

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101420\
 Data File : BF121979.D
 Acq On : 15 Oct 2020 4:57
 Operator : JU/CG
 Sample : L4390-01
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BG-1

Quant Time: Oct 15 06:27:07 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)

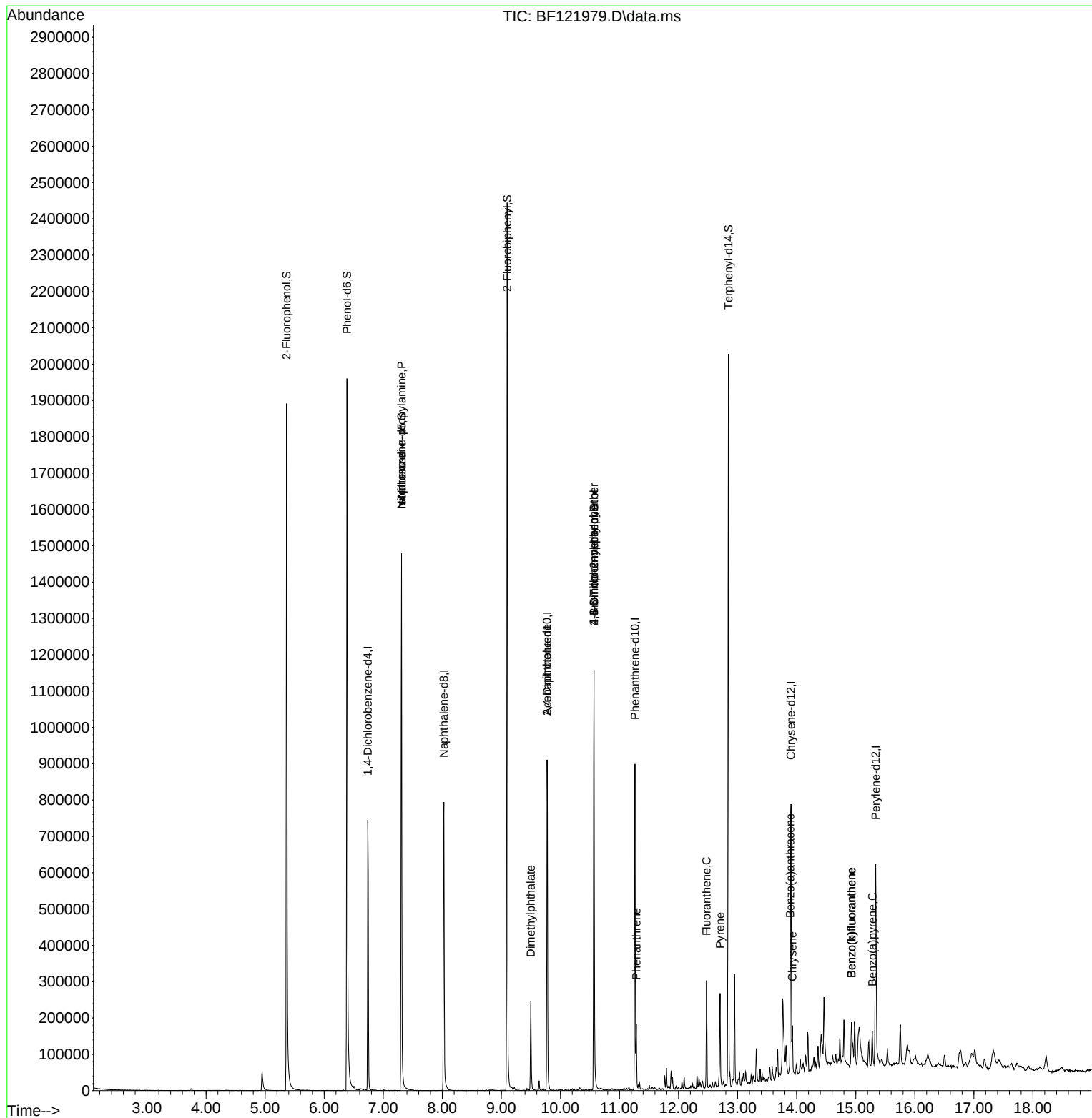
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	105483	20.00	ng	0.00
21) Naphthalene-d8	8.028	136	404321	20.00	ng	0.00
39) Acenaphthene-d10	9.775	164	194139	20.00	ng	-0.01
64) Phenanthrene-d10	11.263	188	311573	20.00	ng	-0.01
76) Chrysene-d12	13.904	240	240468	20.00	ng	-0.01
86) Perylene-d12	15.339	264	221363	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	544894	76.24	ng	0.00
7) Phenol-d6	6.387	99	699179	76.00	ng	-0.01
23) Nitrobenzene-d5	7.310	82	484256	61.42	ng	-0.01
42) 2,4,6-Tribromophenol	10.569	330	155124	64.59	ng	-0.01
45) 2-Fluorobiphenyl	9.098	172	786139	59.58	ng	-0.01
79) Terphenyl-d14	12.845	244	592342	46.94	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.328	77	499	Below Cal	#	82
19) n-Nitroso-di-n-propyla...	7.310	70	63059	12.04	ng	# 79
25) Isophorone	7.310	82	484253	32.48	ng	# 67
50) Dimethylphthalate	9.498	163	108863	7.67	ng	97
57) 2,4-Dinitrotoluene	9.775	165	25170	6.57	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.569	198	238	4.54	ng	# 1
67) 4-Bromophenyl-phenylether	10.569	248	9160	2.54	ng	# 1
71) Phenanthrene	11.286	178	59294	3.47	ng	100
75) Fluoranthene	12.474	202	105450	5.76	ng	98
78) Pyrene	12.704	202	98776	5.39	ng	99
81) Benzo(a)anthracene	13.892	228	36093	2.29	ng	95
83) Chrysene	13.927	228	52489	3.39	ng	98
88) Benzo(b)fluoranthene	14.927	252	77547	5.18	ng	# 96
89) Benzo(k)fluoranthene	14.927	252	77547	5.46	ng	# 95
90) Benzo(a)pyrene	15.280	252	37898	2.93	ng	98

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

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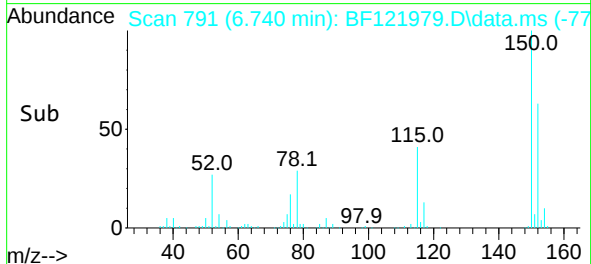
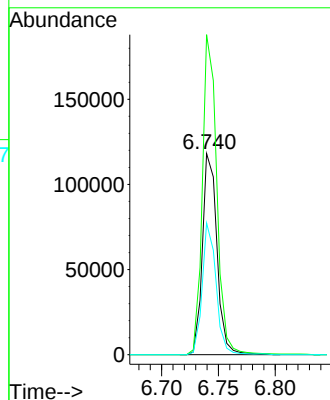
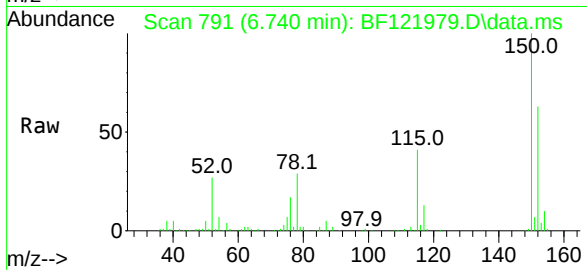




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.740 min Scan# 791
Delta R.T. -0.005 min
Lab File: BF121979.D
Acq: 15 Oct 2020 4:57

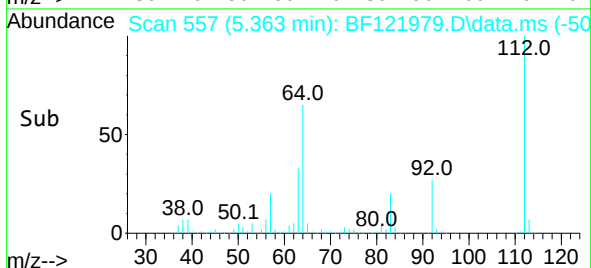
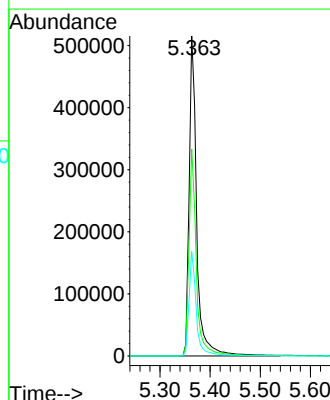
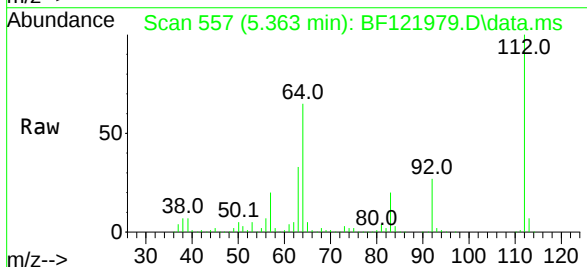
Instrument :
BNA_F
ClientSampleId :
BG-1

Tgt Ion:152 Resp: 105483
Ion Ratio Lower Upper
152 100
150 159.1 125.3 187.9
115 65.5 51.9 77.9



#5
2-Fluorophenol
Concen: 76.24 ng
RT: 5.363 min Scan# 557
Delta R.T. 0.000 min
Lab File: BF121979.D
Acq: 15 Oct 2020 4:57

Tgt Ion:112 Resp: 544894
Ion Ratio Lower Upper
112 100
64 64.7 50.4 75.6
63 32.7 25.8 38.6

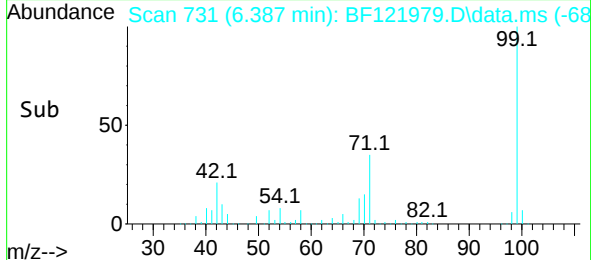
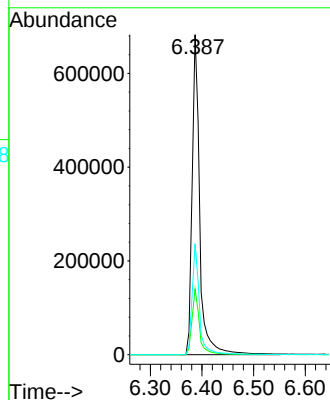
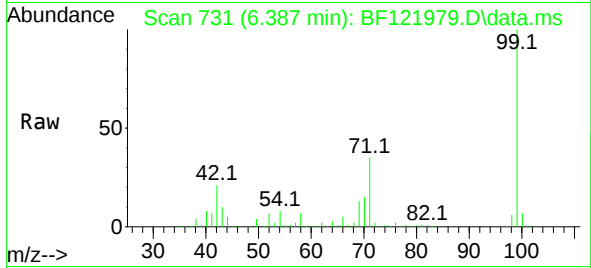




#7
Phenol-d6
Concen: 76.00 ng
RT: 6.387 min Scan# 731
Delta R.T. -0.012 min
Lab File: BF121979.D
Acq: 15 Oct 2020 4:57

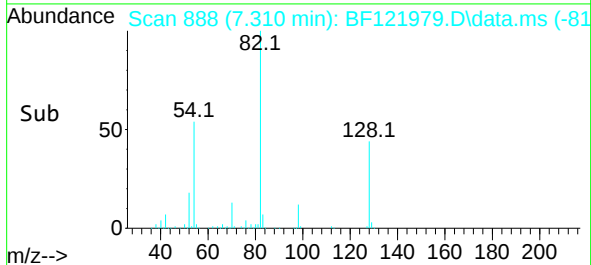
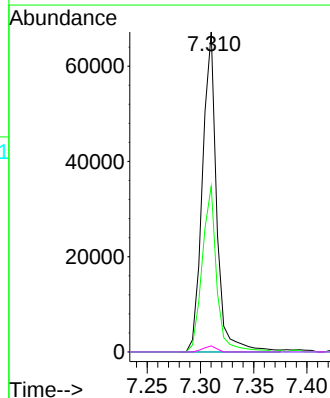
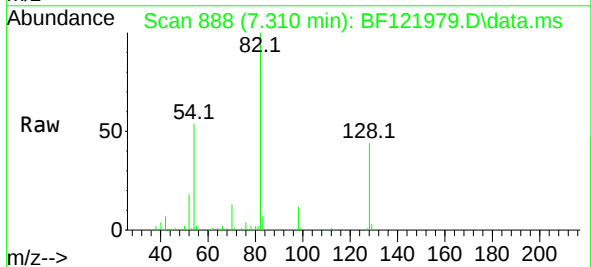
Instrument :
BNA_F
ClientSampleId :
BG-1

Tgt Ion: 99 Resp: 699179
Ion Ratio Lower Upper
99 100
42 20.5 15.9 23.9
71 34.7 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 12.04 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.141 min
Lab File: BF121979.D
Acq: 15 Oct 2020 4:57

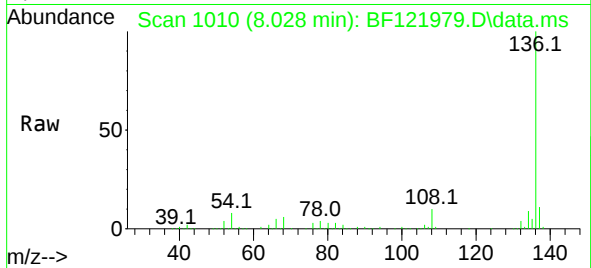
Tgt Ion: 70 Resp: 63059
Ion Ratio Lower Upper
70 100
42 51.8 50.2 75.4
101 0.0 7.5 11.3#
130 1.9 15.5 23.3#



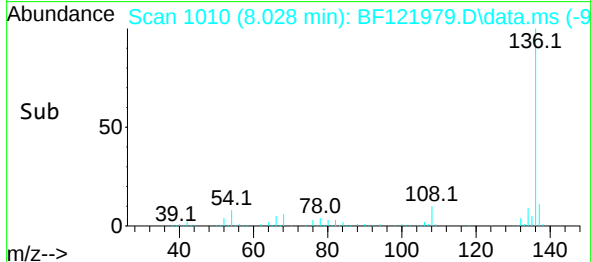
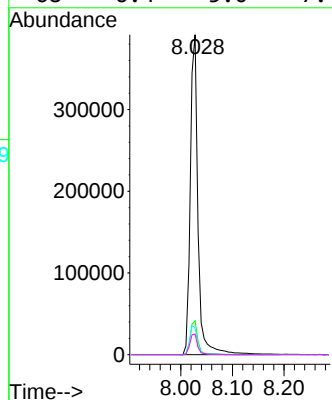


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.028 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BF121979.D
Acq: 15 Oct 2020 4:57

Instrument :
BNA_F
ClientSampleId :
BG-1

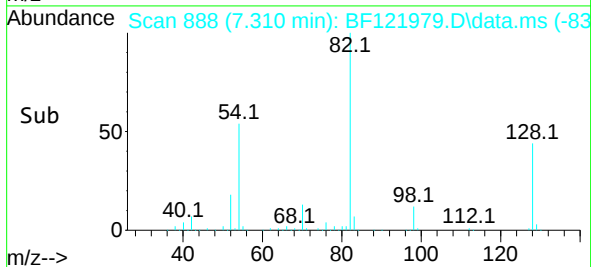
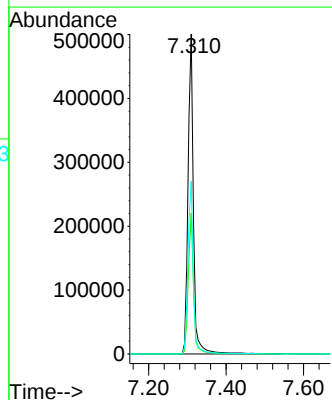
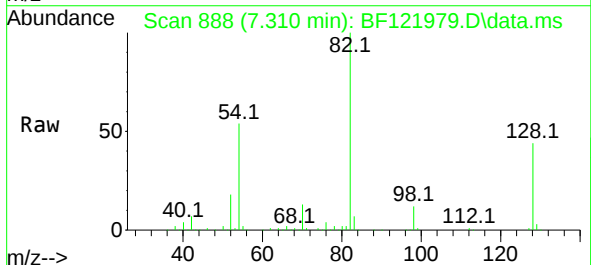


Tgt Ion:136 Resp: 404321
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 8.5 7.1 10.7
68 6.4 5.0 7.4



#23
Nitrobenzene-d5
Concen: 61.42 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.012 min
Lab File: BF121979.D
Acq: 15 Oct 2020 4:57

Tgt Ion: 82 Resp: 484256
Ion Ratio Lower Upper
82 100
128 44.0 35.0 52.4
54 54.1 43.9 65.9

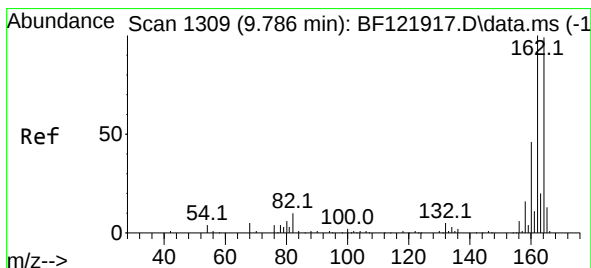
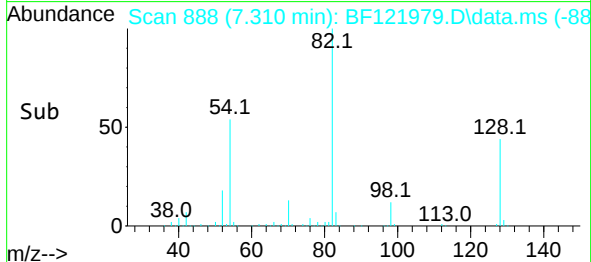
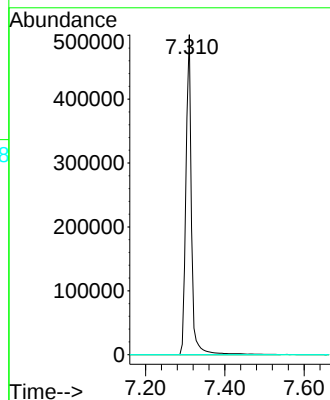
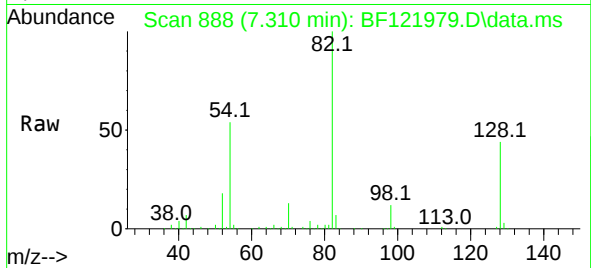




#25
Isophorone
Concen: 32.48 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.271 min
Lab File: BF121979.D
Acq: 15 Oct 2020 4:57

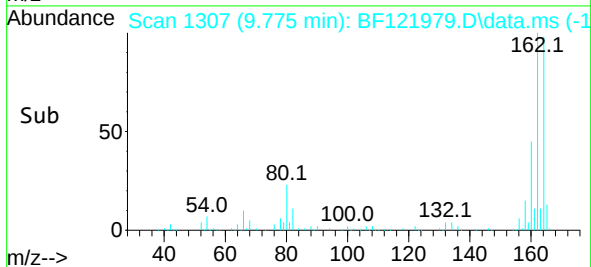
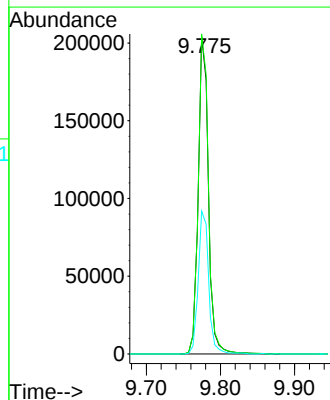
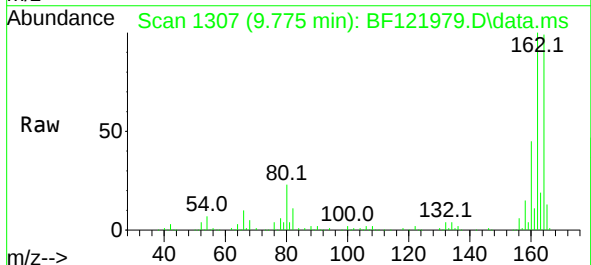
Instrument :
BNA_F
ClientSampleId :
BG-1

Tgt Ion: 82 Resp: 484253
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: BF121979.D
Acq: 15 Oct 2020 4:57

Tgt Ion:164 Resp: 194139
Ion Ratio Lower Upper
164 100
162 100.8 83.2 124.8
160 45.0 37.5 56.3

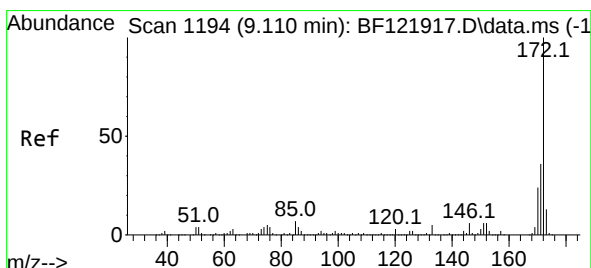
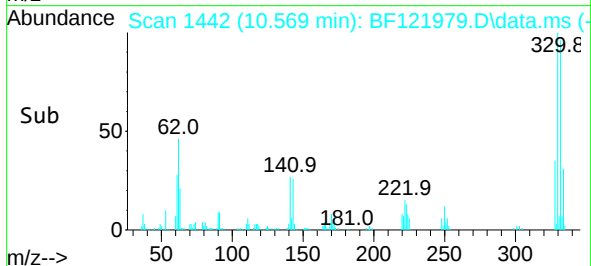
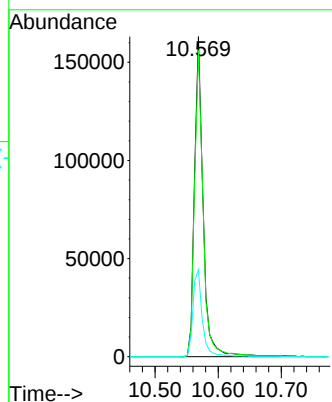
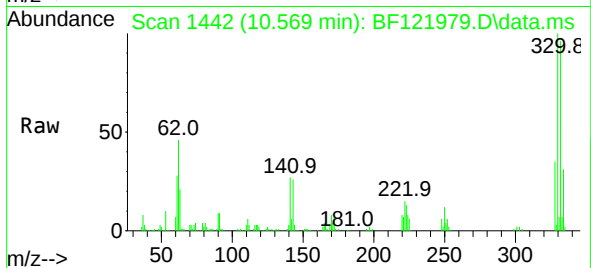




#42
2,4,6-Tribromophenol
Concen: 64.59 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.012 min
Lab File: BF121979.D
Acq: 15 Oct 2020 4:57

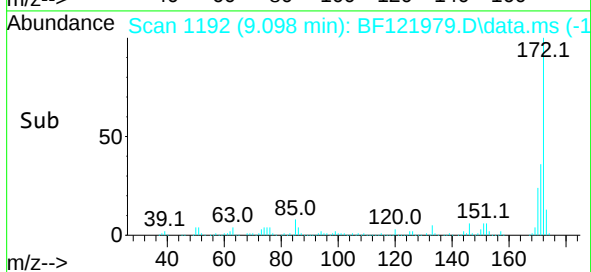
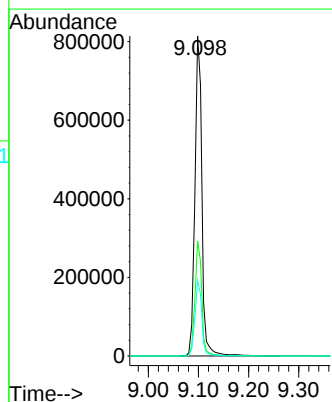
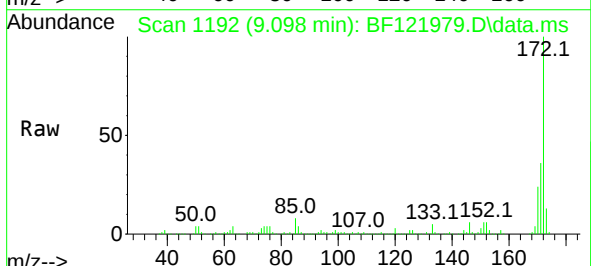
Instrument :
BNA_F
ClientSampleId :
BG-1

Tgt Ion: 330 Resp: 155124
Ion Ratio Lower Upper
330 100
332 96.7 77.3 115.9
141 29.8 22.3 33.5



#45
2-Fluorobiphenyl
Concen: 59.58 ng
RT: 9.098 min Scan# 1192
Delta R.T. -0.012 min
Lab File: BF121979.D
Acq: 15 Oct 2020 4:57

Tgt Ion: 172 Resp: 786139
Ion Ratio Lower Upper
172 100
171 35.9 29.1 43.7
170 23.7 19.8 29.6

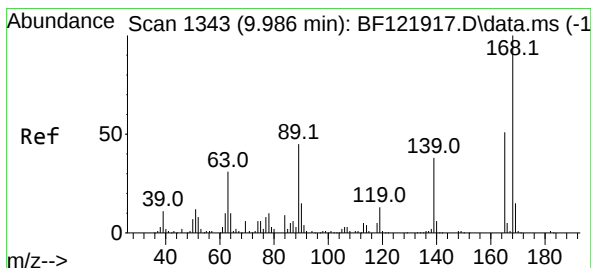
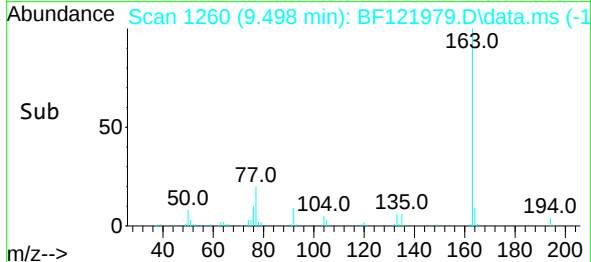
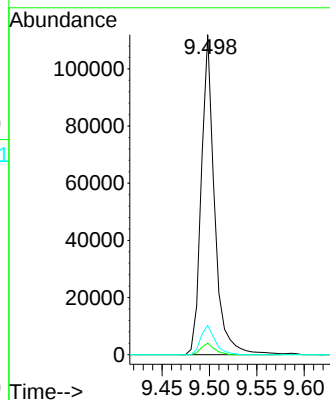
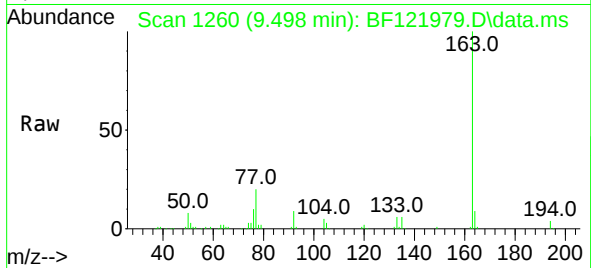




#50
Dimethylphthalate
Concen: 7.67 ng
RT: 9.498 min Scan# 1260
Delta R.T. -0.018 min
Lab File: BF121979.D
Acq: 15 Oct 2020 4:57

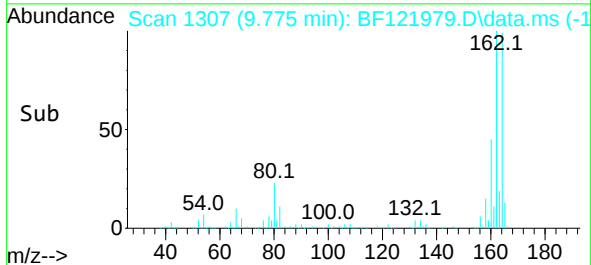
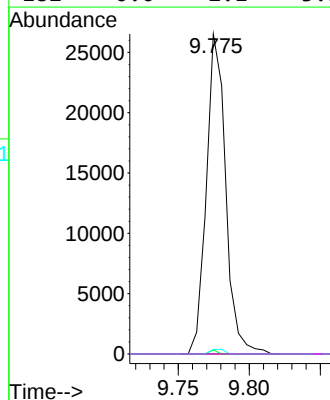
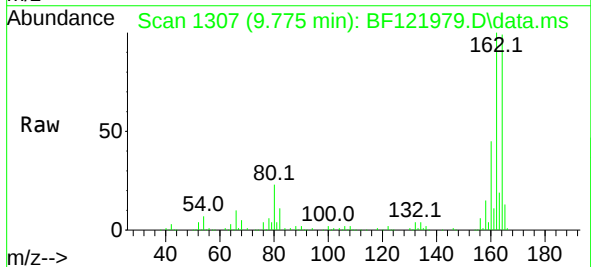
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ClientSampleId :
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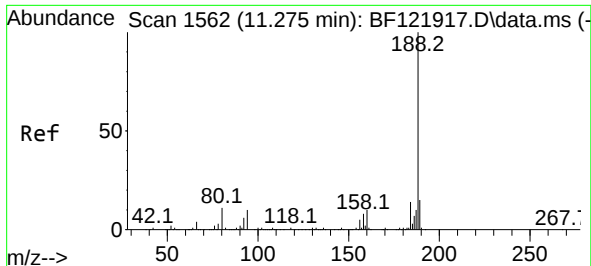
Tgt Ion:163 Resp: 108863
Ion Ratio Lower Upper
163 100
194 3.6 3.3 4.9
164 9.1 8.2 12.4



#57
2,4-Dinitrotoluene
Concen: 6.57 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.212 min
Lab File: BF121979.D
Acq: 15 Oct 2020 4:57

Tgt Ion:165 Resp: 25170
Ion Ratio Lower Upper
165 100
63 1.2 41.3 61.9#
89 1.4 61.8 92.8#
182 0.0 2.1 3.1#

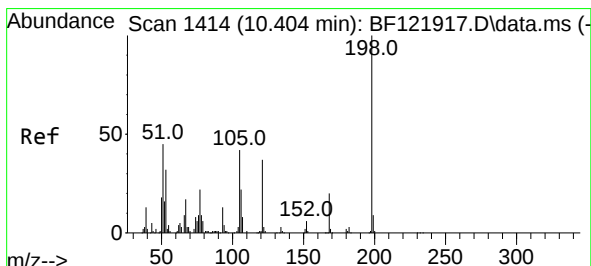
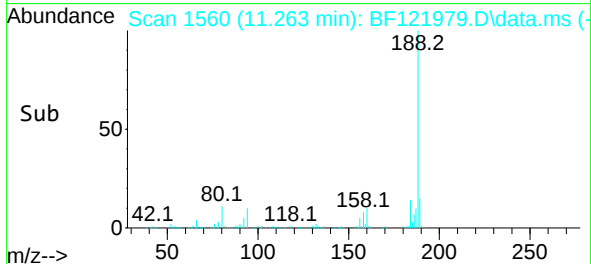
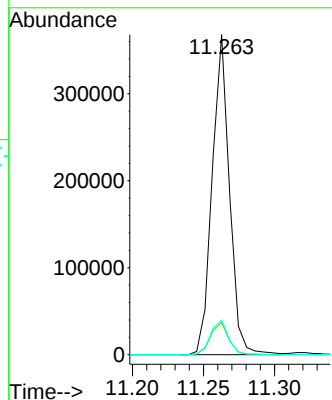
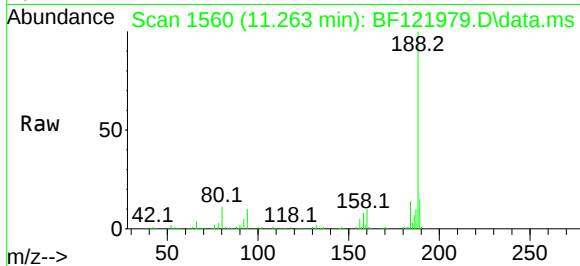




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.012 min
Lab File: BF121979.D
Acq: 15 Oct 2020 4:57

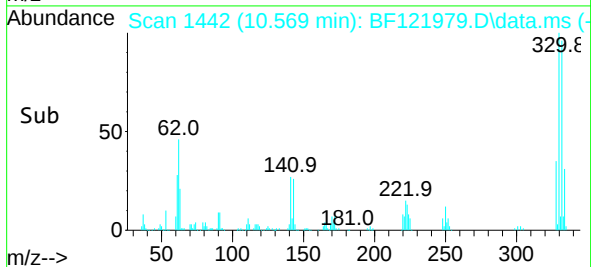
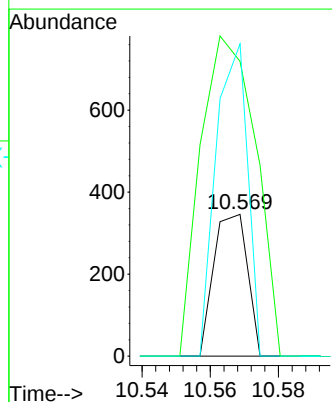
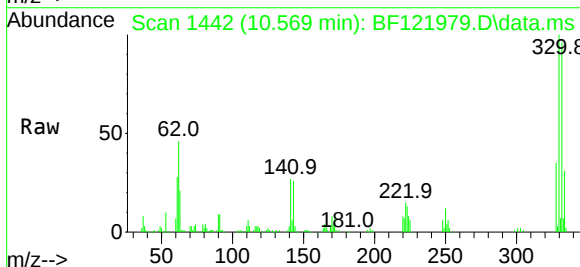
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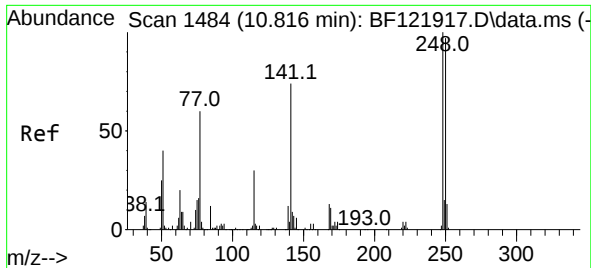
Tgt Ion:188 Resp: 311573
Ion Ratio Lower Upper
188 100
94 10.1 8.3 12.5
80 10.9 9.1 13.7



#65
4,6-Dinitro-2-methylphenol
Concen: 4.54 ng
RT: 10.569 min Scan# 1442
Delta R.T. 0.165 min
Lab File: BF121979.D
Acq: 15 Oct 2020 4:57

Tgt Ion:198 Resp: 238
Ion Ratio Lower Upper
198 100
51 207.8 29.6 69.6#
105 220.2 24.4 64.4#

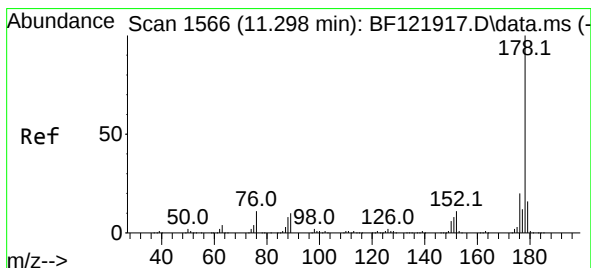
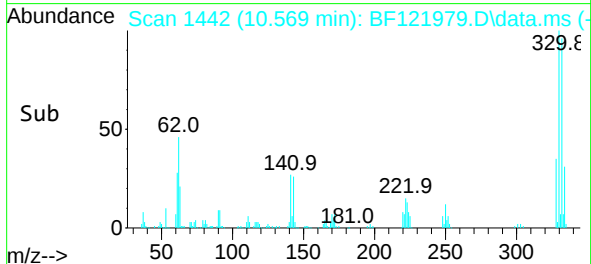
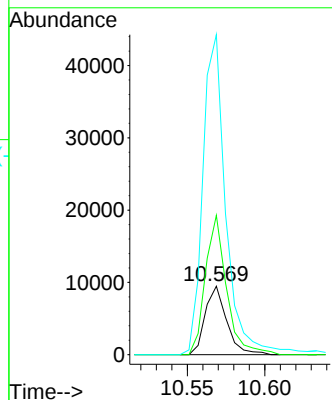
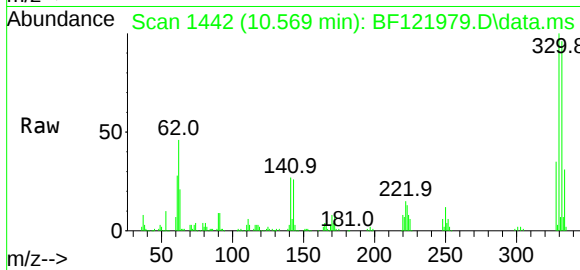




#67
4-Bromophenyl-phenylether
Concen: 2.54 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.247 min
Lab File: BF121979.D
Acq: 15 Oct 2020 4:57

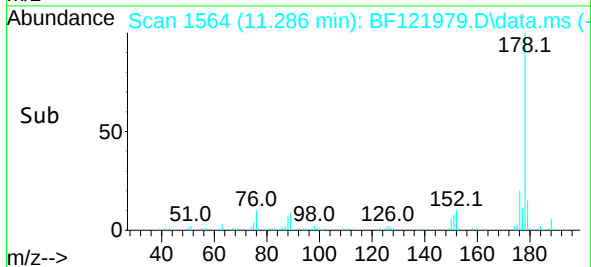
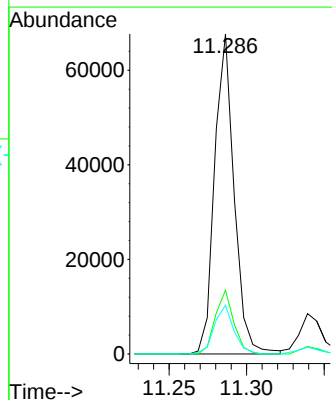
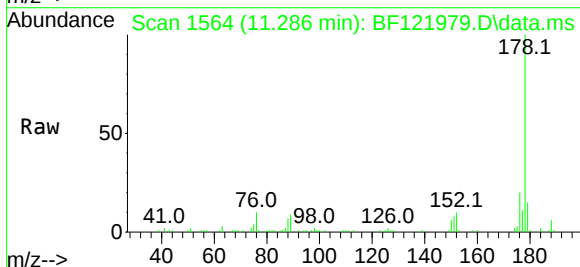
Instrument :
BNA_F
ClientSampleId :
BG-1

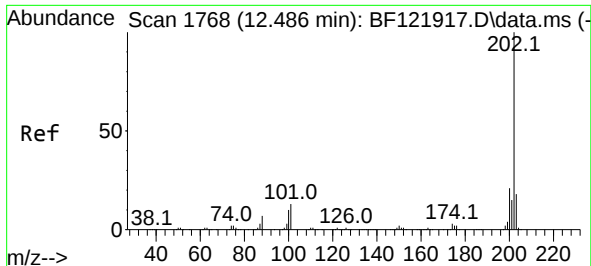
Tgt Ion:248 Resp: 9160
Ion Ratio Lower Upper
248 100
250 203.4 77.0 115.6#
141 466.9 53.7 80.5#



#71
Phenanthrene
Concen: 3.47 ng
RT: 11.286 min Scan# 1564
Delta R.T. -0.012 min
Lab File: BF121979.D
Acq: 15 Oct 2020 4:57

Tgt Ion:178 Resp: 59294
Ion Ratio Lower Upper
178 100
176 19.9 15.9 23.9
179 15.2 12.2 18.4

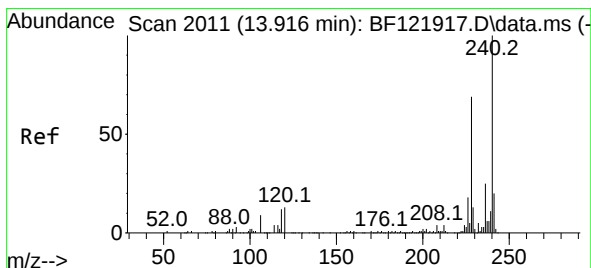
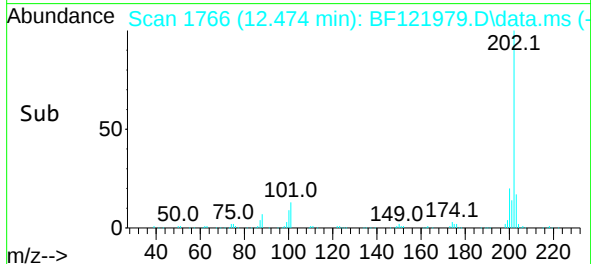
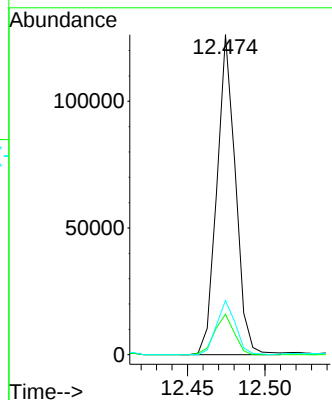
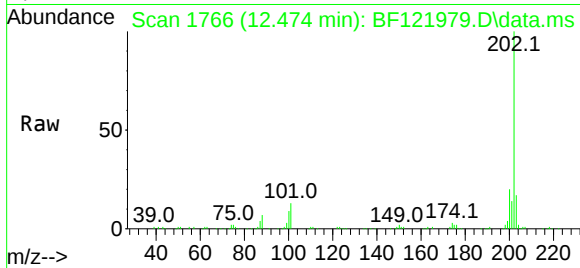




#75
Fluoranthene
Concen: 5.76 ng
RT: 12.474 min Scan# 1766
Delta R.T. -0.012 min
Lab File: BF121979.D
Acq: 15 Oct 2020 4:57

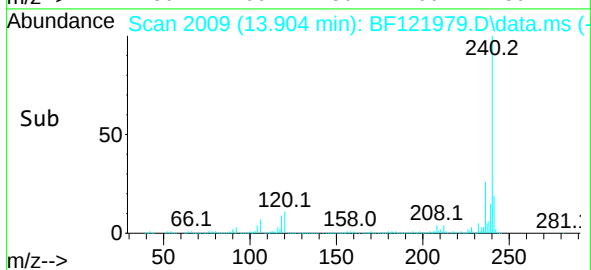
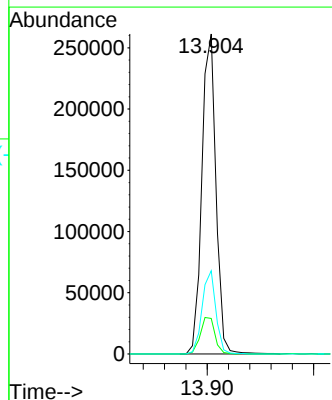
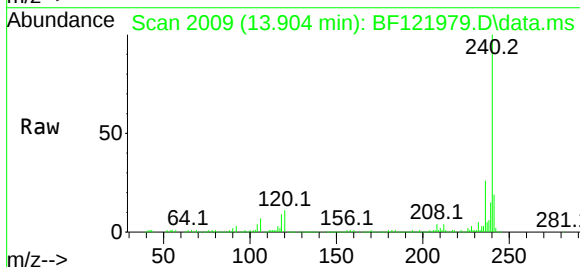
Instrument :
BNA_F
ClientSampleId :
BG-1

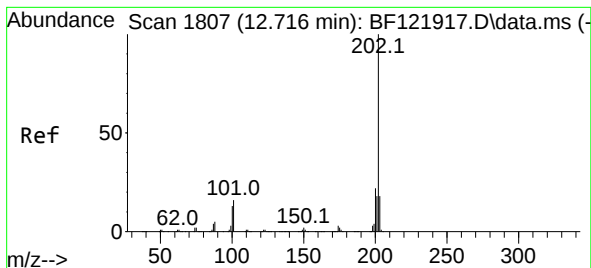
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	33.4
203	16.9	0.0	37.9



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.904 min Scan# 2009
Delta R.T. -0.012 min
Lab File: BF121979.D
Acq: 15 Oct 2020 4:57

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.1	9.2	13.8
236	26.0	20.9	31.3





#78

Pyrene

Concen: 5.39 ng

RT: 12.704 min Scan# 1805

Delta R.T. -0.012 min

Lab File: BF121979.D

Acq: 15 Oct 2020 4:57

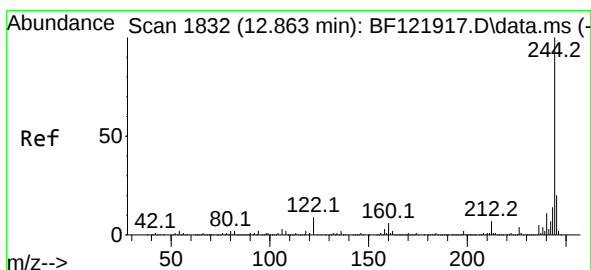
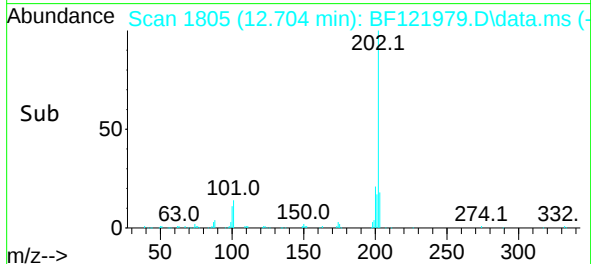
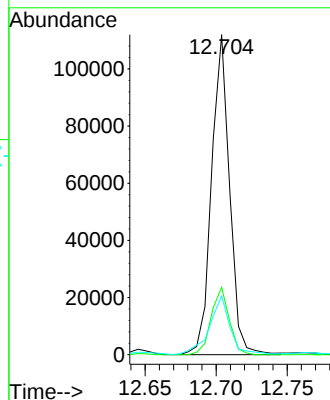
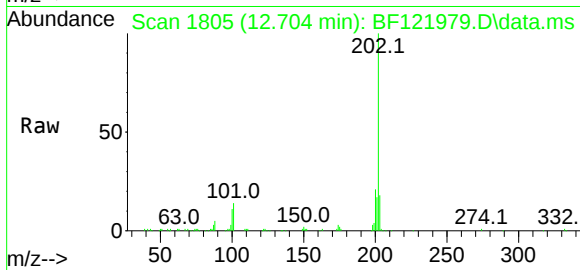
Tgt Ion:	202	Resp:	98776
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.4	26.2
203	18.3	14.6	21.8

Instrument :

BNA_F

ClientSampleId :

BG-1



#79

Terphenyl-d14

Concen: 46.94 ng

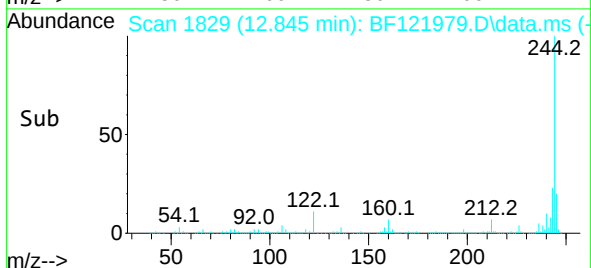
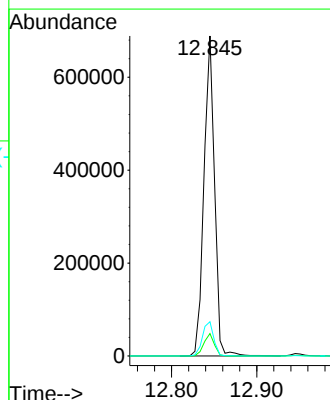
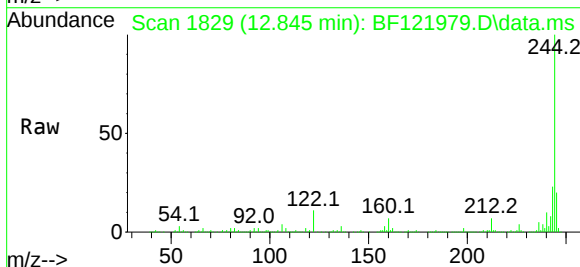
RT: 12.845 min Scan# 1829

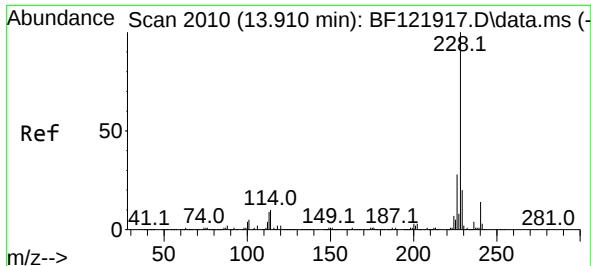
Delta R.T. -0.018 min

Lab File: BF121979.D

Acq: 15 Oct 2020 4:57

Tgt Ion:	244	Resp:	592342
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.4	8.2
122	10.7	8.1	12.1

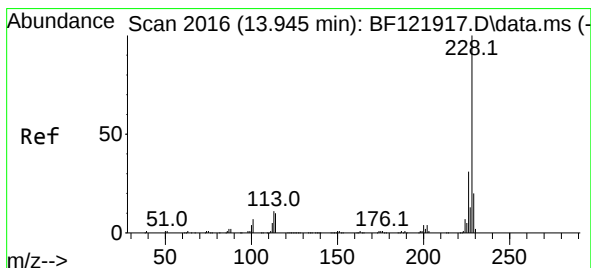
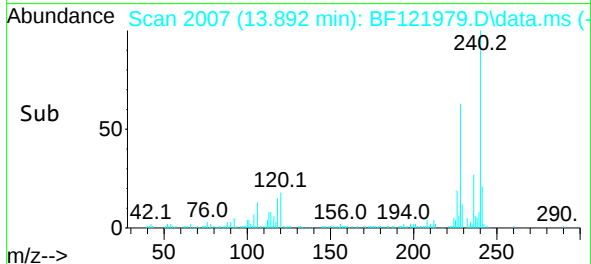
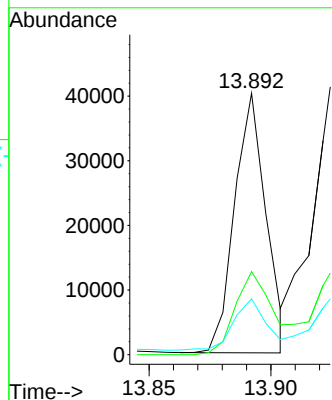
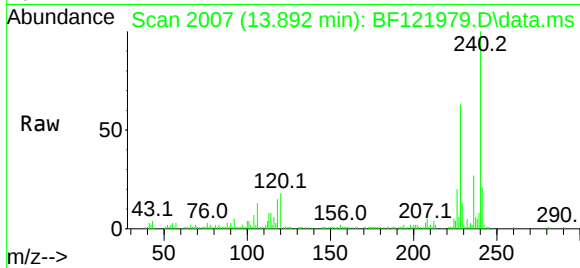




#81
Benzo(a)anthracene
Concen: 2.29 ng
RT: 13.892 min Scan# 2007
Delta R.T. -0.018 min
Lab File: BF121979.D
Acq: 15 Oct 2020 4:57

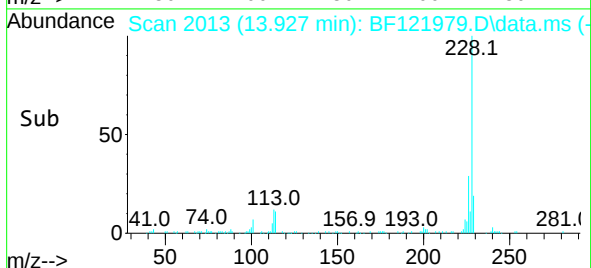
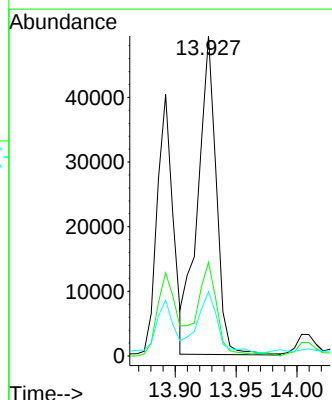
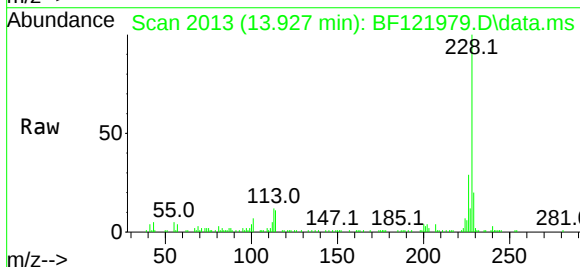
Instrument :
BNA_F
ClientSampleId :
BG-1

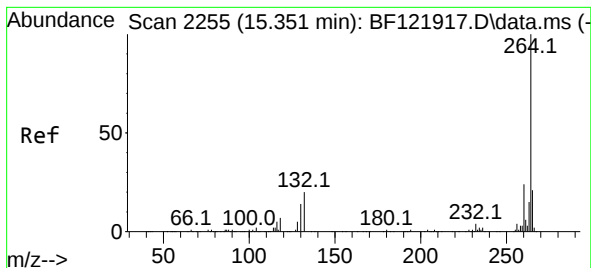
Tgt Ion:228 Resp: 36093
Ion Ratio Lower Upper
228 100
226 31.8 22.3 33.5
229 21.3 16.2 24.4



#83
Chrysene
Concen: 3.39 ng
RT: 13.927 min Scan# 2013
Delta R.T. -0.018 min
Lab File: BF121979.D
Acq: 15 Oct 2020 4:57

Tgt Ion:228 Resp: 52489
Ion Ratio Lower Upper
228 100
226 29.3 24.6 37.0
229 20.2 15.9 23.9

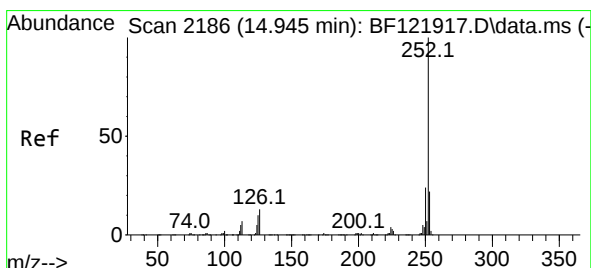
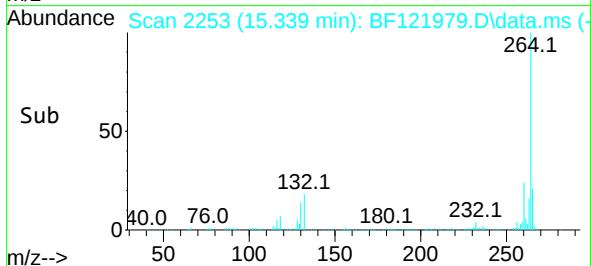
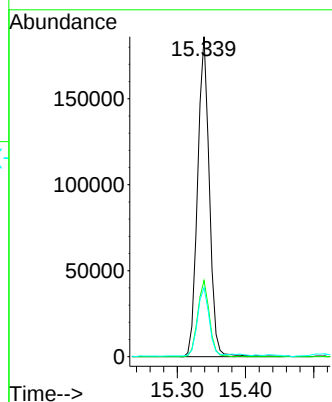
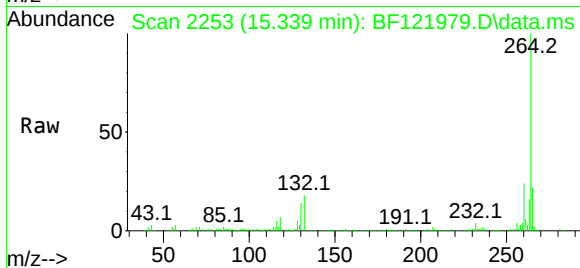




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.339 min Scan# 2253
Delta R.T. -0.012 min
Lab File: BF121979.D
Acq: 15 Oct 2020 4:57

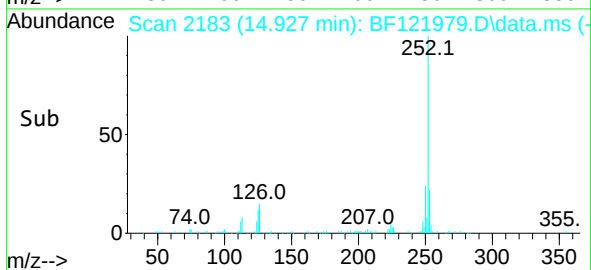
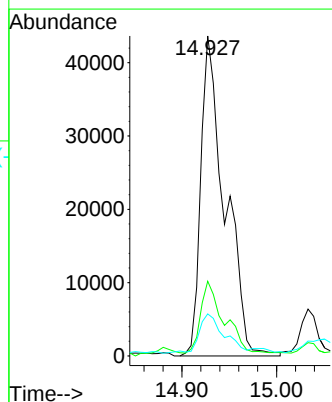
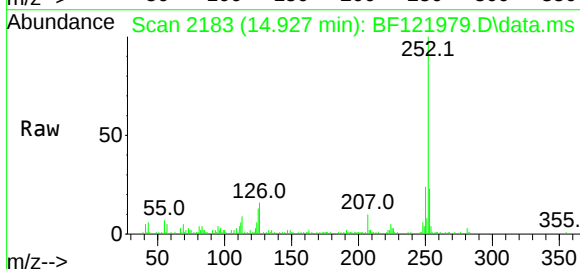
Instrument :
BNA_F
ClientSampleId :
BG-1

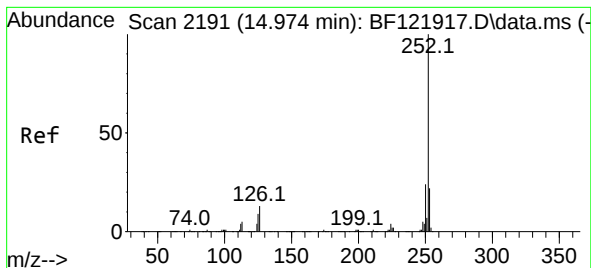
Tgt Ion:264 Resp: 221363
Ion Ratio Lower Upper
264 100
260 23.8 18.7 28.1
265 21.5 17.3 25.9



#88
Benzo(b)fluoranthene
Concen: 5.18 ng
RT: 14.927 min Scan# 2183
Delta R.T. -0.018 min
Lab File: BF121979.D
Acq: 15 Oct 2020 4:57

Tgt Ion:252 Resp: 77547
Ion Ratio Lower Upper
252 100
253 23.3 18.2 27.2
125 13.1 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 5.46 ng

RT: 14.927 min Scan# 2183

Delta R.T. -0.047 min

Lab File: BF121979.D

Acq: 15 Oct 2020 4:57

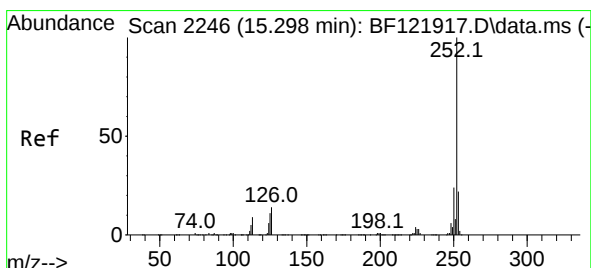
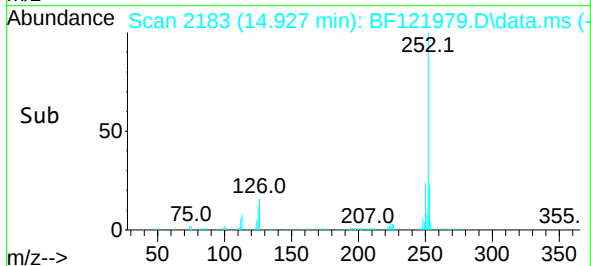
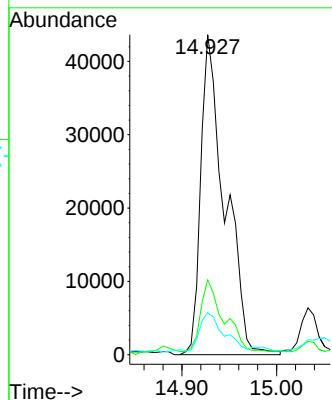
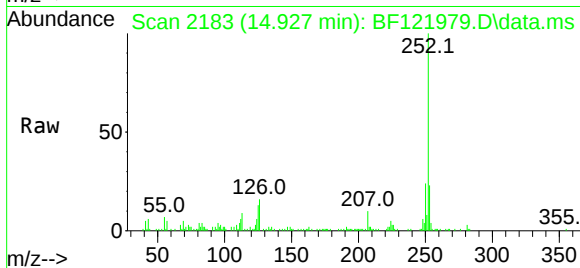
Tgt Ion:	252	Resp:	77547
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.8	26.6
125	13.1	7.7	11.5#

Instrument :

BNA_F

ClientSampleId :

BG-1



#90

Benzo(a)pyrene

Concen: 2.93 ng

RT: 15.280 min Scan# 2243

Delta R.T. -0.018 min

Lab File: BF121979.D

Acq: 15 Oct 2020 4:57

Tgt Ion:	252	Resp:	37898
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.3	25.9
125	12.8	8.6	13.0

