

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022120\
 Data File : BF119002.D
 Acq On : 21 Feb 2020 19:49
 Operator : CG/JU
 Sample : L1606-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 24 02:21:56 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	6.76	152	144023	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	501096	20.00	ng	-0.01
39) Acenaphthene-d10	9.79	164	229894	20.00	ng	0.00
64) Phenanthrene-d10	11.27	188	389823	20.00	ng	0.00
76) Chrysene-d12	13.90	240	360539	20.00	ng	0.00
87) Perylene-d12	15.33	264	329037	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	767605	89.07	ng	0.00
7) Phenol-d6	6.40	99	902163	86.07	ng	0.00
23) Nitrobenzene-d5	7.32	82	562861	59.31	ng	-0.01
42) 2,4,6-Tribromophenol	10.57	330	227636	75.69	ng	0.00
45) 2-Fluorobiphenyl	9.11	172	971667	62.26	ng	-0.01
79) Terphenyl-d14	12.85	244	1051169	50.20	ng	0.00

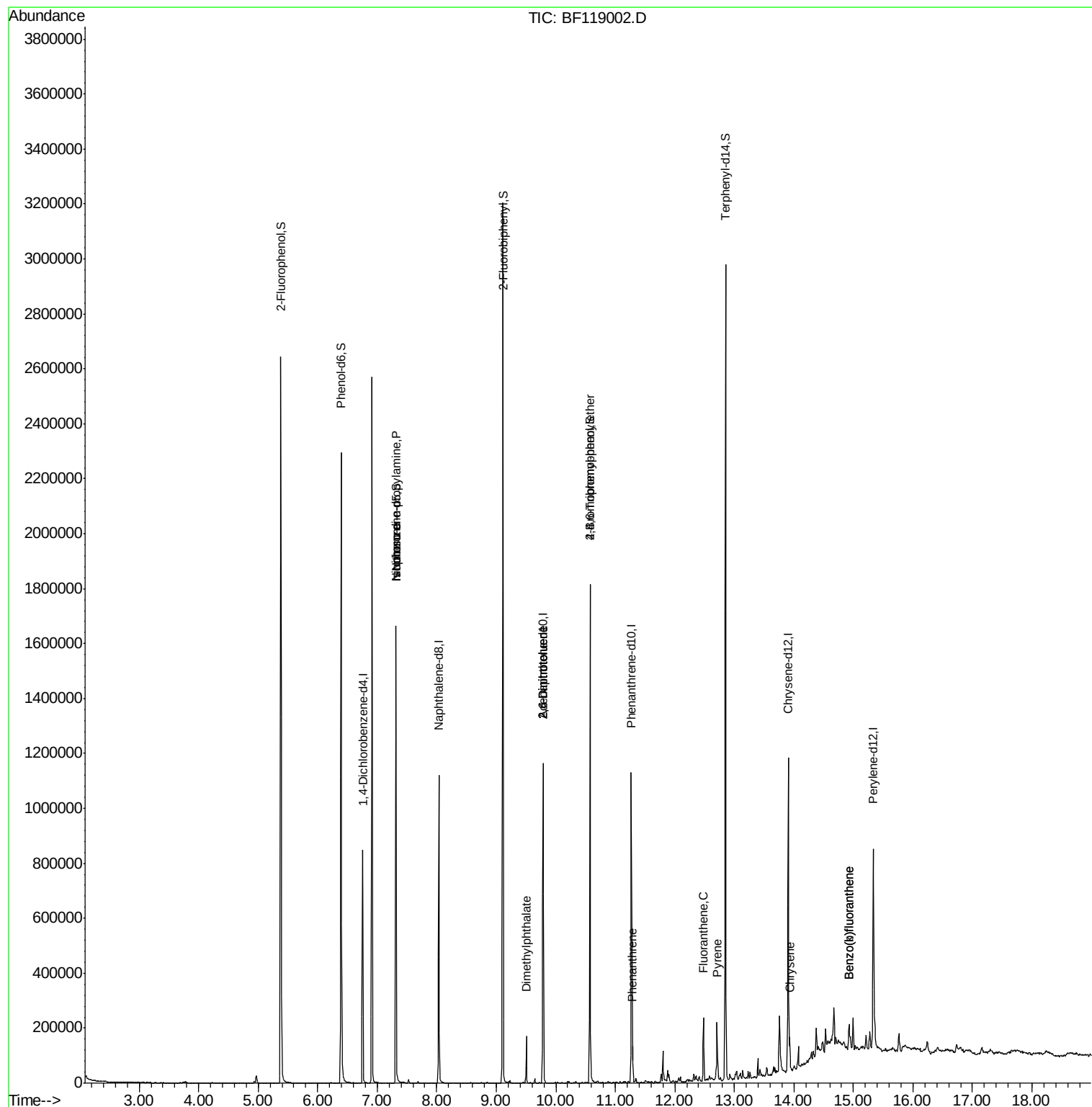
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.32	70	75780	12.408	ng	# 76
25) Isophorone	7.32	82	562930	34.154	ng	# 63
50) Dimethylphthalate	9.50	163	67186	3.822	ng	99
51) 2,6-Dinitrotoluene	9.79	165	29525	7.560	ng	# 30
57) 2,4-Dinitrotoluene	9.79	165	29525	5.832	ng	# 29
67) 4-Bromophenyl-phenylether	10.57	248	14224	2.791	ng	# 1
71) Phenanthrene	11.29	178	46047	2.166	ng	99
75) Fluoranthene	12.48	202	85519	3.790	ng	99
78) Pyrene	12.71	202	88623	3.061	ng	99
83) Chrysene	13.93	228	49559	2.025	ng	97
88) Benzo(b)fluoranthene	14.93	252	65691	3.029	ng	# 97
89) Benzo(k)fluoranthene	14.93	252	65691	3.268	ng	# 96

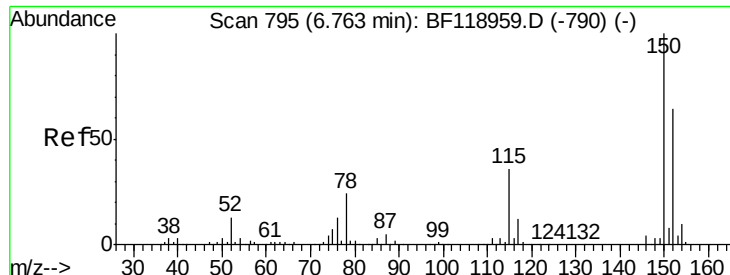
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022120\
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Misc :
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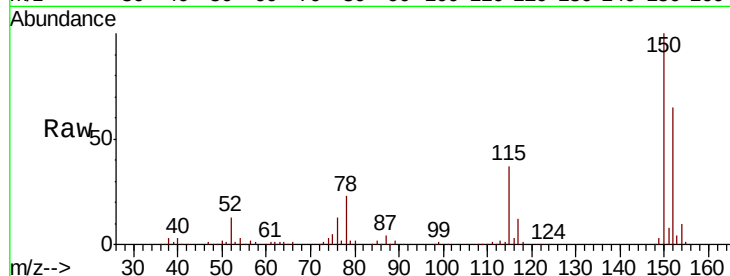


#1

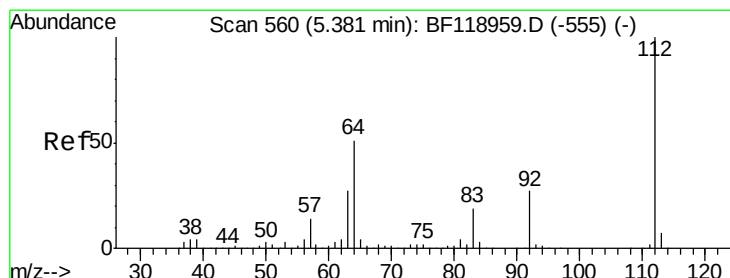
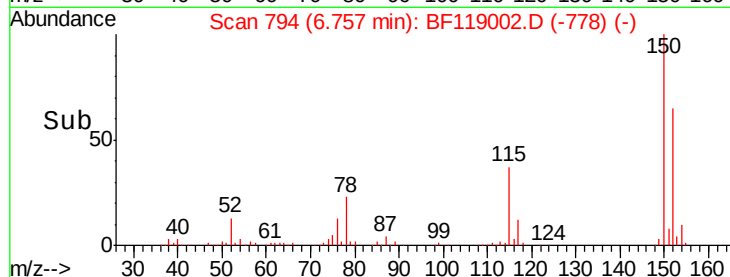
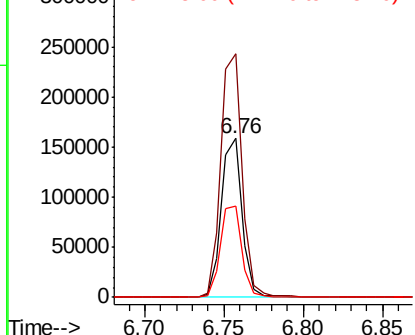
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF119002.D
Acq: 21 Feb 2020 19:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 144023
Ion Ratio Lower Upper
152 100
150 153.5 124.3 186.5
115 57.3 44.6 67.0



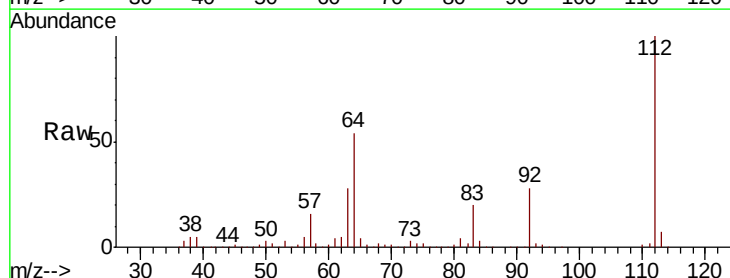
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



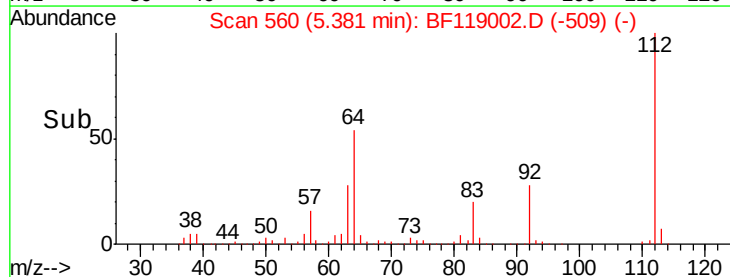
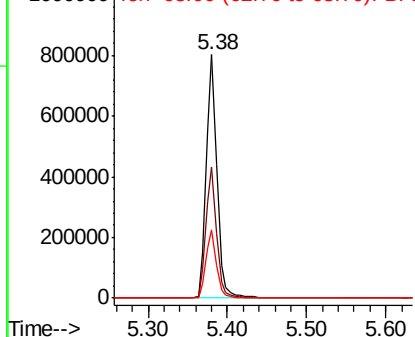
#5

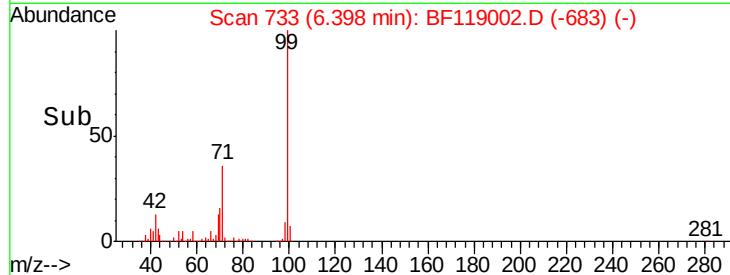
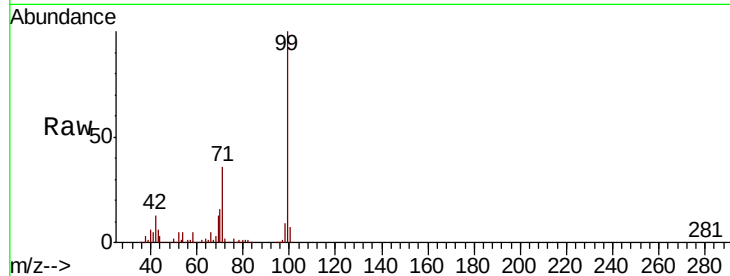
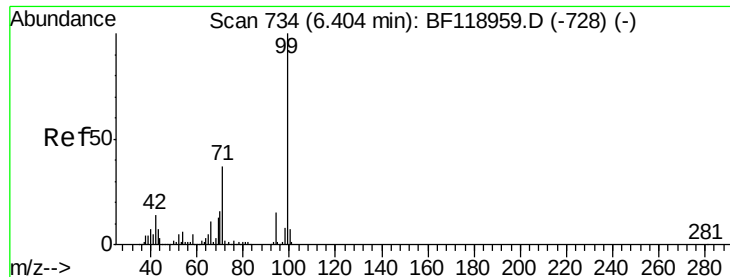
2-Fluorophenol
Concen: 89.069 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.00 min
Lab File: BF119002.D
Acq: 21 Feb 2020 19:49

Tgt Ion:112 Resp: 767605
Ion Ratio Lower Upper
112 100
64 53.6 40.4 60.6
63 28.0 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: 86.075 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF119002.D

Acq: 21 Feb 2020 19:49

Instrument :

BNA_F

ClientSampled :

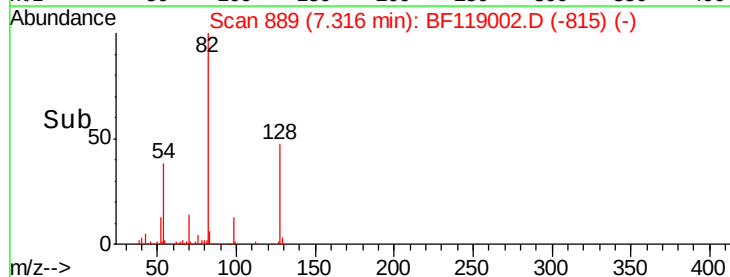
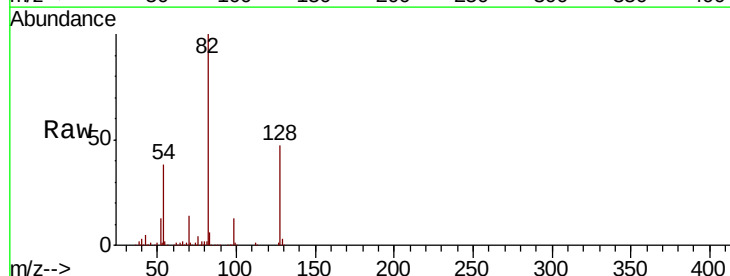
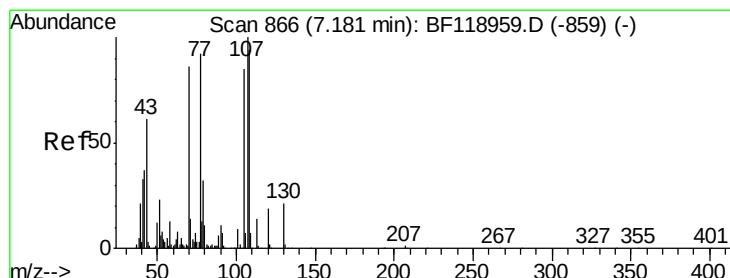
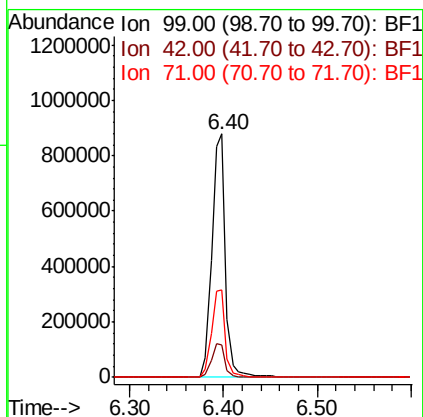
Tot Ion: 99 Resp: 902163

Ion Ratio Lower Upper

99 100

42 13.4 11.4 17.0

71 35.9 29.8 44.6



#19

n-Nitroso-di-n-propylamine

Concen: 12.408 ng

RT: 7.32 min Scan# 889

Delta R.T. 0.14 min

Lab File: BF119002.D

Acq: 21 Feb 2020 19:49

Tgt Ion: 70 Resp: 75780

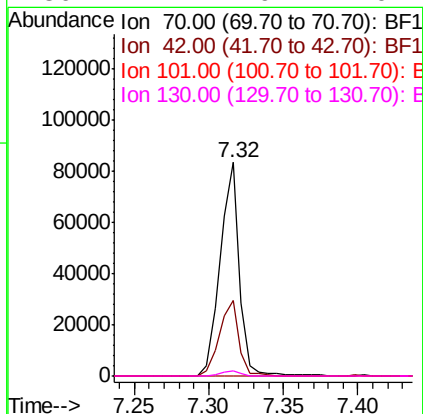
Ion Ratio Lower Upper

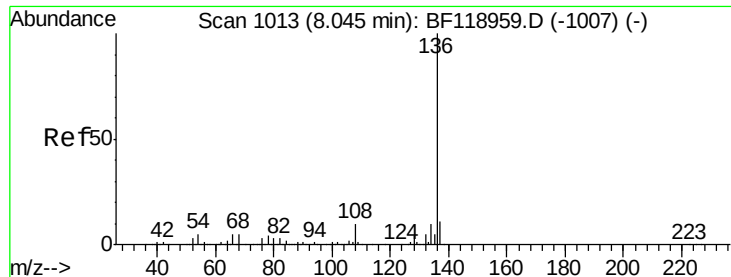
70 100

42 35.3 34.6 51.8

101 0.0 8.1 12.1#

130 2.2 19.4 29.2#

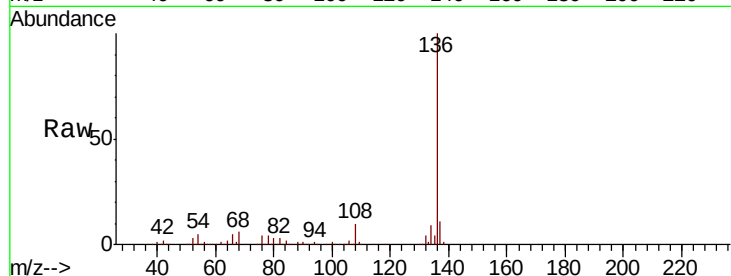




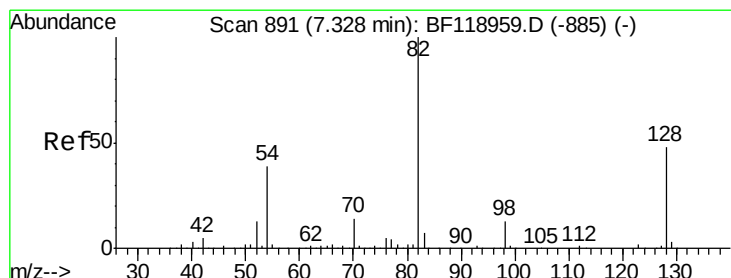
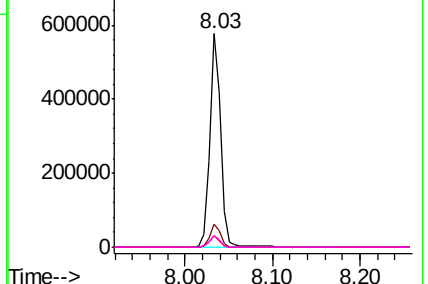
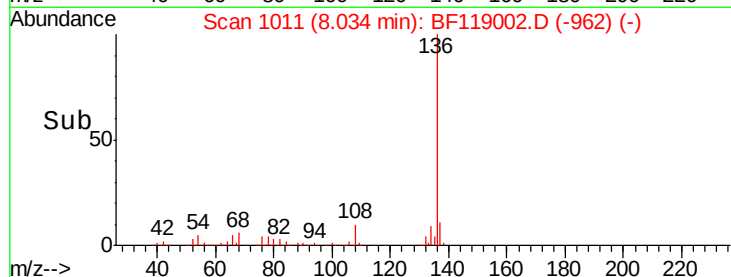
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF119002.D
Acq: 21 Feb 2020 19:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	501096
Ion	Ratio	Lower Upper
136	100	
137	11.0	8.9 13.3
54	5.3	3.8 5.6
68	5.6	4.2 6.2

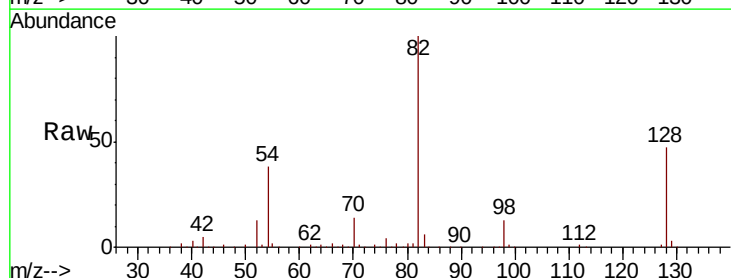


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

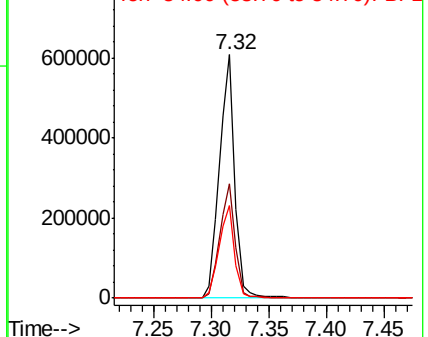
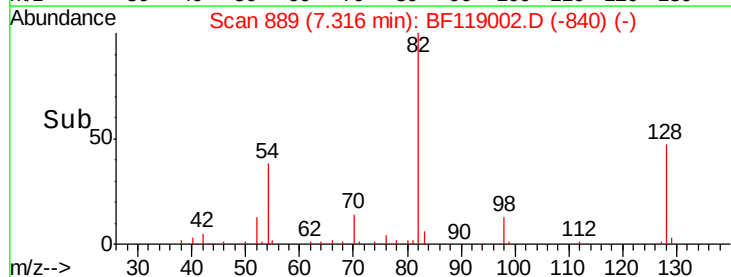


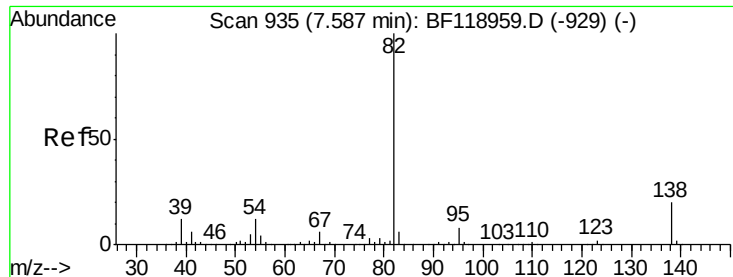
#23
Nitrobenzene-d5
Concen: 59.308 ng
RT: 7.32 min Scan# 889
Delta R.T. -0.01 min
Lab File: BF119002.D
Acq: 21 Feb 2020 19:49

Tgt Ion: 82	Resp:	562861
Ion	Ratio	Lower Upper
82	100	
128	46.8	38.2 57.2
54	37.9	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: 34.154 ng

RT: 7.32 min Scan# 889

Delta R.T. -0.27 min

Lab File: BF119002.D

Acq: 21 Feb 2020 19:49

Instrument :

BNA_F

ClientSampleId :

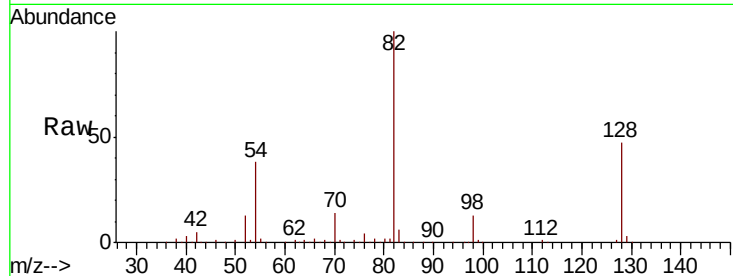
Tot Ion: 82 Resp: 562930

Ion Ratio Lower Upper

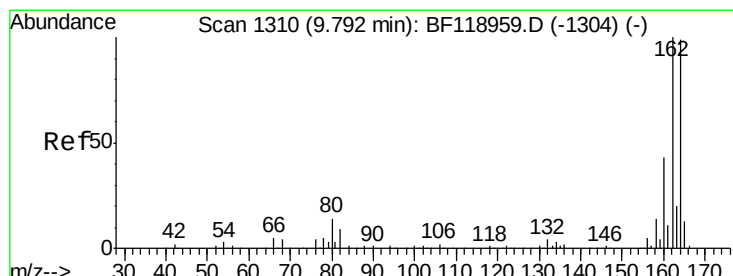
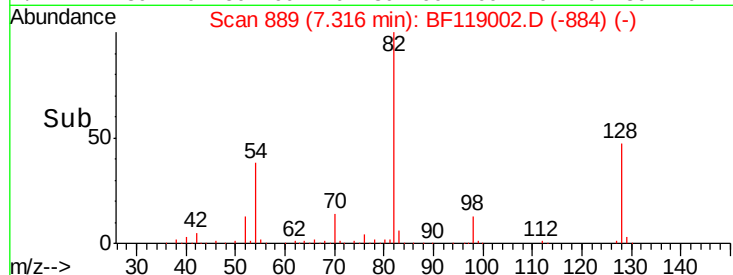
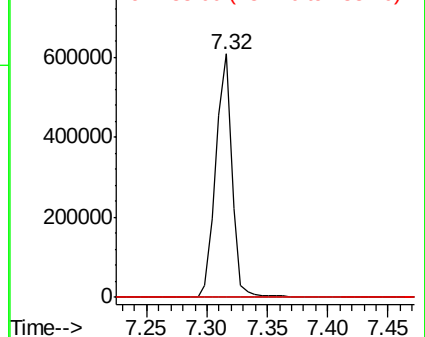
82 100

95 0.0 6.1 9.1#

138 0.0 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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF119002.D

Acq: 21 Feb 2020 19:49

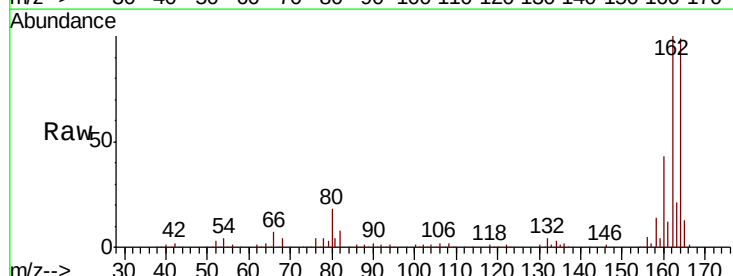
Tgt Ion: 164 Resp: 229894

Ion Ratio Lower Upper

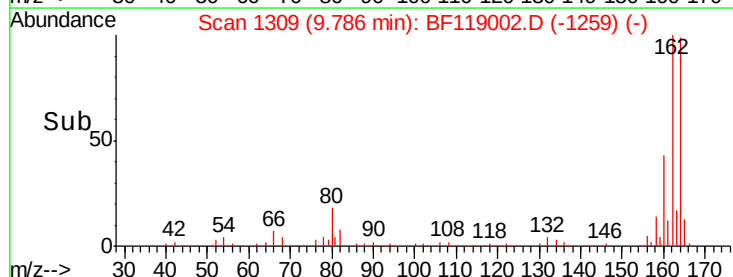
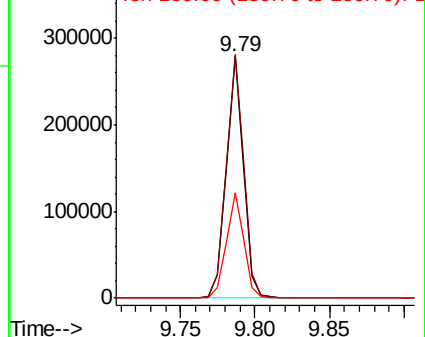
164 100

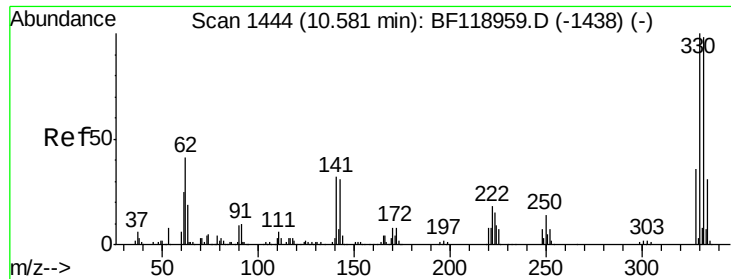
162 100.6 81.2 121.8

160 43.6 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

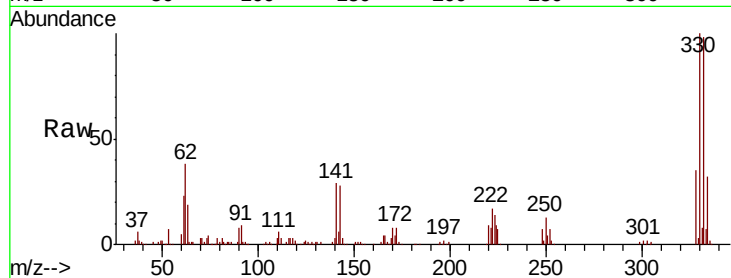




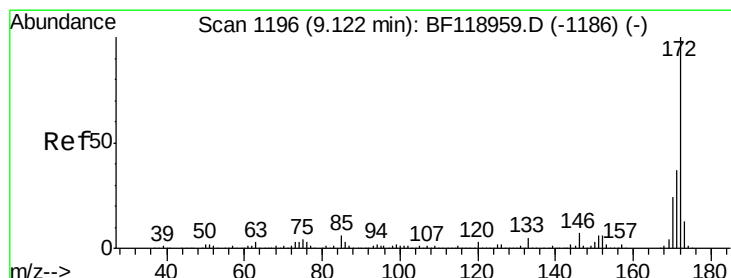
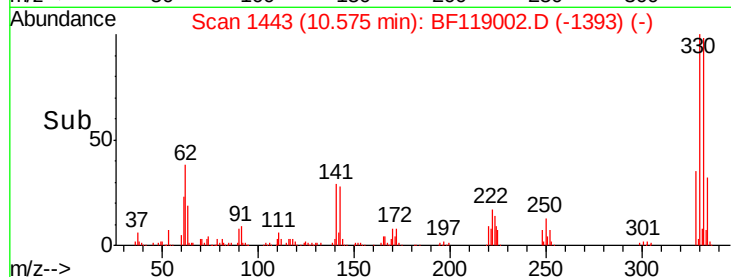
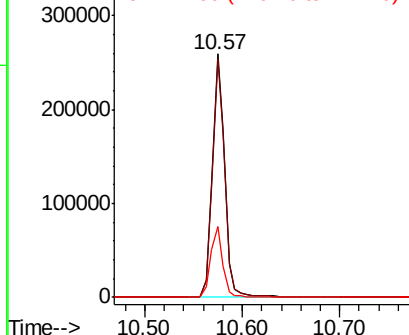
#42
 2,4,6-Tribromophenol
 Concen: 75.692 ng
 RT: 10.57 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: BF119002.D
 Acq: 21 Feb 2020 19:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.1	115.7
141	28.4	23.0	34.6

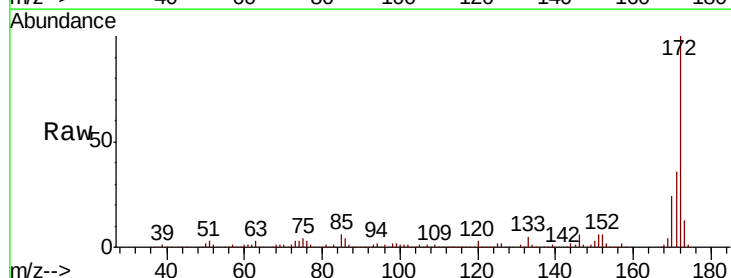


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

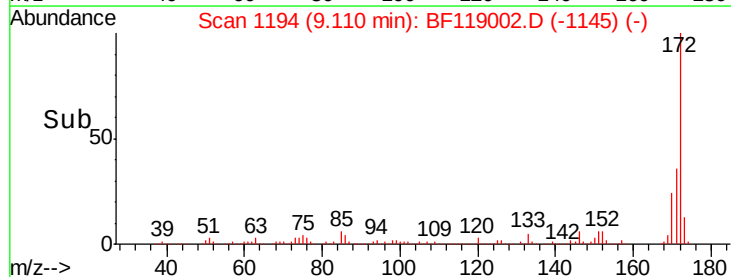
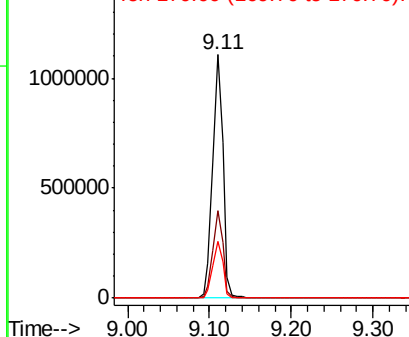


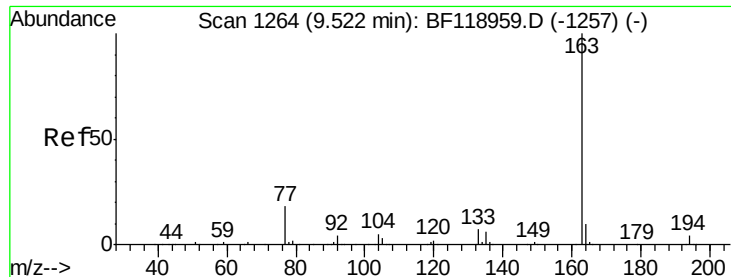
#45
 2-Fluorobiphenyl
 Concen: 62.265 ng
 RT: 9.11 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF119002.D
 Acq: 21 Feb 2020 19:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.4	44.2
170	23.5	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

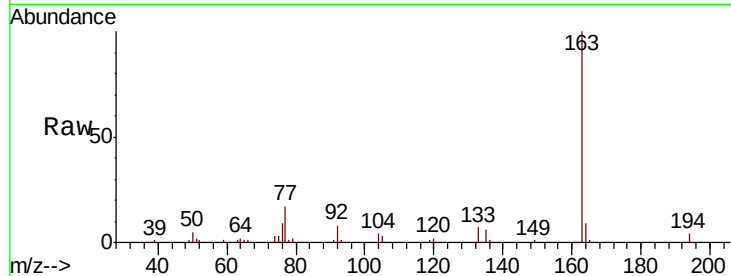




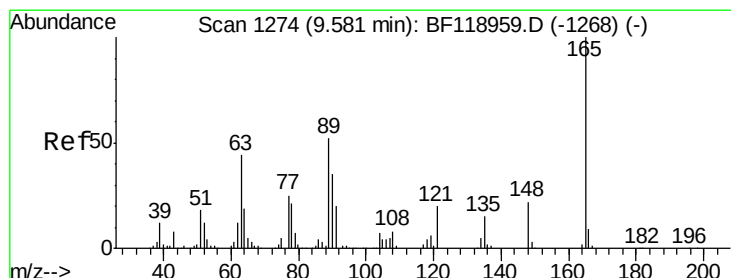
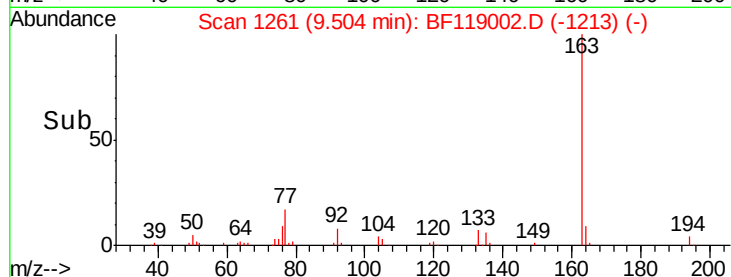
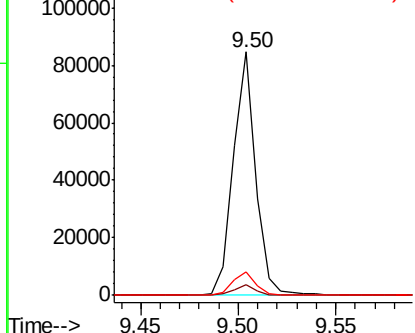
#50
Dimethylphthalate
Concen: 3.822 ng
RT: 9.50 min Scan# 1261
Delta R.T. -0.02 min
Lab File: BF119002.D
Acq: 21 Feb 2020 19:49

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 67186
Ion Ratio Lower Upper
163 100
194 4.4 3.4 5.2
164 9.5 8.2 12.2

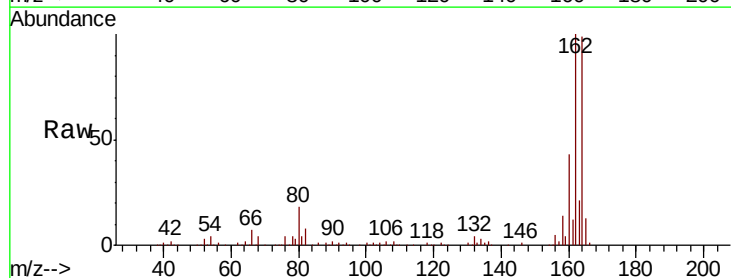


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

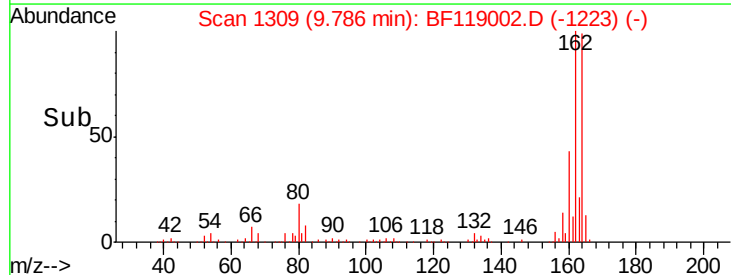
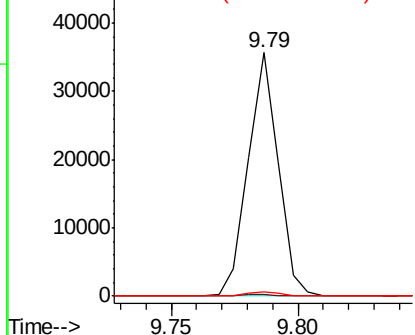


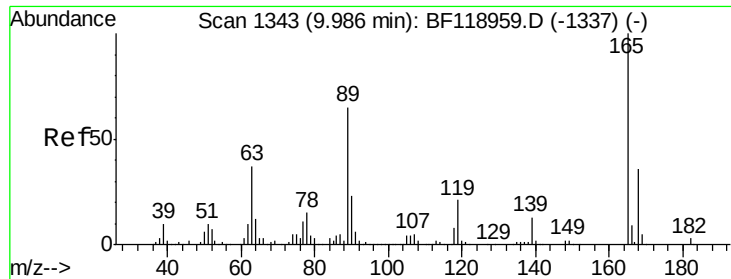
#51
2,6-Dinitrotoluene
Concen: 7.560 ng
RT: 9.79 min Scan# 1309
Delta R.T. 0.21 min
Lab File: BF119002.D
Acq: 21 Feb 2020 19:49

Tgt Ion:165 Resp: 29525
Ion Ratio Lower Upper
165 100
63 0.9 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

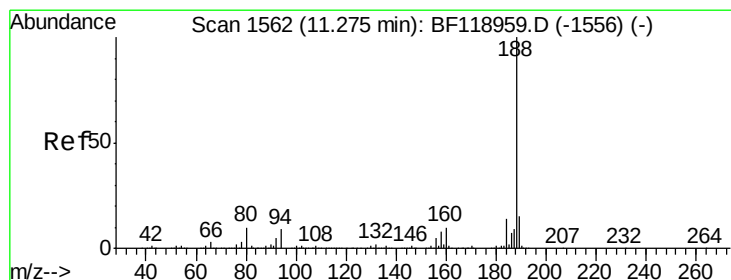
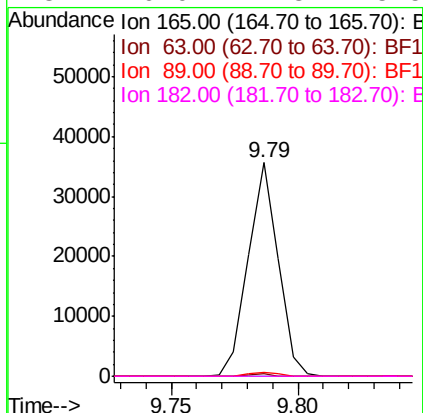
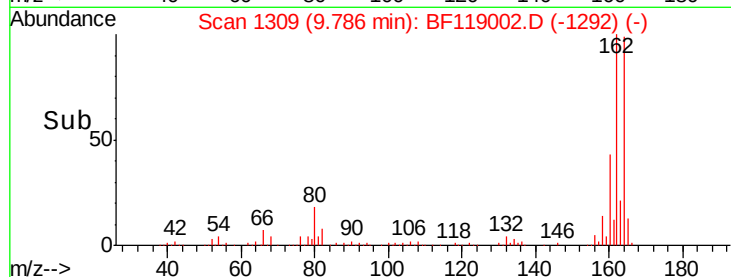
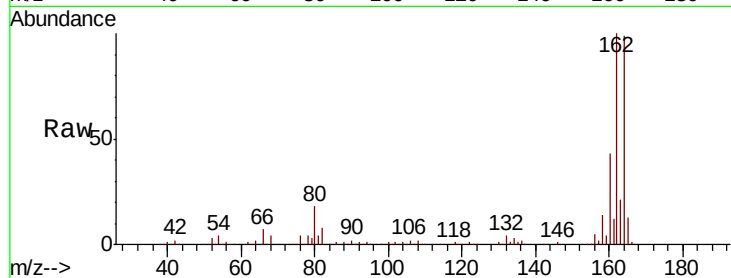




#57
 2,4-Dinitrotoluene
 Concen: 5.832 ng
 RT: 9.79 min Scan# 1309
 Delta R.T. -0.20 min
 Lab File: BF119002.D
 Acq: 21 Feb 2020 19:49

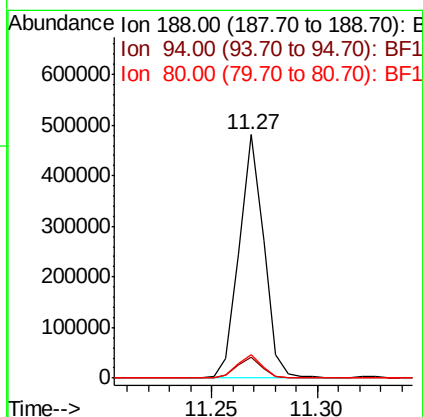
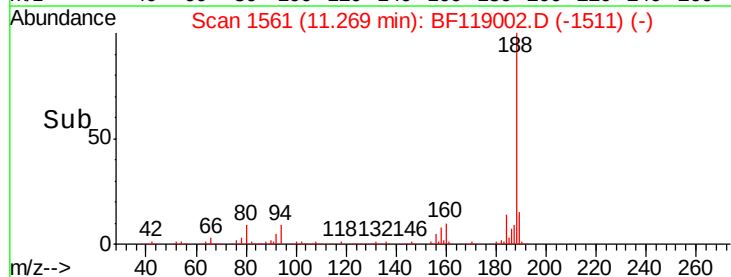
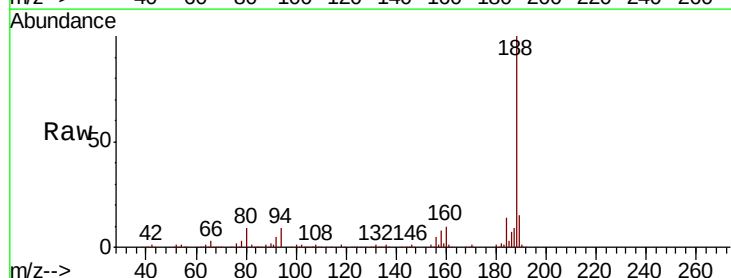
Instrument :
 BNA_F
 ClientSampled :

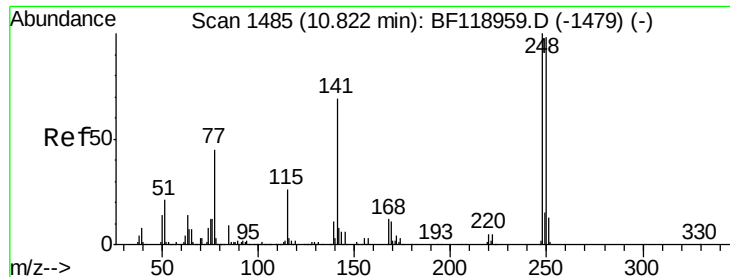
Tot Ion:165	Resp:	29525
Ion Ratio	Lower	Upper
165	100	
63	0.9	29.8 44.8#
89	1.5	51.9 77.9#
182	0.0	2.3 3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.27 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: BF119002.D
 Acq: 21 Feb 2020 19:49

Tgt Ion:188	Resp:	389823
Ion Ratio	Lower	Upper
188	100	
94	8.6	7.0 10.6
80	9.4	7.9 11.9

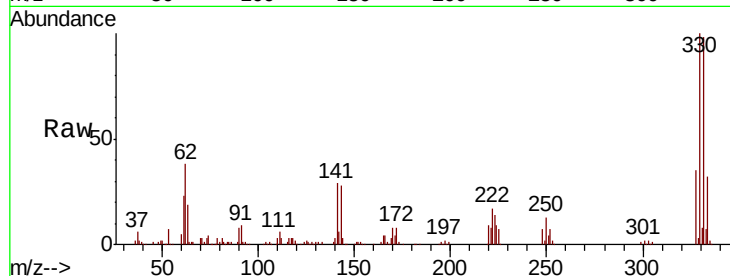




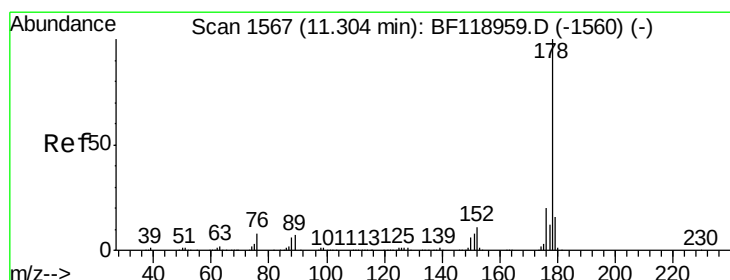
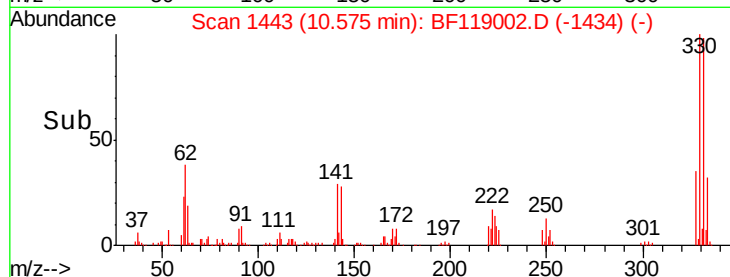
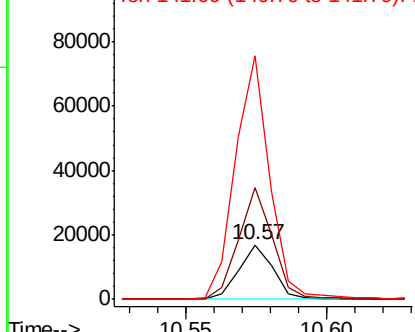
#67
 4-Bromophenyl-phenylether
 Concen: 2.791 ng
 RT: 10.57 min Scan# 1443
 Delta R.T. -0.25 min
 Lab File: BF119002.D
 Acq: 21 Feb 2020 19:49

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 14224
 Ion Ratio Lower Upper
 248 100
 250 206.8 78.8 118.2#
 141 448.1 55.3 82.9#

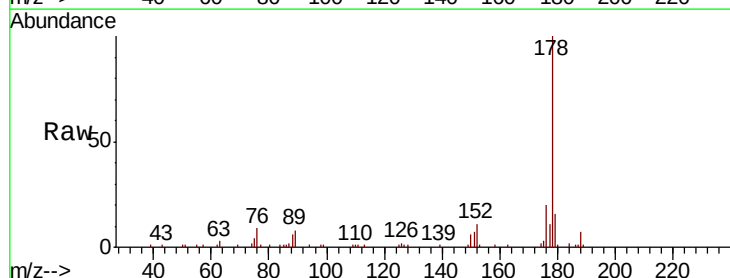


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

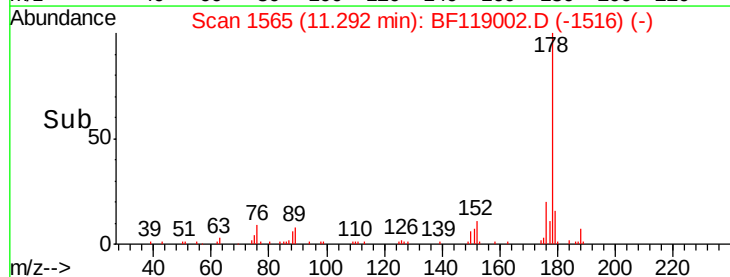
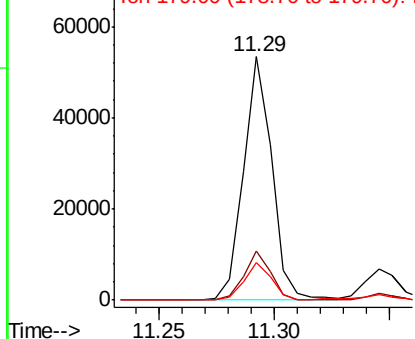


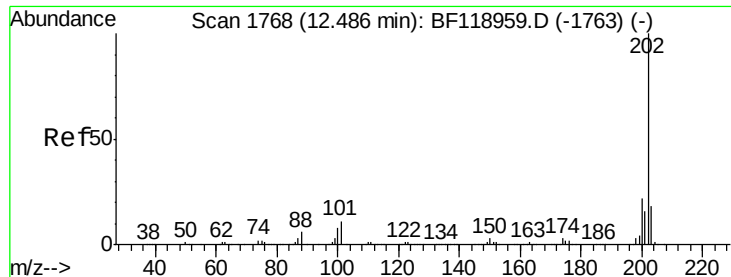
#71
 Phenanthrene
 Concen: 2.166 ng
 RT: 11.29 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: BF119002.D
 Acq: 21 Feb 2020 19:49

Tgt Ion:178 Resp: 46047
 Ion Ratio Lower Upper
 178 100
 176 20.4 15.6 23.4
 179 15.5 12.6 18.8



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 3.790 ng

RT: 12.48 min Scan# 1767

Delta R.T. -0.01 min

Lab File: BF119002.D

Acq: 21 Feb 2020 19:49

Instrument :

BNA_F

ClientSampled :

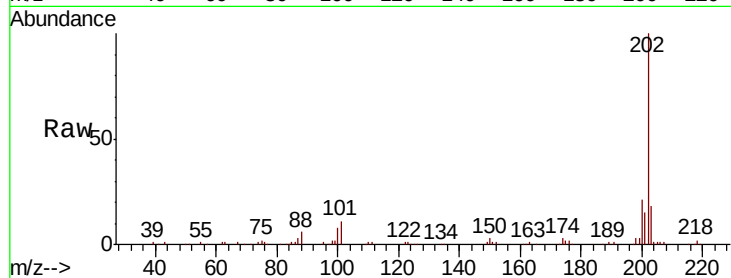
Tot Ion:202 Resp: 85519

Ion Ratio Lower Upper

202 100

101 11.0 0.0 31.1

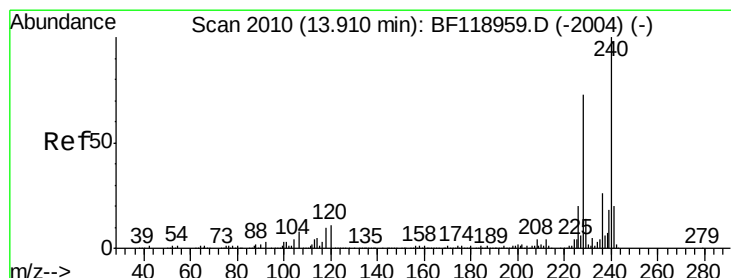
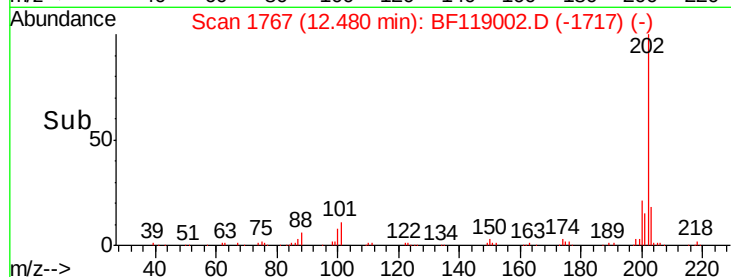
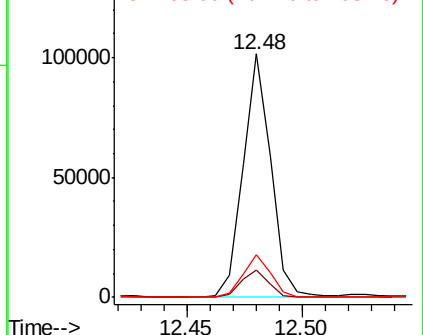
203 17.6 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.90 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF119002.D

Acq: 21 Feb 2020 19:49

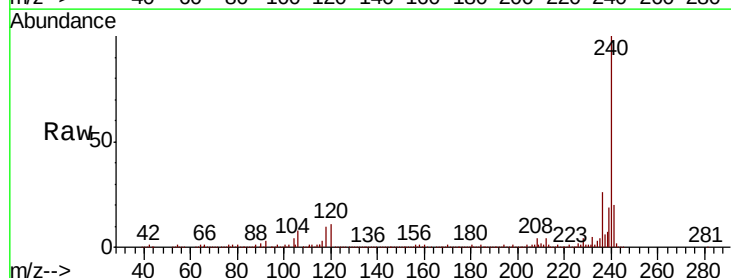
Tgt Ion:240 Resp: 360539

Ion Ratio Lower Upper

240 100

120 10.7 8.9 13.3

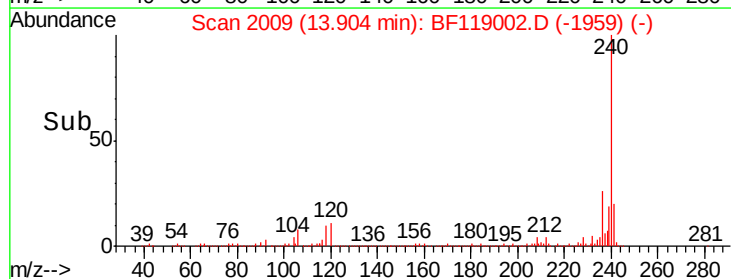
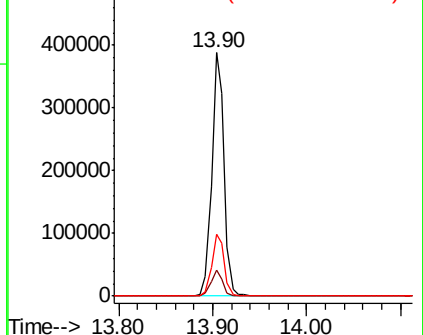
236 25.6 20.6 30.8

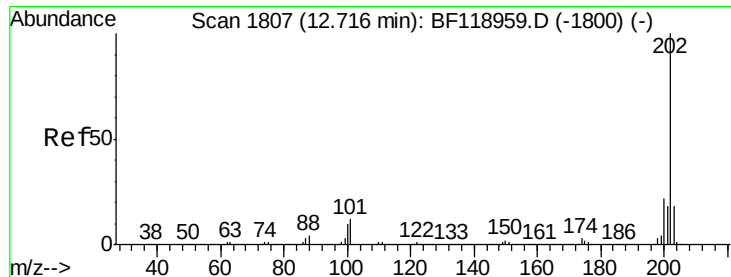


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 3.061 ng

RT: 12.71 min Scan# 1806

Delta R.T. -0.01 min

Lab File: BF119002.D

Acq: 21 Feb 2020 19:49

Instrument :

BNA_F

ClientSampleId :

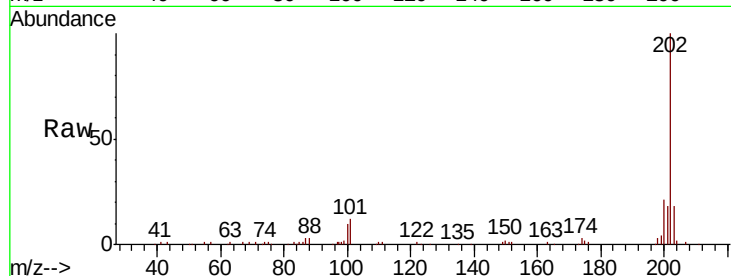
Tot Ion:202 Resp: 88623

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.0

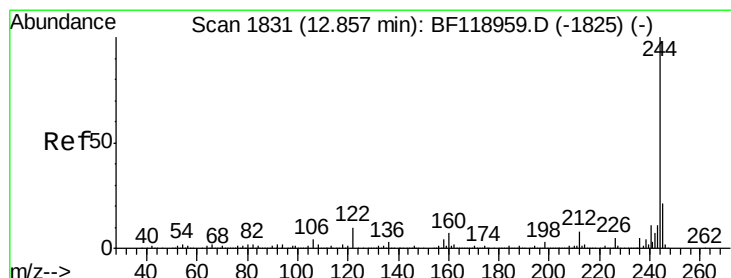
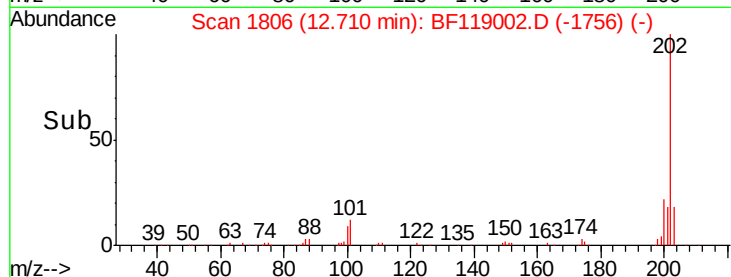
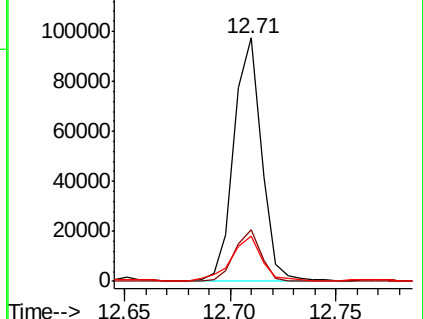
203 18.4 14.5 21.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 50.196 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF119002.D

Acq: 21 Feb 2020 19:49

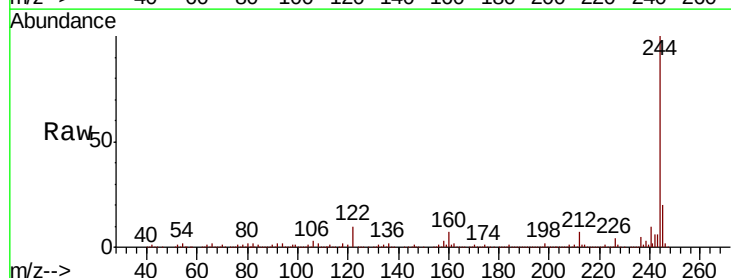
Tgt Ion:244 Resp: 1051169

Ion Ratio Lower Upper

244 100

212 6.9 6.3 9.5

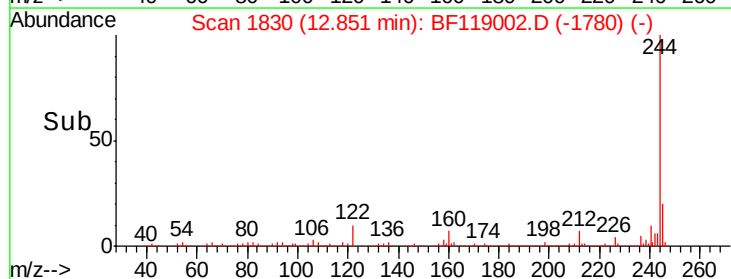
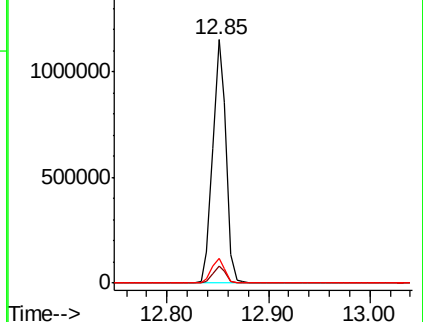
122 10.1 8.4 12.6

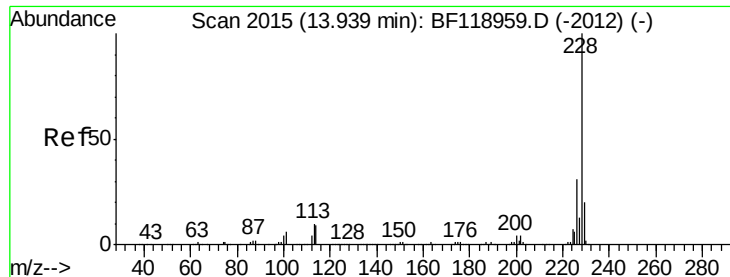


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

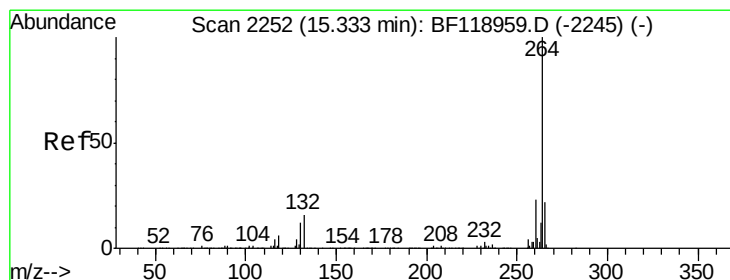
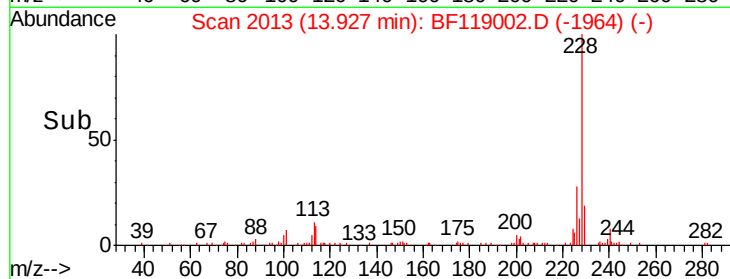
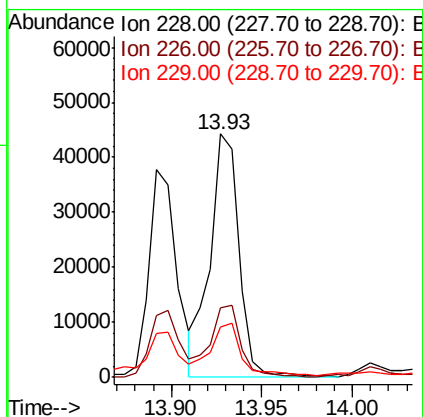
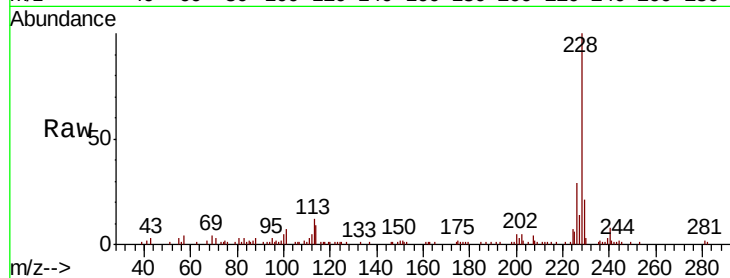




#83
Chrysene
Concen: 2.025 ng
RT: 13.93 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF119002.D
Acq: 21 Feb 2020 19:49

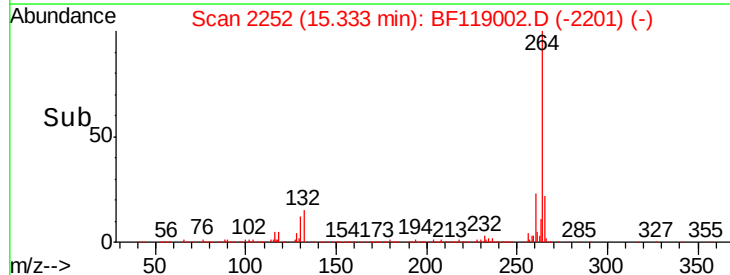
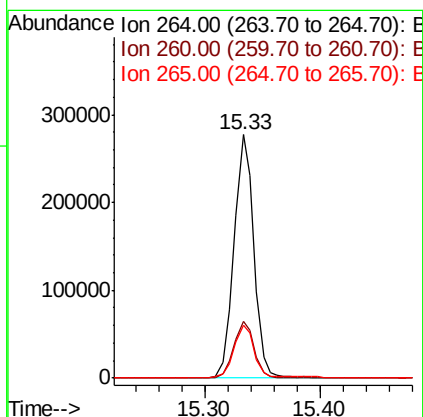
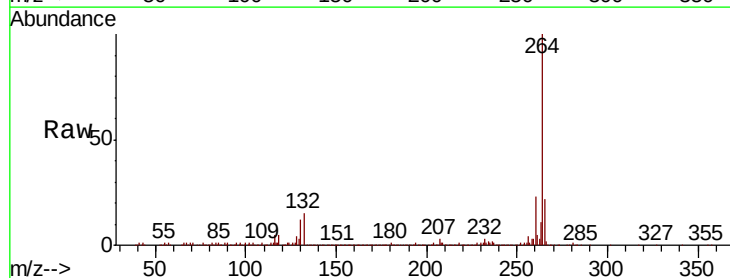
Instrument :
BNA_F
ClientSampled :

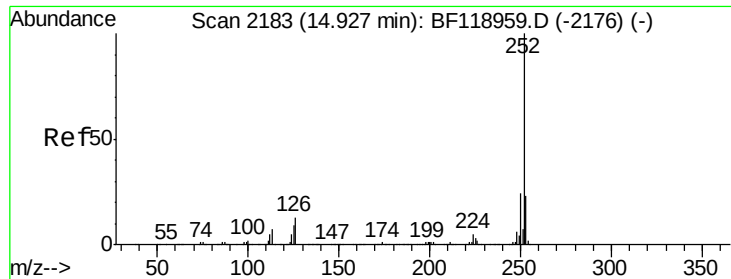
Tot Ion:228 Resp: 49559
Ion Ratio Lower Upper
228 100
226 28.7 24.6 37.0
229 20.9 16.2 24.2



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. -0.00 min
Lab File: BF119002.D
Acq: 21 Feb 2020 19:49

Tgt Ion:264 Resp: 329037
Ion Ratio Lower Upper
264 100
260 23.3 18.6 28.0
265 21.9 17.3 25.9

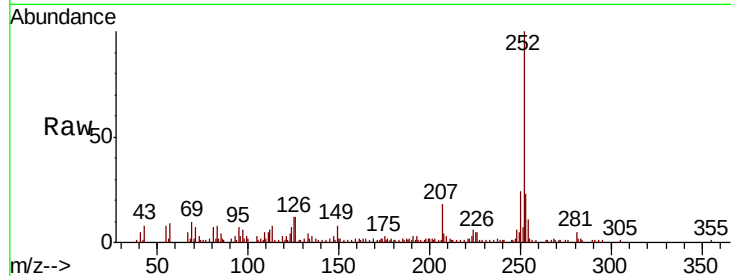




#88
Benzo(b)fluoranthene
Concen: 3.029 ng
RT: 14.93 min Scan# 2183
Delta R.T. -0.00 min
Lab File: BF119002.D
Acq: 21 Feb 2020 19:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.2	27.2
125	11.7	7.4	11.0#

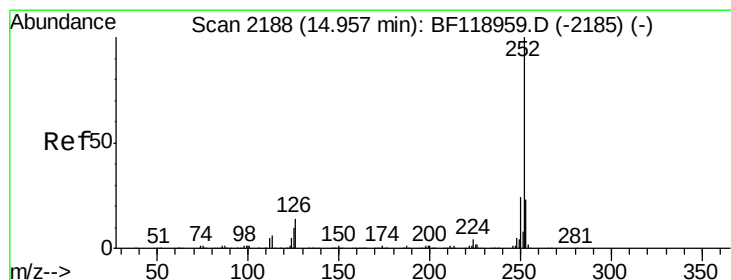
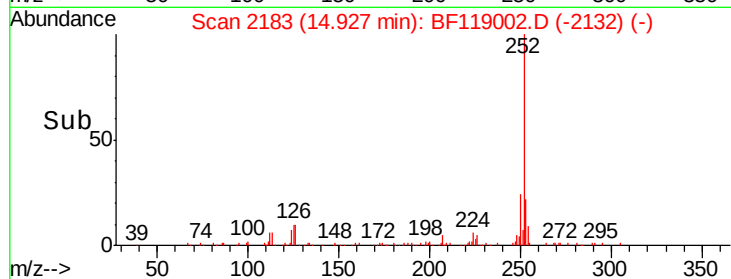
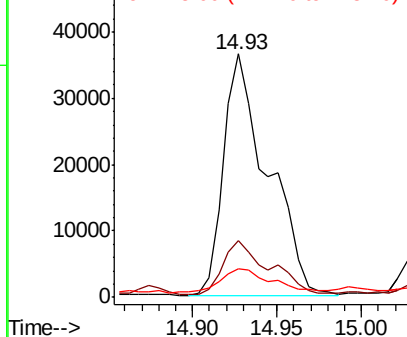


Abundance

Ion 252.00 (251.70 to 252.70): E

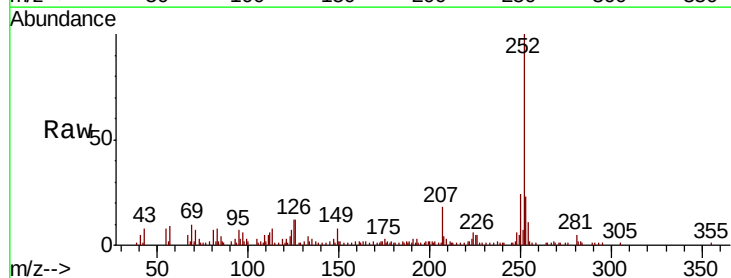
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 3.268 ng
RT: 14.93 min Scan# 2183
Delta R.T. -0.03 min
Lab File: BF119002.D
Acq: 21 Feb 2020 19:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	11.7	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

