

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030520\
 Data File : BF119228.D
 Acq On : 5 Mar 2020 23:01
 Operator : CG/JU
 Sample : PB127239TB
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 06 06:30:38 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 26 16:03:05 2020
 Response via : Initial Calibration

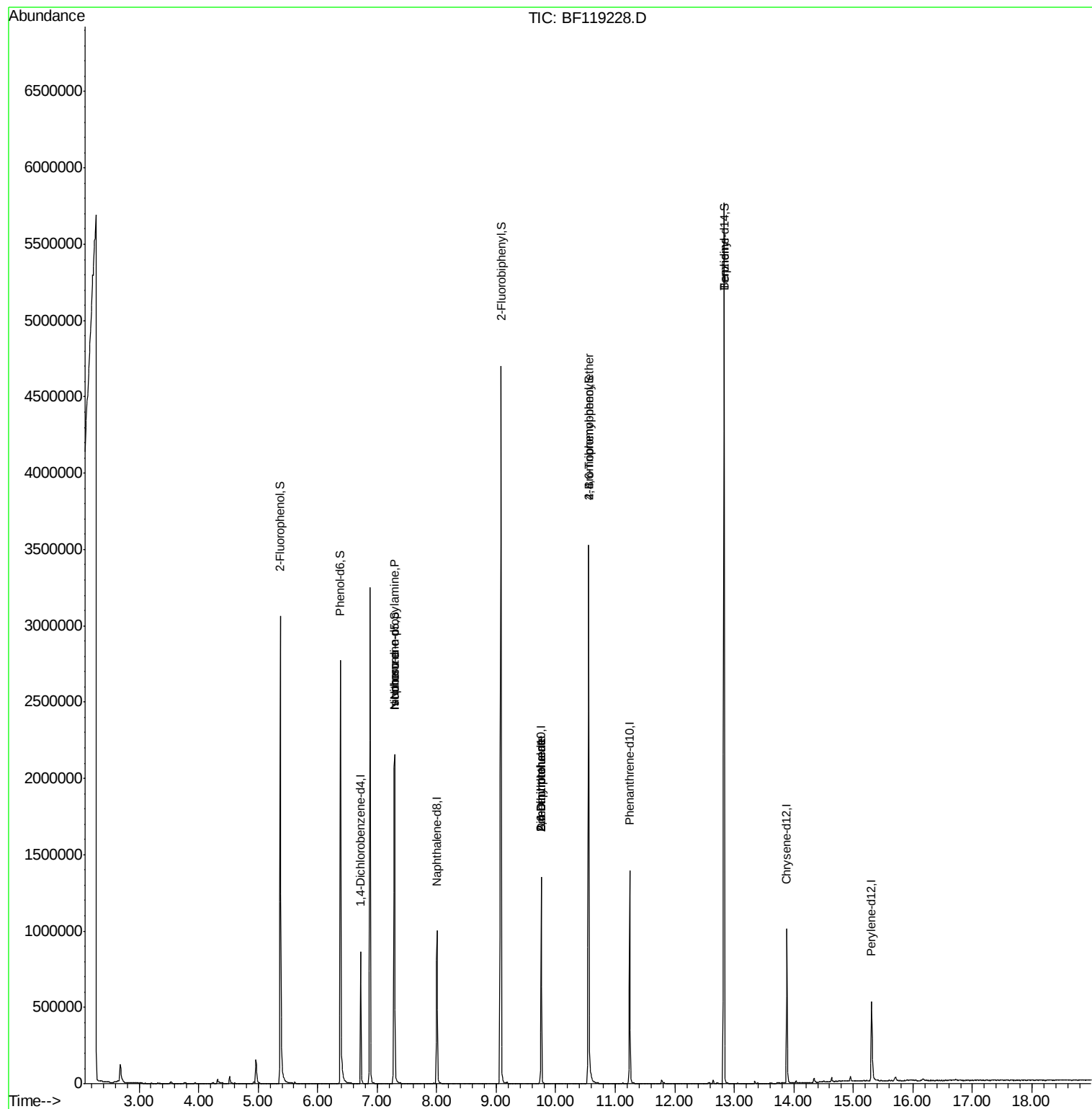
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	136241	20.00	ng	-0.02
21) Naphthalene-d8	8.00	136	521377	20.00	ng	-0.03
39) Acenaphthene-d10	9.76	164	293419	20.00	ng	-0.03
64) Phenanthrene-d10	11.24	188	565214	20.00	ng	-0.02
76) Chrysene-d12	13.88	240	351186	20.00	ng	-0.02
87) Perylene-d12	15.30	264	277165	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	1031335	126.51	ng	0.00
7) Phenol-d6	6.39	99	1231004	124.16	ng	-0.02
23) Nitrobenzene-d5	7.29	82	867105	87.81	ng	-0.03
42) 2,4,6-Tribromophenol	10.55	330	521099	135.76	ng	-0.02
45) 2-Fluorobiphenyl	9.08	172	1710839	85.90	ng	-0.03
79) Terphenyl-d14	12.83	244	2249511	110.28	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	122330	21.174	ng	# 75
25) Isophorone	7.29	82	867099	50.562	ng	# 63
50) Dimethylphthalate	9.76	163	61810	2.755	ng	# 1
51) 2,6-Dinitrotoluene	9.76	165	37434	7.509	ng	# 33
57) 2,4-Dinitrotoluene	9.76	165	37434	5.794	ng	# 21
67) 4-Bromophenyl-phenylether	10.55	248	34741	4.702	ng	# 1
77) Benzidine	12.83	184	29855	2.090	ng	# 92

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

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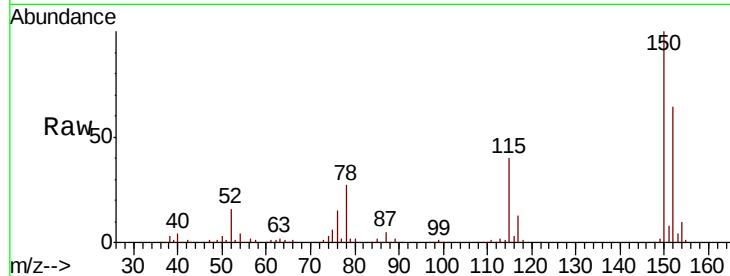


#1

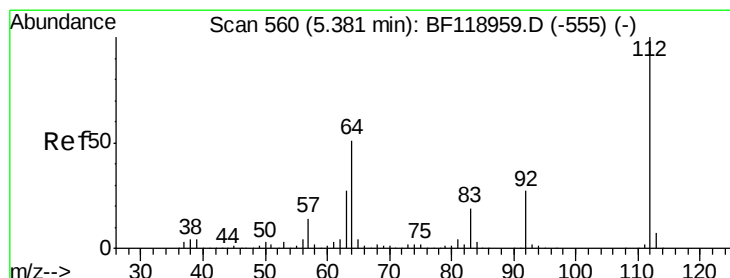
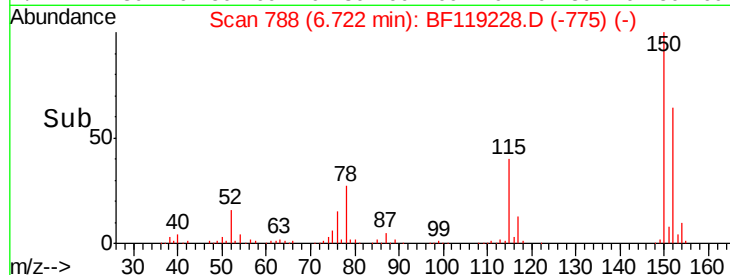
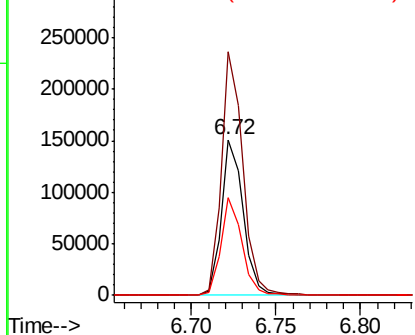
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.02 min
Lab File: BF119228.D
Acq: 5 Mar 2020 23:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 136241
Ion Ratio Lower Upper
152 100
150 156.7 123.0 184.6
115 63.3 49.5 74.3



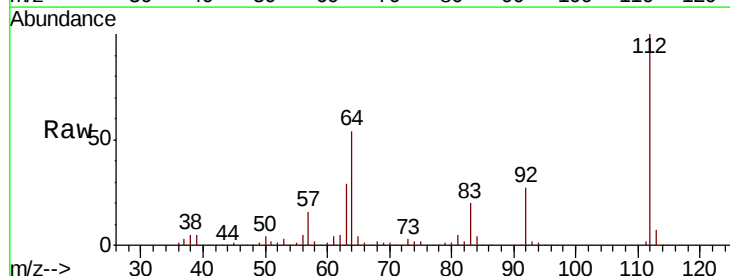
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



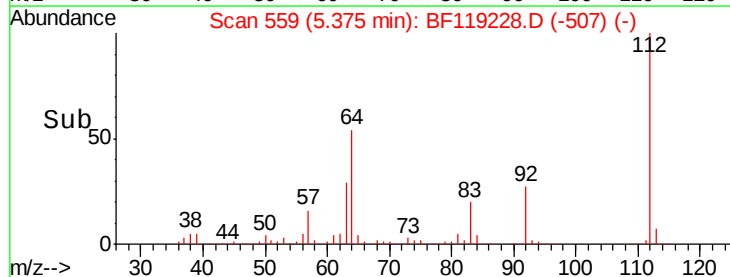
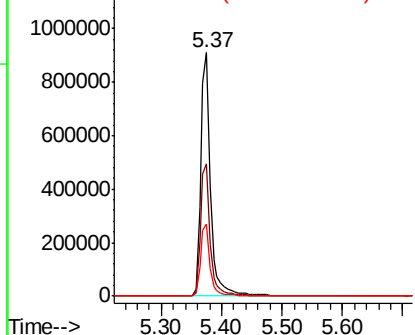
#5

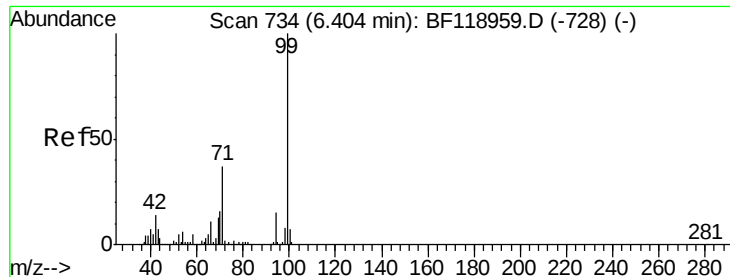
2-Fluorophenol
Concen: 126.507 ng
RT: 5.37 min Scan# 559
Delta R.T. 0.01 min
Lab File: BF119228.D
Acq: 5 Mar 2020 23:01

Tgt Ion:112 Resp: 1031335
Ion Ratio Lower Upper
112 100
64 54.2 45.0 67.4
63 29.4 24.2 36.4



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: 124.158 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.02 min

Lab File: BF119228.D

Acq: 5 Mar 2020 23:01

Instrument :

BNA_F

ClientSampleId :

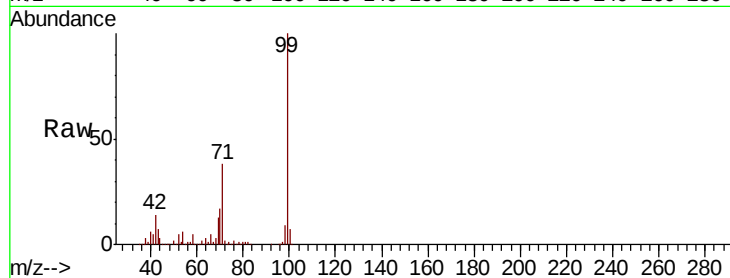
Tot Ion: 99 Resp: 1231004

Ion Ratio Lower Upper

99 100

42 14.3 12.6 18.8

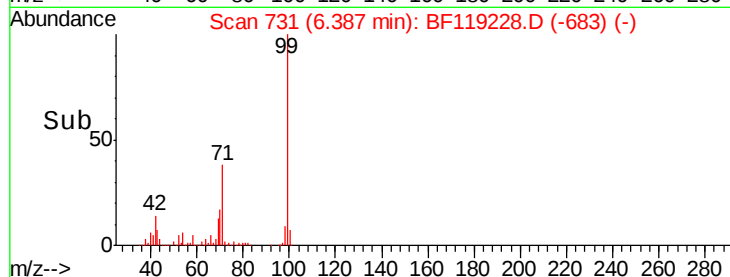
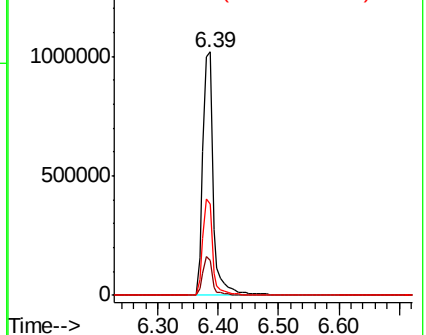
71 37.7 31.0 46.4



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: 21.174 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.11 min

Lab File: BF119228.D

Acq: 5 Mar 2020 23:01

Tgt Ion: 70 Resp: 122330

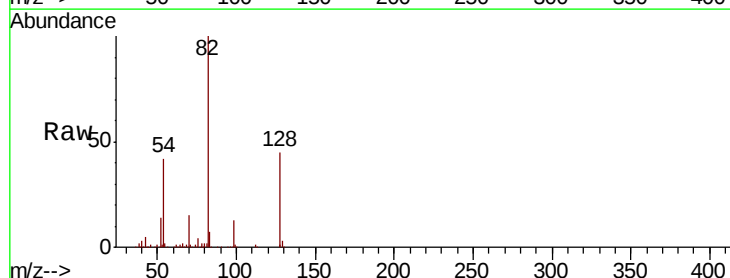
Ion Ratio Lower Upper

70 100

42 36.6 38.0 57.0#

101 0.0 8.2 12.4#

130 1.8 18.2 27.4#

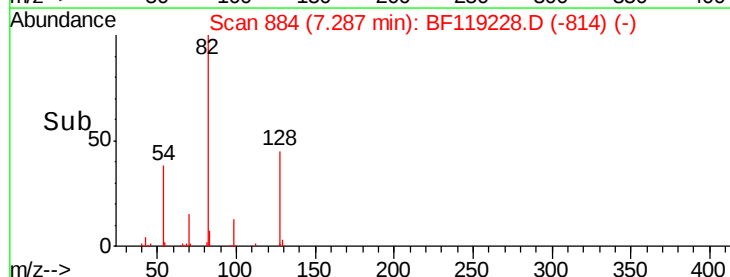
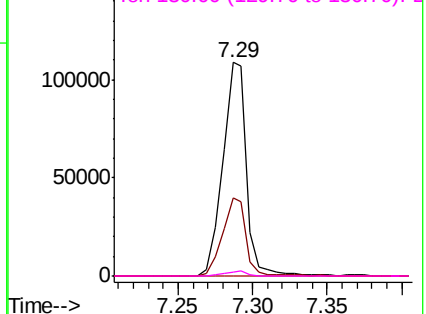


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

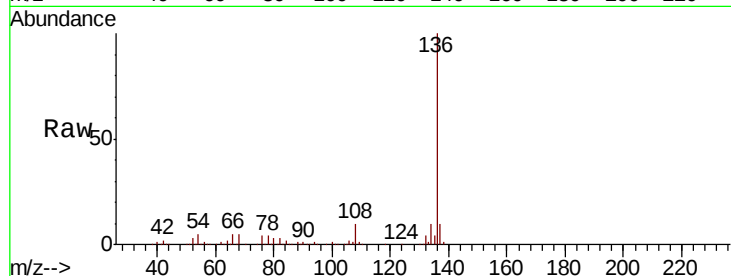




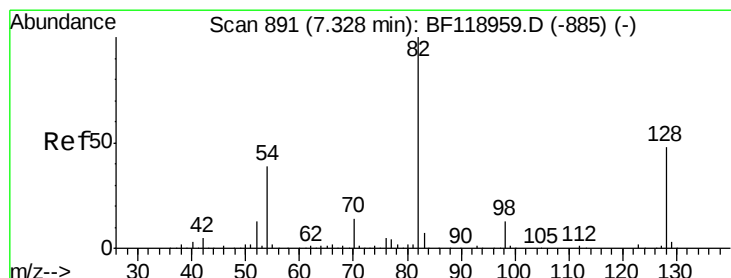
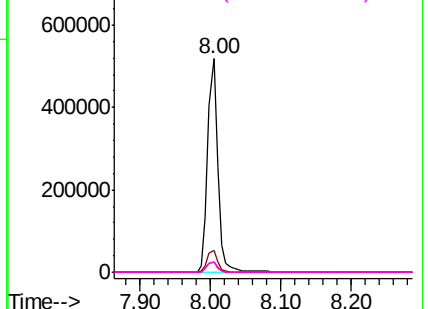
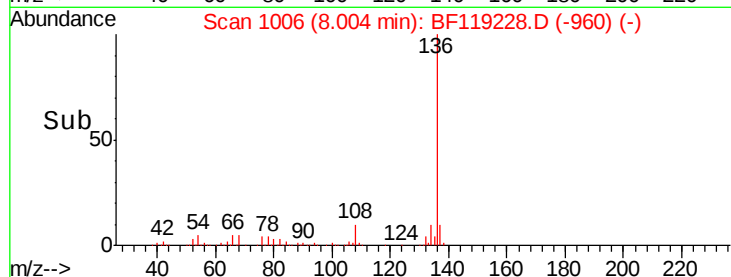
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.03 min
Lab File: BF119228.D
Acq: 5 Mar 2020 23:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	521377
Ion	Ratio	Lower Upper
136	100	
137	10.4	8.8 13.2
54	4.9	3.8 5.6
68	5.0	3.9 5.9

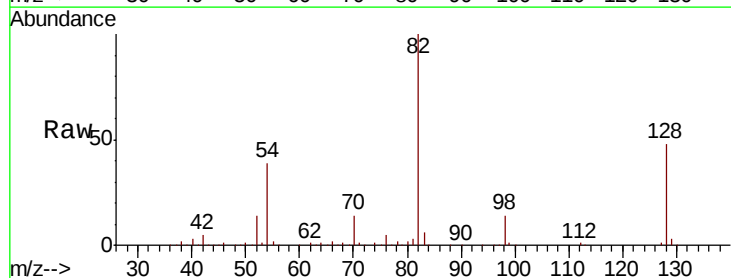


Abundance Ion 136.00 (135.70 to 136.70): E
800000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

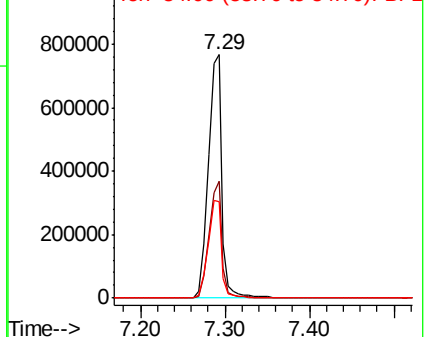
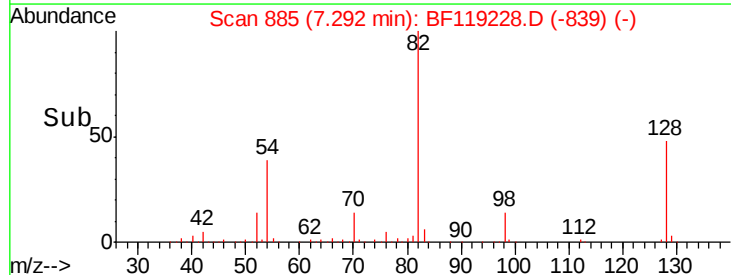


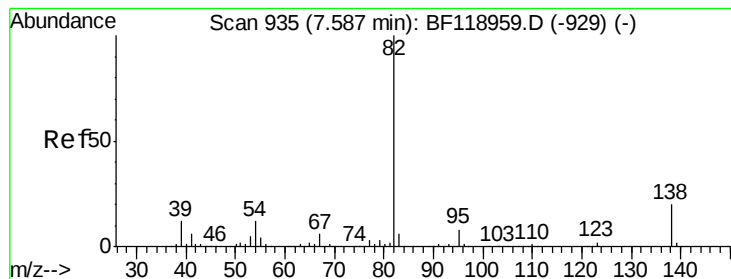
#23
Nitrobenzene-d5
Concen: 87.812 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.03 min
Lab File: BF119228.D
Acq: 5 Mar 2020 23:01

Tgt Ion: 82	Resp:	867105
Ion	Ratio	Lower Upper
82	100	
128	48.1	37.9 56.9
54	39.4	33.4 50.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
1000000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 50.562 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.29 min

Lab File: BF119228.D

Acq: 5 Mar 2020 23:01

Instrument :

BNA_F

ClientSampleId :

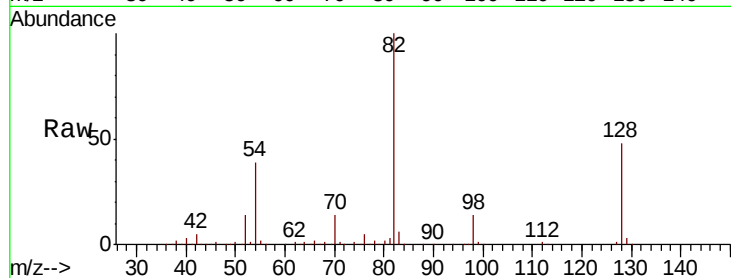
Tot Ion: 82 Resp: 867099

Ion Ratio Lower Upper

82 100

95 0.0 6.4 9.6#

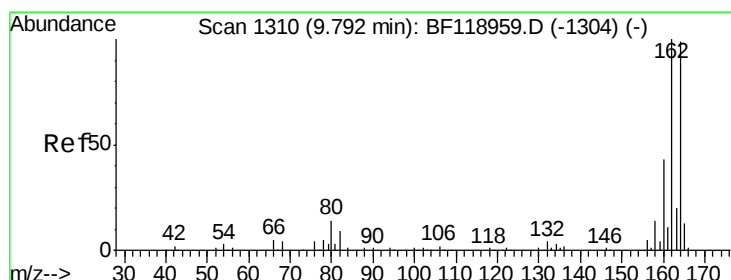
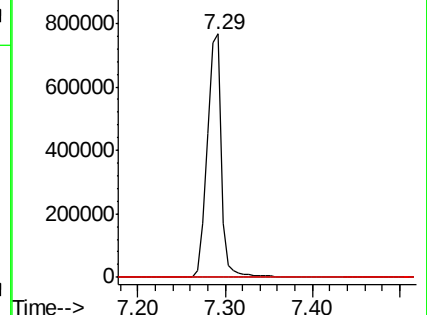
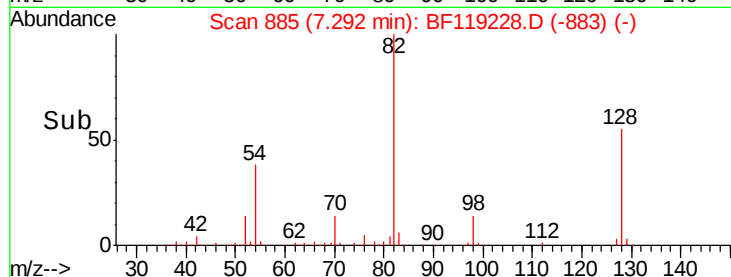
138 0.0 15.7 23.5#



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: 9.76 min Scan# 1304

Delta R.T. -0.03 min

Lab File: BF119228.D

Acq: 5 Mar 2020 23:01

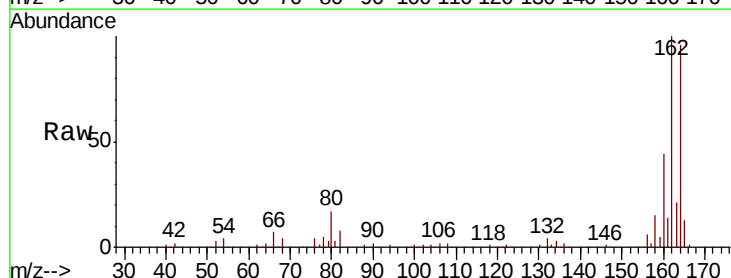
Tgt Ion: 164 Resp: 293419

Ion Ratio Lower Upper

164 100

162 103.7 81.8 122.8

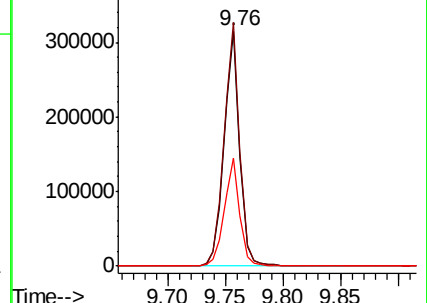
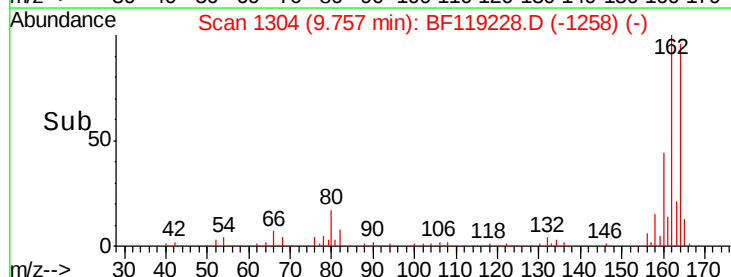
160 45.9 36.0 54.0

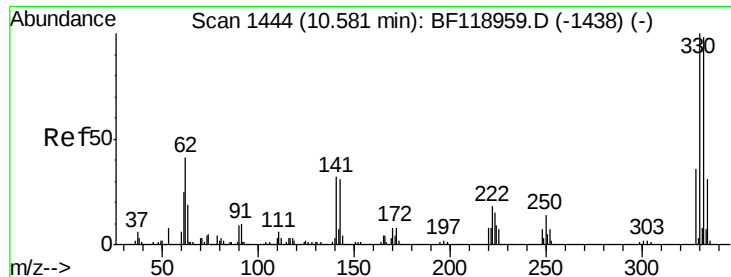


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 135.759 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.02 min

Lab File: BF119228.D

Acq: 5 Mar 2020 23:01

Instrument :

BNA_F

ClientSampleId :

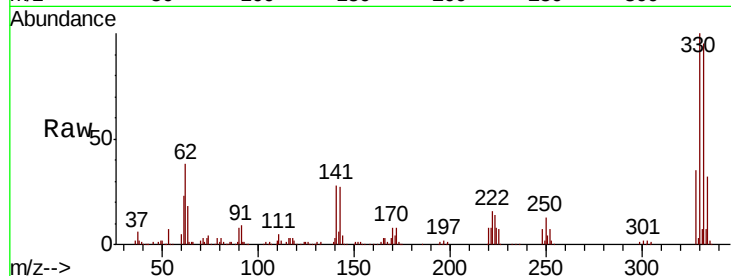
Tot Ion:330 Resp: 521099

Ion Ratio Lower Upper

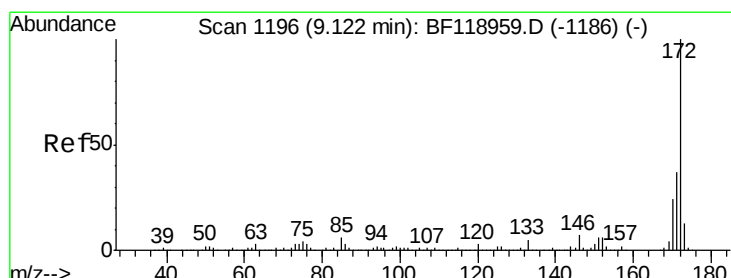
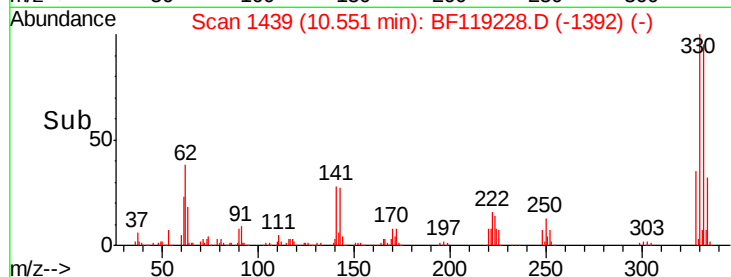
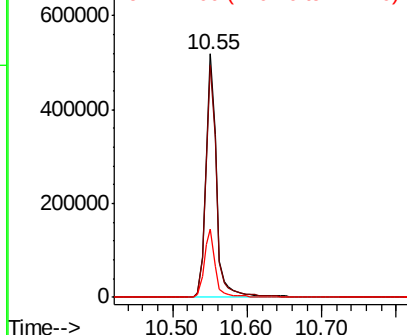
330 100

332 97.1 76.0 114.0

141 29.4 22.9 34.3



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: 85.896 ng

RT: 9.08 min Scan# 1189

Delta R.T. -0.03 min

Lab File: BF119228.D

Acq: 5 Mar 2020 23:01

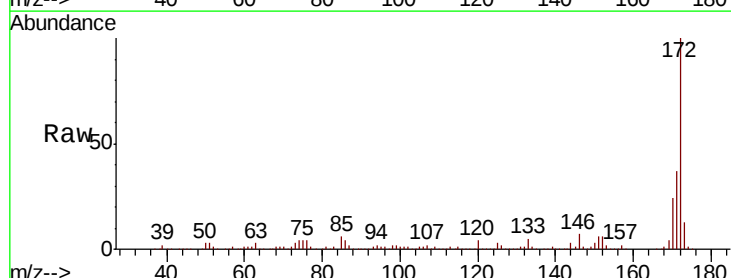
Tgt Ion:172 Resp: 1710839

Ion Ratio Lower Upper

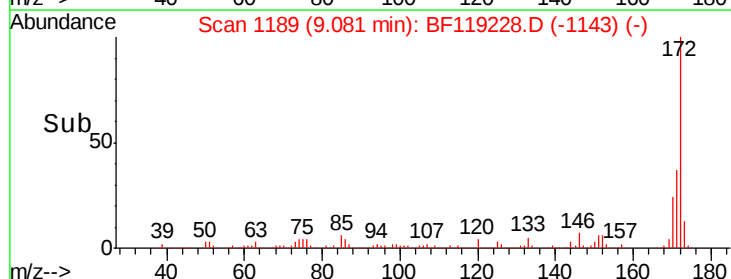
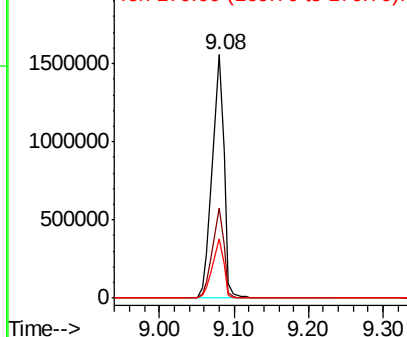
172 100

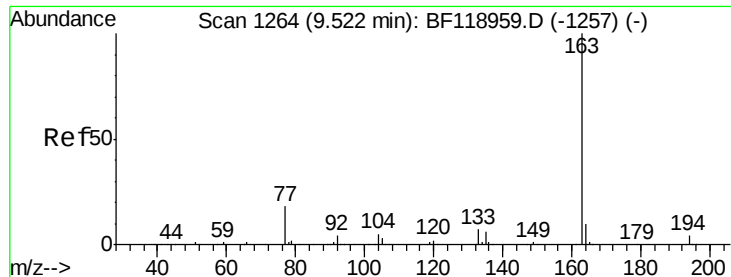
171 37.2 30.6 45.8

170 24.4 20.2 30.2



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

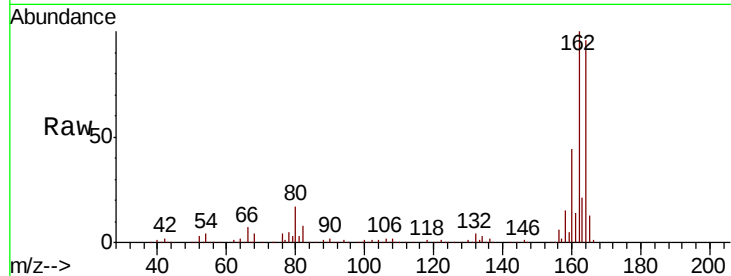




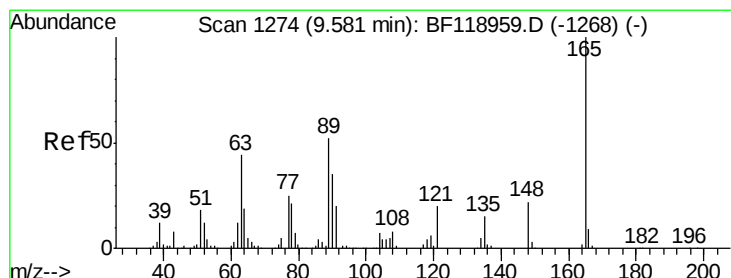
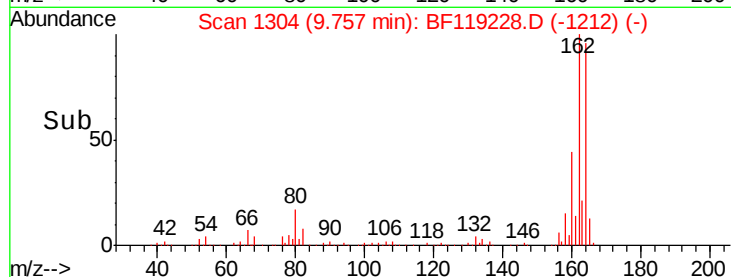
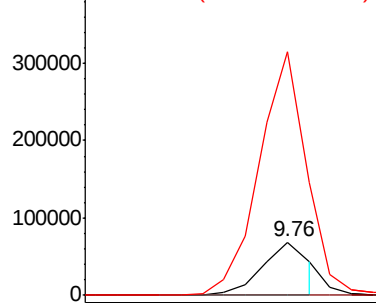
#50
Dimethylphthalate
Concen: 2.755 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.24 min
Lab File: BF119228.D
Acq: 5 Mar 2020 23:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 61810
Ion Ratio Lower Upper
163 100
194 0.0 3.5 5.3#
164 455.5 8.4 12.6#

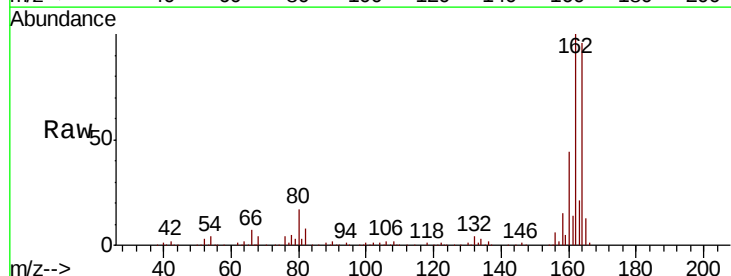


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

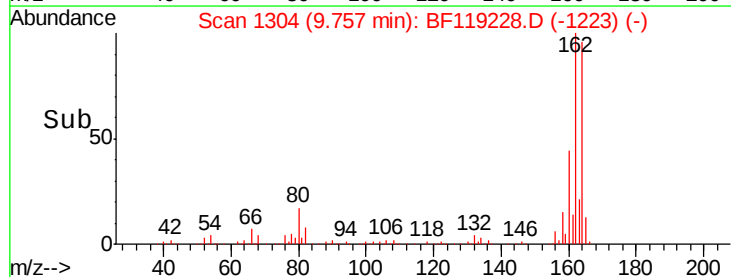
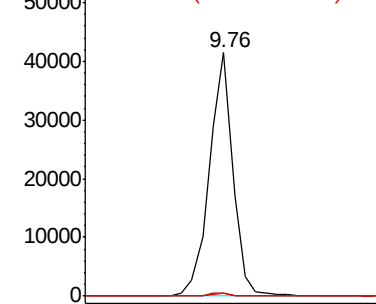


#51
2,6-Dinitrotoluene
Concen: 7.509 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.18 min
Lab File: BF119228.D
Acq: 5 Mar 2020 23:01

Tgt Ion:165 Resp: 37434
Ion Ratio Lower Upper
165 100
63 1.1 34.3 51.5#
89 1.5 38.3 57.5#



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

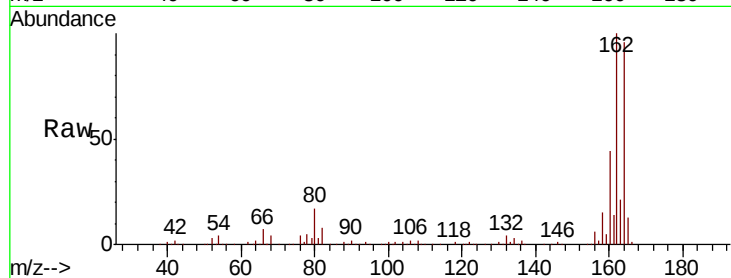




#57
 2,4-Dinitrotoluene
 Concen: 5.794 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.23 min
 Lab File: BF119228.D
 Acq: 5 Mar 2020 23:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	42.3	63.5#
89	1.5	60.2	90.4#
182	0.0	2.3	3.5#



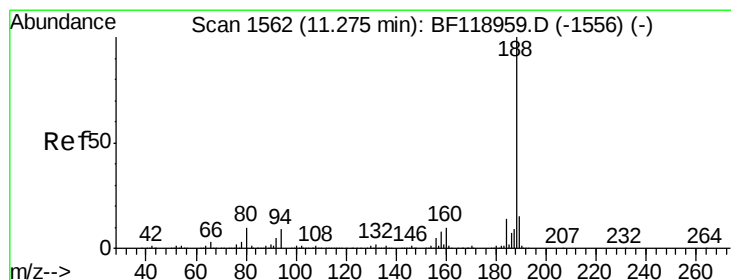
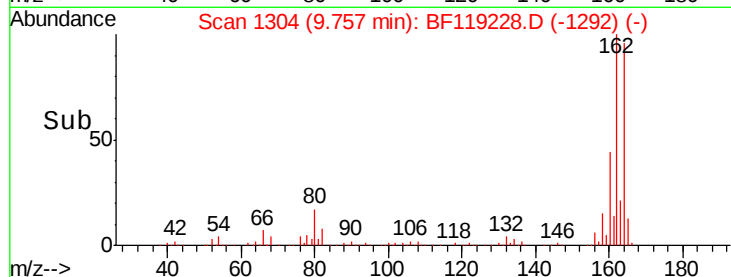
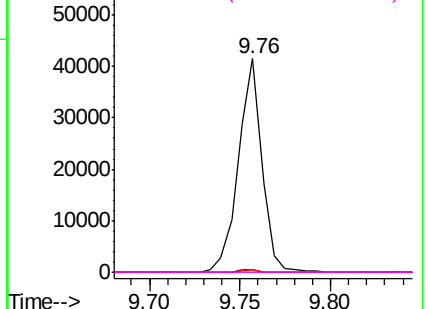
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

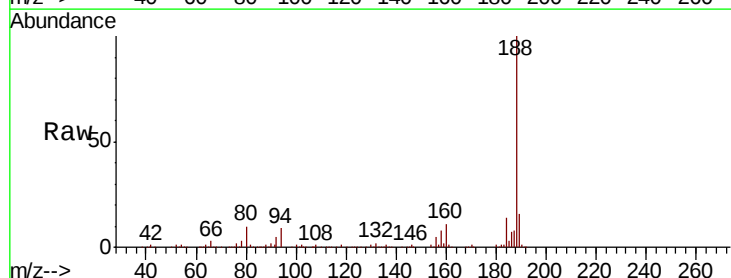
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.02 min
 Lab File: BF119228.D
 Acq: 5 Mar 2020 23:01

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.1	10.7
80	9.9	7.8	11.8

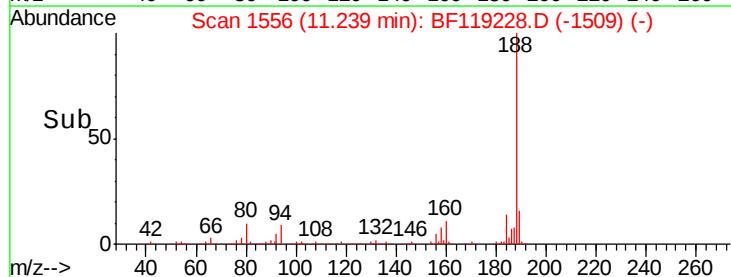
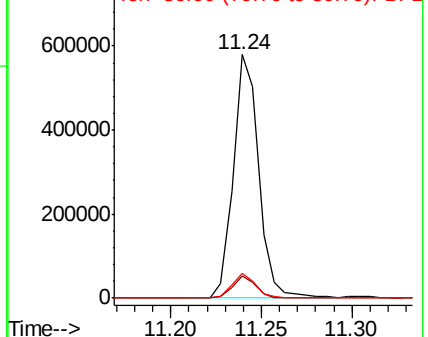


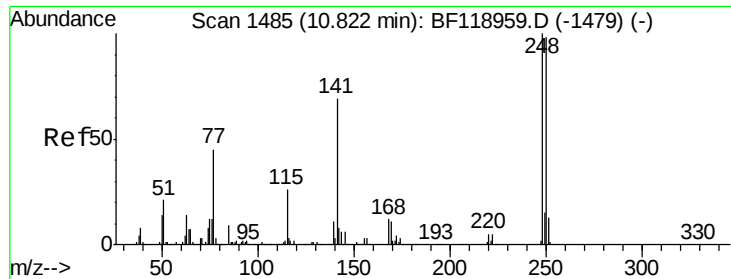
Abundance

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: 4.702 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.26 min

Lab File: BF119228.D

Acq: 5 Mar 2020 23:01

Instrument :

BNA_F

ClientSampleId :

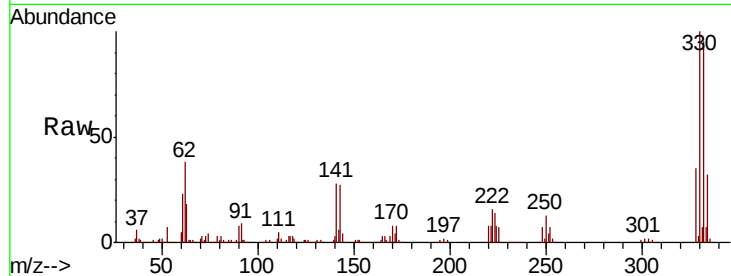
Tot Ion:248 Resp: 34741

Ion Ratio Lower Upper

248 100

250 193.3 76.7 115.1#

141 412.1 60.7 91.1#

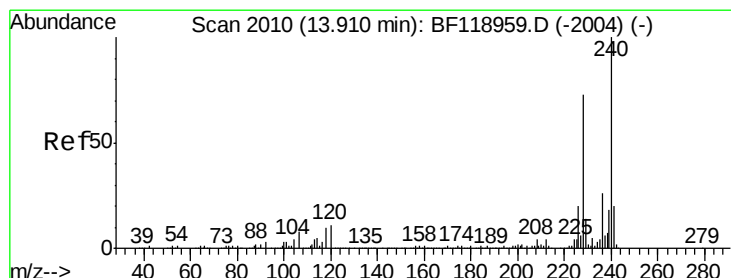
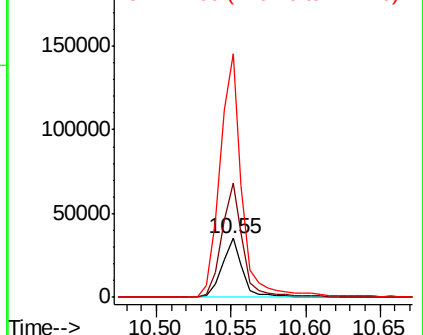
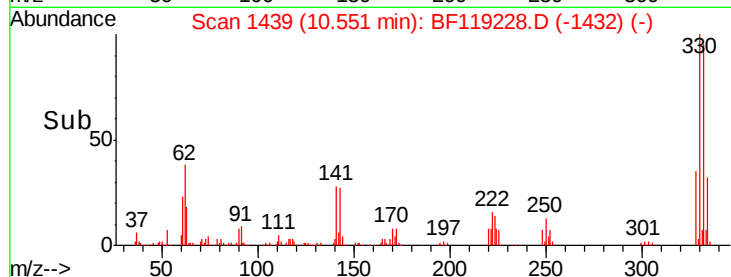


Abundance

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: 13.88 min Scan# 2005

Delta R.T. -0.02 min

Lab File: BF119228.D

Acq: 5 Mar 2020 23:01

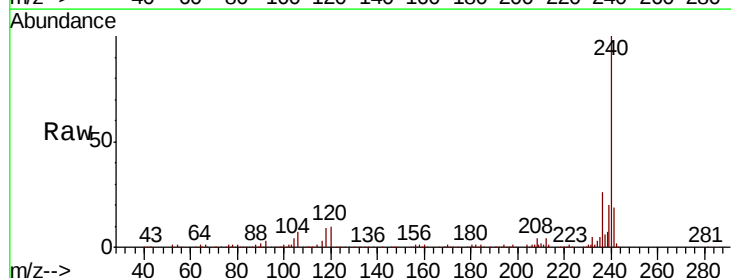
Tgt Ion:240 Resp: 351186

Ion Ratio Lower Upper

240 100

120 10.0 8.4 12.6

236 26.3 21.0 31.4

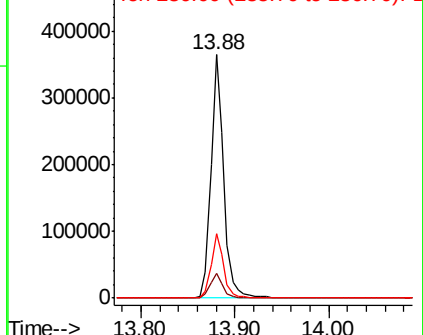
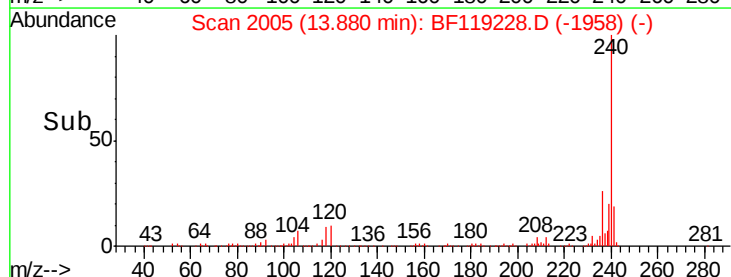


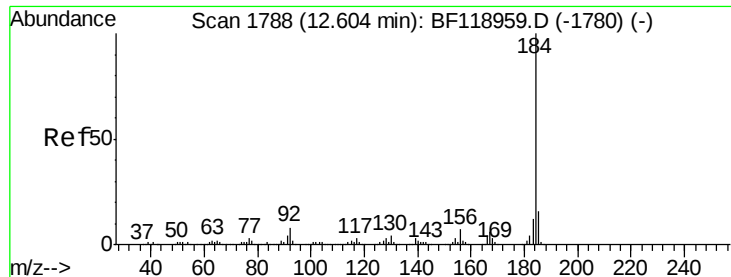
Abundance

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: 2.090 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.23 min

Lab File: BF119228.D

Acq: 5 Mar 2020 23:01

Instrument :

BNA_F

ClientSampleId :

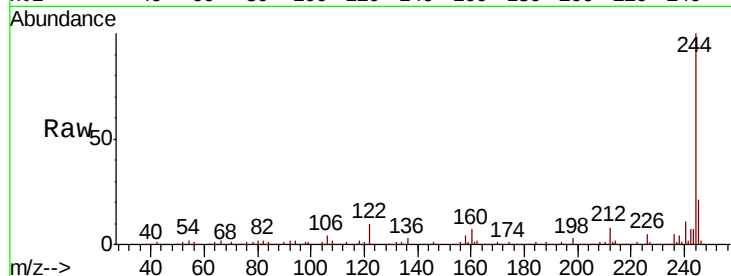
Tot Ion:184 Resp: 29855

Ion Ratio Lower Upper

184 100

185 16.9 12.2 18.4

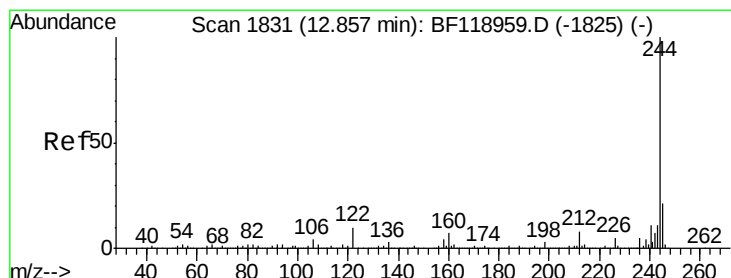
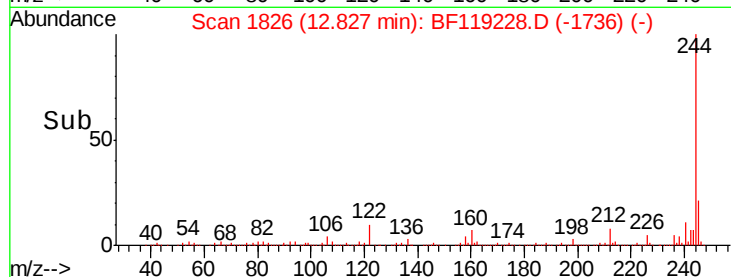
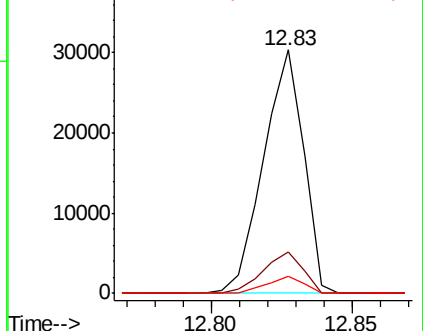
183 7.1 9.9 14.9#



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: 110.281 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.02 min

Lab File: BF119228.D

Acq: 5 Mar 2020 23:01

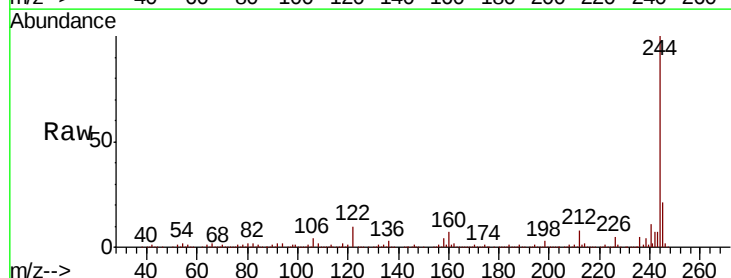
Tgt Ion:244 Resp: 2249511

Ion Ratio Lower Upper

244 100

212 7.7 6.6 10.0

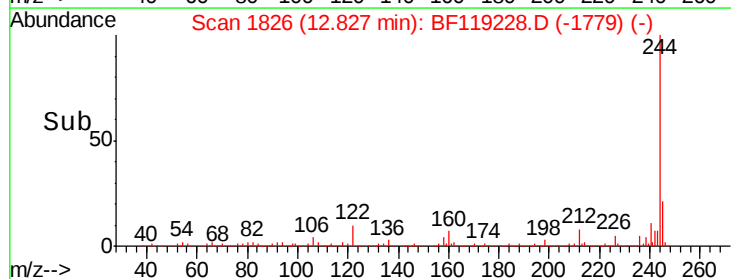
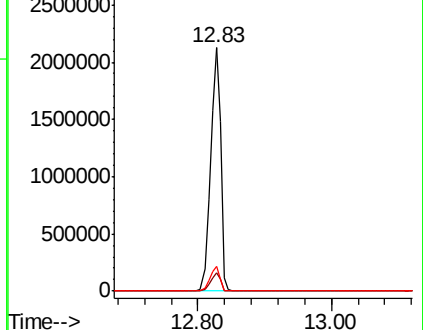
122 10.3 8.2 12.2

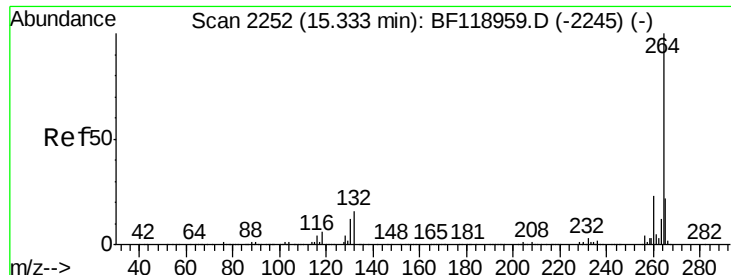


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

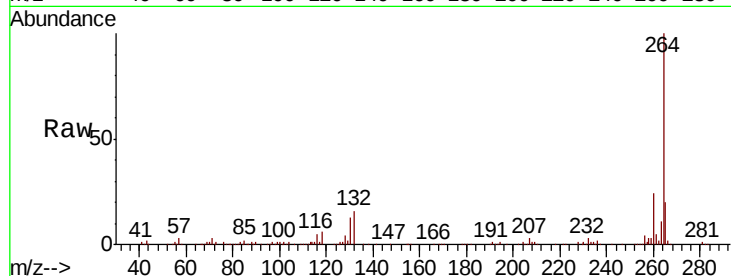




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.30 min Scan# 2247
 Delta R.T. -0.02 min
 Lab File: BF119228.D
 Acq: 5 Mar 2020 23:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.4	29.2
265	20.2	17.7	26.5



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

