

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102620\
 Data File : BF122127.D
 Acq On : 26 Oct 2020 21:14
 Operator : JU/CG
 Sample : L4510-16
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

Quant Time: Oct 27 00:56:24 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 26 17:27:32 2020
 Response via : Initial Calibration

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

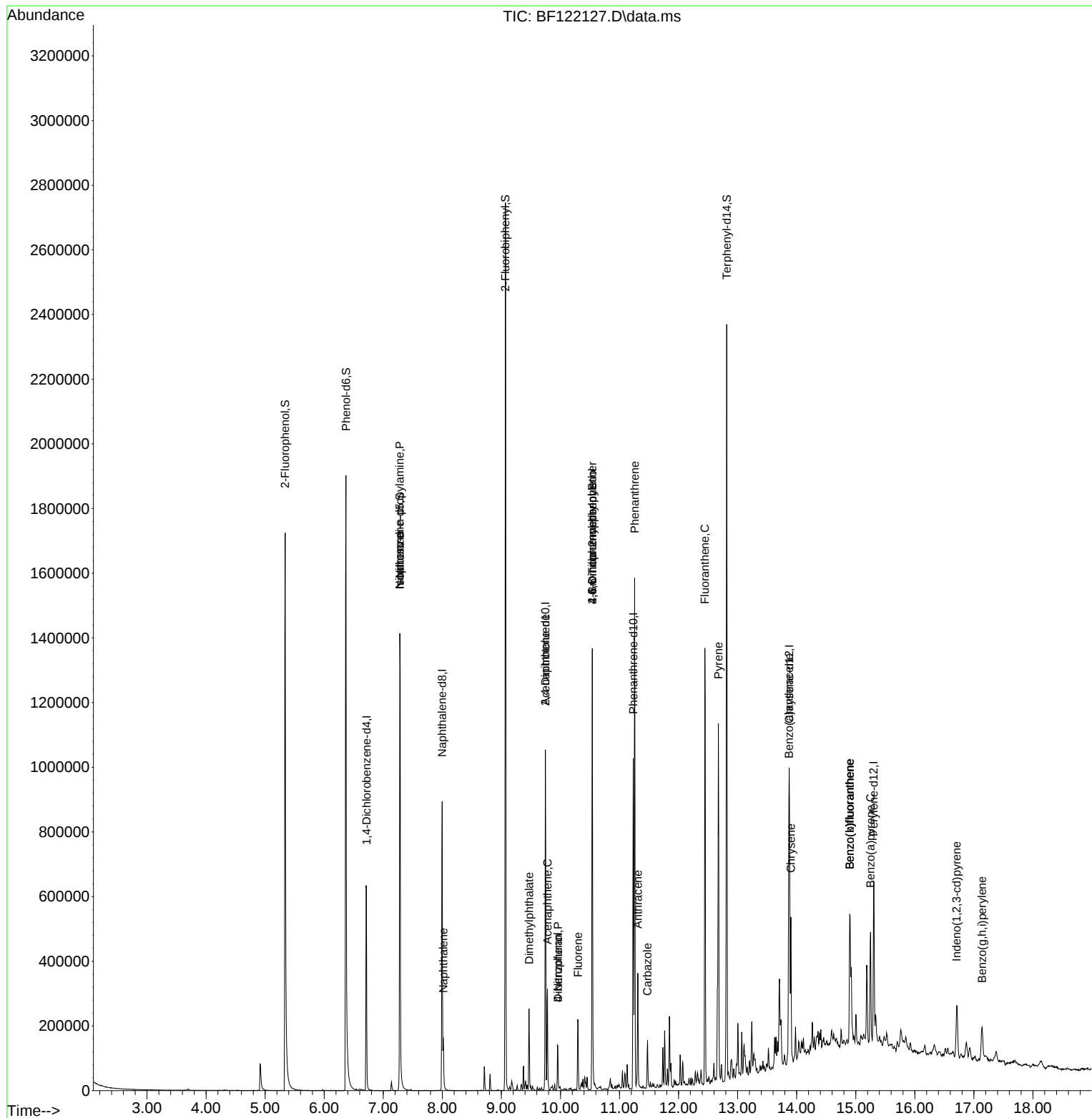
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.716	152	100973	20.00	ng	0.00
21) Naphthalene-d8	7.998	136	391822	20.00	ng	0.00
39) Acenaphthene-d10	9.745	164	194872	20.00	ng	0.00
64) Phenanthrene-d10	11.233	188	336856	20.00	ng	0.00
76) Chrysene-d12	13.874	240	221204	20.00	ng	0.00
86) Perylene-d12	15.304	264	227292	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	546853	79.93	ng	0.00
7) Phenol-d6	6.369	99	703643	79.90	ng	0.00
23) Nitrobenzene-d5	7.281	82	481602	63.04	ng	0.00
42) 2,4,6-Tribromophenol	10.539	330	154258	63.99	ng	0.00
45) 2-Fluorobiphenyl	9.069	172	814835	61.52	ng	0.00
79) Terphenyl-d14	12.816	244	677418	58.36	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.369	77	1264	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	7.281	70	65086	12.98	ng	# 78
25) Isophorone	7.281	82	481598	33.34	ng	# 67
31) Naphthalene	8.016	128	67974	3.24	ng	98
50) Dimethylphthalate	9.469	163	91172	6.40	ng	98
52) Acenaphthene	9.780	154	65981	5.86	ng	99
55) Dibenzofuran	9.957	168	56057	3.41	ng	97
56) 4-Nitrophenol	9.957	139	21091	10.91	ng	# 12
57) 2,4-Dinitrotoluene	9.745	165	26451	6.87	ng	# 20
58) Fluorene	10.298	166	63922	4.82	ng	99
65) 4,6-Dinitro-2-methylph...	10.539	198	190	4.51	ng	# 1
67) 4-Bromophenyl-phenylether	10.539	248	9237	2.37	ng	# 1
71) Phenanthrene	11.257	178	533771	28.90	ng	99
72) Anthracene	11.310	178	125440	6.55	ng	98
73) Carbazole	11.474	167	54775	3.22	ng	98
75) Fluoranthene	12.445	202	531229	26.82	ng	99
78) Pyrene	12.674	202	437982	25.98	ng	99
81) Benzo(a)anthracene	13.868	228	216831	14.96	ng	99
83) Chrysene	13.904	228	178966	12.58	ng	97
87) Indeno(1,2,3-cd)pyrene	16.709	276	93795	6.36	ng	96
88) Benzo(b)fluoranthene	14.898	252	299986	19.53	ng	98
89) Benzo(k)fluoranthene	14.898	252	299986	20.55	ng	# 98
90) Benzo(a)pyrene	15.251	252	164311	12.38	ng	99
92) Benzo(g,h,i)perylene	17.139	276	84319	6.93	ng	97

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

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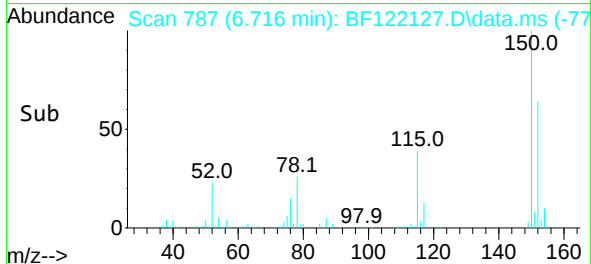
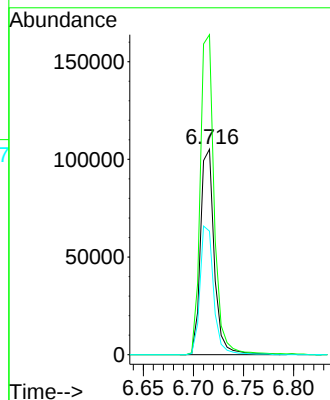
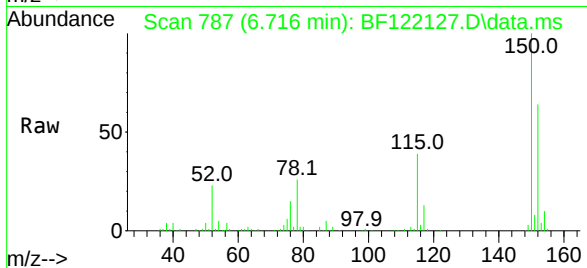




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.716 min Scan# 787
Delta R.T. -0.000 min
Lab File: BF122127.D
Acq: 26 Oct 2020 21:14

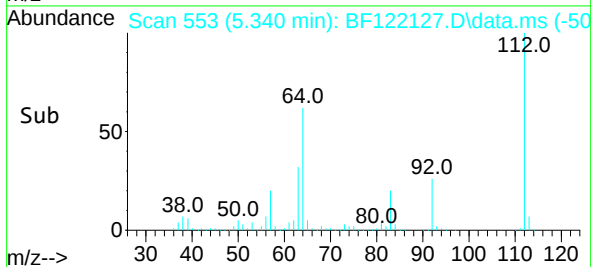
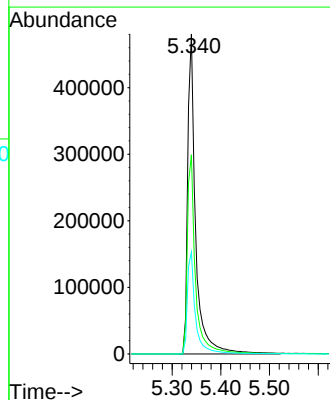
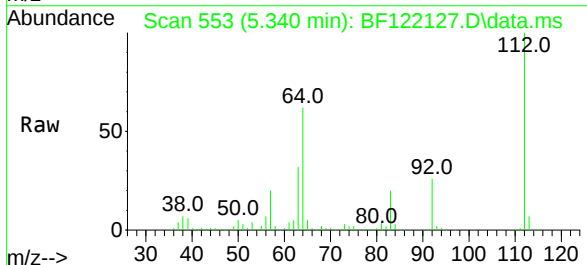
Instrument :
BNA_F
ClientSampleId :
COMP-1

Tgt Ion:152 Resp: 100973
Ion Ratio Lower Upper
152 100
150 155.8 125.3 187.9
115 60.1 51.9 77.9



#5
2-Fluorophenol
Concen: 79.93 ng
RT: 5.340 min Scan# 553
Delta R.T. 0.006 min
Lab File: BF122127.D
Acq: 26 Oct 2020 21:14

Tgt Ion:112 Resp: 546853
Ion Ratio Lower Upper
112 100
64 62.2 50.4 75.6
63 31.9 25.8 38.6

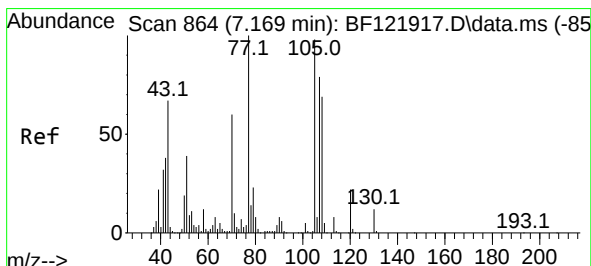
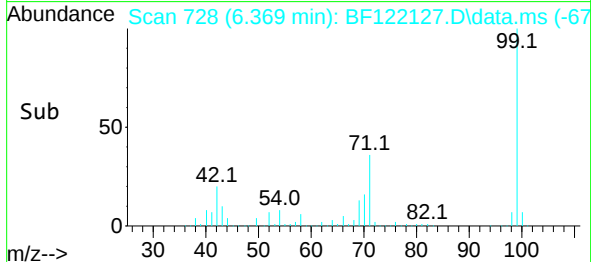
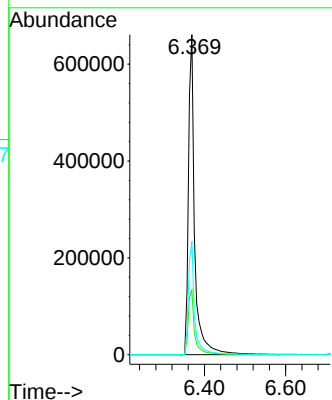
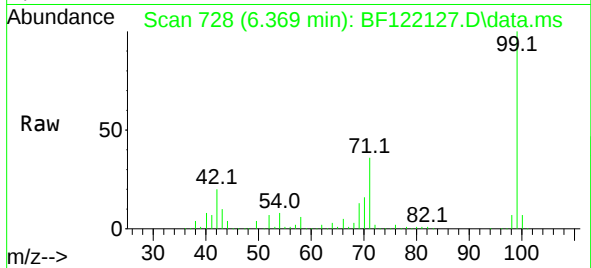




#7
Phenol-d6
Concen: 79.90 ng
RT: 6.369 min Scan# 728
Delta R.T. -0.000 min
Lab File: BF122127.D
Acq: 26 Oct 2020 21:14

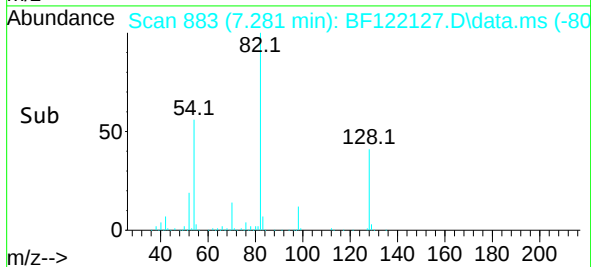
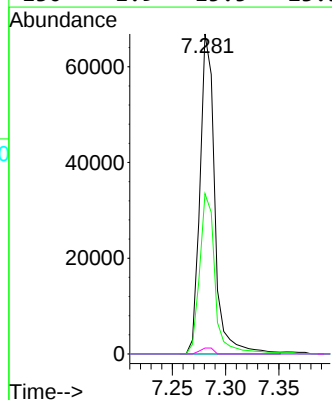
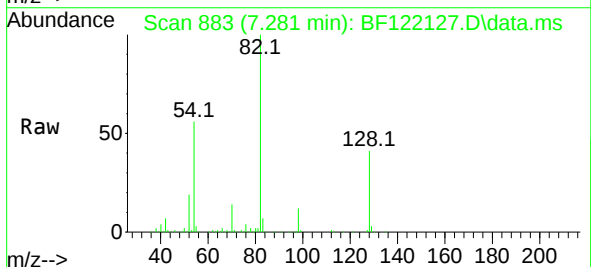
Instrument :
BNA_F
ClientSampleId :
COMP-1

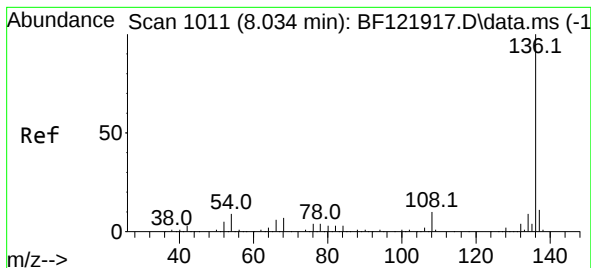
Tgt Ion: 99 Resp: 703643
Ion Ratio Lower Upper
99 100
42 20.2 15.9 23.9
71 35.5 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 12.98 ng
RT: 7.281 min Scan# 883
Delta R.T. 0.141 min
Lab File: BF122127.D
Acq: 26 Oct 2020 21:14

Tgt Ion: 70 Resp: 65086
Ion Ratio Lower Upper
70 100
42 50.1 50.2 75.4#
101 0.0 7.5 11.3#
130 1.9 15.5 23.3#

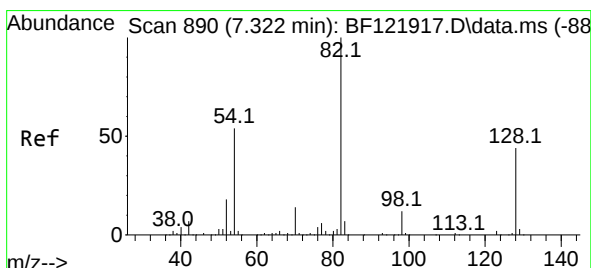
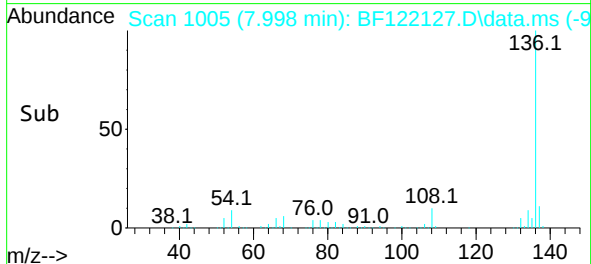
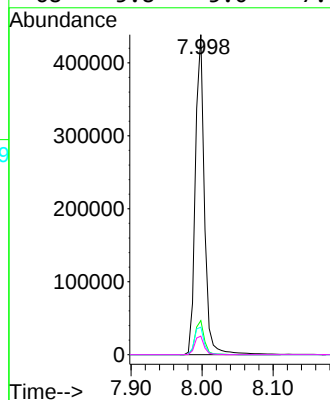
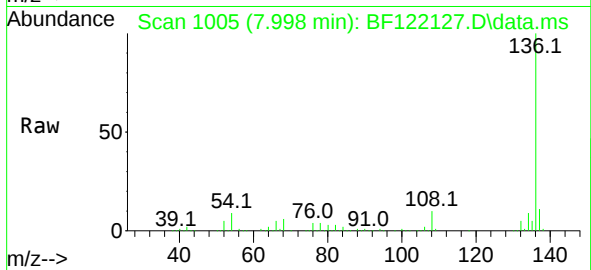




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.998 min Scan# 1005
Delta R.T. -0.000 min
Lab File: BF122127.D
Acq: 26 Oct 2020 21:14

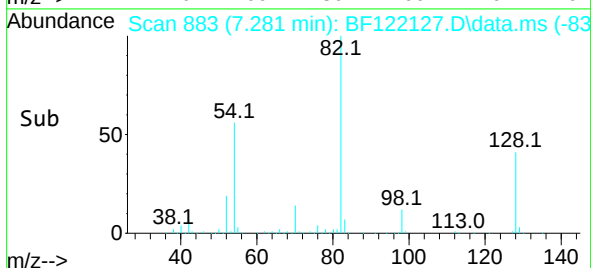
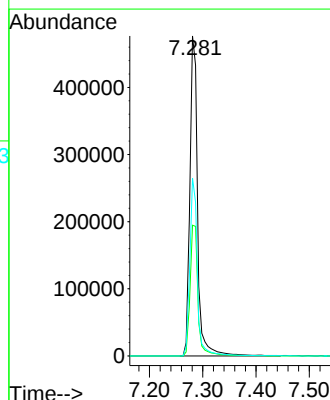
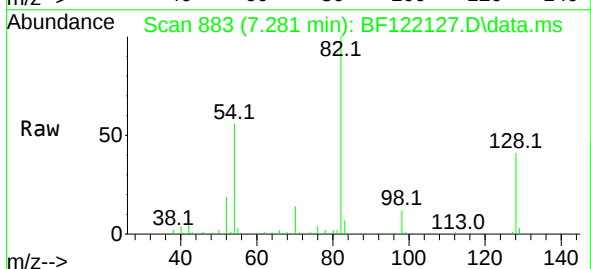
Instrument :
BNA_F
ClientSampleId :
COMP-1

Tgt Ion:	136	Resp:	391822
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.6	13.0
54	8.6	7.1	10.7
68	5.8	5.0	7.4



#23
Nitrobenzene-d5
Concen: 63.04 ng
RT: 7.281 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF122127.D
Acq: 26 Oct 2020 21:14

Tgt Ion:	82	Resp:	481602
Ion Ratio	Lower	Upper	
82	100		
128	40.8	35.0	52.4
54	55.6	43.9	65.9

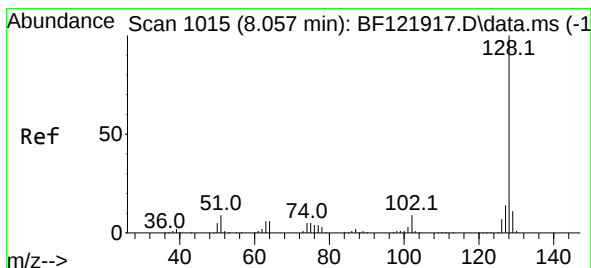
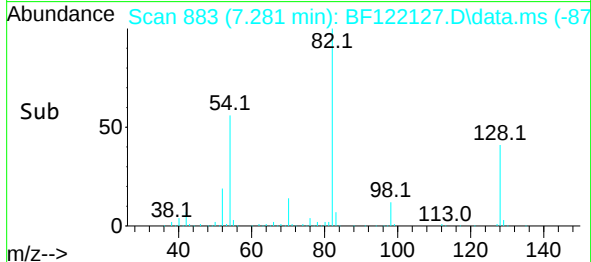
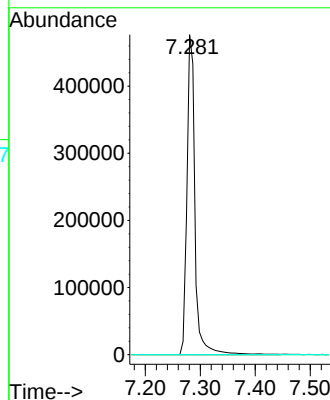
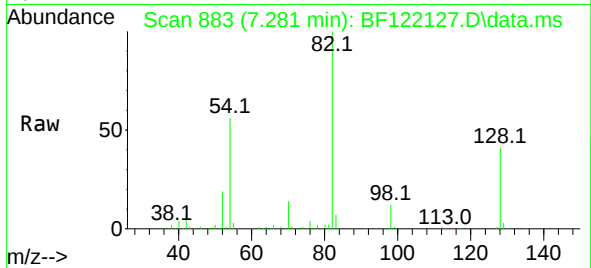




#25
Isophorone
Concen: 33.34 ng
RT: 7.281 min Scan# 883
Delta R.T. -0.265 min
Lab File: BF122127.D
Acq: 26 Oct 2020 21:14

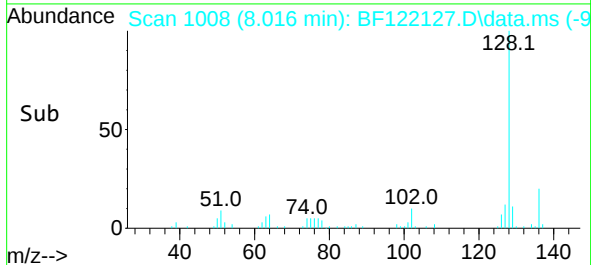
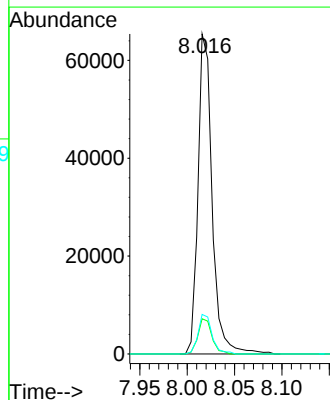
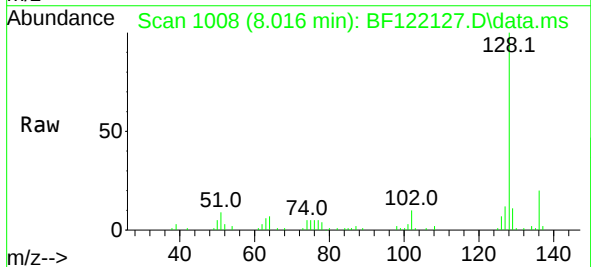
Instrument :
BNA_F
ClientSampleId :
COMP-1

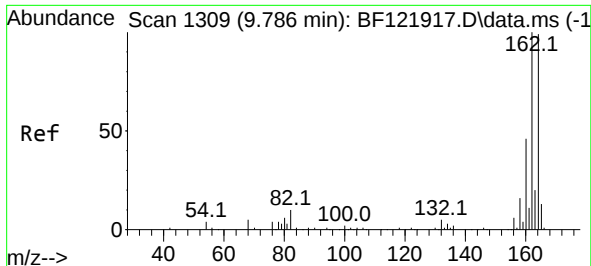
Tgt Ion: 82 Resp: 481598
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.0#



#31
Naphthalene
Concen: 3.24 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF122127.D
Acq: 26 Oct 2020 21:14

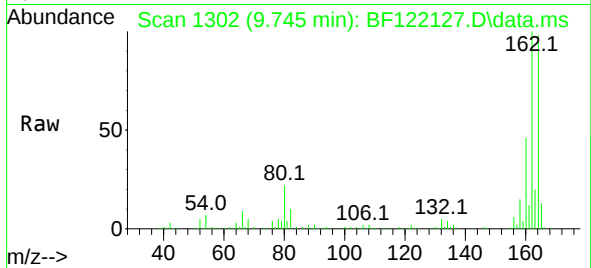
Tgt Ion: 128 Resp: 67974
Ion Ratio Lower Upper
128 100
129 11.0 8.7 13.1
127 12.4 10.8 16.2



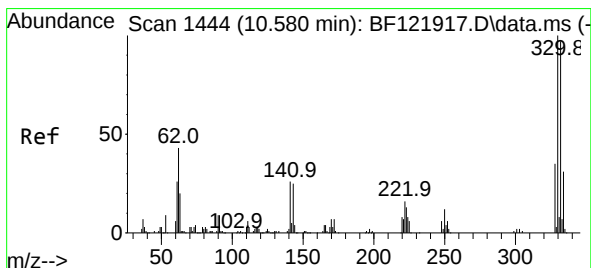
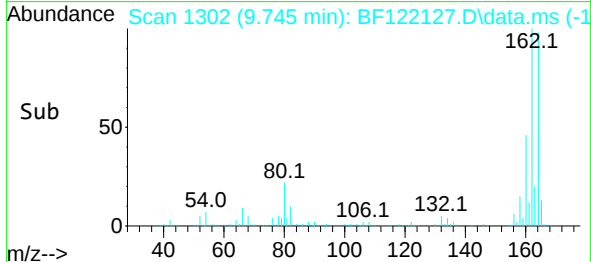
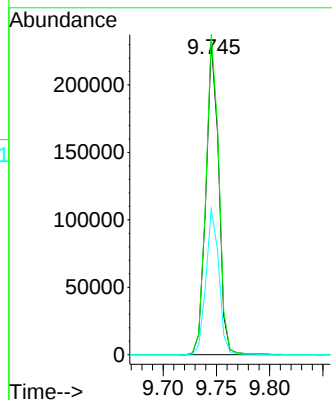


#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BF122127.D
Acq: 26 Oct 2020 21:14

Instrument :
BNA_F
ClientSampleId :
COMP-1

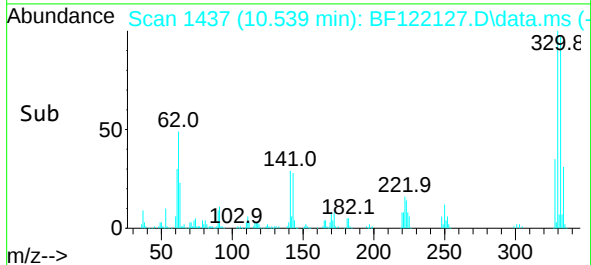
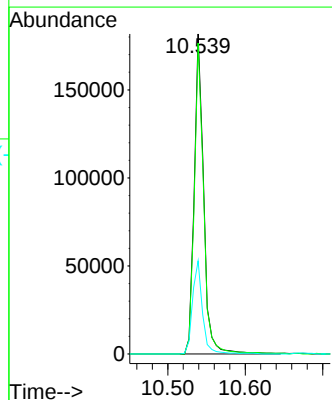
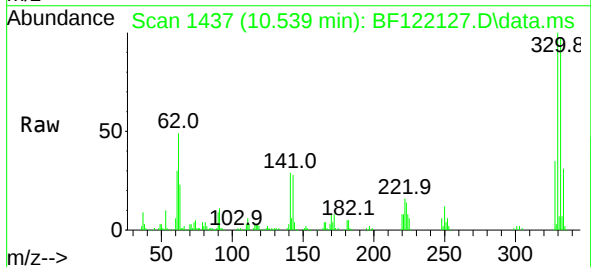


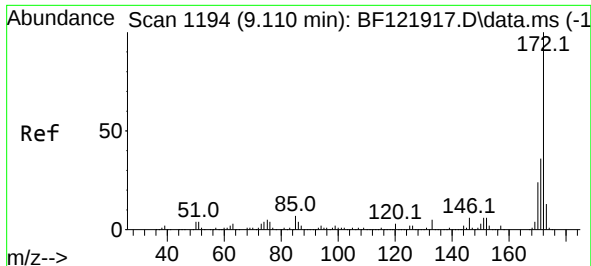
Tgt Ion:164 Resp: 194872
Ion Ratio Lower Upper
164 100
162 102.3 83.2 124.8
160 46.6 37.5 56.3



#42
2,4,6-Tribromophenol
Concen: 63.99 ng
RT: 10.539 min Scan# 1437
Delta R.T. -0.006 min
Lab File: BF122127.D
Acq: 26 Oct 2020 21:14

Tgt Ion:330 Resp: 154258
Ion Ratio Lower Upper
330 100
332 96.5 77.3 115.9
141 30.8 22.3 33.5

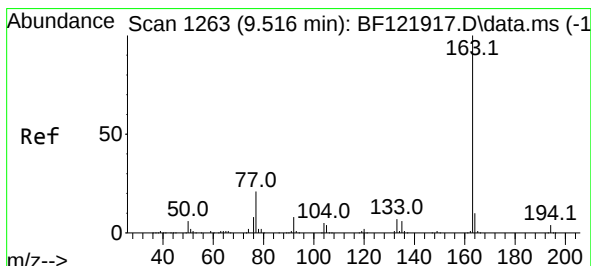
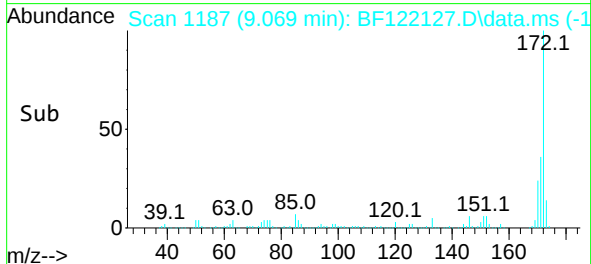
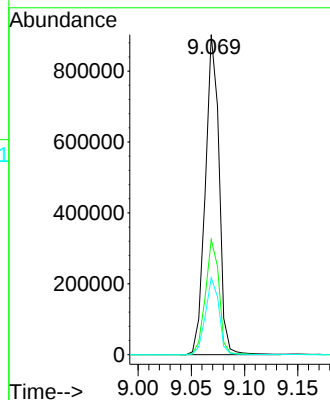
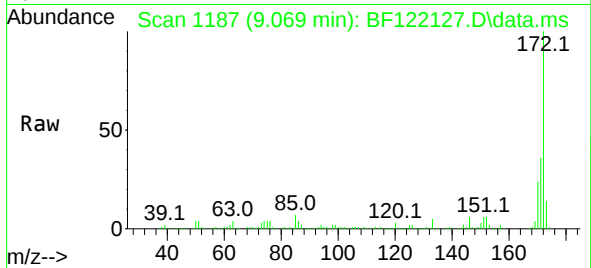




#45
2-Fluorobiphenyl
Concen: 61.52 ng
RT: 9.069 min Scan# 1187
Delta R.T. -0.006 min
Lab File: BF122127.D
Acq: 26 Oct 2020 21:14

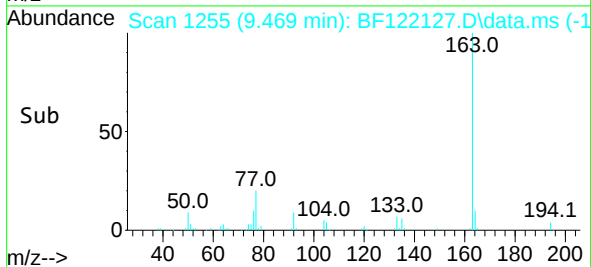
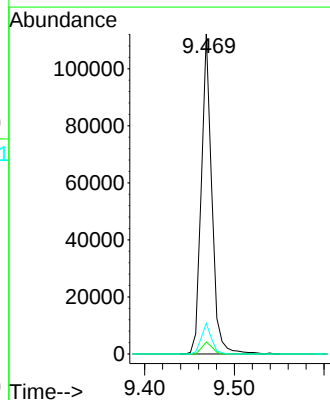
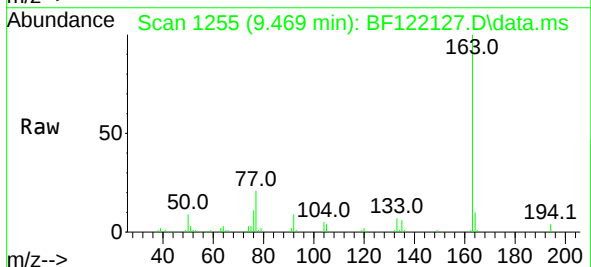
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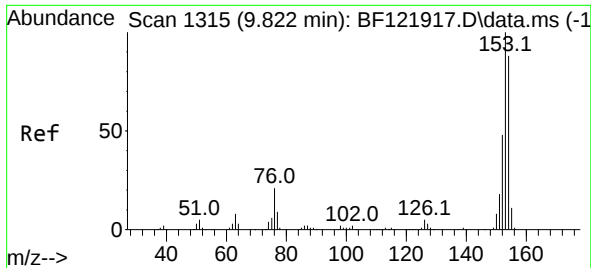
Tgt Ion:172 Resp: 814835
Ion Ratio Lower Upper
172 100
171 35.9 29.1 43.7
170 24.1 19.8 29.6



#50
Dimethylphthalate
Concen: 6.40 ng
RT: 9.469 min Scan# 1255
Delta R.T. -0.012 min
Lab File: BF122127.D
Acq: 26 Oct 2020 21:14

Tgt Ion:163 Resp: 91172
Ion Ratio Lower Upper
163 100
194 3.8 3.3 4.9
164 9.6 8.2 12.4

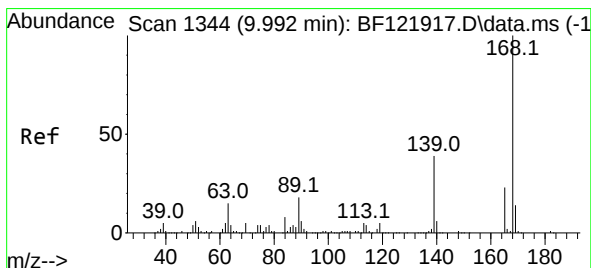
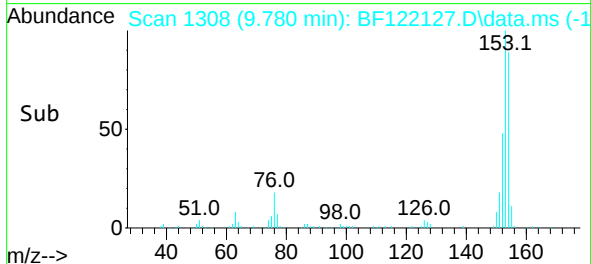
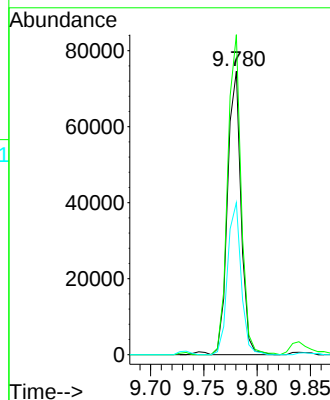
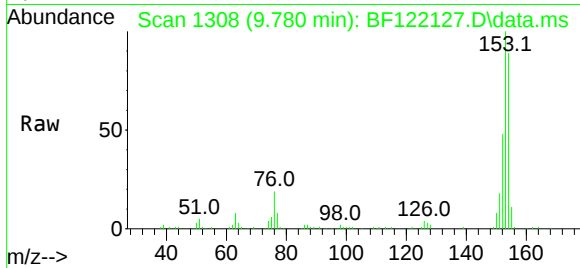




#52
Acenaphthene
Concen: 5.86 ng
RT: 9.780 min Scan# 1308
Delta R.T. -0.006 min
Lab File: BF122127.D
Acq: 26 Oct 2020 21:14

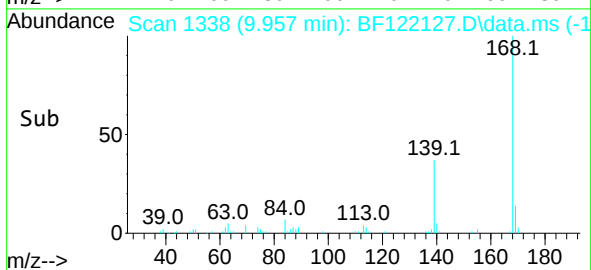
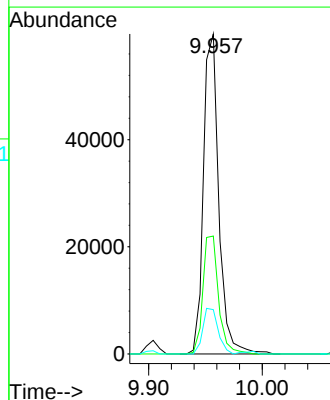
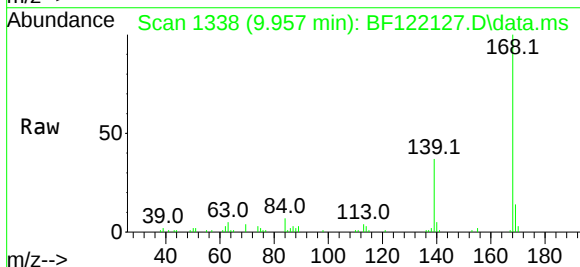
Instrument :
BNA_F
ClientSampled :
COMP-1

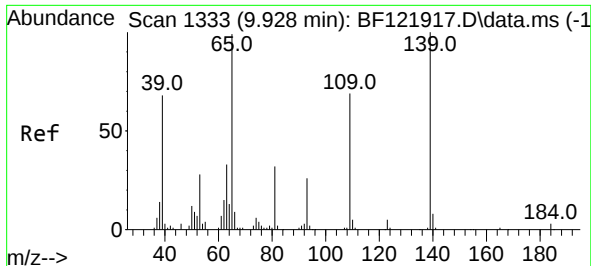
Tgt Ion:154 Resp: 65981
Ion Ratio Lower Upper
154 100
153 112.9 89.8 134.8
152 53.6 43.2 64.8



#55
Dibenzofuran
Concen: 3.41 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.000 min
Lab File: BF122127.D
Acq: 26 Oct 2020 21:14

Tgt Ion:168 Resp: 56057
Ion Ratio Lower Upper
168 100
139 36.8 31.0 46.6
169 13.9 11.3 16.9

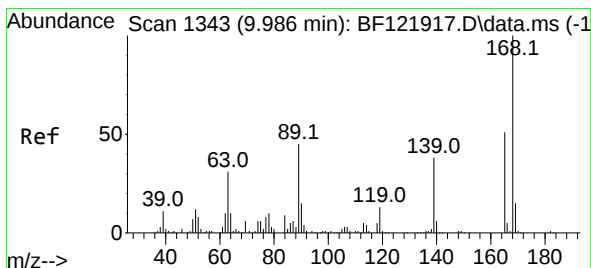
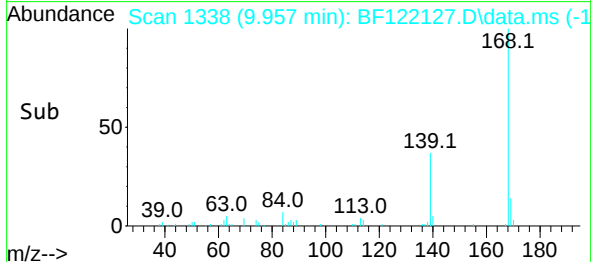
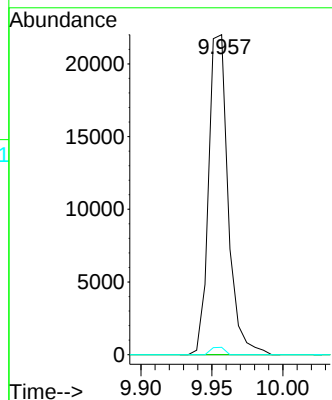
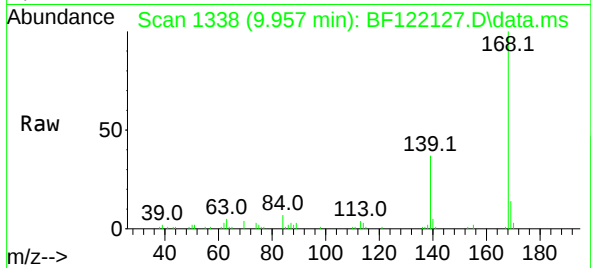




#56
4-Nitrophenol
Concen: 10.91 ng
RT: 9.957 min Scan# 1338
Delta R.T. 0.047 min
Lab File: BF122127.D
Acq: 26 Oct 2020 21:14

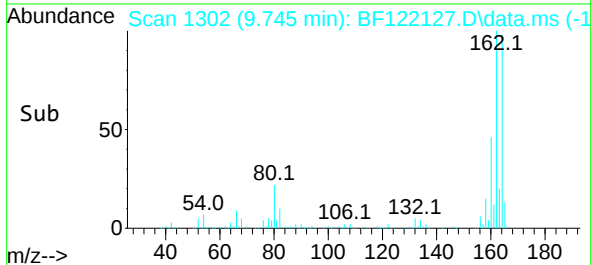
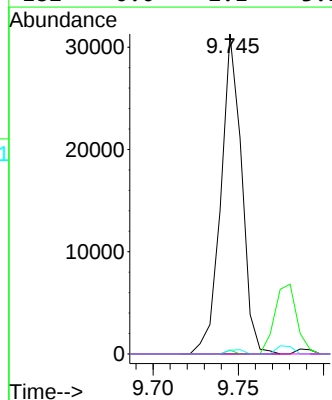
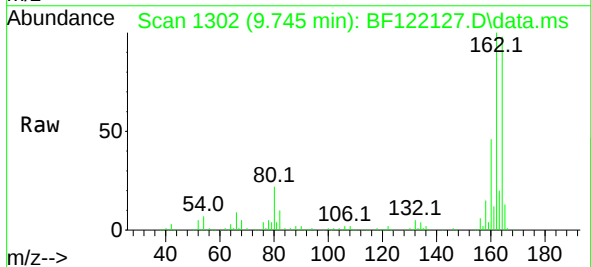
Instrument :
BNA_F
ClientSampleId :
COMP-1

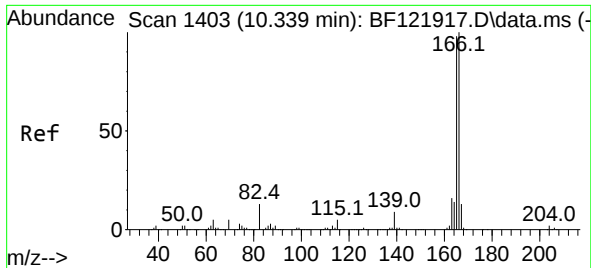
Tgt Ion:139 Resp: 21091
Ion Ratio Lower Upper
139 100
109 0.0 45.4 85.4#
65 2.3 68.4 108.4#



#57
2,4-Dinitrotoluene
Concen: 6.87 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.218 min
Lab File: BF122127.D
Acq: 26 Oct 2020 21:14

Tgt Ion:165 Resp: 26451
Ion Ratio Lower Upper
165 100
63 1.2 41.3 61.9#
89 1.1 61.8 92.8#
182 0.0 2.1 3.1#

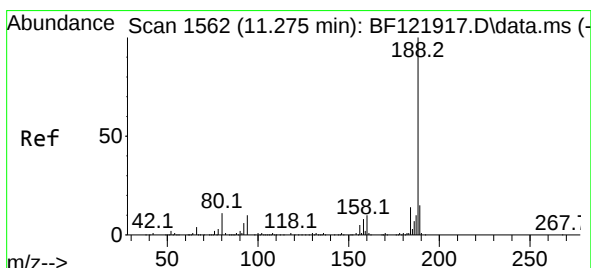
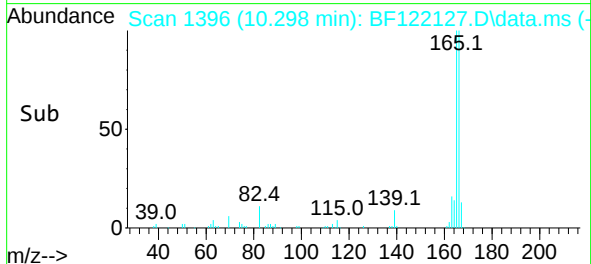
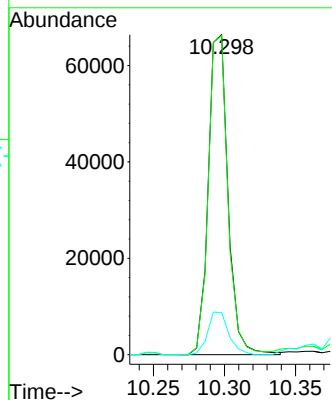
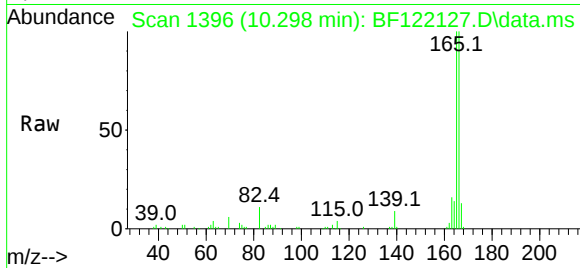




#58
Fluorene
Concen: 4.82 ng
RT: 10.298 min Scan# 1396
Delta R.T. -0.000 min
Lab File: BF122127.D
Acq: 26 Oct 2020 21:14

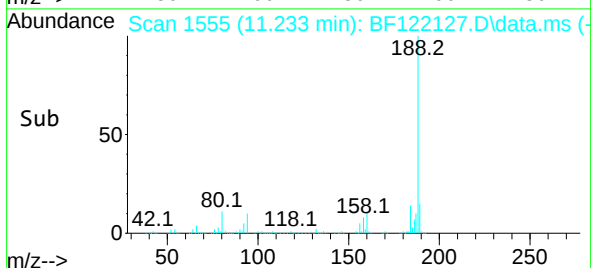
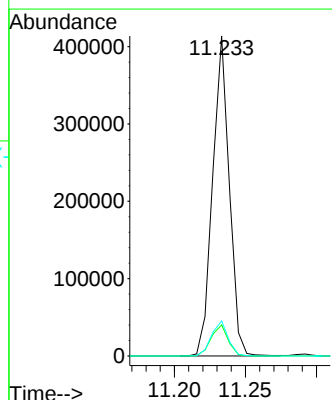
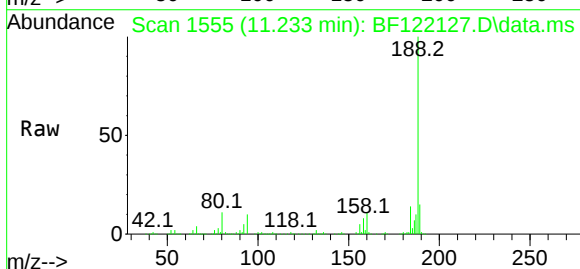
Instrument :
BNA_F
ClientSampleId :
COMP-1

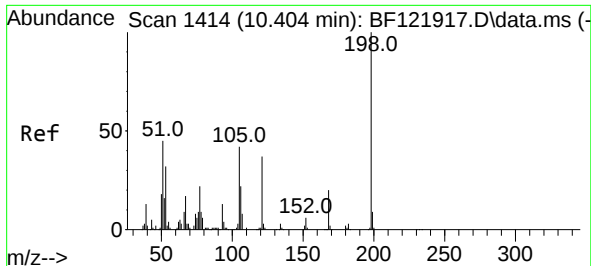
Tgt Ion:166 Resp: 63922
Ion Ratio Lower Upper
166 100
165 99.7 79.1 118.7
167 13.1 11.0 16.6



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.233 min Scan# 1555
Delta R.T. -0.000 min
Lab File: BF122127.D
Acq: 26 Oct 2020 21:14

Tgt Ion:188 Resp: 336856
Ion Ratio Lower Upper
188 100
94 9.7 8.3 12.5
80 10.9 9.1 13.7

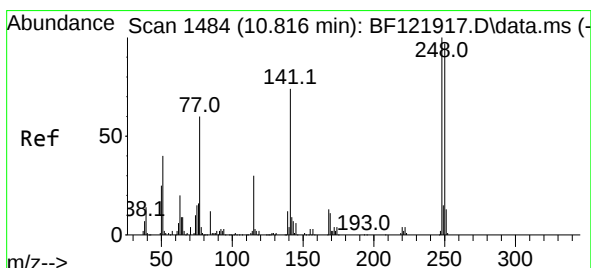
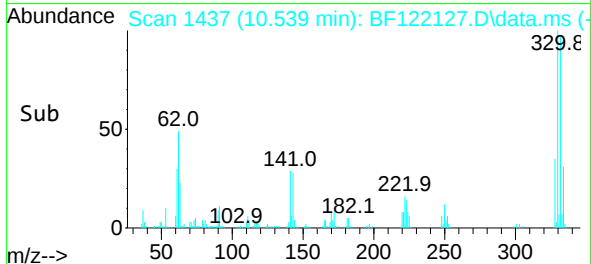
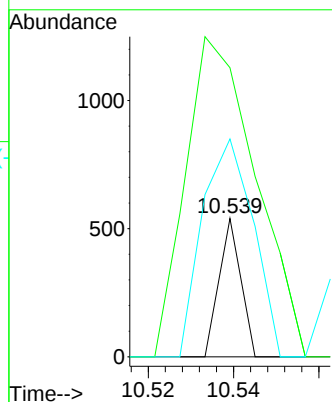
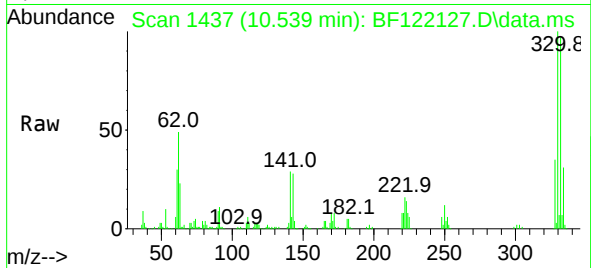




#65
4,6-Dinitro-2-methylphenol
Concen: 4.51 ng
RT: 10.539 min Scan# 1437
Delta R.T. 0.165 min
Lab File: BF122127.D
Acq: 26 Oct 2020 21:14

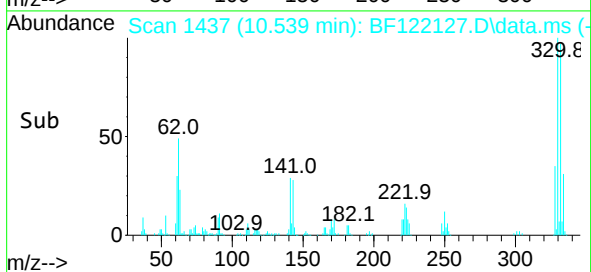
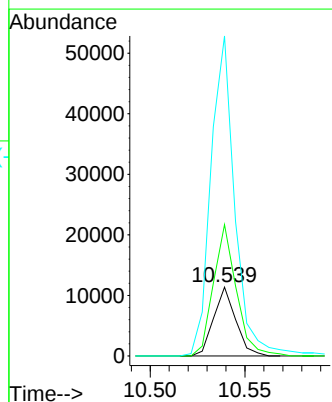
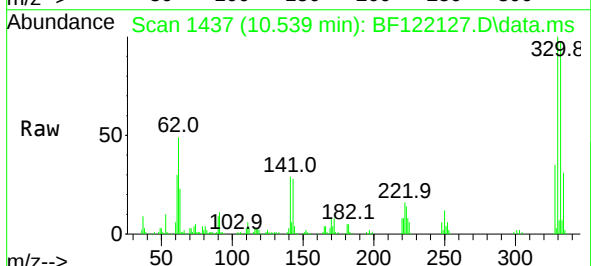
Instrument :
BNA_F
ClientSampled :
COMP-1

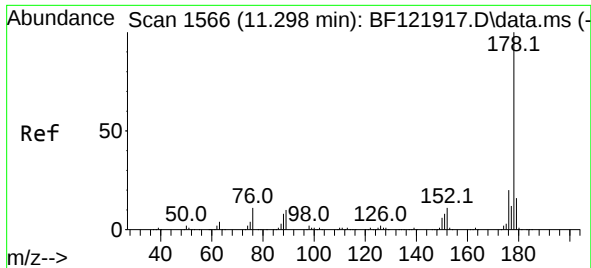
Tgt Ion:198 Resp: 190
Ion Ratio Lower Upper
198 100
51 208.9 29.6 69.6#
105 157.4 24.4 64.4#



#67
4-Bromophenyl-phenylether
Concen: 2.37 ng
RT: 10.539 min Scan# 1437
Delta R.T. -0.235 min
Lab File: BF122127.D
Acq: 26 Oct 2020 21:14

Tgt Ion:248 Resp: 9237
Ion Ratio Lower Upper
248 100
250 191.0 77.0 115.6#
141 465.6 53.7 80.5#

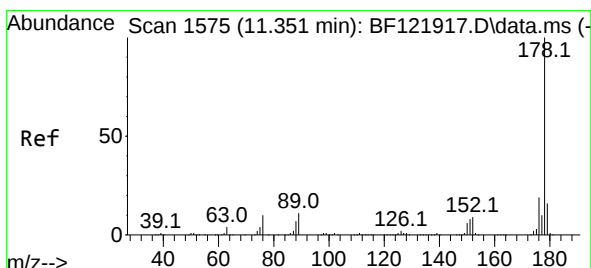
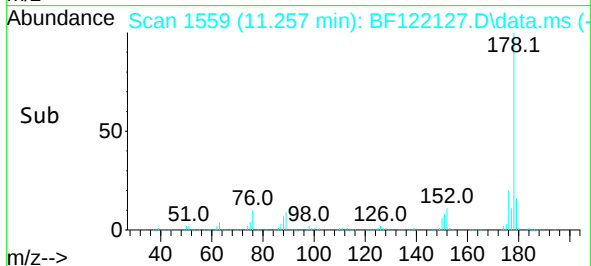
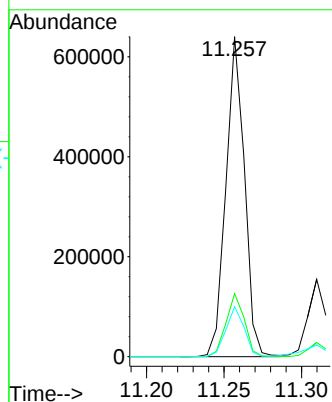
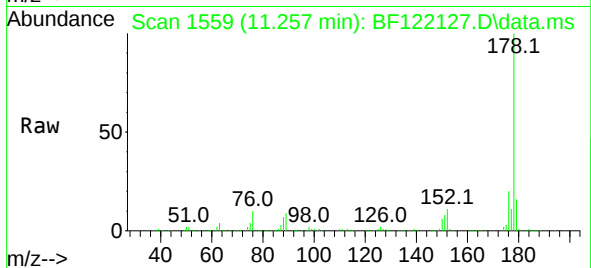




#71
Phenanthrene
Concen: 28.90 ng
RT: 11.257 min Scan# 1559
Delta R.T. -0.006 min
Lab File: BF122127.D
Acq: 26 Oct 2020 21:14

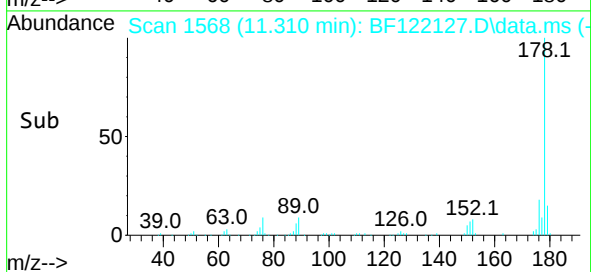
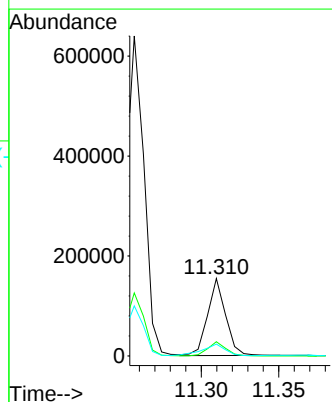
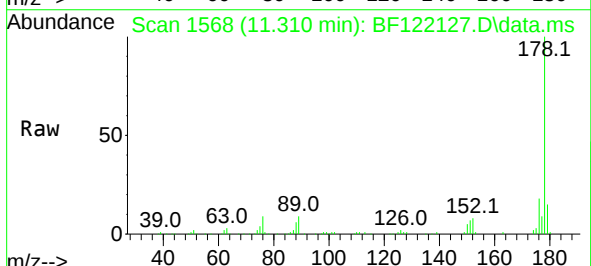
Instrument :
BNA_F
ClientSampleId :
COMP-1

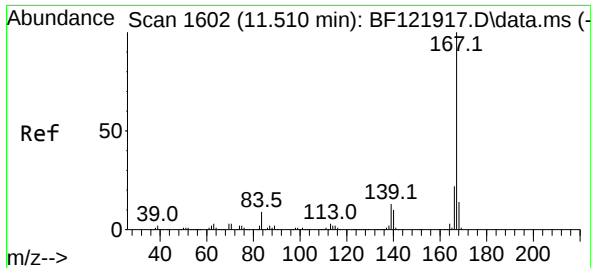
Tgt Ion:178 Resp: 533771
Ion Ratio Lower Upper
178 100
176 19.7 15.9 23.9
179 15.7 12.2 18.4



#72
Anthracene
Concen: 6.55 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF122127.D
Acq: 26 Oct 2020 21:14

Tgt Ion:178 Resp: 125440
Ion Ratio Lower Upper
178 100
176 18.5 15.7 23.5
179 15.2 12.7 19.1

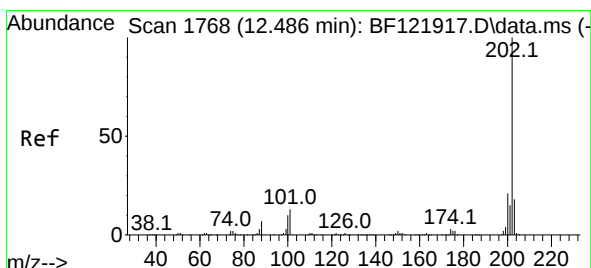
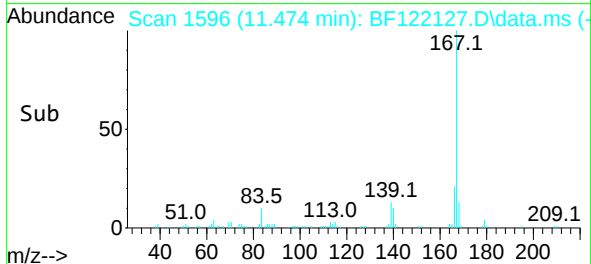
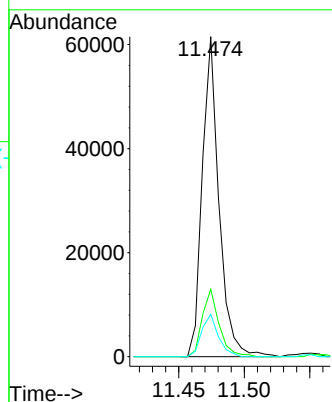
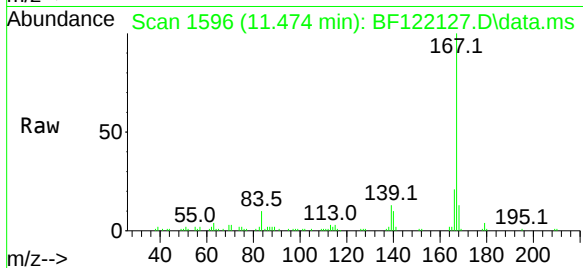




#73
 Carbazole
 Concen: 3.22 ng
 RT: 11.474 min Scan# 1596
 Delta R.T. -0.000 min
 Lab File: BF122127.D
 Acq: 26 Oct 2020 21:14

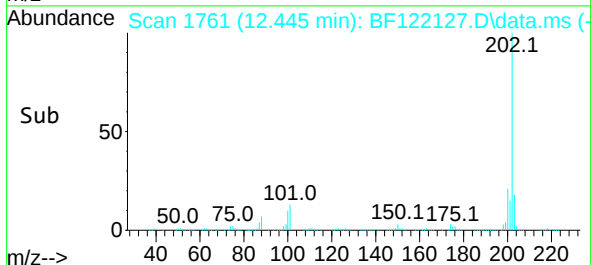
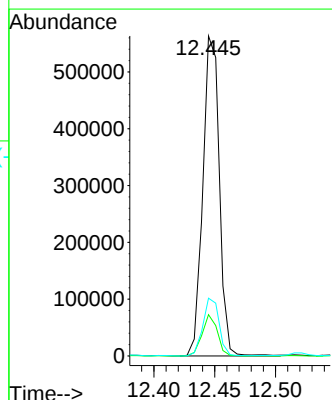
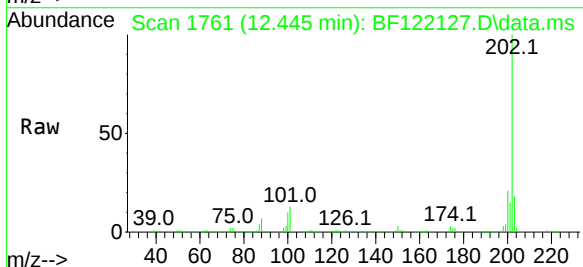
Instrument :
 BNA_F
 ClientSampleID :
 COMP-1

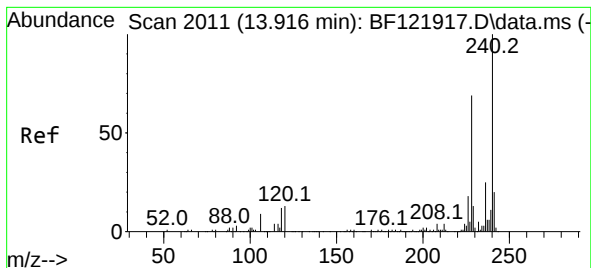
Tgt Ion:167	Resp:	54775
Ion Ratio	Lower	Upper
167	100	
166	21.1	17.8 26.6
139	13.3	10.8 16.2



#75
 Fluoranthene
 Concen: 26.82 ng
 RT: 12.445 min Scan# 1761
 Delta R.T. -0.006 min
 Lab File: BF122127.D
 Acq: 26 Oct 2020 21:14

Tgt Ion:202	Resp:	531229
Ion Ratio	Lower	Upper
202	100	
101	12.9	0.0 33.4
203	18.0	0.0 37.9

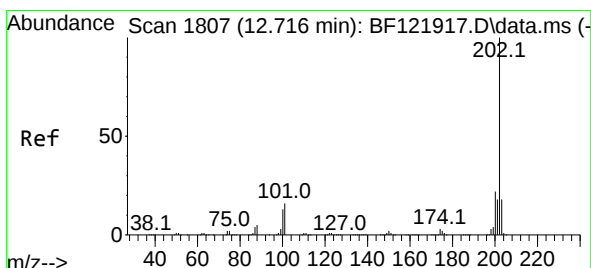
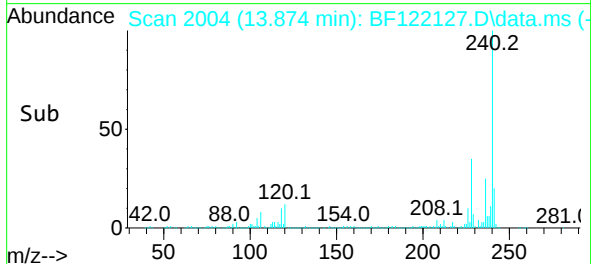
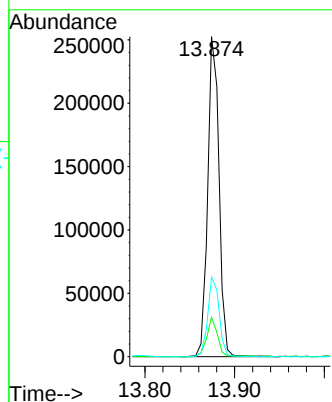
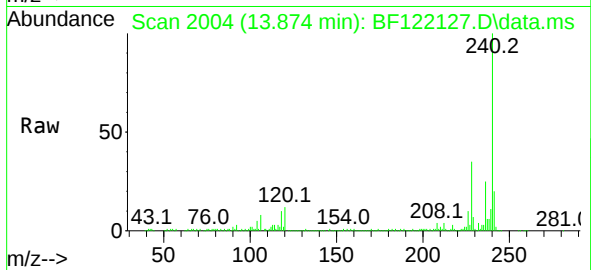




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.874 min Scan# 2004
Delta R.T. -0.006 min
Lab File: BF122127.D
Acq: 26 Oct 2020 21:14

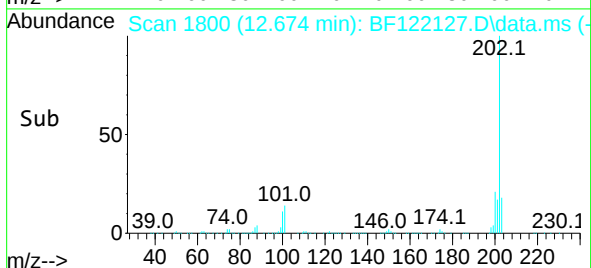
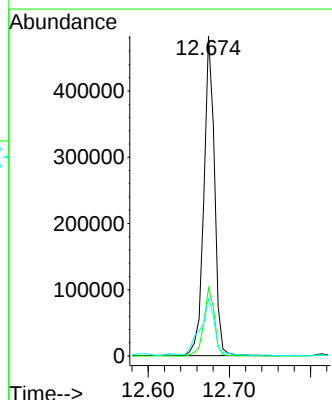
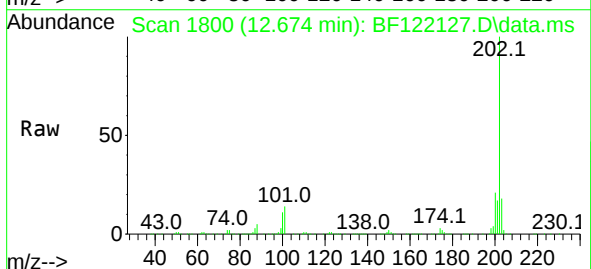
Instrument :
BNA_F
ClientSampleId :
COMP-1

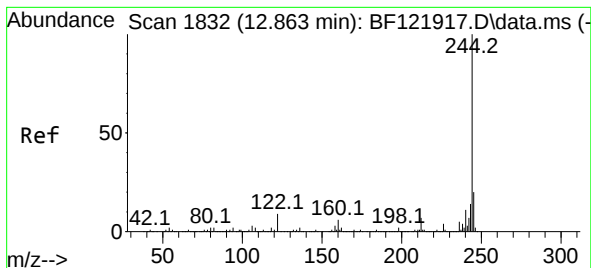
Tgt Ion:240 Resp: 221204
Ion Ratio Lower Upper
240 100
120 12.3 9.2 13.8
236 24.9 20.9 31.3



#78
Pyrene
Concen: 25.98 ng
RT: 12.674 min Scan# 1800
Delta R.T. -0.006 min
Lab File: BF122127.D
Acq: 26 Oct 2020 21:14

Tgt Ion:202 Resp: 437982
Ion Ratio Lower Upper
202 100
200 21.3 17.4 26.2
203 17.9 14.6 21.8





#79

Terphenyl-d14

Concen: 58.36 ng

RT: 12.816 min Scan# 1824

Delta R.T. -0.000 min

Lab File: BF122127.D

Acq: 26 Oct 2020 21:14

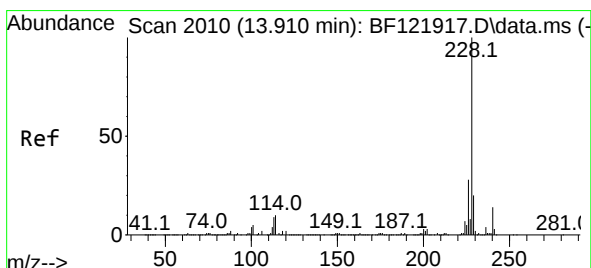
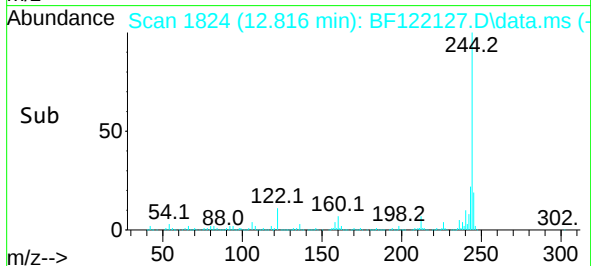
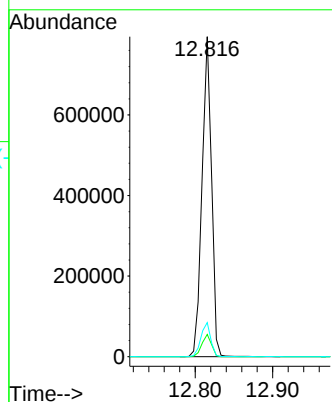
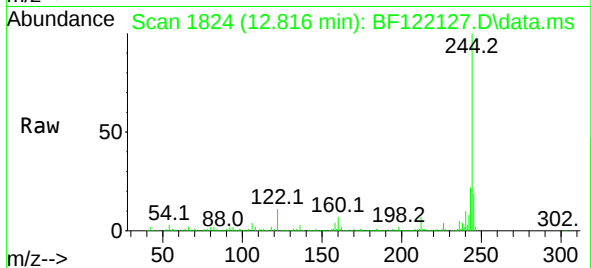
Tgt Ion:244 Resp: 677418

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.2

122 10.7 8.1 12.1



#81

Benzo(a)anthracene

Concen: 14.96 ng

RT: 13.868 min Scan# 2003

Delta R.T. -0.000 min

Lab File: BF122127.D

Acq: 26 Oct 2020 21:14

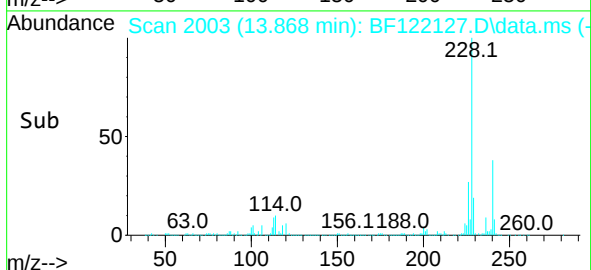
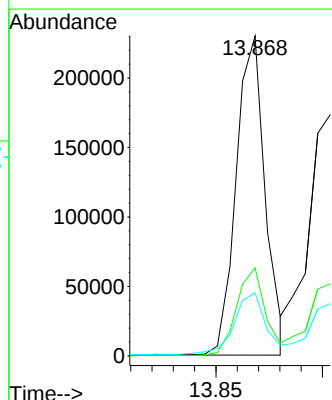
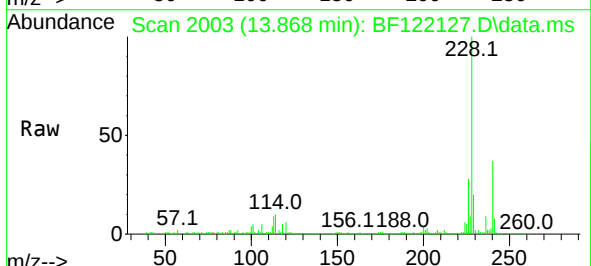
Tgt Ion:228 Resp: 216831

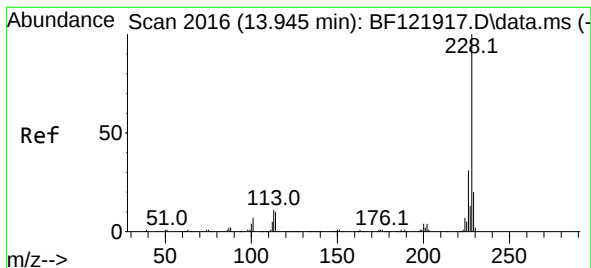
Ion Ratio Lower Upper

228 100

226 27.6 22.3 33.5

229 19.7 16.2 24.4





#83

Chrysene

Concen: 12.58 ng

RT: 13.904 min Scan# 2009

Delta R.T. -0.000 min

Lab File: BF122127.D

Acq: 26 Oct 2020 21:14

Tgt Ion:228 Resp: 178966

Ion Ratio Lower Upper

228 100

226 29.9 24.6 37.0

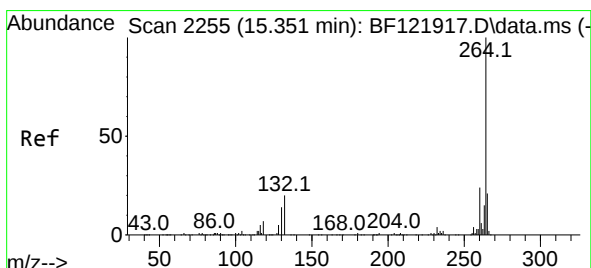
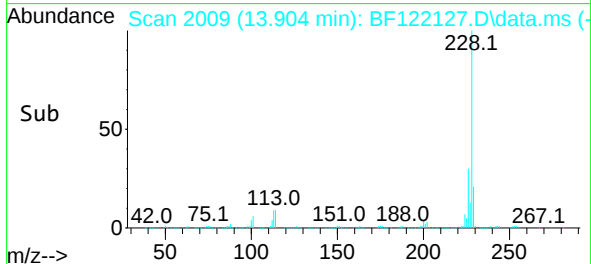
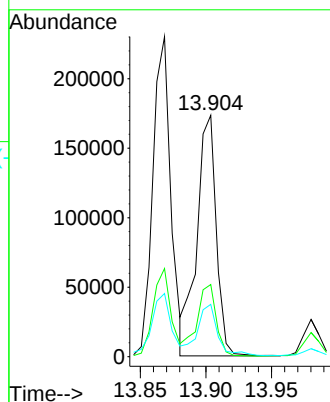
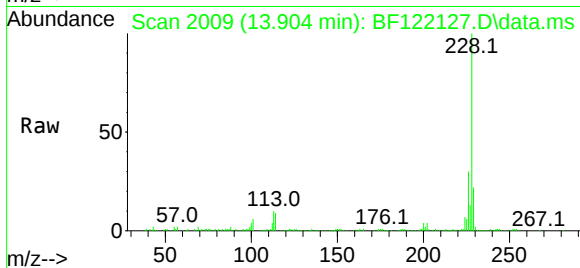
229 21.7 15.9 23.9

Instrument :

BNA_F

ClientSampleId :

COMP-1



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.304 min Scan# 2247

Delta R.T. -0.000 min

Lab File: BF122127.D

Acq: 26 Oct 2020 21:14

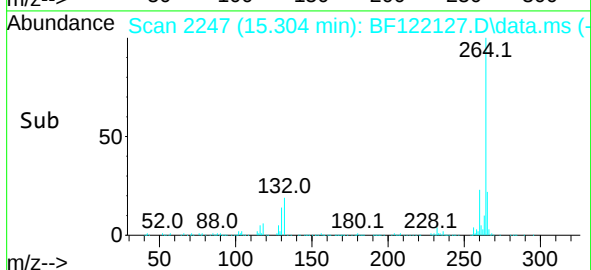
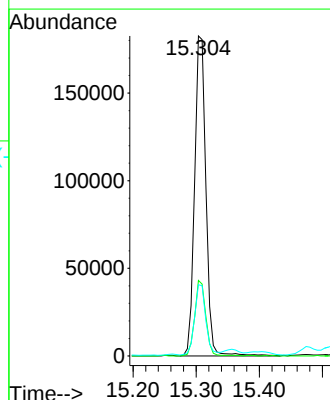
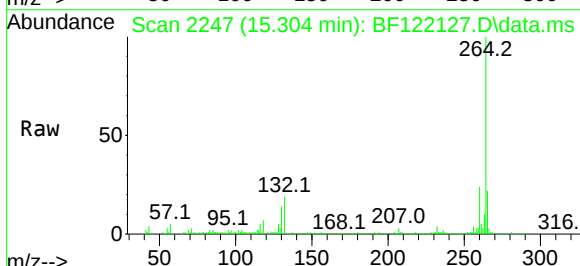
Tgt Ion:264 Resp: 227292

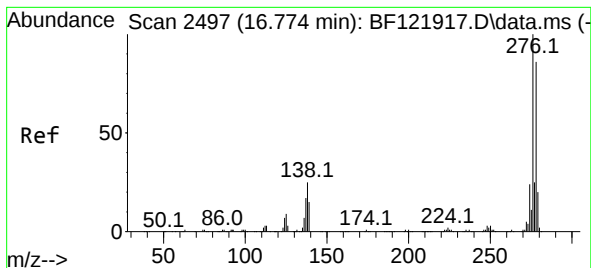
Ion Ratio Lower Upper

264 100

260 23.6 18.7 28.1

265 22.2 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.36 ng

RT: 16.709 min Scan# 2486

Delta R.T. -0.006 min

Lab File: BF122127.D

Acq: 26 Oct 2020 21:14

Instrument :

BNA_F

ClientSampleId :

COMP-1

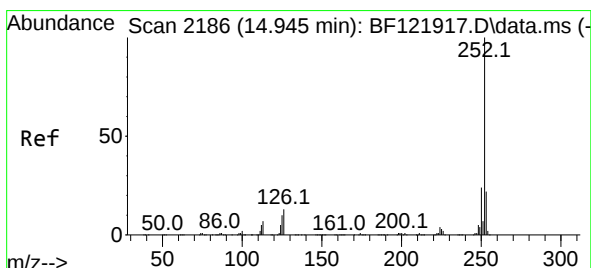
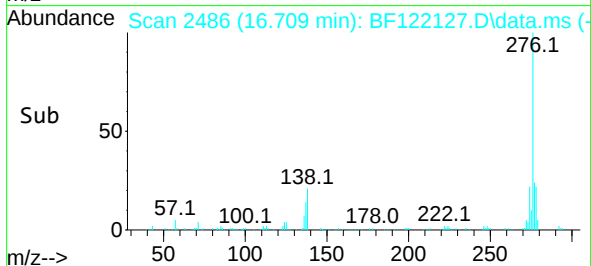
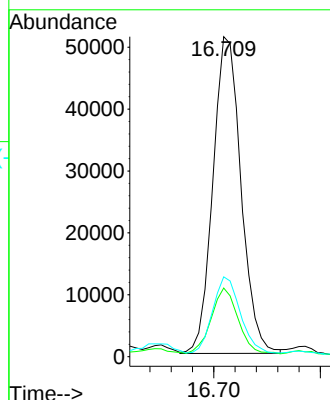
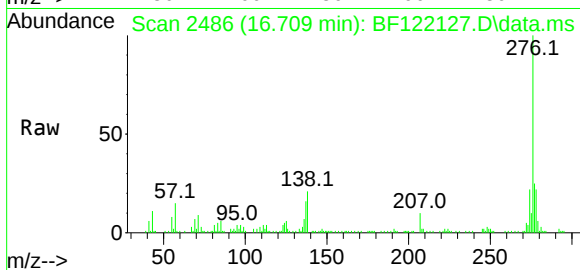
Tgt Ion:276 Resp: 93795

Ion Ratio Lower Upper

276 100

138 21.1 19.9 29.9

277 25.2 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 19.53 ng

RT: 14.898 min Scan# 2178

Delta R.T. -0.000 min

Lab File: BF122127.D

Acq: 26 Oct 2020 21:14

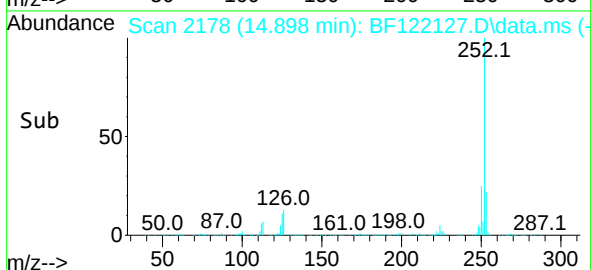
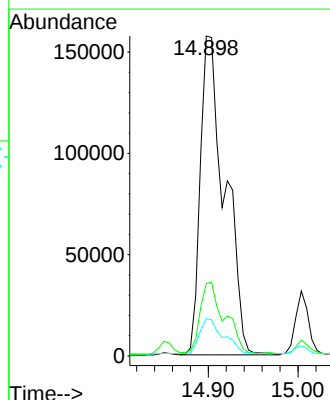
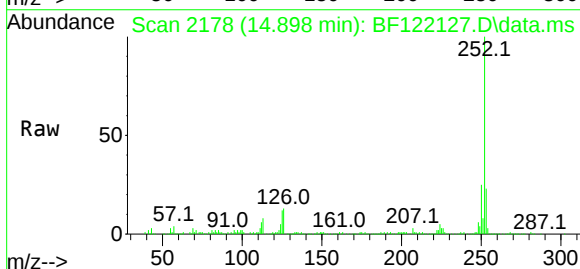
Tgt Ion:252 Resp: 299986

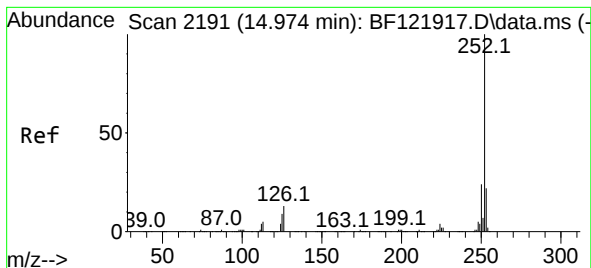
Ion Ratio Lower Upper

252 100

253 22.6 18.2 27.2

125 11.6 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 20.55 ng

RT: 14.898 min Scan# 2178

Delta R.T. -0.030 min

Lab File: BF122127.D

Acq: 26 Oct 2020 21:14

Instrument :

BNA_F

ClientSampleId :

COMP-1

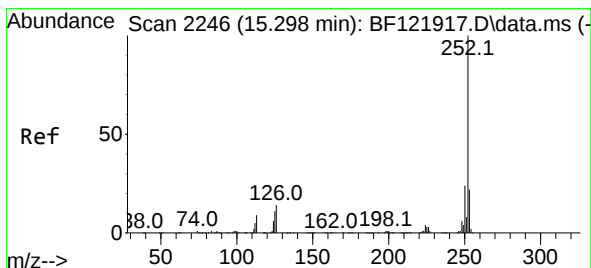
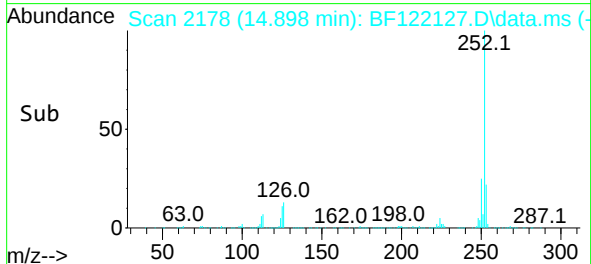
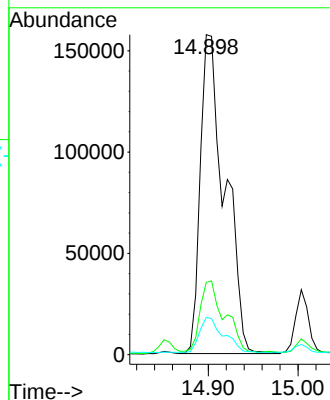
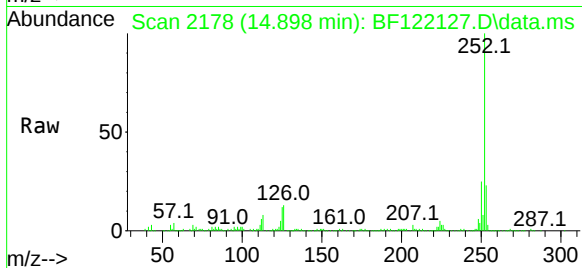
Tgt Ion:252 Resp: 299986

Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.6

125 11.6 7.7 11.5#



#90

Benzo(a)pyrene

Concen: 12.38 ng

RT: 15.251 min Scan# 2238

Delta R.T. -0.000 min

Lab File: BF122127.D

Acq: 26 Oct 2020 21:14

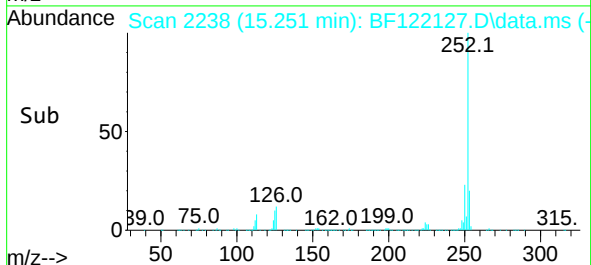
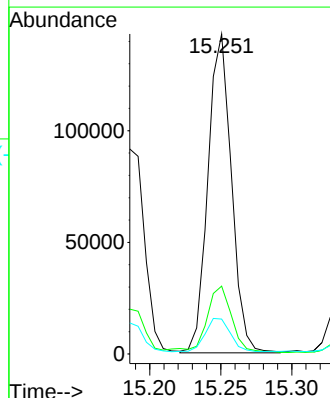
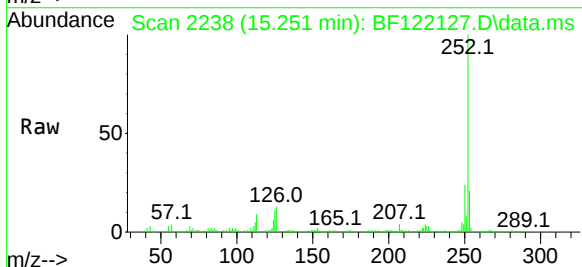
Tgt Ion:252 Resp: 164311

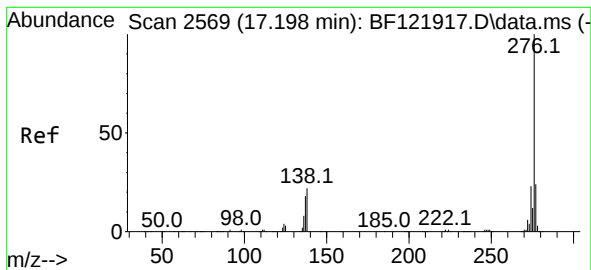
Ion Ratio Lower Upper

252 100

253 21.2 17.3 25.9

125 10.9 8.6 13.0





#92
Benzo(g,h,i)perylene
Concen: 6.93 ng
RT: 17.139 min Scan# 2559
Delta R.T. 0.006 min
Lab File: BF122127.D
Acq: 26 Oct 2020 21:14

Instrument :
BNA_F
ClientSampleId :
COMP-1

Tgt Ion:276 Resp: 84319
Ion Ratio Lower Upper
276 100
277 25.4 19.4 29.2
138 20.3 17.8 26.6

