

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022920\
 Data File : BF119161.D
 Acq On : 29 Feb 2020 16:31
 Operator : CG/JU
 Sample : L1697-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 02 05:45:49 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	6.73	152	134967	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	495024	20.00	ng	-0.02
39) Acenaphthene-d10	9.76	164	248159	20.00	ng	-0.02
64) Phenanthrene-d10	11.24	188	398152	20.00	ng	-0.02
76) Chrysene-d12	13.89	240	333981	20.00	ng	-0.02
87) Perylene-d12	15.31	264	377472	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	721946	89.39	ng	0.00
7) Phenol-d6	6.38	99	853493	86.90	ng	-0.02
23) Nitrobenzene-d5	7.30	82	560817	59.82	ng	-0.02
42) 2,4,6-Tribromophenol	10.56	330	250724	77.23	ng	-0.02
45) 2-Fluorobiphenyl	9.09	172	1065641	63.26	ng	-0.02
79) Terphenyl-d14	12.83	244	1057067	54.49	ng	-0.02

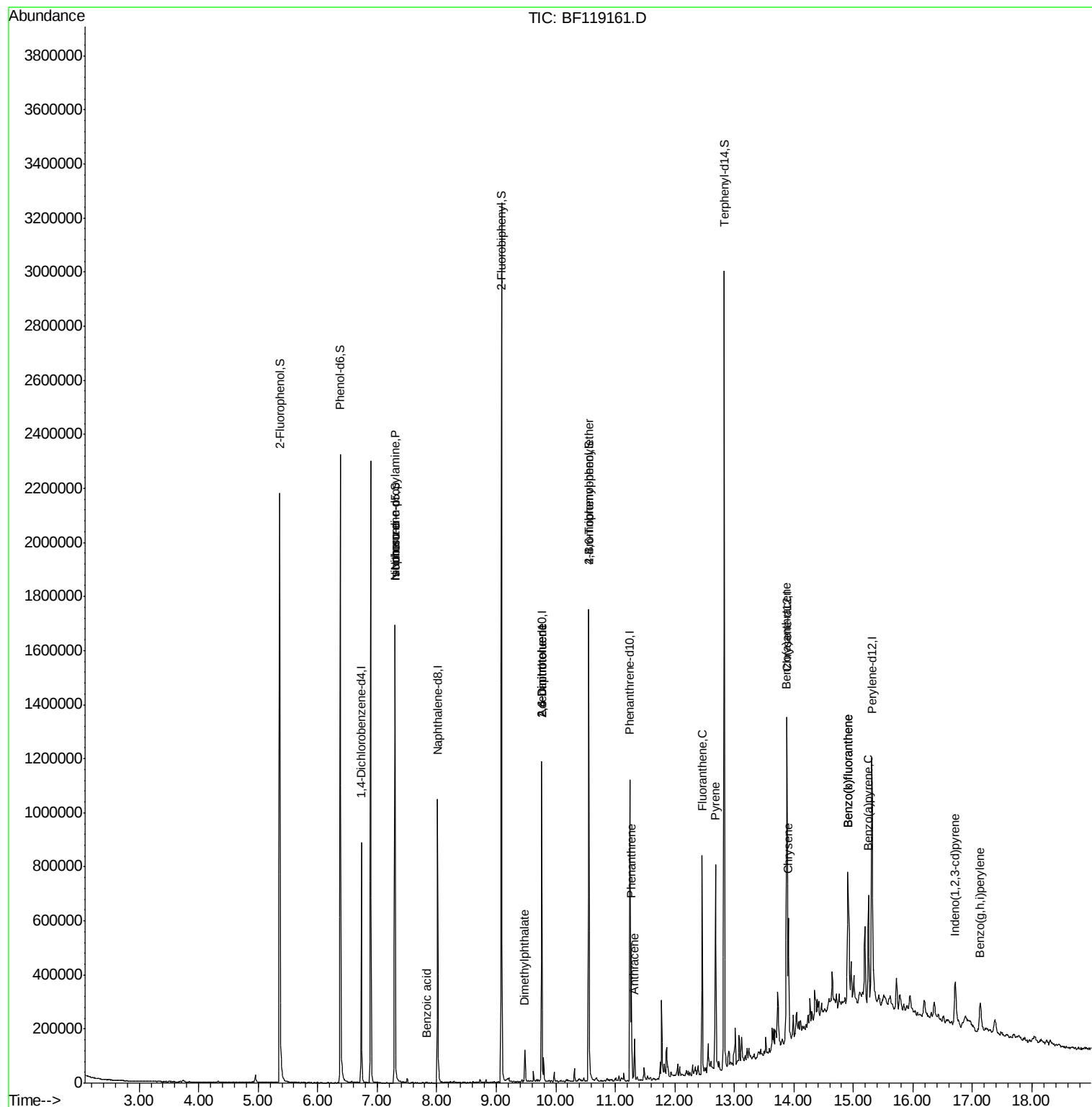
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.30	70	77525	13.545	ng	# 73
25) Isophorone	7.30	82	560812	34.443	ng	# 63
32) Benzoic acid	7.83	122	510	6.770	ng	# 34
50) Dimethylphthalate	9.49	163	52156	2.748	ng	99
51) 2,6-Dinitrotoluene	9.76	165	32373	7.679	ng	# 33
57) 2,4-Dinitrotoluene	9.76	165	32373	5.924	ng	# 21
67) 4-Bromophenyl-phenylether	10.56	248	16429	3.157	ng	# 1
71) Phenanthrene	11.27	178	189119	8.710	ng	98
72) Anthracene	11.32	178	59818	2.757	ng	96
75) Fluoranthene	12.46	202	346416	15.030	ng	97
78) Pyrene	12.69	202	304827	11.366	ng	99
81) Benzo(a)anthracene	13.87	228	221726	9.743	ng	99
83) Chrysene	13.91	228	178087	7.854	ng	98
86) Indeno(1,2,3-cd)pyrene	16.71	276	102403	4.664	ng	95
88) Benzo(b)fluoranthene	14.90	252	367343	14.764	ng	98
89) Benzo(k)fluoranthene	14.90	252	367343	15.932	ng	98
90) Benzo(a)pyrene	15.25	252	188483	8.394	ng	98
92) Benzo(g,h,i)perylene	17.13	276	90267	4.624	ng	96

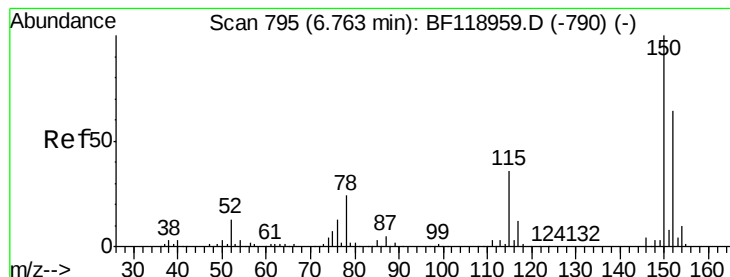
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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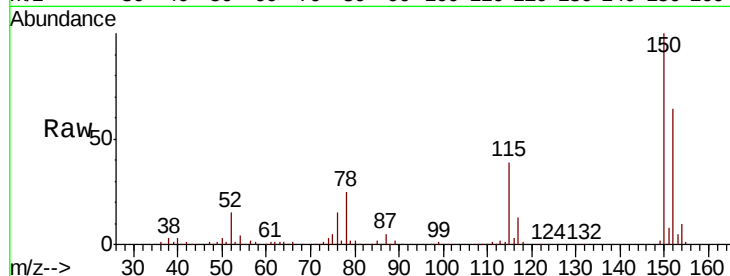


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.01 min
Lab File: BF119161.D
Acq: 29 Feb 2020 16:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	123.0	184.6
115	60.6	49.5	74.3

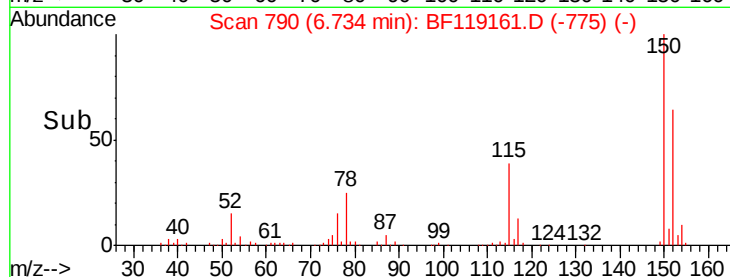
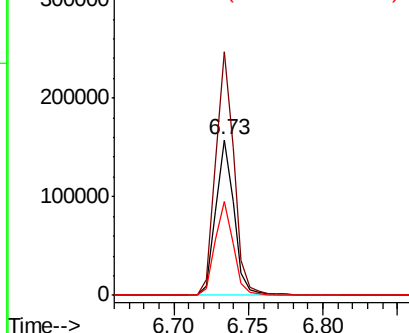


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

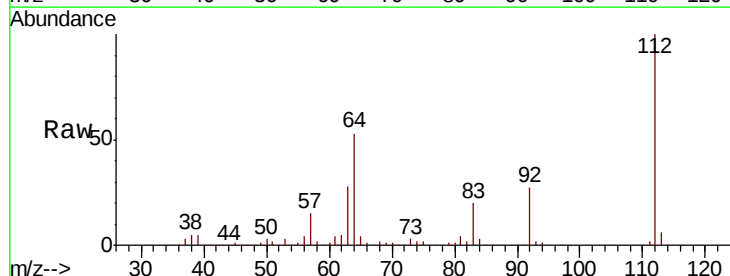
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 89.392 ng
RT: 5.36 min Scan# 557
Delta R.T. -0.01 min
Lab File: BF119161.D
Acq: 29 Feb 2020 16:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.6	45.0	67.4
63	28.4	24.2	36.4

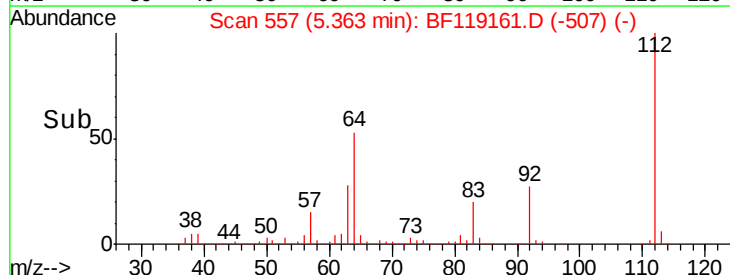
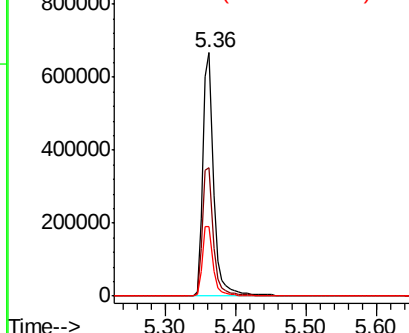


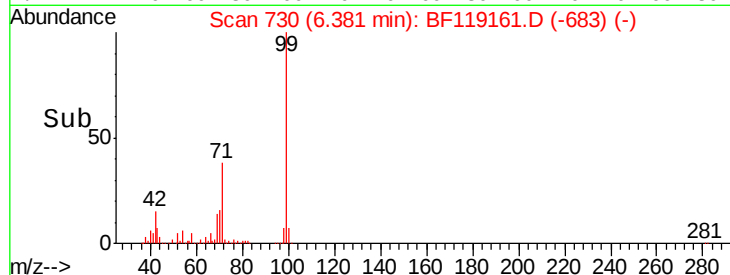
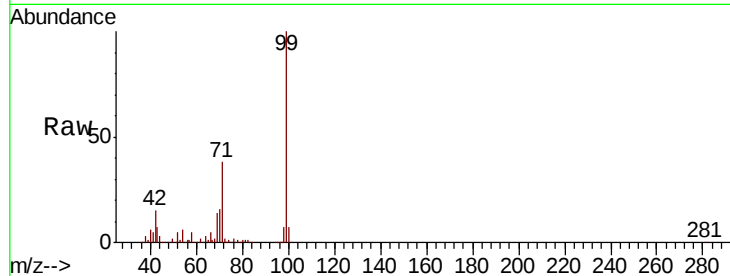
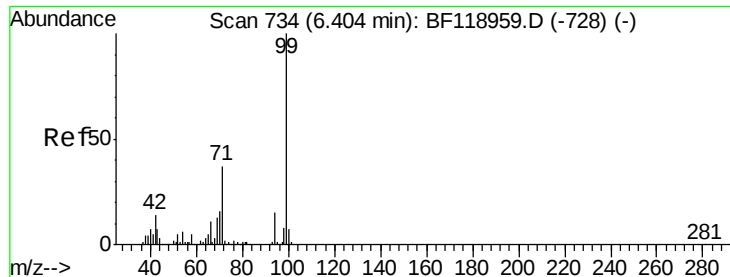
Abundance

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: 86.895 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.02 min

Lab File: BF119161.D

Acq: 29 Feb 2020 16:31

Instrument :

BNA_F

ClientSampleId :

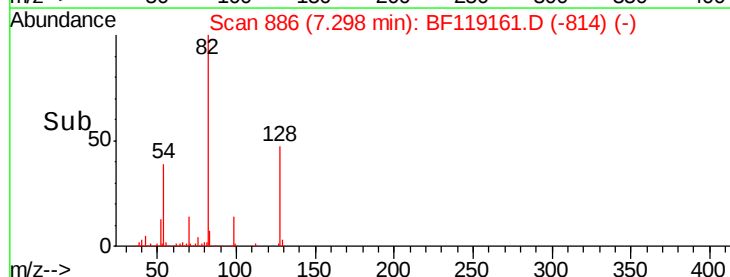
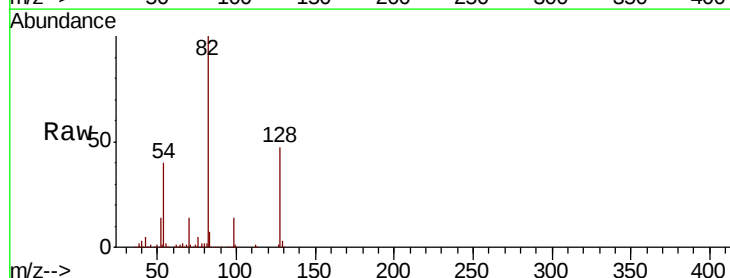
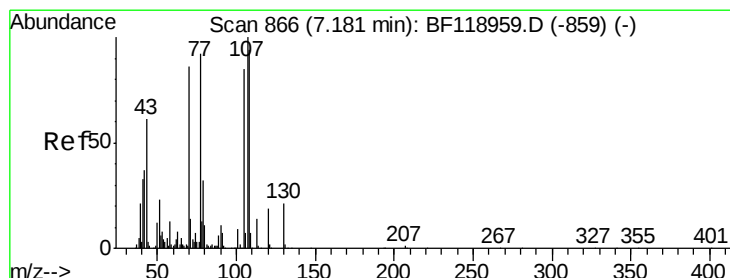
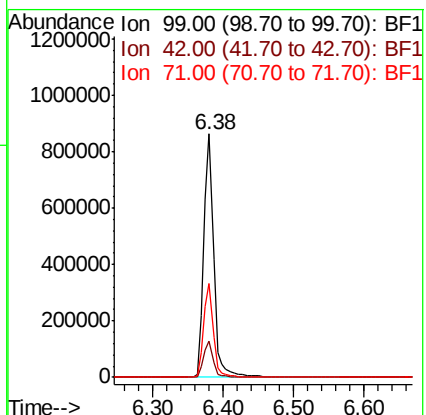
Tot Ion: 99 Resp: 853493

Ion Ratio Lower Upper

99 100

42 14.8 12.6 18.8

71 38.3 31.0 46.4



#19

n-Nitroso-di-n-propylamine

Concen: 13.545 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.12 min

Lab File: BF119161.D

Acq: 29 Feb 2020 16:31

Tgt Ion: 70 Resp: 77525

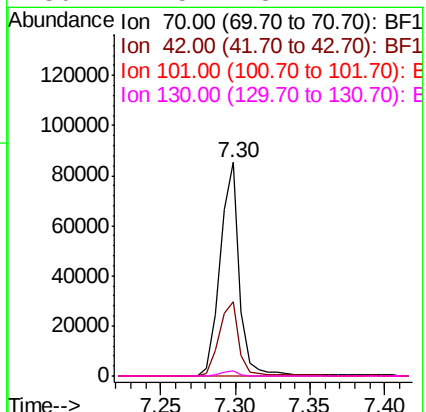
Ion Ratio Lower Upper

70 100

42 34.8 38.0 57.0#

101 0.0 8.2 12.4#

130 2.5 18.2 27.4#

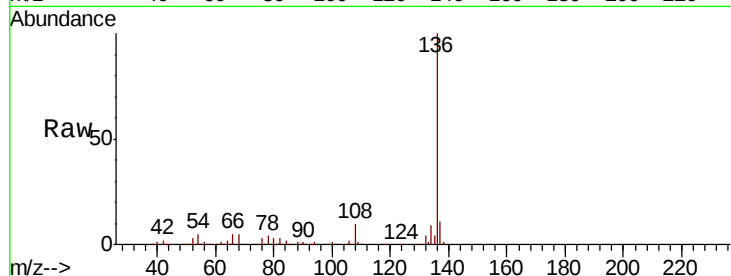




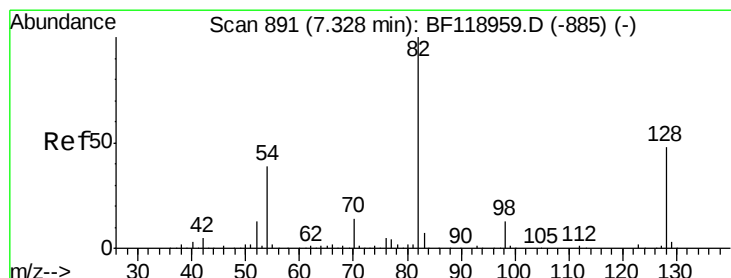
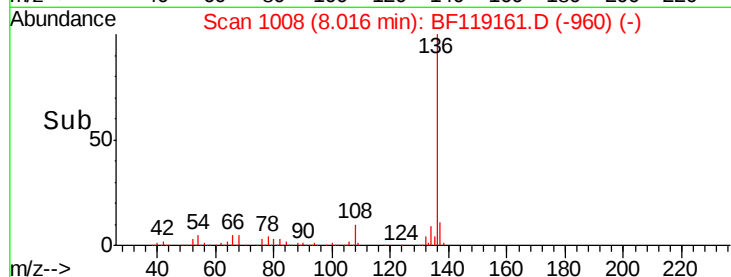
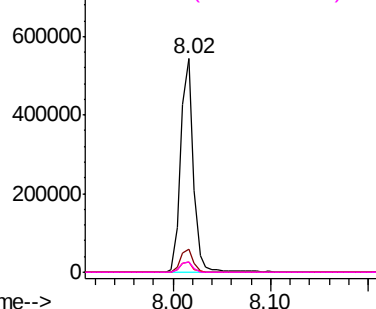
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.02 min
Lab File: BF119161.D
Acq: 29 Feb 2020 16:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	495024
Ion	Ratio	Lower Upper
136	100	
137	10.8	8.8 13.2
54	4.7	3.8 5.6
68	5.0	3.9 5.9

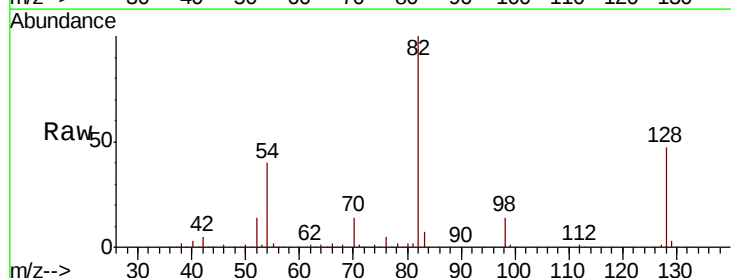


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

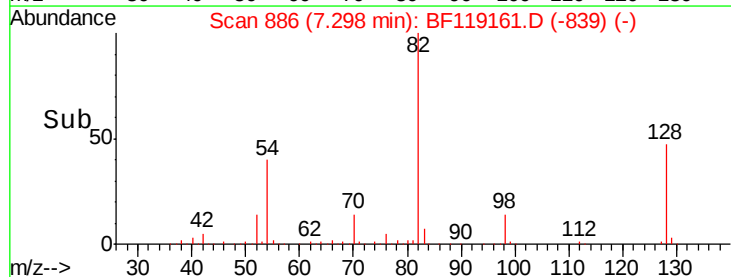
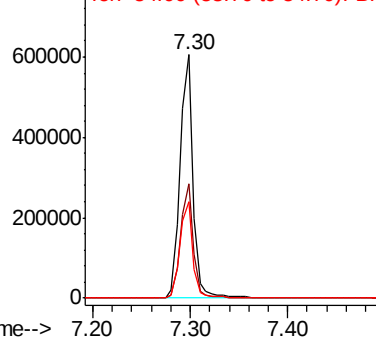


#23
Nitrobenzene-d5
Concen: 59.818 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.02 min
Lab File: BF119161.D
Acq: 29 Feb 2020 16:31

Tgt Ion: 82	Resp:	560817
Ion	Ratio	Lower Upper
82	100	
128	46.9	37.9 56.9
54	39.7	33.4 50.2



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: 34.443 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.28 min

Lab File: BF119161.D

Acq: 29 Feb 2020 16:31

Instrument :

BNA_F

ClientSampled :

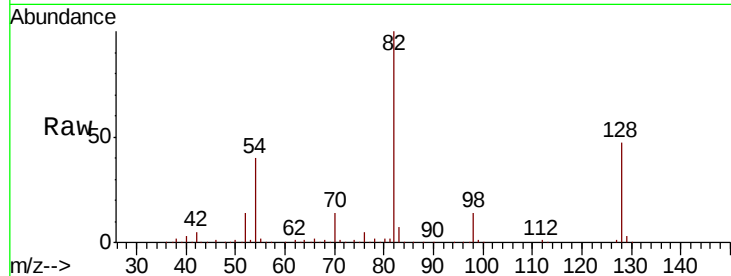
Tot Ion: 82 Resp: 560812

Ion Ratio Lower Upper

82 100

95 0.0 6.4 9.6#

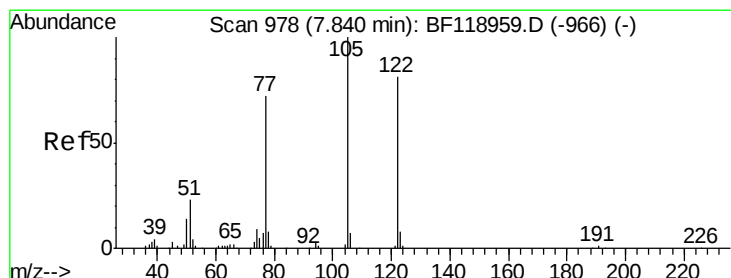
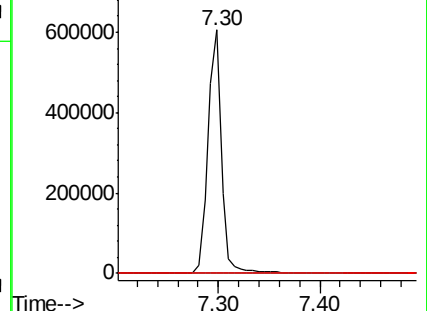
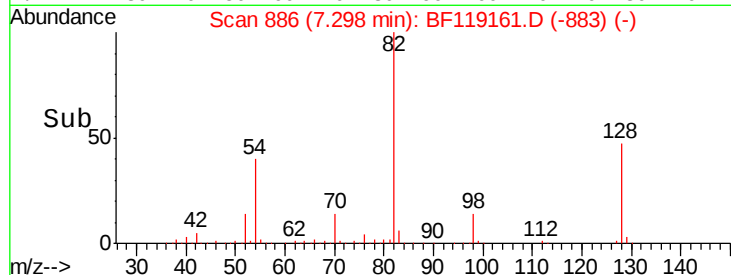
138 0.0 15.7 23.5#



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



#32

Benzoic acid

Concen: 6.770 ng

RT: 7.83 min Scan# 977

Delta R.T. -0.03 min

Lab File: BF119161.D

Acq: 29 Feb 2020 16:31

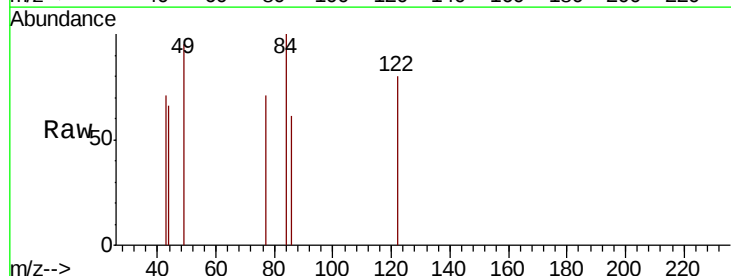
Tgt Ion: 122 Resp: 510

Ion Ratio Lower Upper

122 100

105 0.0 106.3 146.3#

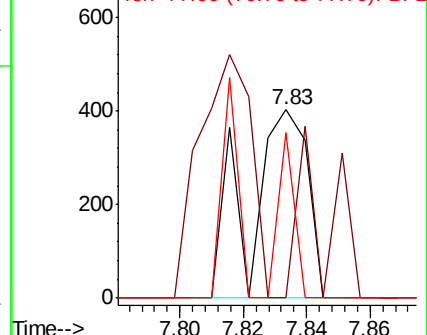
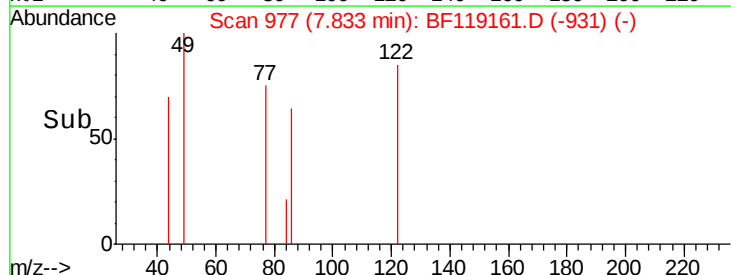
77 88.1 73.1 113.1

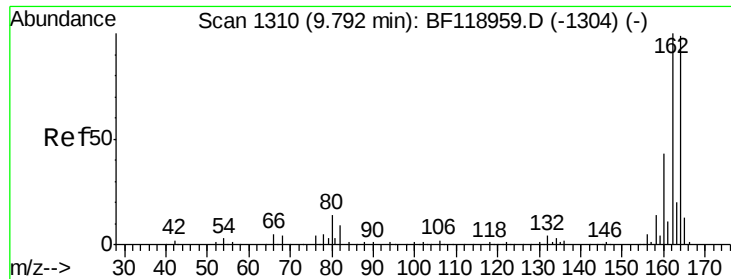


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.02 min

Lab File: BF119161.D

Acq: 29 Feb 2020 16:31

Instrument :

BNA_F

ClientSampleId :

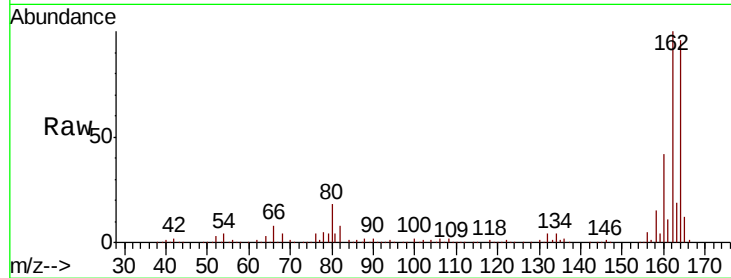
Tot Ion:164 Resp: 248159

Ion Ratio Lower Upper

164 100

162 104.1 81.8 122.8

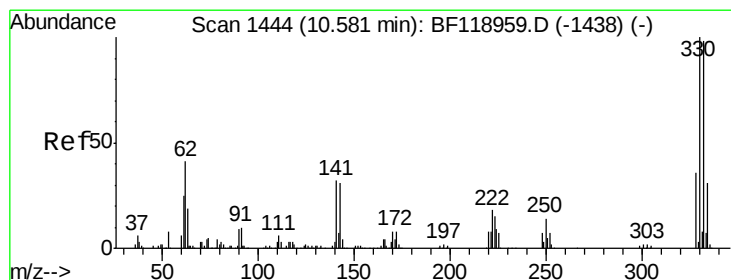
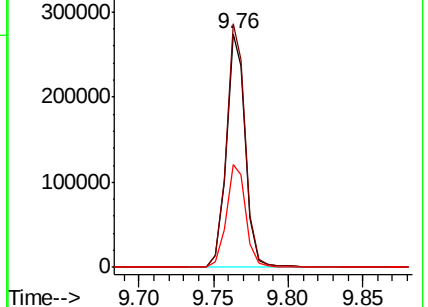
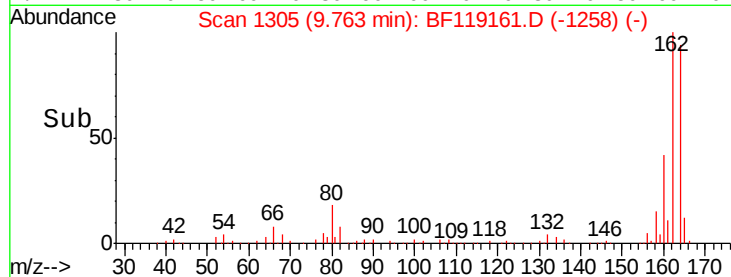
160 43.9 36.0 54.0



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: 77.233 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.02 min

Lab File: BF119161.D

Acq: 29 Feb 2020 16:31

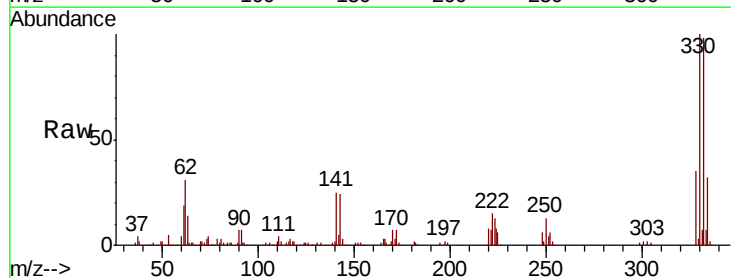
Tgt Ion:330 Resp: 250724

Ion Ratio Lower Upper

330 100

332 97.0 76.0 114.0

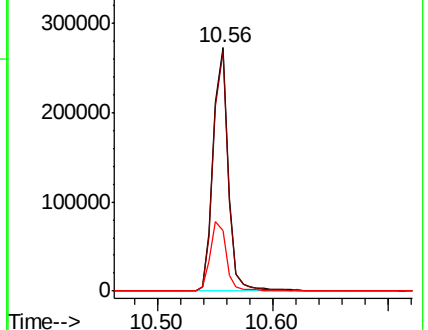
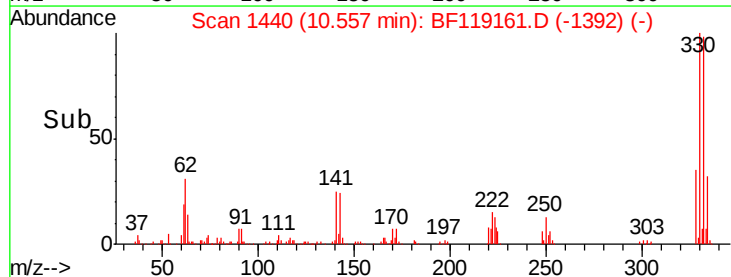
141 30.4 22.9 34.3

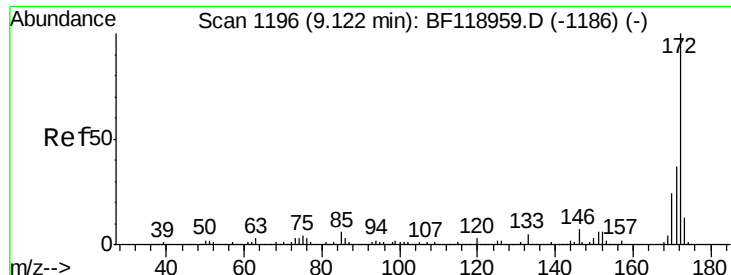


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



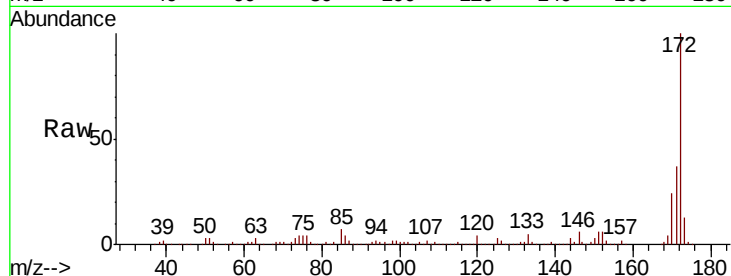


#45
 2-Fluorobiphenyl
 Concen: 63.261 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.02 min
 Lab File: BF119161.D
 Acq: 29 Feb 2020 16:31

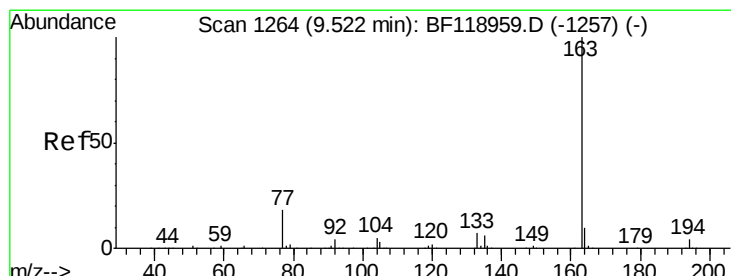
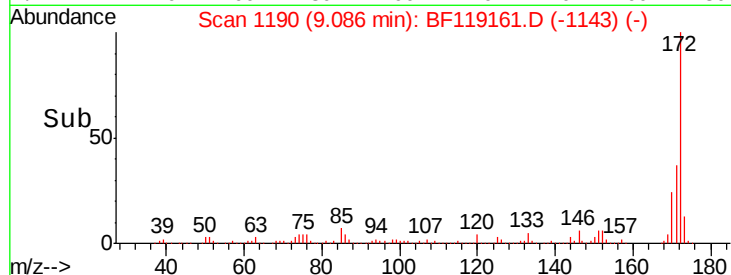
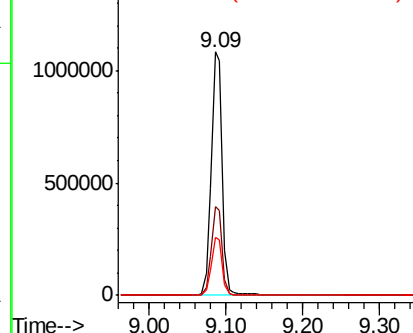
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1065641

Ion	Ratio	Lower	Upper
172	100		
171	36.7	30.6	45.8
170	23.9	20.2	30.2



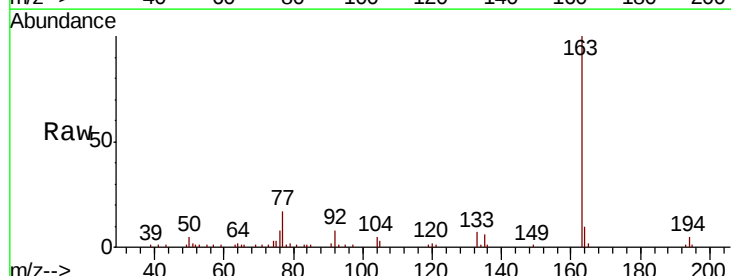
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



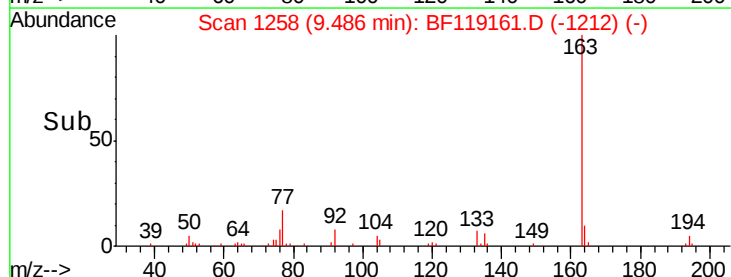
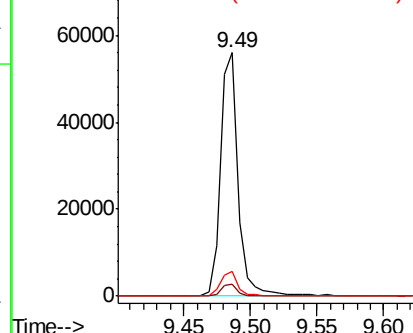
#50
 Dimethylphthalate
 Concen: 2.748 ng
 RT: 9.49 min Scan# 1258
 Delta R.T. -0.03 min
 Lab File: BF119161.D
 Acq: 29 Feb 2020 16:31

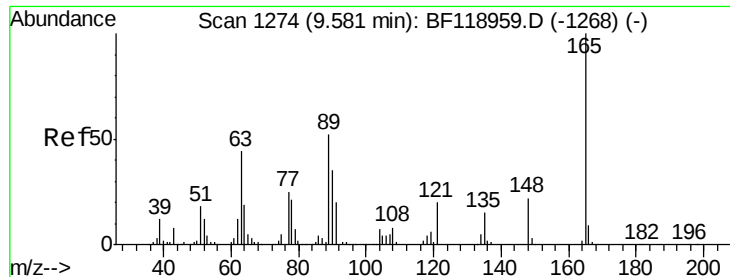
Tgt Ion:163 Resp: 52156

Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.5	5.3
164	10.0	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

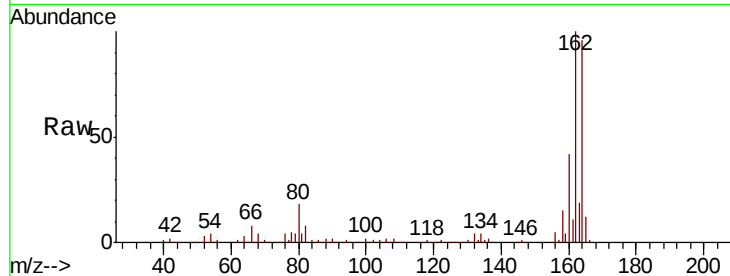




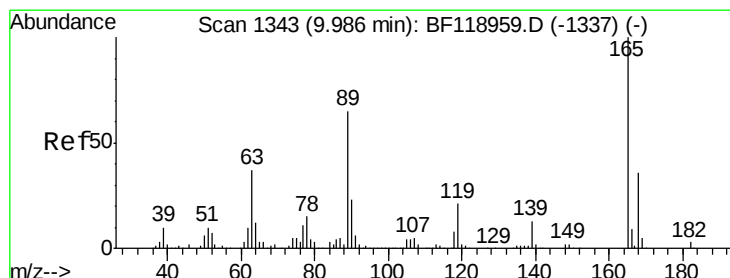
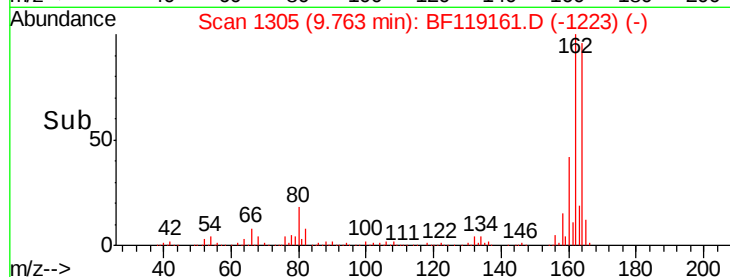
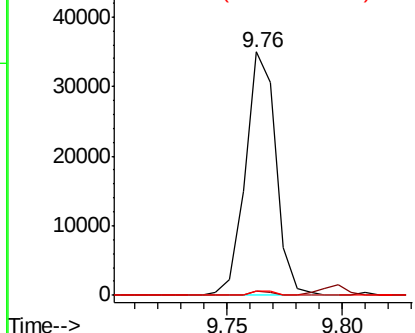
#51
 2,6-Dinitrotoluene
 Concen: 7.679 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. 0.18 min
 Lab File: BF119161.D
 Acq: 29 Feb 2020 16:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	34.3	51.5#
89	1.5	38.3	57.5#



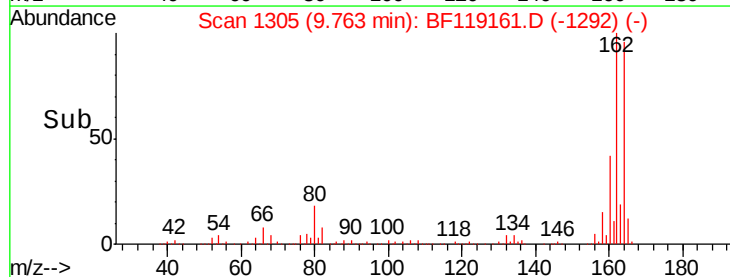
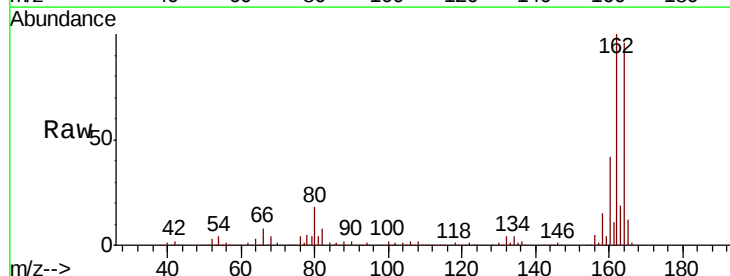
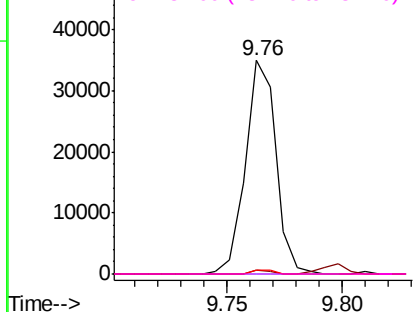
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

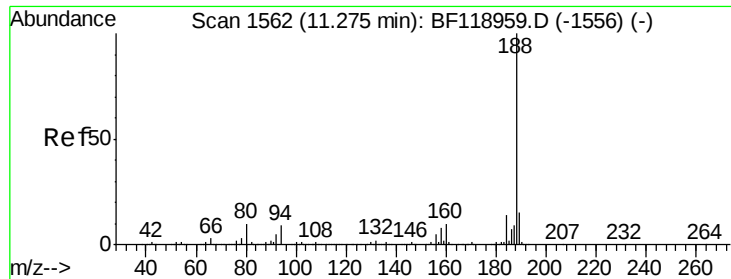


#57
 2,4-Dinitrotoluene
 Concen: 5.924 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.22 min
 Lab File: BF119161.D
 Acq: 29 Feb 2020 16:31

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	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# 1557

Delta R.T. -0.02 min

Lab File: BF119161.D

Acq: 29 Feb 2020 16:31

Instrument :

BNA_F

ClientSampleId :

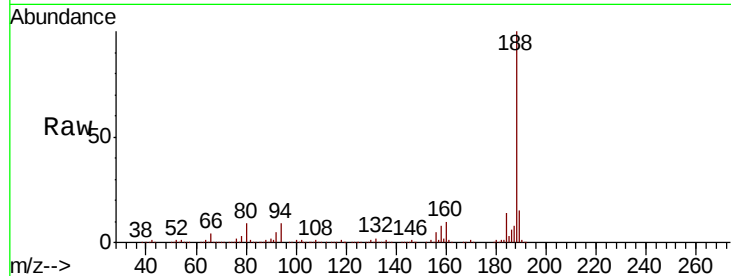
Tot Ion:188 Resp: 398152

Ion Ratio Lower Upper

188 100

94 8.9 7.1 10.7

80 9.3 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

600000

500000

400000

300000

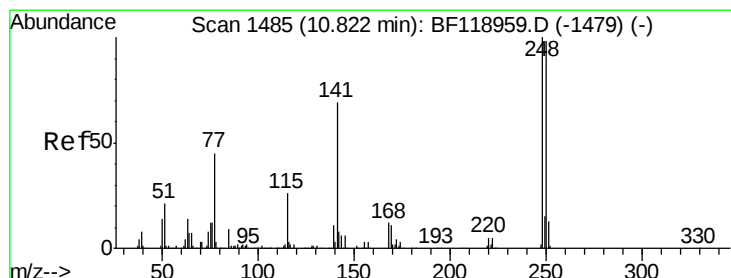
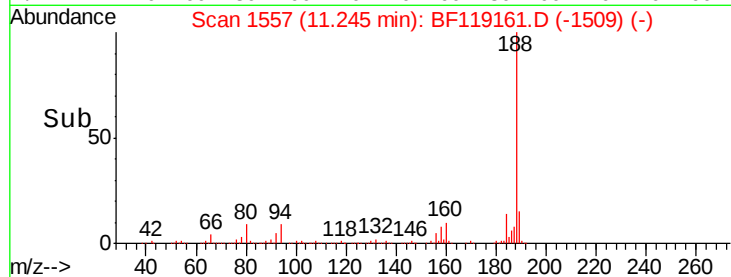
200000

100000

0

11.20 11.25 11.30

Time-->



#67

4-Bromophenyl-phenylether

Concen: 3.157 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.25 min

Lab File: BF119161.D

Acq: 29 Feb 2020 16:31

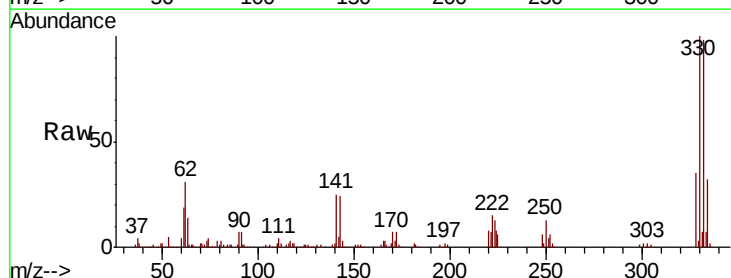
Tgt Ion:248 Resp: 16429

Ion Ratio Lower Upper

248 100

250 205.2 76.7 115.1#

141 400.5 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

100000

80000

60000

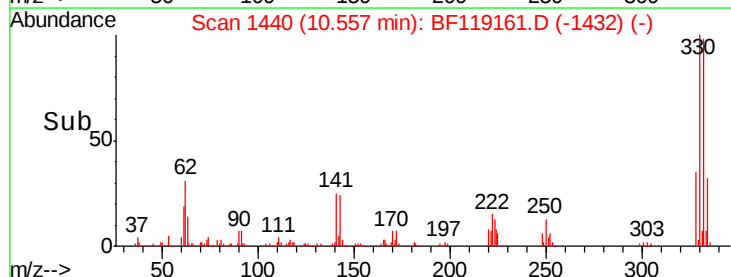
40000

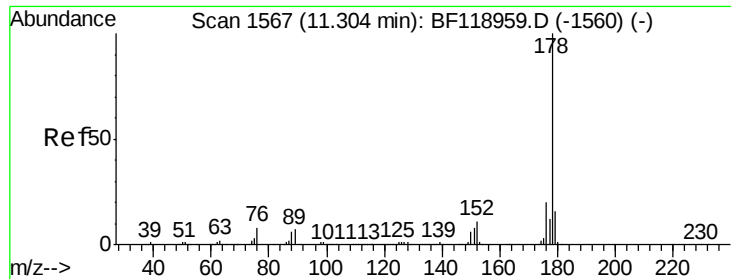
20000

0

10.50 10.55 10.60

Time-->





#71

Phenanthrene

Concen: 8.710 ng

RT: 11.27 min Scan# 1561

Delta R.T. -0.02 min

Lab File: BF119161.D

Acq: 29 Feb 2020 16:31

Instrument :

BNA_F

ClientSampleId :

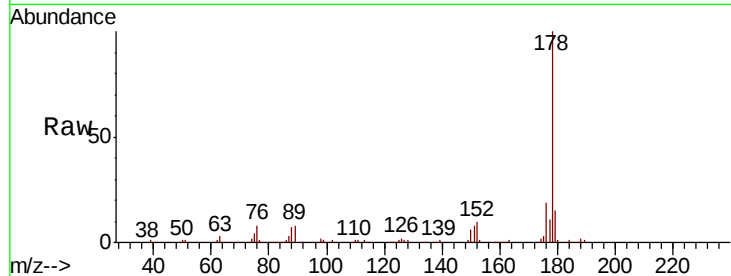
Tot Ion:178 Resp: 189119

Ion Ratio Lower Upper

178 100

176 19.5 16.5 24.7

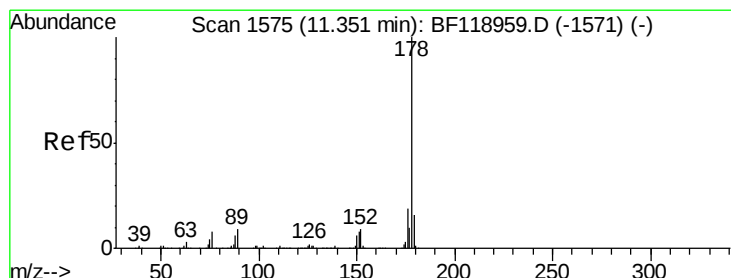
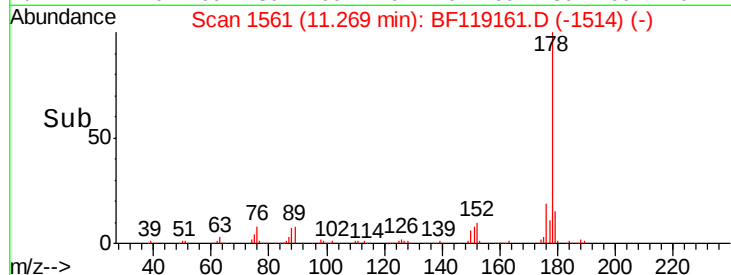
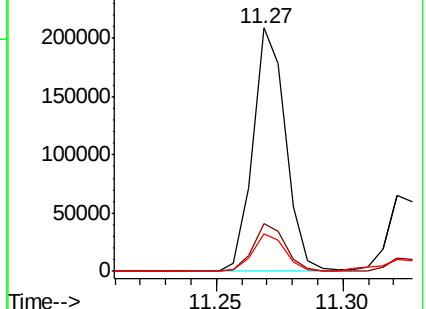
179 15.4 13.0 19.6



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



#72

Anthracene

Concen: 2.757 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.02 min

Lab File: BF119161.D

Acq: 29 Feb 2020 16:31

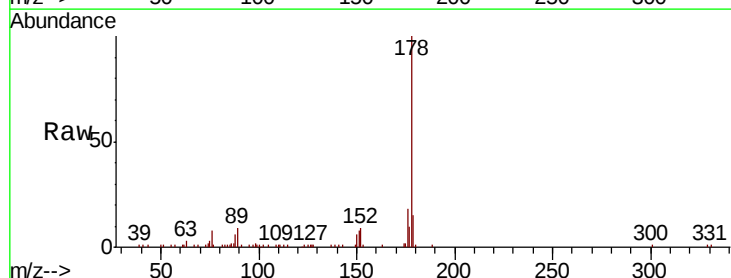
Tgt Ion:178 Resp: 59818

Ion Ratio Lower Upper

178 100

176 17.6 16.0 24.0

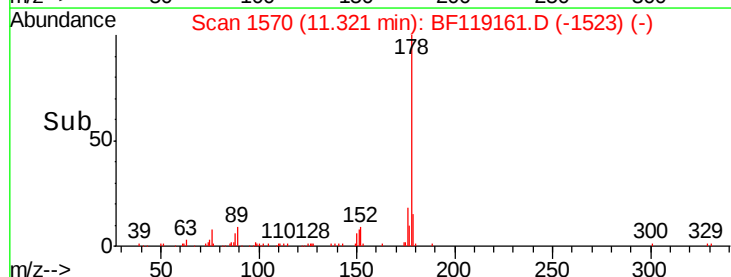
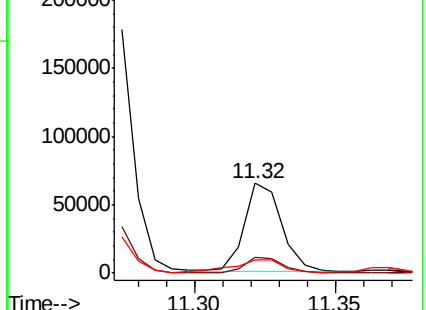
179 15.0 13.1 19.7

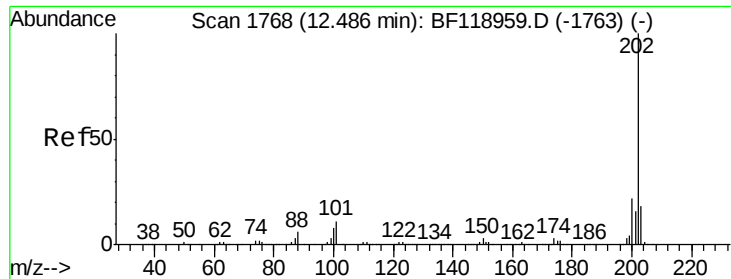


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 15.030 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.02 min

Lab File: BF119161.D

Acq: 29 Feb 2020 16:31

Instrument :

BNA_F

ClientSampleId :

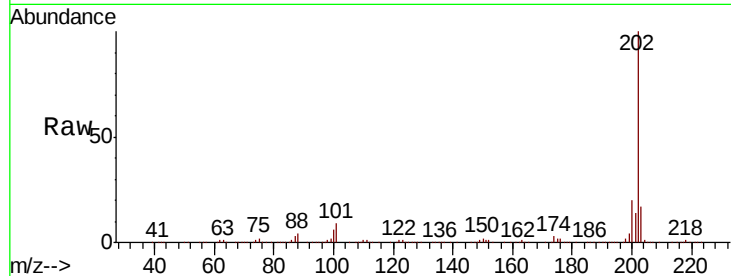
Tot Ion:202 Resp: 346416

Ion Ratio Lower Upper

202 100

101 8.8 0.0 30.3

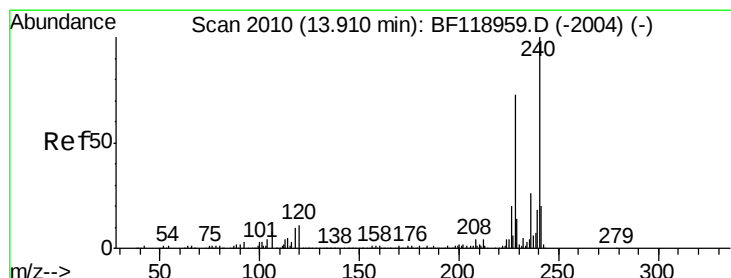
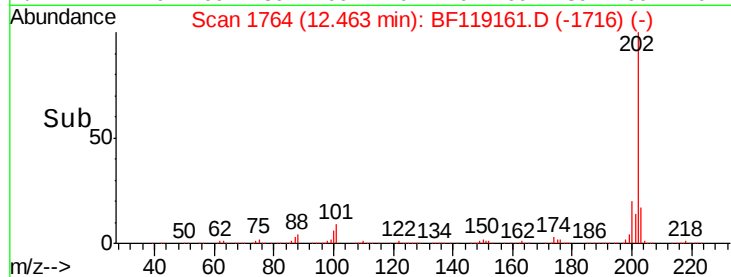
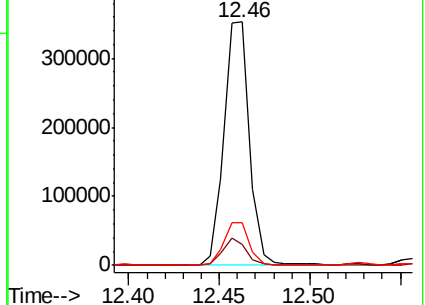
203 17.3 0.0 38.4



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: 13.89 min Scan# 2006

Delta R.T. -0.02 min

Lab File: BF119161.D

Acq: 29 Feb 2020 16:31

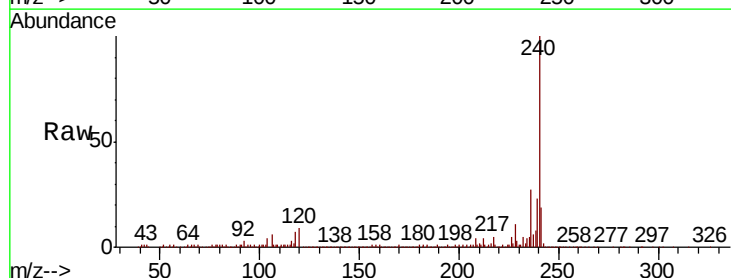
Tgt Ion:240 Resp: 333981

Ion Ratio Lower Upper

240 100

120 9.2 8.4 12.6

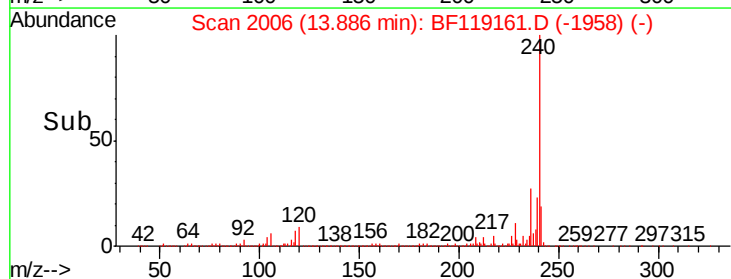
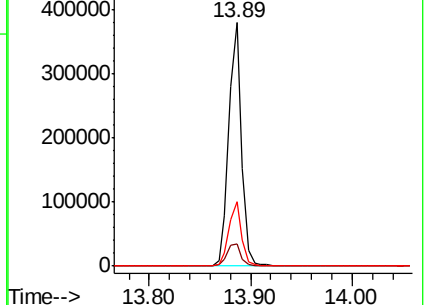
236 26.6 21.0 31.4

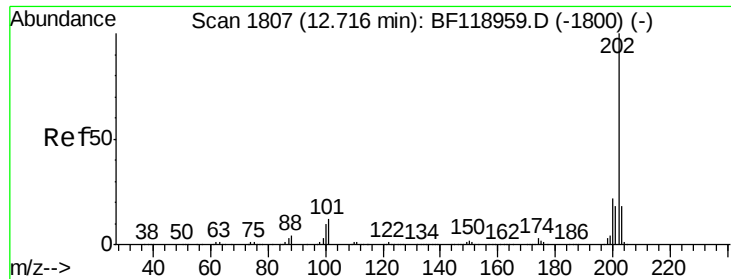


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

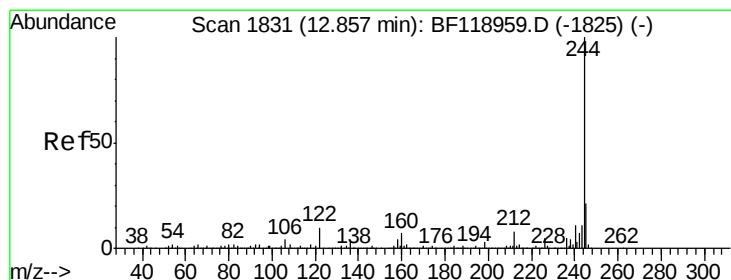
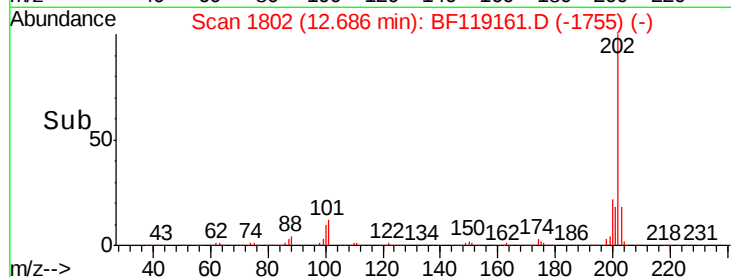
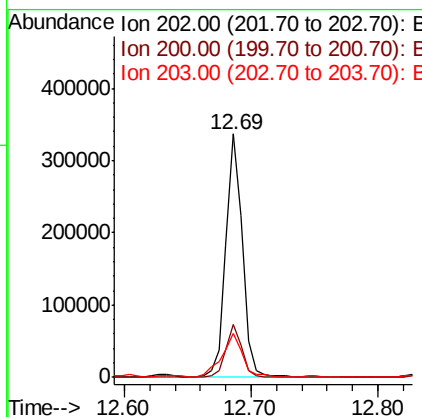
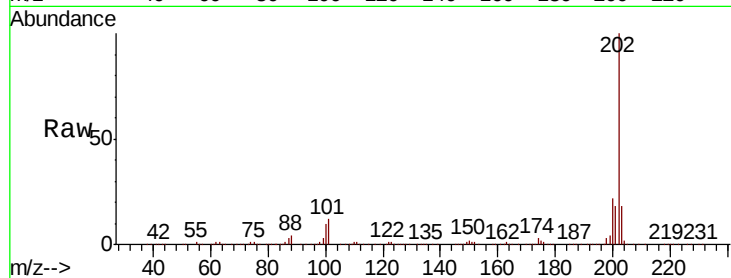




#78
Pvrene
Concen: 11.366 ng
RT: 12.69 min Scan# 1802
Delta R.T. -0.02 min
Lab File: BF119161.D
Acq: 29 Feb 2020 16:31

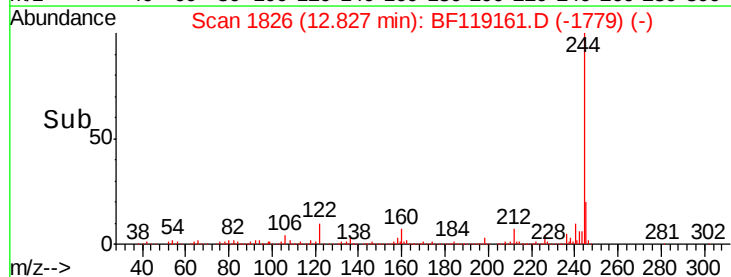
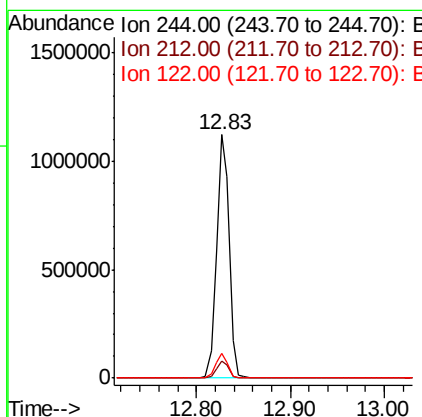
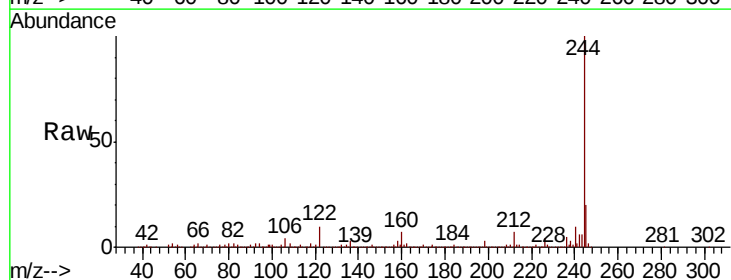
Instrument :
BNA_F
ClientSampleId :

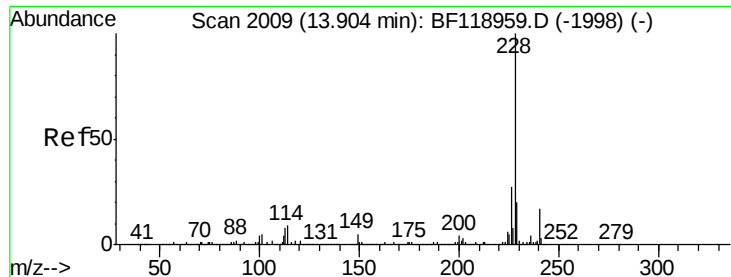
Tot Ion:202 Resp: 304827
Ion Ratio Lower Upper
202 100
200 21.5 18.0 27.0
203 18.0 14.6 22.0



#79
Terphenyl-d14
Concen: 54.492 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.02 min
Lab File: BF119161.D
Acq: 29 Feb 2020 16:31

Tgt Ion:244 Resp: 1057067
Ion Ratio Lower Upper
244 100
212 7.2 6.6 10.0
122 10.2 8.2 12.2





#81

Benzo(a)anthracene

Concen: 9.743 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.02 min

Lab File: BF119161.D

Acq: 29 Feb 2020 16:31

Instrument :

BNA_F

ClientSampleId :

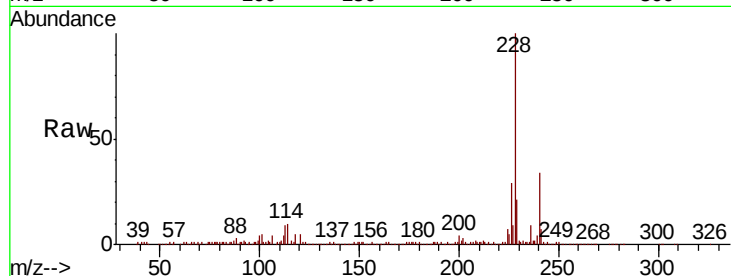
Tot Ion:228 Resp: 221726

Ion Ratio Lower Upper

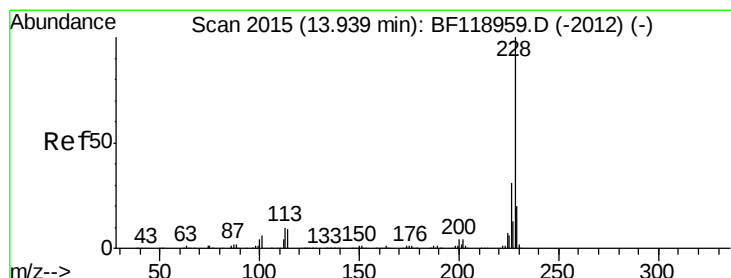
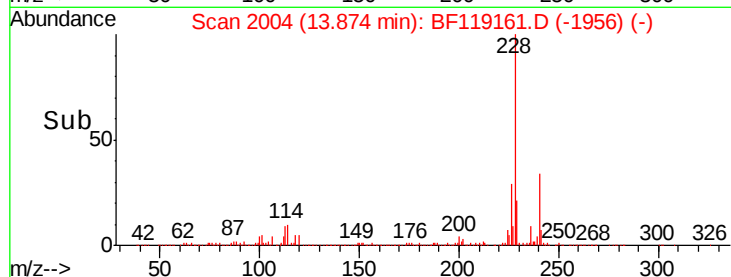
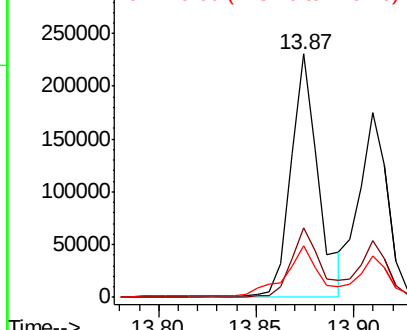
228 100

226 28.8 22.6 33.8

229 21.4 16.6 24.8



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 7.854 ng

RT: 13.91 min Scan# 2010

Delta R.T. -0.02 min

Lab File: BF119161.D

Acq: 29 Feb 2020 16:31

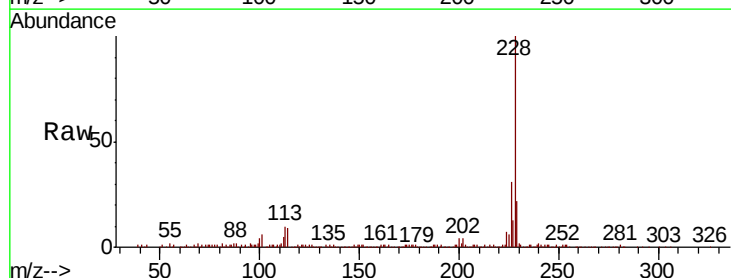
Tgt Ion:228 Resp: 178087

Ion Ratio Lower Upper

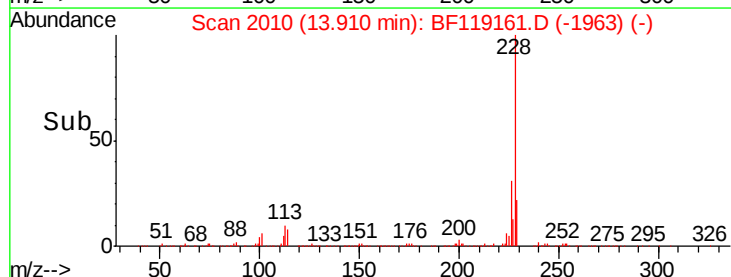
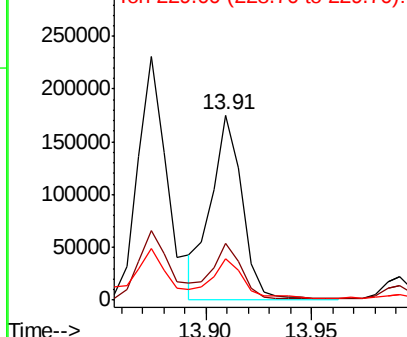
228 100

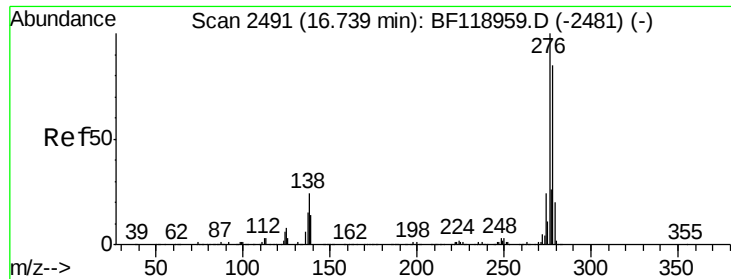
226 30.8 25.1 37.7

229 22.4 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

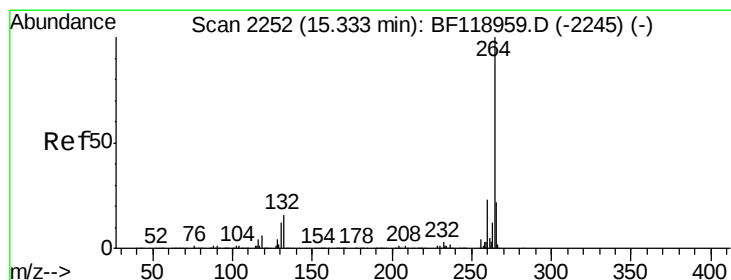
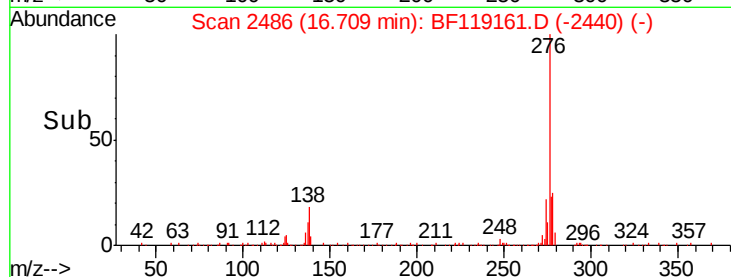
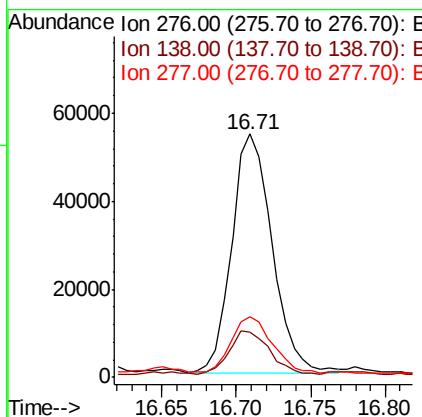
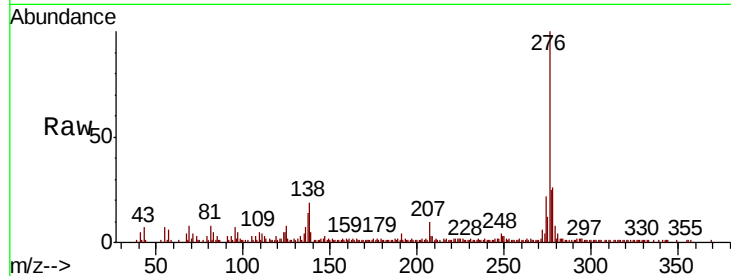




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 4.664 ng
 RT: 16.71 min Scan# 2486
 Delta R.T. -0.03 min
 Lab File: BF119161.D
 Acq: 29 Feb 2020 16:31

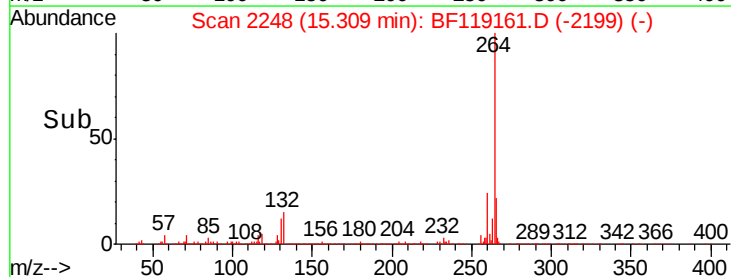
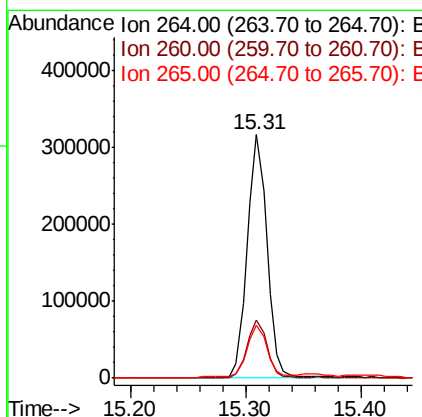
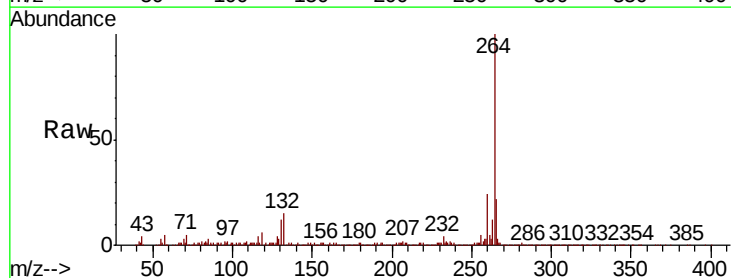
Instrument :
 BNA_F
 ClientSampleId :

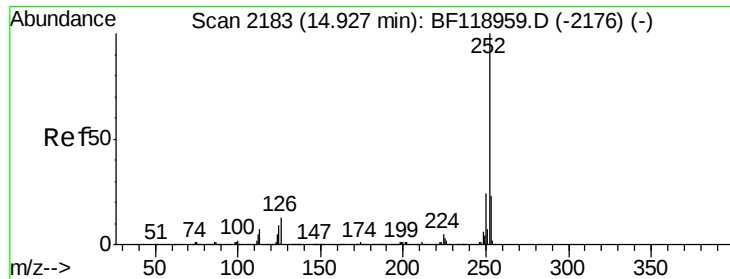
Tot Ion	Ratio	Lower	Upper
276	100		
138	18.5	17.4	26.0
277	23.2	20.3	30.5



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.31 min Scan# 2248
 Delta R.T. -0.01 min
 Lab File: BF119161.D
 Acq: 29 Feb 2020 16:31

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.4	29.2
265	21.8	17.7	26.5

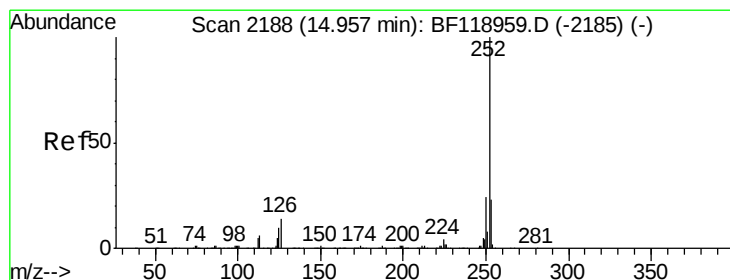
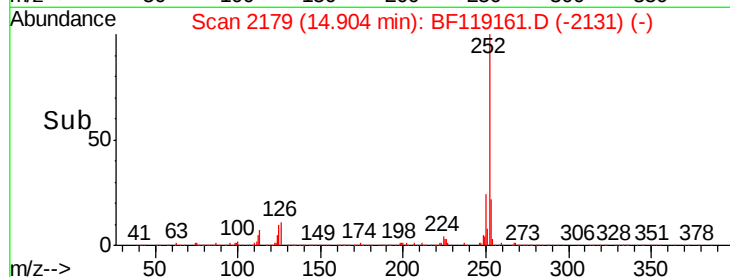
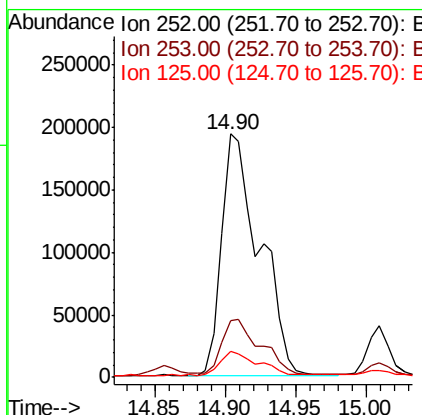
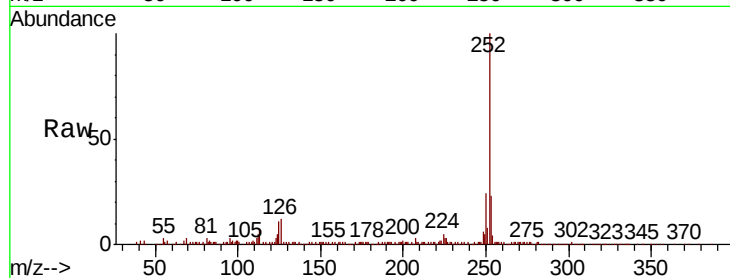




#88
Benzo(b)fluoranthene
Concen: 14.764 ng
RT: 14.90 min Scan# 2179
Delta R.T. -0.02 min
Lab File: BF119161.D
Acq: 29 Feb 2020 16:31

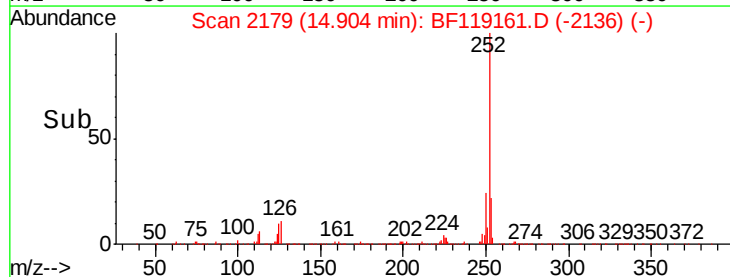
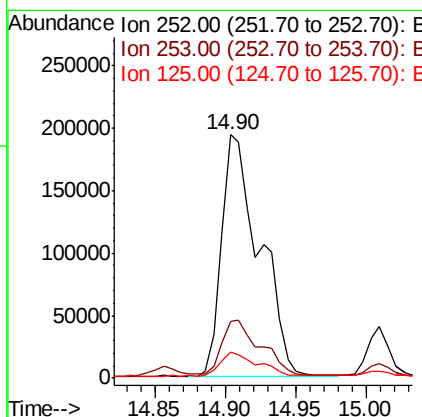
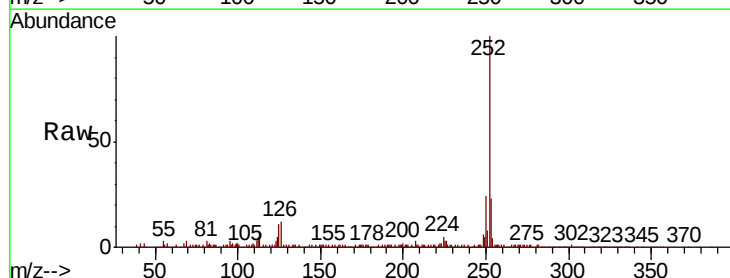
Instrument :
BNA_F
ClientSampleId :

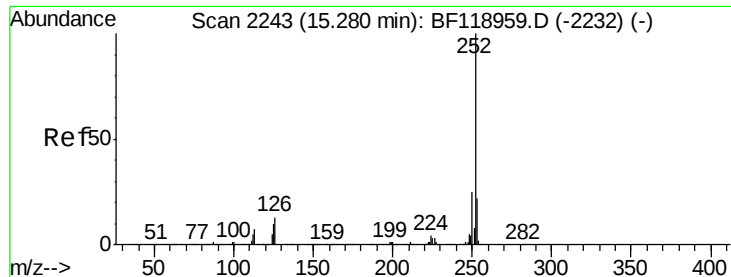
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	10.6	7.4	11.0



#89
Benzo(k)fluoranthene
Concen: 15.932 ng
RT: 14.90 min Scan# 2179
Delta R.T. -0.05 min
Lab File: BF119161.D
Acq: 29 Feb 2020 16:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.8
125	10.6	7.5	11.3

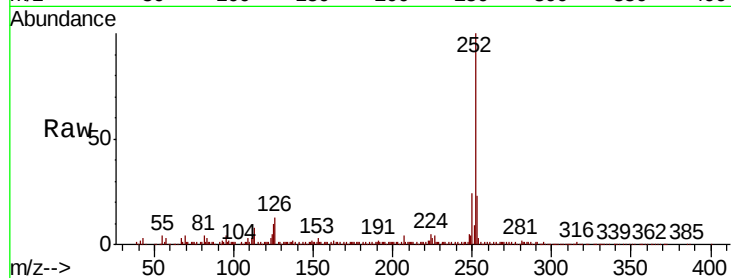




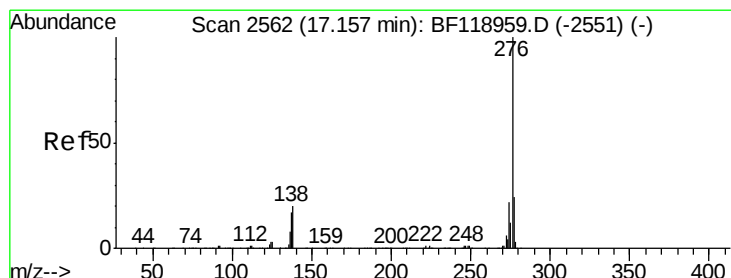
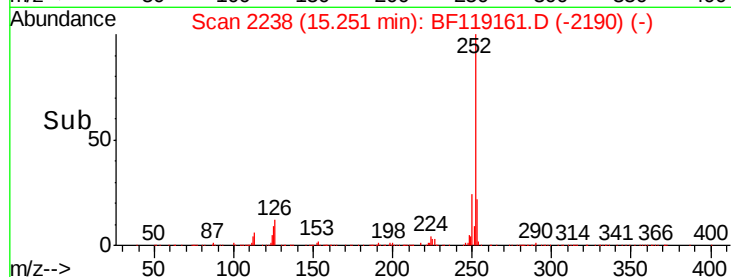
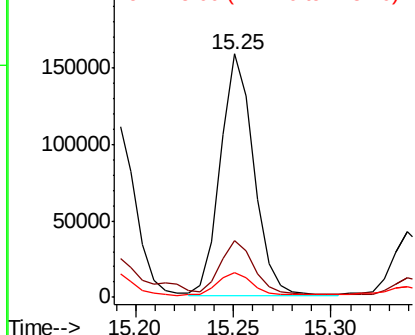
#90
Benzo(a)pyrene
Concen: 8.394 ng
RT: 15.25 min Scan# 2238
Delta R.T. -0.02 min
Lab File: BF119161.D
Acq: 29 Feb 2020 16:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 188483
Ion Ratio Lower Upper
252 100
253 23.4 18.0 27.0
125 10.4 8.6 12.8

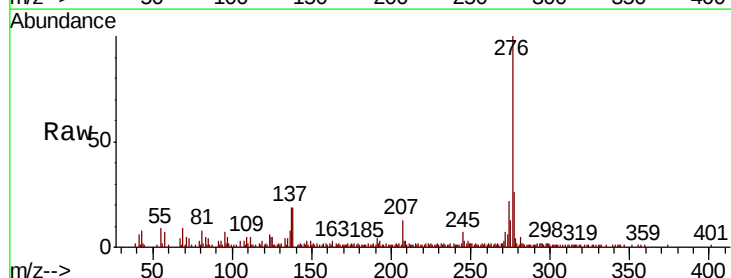


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 4.624 ng
RT: 17.13 min Scan# 2557
Delta R.T. -0.03 min
Lab File: BF119161.D
Acq: 29 Feb 2020 16:31

Tgt Ion:276 Resp: 90267
Ion Ratio Lower Upper
276 100
277 25.6 18.7 28.1
138 19.2 14.3 21.5



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

