

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101520\
 Data File : BF122000.D
 Acq On : 15 Oct 2020 19:50
 Operator : JU/CG
 Sample : L4392-06
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Quant Time: Oct 16 01:08:28 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 15 12:55:05 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

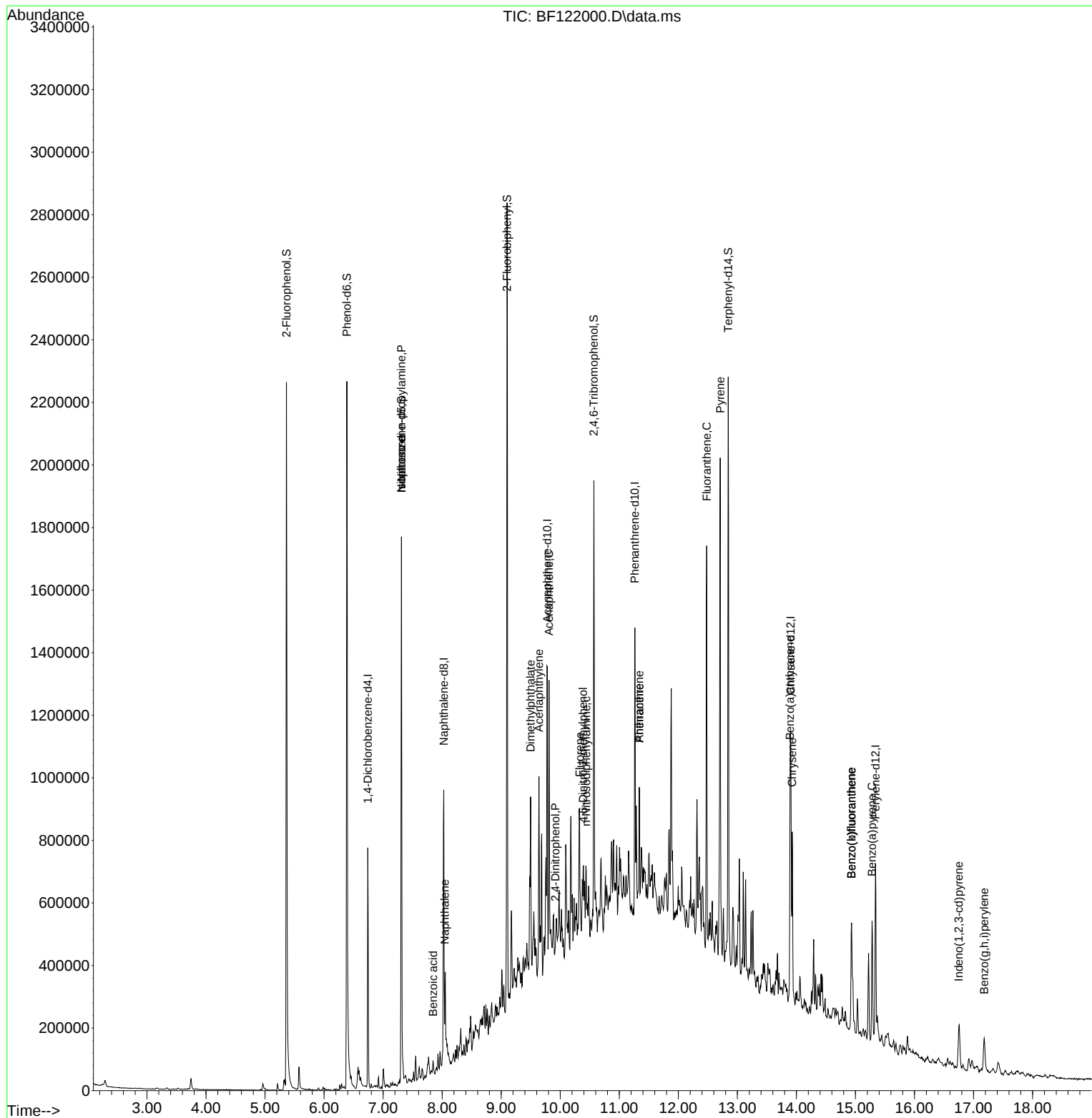
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	106331	20.00	ng	0.00
21) Naphthalene-d8	8.027	136	417291	20.00	ng	0.00
39) Acenaphthene-d10	9.780	164	194979	20.00	ng	0.00
64) Phenanthrene-d10	11.263	188	320153	20.00	ng	0.00
76) Chrysene-d12	13.904	240	220831	20.00	ng	0.00
86) Perylene-d12	15.339	264	233813	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	660107	91.63	ng	0.00
7) Phenol-d6	6.386	99	840970	90.68	ng	0.00
23) Nitrobenzene-d5	7.310	82	551829	67.82	ng	0.00
42) 2,4,6-Tribromophenol	10.569	330	177405	73.55	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	814301	61.45	ng	0.00
79) Terphenyl-d14	12.845	244	580375	50.09	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.322	77	5102	Below Cal	#	84
19) n-Nitroso-di-n-propyla...	7.310	70	72307	13.69	ng	# 78
25) Isophorone	7.310	82	550004	35.75	ng	# 67
31) Naphthalene	8.045	128	46819	2.09	ng	98
32) Benzoic acid	7.845	122	231	7.73	ng	# 1
49) Acenaphthylene	9.639	152	95149	5.02	ng	# 93
50) Dimethylphthalate	9.498	163	182597	12.81	ng	100
52) Acenaphthene	9.810	154	147509	13.10	ng	96
54) 2,4-Dinitrophenol	9.916	184	232	8.82	ng	# 1
58) Fluorene	10.327	166	91064	6.86	ng	98
65) 4,6-Dinitro-2-methylph...	10.386	198	730	4.74	ng	# 1
66) n-Nitrosodiphenylamine	10.439	169	27524	2.50	ng	# 54
71) Phenanthrene	11.339	178	149008	8.49	ng	97
72) Anthracene	11.339	178	149008	8.18	ng	98
75) Fluoranthene	12.480	202	466582	24.79	ng	97
78) Pyrene	12.710	202	651506	38.71	ng	99
81) Benzo(a)anthracene	13.892	228	245362	16.96	ng	94
83) Chrysene	13.927	228	220617	15.53	ng	97
87) Indeno(1,2,3-cd)pyrene	16.750	276	84277	5.55	ng	95
88) Benzo(b)fluoranthene	14.933	252	253080	16.01	ng	98
89) Benzo(k)fluoranthene	14.933	252	253080	16.86	ng	# 97
90) Benzo(a)pyrene	15.280	252	180225	13.20	ng	98
92) Benzo(g,h,i)perylene	17.180	276	84071	6.72	ng	99

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

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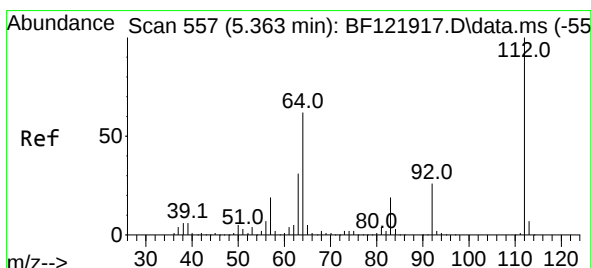
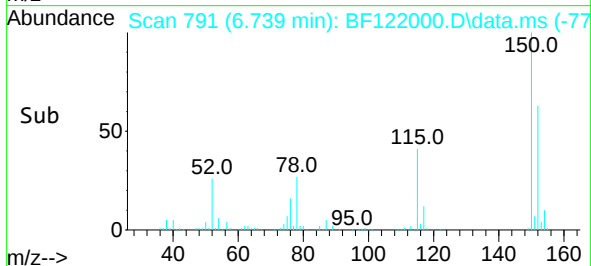
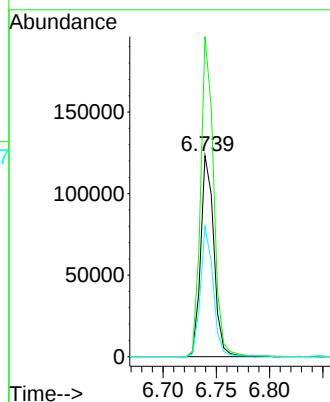
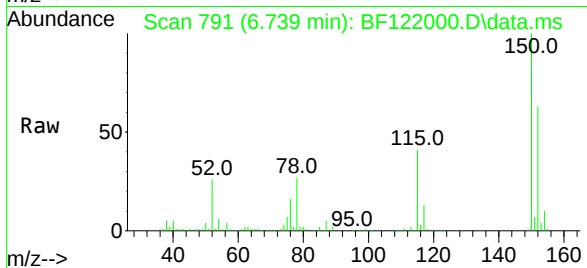




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.739 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50

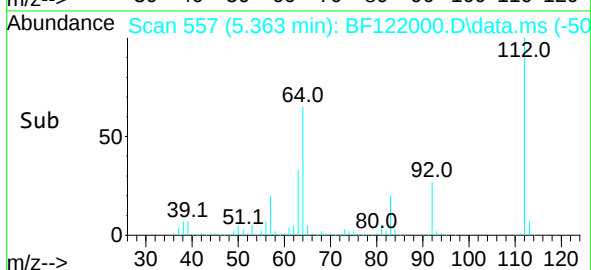
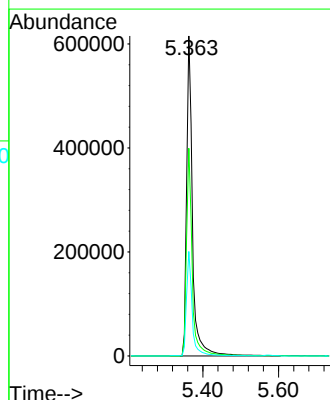
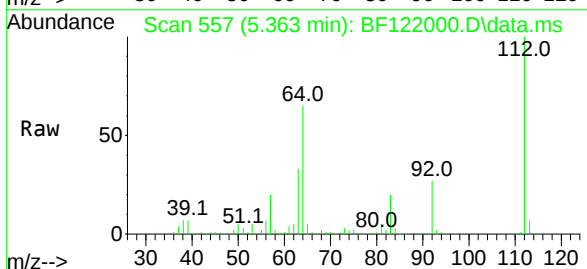
Instrument :
BNA_F
ClientSampleId :
TP-2

Tgt Ion:152 Resp: 106331
Ion Ratio Lower Upper
152 100
150 159.2 125.3 187.9
115 64.8 51.9 77.9



#5
2-Fluorophenol
Concen: 91.63 ng
RT: 5.363 min Scan# 557
Delta R.T. -0.000 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50

Tgt Ion:112 Resp: 660107
Ion Ratio Lower Upper
112 100
64 64.9 50.4 75.6
63 32.7 25.8 38.6

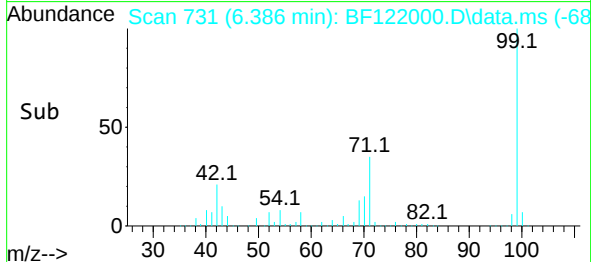
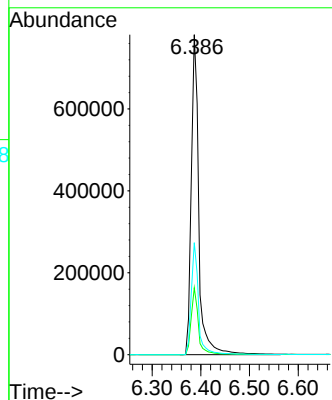
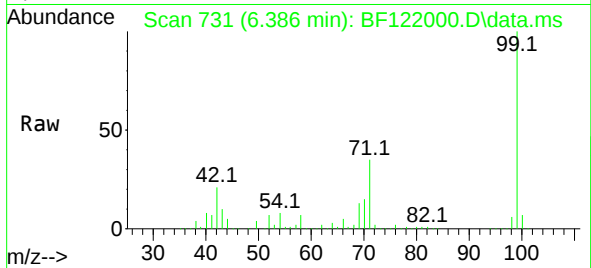




#7
Phenol-d6
Concen: 90.68 ng
RT: 6.386 min Scan# 731
Delta R.T. -0.006 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50

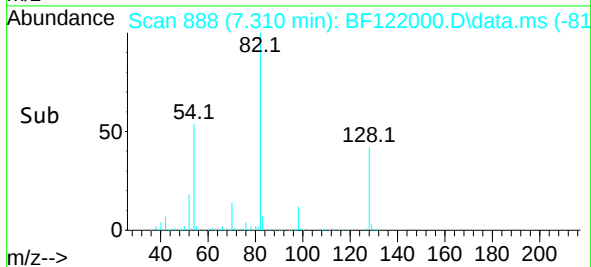
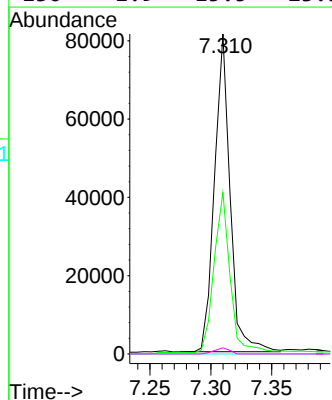
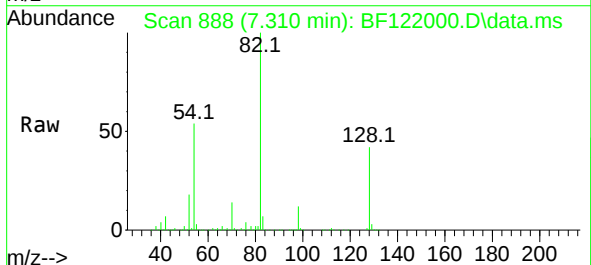
Instrument :
BNA_F
ClientSampleId :
TP-2

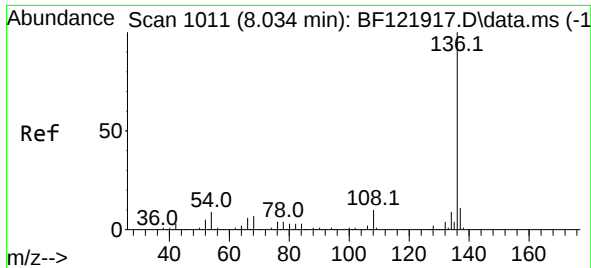
Tgt Ion: 99 Resp: 840970
Ion Ratio Lower Upper
99 100
42 20.9 15.9 23.9
71 35.0 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 13.69 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.147 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50

Tgt Ion: 70 Resp: 72307
Ion Ratio Lower Upper
70 100
42 50.5 50.2 75.4
101 0.0 7.5 11.3#
130 1.9 15.5 23.3#



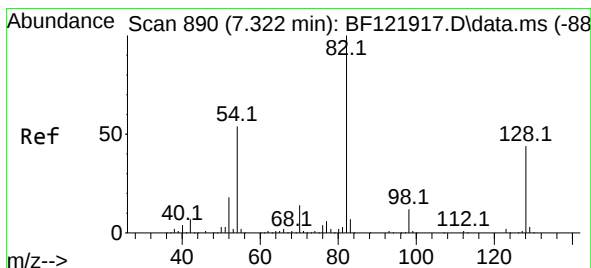
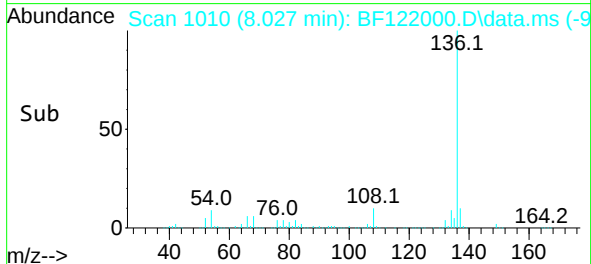
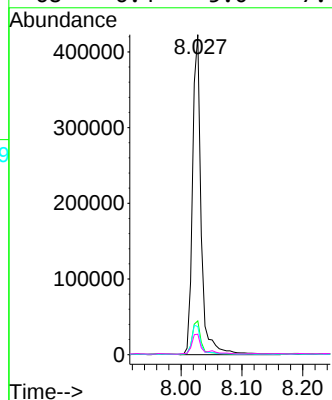
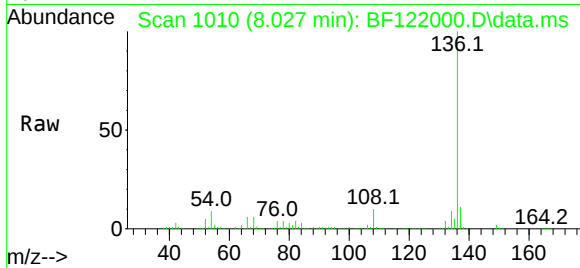


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.027 min Scan# 1010
Delta R.T. -0.000 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50

Instrument :
BNA_F
ClientSampleId :
TP-2

Tgt Ion:136 Resp: 417291

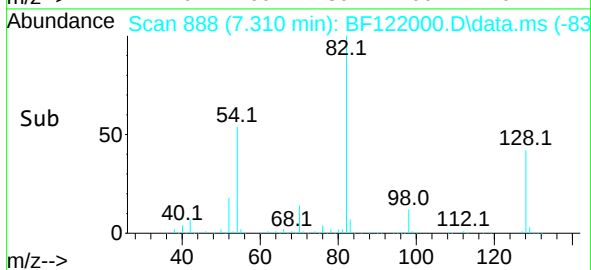
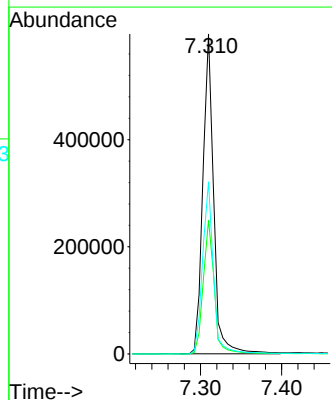
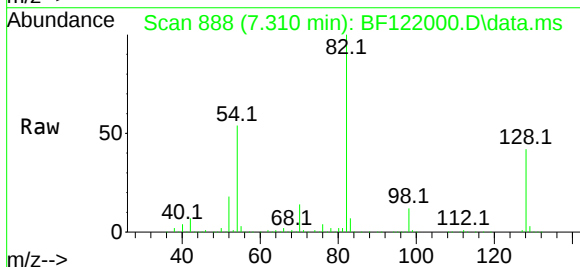
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	8.8	7.1	10.7
68	6.4	5.0	7.4



#23
Nitrobenzene-d5
Concen: 67.82 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.006 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50

Tgt Ion: 82 Resp: 551829

Ion	Ratio	Lower	Upper
82	100		
128	41.9	35.0	52.4
54	53.8	43.9	65.9

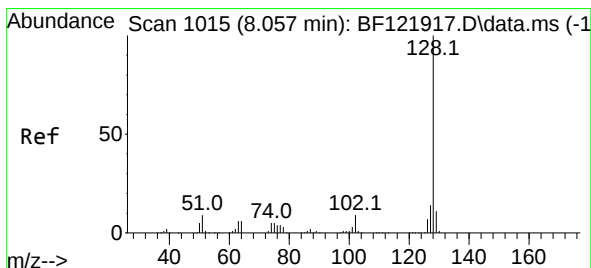
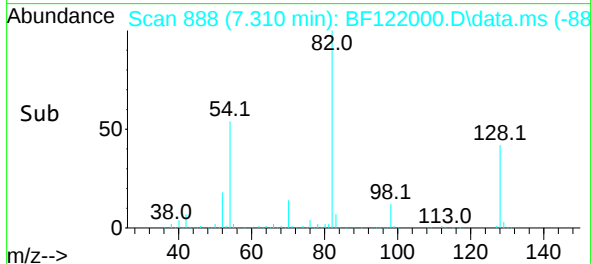
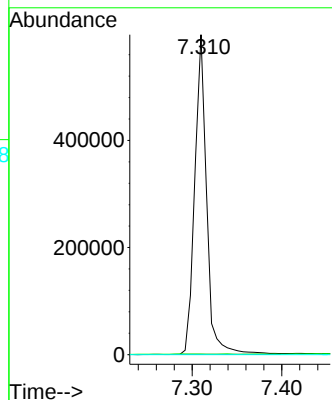
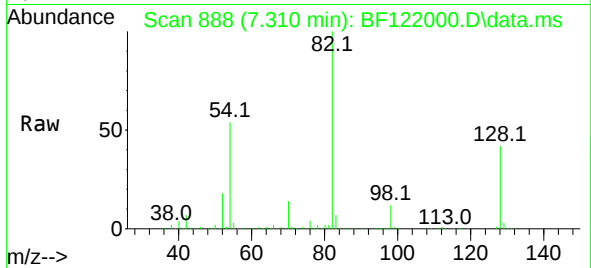




#25
Isophorone
Concen: 35.75 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.265 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50

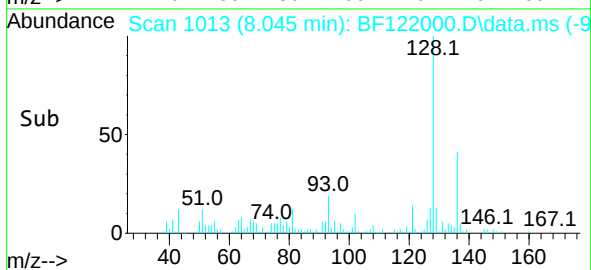
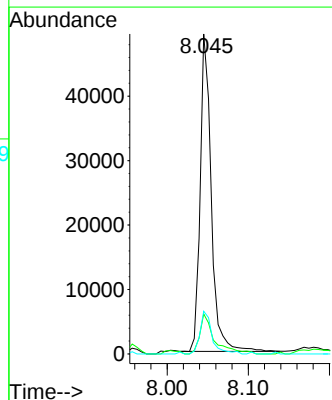
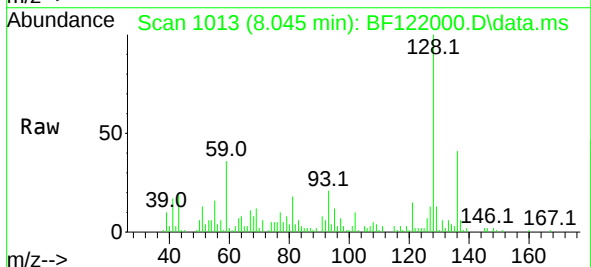
Instrument :
BNA_F
ClientSampled :
TP-2

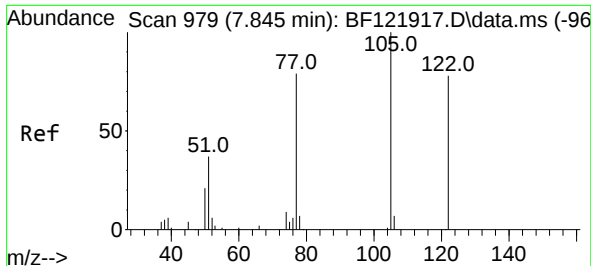
Tgt Ion: 82 Resp: 550004
Ion Ratio Lower Upper
82 100
95 0.2 5.4 8.0#
138 0.0 13.4 20.0#



#31
Naphthalene
Concen: 2.09 ng
RT: 8.045 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50

Tgt Ion: 128 Resp: 46819
Ion Ratio Lower Upper
128 100
129 12.5 8.7 13.1
127 13.4 10.8 16.2

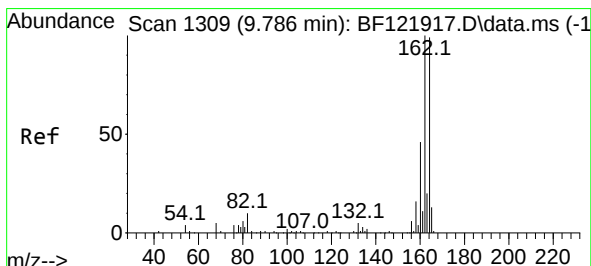
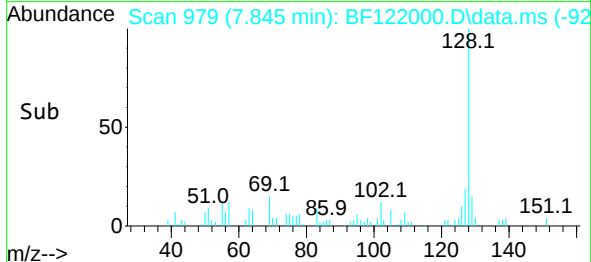
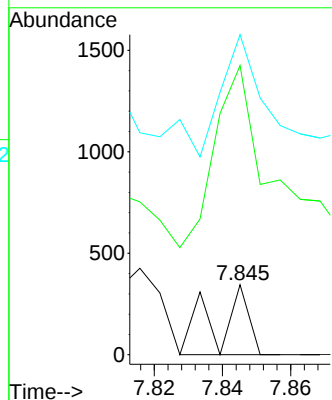
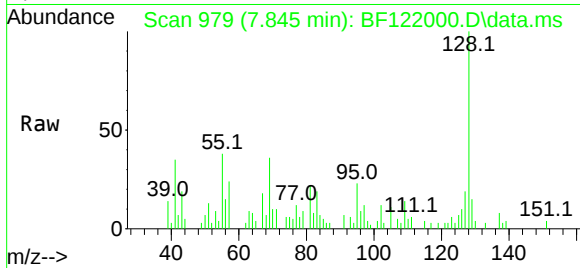




#32
Benzoic acid
Concen: 7.73 ng
RT: 7.845 min Scan# 979
Delta R.T. 0.006 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50

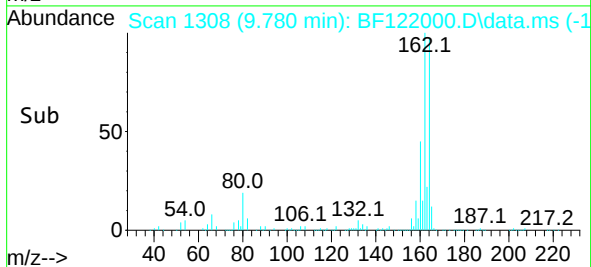
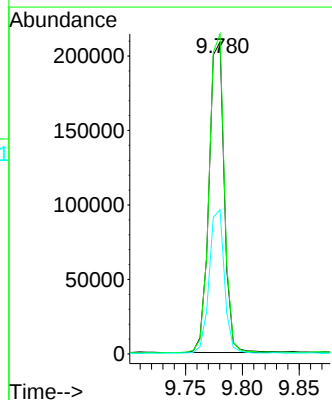
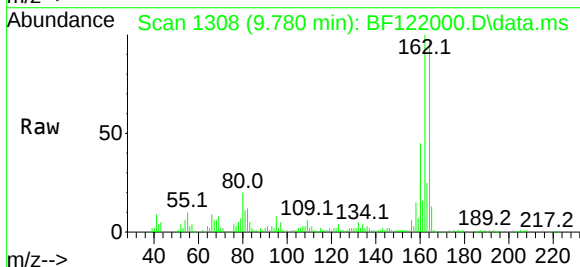
Instrument :
BNA_F
ClientSampled :
TP-2

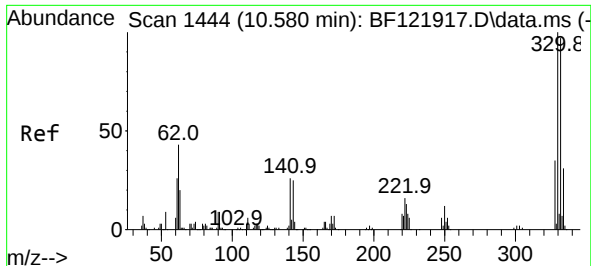
Tgt Ion:122 Resp: 231
Ion Ratio Lower Upper
122 100
105 413.0 103.3 143.3#
77 457.1 73.9 113.9#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.780 min Scan# 1308
Delta R.T. -0.000 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50

Tgt Ion:164 Resp: 194979
Ion Ratio Lower Upper
164 100
162 102.6 83.2 124.8
160 46.3 37.5 56.3

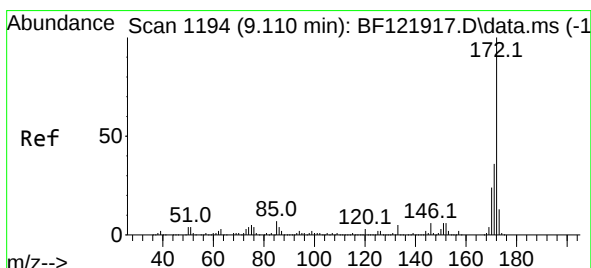
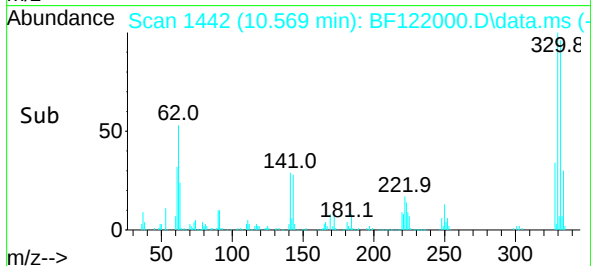
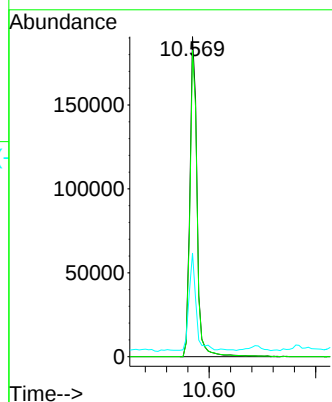
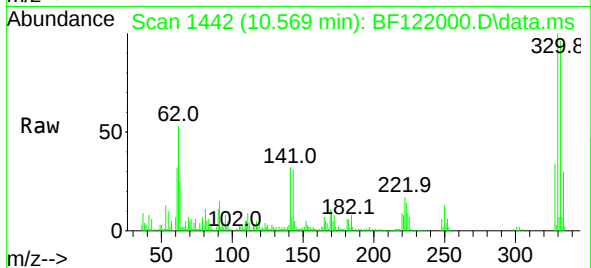




#42
2,4,6-Tribromophenol
Concen: 73.55 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.006 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50

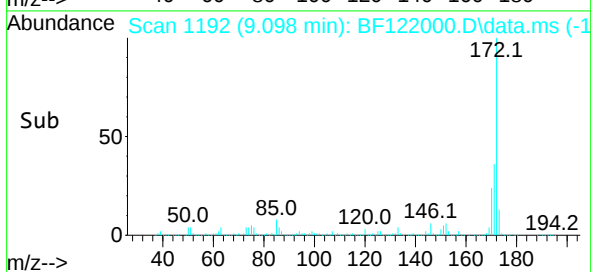
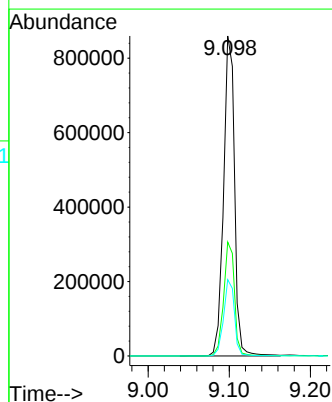
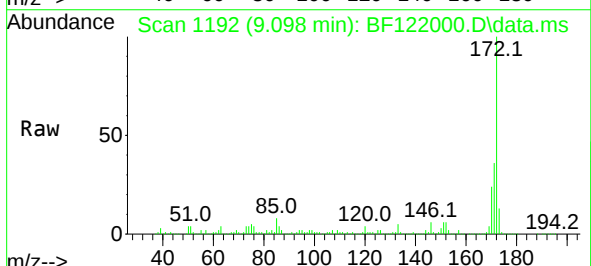
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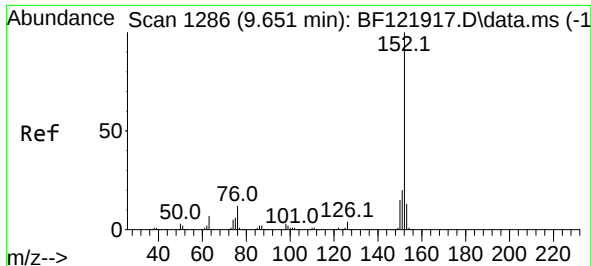
Tgt Ion:330 Resp: 177405
Ion Ratio Lower Upper
330 100
332 96.2 77.3 115.9
141 29.7 22.3 33.5



#45
2-Fluorobiphenyl
Concen: 61.45 ng
RT: 9.098 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50

Tgt Ion:172 Resp: 814301
Ion Ratio Lower Upper
172 100
171 35.6 29.1 43.7
170 23.9 19.8 29.6





#49

Acenaphthylene

Concen: 5.02 ng

RT: 9.639 min Scan# 1284

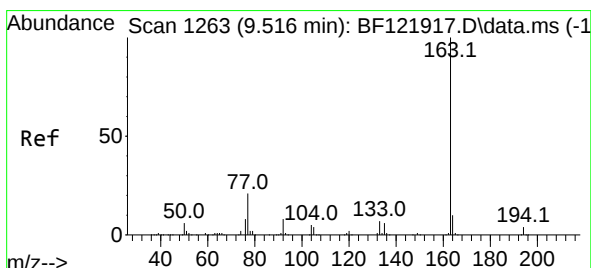
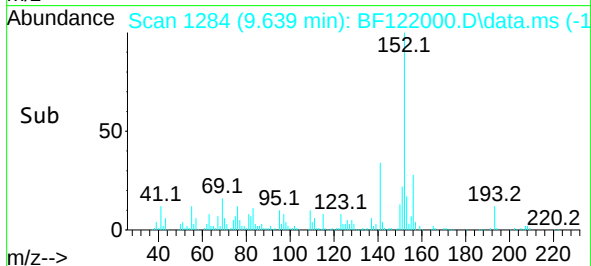
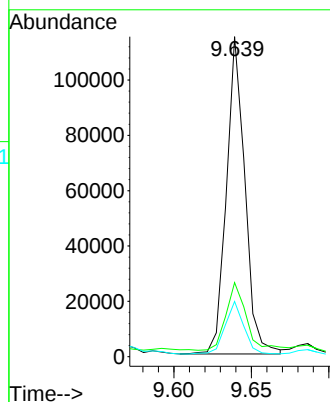
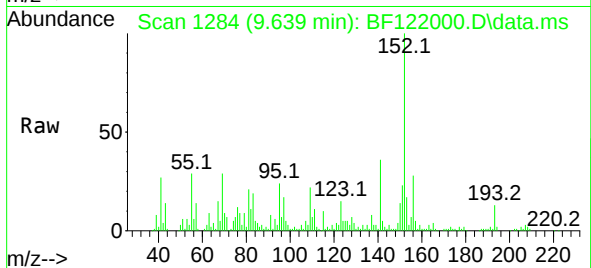
Delta R.T. -0.006 min

Lab File: BF122000.D

Acq: 15 Oct 2020 19:50

Tgt Ion:	152	Resp:	95149
Ion Ratio	Lower	Upper	
152	100		
151	23.1	16.4	24.6
153	17.2	10.6	15.8#

Instrument :
BNA_F
ClientSampled :
TP-2



#50

Dimethylphthalate

Concen: 12.81 ng

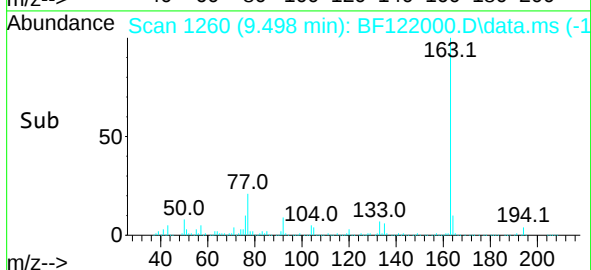
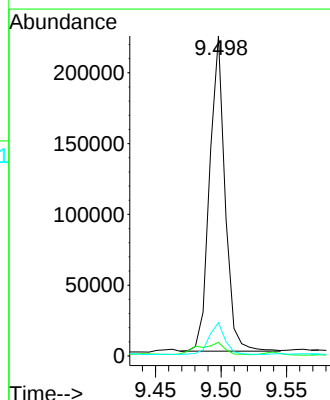
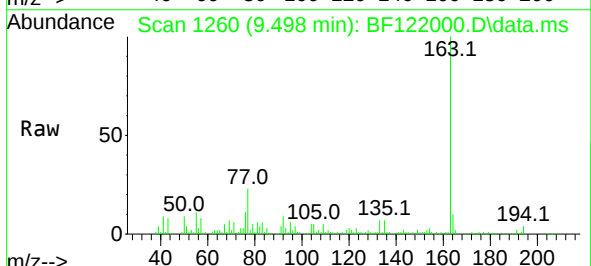
RT: 9.498 min Scan# 1260

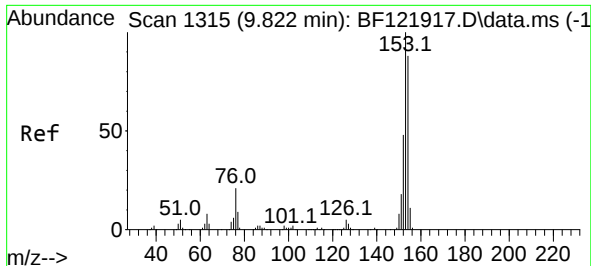
Delta R.T. -0.006 min

Lab File: BF122000.D

Acq: 15 Oct 2020 19:50

Tgt Ion:	163	Resp:	182597
Ion Ratio	Lower	Upper	
163	100		
194	4.3	3.3	4.9
164	10.4	8.2	12.4

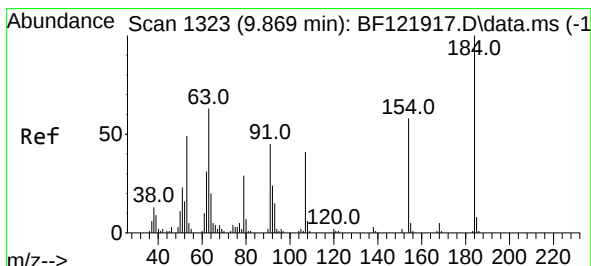
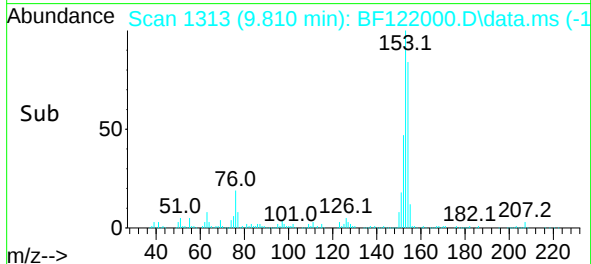
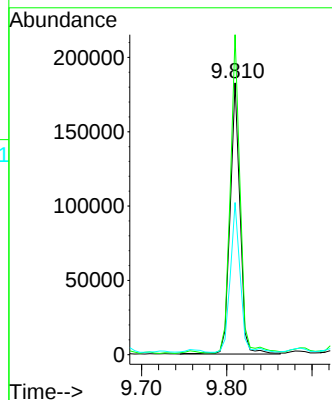
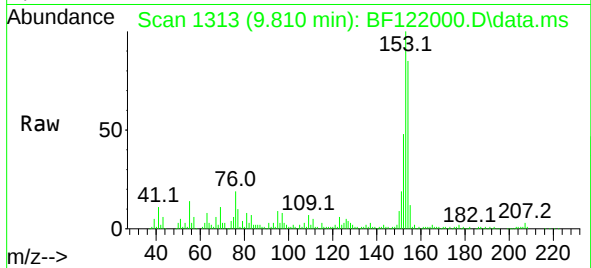




#52
Acenaphthene
Concen: 13.10 ng
RT: 9.810 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50

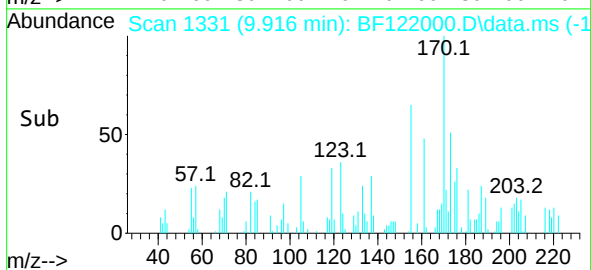
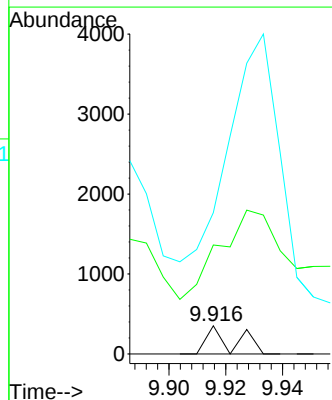
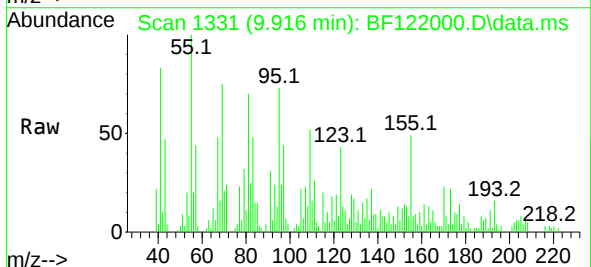
Instrument :
BNA_F
ClientSampled :
TP-2

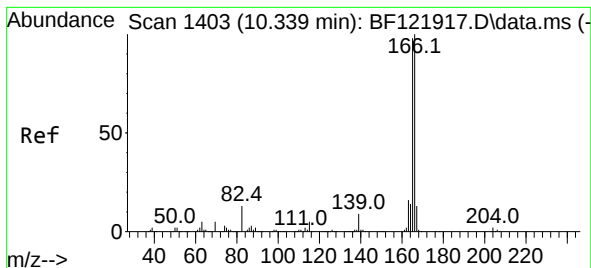
Tgt Ion:154 Resp: 147509
Ion Ratio Lower Upper
154 100
153 117.7 89.8 134.8
152 56.0 43.2 64.8



#54
2,4-Dinitrophenol
Concen: 8.82 ng
RT: 9.916 min Scan# 1331
Delta R.T. 0.047 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50

Tgt Ion:184 Resp: 232
Ion Ratio Lower Upper
184 100
63 386.9 45.9 68.9#
154 502.0 45.8 68.6#





#58

Fluorene

Concen: 6.86 ng

RT: 10.327 min Scan# 1401

Delta R.T. -0.000 min

Lab File: BF122000.D

Acq: 15 Oct 2020 19:50

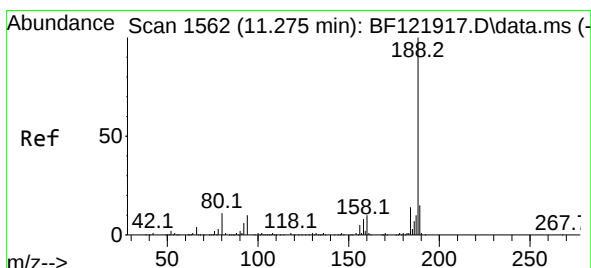
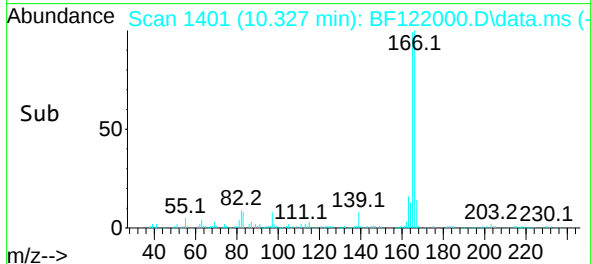
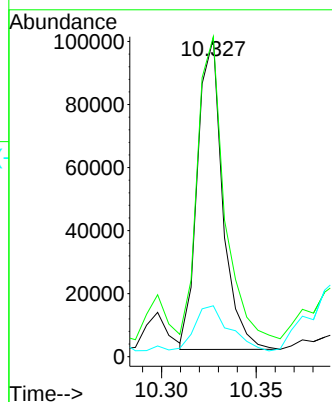
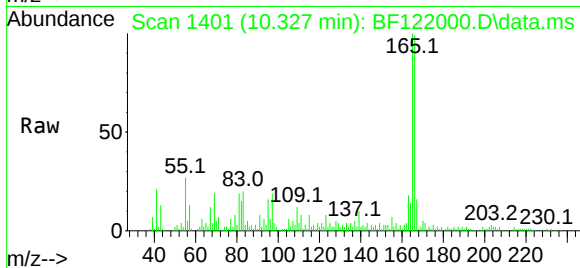
Tgt Ion:166	Resp:	91064
Ion Ratio	Lower	Upper
166	100	
165	100.5	79.1 118.7
167	16.0	11.0 16.6

Instrument :

BNA_F

ClientSampled :

TP-2



#64

Phenanthrene-d10

Concen: 20.00 ng

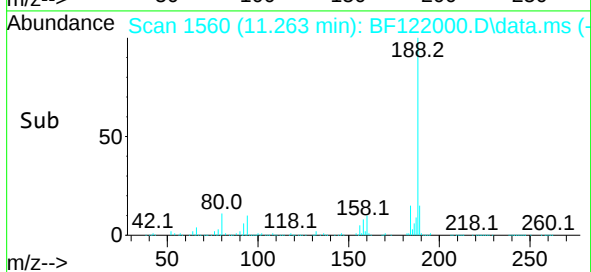
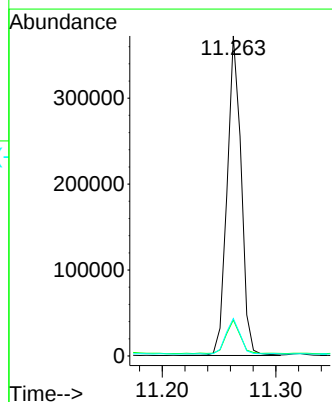
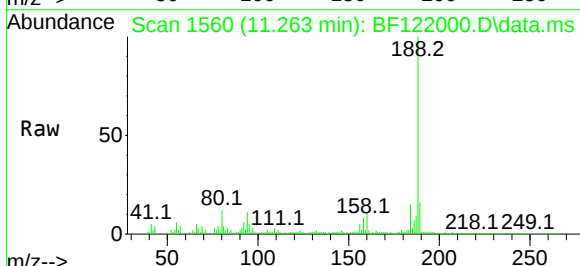
RT: 11.263 min Scan# 1560

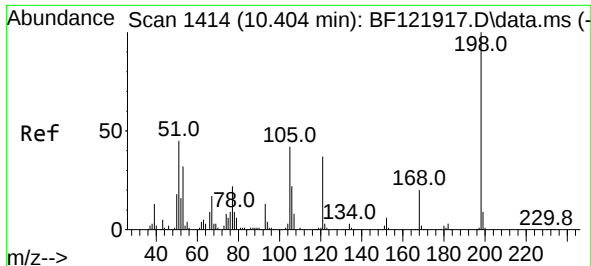
Delta R.T. -0.000 min

Lab File: BF122000.D

Acq: 15 Oct 2020 19:50

Tgt Ion:188	Resp:	320153
Ion Ratio	Lower	Upper
188	100	
94	11.2	8.3 12.5
80	11.7	9.1 13.7

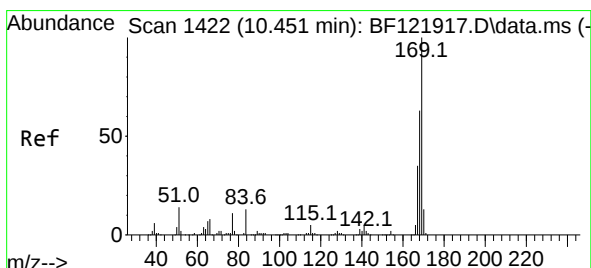
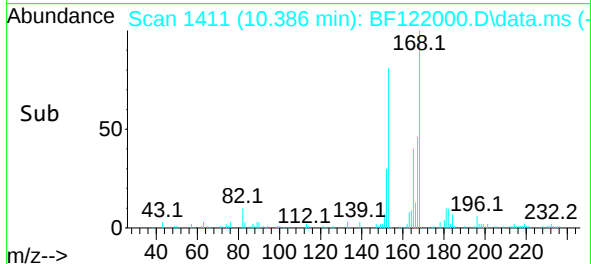
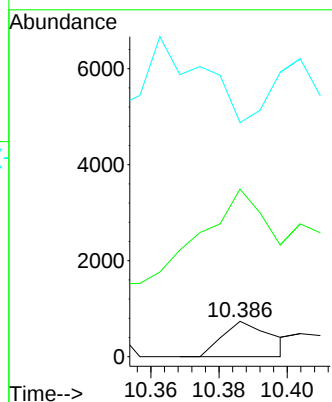
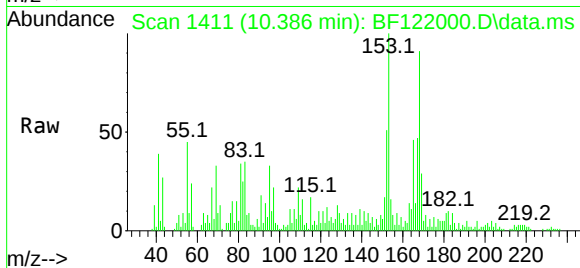




#65
4,6-Dinitro-2-methylphenol
Concen: 4.74 ng
RT: 10.386 min Scan# 1411
Delta R.T. -0.012 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50

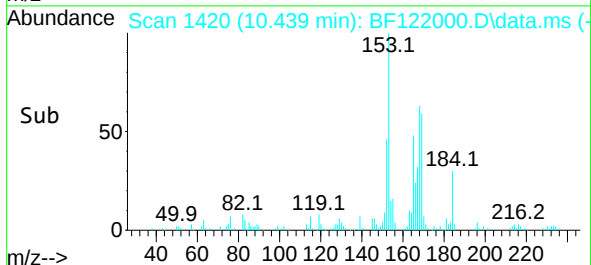
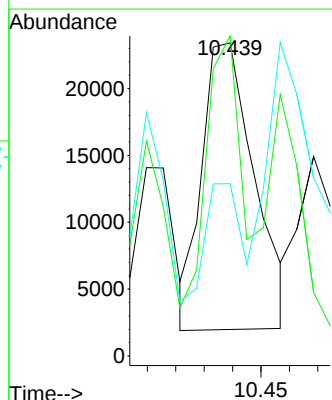
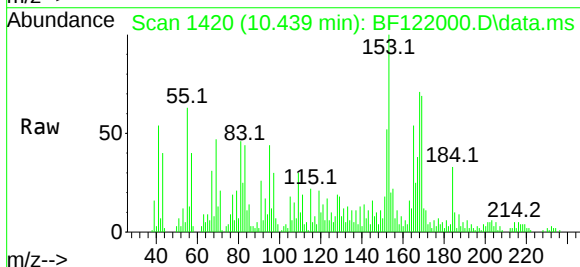
Instrument :
BNA_F
ClientSampled :
TP-2

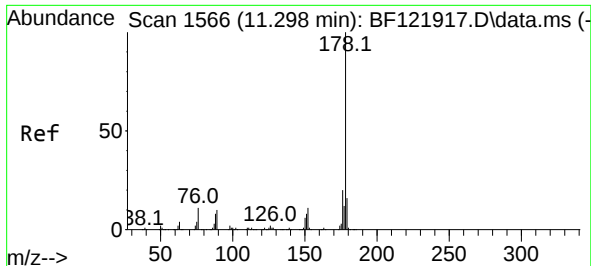
Tgt Ion:198 Resp: 730
Ion Ratio Lower Upper
198 100
51 474.2 29.6 69.6#
105 662.9 24.4 64.4#



#66
n-Nitrosodiphenylamine
Concen: 2.50 ng
RT: 10.439 min Scan# 1420
Delta R.T. -0.000 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50

Tgt Ion:169 Resp: 27524
Ion Ratio Lower Upper
169 100
168 102.2 50.0 75.0#
167 55.0 27.8 41.6#

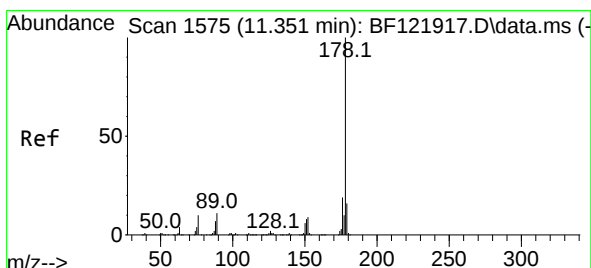
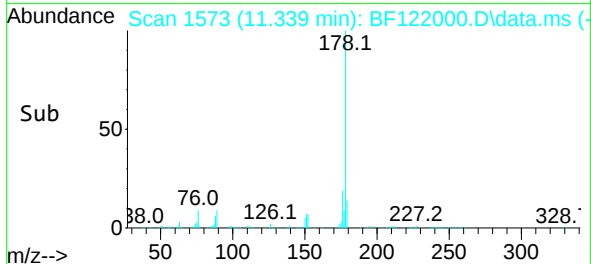
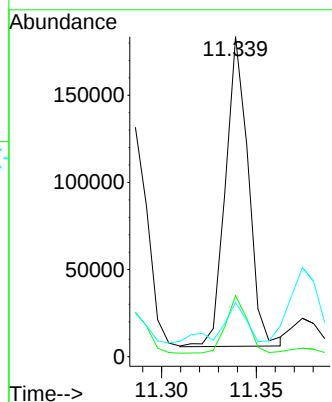
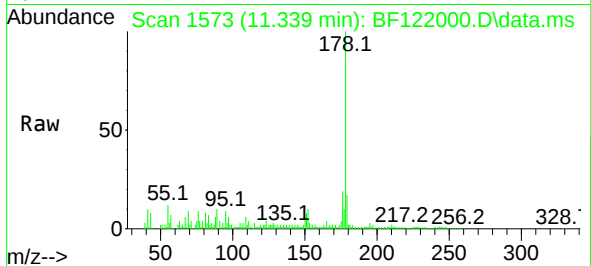




#71
Phenanthrene
Concen: 8.49 ng
RT: 11.339 min Scan# 1573
Delta R.T. 0.047 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50

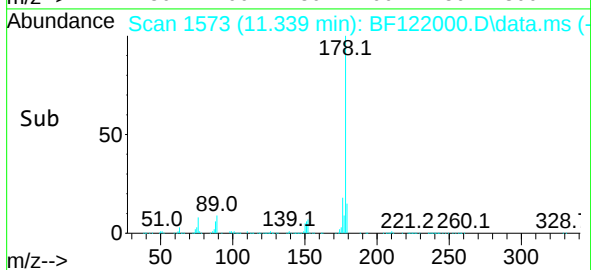
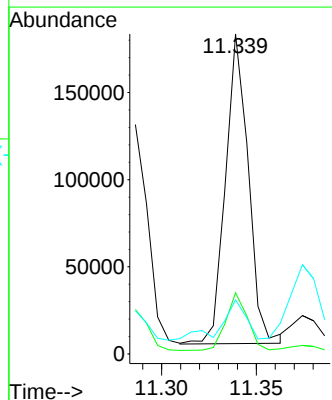
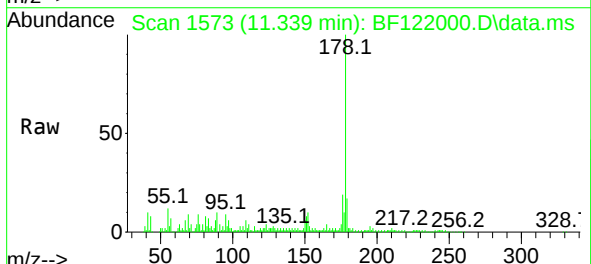
Instrument :
BNA_F
ClientSampled :
TP-2

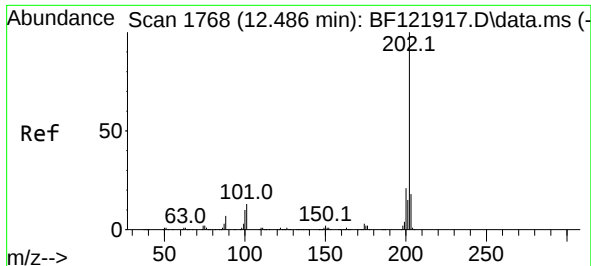
Tgt Ion:178 Resp: 149008
Ion Ratio Lower Upper
178 100
176 19.1 15.9 23.9
179 16.9 12.2 18.4



#72
Anthracene
Concen: 8.18 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50

Tgt Ion:178 Resp: 149008
Ion Ratio Lower Upper
178 100
176 19.1 15.7 23.5
179 16.9 12.7 19.1

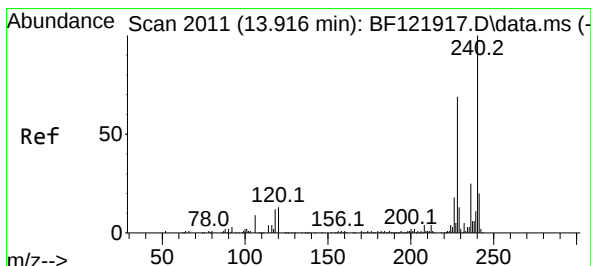
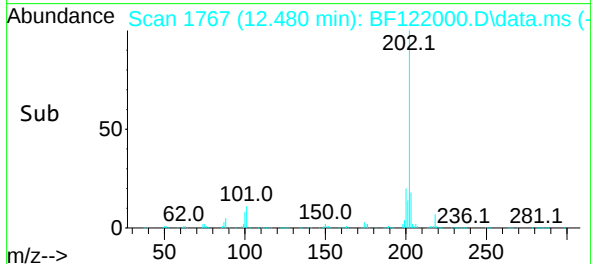
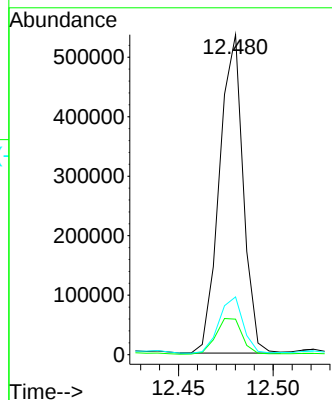
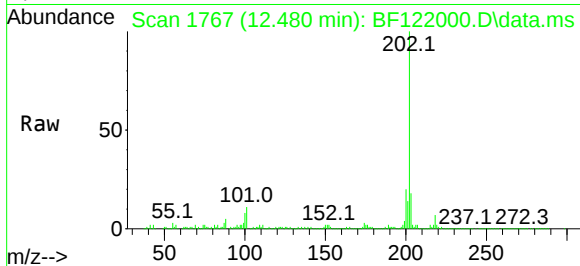




#75
Fluoranthene
Concen: 24.79 ng
RT: 12.480 min Scan# 1767
Delta R.T. -0.000 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50

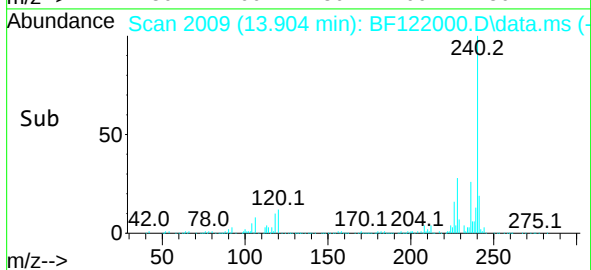
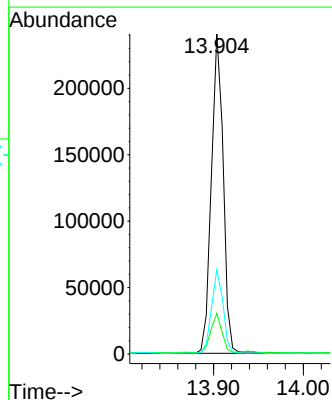
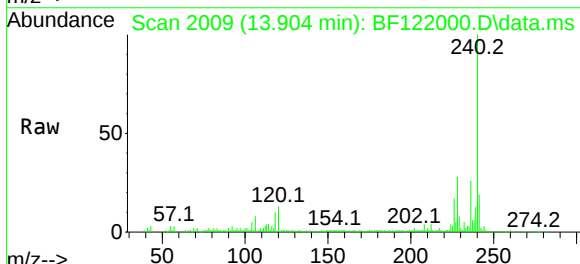
Instrument :
BNA_F
ClientSampled :
TP-2

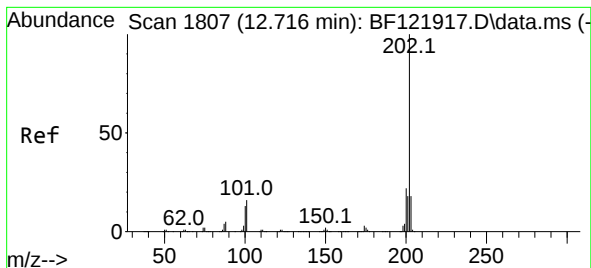
Tgt Ion:202 Resp: 466582
Ion Ratio Lower Upper
202 100
101 11.1 0.0 33.4
203 18.0 0.0 37.9



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.904 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50

Tgt Ion:240 Resp: 220831
Ion Ratio Lower Upper
240 100
120 12.7 9.2 13.8
236 26.3 20.9 31.3





#78

Pyrene

Concen: 38.71 ng

RT: 12.710 min Scan# 1806

Delta R.T. -0.000 min

Lab File: BF122000.D

Acq: 15 Oct 2020 19:50

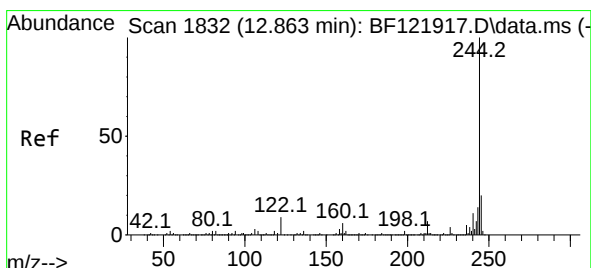
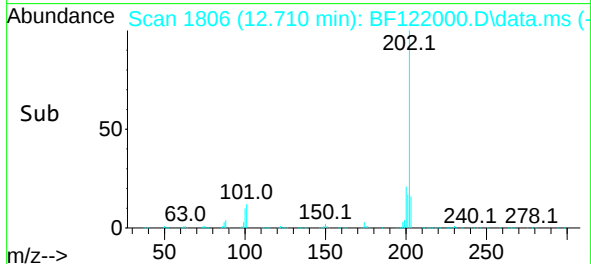
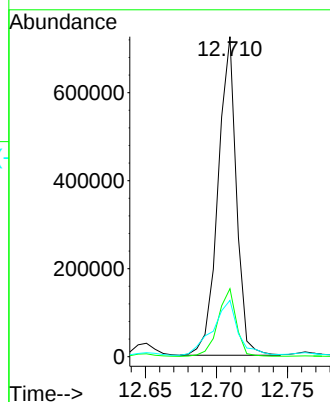
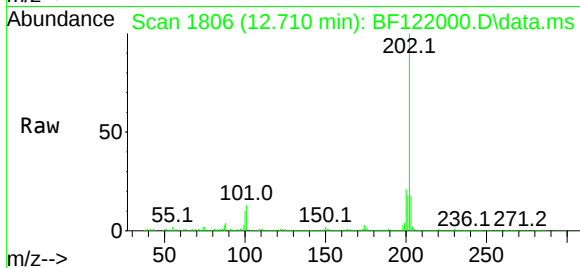
Tgt Ion:202 Resp: 651506

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

203 17.6 14.6 21.8



#79

Terphenyl-d14

Concen: 50.09 ng

RT: 12.845 min Scan# 1829

Delta R.T. -0.006 min

Lab File: BF122000.D

Acq: 15 Oct 2020 19:50

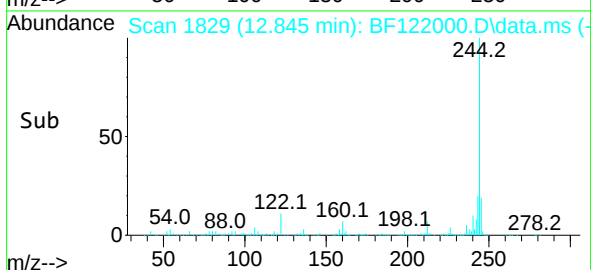
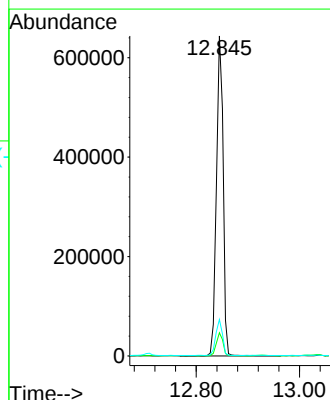
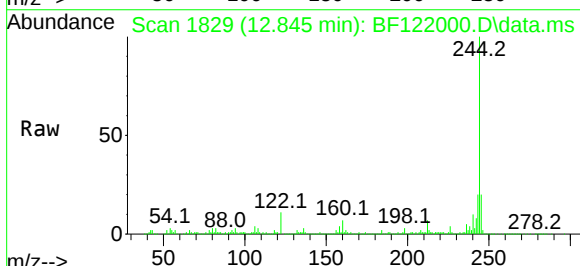
Tgt Ion:244 Resp: 580375

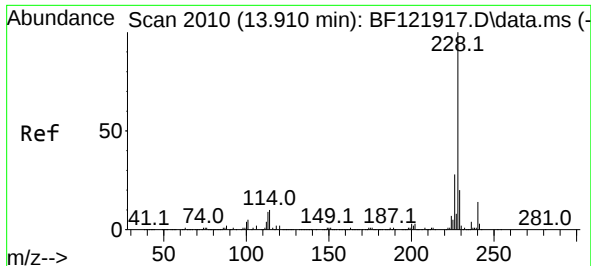
Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.2

122 11.4 8.1 12.1

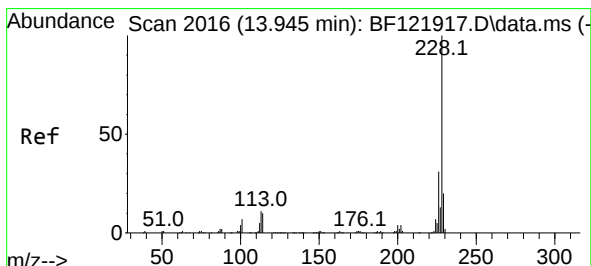
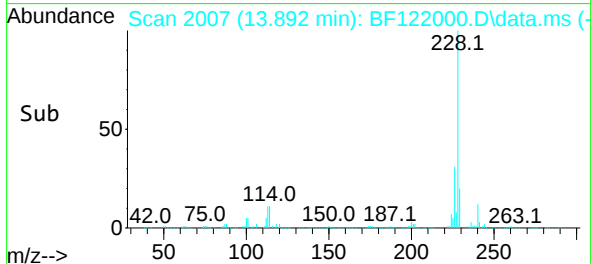
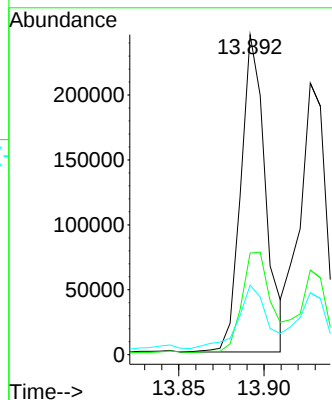
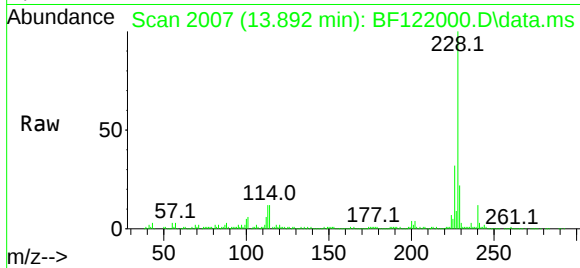




#81
Benzo(a)anthracene
Concen: 16.96 ng
RT: 13.892 min Scan# 2007
Delta R.T. -0.006 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50

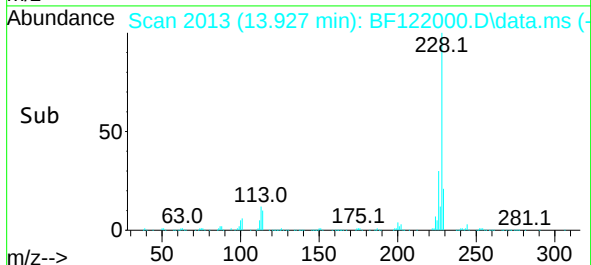
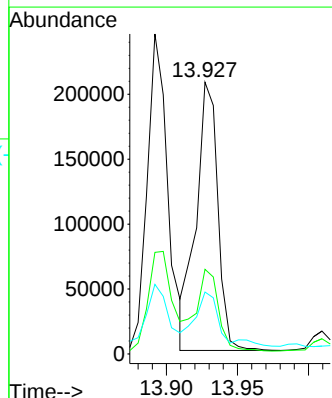
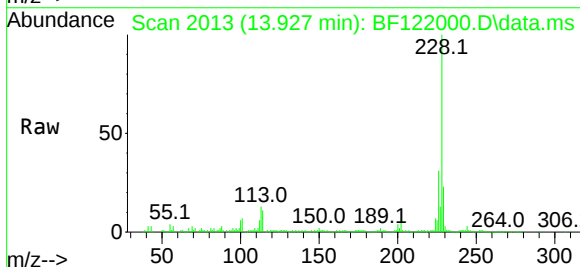
Instrument :
BNA_F
ClientSampleId :
TP-2

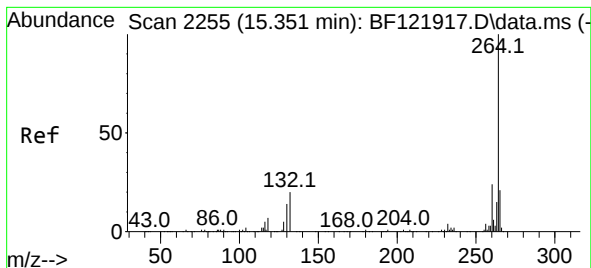
Tgt Ion:228 Resp: 245362
Ion Ratio Lower Upper
228 100
226 31.7 22.3 33.5
229 21.8 16.2 24.4



#83
Chrysene
Concen: 15.53 ng
RT: 13.927 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50

Tgt Ion:228 Resp: 220617
Ion Ratio Lower Upper
228 100
226 31.2 24.6 37.0
229 22.8 15.9 23.9

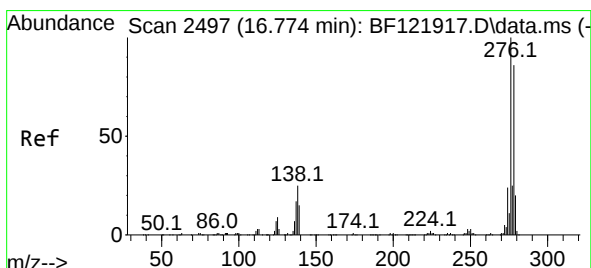
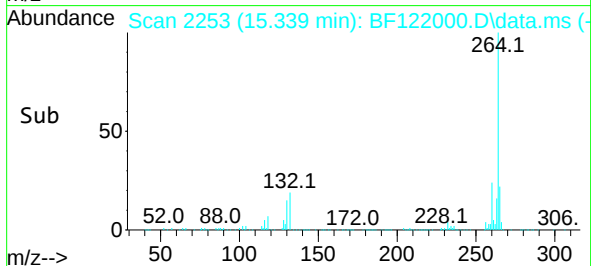
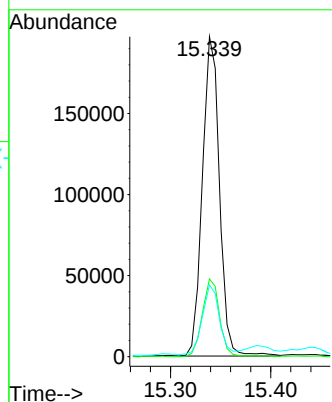
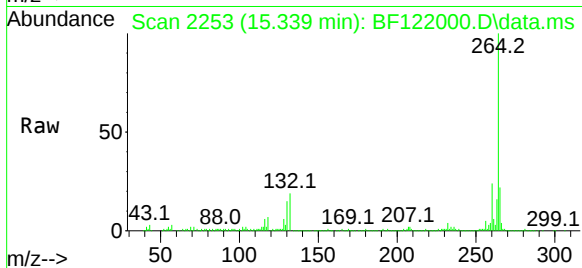




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.339 min Scan# 2253
Delta R.T. -0.000 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50

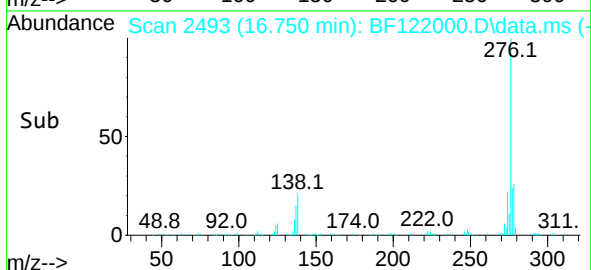
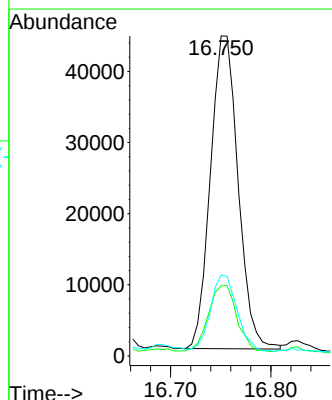
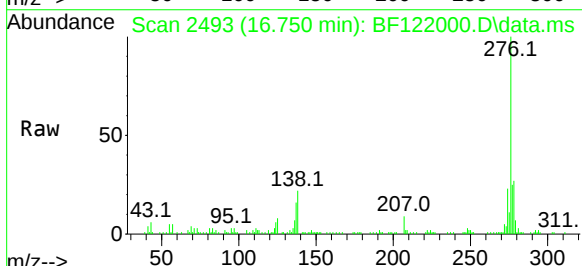
Instrument :
BNA_F
ClientSampled :
TP-2

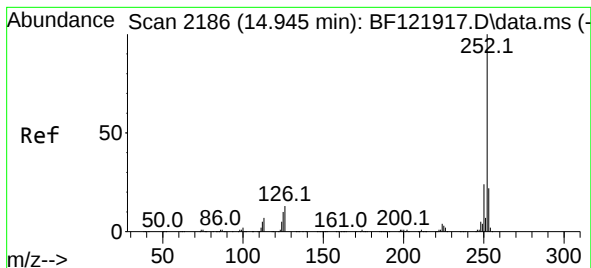
Tgt Ion:264 Resp: 233813
Ion Ratio Lower Upper
264 100
260 24.3 18.7 28.1
265 22.4 17.3 25.9



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.55 ng
RT: 16.750 min Scan# 2493
Delta R.T. -0.012 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50

Tgt Ion:276 Resp: 84277
Ion Ratio Lower Upper
276 100
138 21.9 19.9 29.9
277 23.5 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 16.01 ng

RT: 14.933 min Scan# 2184

Delta R.T. -0.000 min

Lab File: BF122000.D

Acq: 15 Oct 2020 19:50

Tgt Ion:252 Resp: 253080

Ion Ratio Lower Upper

252 100

253 22.6 18.2 27.2

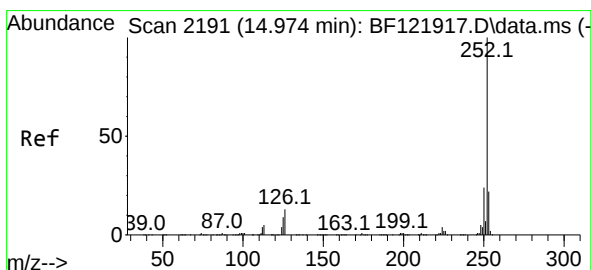
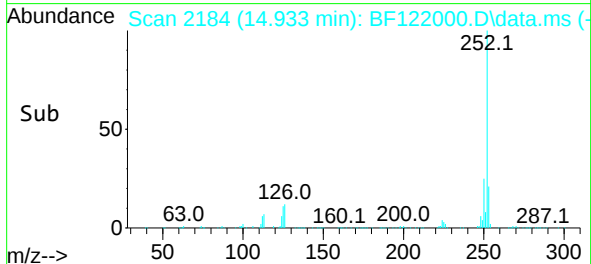
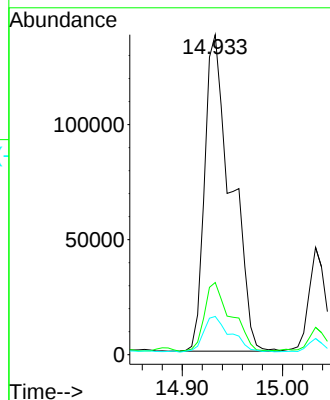
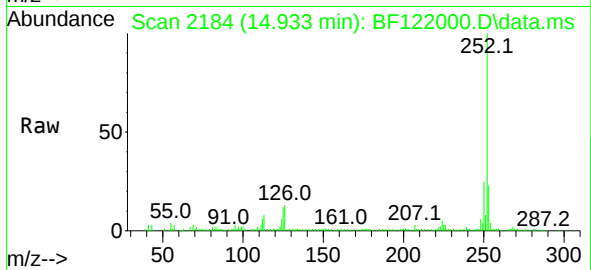
125 12.0 8.0 12.0

Instrument :

BNA_F

ClientSampled :

TP-2



#89

Benzo(k)fluoranthene

Concen: 16.86 ng

RT: 14.933 min Scan# 2184

Delta R.T. -0.029 min

Lab File: BF122000.D

Acq: 15 Oct 2020 19:50

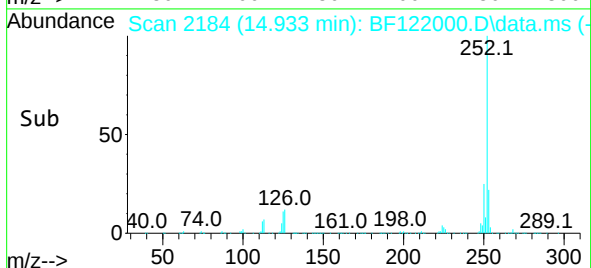
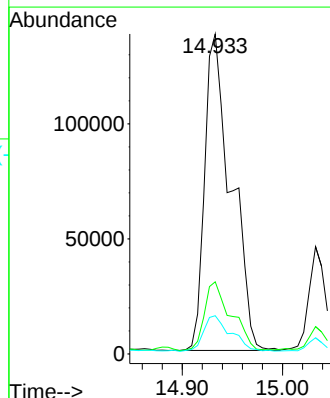
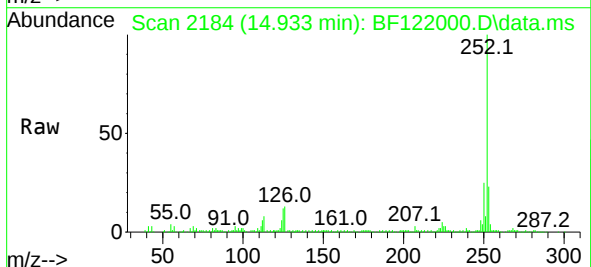
Tgt Ion:252 Resp: 253080

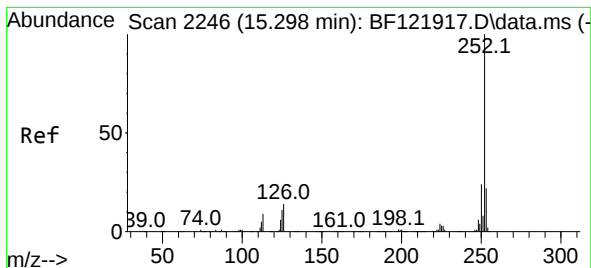
Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.6

125 12.0 7.7 11.5#

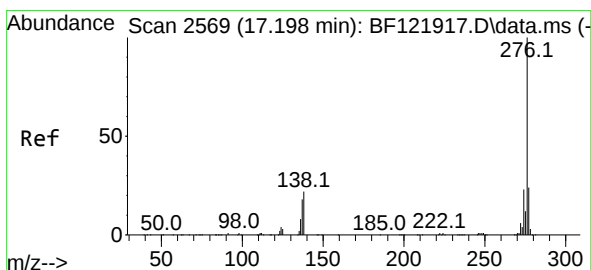
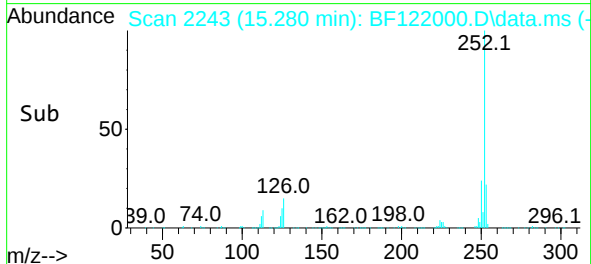
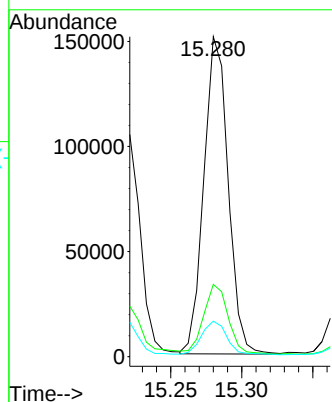
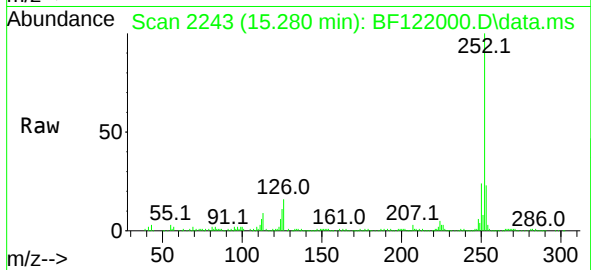




#90
Benzo(a)pyrene
Concen: 13.20 ng
RT: 15.280 min Scan# 2243
Delta R.T. -0.006 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50

Instrument :
BNA_F
ClientSampleId :
TP-2

Tgt Ion:252	Resp: 180225
Ion Ratio	Lower Upper
252	100
253	22.6 17.3 25.9
125	11.1 8.6 13.0



#92
Benzo(g,h,i)perylene
Concen: 6.72 ng
RT: 17.180 min Scan# 2566
Delta R.T. -0.006 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50

Tgt Ion:276	Resp: 84071
Ion Ratio	Lower Upper
276	100
277	23.3 19.4 29.2
138	21.9 17.8 26.6

