

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032421\
 Data File : BF123452.D
 Acq On : 24 Mar 2021 22:06
 Operator : JU/CG
 Sample : M1773-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-032321

Quant Time: Mar 25 00:41:34 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 24 12:51:15 2021
 Response via : Initial Calibration

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

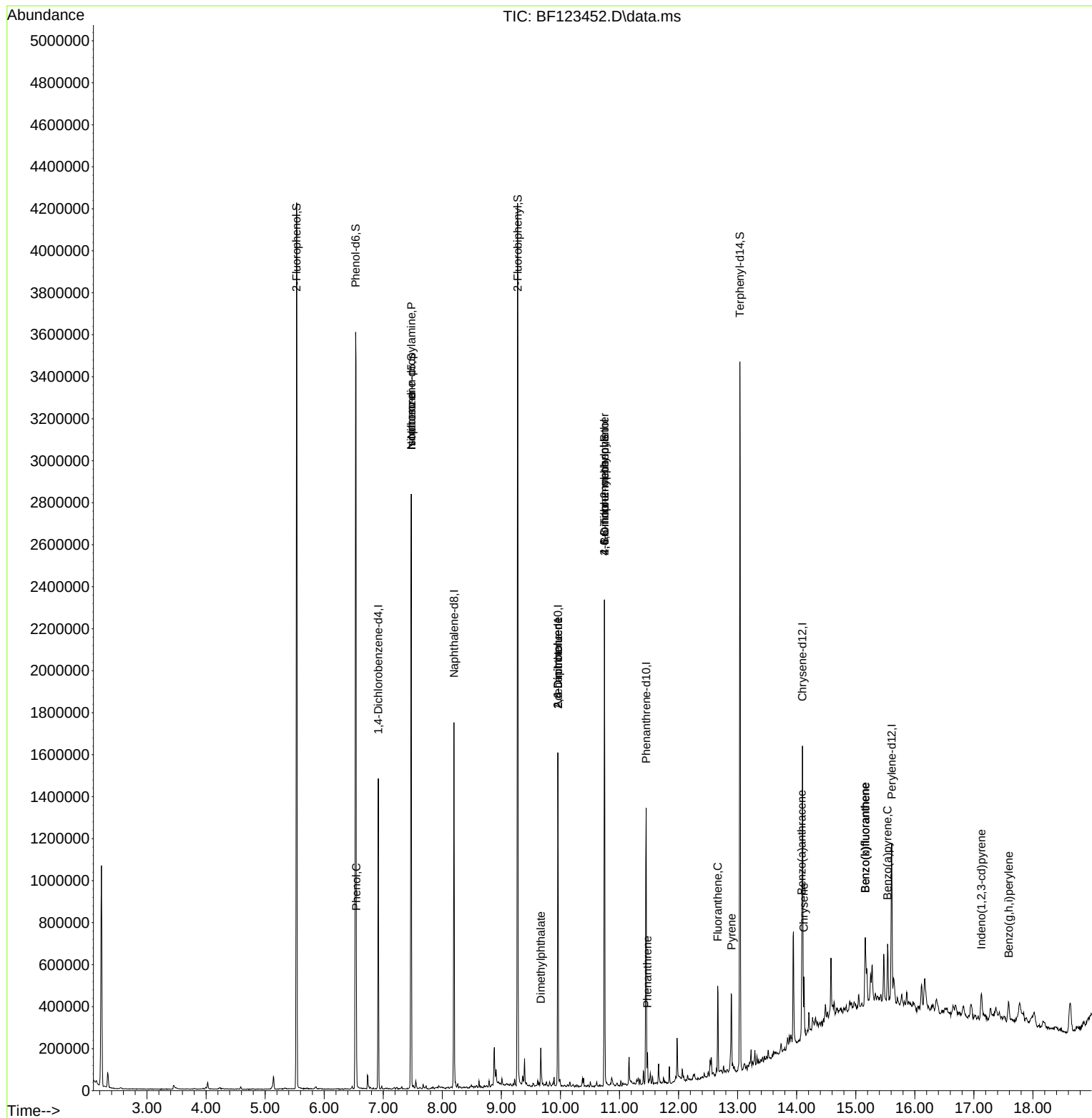
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	192012	20.00	ng	0.00
21) Naphthalene-d8	8.198	136	645072	20.00	ng	# 0.00
39) Acenaphthene-d10	9.957	164	300762	20.00	ng	0.00
64) Phenanthrene-d10	11.451	188	451892	20.00	ng	0.00
76) Chrysene-d12	14.098	240	422607	20.00	ng	-0.01
86) Perylene-d12	15.609	264	382170	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	1011056	86.14	ng	0.00
7) Phenol-d6	6.534	99	1196882	76.60	ng	0.00
23) Nitrobenzene-d5	7.475	82	787533	65.89	ng	0.00
42) 2,4,6-Tribromophenol	10.745	330	248712	73.97	ng	-0.01
45) 2-Fluorobiphenyl	9.275	172	1299515	61.73	ng	0.00
79) Terphenyl-d14	13.039	244	1139384	45.69	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.463	77	332	Below Cal	#	75
10) Phenol	6.545	94	46642	2.91	ng	97
19) n-Nitroso-di-n-propyla...	7.475	70	106390	10.53	ng	# 81
25) Isophorone	7.475	82	782730	30.46	ng	# 65
50) Dimethylphthalate	9.669	163	57994	2.71	ng	98
51) 2,6-Dinitrotoluene	9.957	165	39857	8.93	ng	# 31
57) 2,4-Dinitrotoluene	9.957	165	39857	7.16	ng	# 25
65) 4,6-Dinitro-2-methylph...	10.745	198	586	5.34	ng	# 1
67) 4-Bromophenyl-phenylether	10.745	248	14366	2.68	ng	# 1
71) Phenanthrene	11.474	178	52525	2.10	ng	96
75) Fluoranthene	12.663	202	171310	6.33	ng	97
78) Pyrene	12.898	202	159896	4.39	ng	98
81) Benzo(a)anthracene	14.086	228	114619	4.14	ng	99
83) Chrysene	14.121	228	117960	4.13	ng	97
87) Indeno(1,2,3-cd)pyrene	17.127	276	83403	3.51	ng	95
88) Benzo(b)fluoranthene	15.162	252	252621	9.58	ng	99
89) Benzo(k)fluoranthene	15.162	252	252621	10.14	ng	98
90) Benzo(a)pyrene	15.539	252	132303	5.81	ng	99
92) Benzo(g,h,i)perylene	17.592	276	87182	4.32	ng	99

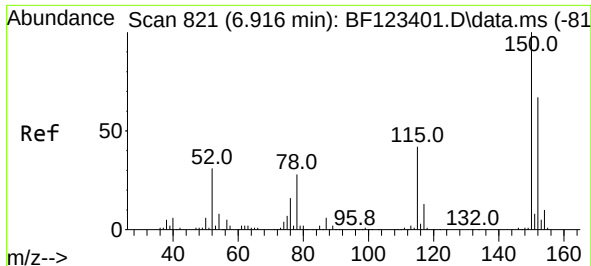
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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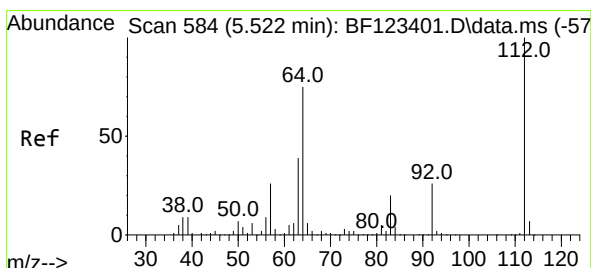
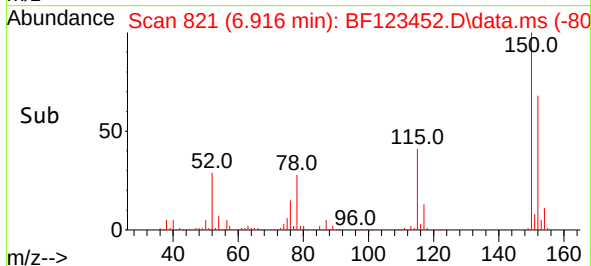
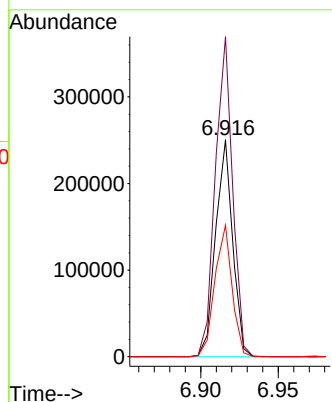
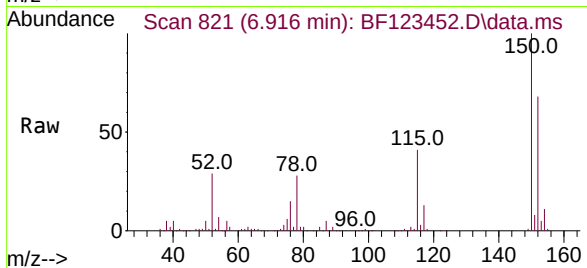




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.916 min Scan# 821
Delta R.T. -0.000 min
Lab File: BF123452.D
Acq: 24 Mar 2021 22:06

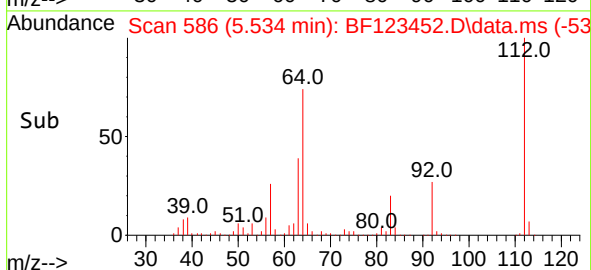
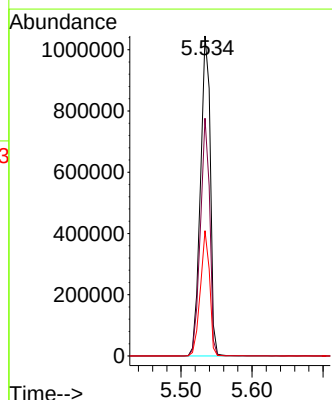
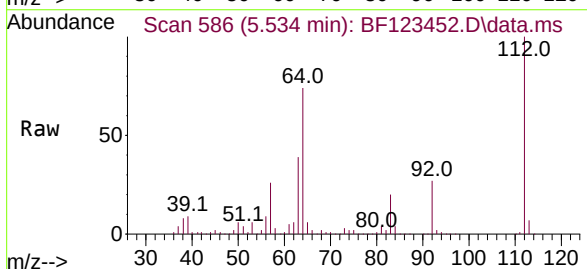
Instrument :
BNA_F
ClientSampleId :
NB-08-032321

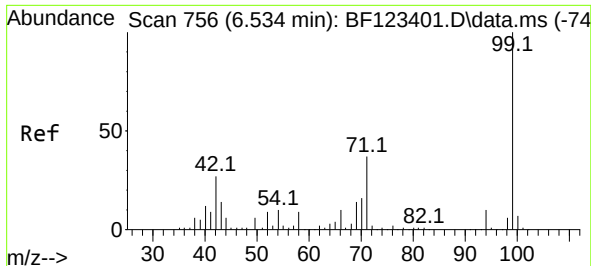
Tgt Ion:152 Resp: 192012
Ion Ratio Lower Upper
152 100
150 147.5 125.8 188.6
115 60.5 49.3 73.9



#5
2-Fluorophenol
Concen: 86.14 ng
RT: 5.534 min Scan# 586
Delta R.T. 0.006 min
Lab File: BF123452.D
Acq: 24 Mar 2021 22:06

Tgt Ion:112 Resp: 1011056
Ion Ratio Lower Upper
112 100
64 74.3 46.9 70.3#
63 39.2 24.5 36.7#

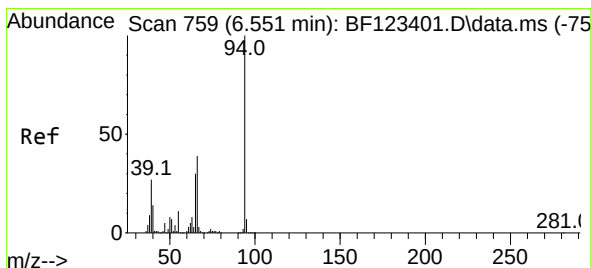
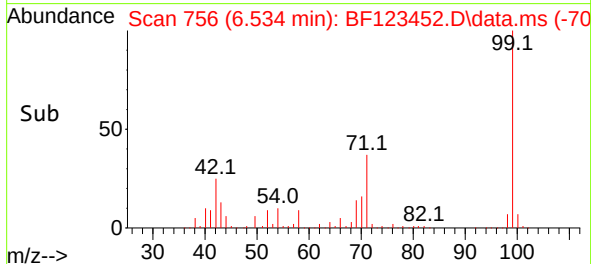
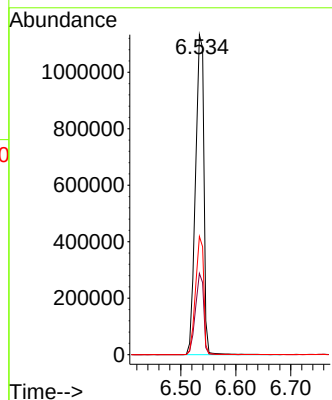
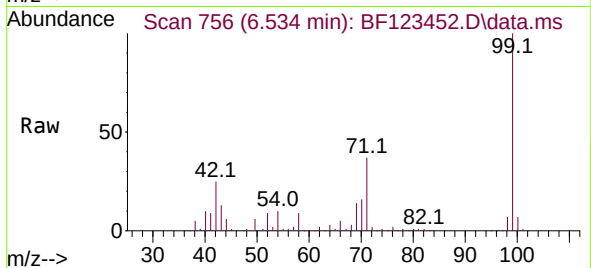




#7
Phenol-d6
Concen: 76.60 ng
RT: 6.534 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF123452.D
Acq: 24 Mar 2021 22:06

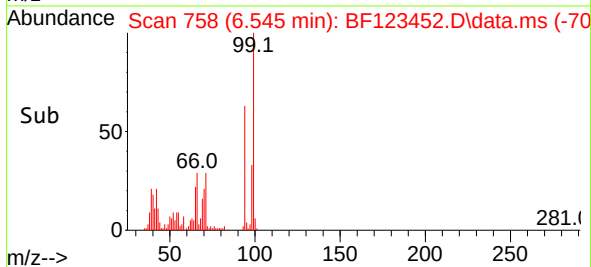
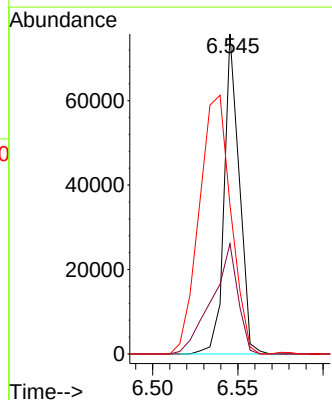
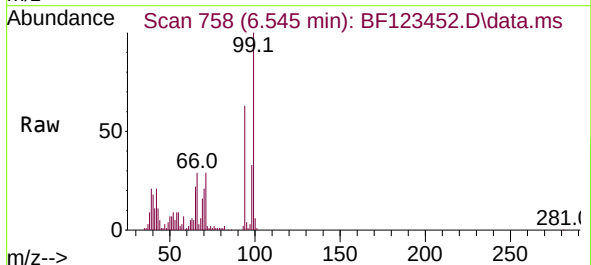
Instrument :
BNA_F
ClientSampleId :
NB-08-032321

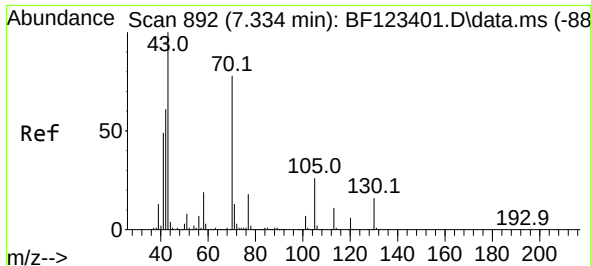
Tgt Ion: 99 Resp: 1196882
Ion Ratio Lower Upper
99 100
42 25.4 13.8 20.6#
71 37.0 26.9 40.3



#10
Phenol
Concen: 2.91 ng
RT: 6.545 min Scan# 758
Delta R.T. -0.006 min
Lab File: BF123452.D
Acq: 24 Mar 2021 22:06

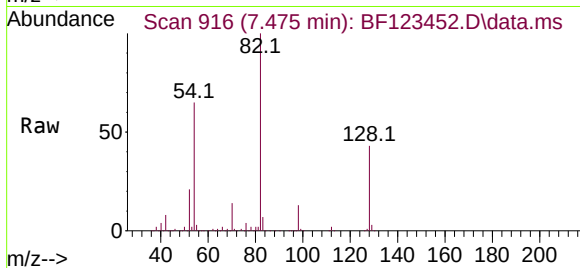
Tgt Ion: 94 Resp: 46642
Ion Ratio Lower Upper
94 100
65 34.5 11.2 51.2
66 46.6 25.8 65.8



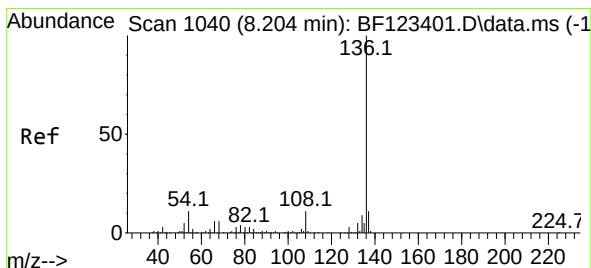
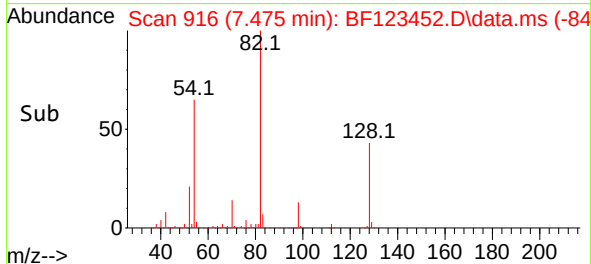
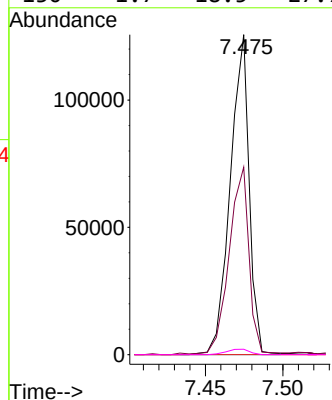


#19
n-Nitroso-di-n-propylamine
Concen: 10.53 ng
RT: 7.475 min Scan# 916
Delta R.T. 0.141 min
Lab File: BF123452.D
Acq: 24 Mar 2021 22:06

Instrument :
BNA_F
ClientSampleId :
NB-08-032321

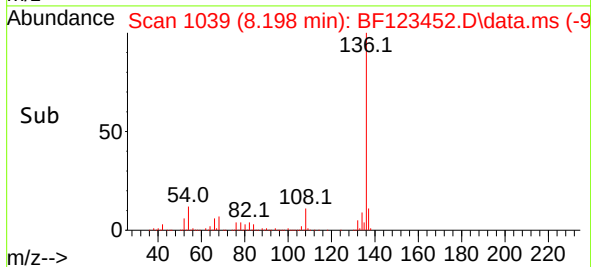
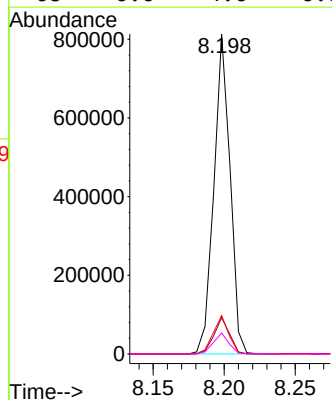
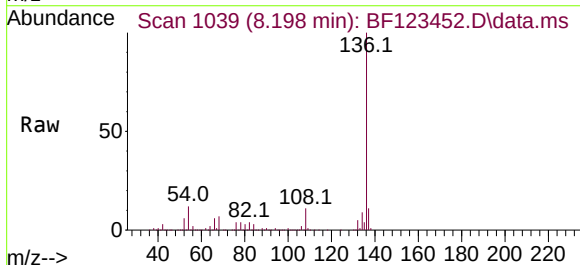


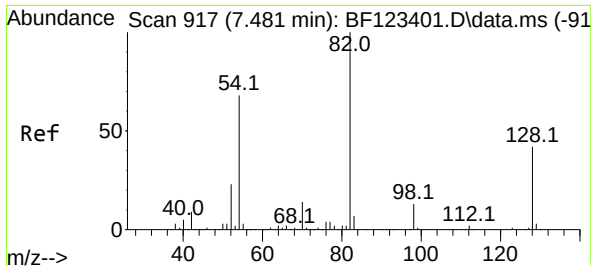
Tgt Ion: 70 Resp: 106390
Ion Ratio Lower Upper
70 100
42 58.6 43.0 64.4
101 0.0 7.9 11.9#
130 1.7 18.5 27.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.198 min Scan# 1039
Delta R.T. -0.000 min
Lab File: BF123452.D
Acq: 24 Mar 2021 22:06

Tgt Ion: 136 Resp: 645072
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 12.0 5.5 8.3#
68 6.6 4.6 6.8

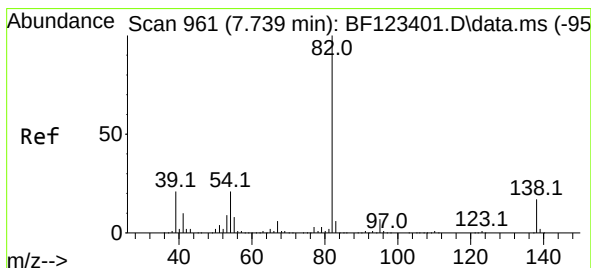
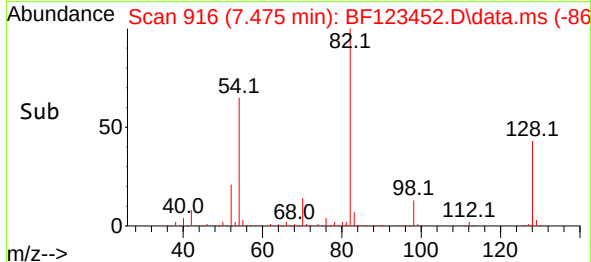
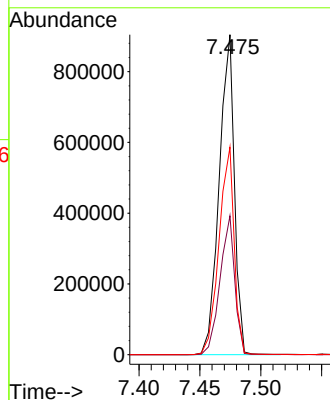
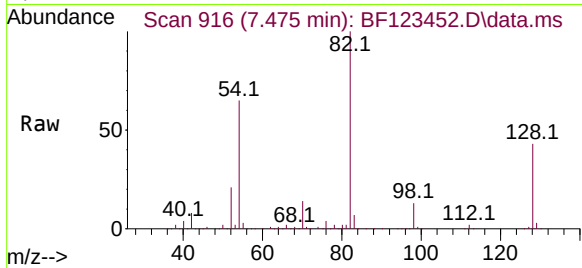




#23
Nitrobenzene-d5
Concen: 65.89 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.006 min
Lab File: BF123452.D
Acq: 24 Mar 2021 22:06

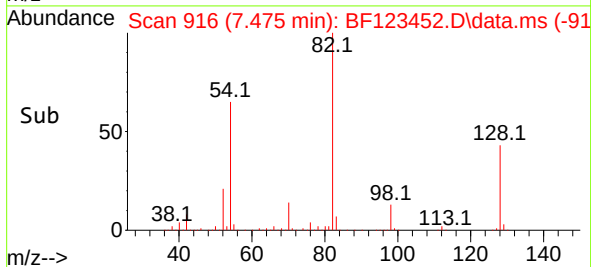
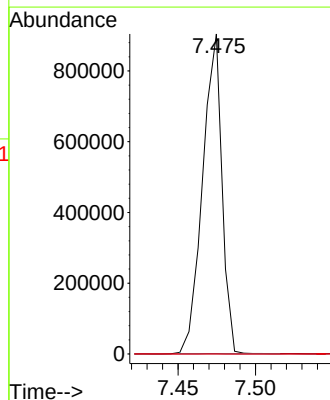
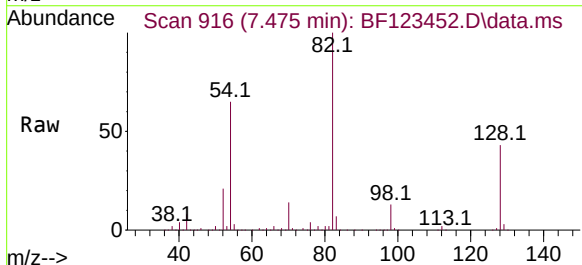
Instrument :
BNA_F
ClientSampleId :
NB-08-032321

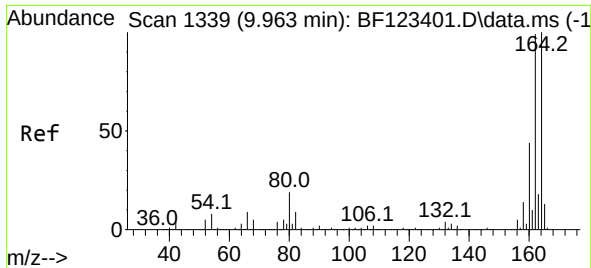
Tgt Ion: 82 Resp: 787533
Ion Ratio Lower Upper
82 100
128 43.4 37.0 55.4
54 64.9 38.4 57.6#



#25
Isophorone
Concen: 30.46 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.265 min
Lab File: BF123452.D
Acq: 24 Mar 2021 22:06

Tgt Ion: 82 Resp: 782730
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: 9.957 min Scan# 1338

Delta R.T. -0.006 min

Lab File: BF123452.D

Acq: 24 Mar 2021 22:06

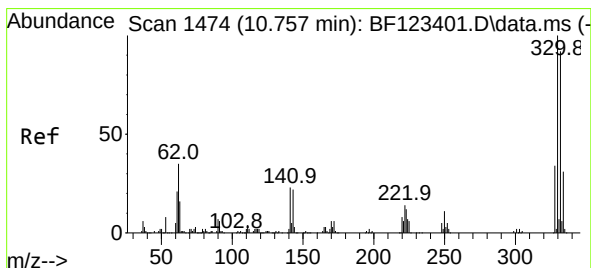
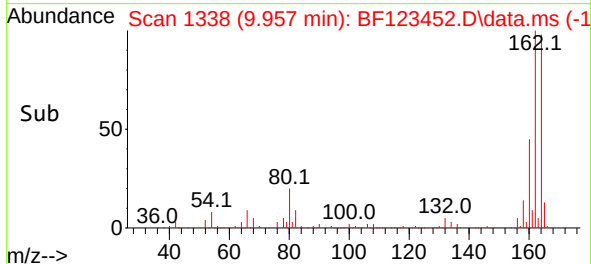
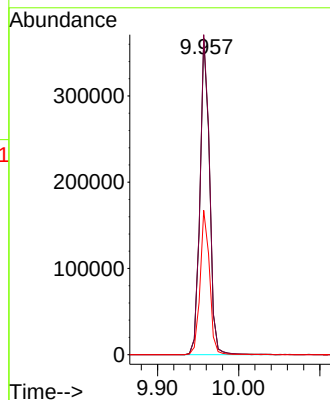
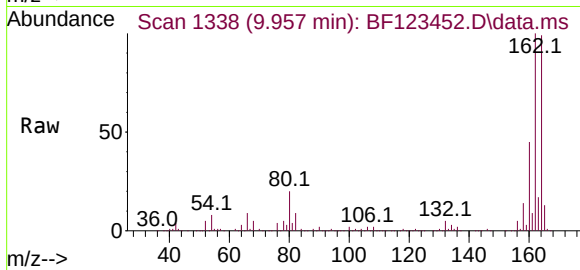
Tgt Ion:164 Resp: 300762

Ion Ratio Lower Upper

164 100

162 101.0 80.8 121.2

160 45.6 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 73.97 ng

RT: 10.745 min Scan# 1472

Delta R.T. -0.012 min

Lab File: BF123452.D

Acq: 24 Mar 2021 22:06

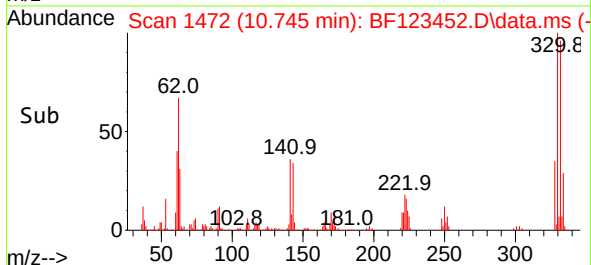
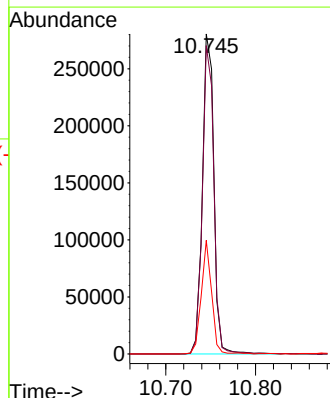
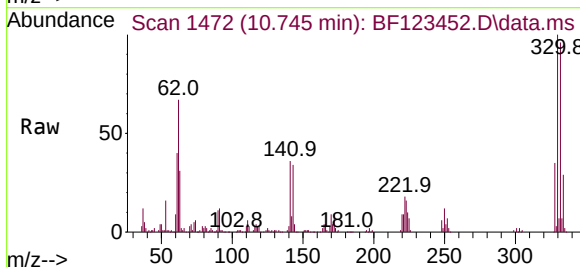
Tgt Ion:330 Resp: 248712

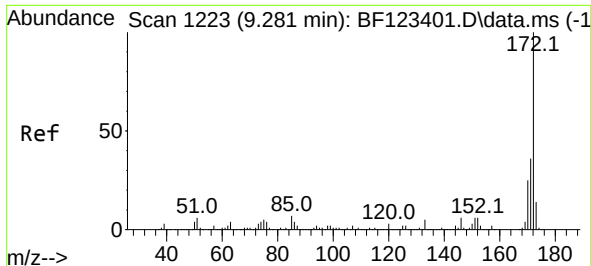
Ion Ratio Lower Upper

330 100

332 96.3 77.5 116.3

141 32.3 23.8 35.8

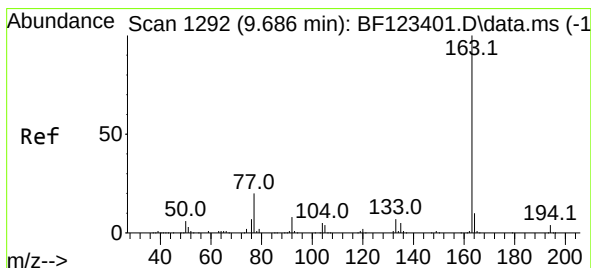
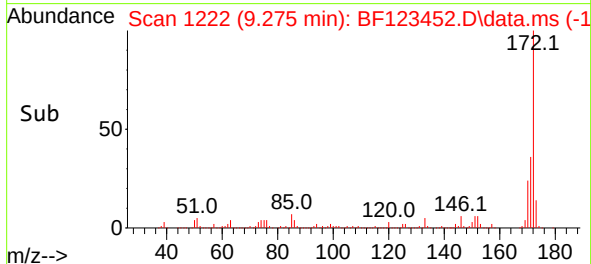
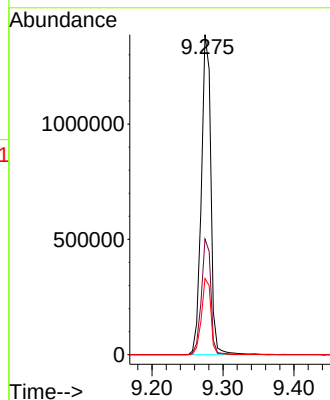
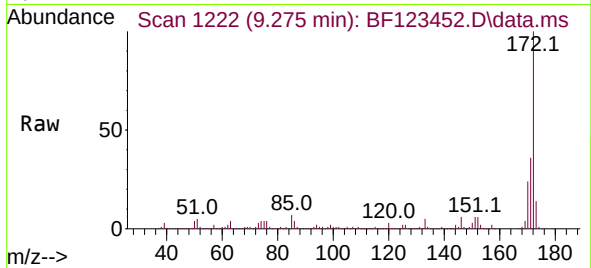




#45
2-Fluorobiphenyl
Concen: 61.73 ng
RT: 9.275 min Scan# 1222
Delta R.T. -0.006 min
Lab File: BF123452.D
Acq: 24 Mar 2021 22:06

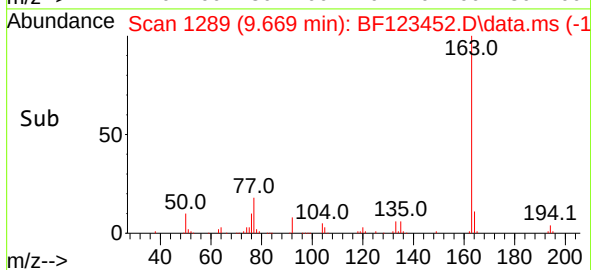
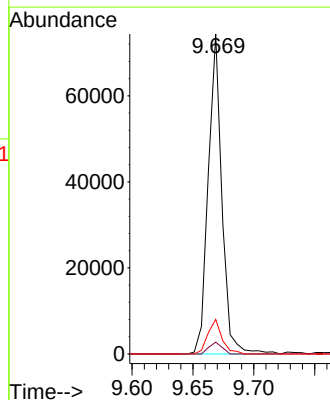
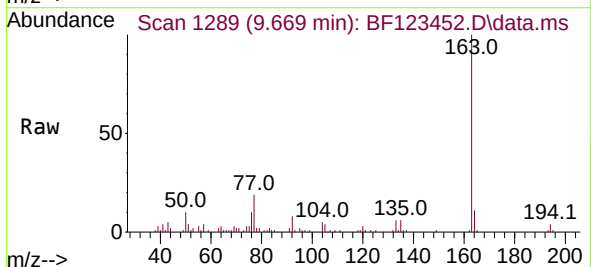
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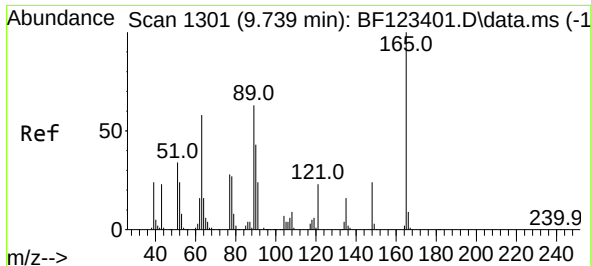
Tgt Ion:172 Resp: 1299515
Ion Ratio Lower Upper
172 100
171 36.2 29.6 44.4
170 23.8 19.5 29.3



#50
Dimethylphthalate
Concen: 2.71 ng
RT: 9.669 min Scan# 1289
Delta R.T. -0.018 min
Lab File: BF123452.D
Acq: 24 Mar 2021 22:06

Tgt Ion:163 Resp: 57994
Ion Ratio Lower Upper
163 100
194 3.7 3.4 5.0
164 10.8 8.1 12.1

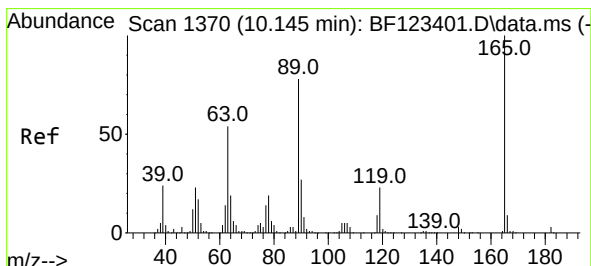
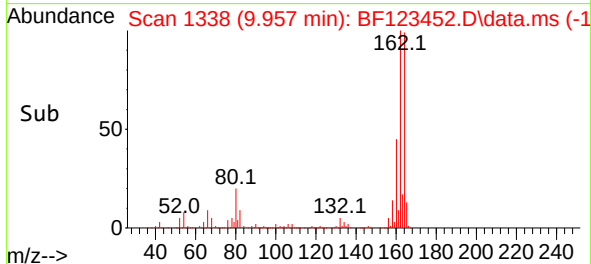
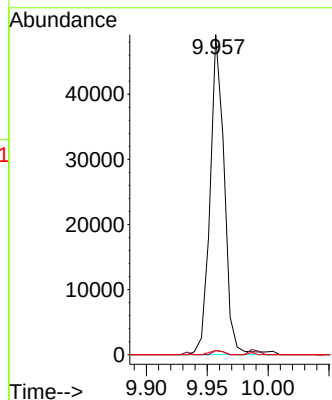
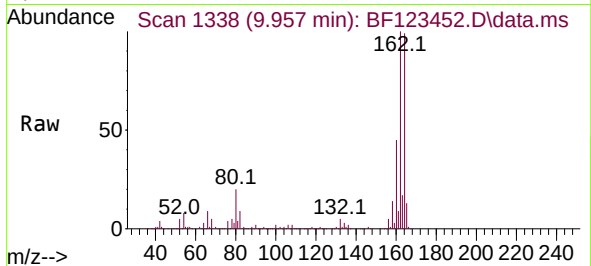




#51
2,6-Dinitrotoluene
Concen: 8.93 ng
RT: 9.957 min Scan# 1338
Delta R.T. 0.212 min
Lab File: BF123452.D
Acq: 24 Mar 2021 22:06

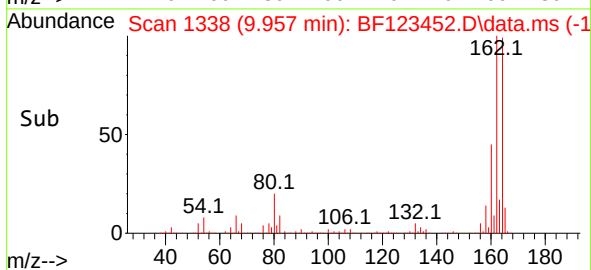
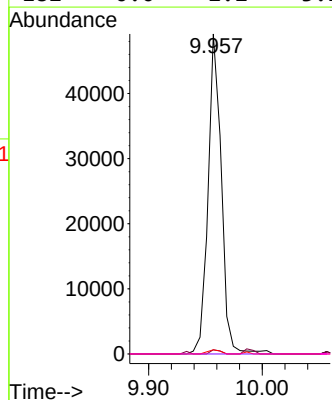
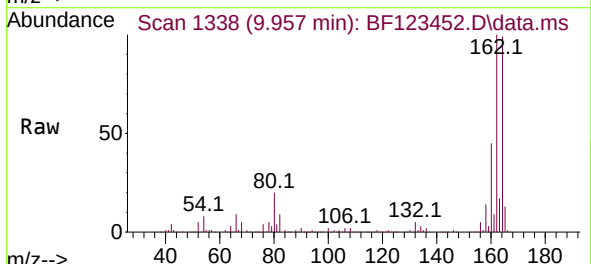
Instrument :
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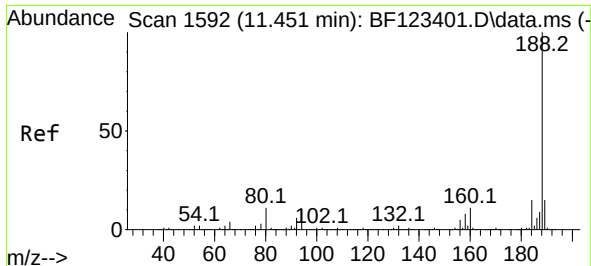
Tgt Ion:165 Resp: 39857
Ion Ratio Lower Upper
165 100
63 1.3 36.6 55.0#
89 1.3 39.4 59.0#



#57
2,4-Dinitrotoluene
Concen: 7.16 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.194 min
Lab File: BF123452.D
Acq: 24 Mar 2021 22:06

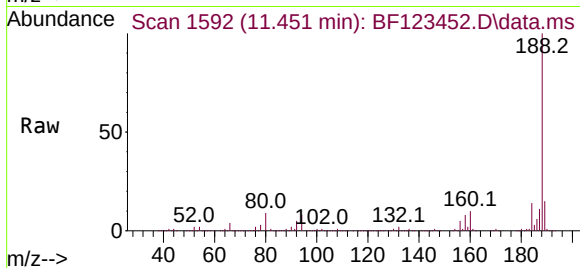
Tgt Ion:165 Resp: 39857
Ion Ratio Lower Upper
165 100
63 1.3 34.3 51.5#
89 1.3 55.2 82.8#
182 0.0 2.2 3.2#



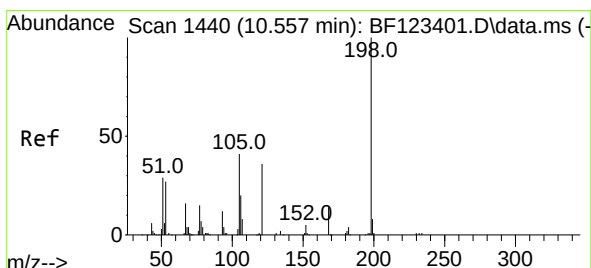
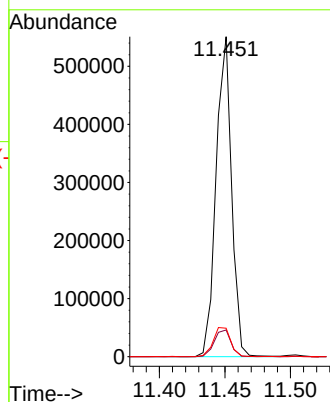
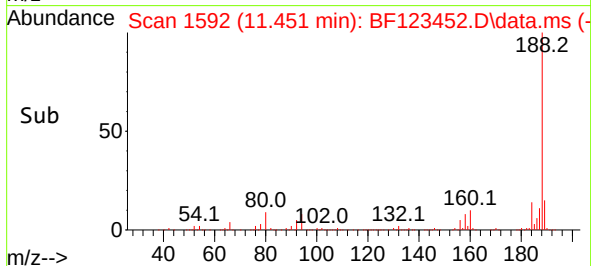


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.451 min Scan# 1592
Delta R.T. -0.000 min
Lab File: BF123452.D
Acq: 24 Mar 2021 22:06

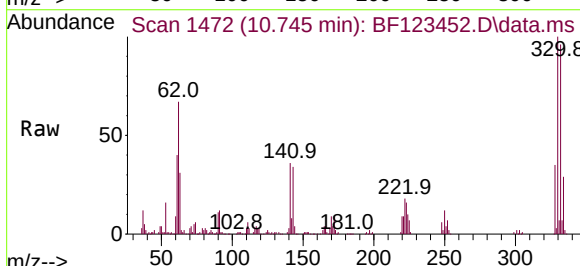
Instrument :
BNA_F
ClientSampleId :
NB-08-032321



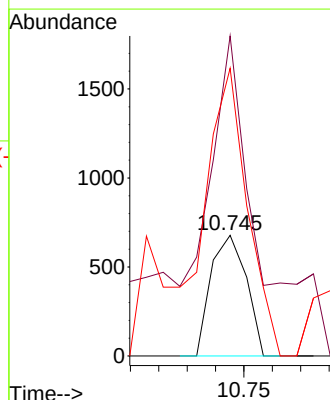
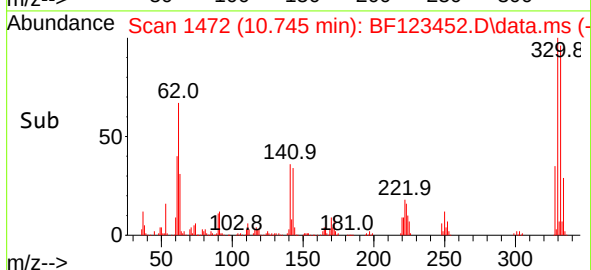
Tgt Ion:188 Resp: 451892
Ion Ratio Lower Upper
188 100
94 8.4 7.4 11.2
80 8.9 8.2 12.4

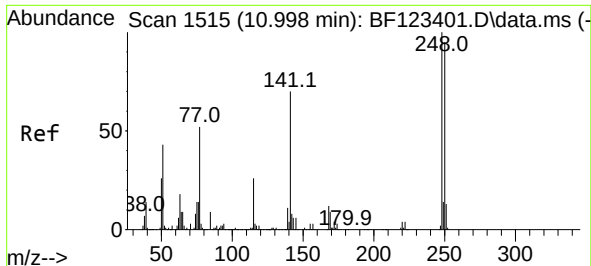


#65
4,6-Dinitro-2-methylphenol
Concen: 5.34 ng
RT: 10.745 min Scan# 1472
Delta R.T. 0.188 min
Lab File: BF123452.D
Acq: 24 Mar 2021 22:06



Tgt Ion:198 Resp: 586
Ion Ratio Lower Upper
198 100
51 265.2 20.3 60.3#
105 238.3 23.0 63.0#

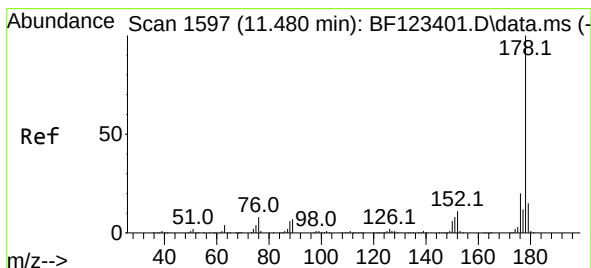
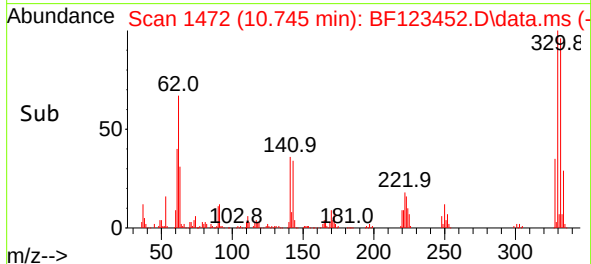
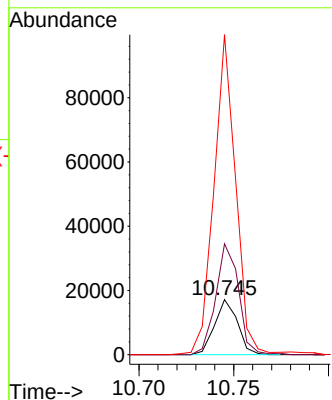
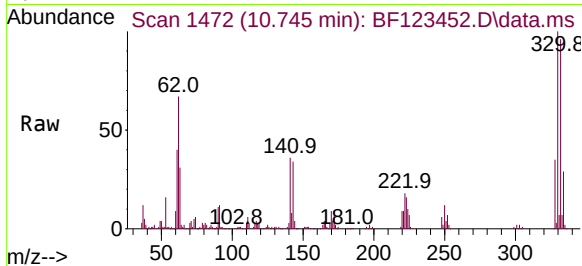




#67
4-Bromophenyl-phenylether
Concen: 2.68 ng
RT: 10.745 min Scan# 1472
Delta R.T. -0.253 min
Lab File: BF123452.D
Acq: 24 Mar 2021 22:06

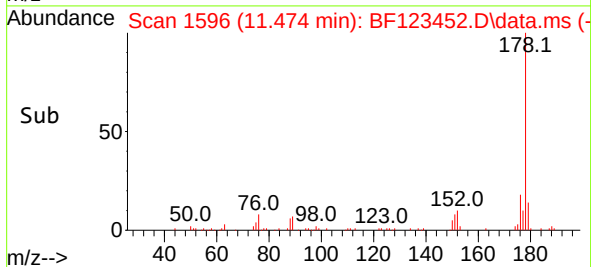
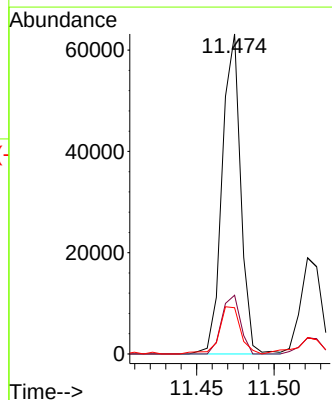
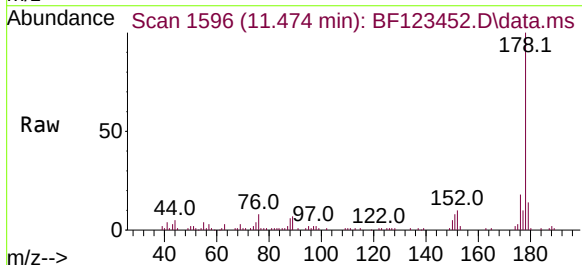
Instrument :
BNA_F
ClientSampled :
NB-08-032321

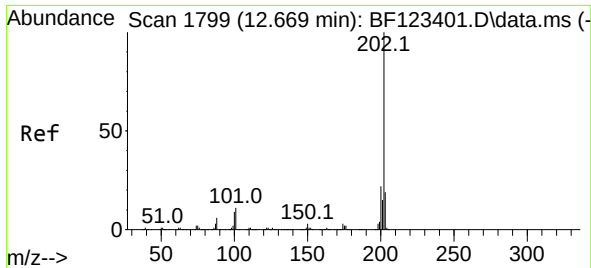
Tgt Ion:248 Resp: 14366
Ion Ratio Lower Upper
248 100
250 201.5 76.8 115.2#
141 582.0 59.8 89.8#



#71
Phenanthrene
Concen: 2.10 ng
RT: 11.474 min Scan# 1596
Delta R.T. -0.006 min
Lab File: BF123452.D
Acq: 24 Mar 2021 22:06

Tgt Ion:178 Resp: 52525
Ion Ratio Lower Upper
178 100
176 18.3 16.2 24.2
179 14.5 12.7 19.1

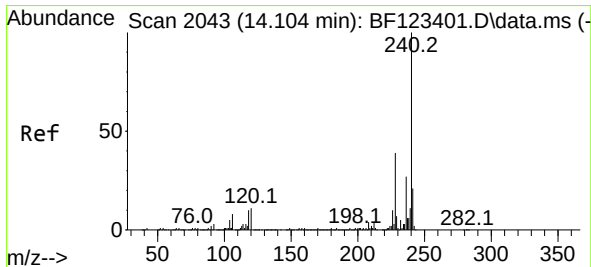
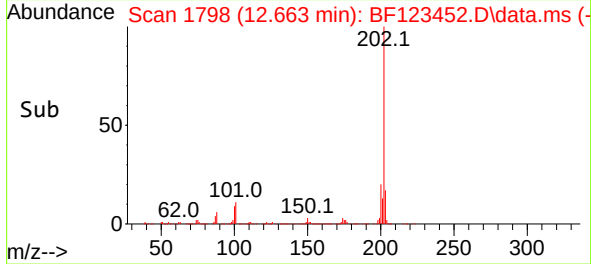
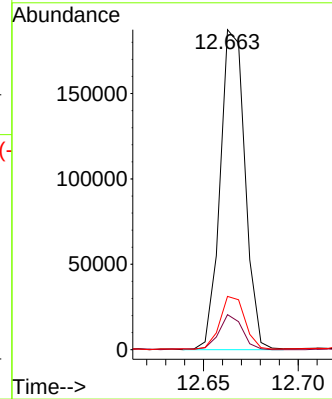
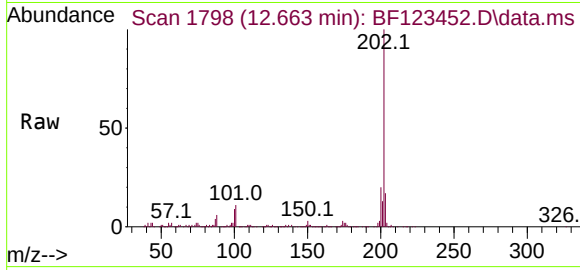




#75
Fluoranthene
Concen: 6.33 ng
RT: 12.663 min Scan# 1798
Delta R.T. -0.012 min
Lab File: BF123452.D
Acq: 24 Mar 2021 22:06

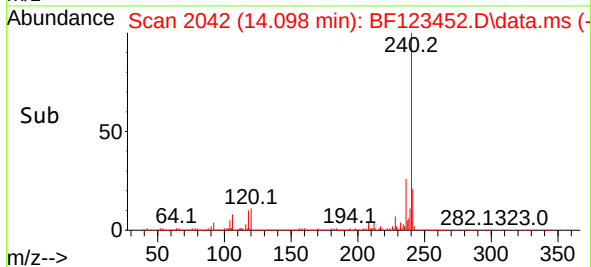
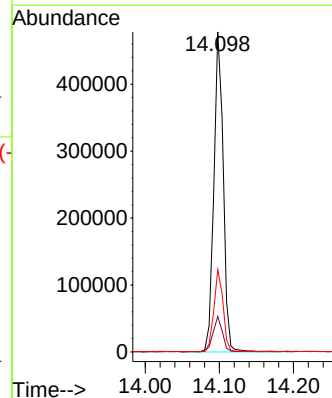
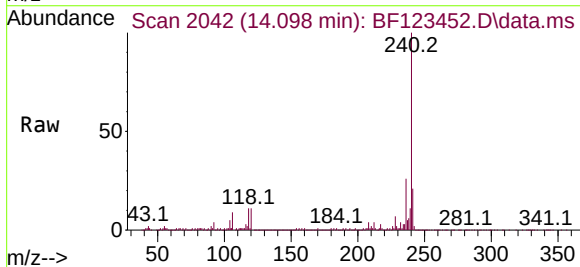
Instrument :
BNA_F
ClientSampleId :
NB-08-032321

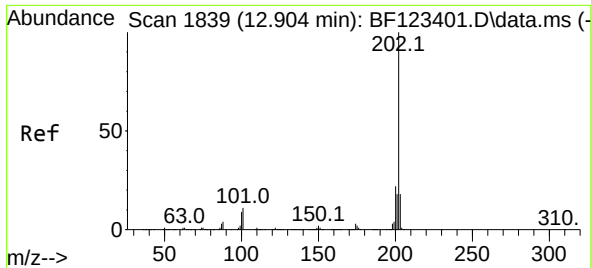
Tgt Ion:	202	Resp:	171310
Ion Ratio	Lower	Upper	
202	100		
101	10.9	0.0	32.2
203	16.6	0.0	38.1



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.098 min Scan# 2042
Delta R.T. -0.012 min
Lab File: BF123452.D
Acq: 24 Mar 2021 22:06

Tgt Ion:	240	Resp:	422607
Ion Ratio	Lower	Upper	
240	100		
120	11.1	8.6	12.8
236	25.7	20.3	30.5

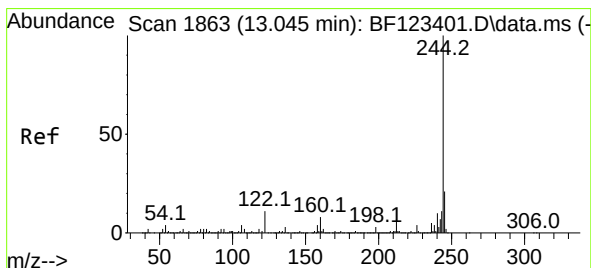
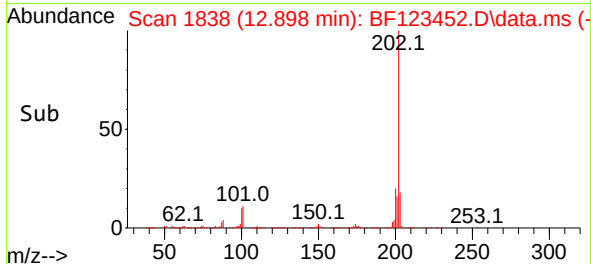
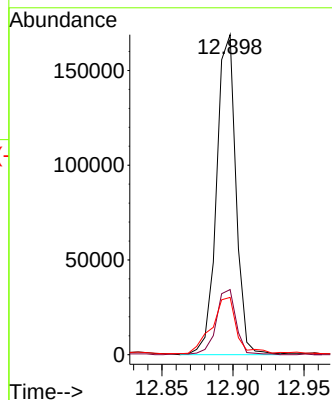
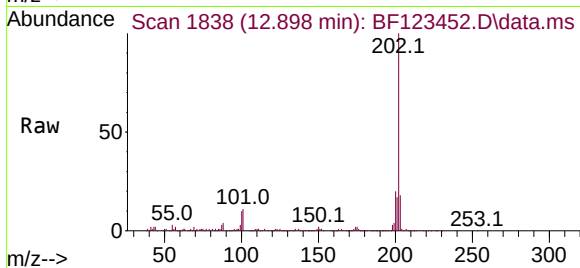




#78
Pyrene
Concen: 4.39 ng
RT: 12.898 min Scan# 1838
Delta R.T. -0.006 min
Lab File: BF123452.D
Acq: 24 Mar 2021 22:06

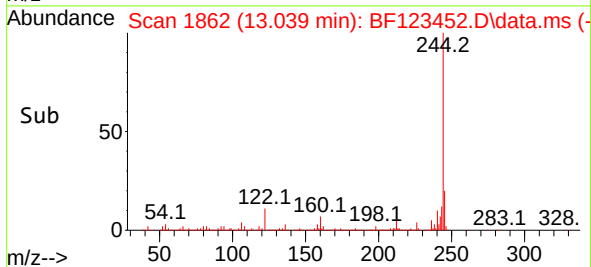
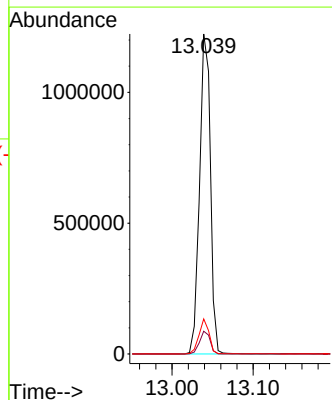
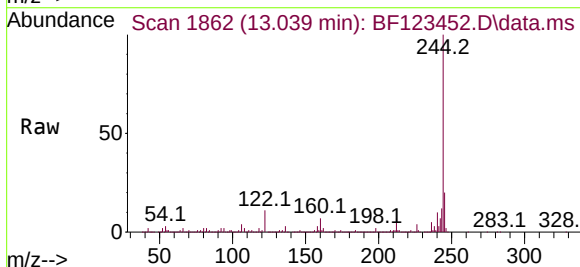
Instrument :
BNA_F
ClientSampleId :
NB-08-032321

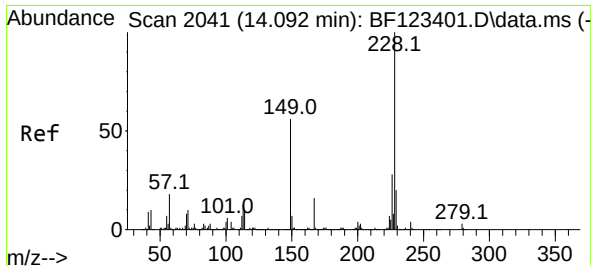
Tgt Ion:202	Resp: 159896
Ion Ratio	Lower Upper
202 100	
200 20.3	17.6 26.4
203 17.9	14.6 21.8



#79
Terphenyl-d14
Concen: 45.69 ng
RT: 13.039 min Scan# 1862
Delta R.T. -0.012 min
Lab File: BF123452.D
Acq: 24 Mar 2021 22:06

Tgt Ion:244	Resp: 1139384
Ion Ratio	Lower Upper
244 100	
212 7.1	5.7 8.5
122 11.0	8.3 12.5

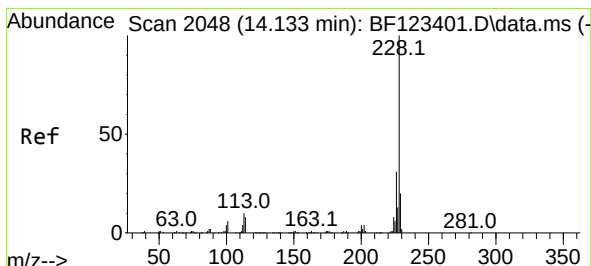
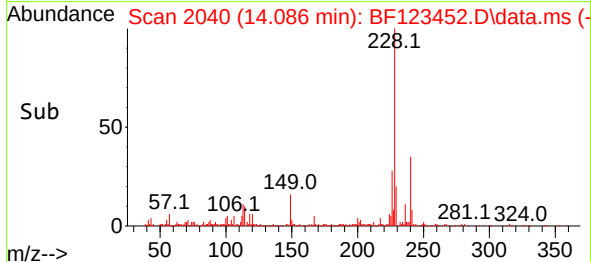
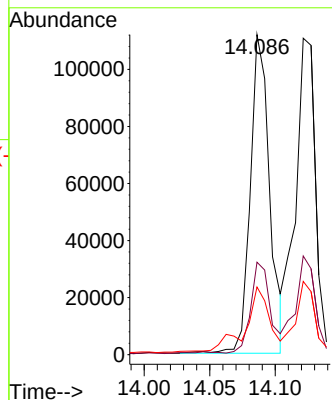
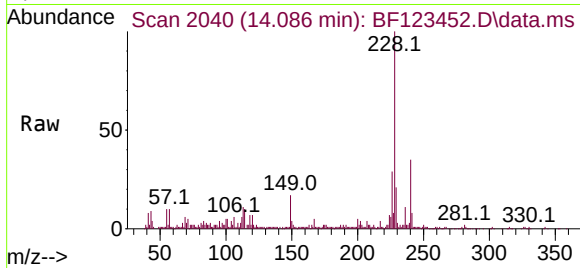




#81
Benzo(a)anthracene
Concen: 4.14 ng
RT: 14.086 min Scan# 2040
Delta R.T. -0.012 min
Lab File: BF123452.D
Acq: 24 Mar 2021 22:06

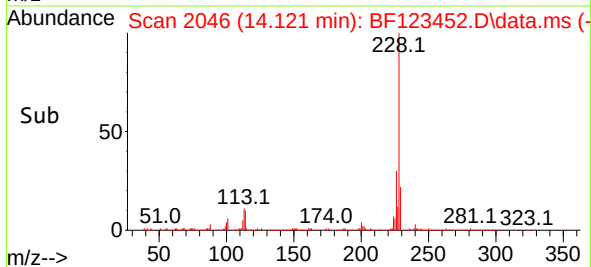
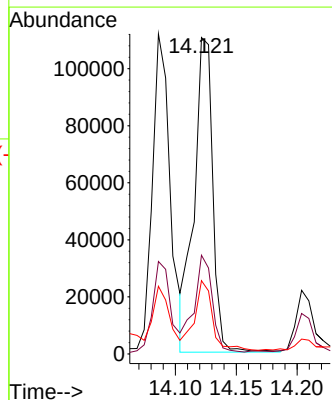
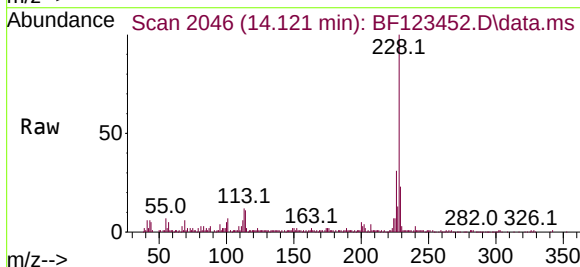
Instrument :
BNA_F
ClientSampleId :
NB-08-032321

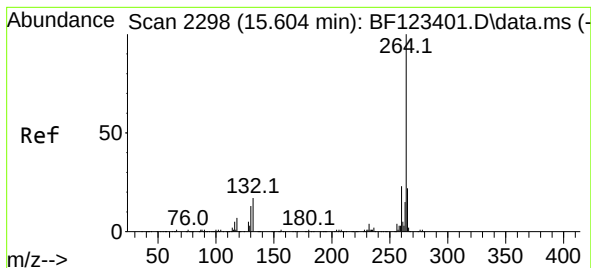
Tgt Ion:228 Resp: 114619
Ion Ratio Lower Upper
228 100
226 28.9 23.0 34.4
229 21.1 16.6 24.8



#83
Chrysene
Concen: 4.13 ng
RT: 14.121 min Scan# 2046
Delta R.T. -0.012 min
Lab File: BF123452.D
Acq: 24 Mar 2021 22:06

Tgt Ion:228 Resp: 117960
Ion Ratio Lower Upper
228 100
226 31.2 24.6 36.8
229 23.1 15.8 23.6

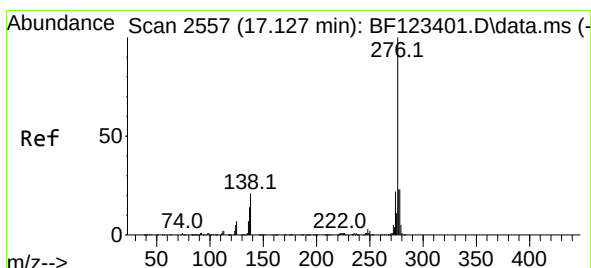
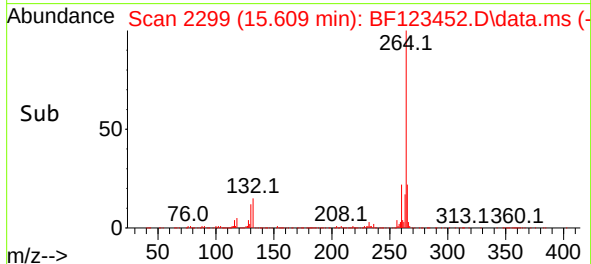
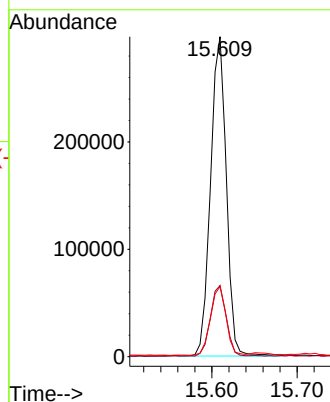
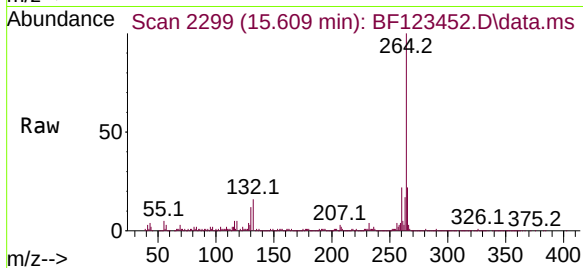




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.609 min Scan# 2299
Delta R.T. -0.000 min
Lab File: BF123452.D
Acq: 24 Mar 2021 22:06

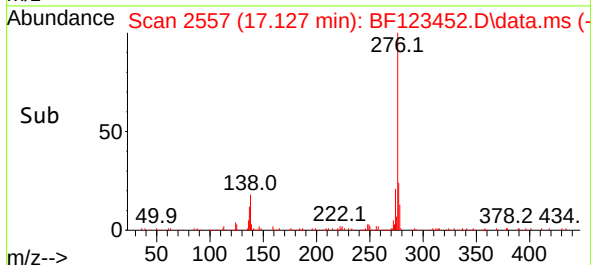
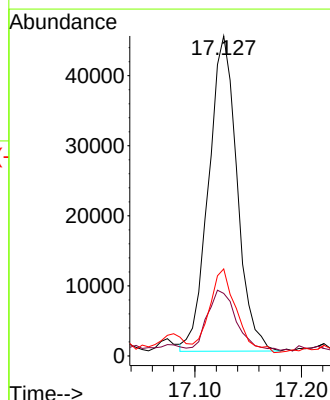
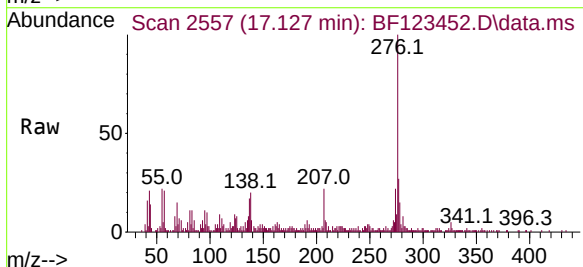
Instrument :
BNA_F
ClientSampleId :
NB-08-032321

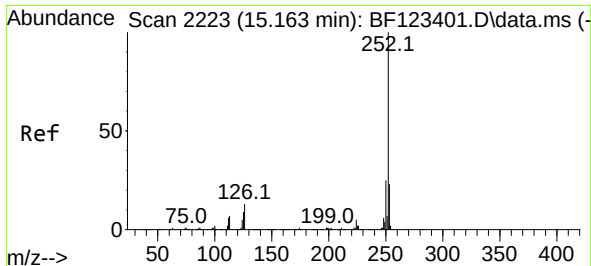
Tgt Ion:264 Resp: 382170
Ion Ratio Lower Upper
264 100
260 22.2 18.6 28.0
265 21.9 17.0 25.6



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.51 ng
RT: 17.127 min Scan# 2557
Delta R.T. -0.006 min
Lab File: BF123452.D
Acq: 24 Mar 2021 22:06

Tgt Ion:276 Resp: 83403
Ion Ratio Lower Upper
276 100
138 19.3 18.7 28.1
277 24.4 20.2 30.4

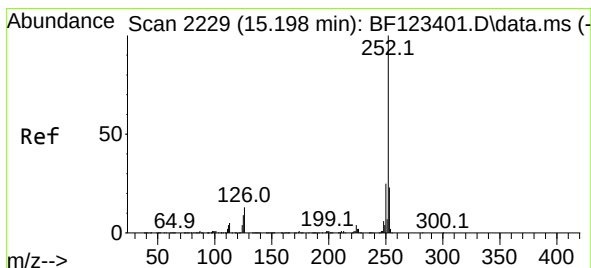
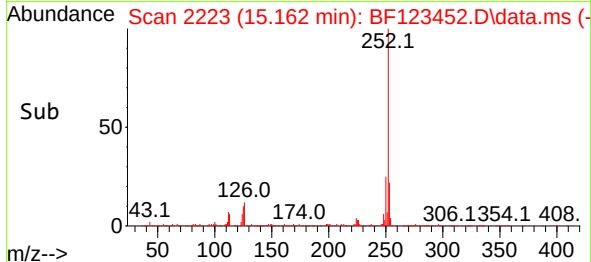
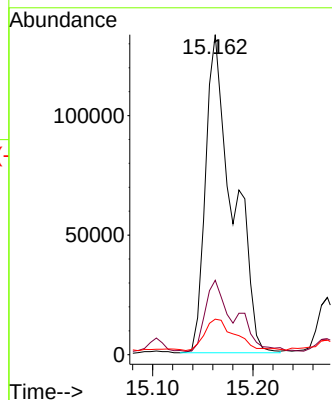
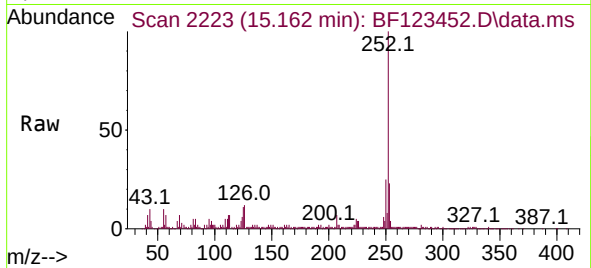




#88
Benzo(b)fluoranthene
Concen: 9.58 ng
RT: 15.162 min Scan# 2223
Delta R.T. -0.006 min
Lab File: BF123452.D
Acq: 24 Mar 2021 22:06

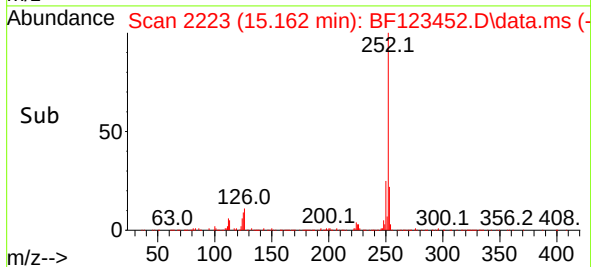
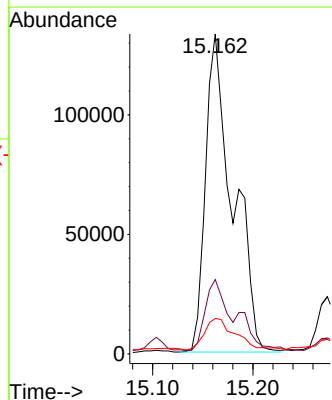
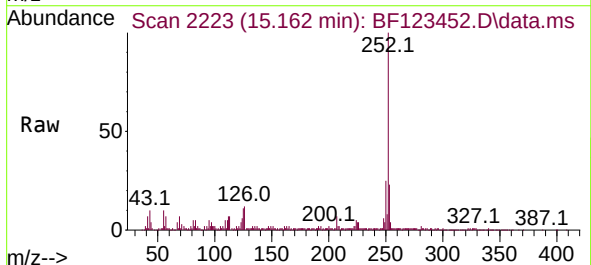
Instrument :
BNA_F
ClientSampleId :
NB-08-032321

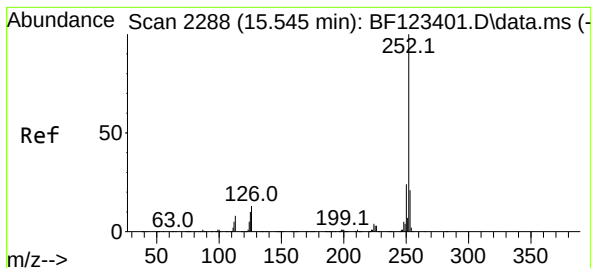
Tgt Ion:252 Resp: 252621
Ion Ratio Lower Upper
252 100
253 23.3 18.3 27.5
125 11.1 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 10.14 ng
RT: 15.162 min Scan# 2223
Delta R.T. -0.035 min
Lab File: BF123452.D
Acq: 24 Mar 2021 22:06

Tgt Ion:252 Resp: 252621
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.8
125 11.1 8.4 12.6





#90

Benzo(a)pyrene

Concen: 5.81 ng

RT: 15.539 min Scan# 2287

Delta R.T. -0.006 min

Lab File: BF123452.D

Acq: 24 Mar 2021 22:06

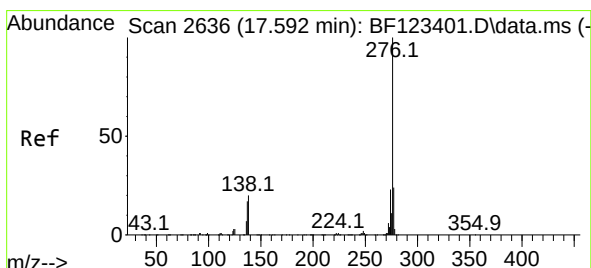
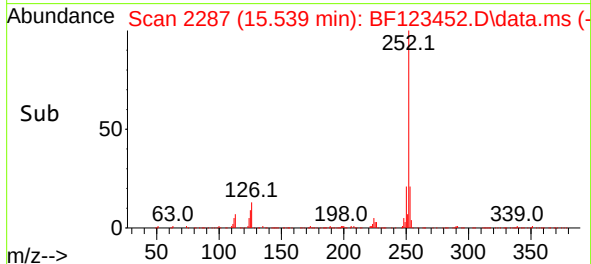
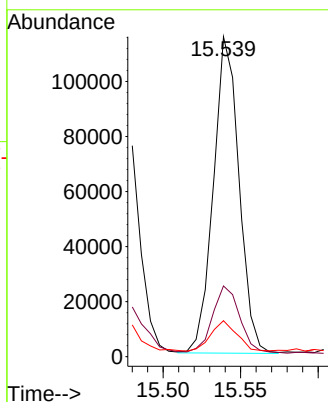
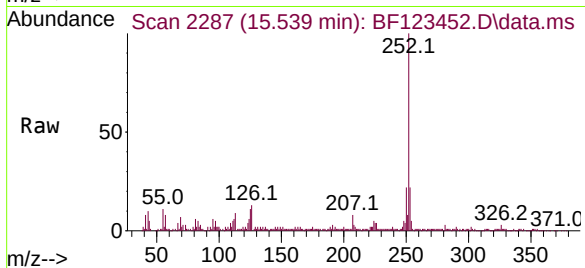
Tgt Ion:	252	Resp:	132303
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.5	26.3
125	11.3	8.6	12.8

Instrument :

BNA_F

ClientSampleId :

NB-08-032321



#92

Benzo(g,h,i)perylene

Concen: 4.32 ng

RT: 17.592 min Scan# 2636

Delta R.T. -0.006 min

Lab File: BF123452.D

Acq: 24 Mar 2021 22:06

Tgt Ion:	276	Resp:	87182
Ion Ratio	Lower	Upper	
276	100		
277	24.1	19.3	28.9
138	19.7	16.6	24.8

