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 Data File : BF121981.D
 Acq On : 15 Oct 2020 5:59
 Operator : JU/CG
 Sample : L4390-03
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

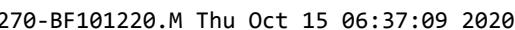
Instrument :
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 ClientSampleId :
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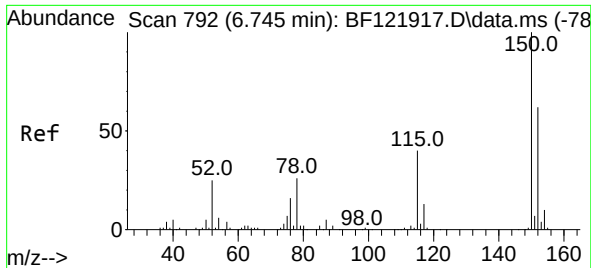
Quant Time: Oct 15 06:37:02 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 12 16:22:33 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	106028	20.00	ng	0.00
21) Naphthalene-d8	8.028	136	399305	20.00	ng	0.00
39) Acenaphthene-d10	9.775	164	186111	20.00	ng	-0.01
64) Phenanthrene-d10	11.263	188	292776	20.00	ng	-0.01
76) Chrysene-d12	13.910	240	225284	20.00	ng	0.00
86) Perylene-d12	15.345	264	210127	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	552128	76.86	ng	0.00
7) Phenol-d6	6.387	99	710963	76.88	ng	-0.01
23) Nitrobenzene-d5	7.310	82	489922	62.92	ng	-0.01
42) 2,4,6-Tribromophenol	10.569	330	148326	64.43	ng	-0.01
45) 2-Fluorobiphenyl	9.098	172	797416	63.04	ng	-0.01
79) Terphenyl-d14	12.845	244	549621	46.49	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.387	77	900	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	7.310	70	66216	12.58	ng	# 77
25) Isophorone	7.310	82	489917	33.28	ng	# 67
50) Dimethylphthalate	9.498	163	103807	7.63	ng	99
52) Acenaphthene	9.810	154	58254	5.42	ng	99
55) Dibenzofuran	9.986	168	36601	2.33	ng	95
56) 4-Nitrophenol	9.980	139	13543	7.33	ng	# 12
57) 2,4-Dinitrotoluene	9.775	165	23875	6.50	ng	# 20
58) Fluorene	10.322	166	61889	4.89	ng	97
65) 4,6-Dinitro-2-methylph...	10.569	198	160	4.51	ng	# 1
67) 4-Bromophenyl-phenylether	10.569	248	8692	2.57	ng	# 1
71) Phenanthrene	11.286	178	846565	52.74	ng	99
72) Anthracene	11.339	178	120720	7.25	ng	98
73) Carbazole	11.498	167	110491	7.46	ng	96
75) Fluoranthene	12.480	202	1491580	86.66	ng	99
78) Pyrene	12.710	202	1241882	72.34	ng	99
81) Benzo(a)anthracene	13.898	228	600009	40.64	ng	97
83) Chrysene	13.933	228	710812	49.05	ng	98
87) Indeno(1,2,3-cd)pyrene	16.756	276	341560	25.04	ng	95
88) Benzo(b)fluoranthene	14.933	252	1147827	80.81	ng	98
89) Benzo(k)fluoranthene	14.933	252	1147827	85.07	ng	98
90) Benzo(a)pyrene	15.286	252	529502	43.16	ng	98
91) Dibenzo(a,h)anthracene	16.915	278	45609	4.06	ng	95
92) Benzo(g,h,i)perylene	17.186	276	332146	29.54	ng	99

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

Quant Time: Oct 15 06:37:02 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 12 16:22:33 2020
Response via : Initial Calibration

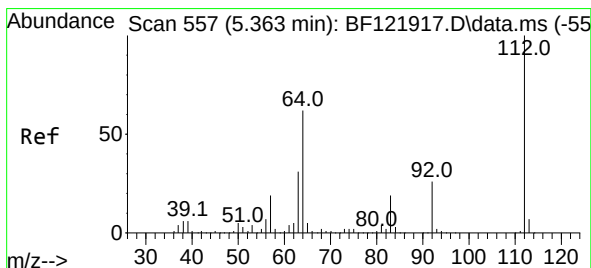
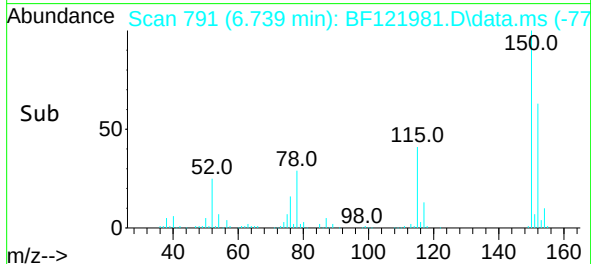
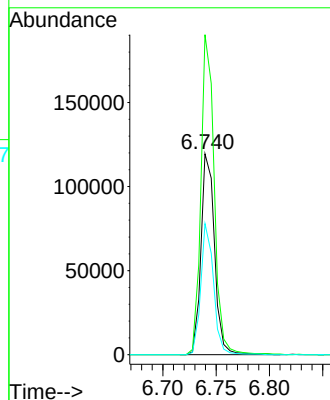
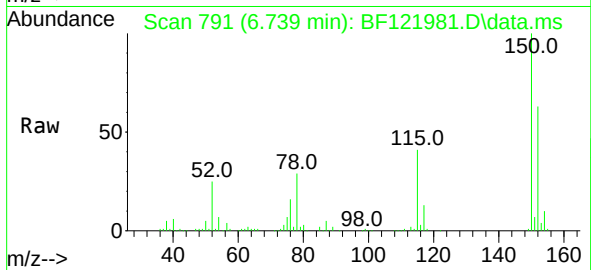




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.739 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF121981.D
Acq: 15 Oct 2020 5:59

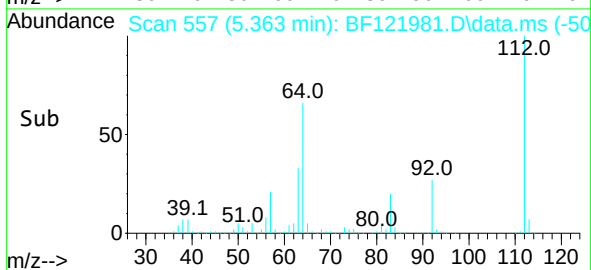
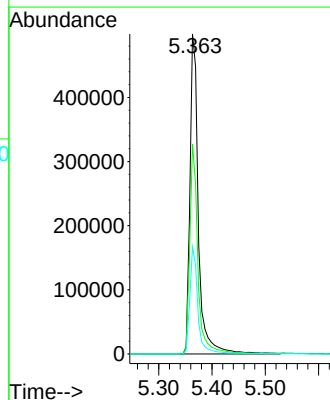
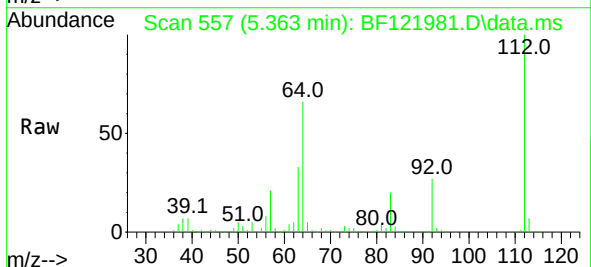
Instrument :
BNA_F
ClientSampled :
BG-3

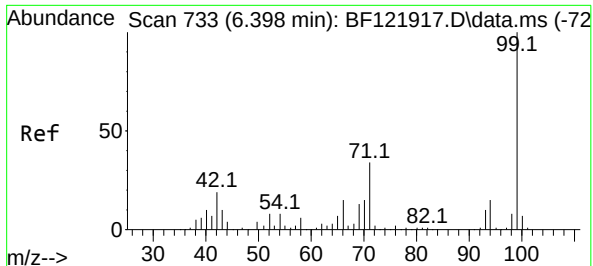
Tgt Ion:152 Resp: 106028
Ion Ratio Lower Upper
152 100
150 159.3 125.3 187.9
115 65.3 51.9 77.9



#5
2-Fluorophenol
Concen: 76.86 ng
RT: 5.363 min Scan# 557
Delta R.T. 0.000 min
Lab File: BF121981.D
Acq: 15 Oct 2020 5:59

Tgt Ion:112 Resp: 552128
Ion Ratio Lower Upper
112 100
64 65.5 50.4 75.6
63 33.4 25.8 38.6

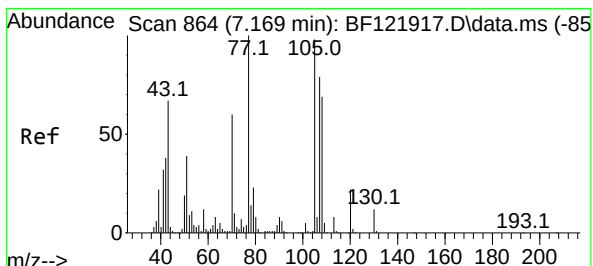
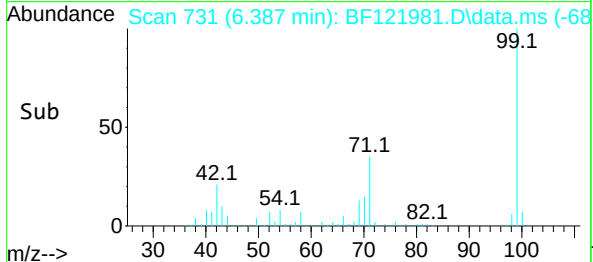
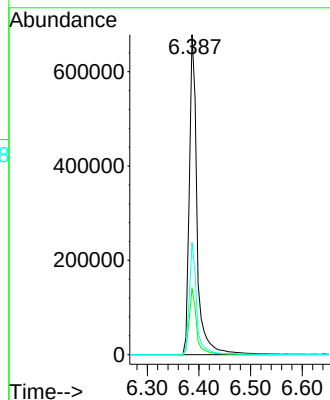
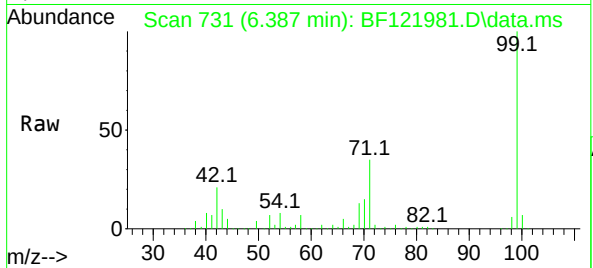




#7
Phenol-d6
Concen: 76.88 ng
RT: 6.387 min Scan# 731
Delta R.T. -0.012 min
Lab File: BF121981.D
Acq: 15 Oct 2020 5:59

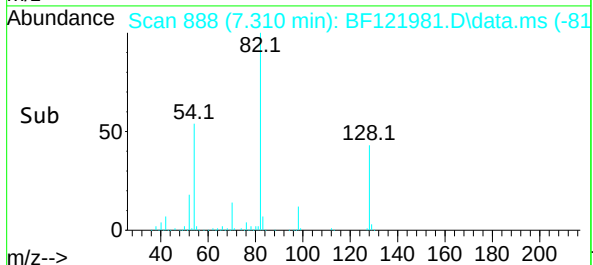
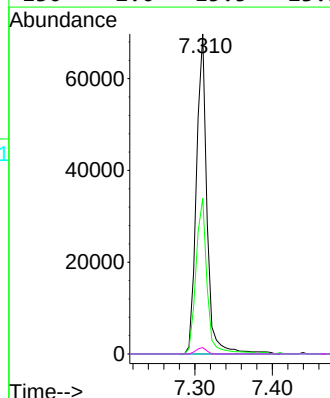
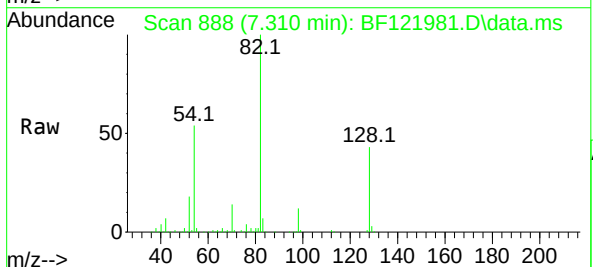
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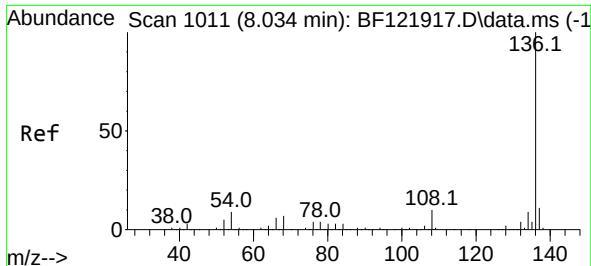
Tgt Ion: 99 Resp: 710963
Ion Ratio Lower Upper
99 100
42 20.5 15.9 23.9
71 35.0 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 12.58 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.141 min
Lab File: BF121981.D
Acq: 15 Oct 2020 5:59

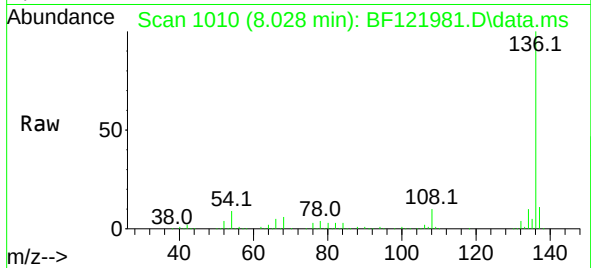
Tgt Ion: 70 Resp: 66216
Ion Ratio Lower Upper
70 100
42 48.6 50.2 75.4#
101 0.0 7.5 11.3#
130 2.0 15.5 23.3#



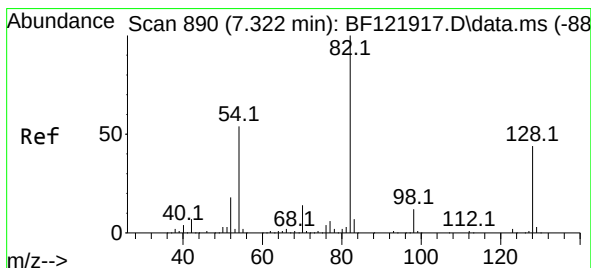
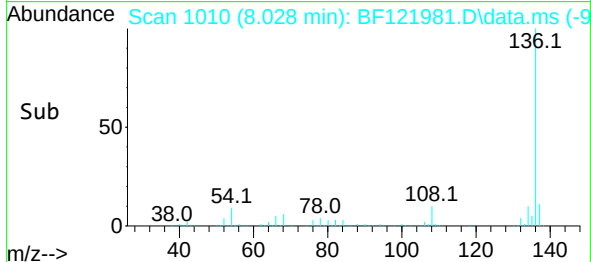
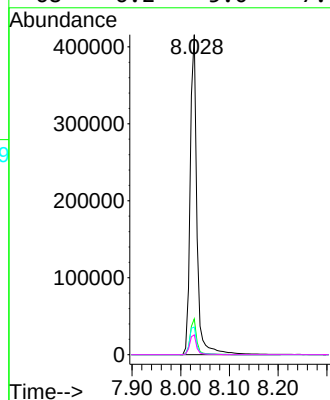


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.028 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BF121981.D
Acq: 15 Oct 2020 5:59

Instrument :
BNA_F
ClientSampleId :
BG-3

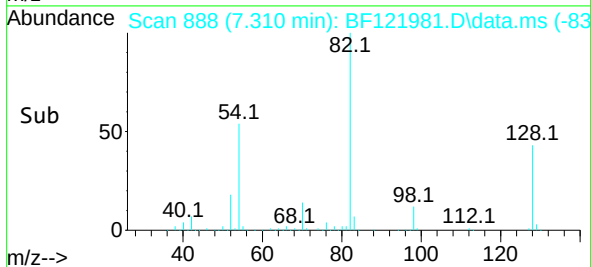
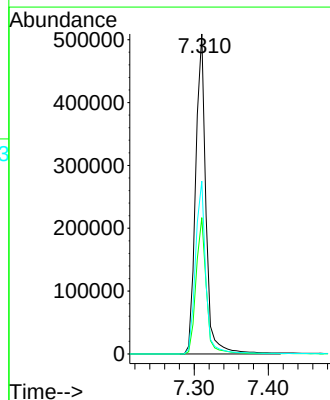
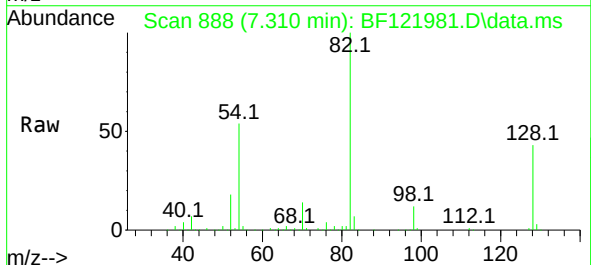


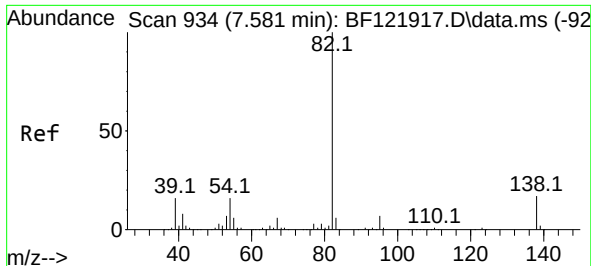
Tgt Ion:136 Resp: 399305
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 8.7 7.1 10.7
68 6.2 5.0 7.4



#23
Nitrobenzene-d5
Concen: 62.92 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.012 min
Lab File: BF121981.D
Acq: 15 Oct 2020 5:59

Tgt Ion: 82 Resp: 489922
Ion Ratio Lower Upper
82 100
128 42.6 35.0 52.4
54 54.0 43.9 65.9

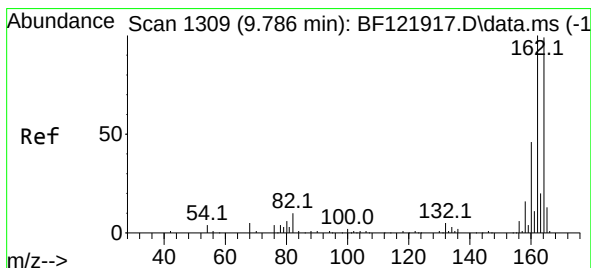
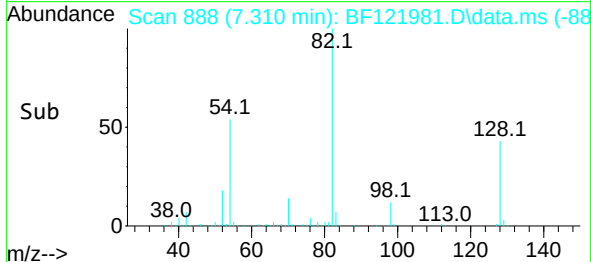
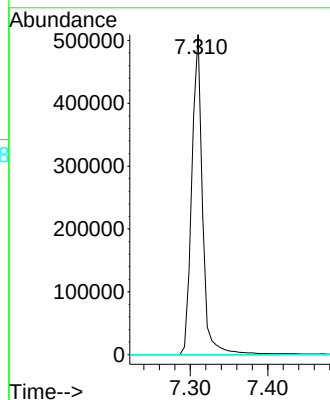
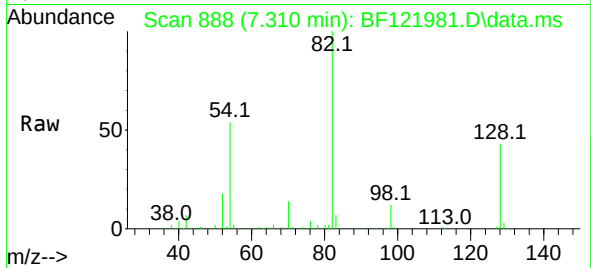




#25
Isophorone
Concen: 33.28 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.271 min
Lab File: BF121981.D
Acq: 15 Oct 2020 5:59

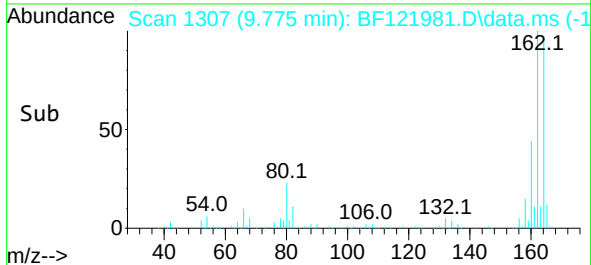
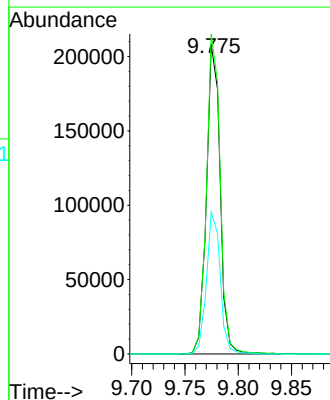
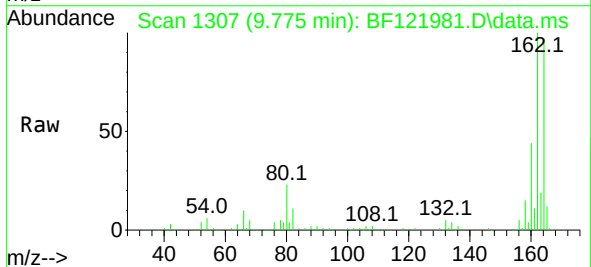
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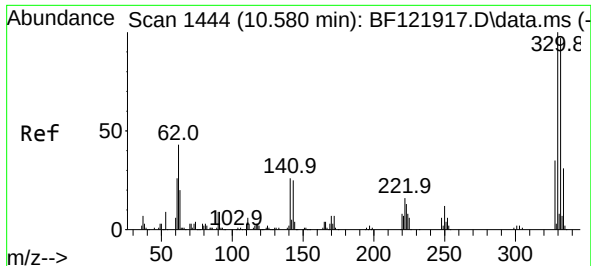
Tgt Ion: 82 Resp: 489917
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.0#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.011 min
Lab File: BF121981.D
Acq: 15 Oct 2020 5:59

Tgt Ion:164 Resp: 186111
Ion Ratio Lower Upper
164 100
162 103.5 83.2 124.8
160 45.9 37.5 56.3

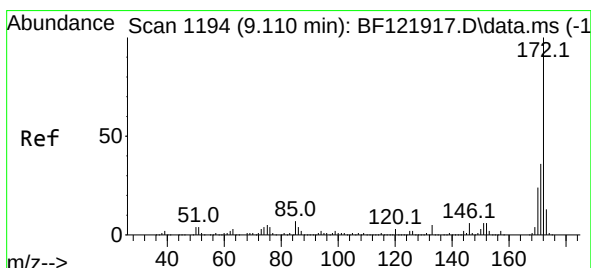
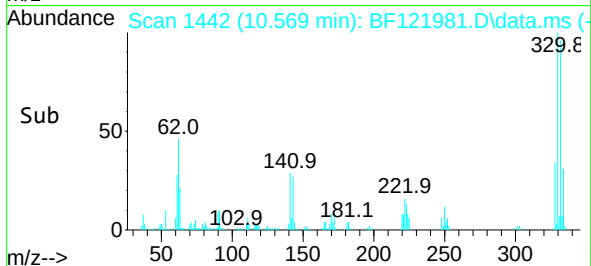
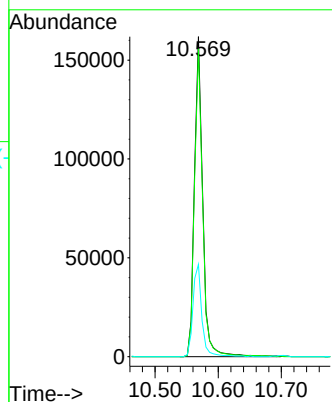
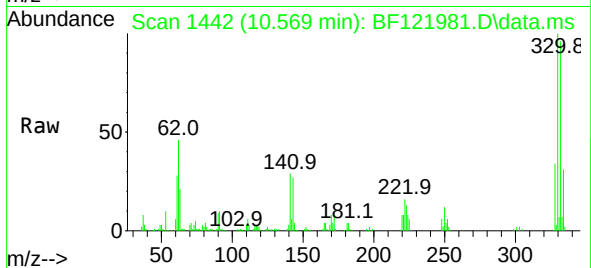




#42
2,4,6-Tribromophenol
Concen: 64.43 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.012 min
Lab File: BF121981.D
Acq: 15 Oct 2020 5:59

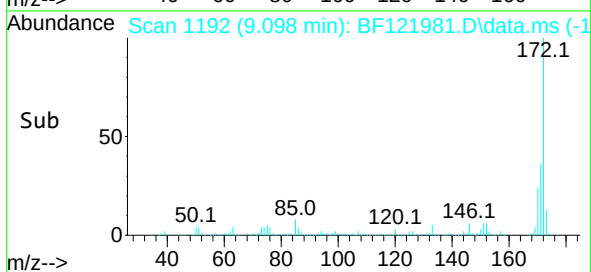
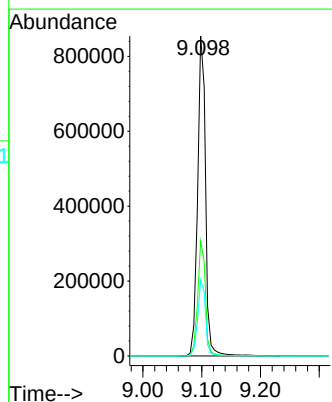
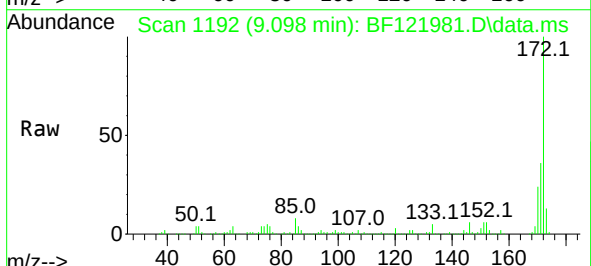
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ClientSampleID :
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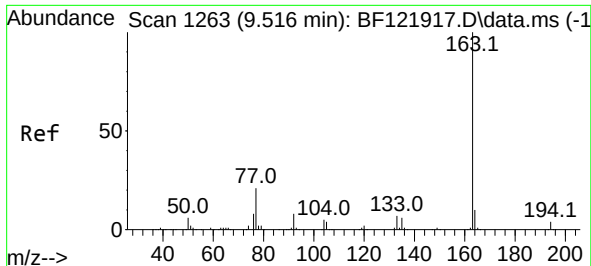
Tgt Ion:330 Resp: 148326
Ion Ratio Lower Upper
330 100
332 95.9 77.3 115.9
141 31.0 22.3 33.5



#45
2-Fluorobiphenyl
Concen: 63.04 ng
RT: 9.098 min Scan# 1192
Delta R.T. -0.012 min
Lab File: BF121981.D
Acq: 15 Oct 2020 5:59

Tgt Ion:172 Resp: 797416
Ion Ratio Lower Upper
172 100
171 36.0 29.1 43.7
170 23.7 19.8 29.6

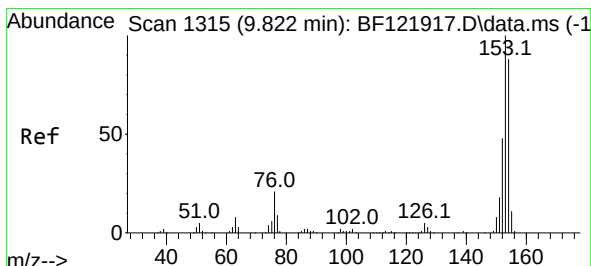
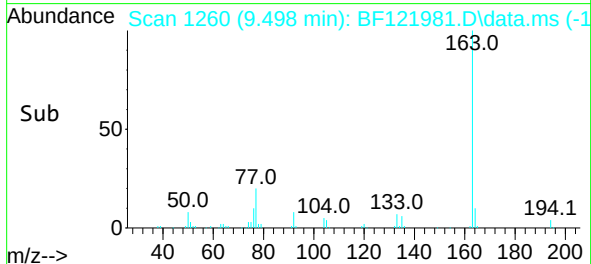
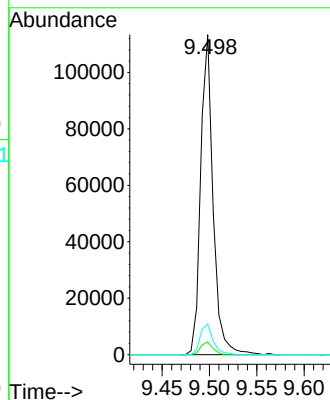
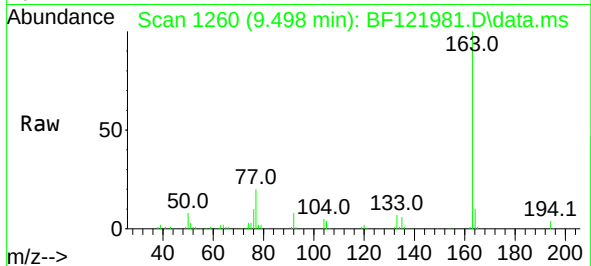




#50
Dimethylphthalate
Concen: 7.63 ng
RT: 9.498 min Scan# 1260
Delta R.T. -0.018 min
Lab File: BF121981.D
Acq: 15 Oct 2020 5:59

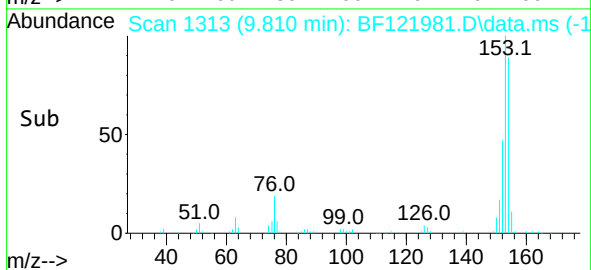
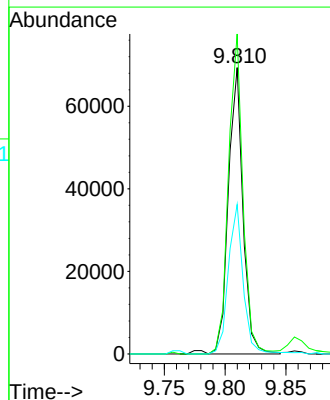
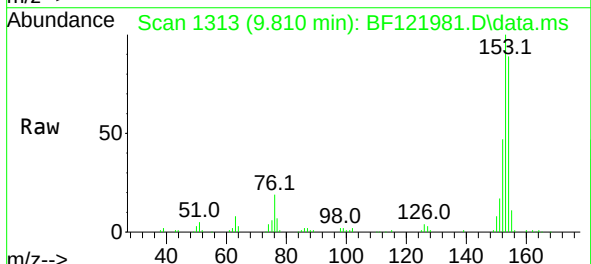
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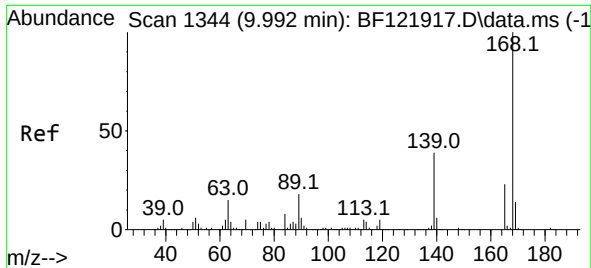
Tgt Ion:163 Resp: 103807
Ion Ratio Lower Upper
163 100
194 4.0 3.3 4.9
164 9.6 8.2 12.4



#52
Acenaphthene
Concen: 5.42 ng
RT: 9.810 min Scan# 1313
Delta R.T. -0.012 min
Lab File: BF121981.D
Acq: 15 Oct 2020 5:59

Tgt Ion:154 Resp: 58254
Ion Ratio Lower Upper
154 100
153 111.7 89.8 134.8
152 52.2 43.2 64.8

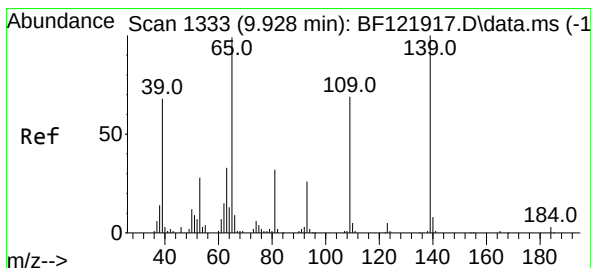
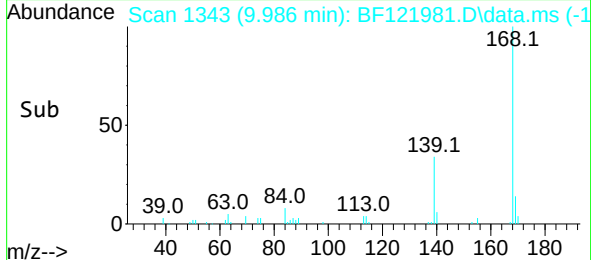
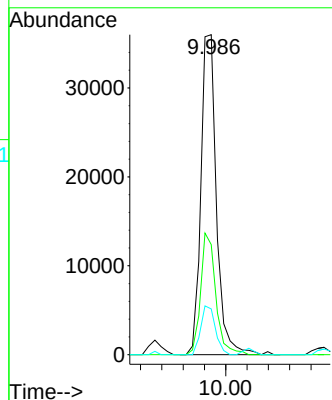
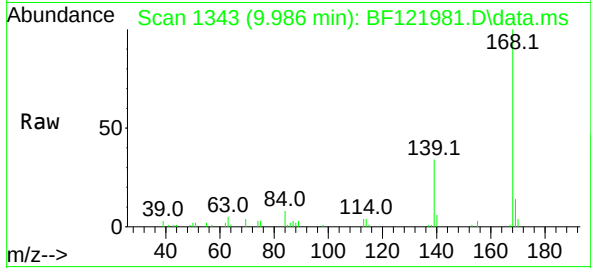




#55
Dibenzofuran
Concen: 2.33 ng
RT: 9.986 min Scan# 1343
Delta R.T. -0.006 min
Lab File: BF121981.D
Acq: 15 Oct 2020 5:59

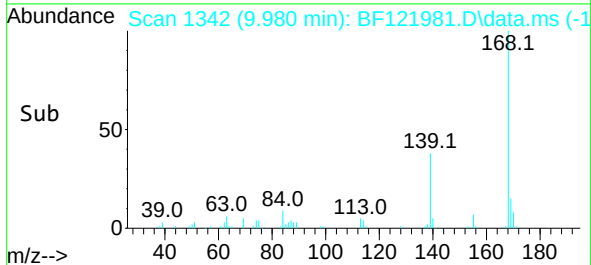
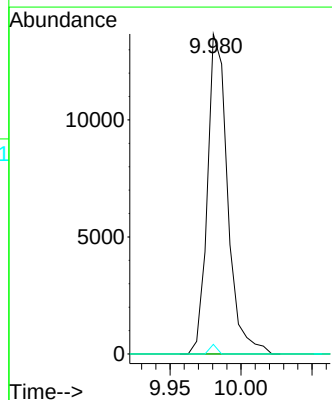
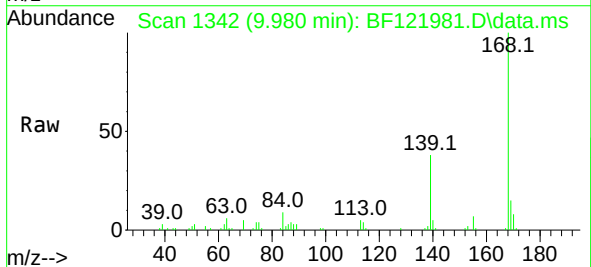
Instrument :
BNA_F
ClientSampled :
BG-3

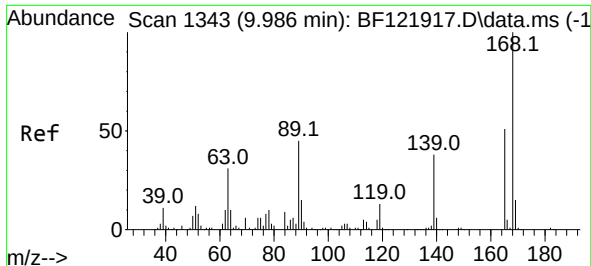
Tgt Ion:168	Resp:	36601
Ion	Ratio	Lower Upper
168	100	
139	34.4	31.0 46.6
169	14.3	11.3 16.9



#56
4-Nitrophenol
Concen: 7.33 ng
RT: 9.980 min Scan# 1342
Delta R.T. 0.052 min
Lab File: BF121981.D
Acq: 15 Oct 2020 5:59

Tgt Ion:139	Resp:	13543
Ion	Ratio	Lower Upper
139	100	
109	0.0	45.4 85.4#
65	3.0	68.4 108.4#

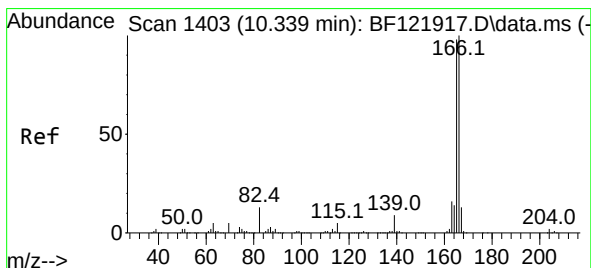
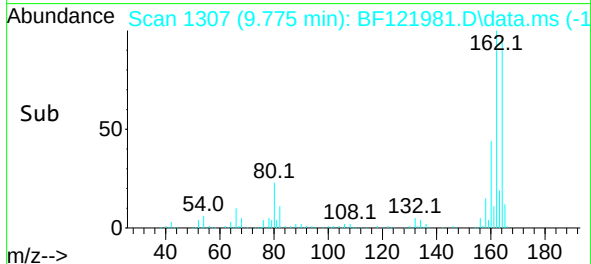
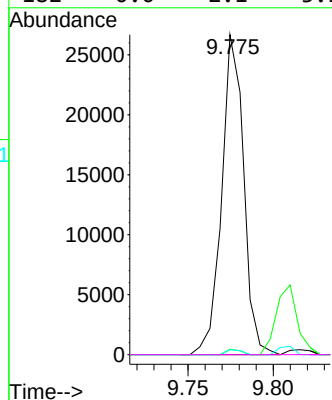
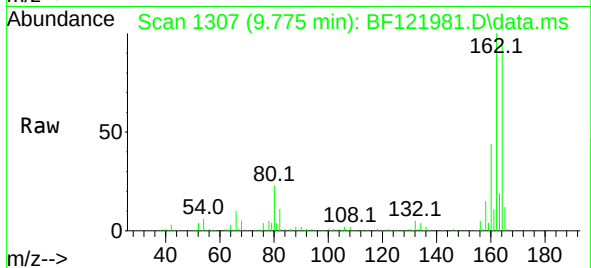




#57
2,4-Dinitrotoluene
Concen: 6.50 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.212 min
Lab File: BF121981.D
Acq: 15 Oct 2020 5:59

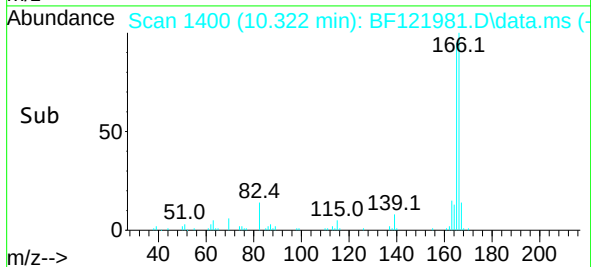
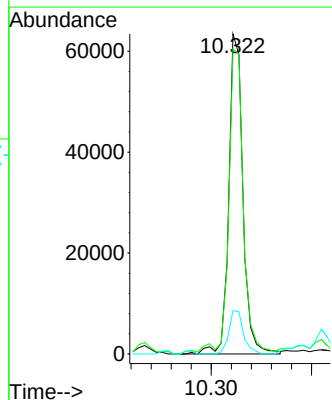
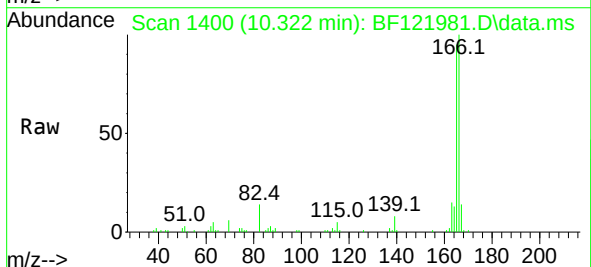
Instrument :
BNA_F
ClientSampled :
BG-3

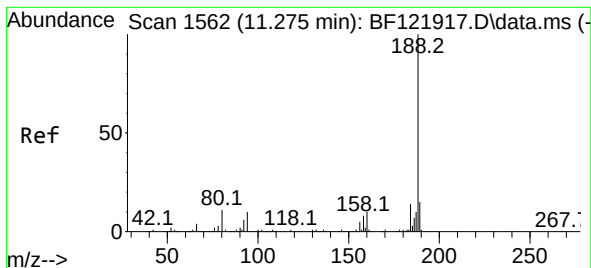
Tgt Ion:	165	Resp:	23875
Ion Ratio	Lower	Upper	
165	100		
63	1.7	41.3	61.9#
89	1.5	61.8	92.8#
182	0.0	2.1	3.1#



#58
Fluorene
Concen: 4.89 ng
RT: 10.322 min Scan# 1400
Delta R.T. -0.018 min
Lab File: BF121981.D
Acq: 15 Oct 2020 5:59

Tgt Ion:	166	Resp:	61889
Ion Ratio	Lower	Upper	
166	100		
165	95.4	79.1	118.7
167	13.5	11.0	16.6

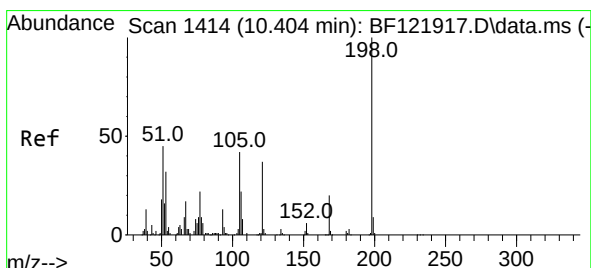
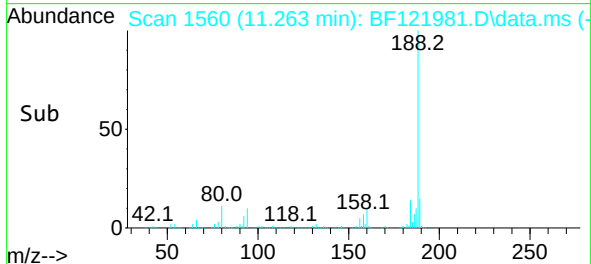
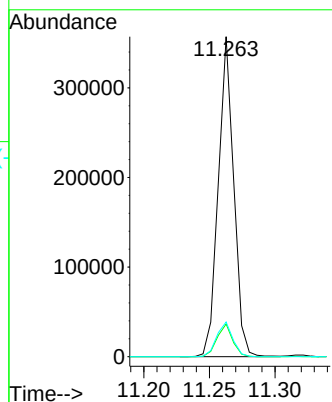
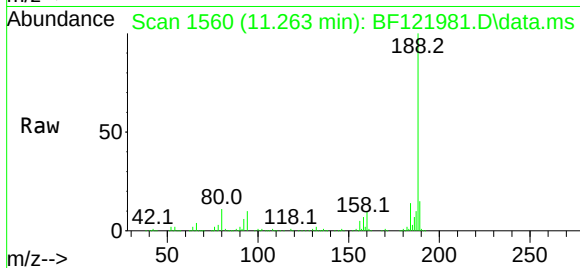




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.012 min
Lab File: BF121981.D
Acq: 15 Oct 2020 5:59

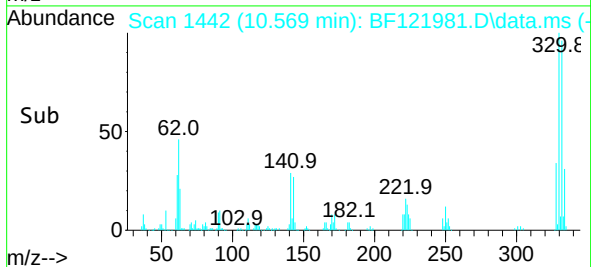
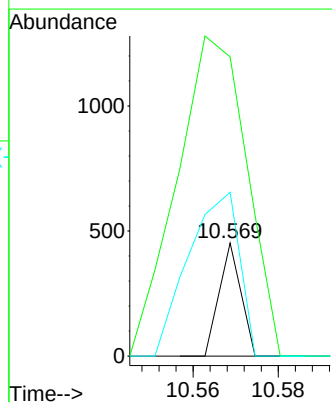
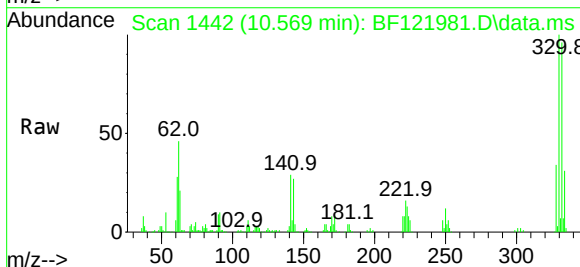
Instrument :
BNA_F
ClientSampleId :
BG-3

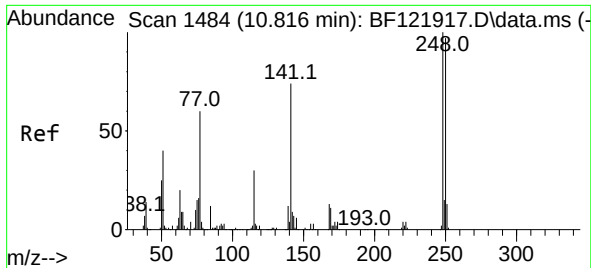
Tgt Ion:188	Resp:	292776
Ion Ratio	Lower	Upper
188	100	
94	10.2	8.3 12.5
80	10.8	9.1 13.7



#65
4,6-Dinitro-2-methylphenol
Concen: 4.51 ng
RT: 10.569 min Scan# 1442
Delta R.T. 0.165 min
Lab File: BF121981.D
Acq: 15 Oct 2020 5:59

Tgt Ion:198	Resp:	160
Ion Ratio	Lower	Upper
198	100	
51	264.6	29.6 69.6#
105	144.9	24.4 64.4#

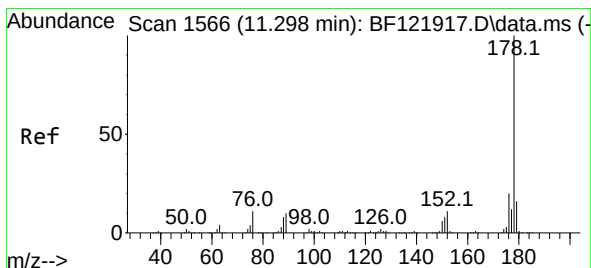
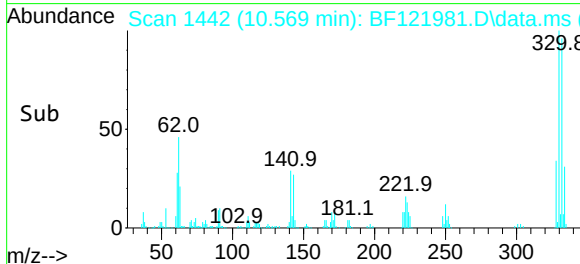
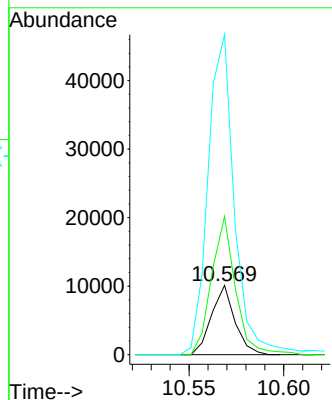
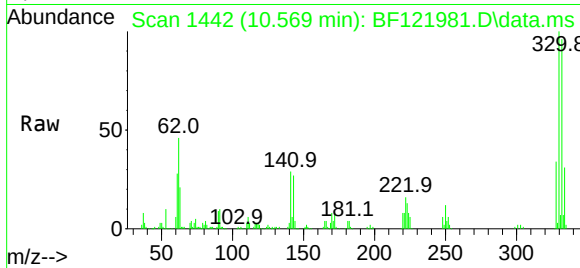




#67
4-Bromophenyl-phenylether
Concen: 2.57 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.247 min
Lab File: BF121981.D
Acq: 15 Oct 2020 5:59

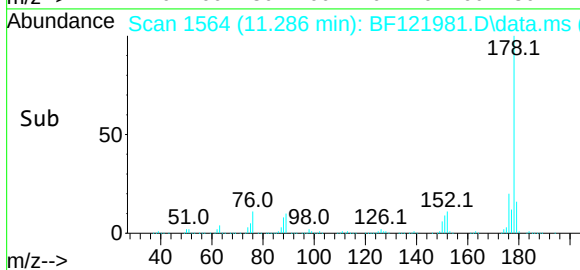
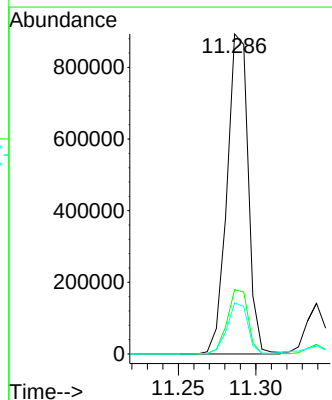
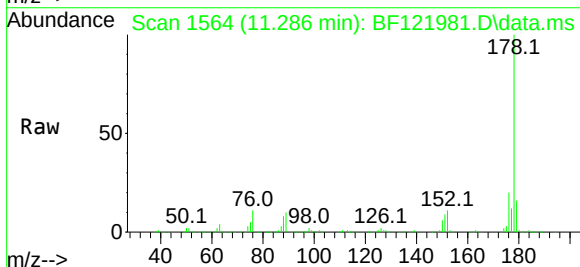
Instrument :
BNA_F
ClientSampled :
BG-3

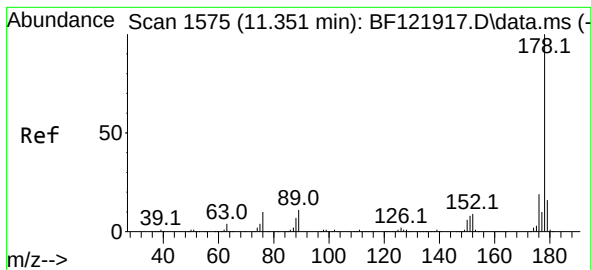
Tgt Ion:248 Resp: 8692
Ion Ratio Lower Upper
248 100
250 199.6 77.0 115.6#
141 462.1 53.7 80.5#



#71
Phenanthrene
Concen: 52.74 ng
RT: 11.286 min Scan# 1564
Delta R.T. -0.012 min
Lab File: BF121981.D
Acq: 15 Oct 2020 5:59

Tgt Ion:178 Resp: 846565
Ion Ratio Lower Upper
178 100
176 20.1 15.9 23.9
179 16.0 12.2 18.4

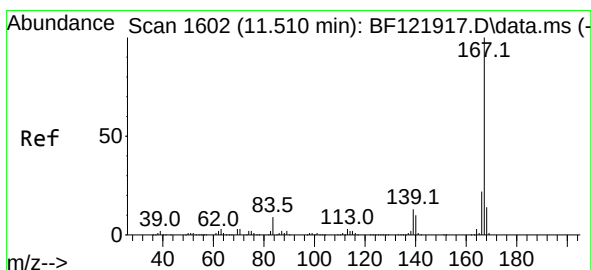
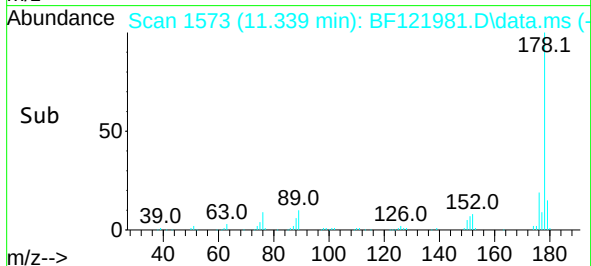
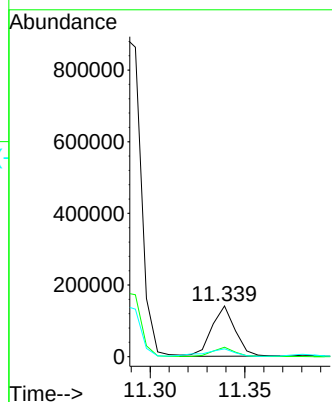
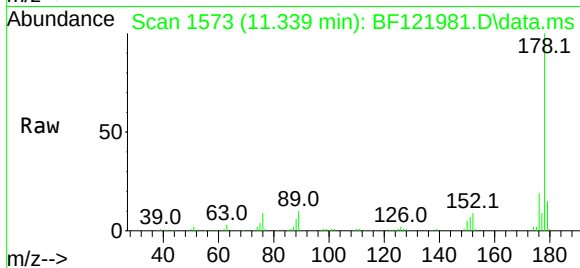




#72
 Anthracene
 Concen: 7.25 ng
 RT: 11.339 min Scan# 1573
 Delta R.T. -0.012 min
 Lab File: BF121981.D
 Acq: 15 Oct 2020 5:59

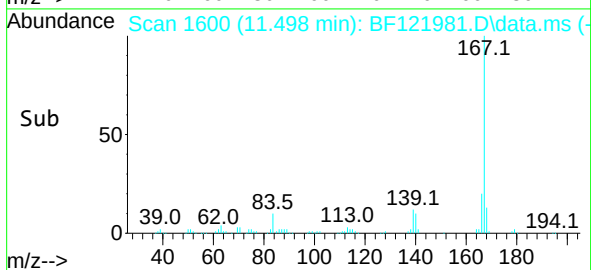
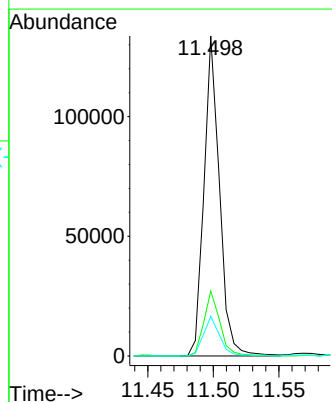
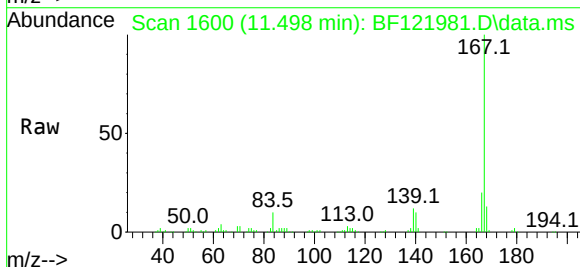
Instrument :
 BNA_F
 ClientSampled :
 BG-3

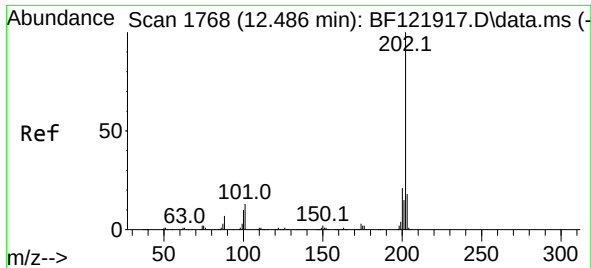
Tgt Ion:178 Resp: 120720
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.7 23.5
 179 15.3 12.7 19.1



#73
 Carbazole
 Concen: 7.46 ng
 RT: 11.498 min Scan# 1600
 Delta R.T. -0.012 min
 Lab File: BF121981.D
 Acq: 15 Oct 2020 5:59

Tgt Ion:167 Resp: 110491
 Ion Ratio Lower Upper
 167 100
 166 20.3 17.8 26.6
 139 12.4 10.8 16.2

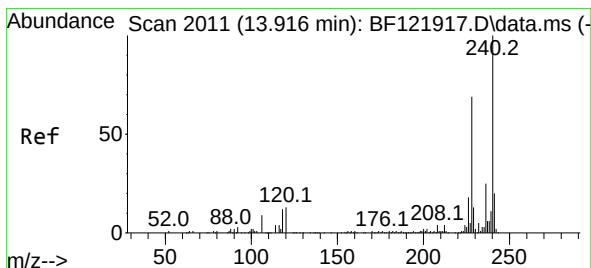
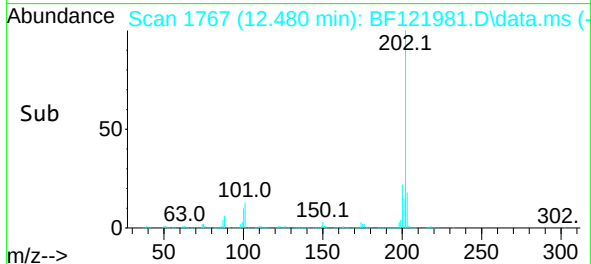
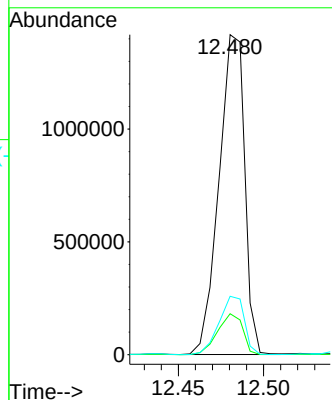
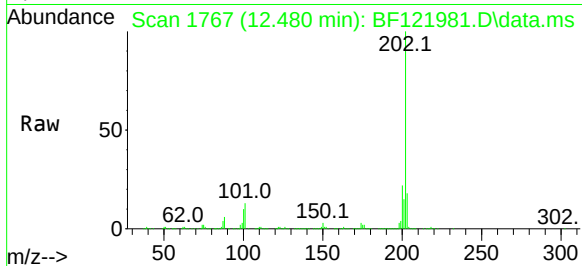




#75
Fluoranthene
Concen: 86.66 ng
RT: 12.480 min Scan# 1767
Delta R.T. -0.006 min
Lab File: BF121981.D
Acq: 15 Oct 2020 5:59

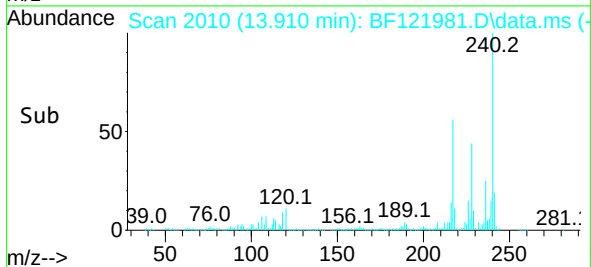
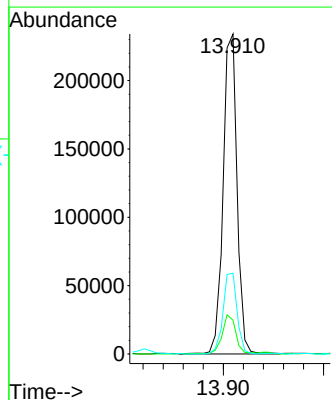
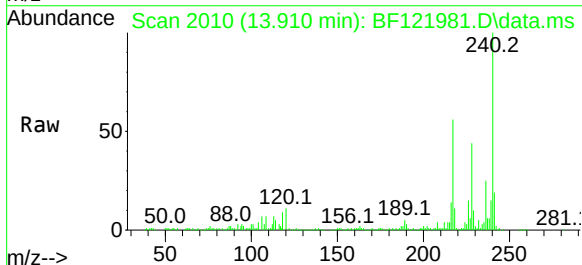
Instrument :
BNA_F
ClientSampleId :
BG-3

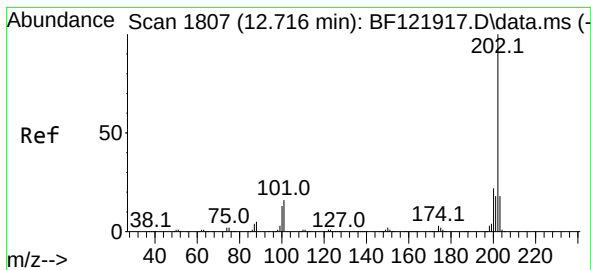
Tgt Ion:202 Resp: 1491580
Ion Ratio Lower Upper
202 100
101 12.8 0.0 33.4
203 18.3 0.0 37.9



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.910 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF121981.D
Acq: 15 Oct 2020 5:59

Tgt Ion:240 Resp: 225284
Ion Ratio Lower Upper
240 100
120 10.5 9.2 13.8
236 25.3 20.9 31.3





#78

Pyrene

Concen: 72.34 ng

RT: 12.710 min Scan# 1806

Delta R.T. -0.006 min

Lab File: BF121981.D

Acq: 15 Oct 2020 5:59

Tgt Ion:202 Resp: 1241882

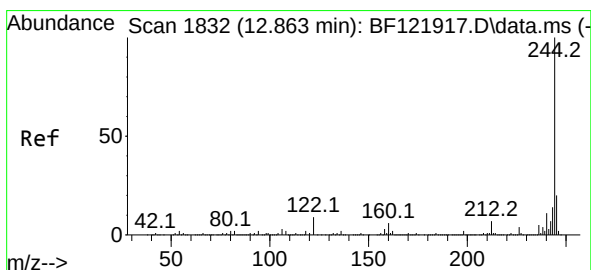
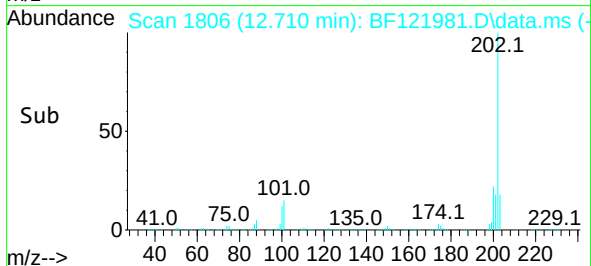
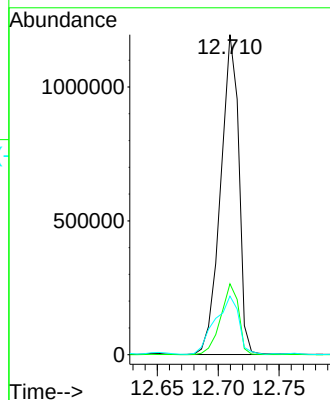
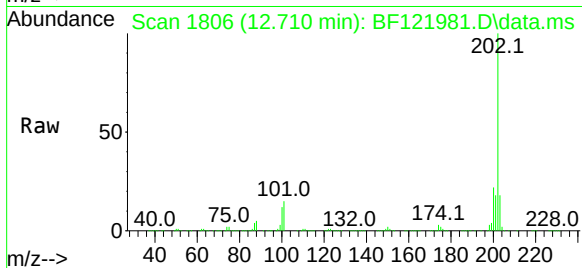
Ion	Ratio	Lower	Upper
202	100		
200	22.2	17.4	26.2
203	18.3	14.6	21.8

Instrument :

BNA_F

ClientSampled :

BG-3



#79

Terphenyl-d14

Concen: 46.49 ng

RT: 12.845 min Scan# 1829

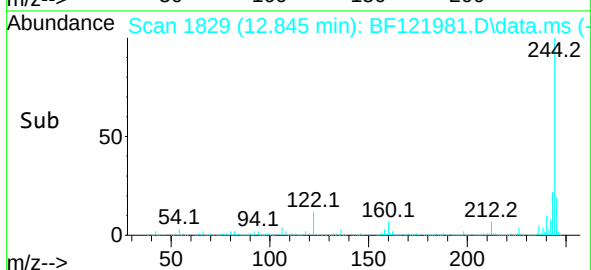
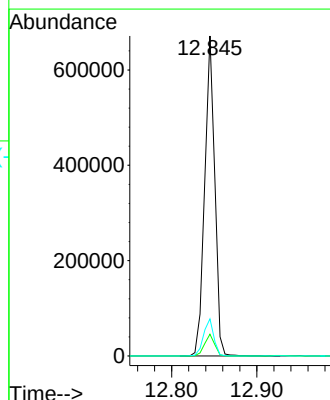
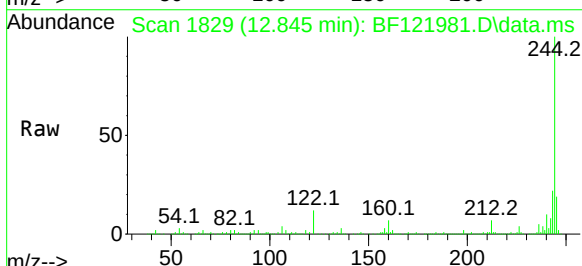
Delta R.T. -0.018 min

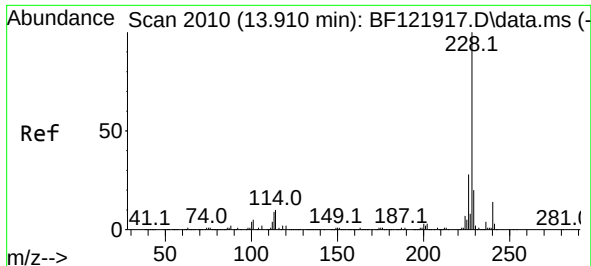
Lab File: BF121981.D

Acq: 15 Oct 2020 5:59

Tgt Ion:244 Resp: 549621

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.2
122	11.6	8.1	12.1

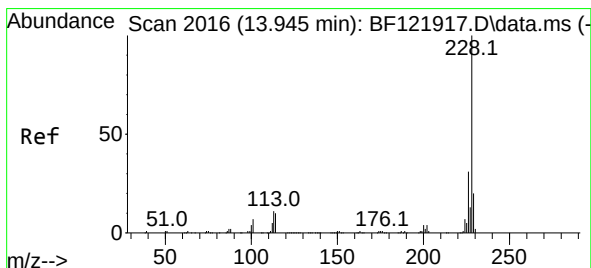
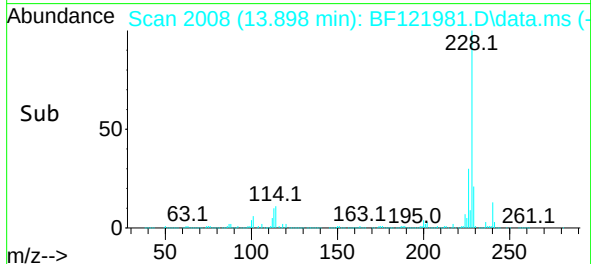
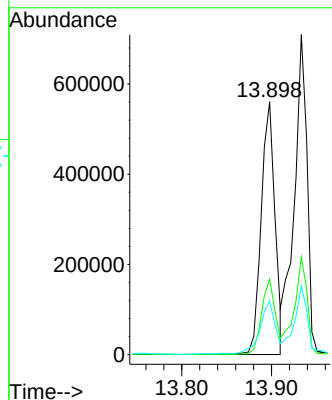
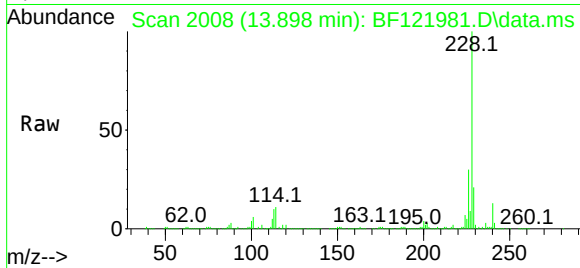




#81
Benzo(a)anthracene
Concen: 40.64 ng
RT: 13.898 min Scan# 2008
Delta R.T. -0.012 min
Lab File: BF121981.D
Acq: 15 Oct 2020 5:59

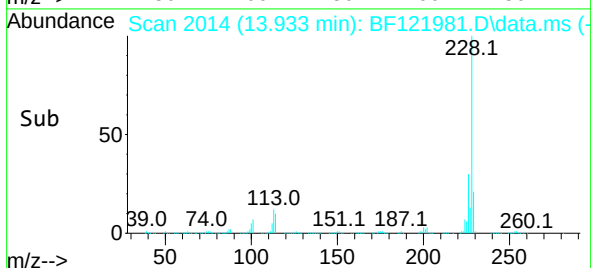
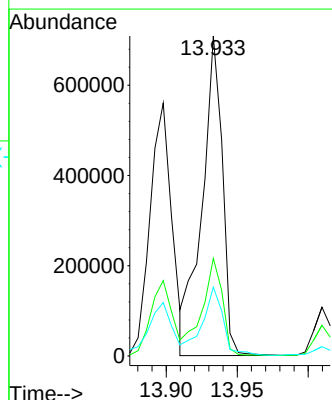
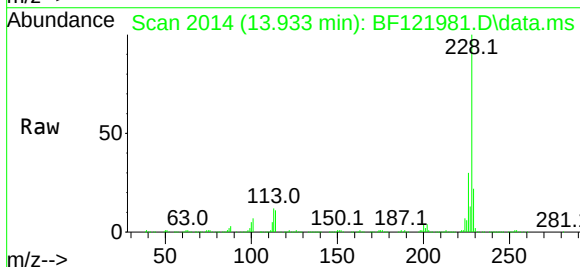
Instrument :
BNA_F
ClientSampleId :
BG-3

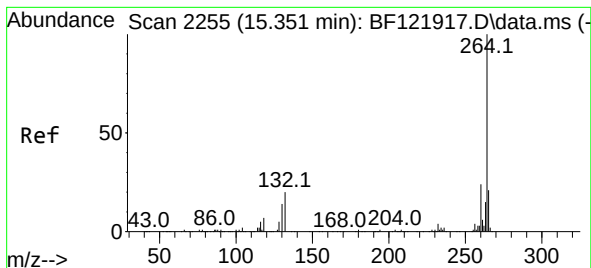
Tgt Ion:228 Resp: 600009
Ion Ratio Lower Upper
228 100
226 29.8 22.3 33.5
229 21.1 16.2 24.4



#83
Chrysene
Concen: 49.05 ng
RT: 13.933 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF121981.D
Acq: 15 Oct 2020 5:59

Tgt Ion:228 Resp: 710812
Ion Ratio Lower Upper
228 100
226 30.5 24.6 37.0
229 21.5 15.9 23.9

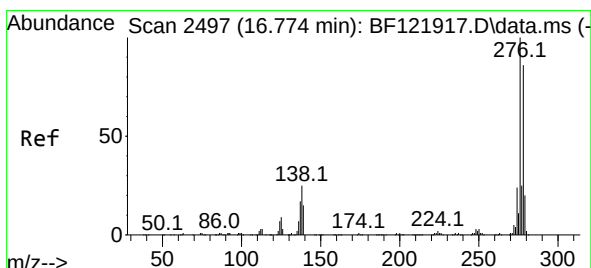
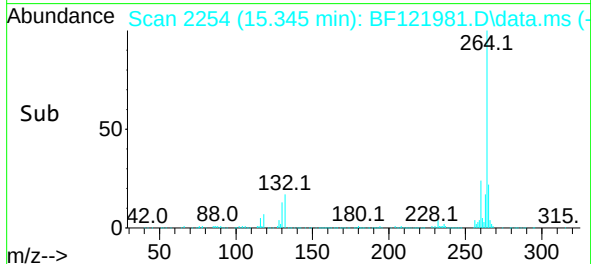
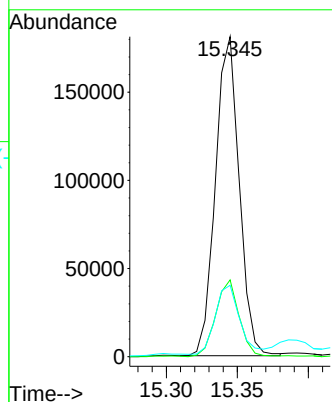
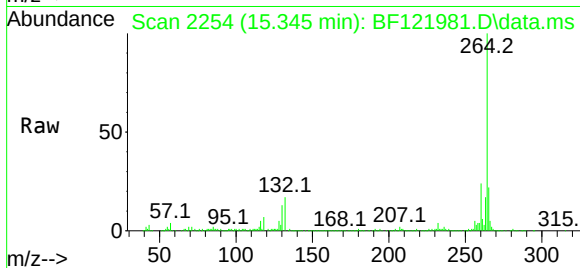




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.345 min Scan# 2254
Delta R.T. -0.006 min
Lab File: BF121981.D
Acq: 15 Oct 2020 5:59

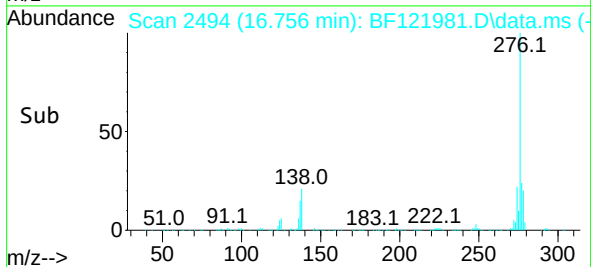
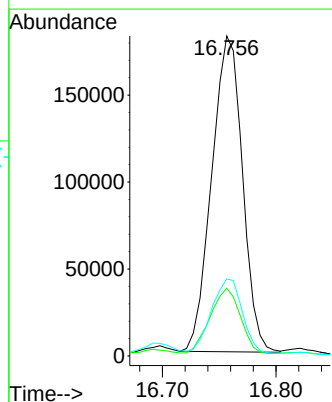
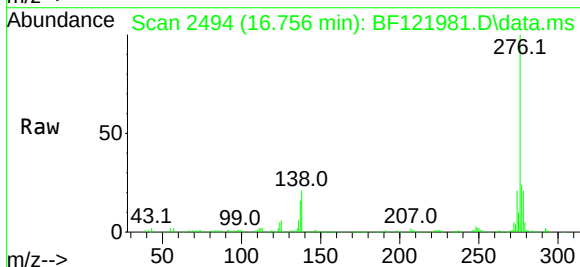
Instrument :
BNA_F
ClientSampled :
BG-3

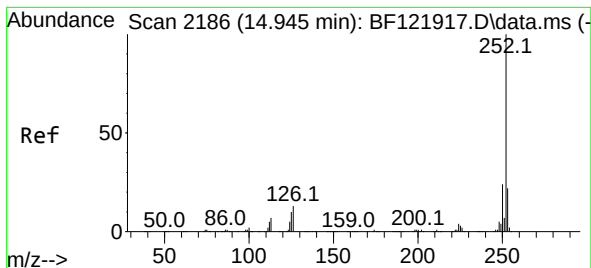
Tgt Ion:264 Resp: 210127
Ion Ratio Lower Upper
264 100
260 24.0 18.7 28.1
265 22.3 17.3 25.9



#87
Indeno(1,2,3-cd)pyrene
Concen: 25.04 ng
RT: 16.756 min Scan# 2494
Delta R.T. -0.018 min
Lab File: BF121981.D
Acq: 15 Oct 2020 5:59

Tgt Ion:276 Resp: 341560
Ion Ratio Lower Upper
276 100
138 21.3 19.9 29.9
277 24.4 20.4 30.6

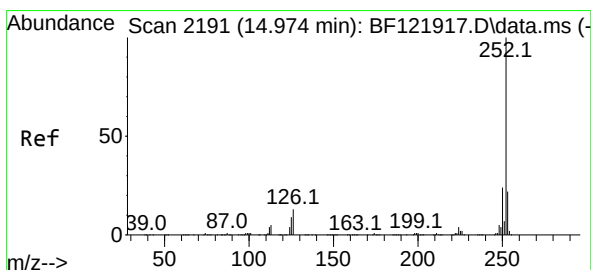
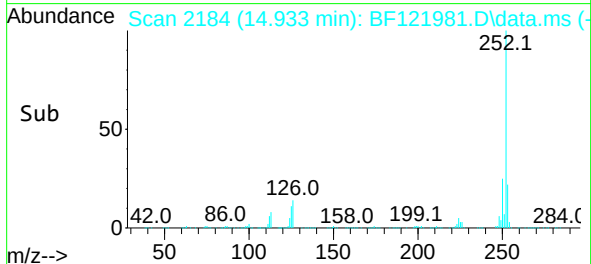
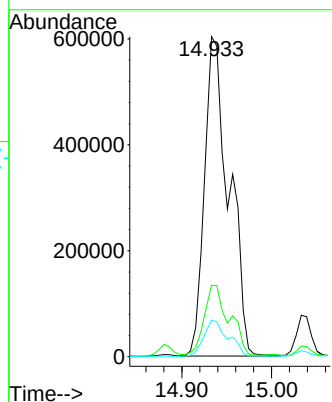
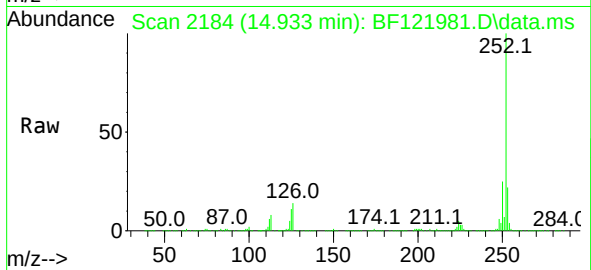




#88
Benzo(b)fluoranthene
Concen: 80.81 ng
RT: 14.933 min Scan# 2184
Delta R.T. -0.012 min
Lab File: BF121981.D
Acq: 15 Oct 2020 5:59

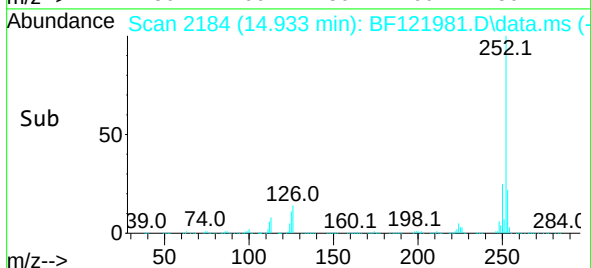
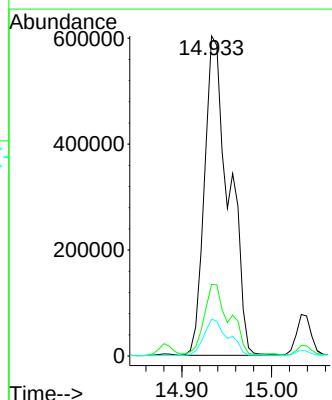
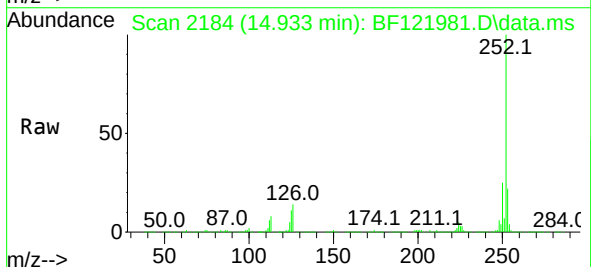
Instrument :
BNA_F
ClientSampled :
BG-3

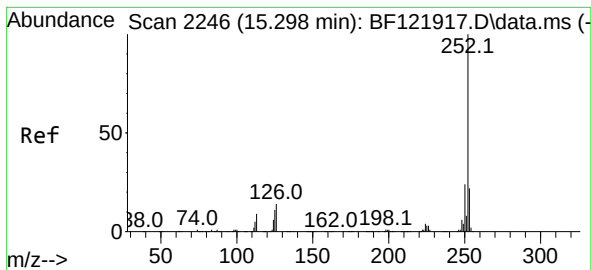
Tgt Ion:252 Resp: 1147827
Ion Ratio Lower Upper
252 100
253 22.4 18.2 27.2
125 11.4 8.0 12.0



#89
Benzo(k)fluoranthene
Concen: 85.07 ng
RT: 14.933 min Scan# 2184
Delta R.T. -0.041 min
Lab File: BF121981.D
Acq: 15 Oct 2020 5:59

Tgt Ion:252 Resp: 1147827
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.6
125 11.4 7.7 11.5

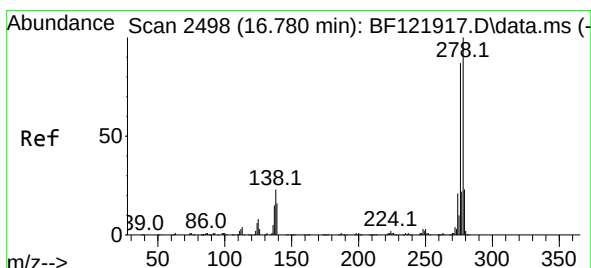
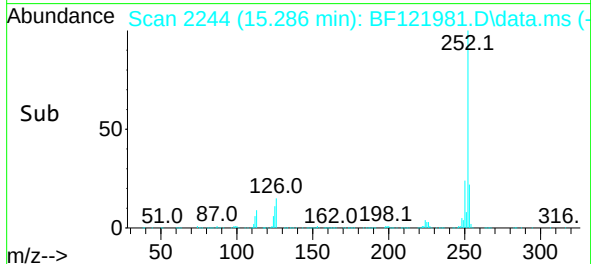
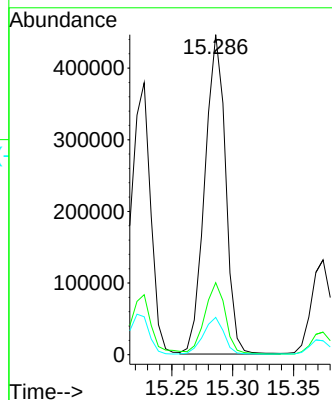
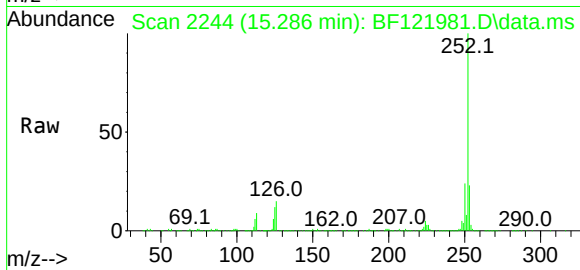




#90
Benzo(a)pyrene
Concen: 43.16 ng
RT: 15.286 min Scan# 2244
Delta R.T. -0.012 min
Lab File: BF121981.D
Acq: 15 Oct 2020 5:59

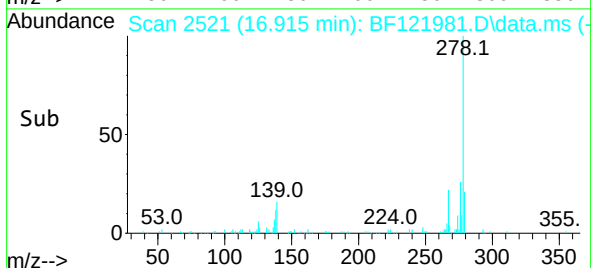
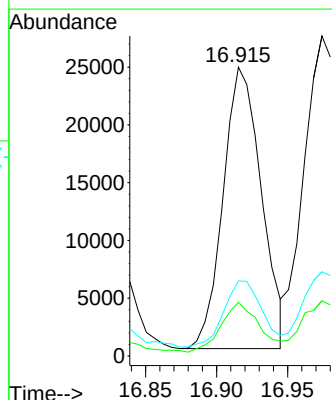
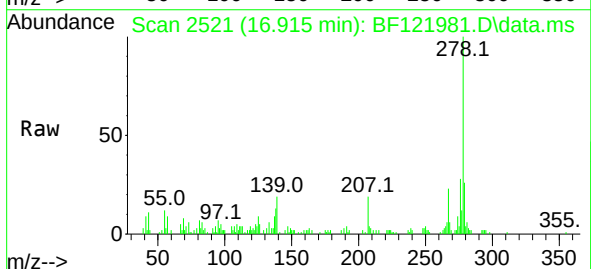
Instrument :
BNA_F
ClientSampled :
BG-3

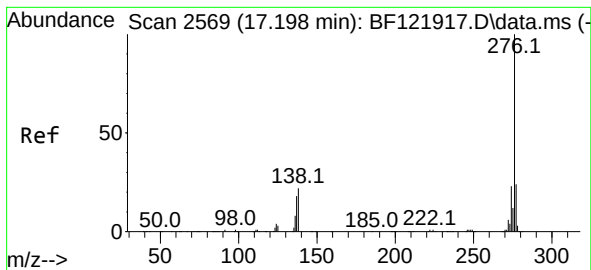
Tgt Ion:252 Resp: 529502
Ion Ratio Lower Upper
252 100
253 22.5 17.3 25.9
125 11.6 8.6 13.0



#91
Dibenzo(a,h)anthracene
Concen: 4.06 ng
RT: 16.915 min Scan# 2521
Delta R.T. 0.135 min
Lab File: BF121981.D
Acq: 15 Oct 2020 5:59

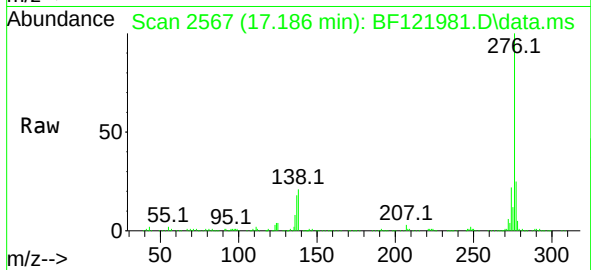
Tgt Ion:278 Resp: 45609
Ion Ratio Lower Upper
278 100
139 18.6 13.0 19.4
279 26.0 19.0 28.4





#92
 Benzo(g,h,i)perylene
 Concen: 29.54 ng
 RT: 17.186 min Scan# 2567
 Delta R.T. -0.012 min
 Lab File: BF121981.D
 Acq: 15 Oct 2020 5:59

Instrument :
 BNA_F
 ClientSampleId :
 BG-3



Tgt Ion:	276	Resp:	332146
Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.4	29.2
138	21.0	17.8	26.6

