

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020420\
 Data File : BF118805.D
 Acq On : 4 Feb 2020 16:50
 Operator : CG/JU
 Sample : PB126588BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 04 17:33:04 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

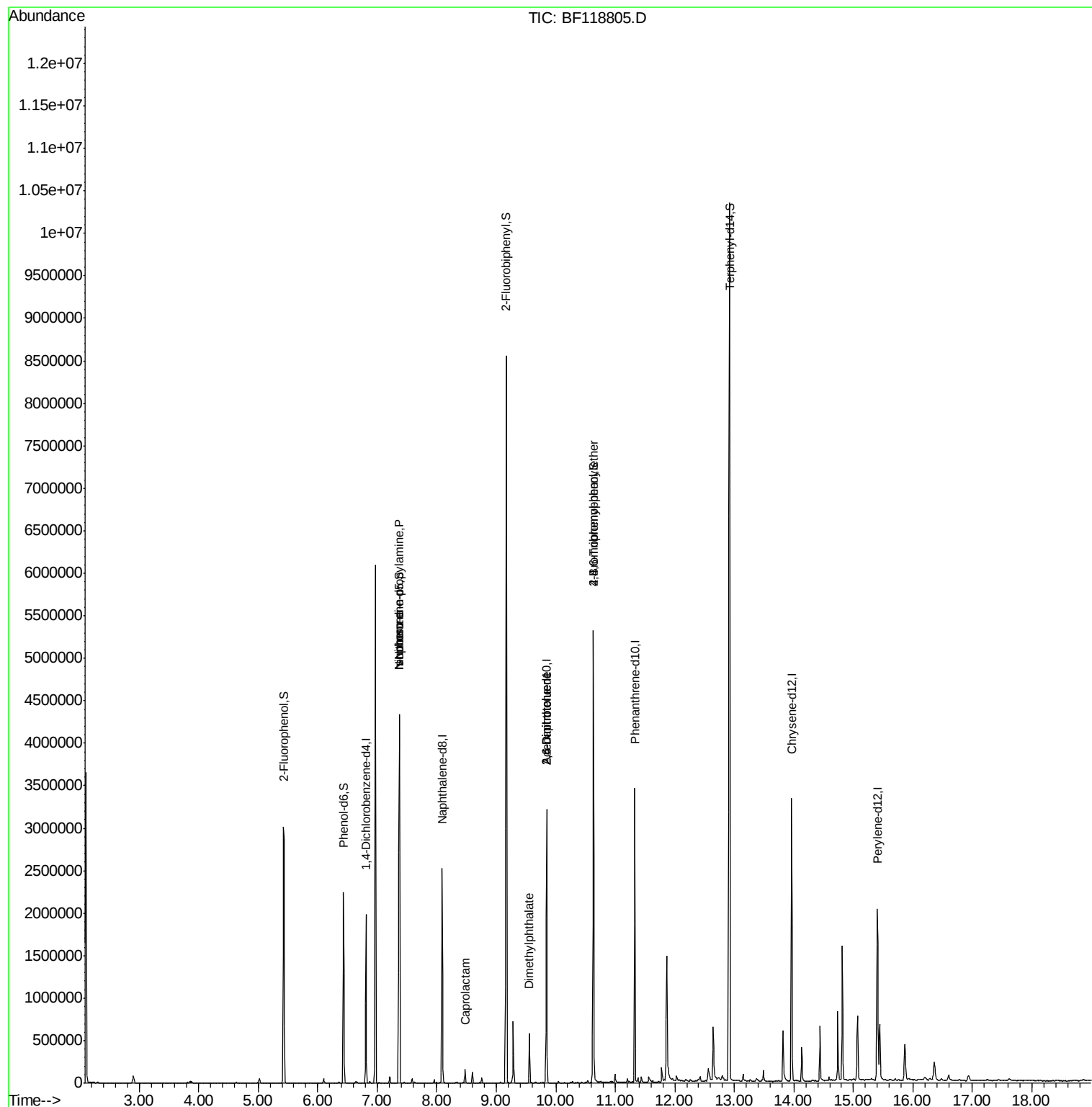
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	292954	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	1138157	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	668160	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	1303719	20.00	ng	-0.01
76) Chrysene-d12	13.96	240	1070639	20.00	ng	-0.02
87) Perylene-d12	15.40	264	993244	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	903942	58.41	ng	0.00
7) Phenol-d6	6.43	99	720482	37.50	ng	-0.02
23) Nitrobenzene-d5	7.37	82	1663217	87.10	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	772480	96.62	ng	-0.01
45) 2-Fluorobiphenyl	9.17	172	3242849	86.76	ng	-0.01
79) Terphenyl-d14	12.92	244	4346273	83.38	ng	0.00
Target Compounds						
9) Benzaldehyde	6.36	77	1884	Below Cal		94
19) n-Nitroso-di-n-propylamine	7.37	70	230468	19.607 ng	#	75
25) Isophorone	7.37	82	1660110	48.375 ng	#	63
35) Caprolactam	8.47	113	18803	3.508 ng		98
50) Dimethylphthalate	9.56	163	233997	5.143 ng		99
51) 2,6-Dinitrotoluene	9.85	165	87198	8.377 ng	#	31
57) 2,4-Dinitrotoluene	9.85	165	87198	6.330 ng	#	34
67) 4-Bromophenyl-phenylether	10.63	248	49569	3.214 ng	#	1

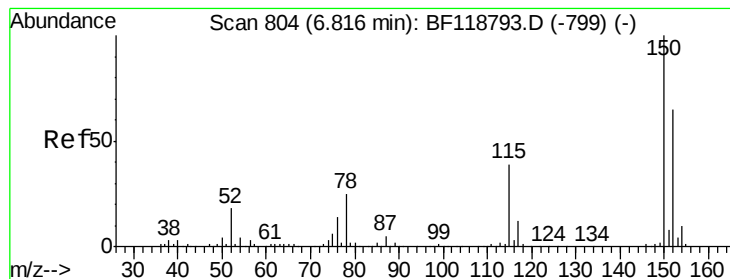
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 03 16:26:03 2020
Response via : Initial Calibration



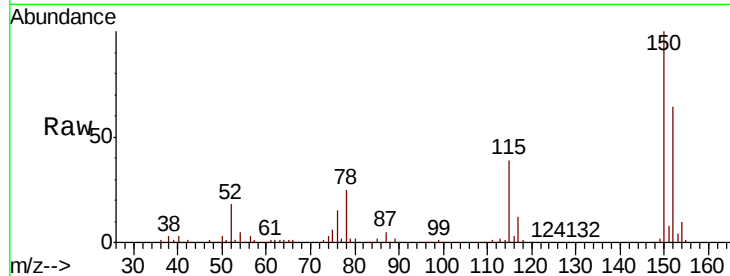


#1

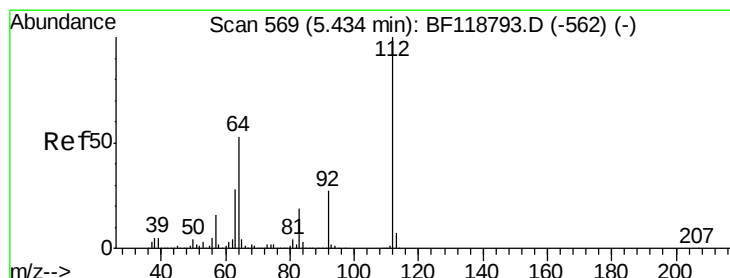
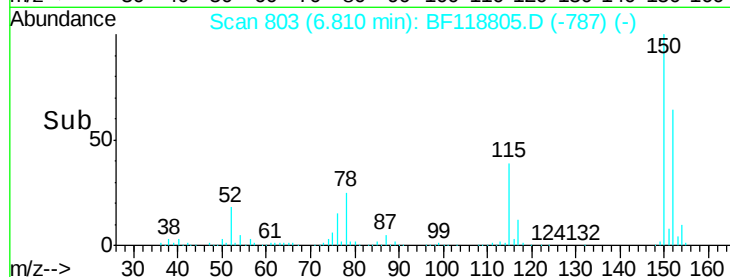
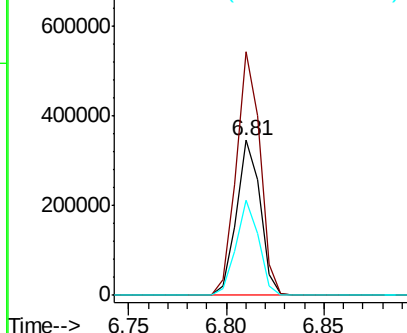
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF118805.D
Acq: 4 Feb 2020 16:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	123.6	185.4
115	61.5	48.2	72.2



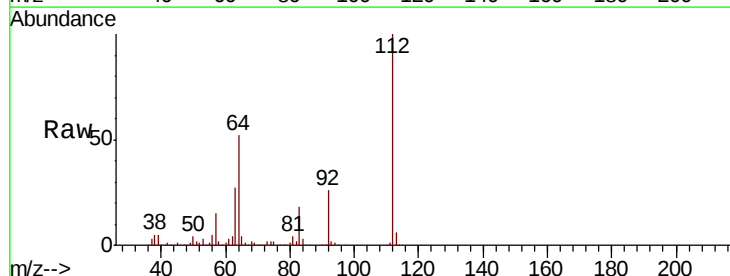
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



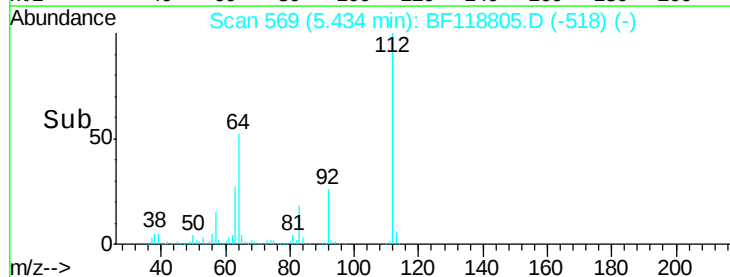
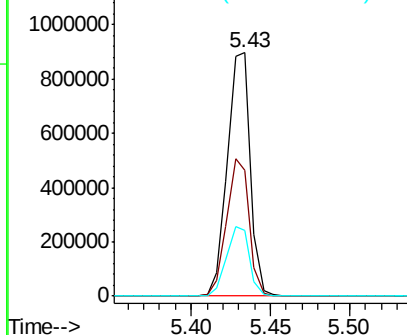
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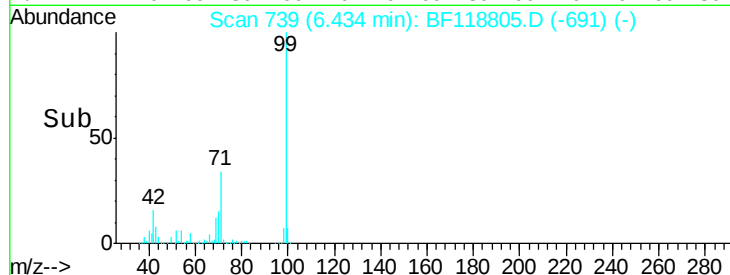
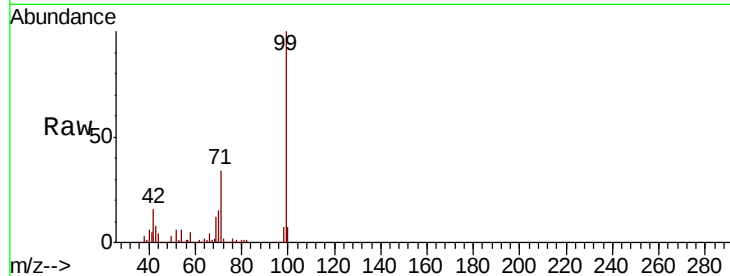
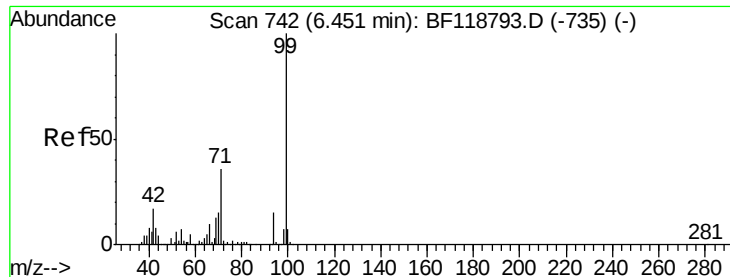
2-Fluorophenol
Concen: 58.408 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.00 min
Lab File: BF118805.D
Acq: 4 Feb 2020 16:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.7	42.6	63.8
63	27.2	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: 37.503 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.02 min

Lab File: BF118805.D

Acq: 4 Feb 2020 16:50

Instrument :

BNA_F

ClientSampled :

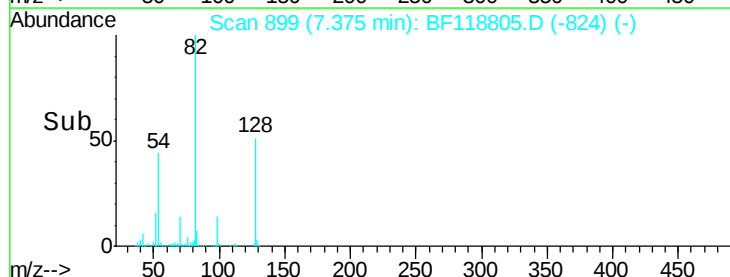
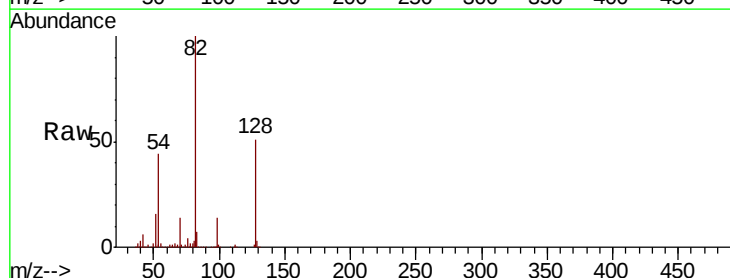
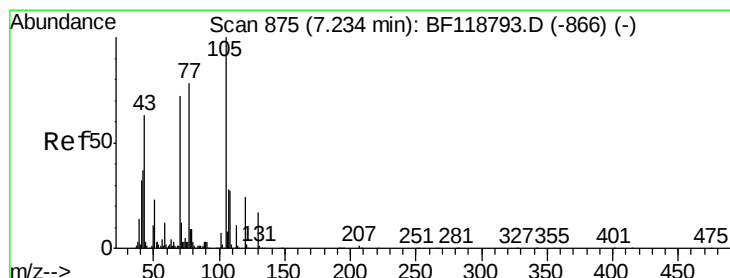
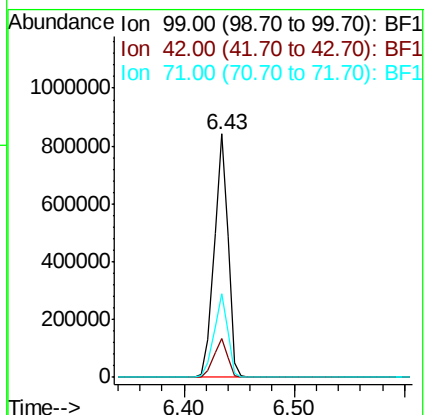
Tot Ion: 99 Resp: 720482

Ion Ratio Lower Upper

99 100

42 16.1 13.4 20.0

71 34.4 29.0 43.6



#19

n-Nitroso-di-n-propylamine

Concen: 19.607 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.14 min

Lab File: BF118805.D

Acq: 4 Feb 2020 16:50

Tgt Ion: 70 Resp: 230468

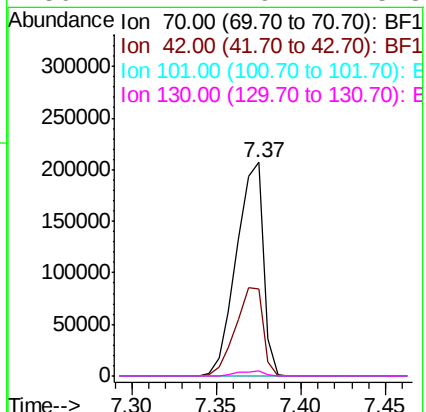
Ion Ratio Lower Upper

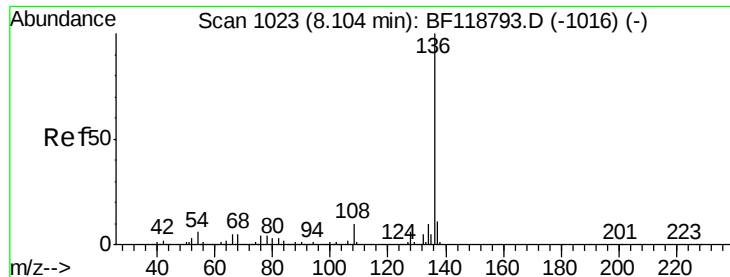
70 100

42 40.9 41.5 62.3#

101 0.0 8.3 12.5#

130 2.4 19.2 28.8#



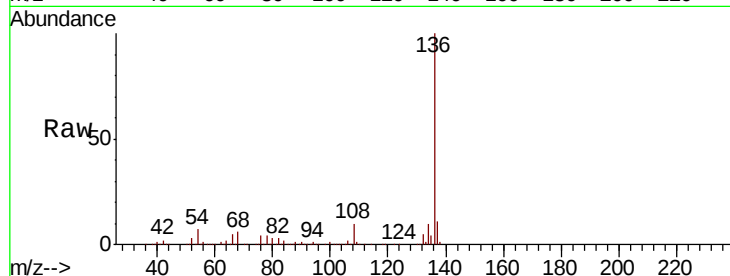


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF118805.D
Acq: 4 Feb 2020 16:50

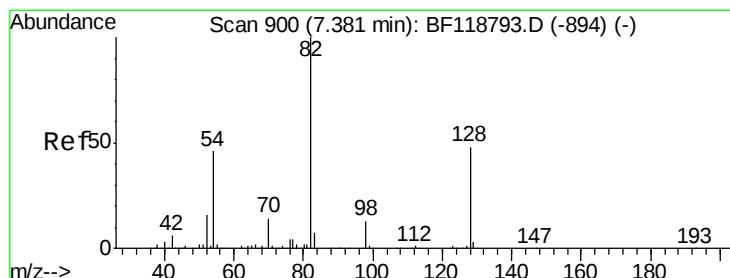
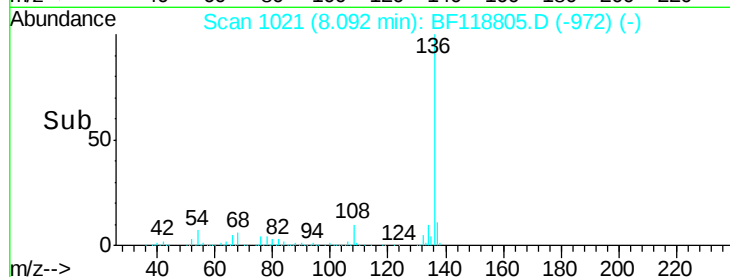
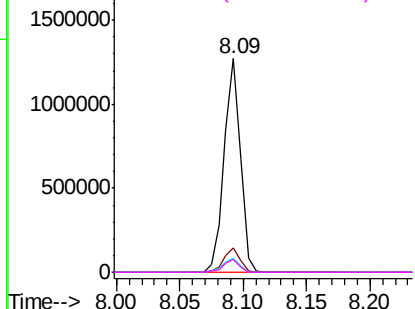
Instrument :
BNA_F
ClientSampleId :

Tot Ion:136 Resp: 1138157

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.7	13.1
54	6.6	5.0	7.6
68	5.7	4.2	6.4



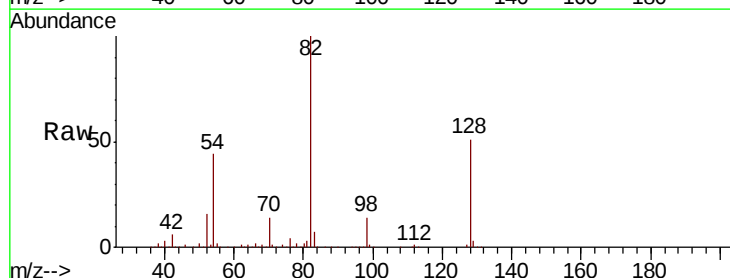
Abundance Ion 136.00 (135.70 to 136.70): E
2000000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1



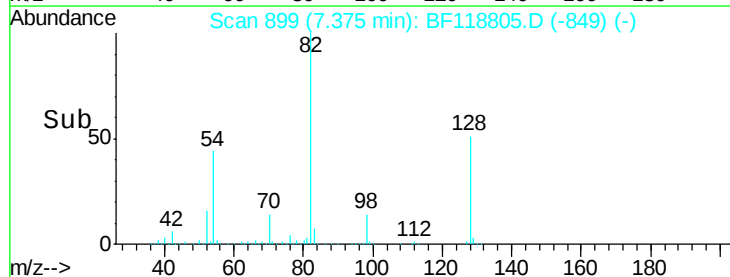
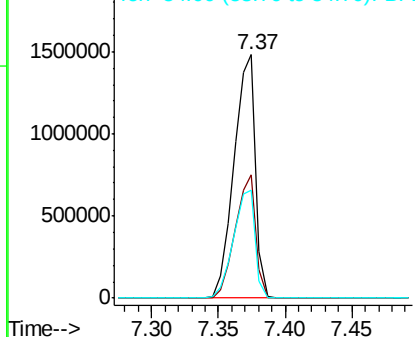
#23
Nitrobenzene-d5
Concen: 87.102 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF118805.D
Acq: 4 Feb 2020 16:50

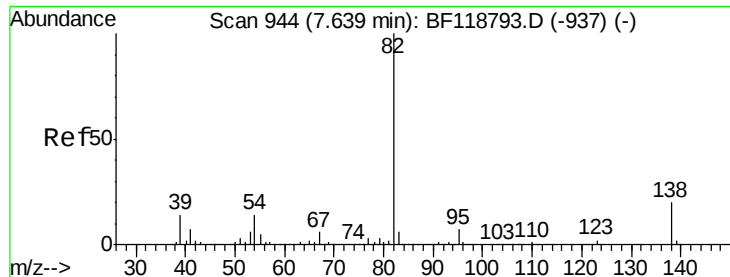
Tgt Ion: 82 Resp: 1663217

Ion	Ratio	Lower	Upper
82	100		
128	50.7	38.5	57.7
54	44.2	36.7	55.1



Abundance Ion 82.00 (81.70 to 82.70): BF1
2000000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 48.375 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF118805.D

Acq: 4 Feb 2020 16:50

Instrument :

BNA_F

ClientSampleId :

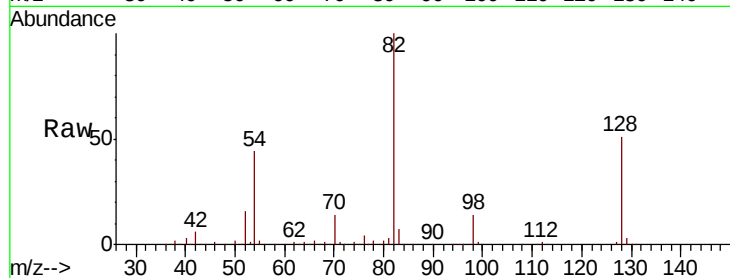
Tot Ion: 82 Resp: 1660110

Ion Ratio Lower Upper

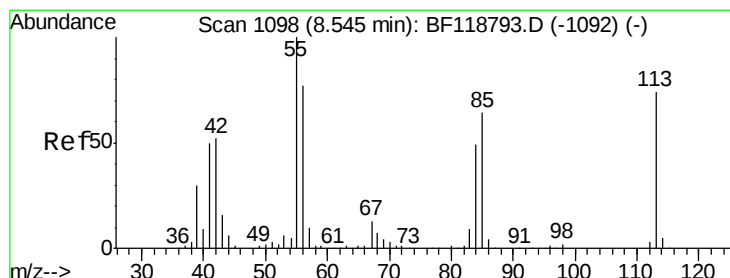
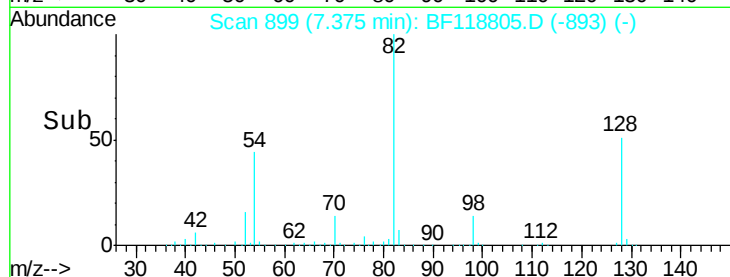
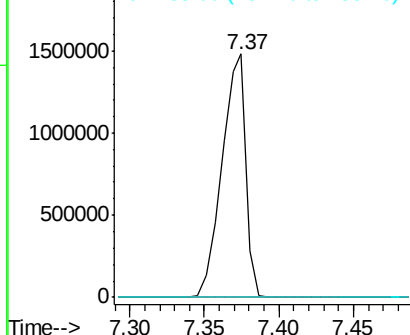
82 100

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



#35

Caprolactam

Concen: 3.508 ng

RT: 8.47 min Scan# 1086

Delta R.T. -0.07 min

Lab File: BF118805.D

Acq: 4 Feb 2020 16:50

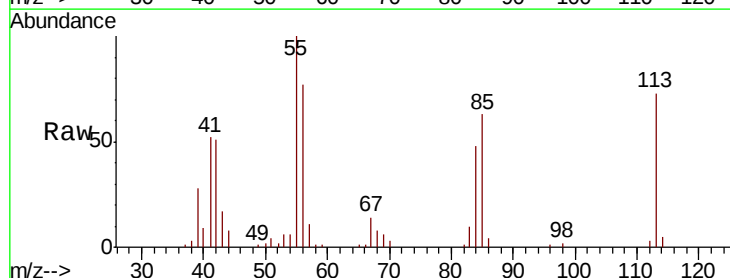
Tgt Ion: 113 Resp: 18803

Ion Ratio Lower Upper

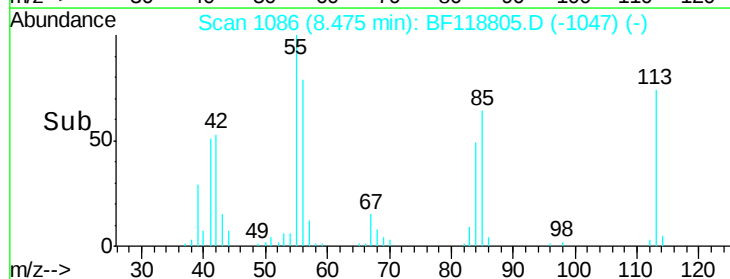
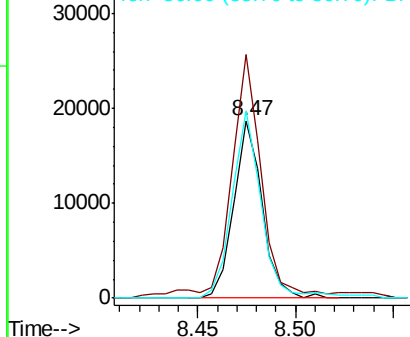
113 100

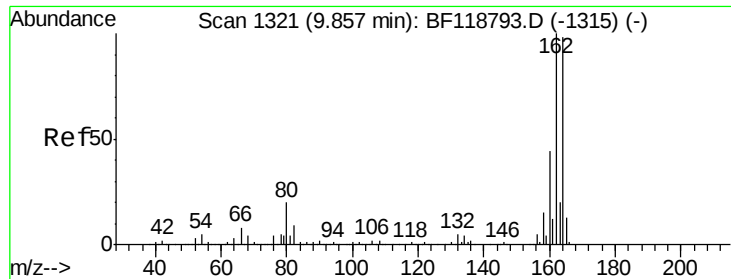
55 137.3 115.5 155.5

56 105.9 83.7 123.7



Abundance Ion 113.00 (112.70 to 113.70): BF1
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

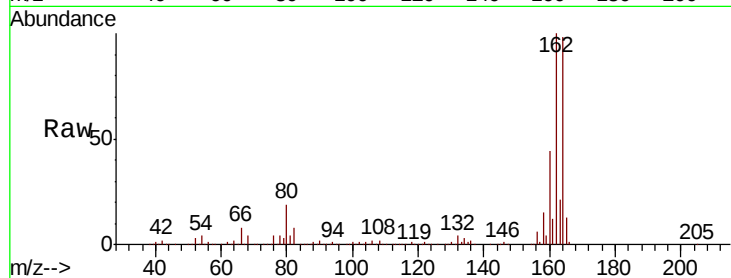




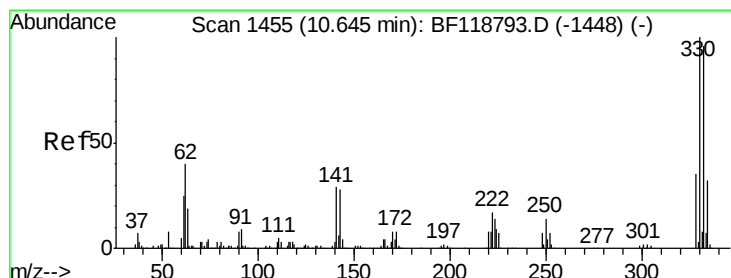
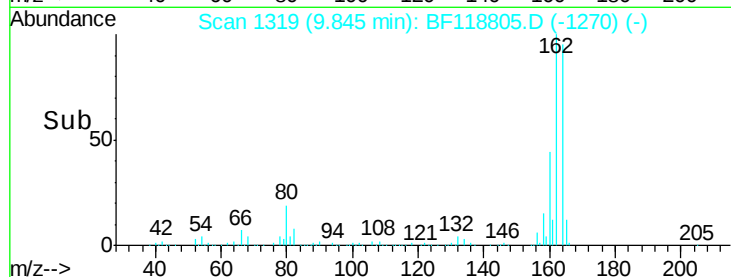
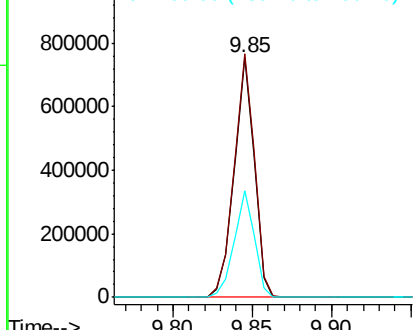
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: BF118805.D
 Acq: 4 Feb 2020 16:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 668160
 Ion Ratio Lower Upper
 164 100
 162 101.6 81.4 122.2
 160 44.5 35.6 53.4

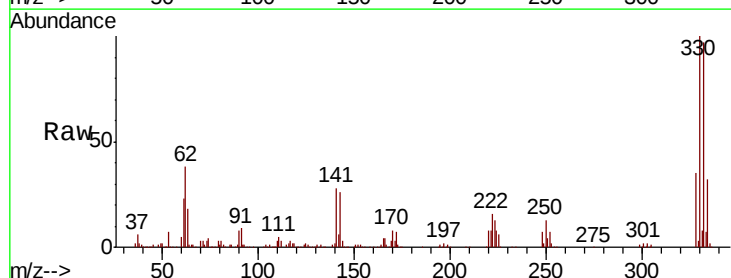


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

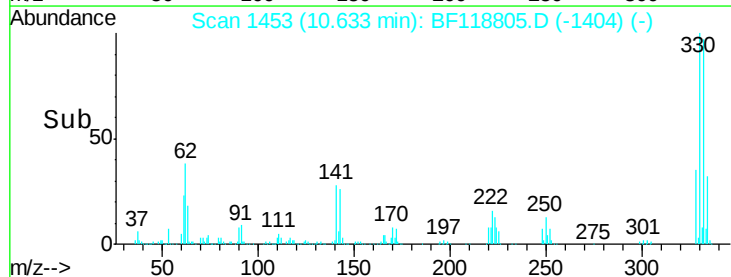
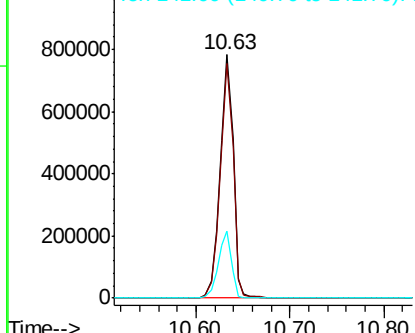


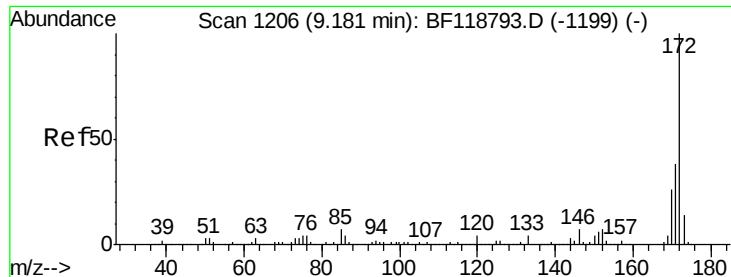
#42
 2,4,6-Tribromophenol
 Concen: 96.624 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF118805.D
 Acq: 4 Feb 2020 16:50

Tgt Ion:330 Resp: 772480
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.3 115.9
 141 27.5 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



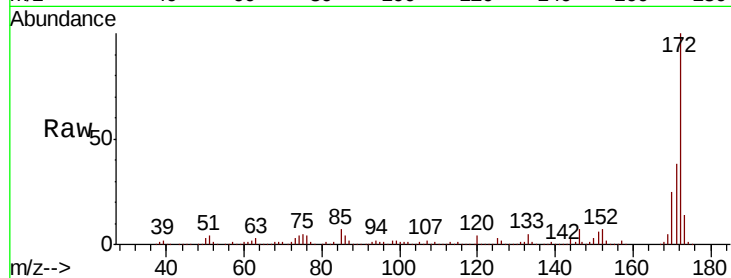


#45
 2-Fluorobiphenyl
 Concen: 86.764 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF118805.D
 Acq: 4 Feb 2020 16:50

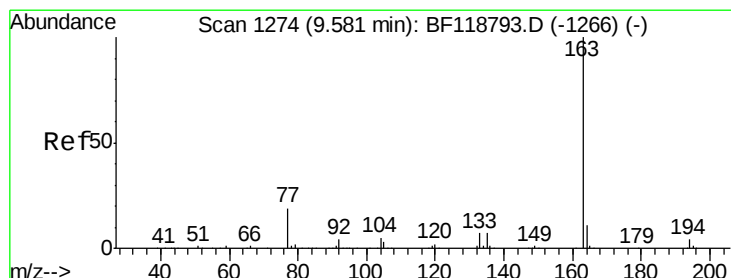
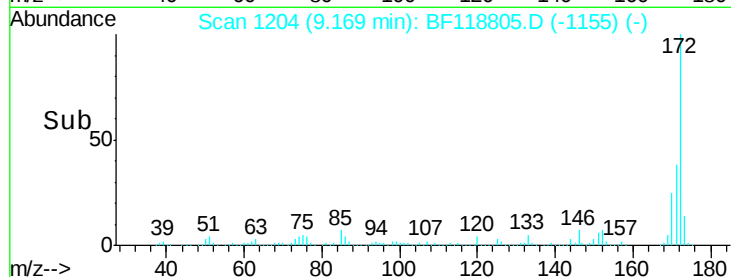
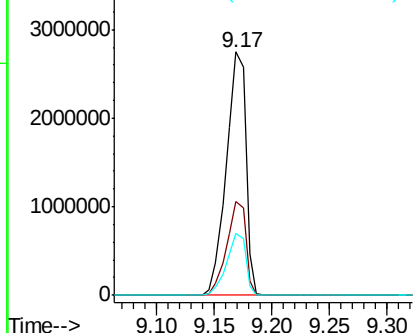
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 3242849

Ion	Ratio	Lower	Upper
172	100		
171	38.4	30.8	46.2
170	25.2	20.5	30.7



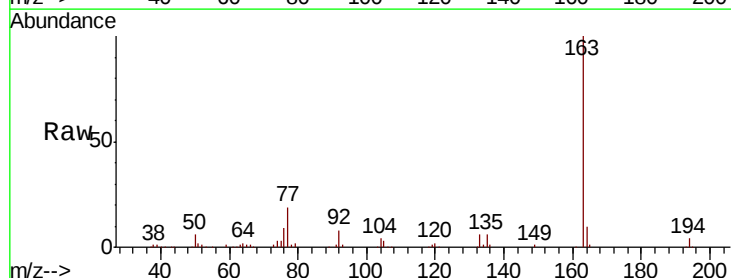
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



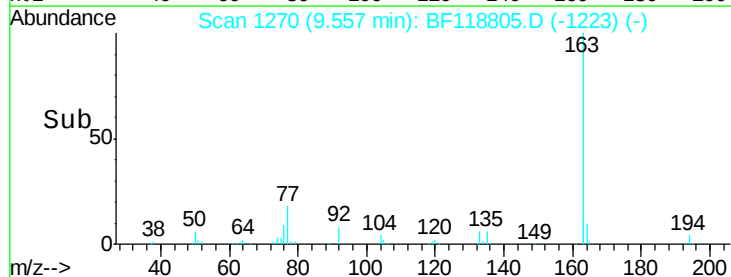
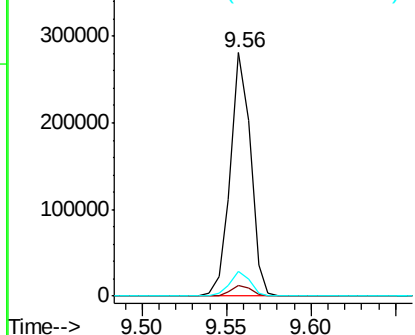
#50
 Dimethylphthalate
 Concen: 5.143 ng
 RT: 9.56 min Scan# 1270
 Delta R.T. -0.02 min
 Lab File: BF118805.D
 Acq: 4 Feb 2020 16:50

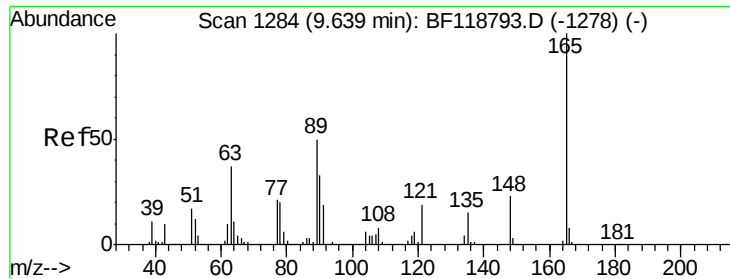
Tgt Ion:163 Resp: 233997

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.6	5.4
164	10.2	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

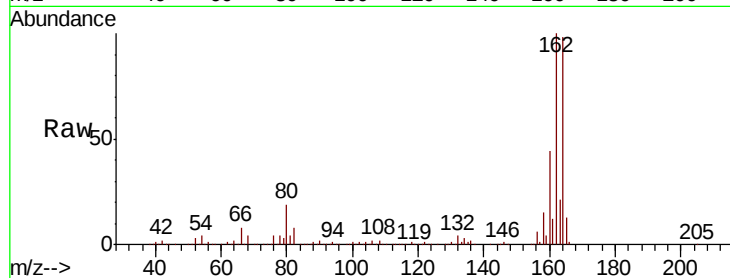




#51
 2,6-Dinitrotoluene
 Concen: 8.377 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.21 min
 Lab File: BF118805.D
 Acq: 4 Feb 2020 16:50

Instrument :
 BNA_F
 ClientSampled :

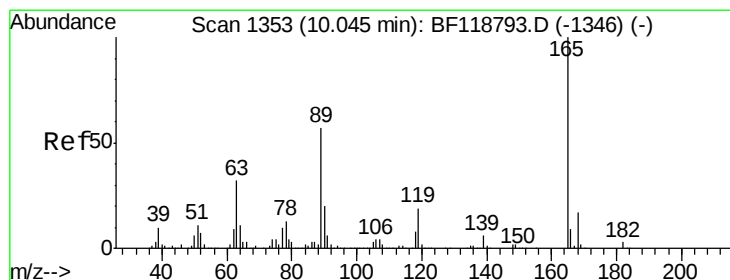
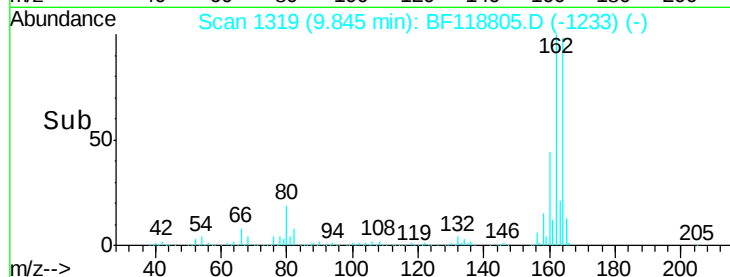
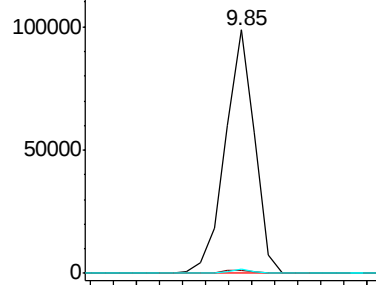
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	37.4	56.0#
89	1.6	39.7	59.5#



Abundance Ion 165.00 (164.70 to 165.70): E

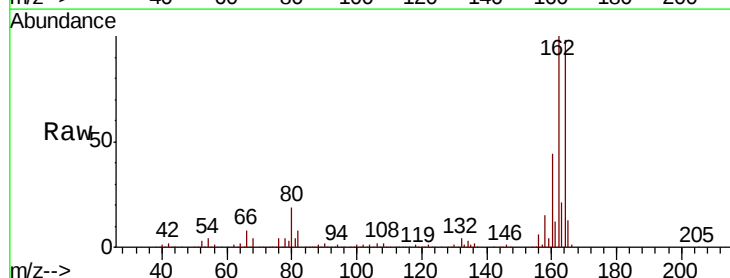
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#57
 2,4-Dinitrotoluene
 Concen: 6.330 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.20 min
 Lab File: BF118805.D
 Acq: 4 Feb 2020 16:50

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	25.5	38.3#
89	1.6	45.4	68.0#
182	0.0	2.4	3.6#

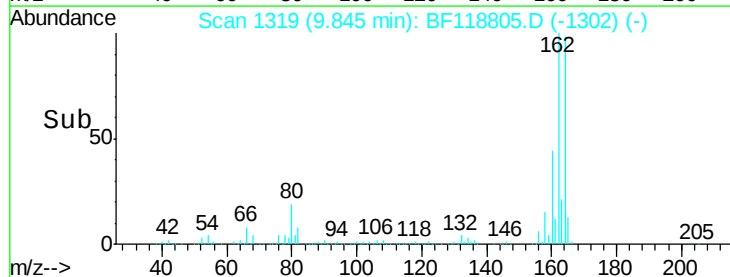
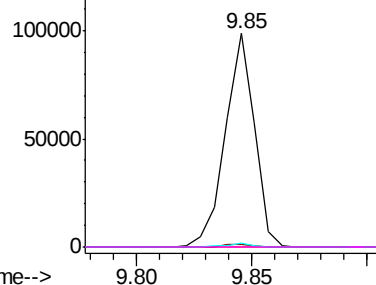


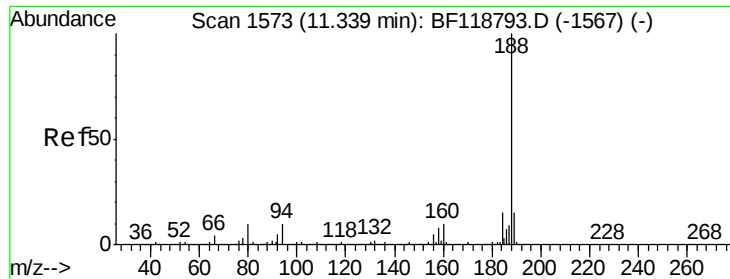
Abundance Ion 165.00 (164.70 to 165.70): E

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# 1571

Delta R.T. -0.01 min

Lab File: BF118805.D

Acq: 4 Feb 2020 16:50

Instrument :

BNA_F

ClientSampleId :

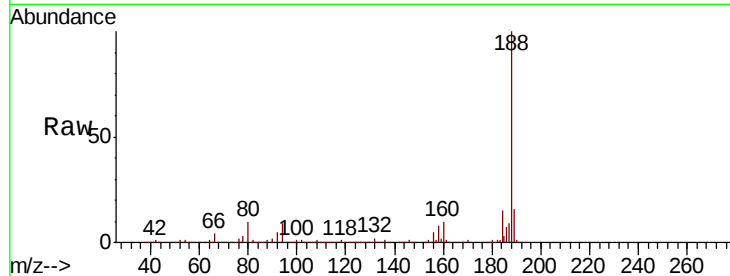
Tot Ion:188 Resp: 1303719

Ion Ratio Lower Upper

188 100

94 9.5 7.9 11.9

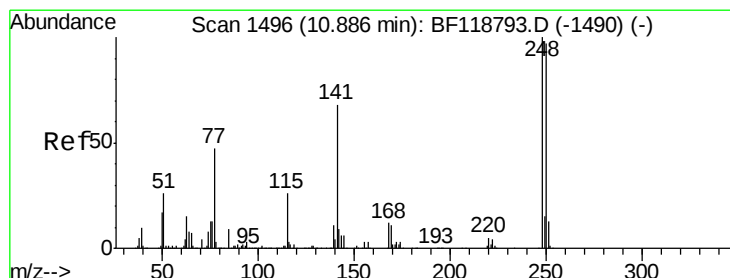
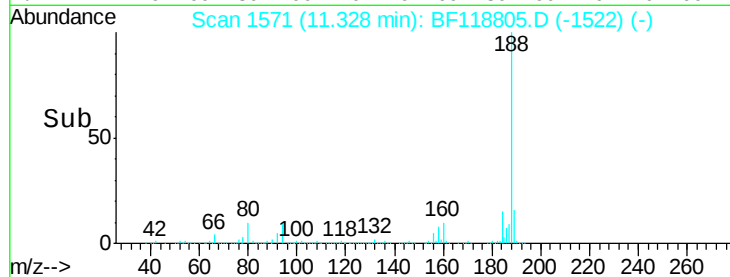
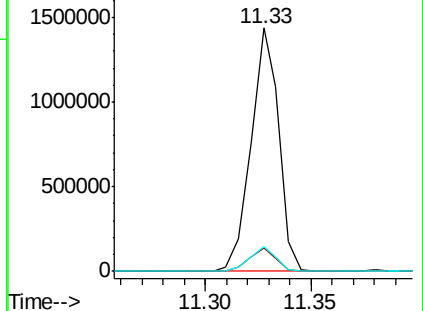
80 10.1 8.4 12.6



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: 3.214 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.25 min

Lab File: BF118805.D

Acq: 4 Feb 2020 16:50

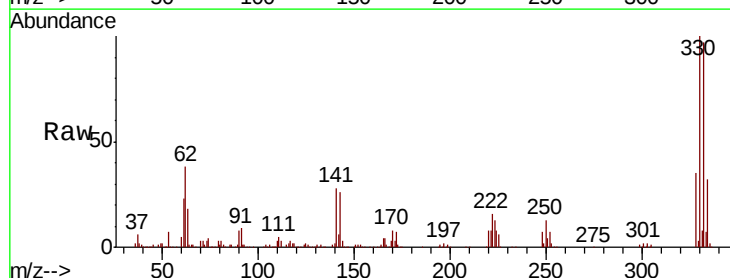
Tgt Ion:248 Resp: 49569

Ion Ratio Lower Upper

248 100

250 198.9 77.6 116.4#

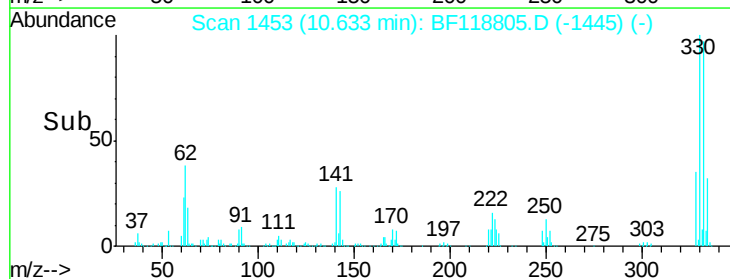
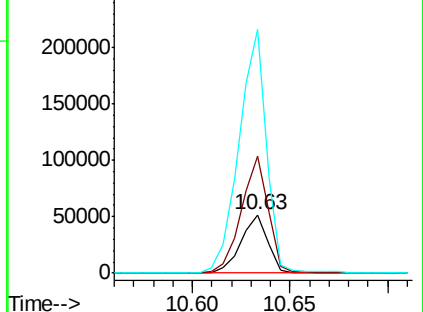
141 415.8 54.4 81.6#

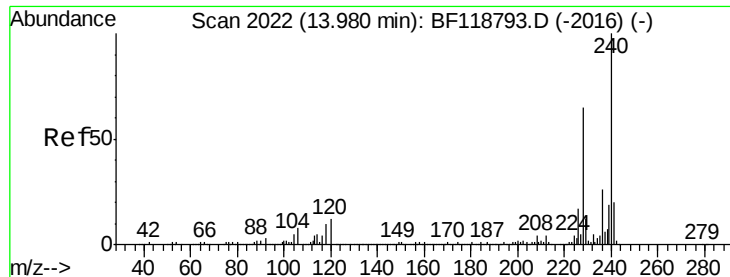


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

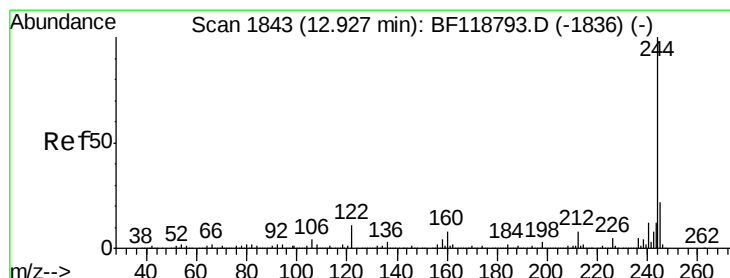
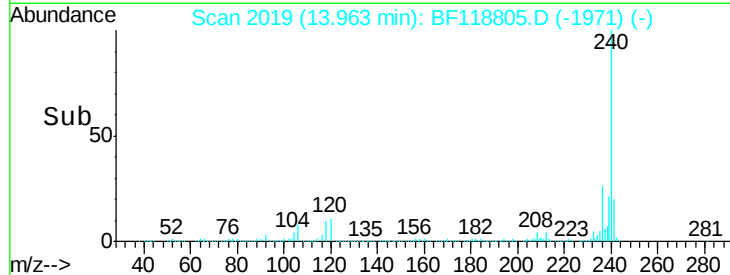
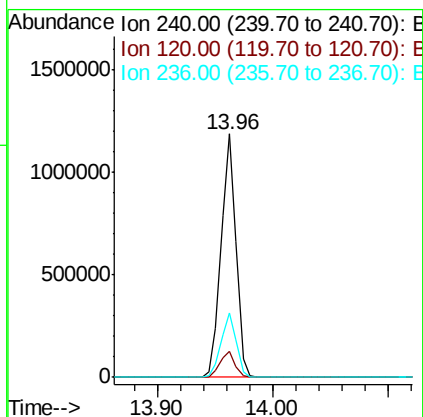
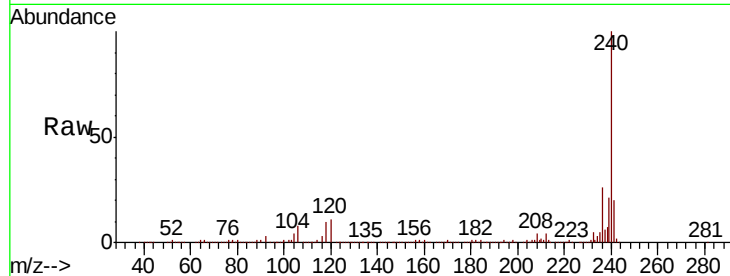




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.02 min
Lab File: BF118805.D
Acq: 4 Feb 2020 16:50

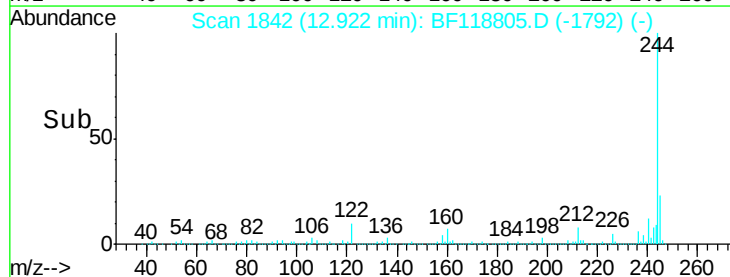
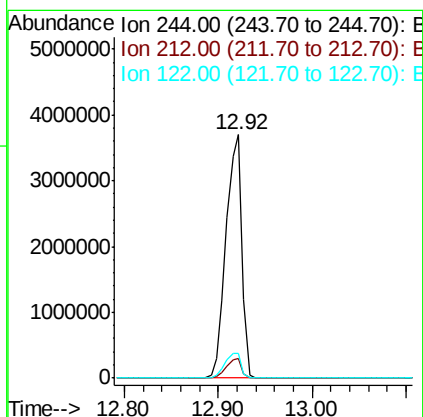
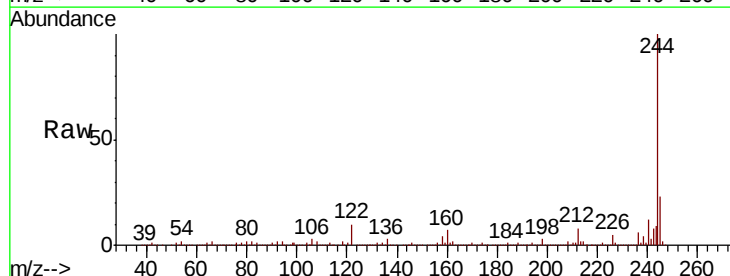
Instrument :
BNA_F
ClientSampleId :

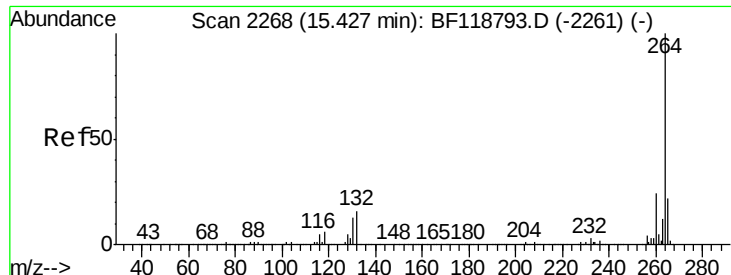
Tot Ion:240 Resp: 1070639
Ion Ratio Lower Upper
240 100
120 10.6 9.4 14.0
236 26.2 21.0 31.6



#79
Terphenyl-d14
Concen: 83.384 ng
RT: 12.92 min Scan# 1842
Delta R.T. -0.01 min
Lab File: BF118805.D
Acq: 4 Feb 2020 16:50

Tgt Ion:244 Resp: 4346273
Ion Ratio Lower Upper
244 100
212 8.2 6.5 9.7
122 10.3 8.9 13.3





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.02 min
Lab File: BF118805.D
Acq: 4 Feb 2020 16:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.1	28.7
265	22.2	17.2	25.8

