

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022120\
 Data File : BF118992.D
 Acq On : 21 Feb 2020 14:54
 Operator : CG/JU
 Sample : L1551-01RE 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 21 15:51:49 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 20 17:40:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	190605	20.00	ng	-0.01
21) Naphthalene-d8	8.03	136	715414	20.00	ng	-0.01
39) Acenaphthene-d10	9.79	164	356102	20.00	ng	0.00
64) Phenanthrene-d10	11.27	188	555435	20.00	ng	0.00
76) Chrysene-d12	13.90	240	406448	20.00	ng	0.00
87) Perylene-d12	15.33	264	423386	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.37	112	164945	14.46	ng	0.00
7) Phenol-d6	6.39	99	629374	45.37	ng	-0.01
23) Nitrobenzene-d5	7.31	82	440321	32.50	ng	-0.02
42) 2,4,6-Tribromophenol	10.57	330	13443	2.89	ng	0.00
45) 2-Fluorobiphenyl	9.11	172	894456	37.00	ng	-0.01
79) Terphenyl-d14	12.85	244	752732	31.88	ng	0.00

Target Compounds

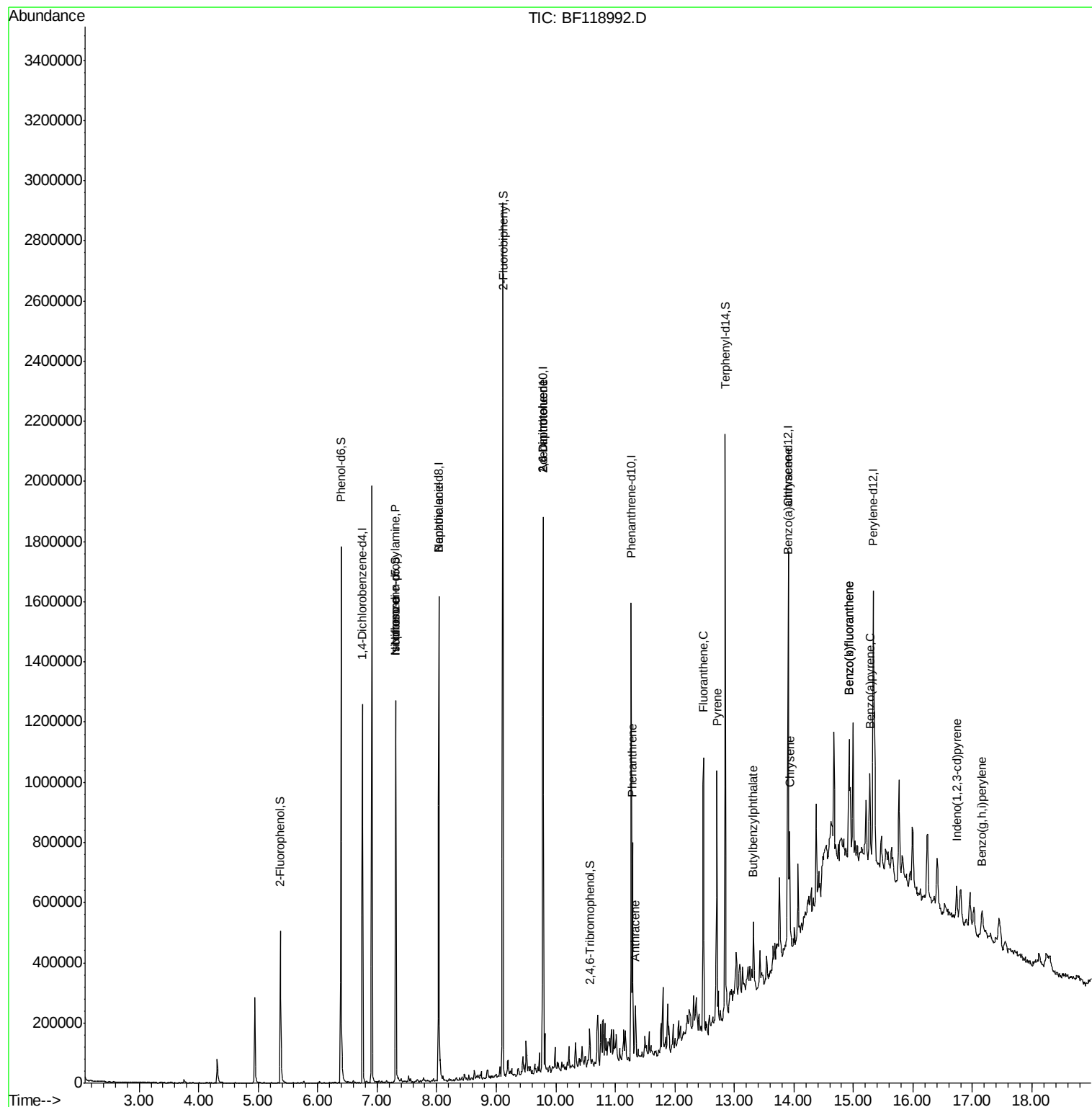
						Qvalue
19) n-Nitroso-di-n-propylamine	7.31	70	59036	7.304	ng	# 78
25) Isophorone	7.31	82	440317	18.712	ng	# 63
32) Benzoic acid	8.03	122	119	6.695	ng	# 1
51) 2,6-Dinitrotoluene	9.79	165	48119	7.954	ng	# 30
57) 2,4-Dinitrotoluene	9.79	165	48119	6.136	ng	# 29
71) Phenanthrene	11.29	178	265489	8.765	ng	98
72) Anthracene	11.34	178	69961	2.312	ng	98
75) Fluoranthene	12.48	202	386877	12.032	ng	98
78) Pyrene	12.70	202	343216	10.516	ng	99
80) Butylbenzylphthalate	13.32	149	50894	3.705	ng	97
81) Benzo(a)anthracene	13.89	228	171670	6.199	ng	98
83) Chrysene	13.93	228	152089	5.512	ng	97
86) Indeno(1,2,3-cd)pyrene	16.73	276	70598	2.642	ng	96
88) Benzo(b)fluoranthene	14.93	252	254692	9.126	ng	# 95
89) Benzo(k)fluoranthene	14.93	252	254692	9.848	ng	# 94
90) Benzo(a)pyrene	15.27	252	132883	5.276	ng	# 94
92) Benzo(a,h,i)perylene	17.16	276	68704	3.138	ng	98

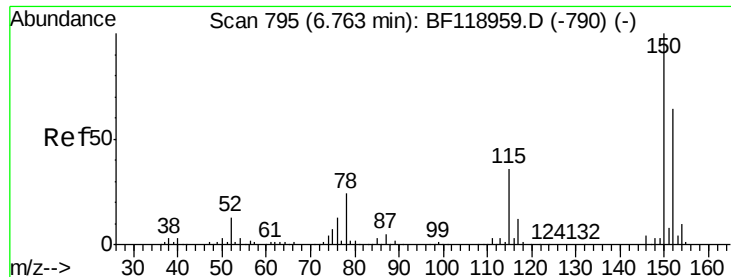
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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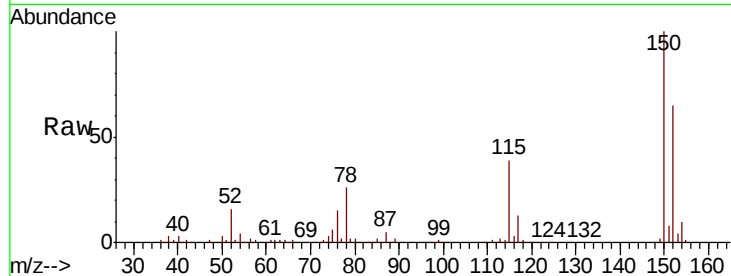


#1

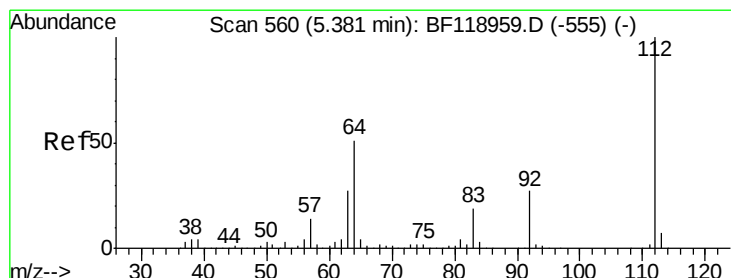
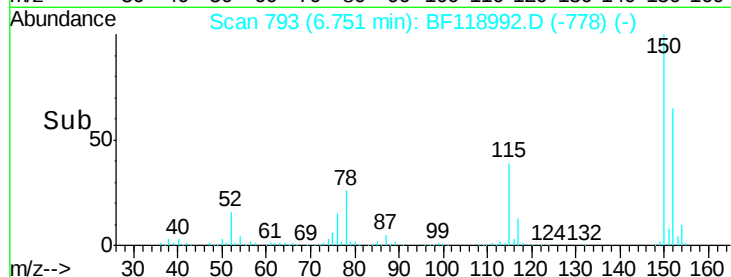
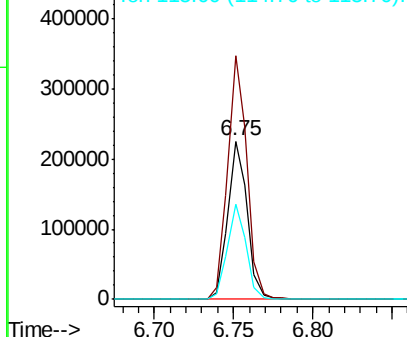
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF118992.D
Acq: 21 Feb 2020 14:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 190605
Ion Ratio Lower Upper
152 100
150 153.9 124.3 186.5
115 60.2 44.6 67.0



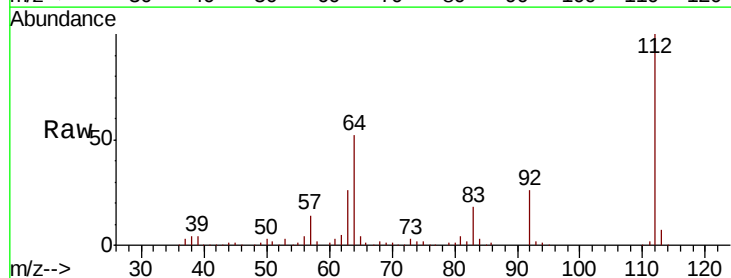
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



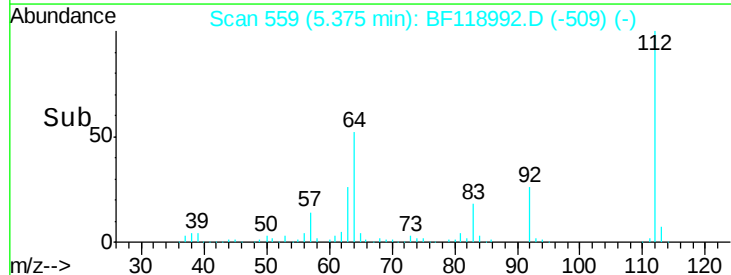
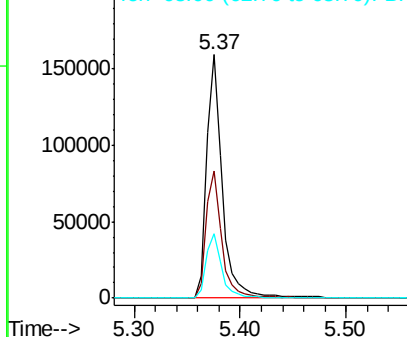
#5

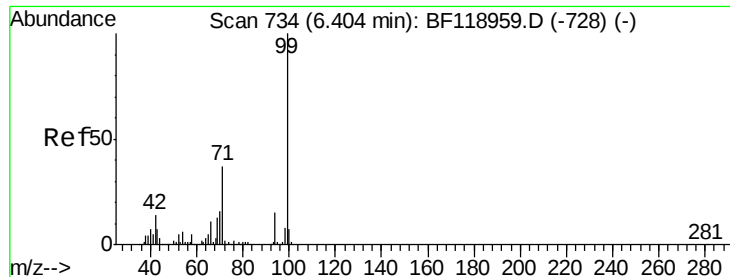
2-Fluorophenol
Concen: 14.462 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF118992.D
Acq: 21 Feb 2020 14:54

Tgt Ion:112 Resp: 164945
Ion Ratio Lower Upper
112 100
64 52.2 40.4 60.6
63 26.3 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: 45.373 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF118992.D

Acq: 21 Feb 2020 14:54

Instrument :

BNA_F

ClientSampleId :

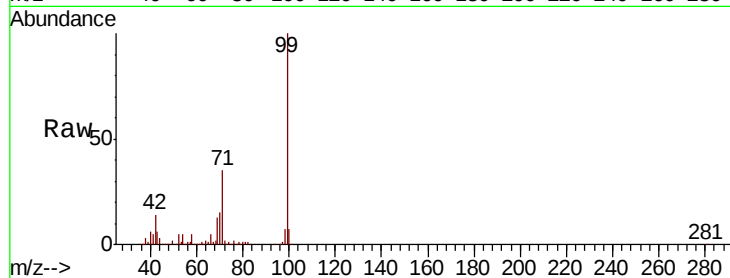
Tot Ion: 99 Resp: 629374

Ion Ratio Lower Upper

99 100

42 13.6 11.4 17.0

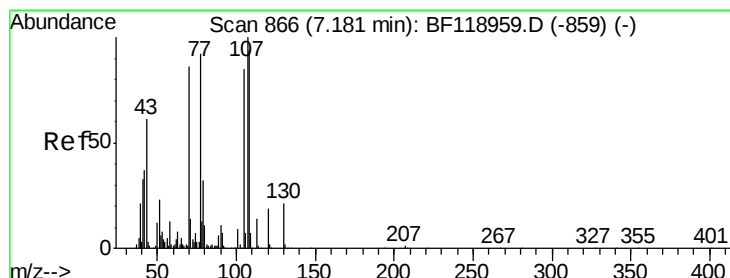
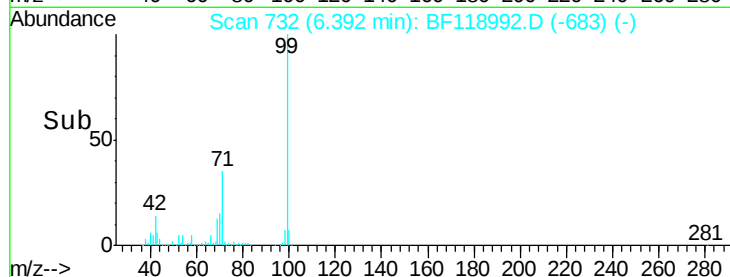
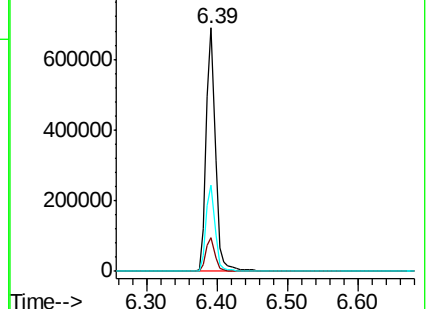
71 35.4 29.8 44.6



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: 7.304 ng

RT: 7.31 min Scan# 888

Delta R.T. 0.13 min

Lab File: BF118992.D

Acq: 21 Feb 2020 14:54

Tgt Ion: 70 Resp: 59036

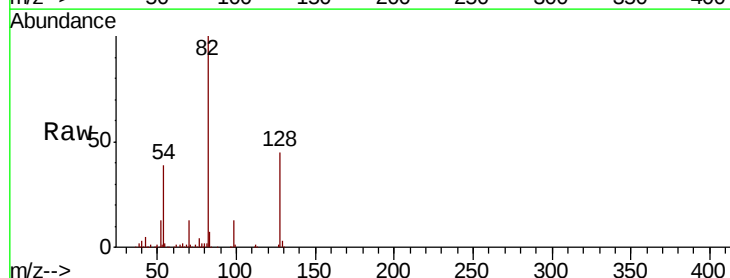
Ion Ratio Lower Upper

70 100

42 38.2 34.6 51.8

101 0.0 8.1 12.1#

130 2.3 19.4 29.2#

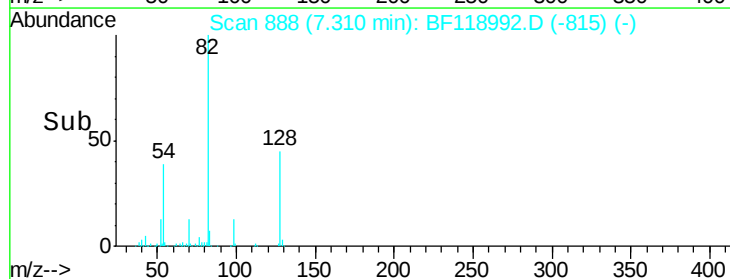
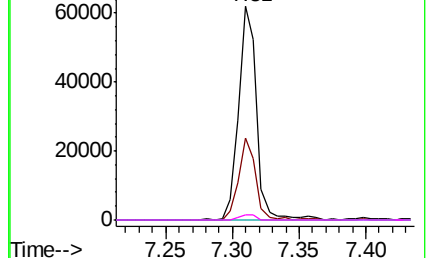


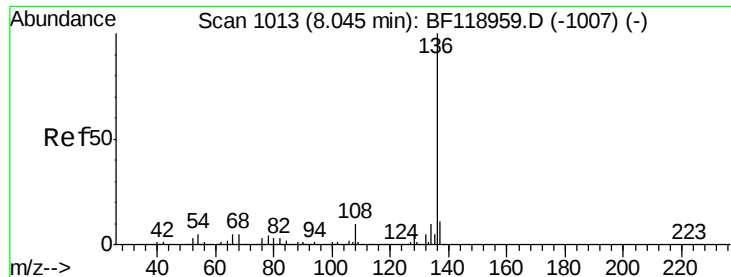
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.03 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF118992.D

Acq: 21 Feb 2020 14:54

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 715414

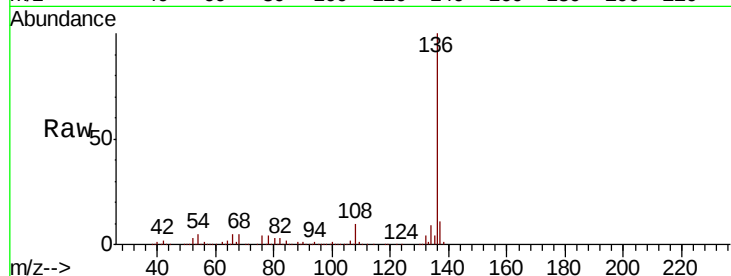
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 5.0 3.8 5.6

68 5.3 4.2 6.2

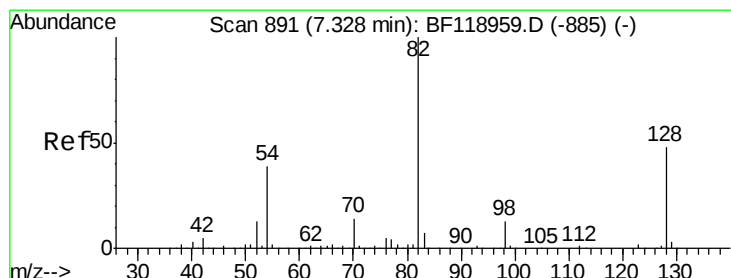
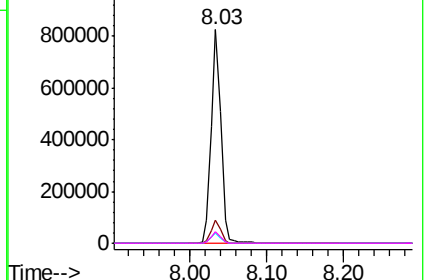
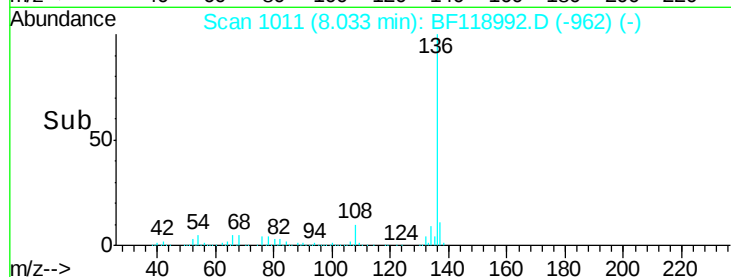


Abundance Ion 136.00 (135.70 to 136.70): E

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: 32.497 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.02 min

Lab File: BF118992.D

Acq: 21 Feb 2020 14:54

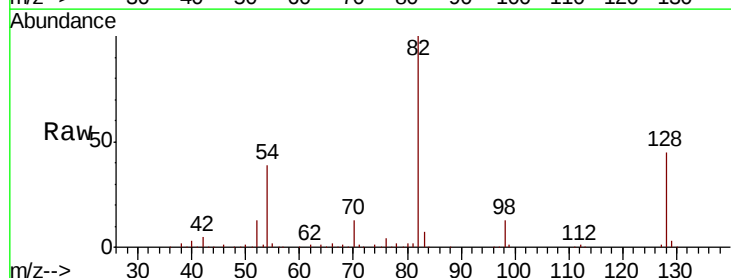
Tgt Ion: 82 Resp: 440321

Ion Ratio Lower Upper

82 100

128 45.2 38.2 57.2

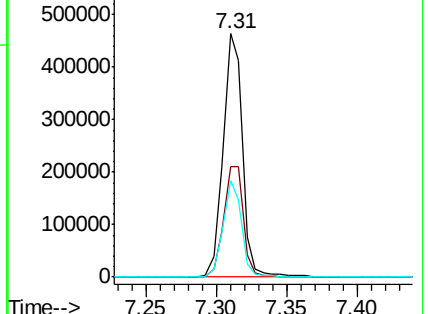
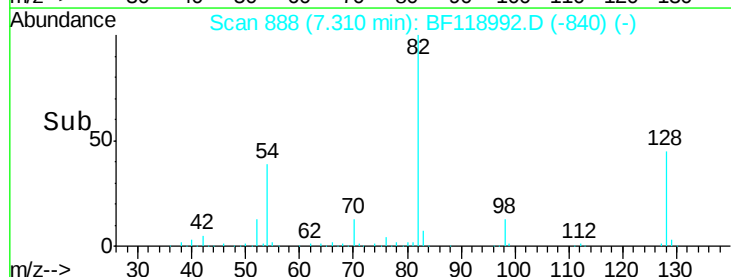
54 39.5 31.3 46.9

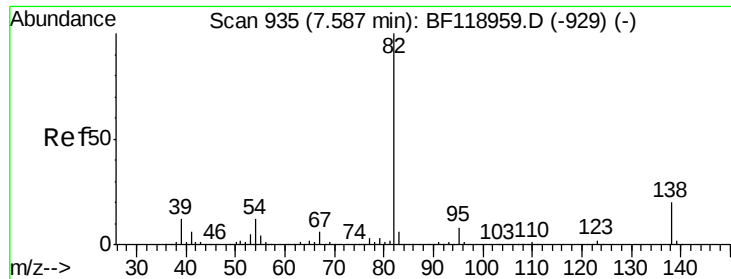


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

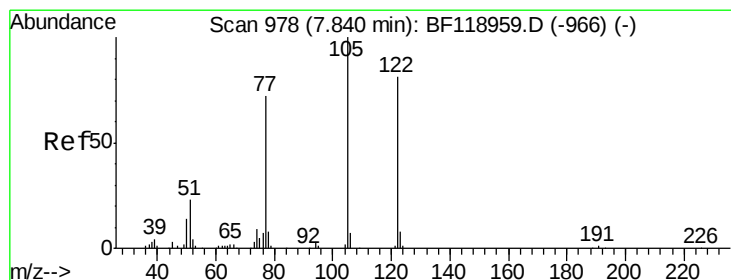
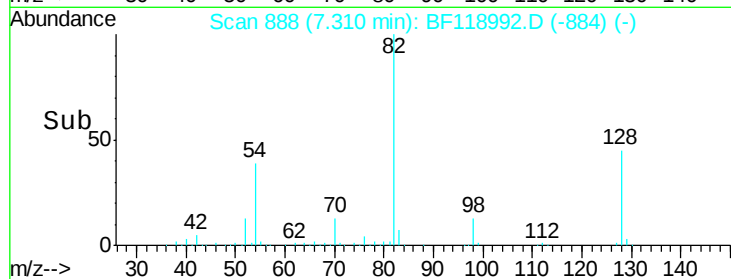
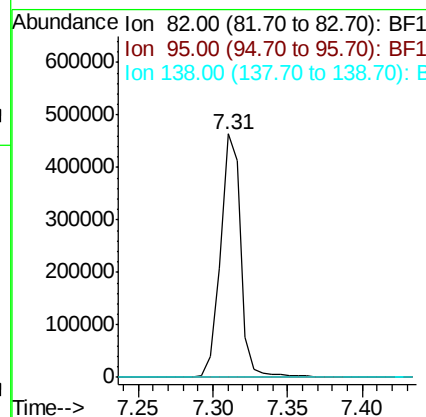
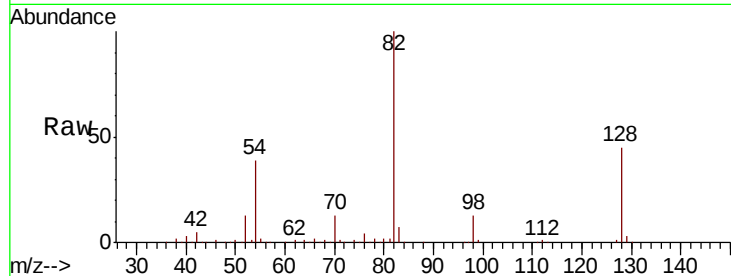




#25
Isophorone
Concen: 18.712 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.28 min
Lab File: BF118992.D
Acq: 21 Feb 2020 14:54

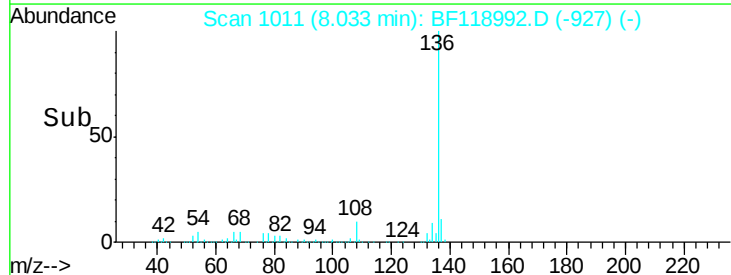
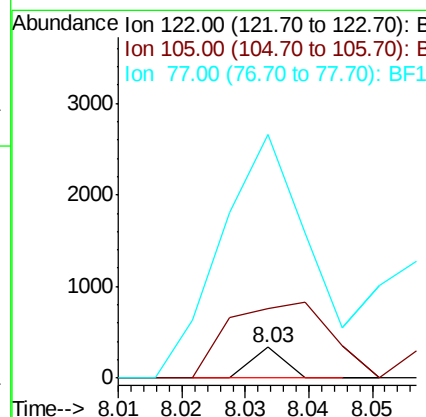
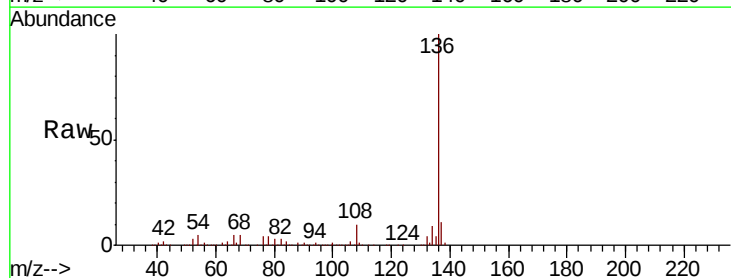
Instrument :
BNA_F
ClientSampleId :

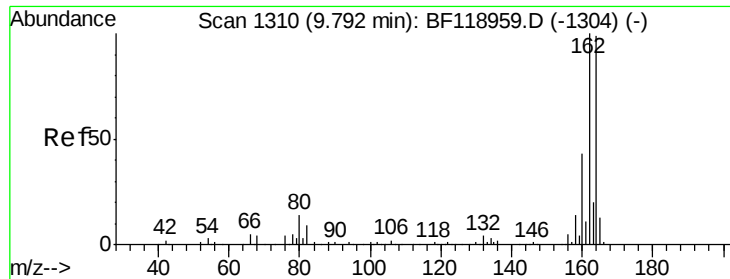
Tot Ion: 82 Resp: 440317
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.8 23.6#



#32
Benzoic acid
Concen: 6.695 ng
RT: 8.03 min Scan# 1011
Delta R.T. 0.19 min
Lab File: BF118992.D
Acq: 21 Feb 2020 14:54

Tgt Ion:122 Resp: 119
Ion Ratio Lower Upper
122 100
105 225.5 102.2 142.2#
77 789.0 68.6 108.6#

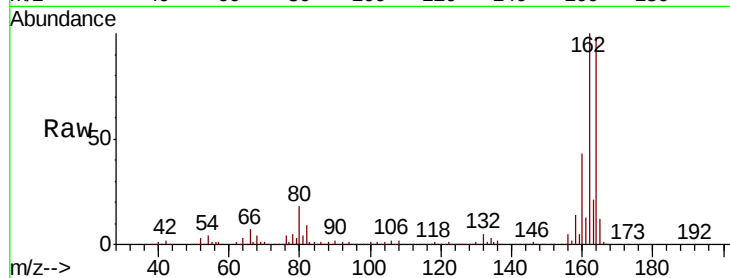




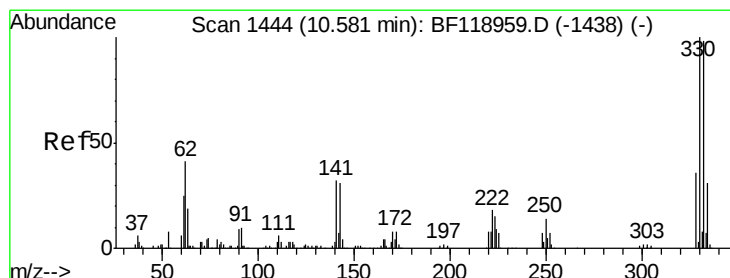
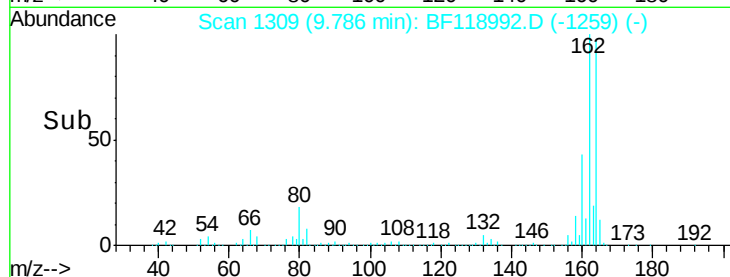
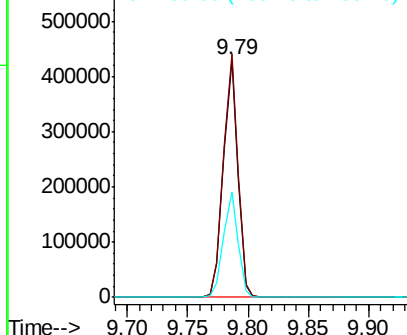
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.79 min Scan# 1309
 Delta R.T. -0.01 min
 Lab File: BF118992.D
 Acq: 21 Feb 2020 14:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 356102
 Ion Ratio Lower Upper
 164 100
 162 102.5 81.2 121.8
 160 44.4 35.2 52.8

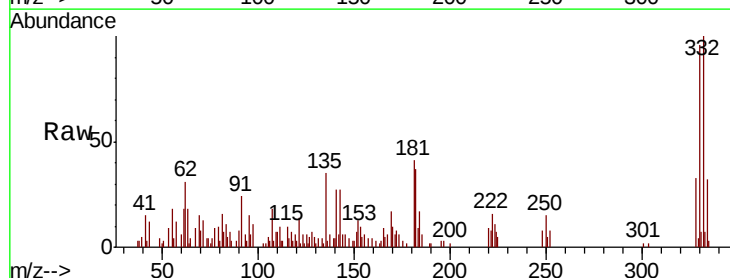


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

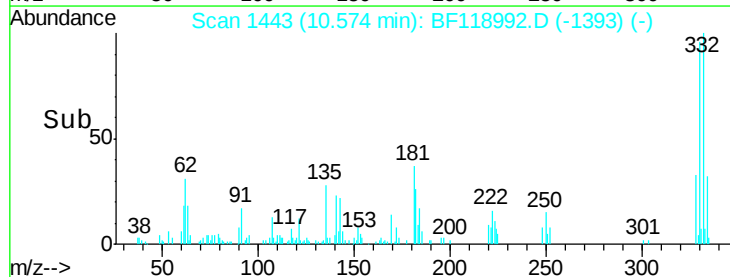
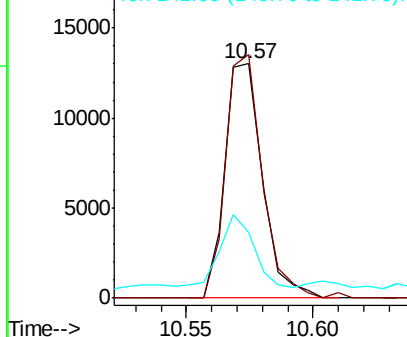


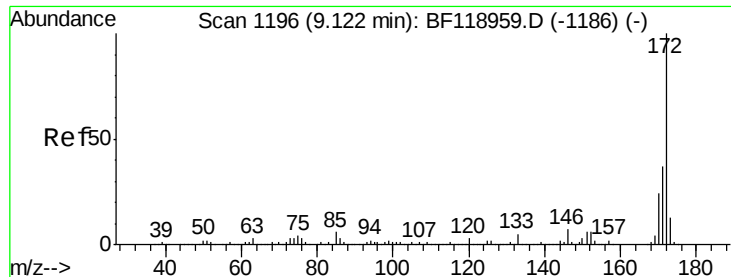
#42
 2,4,6-Tribromophenol
 Concen: 2.886 ng
 RT: 10.57 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: BF118992.D
 Acq: 21 Feb 2020 14:54

Tgt Ion:330 Resp: 13443
 Ion Ratio Lower Upper
 330 100
 332 101.5 77.1 115.7
 141 27.1 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

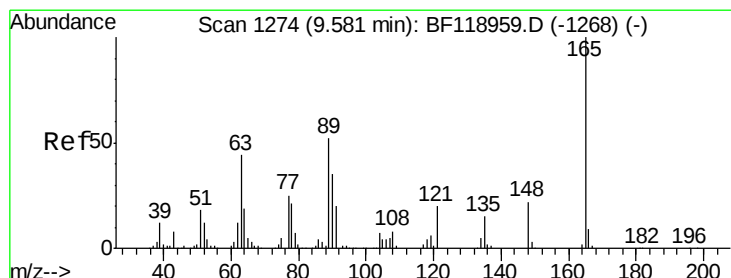
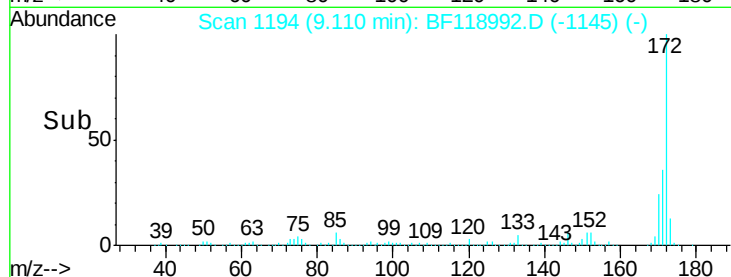
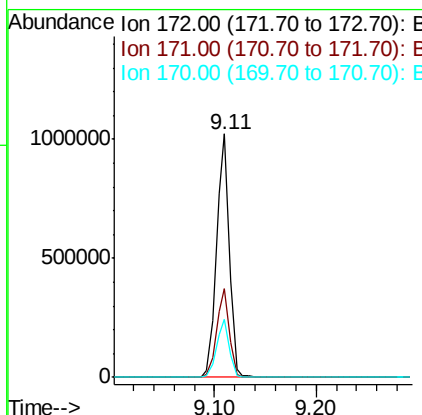
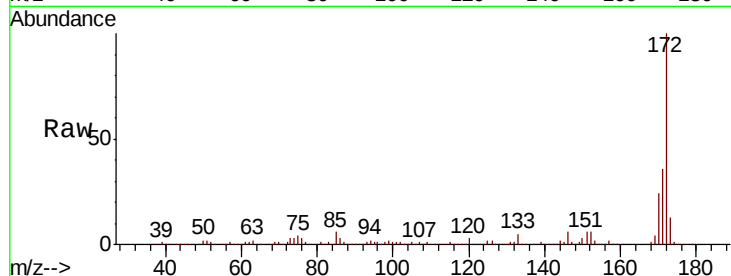




#45
2-Fluorobiphenyl
Concen: 37.003 ng
RT: 9.11 min Scan# 1194
Delta R.T. -0.01 min
Lab File: BF118992.D
Acq: 21 Feb 2020 14:54

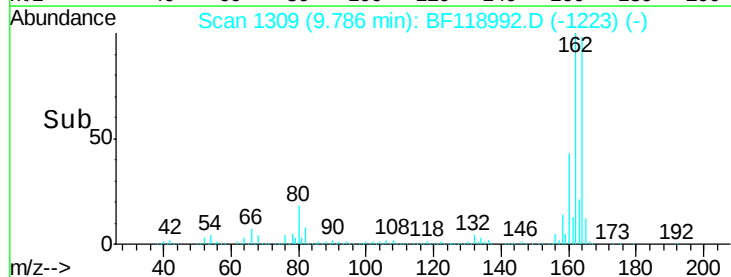
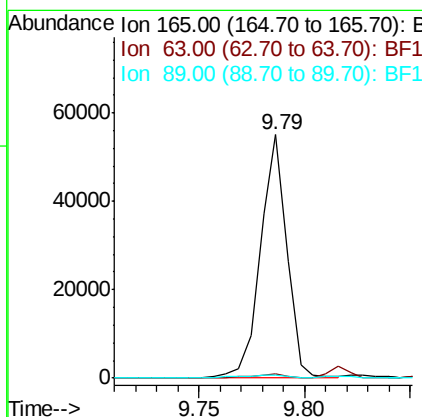
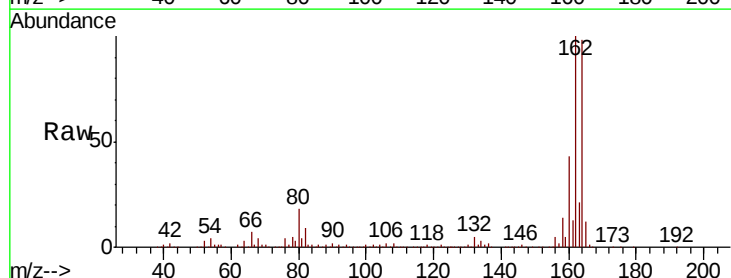
Instrument :
BNA_F
ClientSampleId :

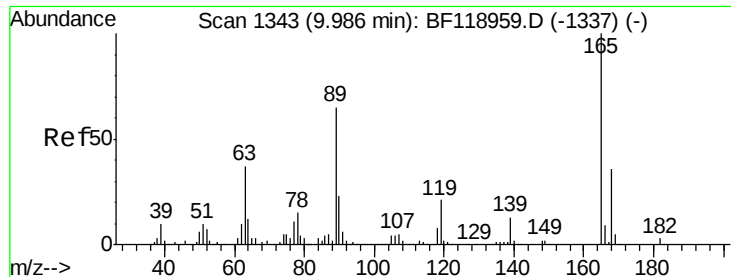
Tot Ion:172 Resp: 894456
Ion Ratio Lower Upper
172 100
171 36.3 29.4 44.2
170 23.7 19.6 29.4



#51
2,6-Dinitrotoluene
Concen: 7.954 ng
RT: 9.79 min Scan# 1309
Delta R.T. 0.21 min
Lab File: BF118992.D
Acq: 21 Feb 2020 14:54

Tgt Ion:165 Resp: 48119
Ion Ratio Lower Upper
165 100
63 1.6 37.9 56.9#
89 1.4 41.4 62.0#

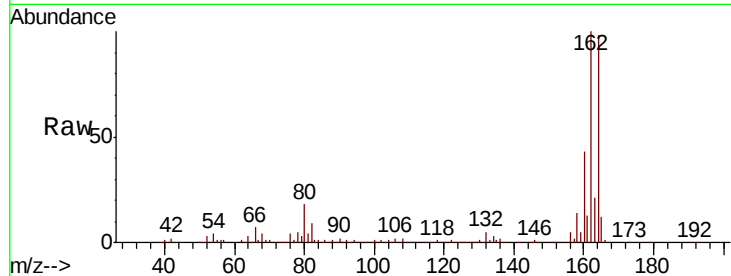




#57
 2,4-Dinitrotoluene
 Concen: 6.136 ng
 RT: 9.79 min Scan# 1309
 Delta R.T. -0.20 min
 Lab File: BF118992.D
 Acq: 21 Feb 2020 14:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	29.8	44.8#
89	1.4	51.9	77.9#
182	0.0	2.3	3.5#

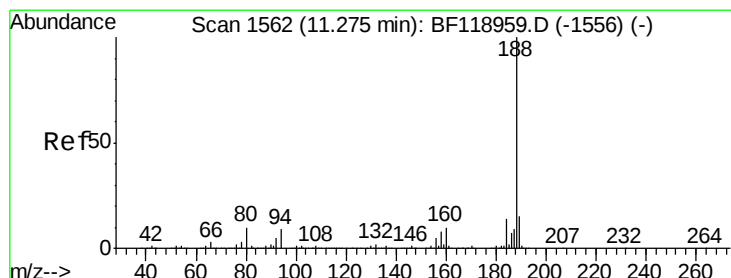
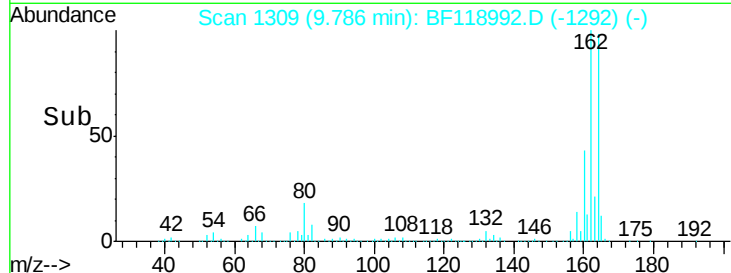
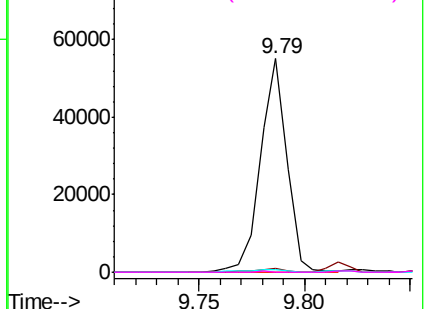


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

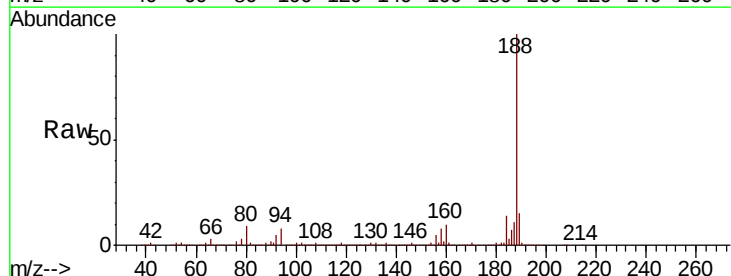
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.27 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: BF118992.D
 Acq: 21 Feb 2020 14:54

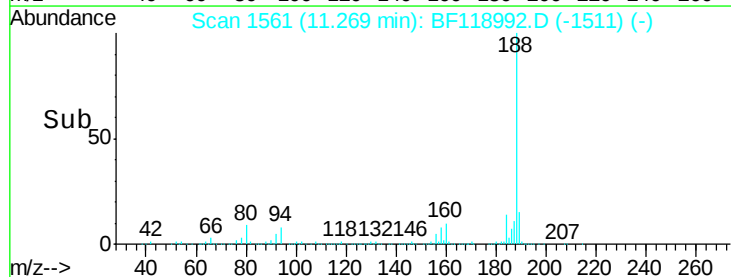
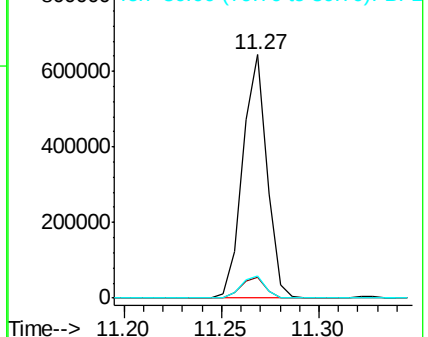
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.4	7.0	10.6
80	8.9	7.9	11.9

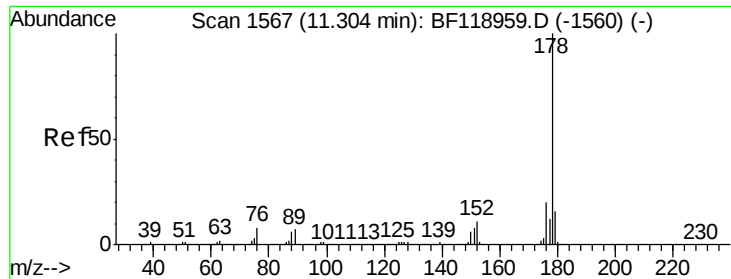


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

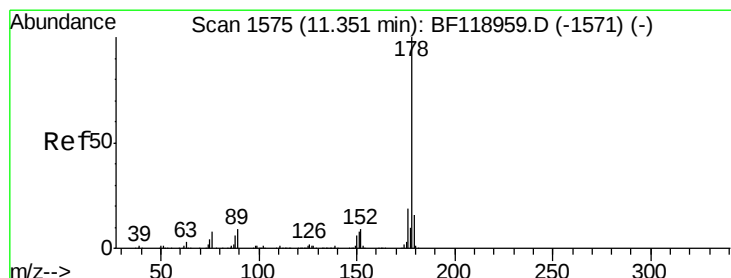
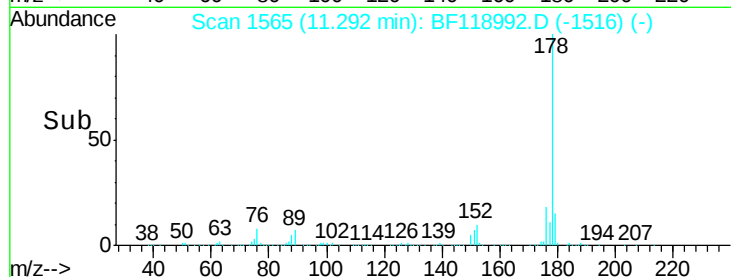
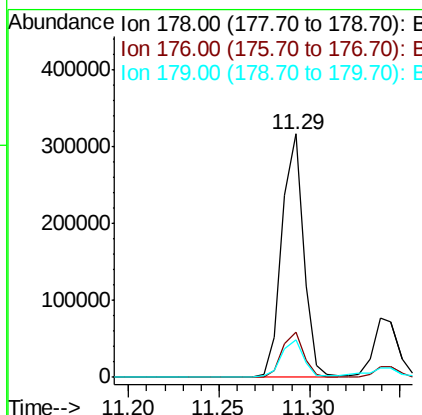
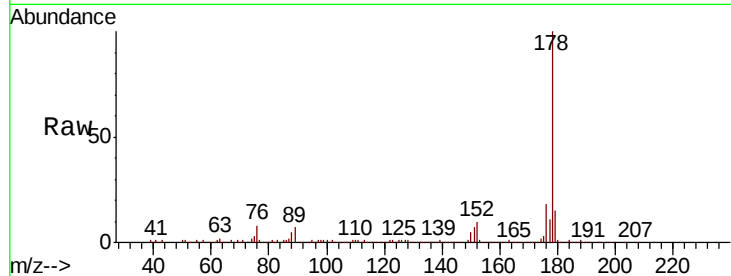




#71
Phenanthrene
Concen: 8.765 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF118992.D
Acq: 21 Feb 2020 14:54

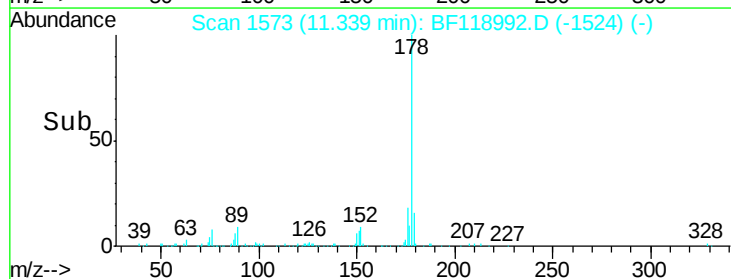
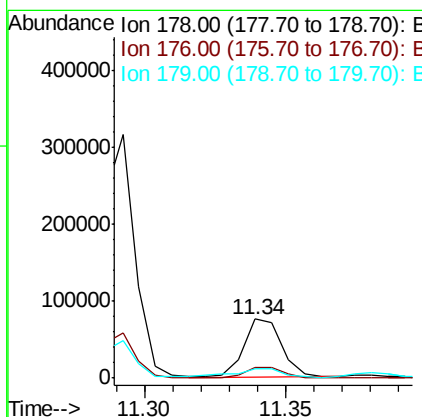
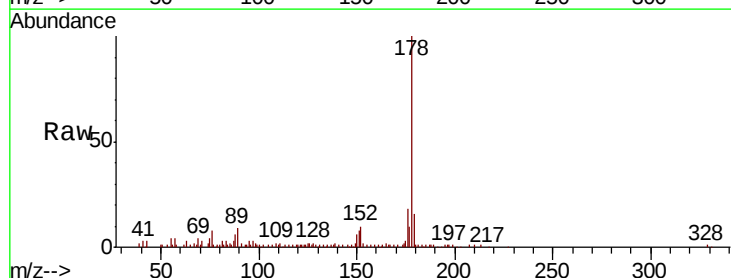
Instrument :
BNA_F
ClientSampleId :

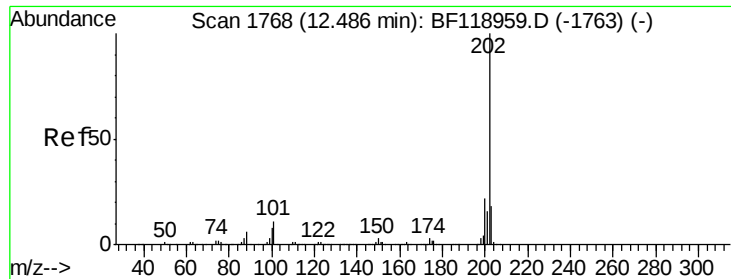
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.6	23.4
179	15.2	12.6	18.8



#72
Anthracene
Concen: 2.312 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF118992.D
Acq: 21 Feb 2020 14:54

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.4	23.2
179	16.3	12.8	19.2





#75

Fluoranthene

Concen: 12.032 ng

RT: 12.48 min Scan# 1767

Delta R.T. -0.01 min

Lab File: BF118992.D

Acq: 21 Feb 2020 14:54

Instrument :

BNA_F

ClientSampleId :

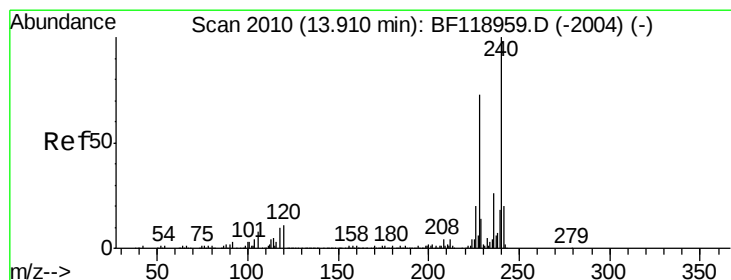
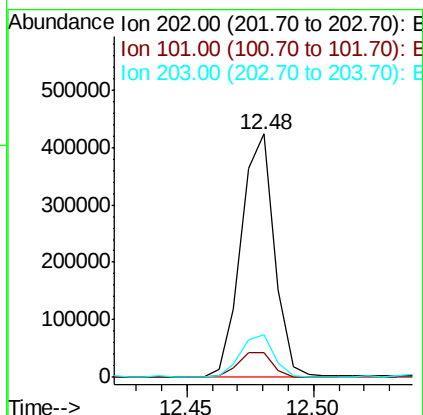
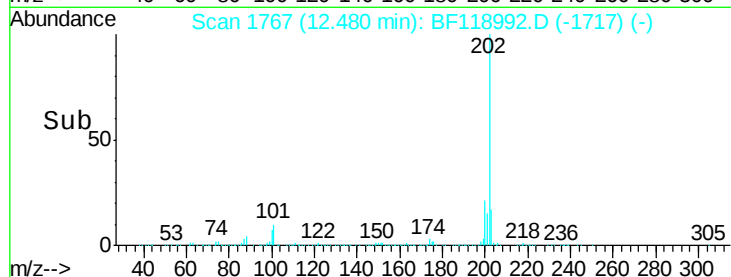
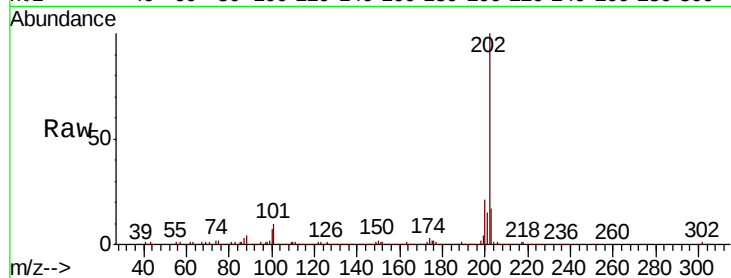
Tot Ion:202 Resp: 386877

Ion Ratio Lower Upper

202 100

101 10.1 0.0 31.1

203 17.5 0.0 38.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.90 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF118992.D

Acq: 21 Feb 2020 14:54

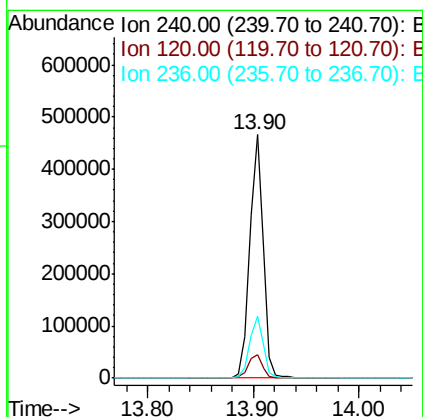
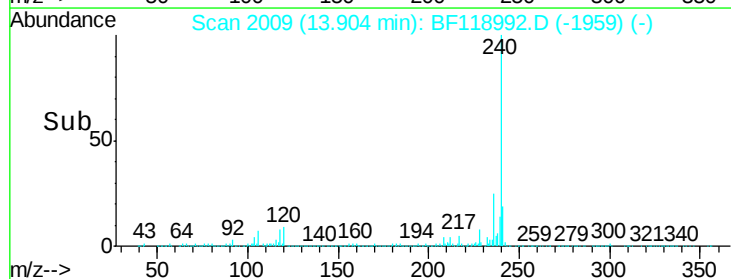
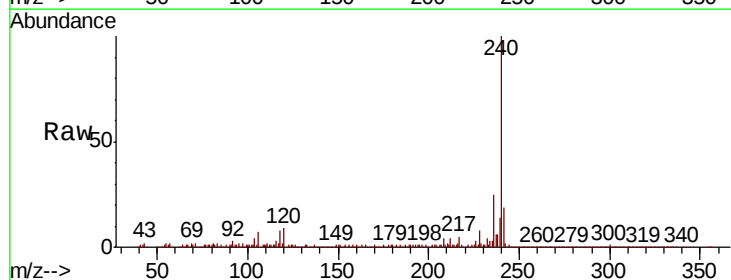
Tgt Ion:240 Resp: 406448

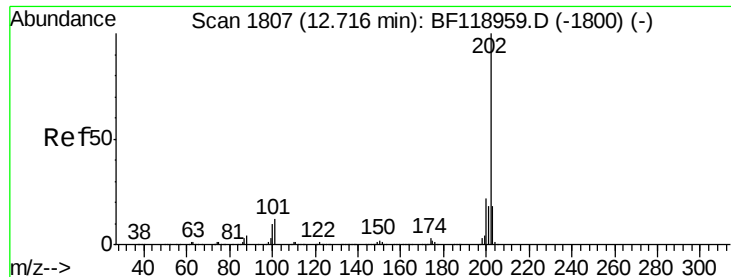
Ion Ratio Lower Upper

240 100

120 9.4 8.9 13.3

236 25.4 20.6 30.8

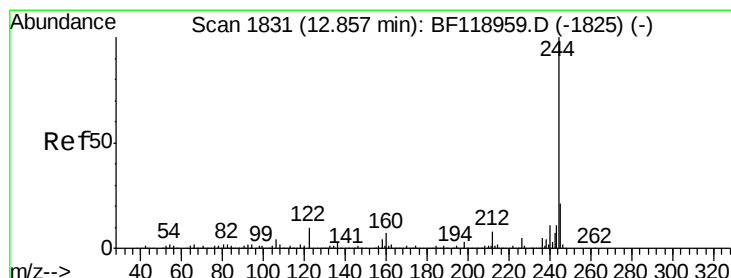
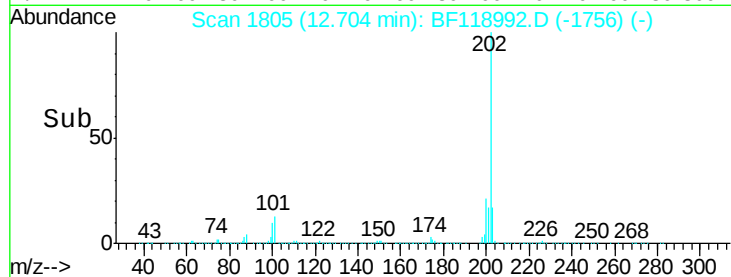
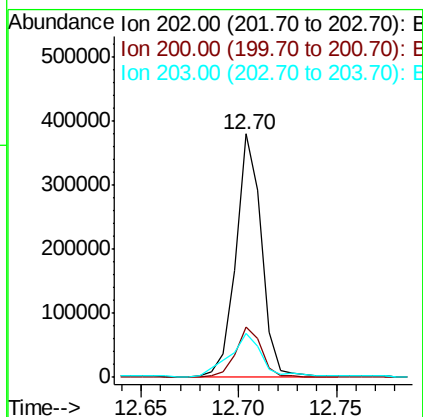
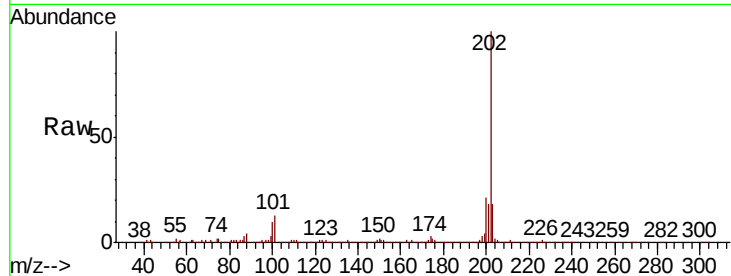




#78
Pvrene
Concen: 10.516 ng
RT: 12.70 min Scan# 1805
Delta R.T. -0.01 min
Lab File: BF118992.D
Acq: 21 Feb 2020 14:54

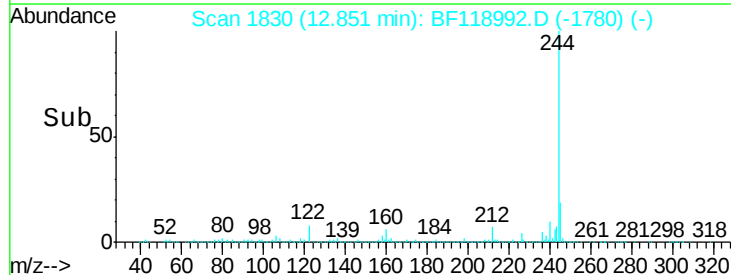
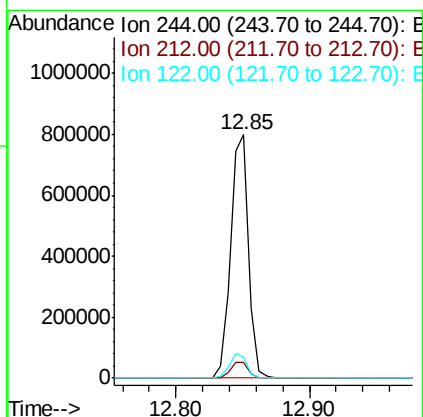
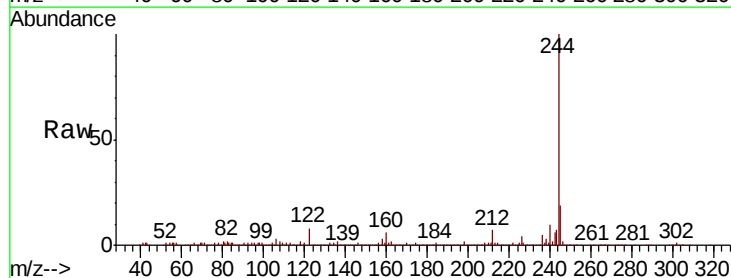
Instrument :
BNA_F
ClientSampleId :

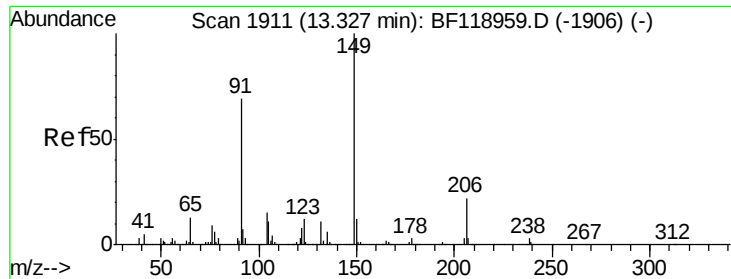
Tot Ion:202 Resp: 343216
Ion Ratio Lower Upper
202 100
200 20.7 17.4 26.0
203 17.9 14.5 21.7



#79
Terphenyl-d14
Concen: 31.885 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF118992.D
Acq: 21 Feb 2020 14:54

Tgt Ion:244 Resp: 752732
Ion Ratio Lower Upper
244 100
212 6.7 6.3 9.5
122 8.4 8.4 12.6#

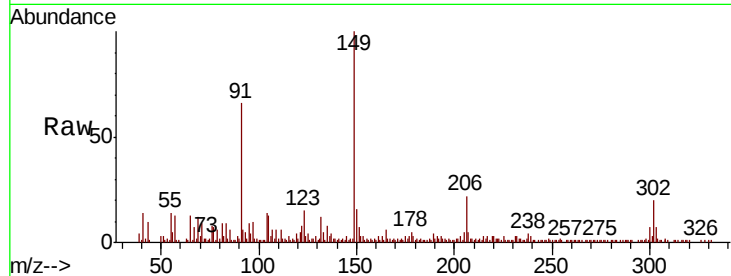




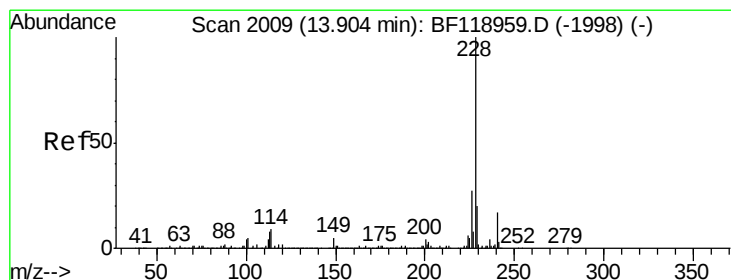
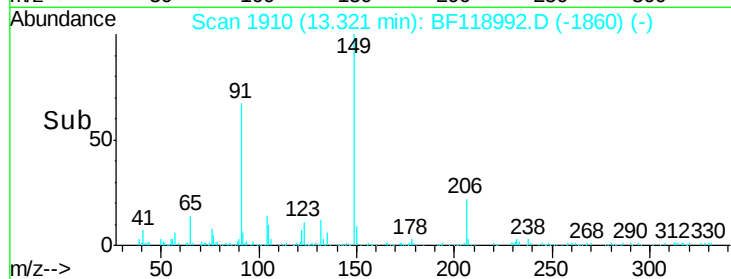
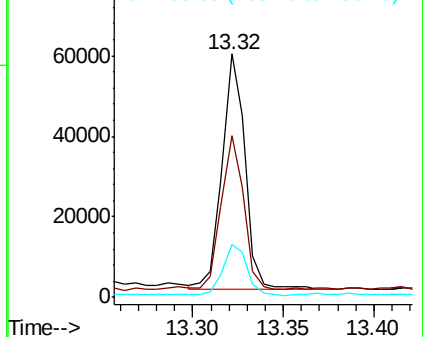
#80
Butylbenzylphthalate
Concen: 3.705 ng
RT: 13.32 min Scan# 1910
Delta R.T. -0.01 min
Lab File: BF118992.D
Acq: 21 Feb 2020 14:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:149 Resp: 50894
Ion Ratio Lower Upper
149 100
91 66.3 55.4 83.2
206 21.9 17.7 26.5

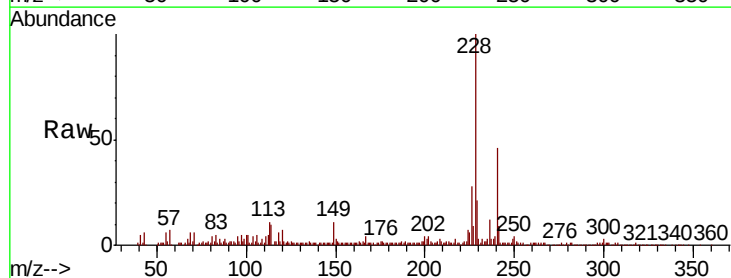


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF1
Ion 206.00 (205.70 to 206.70): E

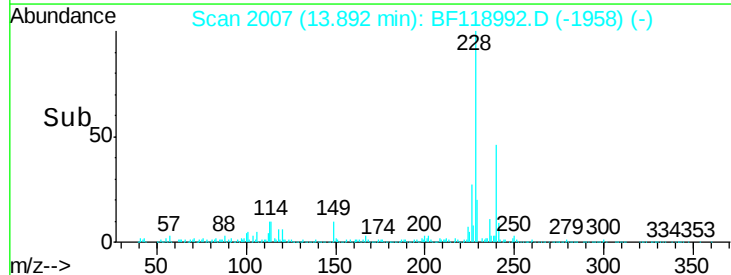
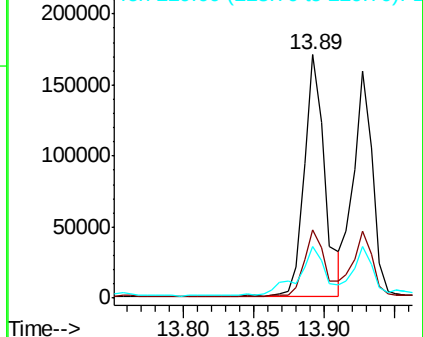


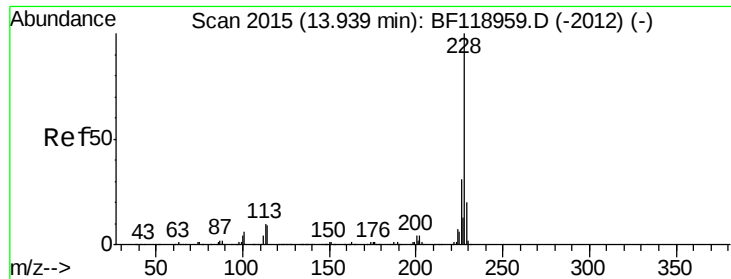
#81
Benzo(a)anthracene
Concen: 6.199 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF118992.D
Acq: 21 Feb 2020 14:54

Tgt Ion:228 Resp: 171670
Ion Ratio Lower Upper
228 100
226 28.2 21.8 32.8
229 21.4 16.0 24.0



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

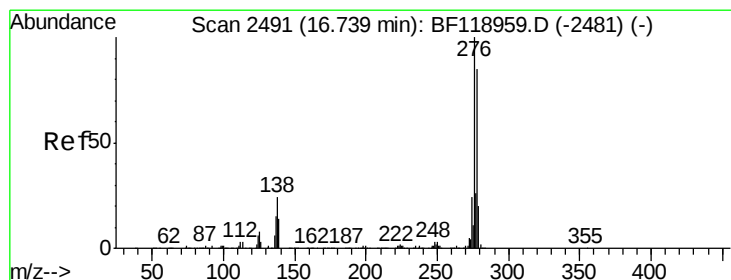
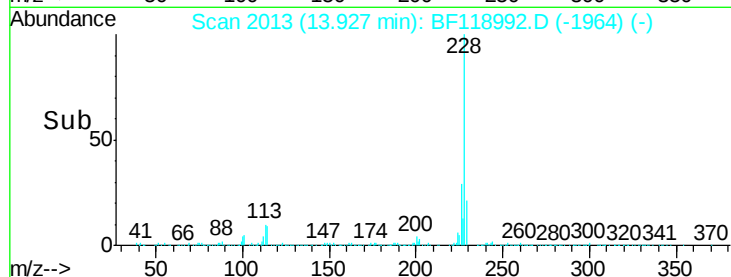
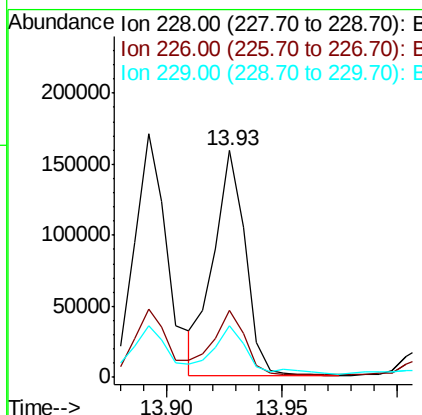
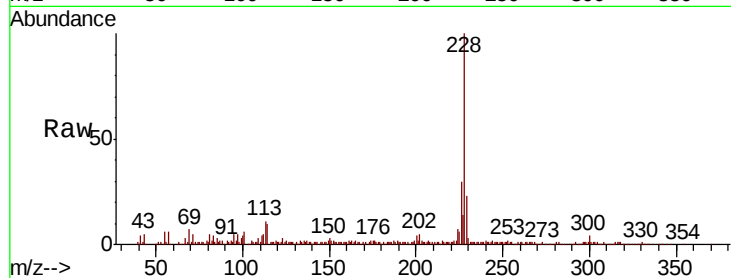




#83
Chrysene
Concen: 5.512 ng
RT: 13.93 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF118992.D
Acq: 21 Feb 2020 14:54

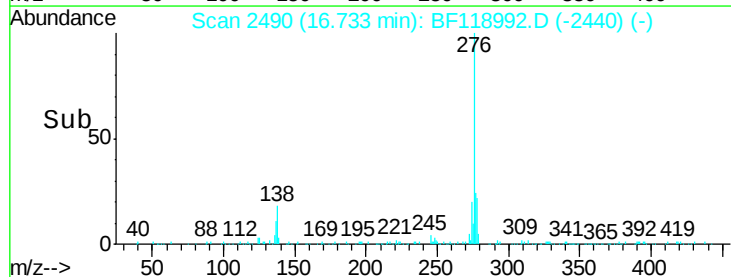
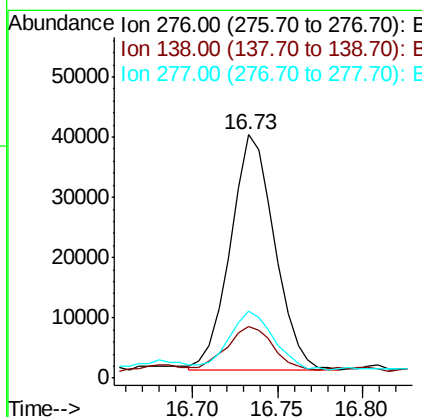
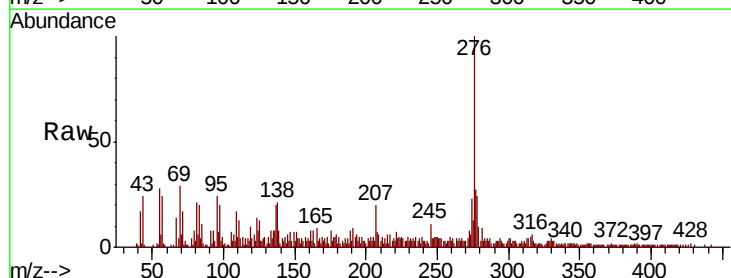
Instrument :
BNA_F
ClientSampleId :

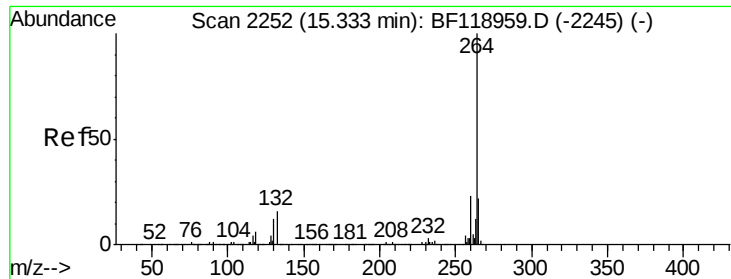
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.6	37.0
229	22.6	16.2	24.2



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.642 ng
RT: 16.73 min Scan# 2490
Delta R.T. -0.01 min
Lab File: BF118992.D
Acq: 21 Feb 2020 14:54

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.0	18.7	28.1
277	25.0	20.3	30.5





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.33 min Scan# 2252

Delta R.T. -0.00 min

Lab File: BF118992.D

Acq: 21 Feb 2020 14:54

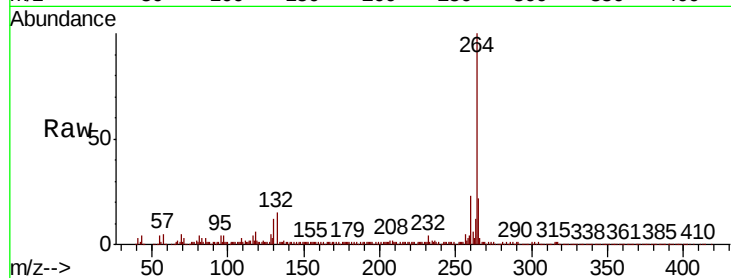
Instrument :

BNA_F

ClientSampleId :

Tot Ion:264 Resp: 423386

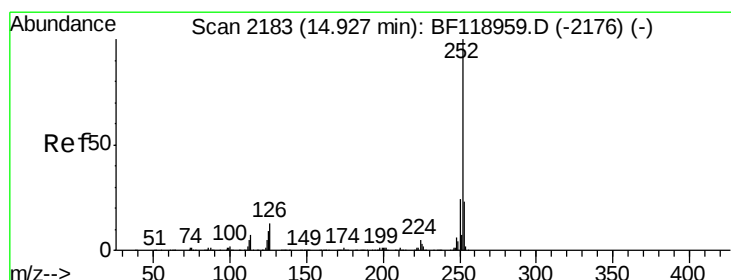
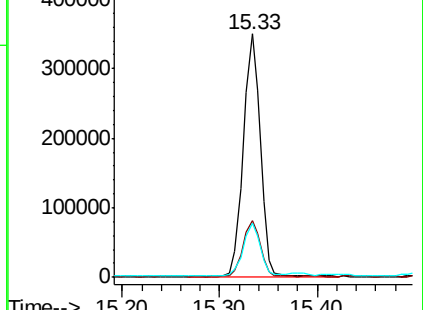
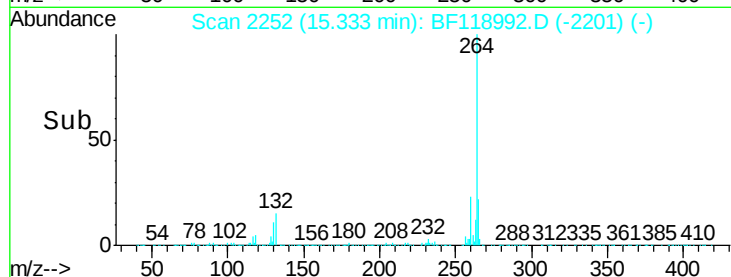
Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	22.1	17.3	25.9



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: 9.126 ng

RT: 14.93 min Scan# 2183

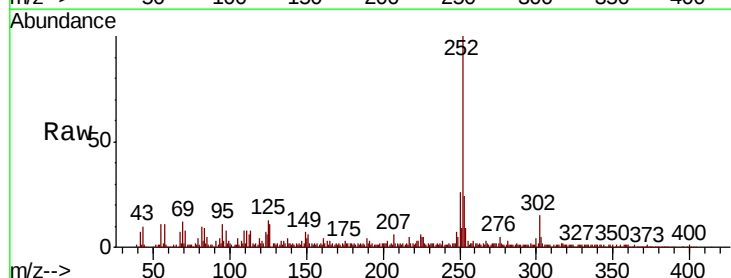
Delta R.T. -0.00 min

Lab File: BF118992.D

Acq: 21 Feb 2020 14:54

Tgt Ion:252 Resp: 254692

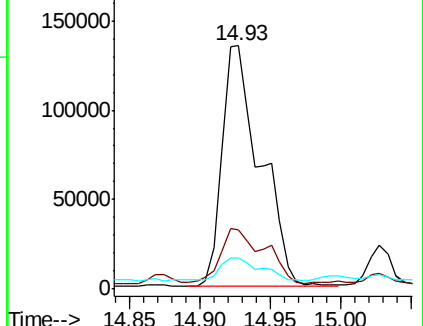
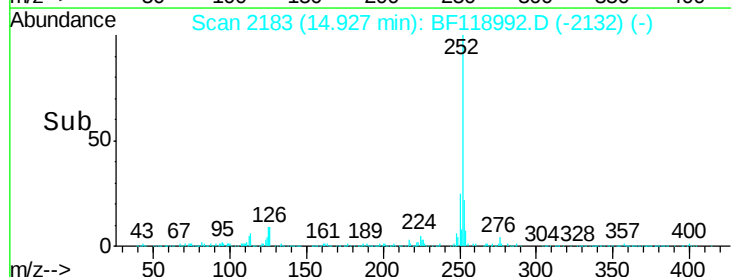
Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.2	27.2
125	12.9	7.4	11.0

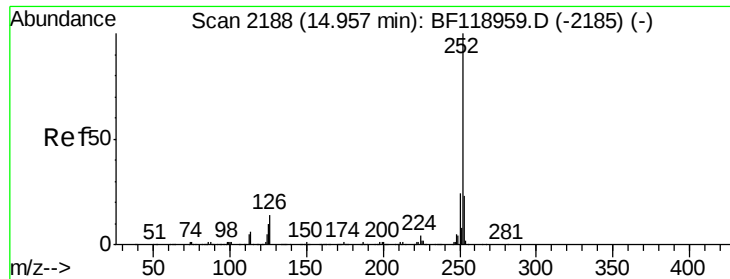


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

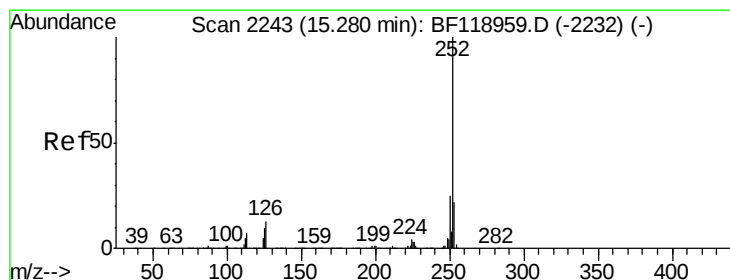
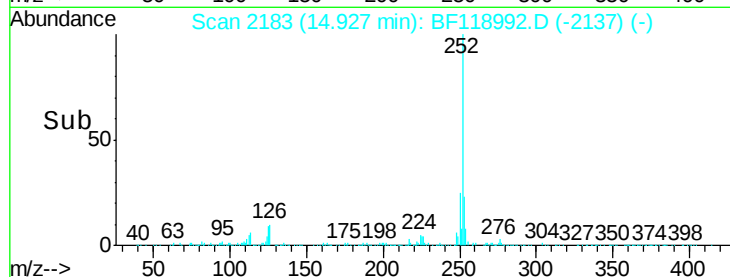
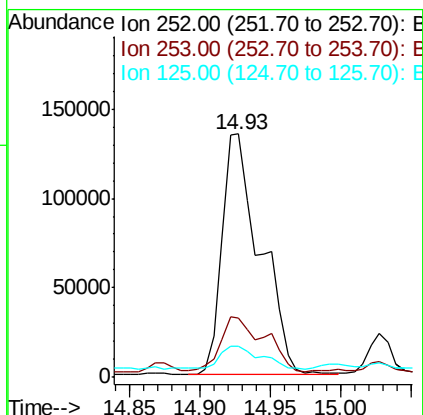
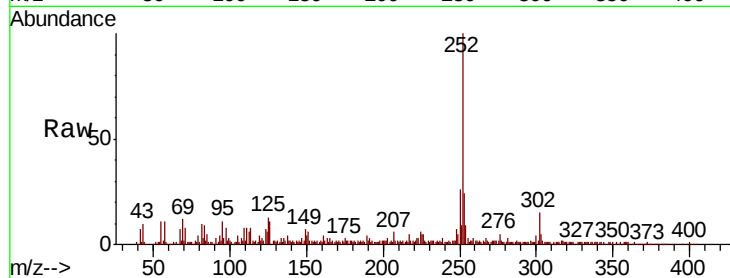




#89
Benzo(k)fluoranthene
Concen: 9.848 ng
RT: 14.93 min Scan# 2183
Delta R.T. -0.03 min
Lab File: BF118992.D
Acq: 21 Feb 2020 14:54

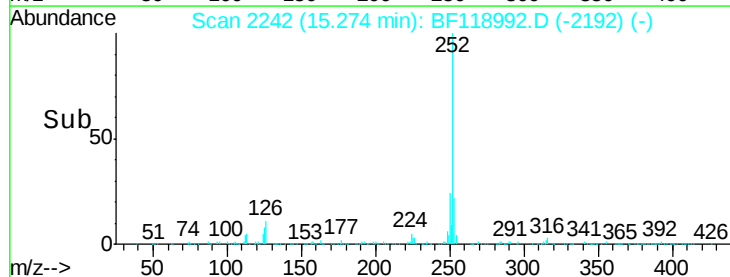
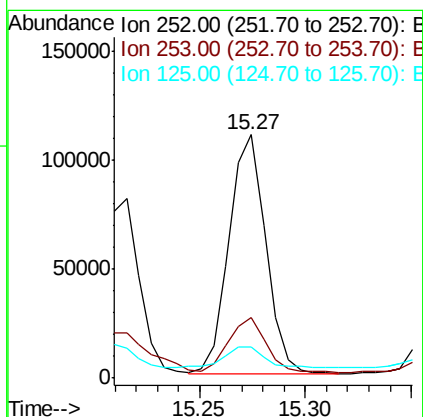
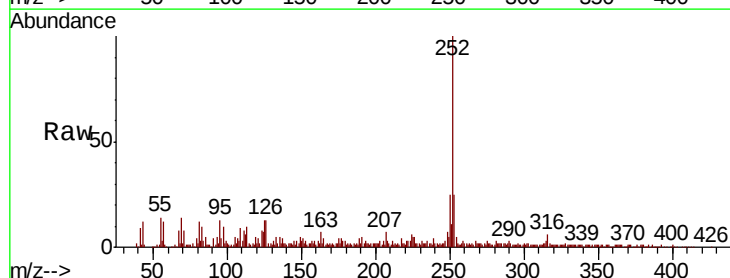
Instrument :
BNA_F
ClientSampleId :

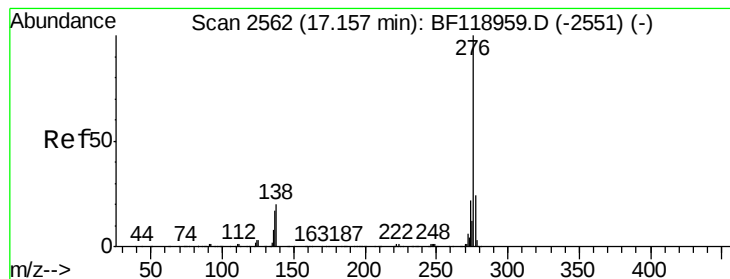
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	12.9	7.3	10.9



#90
Benzo(a)pyrene
Concen: 5.276 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.01 min
Lab File: BF118992.D
Acq: 21 Feb 2020 14:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.9	26.9
125	12.8	7.8	11.6





#92

Benzo(a,h,i)perylene

Concen: 3.138 ng

RT: 17.16 min Scan# 2562

Delta R.T. -0.00 min

Lab File: BF118992.D

Acq: 21 Feb 2020 14:54

Instrument :

BNA_F

ClientSampleId :

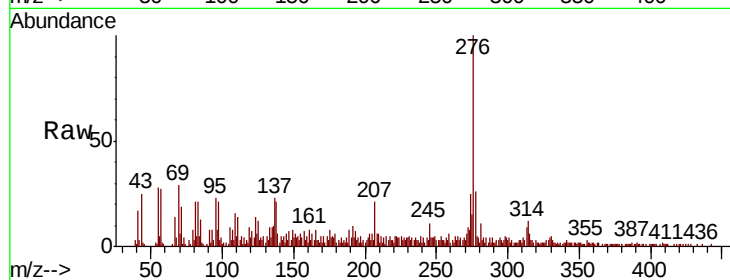
Tot Ion:276 Resp: 68704

Ion Ratio Lower Upper

276 100

277 25.6 19.2 28.8

138 20.9 16.2 24.4



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

