

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020420\
 Data File : BF118814.D
 Acq On : 4 Feb 2020 21:12
 Operator : CG/JU
 Sample : L1383-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 05 06:34:19 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

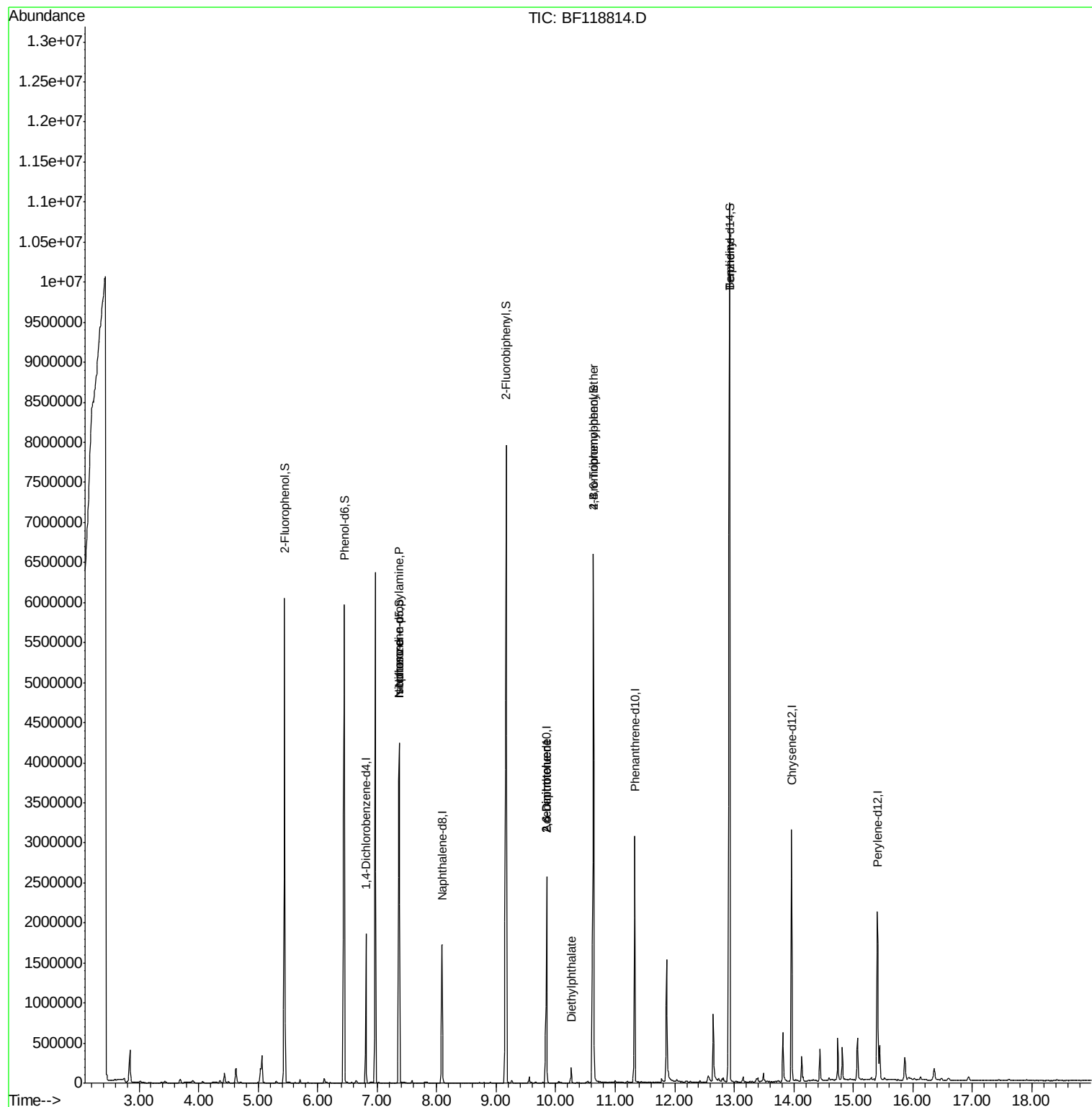
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	286585	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	1089922	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	625229	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	1216885	20.00	ng	-0.01
76) Chrysene-d12	13.96	240	1034211	20.00	ng	-0.02
87) Perylene-d12	15.40	264	1014094	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	2112142	139.51	ng	0.01
7) Phenol-d6	6.45	99	2469139	131.38	ng	0.00
23) Nitrobenzene-d5	7.37	82	1757618	96.12	ng	-0.01
42) 2,4,6-Tribromophenol	10.63	330	1192634	159.42	ng	-0.01
45) 2-Fluorobiphenyl	9.17	172	3647364	104.29	ng	-0.01
79) Terphenyl-d14	12.92	244	4730861	93.96	ng	0.00
Target Compounds						
9) Benzaldehyde	6.36	77	469	Below Cal		Qvalue # 75
19) n-Nitroso-di-n-propylamine	7.37	70	244256	21.241	ng	# 76
25) Isophorone	7.37	82	1751995	53.311	ng	# 63
51) 2,6-Dinitrotoluene	9.85	165	80793	8.294	ng	# 30
57) 2,4-Dinitrotoluene	9.85	165	80793	6.267	ng	# 34
60) Diethylphthalate	10.26	149	85697	2.070	ng	98
67) 4-Bromophenyl-phenylether	10.63	248	76470	5.312	ng	# 1
77) Benzidine	12.92	184	64227	2.053	ng	# 94

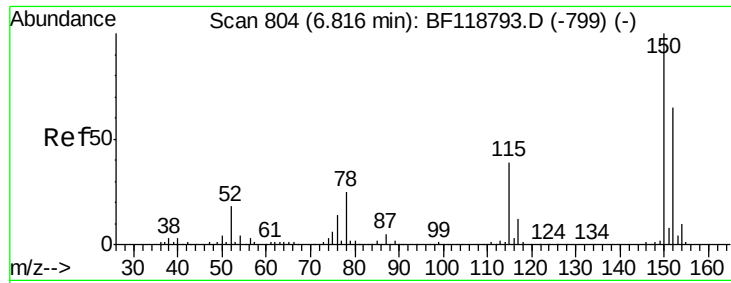
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 05 06:34:19 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



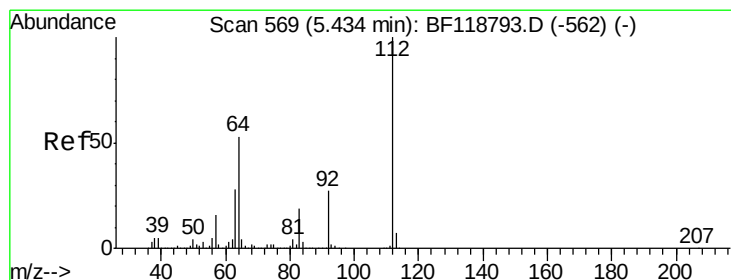
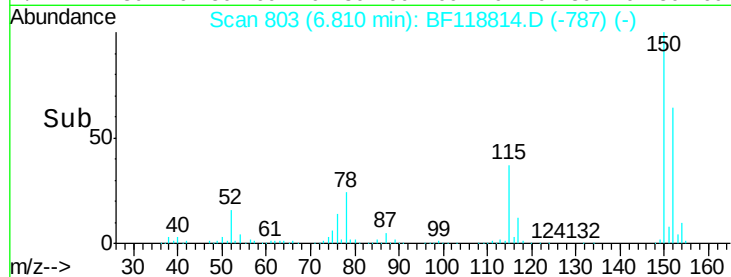
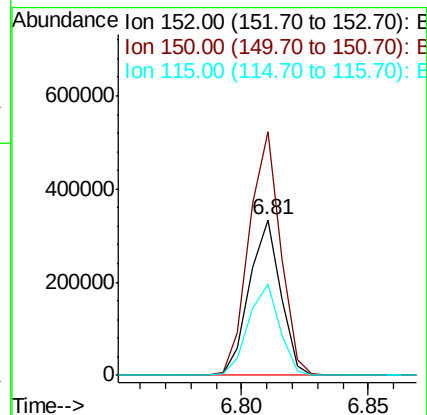
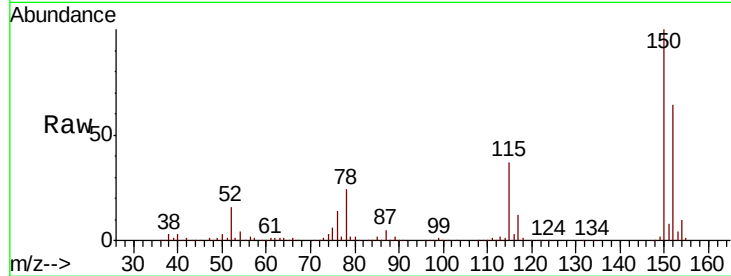


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: BF118814.D
 Acq: 4 Feb 2020 21:12

Instrument :
 BNA_G
 ClientSampleId :

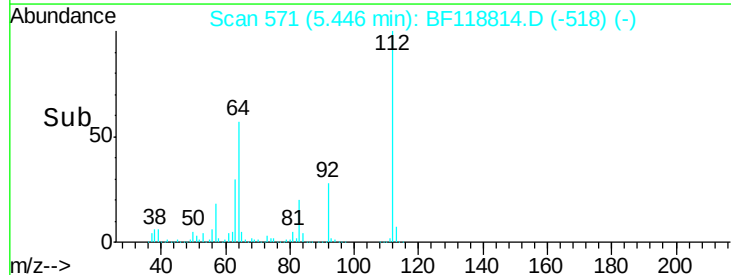
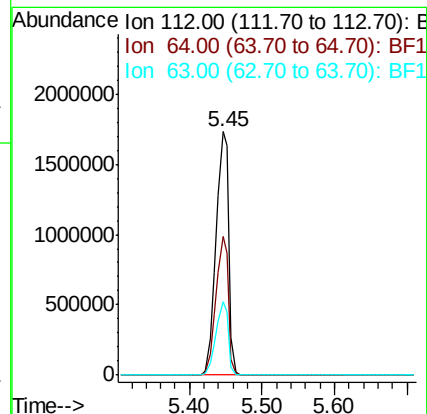
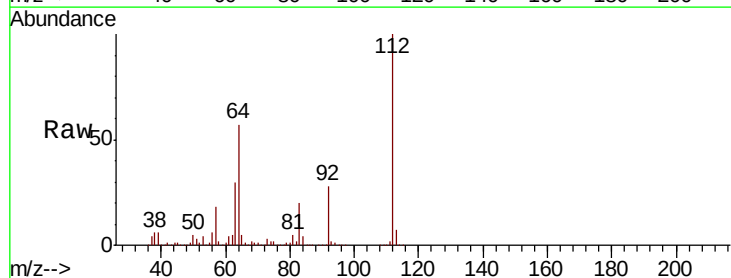
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	123.6	185.4
115	58.6	48.2	72.2

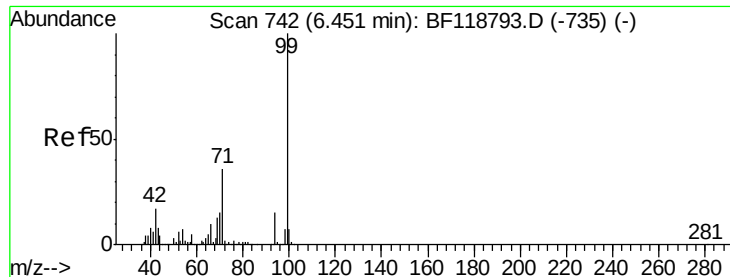


#5

2-Fluorophenol
 Concen: 139.509 ng
 RT: 5.45 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: BF118814.D
 Acq: 4 Feb 2020 21:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	42.6	63.8
63	30.3	22.2	33.4





#7

Phenol-d6

Concen: 131.380 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF118814.D

Acq: 4 Feb 2020 21:12

Instrument :

BNA_G

ClientSampleId :

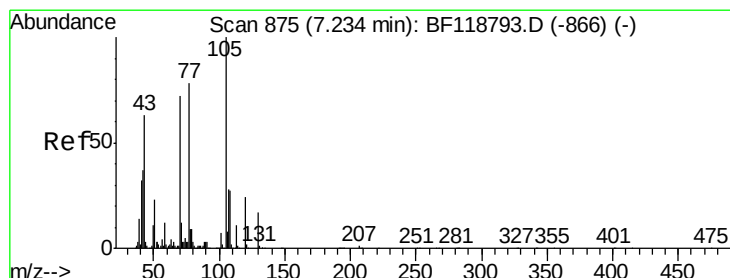
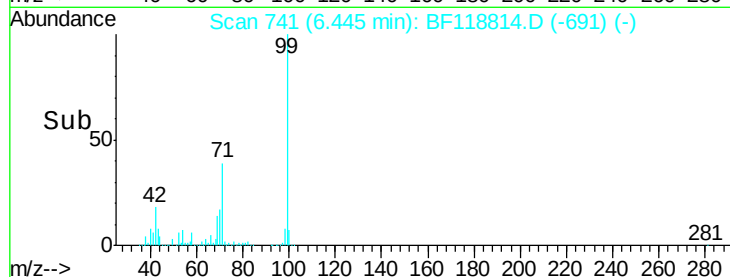
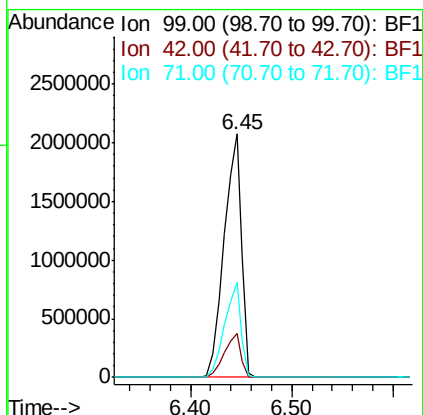
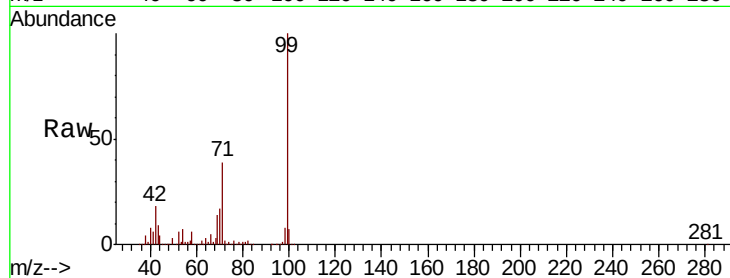
Tot Ion: 99 Resp: 2469139

Ion Ratio Lower Upper

99 100

42 17.9 13.4 20.0

71 39.0 29.0 43.6



#19

n-Nitroso-di-n-propylamine

Concen: 21.241 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF118814.D

Acq: 4 Feb 2020 21:12

Tgt Ion: 70 Resp: 244256

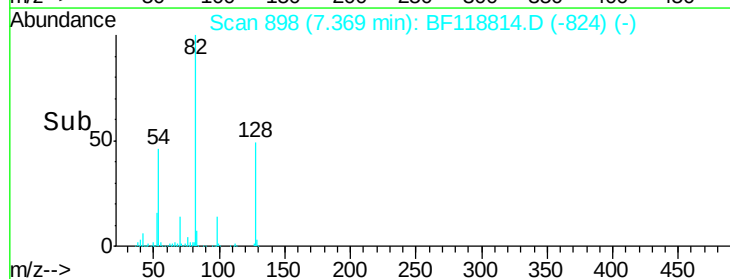
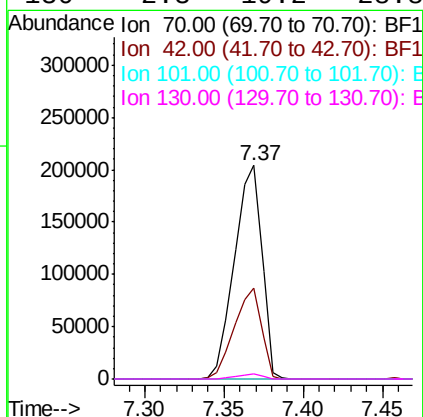
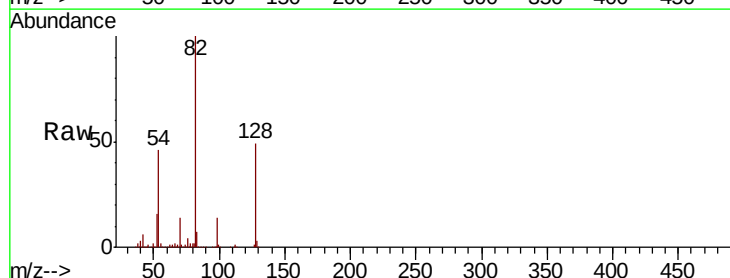
Ion Ratio Lower Upper

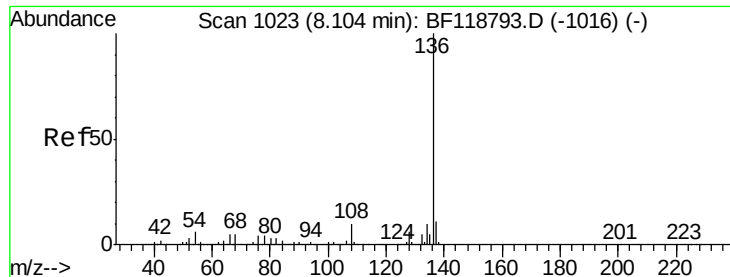
70 100

42 42.4 41.5 62.3

101 0.0 8.3 12.5#

130 2.3 19.2 28.8#

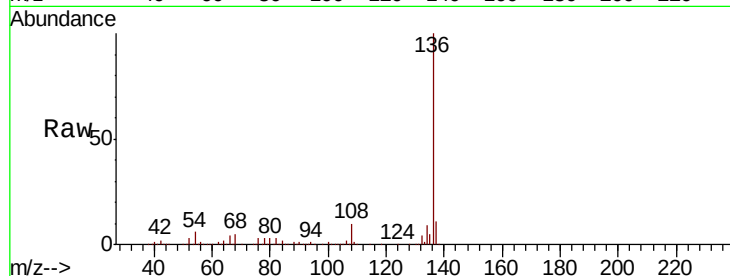




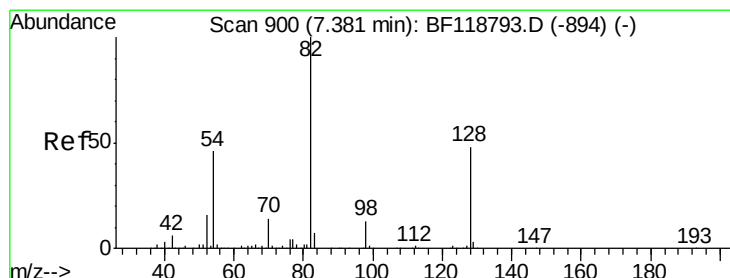
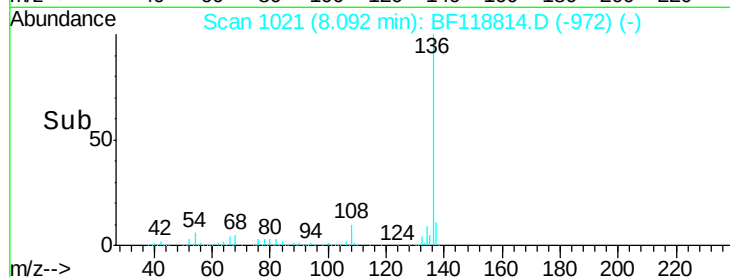
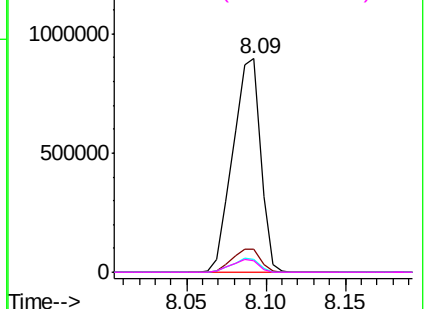
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF118814.D
Acq: 4 Feb 2020 21:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp: 1089922
Ion Ratio	Lower Upper
136 100	
137 10.8	8.7 13.1
54 6.1	5.0 7.6
68 5.2	4.2 6.4

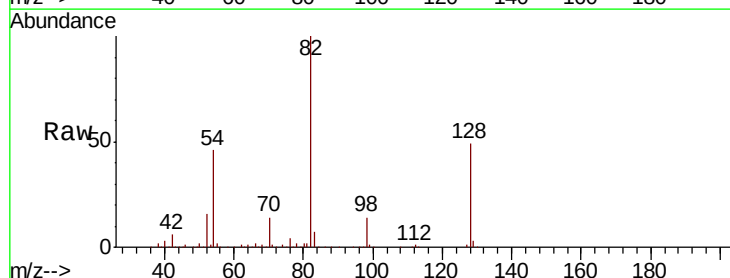


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

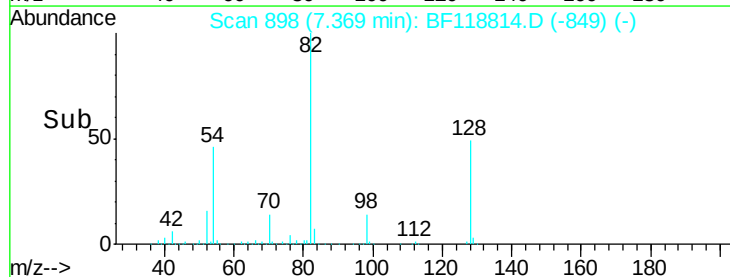
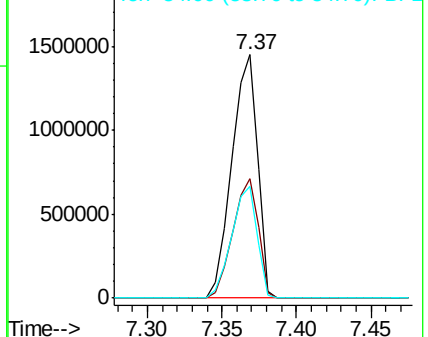


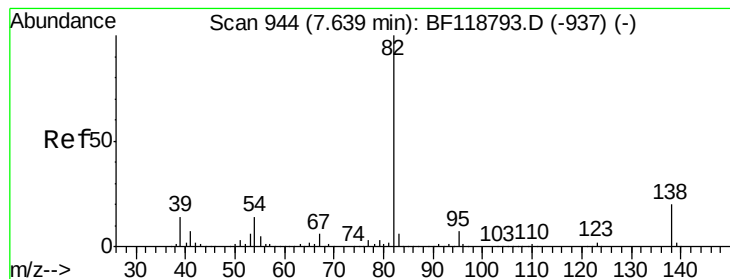
#23
Nitrobenzene-d5
Concen: 96.119 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF118814.D
Acq: 4 Feb 2020 21:12

Tgt Ion: 82	Resp: 1757618
Ion Ratio	Lower Upper
82 100	
128 49.2	38.5 57.7
54 45.7	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: 53.311 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.27 min

Lab File: BF118814.D

Acq: 4 Feb 2020 21:12

Instrument :

BNA_G

ClientSampleId :

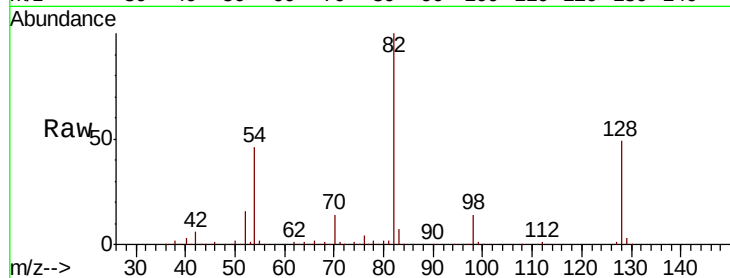
Tot Ion: 82 Resp: 1751995

Ion Ratio Lower Upper

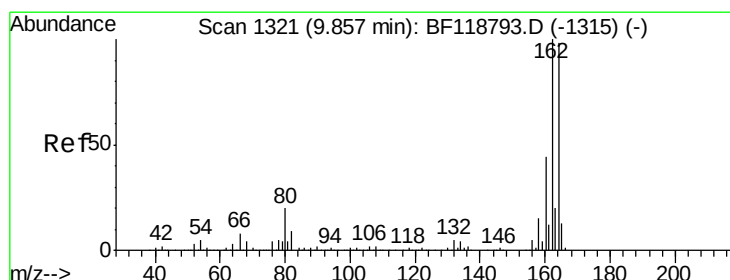
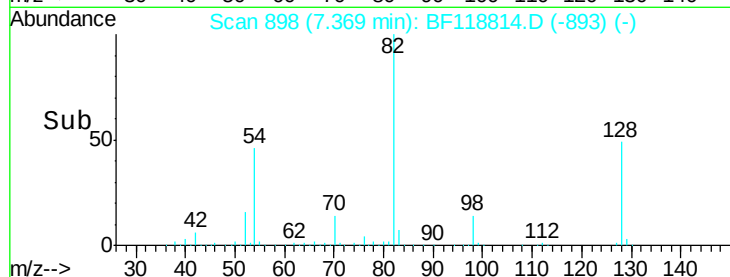
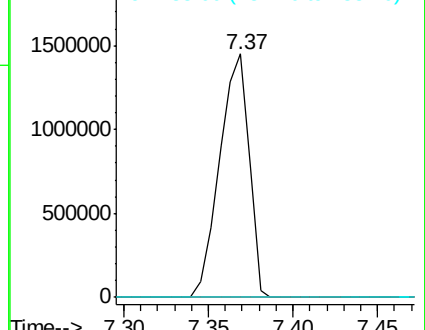
82 100

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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF118814.D

Acq: 4 Feb 2020 21:12

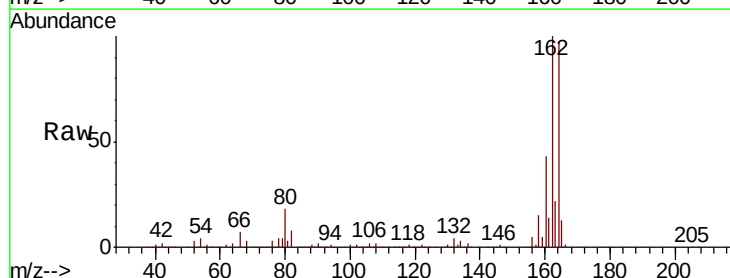
Tgt Ion:164 Resp: 625229

Ion Ratio Lower Upper

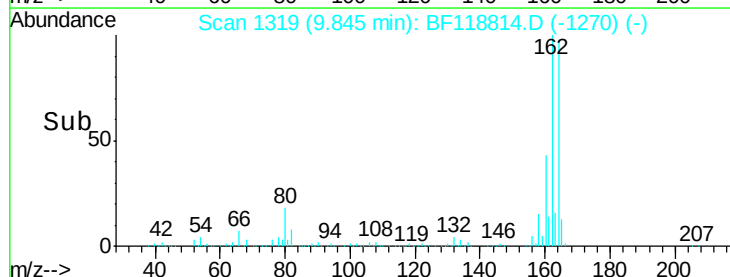
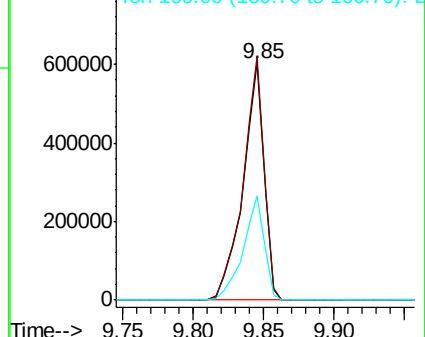
164 100

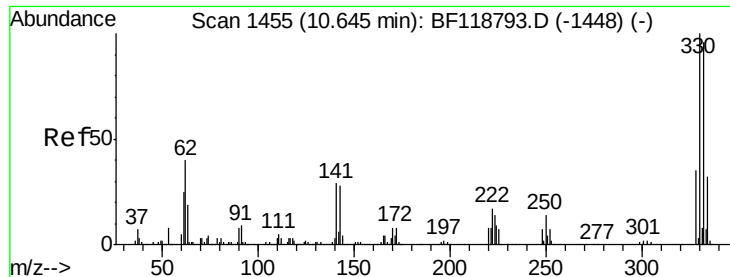
162 102.7 81.4 122.2

160 44.0 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

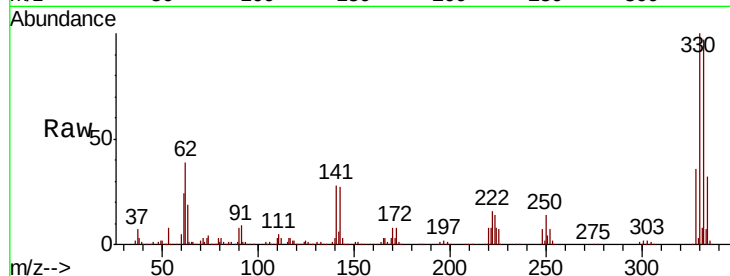




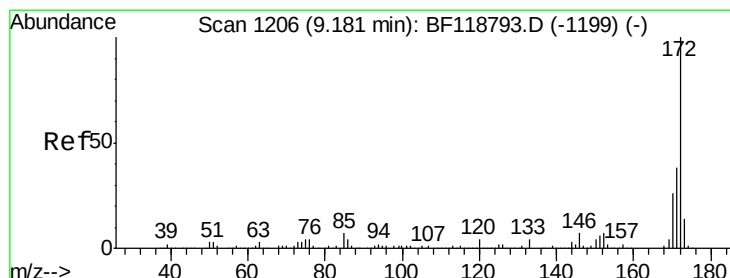
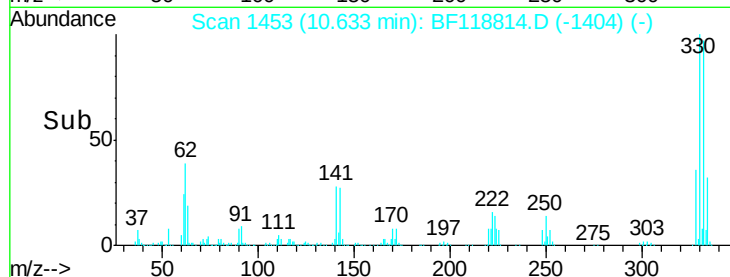
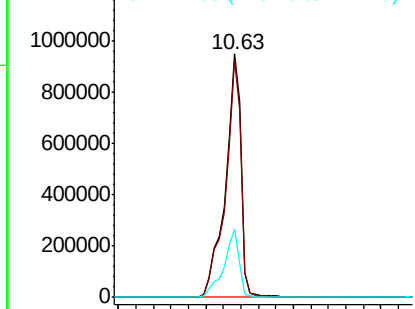
#42
 2,4,6-Tribromophenol
 Concen: 159.421 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF118814.D
 Acq: 4 Feb 2020 21:12

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 1192634
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.3 115.9
 141 27.3 22.4 33.6

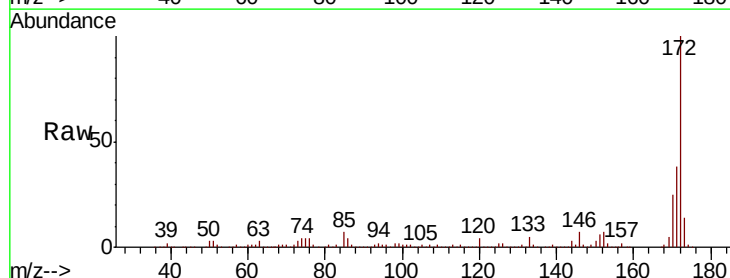


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

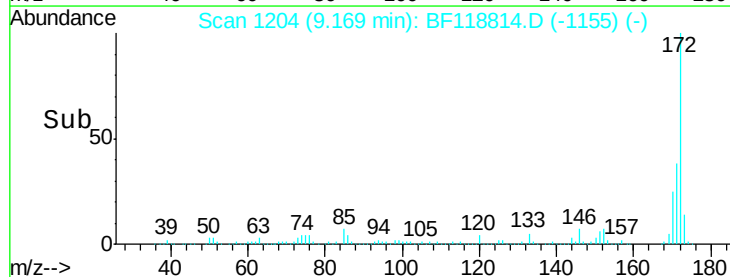
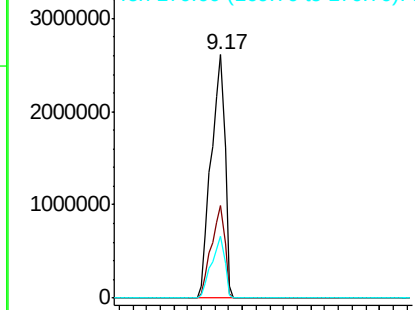


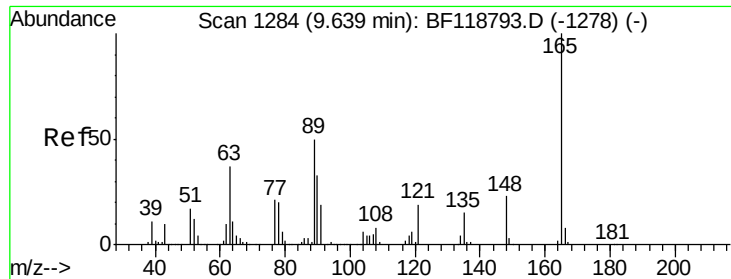
#45
 2-Fluorobiphenyl
 Concen: 104.288 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF118814.D
 Acq: 4 Feb 2020 21:12

Tgt Ion:172 Resp: 3647364
 Ion Ratio Lower Upper
 172 100
 171 37.9 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

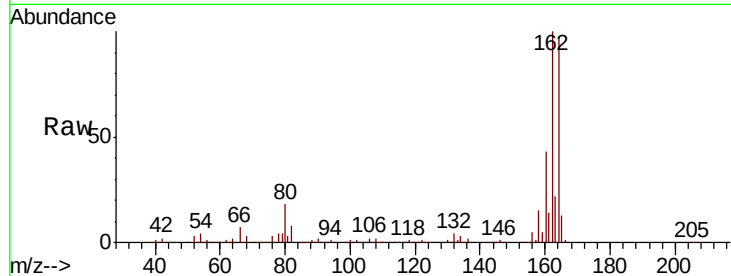




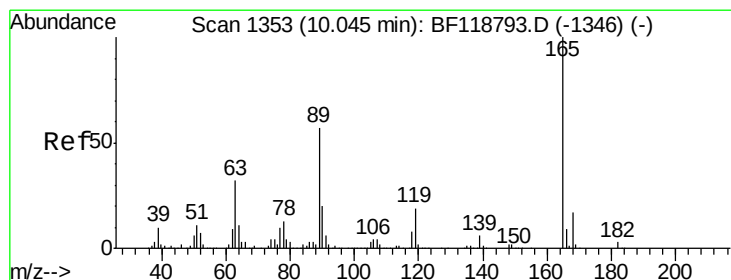
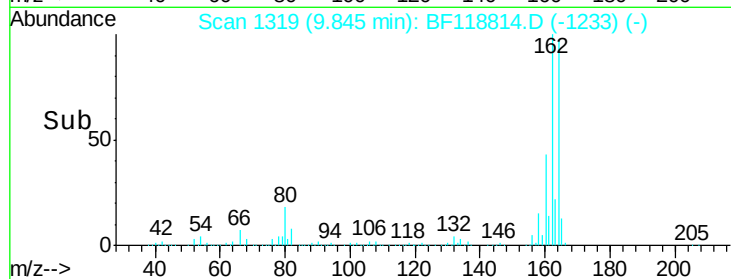
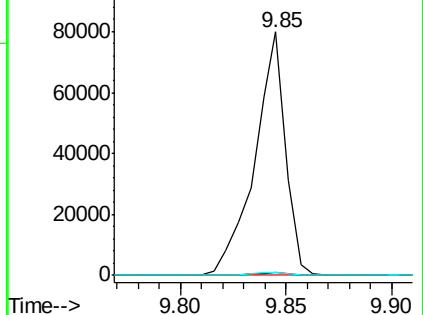
#51
 2,6-Dinitrotoluene
 Concen: 8.294 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.21 min
 Lab File: BF118814.D
 Acq: 4 Feb 2020 21:12

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	37.4	56.0#
89	1.1	39.7	59.5#

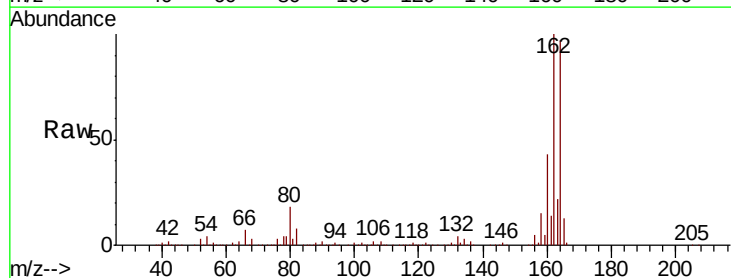


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

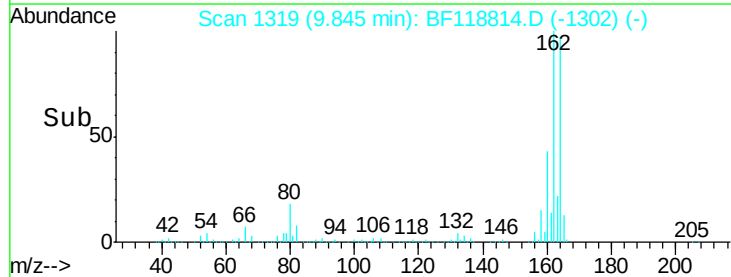
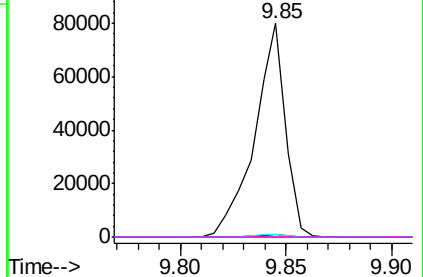


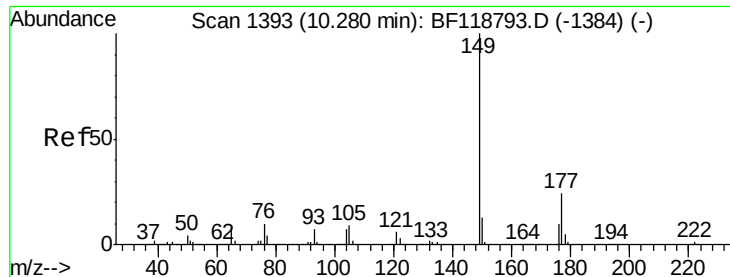
#57
 2,4-Dinitrotoluene
 Concen: 6.267 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.20 min
 Lab File: BF118814.D
 Acq: 4 Feb 2020 21:12

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	25.5	38.3#
89	1.1	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





#60

Diethylphthalate

Concen: 2.070 ng

RT: 10.26 min Scan# 1390

Delta R.T. -0.02 min

Lab File: BF118814.D

Acq: 4 Feb 2020 21:12

Instrument :

BNA_G

ClientSampled :

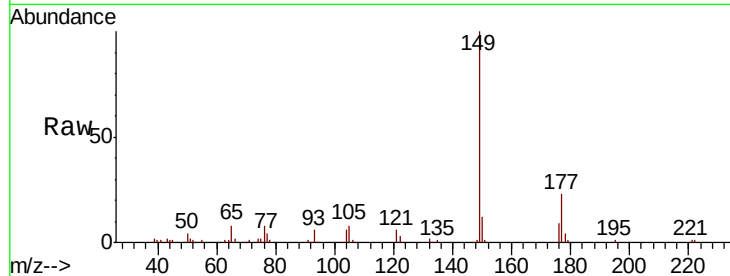
Tot Ion:149 Resp: 85697

Ion Ratio Lower Upper

149 100

177 23.1 19.3 28.9

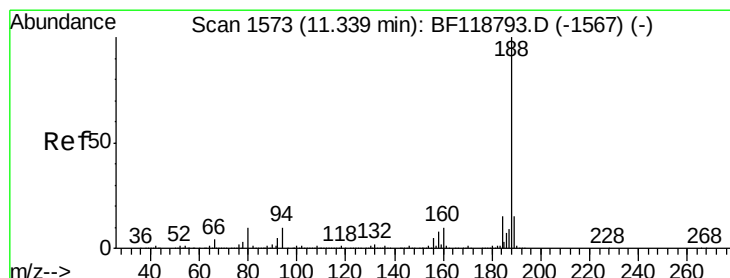
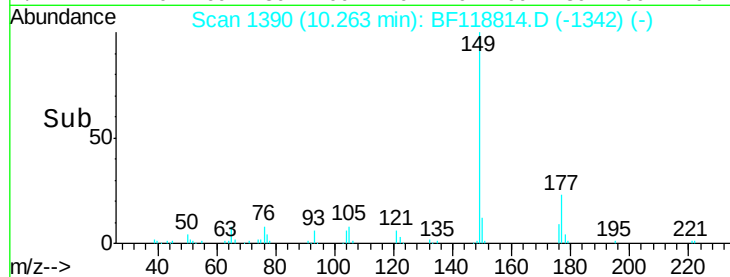
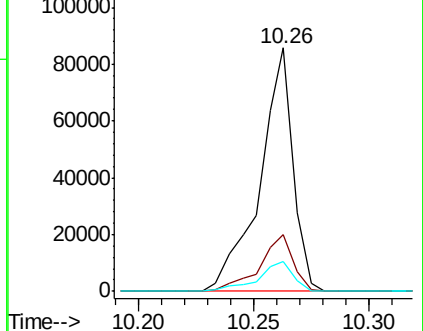
150 12.5 10.4 15.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BF118814.D

Acq: 4 Feb 2020 21:12

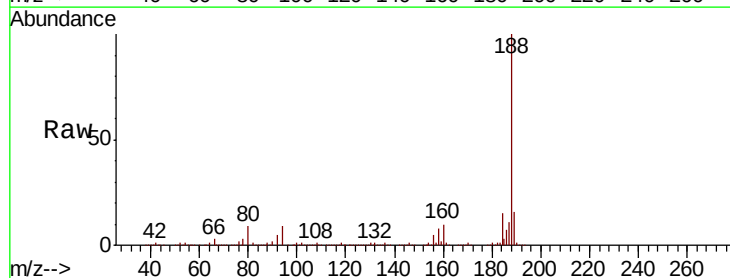
Tgt Ion:188 Resp: 1216885

Ion Ratio Lower Upper

188 100

94 8.9 7.9 11.9

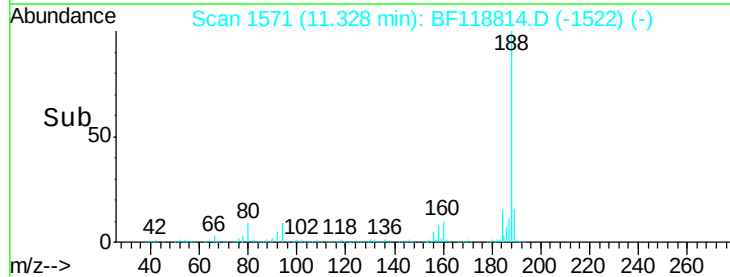
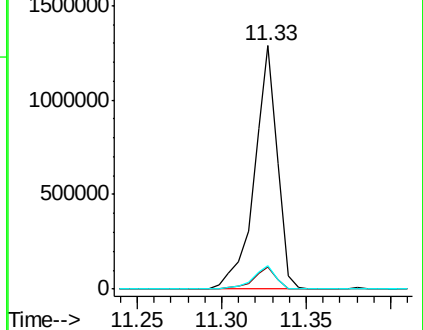
80 9.4 8.4 12.6

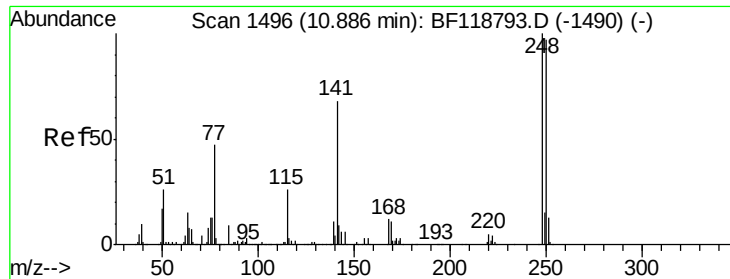


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

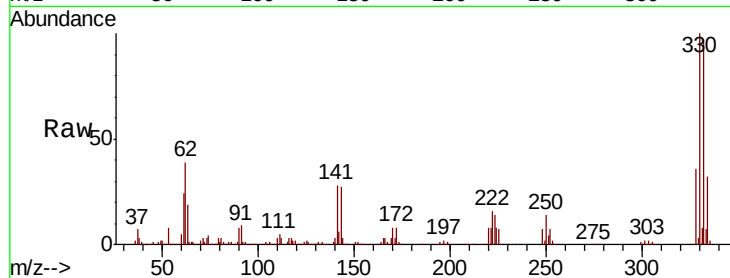




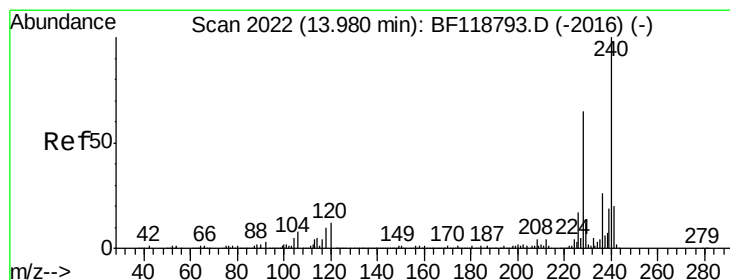
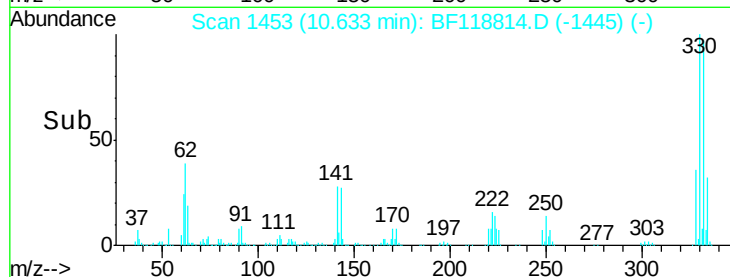
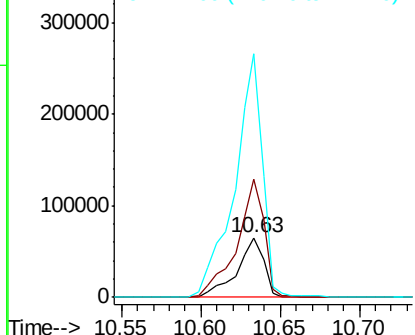
#67
4-Bromophenyl-phenylether
Concen: 5.312 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.25 min
Lab File: BF118814.D
Acq: 4 Feb 2020 21:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 76470
Ion Ratio Lower Upper
248 100
250 198.2 77.6 116.4#
141 410.3 54.4 81.6#

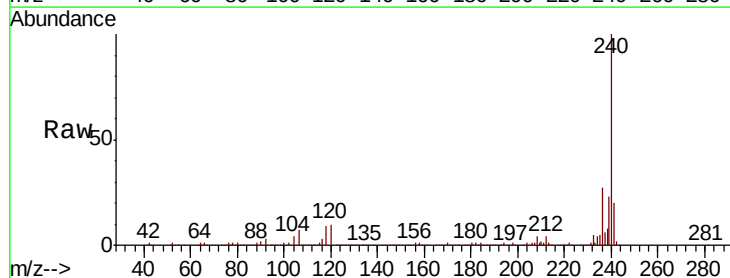


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

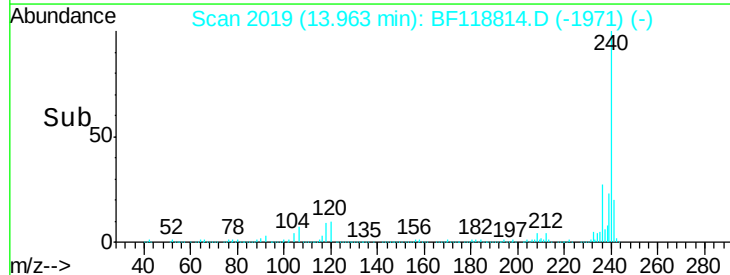
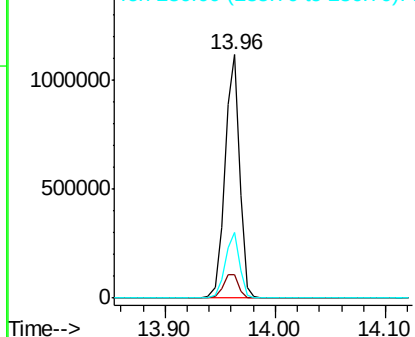


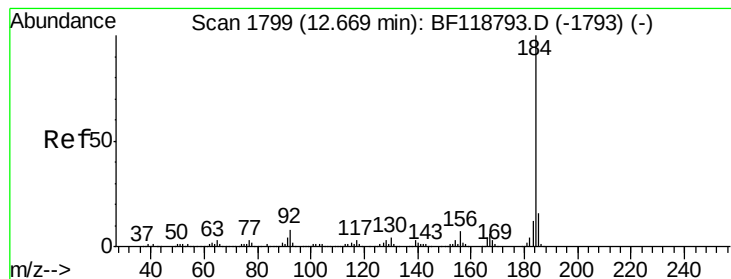
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.02 min
Lab File: BF118814.D
Acq: 4 Feb 2020 21:12

Tgt Ion:240 Resp: 1034211
Ion Ratio Lower Upper
240 100
120 9.9 9.4 14.0
236 26.7 21.0 31.6



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: 2.053 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.25 min

Lab File: BF118814.D

Acq: 4 Feb 2020 21:12

Instrument :

BNA_G

ClientSampleId :

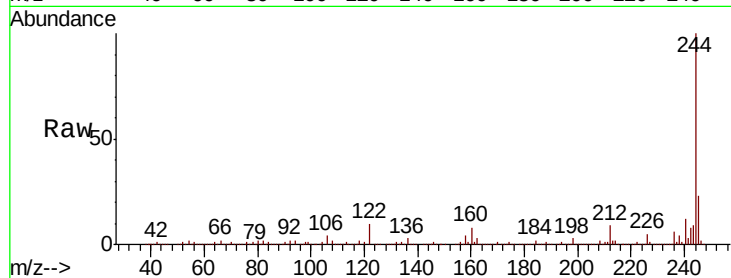
Tot Ion:184 Resp: 64227

Ion Ratio Lower Upper

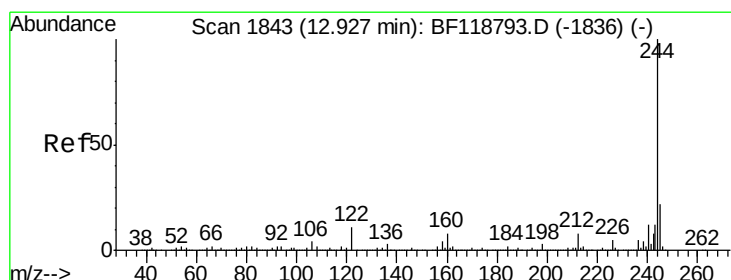
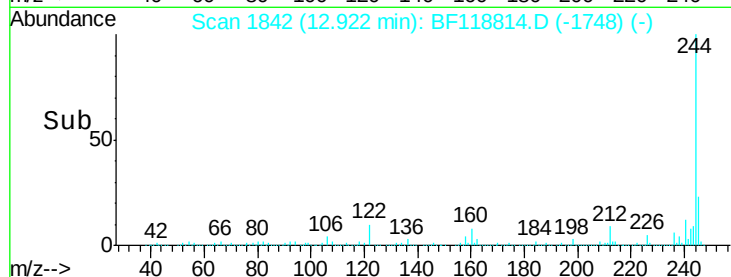
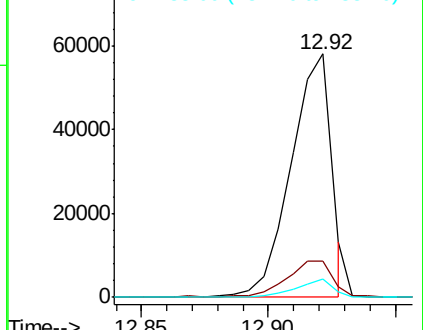
184 100

185 14.8 12.5 18.7

183 7.3 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: 93.959 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.01 min

Lab File: BF118814.D

Acq: 4 Feb 2020 21:12

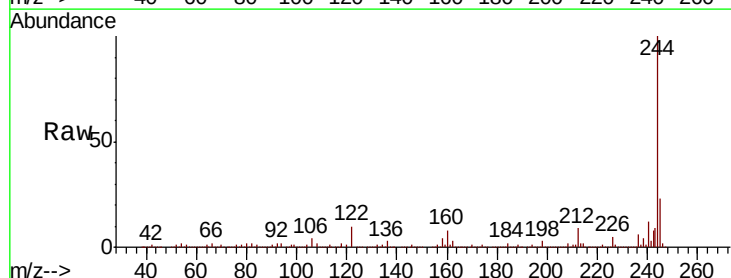
Tgt Ion:244 Resp: 4730861

Ion Ratio Lower Upper

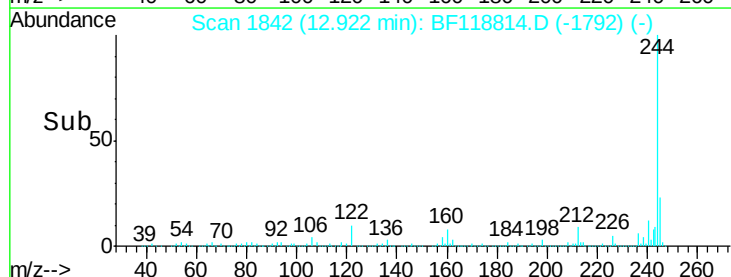
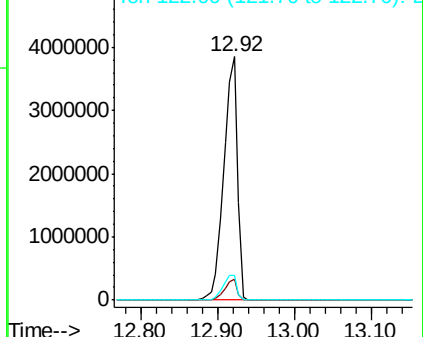
244 100

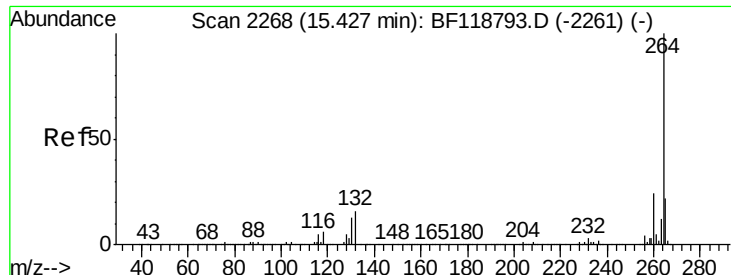
212 8.7 6.5 9.7

122 10.4 8.9 13.3



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



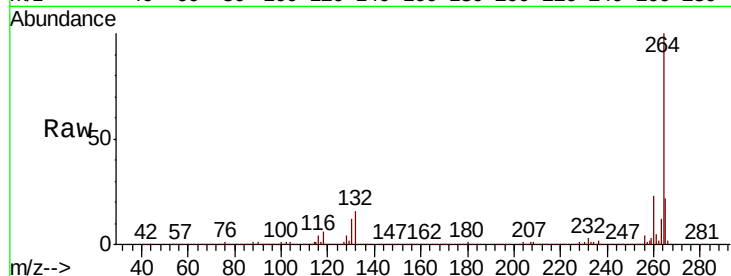


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.02 min
Lab File: BF118814.D
Acq: 4 Feb 2020 21:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion:264 Resp: 1014094

Ion	Ratio	Lower	Upper
264	100		
260	23.4	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

