

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012920\
 Data File : BF118746.D
 Acq On : 29 Jan 2020 22:01
 Operator : CG/JU
 Sample : L1289-38
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 30 00:12:44 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 27 14:24:10 2020
 Response via : Initial Calibration

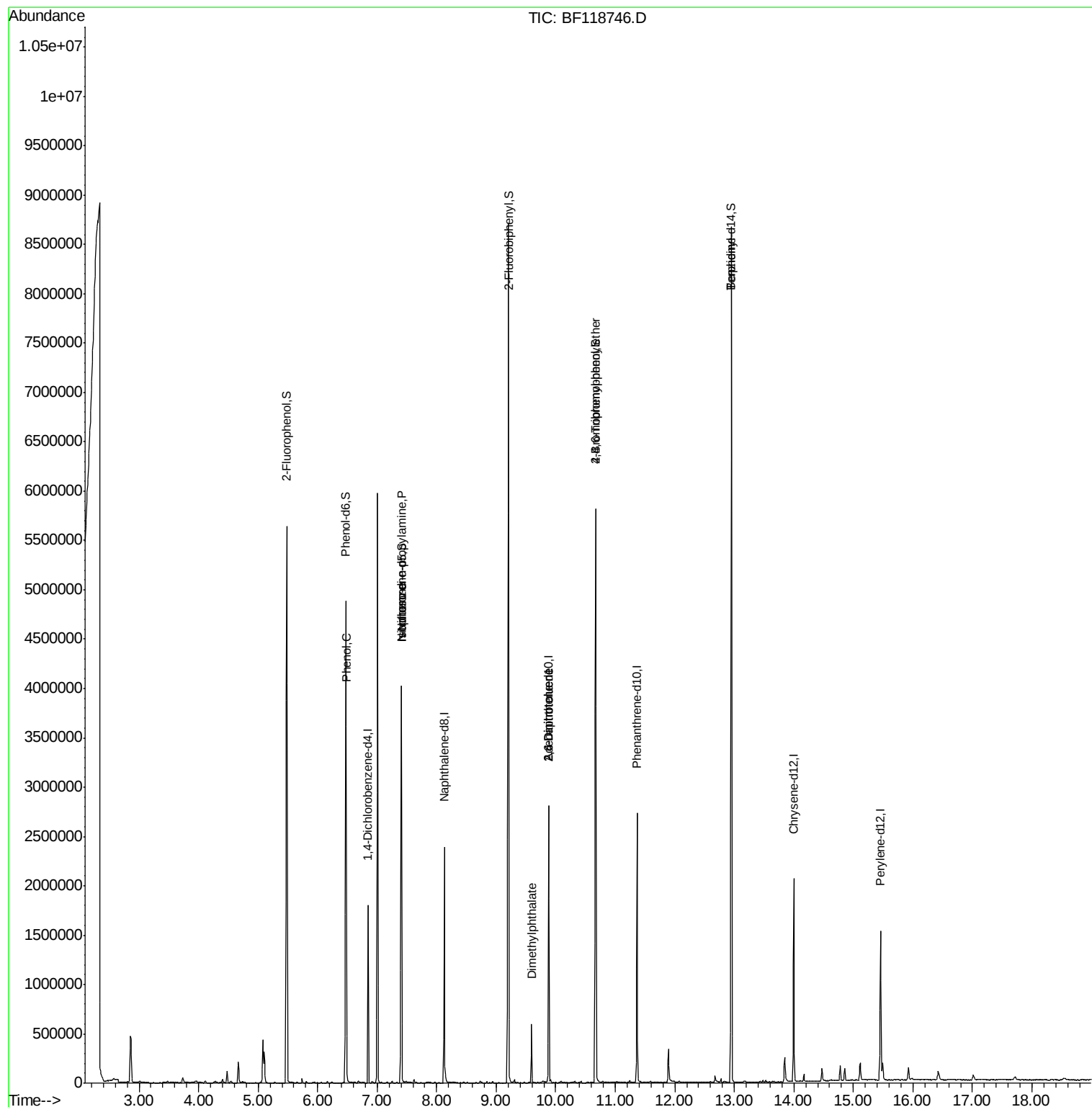
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	281249	20.00	ng	-0.02
21) Naphthalene-d8	8.13	136	1051386	20.00	ng	-0.02
39) Acenaphthene-d10	9.88	164	579117	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	990888	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	667315	20.00	ng	-0.02
87) Perylene-d12	15.46	264	730058	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1723648	113.82	ng	0.00
7) Phenol-d6	6.47	99	1868245	94.92	ng	-0.02
23) Nitrobenzene-d5	7.41	82	1544285	82.16	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	837156	124.98	ng	-0.02
45) 2-Fluorobiphenyl	9.20	172	2988746	84.82	ng	-0.02
79) Terphenyl-d14	12.95	244	3260921	106.58	ng	-0.01
Target Compounds						
10) Phenol	6.49	94	46119	2.056	ng	98
19) n-Nitroso-di-n-propylamine	7.40	70	211456	15.911	ng	# 77
25) Isophorone	7.41	82	1544260	45.042	ng	# 63
50) Dimethylphthalate	9.59	163	223604	5.926	ng	99
51) 2,6-Dinitrotoluene	9.88	165	75709	8.961	ng	# 29
57) 2,4-Dinitrotoluene	9.88	165	75709	7.108	ng	# 30
67) 4-Bromophenyl-phenylether	10.67	248	53335	4.357	ng	# 1
77) Benzidine	12.95	184	41426	2.323	ng	# 93

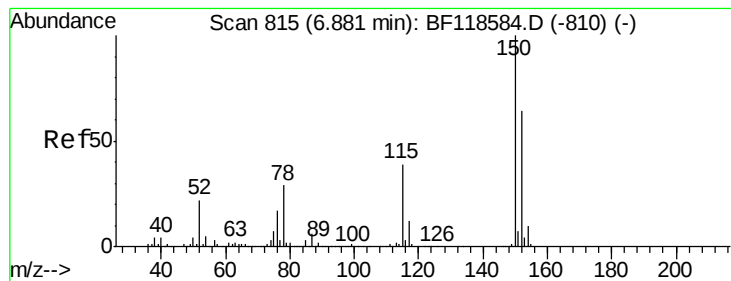
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012920\
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.85 min Scan# 809

Delta R.T. -0.02 min

Lab File: BF118746.D

Acq: 29 Jan 2020 22:01

Instrument :

BNA_F

ClientSampleId :

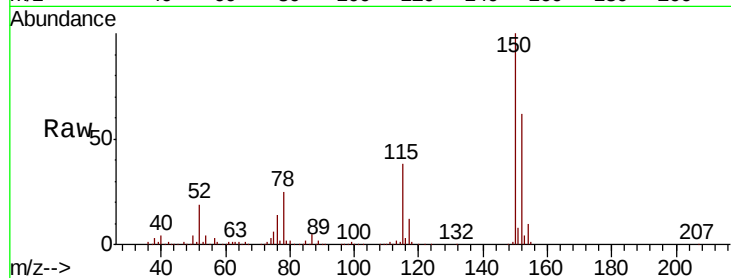
Tot Ion:152 Resp: 281249

Ion Ratio Lower Upper

152 100

150 160.0 123.7 185.5

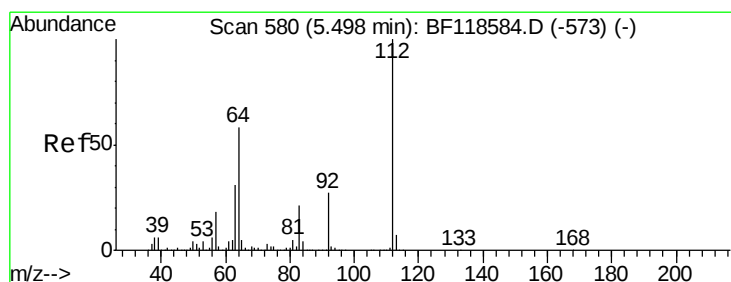
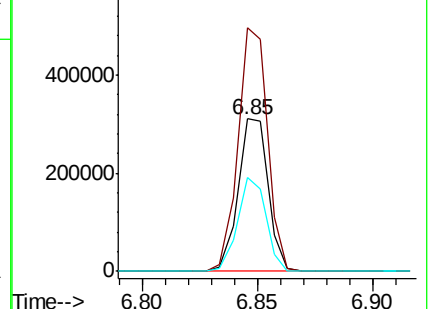
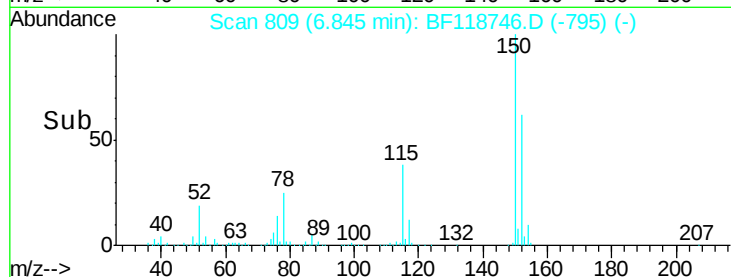
115 61.6 45.1 67.7



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: 113.823 ng

RT: 5.48 min Scan# 577

Delta R.T. -0.00 min

Lab File: BF118746.D

Acq: 29 Jan 2020 22:01

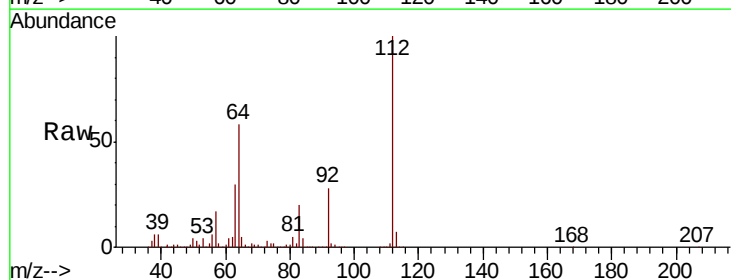
Tgt Ion:112 Resp: 1723648

Ion Ratio Lower Upper

112 100

64 57.7 42.4 63.6

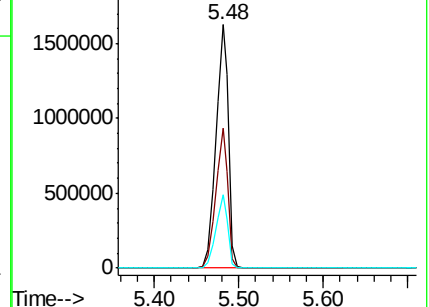
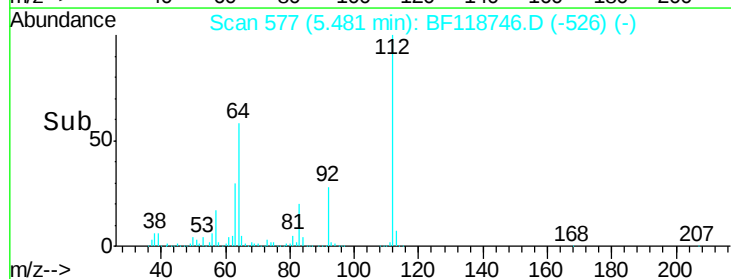
63 30.2 21.7 32.5

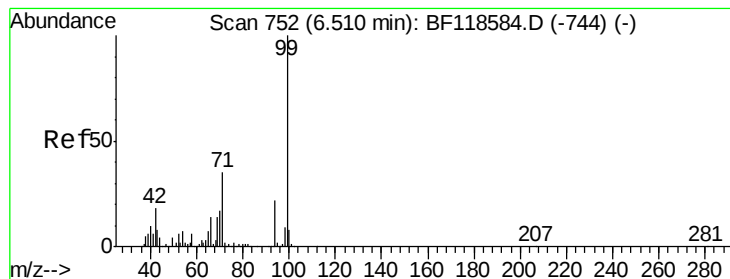


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 94.920 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF118746.D

Acq: 29 Jan 2020 22:01

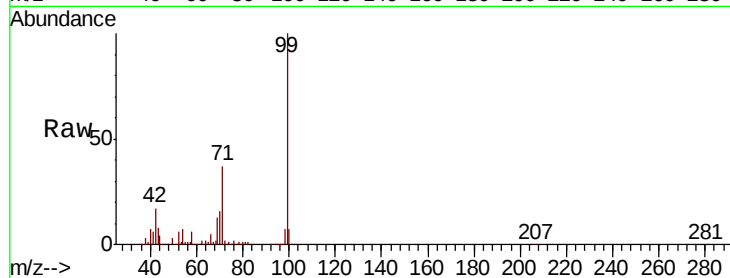
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1868245

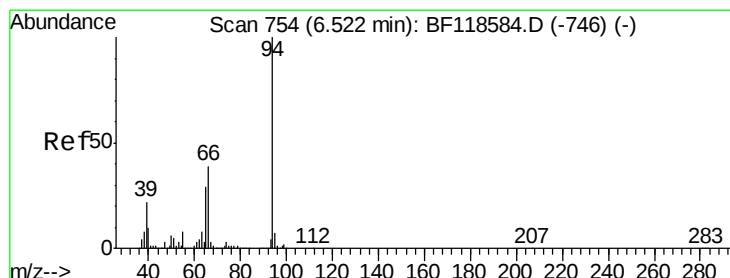
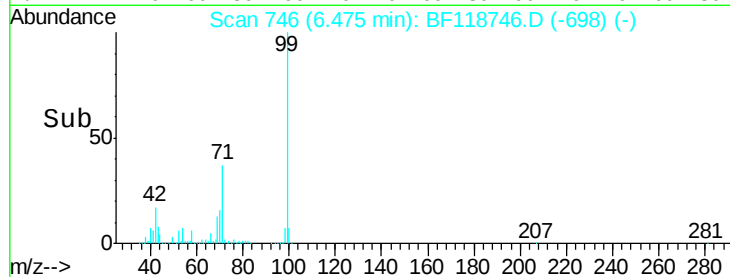
Ion	Ratio	Lower	Upper
99	100		
42	17.3	13.1	19.7
71	36.9	28.4	42.6



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: 2.056 ng

RT: 6.49 min Scan# 748

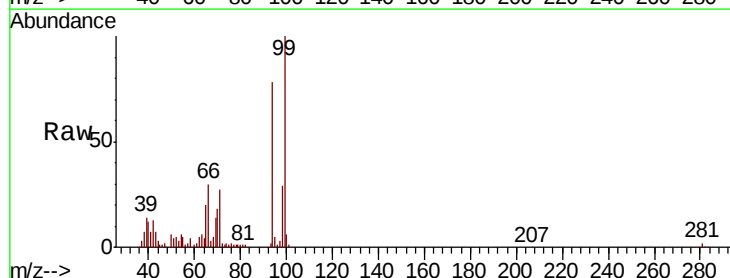
Delta R.T. -0.02 min

Lab File: BF118746.D

Acq: 29 Jan 2020 22:01

Tgt Ion: 94 Resp: 46119

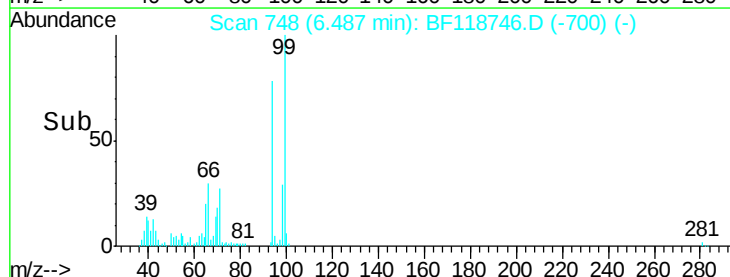
Ion	Ratio	Lower	Upper
94	100		
65	25.9	7.9	47.9
66	38.8	19.1	59.1



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

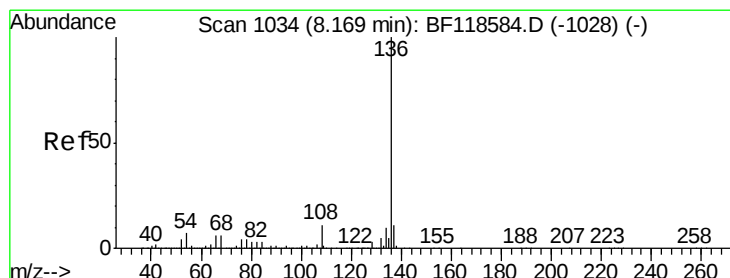
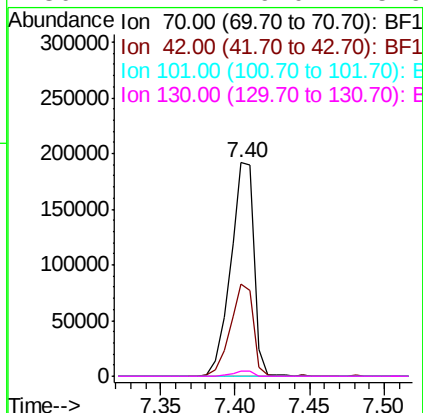
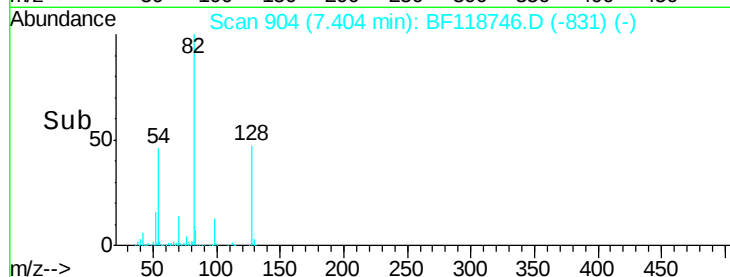
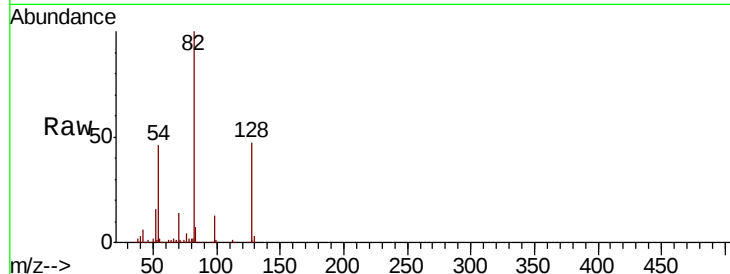




#19
n-Nitroso-di-n-propylamine
Concen: 15.911 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.13 min
Lab File: BF118746.D
Acq: 29 Jan 2020 22:01

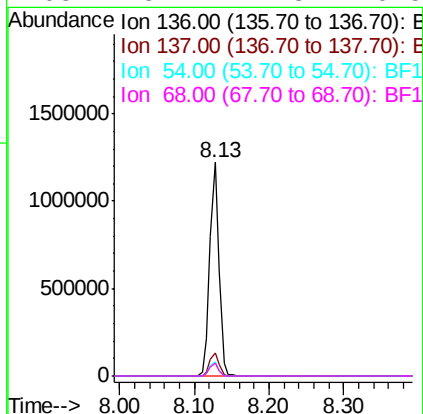
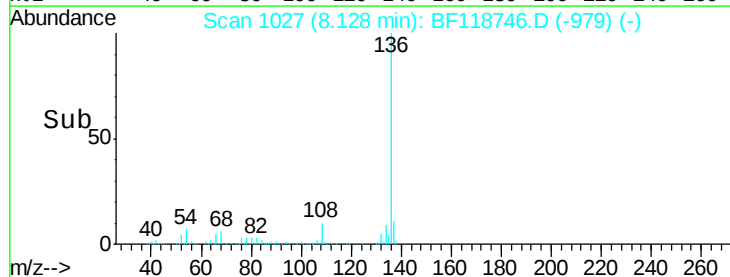
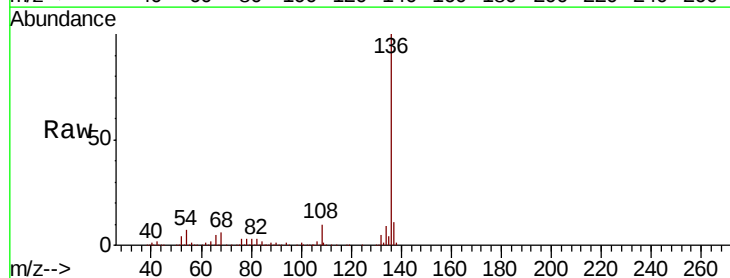
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 211456
Ion Ratio Lower Upper
70 100
42 43.0 41.6 62.4
101 0.0 7.9 11.9#
130 2.1 19.0 28.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.02 min
Lab File: BF118746.D
Acq: 29 Jan 2020 22:01

Tgt Ion:136 Resp: 1051386
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 6.6 5.1 7.7
68 5.7 4.3 6.5

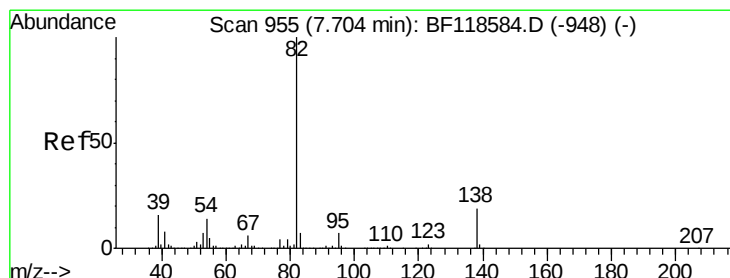
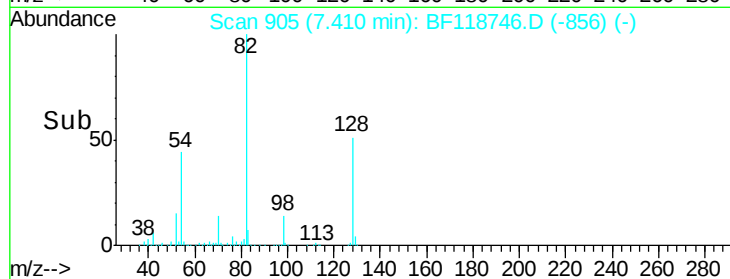
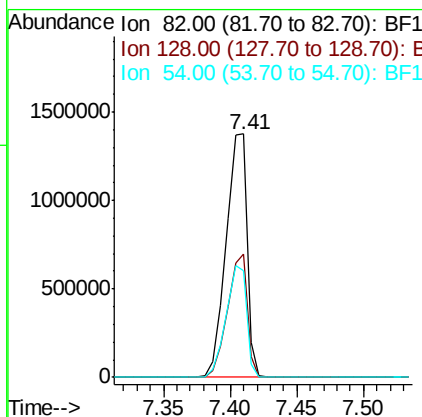
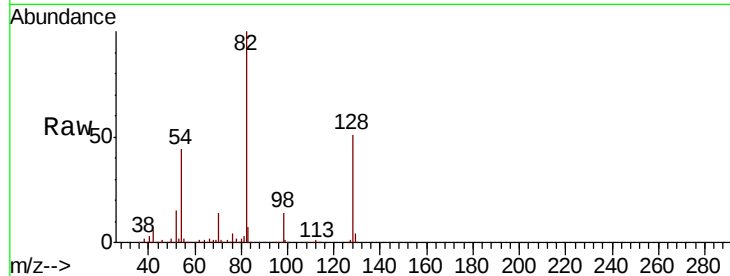




#23
Nitrobenzene-d5
Concen: 82.156 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF118746.D
Acq: 29 Jan 2020 22:01

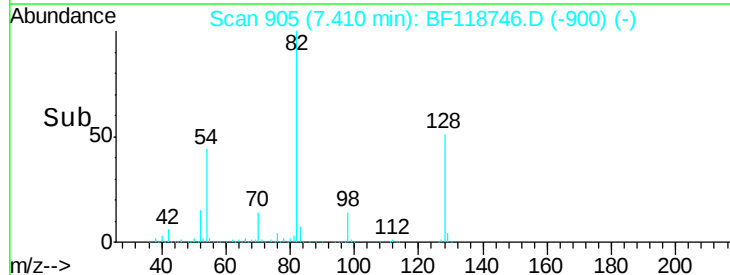
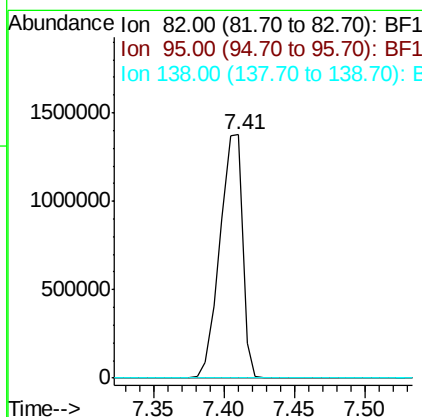
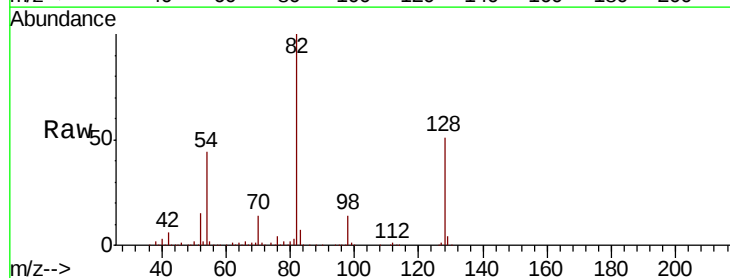
Instrument :
BNA_F
ClientSampled :

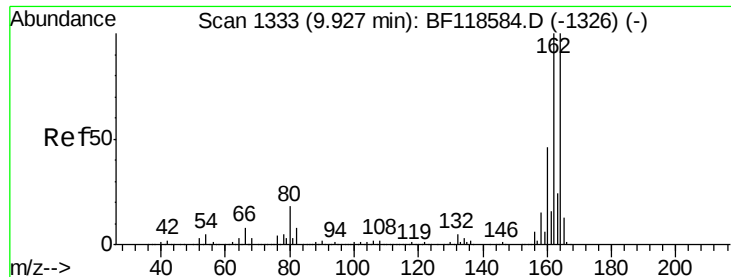
Tot Ion: 82 Resp: 1544285
Ion Ratio Lower Upper
82 100
128 50.5 38.2 57.2
54 44.0 36.1 54.1



#25
Isophorone
Concen: 45.042 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.27 min
Lab File: BF118746.D
Acq: 29 Jan 2020 22:01

Tgt Ion: 82 Resp: 1544260
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 15.8 23.8#

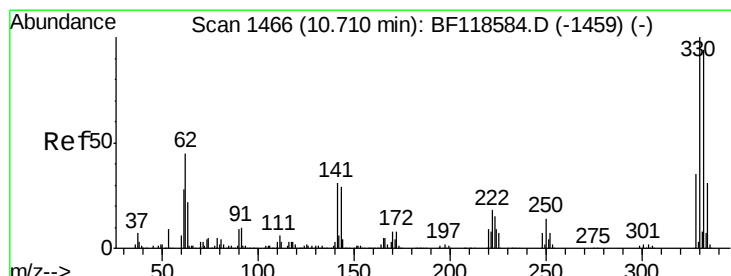
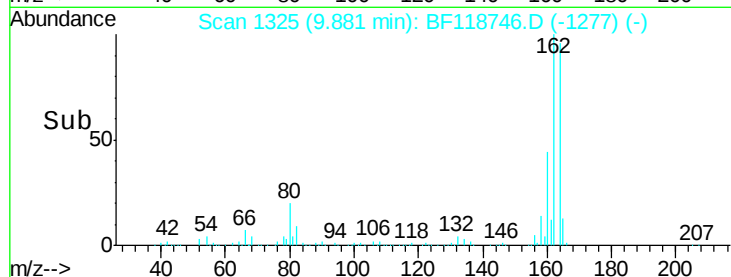
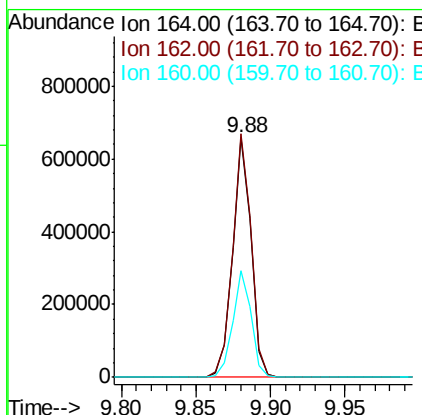
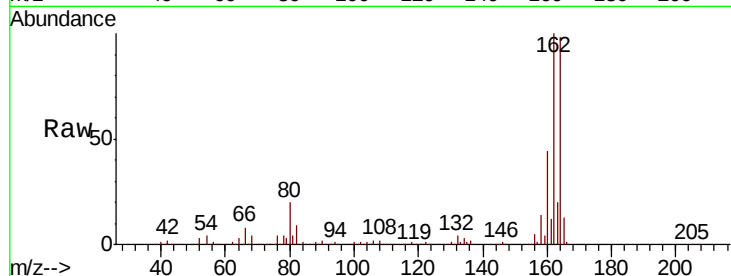




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.02 min
 Lab File: BF118746.D
 Acq: 29 Jan 2020 22:01

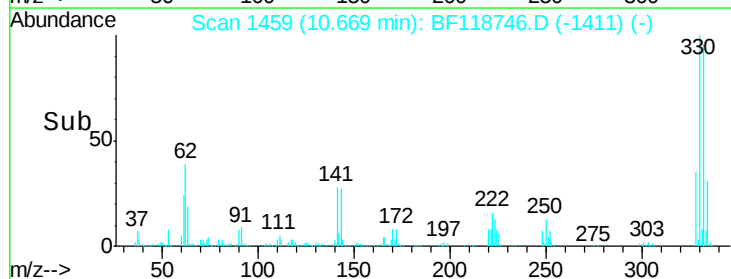
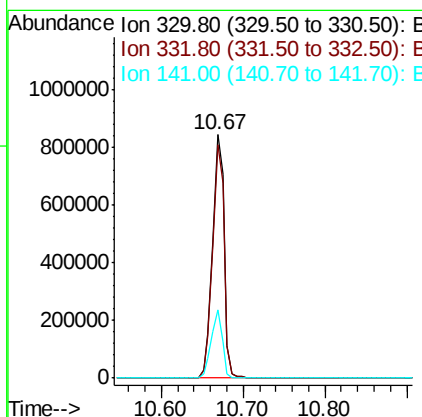
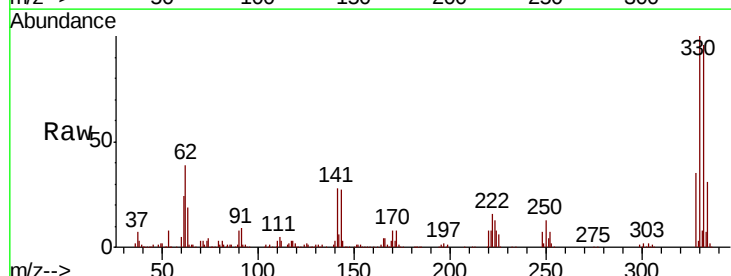
Instrument :
 BNA_F
 ClientSampleId :

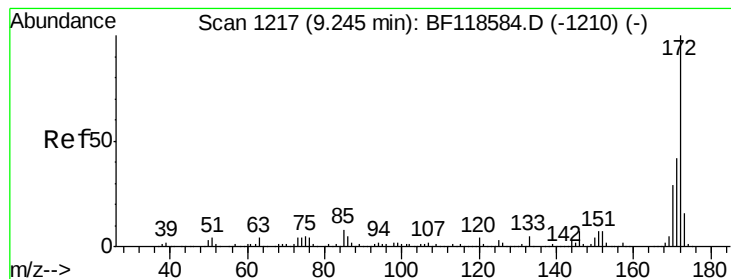
Tot Ion	Ratio	Lower	Upper
164	100		
162	101.6	80.8	121.2
160	44.5	35.4	53.0



#42
 2,4,6-Tribromophenol
 Concen: 124.982 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.02 min
 Lab File: BF118746.D
 Acq: 29 Jan 2020 22:01

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.6	116.4
141	26.9	22.2	33.2





#45

2-Fluorobiphenyl

Concen: 84.825 ng

RT: 9.20 min Scan# 1210

Delta R.T. -0.02 min

Lab File: BF118746.D

Acq: 29 Jan 2020 22:01

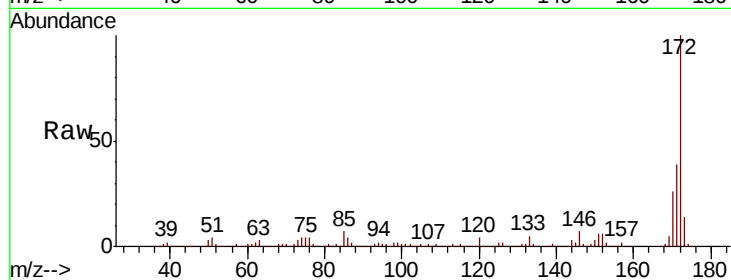
Instrument :

BNA_F

ClientSampleId :

Tot Ion:172 Resp: 2988746

Ion	Ratio	Lower	Upper
172	100		
171	38.8	31.0	46.4
170	25.7	20.7	31.1

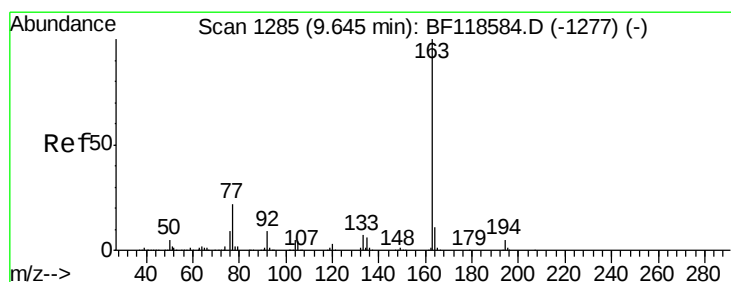
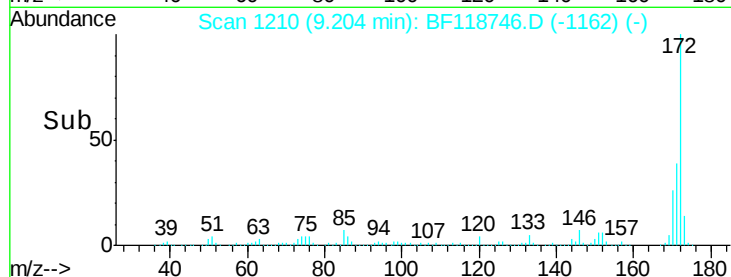
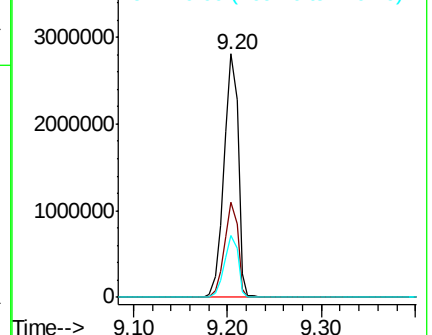


Abundance

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: 5.926 ng

RT: 9.59 min Scan# 1276

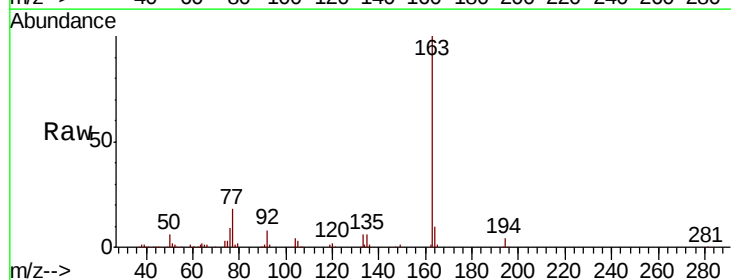
Delta R.T. -0.03 min

Lab File: BF118746.D

Acq: 29 Jan 2020 22:01

Tgt Ion:163 Resp: 223604

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.7	5.5
164	10.0	8.2	12.2

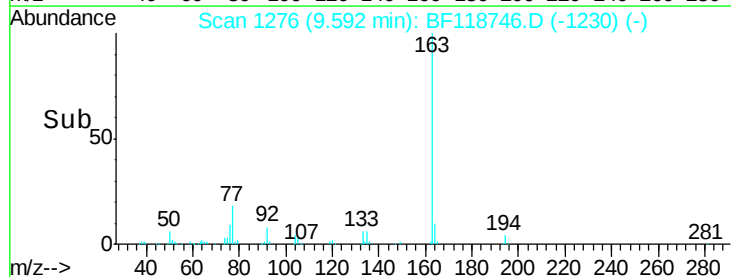
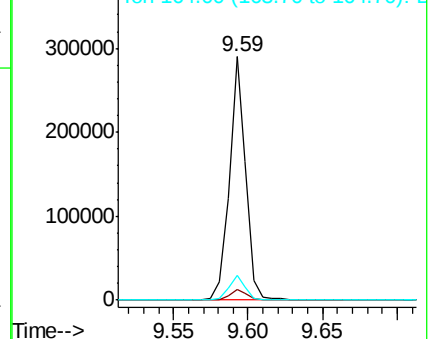


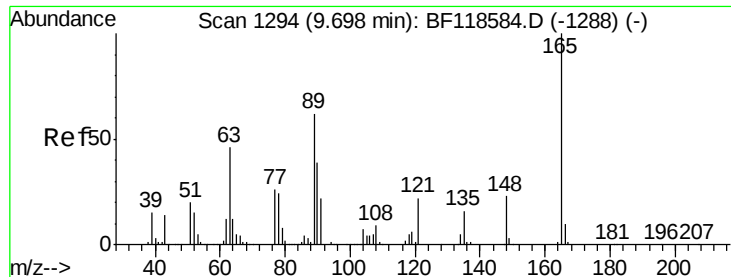
Abundance

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

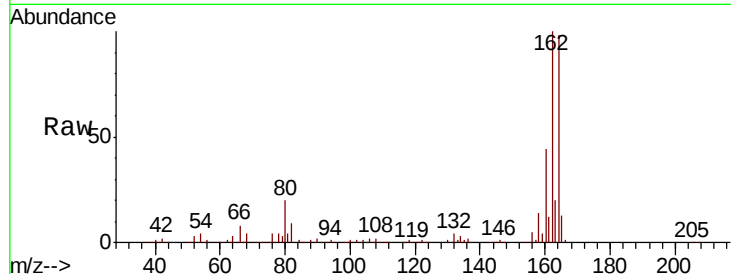




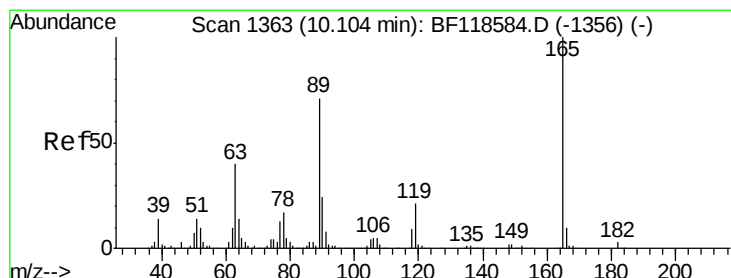
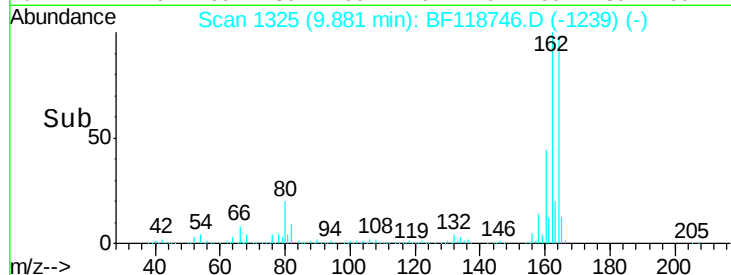
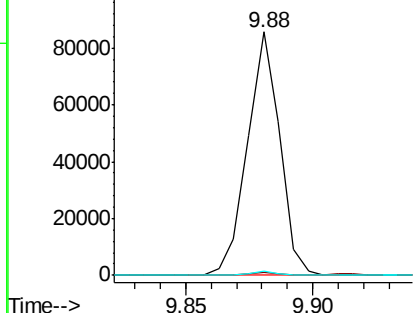
#51
 2,6-Dinitrotoluene
 Concen: 8.961 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. 0.21 min
 Lab File: BF118746.D
 Acq: 29 Jan 2020 22:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	39.8	59.6#
89	1.7	41.4	62.2#

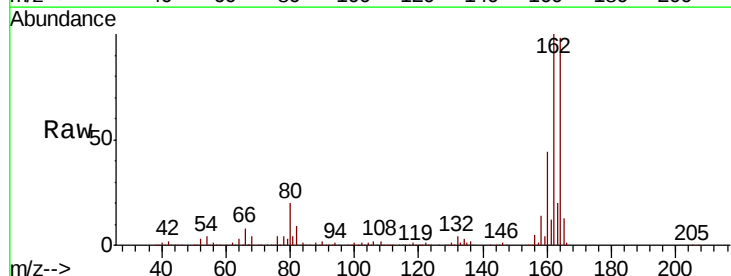


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

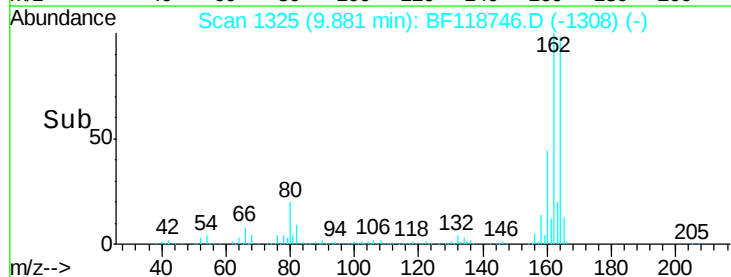
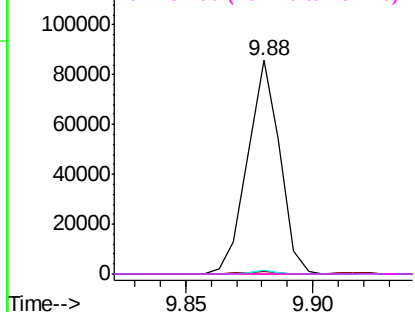


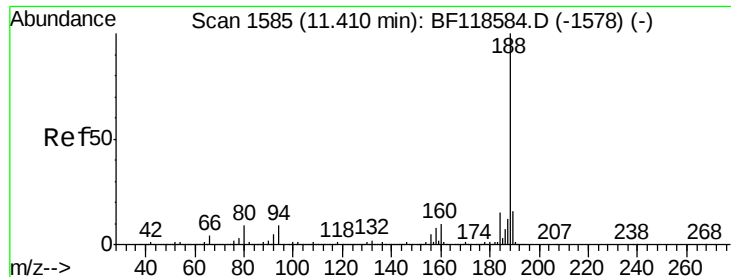
#57
 2,4-Dinitrotoluene
 Concen: 7.108 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.20 min
 Lab File: BF118746.D
 Acq: 29 Jan 2020 22:01

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	28.5	42.7#
89	1.7	50.4	75.6#
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: 11.36 min Scan# 1577

Delta R.T. -0.02 min

Lab File: BF118746.D

Acq: 29 Jan 2020 22:01

Instrument :

BNA_F

ClientSampleId :

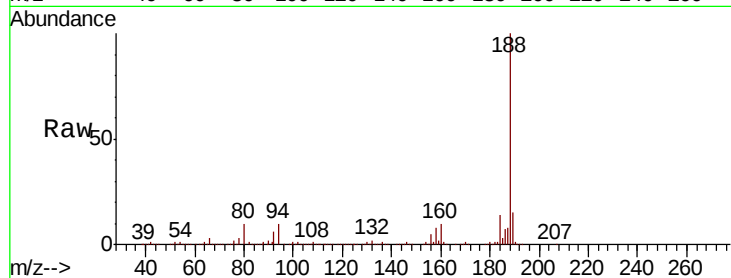
Tot Ion:188 Resp: 990888

Ion Ratio Lower Upper

188 100

94 9.7 7.4 11.2

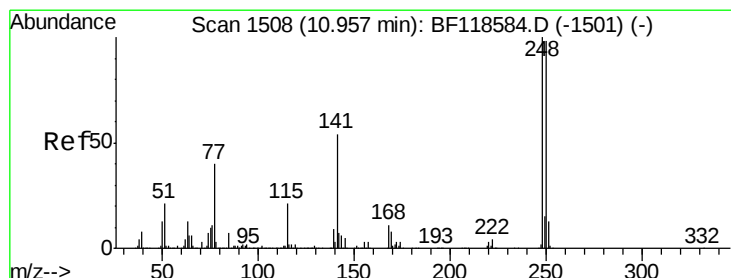
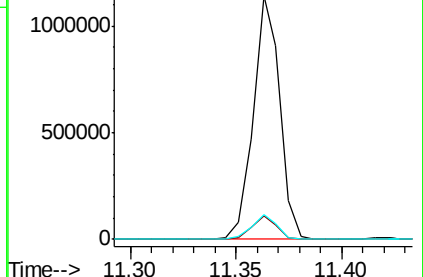
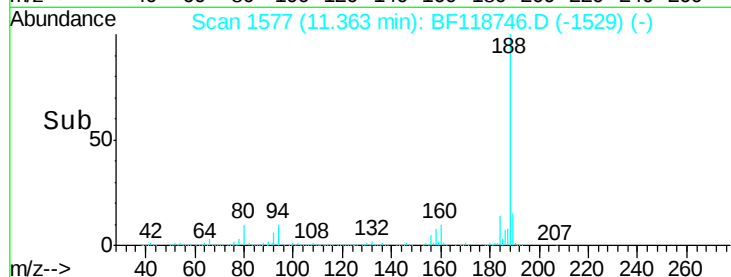
80 10.3 7.8 11.8



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: 4.357 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.26 min

Lab File: BF118746.D

Acq: 29 Jan 2020 22:01

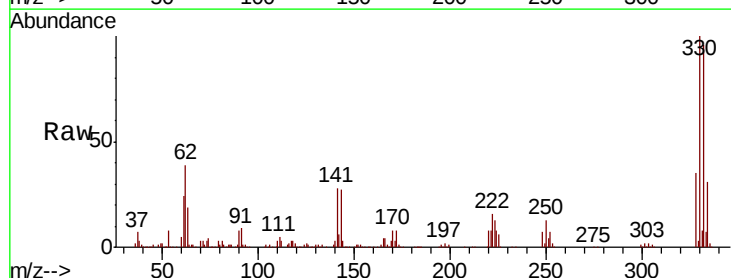
Tgt Ion:248 Resp: 53335

Ion Ratio Lower Upper

248 100

250 201.5 78.7 118.1#

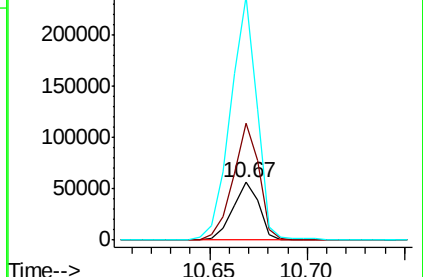
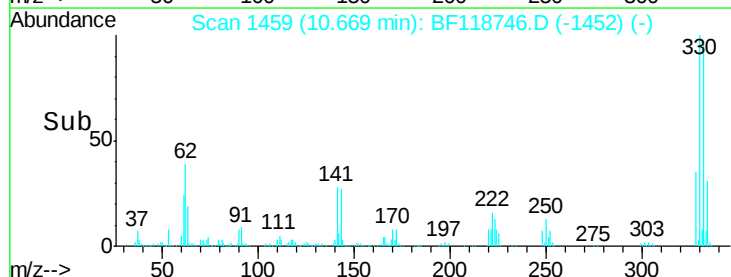
141 421.3 48.4 72.6#

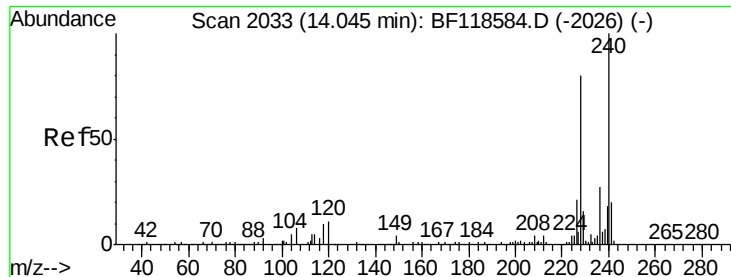


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

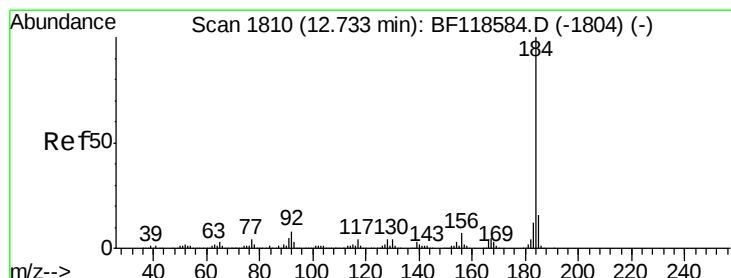
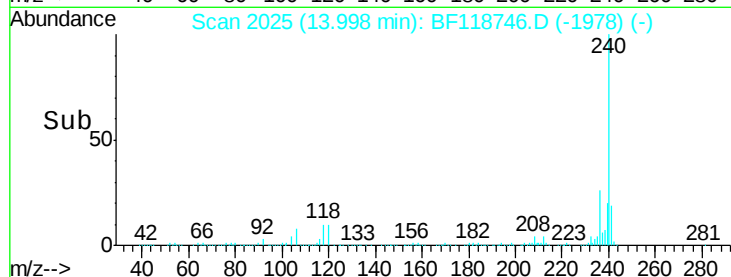
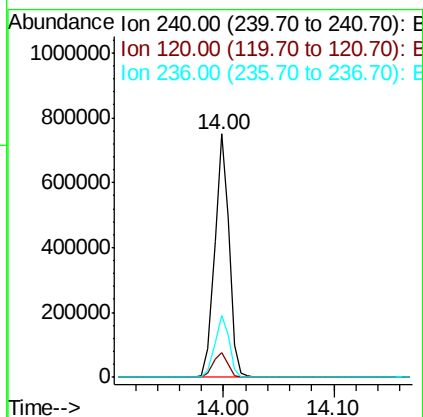
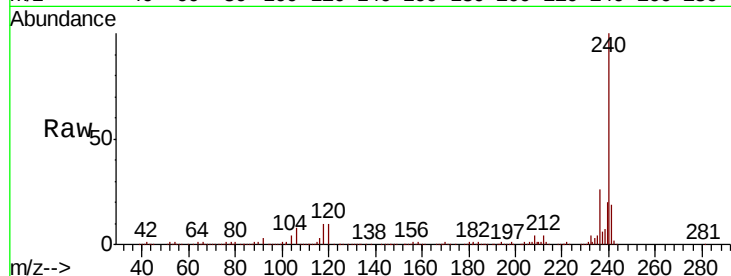




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.02 min
Lab File: BF118746.D
Acq: 29 Jan 2020 22:01

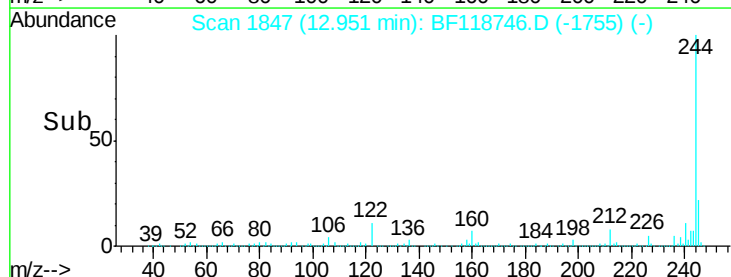
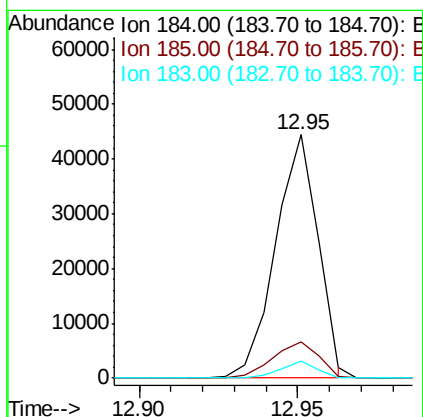
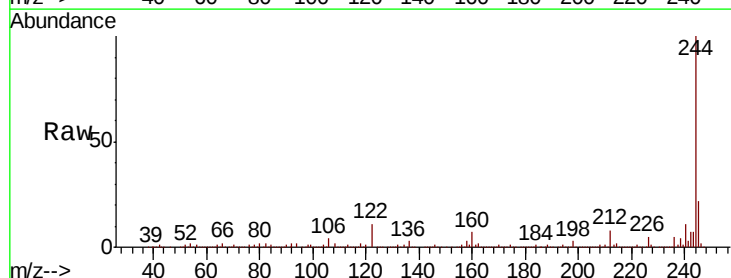
Instrument :
BNA_F
ClientSampleId :

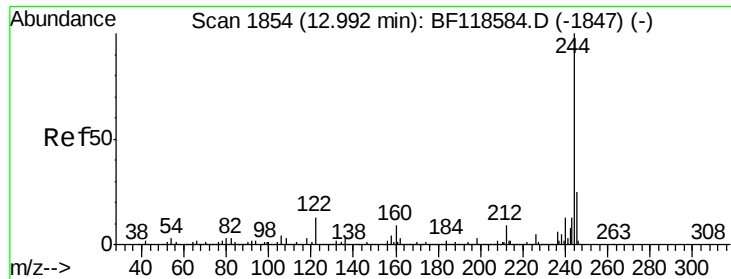
Tot Ion:240 Resp: 667315
Ion Ratio Lower Upper
240 100
120 10.3 7.6 11.4
236 25.7 21.0 31.4



#77
Benzidine
Concen: 2.323 ng
RT: 12.95 min Scan# 1847
Delta R.T. 0.24 min
Lab File: BF118746.D
Acq: 29 Jan 2020 22:01

Tgt Ion:184 Resp: 41426
Ion Ratio Lower Upper
184 100
185 15.2 11.8 17.8
183 6.8 9.7 14.5#





#79

Terphenyl-d14

Concen: 106.582 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF118746.D

Acq: 29 Jan 2020 22:01

Instrument :

BNA_F

ClientSampleId :

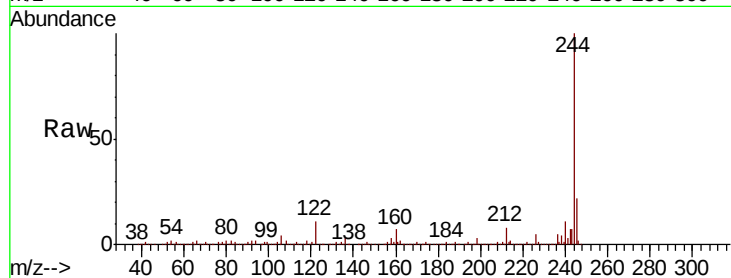
Tot Ion:244 Resp: 3260921

Ion Ratio Lower Upper

244 100

212 7.7 6.3 9.5

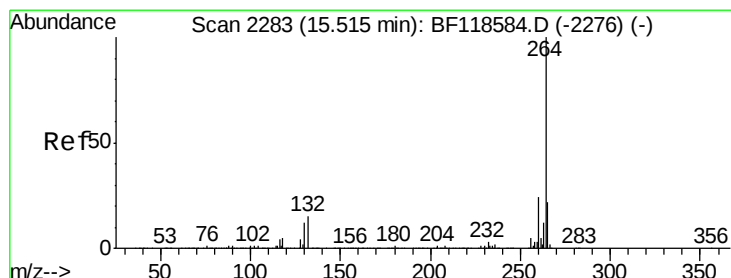
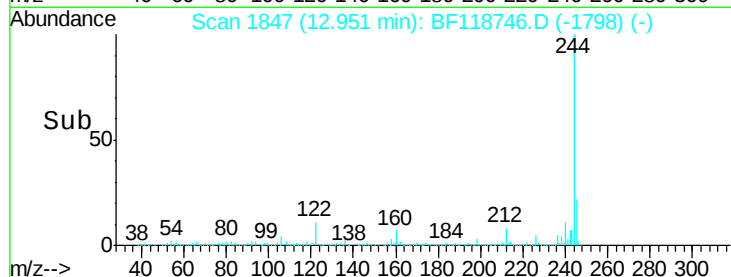
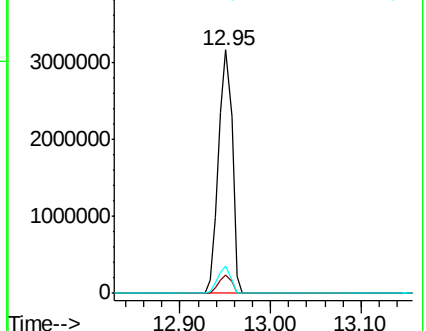
122 11.1 9.2 13.8



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: 15.46 min Scan# 2273

Delta R.T. -0.02 min

Lab File: BF118746.D

Acq: 29 Jan 2020 22:01

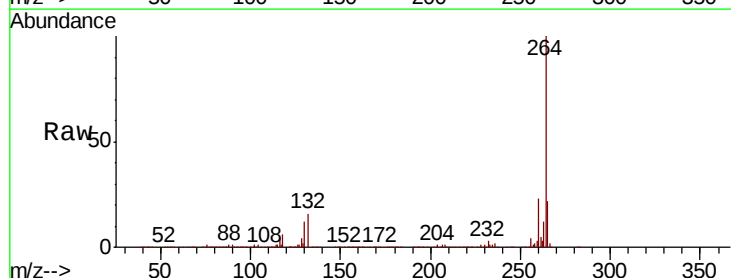
Tgt Ion:264 Resp: 730058

Ion Ratio Lower Upper

264 100

260 23.3 18.6 28.0

265 22.0 17.0 25.6



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

