

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032921\
 Data File : BF123512.D
 Acq On : 30 Mar 2021 00:03
 Operator : JU/CG
 Sample : M1809-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1-3-DRUM

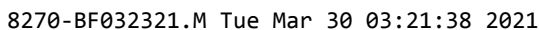
Quant Time: Mar 30 03:21:31 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 26 12:51:59 2021
 Response via : Initial Calibration

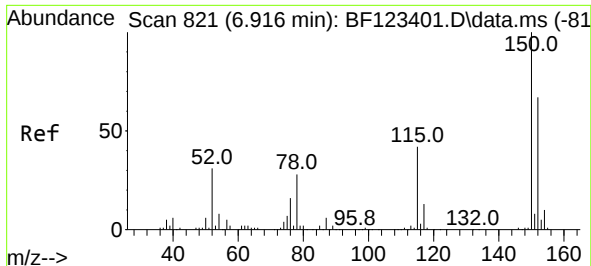
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	256844	20.00	ng	0.00
21) Naphthalene-d8	8.180	136	922553	20.00	ng	# 0.00
39) Acenaphthene-d10	9.939	164	492979	20.00	ng	0.00
64) Phenanthrene-d10	11.427	188	827050	20.00	ng	0.00
76) Chrysene-d12	14.074	240	513336	20.00	ng	-0.01
86) Perylene-d12	15.574	264	545363	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1617315	103.01	ng	0.01
7) Phenol-d6	6.528	99	2062679	98.69	ng	0.00
23) Nitrobenzene-d5	7.463	82	1385719	81.07	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	605958	109.95	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	2300097	66.66	ng	0.00
79) Terphenyl-d14	13.021	244	1976868	65.27	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.445	77	1031	Below Cal		88
10) Phenol	6.539	94	50834	2.37	ng	90
19) n-Nitroso-di-n-propyla...	7.463	70	193373	14.30	ng	# 81
25) Isophorone	7.463	82	1385687	37.71	ng	# 65
51) 2,6-Dinitrotoluene	9.939	165	63558	8.69	ng	# 31
57) 2,4-Dinitrotoluene	9.939	165	63558	6.96	ng	# 25
65) 4,6-Dinitro-2-methylph...	10.727	198	1230	5.37	ng	# 1
67) 4-Bromophenyl-phenylether	10.733	248	35564	3.63	ng	# 1
71) Phenanthrene	11.451	178	313734	6.86	ng	99
75) Fluoranthene	12.645	202	309030	6.24	ng	96
78) Pyrene	12.874	202	264459	5.97	ng	98
81) Benzo(a)anthracene	14.068	228	104432	3.11	ng	96
83) Chrysene	14.068	228	104432	3.01	ng	93
88) Benzo(b)fluoranthene	15.127	252	141051	3.75	ng	# 95
89) Benzo(k)fluoranthene	15.127	252	141051	3.97	ng	95
90) Benzo(a)pyrene	15.503	252	84434	2.60	ng	# 97

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

Quant Time: Mar 30 03:21:31 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
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QLast Update : Fri Mar 26 12:51:59 2021
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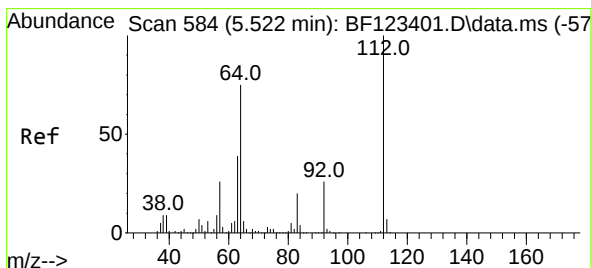
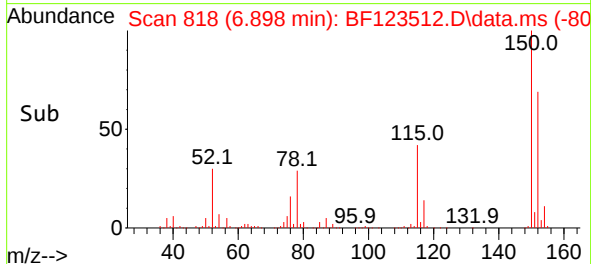
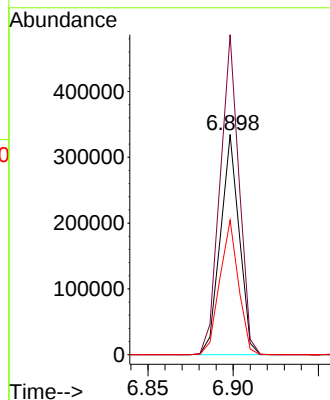
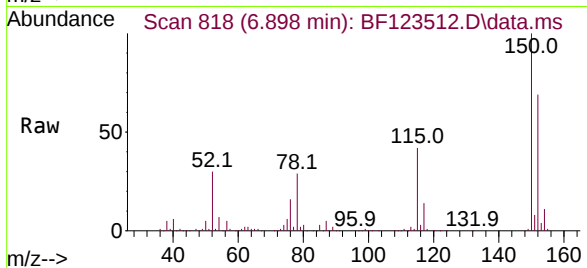




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.898 min Scan# 818
Delta R.T. 0.000 min
Lab File: BF123512.D
Acq: 30 Mar 2021 00:03

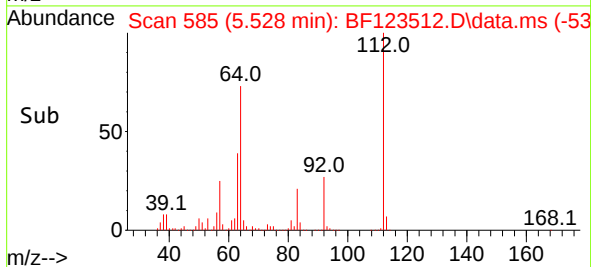
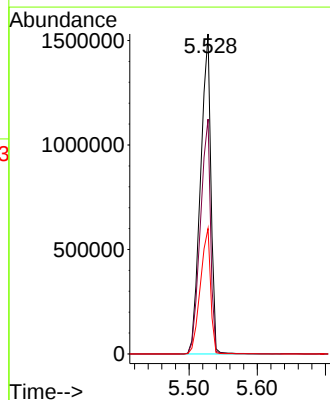
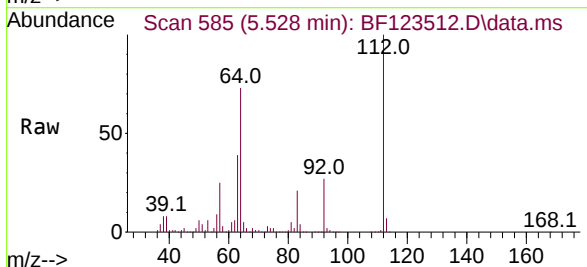
Instrument :
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ClientSampleId :
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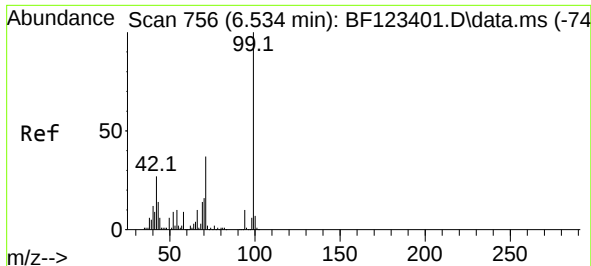
Tgt Ion:152 Resp: 256844
Ion Ratio Lower Upper
152 100
150 145.3 125.8 188.6
115 61.1 49.3 73.9



#5
2-Fluorophenol
Concen: 103.01 ng
RT: 5.528 min Scan# 585
Delta R.T. 0.012 min
Lab File: BF123512.D
Acq: 30 Mar 2021 00:03

Tgt Ion:112 Resp: 1617315
Ion Ratio Lower Upper
112 100
64 73.4 46.9 70.3#
63 39.2 24.5 36.7#

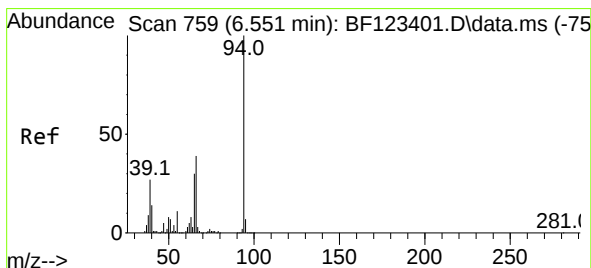
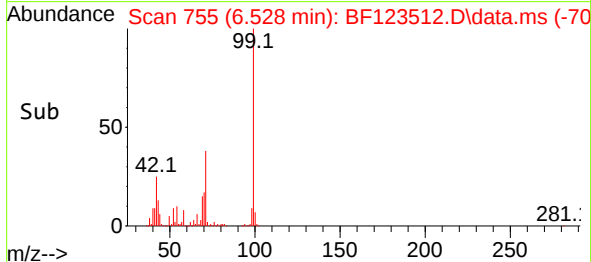
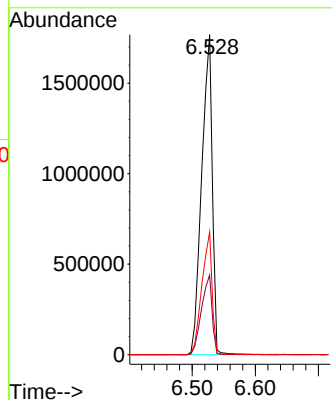
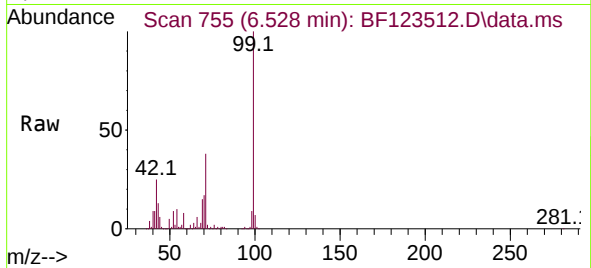




#7
Phenol-d6
Concen: 98.69 ng
RT: 6.528 min Scan# 755
Delta R.T. -0.000 min
Lab File: BF123512.D
Acq: 30 Mar 2021 00:03

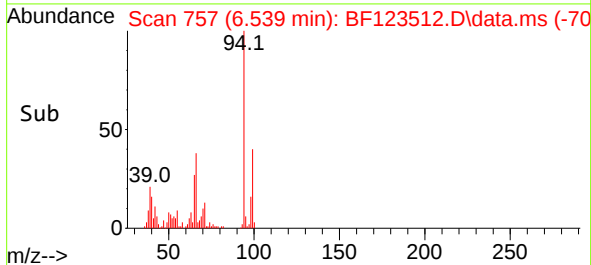
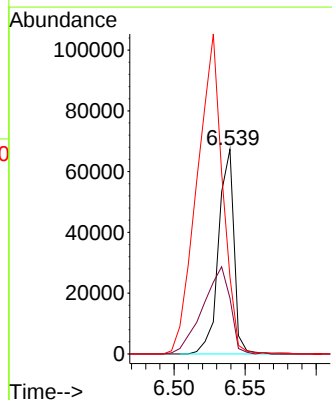
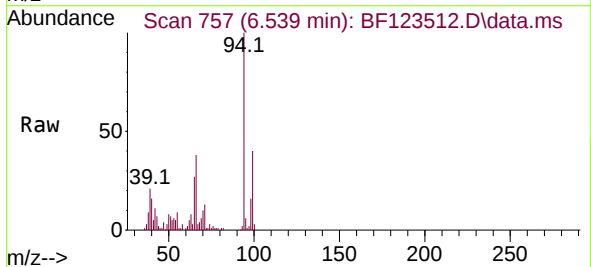
Instrument :
BNA_F
ClientSampleId :
1-3-DRUM

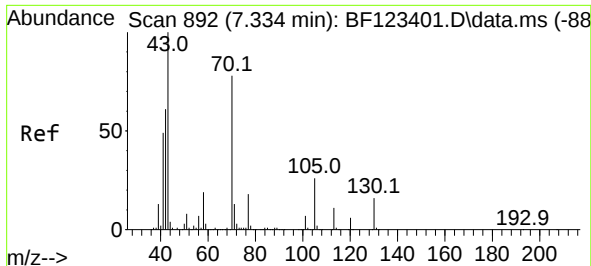
Tgt Ion: 99 Resp: 2062679
Ion Ratio Lower Upper
99 100
42 24.9 13.8 20.6#
71 38.3 26.9 40.3



#10
Phenol
Concen: 2.37 ng
RT: 6.539 min Scan# 757
Delta R.T. -0.000 min
Lab File: BF123512.D
Acq: 30 Mar 2021 00:03

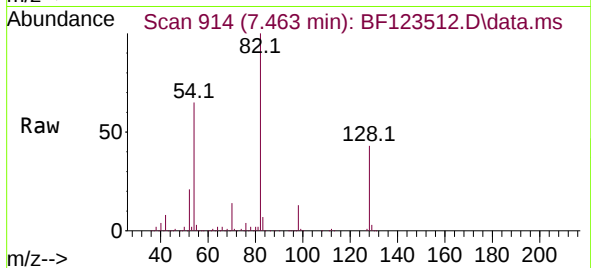
Tgt Ion: 94 Resp: 50834
Ion Ratio Lower Upper
94 100
65 27.3 11.2 51.2
66 37.6 25.8 65.8



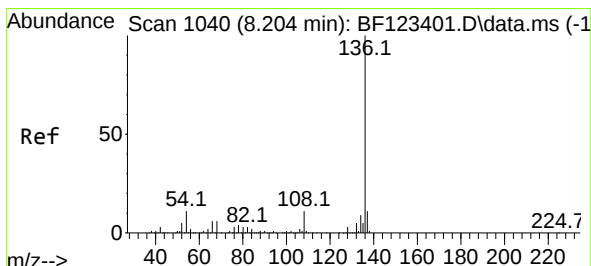
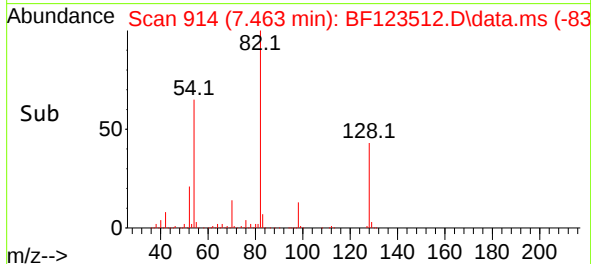
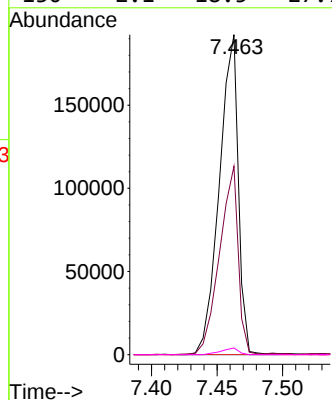


#19
n-Nitroso-di-n-propylamine
Concen: 14.30 ng
RT: 7.463 min Scan# 914
Delta R.T. 0.147 min
Lab File: BF123512.D
Acq: 30 Mar 2021 00:03

Instrument :
BNA_F
ClientSampleId :
1-3-DRUM

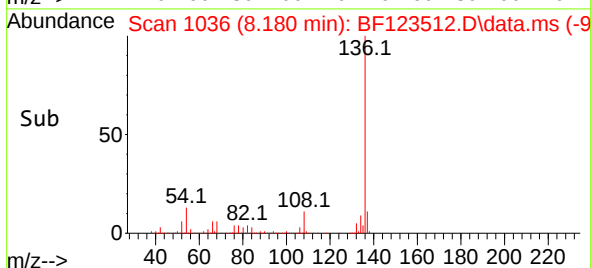
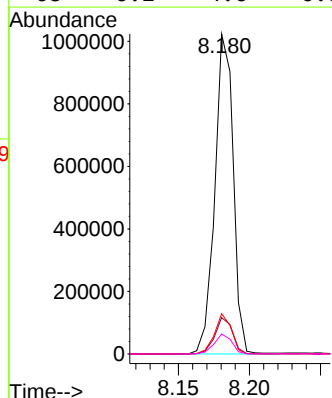
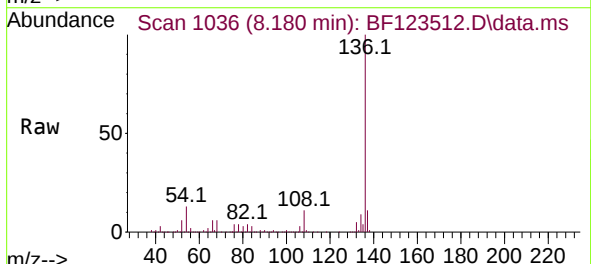


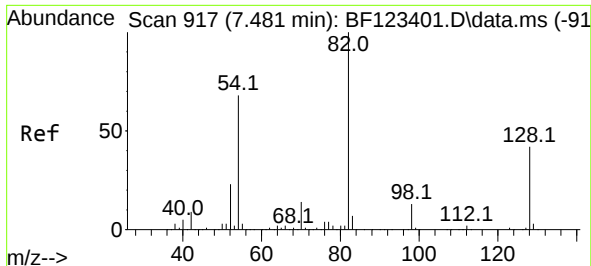
Tgt Ion: 70 Resp: 193373
Ion Ratio Lower Upper
70 100
42 58.8 43.0 64.4
101 0.0 7.9 11.9#
130 2.1 18.5 27.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.180 min Scan# 1036
Delta R.T. -0.006 min
Lab File: BF123512.D
Acq: 30 Mar 2021 00:03

Tgt Ion: 136 Resp: 922553
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 12.6 5.5 8.3#
68 6.2 4.6 6.8

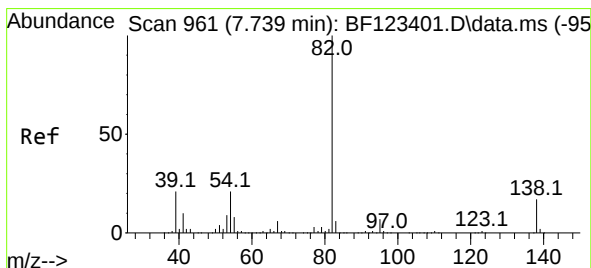
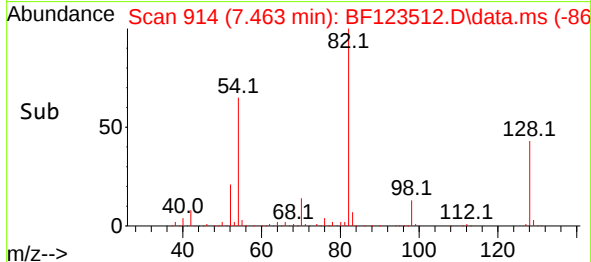
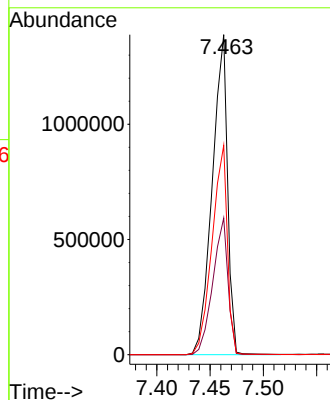
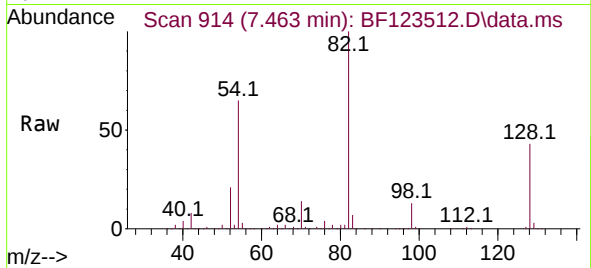




#23
Nitrobenzene-d5
Concen: 81.07 ng
RT: 7.463 min Scan# 914
Delta R.T. -0.000 min
Lab File: BF123512.D
Acq: 30 Mar 2021 00:03

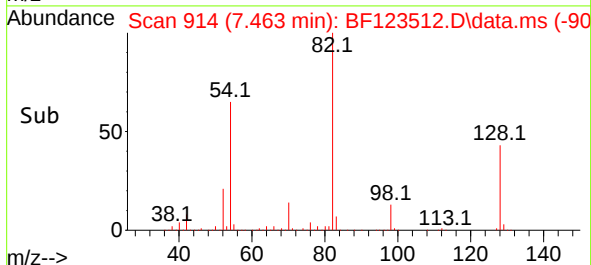
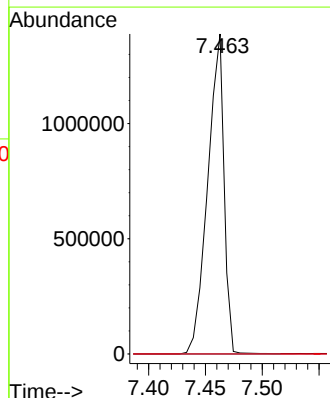
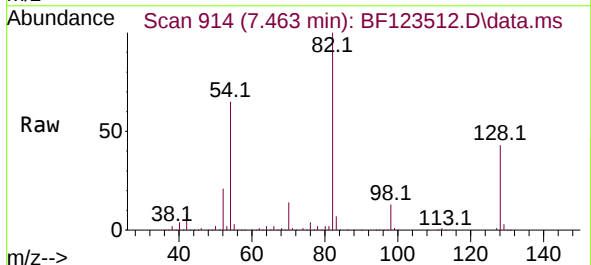
Instrument :
BNA_F
ClientSampleId :
1-3-DRUM

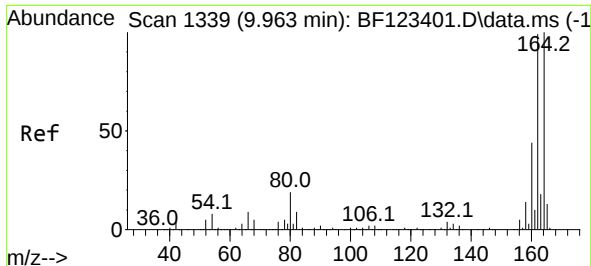
Tgt Ion: 82 Resp: 1385719
Ion Ratio Lower Upper
82 100
128 42.7 37.0 55.4
54 65.4 38.4 57.6#



#25
Isophorone
Concen: 37.71 ng
RT: 7.463 min Scan# 914
Delta R.T. -0.259 min
Lab File: BF123512.D
Acq: 30 Mar 2021 00:03

Tgt Ion: 82 Resp: 1385687
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.6 21.8#





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.939 min Scan# 1335

Delta R.T. -0.006 min

Lab File: BF123512.D

Acq: 30 Mar 2021 00:03

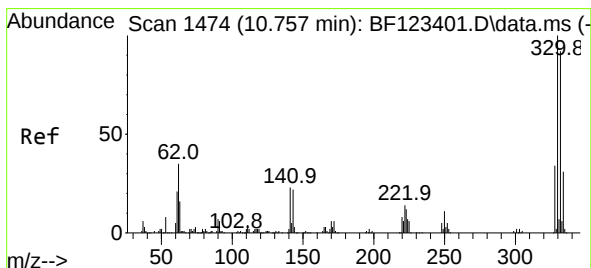
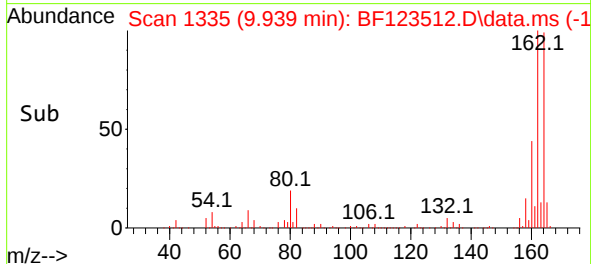
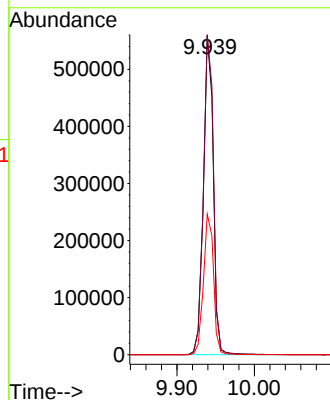
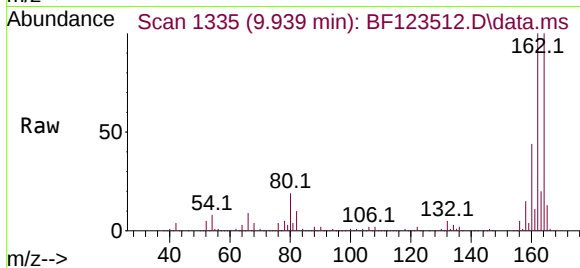
Tgt Ion:164 Resp: 492979

Ion Ratio Lower Upper

164 100

162 100.5 80.8 121.2

160 44.1 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 109.95 ng

RT: 10.733 min Scan# 1470

Delta R.T. -0.006 min

Lab File: BF123512.D

Acq: 30 Mar 2021 00:03

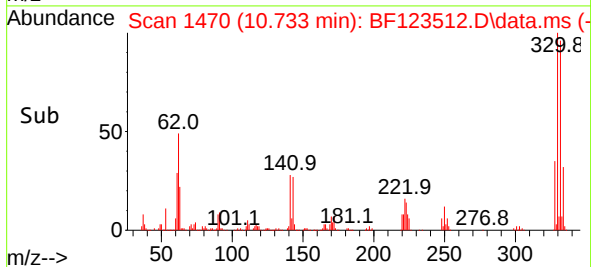
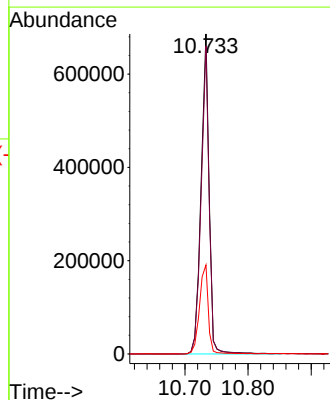
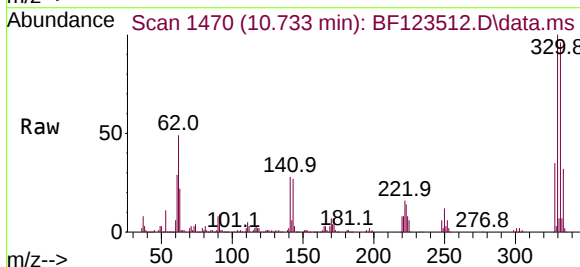
Tgt Ion:330 Resp: 605958

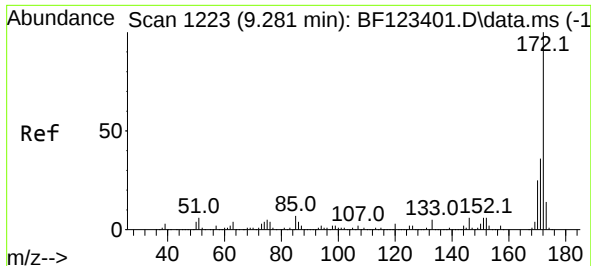
Ion Ratio Lower Upper

330 100

332 95.3 77.5 116.3

141 30.5 23.8 35.8

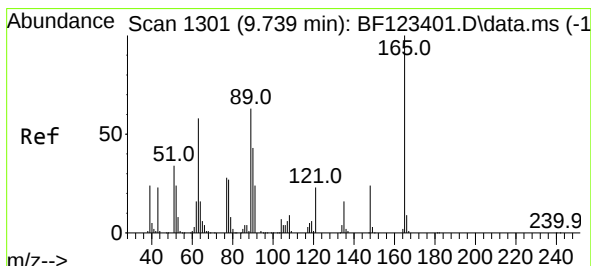
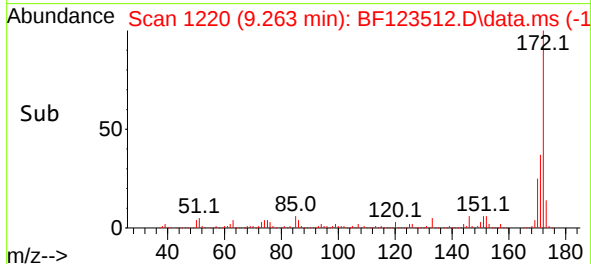
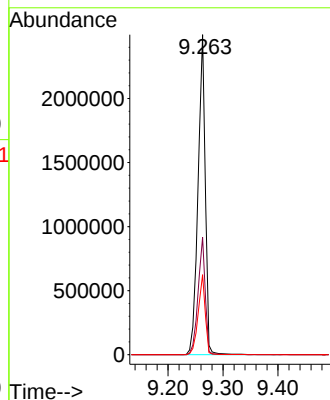
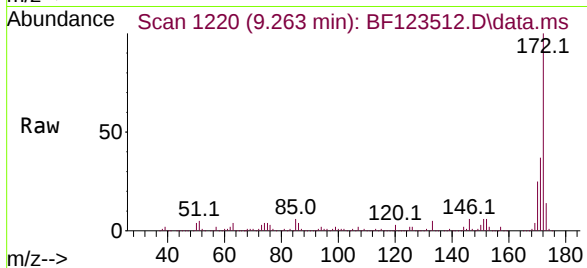




#45
2-Fluorobiphenyl
Concen: 66.66 ng
RT: 9.263 min Scan# 1220
Delta R.T. -0.000 min
Lab File: BF123512.D
Acq: 30 Mar 2021 00:03

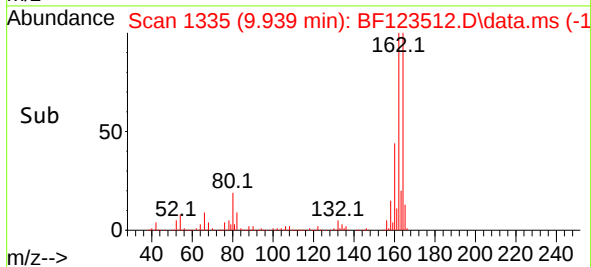
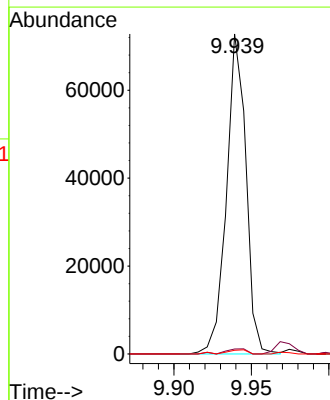
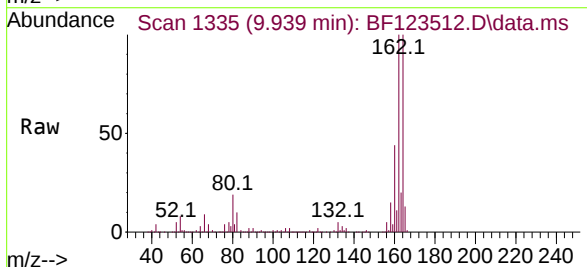
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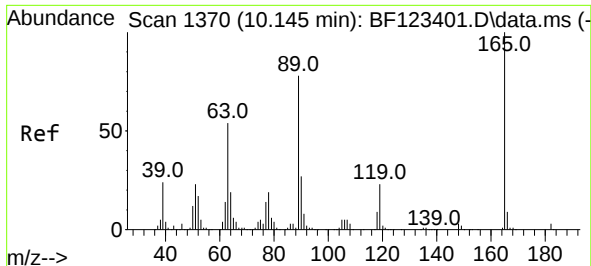
Tgt Ion:172 Resp: 2300097
Ion Ratio Lower Upper
172 100
171 36.7 29.6 44.4
170 25.0 19.5 29.3



#51
2,6-Dinitrotoluene
Concen: 8.69 ng
RT: 9.939 min Scan# 1335
Delta R.T. 0.212 min
Lab File: BF123512.D
Acq: 30 Mar 2021 00:03

Tgt Ion:165 Resp: 63558
Ion Ratio Lower Upper
165 100
63 1.6 36.6 55.0#
89 1.1 39.4 59.0#

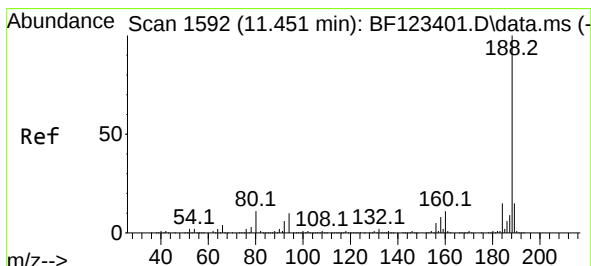
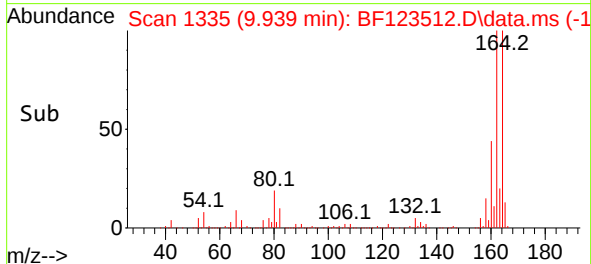
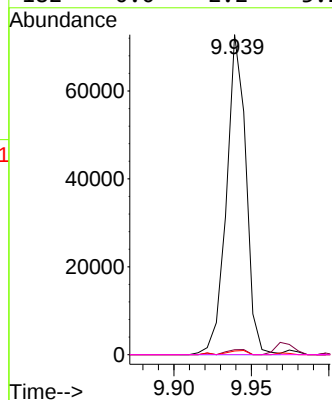
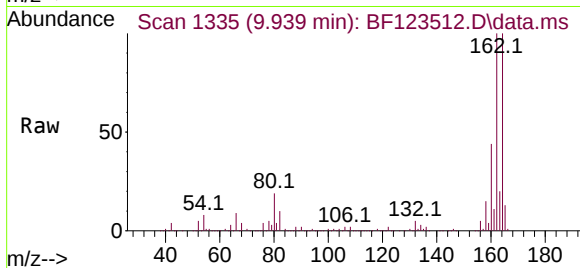




#57
2,4-Dinitrotoluene
Concen: 6.96 ng
RT: 9.939 min Scan# 1335
Delta R.T. -0.188 min
Lab File: BF123512.D
Acq: 30 Mar 2021 00:03

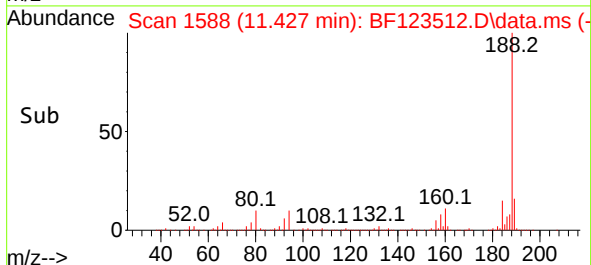
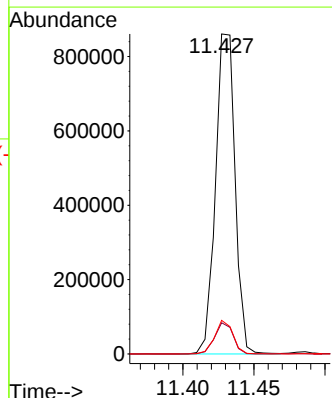
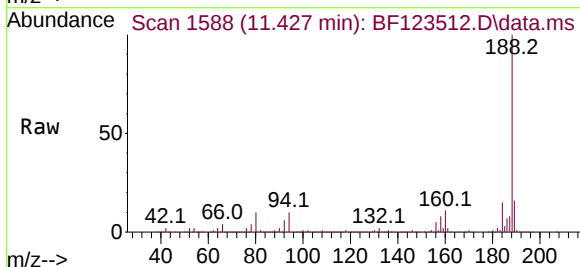
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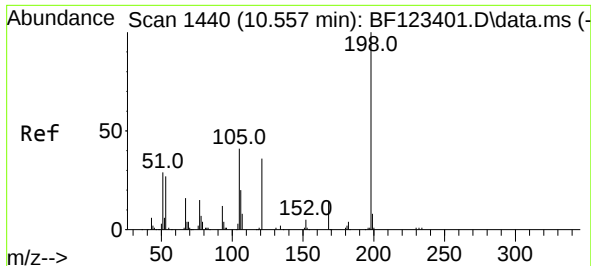
Tgt Ion:	165	Resp:	63558
Ion Ratio	Lower	Upper	
165	100		
63	1.6	34.3	51.5#
89	1.1	55.2	82.8#
182	0.0	2.2	3.2#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF123512.D
Acq: 30 Mar 2021 00:03

Tgt Ion:	188	Resp:	827050
Ion Ratio	Lower	Upper	
188	100		
94	9.7	7.4	11.2
80	10.5	8.2	12.4

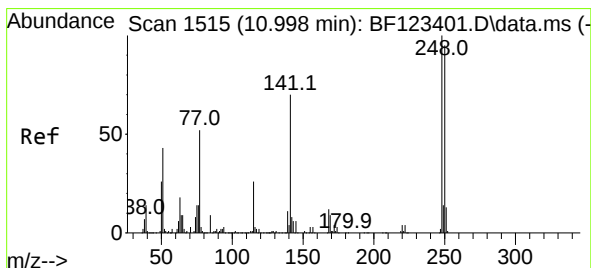
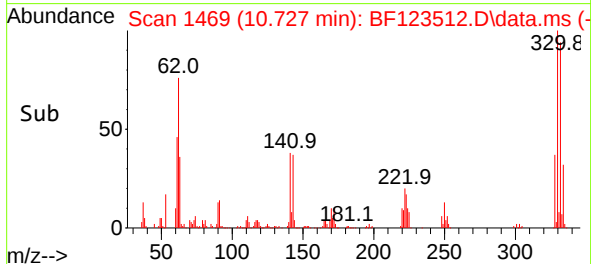
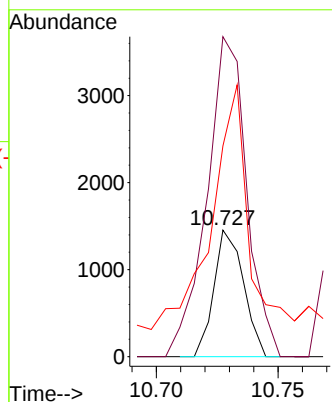
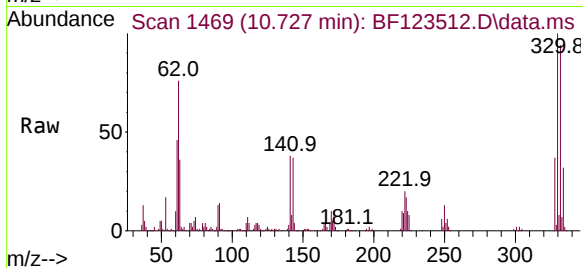




#65
4,6-Dinitro-2-methylphenol
Concen: 5.37 ng
RT: 10.727 min Scan# 1469
Delta R.T. 0.188 min
Lab File: BF123512.D
Acq: 30 Mar 2021 00:03

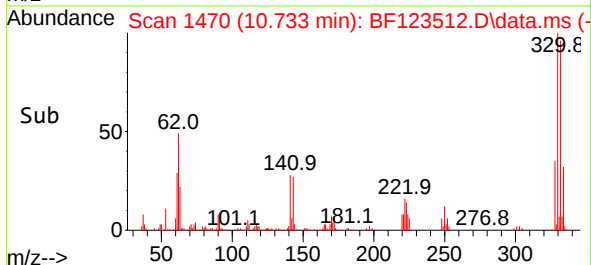
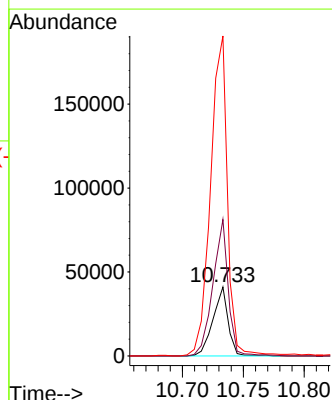
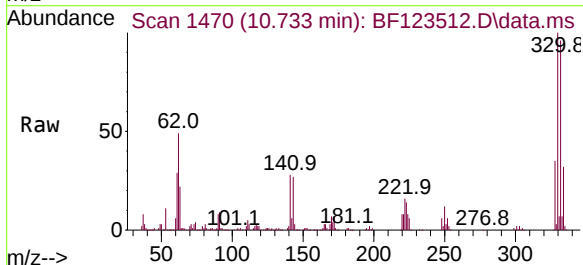
Instrument :
BNA_F
ClientSampled :
1-3-DRUM

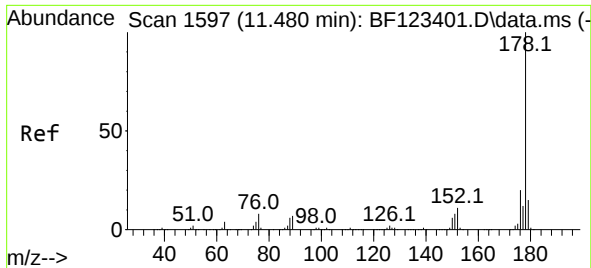
Tgt Ion:198 Resp: 1230
Ion Ratio Lower Upper
198 100
51 252.7 20.3 60.3#
105 166.4 23.0 63.0#



#67
4-Bromophenyl-phenylether
Concen: 3.63 ng
RT: 10.733 min Scan# 1470
Delta R.T. -0.247 min
Lab File: BF123512.D
Acq: 30 Mar 2021 00:03

Tgt Ion:248 Resp: 35564
Ion Ratio Lower Upper
248 100
250 198.1 76.8 115.2#
141 464.4 59.8 89.8#

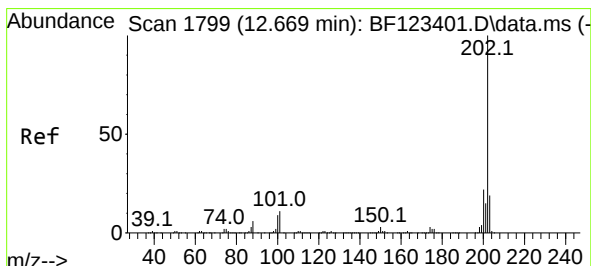
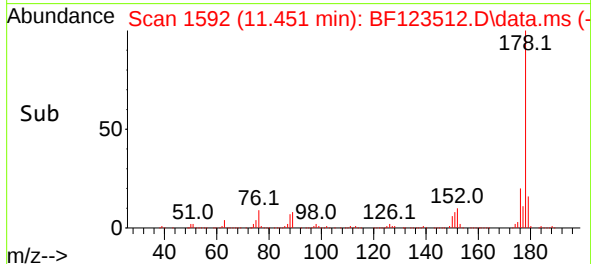
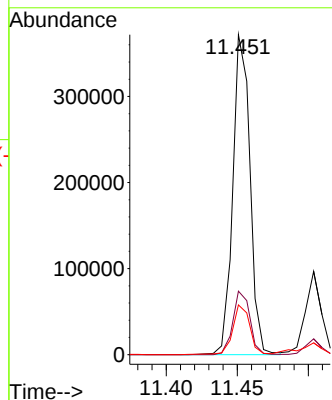
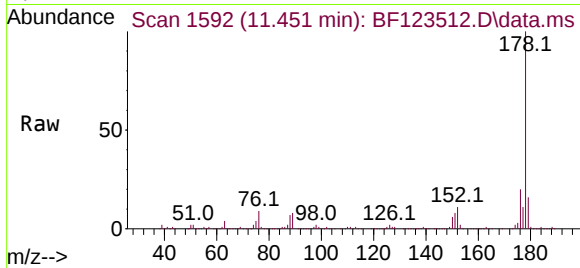




#71
Phenanthrene
Concen: 6.86 ng
RT: 11.451 min Scan# 1592
Delta R.T. -0.012 min
Lab File: BF123512.D
Acq: 30 Mar 2021 00:03

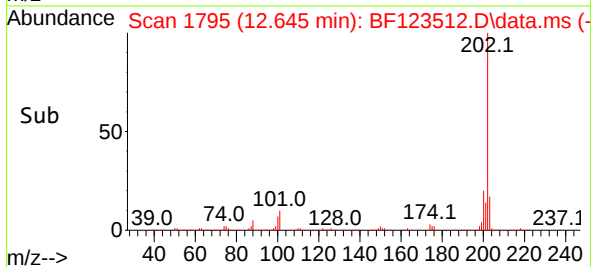
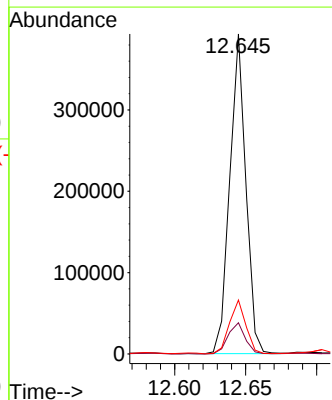
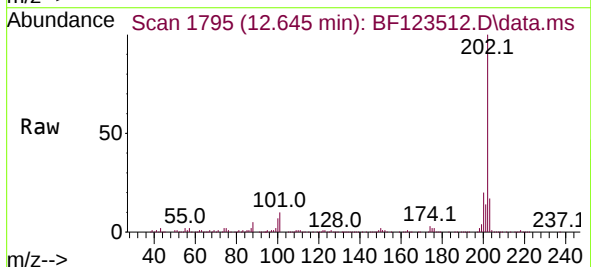
Instrument :
BNA_F
ClientSampleId :
1-3-DRUM

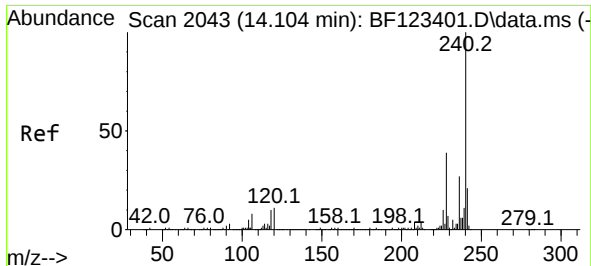
Tgt Ion:178 Resp: 313734
Ion Ratio Lower Upper
178 100
176 19.8 16.2 24.2
179 15.6 12.7 19.1



#75
Fluoranthene
Concen: 6.24 ng
RT: 12.645 min Scan# 1795
Delta R.T. -0.006 min
Lab File: BF123512.D
Acq: 30 Mar 2021 00:03

Tgt Ion:202 Resp: 309030
Ion Ratio Lower Upper
202 100
101 9.8 0.0 32.2
203 16.9 0.0 38.1

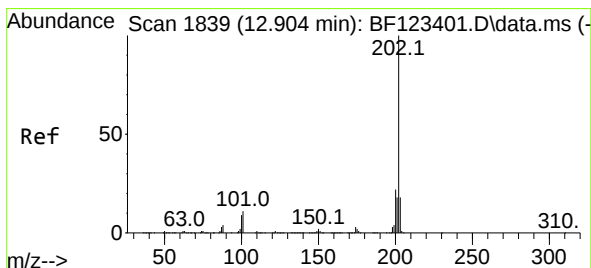
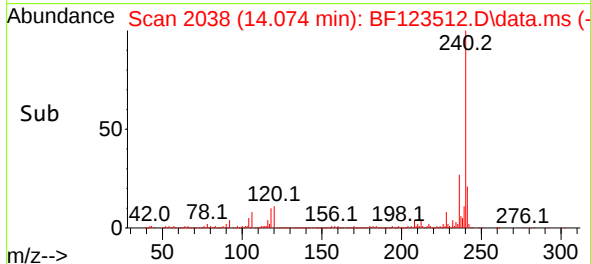
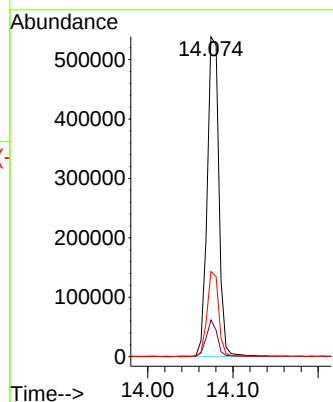
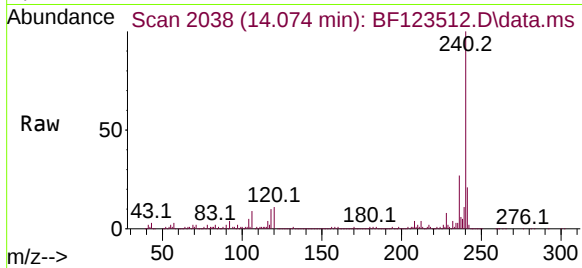




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.012 min
Lab File: BF123512.D
Acq: 30 Mar 2021 00:03

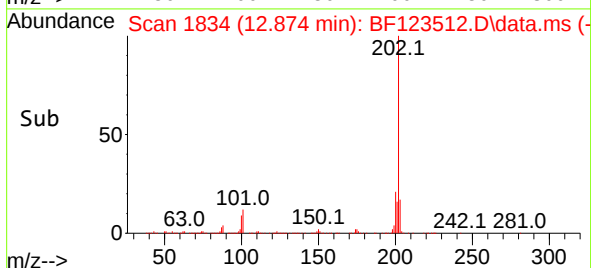
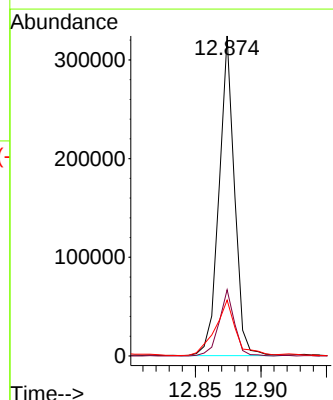
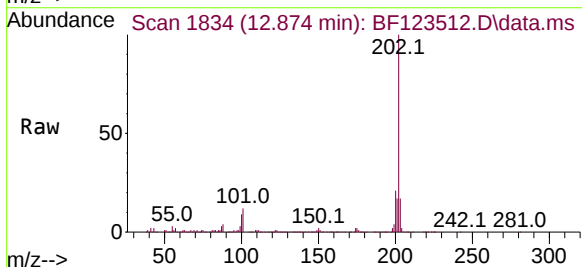
Instrument :
BNA_F
ClientSampleId :
1-3-DRUM

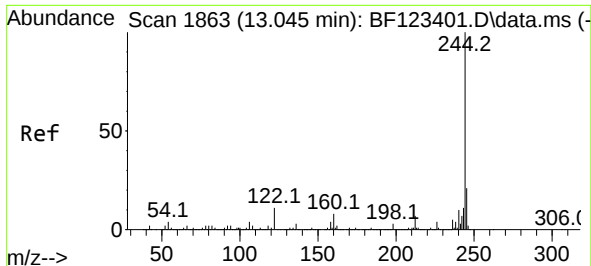
Tgt Ion:240 Resp: 513336
Ion Ratio Lower Upper
240 100
120 11.4 8.6 12.8
236 26.6 20.3 30.5



#78
Pyrene
Concen: 5.97 ng
RT: 12.874 min Scan# 1834
Delta R.T. -0.012 min
Lab File: BF123512.D
Acq: 30 Mar 2021 00:03

Tgt Ion:202 Resp: 264459
Ion Ratio Lower Upper
202 100
200 20.7 17.6 26.4
203 17.4 14.6 21.8

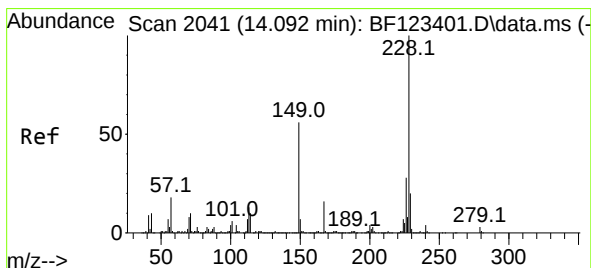
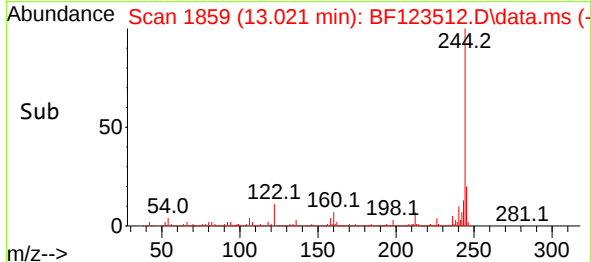
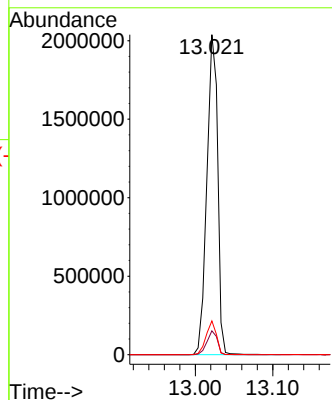
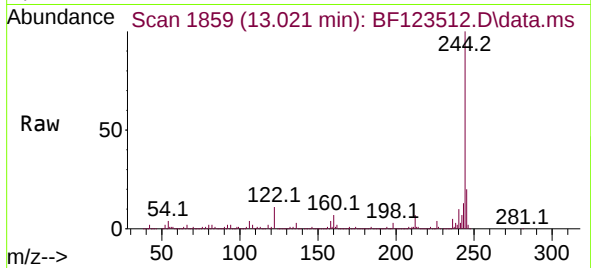




#79
Terphenyl-d14
Concen: 65.27 ng
RT: 13.021 min Scan# 1859
Delta R.T. -0.006 min
Lab File: BF123512.D
Acq: 30 Mar 2021 00:03

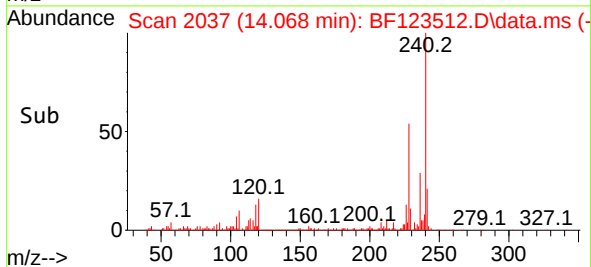
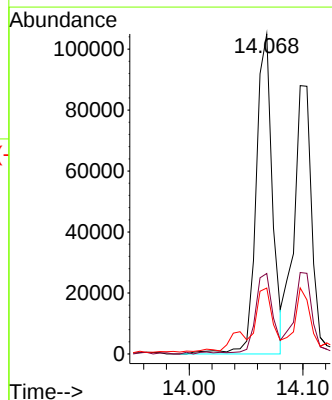
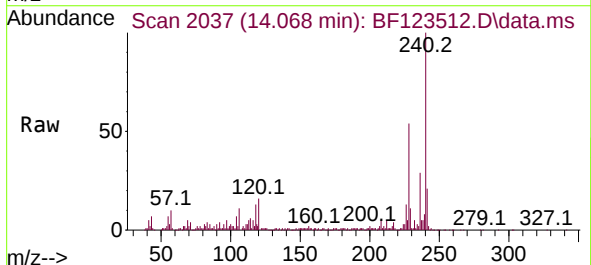
Instrument :
BNA_F
ClientSampleId :
1-3-DRUM

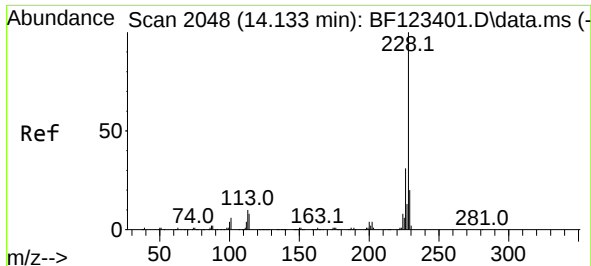
Tgt Ion:244 Resp: 1976868
Ion Ratio Lower Upper
244 100
212 7.5 5.7 8.5
122 10.5 8.3 12.5



#81
Benzo(a)anthracene
Concen: 3.11 ng
RT: 14.068 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF123512.D
Acq: 30 Mar 2021 00:03

Tgt Ion:228 Resp: 104432
Ion Ratio Lower Upper
228 100
226 25.2 23.0 34.4
229 20.6 16.6 24.8

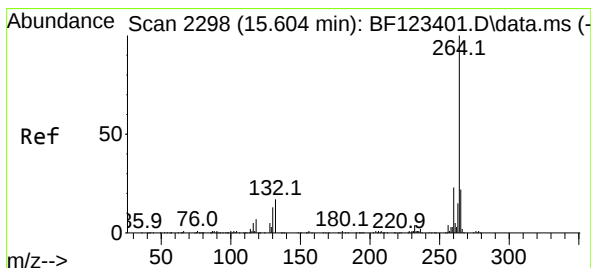
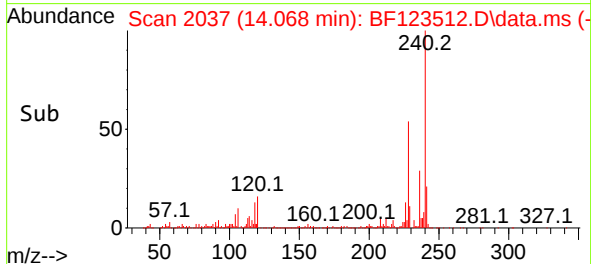
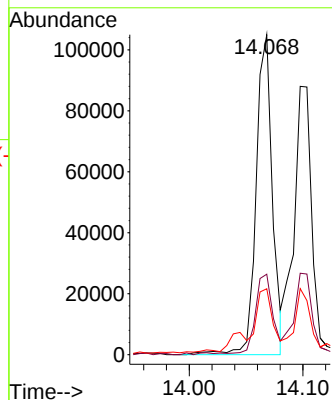
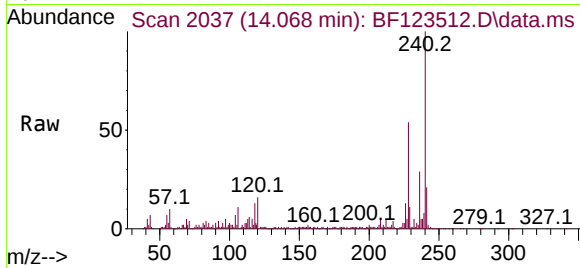




#83
Chrysene
Concen: 3.01 ng
RT: 14.068 min Scan# 2037
Delta R.T. -0.047 min
Lab File: BF123512.D
Acq: 30 Mar 2021 00:03

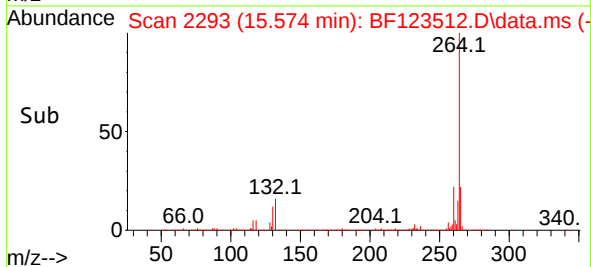
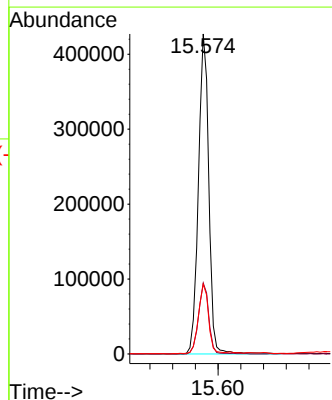
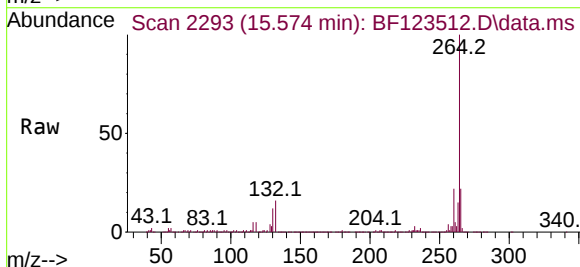
Instrument :
BNA_F
ClientSampleId :
1-3-DRUM

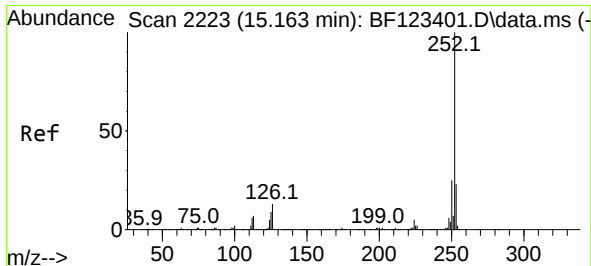
Tgt Ion:228 Resp: 104432
Ion Ratio Lower Upper
228 100
226 25.2 24.6 36.8
229 20.6 15.8 23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.574 min Scan# 2293
Delta R.T. -0.006 min
Lab File: BF123512.D
Acq: 30 Mar 2021 00:03

Tgt Ion:264 Resp: 545363
Ion Ratio Lower Upper
264 100
260 22.2 18.6 28.0
265 21.9 17.0 25.6

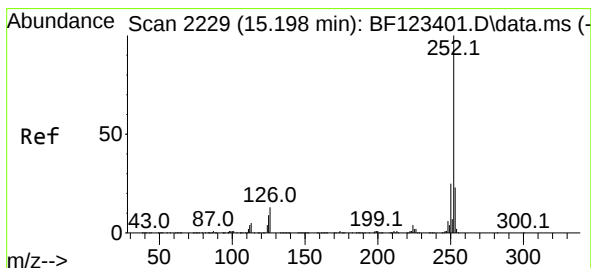
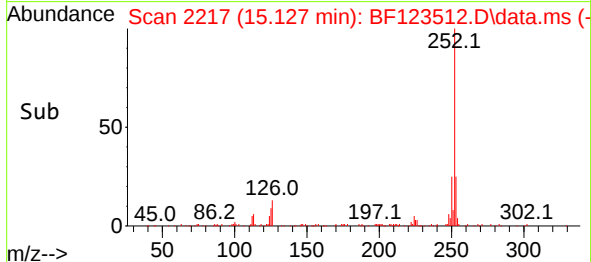
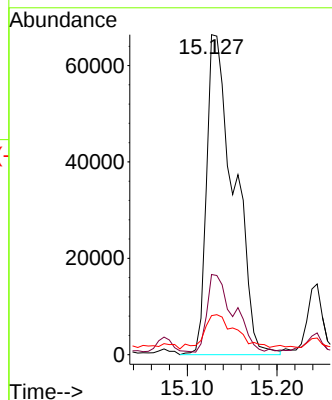
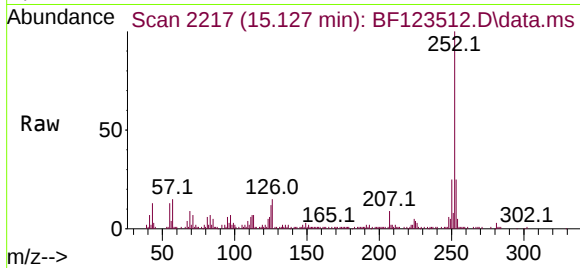




#88
Benzo(b)fluoranthene
Concen: 3.75 ng
RT: 15.127 min Scan# 2217
Delta R.T. -0.018 min
Lab File: BF123512.D
Acq: 30 Mar 2021 00:03

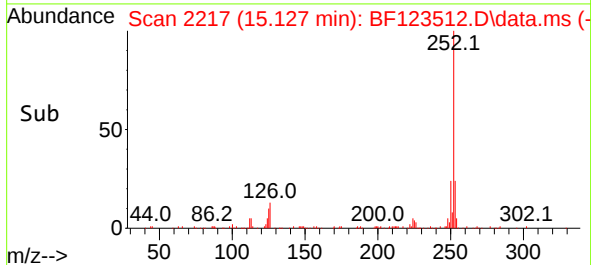
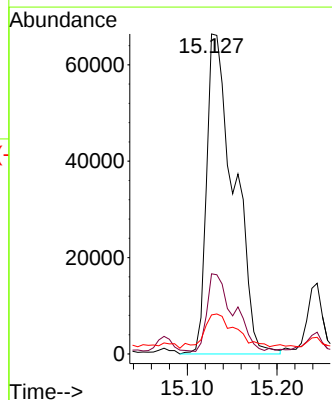
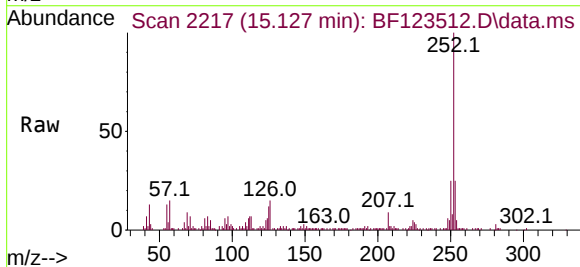
Instrument :
BNA_F
ClientSampleId :
1-3-DRUM

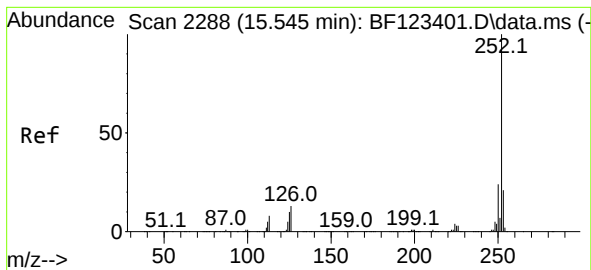
Tgt Ion:252 Resp: 141051
Ion Ratio Lower Upper
252 100
253 25.0 18.3 27.5
125 12.2 8.1 12.1#



#89
Benzo(k)fluoranthene
Concen: 3.97 ng
RT: 15.127 min Scan# 2217
Delta R.T. -0.047 min
Lab File: BF123512.D
Acq: 30 Mar 2021 00:03

Tgt Ion:252 Resp: 141051
Ion Ratio Lower Upper
252 100
253 25.0 17.8 26.8
125 12.2 8.4 12.6





#90
Benzo(a)pyrene
Concen: 2.60 ng
RT: 15.503 min Scan# 2281
Delta R.T. -0.018 min
Lab File: BF123512.D
Acq: 30 Mar 2021 00:03

Instrument :
BNA_F
ClientSampleId :
1-3-DRUM

Tgt Ion:252 Resp: 84434
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 12.9 8.6 12.8#

