

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030420\
 Data File : BF119205.D
 Acq On : 4 Mar 2020 20:22
 Operator : CG/JU
 Sample : L1770-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 05 05:49:59 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	6.74	152	121297	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	406076	20.00	ng	-0.01
39) Acenaphthene-d10	9.77	164	180872	20.00	ng	-0.01
64) Phenanthrene-d10	11.26	188	288726	20.00	ng	0.00
76) Chrysene-d12	13.90	240	250637	20.00	ng	0.00
87) Perylene-d12	15.34	264	201918	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.37	112	618144	85.17	ng	0.00
7) Phenol-d6	6.40	99	723494	81.96	ng	0.00
23) Nitrobenzene-d5	7.30	82	452965	58.90	ng	-0.02
42) 2,4,6-Tribromophenol	10.57	330	164636	69.58	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	781016	63.61	ng	-0.01
79) Terphenyl-d14	12.84	244	781931	53.71	ng	-0.01

Target Compounds

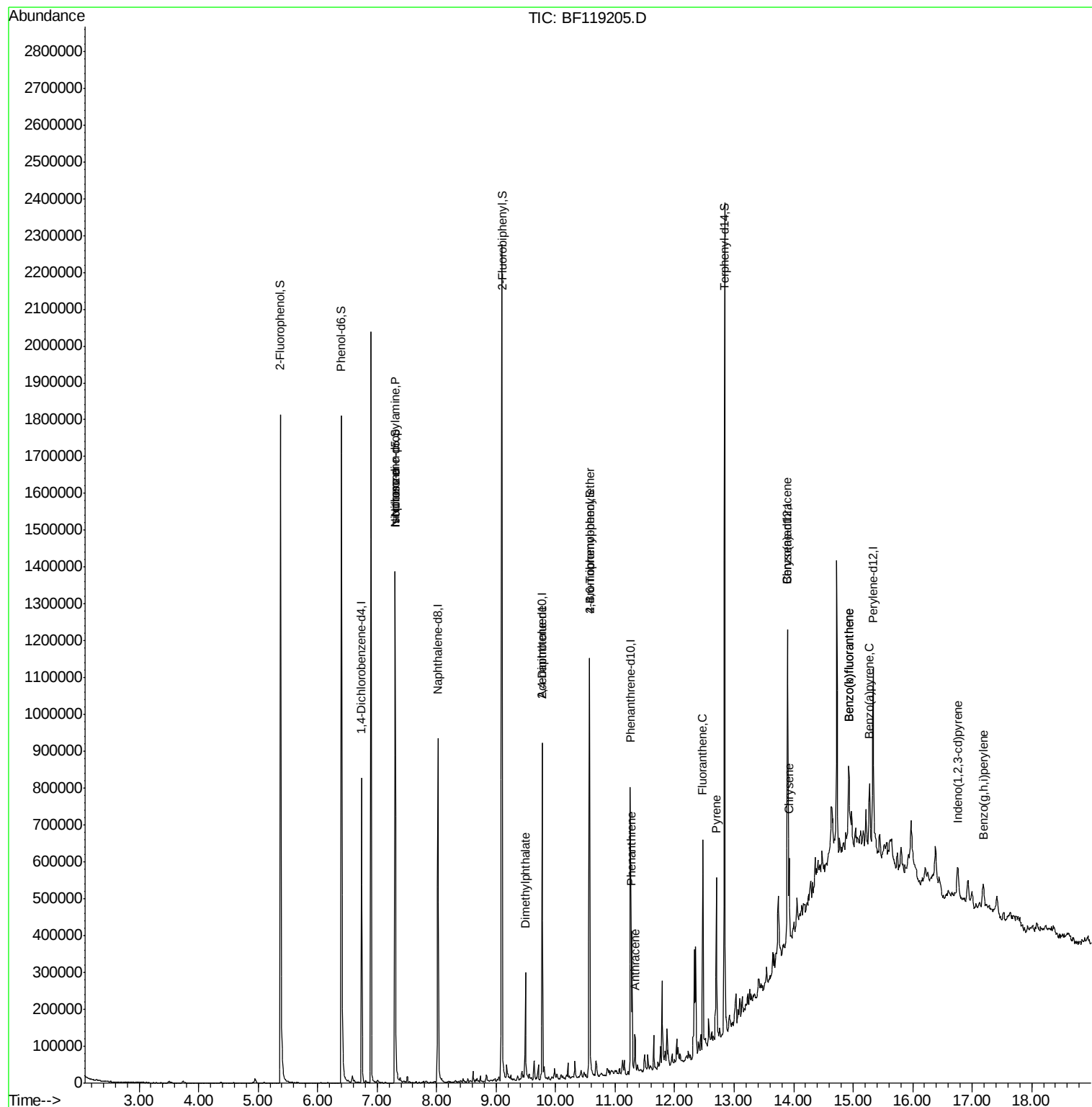
						Qvalue
19) n-Nitroso-di-n-propylamine	7.30	70	63802	12.404	ng	# 76
25) Isophorone	7.30	82	452959	33.913	ng	# 63
50) Dimethylphthalate	9.49	163	123887	8.957	ng	98
57) 2,4-Dinitrotoluene	9.77	165	23566	5.917	ng	# 21
67) 4-Bromophenyl-phenylether	10.57	248	10623	2.815	ng	# 1
71) Phenanthrene	11.28	178	139332	8.849	ng	98
72) Anthracene	11.33	178	41631	2.646	ng	97
75) Fluoranthene	12.47	202	221779	13.269	ng	98
78) Pyrene	12.70	202	194055	9.642	ng	97
81) Benzo(a)anthracene	13.89	228	103022	6.033	ng	99
83) Chrysene	13.93	228	93839	5.515	ng	98
86) Indeno(1,2,3-cd)pyrene	16.76	276	41465	2.517	ng	94
88) Benzo(b)fluoranthene	14.93	252	140614	10.565	ng	# 87
89) Benzo(k)fluoranthene	14.93	252	140614	11.400	ng	# 87
90) Benzo(a)pyrene	15.27	252	74453	6.198	ng	# 90
92) Benzo(g,h,i)perylene	17.19	276	40254	3.855	ng	# 89

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

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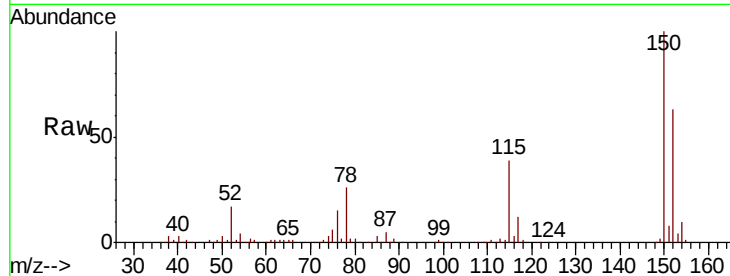


#1

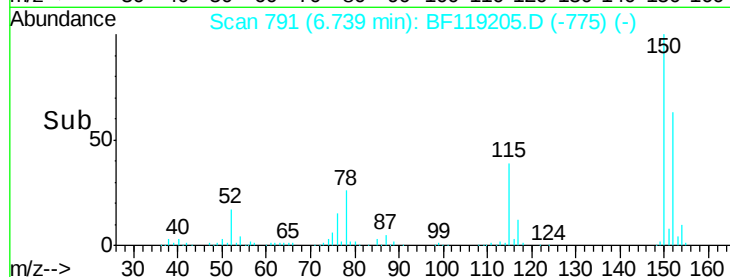
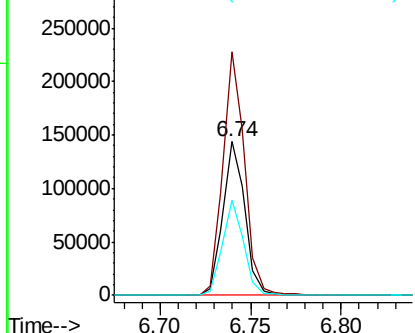
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF119205.D
Acq: 4 Mar 2020 20:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	123.0	184.6
115	62.1	49.5	74.3



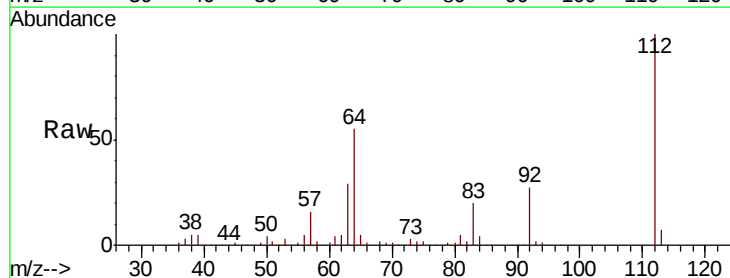
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



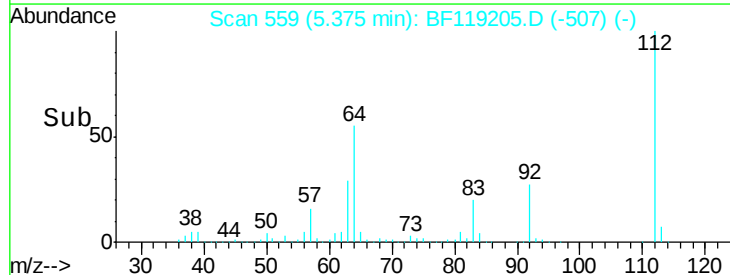
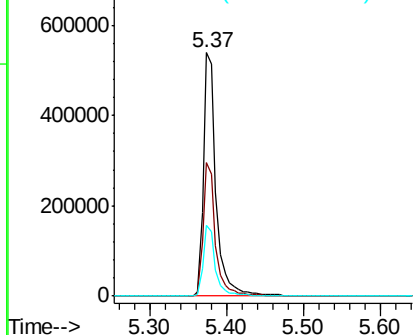
#5

2-Fluorophenol
Concen: 85.165 ng
RT: 5.37 min Scan# 559
Delta R.T. 0.01 min
Lab File: BF119205.D
Acq: 4 Mar 2020 20:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.7	45.0	67.4
63	29.3	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: 81.961 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF119205.D

Acq: 4 Mar 2020 20:22

Instrument :

BNA_F

ClientSampled :

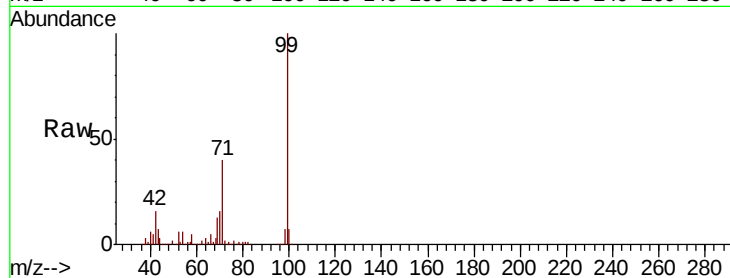
Tot Ion: 99 Resp: 723494

Ion Ratio Lower Upper

99 100

42 15.7 12.6 18.8

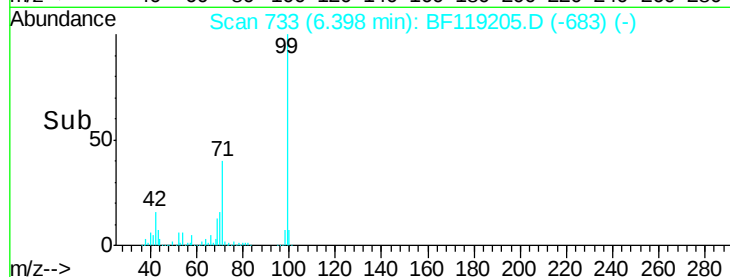
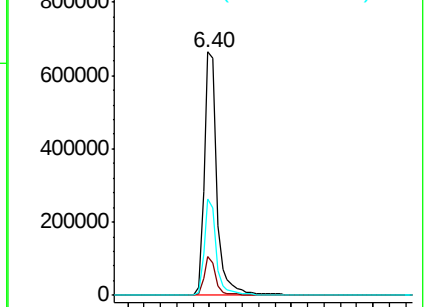
71 39.6 31.0 46.4



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: 12.404 ng

RT: 7.30 min Scan# 887

Delta R.T. 0.13 min

Lab File: BF119205.D

Acq: 4 Mar 2020 20:22

Tgt Ion: 70 Resp: 63802

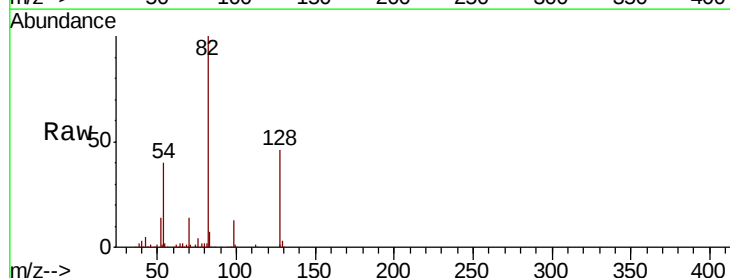
Ion Ratio Lower Upper

70 100

42 37.3 38.0 57.0#

101 0.0 8.2 12.4#

130 2.5 18.2 27.4#

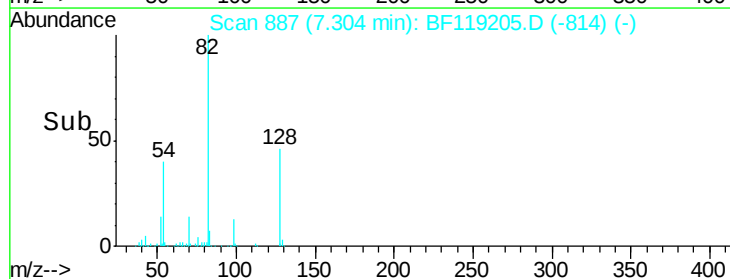
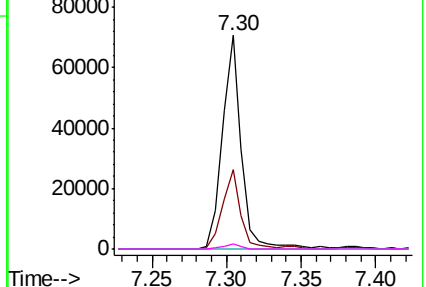


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.02 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF119205.D

Acq: 4 Mar 2020 20:22

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 406076

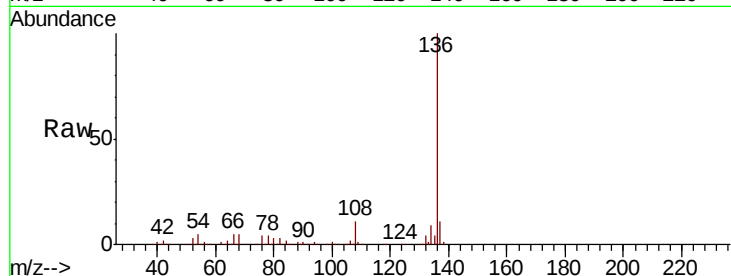
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 5.1 3.8 5.6

68 5.0 3.9 5.9

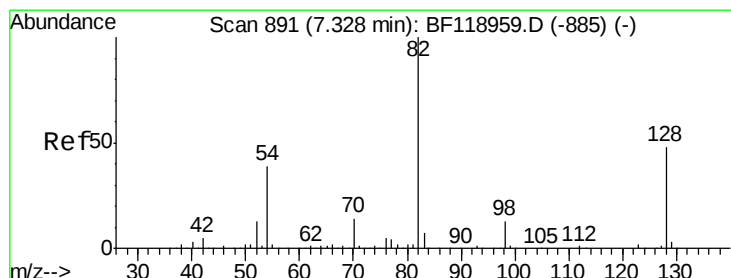
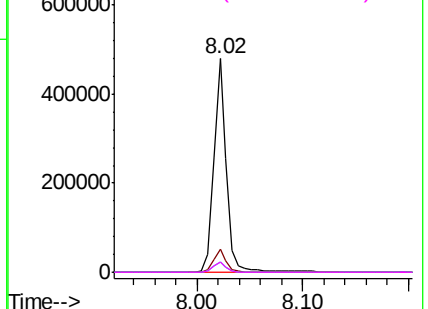
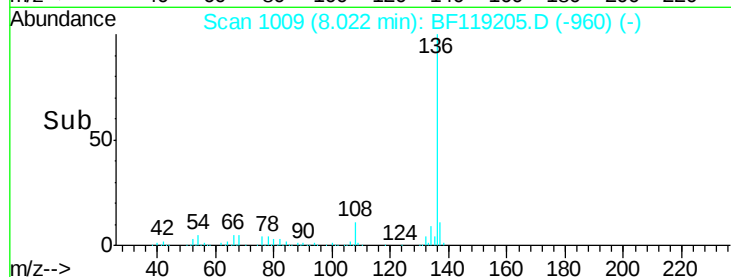


Abundance Ion 136.00 (135.70 to 136.70): E

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: 58.897 ng

RT: 7.30 min Scan# 887

Delta R.T. -0.02 min

Lab File: BF119205.D

Acq: 4 Mar 2020 20:22

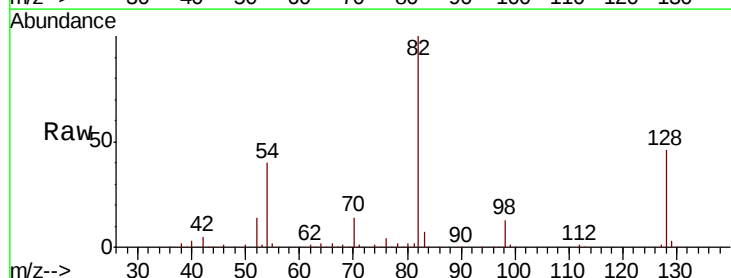
Tgt Ion: 82 Resp: 452965

Ion Ratio Lower Upper

82 100

128 46.0 37.9 56.9

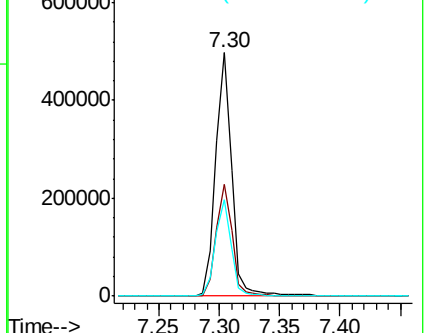
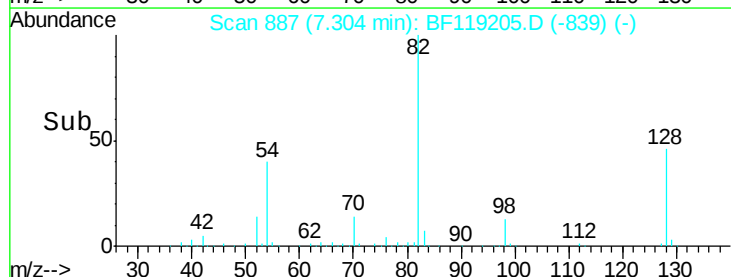
54 39.9 33.4 50.2



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

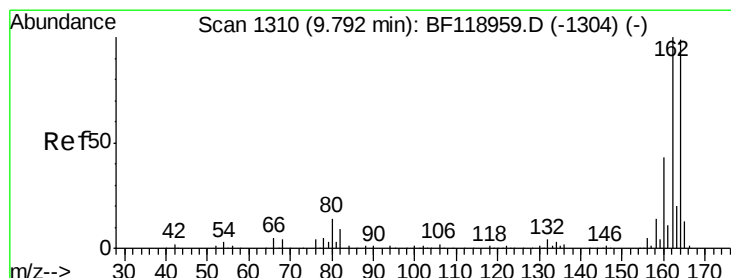
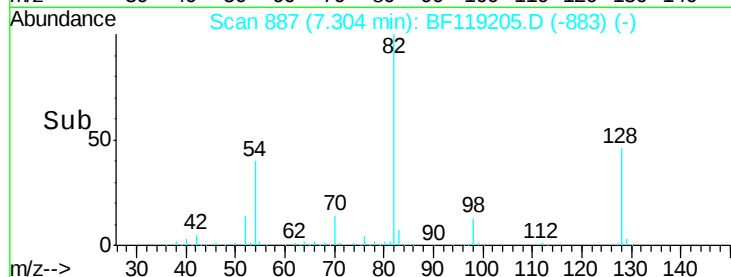
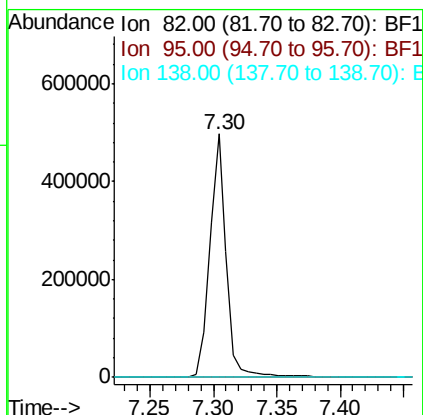
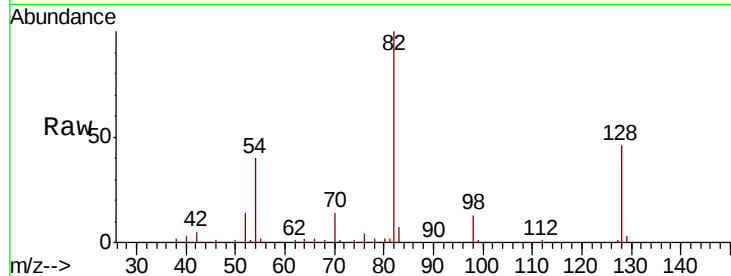




#25
Isophorone
Concen: 33.913 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.28 min
Lab File: BF119205.D
Acq: 4 Mar 2020 20:22

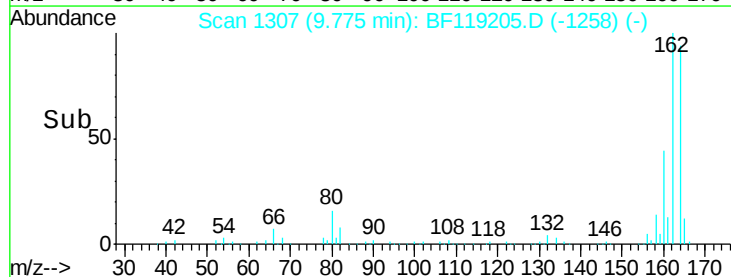
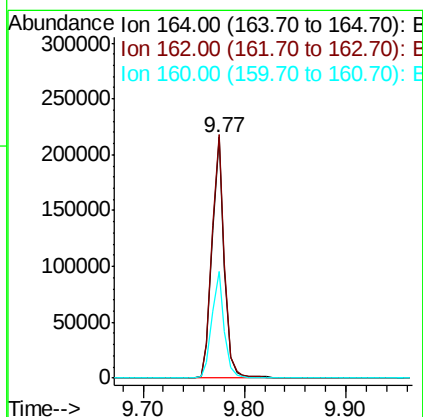
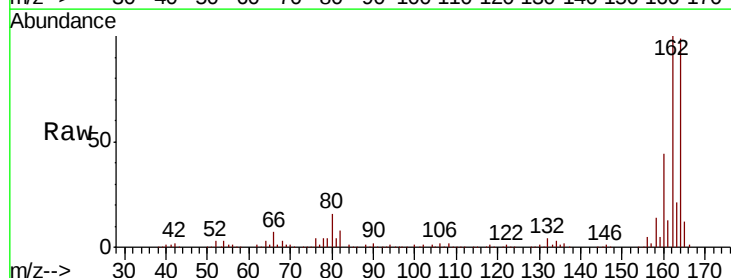
Instrument :
BNA_F
ClientSampleId :

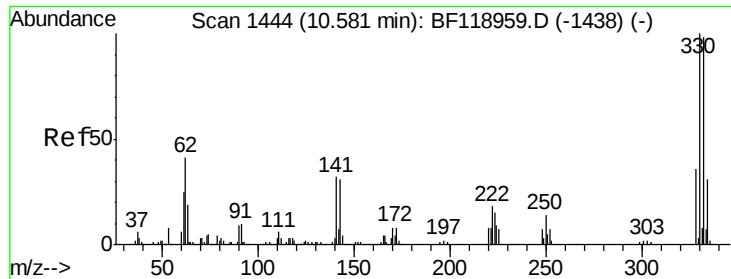
Tot Ion: 82 Resp: 452959
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 15.7 23.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BF119205.D
Acq: 4 Mar 2020 20:22

Tgt Ion: 164 Resp: 180872
Ion Ratio Lower Upper
164 100
162 101.2 81.8 122.8
160 44.2 36.0 54.0

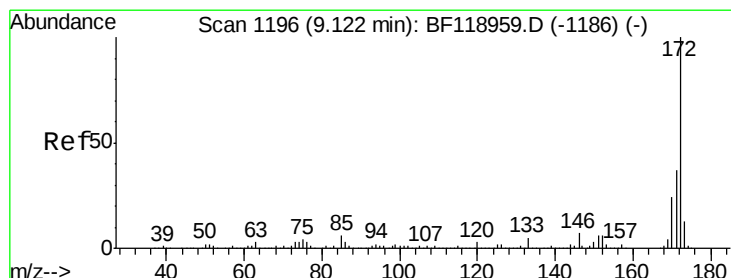
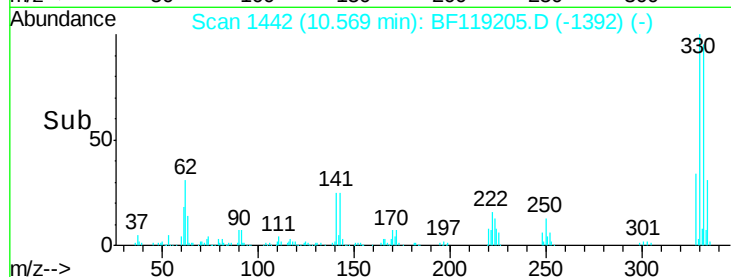
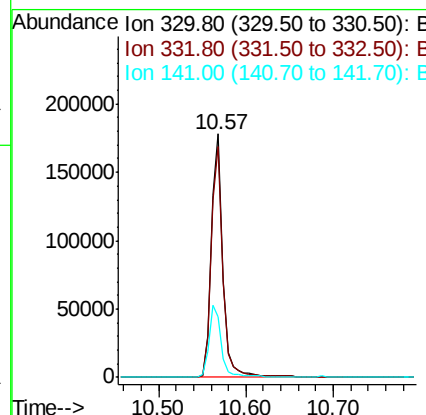
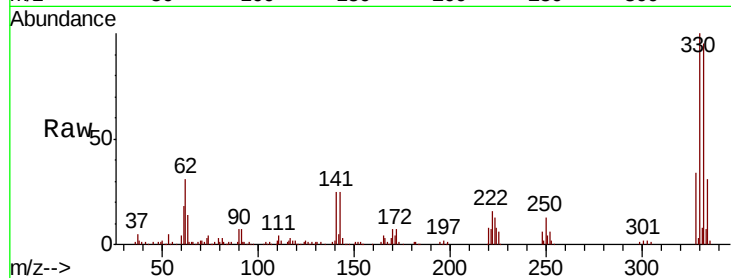




#42
 2,4,6-Tribromophenol
 Concen: 69.581 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF119205.D
 Acq: 4 Mar 2020 20:22

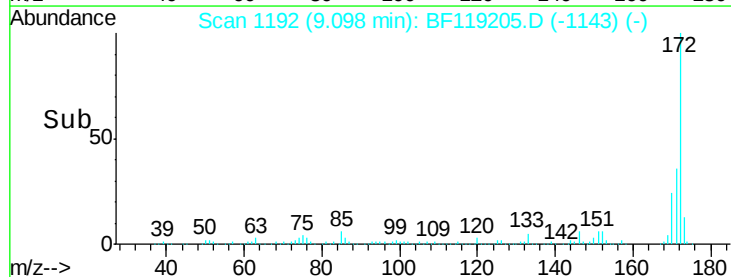
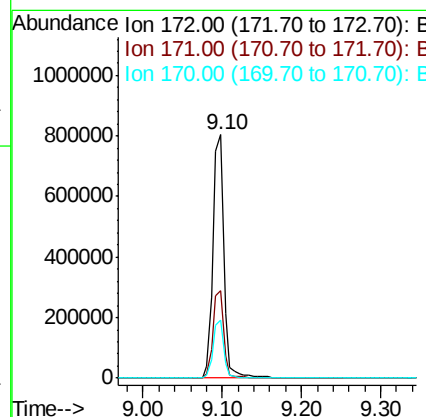
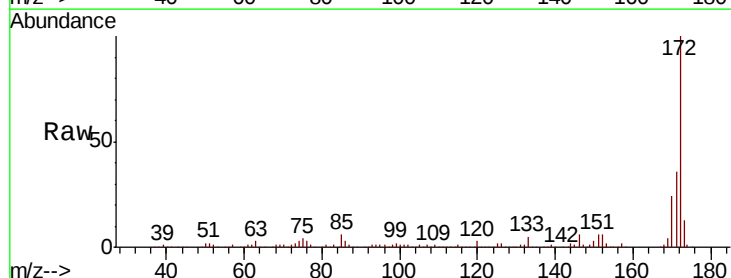
Instrument :
 BNA_F
 ClientSampled :

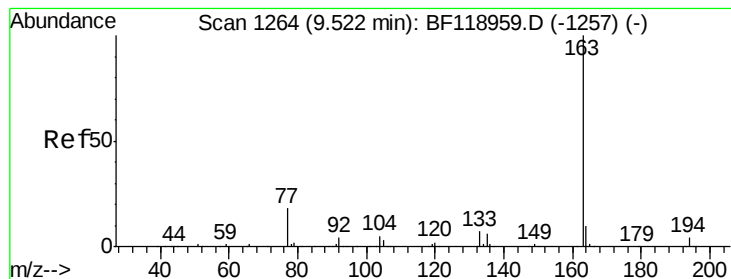
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.0	114.0
141	31.7	22.9	34.3



#45
 2-Fluorobiphenyl
 Concen: 63.612 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BF119205.D
 Acq: 4 Mar 2020 20:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	30.6	45.8
170	23.7	20.2	30.2





#50

Dimethylphthalate

Concen: 8.957 ng

RT: 9.49 min Scan# 1259

Delta R.T. -0.02 min

Lab File: BF119205.D

Acq: 4 Mar 2020 20:22

Instrument :

BNA_F

ClientSampleId :

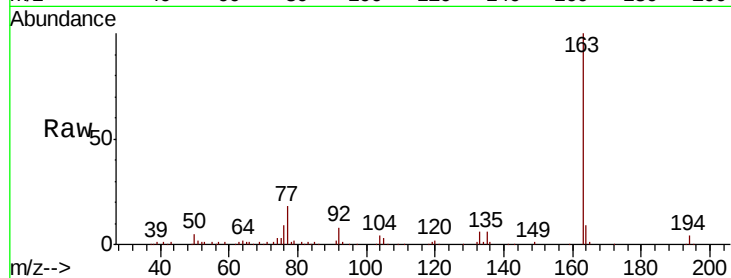
Tot Ion:163 Resp: 123887

Ion Ratio Lower Upper

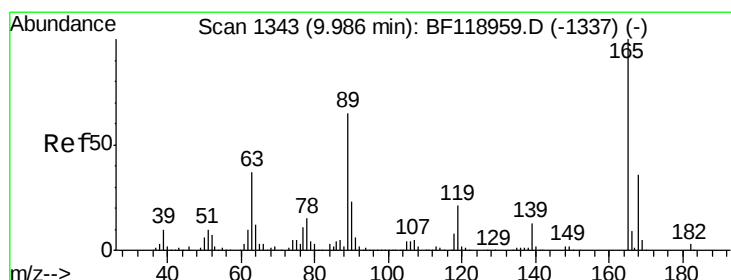
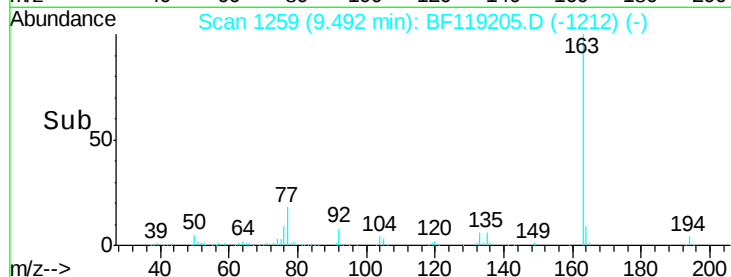
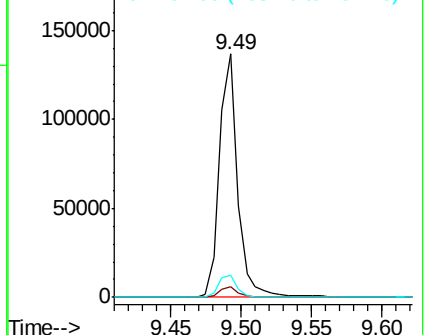
163 100

194 4.3 3.5 5.3

164 9.2 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: 5.917 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.21 min

Lab File: BF119205.D

Acq: 4 Mar 2020 20:22

Tgt Ion:165 Resp: 23566

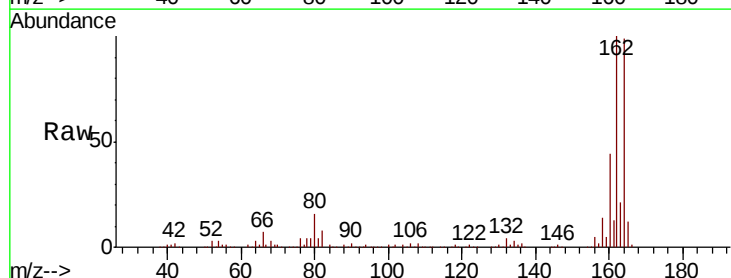
Ion Ratio Lower Upper

165 100

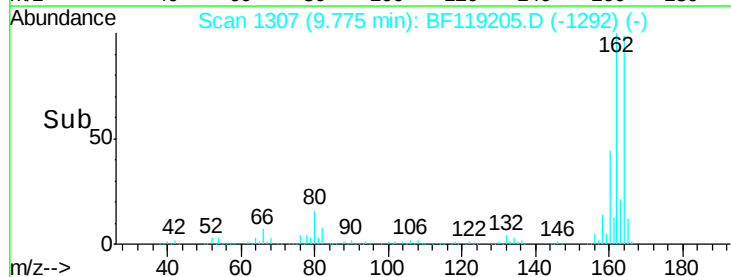
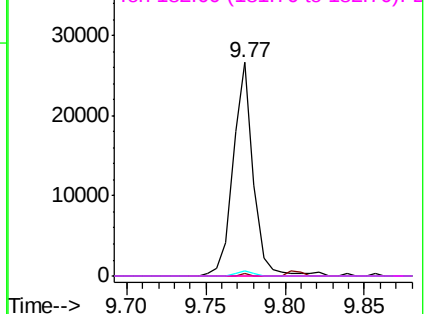
63 1.2 42.3 63.5#

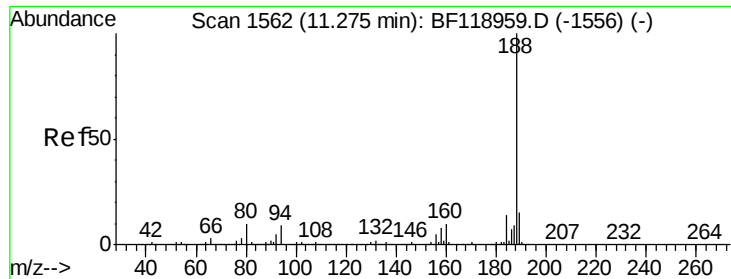
89 2.3 60.2 90.4#

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

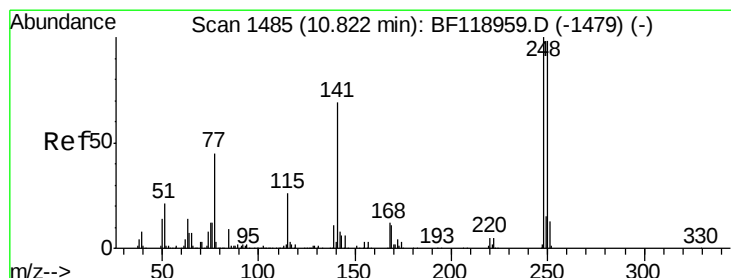
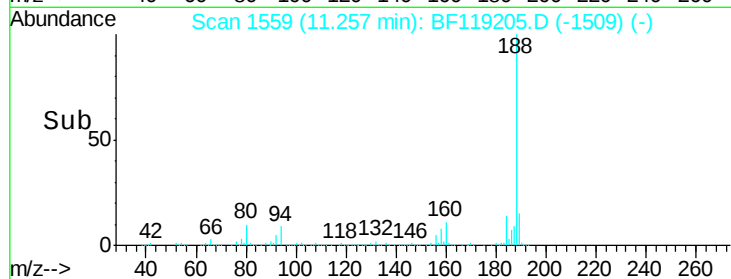
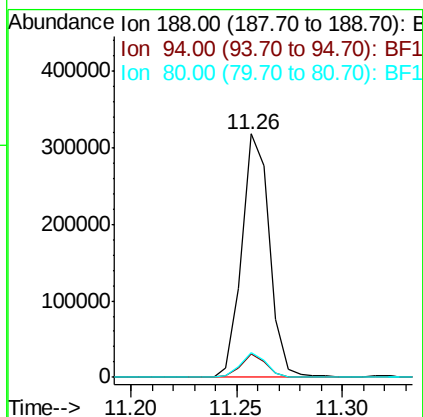
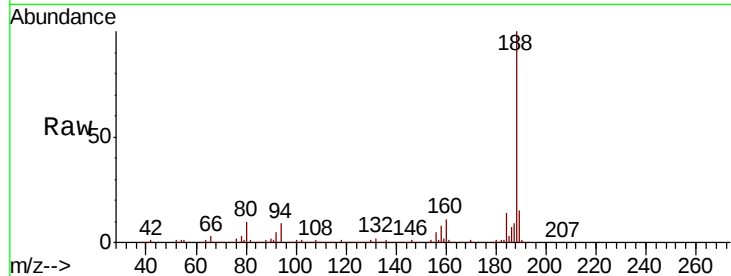




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF119205.D
Acq: 4 Mar 2020 20:22

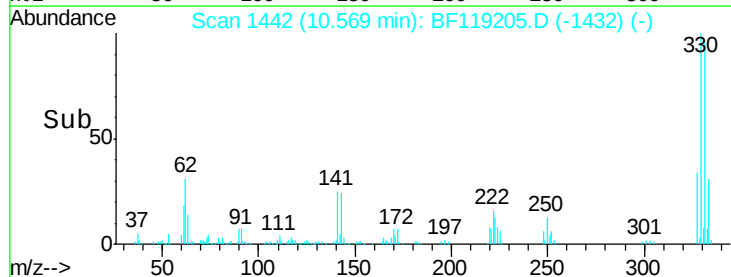
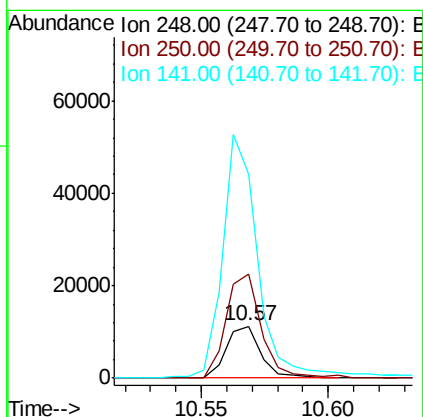
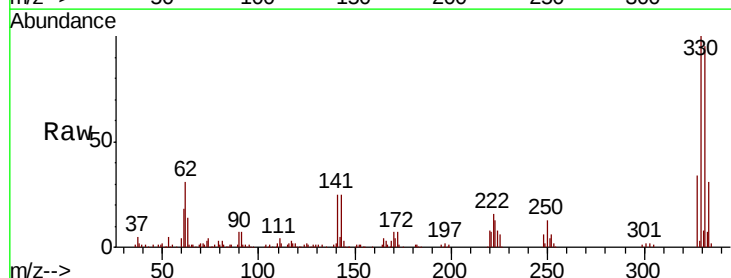
Instrument :
BNA_F
ClientSampleId :

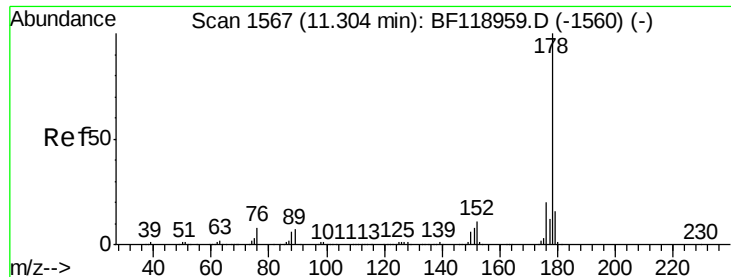
Tot Ion:188 Resp: 288726
Ion Ratio Lower Upper
188 100
94 9.4 7.1 10.7
80 10.0 7.8 11.8



#67
4-Bromophenyl-phenylether
Concen: 2.815 ng
RT: 10.57 min Scan# 1442
Delta R.T. -0.24 min
Lab File: BF119205.D
Acq: 4 Mar 2020 20:22

Tgt Ion:248 Resp: 10623
Ion Ratio Lower Upper
248 100
250 201.0 76.7 115.1#
141 394.7 60.7 91.1#





#71

Phenanthrene

Concen: 8.849 ng

RT: 11.28 min Scan# 1563

Delta R.T. -0.01 min

Lab File: BF119205.D

Acq: 4 Mar 2020 20:22

Instrument :

BNA_F

ClientSampleId :

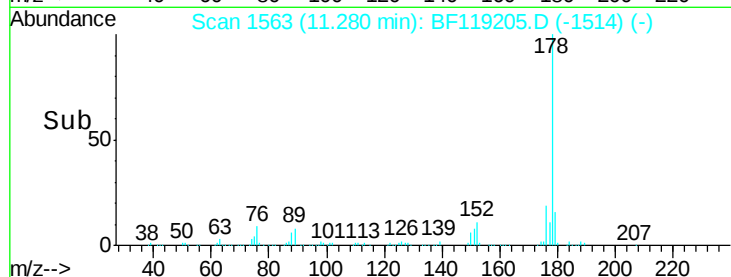
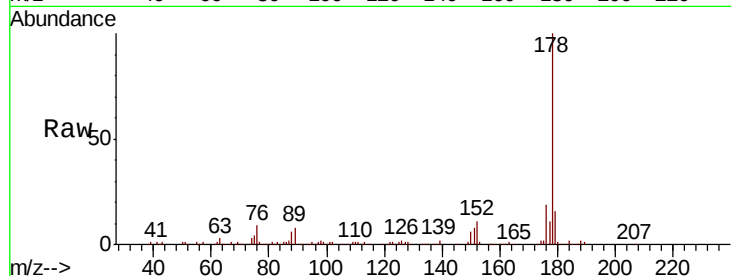
Tot Ion:178 Resp: 139332

Ion Ratio Lower Upper

178 100

176 18.8 16.5 24.7

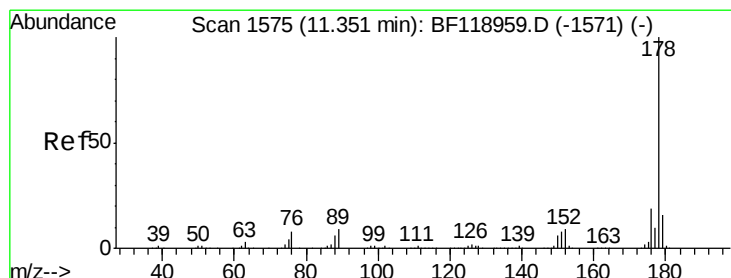
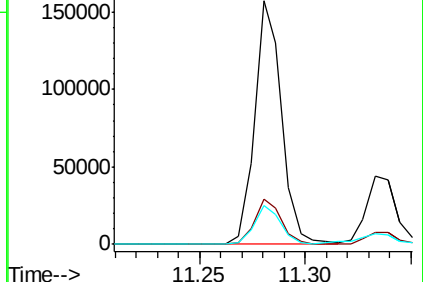
179 16.1 13.0 19.6



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: 2.646 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BF119205.D

Acq: 4 Mar 2020 20:22

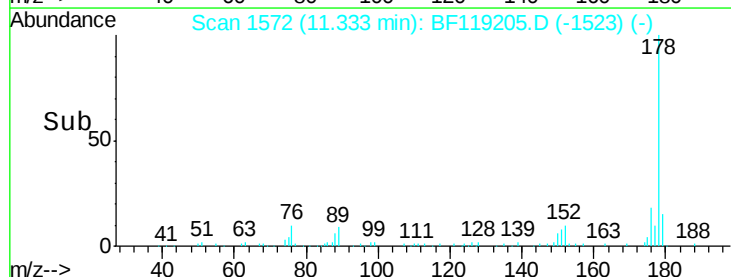
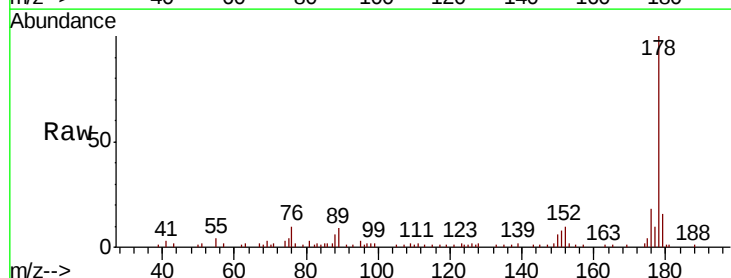
Tgt Ion:178 Resp: 41631

Ion Ratio Lower Upper

178 100

176 18.2 16.0 24.0

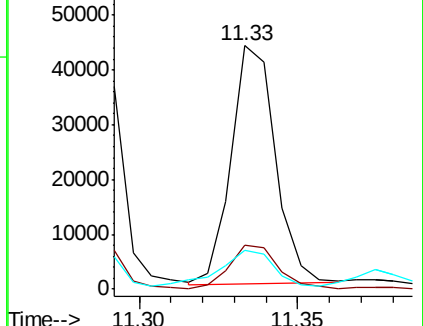
179 15.9 13.1 19.7

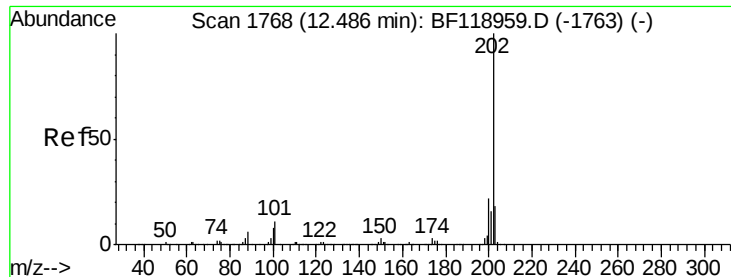


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 13.269 ng

RT: 12.47 min Scan# 1766

Delta R.T. -0.01 min

Lab File: BF119205.D

Acq: 4 Mar 2020 20:22

Instrument :

BNA_F

ClientSampleId :

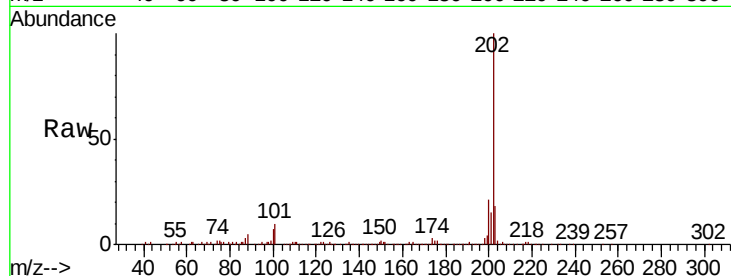
Tot Ion:202 Resp: 221779

Ion Ratio Lower Upper

202 100

101 9.5 0.0 30.3

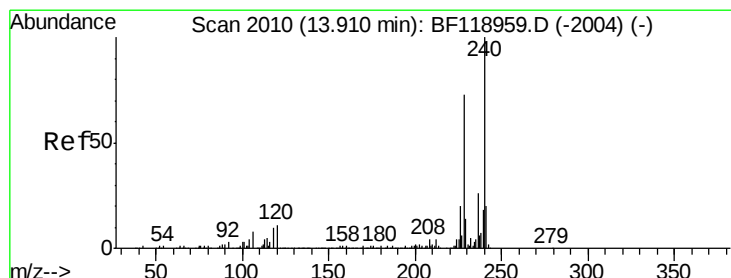
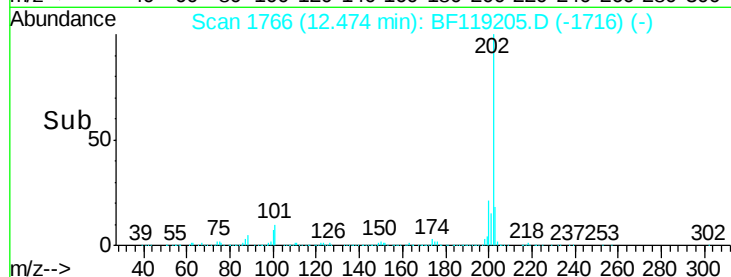
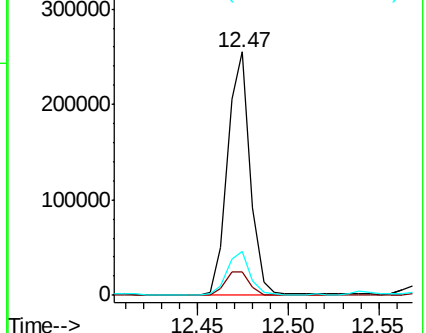
203 17.9 0.0 38.4



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: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF119205.D

Acq: 4 Mar 2020 20:22

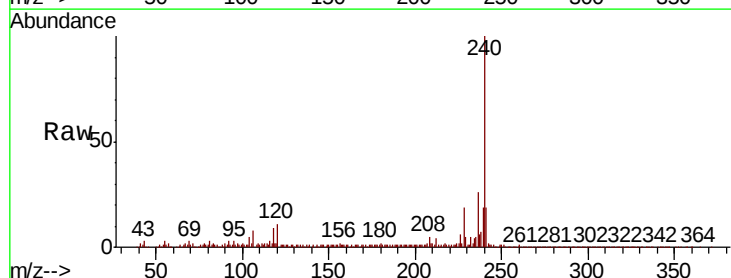
Tgt Ion:240 Resp: 250637

Ion Ratio Lower Upper

240 100

120 11.0 8.4 12.6

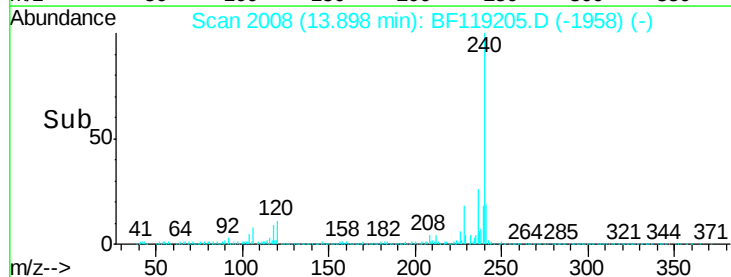
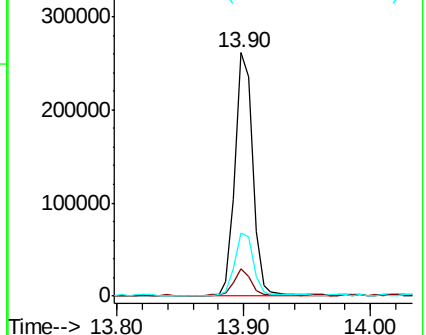
236 26.1 21.0 31.4

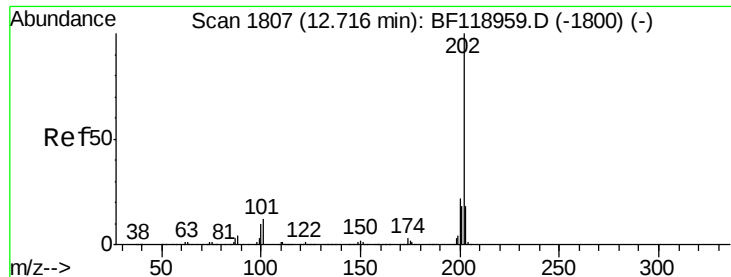


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

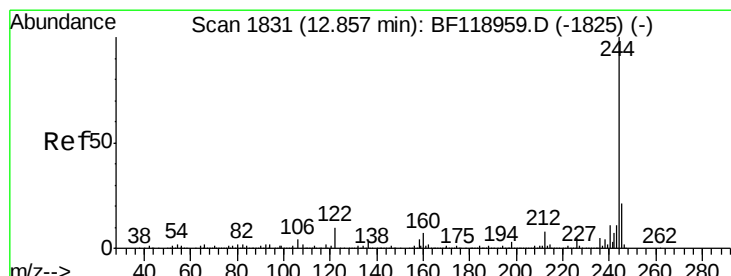
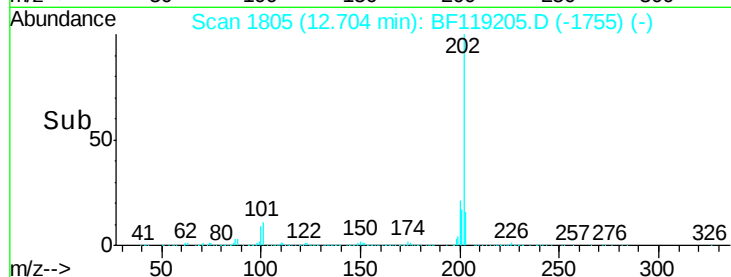
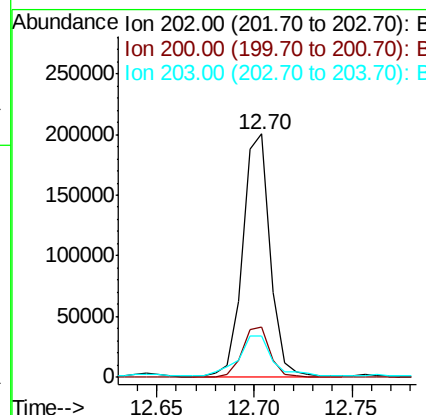
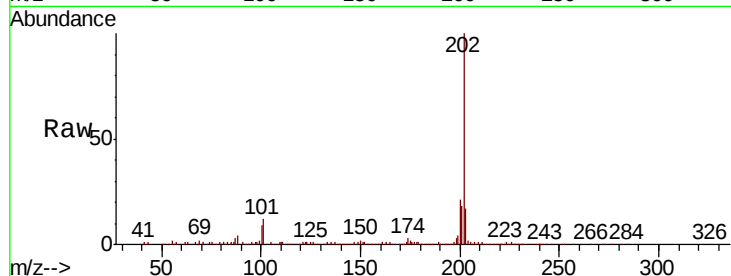




#78
Pvrene
Concen: 9.642 ng
RT: 12.70 min Scan# 1805
Delta R.T. -0.01 min
Lab File: BF119205.D
Acq: 4 Mar 2020 20:22

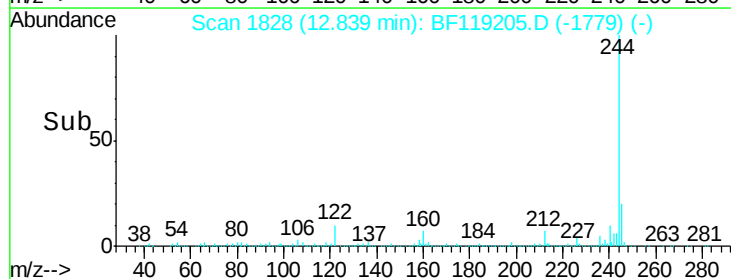
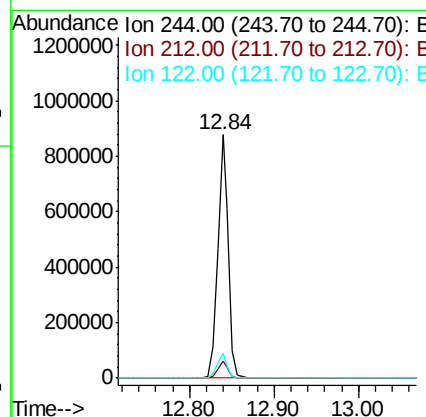
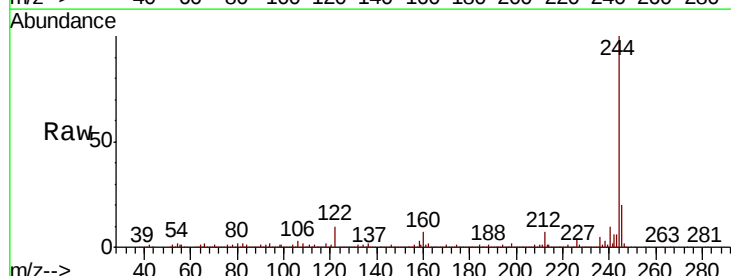
Instrument :
BNA_F
ClientSampled :

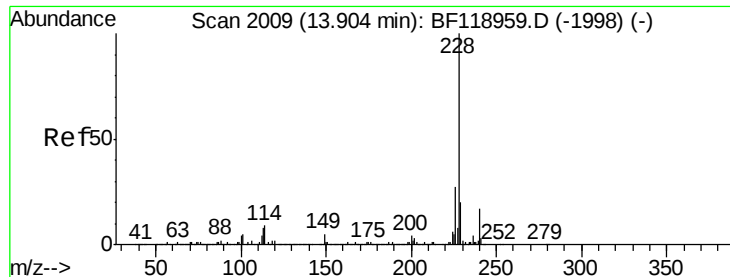
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.8	18.0	27.0
203	17.1	14.6	22.0



#79
Terphenyl-d14
Concen: 53.712 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BF119205.D
Acq: 4 Mar 2020 20:22

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.6	10.0
122	10.2	8.2	12.2

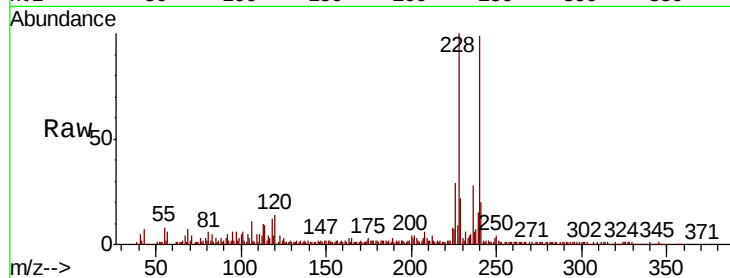




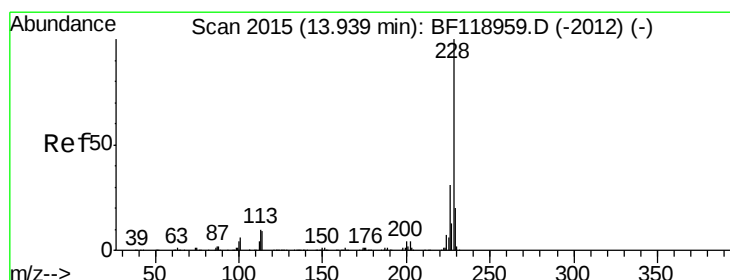
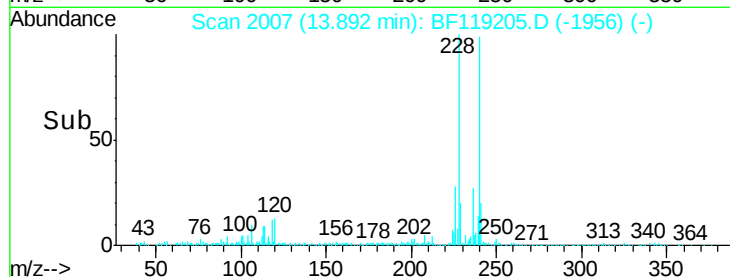
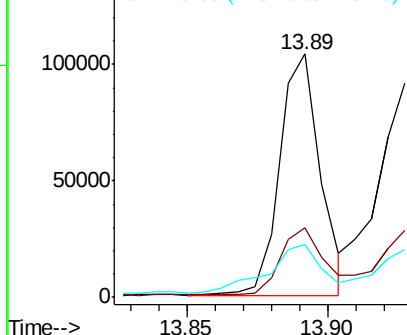
#81
Benzo(a)anthracene
Concen: 6.033 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.00 min
Lab File: BF119205.D
Acq: 4 Mar 2020 20:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 103022
Ion Ratio Lower Upper
228 100
226 28.8 22.6 33.8
229 21.6 16.6 24.8

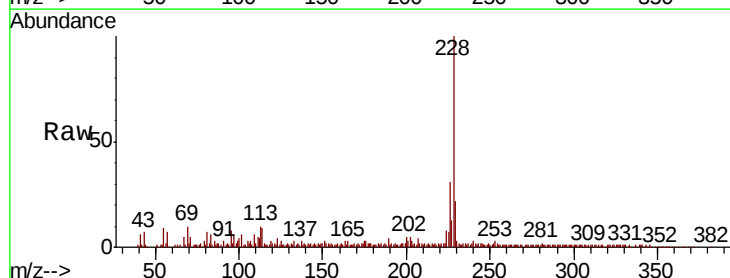


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

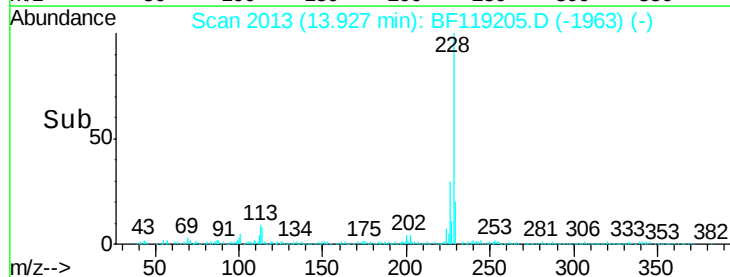
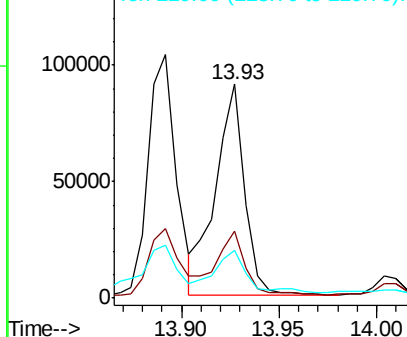


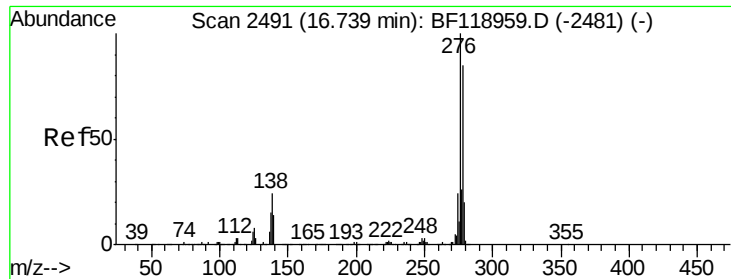
#83
Chrysene
Concen: 5.515 ng
RT: 13.93 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF119205.D
Acq: 4 Mar 2020 20:22

Tgt Ion:228 Resp: 93839
Ion Ratio Lower Upper
228 100
226 31.3 25.1 37.7
229 22.1 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

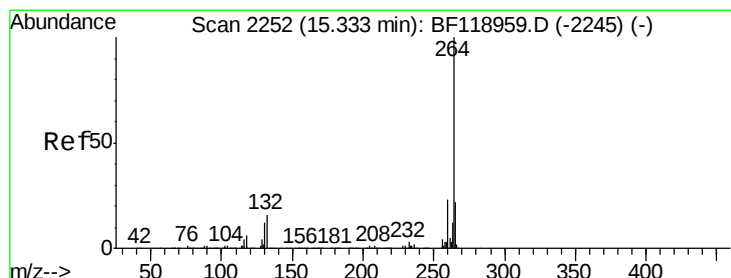
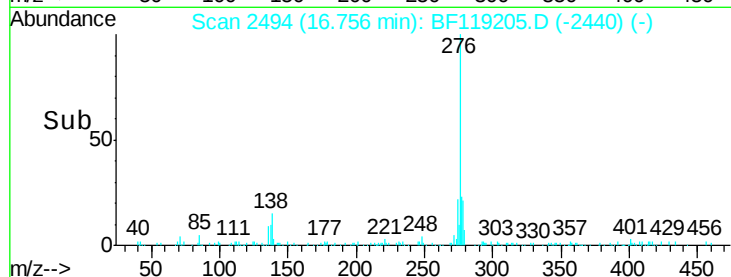
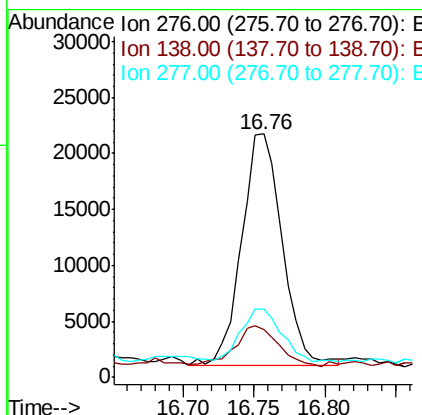
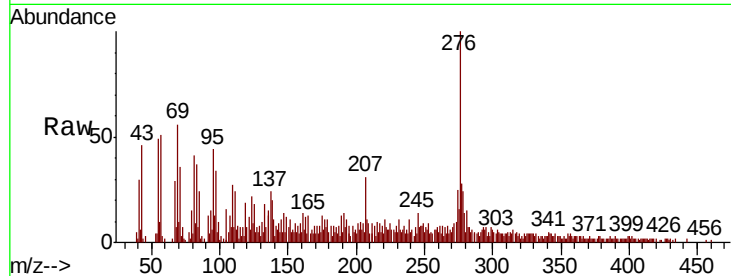




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.517 ng
 RT: 16.76 min Scan# 2494
 Delta R.T. 0.02 min
 Lab File: BF119205.D
 Acq: 4 Mar 2020 20:22

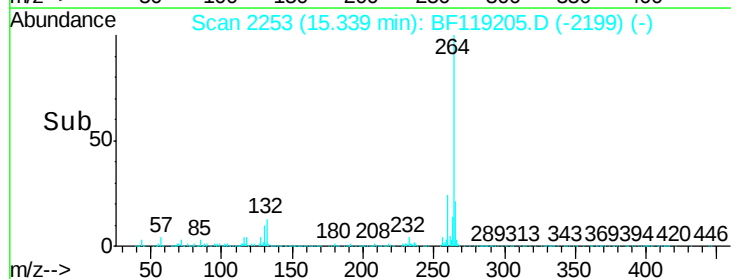
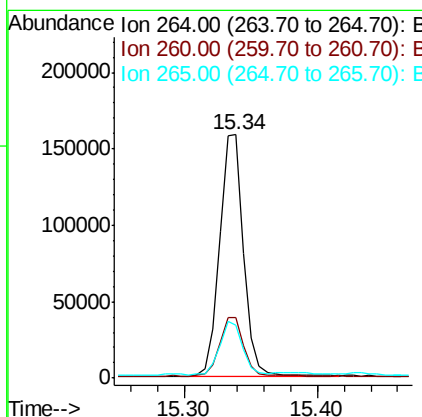
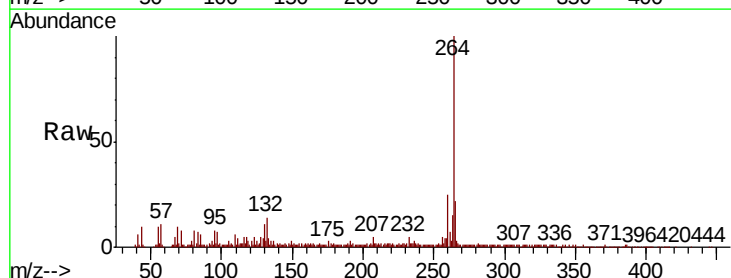
Instrument :
 BNA_F
 ClientSampleId :

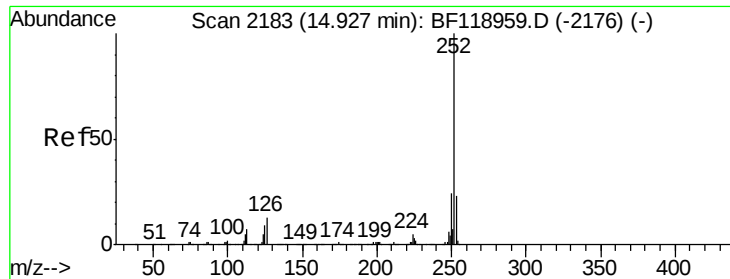
Tot Ion	Ratio	Lower	Upper
276	100		
138	18.9	17.4	26.0
277	22.4	20.3	30.5



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.34 min Scan# 2253
 Delta R.T. 0.02 min
 Lab File: BF119205.D
 Acq: 4 Mar 2020 20:22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.4	29.2
265	21.6	17.7	26.5

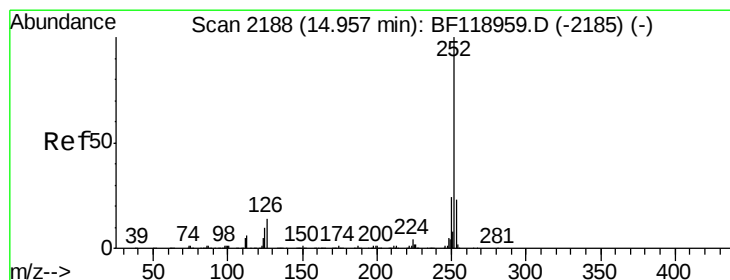
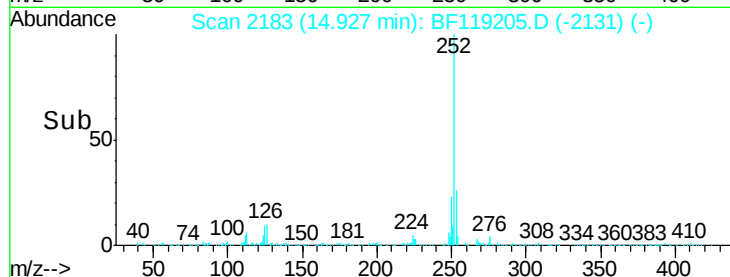
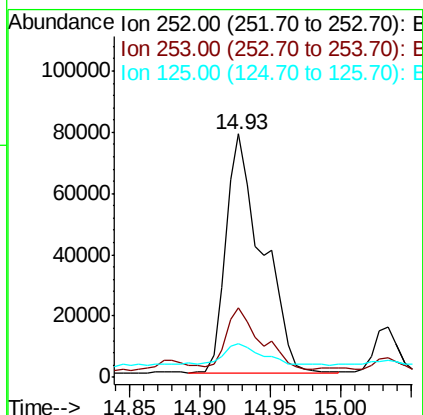
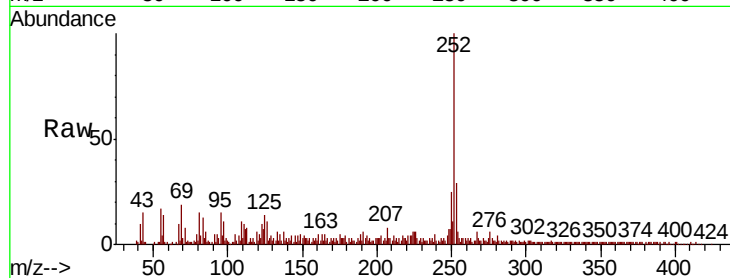




#88
Benzo(b)fluoranthene
Concen: 10.565 ng
RT: 14.93 min Scan# 2183
Delta R.T. 0.01 min
Lab File: BF119205.D
Acq: 4 Mar 2020 20:22

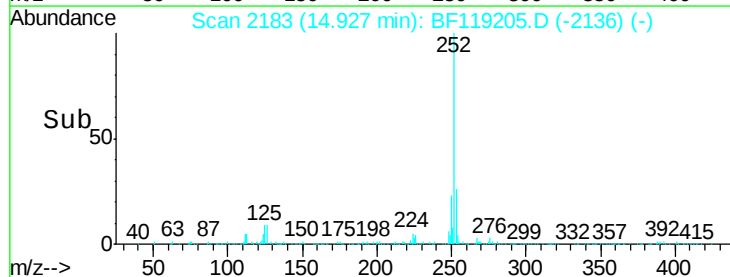
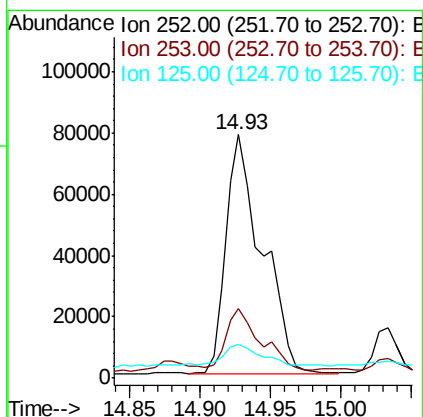
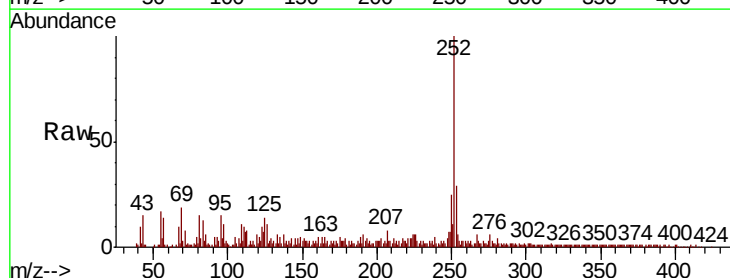
Instrument :
BNA_F
ClientSampled :

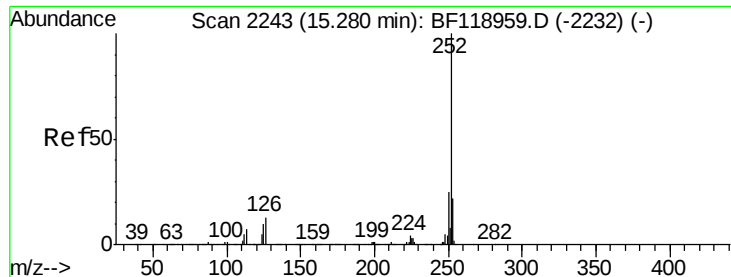
Tot Ion	Ratio	Lower	Upper
252	100		
253	28.8	18.1	27.1#
125	13.9	7.4	11.0#



#89
Benzo(k)fluoranthene
Concen: 11.400 ng
RT: 14.93 min Scan# 2183
Delta R.T. -0.02 min
Lab File: BF119205.D
Acq: 4 Mar 2020 20:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.8	17.8	26.8#
125	13.9	7.5	11.3#

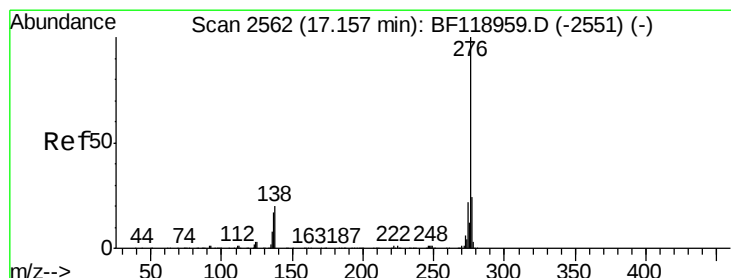
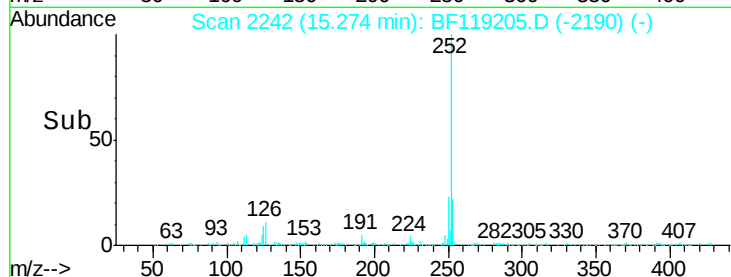
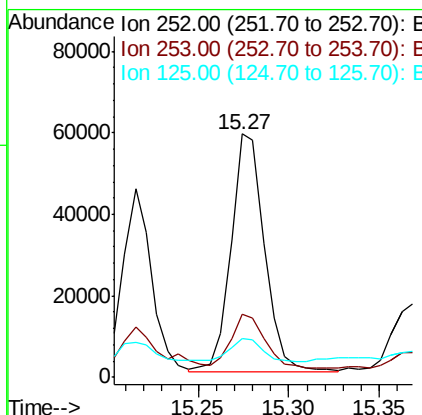
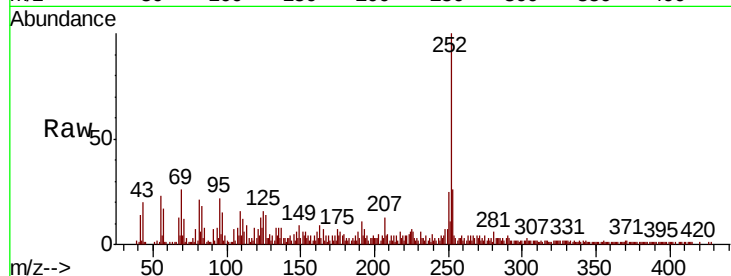




#90
Benzo(a)pyrene
Concen: 6.198 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF119205.D
Acq: 4 Mar 2020 20:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 74453
Ion Ratio Lower Upper
252 100
253 26.0 18.0 27.0
125 16.1 8.6 12.8#



#92
Benzo(g,h,i)perylene
Concen: 3.855 ng
RT: 17.19 min Scan# 2567
Delta R.T. 0.03 min
Lab File: BF119205.D
Acq: 4 Mar 2020 20:22

Tgt Ion:276 Resp: 40254
Ion Ratio Lower Upper
276 100
277 28.5 18.7 28.1#
138 22.7 14.3 21.5#

