

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022420\
 Data File : BF119062.D
 Acq On : 25 Feb 2020 12:07
 Operator : CG/JU
 Sample : L1659-02
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 25 12:45:58 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	174102	20.00	ng	-0.01
21) Naphthalene-d8	8.03	136	668286	20.00	ng	-0.01
39) Acenaphthene-d10	9.79	164	370591	20.00	ng	0.00
64) Phenanthrene-d10	11.27	188	682866	20.00	ng	0.00
76) Chrysene-d12	13.90	240	461504	20.00	ng	0.00
87) Perylene-d12	15.33	264	409908	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	943827	90.60	ng	0.00
7) Phenol-d6	6.40	99	1132233	89.36	ng	0.00
23) Nitrobenzene-d5	7.32	82	769685	60.81	ng	-0.01
42) 2,4,6-Tribromophenol	10.57	330	402737	83.07	ng	0.00
45) 2-Fluorobiphenyl	9.11	172	1467967	58.35	ng	-0.01
79) Terphenyl-d14	12.85	244	1651331	61.60	ng	0.00

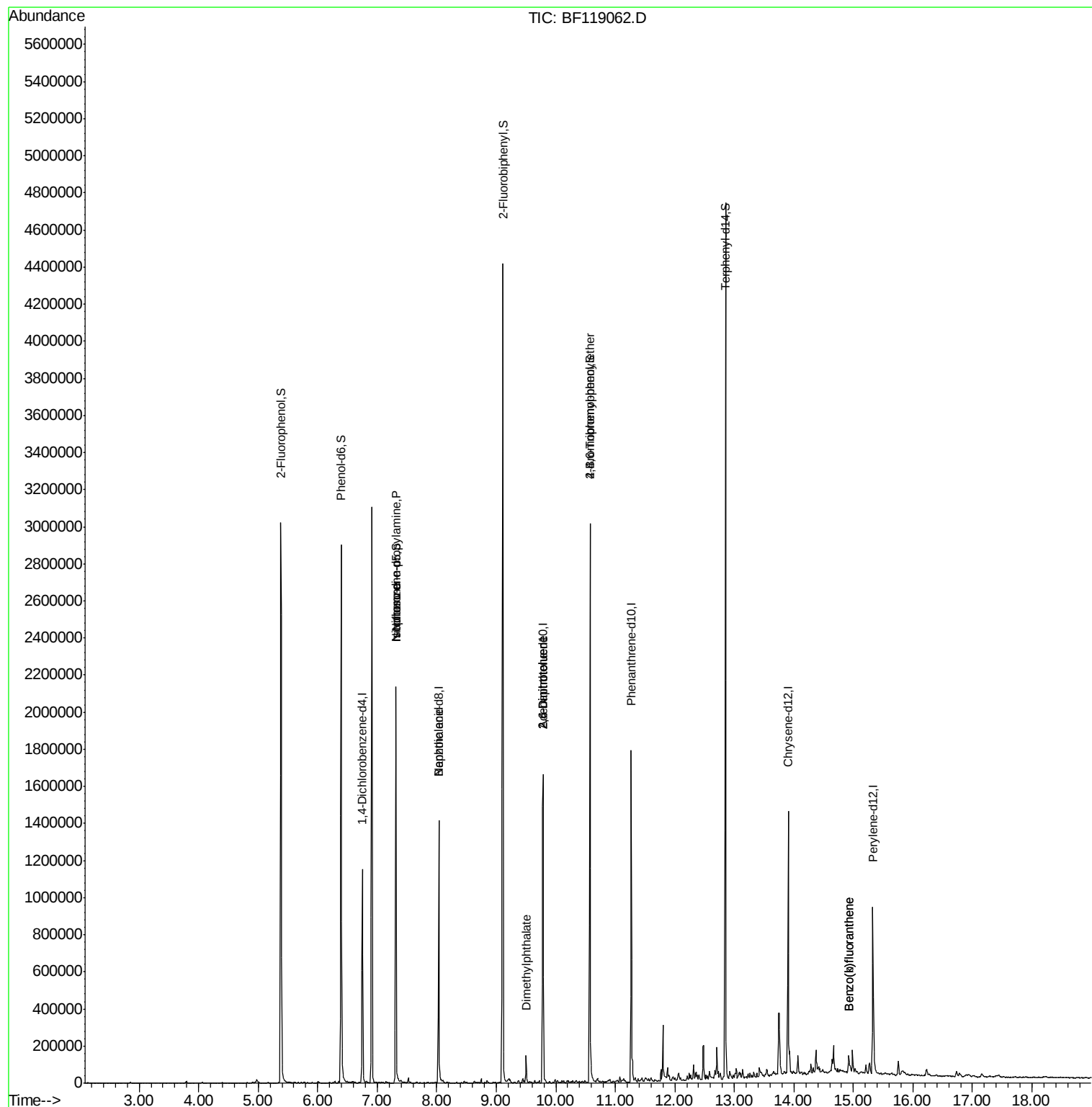
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.32	70	106282	14.396	ng	# 75
25) Isophorone	7.32	82	769742	35.018	ng	# 63
32) Benzoic acid	8.03	122	118	6.696	ng	# 1
50) Dimethylphthalate	9.50	163	69312	2.446	ng	99
51) 2,6-Dinitrotoluene	9.79	165	49325	7.834	ng	# 29
57) 2,4-Dinitrotoluene	9.79	165	49325	6.044	ng	# 28
67) 4-Bromophenyl-phenylether	10.57	248	26229	2.939	ng	# 1
88) Benzo(b)fluoranthene	14.92	252	59329	2.196	ng	96
89) Benzo(k)fluoranthene	14.92	252	59329	2.369	ng	96

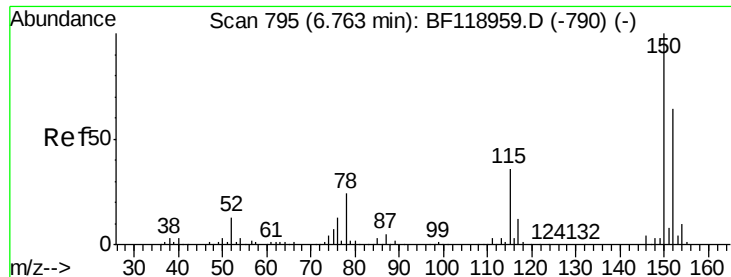
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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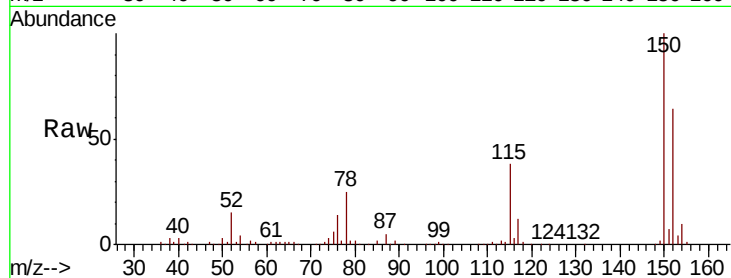


#1

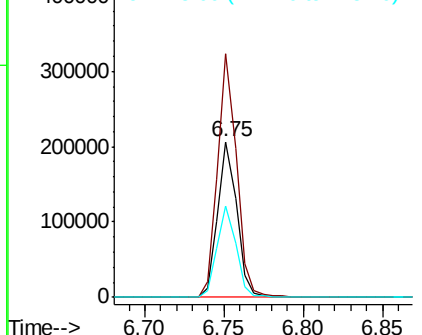
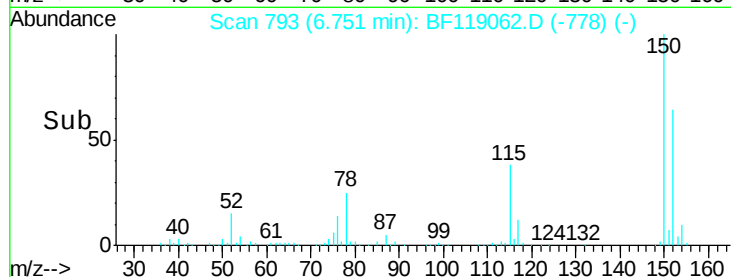
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF119062.D
Acq: 25 Feb 2020 12:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 174102
Ion Ratio Lower Upper
152 100
150 156.5 124.3 186.5
115 59.1 44.6 67.0



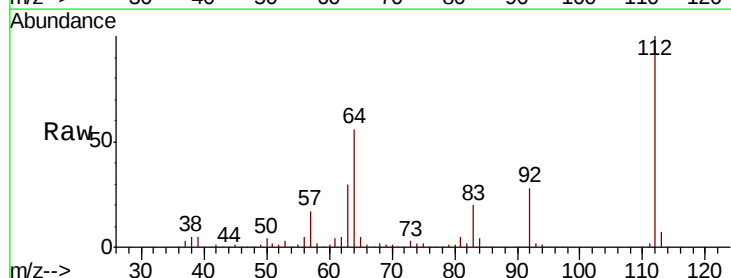
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



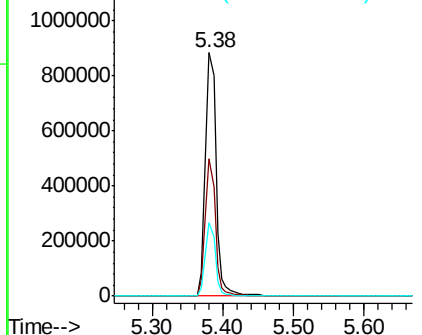
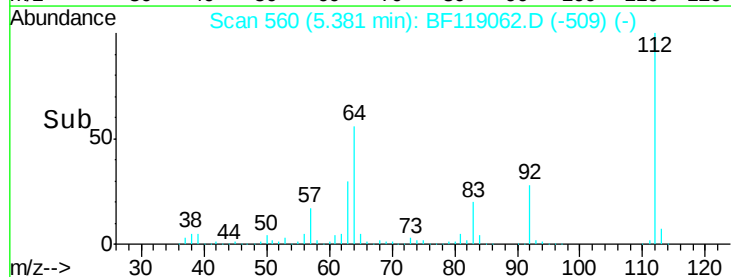
#5

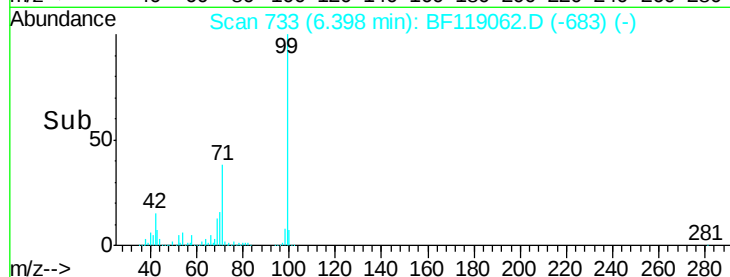
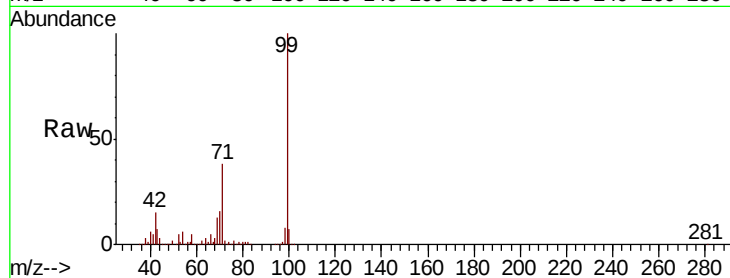
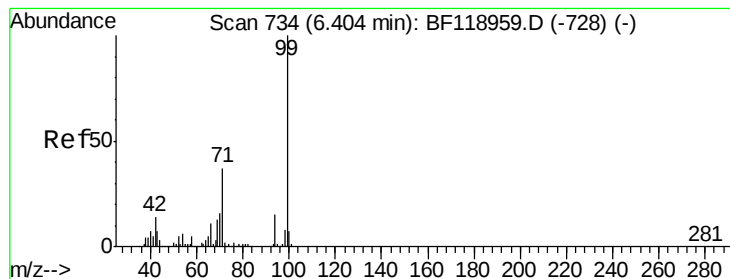
2-Fluorophenol
Concen: 90.596 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.00 min
Lab File: BF119062.D
Acq: 25 Feb 2020 12:07

Tgt Ion:112 Resp: 943827
Ion Ratio Lower Upper
112 100
64 56.4 40.4 60.6
63 30.0 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: 89.362 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF119062.D

Acq: 25 Feb 2020 12:07

Instrument :

BNA_F

ClientSampleId :

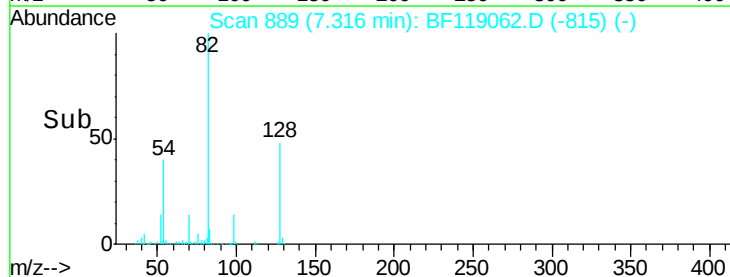
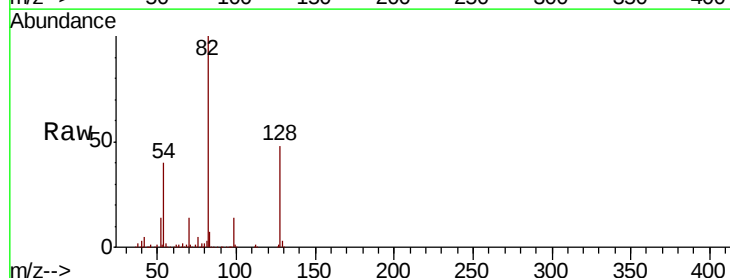
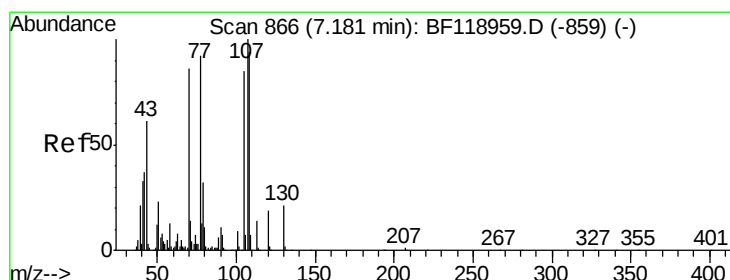
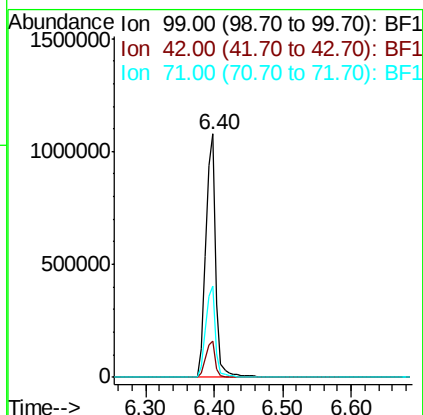
Tot Ion: 99 Resp: 1132233

Ion Ratio Lower Upper

99 100

42 14.8 11.4 17.0

71 37.7 29.8 44.6



#19

n-Nitroso-di-n-propylamine

Concen: 14.396 ng

RT: 7.32 min Scan# 889

Delta R.T. 0.14 min

Lab File: BF119062.D

Acq: 25 Feb 2020 12:07

Tgt Ion: 70 Resp: 106282

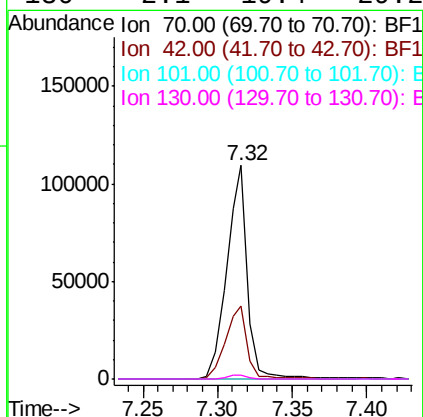
Ion Ratio Lower Upper

70 100

42 34.3 34.6 51.8#

101 0.0 8.1 12.1#

130 2.1 19.4 29.2#

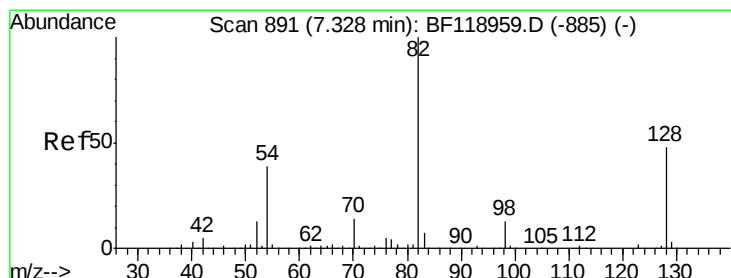
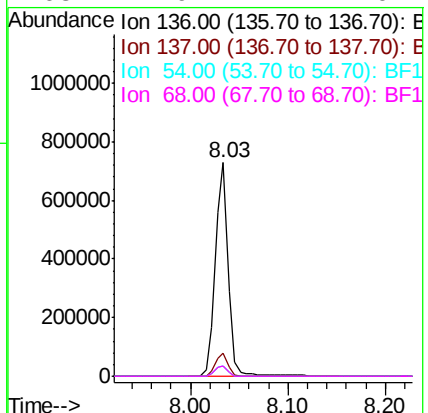
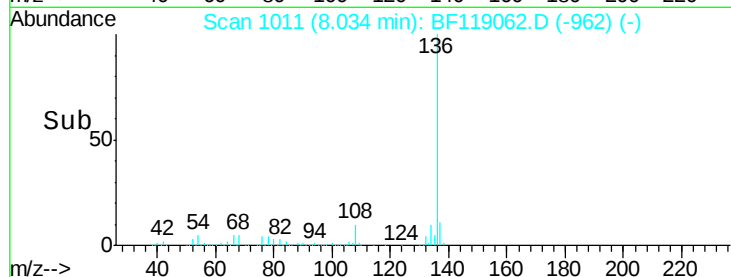
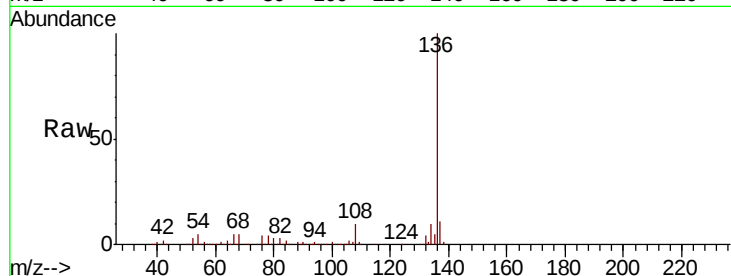




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF119062.D
Acq: 25 Feb 2020 12:07

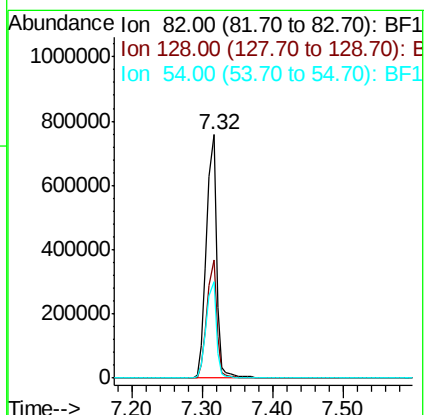
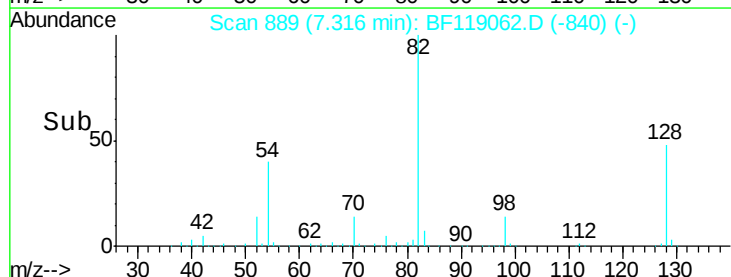
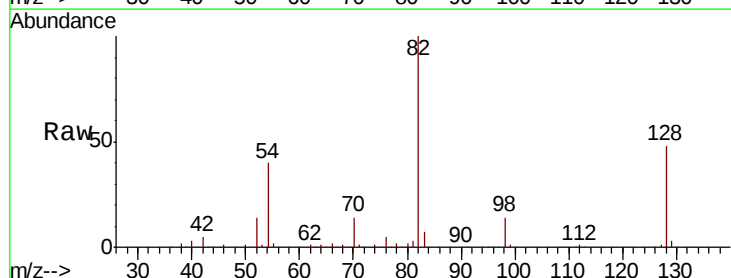
Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	668286
Ion	Ratio	Lower Upper
136	100	
137	11.0	8.9 13.3
54	4.9	3.8 5.6
68	4.9	4.2 6.2



#23
Nitrobenzene-d5
Concen: 60.811 ng
RT: 7.32 min Scan# 889
Delta R.T. -0.01 min
Lab File: BF119062.D
Acq: 25 Feb 2020 12:07

Tgt Ion: 82	Resp:	769685
Ion	Ratio	Lower Upper
82	100	
128	48.3	38.2 57.2
54	39.5	31.3 46.9





#25

Isophorone

Concen: 35.018 ng

RT: 7.32 min Scan# 889

Delta R.T. -0.27 min

Lab File: BF119062.D

Acq: 25 Feb 2020 12:07

Instrument :

BNA_F

ClientSampled :

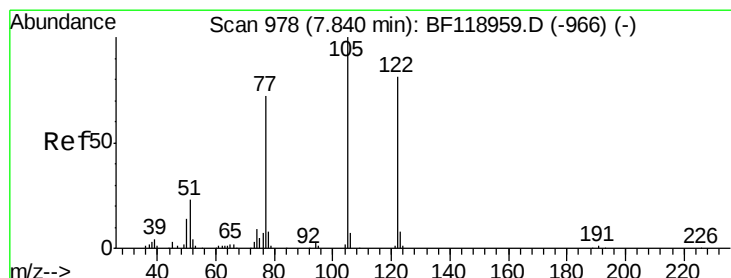
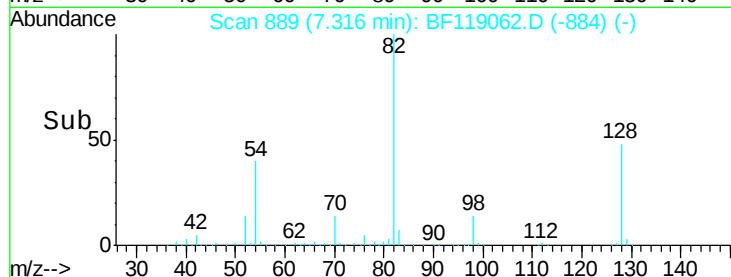
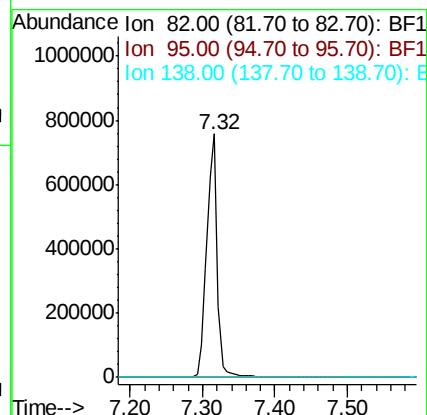
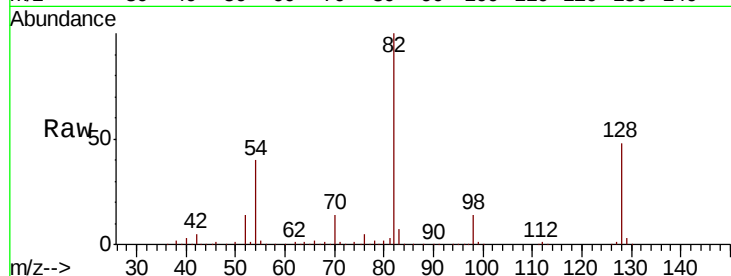
Tot Ion: 82 Resp: 769742

Ion Ratio Lower Upper

82 100

95 0.1 6.1 9.1#

138 0.0 15.8 23.6#



#32

Benzoic acid

Concen: 6.696 ng

RT: 8.03 min Scan# 1010

Delta R.T. 0.19 min

Lab File: BF119062.D

Acq: 25 Feb 2020 12:07

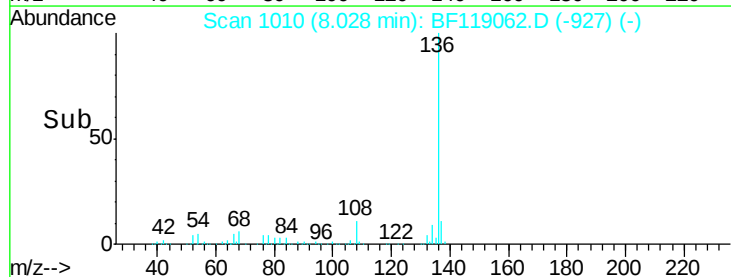
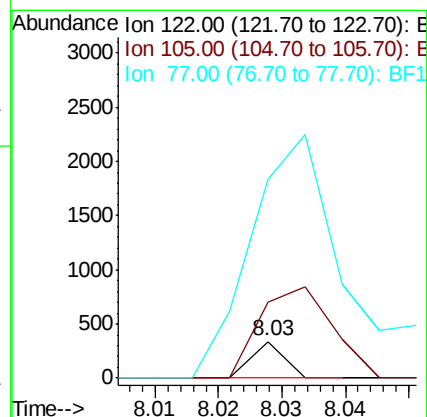
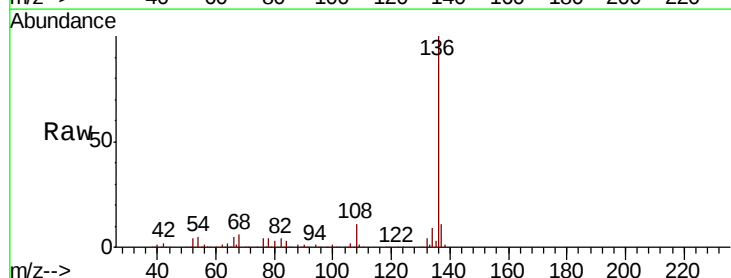
Tgt Ion: 122 Resp: 118

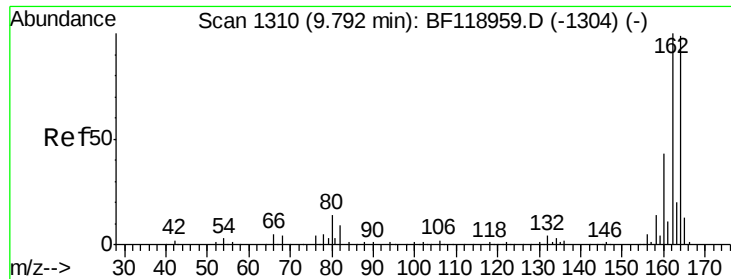
Ion Ratio Lower Upper

122 100

105 208.1 102.2 142.2#

77 546.9 68.6 108.6#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF119062.D

Acq: 25 Feb 2020 12:07

Instrument :

BNA_F

ClientSampleId :

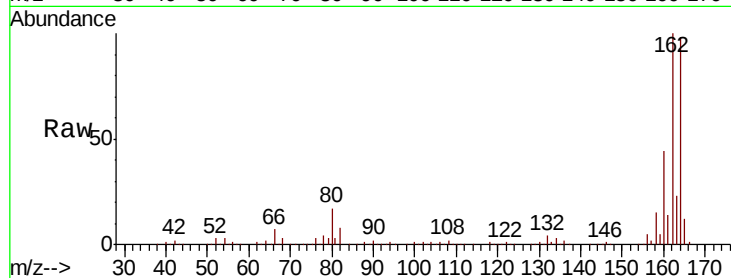
Tot Ion:164 Resp: 370591

Ion Ratio Lower Upper

164 100

162 102.0 81.2 121.8

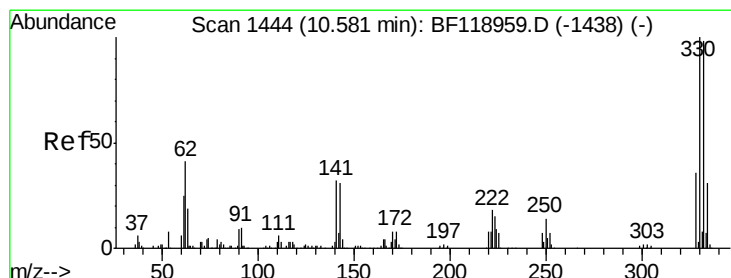
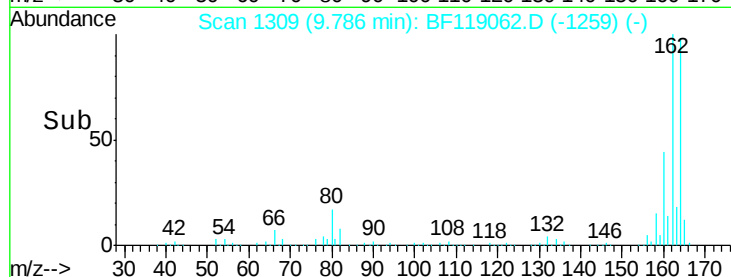
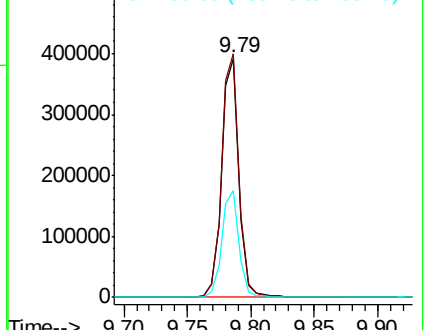
160 44.9 35.2 52.8



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: 83.074 ng

RT: 10.57 min Scan# 1443

Delta R.T. -0.01 min

Lab File: BF119062.D

Acq: 25 Feb 2020 12:07

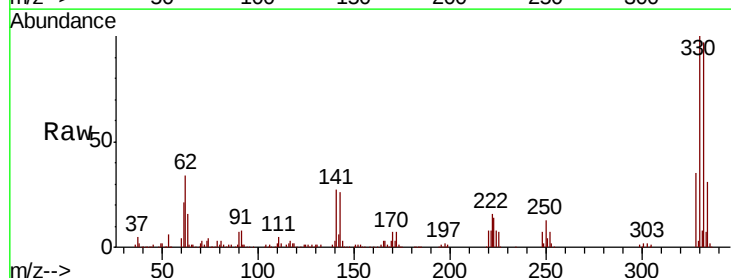
Tgt Ion:330 Resp: 402737

Ion Ratio Lower Upper

330 100

332 98.1 77.1 115.7

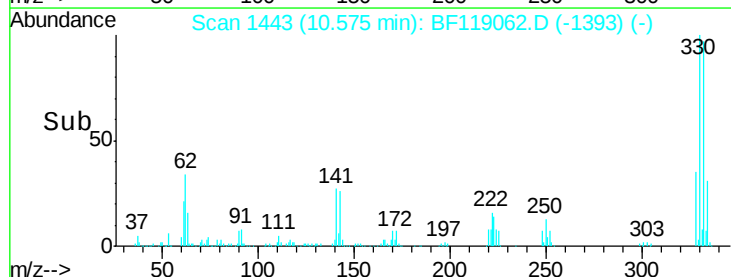
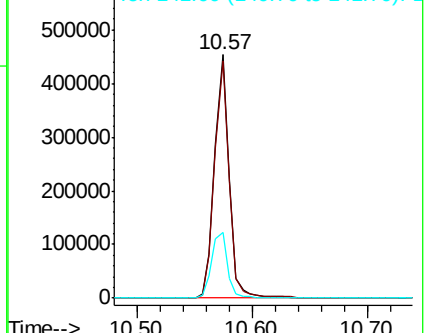
141 29.5 23.0 34.6

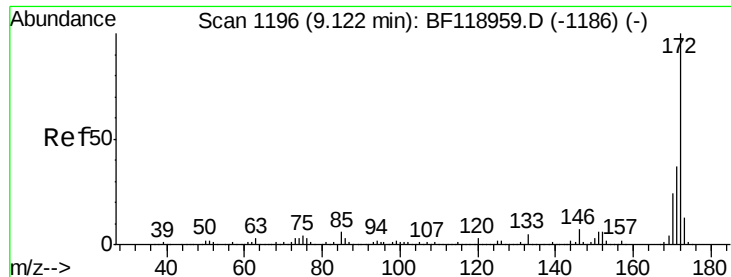


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



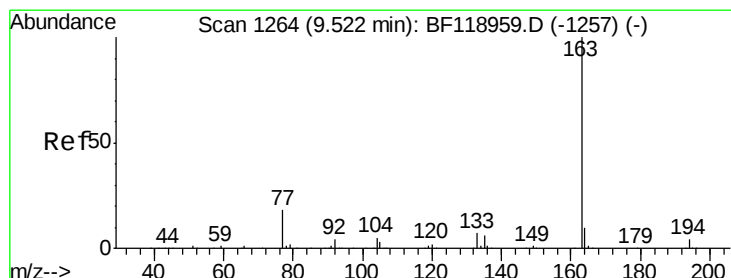
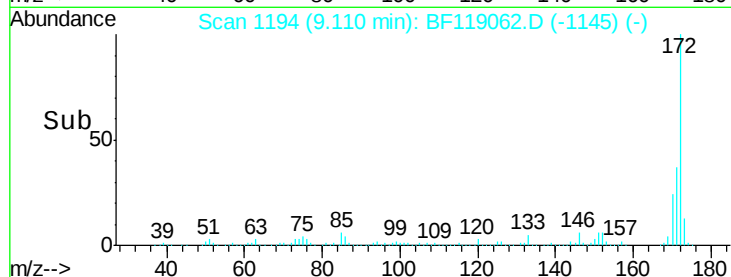
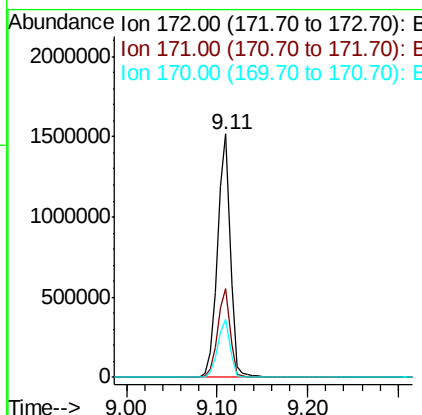
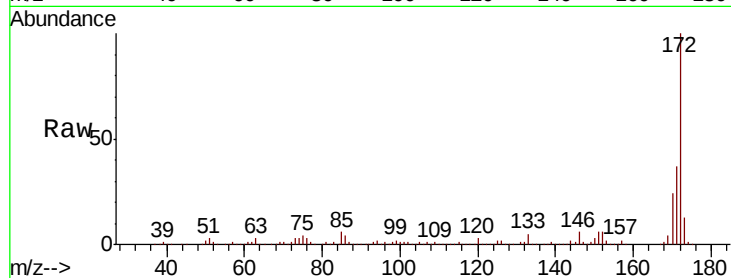


#45
 2-Fluorobiphenyl
 Concen: 58.355 ng
 RT: 9.11 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF119062.D
 Acq: 25 Feb 2020 12:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1467967

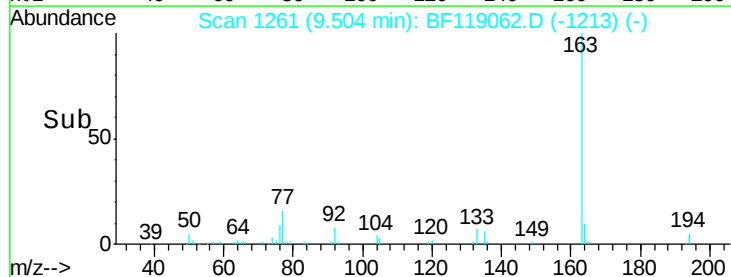
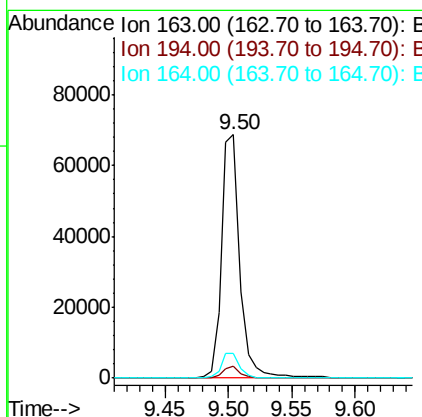
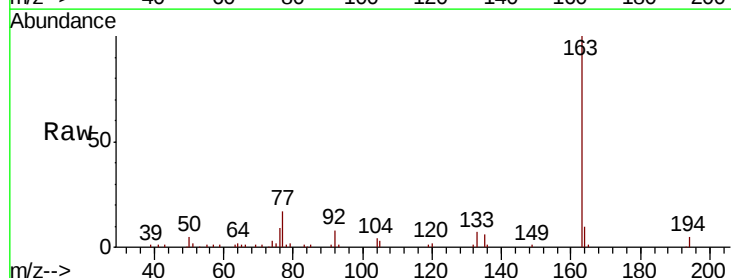
Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.4	44.2
170	24.1	19.6	29.4

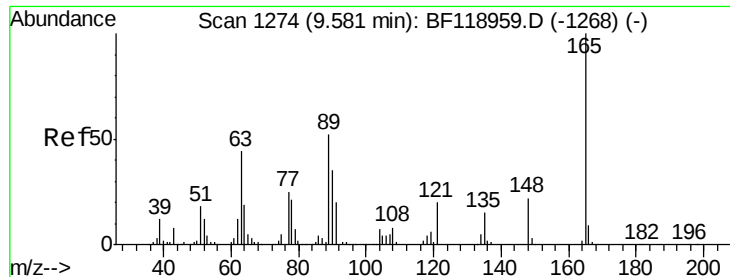


#50
 Dimethylphthalate
 Concen: 2.446 ng
 RT: 9.50 min Scan# 1261
 Delta R.T. -0.02 min
 Lab File: BF119062.D
 Acq: 25 Feb 2020 12:07

Tgt Ion:163 Resp: 69312

Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.4	5.2
164	10.4	8.2	12.2





#51

2,6-Dinitrotoluene

Concen: 7.834 ng

RT: 9.79 min Scan# 1309

Delta R.T. 0.21 min

Lab File: BF119062.D

Acq: 25 Feb 2020 12:07

Instrument :

BNA_F

ClientSampleId :

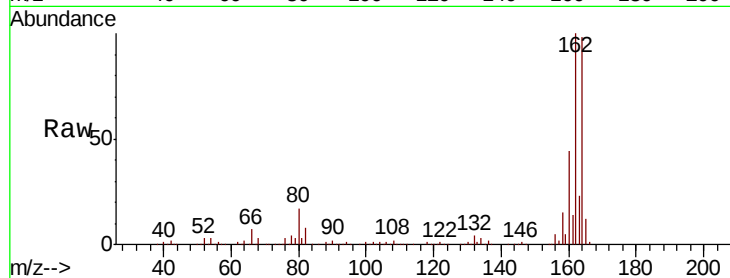
Tot Ion:165 Resp: 49325

Ion Ratio Lower Upper

165 100

63 1.0 37.9 56.9#

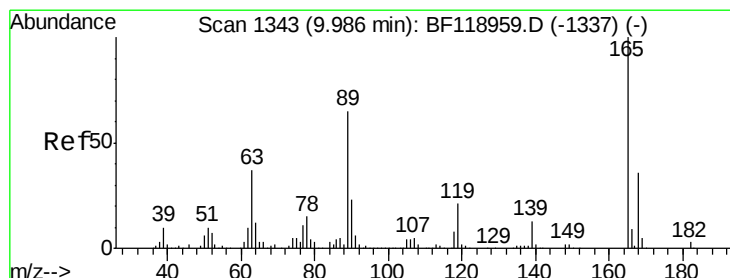
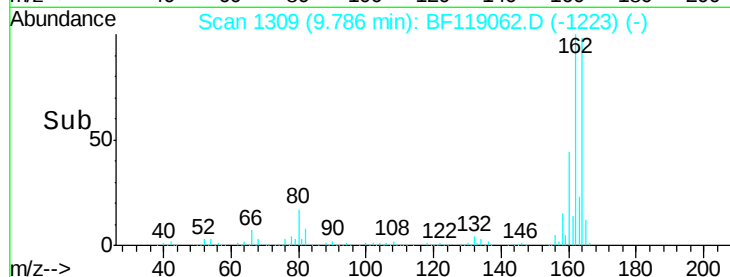
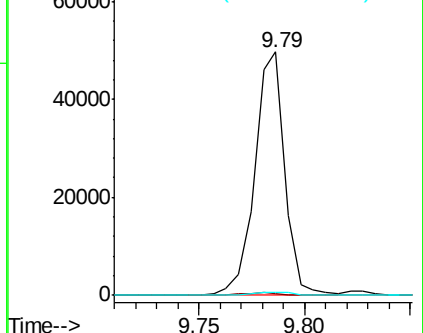
89 1.4 41.4 62.0#



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: 6.044 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.20 min

Lab File: BF119062.D

Acq: 25 Feb 2020 12:07

Tgt Ion:165 Resp: 49325

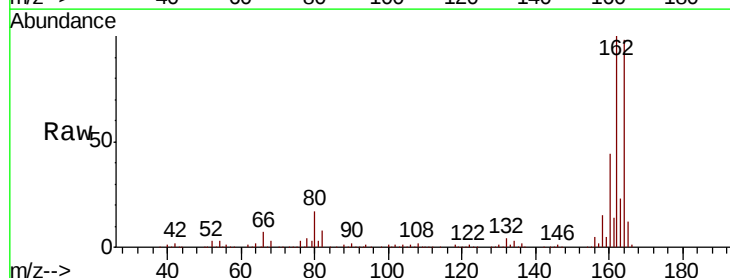
Ion Ratio Lower Upper

165 100

63 1.0 29.8 44.8#

89 1.4 51.9 77.9#

182 0.0 2.3 3.5#

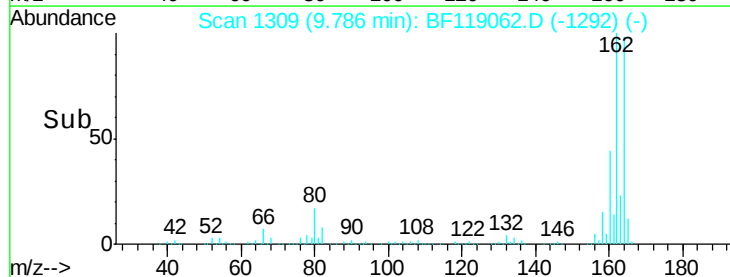
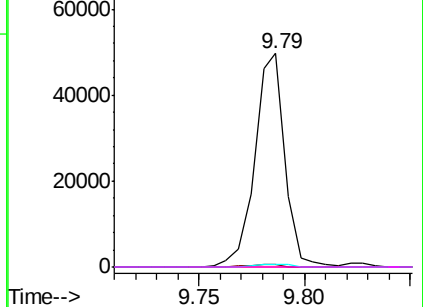


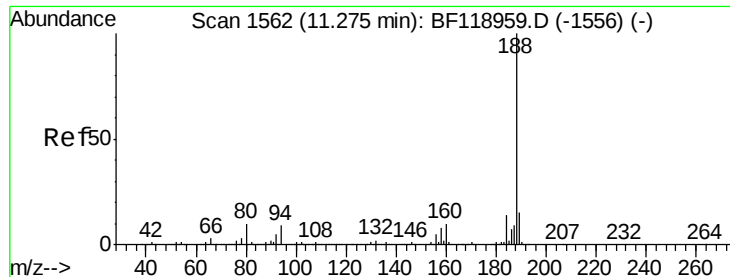
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF119062.D

Acq: 25 Feb 2020 12:07

Instrument :

BNA_F

ClientSampleId :

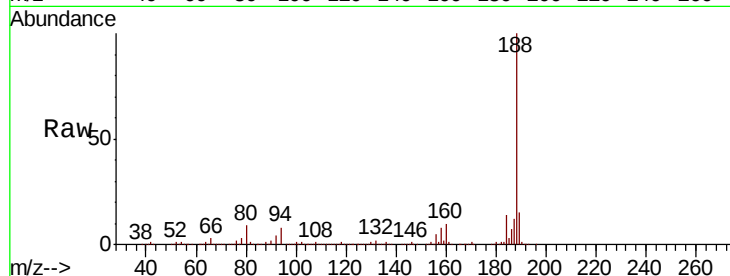
Tot Ion:188 Resp: 682866

Ion Ratio Lower Upper

188 100

94 8.1 7.0 10.6

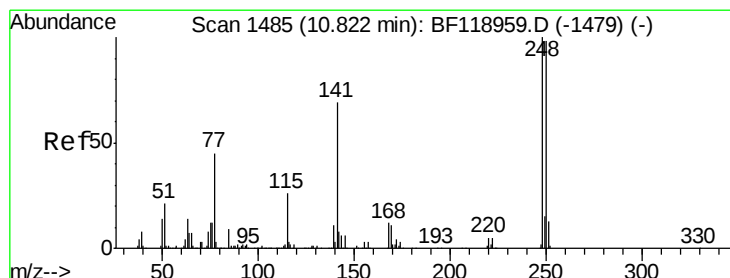
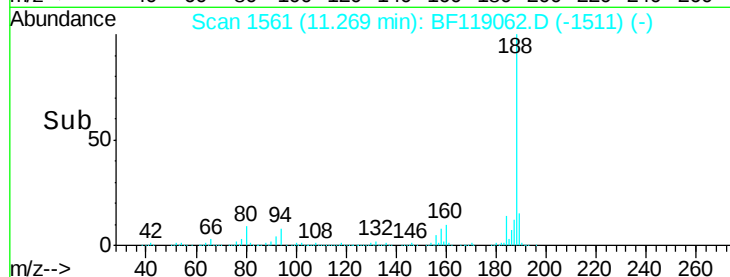
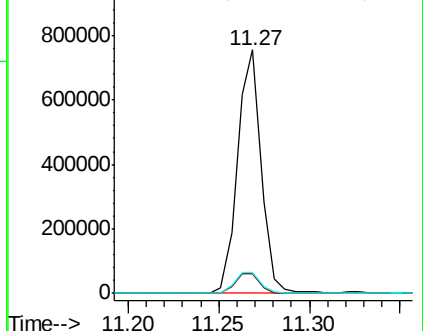
80 8.5 7.9 11.9



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: 2.939 ng

RT: 10.57 min Scan# 1443

Delta R.T. -0.25 min

Lab File: BF119062.D

Acq: 25 Feb 2020 12:07

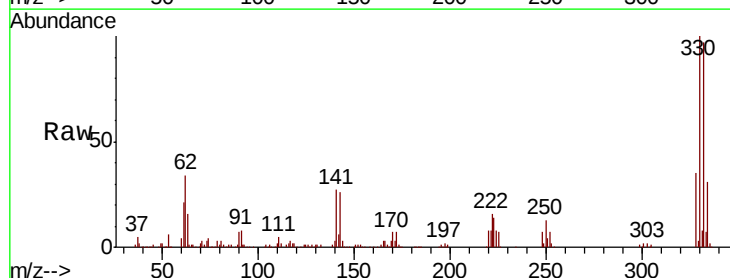
Tgt Ion:248 Resp: 26229

Ion Ratio Lower Upper

248 100

250 199.4 78.8 118.2#

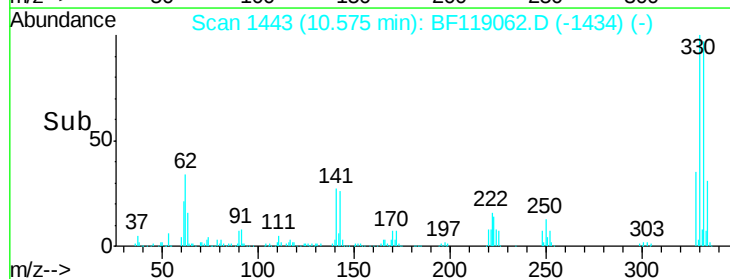
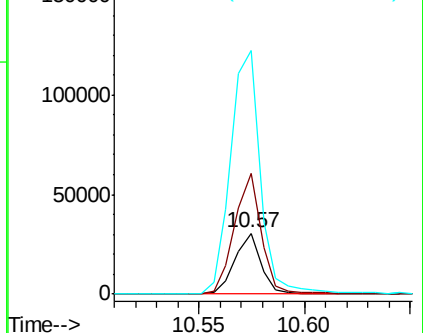
141 402.1 55.3 82.9#

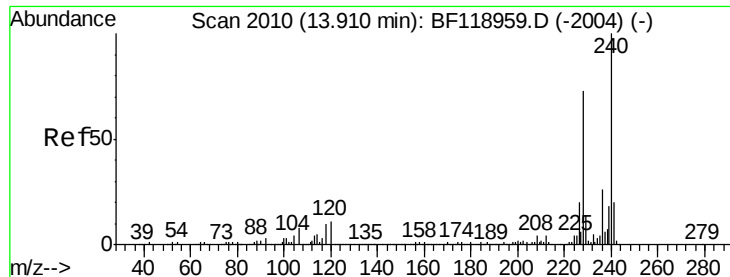


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

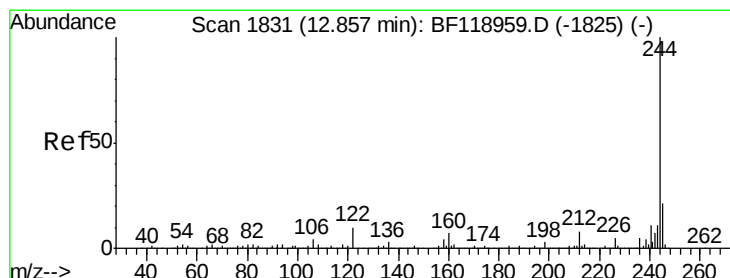
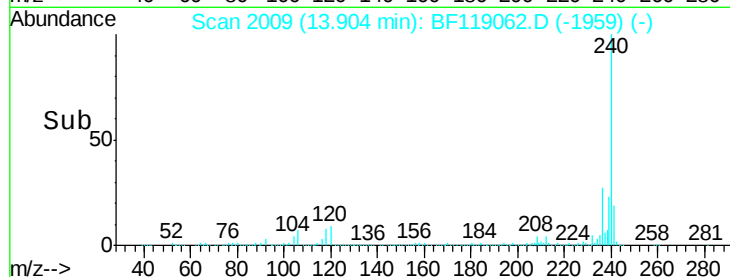
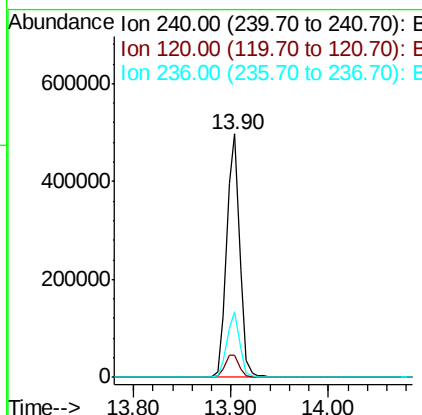
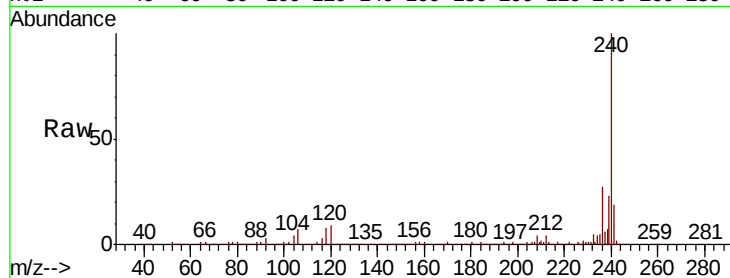




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.90 min Scan# 2009
 Delta R.T. -0.01 min
 Lab File: BF119062.D
 Acq: 25 Feb 2020 12:07

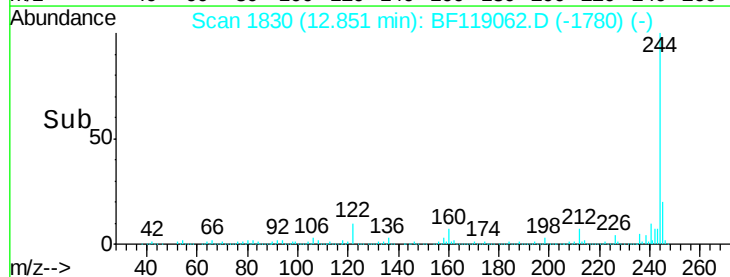
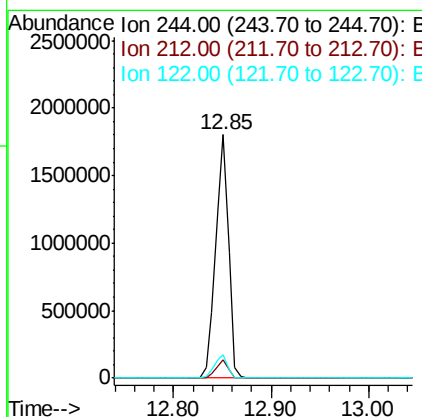
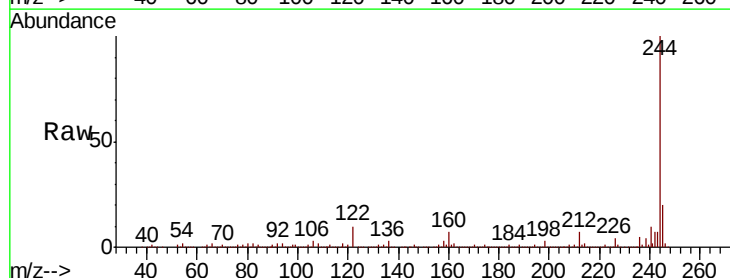
Instrument :
 BNA_F
 ClientSampleId :

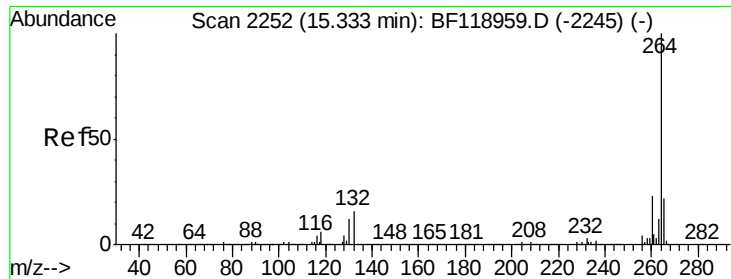
Tot Ion	Ratio	Lower	Upper
240	100		
120	9.3	8.9	13.3
236	26.7	20.6	30.8



#79
 Terphenyl-d14
 Concen: 61.604 ng
 RT: 12.85 min Scan# 1830
 Delta R.T. -0.01 min
 Lab File: BF119062.D
 Acq: 25 Feb 2020 12:07

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.3	9.5
122	9.7	8.4	12.6

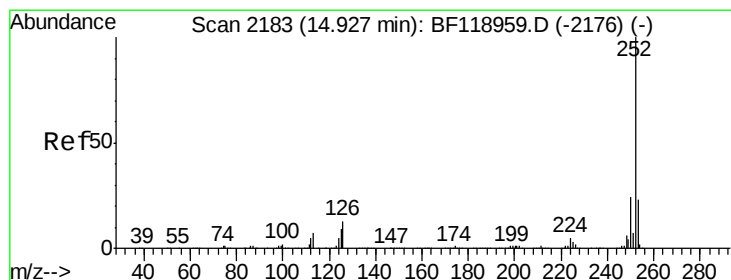
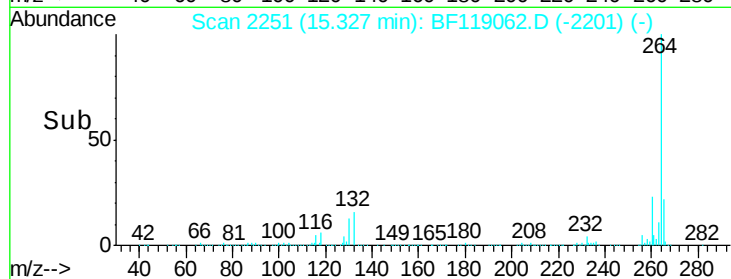
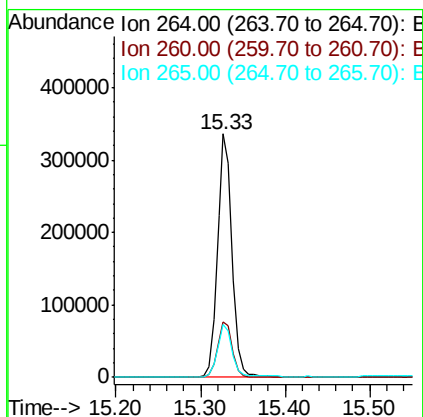
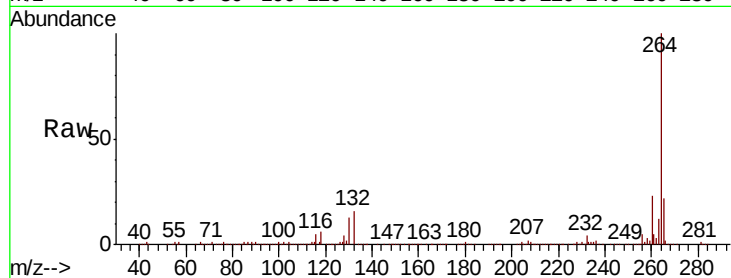




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2251
Delta R.T. -0.01 min
Lab File: BF119062.D
Acq: 25 Feb 2020 12:07

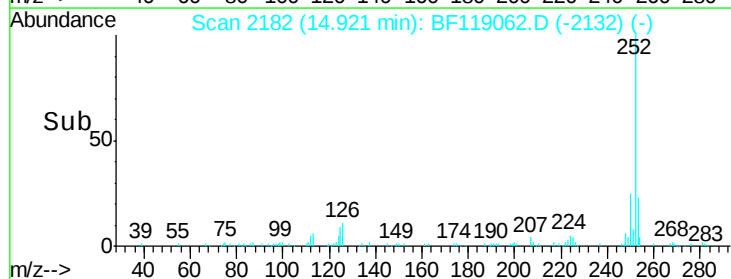
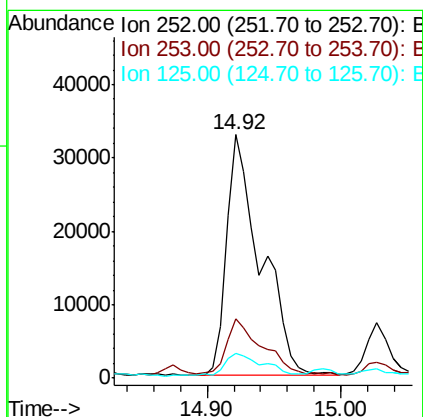
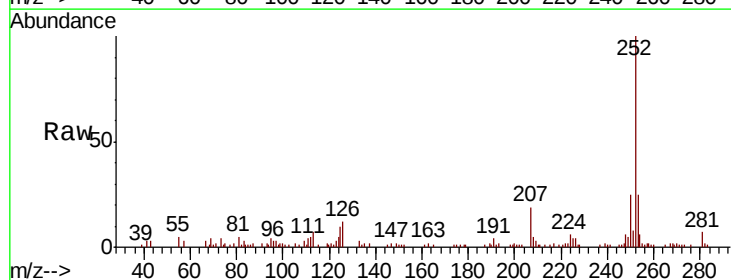
Instrument :
BNA_F
ClientSampleId :

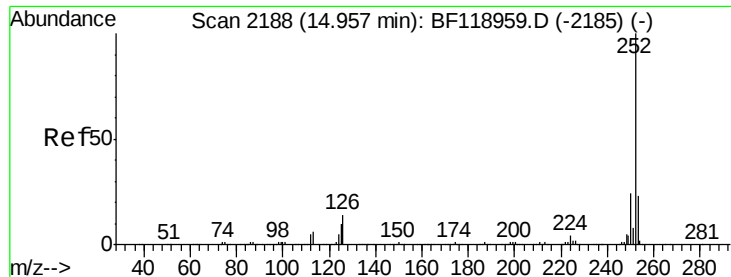
Tot Ion:264 Resp: 409908
Ion Ratio Lower Upper
264 100
260 23.0 18.6 28.0
265 21.9 17.3 25.9



#88
Benzo(b)fluoranthene
Concen: 2.196 ng
RT: 14.92 min Scan# 2182
Delta R.T. -0.01 min
Lab File: BF119062.D
Acq: 25 Feb 2020 12:07

Tgt Ion:252 Resp: 59329
Ion Ratio Lower Upper
252 100
253 24.5 18.2 27.2
125 10.2 7.4 11.0

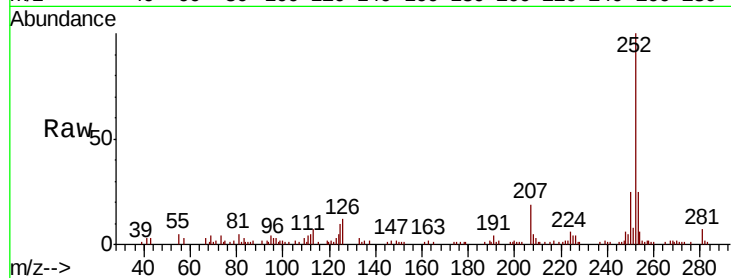




#89
 Benzo(k)fluoranthene
 Concen: 2.369 ng
 RT: 14.92 min Scan# 2182
 Delta R.T. -0.04 min
 Lab File: BF119062.D
 Acq: 25 Feb 2020 12:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.9	26.9
125	10.2	7.3	10.9



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

