

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021320\
 Data File : BF118921.D
 Acq On : 13 Feb 2020 15:48
 Operator : CG/JU
 Sample : L1370-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 14 00:35:44 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

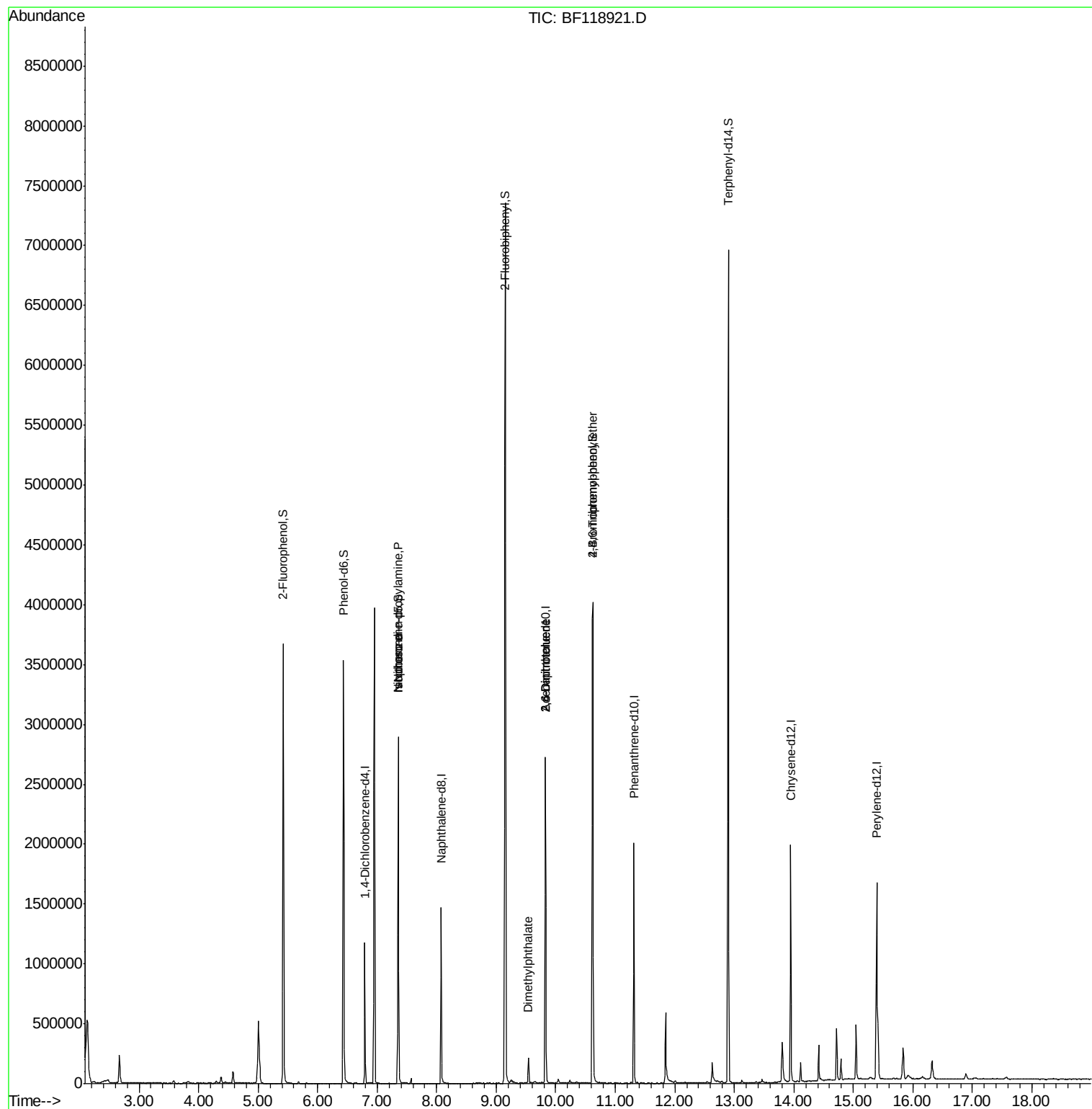
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	176094	20.00	ng	-0.02
21) Naphthalene-d8	8.07	136	672179	20.00	ng	-0.03
39) Acenaphthene-d10	9.83	164	534698	20.00	ng	-0.03
64) Phenanthrene-d10	11.31	188	745994	20.00	ng	-0.03
76) Chrysene-d12	13.95	240	773349	20.00	ng	-0.03
87) Perylene-d12	15.39	264	809913	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1151187	123.75	ng	-0.01
7) Phenol-d6	6.43	99	1288178	111.55	ng	-0.02
23) Nitrobenzene-d5	7.36	82	985306	87.37	ng	-0.02
42) 2,4,6-Tribromophenol	10.62	330	645837	100.95	ng	-0.02
45) 2-Fluorobiphenyl	9.15	172	2471511	82.63	ng	-0.03
79) Terphenyl-d14	12.90	244	2955833	78.51	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.43	77	2119	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.36	70	136068	19.258 ng	#	77
25) Isophorone	7.36	82	985427	48.621 ng	#	63
50) Dimethylphthalate	9.55	163	96582	2.653 ng		96
51) 2,6-Dinitrotoluene	9.83	165	69420	8.333 ng	#	31
57) 2,4-Dinitrotoluene	9.83	165	69421	6.297 ng	#	34
67) 4-Bromophenyl-phenylether	10.62	248	42472	4.813 ng	#	1

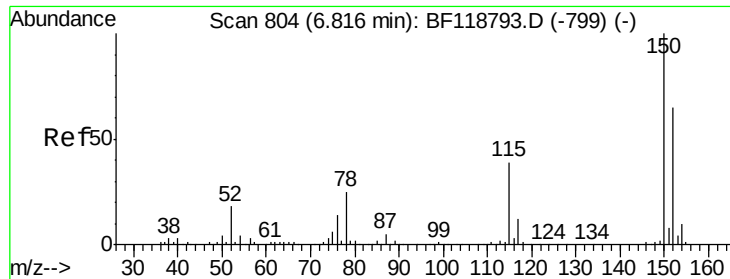
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Feb 03 16:26:03 2020
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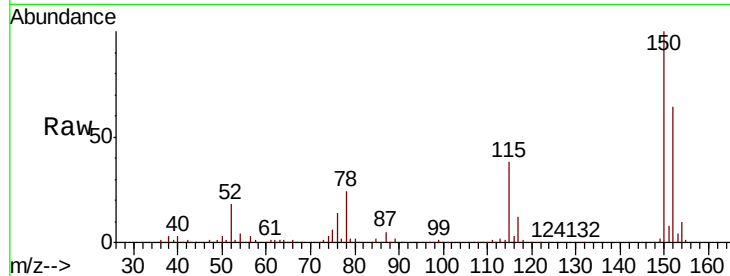


#1

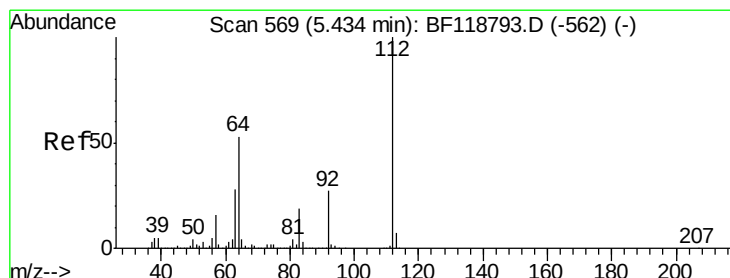
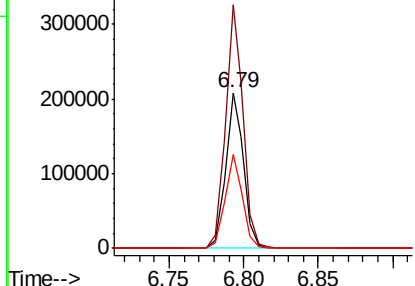
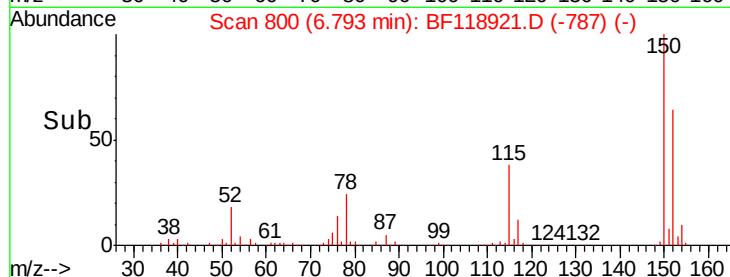
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.02 min
Lab File: BF118921.D
Acq: 13 Feb 2020 15:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 176094
Ion Ratio Lower Upper
152 100
150 156.3 123.6 185.4
115 59.9 48.2 72.2



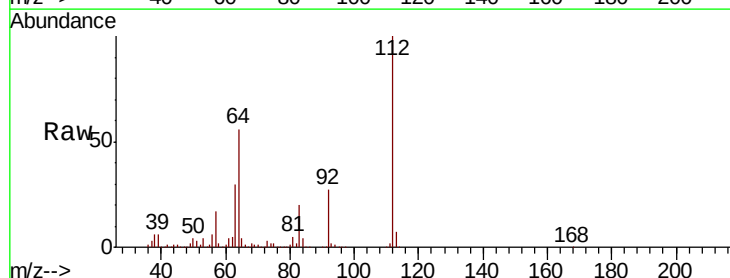
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



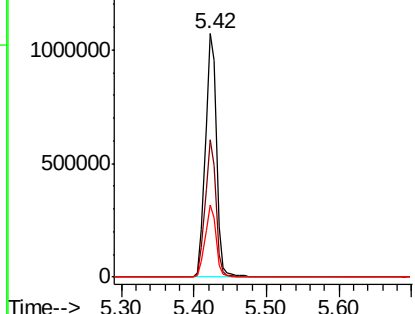
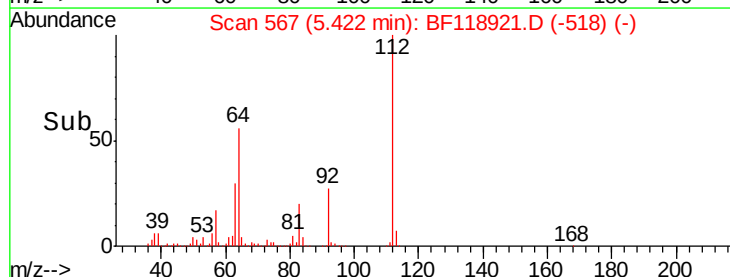
#5

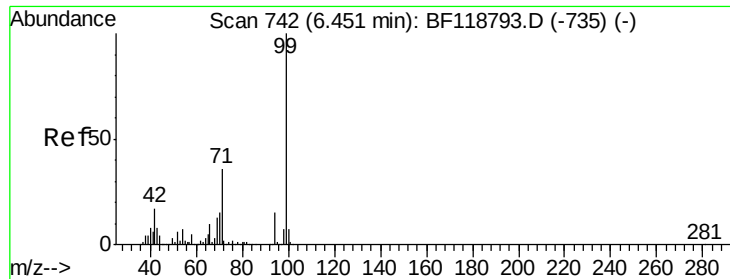
2-Fluorophenol
Concen: 123.747 ng
RT: 5.42 min Scan# 567
Delta R.T. -0.01 min
Lab File: BF118921.D
Acq: 13 Feb 2020 15:48

Tgt Ion:112 Resp: 1151187
Ion Ratio Lower Upper
112 100
64 56.3 42.6 63.8
63 29.7 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: 111.550 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.02 min

Lab File: BF118921.D

Acq: 13 Feb 2020 15:48

Instrument :

BNA_F

ClientSampleId :

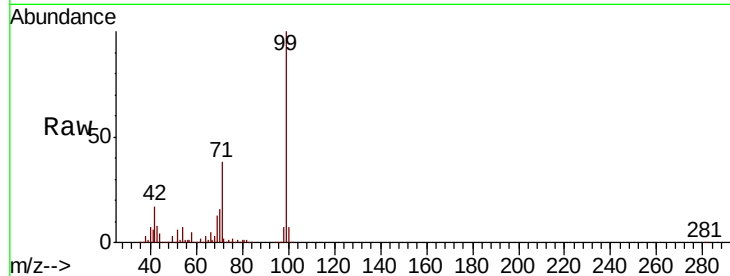
Tot Ion: 99 Resp: 1288178

Ion Ratio Lower Upper

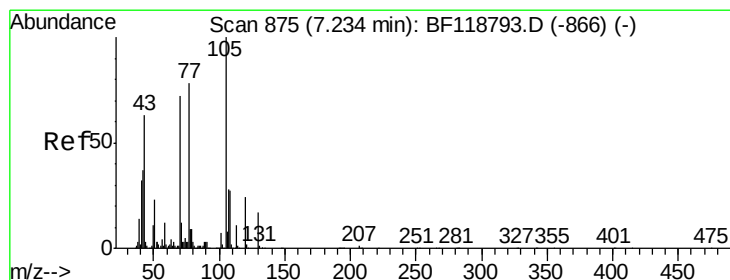
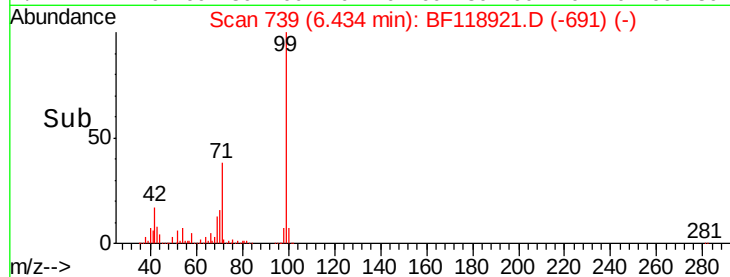
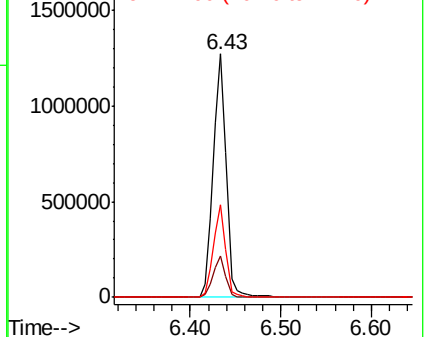
99 100

42 17.2 13.4 20.0

71 37.9 29.0 43.6



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: 19.258 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.12 min

Lab File: BF118921.D

Acq: 13 Feb 2020 15:48

Tgt Ion: 70 Resp: 136068

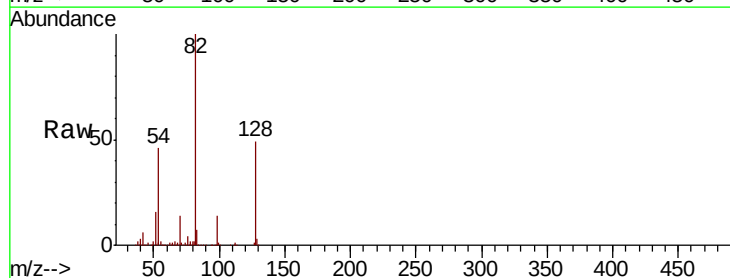
Ion Ratio Lower Upper

70 100

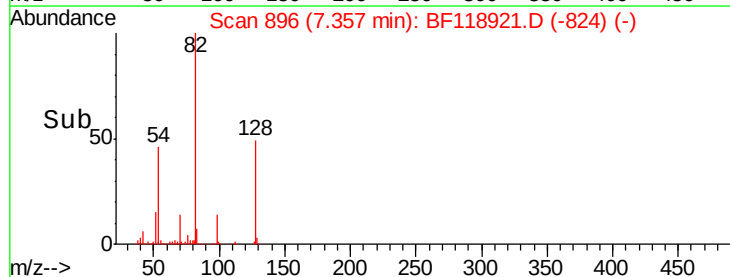
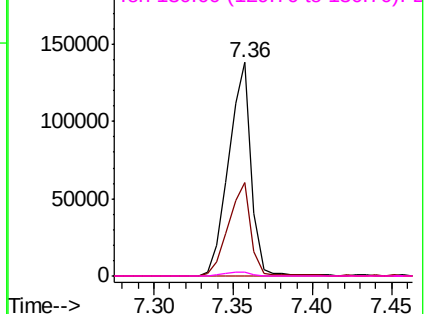
42 43.5 41.5 62.3

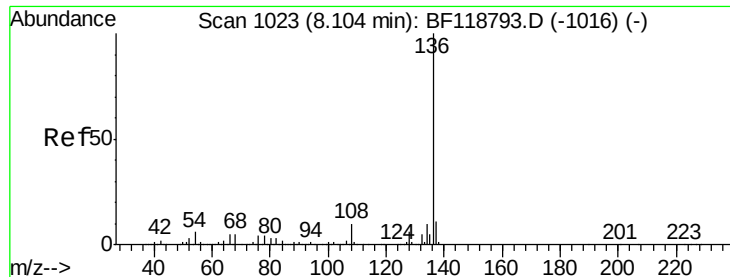
101 0.0 8.3 12.5#

130 2.1 19.2 28.8#



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): E
Ion 130.00 (129.70 to 130.70): E

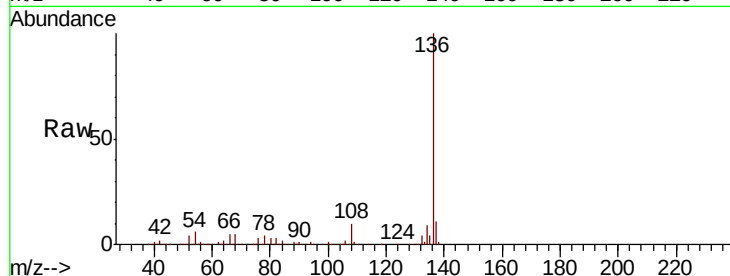




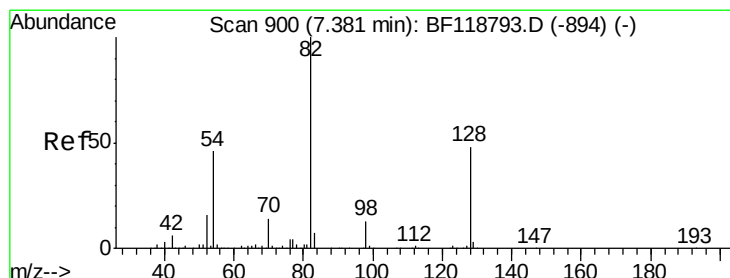
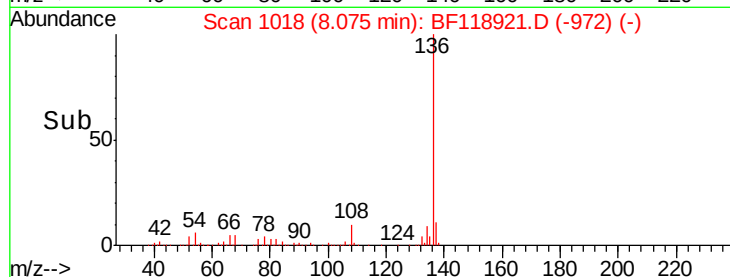
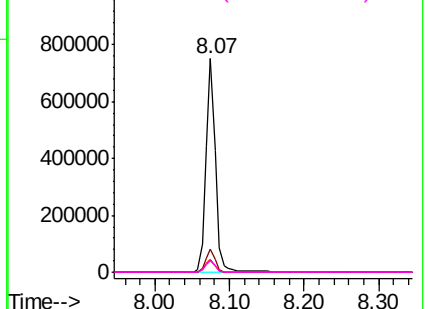
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.03 min
Lab File: BF118921.D
Acq: 13 Feb 2020 15:48

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	672179
Ion Ratio	Lower	Upper
136 100		
137 11.0	8.7	13.1
54 6.3	5.0	7.6
68 5.4	4.2	6.4

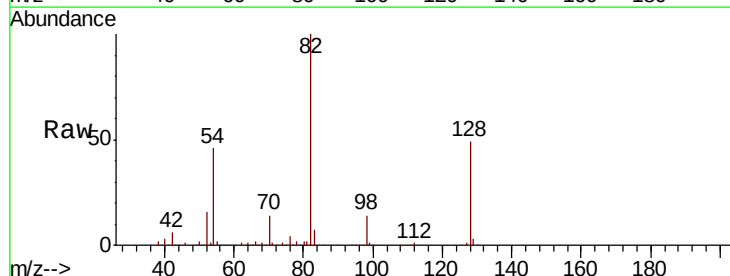


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

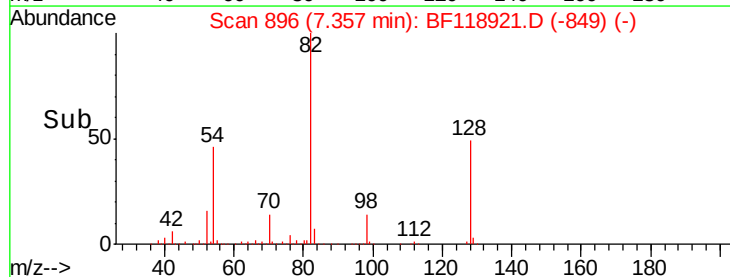
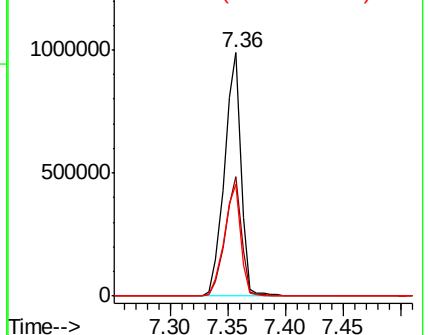


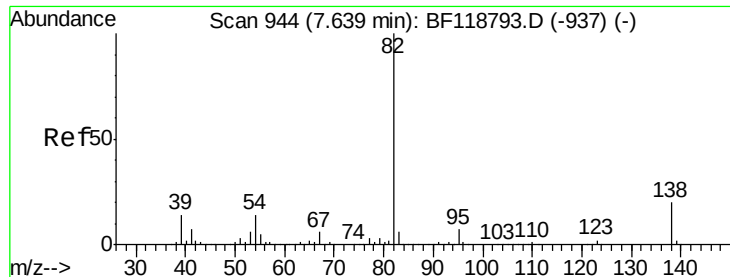
#23
Nitrobenzene-d5
Concen: 87.371 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.02 min
Lab File: BF118921.D
Acq: 13 Feb 2020 15:48

Tgt Ion: 82	Resp: 985306
Ion Ratio	Lower Upper
82 100	
128 49.0	38.5 57.7
54 45.9	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: 48.621 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.28 min

Lab File: BF118921.D

Acq: 13 Feb 2020 15:48

Instrument :

BNA_F

ClientSampleId :

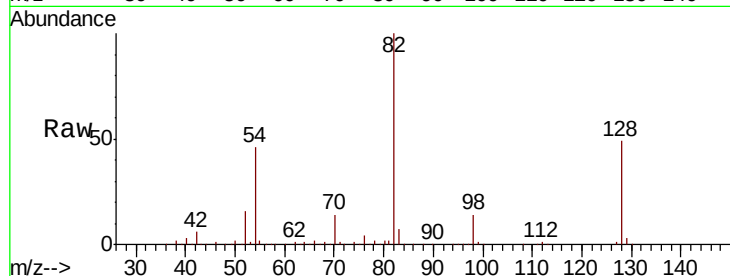
Tot Ion: 82 Resp: 985427

Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

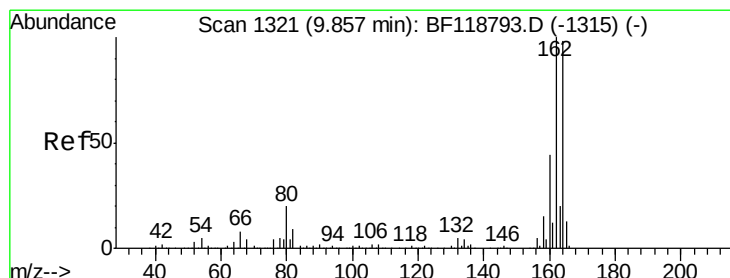
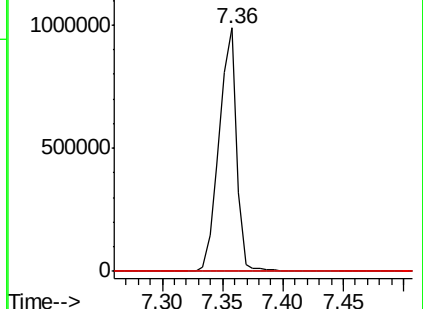
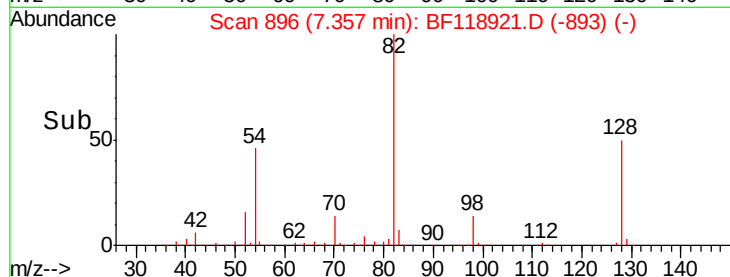
138 0.0 15.7 23.5#



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: 9.83 min Scan# 1316

Delta R.T. -0.03 min

Lab File: BF118921.D

Acq: 13 Feb 2020 15:48

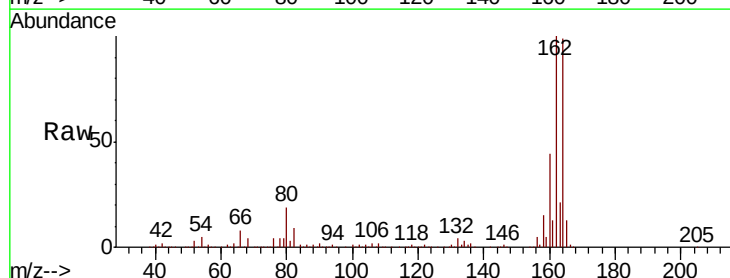
Tgt Ion: 164 Resp: 534698

Ion Ratio Lower Upper

164 100

162 101.4 81.4 122.2

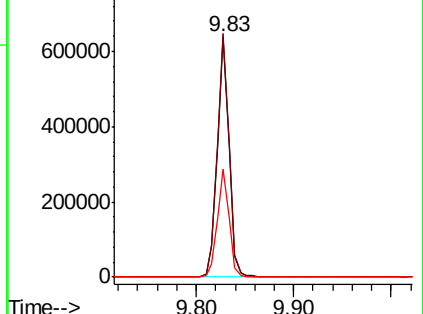
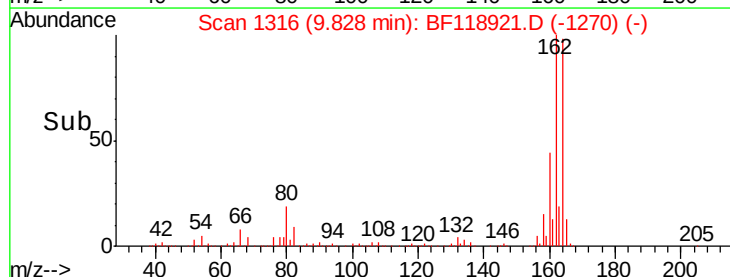
160 45.0 35.6 53.4

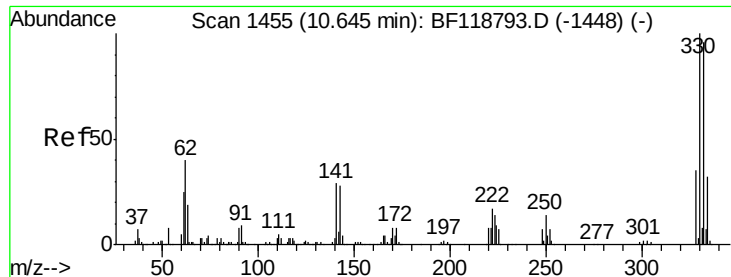


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 100.947 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.02 min

Lab File: BF118921.D

Acq: 13 Feb 2020 15:48

Instrument :

BNA_F

ClientSampleId :

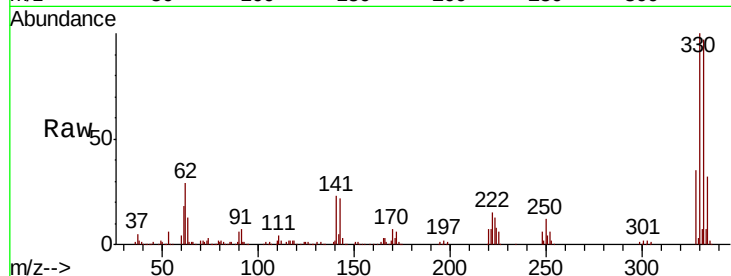
Tot Ion:330 Resp: 645837

Ion Ratio Lower Upper

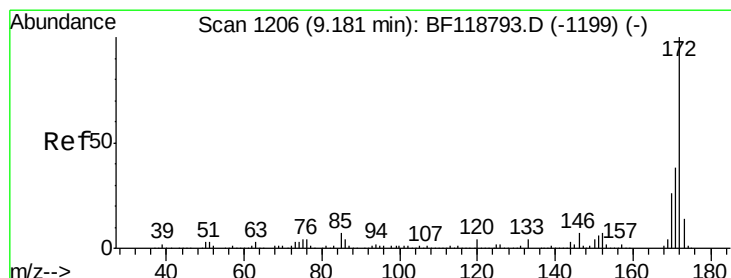
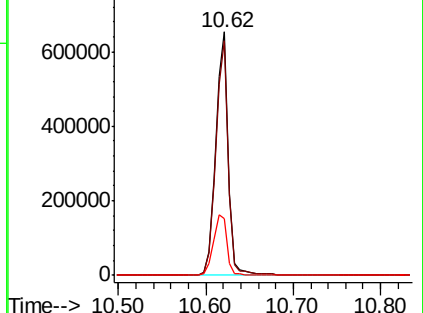
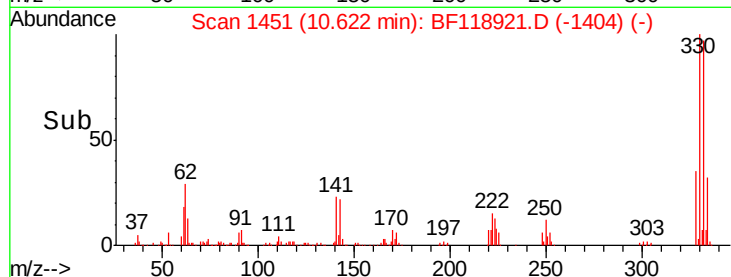
330 100

332 96.5 77.3 115.9

141 27.4 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: 82.632 ng

RT: 9.15 min Scan# 1201

Delta R.T. -0.03 min

Lab File: BF118921.D

Acq: 13 Feb 2020 15:48

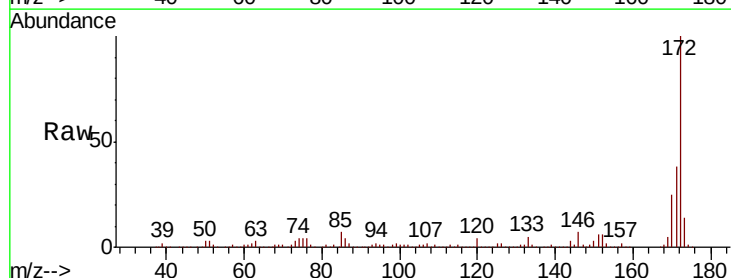
Tgt Ion:172 Resp: 2471511

Ion Ratio Lower Upper

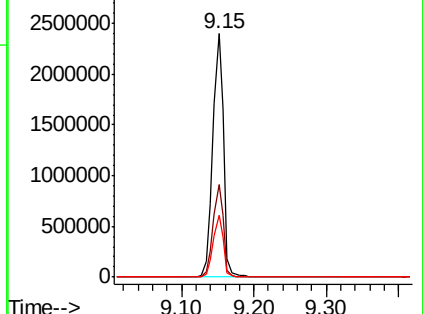
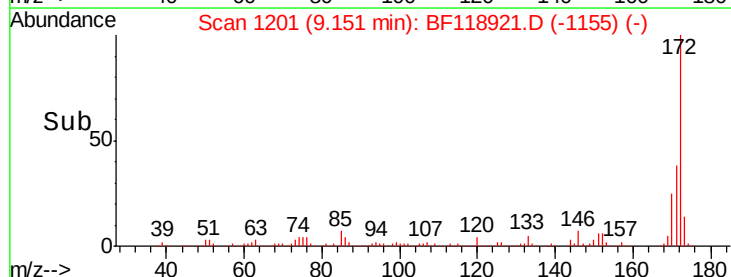
172 100

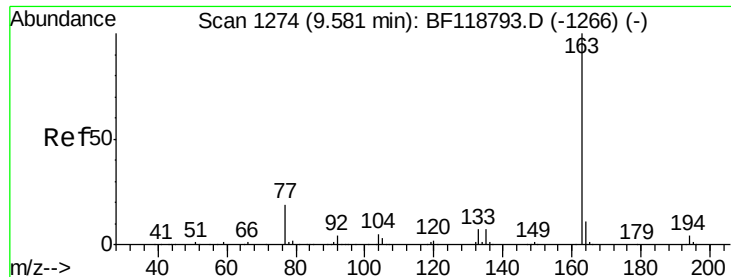
171 37.9 30.8 46.2

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





#50

Dimethylphthalate

Concen: 2.653 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.04 min

Lab File: BF118921.D

Acq: 13 Feb 2020 15:48

Instrument :

BNA_F

ClientSampled :

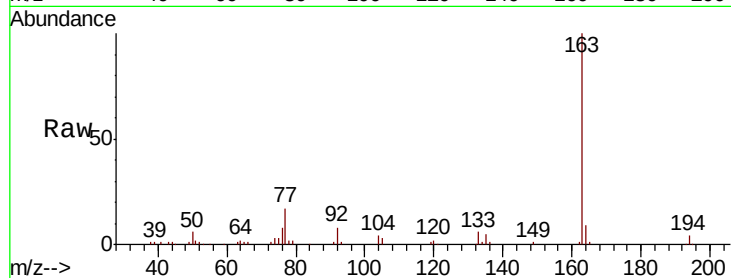
Tot Ion:163 Resp: 96582

Ion Ratio Lower Upper

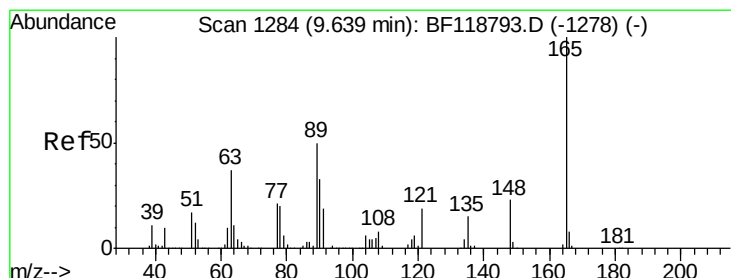
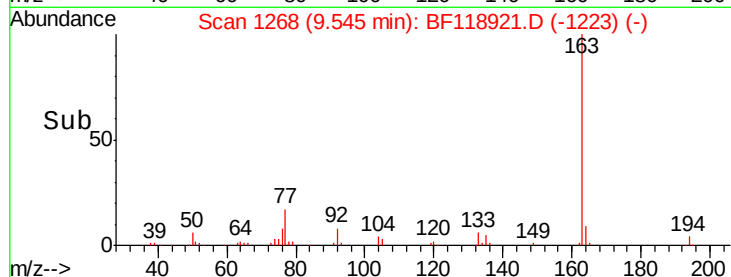
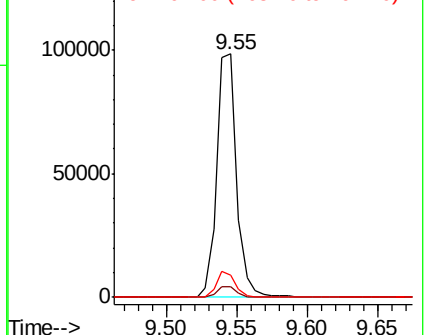
163 100

194 4.4 3.6 5.4

164 9.0 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: 8.333 ng

RT: 9.83 min Scan# 1316

Delta R.T. 0.19 min

Lab File: BF118921.D

Acq: 13 Feb 2020 15:48

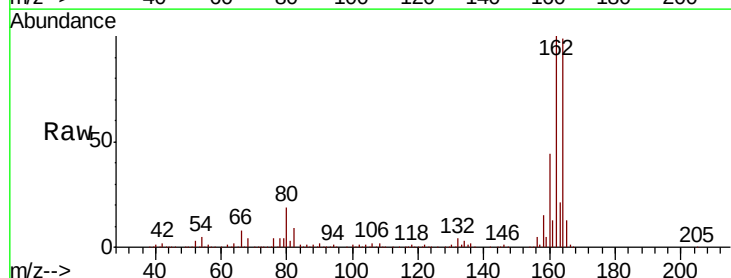
Tgt Ion:165 Resp: 69420

Ion Ratio Lower Upper

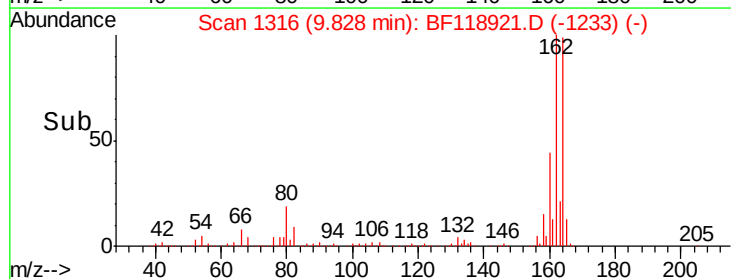
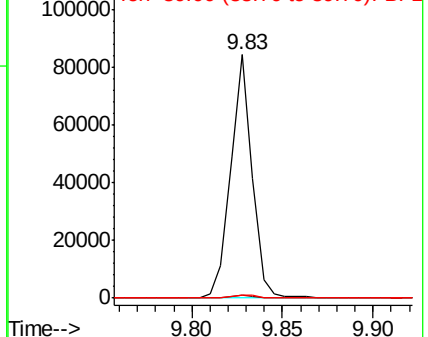
165 100

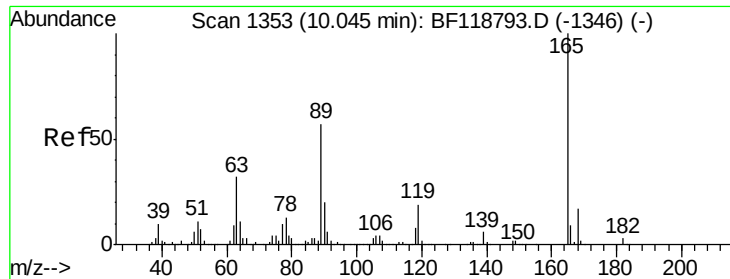
63 1.1 37.4 56.0#

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

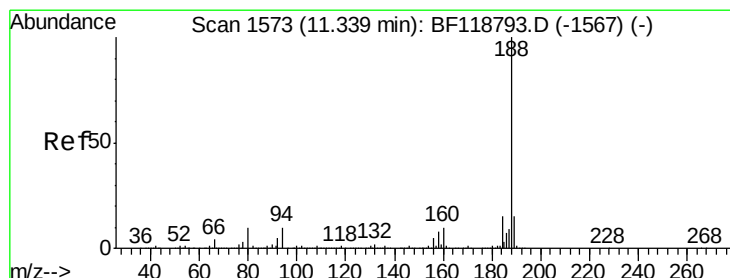
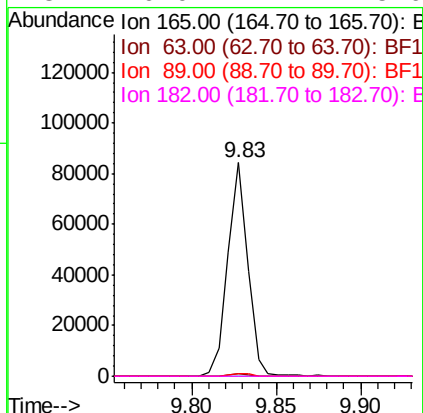
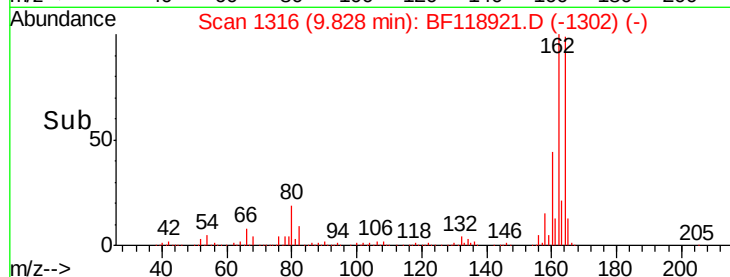
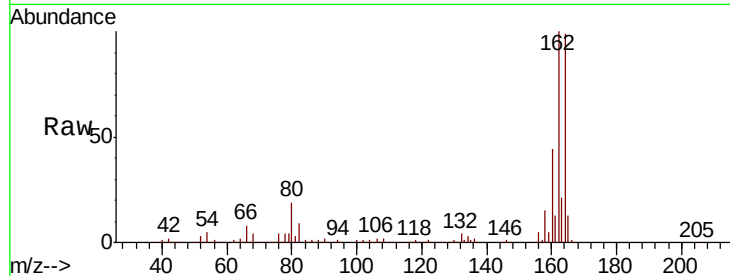




#57
 2,4-Dinitrotoluene
 Concen: 6.297 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.22 min
 Lab File: BF118921.D
 Acq: 13 Feb 2020 15:48

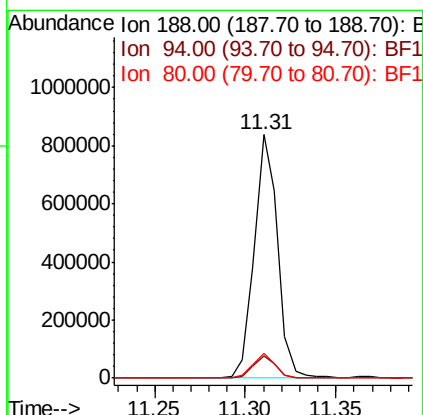
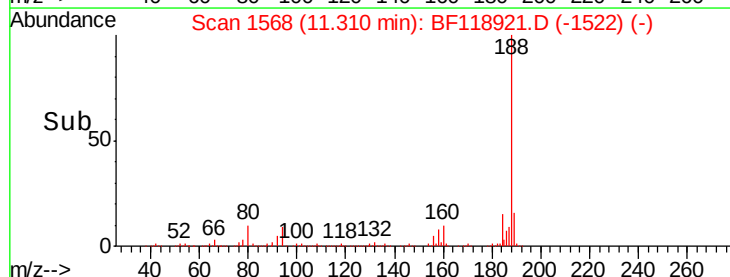
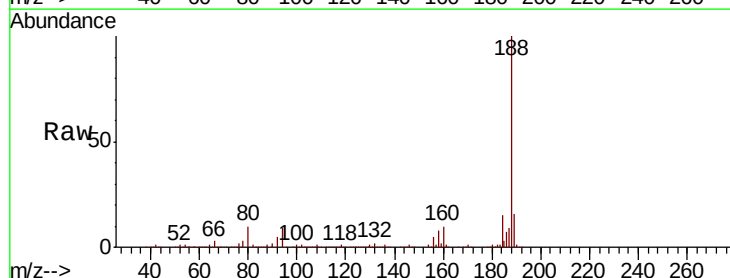
Instrument :
 BNA_F
 ClientSampleId :

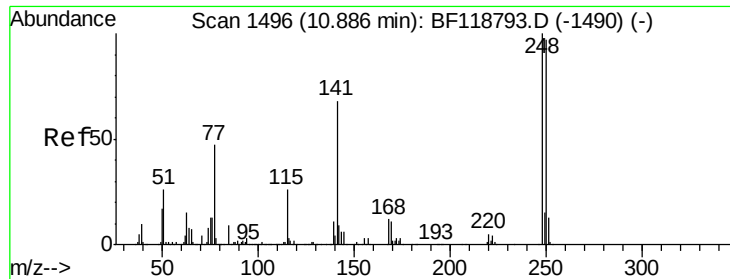
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	25.5	38.3#
89	1.3	45.4	68.0#
182	0.0	2.4	3.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.03 min
 Lab File: BF118921.D
 Acq: 13 Feb 2020 15:48

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.9	11.9
80	10.0	8.4	12.6

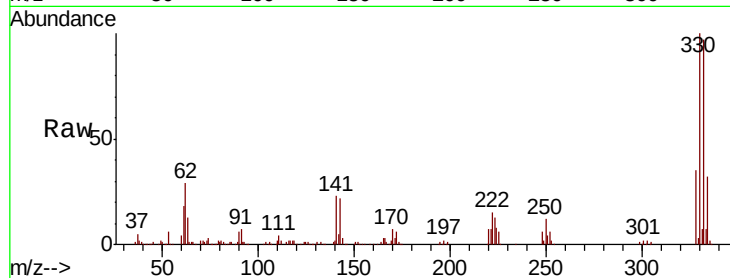




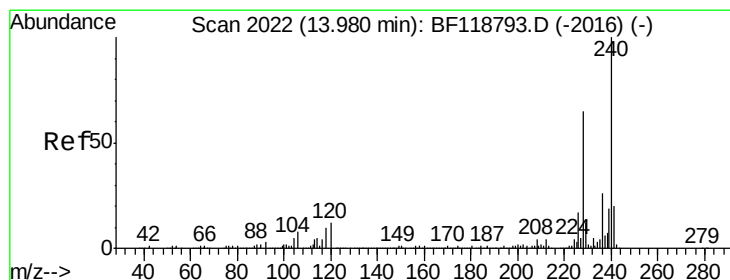
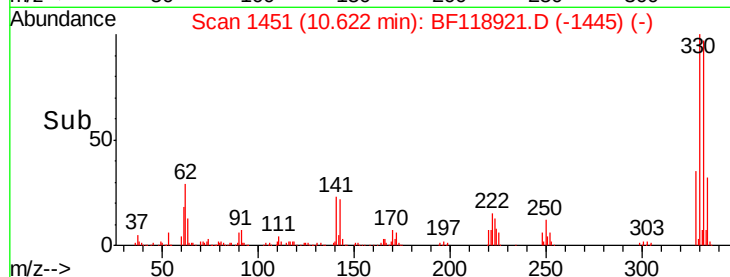
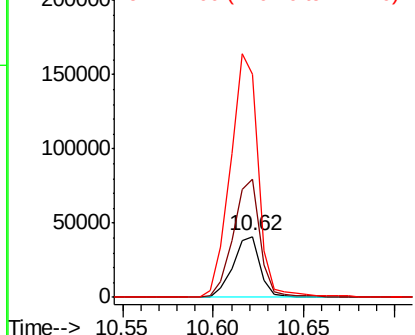
#67
4-Bromophenyl-phenylether
Concen: 4.813 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.26 min
Lab File: BF118921.D
Acq: 13 Feb 2020 15:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 42472
Ion Ratio Lower Upper
248 100
250 195.7 77.6 116.4#
141 368.5 54.4 81.6#

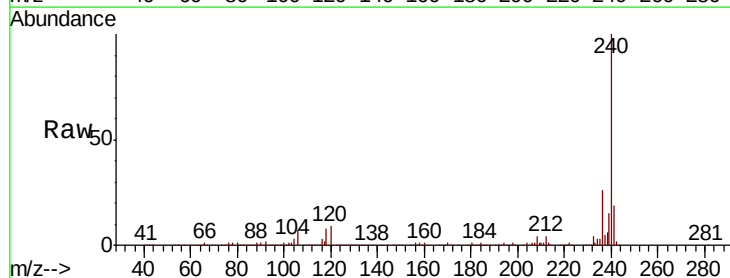


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

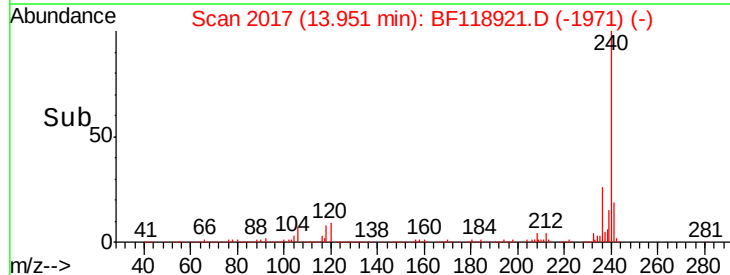
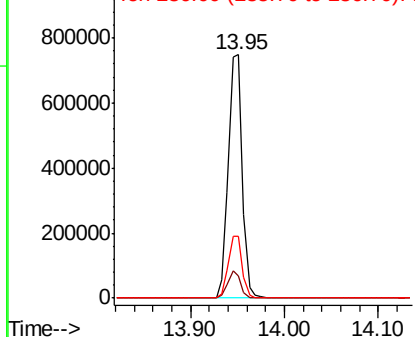


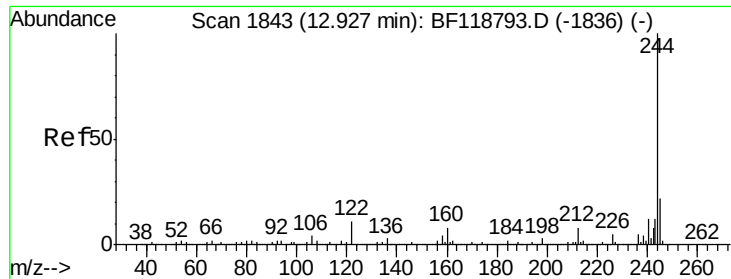
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.03 min
Lab File: BF118921.D
Acq: 13 Feb 2020 15:48

Tgt Ion:240 Resp: 773349
Ion Ratio Lower Upper
240 100
120 9.2 9.4 14.0#
236 25.5 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





#79

Terphenyl-d14

Concen: 78.508 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.03 min

Lab File: BF118921.D

Acq: 13 Feb 2020 15:48

Instrument :

BNA_F

ClientSampleId :

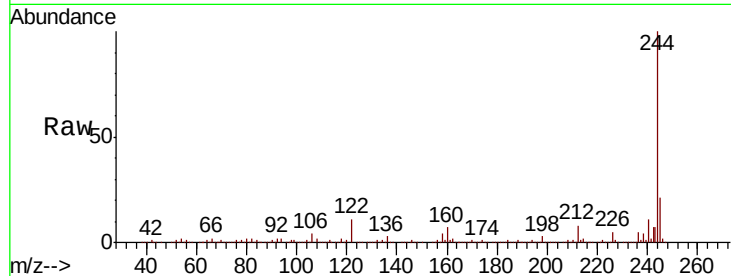
Tot Ion:244 Resp: 2955833

Ion Ratio Lower Upper

244 100

212 7.9 6.5 9.7

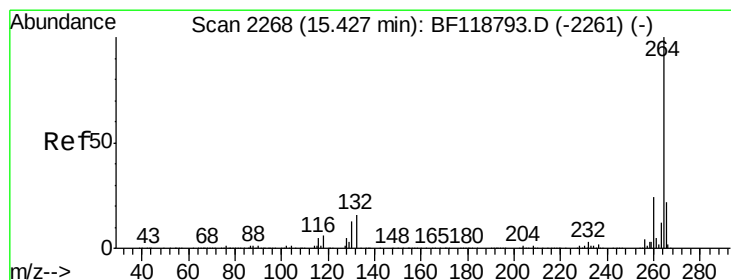
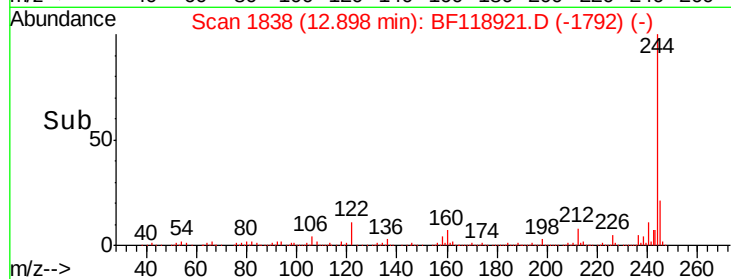
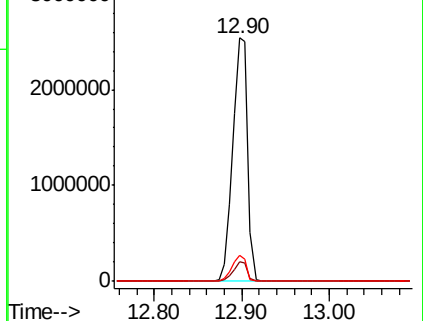
122 10.8 8.9 13.3



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

Perylene-d12

Concen: 20.000 ng

RT: 15.39 min Scan# 2262

Delta R.T. -0.04 min

Lab File: BF118921.D

Acq: 13 Feb 2020 15:48

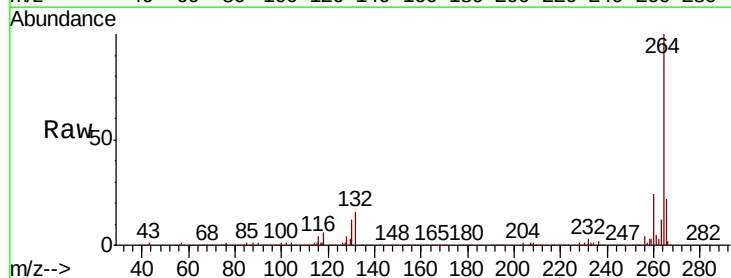
Tgt Ion:264 Resp: 809913

Ion Ratio Lower Upper

264 100

260 23.6 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

