

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021320\
 Data File : BF118928.D
 Acq On : 13 Feb 2020 19:26
 Operator : CG/JU
 Sample : L1509-12
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 14 00:37:59 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

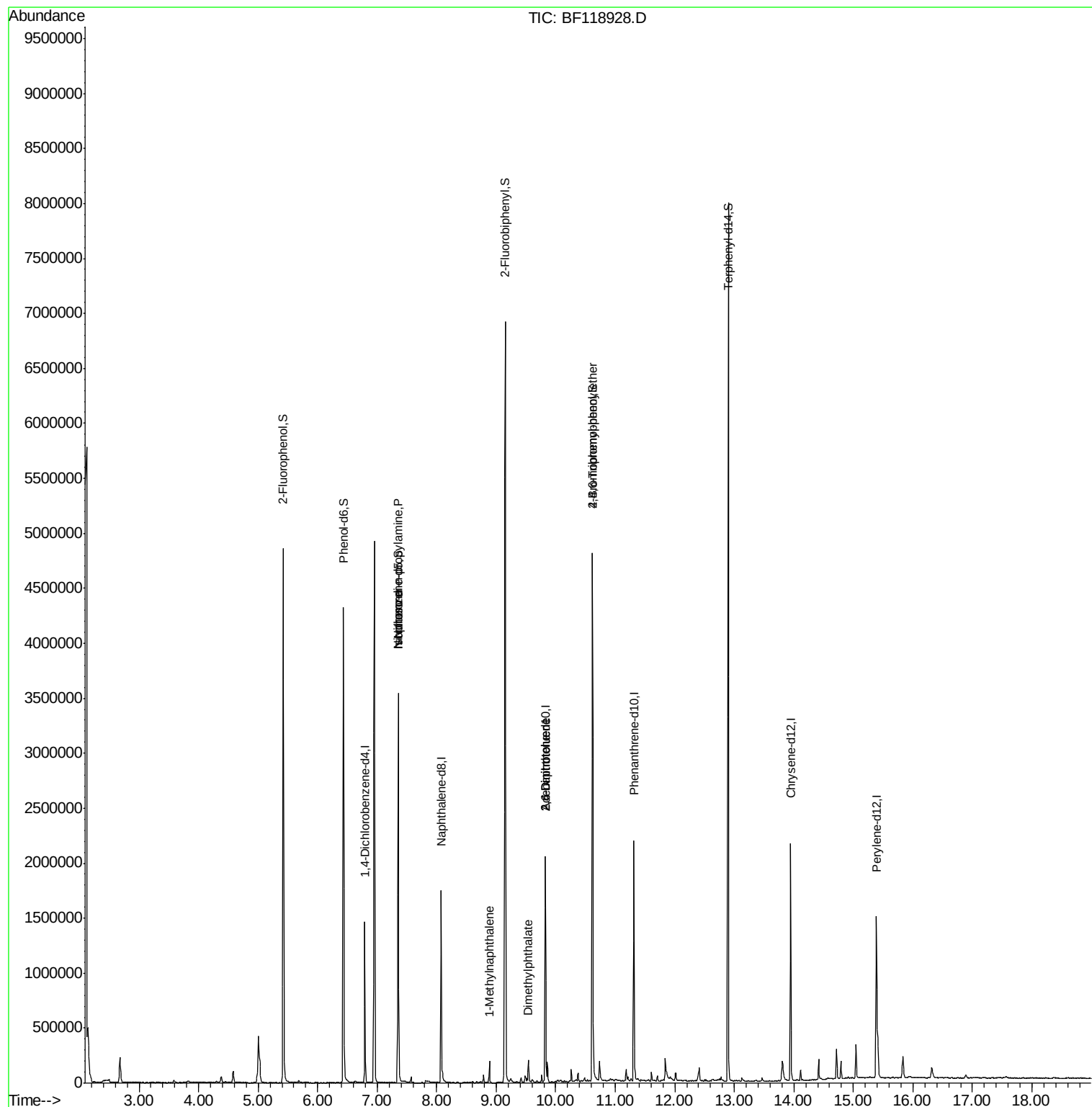
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	214917	20.00	ng	-0.02
21) Naphthalene-d8	8.07	136	798834	20.00	ng	-0.03
39) Acenaphthene-d10	9.83	164	435490	20.00	ng	-0.03
64) Phenanthrene-d10	11.31	188	818194	20.00	ng	-0.03
76) Chrysene-d12	13.94	240	770441	20.00	ng	-0.04
87) Perylene-d12	15.39	264	763972	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1441909	127.00	ng	-0.01
7) Phenol-d6	6.43	99	1627492	115.47	ng	-0.02
23) Nitrobenzene-d5	7.36	82	1267950	94.61	ng	-0.02
42) 2,4,6-Tribromophenol	10.62	330	671660	128.90	ng	-0.03
45) 2-Fluorobiphenyl	9.15	172	2348517	96.41	ng	-0.03
79) Terphenyl-d14	12.90	244	3028102	80.73	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.35	77	404	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.36	70	171626	19.902 ng	#	75
25) Isophorone	7.36	82	1267941	52.641 ng	#	63
38) 1-Methylnaphthalene	8.89	142	54772	2.298 ng		97
50) Dimethylphthalate	9.54	163	89021	3.002 ng		98
51) 2,6-Dinitrotoluene	9.83	165	57512	8.477 ng	#	30
57) 2,4-Dinitrotoluene	9.83	165	57512	6.405 ng	#	34
67) 4-Bromophenyl-phenylether	10.62	248	42652	4.407 ng	#	1

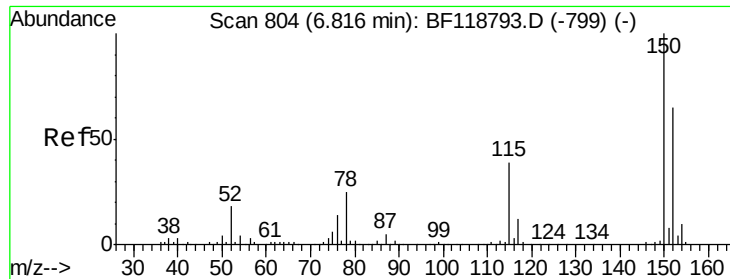
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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



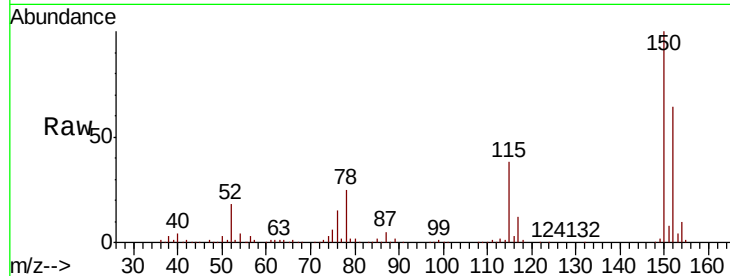


#1

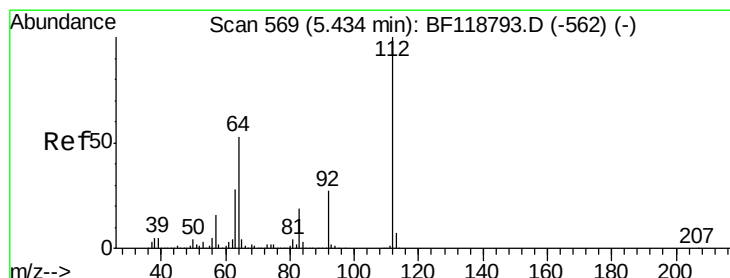
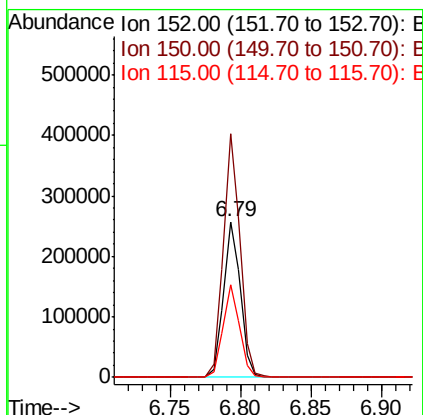
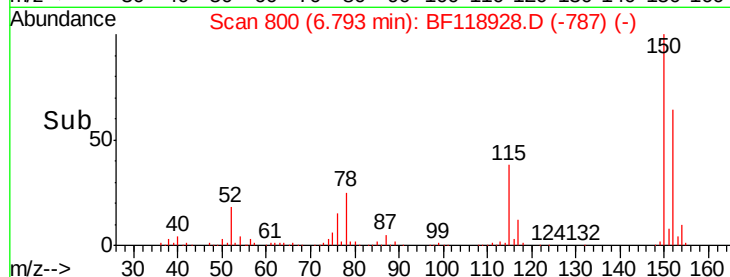
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. -0.02 min
 Lab File: BF118928.D
 Acq: 13 Feb 2020 19:26

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 214917
 Ion Ratio Lower Upper
 152 100
 150 156.4 123.6 185.4
 115 59.5 48.2 72.2



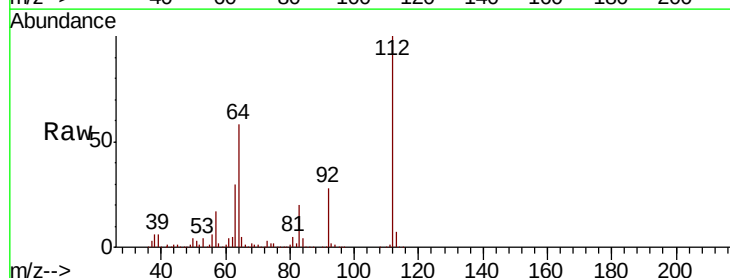
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



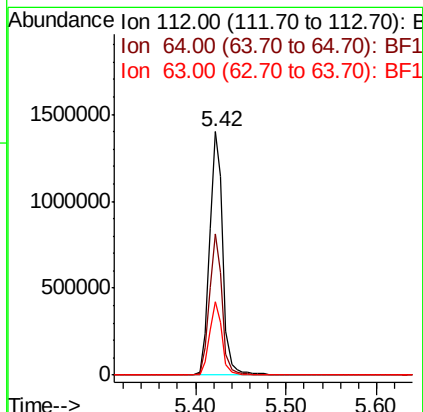
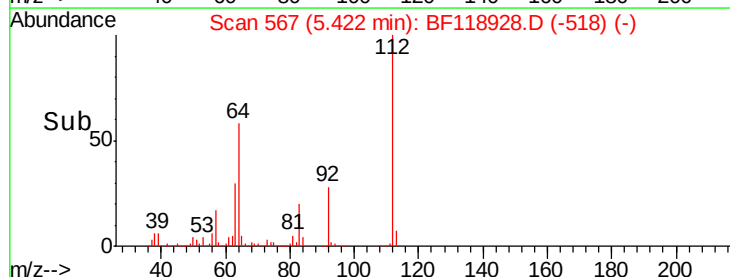
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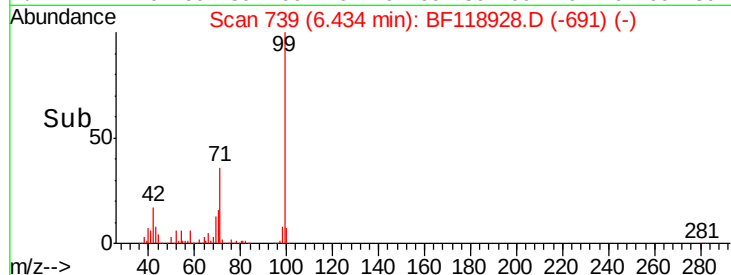
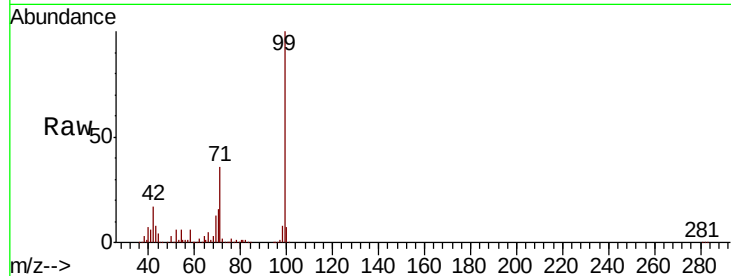
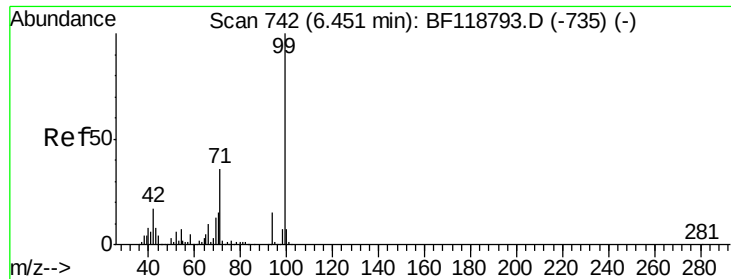
2-Fluorophenol
 Concen: 126.999 ng
 RT: 5.42 min Scan# 567
 Delta R.T. -0.01 min
 Lab File: BF118928.D
 Acq: 13 Feb 2020 19:26

Tgt Ion:112 Resp: 1441909
 Ion Ratio Lower Upper
 112 100
 64 57.8 42.6 63.8
 63 30.2 22.2 33.4



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: 115.475 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.02 min

Lab File: BF118928.D

Acq: 13 Feb 2020 19:26

Instrument :

BNA_F

ClientSampleId :

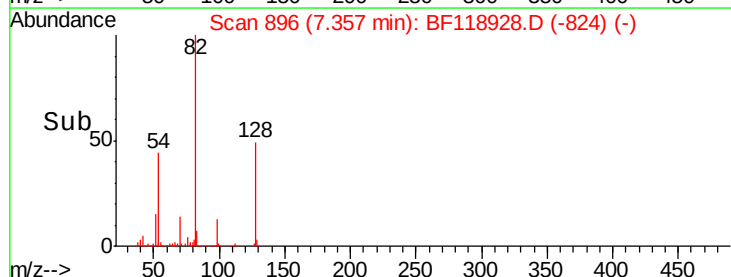
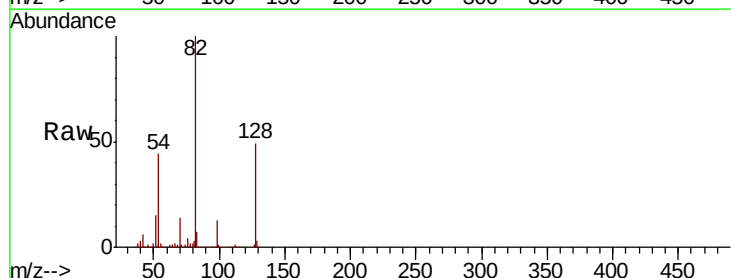
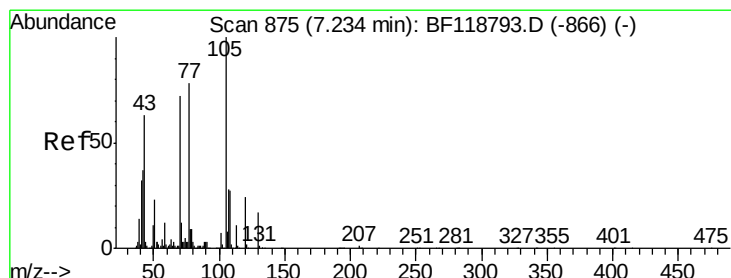
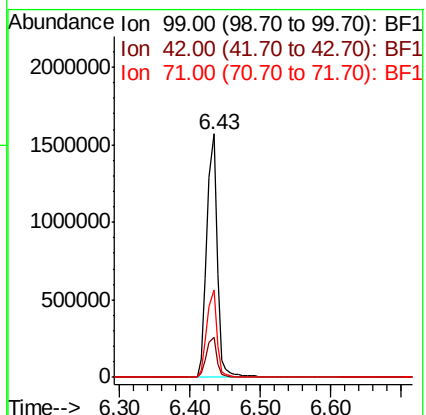
Tot Ion: 99 Resp: 1627492

Ion Ratio Lower Upper

99 100

42 16.5 13.4 20.0

71 35.8 29.0 43.6



#19

n-Nitroso-di-n-propylamine

Concen: 19.902 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.12 min

Lab File: BF118928.D

Acq: 13 Feb 2020 19:26

Tgt Ion: 70 Resp: 171626

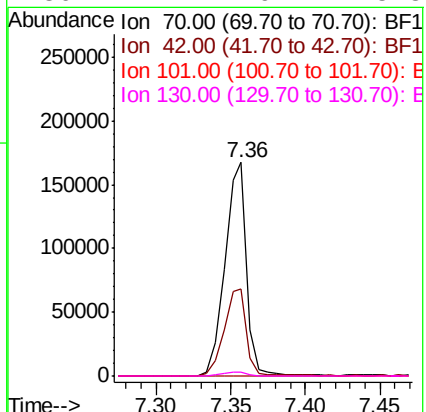
Ion Ratio Lower Upper

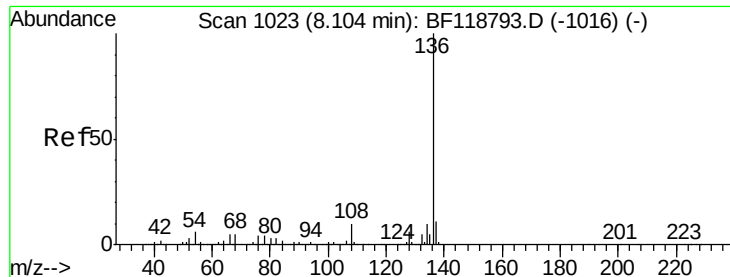
70 100

42 40.6 41.5 62.3#

101 0.0 8.3 12.5#

130 2.1 19.2 28.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.03 min

Lab File: BF118928.D

Acq: 13 Feb 2020 19:26

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 798834

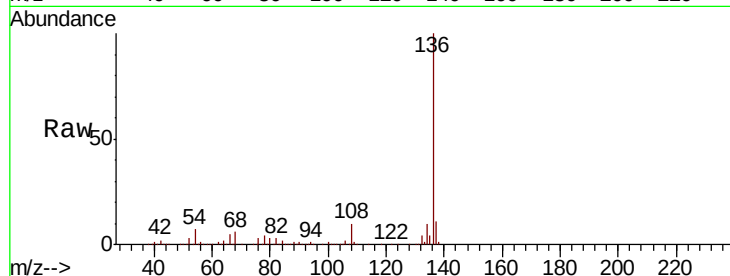
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 6.5 5.0 7.6

68 5.8 4.2 6.4

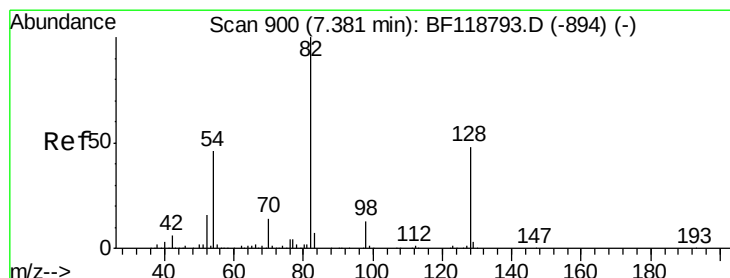
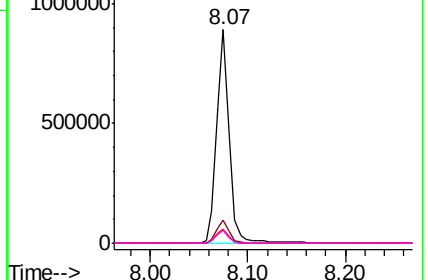
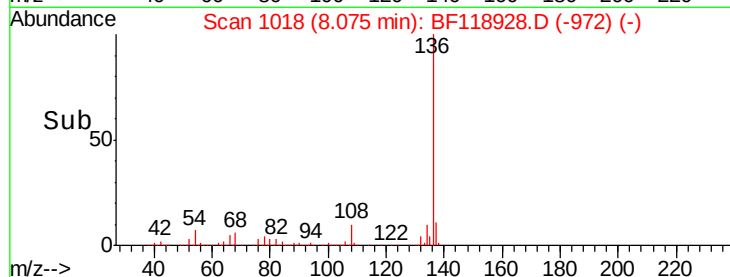


Abundance Ion 136.00 (135.70 to 136.70): E

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: 94.608 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.02 min

Lab File: BF118928.D

Acq: 13 Feb 2020 19:26

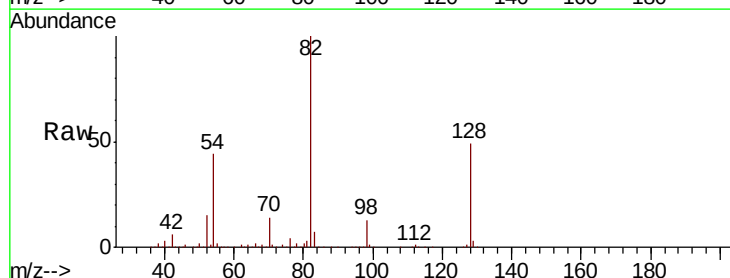
Tgt Ion: 82 Resp: 1267950

Ion Ratio Lower Upper

82 100

128 48.9 38.5 57.7

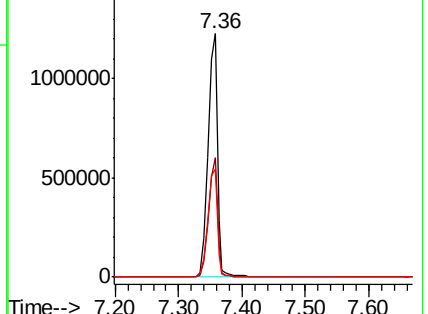
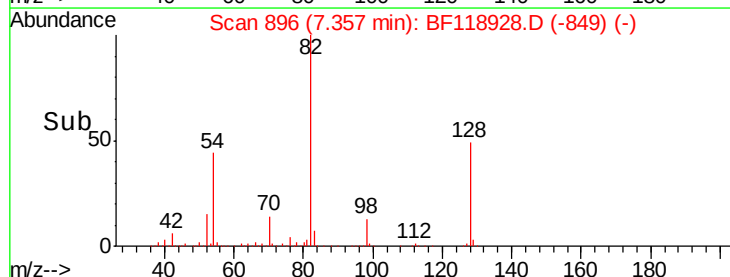
54 44.3 36.7 55.1

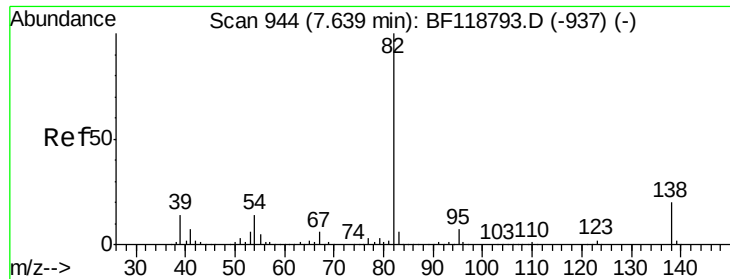


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 52.641 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.28 min

Lab File: BF118928.D

Acq: 13 Feb 2020 19:26

Instrument :

BNA_F

ClientSampleId :

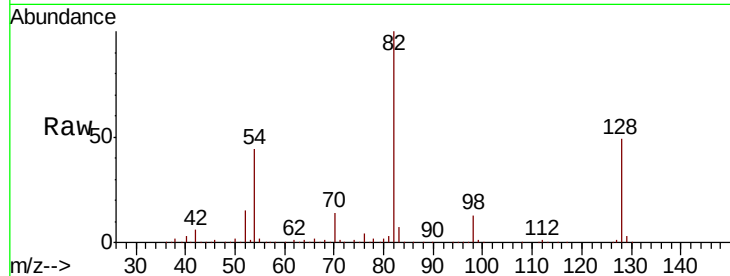
Tot Ion: 82 Resp: 1267941

Ion Ratio Lower Upper

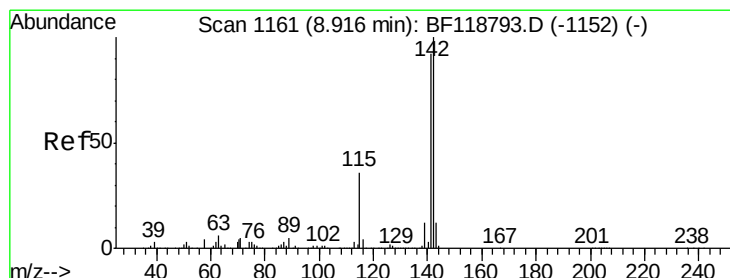
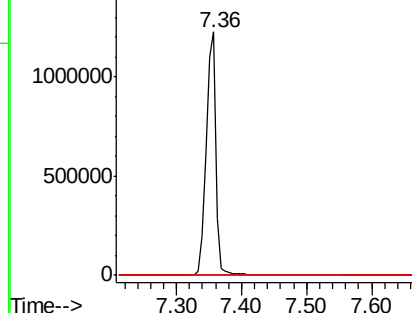
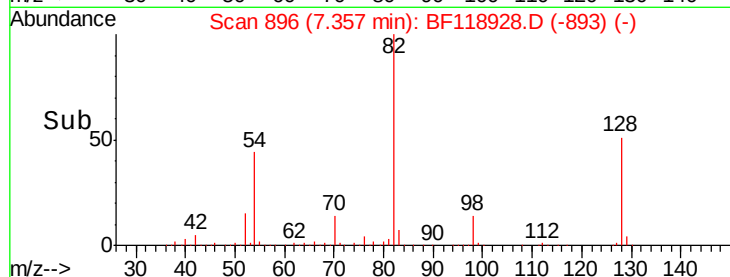
82 100

95 0.0 6.0 9.0#

138 0.0 15.7 23.5#



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



#38

1-Methylnaphthalene

Concen: 2.298 ng

RT: 8.89 min Scan# 1156

Delta R.T. -0.03 min

Lab File: BF118928.D

Acq: 13 Feb 2020 19:26

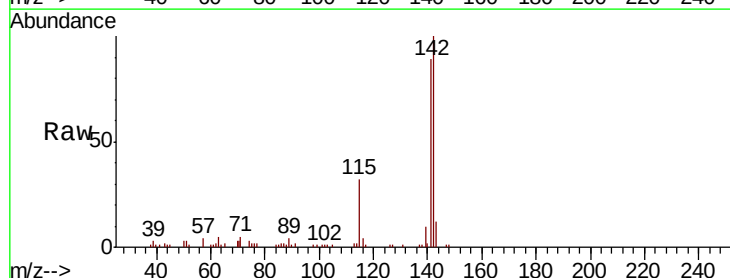
Tgt Ion: 142 Resp: 54772

Ion Ratio Lower Upper

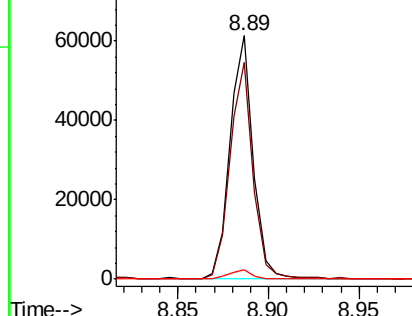
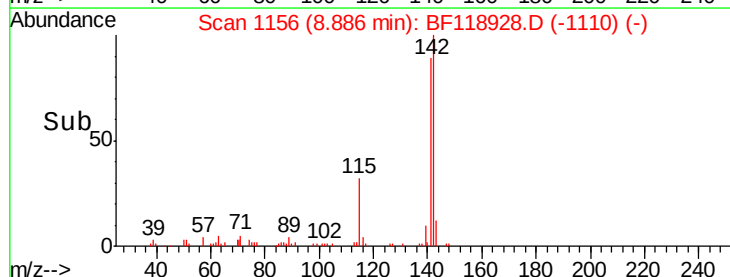
142 100

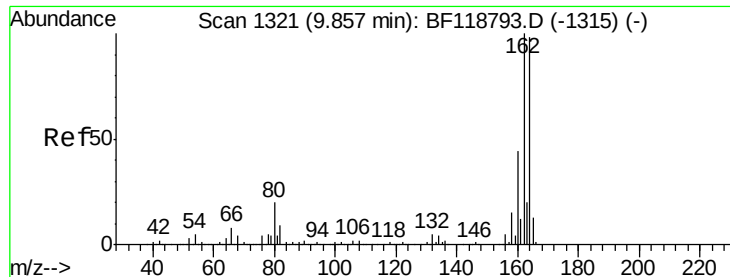
141 89.1 73.8 110.6

116 3.9 3.0 4.4



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

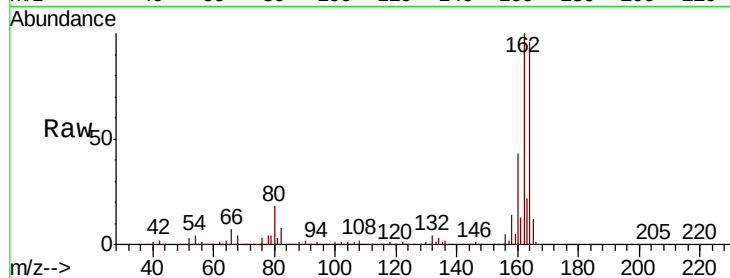




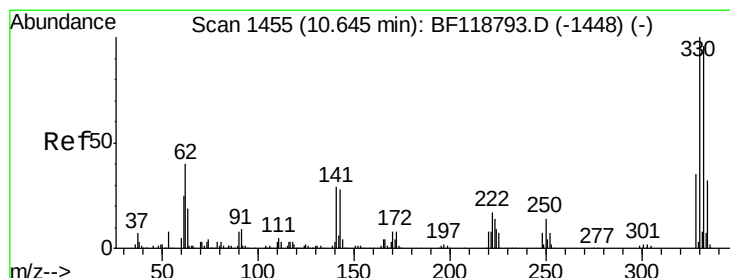
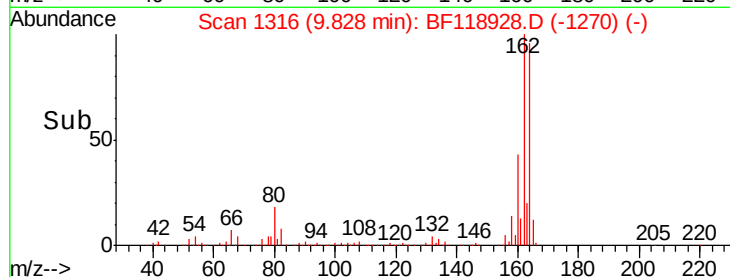
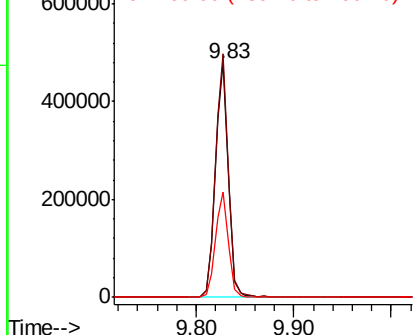
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.03 min
Lab File: BF118928.D
Acq: 13 Feb 2020 19:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 435490
Ion Ratio Lower Upper
164 100
162 103.9 81.4 122.2
160 45.1 35.6 53.4

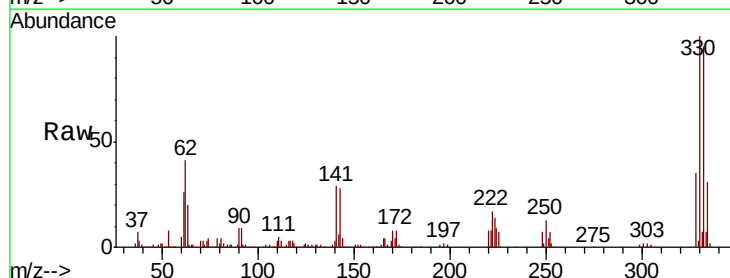


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

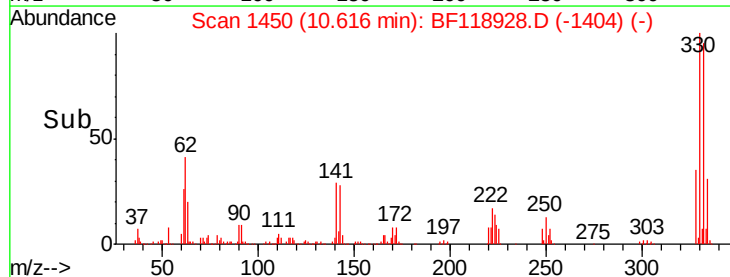
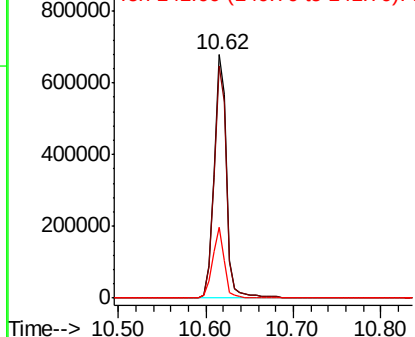


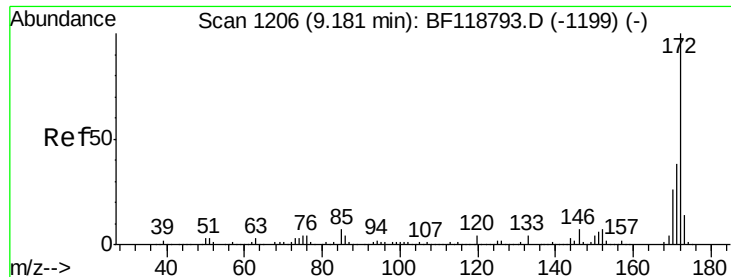
#42
2,4,6-Tribromophenol
Concen: 128.899 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.03 min
Lab File: BF118928.D
Acq: 13 Feb 2020 19:26

Tgt Ion:330 Resp: 671660
Ion Ratio Lower Upper
330 100
332 96.7 77.3 115.9
141 27.9 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

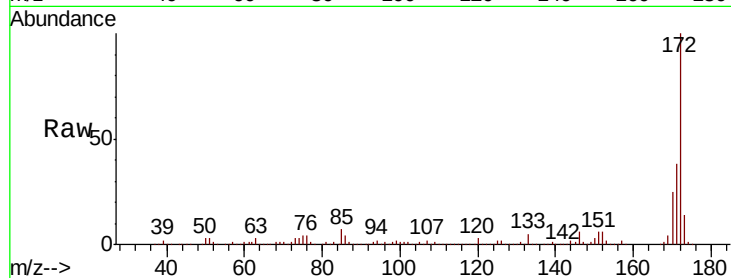




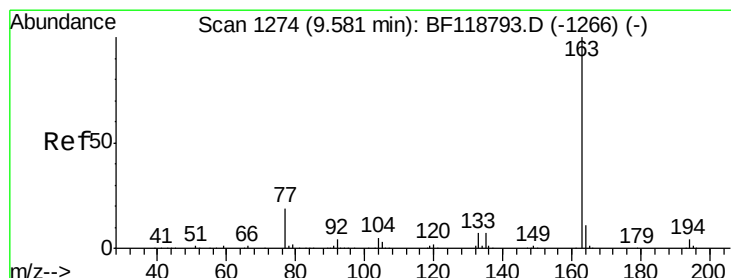
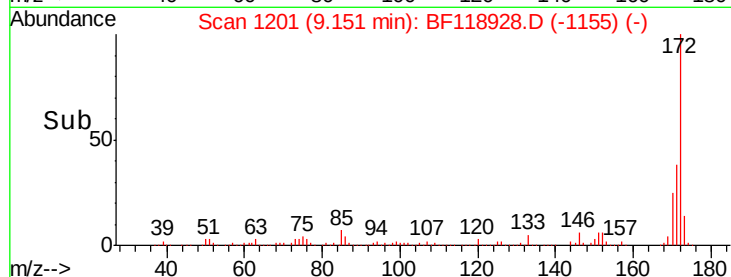
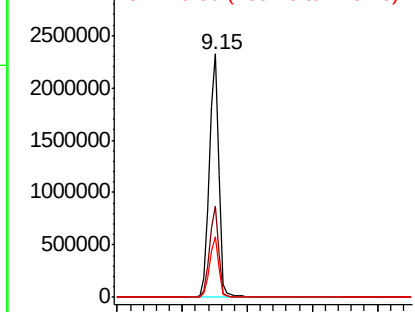
#45
2-Fluorobiphenyl
Concen: 96.407 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.03 min
Lab File: BF118928.D
Acq: 13 Feb 2020 19:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 2348517
Ion Ratio Lower Upper
172 100
171 37.6 30.8 46.2
170 25.1 20.5 30.7

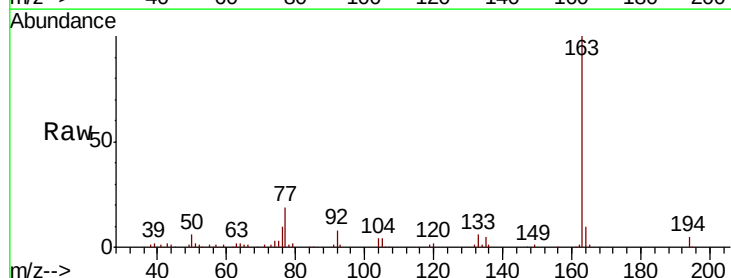


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

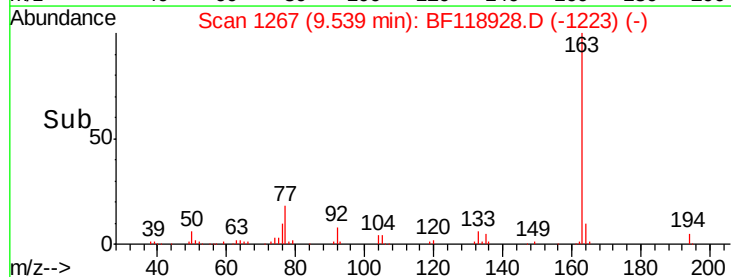
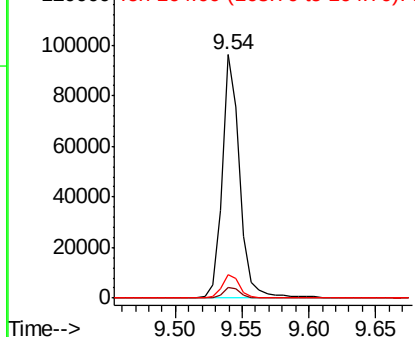


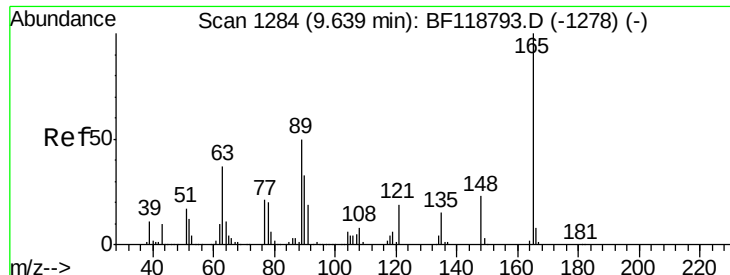
#50
Dimethylphthalate
Concen: 3.002 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.04 min
Lab File: BF118928.D
Acq: 13 Feb 2020 19:26

Tgt Ion:163 Resp: 89021
Ion Ratio Lower Upper
163 100
194 4.5 3.6 5.4
164 9.8 8.7 13.1



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

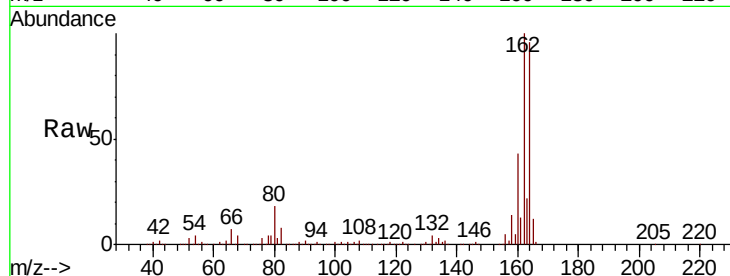




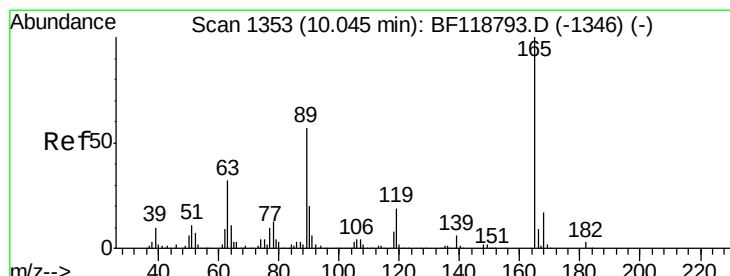
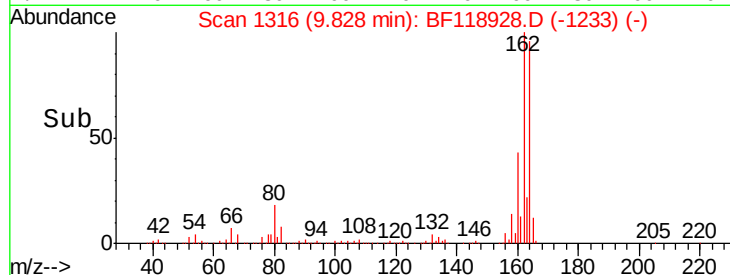
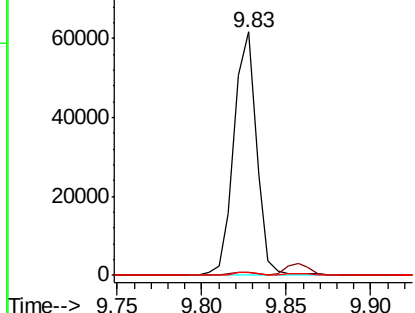
#51
 2,6-Dinitrotoluene
 Concen: 8.477 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. 0.19 min
 Lab File: BF118928.D
 Acq: 13 Feb 2020 19:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	37.4	56.0#
89	1.3	39.7	59.5#



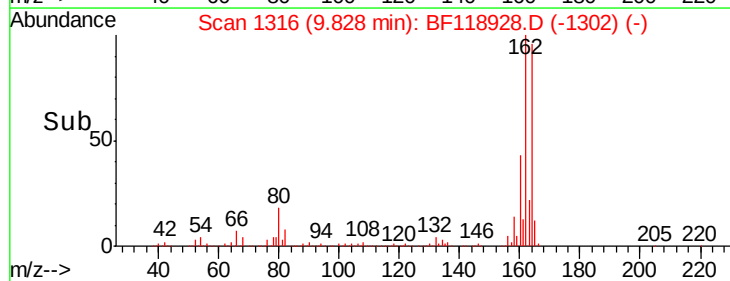
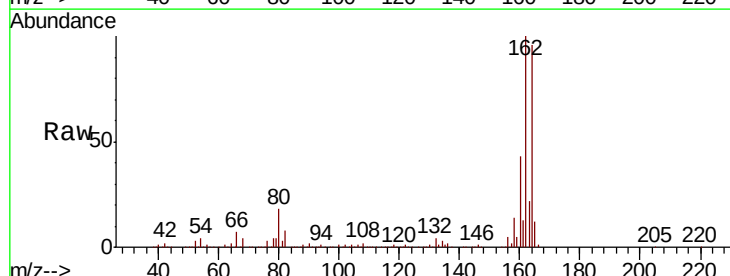
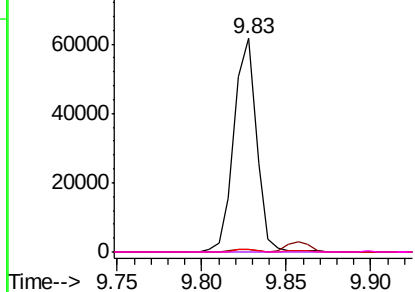
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

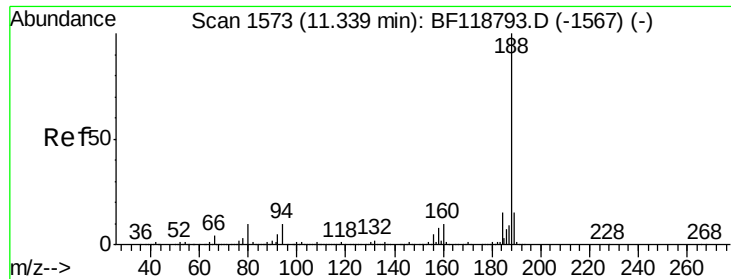


#57
 2,4-Dinitrotoluene
 Concen: 6.405 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.22 min
 Lab File: BF118928.D
 Acq: 13 Feb 2020 19:26

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	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

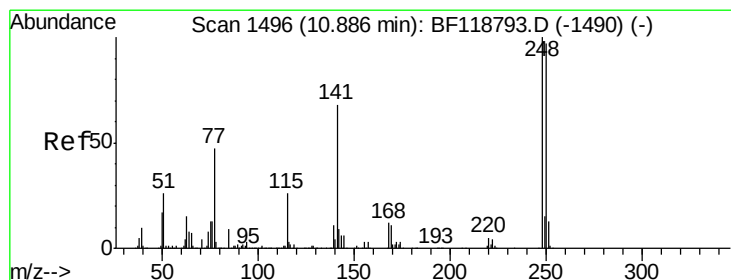
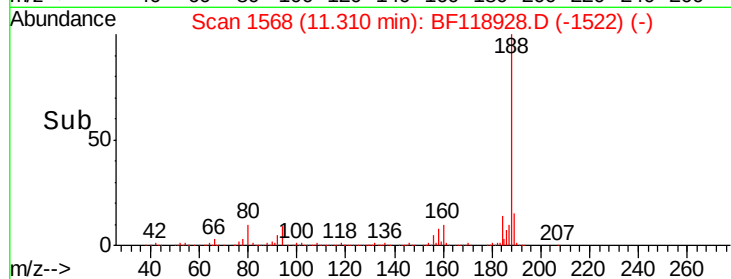
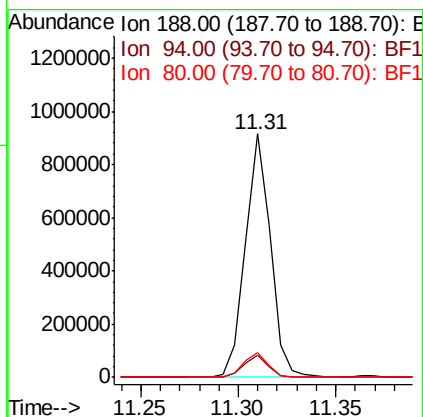
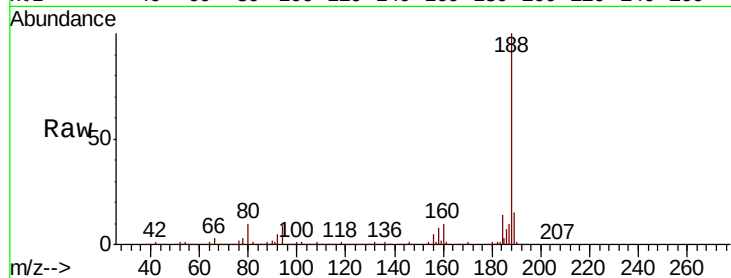




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.03 min
Lab File: BF118928.D
Acq: 13 Feb 2020 19:26

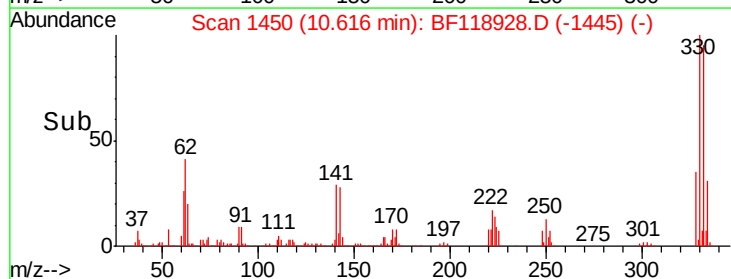
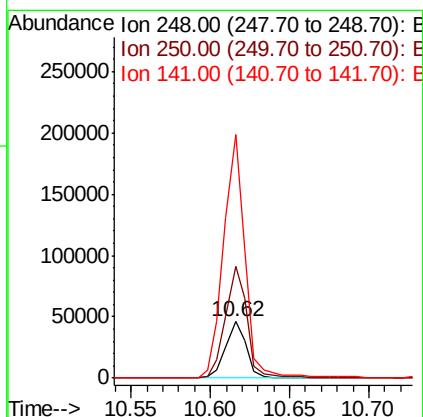
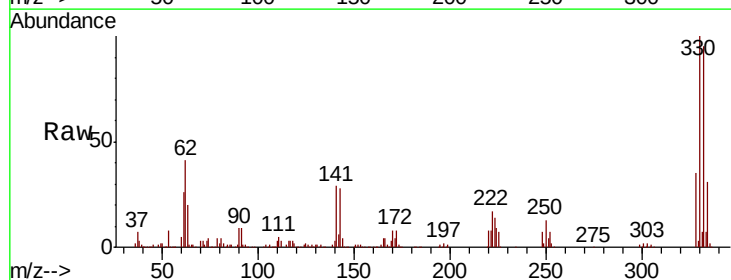
Instrument :
BNA_F
ClientSampleId :

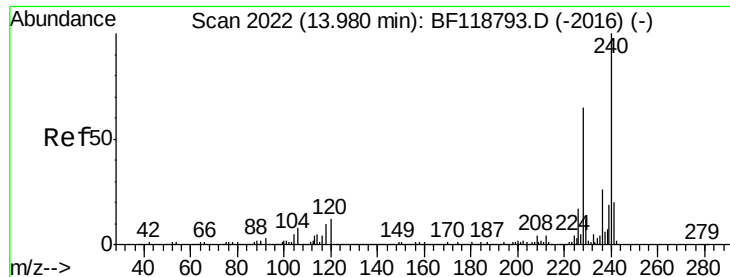
Tot Ion:188 Resp: 818194
Ion Ratio Lower Upper
188 100
94 9.3 7.9 11.9
80 10.0 8.4 12.6



#67
4-Bromophenyl-phenylether
Concen: 4.407 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.27 min
Lab File: BF118928.D
Acq: 13 Feb 2020 19:26

Tgt Ion:248 Resp: 42652
Ion Ratio Lower Upper
248 100
250 196.6 77.6 116.4#
141 430.1 54.4 81.6#

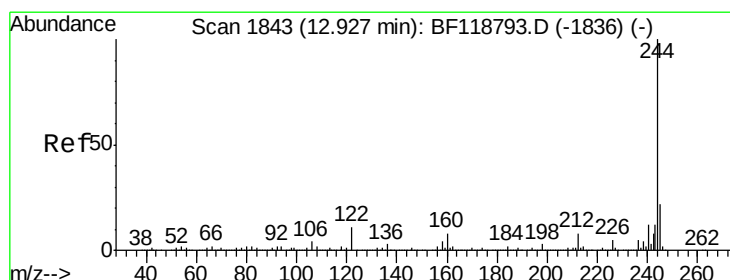
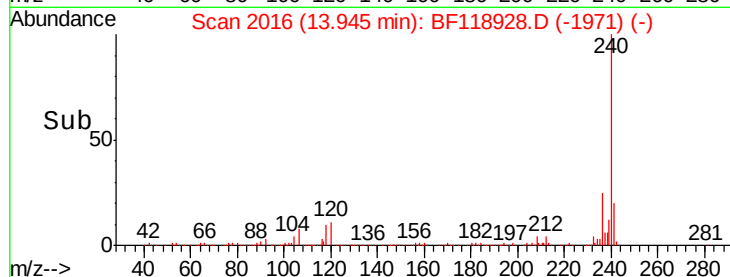
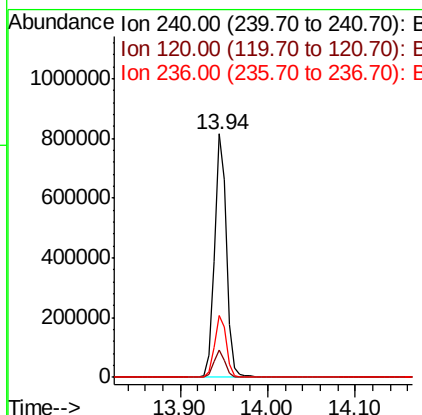
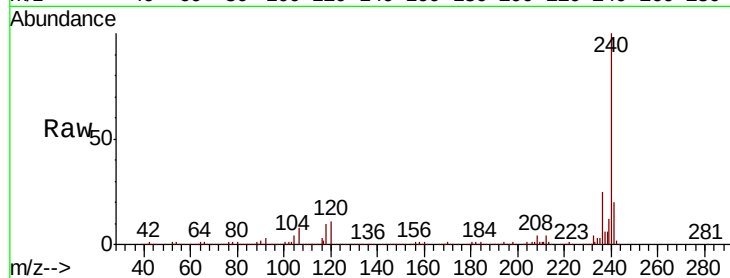




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.94 min Scan# 2016
Delta R.T. -0.04 min
Lab File: BF118928.D
Acq: 13 Feb 2020 19:26

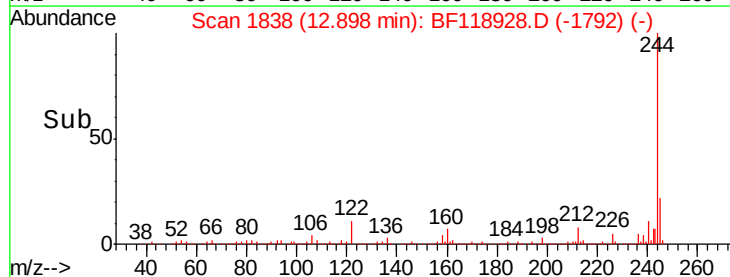
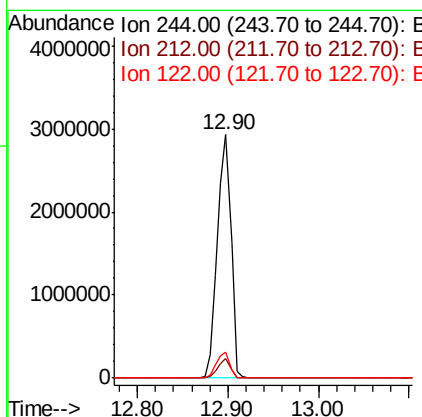
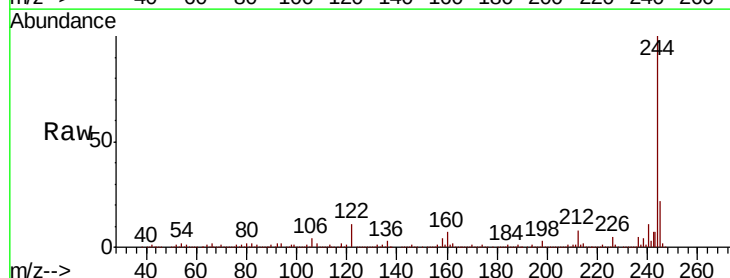
Instrument :
BNA_F
ClientSampleId :

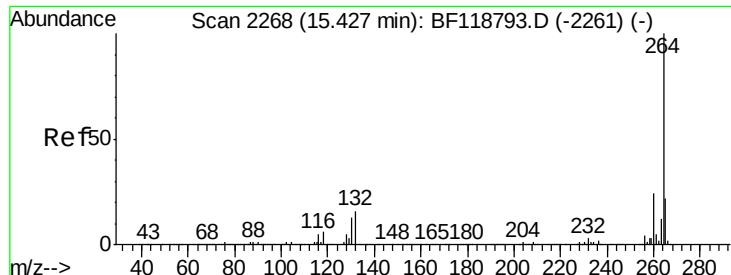
Tot Ion:240 Resp: 770441
Ion Ratio Lower Upper
240 100
120 11.1 9.4 14.0
236 25.3 21.0 31.6



#79
Terphenyl-d14
Concen: 80.731 ng
RT: 12.90 min Scan# 1838
Delta R.T. -0.03 min
Lab File: BF118928.D
Acq: 13 Feb 2020 19:26

Tgt Ion:244 Resp: 3028102
Ion Ratio Lower Upper
244 100
212 7.8 6.5 9.7
122 10.6 8.9 13.3

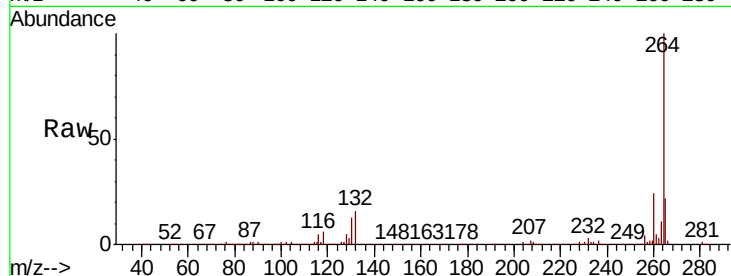




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.04 min
Lab File: BF118928.D
Acq: 13 Feb 2020 19:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.1	28.7
265	22.1	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

