

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062123\
 Data File : BF133873.D
 Acq On : 21 Jun 2023 16:20
 Operator : CG\JU
 Sample : 03335-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-7-061923

Quant Time: Jun 21 16:43:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 13:43:46 2023
 Response via : Initial Calibration

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

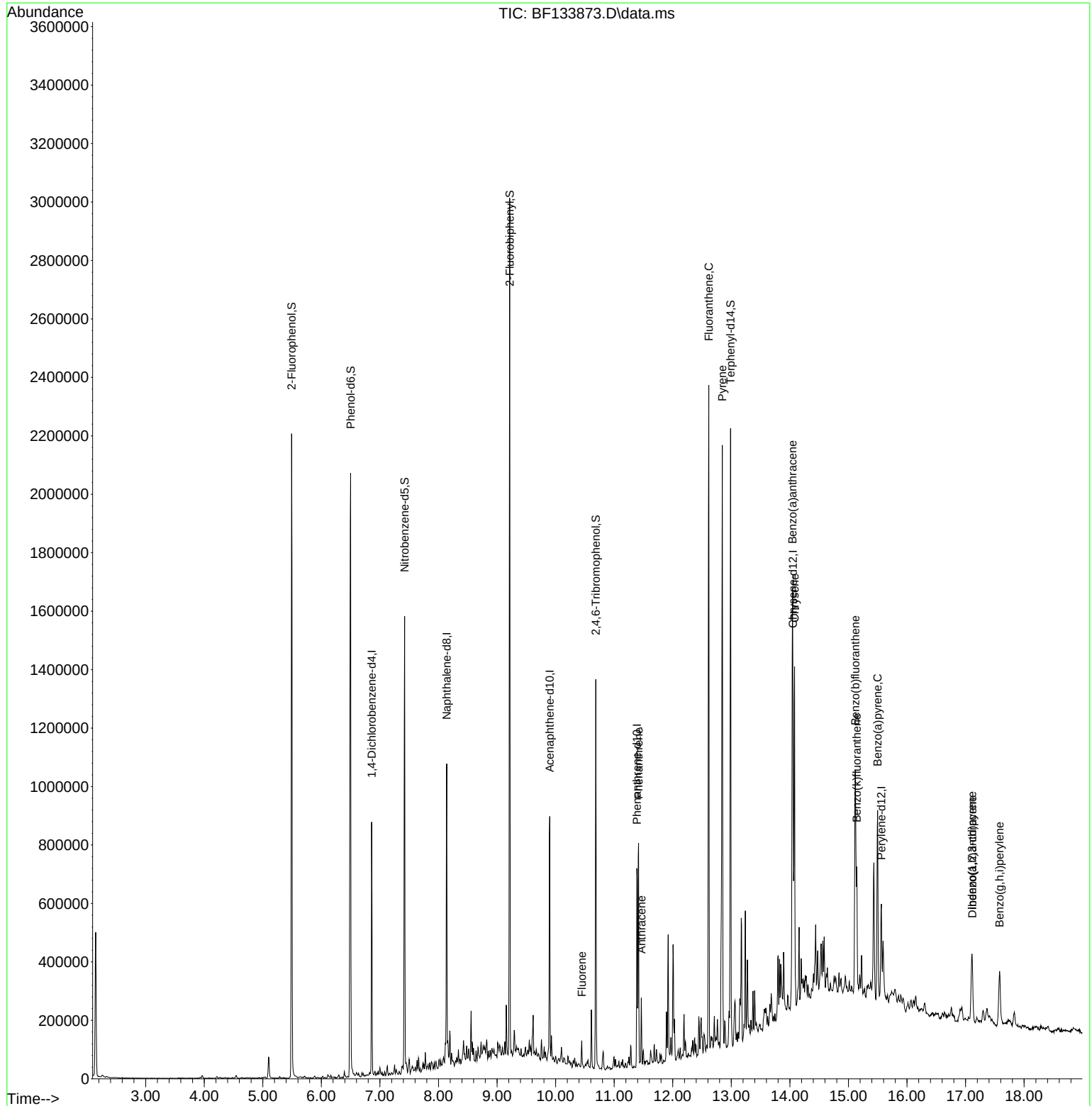
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	113446	20.000	ng	0.00
21) Naphthalene-d8	8.140	136	403638	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	165433	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	259240	20.000	ng	0.00
76) Chrysene-d12	14.051	240	211459	20.000	ng	0.00
86) Perylene-d12	15.563	264	160946	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	569618	87.411	ng	0.00
7) Phenol-d6	6.498	99	661536	77.990	ng	0.00
23) Nitrobenzene-d5	7.422	82	440804	59.482	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	139083	66.417	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	773083	66.429	ng	0.00
79) Terphenyl-d14	12.986	244	680748	49.814	ng	0.00
Target Compounds						
						Qvalue
58) Fluorene	10.445	166	23915	2.102	ng	96
71) Phenanthrene	11.416	178	281967	21.438	ng	99
72) Anthracene	11.463	178	80010	5.834	ng	97
75) Fluoranthene	12.616	202	901766	64.564	ng	100
78) Pyrene	12.845	202	860782	43.699	ng	99
81) Benzo(a)anthracene	14.045	228	512892	35.065	ng	96
83) Chrysene	14.080	228	478824	34.612	ng	98
87) Indeno(1,2,3-cd)pyrene	17.110	276	174573	15.766	ng	96
88) Benzo(b)fluoranthene	15.116	252	484249m	49.530	ng	
89) Benzo(k)fluoranthene	15.139	252	158746m	16.668	ng	
90) Benzo(a)pyrene	15.498	252	319418	35.203	ng	97
91) Dibenzo(a,h)anthracene	17.115	278	44201	4.822	ng	93
92) Benzo(g,h,i)perylene	17.580	276	165959	18.260	ng	97

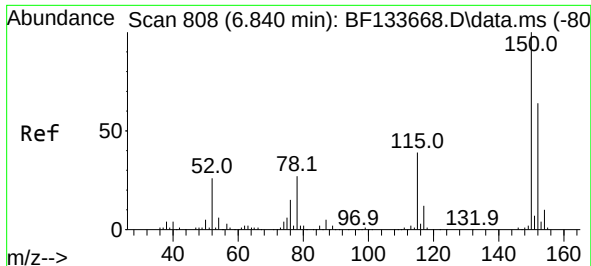
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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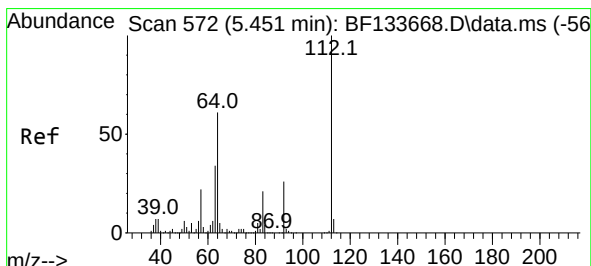
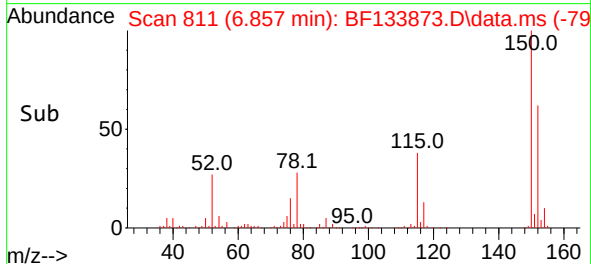
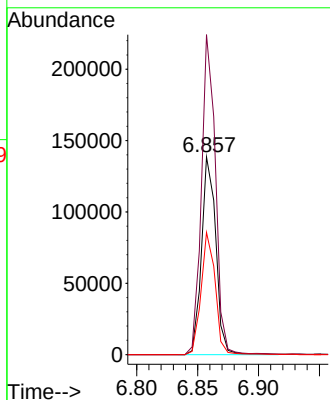
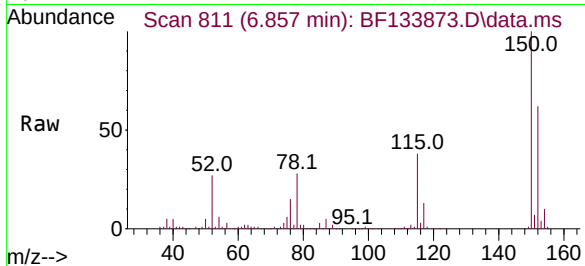




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF133873.D
Acq: 21 Jun 2023 16:20

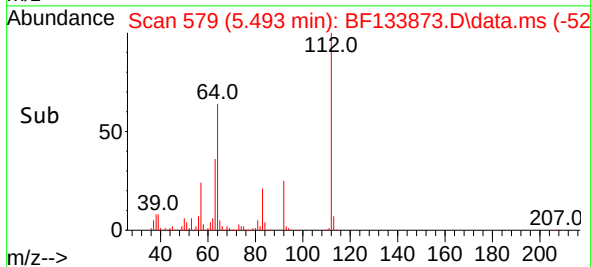
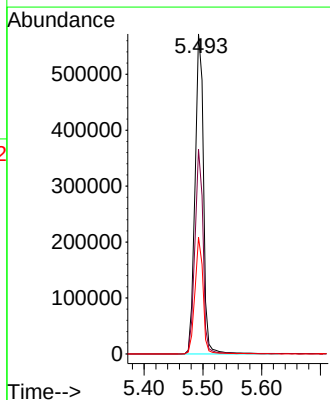
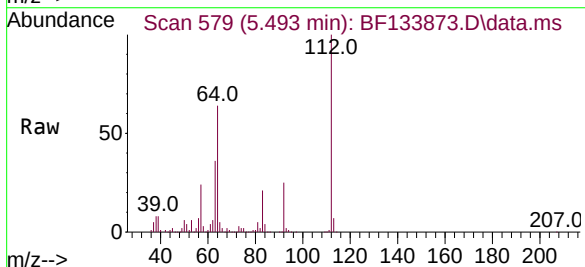
Instrument :
BNA_F
ClientSampleId :
NB-7-061923

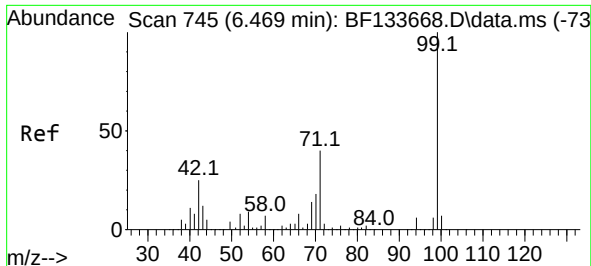
Tgt Ion:152 Resp: 113446
Ion Ratio Lower Upper
152 100
150 161.9 124.3 186.5
115 61.8 48.5 72.7



#5
2-Fluorophenol
Concen: 87.411 ng
RT: 5.493 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF133873.D
Acq: 21 Jun 2023 16:20

Tgt Ion:112 Resp: 569618
Ion Ratio Lower Upper
112 100
64 64.0 49.0 73.4
63 36.4 26.8 40.2

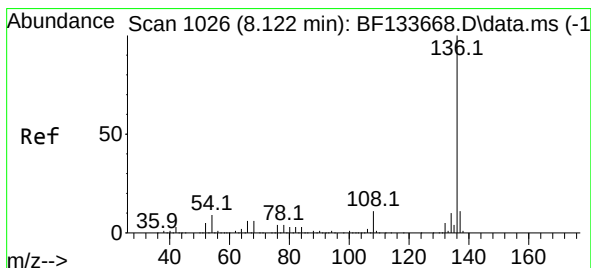
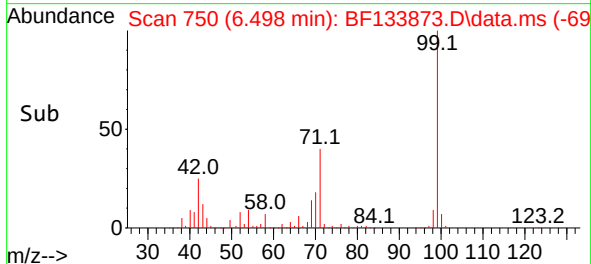
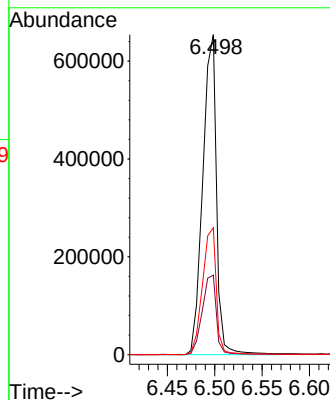
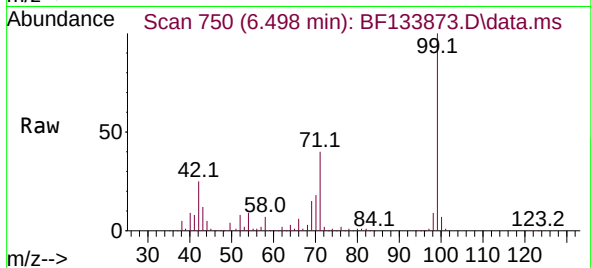




#7
Phenol-d6
Concen: 77.990 ng
RT: 6.498 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF133873.D
Acq: 21 Jun 2023 16:20

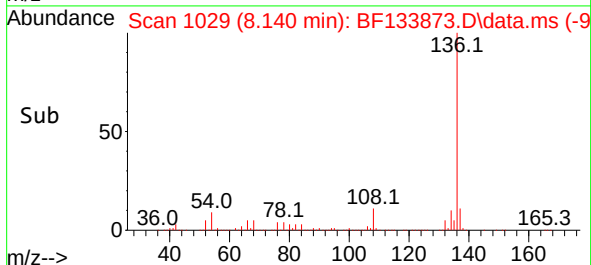
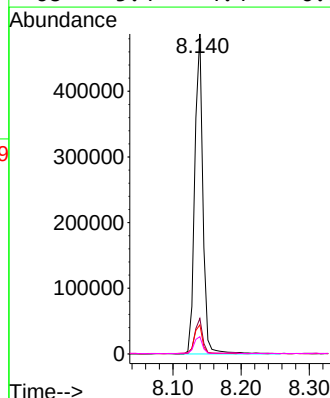
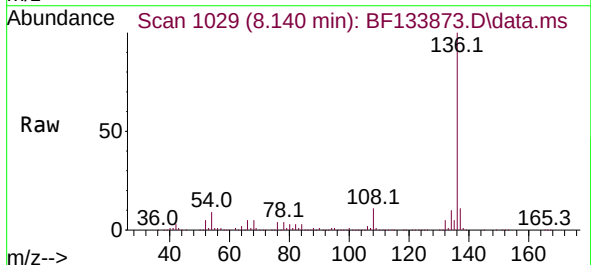
Instrument :
BNA_F
ClientSampleId :
NB-7-061923

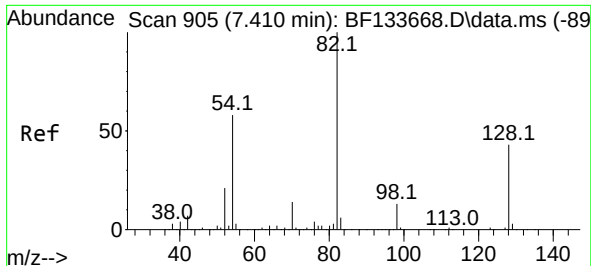
Tgt Ion: 99 Resp: 661536
Ion Ratio Lower Upper
99 100
42 24.8 19.9 29.9
71 39.6 32.2 48.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.140 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF133873.D
Acq: 21 Jun 2023 16:20

Tgt Ion:136 Resp: 403638
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 9.1 7.4 11.0
68 5.4 4.4 6.6





#23

Nitrobenzene-d5

Concen: 59.482 ng

RT: 7.422 min Scan# 905

Delta R.T. 0.000 min

Lab File: BF133873.D

Acq: 21 Jun 2023 16:20

Instrument :

BNA_F

ClientSampleId :

NB-7-061923

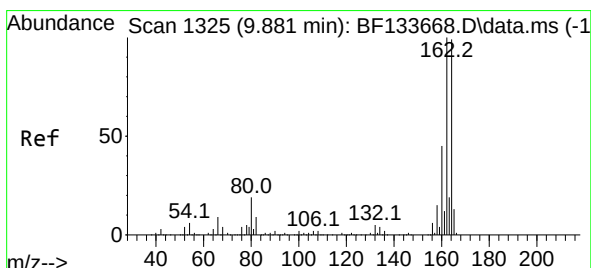
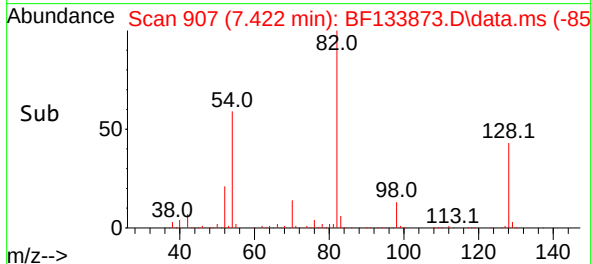
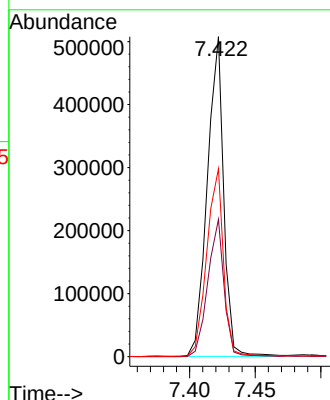
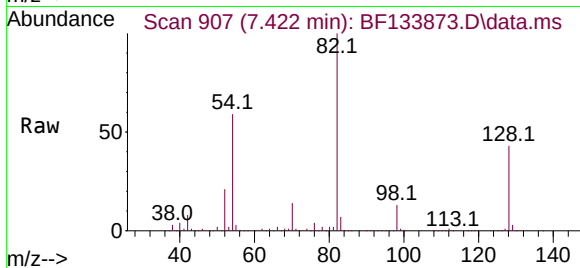
Tgt Ion: 82 Resp: 440804

Ion Ratio Lower Upper

82 100

128 42.9 34.2 51.2

54 58.7 46.5 69.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1328

Delta R.T. 0.000 min

Lab File: BF133873.D

Acq: 21 Jun 2023 16:20

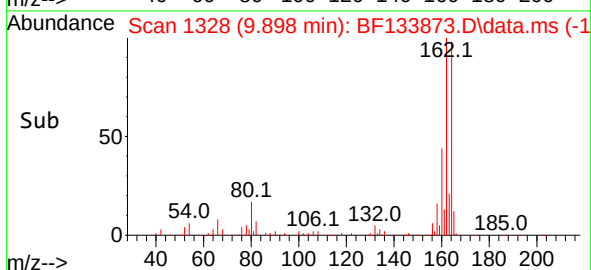
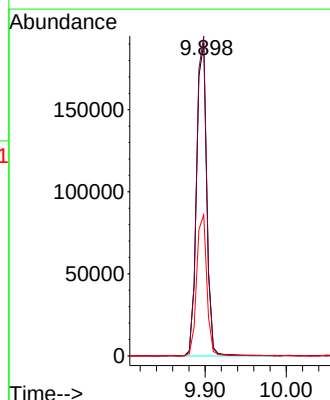
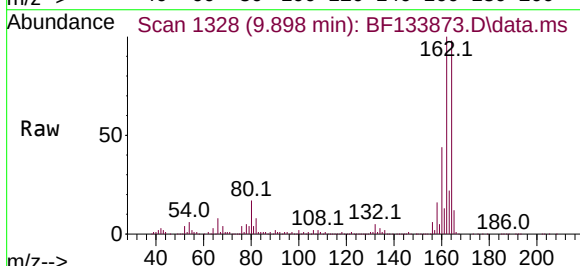
Tgt Ion:164 Resp: 165433

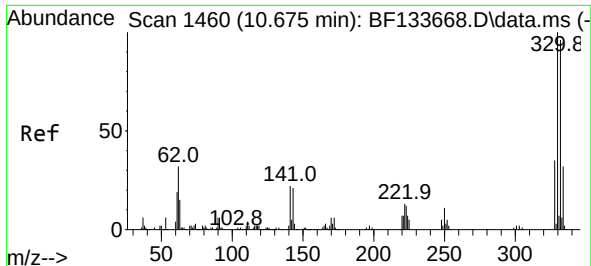
Ion Ratio Lower Upper

164 100

162 102.3 80.8 121.2

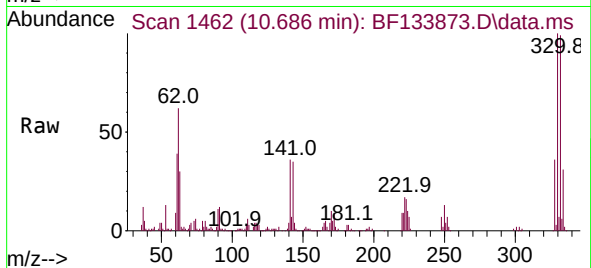
160 45.1 36.7 55.1



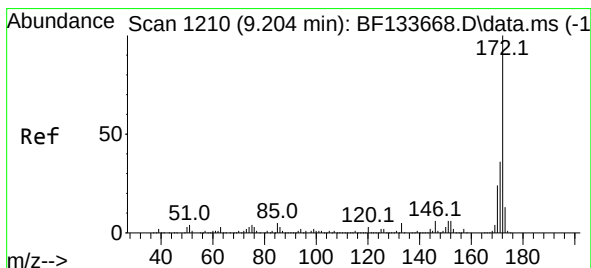
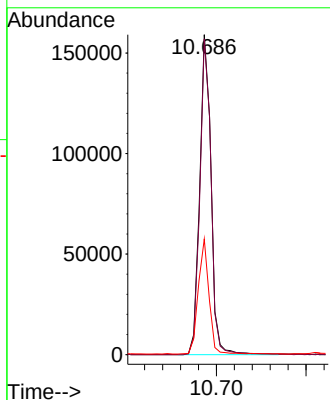
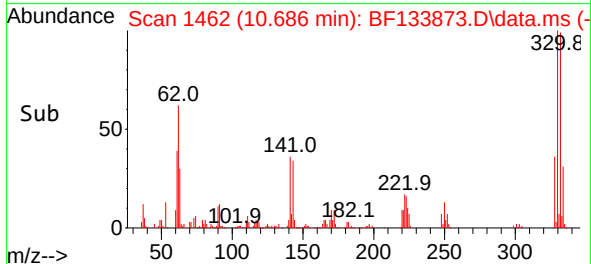


#42
2,4,6-Tribromophenol
Concen: 66.417 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF133873.D
Acq: 21 Jun 2023 16:20

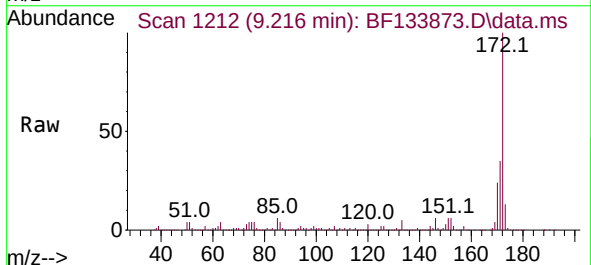
Instrument :
BNA_F
ClientSampleId :
NB-7-061923



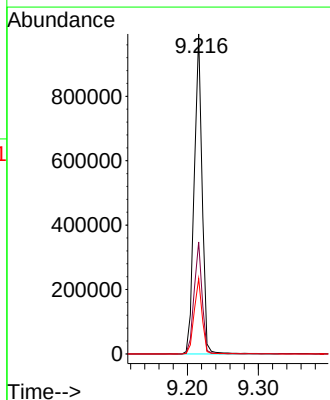
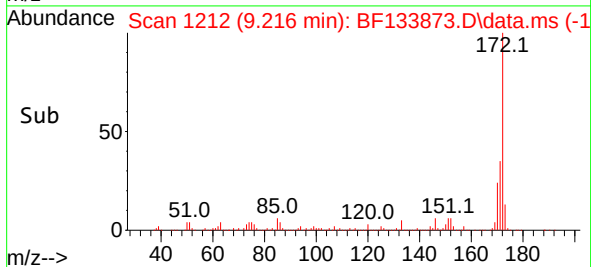
Tgt Ion:330 Resp: 139083
Ion Ratio Lower Upper
330 100
332 97.6 77.2 115.8
141 34.1 24.9 37.3

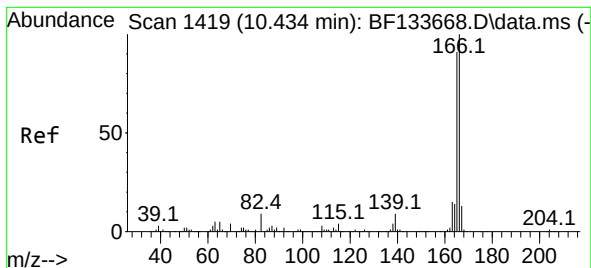


#45
2-Fluorobiphenyl
Concen: 66.429 ng
RT: 9.216 min Scan# 1212
Delta R.T. 0.000 min
Lab File: BF133873.D
Acq: 21 Jun 2023 16:20



Tgt Ion:172 Resp: 773083
Ion Ratio Lower Upper
172 100
171 35.0 28.6 43.0
170 23.5 19.1 28.7





#58

Fluorene

Concen: 2.102 ng

RT: 10.445 min Scan# 1419

Delta R.T. 0.000 min

Lab File: BF133873.D

Acq: 21 Jun 2023 16:20

Instrument :

BNA_F

ClientSampleId :

NB-7-061923

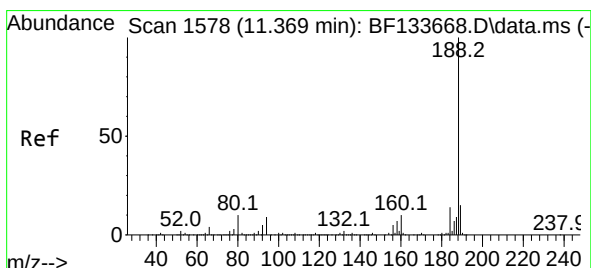
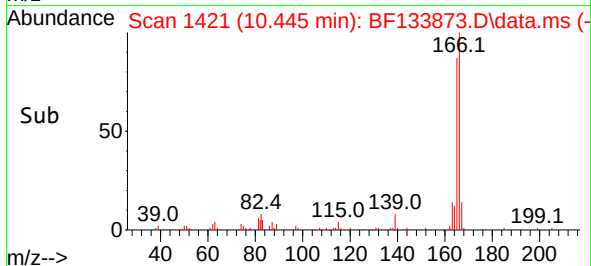
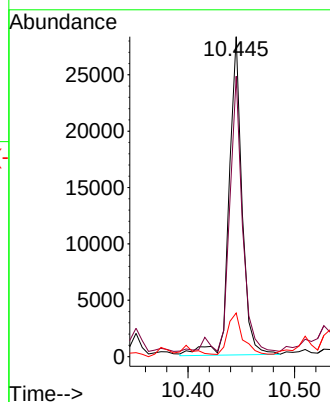
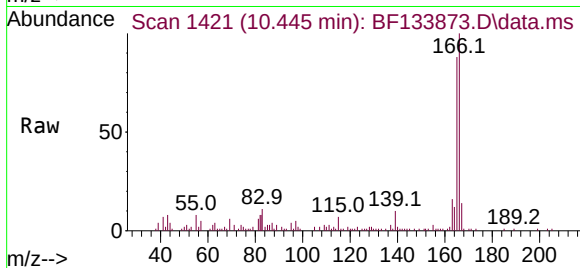
Tgt Ion:166 Resp: 23915

Ion Ratio Lower Upper

166 100

165 87.6 73.1 109.7

167 13.6 10.5 15.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1581

Delta R.T. 0.000 min

Lab File: BF133873.D

Acq: 21 Jun 2023 16:20

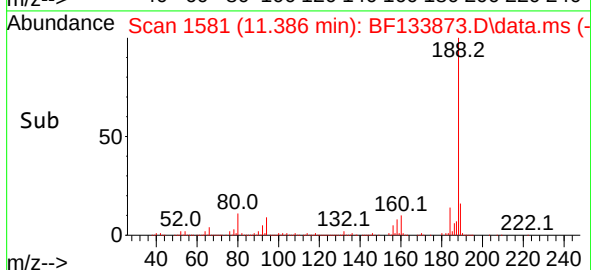
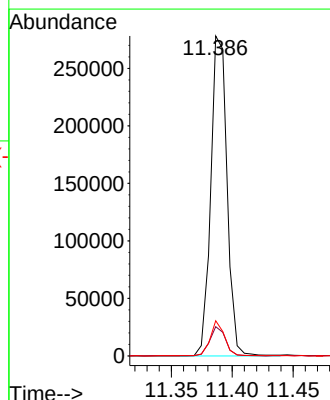
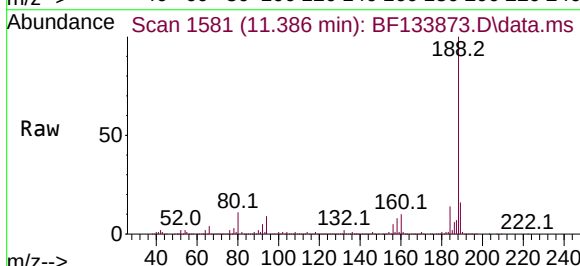
Tgt Ion:188 Resp: 259240

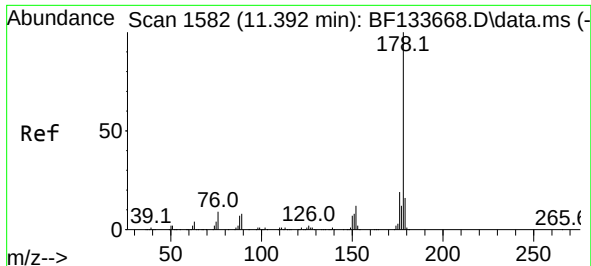
Ion Ratio Lower Upper

188 100

94 9.1 6.8 10.2

80 11.0 7.8 11.6

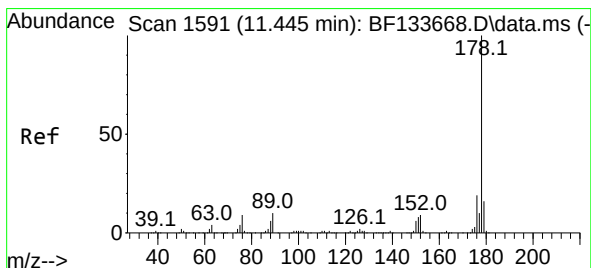
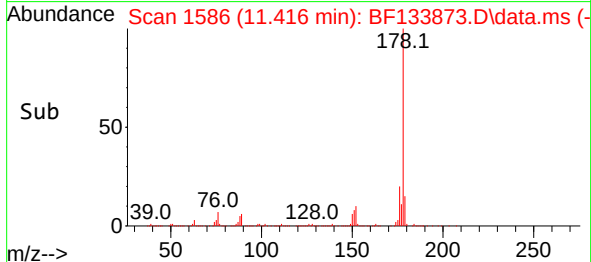
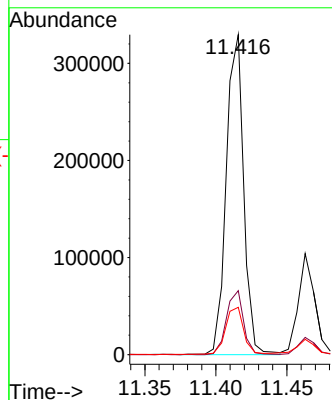
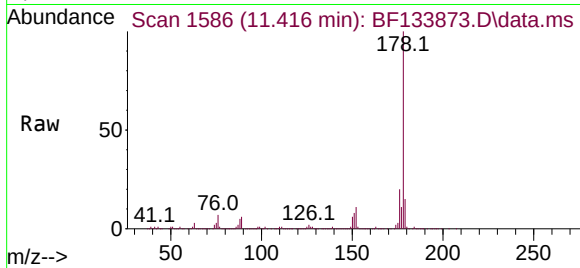




#71
Phenanthrene
Concen: 21.438 ng
RT: 11.416 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133873.D
Acq: 21 Jun 2023 16:20

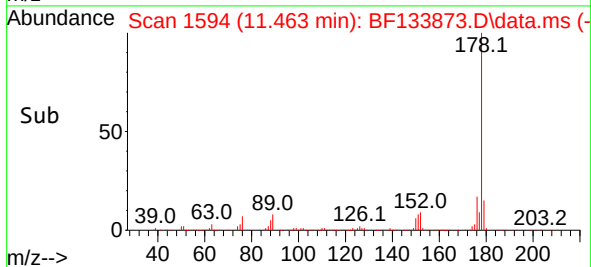
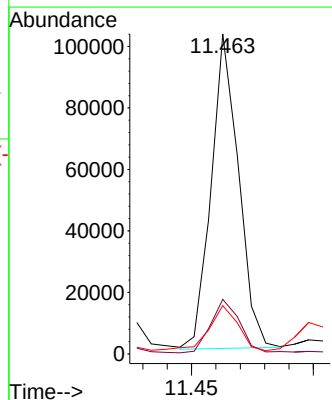
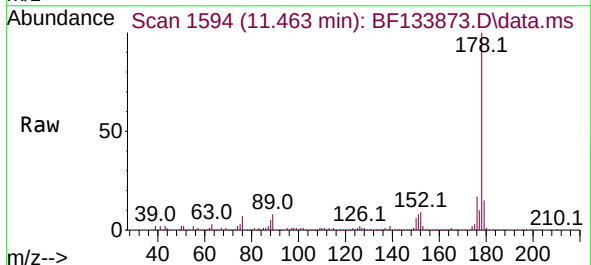
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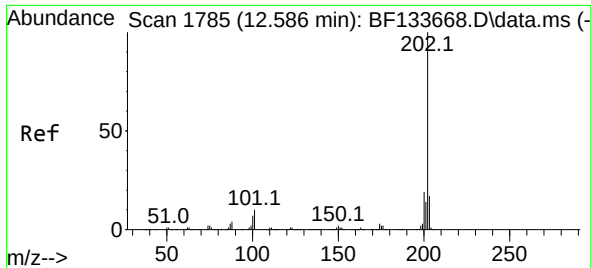
Tgt Ion:178 Resp: 281967
Ion Ratio Lower Upper
178 100
176 20.0 15.6 23.4
179 14.8 12.4 18.6



#72
Anthracene
Concen: 5.834 ng
RT: 11.463 min Scan# 1594
Delta R.T. -0.006 min
Lab File: BF133873.D
Acq: 21 Jun 2023 16:20

Tgt Ion:178 Resp: 80010
Ion Ratio Lower Upper
178 100
176 17.0 15.1 22.7
179 15.1 12.6 18.8

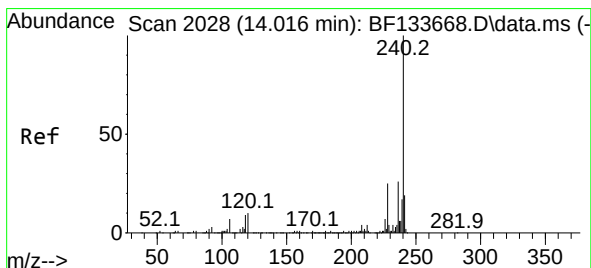
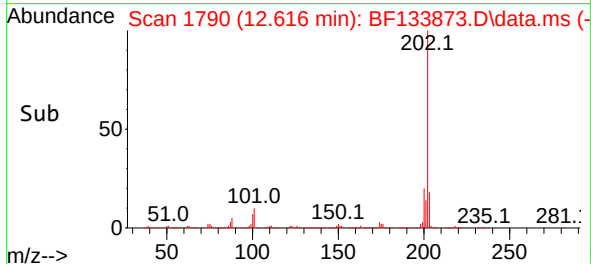
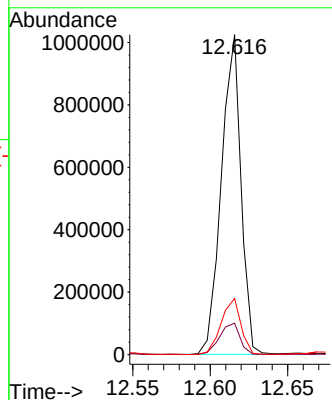
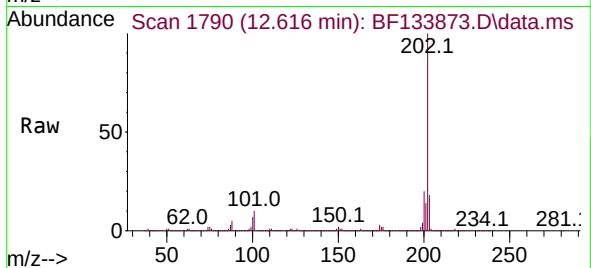




#75
Fluoranthene
Concen: 64.564 ng
RT: 12.616 min Scan# 1785
Delta R.T. 0.006 min
Lab File: BF133873.D
Acq: 21 Jun 2023 16:20

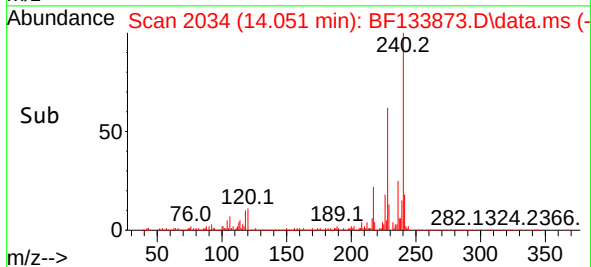
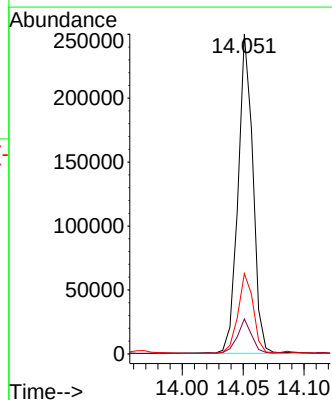
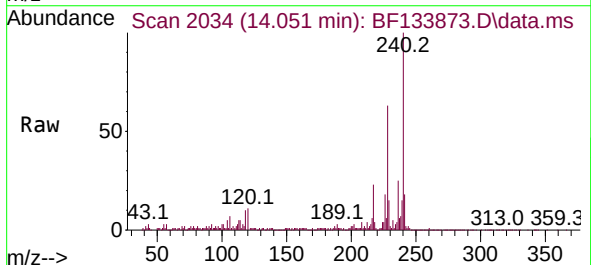
Instrument :
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NB-7-061923

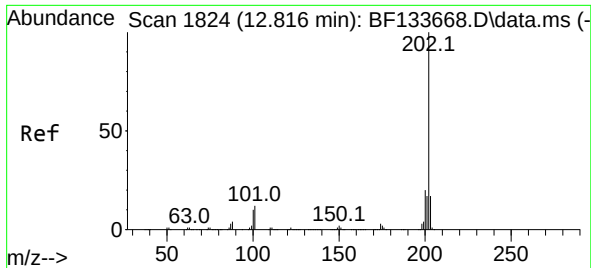
Tgt Ion:202 Resp: 901766
Ion Ratio Lower Upper
202 100
101 9.8 0.0 29.6
203 17.5 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF133873.D
Acq: 21 Jun 2023 16:20

Tgt Ion:240 Resp: 211459
Ion Ratio Lower Upper
240 100
120 10.9 8.1 12.1
236 25.1 20.5 30.7

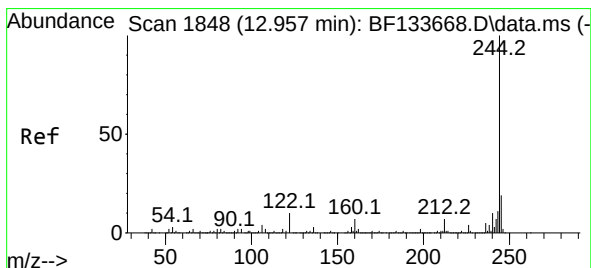
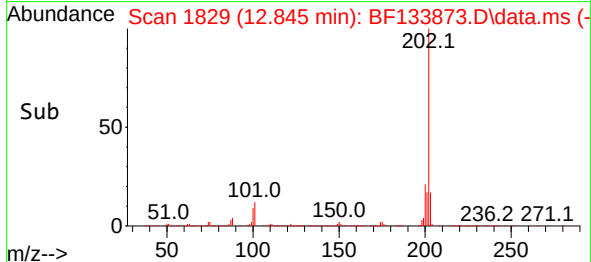
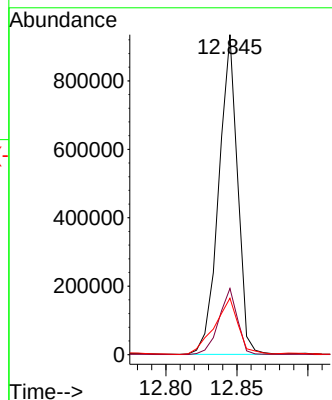
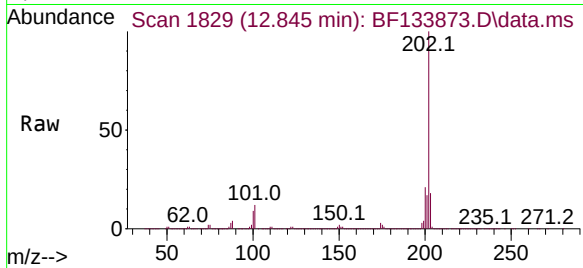




#78
Pyrene
Concen: 43.699 ng
RT: 12.845 min Scan# 1829
Delta R.T. 0.006 min
Lab File: BF133873.D
Acq: 21 Jun 2023 16:20

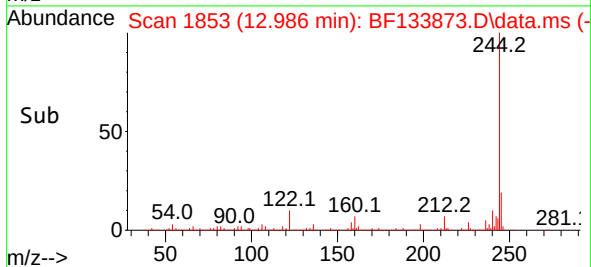
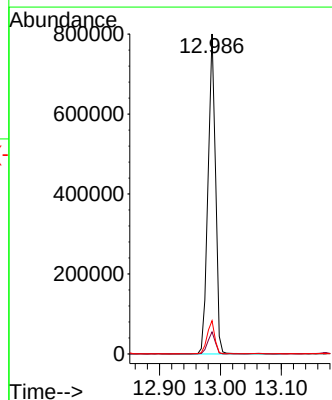
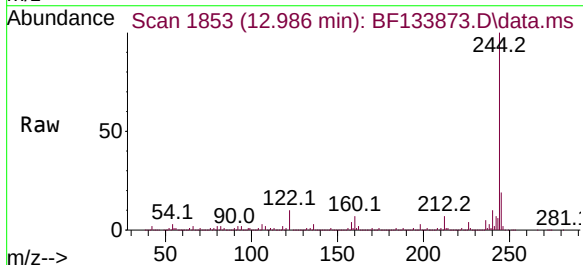
Instrument :
BNA_F
ClientSampleId :
NB-7-061923

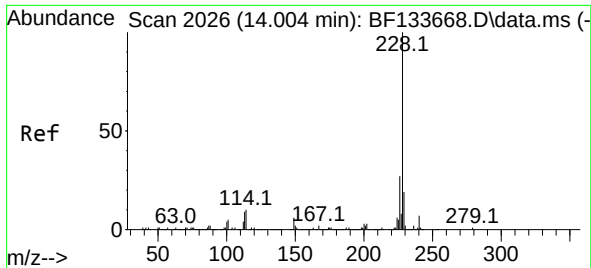
Tgt Ion:202 Resp: 860782
Ion Ratio Lower Upper
202 100
200 20.7 16.2 24.2
203 17.6 13.9 20.9



#79
Terphenyl-d14
Concen: 49.814 ng
RT: 12.986 min Scan# 1853
Delta R.T. 0.000 min
Lab File: BF133873.D
Acq: 21 Jun 2023 16:20

Tgt Ion:244 Resp: 680748
Ion Ratio Lower Upper
244 100
212 6.9 5.4 8.2
122 10.4 8.1 12.1

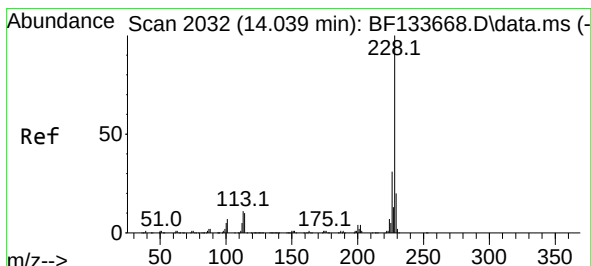
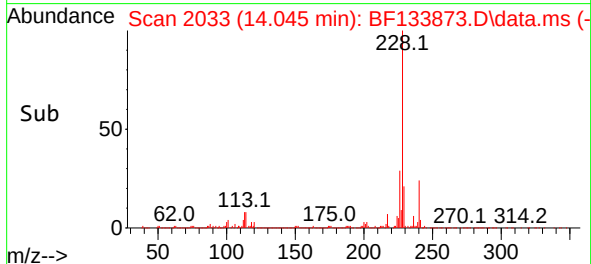
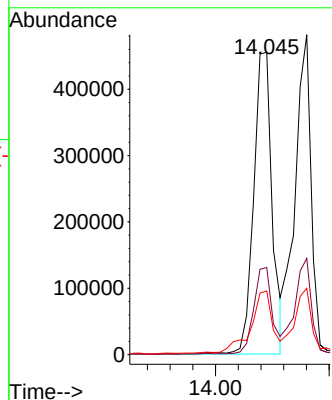
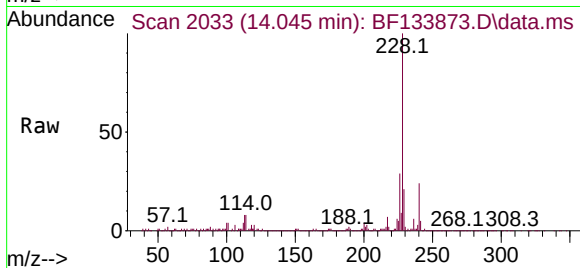




#81
Benzo(a)anthracene
Concen: 35.065 ng
RT: 14.045 min Scan# 20
Delta R.T. 0.012 min
Lab File: BF133873.D
Acq: 21 Jun 2023 16:20

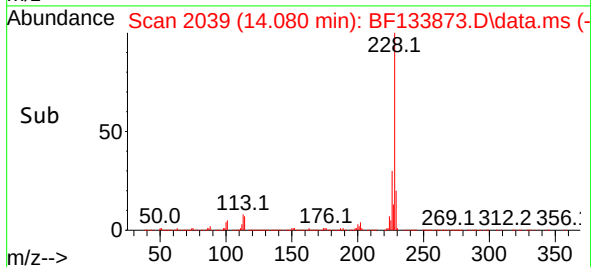
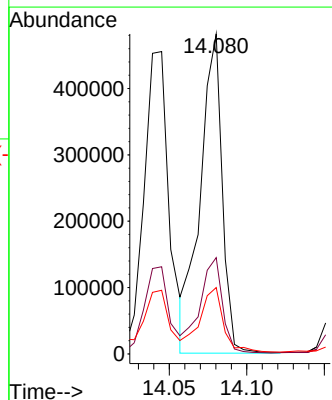
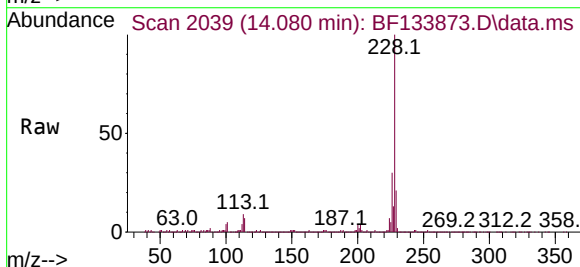
Instrument :
BNA_F
ClientSampleId :
NB-7-061923

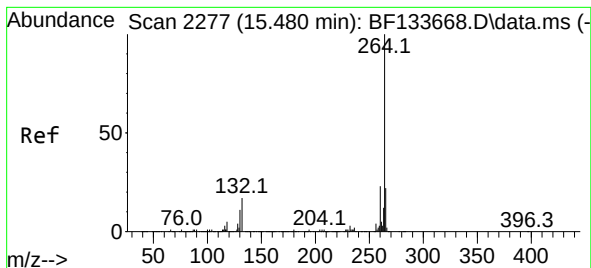
Tgt Ion:228 Resp: 512892
Ion Ratio Lower Upper
228 100
226 28.8 21.7 32.5
229 21.0 15.4 23.2



#83
Chrysene
Concen: 34.612 ng
RT: 14.080 min Scan# 2039
Delta R.T. 0.006 min
Lab File: BF133873.D
Acq: 21 Jun 2023 16:20

Tgt Ion:228 Resp: 478824
Ion Ratio Lower Upper
228 100
226 30.1 25.0 37.6
229 20.7 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.563 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF133873.D

Acq: 21 Jun 2023 16:20

Instrument :

BNA_F

ClientSampleId :

NB-7-061923

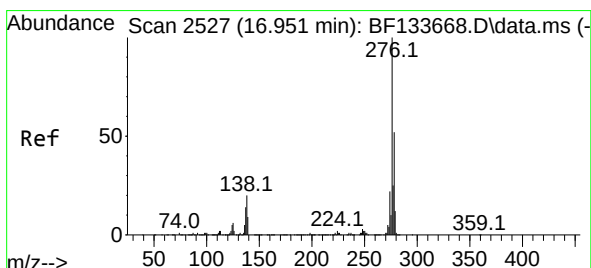
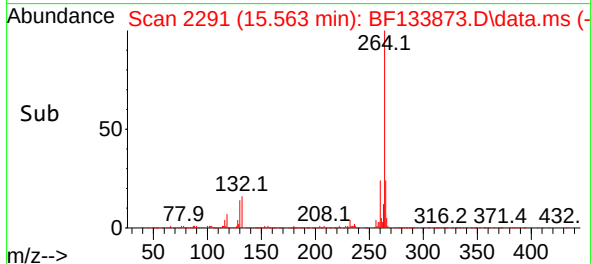
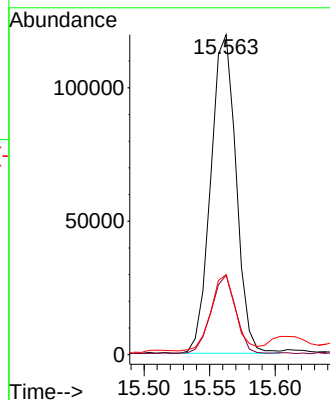
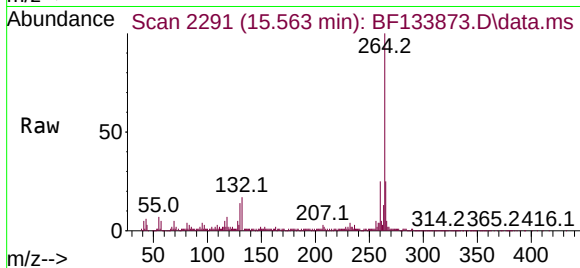
Tgt Ion:264 Resp: 160946

Ion Ratio Lower Upper

264 100

260 24.8 18.2 27.2

265 25.0 17.8 26.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 15.766 ng

RT: 17.110 min Scan# 2554

Delta R.T. 0.012 min

Lab File: BF133873.D

Acq: 21 Jun 2023 16:20

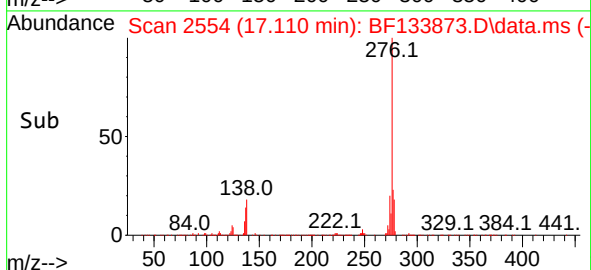
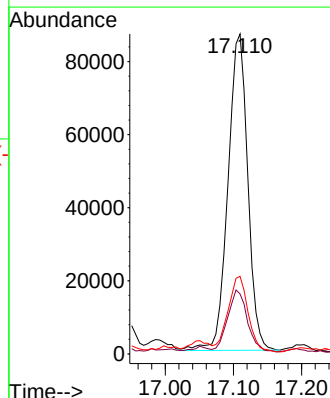
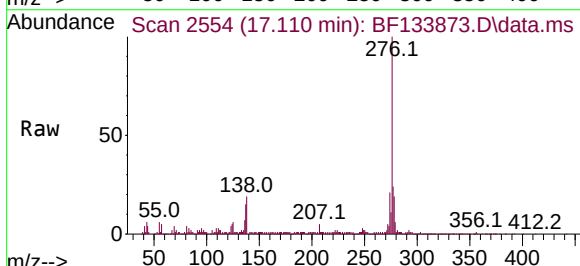
Tgt Ion:276 Resp: 174573

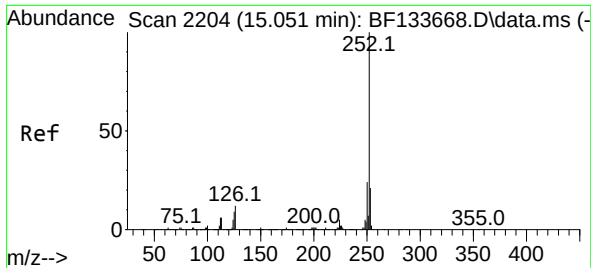
Ion Ratio Lower Upper

276 100

138 19.3 17.9 26.9

277 24.3 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 49.530 ng m

RT: 15.116 min Scan# 2215

Delta R.T. 0.012 min

Lab File: BF133873.D

Acq: 21 Jun 2023 16:20

Instrument :

BNA_F

ClientSampleId :

NB-7-061923

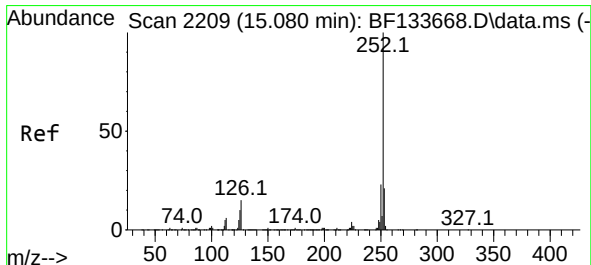
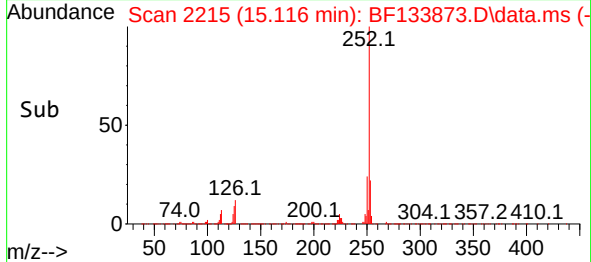
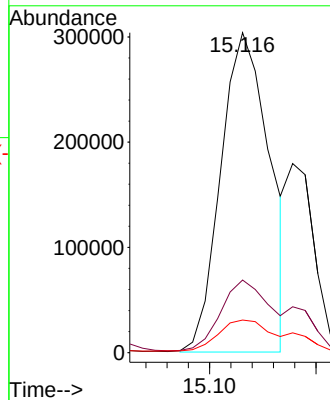
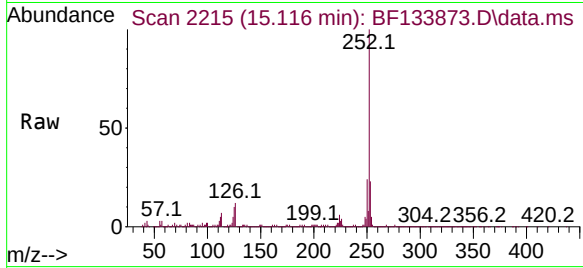
Tgt Ion:252 Resp: 484249

Ion Ratio Lower Upper

252 100

253 22.7 17.0 25.6

125 10.2 7.3 10.9



#89

Benzo(k)fluoranthene

Concen: 16.668 ng m

RT: 15.139 min Scan# 2219

Delta R.T. 0.006 min

Lab File: BF133873.D

Acq: 21 Jun 2023 16:20

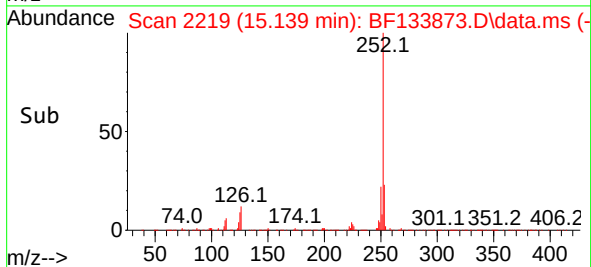
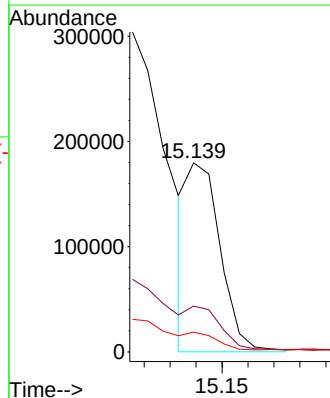
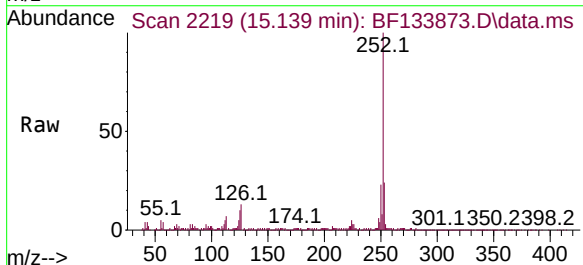
Tgt Ion:252 Resp: 158746

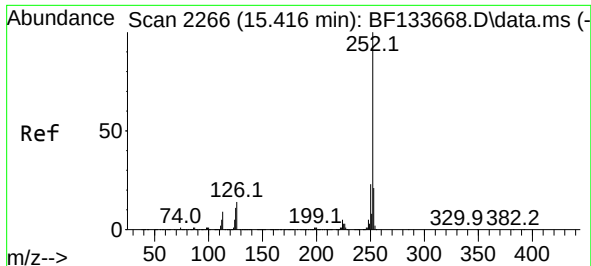
Ion Ratio Lower Upper

252 100

253 24.3 17.0 25.4

125 10.5 7.8 11.6

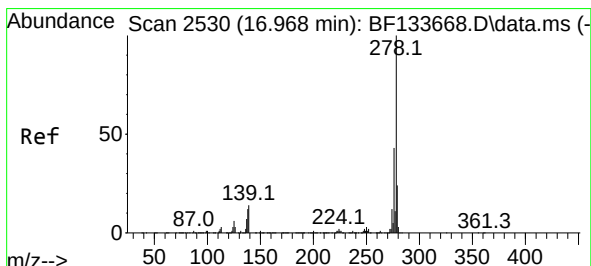
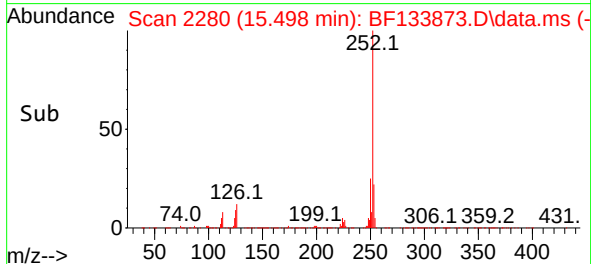
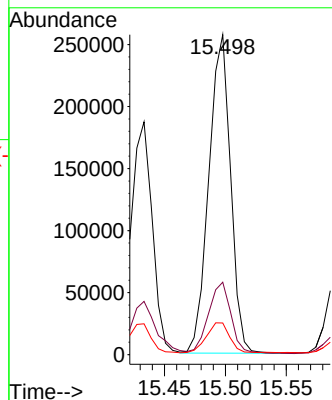
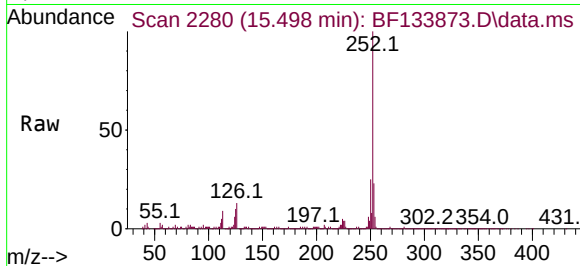




#90
Benzo(a)pyrene
Concen: 35.203 ng
RT: 15.498 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF133873.D
Acq: 21 Jun 2023 16:20

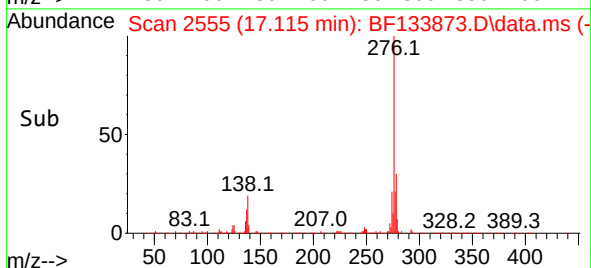
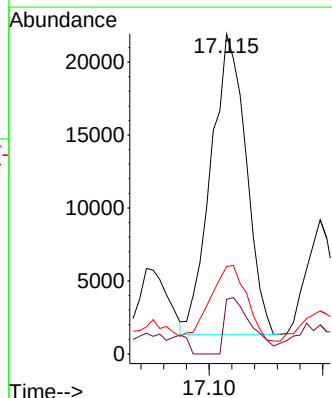
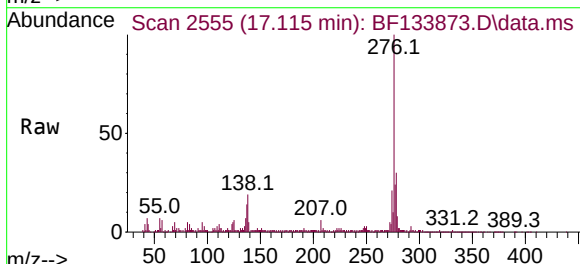
Instrument :
BNA_F
ClientSampleId :
NB-7-061923

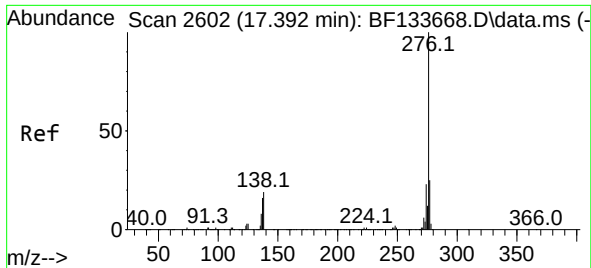
Tgt Ion:252 Resp: 319418
Ion Ratio Lower Upper
252 100
253 22.6 17.1 25.7
125 9.9 8.6 13.0



#91
Dibenzo(a,h)anthracene
Concen: 4.822 ng
RT: 17.115 min Scan# 2555
Delta R.T. -0.006 min
Lab File: BF133873.D
Acq: 21 Jun 2023 16:20

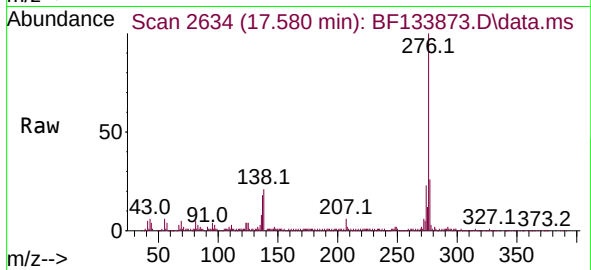
Tgt Ion:278 Resp: 44201
Ion Ratio Lower Upper
278 100
139 17.1 11.4 17.2
279 27.3 19.0 28.4





#92
 Benzo(g,h,i)perylene
 Concen: 18.260 ng
 RT: 17.580 min Scan# 2602
 Delta R.T. 0.006 min
 Lab File: BF133873.D
 Acq: 21 Jun 2023 16:20

Instrument :
 BNA_F
 ClientSampleId :
 NB-7-061923



Tgt Ion:276 Resp: 165959
 Ion Ratio Lower Upper
 276 100
 277 25.5 19.8 29.8
 138 20.6 15.0 22.4

