

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022520\
 Data File : BF119068.D
 Acq On : 25 Feb 2020 16:50
 Operator : CG/JU
 Sample : L1602-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 26 01:27:06 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 20 17:40:17 2020
 Response via : Initial Calibration

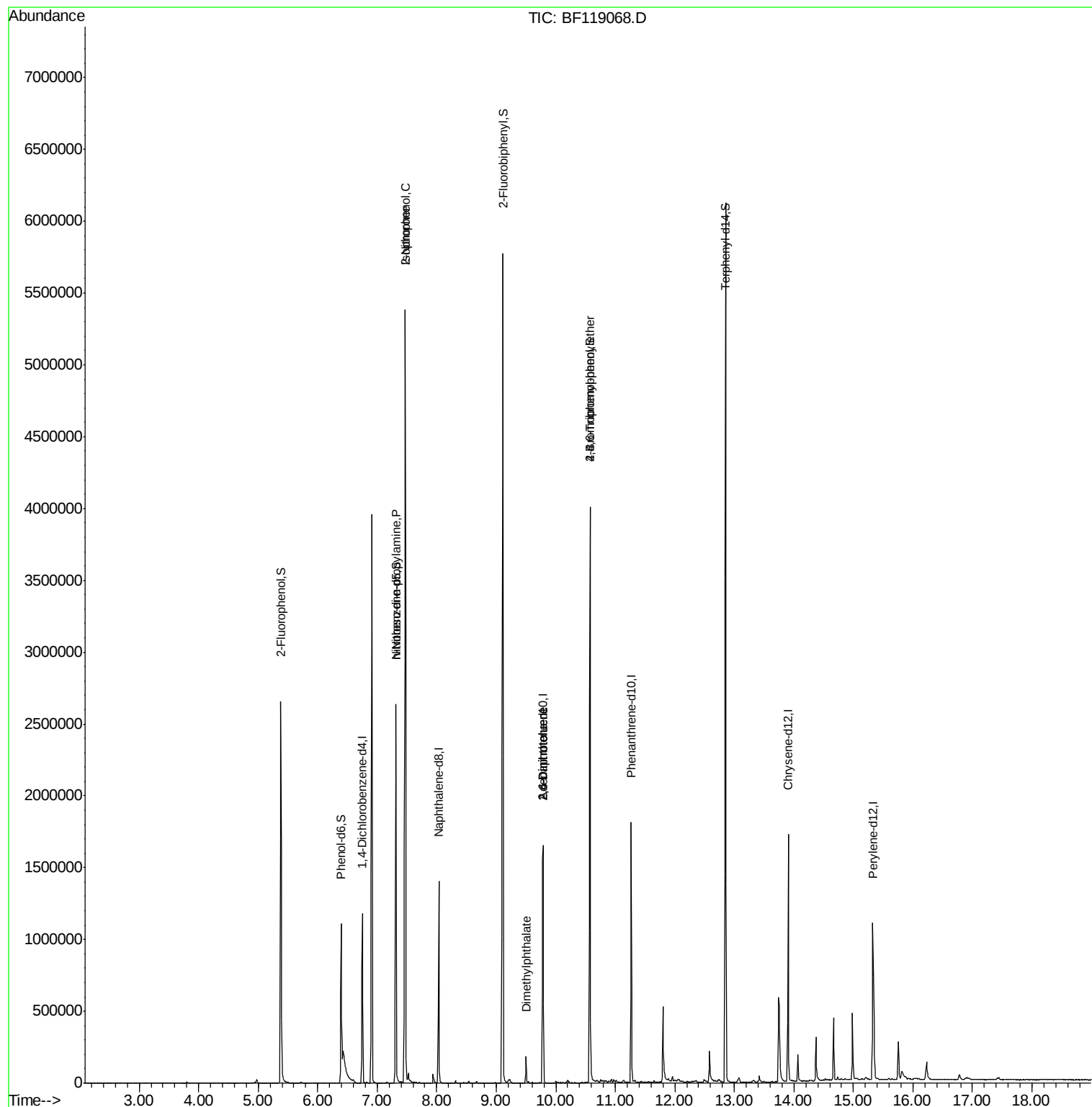
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	178387	20.00	ng	-0.01
21) Naphthalene-d8	8.03	136	692310	20.00	ng	-0.01
39) Acenaphthene-d10	9.79	164	385616	20.00	ng	0.00
64) Phenanthrene-d10	11.27	188	733783	20.00	ng	0.00
76) Chrysene-d12	13.90	240	598797	20.00	ng	0.00
87) Perylene-d12	15.33	264	520510	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	791443	74.14	ng	0.00
7) Phenol-d6	6.39	99	473708	36.49	ng	-0.01
23) Nitrobenzene-d5	7.32	82	1055064	80.47	ng	-0.01
42) 2,4,6-Tribromophenol	10.57	330	594680	117.89	ng	0.00
45) 2-Fluorobiphenyl	9.11	172	2050916	78.35	ng	-0.01
79) Terphenyl-d14	12.86	244	2473205	71.11	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.32	70	146494	19.366	ng	# 77
25) Isophorone	7.47	82	386163	16.958	ng	# 84
26) 2-Nitrophenol	7.47	139	128309	18.676	ng	# 1
50) Dimethylphthalate	9.50	163	80318	2.724	ng	98
51) 2,6-Dinitrotoluene	9.79	165	50316	7.680	ng	# 30
57) 2,4-Dinitrotoluene	9.79	165	50316	5.925	ng	# 29
67) 4-Bromophenyl-phenylether	10.57	248	38450	4.009	ng	# 1

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

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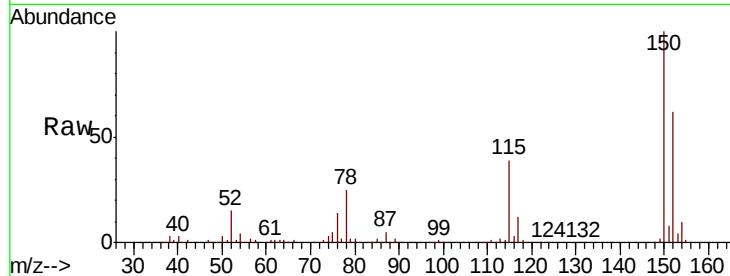


#1

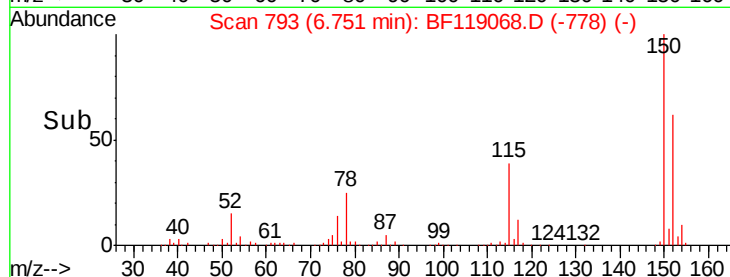
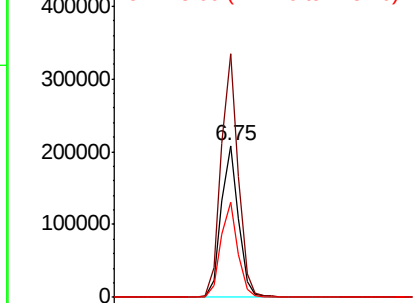
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF119068.D
Acq: 25 Feb 2020 16:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.2	124.3	186.5
115	62.4	44.6	67.0



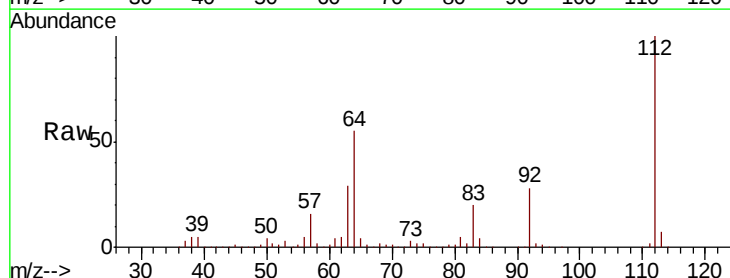
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



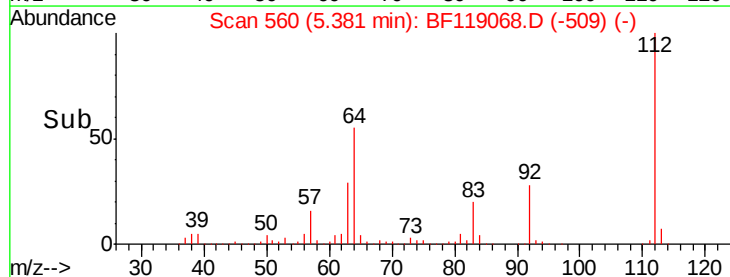
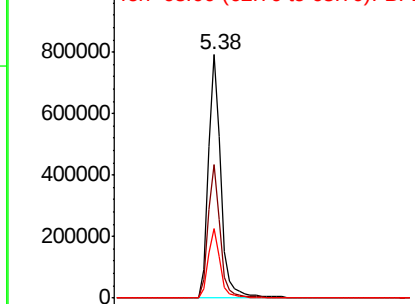
#5

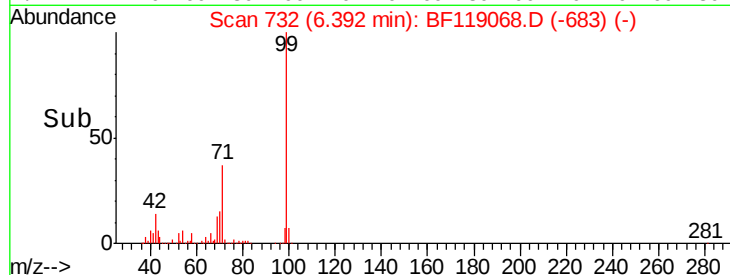
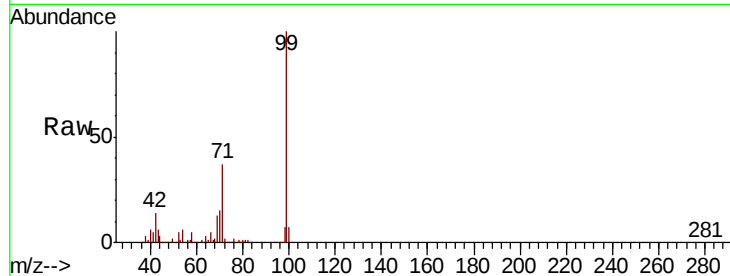
2-Fluorophenol
Concen: 74.145 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.00 min
Lab File: BF119068.D
Acq: 25 Feb 2020 16:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.6	40.4	60.6
63	28.7	21.3	31.9



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: 36.490 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF119068.D

Acq: 25 Feb 2020 16:50

Instrument :

BNA_F

ClientSampled :

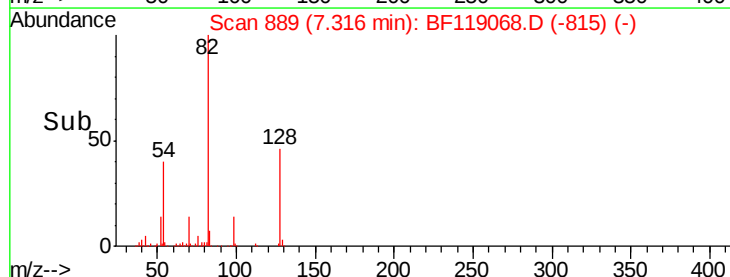
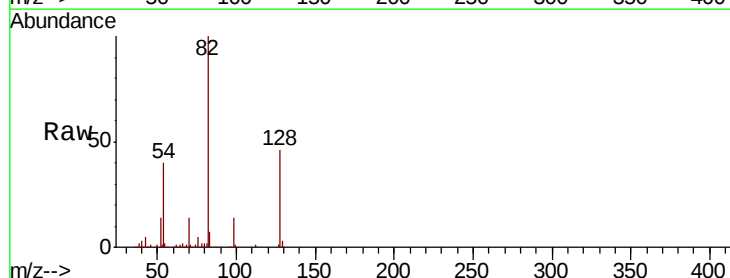
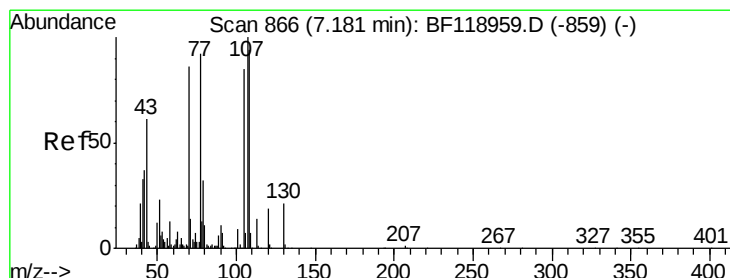
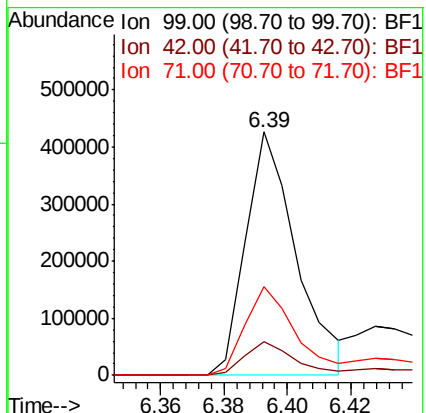
Tot Ion: 99 Resp: 473708

Ion Ratio Lower Upper

99 100

42 13.7 11.4 17.0

71 36.7 29.8 44.6



#19

n-Nitroso-di-n-propylamine

Concen: 19.366 ng

RT: 7.32 min Scan# 889

Delta R.T. 0.14 min

Lab File: BF119068.D

Acq: 25 Feb 2020 16:50

Tgt Ion: 70 Resp: 146494

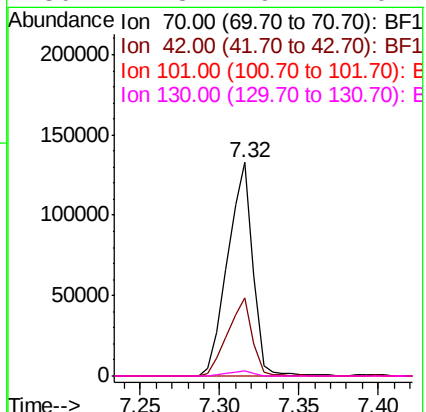
Ion Ratio Lower Upper

70 100

42 36.4 34.6 51.8

101 0.0 8.1 12.1#

130 2.3 19.4 29.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.03 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF119068.D

Acq: 25 Feb 2020 16:50

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 692310

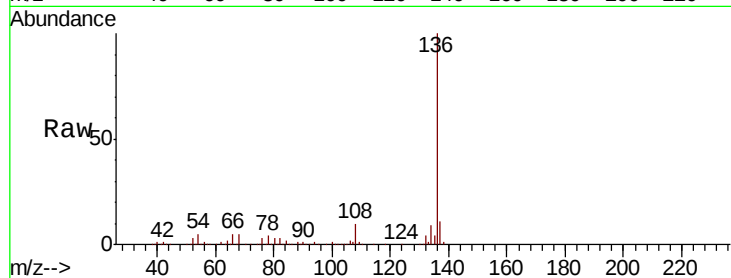
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 4.8 3.8 5.6

68 5.0 4.2 6.2

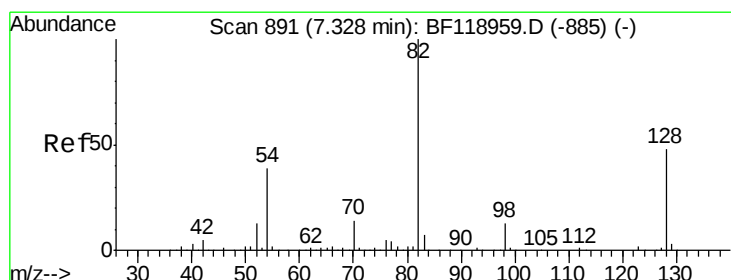
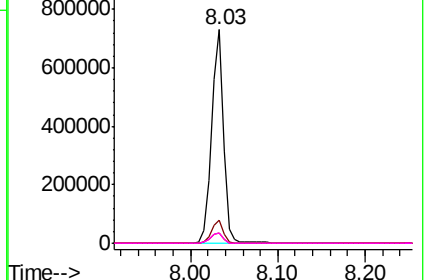
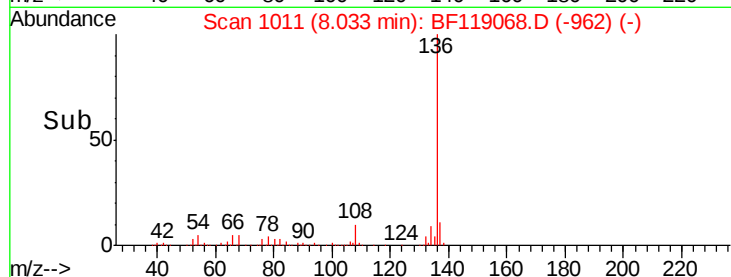


Abundance Ion 136.00 (135.70 to 136.70): E

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: 80.466 ng

RT: 7.32 min Scan# 889

Delta R.T. -0.01 min

Lab File: BF119068.D

Acq: 25 Feb 2020 16:50

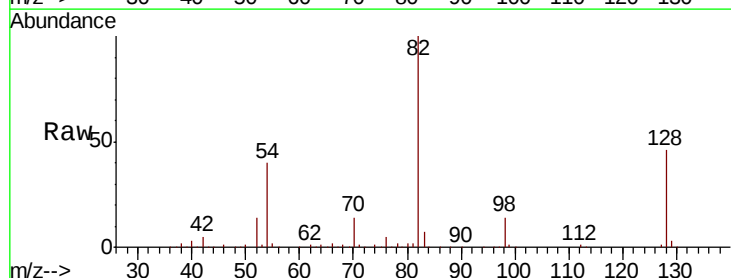
Tgt Ion: 82 Resp: 1055064

Ion Ratio Lower Upper

82 100

128 46.4 38.2 57.2

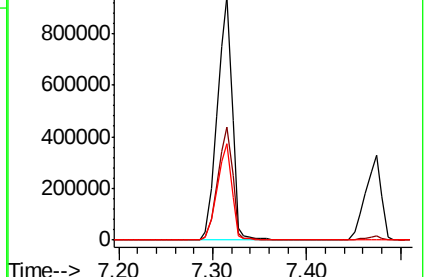
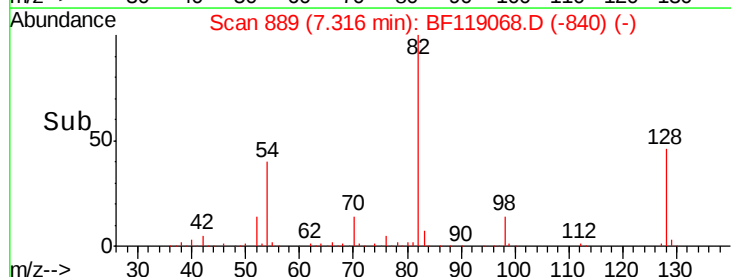
54 39.8 31.3 46.9

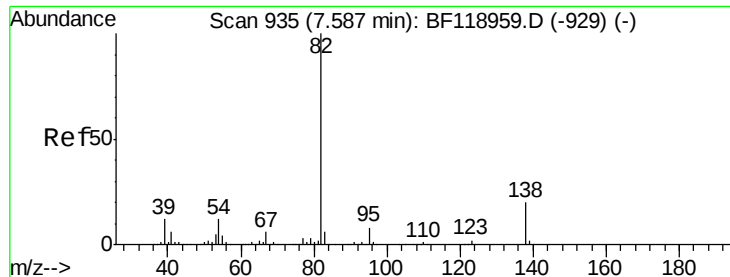


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 16.958 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.11 min

Lab File: BF119068.D

Acq: 25 Feb 2020 16:50

Instrument :

BNA_F

ClientSampleId :

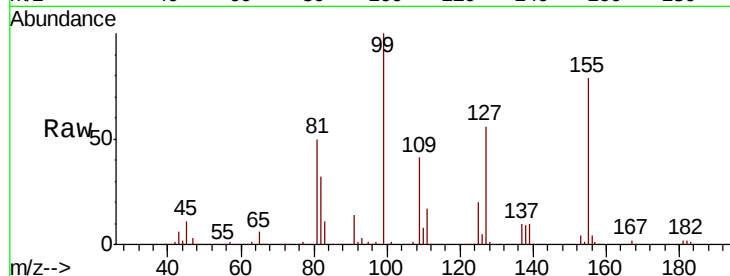
Tot Ion: 82 Resp: 386163

Ion Ratio Lower Upper

82 100

95 2.5 6.1 9.1#

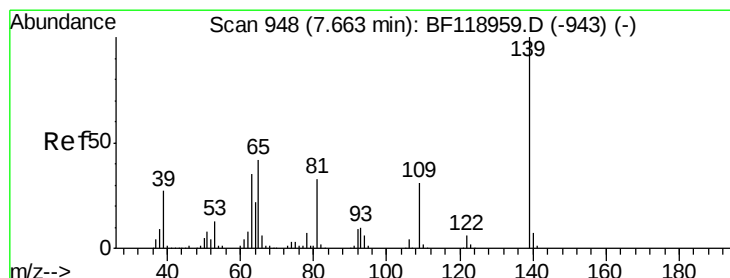
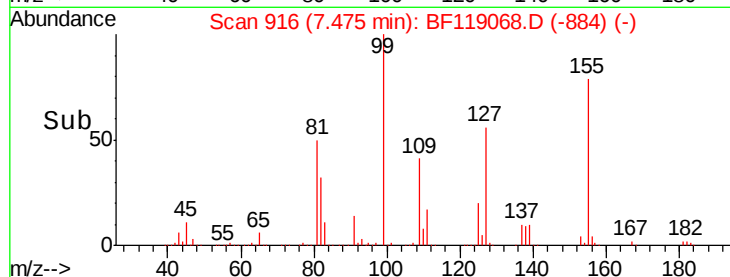
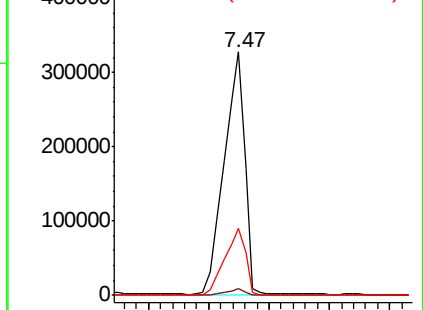
138 27.5 15.8 23.6#



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



#26

2-Nitrophenol

Concen: 18.676 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.19 min

Lab File: BF119068.D

Acq: 25 Feb 2020 16:50

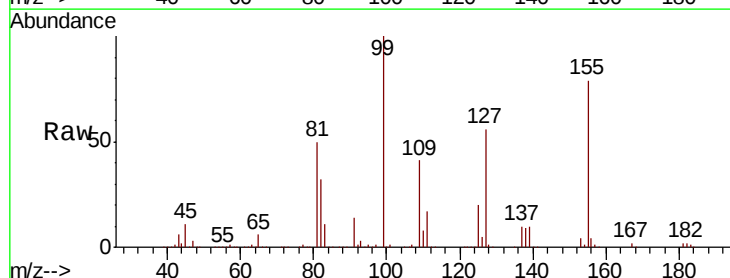
Tgt Ion: 139 Resp: 128309

Ion Ratio Lower Upper

139 100

109 395.8 24.6 36.8#

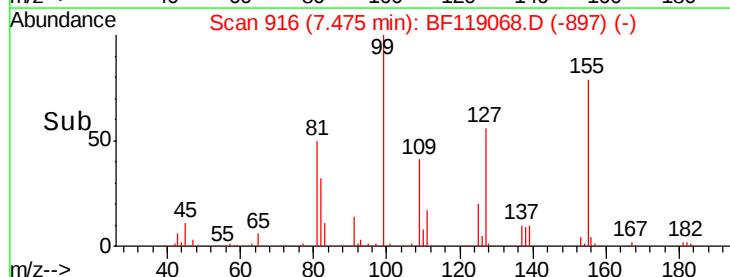
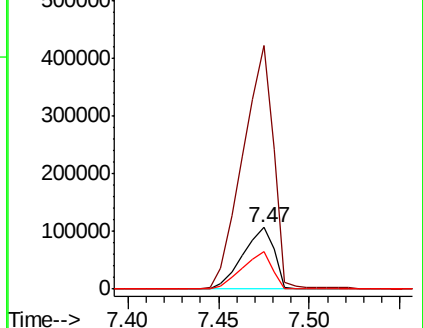
65 60.8 33.6 50.4#

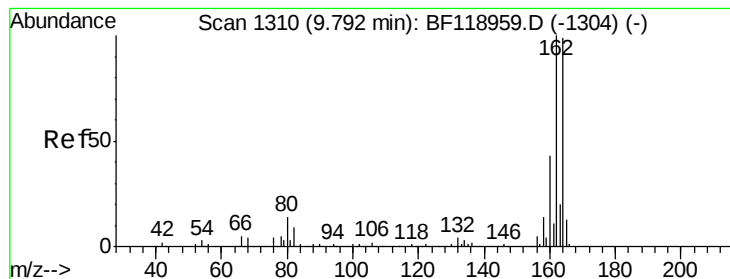


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF119068.D

Acq: 25 Feb 2020 16:50

Instrument :

BNA_F

ClientSampleId :

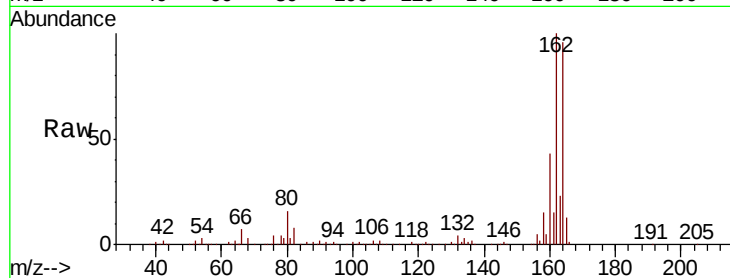
Tot Ion:164 Resp: 385616

Ion Ratio Lower Upper

164 100

162 103.7 81.2 121.8

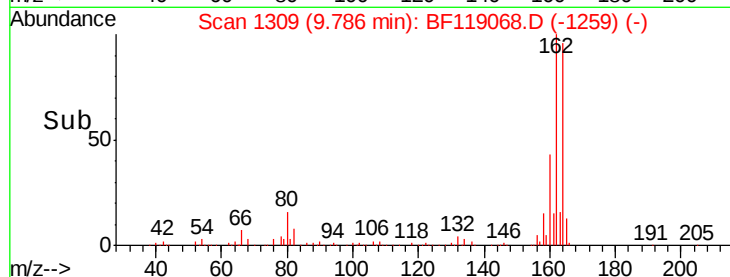
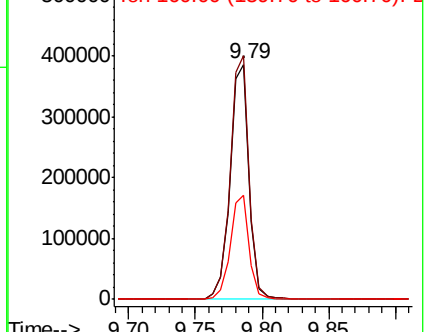
160 44.6 35.2 52.8



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: 117.887 ng

RT: 10.57 min Scan# 1443

Delta R.T. -0.01 min

Lab File: BF119068.D

Acq: 25 Feb 2020 16:50

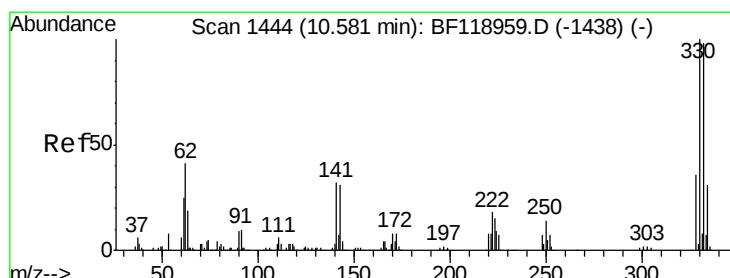
Tgt Ion:330 Resp: 594680

Ion Ratio Lower Upper

330 100

332 97.1 77.1 115.7

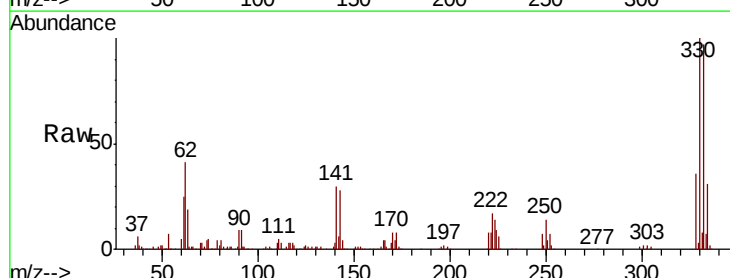
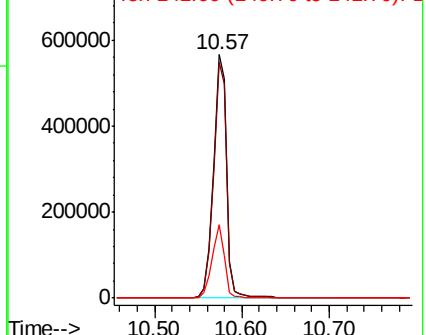
141 28.8 23.0 34.6

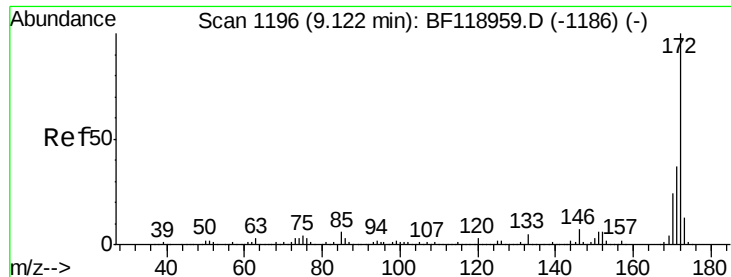


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

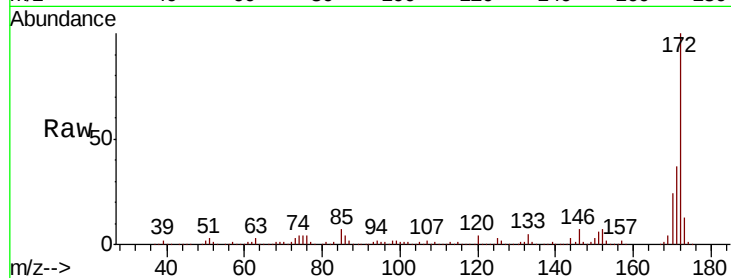




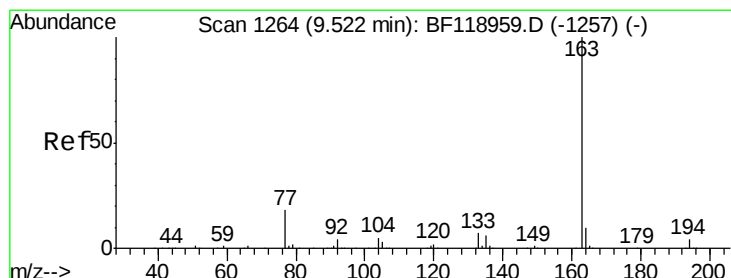
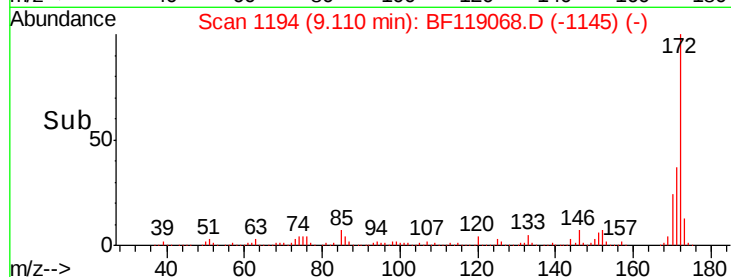
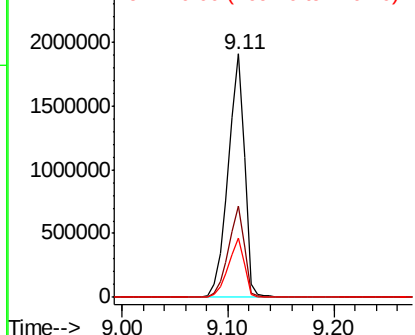
#45
2-Fluorobiphenyl
Concen: 78.351 ng
RT: 9.11 min Scan# 1194
Delta R.T. -0.01 min
Lab File: BF119068.D
Acq: 25 Feb 2020 16:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 2050916
Ion Ratio Lower Upper
172 100
171 37.3 29.4 44.2
170 24.3 19.6 29.4

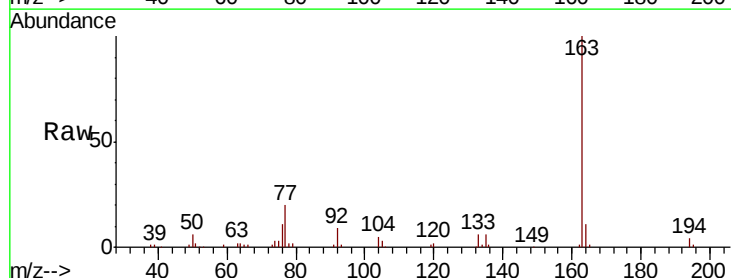


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

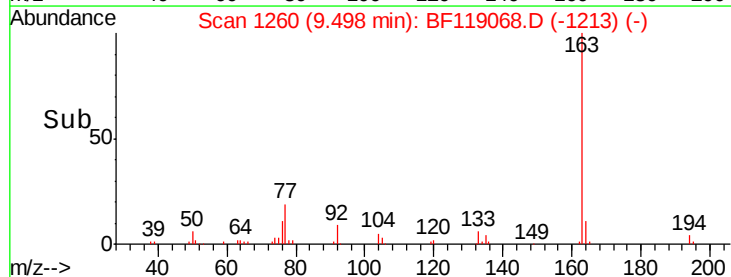
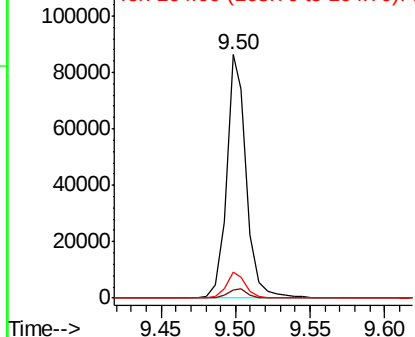


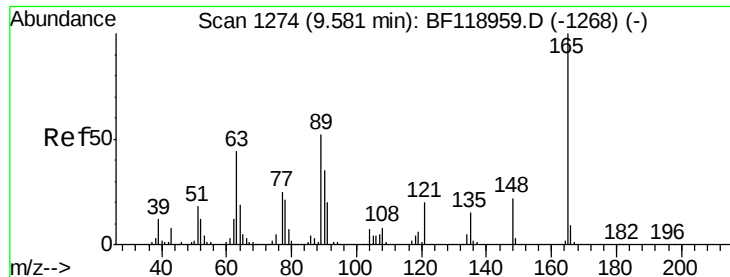
#50
Dimethylphthalate
Concen: 2.724 ng
RT: 9.50 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF119068.D
Acq: 25 Feb 2020 16:50

Tgt Ion:163 Resp: 80318
Ion Ratio Lower Upper
163 100
194 3.5 3.4 5.2
164 10.7 8.2 12.2



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

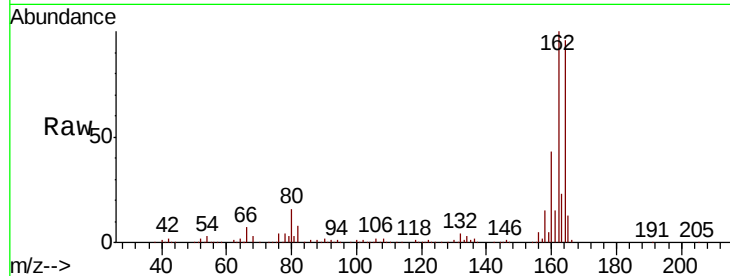




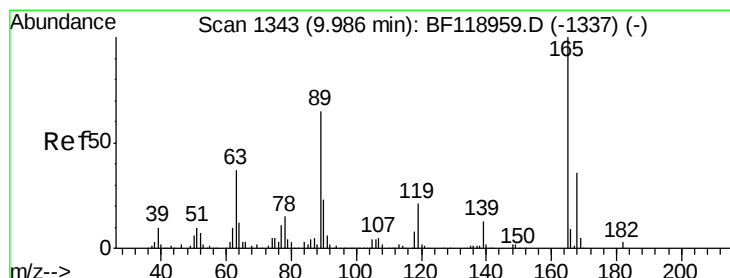
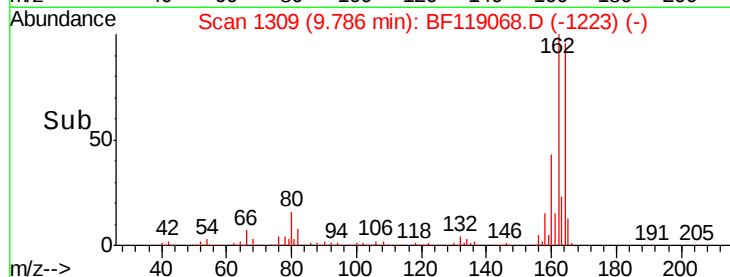
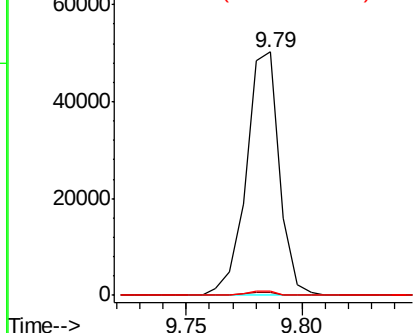
#51
 2,6-Dinitrotoluene
 Concen: 7.680 ng
 RT: 9.79 min Scan# 1309
 Delta R.T. 0.21 min
 Lab File: BF119068.D
 Acq: 25 Feb 2020 16:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 50316
 Ion Ratio Lower Upper
 165 100
 63 1.1 37.9 56.9#
 89 1.5 41.4 62.0#



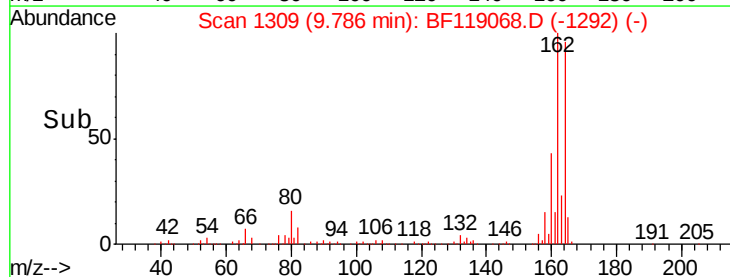
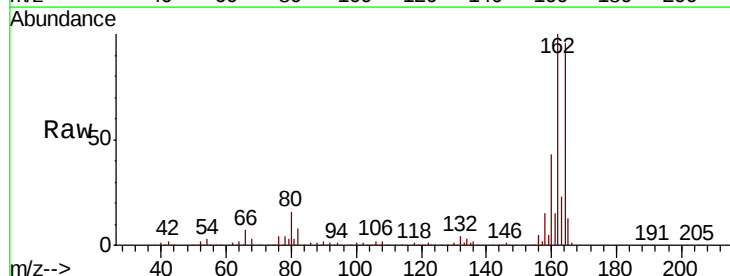
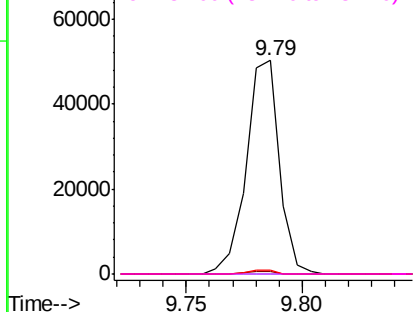
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

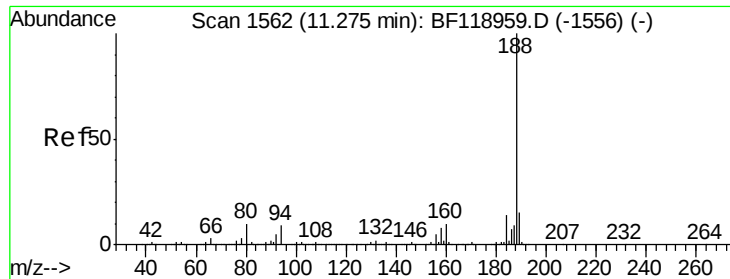


#57
 2,4-Dinitrotoluene
 Concen: 5.925 ng
 RT: 9.79 min Scan# 1309
 Delta R.T. -0.20 min
 Lab File: BF119068.D
 Acq: 25 Feb 2020 16:50

Tgt Ion:165 Resp: 50316
 Ion Ratio Lower Upper
 165 100
 63 1.1 29.8 44.8#
 89 1.5 51.9 77.9#
 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

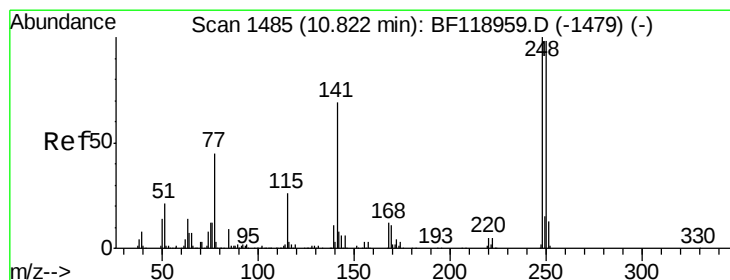
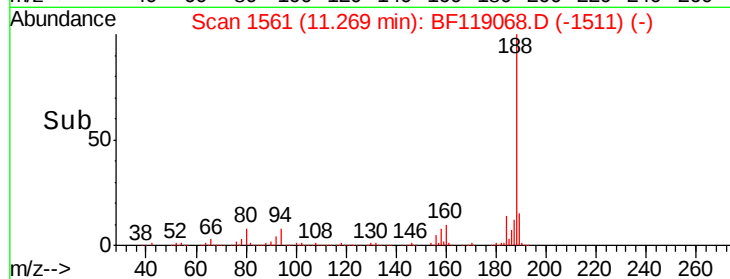
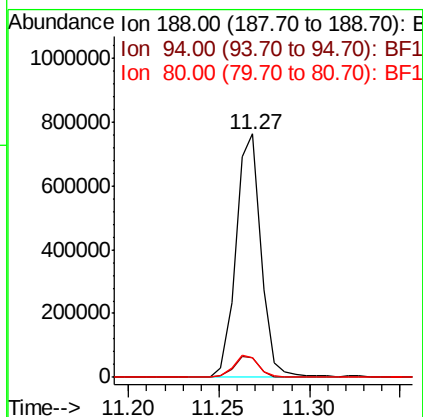
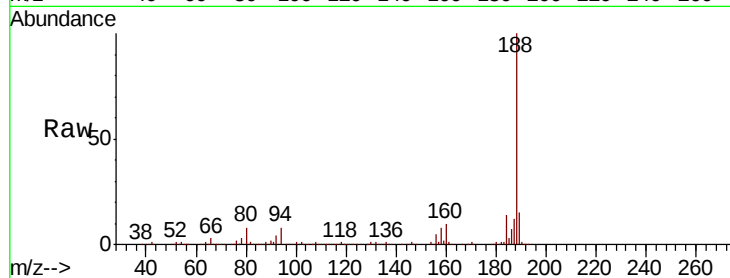




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF119068.D
Acq: 25 Feb 2020 16:50

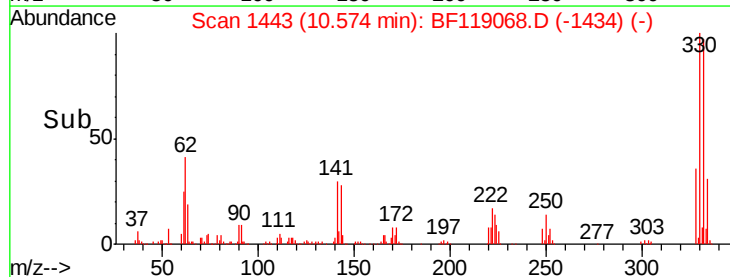
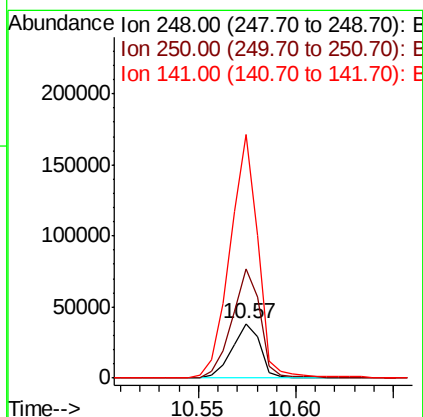
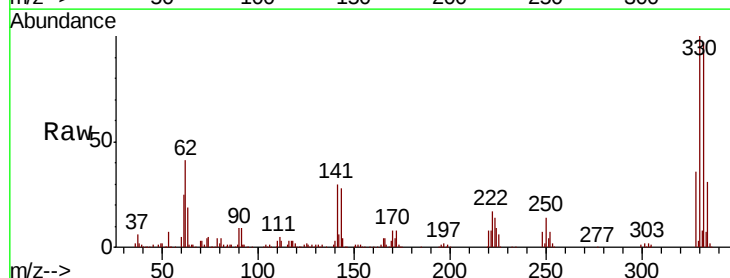
Instrument :
BNA_F
ClientSampled :

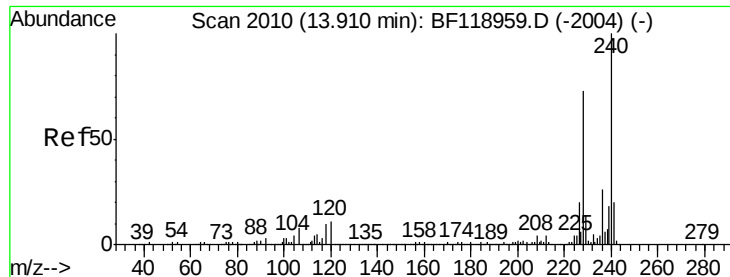
Tot Ion:188 Resp: 733783
Ion Ratio Lower Upper
188 100
94 7.8 7.0 10.6
80 8.1 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 4.009 ng
RT: 10.57 min Scan# 1443
Delta R.T. -0.25 min
Lab File: BF119068.D
Acq: 25 Feb 2020 16:50

Tgt Ion:248 Resp: 38450
Ion Ratio Lower Upper
248 100
250 200.8 78.8 118.2#
141 448.3 55.3 82.9#

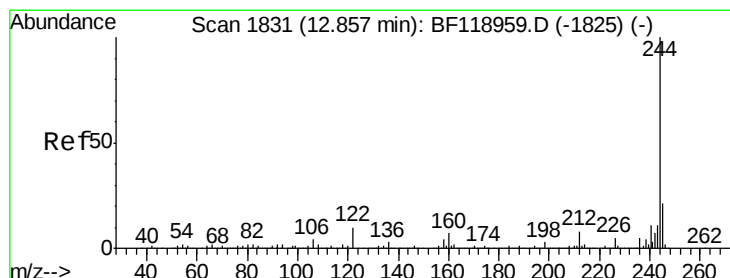
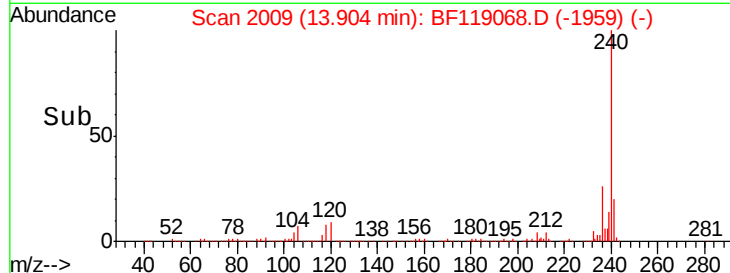
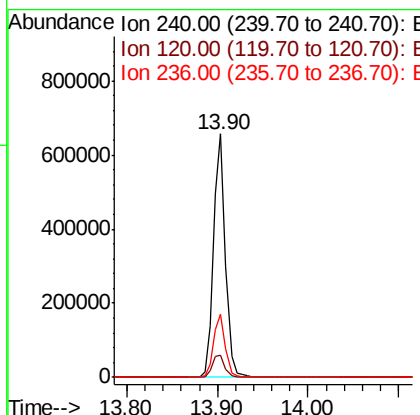
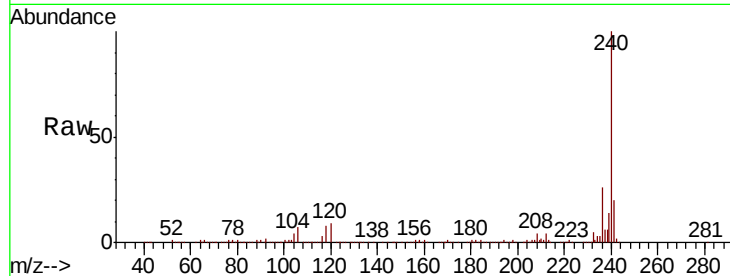




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 13.90 min Scan# 2009
 Delta R.T. -0.01 min
 Lab File: BF119068.D
 Acq: 25 Feb 2020 16:50

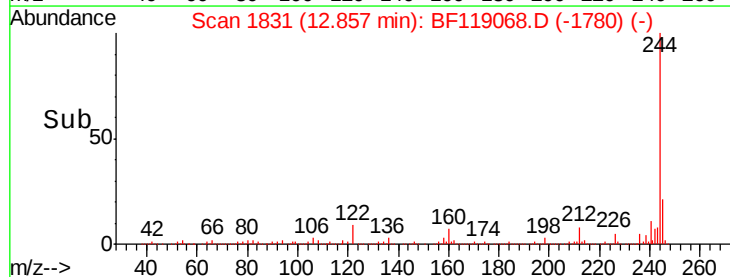
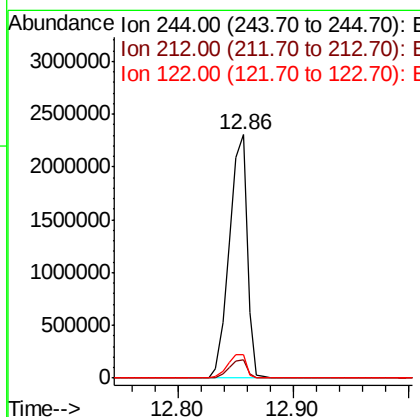
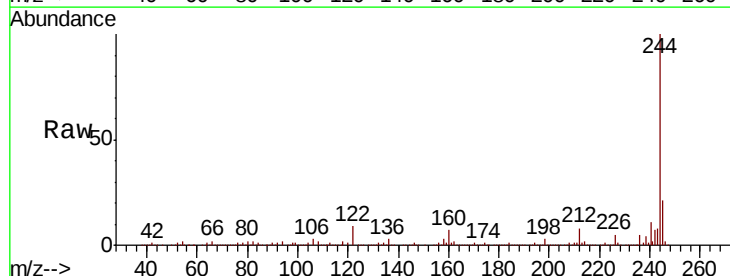
Instrument :
 BNA_F
 ClientSampleId :

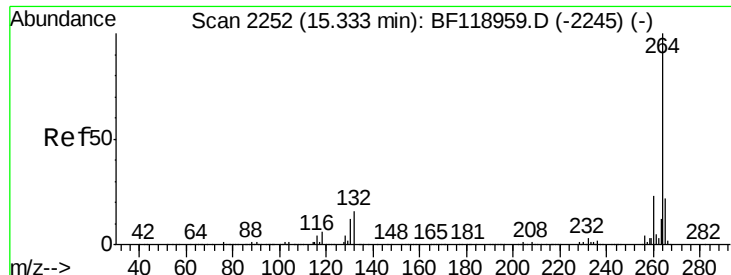
Tot Ion:240	Resp:	598797
Ion Ratio	Lower	Upper
240	100	
120	9.1	8.9 13.3
236	25.9	20.6 30.8



#79
 Terphenyl-d14
 Concen: 71.110 ng
 RT: 12.86 min Scan# 1831
 Delta R.T. -0.00 min
 Lab File: BF119068.D
 Acq: 25 Feb 2020 16:50

Tgt Ion:244	Resp:	2473205
Ion Ratio	Lower	Upper
244	100	
212	7.7	6.3 9.5
122	9.4	8.4 12.6





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2251
Delta R.T. -0.01 min
Lab File: BF119068.D
Acq: 25 Feb 2020 16:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.6	28.0
265	21.3	17.3	25.9

