

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030520\
 Data File : BF119239.D
 Acq On : 6 Mar 2020 4:22
 Operator : CG/JU
 Sample : L1748-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 06 06:33:49 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

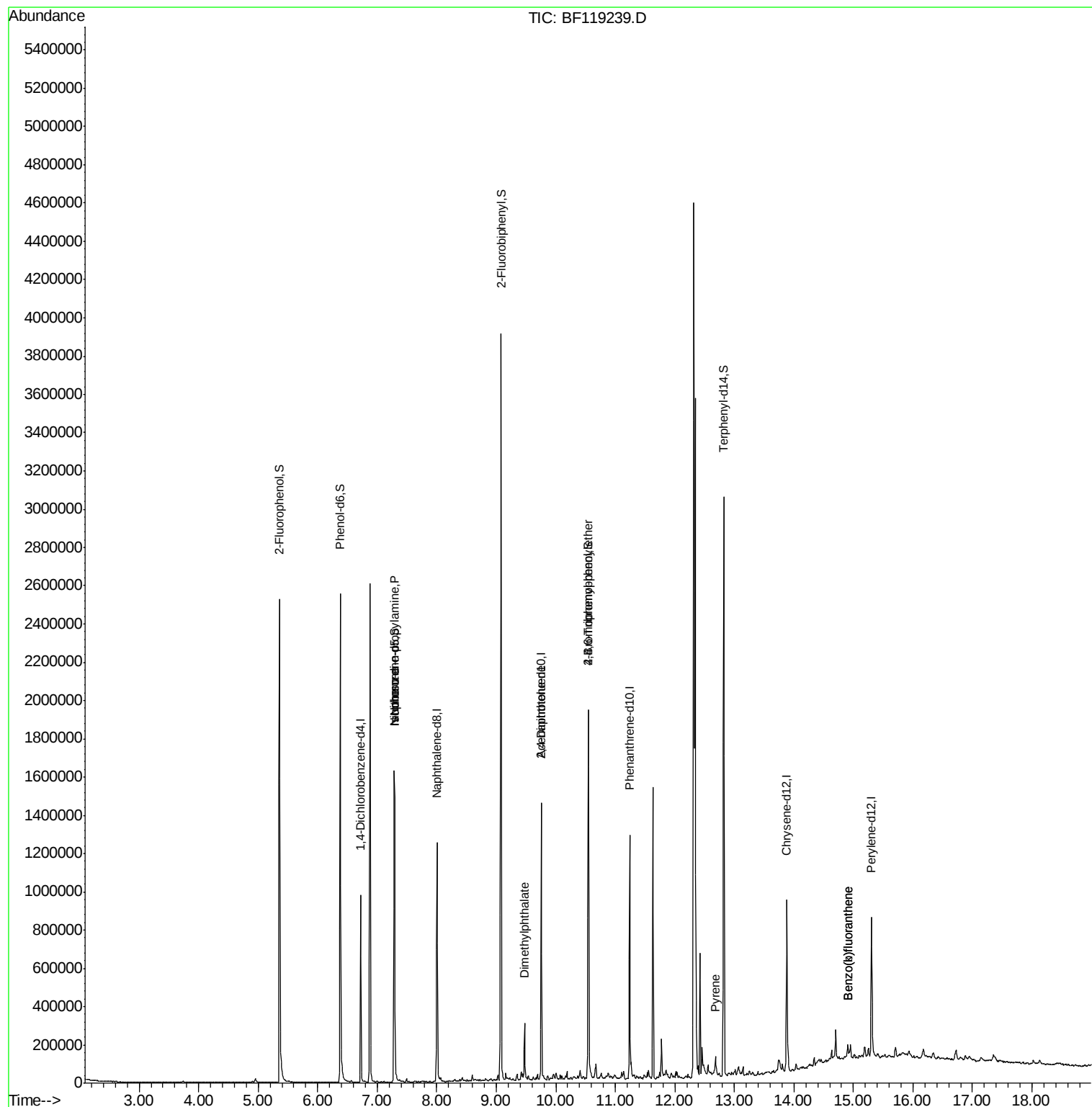
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	151023	20.00	ng	-0.02
21) Naphthalene-d8	8.00	136	564860	20.00	ng	-0.03
39) Acenaphthene-d10	9.76	164	288351	20.00	ng	-0.03
64) Phenanthrene-d10	11.24	188	447621	20.00	ng	-0.02
76) Chrysene-d12	13.88	240	274005	20.00	ng	-0.02
87) Perylene-d12	15.30	264	317578	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	796235	88.11	ng	-0.01
7) Phenol-d6	6.38	99	953402	86.75	ng	-0.02
23) Nitrobenzene-d5	7.29	82	632719	59.14	ng	-0.04
42) 2,4,6-Tribromophenol	10.55	330	270058	71.59	ng	-0.02
45) 2-Fluorobiphenyl	9.08	172	1186397	60.61	ng	-0.03
79) Terphenyl-d14	12.82	244	983029	61.77	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	88615	13.837	ng	# 75
25) Isophorone	7.29	82	632713	34.054	ng	# 63
50) Dimethylphthalate	9.47	163	113597	5.152	ng	100
57) 2,4-Dinitrotoluene	9.76	165	37370	5.885	ng	# 21
67) 4-Bromophenyl-phenylether	10.55	248	18110	3.095	ng	# 1
78) Pyrene	12.69	202	46208	2.100	ng	97
88) Benzo(b)fluoranthene	14.90	252	43119	2.060	ng	# 92
89) Benzo(k)fluoranthene	14.90	252	43119	2.223	ng	# 91

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

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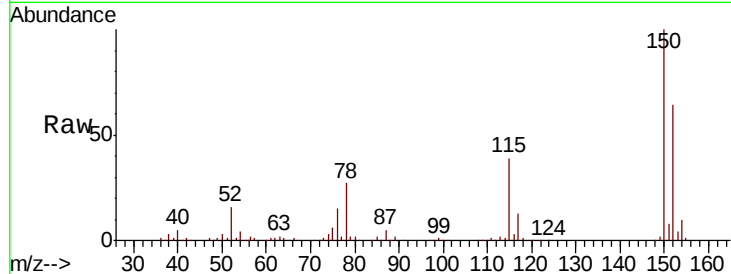


#1

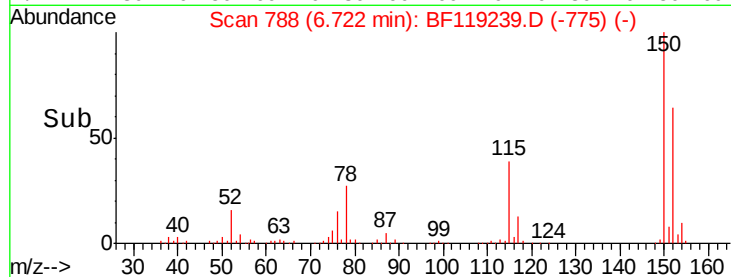
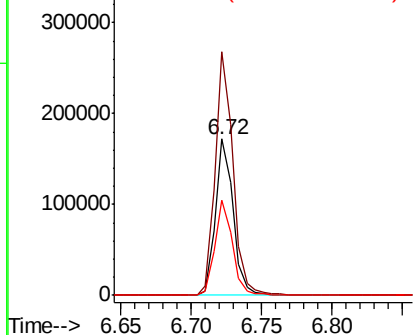
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. -0.02 min
 Lab File: BF119239.D
 Acq: 6 Mar 2020 4:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 151023
 Ion Ratio Lower Upper
 152 100
 150 155.6 123.0 184.6
 115 60.9 49.5 74.3



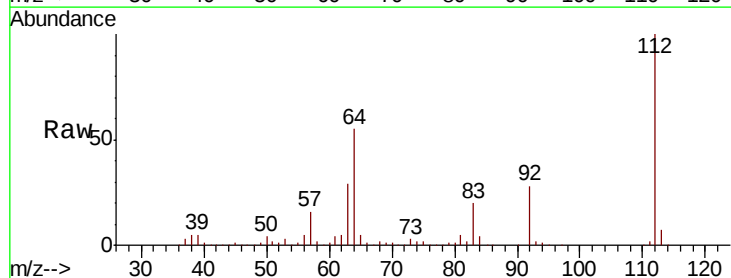
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



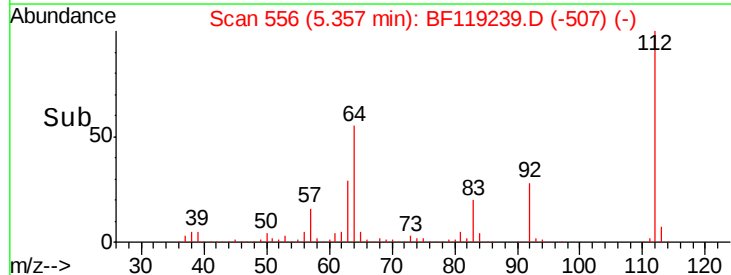
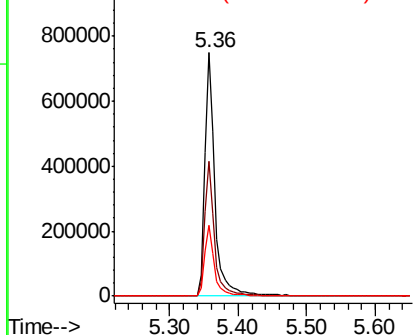
#5

2-Fluorophenol
 Concen: 88.109 ng
 RT: 5.36 min Scan# 556
 Delta R.T. -0.01 min
 Lab File: BF119239.D
 Acq: 6 Mar 2020 4:22

Tgt Ion:112 Resp: 796235
 Ion Ratio Lower Upper
 112 100
 64 55.2 45.0 67.4
 63 29.2 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: 86.747 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.02 min

Lab File: BF119239.D

Acq: 6 Mar 2020 4:22

Instrument :

BNA_F

ClientSampleId :

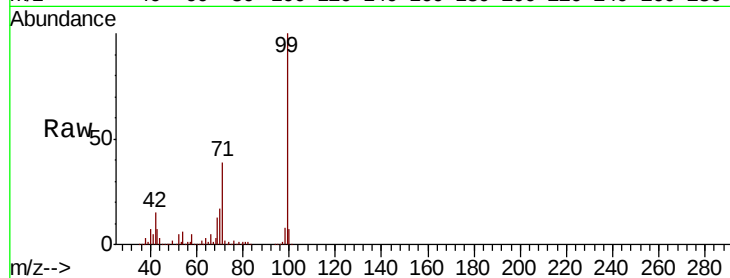
Tot Ion: 99 Resp: 953402

Ion Ratio Lower Upper

99 100

42 15.0 12.6 18.8

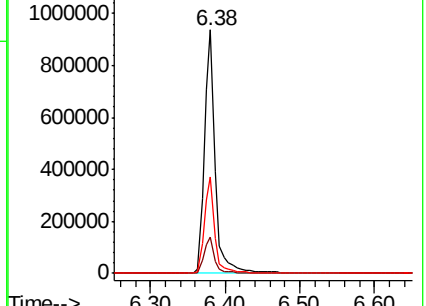
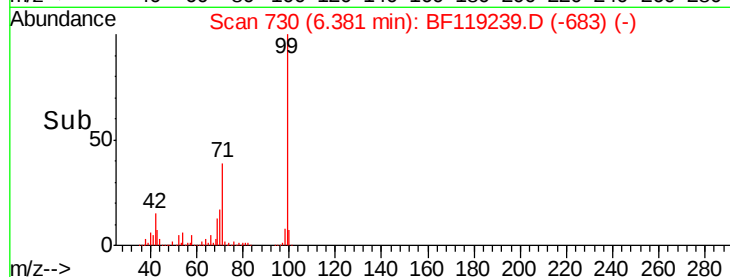
71 39.4 31.0 46.4



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: 13.837 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.11 min

Lab File: BF119239.D

Acq: 6 Mar 2020 4:22

Tgt Ion: 70 Resp: 88615

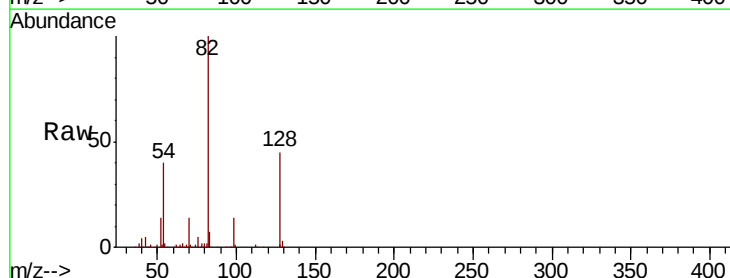
Ion Ratio Lower Upper

70 100

42 37.2 38.0 57.0#

101 0.0 8.2 12.4#

130 2.0 18.2 27.4#

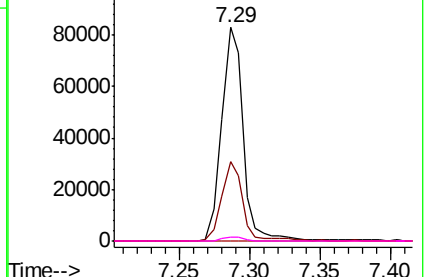
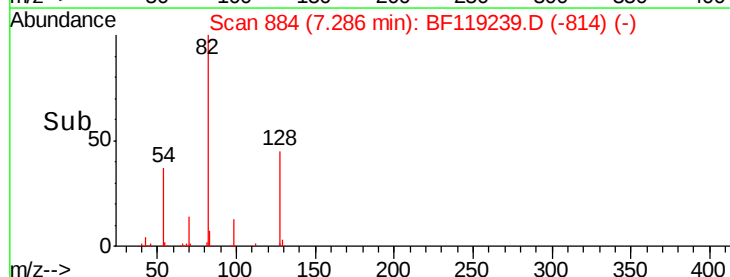


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

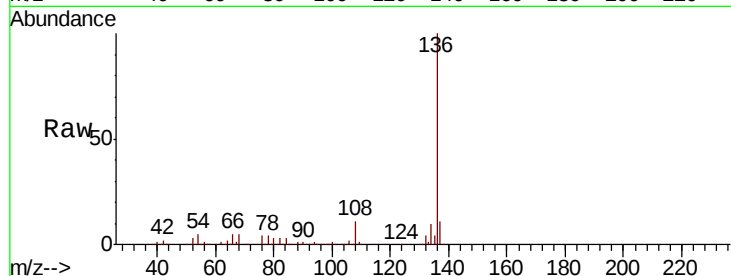




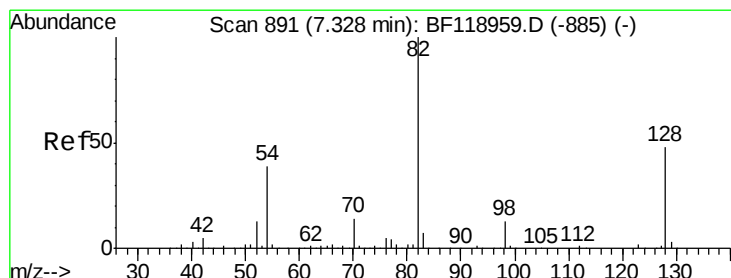
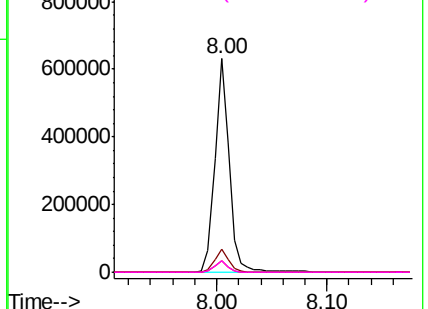
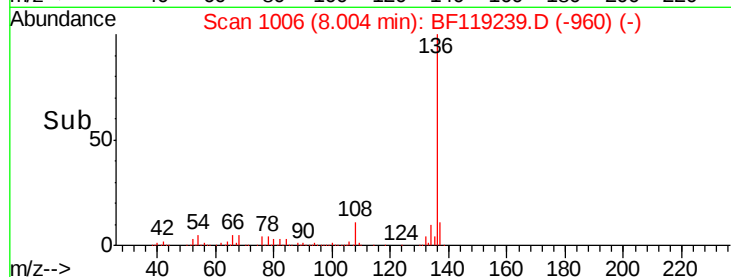
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.03 min
Lab File: BF119239.D
Acq: 6 Mar 2020 4:22

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	564860
Ion	Ratio	Lower Upper
136	100	
137	10.9	8.8 13.2
54	5.2	3.8 5.6
68	5.4	3.9 5.9

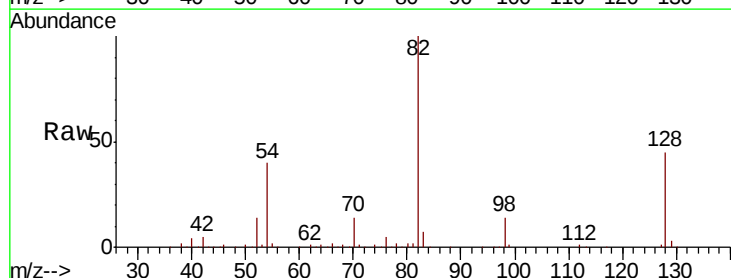


Abundance Ion 136.00 (135.70 to 136.70): E
1000000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

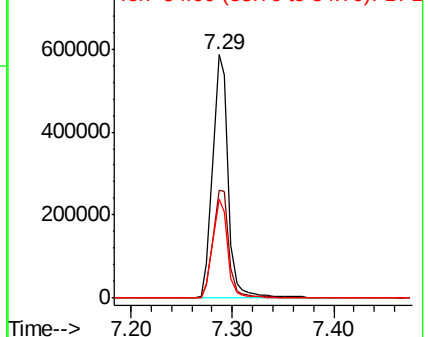
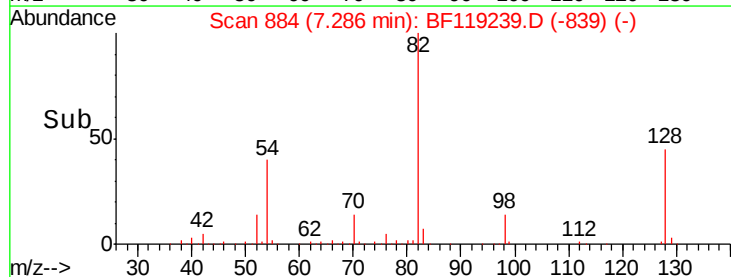


#23
Nitrobenzene-d5
Concen: 59.143 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.04 min
Lab File: BF119239.D
Acq: 6 Mar 2020 4:22

Tgt Ion: 82	Resp:	632719
Ion	Ratio	Lower Upper
82	100	
128	44.6	37.9 56.9
54	40.4	33.4 50.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
800000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

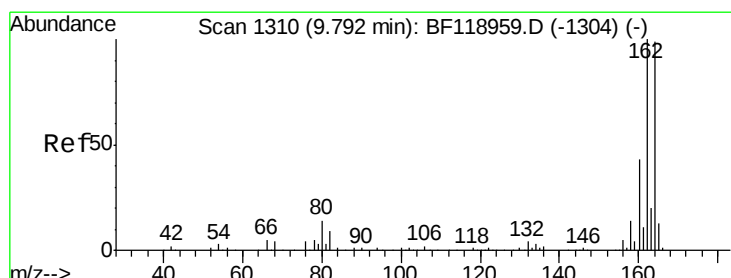
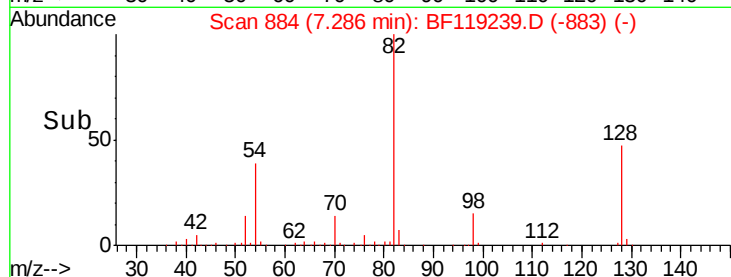
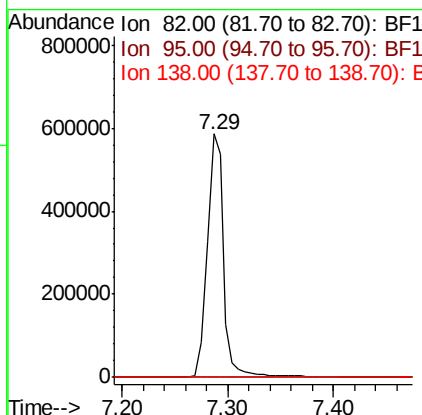
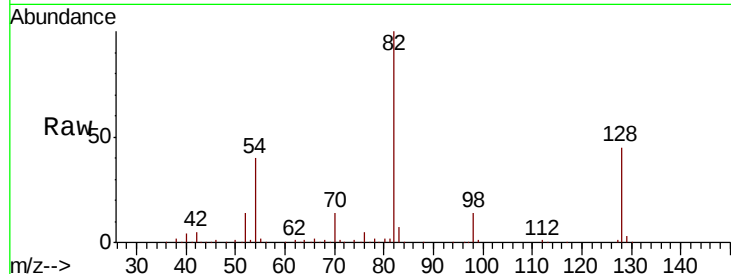




#25
Isophorone
Concen: 34.054 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.29 min
Lab File: BF119239.D
Acq: 6 Mar 2020 4:22

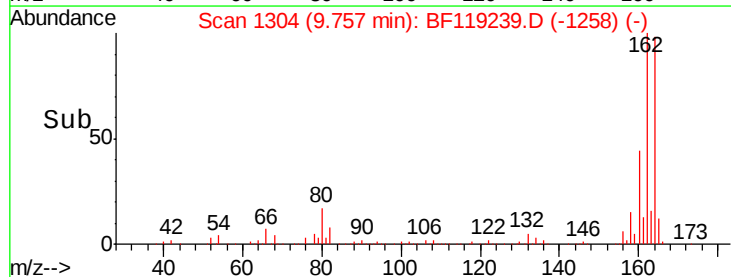
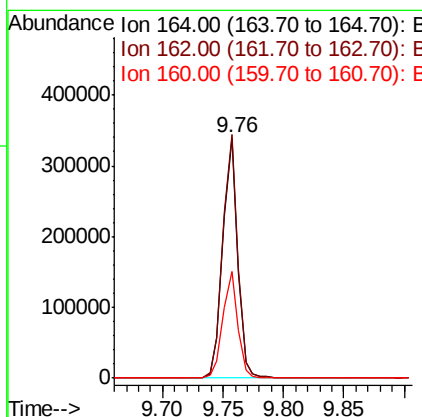
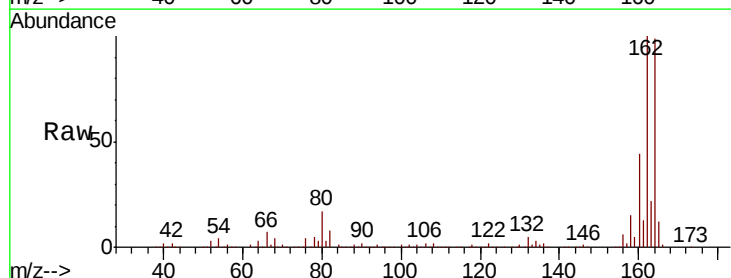
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 632713
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 15.7 23.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.03 min
Lab File: BF119239.D
Acq: 6 Mar 2020 4:22

Tgt Ion: 164 Resp: 288351
Ion Ratio Lower Upper
164 100
162 101.5 81.8 122.8
160 44.5 36.0 54.0

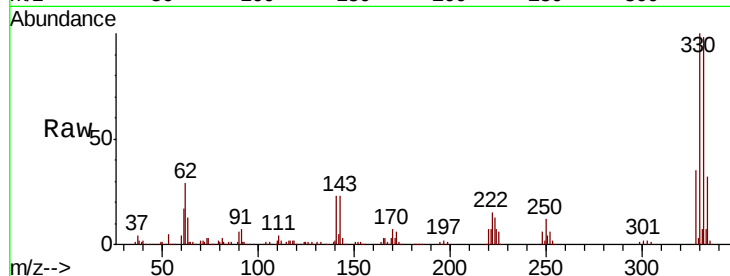




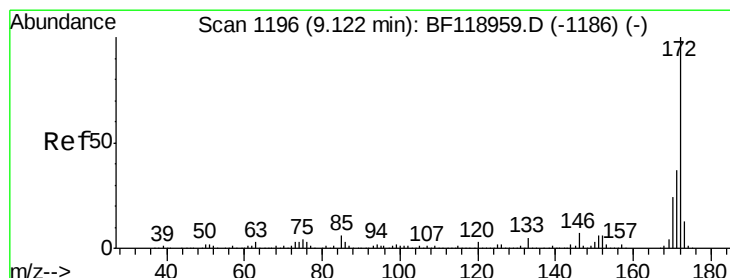
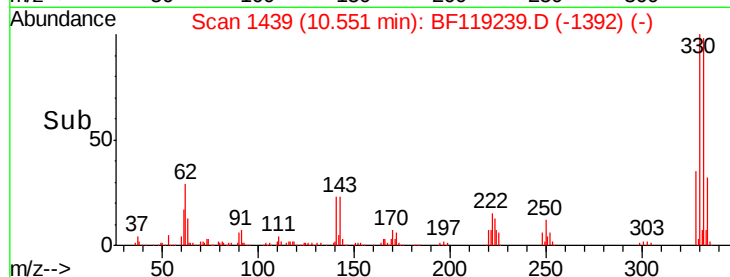
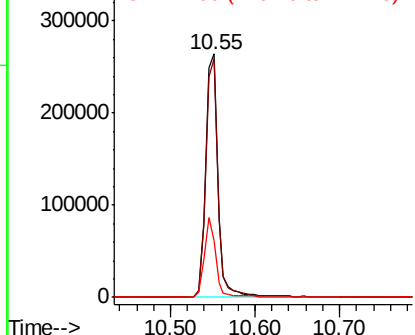
#42
 2,4,6-Tribromophenol
 Concen: 71.593 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.02 min
 Lab File: BF119239.D
 Acq: 6 Mar 2020 4:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.0	114.0
141	30.5	22.9	34.3

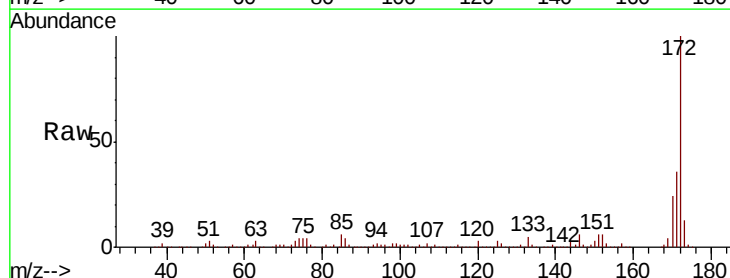


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

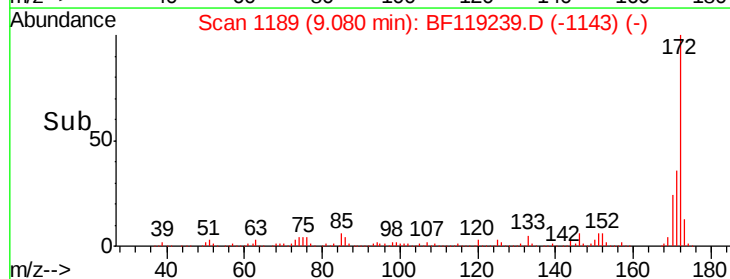
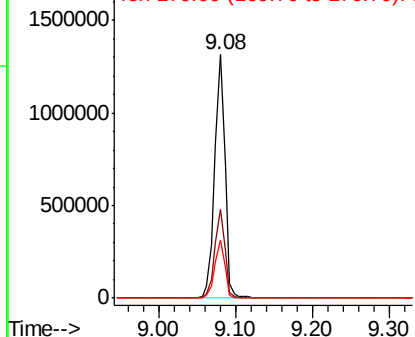


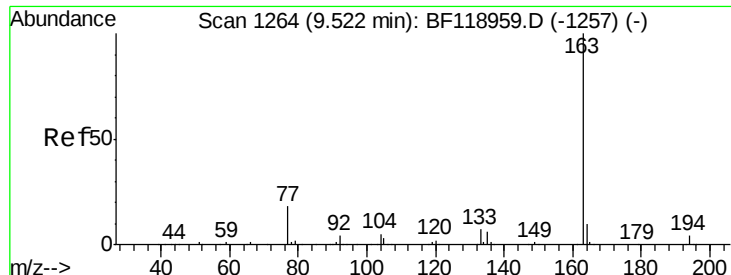
#45
 2-Fluorobiphenyl
 Concen: 60.612 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.03 min
 Lab File: BF119239.D
 Acq: 6 Mar 2020 4:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	30.6	45.8
170	24.0	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

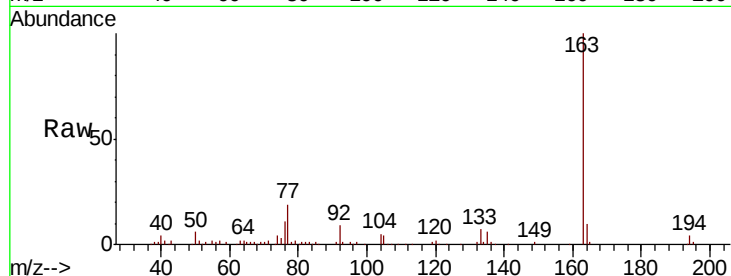




#50
Dimethylphthalate
Concen: 5.152 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.04 min
Lab File: BF119239.D
Acq: 6 Mar 2020 4:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.5	5.3
164	10.3	8.4	12.6

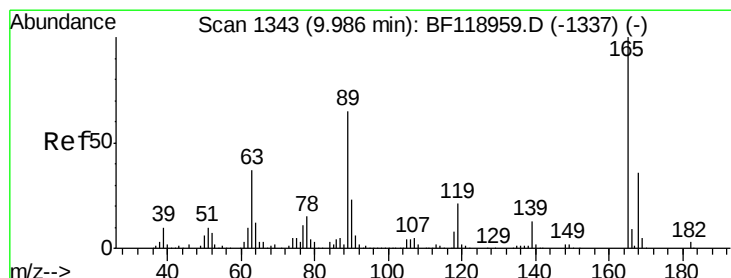
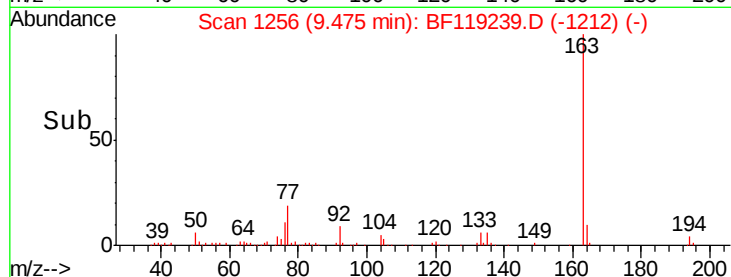
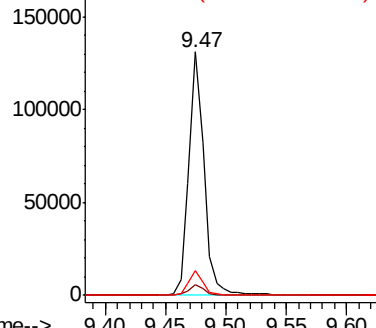


Abundance

Ion 163.00 (162.70 to 163.70): E

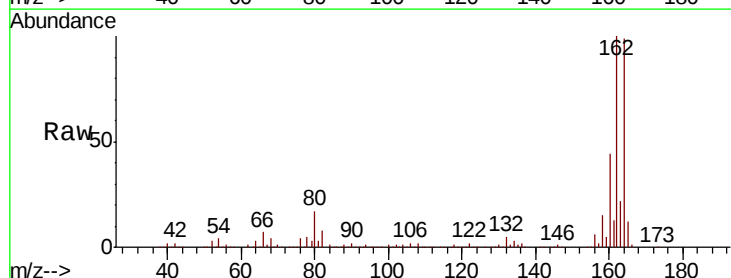
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57
2,4-Dinitrotoluene
Concen: 5.885 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.23 min
Lab File: BF119239.D
Acq: 6 Mar 2020 4:22

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	42.3	63.5#
89	1.7	60.2	90.4#
182	0.0	2.3	3.5#



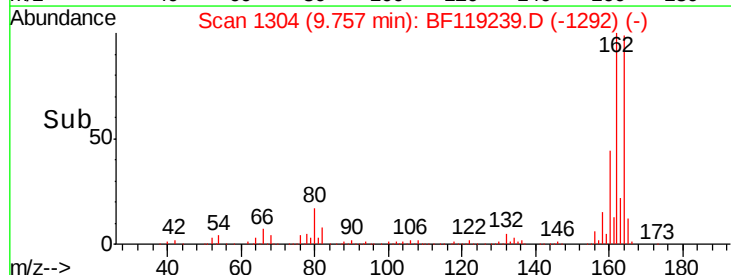
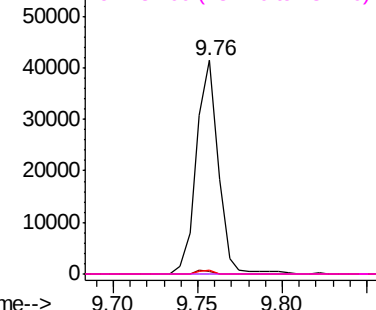
Abundance

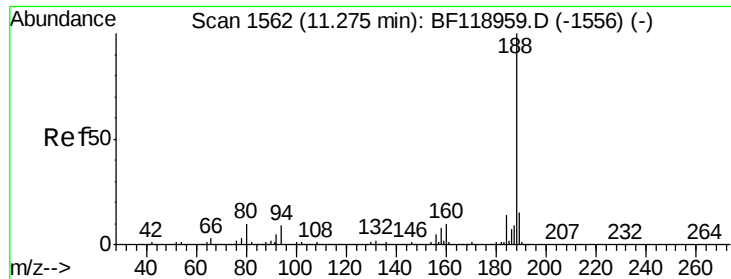
Ion 165.00 (164.70 to 165.70): E

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: BF119239.D

Acq: 6 Mar 2020 4:22

Instrument :

BNA_F

ClientSampleId :

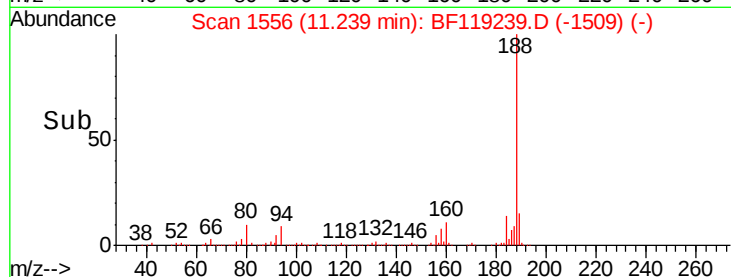
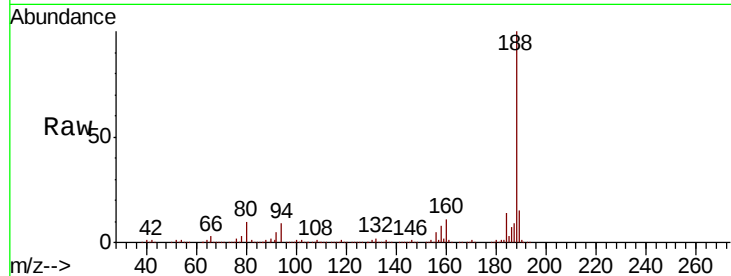
Tot Ion:188 Resp: 447621

Ion Ratio Lower Upper

188 100

94 8.5 7.1 10.7

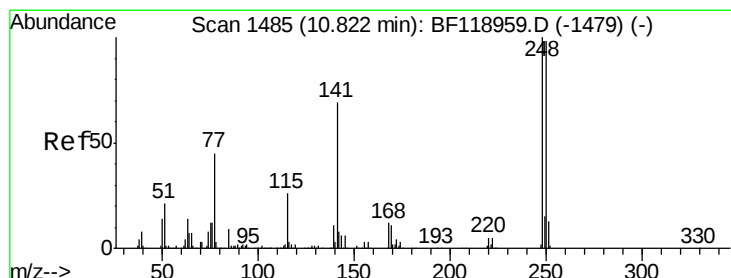
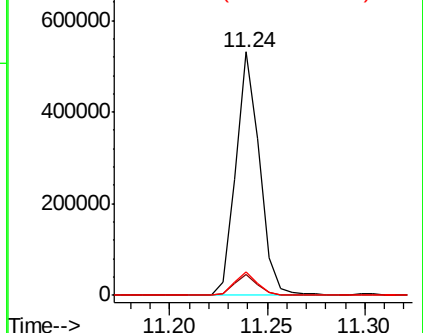
80 9.7 7.8 11.8



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: 3.095 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.26 min

Lab File: BF119239.D

Acq: 6 Mar 2020 4:22

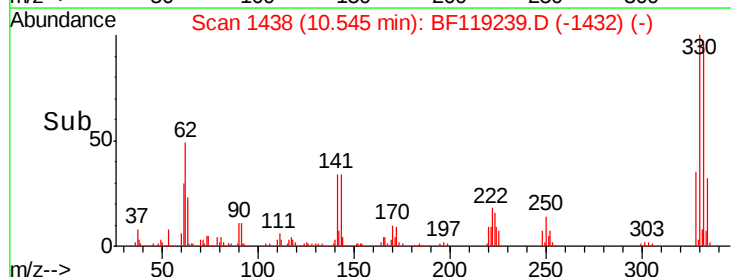
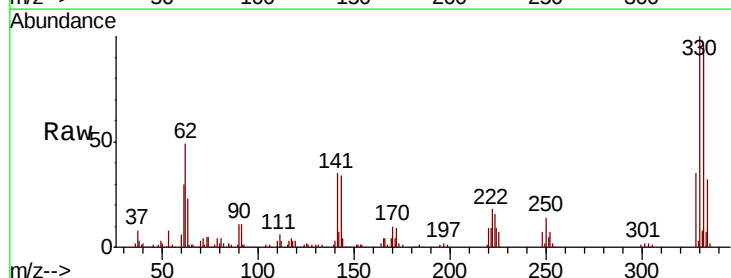
Tgt Ion:248 Resp: 18110

Ion Ratio Lower Upper

248 100

250 196.5 76.7 115.1#

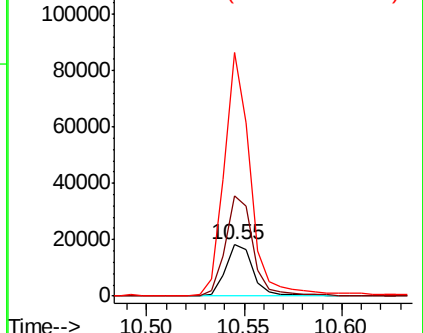
141 475.2 60.7 91.1#

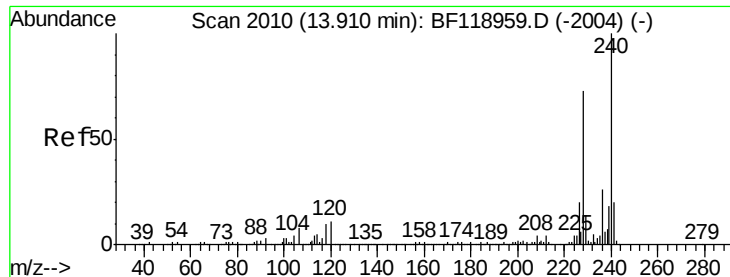


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

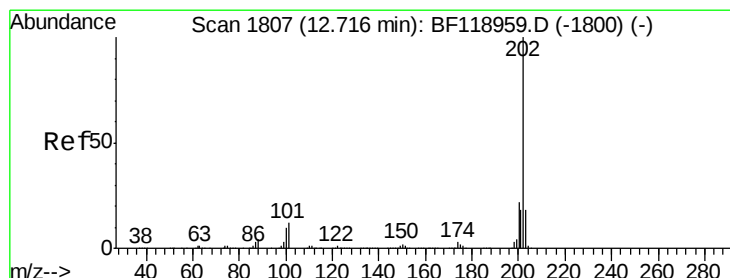
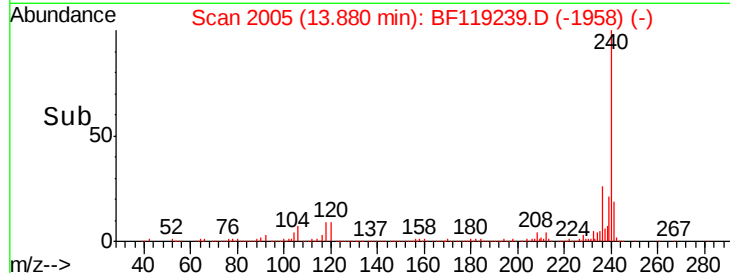
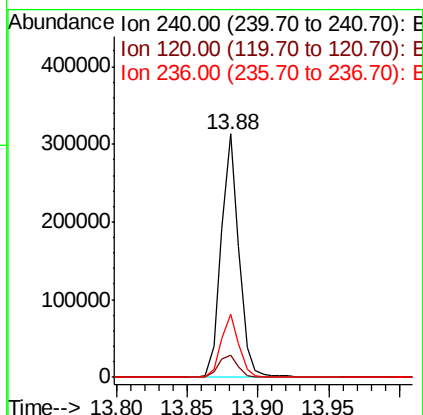
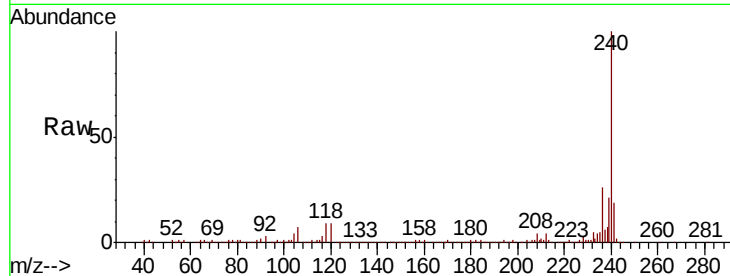




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.88 min Scan# 2005
Delta R.T. -0.02 min
Lab File: BF119239.D
Acq: 6 Mar 2020 4:22

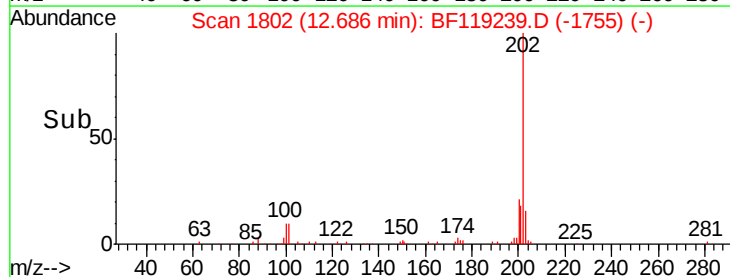
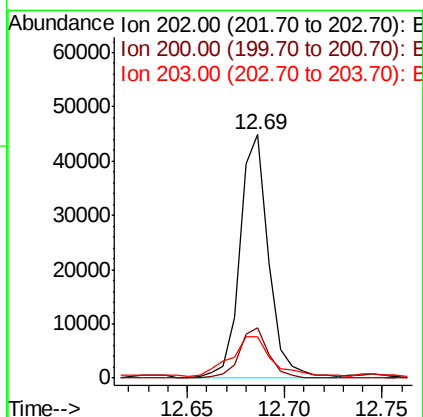
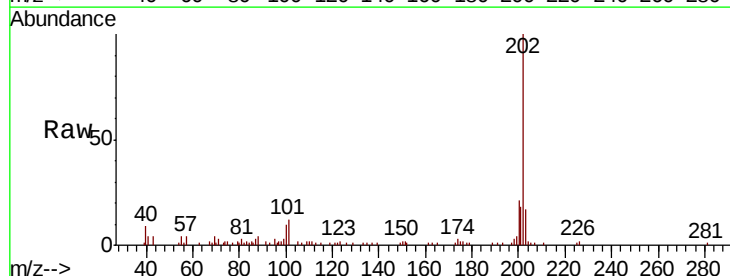
Instrument :
BNA_F
ClientSampleId :

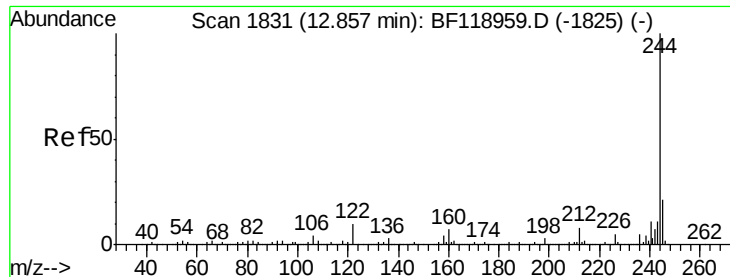
Tot Ion	Ratio	Lower	Upper
240	100		
120	9.3	8.4	12.6
236	26.1	21.0	31.4



#78
Pyrene
Concen: 2.100 ng
RT: 12.69 min Scan# 1802
Delta R.T. -0.02 min
Lab File: BF119239.D
Acq: 6 Mar 2020 4:22

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	18.0	27.0
203	16.8	14.6	22.0

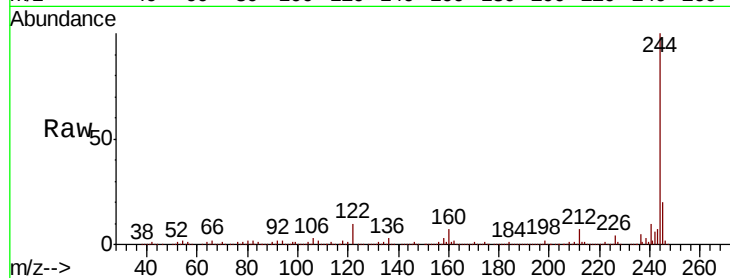




#79
 Terphenyl-d14
 Concen: 61.767 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.03 min
 Lab File: BF119239.D
 Acq: 6 Mar 2020 4:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.6	10.0
122	9.6	8.2	12.2

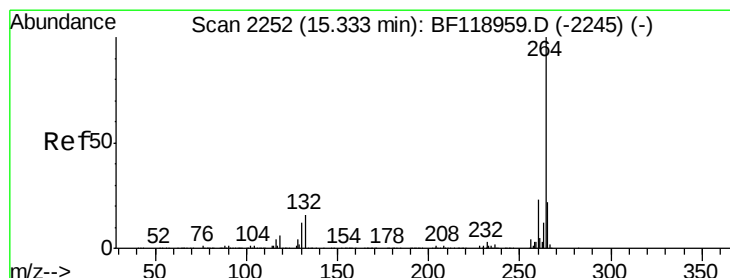
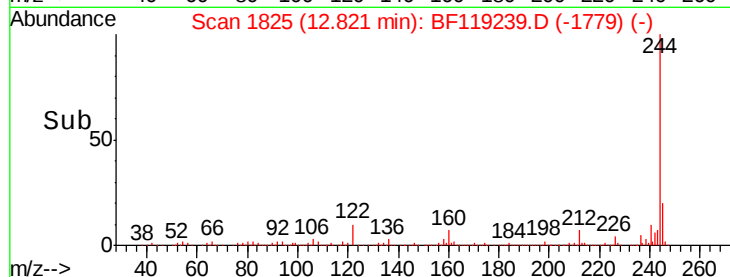
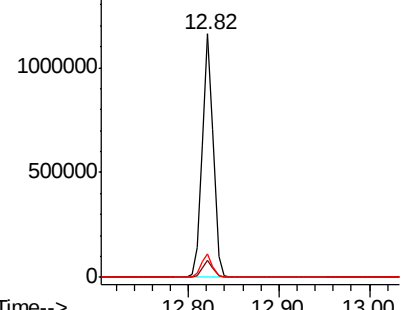


Abundance

Ion 244.00 (243.70 to 244.70): E

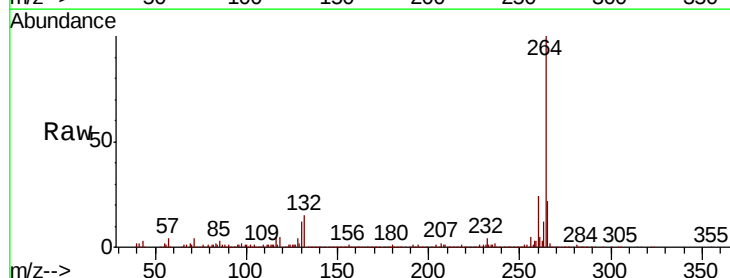
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.30 min Scan# 2247
 Delta R.T. -0.02 min
 Lab File: BF119239.D
 Acq: 6 Mar 2020 4:22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.4	29.2
265	21.7	17.7	26.5

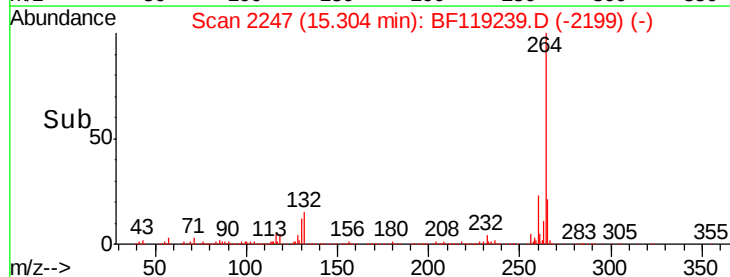
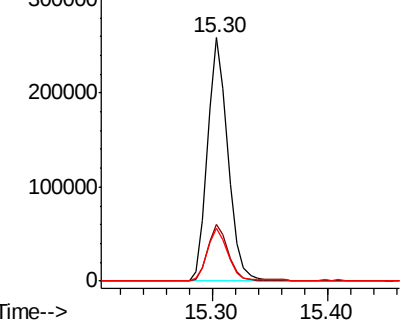


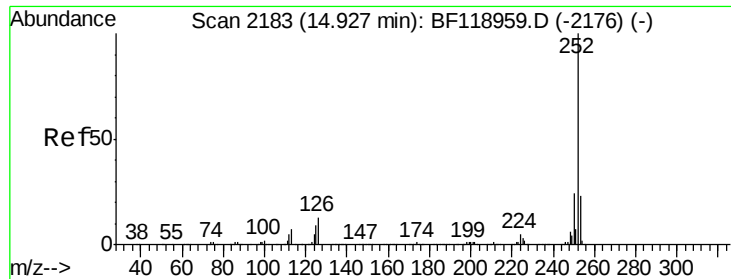
Abundance

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

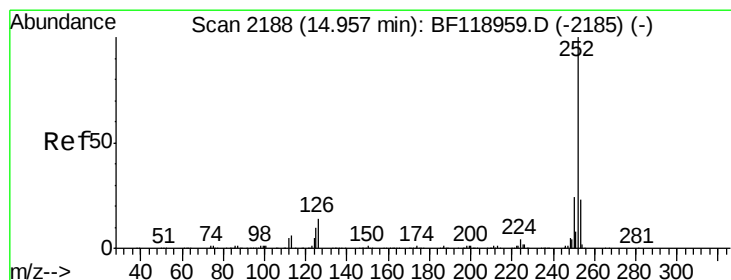
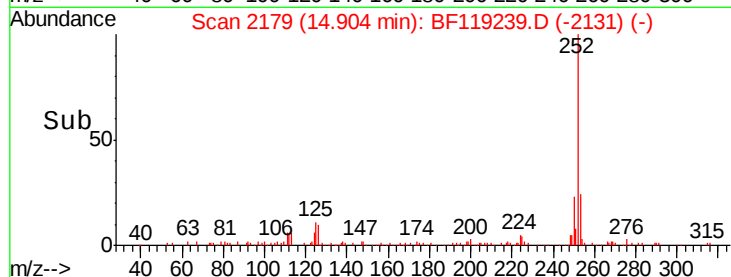
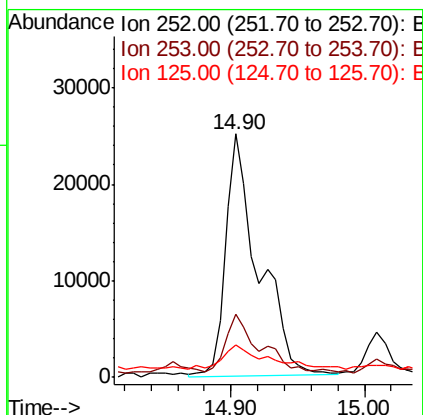
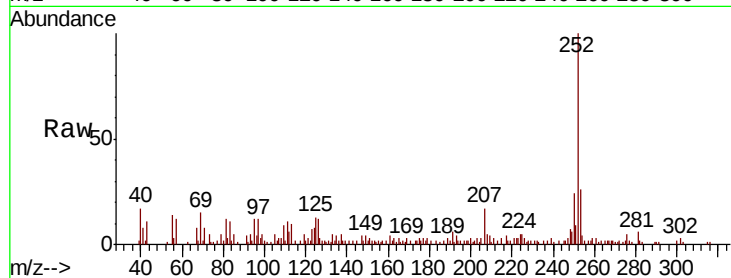




#88
Benzo(b)fluoranthene
Concen: 2.060 ng
RT: 14.90 min Scan# 2179
Delta R.T. -0.02 min
Lab File: BF119239.D
Acq: 6 Mar 2020 4:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 43119
Ion Ratio Lower Upper
252 100
253 26.1 18.1 27.1
125 13.4 7.4 11.0#



#89
Benzo(k)fluoranthene
Concen: 2.223 ng
RT: 14.90 min Scan# 2179
Delta R.T. -0.05 min
Lab File: BF119239.D
Acq: 6 Mar 2020 4:22

Tgt Ion:252 Resp: 43119
Ion Ratio Lower Upper
252 100
253 26.1 17.8 26.8
125 13.4 7.5 11.3#

