

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030121\
 Data File : BF123329.D
 Acq On : 1 Mar 2021 16:35
 Operator : JU/CG
 Sample : M1499-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 N-1

Quant Time: Mar 01 17:00:35 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF021921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 19 16:08:53 2021
 Response via : Initial Calibration

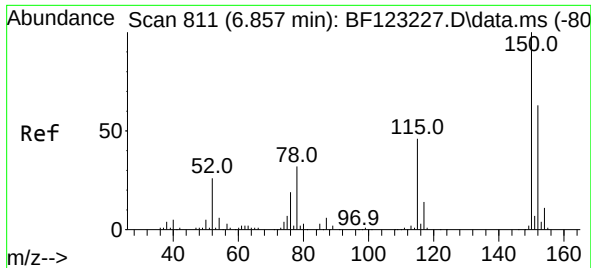
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	251772	20.00	ng	# 0.00
21) Naphthalene-d8	8.134	136	1019337	20.00	ng	#-0.01
39) Acenaphthene-d10	9.892	164	495821	20.00	ng	-0.01
64) Phenanthrene-d10	11.386	188	820688	20.00	ng	0.00
76) Chrysene-d12	14.039	240	552430	20.00	ng	0.00
86) Perylene-d12	15.515	264	537374	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1523289	87.09	ng	0.03
7) Phenol-d6	6.492	99	1969535	82.88	ng	0.00
23) Nitrobenzene-d5	7.416	82	1346209	60.46	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	420173	83.22	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	2041859	59.15	ng	0.00
79) Terphenyl-d14	12.980	244	1675484	58.32	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.410	77	730	Below Cal	#	80
10) Phenol	6.504	94	52468	2.03	ng	98
19) n-Nitroso-di-n-propyla...	7.416	70	186836	13.22	ng	# 80
25) Isophorone	7.416	82	1328412	31.90	ng	# 65
49) Acenaphthylene	9.751	152	109746	2.23	ng	98
50) Dimethylphthalate	9.604	163	121957	3.29	ng	99
51) 2,6-Dinitrotoluene	9.892	165	65919	7.71	ng	# 32
67) 4-Bromophenyl-phenylether	10.686	248	31517	3.52	ng	# 1
71) Phenanthrene	11.404	178	99420	2.05	ng	97
75) Fluoranthene	12.598	202	139485	2.71	ng	99
78) Pyrene	12.833	202	179417	4.16	ng	96
81) Benzo(a)anthracene	14.063	228	116065	3.09	ng	97
83) Chrysene	14.063	228	116065	3.15	ng	98
87) Indeno(1,2,3-cd)pyrene	16.992	276	85618	2.31	ng	98
88) Benzo(b)fluoranthene	15.080	252	198852	5.27	ng	# 96
89) Benzo(k)fluoranthene	15.080	252	198852	5.81	ng	# 97
90) Benzo(a)pyrene	15.451	252	85193	2.53	ng	# 95
92) Benzo(g,h,i)perylene	17.439	276	86325	2.94	ng	92

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

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF021921.M
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QLast Update : Fri Feb 19 16:08:53 2021
Response via : Initial Calibration

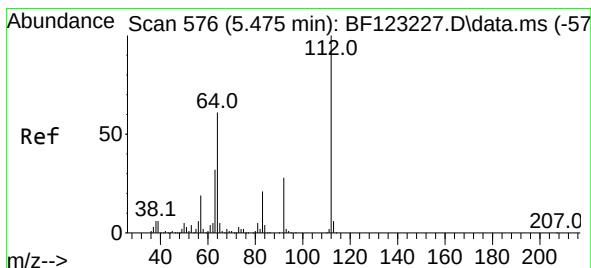
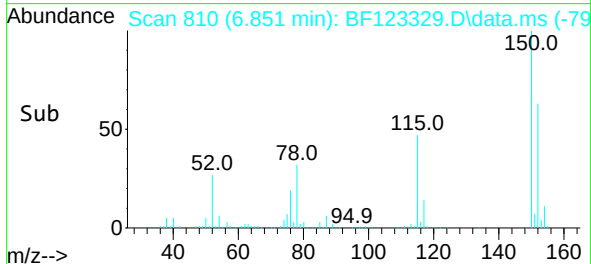
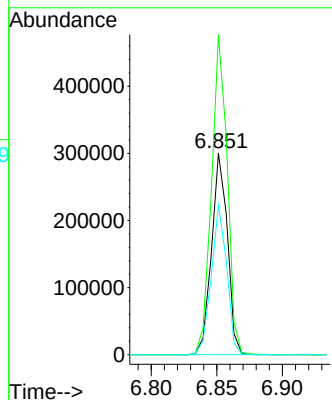
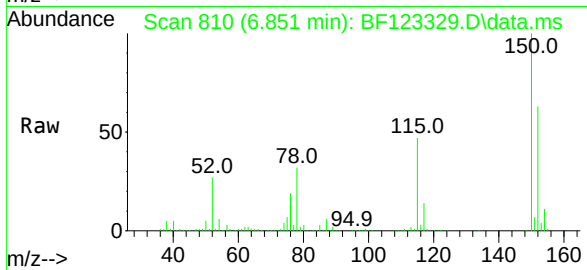




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.851 min Scan# 810
Delta R.T. -0.006 min
Lab File: BF123329.D
Acq: 1 Mar 2021 16:35

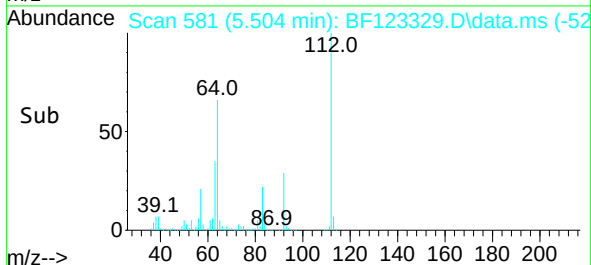
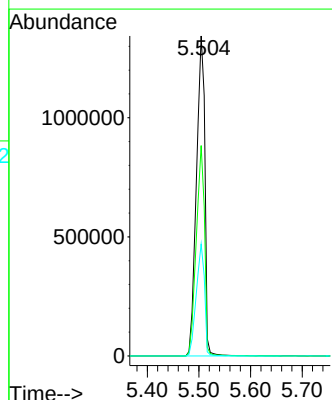
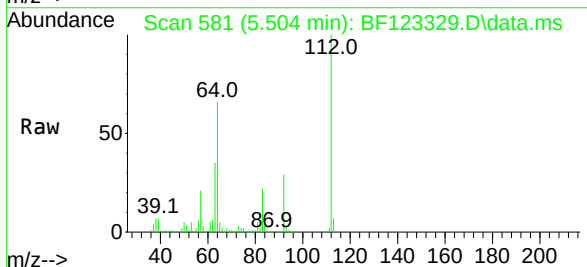
Instrument :
BNA_F
ClientSampleId :
N-1

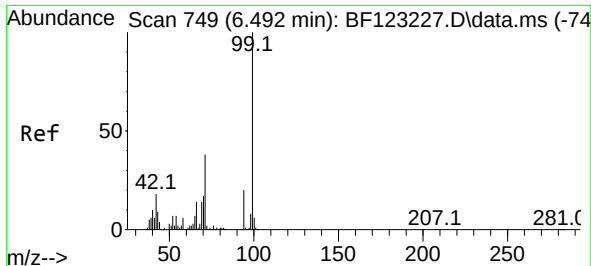
Tgt Ion:152 Resp: 251772
Ion Ratio Lower Upper
152 100
150 158.9 125.8 188.6
115 74.3 49.3 73.9#



#5
2-Fluorophenol
Concen: 87.09 ng
RT: 5.504 min Scan# 581
Delta R.T. 0.029 min
Lab File: BF123329.D
Acq: 1 Mar 2021 16:35

Tgt Ion:112 Resp: 1523289
Ion Ratio Lower Upper
112 100
64 65.8 46.9 70.3
63 35.0 24.5 36.7

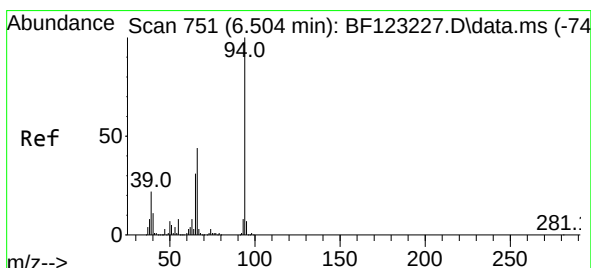
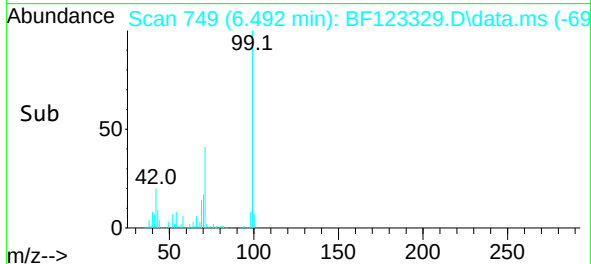
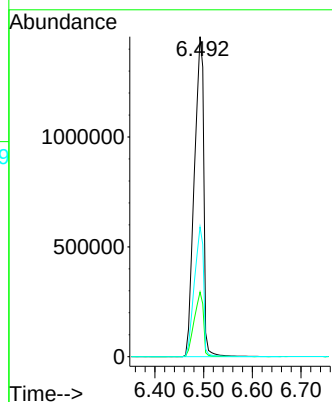
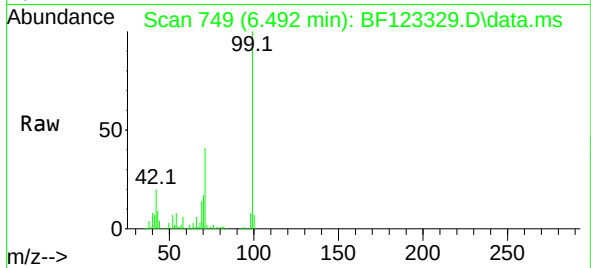




#7
Phenol-d6
Concen: 82.88 ng
RT: 6.492 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF123329.D
Acq: 1 Mar 2021 16:35

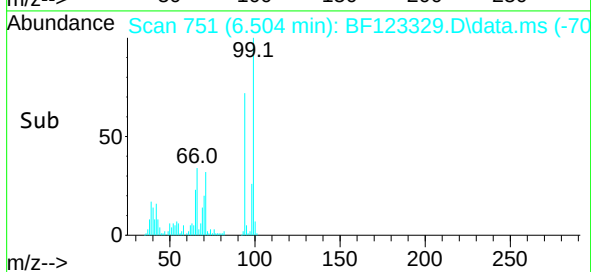
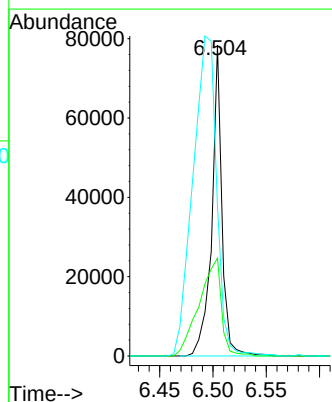
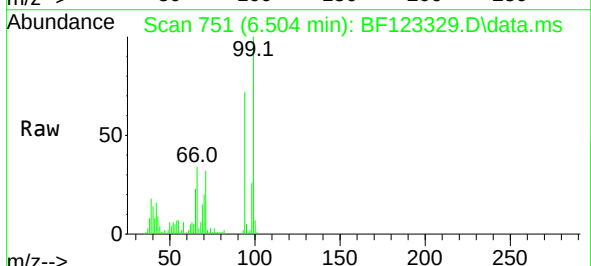
Instrument :
BNA_F
ClientSampleId :
N-1

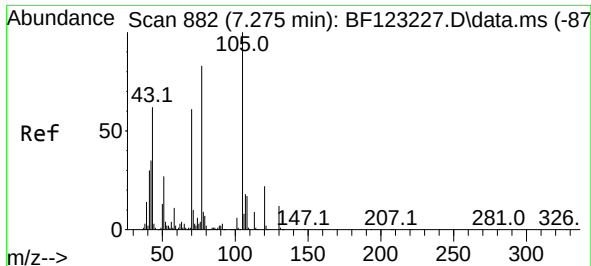
Tgt Ion: 99 Resp: 1969535
Ion Ratio Lower Upper
99 100
42 20.2 13.8 20.6
71 40.5 26.9 40.3#



#10
Phenol
Concen: 2.03 ng
RT: 6.504 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF123329.D
Acq: 1 Mar 2021 16:35

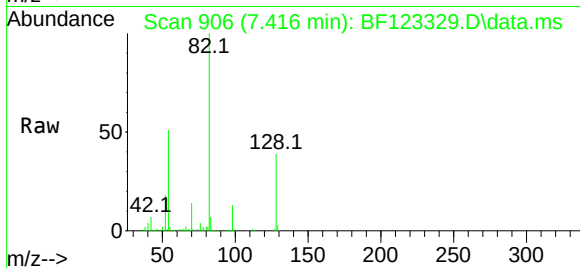
Tgt Ion: 94 Resp: 52468
Ion Ratio Lower Upper
94 100
65 31.5 11.2 51.2
66 48.0 25.8 65.8



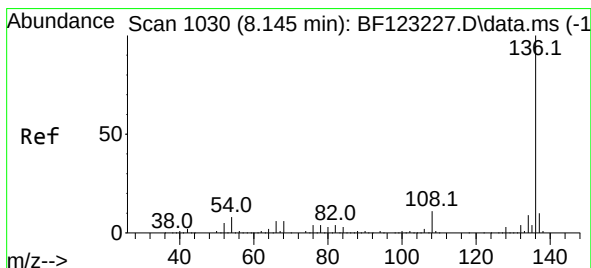
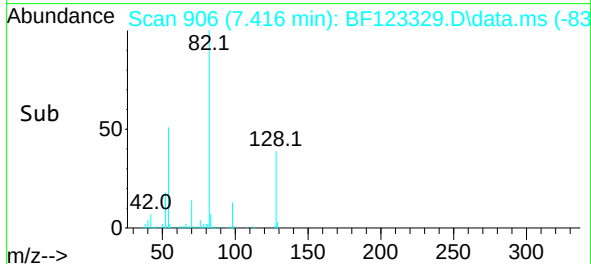
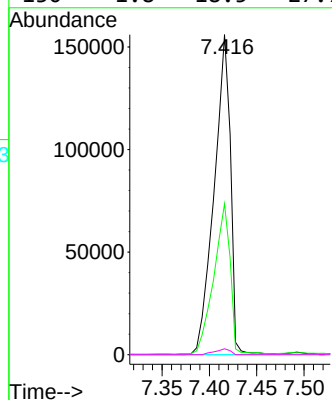


#19
n-Nitroso-di-n-propylamine
Concen: 13.22 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.141 min
Lab File: BF123329.D
Acq: 1 Mar 2021 16:35

Instrument :
BNA_F
ClientSampleId :
N-1

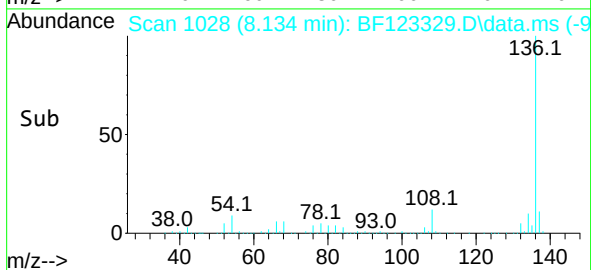
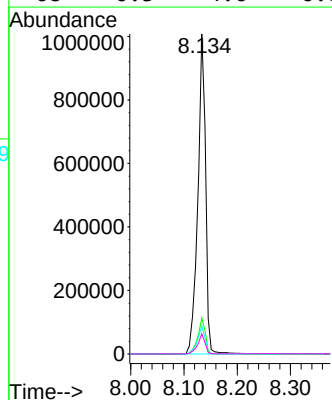
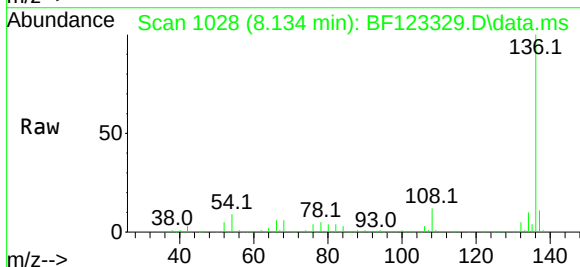


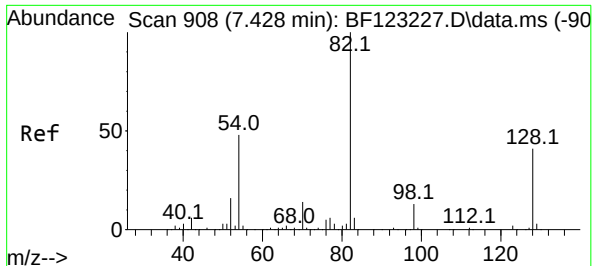
Tgt Ion: 70 Resp: 186836
Ion Ratio Lower Upper
70 100
42 47.2 43.0 64.4
101 0.0 7.9 11.9#
130 1.8 18.5 27.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.134 min Scan# 1028
Delta R.T. -0.012 min
Lab File: BF123329.D
Acq: 1 Mar 2021 16:35

Tgt Ion: 136 Resp: 1019337
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.7 5.5 8.3#
68 6.3 4.6 6.8





#23

Nitrobenzene-d5

Concen: 60.46 ng

RT: 7.416 min Scan# 906

Delta R.T. -0.012 min

Lab File: BF123329.D

Acq: 1 Mar 2021 16:35

Tgt Ion: 82 Resp: 1346209

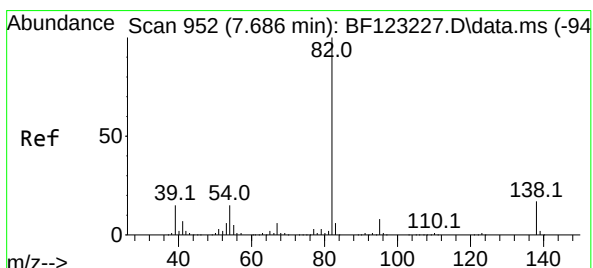
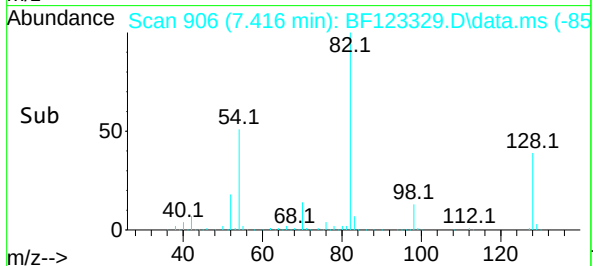
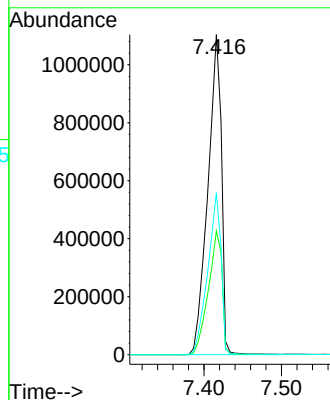
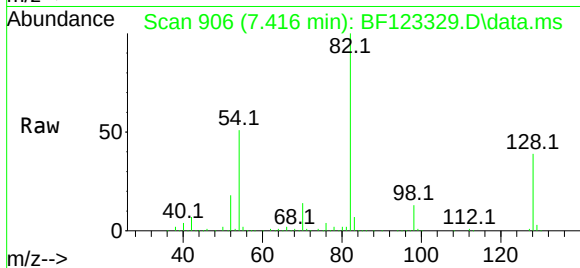
Ion	Ratio	Lower	Upper
82	100		
128	38.7	37.0	55.4
54	50.6	38.4	57.6

Instrument :

BNA_F

ClientSampleId :

N-1



#25

Isophorone

Concen: 31.90 ng

RT: 7.416 min Scan# 906

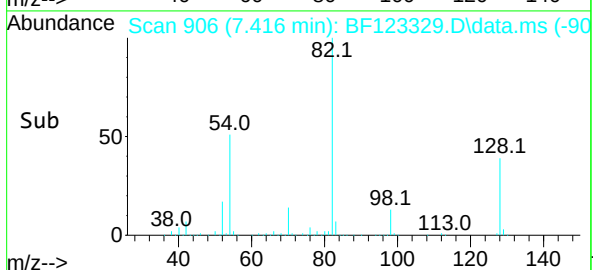
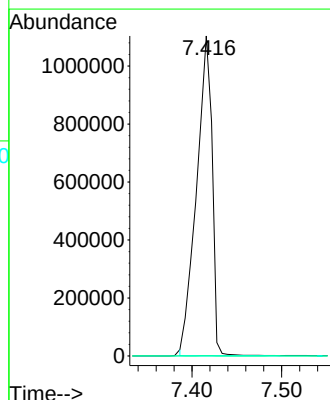
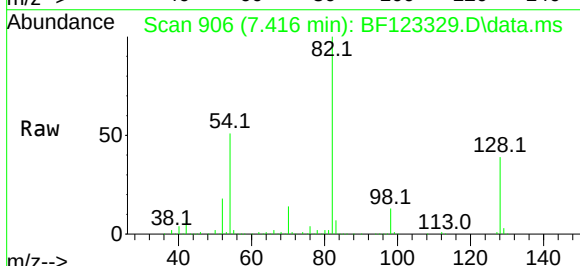
Delta R.T. -0.271 min

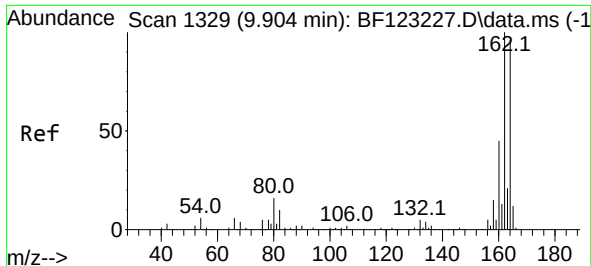
Lab File: BF123329.D

Acq: 1 Mar 2021 16:35

Tgt Ion: 82 Resp: 1328412

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: 9.892 min Scan# 1327

Delta R.T. -0.012 min

Lab File: BF123329.D

Acq: 1 Mar 2021 16:35

Tgt Ion:164 Resp: 495821

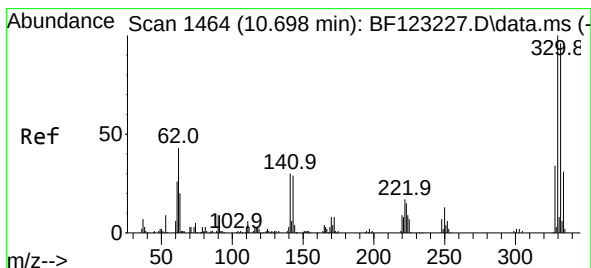
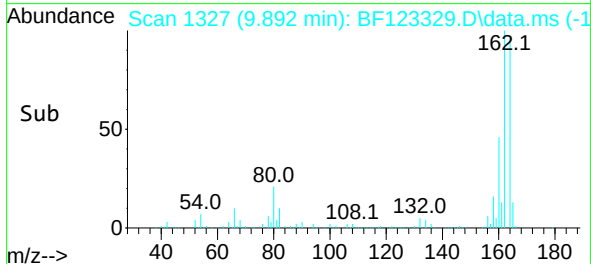
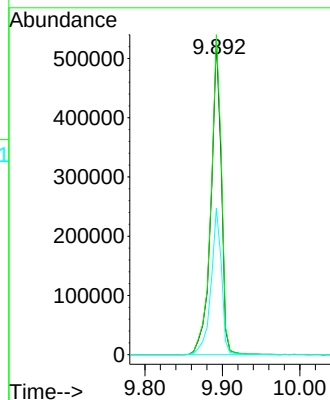
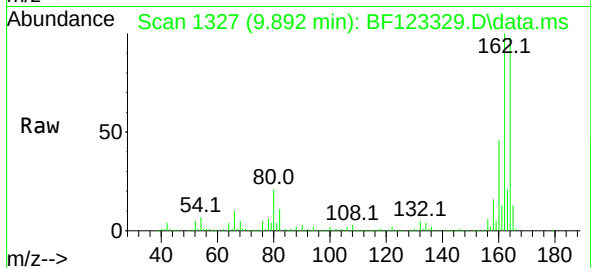
Ion	Ratio	Lower	Upper
164	100		
162	101.6	80.8	121.2
160	46.5	35.4	53.0

Instrument :

BNA_F

ClientSampleId :

N-1



#42

2,4,6-Tribromophenol

Concen: 83.22 ng

RT: 10.686 min Scan# 1462

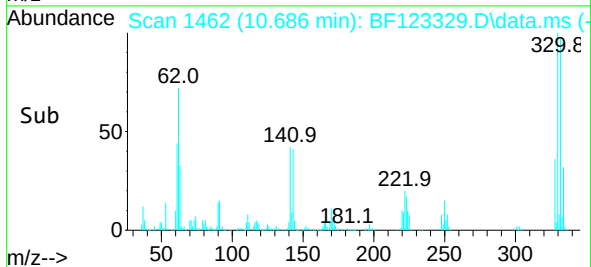
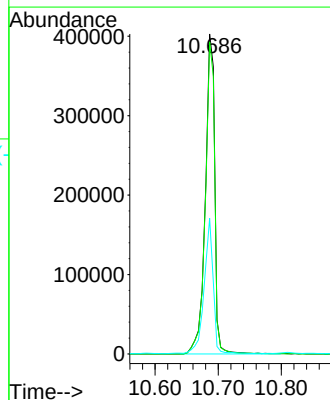
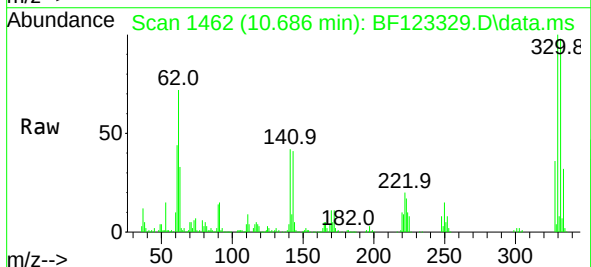
Delta R.T. -0.012 min

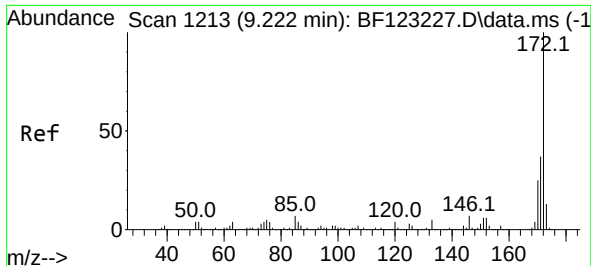
Lab File: BF123329.D

Acq: 1 Mar 2021 16:35

Tgt Ion:330 Resp: 420173

Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.5	116.3
141	40.5	23.8	35.8



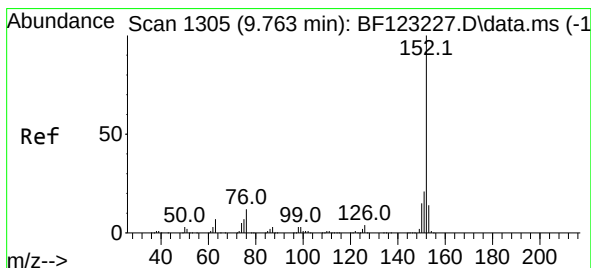
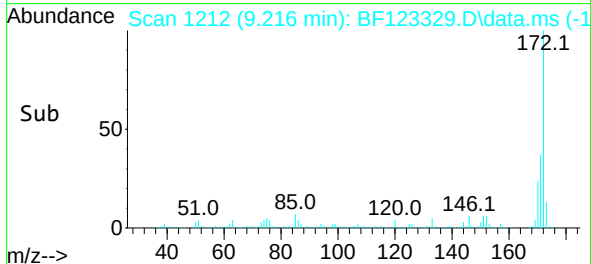
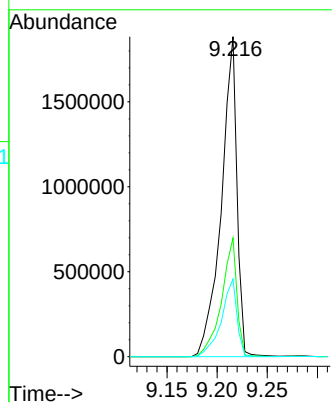
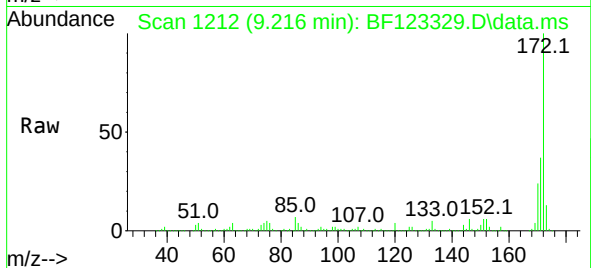


#45
2-Fluorobiphenyl
Concen: 59.15 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF123329.D
Acq: 1 Mar 2021 16:35

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:172 Resp: 2041859

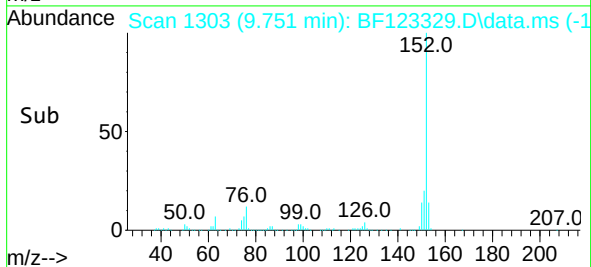
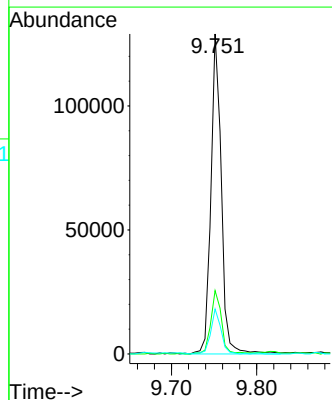
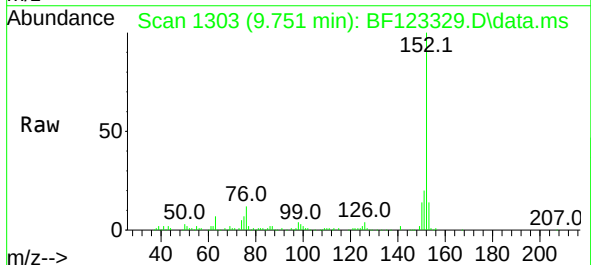
Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.6	44.4
170	24.2	19.5	29.3

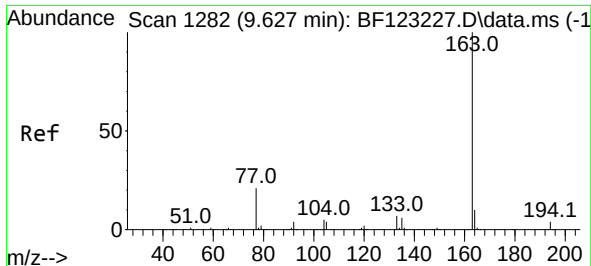


#49
Acenaphthylene
Concen: 2.23 ng
RT: 9.751 min Scan# 1303
Delta R.T. -0.012 min
Lab File: BF123329.D
Acq: 1 Mar 2021 16:35

Tgt Ion:152 Resp: 109746

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.6	25.0
153	14.1	10.9	16.3

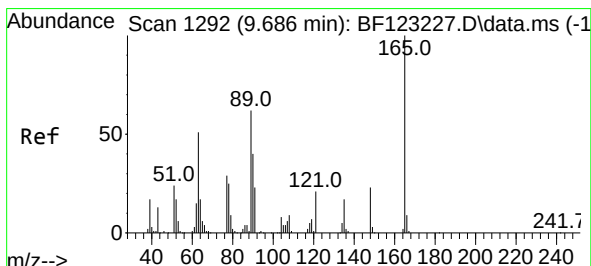
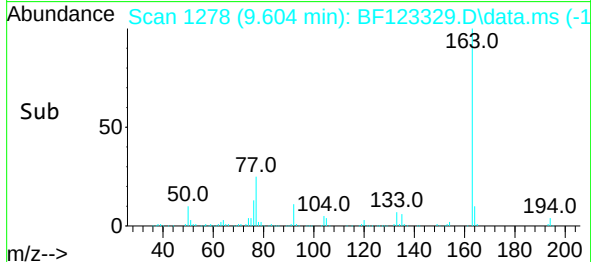
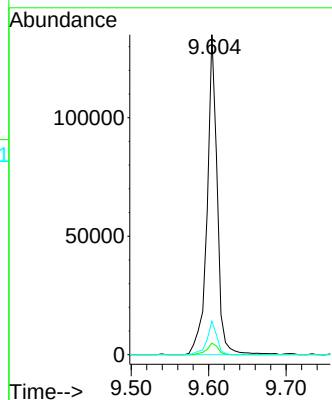
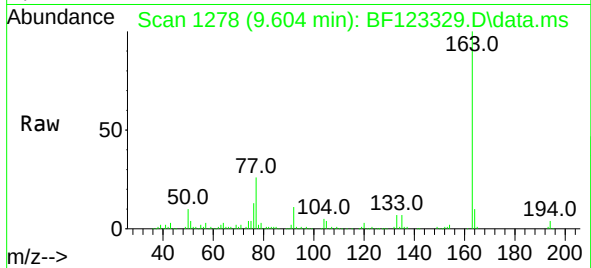




#50
Dimethylphthalate
Concen: 3.29 ng
RT: 9.604 min Scan# 1278
Delta R.T. -0.023 min
Lab File: BF123329.D
Acq: 1 Mar 2021 16:35

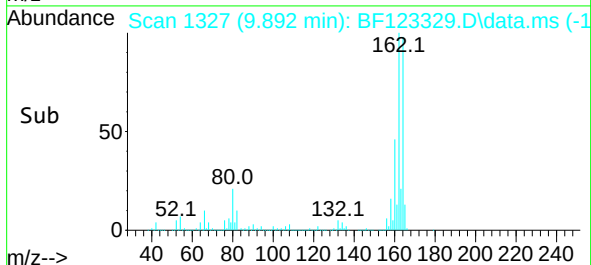
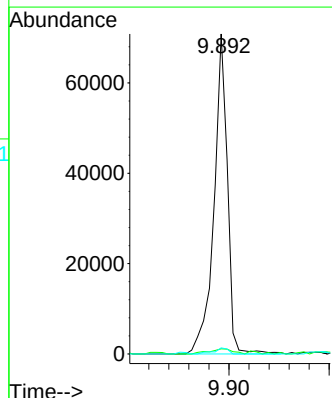
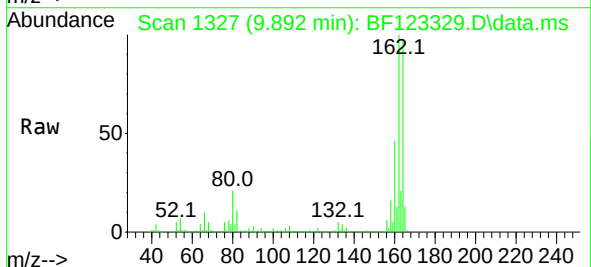
Instrument :
BNA_F
ClientSampleId :
N-1

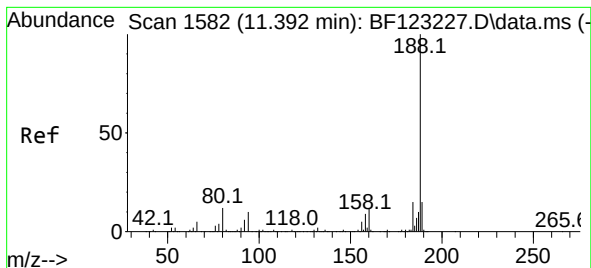
Tgt Ion:163 Resp: 121957
Ion Ratio Lower Upper
163 100
194 3.6 3.4 5.0
164 10.5 8.1 12.1



#51
2,6-Dinitrotoluene
Concen: 7.71 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.206 min
Lab File: BF123329.D
Acq: 1 Mar 2021 16:35

Tgt Ion:165 Resp: 65919
Ion Ratio Lower Upper
165 100
63 1.6 36.6 55.0#
89 1.9 39.4 59.0#

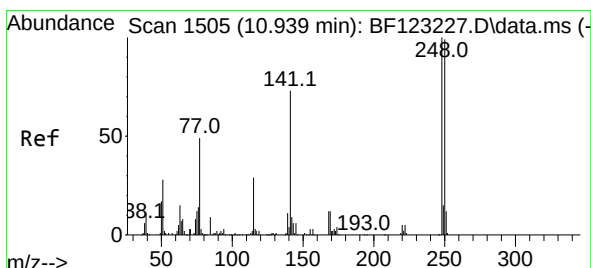
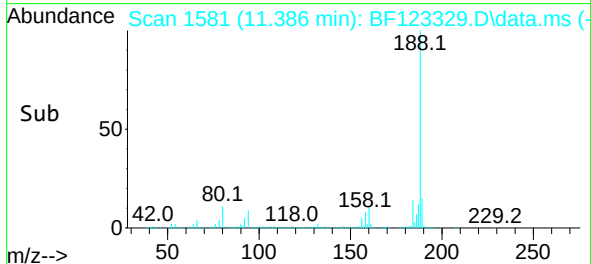
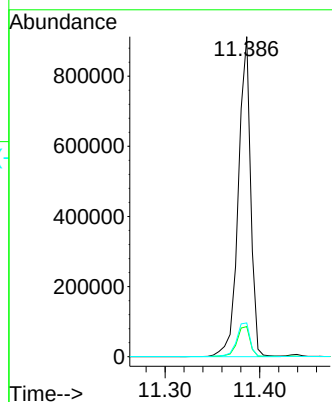
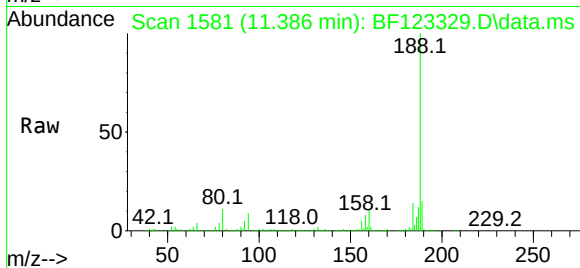




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF123329.D
Acq: 1 Mar 2021 16:35

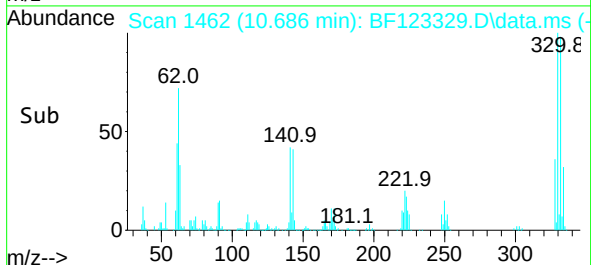
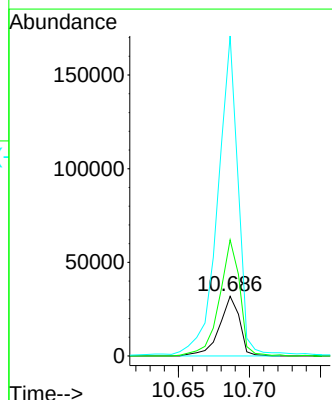
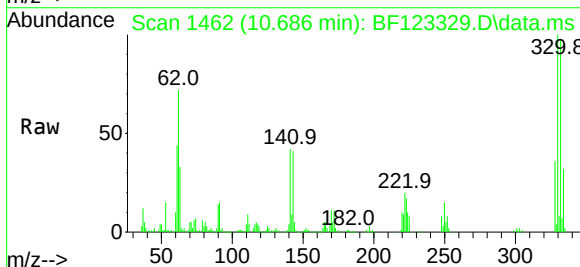
Instrument :
BNA_F
ClientSampleId :
N-1

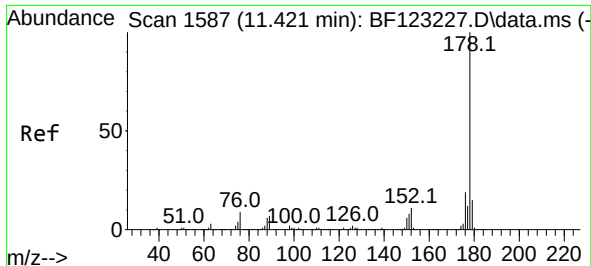
Tgt Ion:188 Resp: 820688
Ion Ratio Lower Upper
188 100
94 9.4 7.4 11.2
80 10.6 8.2 12.4



#67
4-Bromophenyl-phenylether
Concen: 3.52 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.253 min
Lab File: BF123329.D
Acq: 1 Mar 2021 16:35

Tgt Ion:248 Resp: 31517
Ion Ratio Lower Upper
248 100
250 194.7 76.8 115.2#
141 536.4 59.8 89.8#

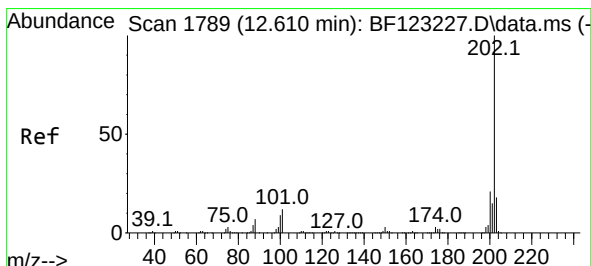
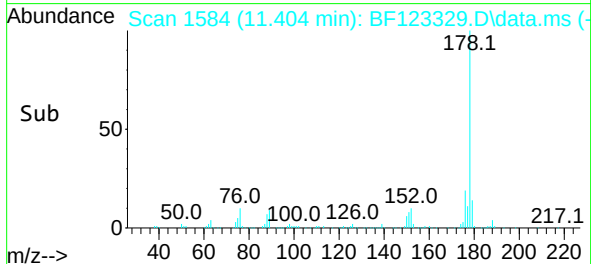
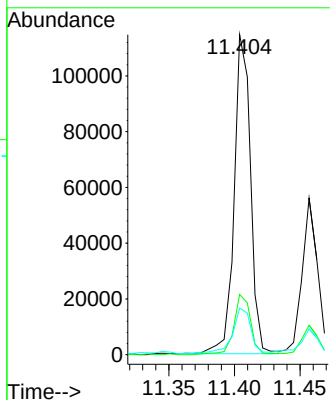
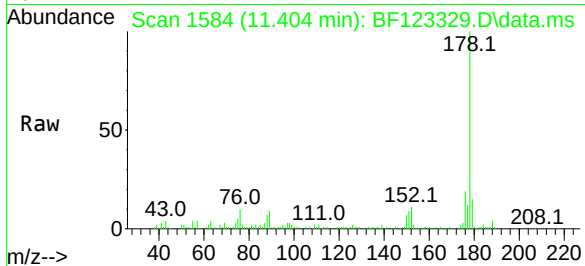




#71
Phenanthrene
Concen: 2.05 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.018 min
Lab File: BF123329.D
Acq: 1 Mar 2021 16:35

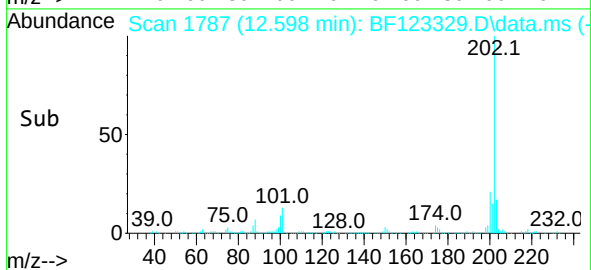
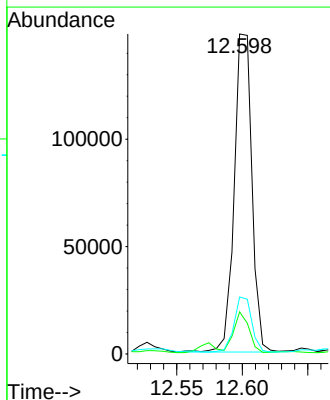
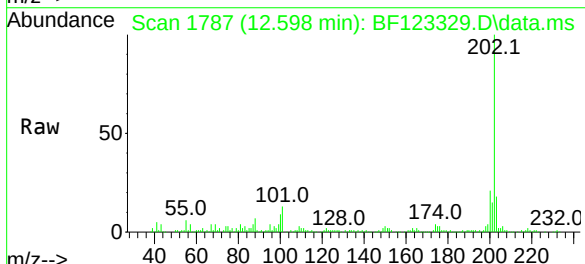
Instrument :
BNA_F
ClientSampled :
N-1

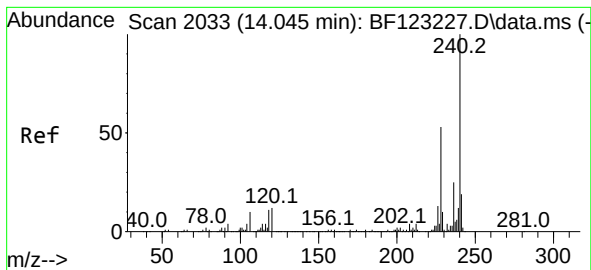
Tgt Ion:178 Resp: 99420
Ion Ratio Lower Upper
178 100
176 18.8 16.2 24.2
179 14.6 12.7 19.1



#75
Fluoranthene
Concen: 2.71 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.012 min
Lab File: BF123329.D
Acq: 1 Mar 2021 16:35

Tgt Ion:202 Resp: 139485
Ion Ratio Lower Upper
202 100
101 13.1 0.0 32.2
203 17.8 0.0 38.1

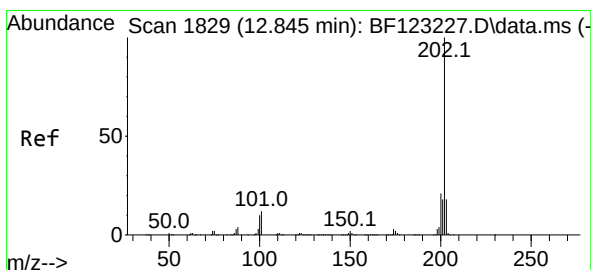
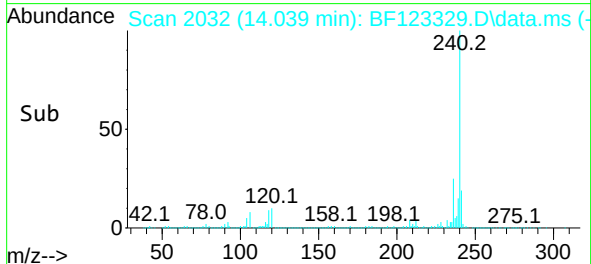
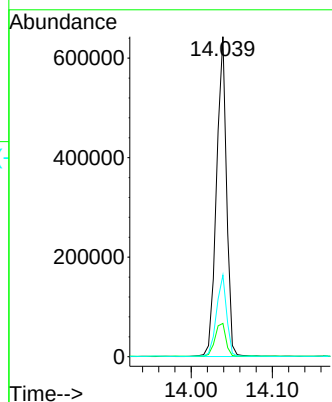
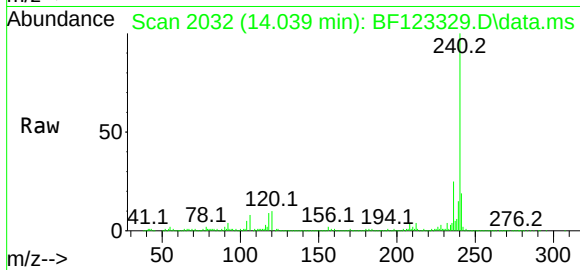




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF123329.D
Acq: 1 Mar 2021 16:35

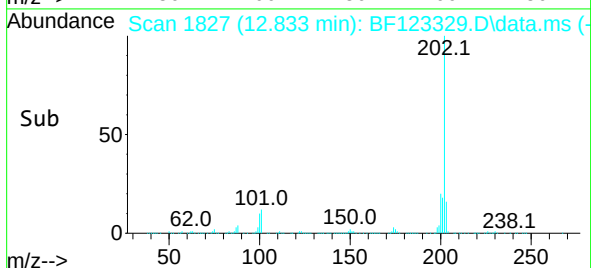
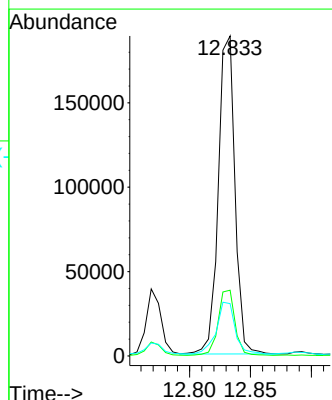
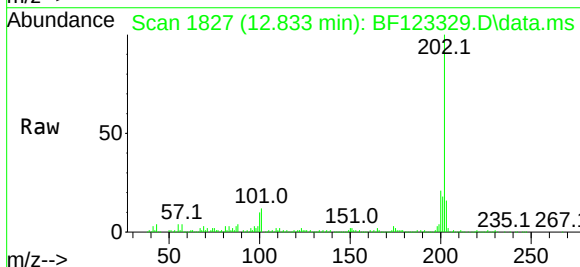
Instrument :
BNA_F
ClientSampleId :
N-1

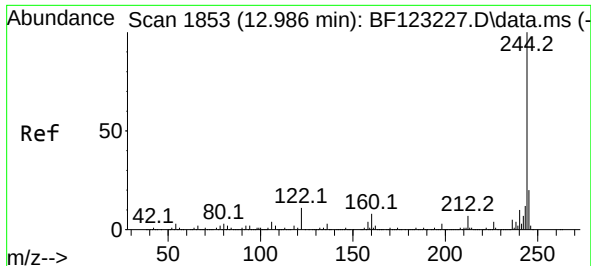
Tgt Ion:240 Resp: 552430
Ion Ratio Lower Upper
240 100
120 10.4 8.6 12.8
236 25.5 20.3 30.5



#78
Pyrene
Concen: 4.16 ng
RT: 12.833 min Scan# 1827
Delta R.T. -0.012 min
Lab File: BF123329.D
Acq: 1 Mar 2021 16:35

Tgt Ion:202 Resp: 179417
Ion Ratio Lower Upper
202 100
200 20.6 17.6 26.4
203 16.3 14.6 21.8

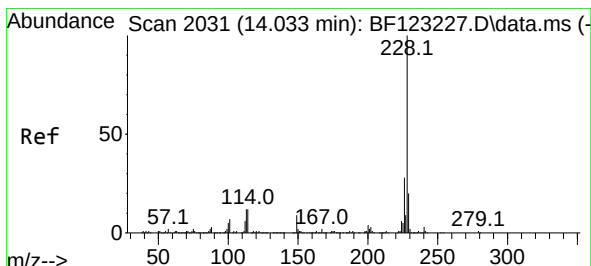
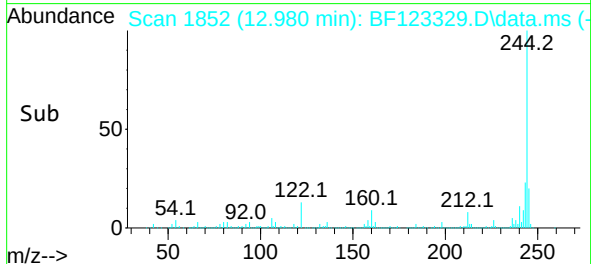
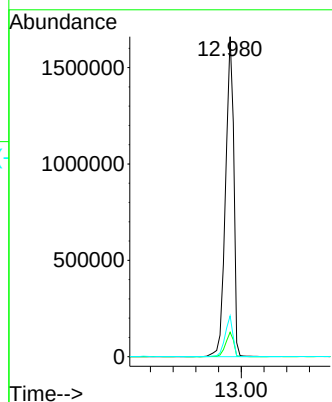
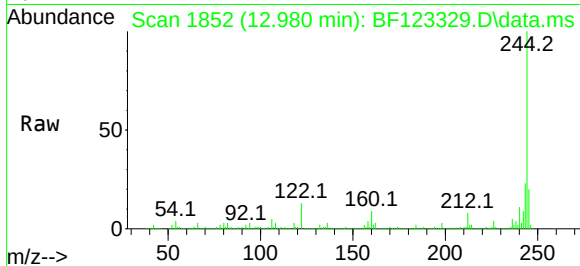




#79
 Terphenyl-d14
 Concen: 58.32 ng
 RT: 12.980 min Scan# 1852
 Delta R.T. -0.006 min
 Lab File: BF123329.D
 Acq: 1 Mar 2021 16:35

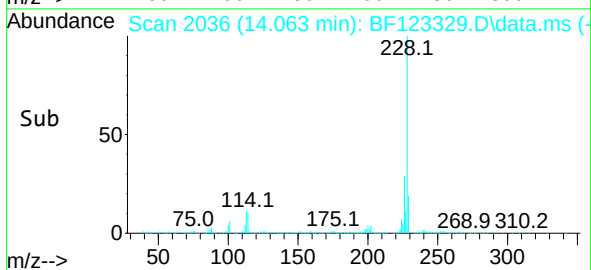
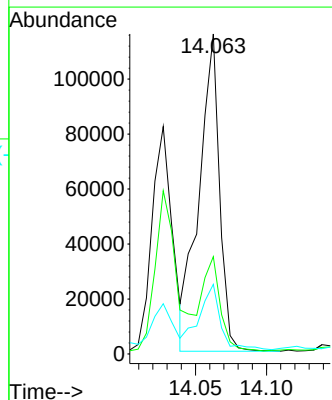
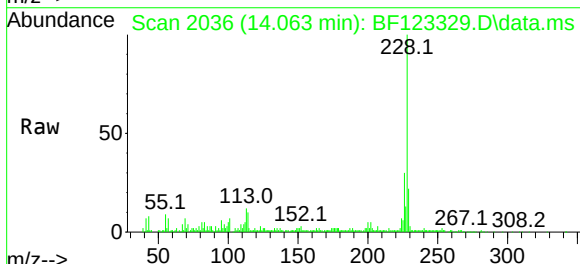
Instrument :
 BNA_F
 ClientSampleId :
 N-1

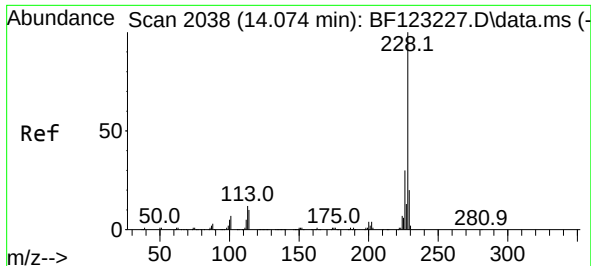
Tgt Ion:244 Resp: 1675484
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.7 8.5
 122 12.8 8.3 12.5#



#81
 Benzo(a)anthracene
 Concen: 3.09 ng
 RT: 14.063 min Scan# 2036
 Delta R.T. 0.029 min
 Lab File: BF123329.D
 Acq: 1 Mar 2021 16:35

Tgt Ion:228 Resp: 116065
 Ion Ratio Lower Upper
 228 100
 226 30.4 23.0 34.4
 229 21.7 16.6 24.8

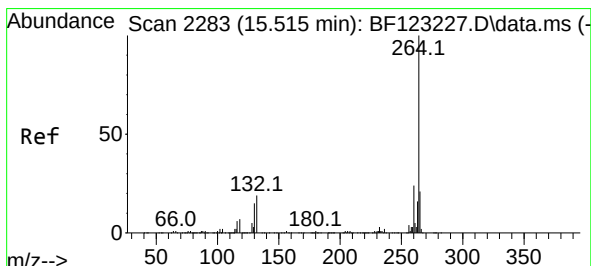
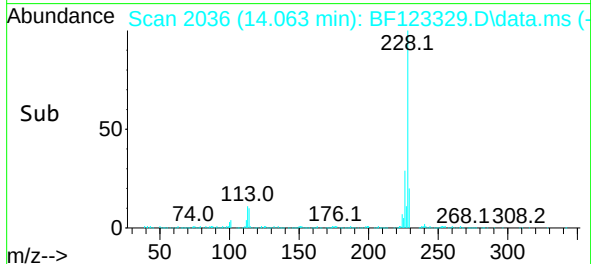
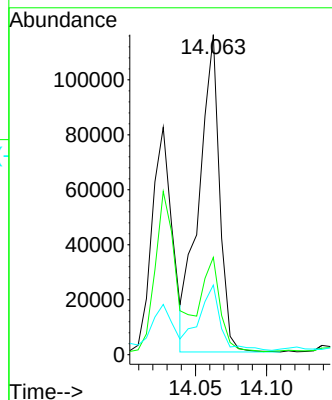
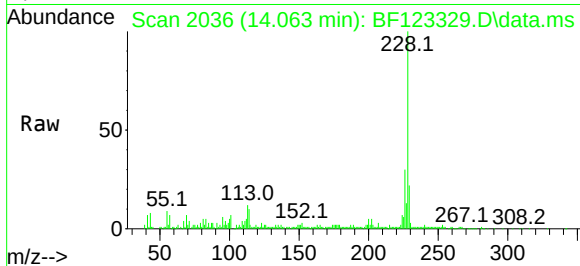




#83
Chrysene
Concen: 3.15 ng
RT: 14.063 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF123329.D
Acq: 1 Mar 2021 16:35

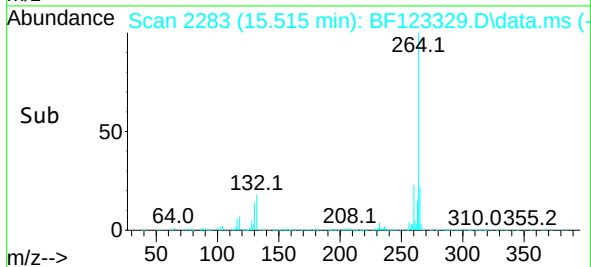
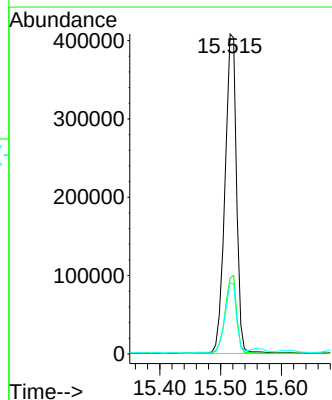
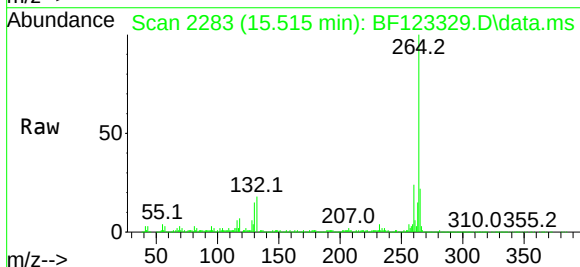
Instrument :
BNA_F
ClientSampleId :
N-1

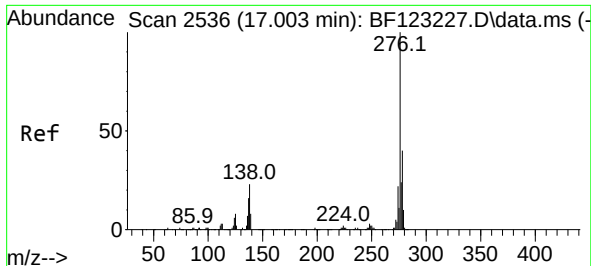
Tgt Ion:228 Resp: 116065
Ion Ratio Lower Upper
228 100
226 30.4 24.6 36.8
229 21.7 15.8 23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.515 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF123329.D
Acq: 1 Mar 2021 16:35

Tgt Ion:264 Resp: 537374
Ion Ratio Lower Upper
264 100
260 23.8 18.6 28.0
265 22.2 17.0 25.6

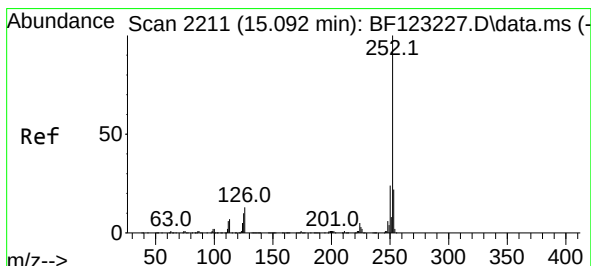
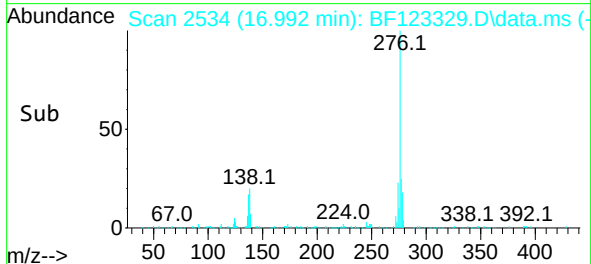
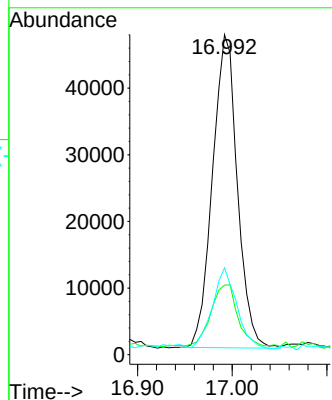
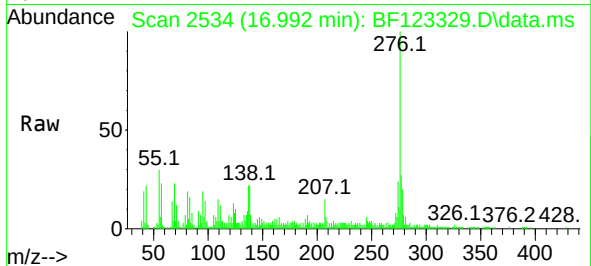




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.31 ng
RT: 16.992 min Scan# 2534
Delta R.T. -0.012 min
Lab File: BF123329.D
Acq: 1 Mar 2021 16:35

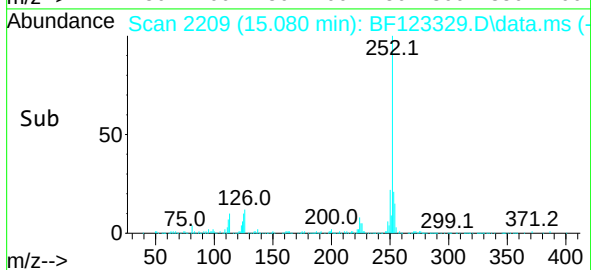
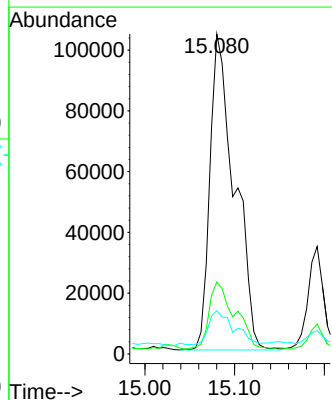
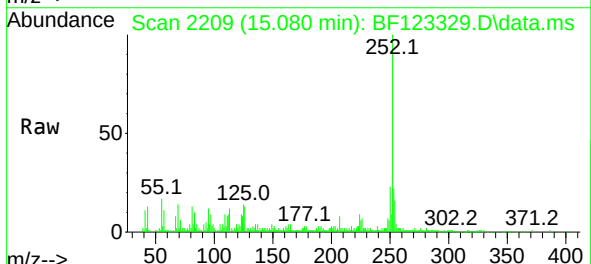
Instrument :
BNA_F
ClientSampleId :
N-1

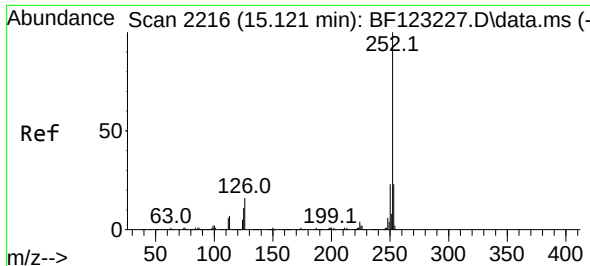
Tgt Ion:276 Resp: 85618
Ion Ratio Lower Upper
276 100
138 21.5 18.7 28.1
277 25.6 20.2 30.4



#88
Benzo(b)fluoranthene
Concen: 5.27 ng
RT: 15.080 min Scan# 2209
Delta R.T. -0.012 min
Lab File: BF123329.D
Acq: 1 Mar 2021 16:35

Tgt Ion:252 Resp: 198852
Ion Ratio Lower Upper
252 100
253 22.4 18.3 27.5
125 13.6 8.1 12.1#





#89

Benzo(k)fluoranthene

Concen: 5.81 ng

RT: 15.080 min Scan# 2209

Delta R.T. -0.041 min

Lab File: BF123329.D

Acq: 1 Mar 2021 16:35

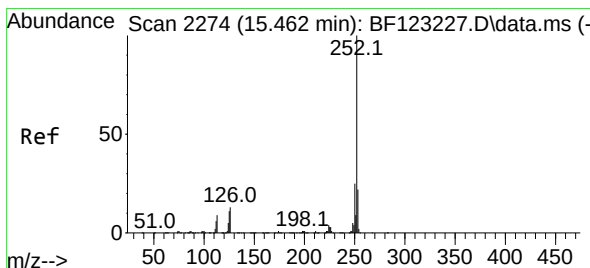
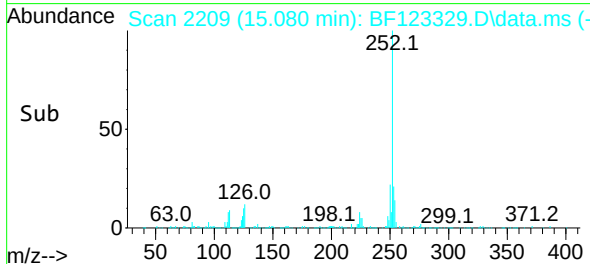
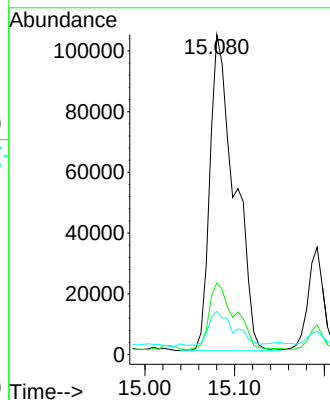
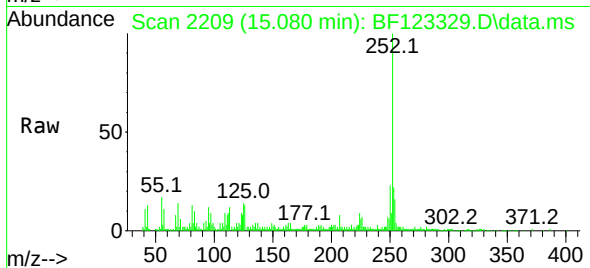
Tgt Ion:252 Resp: 198852

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.8

125 13.6 8.4 12.6#



#90

Benzo(a)pyrene

Concen: 2.53 ng

RT: 15.451 min Scan# 2272

Delta R.T. -0.012 min

Lab File: BF123329.D

Acq: 1 Mar 2021 16:35

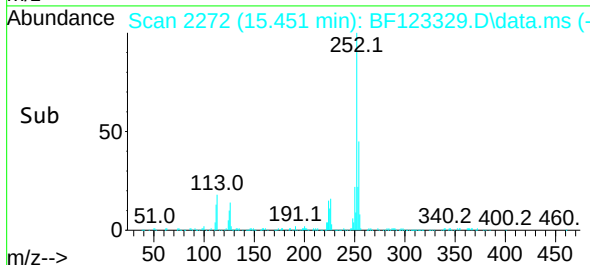
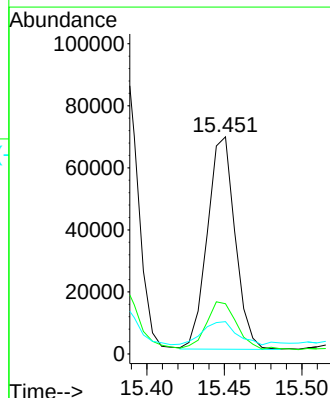
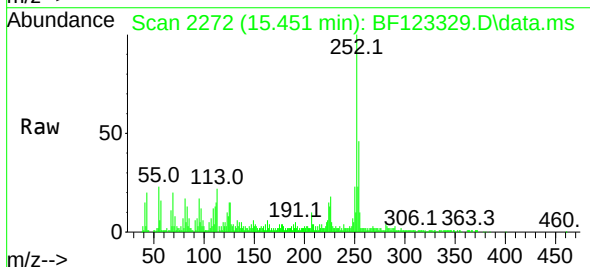
Tgt Ion:252 Resp: 85193

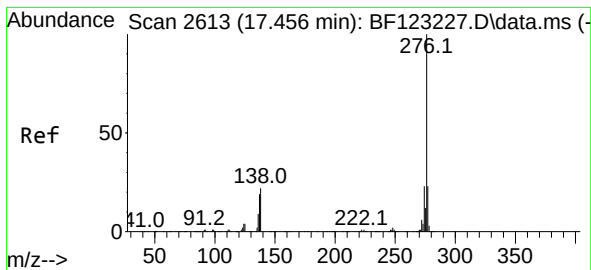
Ion Ratio Lower Upper

252 100

253 23.1 17.5 26.3

125 14.9 8.6 12.8#





#92

Benzo(g,h,i)perylene

Concen: 2.94 ng

RT: 17.439 min Scan# 2610

Delta R.T. -0.018 min

Lab File: BF123329.D

Acq: 1 Mar 2021 16:35

Tgt Ion: 276 Resp: 86325

Ion Ratio Lower Upper

276 100

277 27.5 19.3 28.9

138 24.7 16.6 24.8

