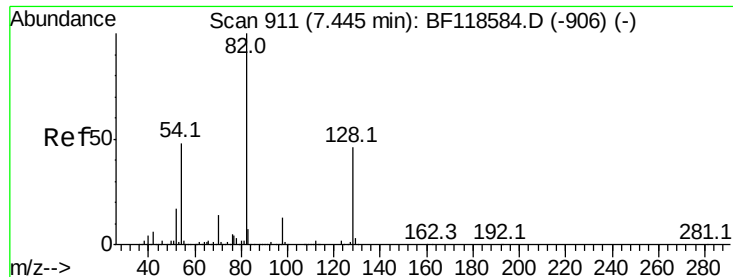
Tot Ion: 70 Resp: 331950
Ion Ratio Lower Upper
70 100
42 42.2 43.4 65.0#
101 0.0 8.1 12.1#
130 2.1 17.6 26.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF118609.D
Acq: 20 Jan 2020 23:39

Tgt Ion:136 Resp: 1877231
Ion Ratio Lower Upper
136 100
137 11.3 9.1 13.7
54 6.6 5.8 8.6
68 5.9 5.0 7.4

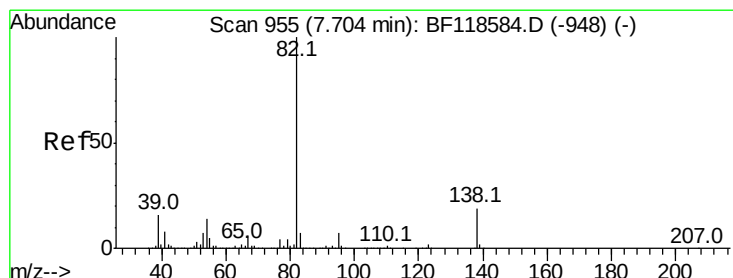
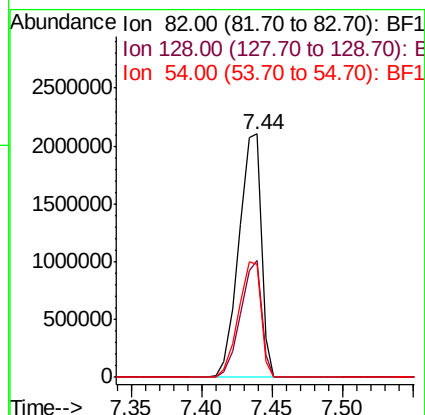
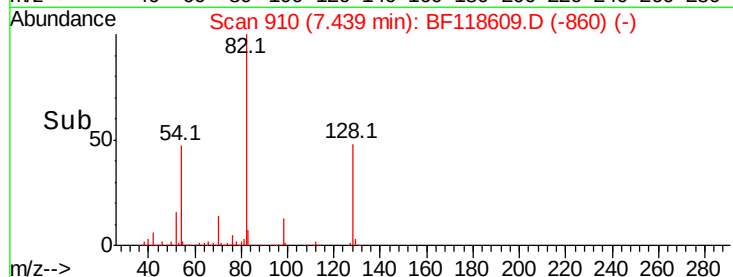
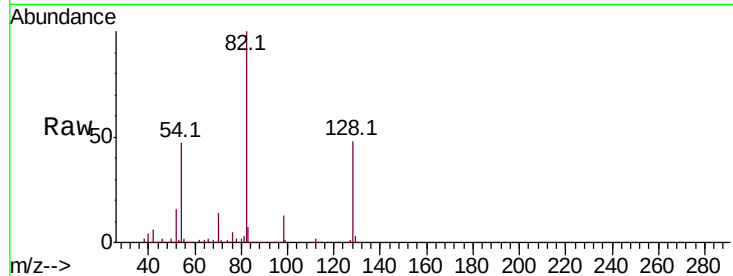




#23
Nitrobenzene-d5
Concen: 69.224 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF118609.D
Acq: 20 Jan 2020 23:39

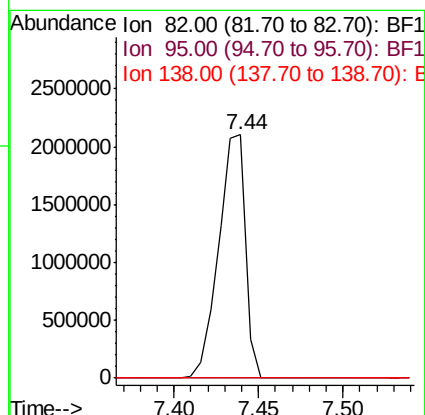
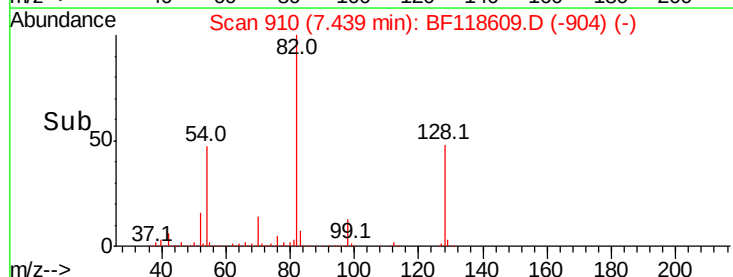
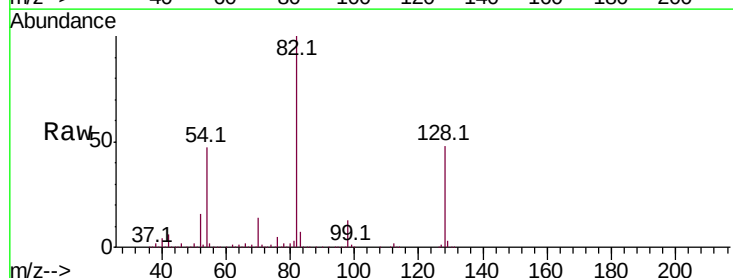
Instrument :
BNA_F
ClientSampleId :

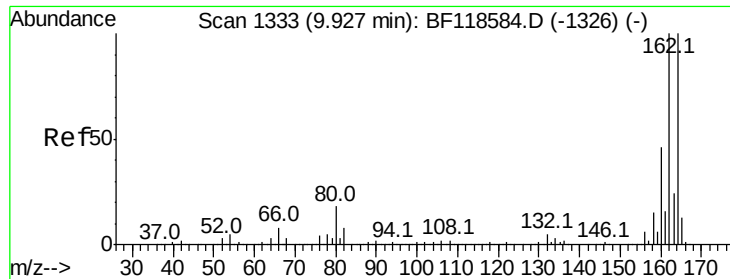
Tot Ion: 82 Resp: 2323259
Ion Ratio Lower Upper
82 100
128 47.9 36.6 54.8
54 46.6 38.0 57.0



#25
Isophorone
Concen: 37.836 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.26 min
Lab File: BF118609.D
Acq: 20 Jan 2020 23:39

Tgt Ion: 82 Resp: 2316126
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: BF118609.D

Acq: 20 Jan 2020 23:39

Instrument :

BNA_F

ClientSampleId :

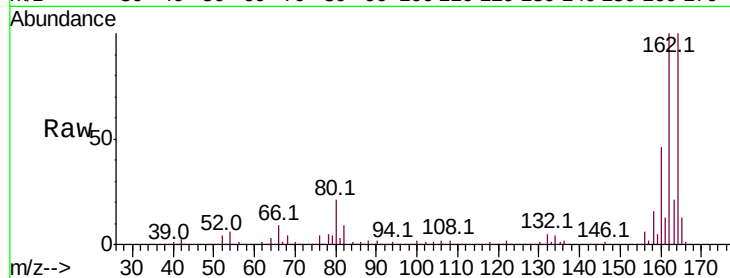
Tot Ion:164 Resp: 1042215

Ion Ratio Lower Upper

164 100

162 100.1 80.4 120.6

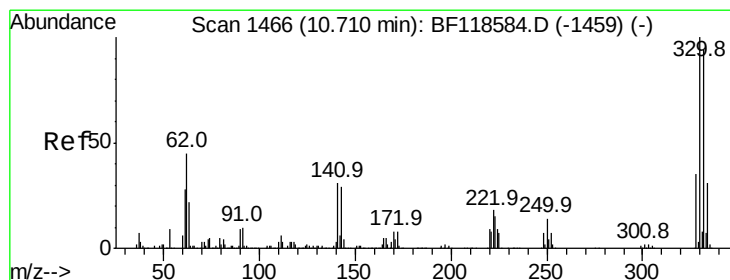
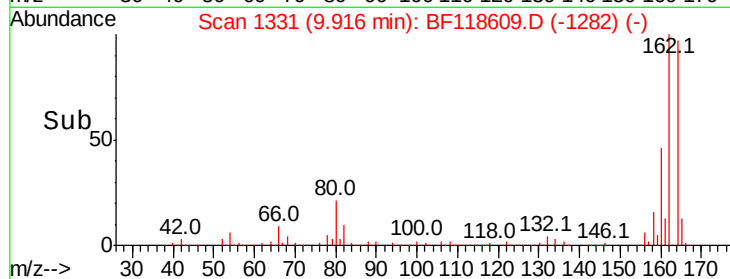
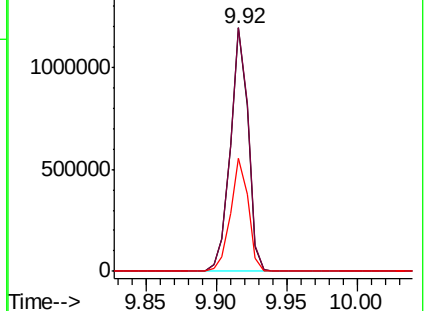
160 46.3 36.6 55.0



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: 96.097 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BF118609.D

Acq: 20 Jan 2020 23:39

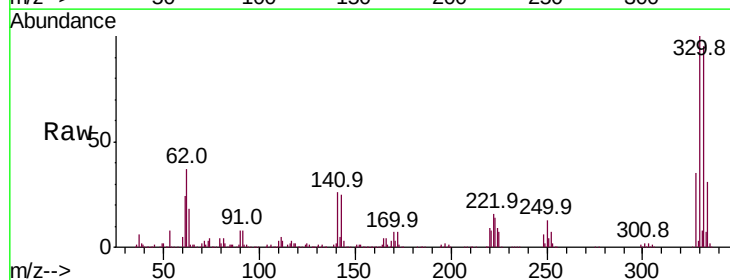
Tgt Ion:330 Resp: 1158410

Ion Ratio Lower Upper

330 100

332 95.8 76.2 114.4

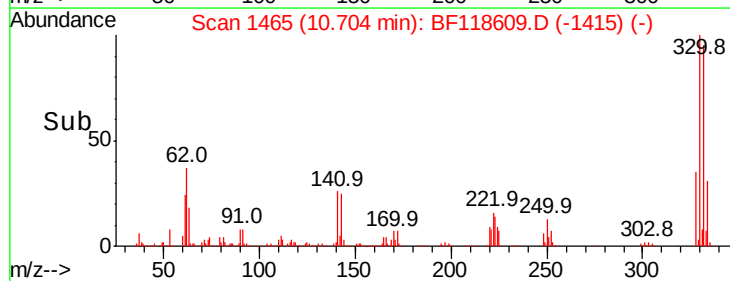
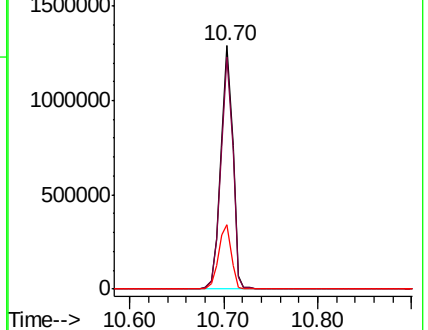
141 28.3 23.9 35.9

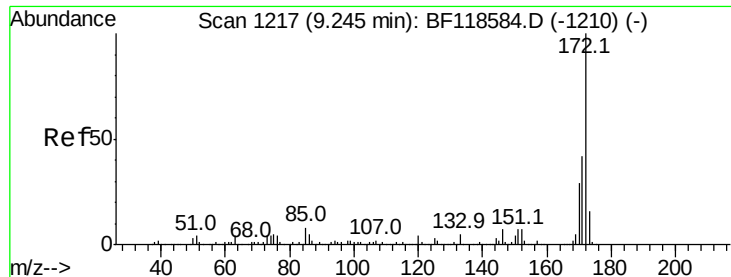


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 65.770 ng

RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF118609.D

Acq: 20 Jan 2020 23:39

Instrument :

BNA_F

ClientSampleId :

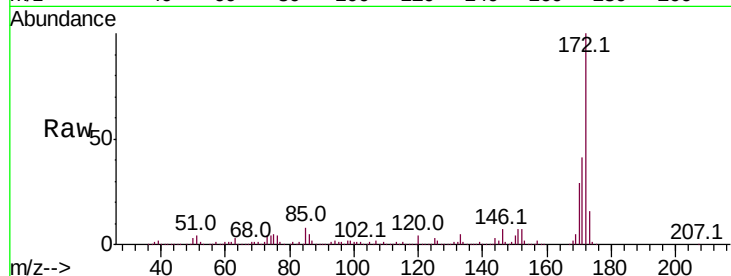
Tot Ion:172 Resp: 4170487

Ion	Ratio	Lower	Upper
172	100		
171	41.4	33.4	50.2
170	28.6	23.2	34.8

172 100

171 41.4 33.4 50.2

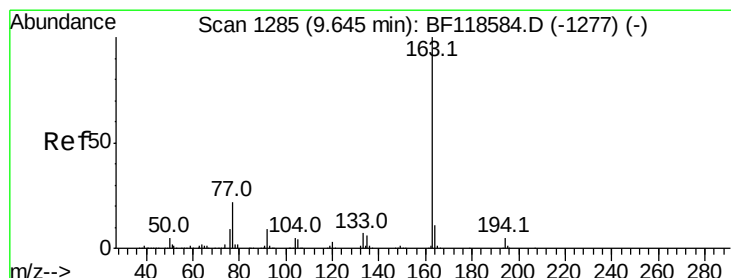
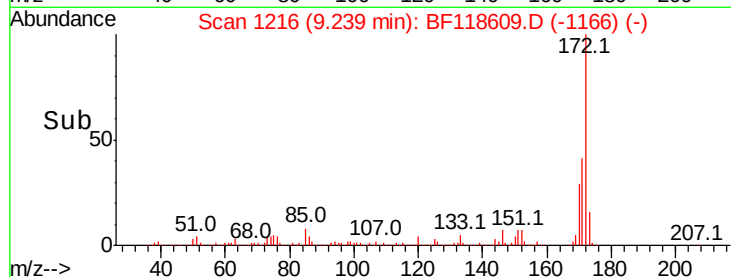
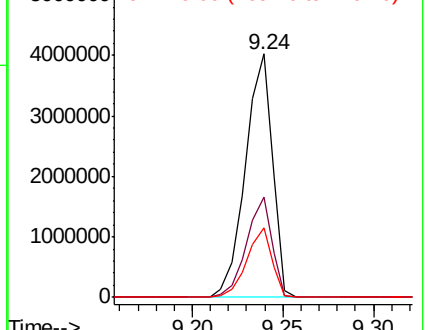
170 28.6 23.2 34.8



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: 4.730 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF118609.D

Acq: 20 Jan 2020 23:39

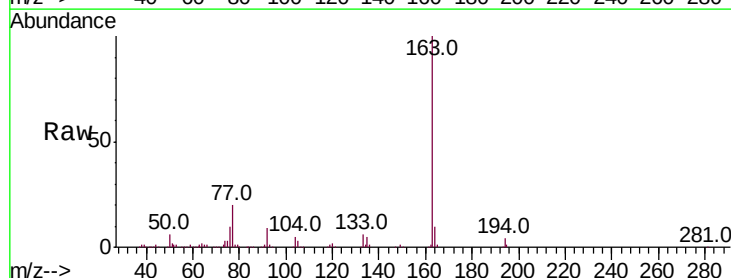
Tgt Ion:163 Resp: 321206

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.9	5.9
164	9.8	9.1	13.7

163 100

194 4.4 3.9 5.9

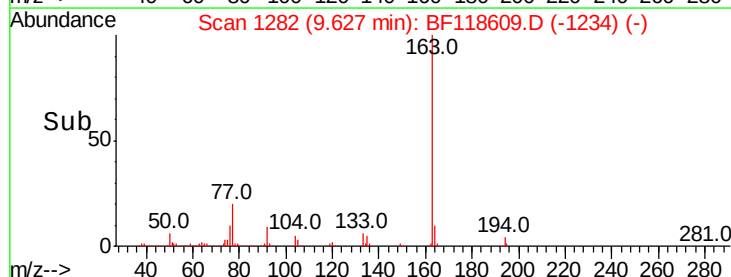
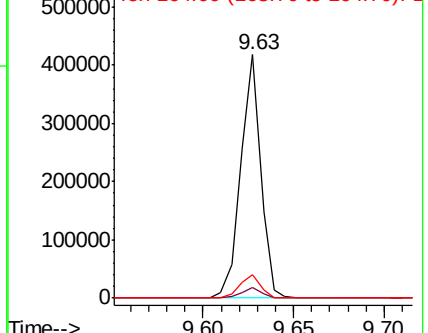
164 9.8 9.1 13.7

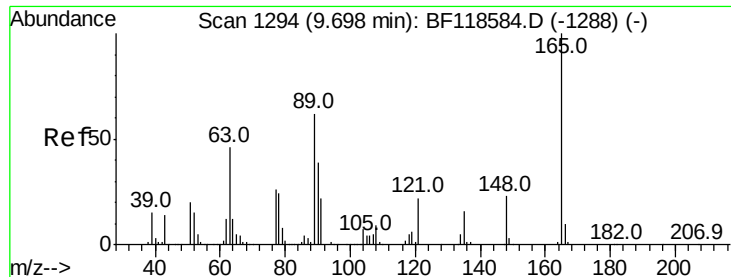


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

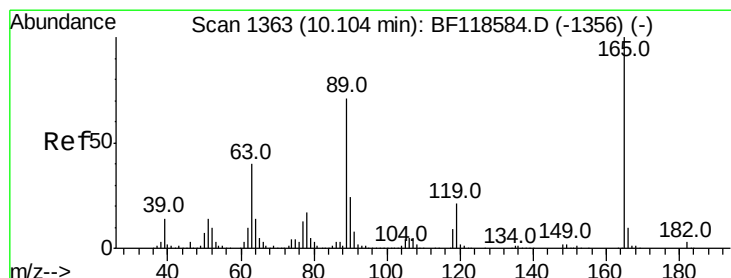
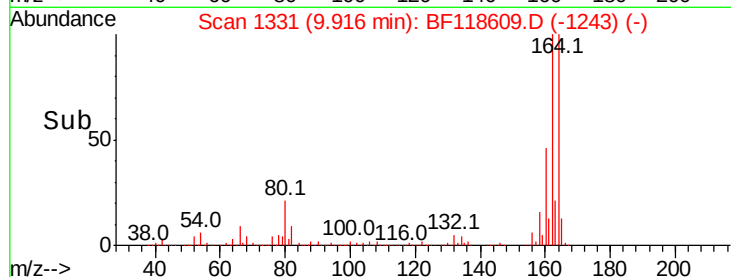
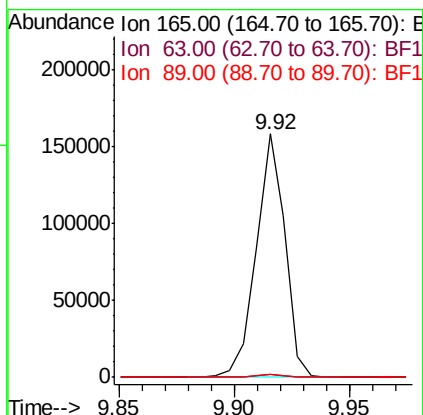
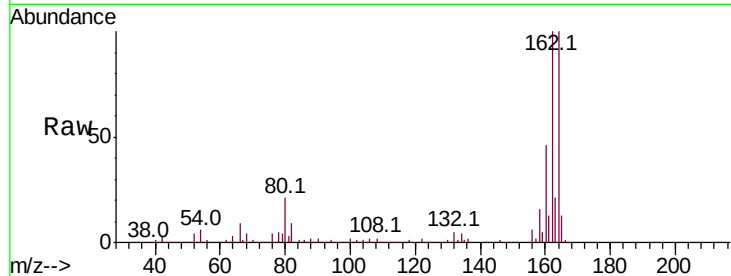




#51
2,6-Dinitrotoluene
Concen: 9.029 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.22 min
Lab File: BF118609.D
Acq: 20 Jan 2020 23:39

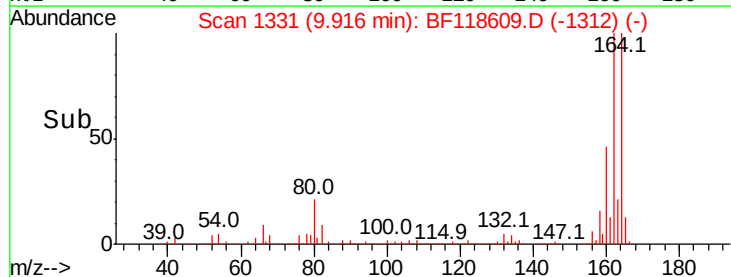
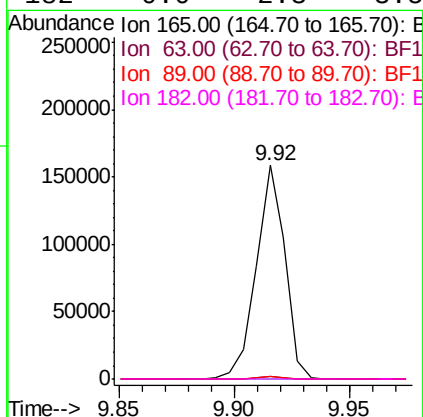
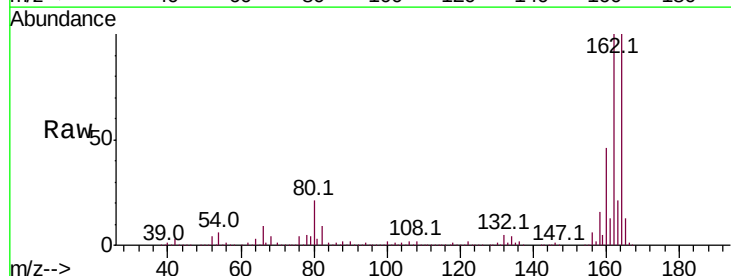
Instrument :
BNA_F
ClientSampleId :

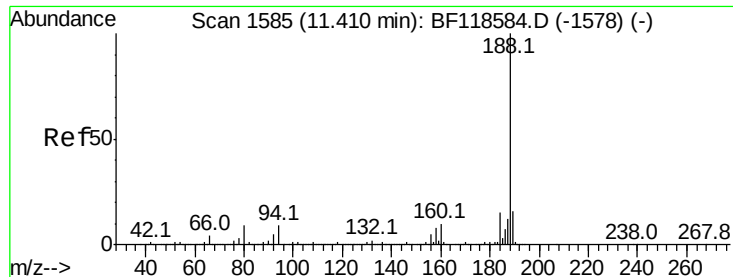
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	48.9	73.3#
89	1.4	49.8	74.6#



#57
2,4-Dinitrotoluene
Concen: 7.162 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.19 min
Lab File: BF118609.D
Acq: 20 Jan 2020 23:39

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	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: BF118609.D

Acq: 20 Jan 2020 23:39

Instrument :

BNA_F

ClientSampled :

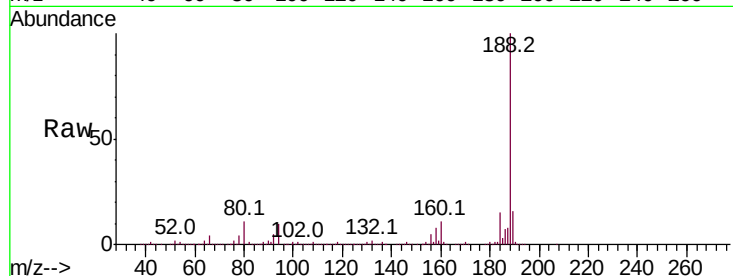
Tot Ion:188 Resp: 1738174

Ion Ratio Lower Upper

188 100

94 10.1 7.1 10.7

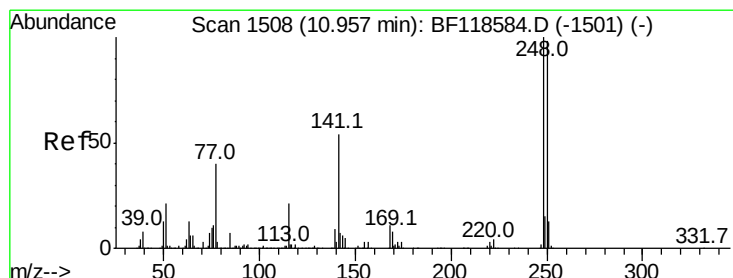
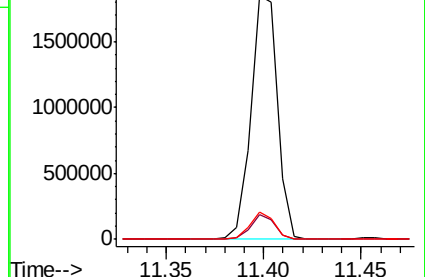
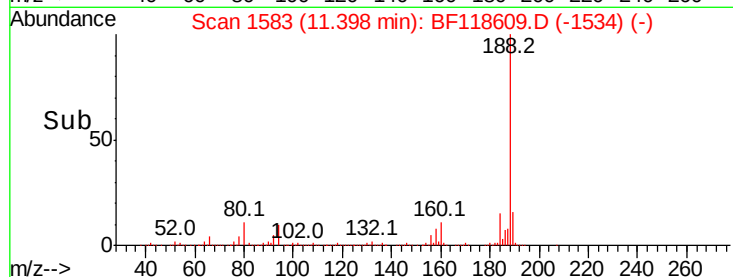
80 11.0 7.5 11.3



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: 3.412 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.25 min

Lab File: BF118609.D

Acq: 20 Jan 2020 23:39

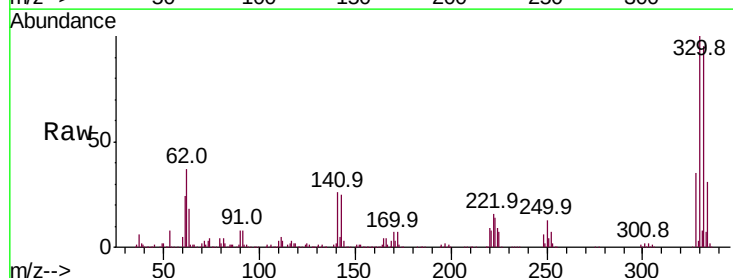
Tgt Ion:248 Resp: 73264

Ion Ratio Lower Upper

248 100

250 200.3 78.7 118.1#

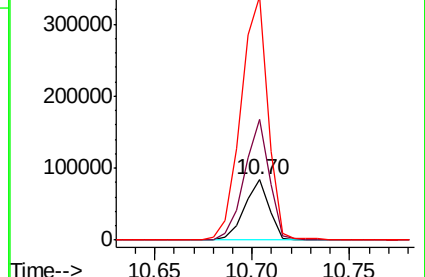
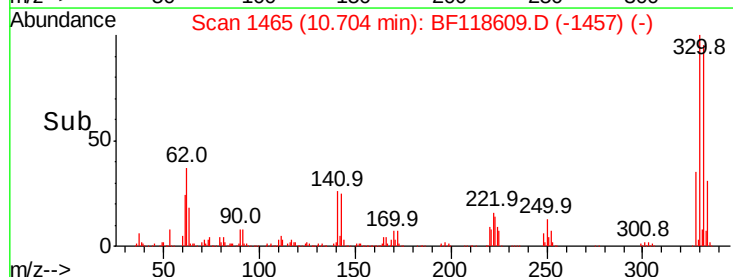
141 405.9 43.2 64.8#

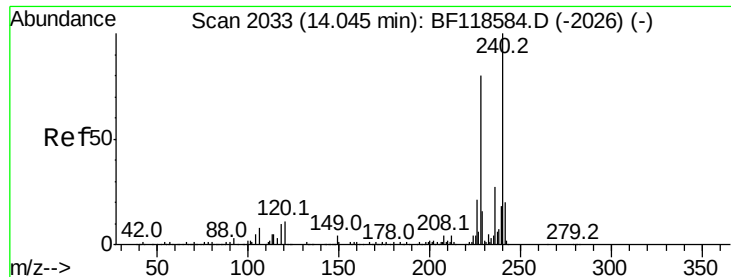


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

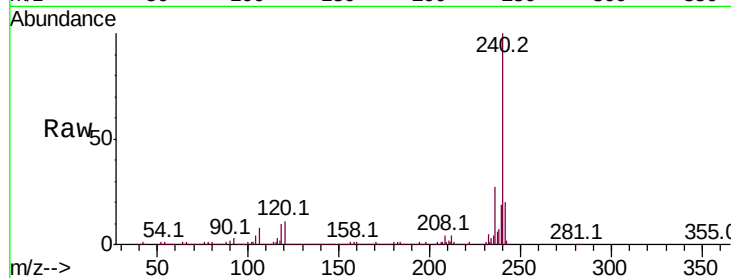




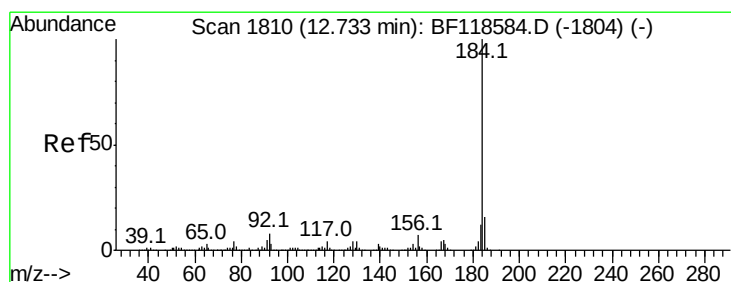
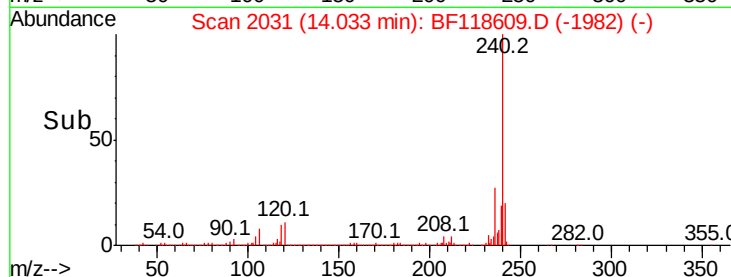
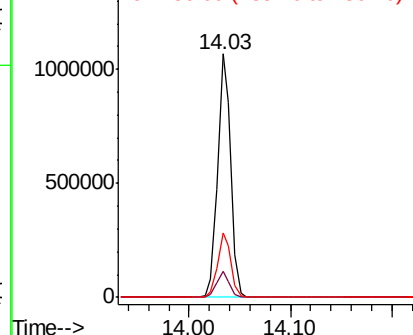
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.01 min
 Lab File: BF118609.D
 Acq: 20 Jan 2020 23:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:240 Resp: 956281
 Ion Ratio Lower Upper
 240 100
 120 10.8 8.9 13.3
 236 26.7 21.5 32.3

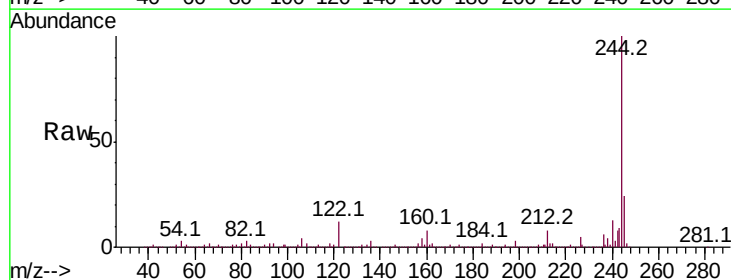


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

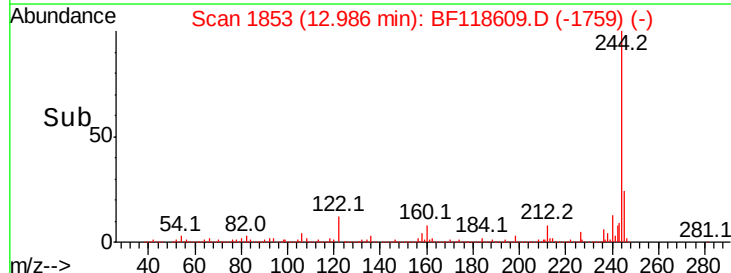
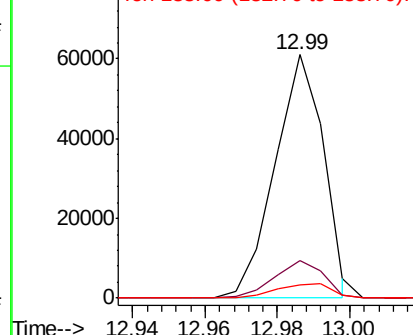


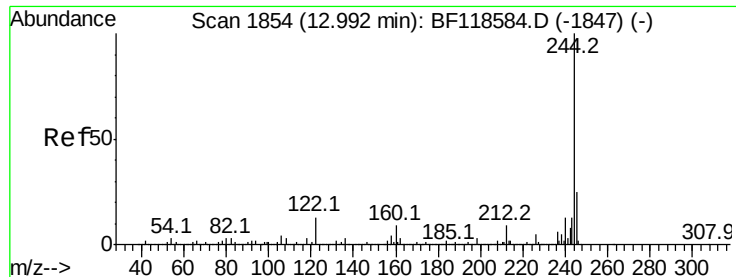
#77
 Benzidine
 Concen: 2.228 ng
 RT: 12.99 min Scan# 1853
 Delta R.T. 0.25 min
 Lab File: BF118609.D
 Acq: 20 Jan 2020 23:39

Tgt Ion:184 Resp: 56933
 Ion Ratio Lower Upper
 184 100
 185 15.3 12.9 19.3
 183 5.7 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: 91.177 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF118609.D

Acq: 20 Jan 2020 23:39

Instrument :

BNA_F

ClientSampled :

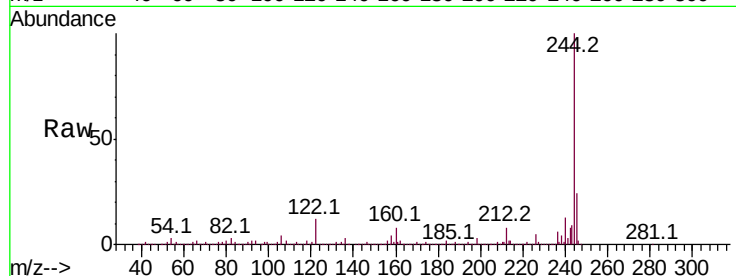
Tot Ion:244 Resp: 3997555

Ion Ratio Lower Upper

244 100

212 8.3 7.0 10.4

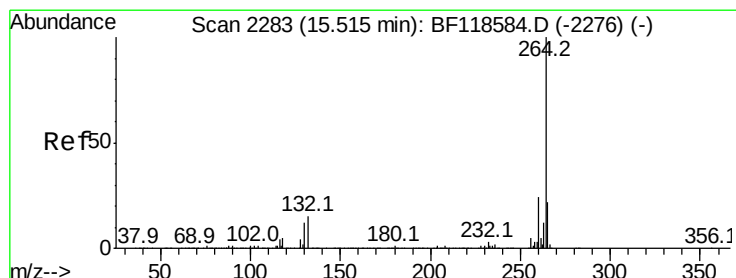
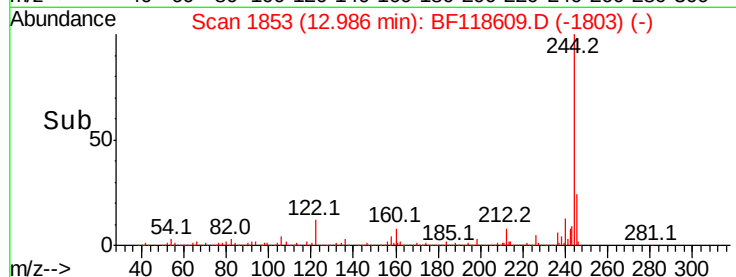
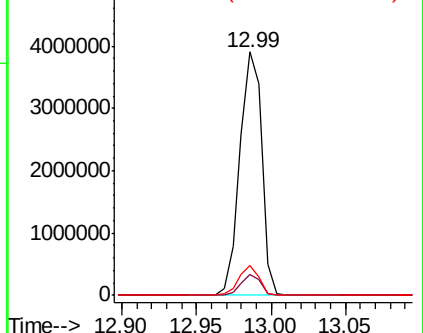
122 12.4 10.7 16.1



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: BF118609.D

Acq: 20 Jan 2020 23:39

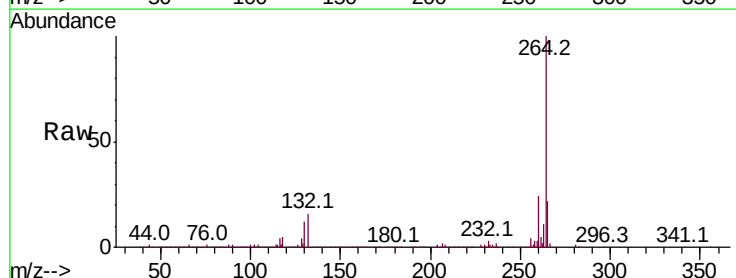
Tgt Ion:264 Resp: 1139177

Ion Ratio Lower Upper

264 100

260 24.3 19.6 29.4

265 22.1 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

