

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012920\
 Data File : BF118743.D
 Acq On : 29 Jan 2020 20:39
 Operator : CG/JU
 Sample : L1289-14
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 30 00:12:04 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

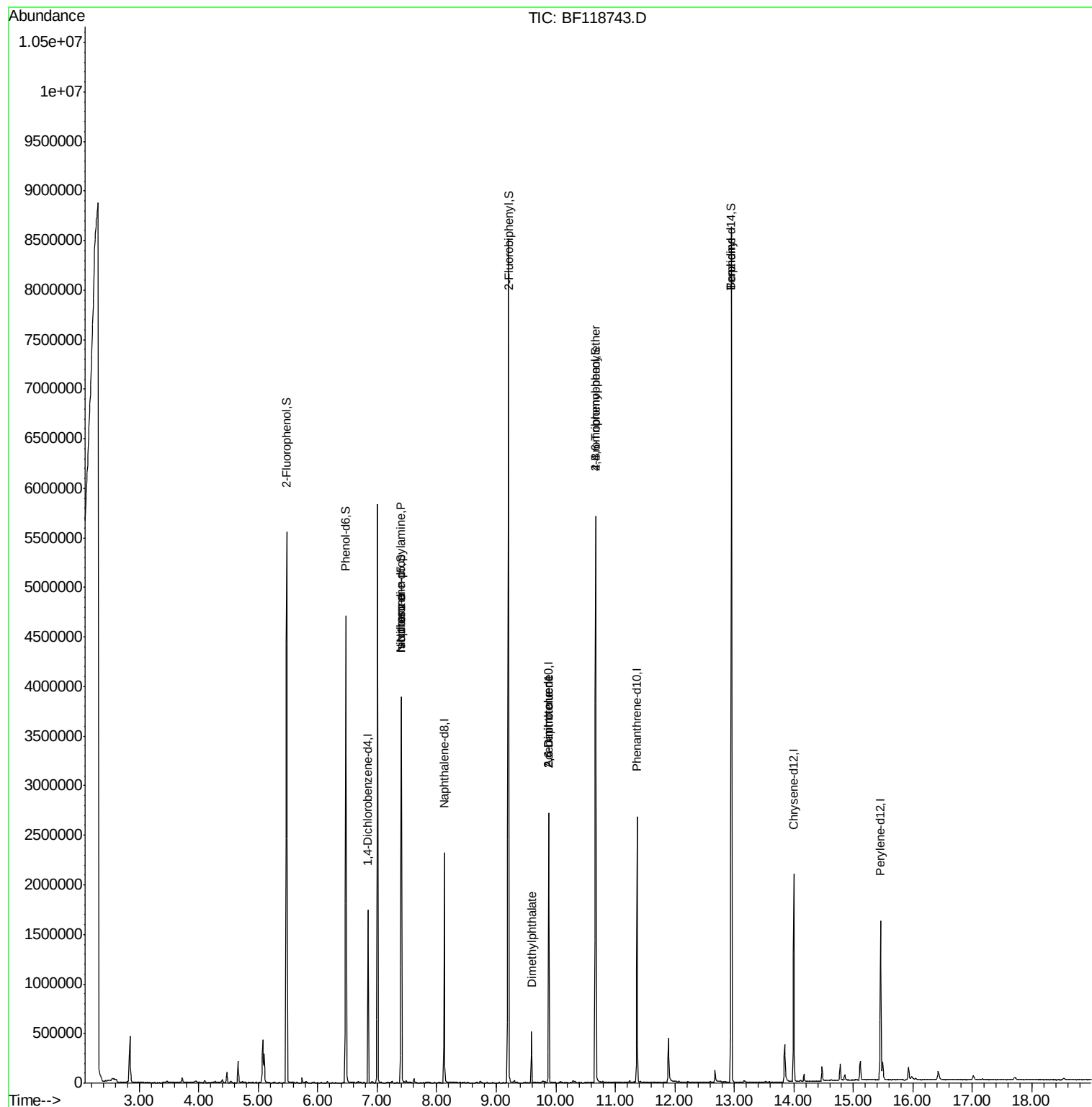
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	270622	20.00	ng	-0.02
21) Naphthalene-d8	8.13	136	1011624	20.00	ng	-0.02
39) Acenaphthene-d10	9.88	164	550624	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	960501	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	680305	20.00	ng	-0.02
87) Perylene-d12	15.46	264	738077	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1689952	115.98	ng	0.00
7) Phenol-d6	6.47	99	1822806	96.25	ng	-0.02
23) Nitrobenzene-d5	7.40	82	1481957	81.94	ng	-0.02
42) 2,4,6-Tribromophenol	10.67	330	802832	126.06	ng	-0.02
45) 2-Fluorobiphenyl	9.20	172	2886548	86.16	ng	-0.02
79) Terphenyl-d14	12.95	244	3086950	98.97	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	202554	15.840	ng	# 78
25) Isophorone	7.40	82	1481926	44.923	ng	# 63
50) Dimethylphthalate	9.59	163	196755	5.485	ng	# 99
51) 2,6-Dinitrotoluene	9.88	165	71099	8.851	ng	# 29
57) 2,4-Dinitrotoluene	9.88	165	71099	7.021	ng	# 30
67) 4-Bromophenyl-phenylether	10.67	248	51693	4.356	ng	# 1
77) Benzidine	12.95	184	39130	2.153	ng	# 89

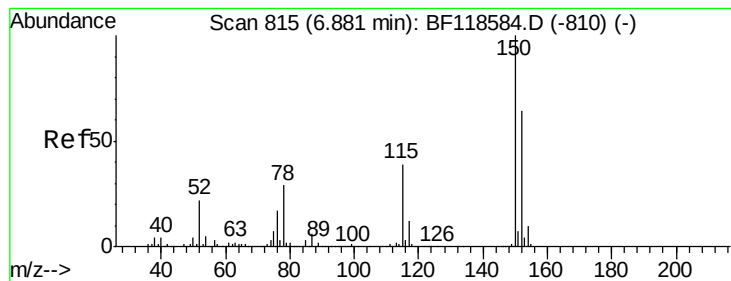
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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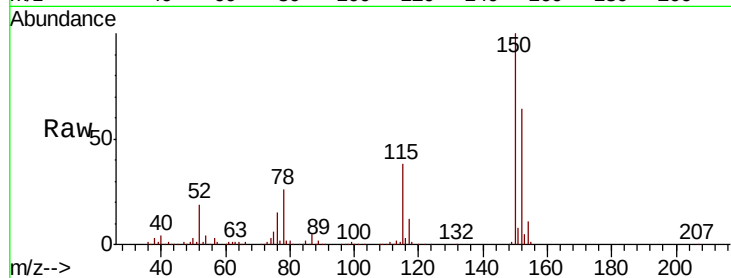


#1

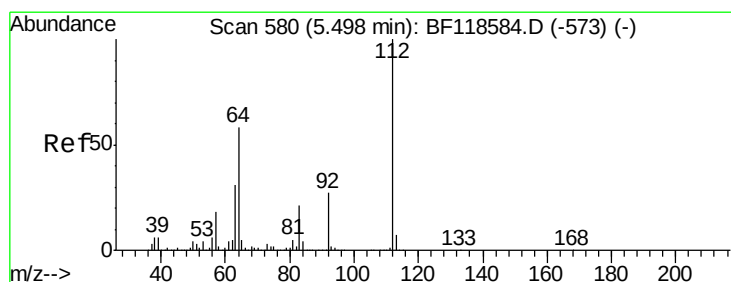
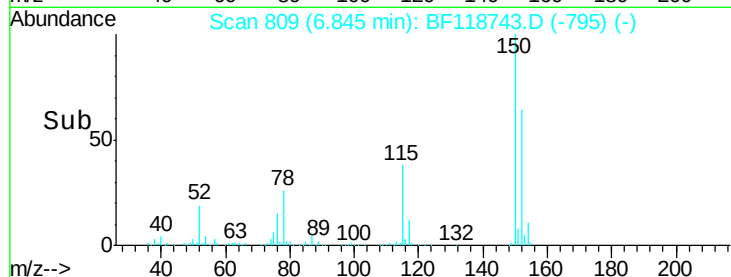
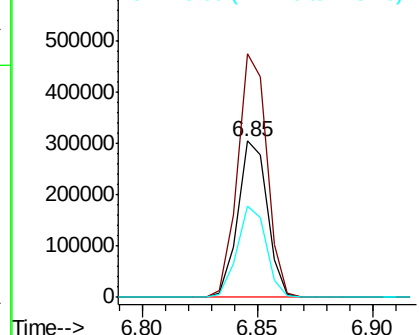
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.02 min
Lab File: BF118743.D
Acq: 29 Jan 2020 20:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	123.7	185.5
115	58.8	45.1	67.7



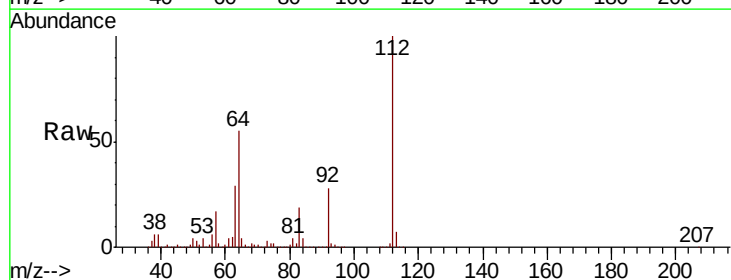
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



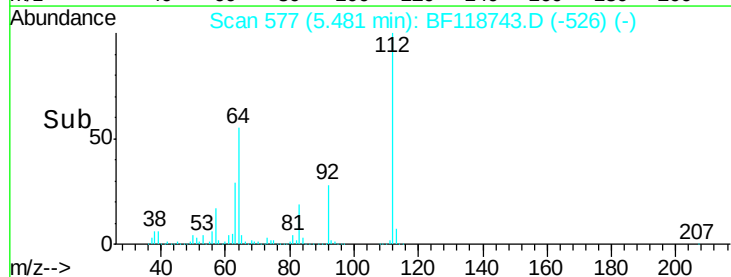
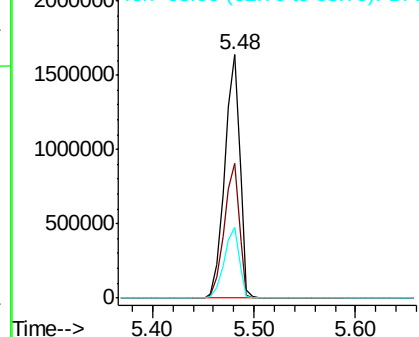
#5

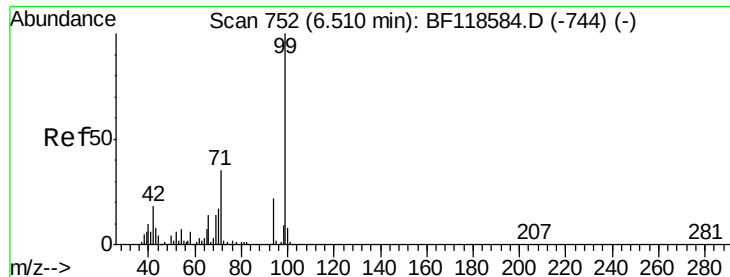
2-Fluorophenol
Concen: 115.980 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.00 min
Lab File: BF118743.D
Acq: 29 Jan 2020 20:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.5	42.4	63.6
63	28.9	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: 96.248 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF118743.D

Acq: 29 Jan 2020 20:39

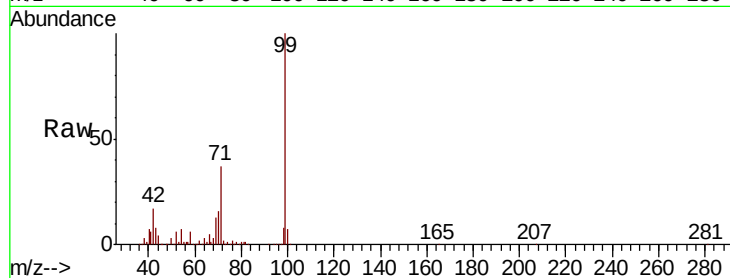
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1822806

Ion	Ratio	Lower	Upper
99	100		
42	17.3	13.1	19.7
71	36.6	28.4	42.6

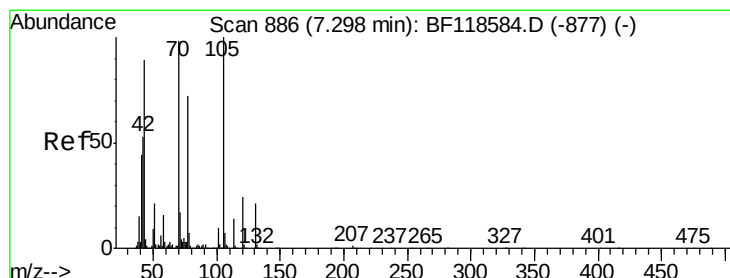
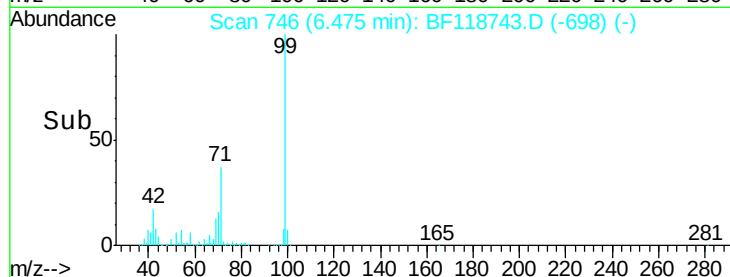
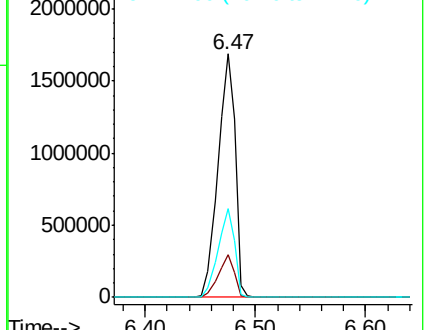


Abundance

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



#19

n-Nitroso-di-n-propylamine

Concen: 15.840 ng

RT: 7.40 min Scan# 904

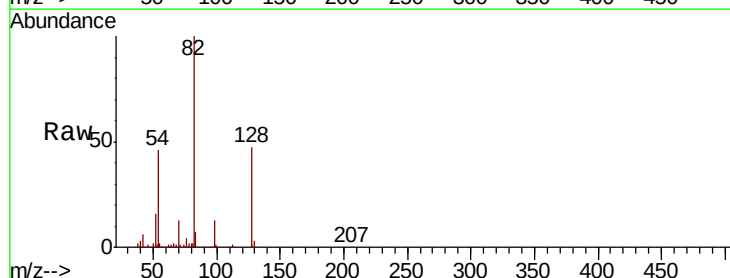
Delta R.T. 0.13 min

Lab File: BF118743.D

Acq: 29 Jan 2020 20:39

Tgt Ion: 70 Resp: 202554

Ion	Ratio	Lower	Upper
70	100		
42	43.6	41.6	62.4
101	0.0	7.9	11.9#
130	2.4	19.0	28.6#



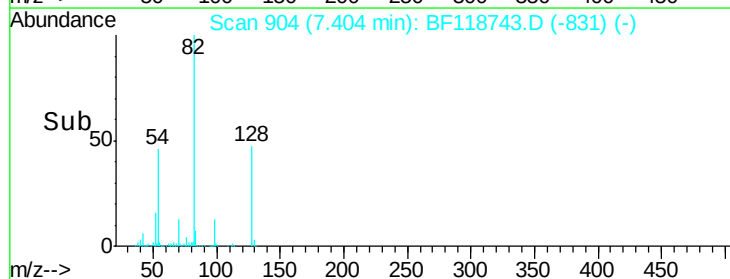
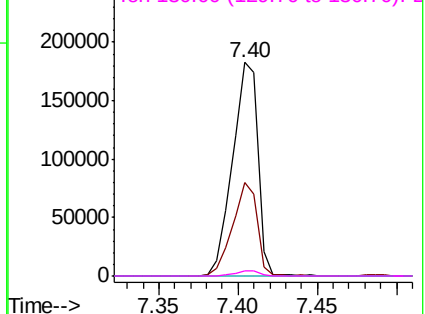
Abundance

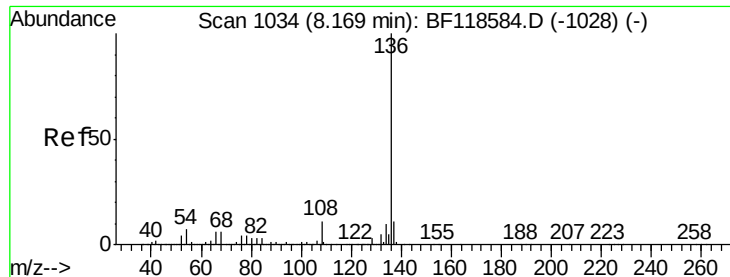
Ion 70.00 (69.70 to 70.70): BF1

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

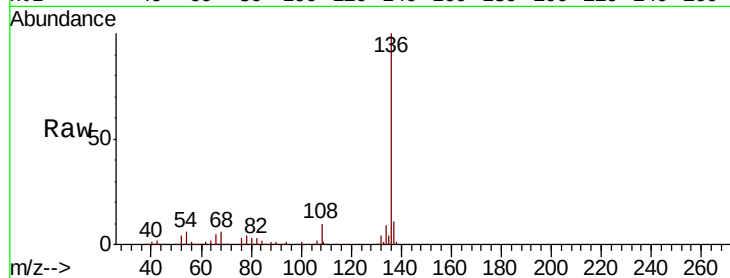




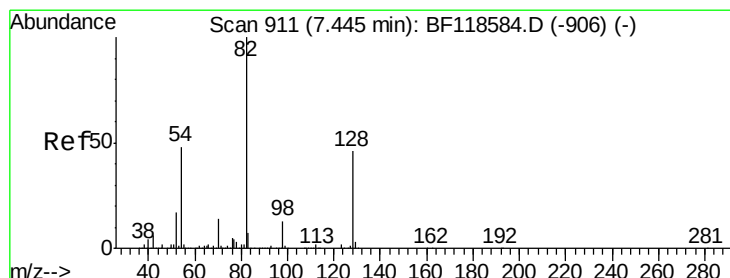
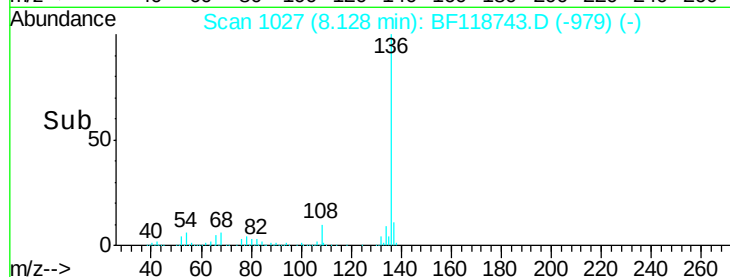
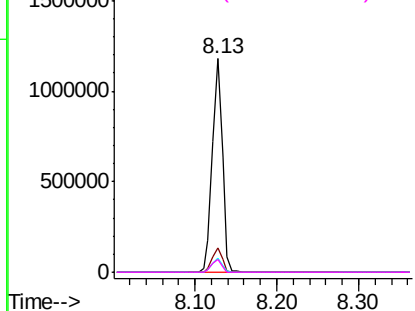
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.02 min
Lab File: BF118743.D
Acq: 29 Jan 2020 20:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp: 1011624
Ion Ratio	Lower Upper
136 100	
137 11.3	8.9 13.3
54 6.3	5.1 7.7
68 5.8	4.3 6.5

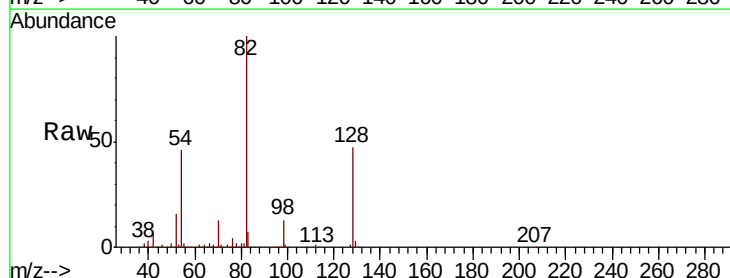


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

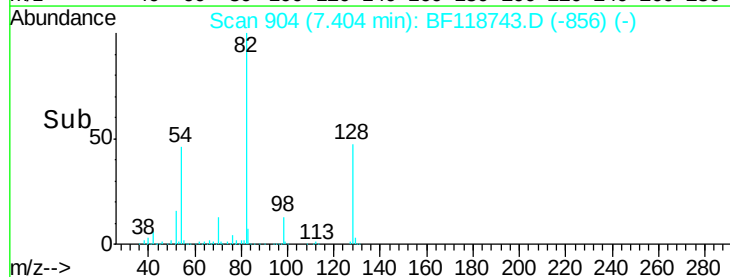
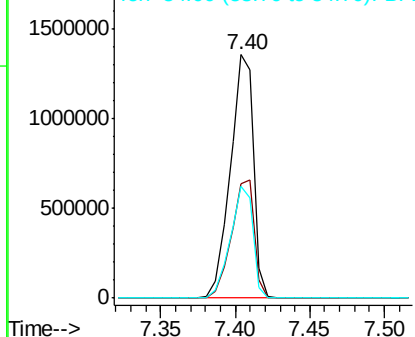


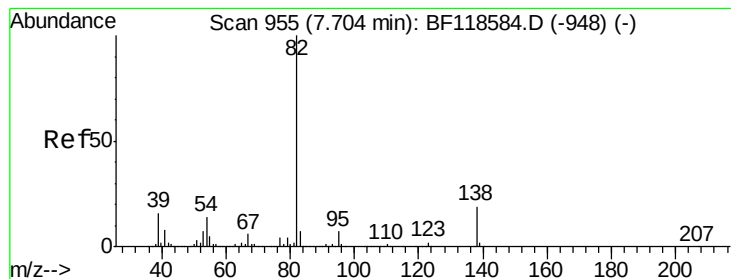
#23
Nitrobenzene-d5
Concen: 81.939 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.02 min
Lab File: BF118743.D
Acq: 29 Jan 2020 20:39

Tgt	Ion: 82	Resp: 1481957	
Ion	Ratio	Lower	Upper
82	100		
128	46.9	38.2	57.2
54	45.8	36.1	54.1



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 44.923 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.28 min

Lab File: BF118743.D

Acq: 29 Jan 2020 20:39

Instrument :

BNA_F

ClientSampleId :

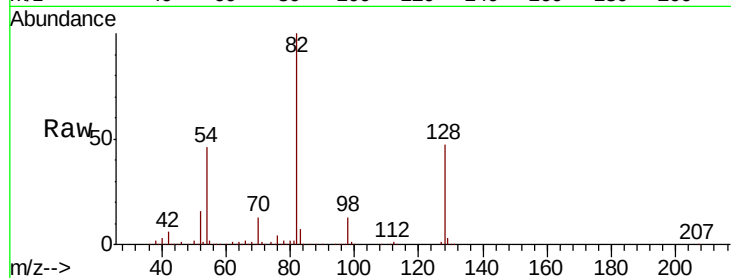
Tot Ion: 82 Resp: 1481926

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

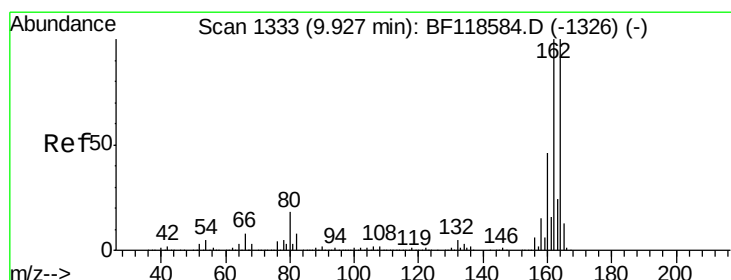
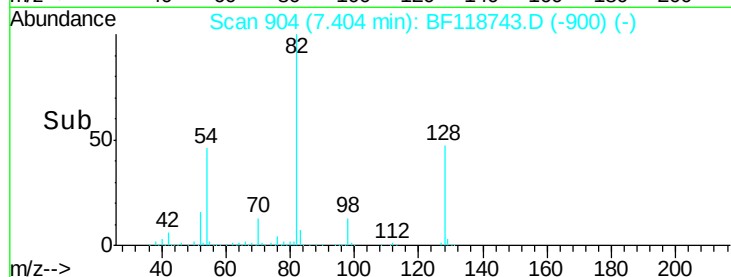
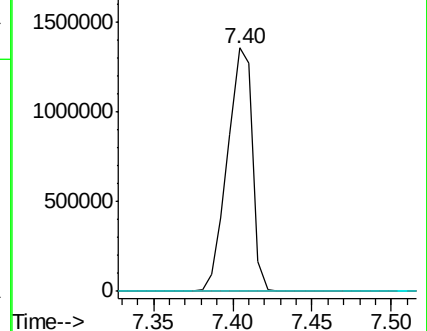
138 0.0 15.8 23.8#



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: 9.88 min Scan# 1325

Delta R.T. -0.02 min

Lab File: BF118743.D

Acq: 29 Jan 2020 20:39

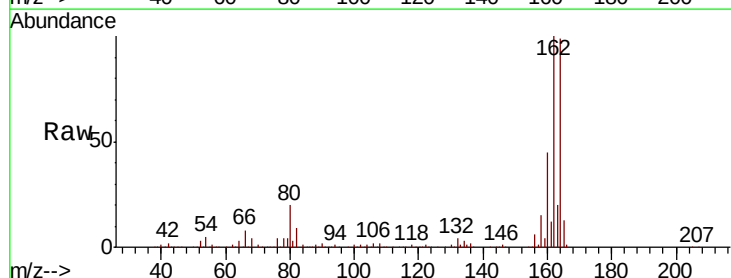
Tgt Ion: 164 Resp: 550624

Ion Ratio Lower Upper

164 100

162 100.6 80.8 121.2

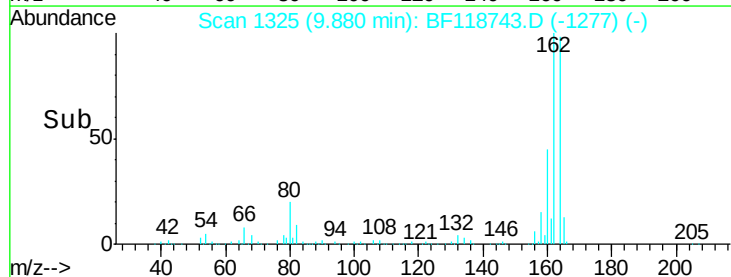
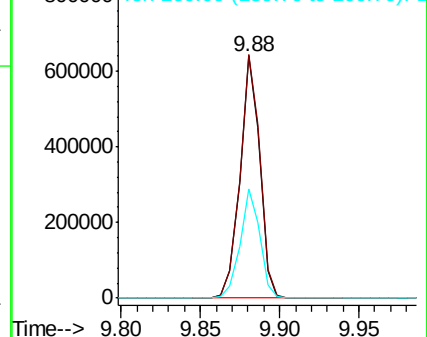
160 44.9 35.4 53.0

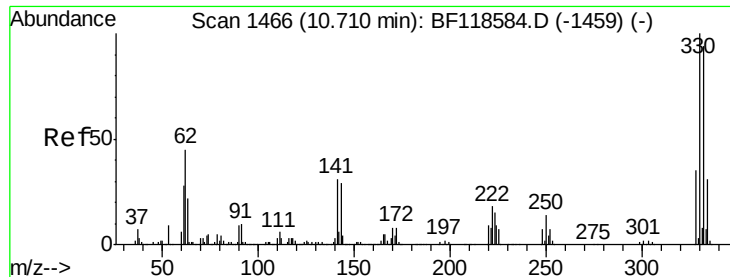


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

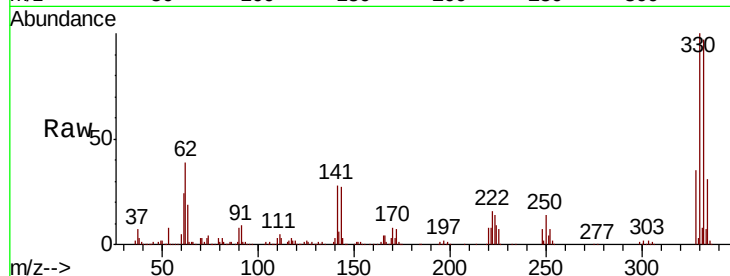




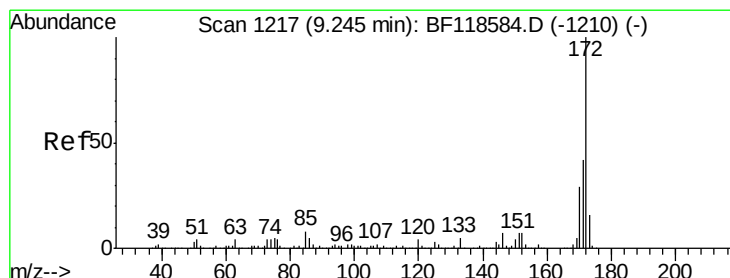
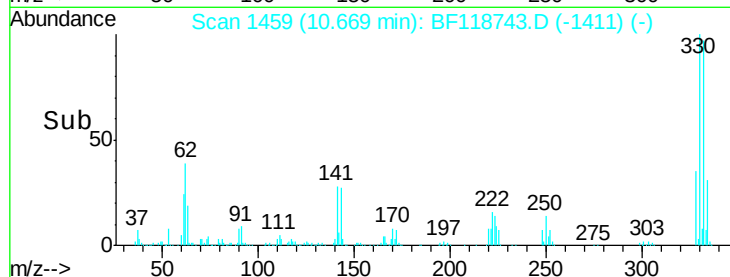
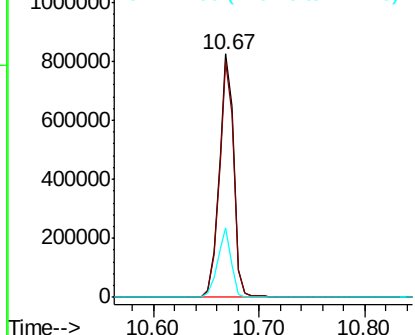
#42
 2,4,6-Tribromophenol
 Concen: 126.060 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.02 min
 Lab File: BF118743.D
 Acq: 29 Jan 2020 20:39

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 802832
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.6 116.4
 141 27.1 22.2 33.2

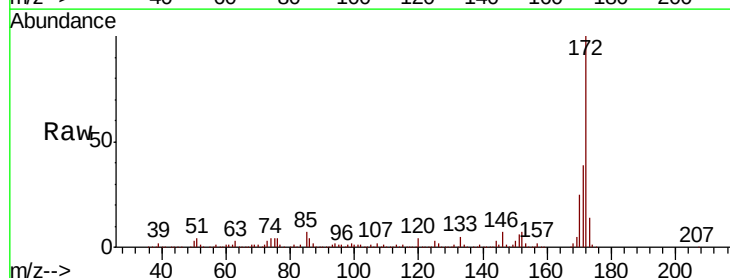


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

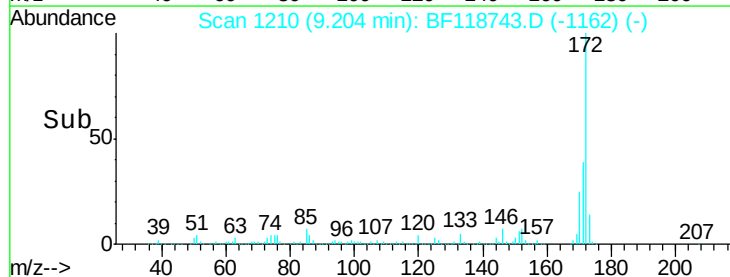
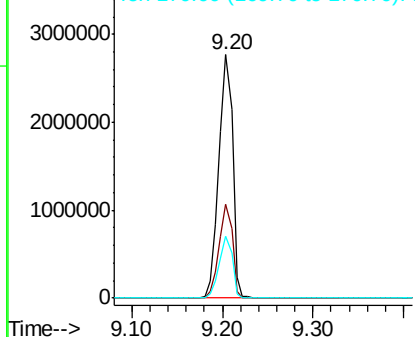


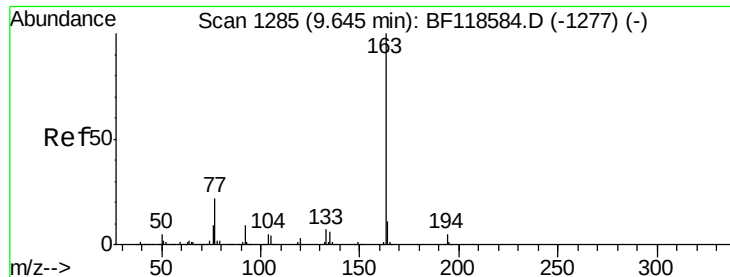
#45
 2-Fluorobiphenyl
 Concen: 86.164 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.02 min
 Lab File: BF118743.D
 Acq: 29 Jan 2020 20:39

Tgt Ion:172 Resp: 2886548
 Ion Ratio Lower Upper
 172 100
 171 38.7 31.0 46.4
 170 25.2 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

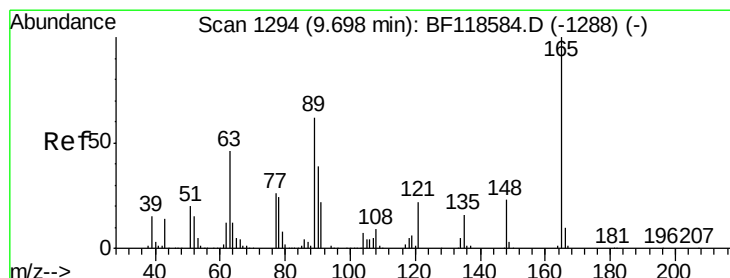
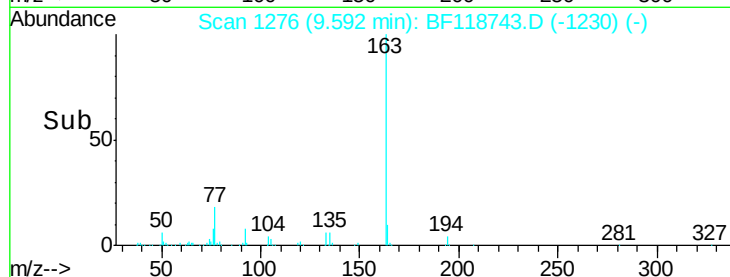
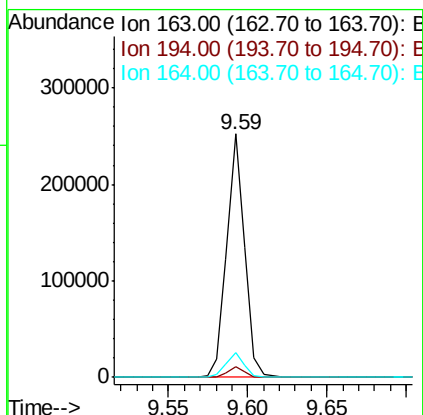
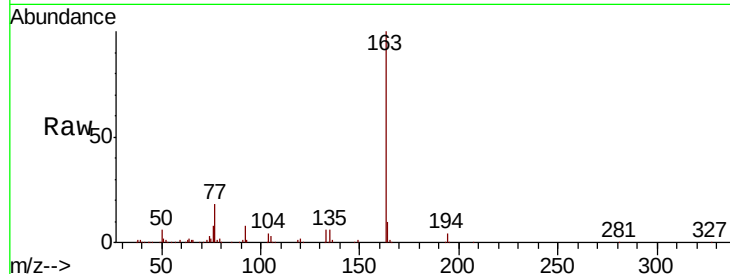




#50
Dimethylphthalate
Concen: 5.485 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.03 min
Lab File: BF118743.D
Acq: 29 Jan 2020 20:39

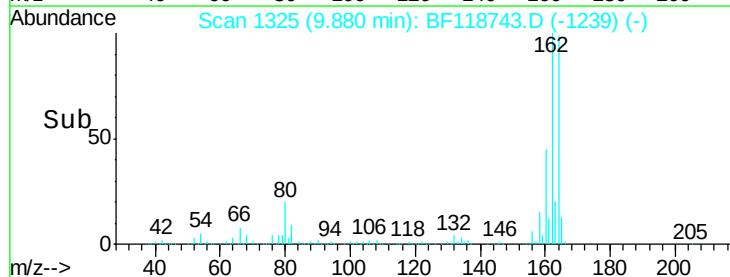
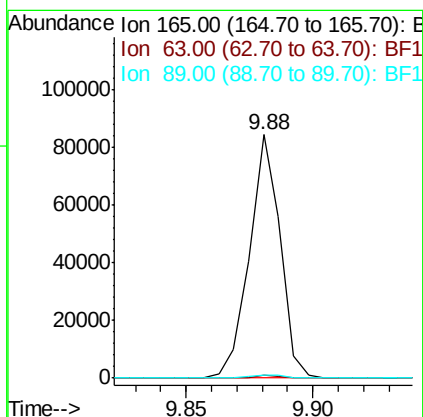
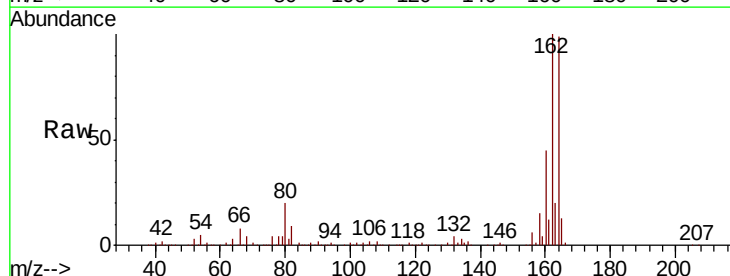
Instrument :
BNA_F
ClientSampleId :

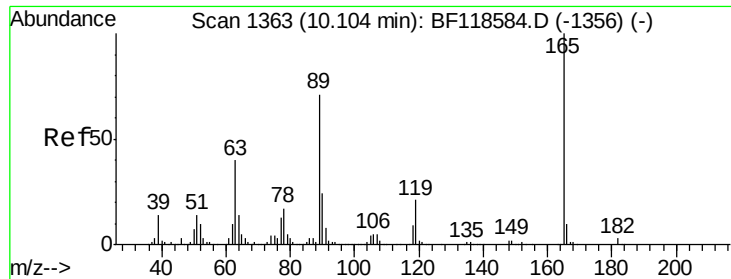
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.7	5.5
164	10.0	8.2	12.2



#51
2,6-Dinitrotoluene
Concen: 8.851 ng
RT: 9.88 min Scan# 1325
Delta R.T. 0.21 min
Lab File: BF118743.D
Acq: 29 Jan 2020 20:39

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	39.8	59.6#
89	1.4	41.4	62.2#

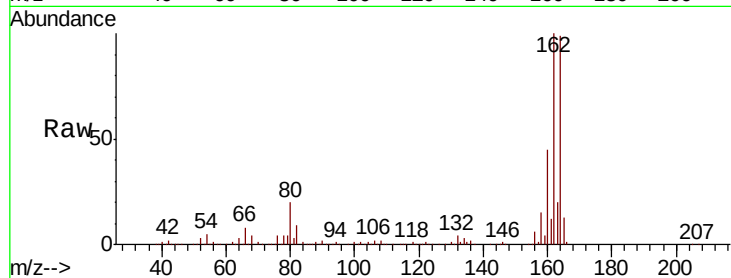




#57
 2,4-Dinitrotoluene
 Concen: 7.021 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.20 min
 Lab File: BF118743.D
 Acq: 29 Jan 2020 20:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	28.5	42.7#
89	1.4	50.4	75.6#
182	0.0	2.3	3.5#

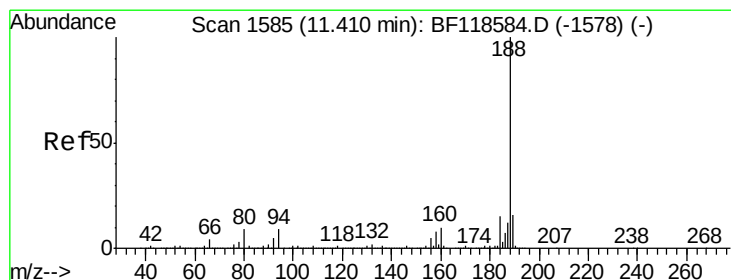
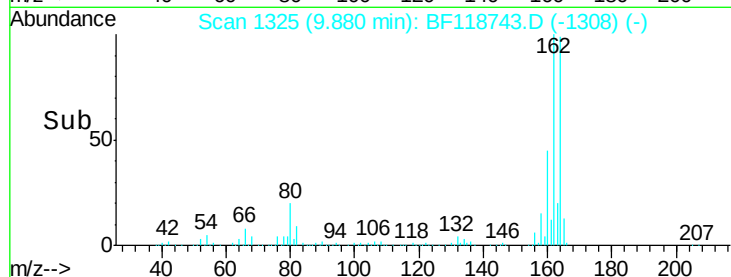
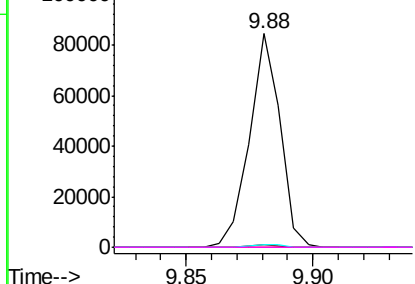


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

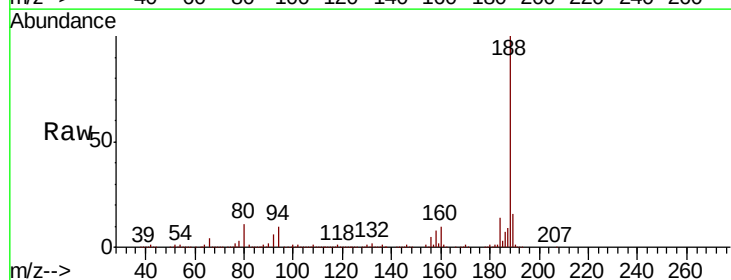
Ion 89.00 (88.70 to 89.70): BF1

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: BF118743.D
 Acq: 29 Jan 2020 20:39

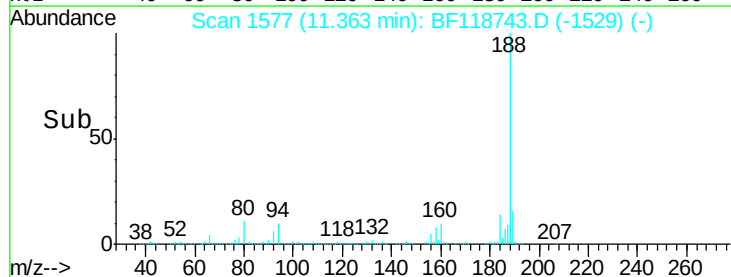
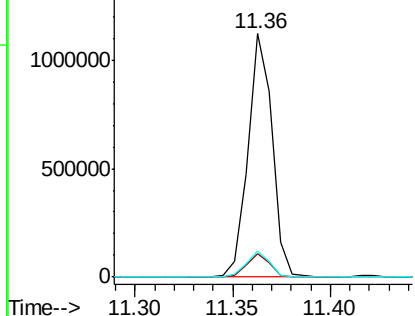
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.4	11.2
80	10.7	7.8	11.8

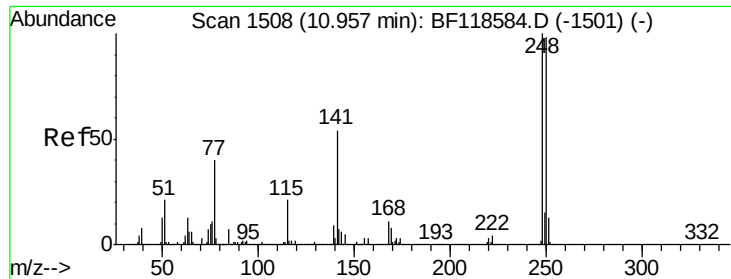


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

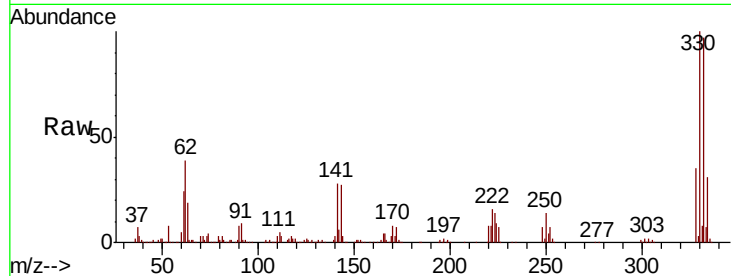




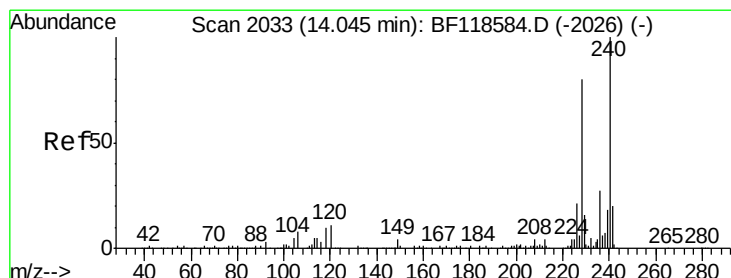
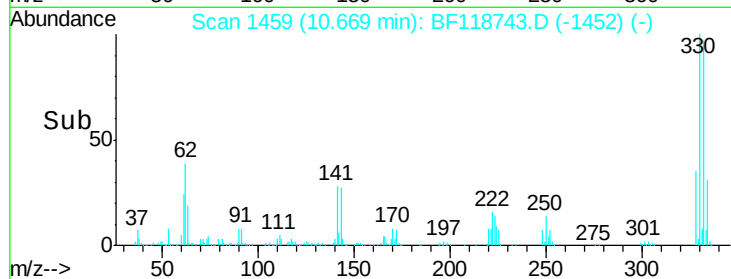
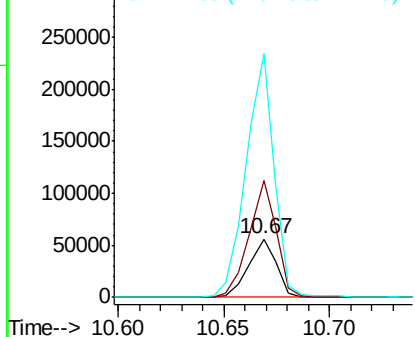
#67
 4-Bromophenyl-phenylether
 Concen: 4.356 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.26 min
 Lab File: BF118743.D
 Acq: 29 Jan 2020 20:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 51693
 Ion Ratio Lower Upper
 248 100
 250 200.3 78.7 118.1#
 141 417.7 48.4 72.6#

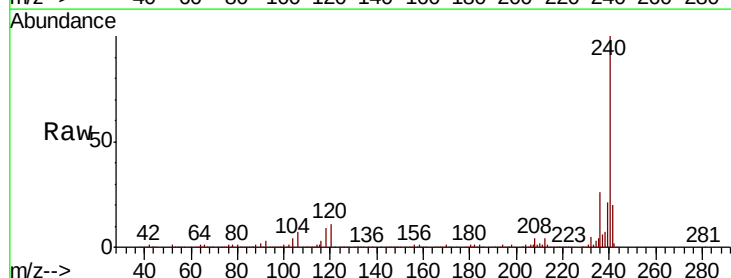


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

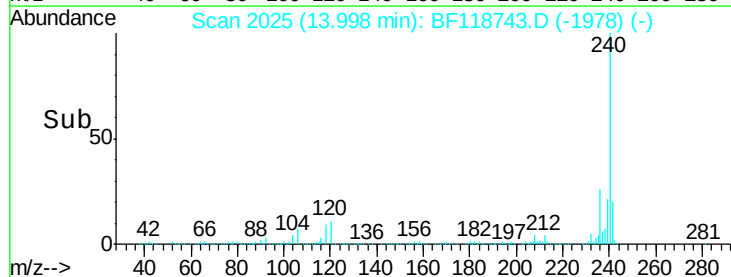
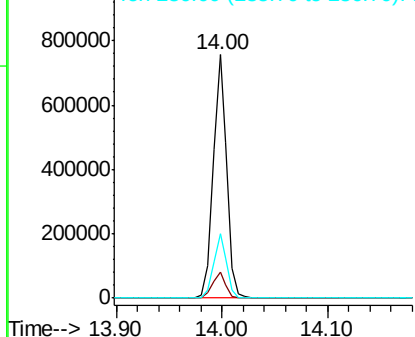


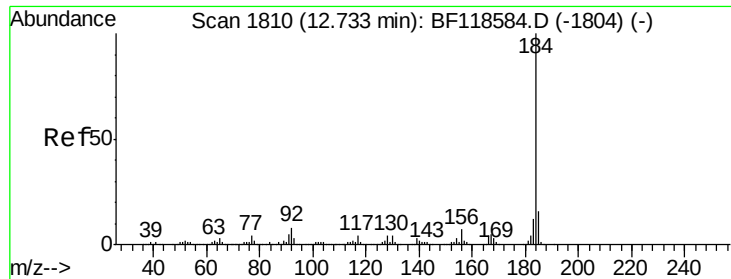
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.02 min
 Lab File: BF118743.D
 Acq: 29 Jan 2020 20:39

Tgt Ion:240 Resp: 680305
 Ion Ratio Lower Upper
 240 100
 120 10.8 7.6 11.4
 236 26.4 21.0 31.4



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: 2.153 ng

RT: 12.95 min Scan# 1847

Delta R.T. 0.24 min

Lab File: BF118743.D

Acq: 29 Jan 2020 20:39

Instrument :

BNA_F

ClientSampleId :

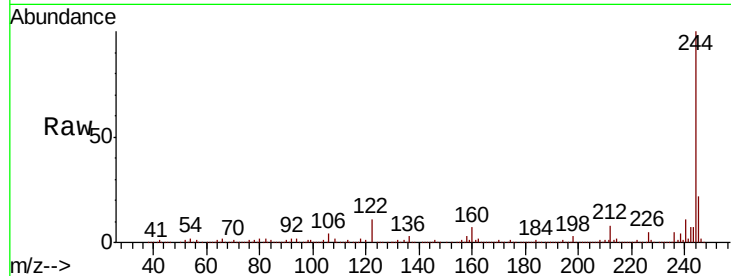
Tot Ion:184 Resp: 39130

Ion Ratio Lower Upper

184 100

185 17.0 11.8 17.8

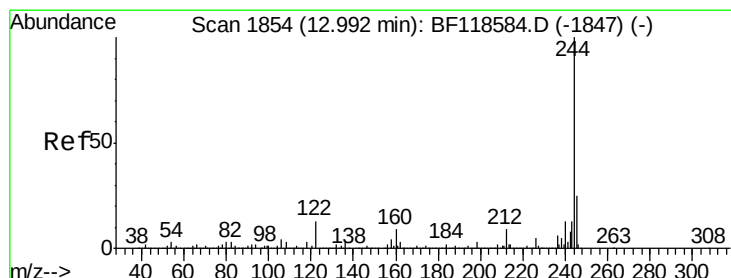
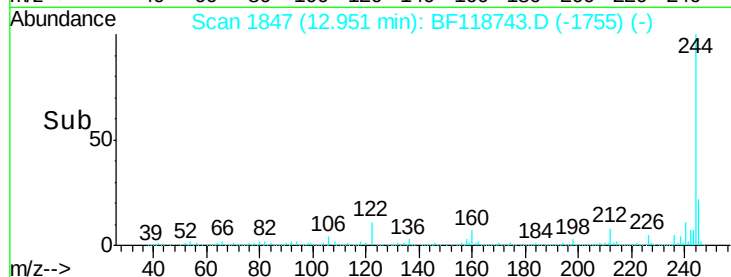
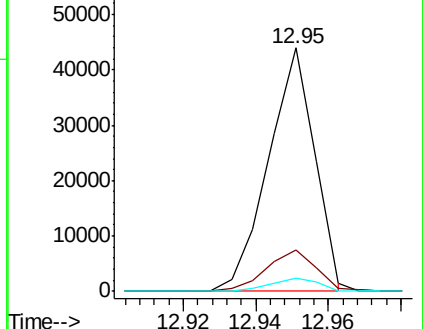
183 5.4 9.7 14.5#



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: 98.969 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF118743.D

Acq: 29 Jan 2020 20:39

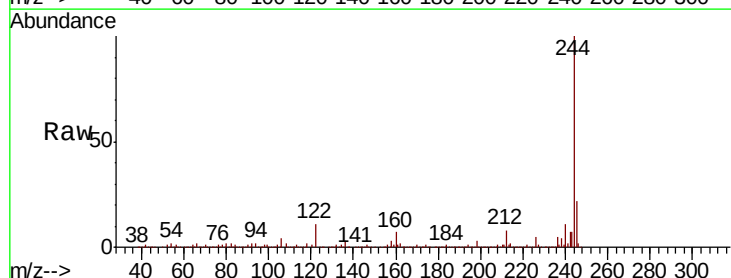
Tgt Ion:244 Resp: 3086950

Ion Ratio Lower Upper

244 100

212 7.8 6.3 9.5

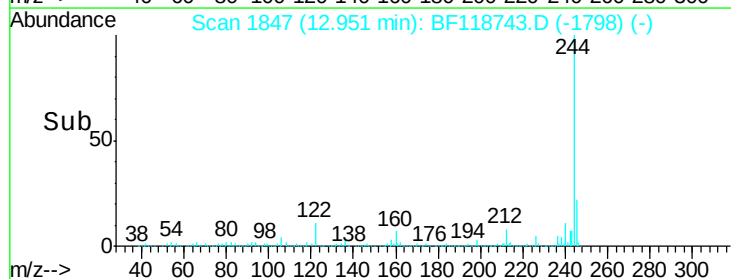
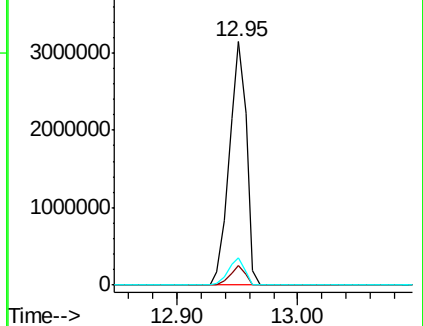
122 11.2 9.2 13.8

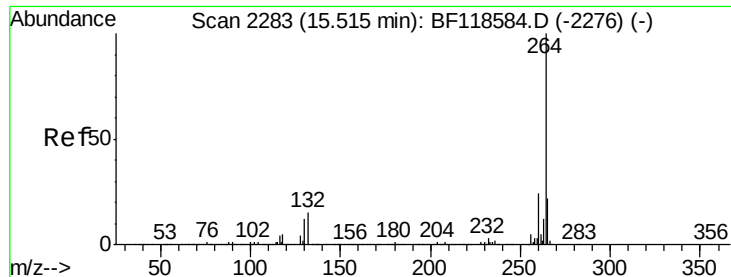


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

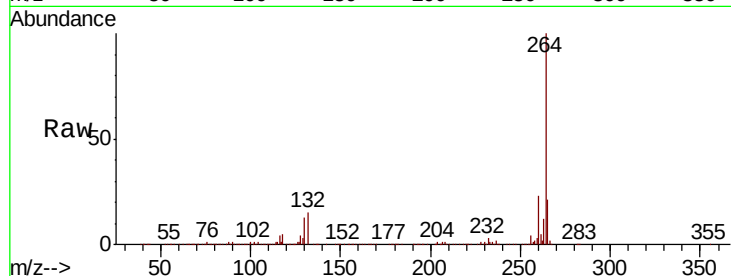




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.02 min
Lab File: BF118743.D
Acq: 29 Jan 2020 20:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	28.0
265	21.4	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

