

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061923\
 Data File : BF133835.D
 Acq On : 19 Jun 2023 15:56
 Operator : CG\JU
 Sample : 03279-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 20 01:33:02 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 19 16:00:59 2023
 Response via : Initial Calibration

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

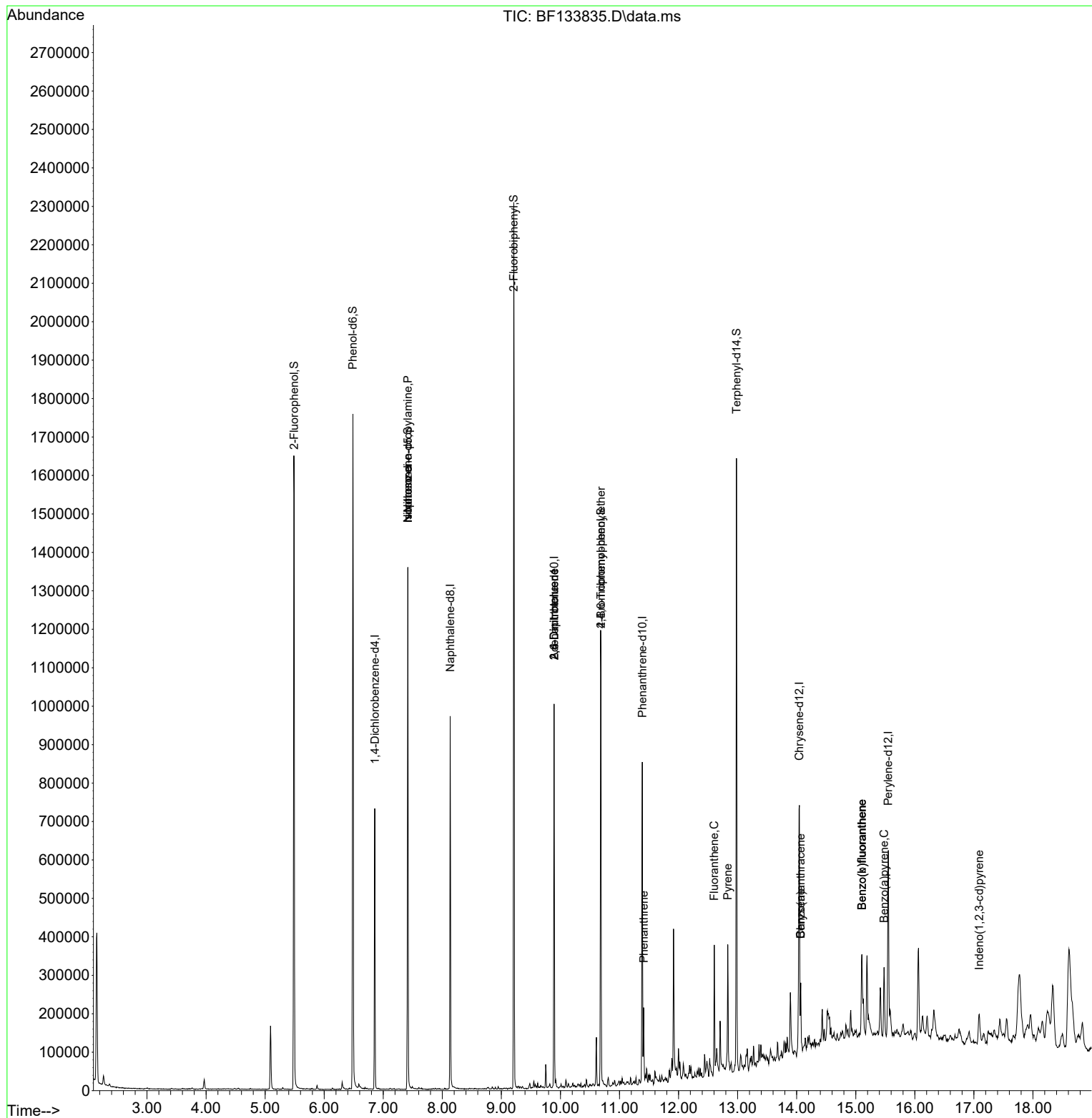
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	96142	20.000	ng	0.00
21) Naphthalene-d8	8.133	136	365850	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	172757	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	285689	20.000	ng	0.00
76) Chrysene-d12	14.045	240	199179	20.000	ng	0.00
86) Perylene-d12	15.551	264	231249	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	438510	79.404	ng	0.00
7) Phenol-d6	6.487	99	521053	72.484	ng	-0.01
23) Nitrobenzene-d5	7.416	82	356398	53.060	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	136933	62.618	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	648746	53.381	ng	-0.01
79) Terphenyl-d14	12.980	244	495392	38.485	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.416	70	50973	11.145	ng	# 80
25) Isophorone	7.416	82	356392	28.901	ng	# 65
51) 2,6-Dinitrotoluene	9.892	165	21922	8.236	ng	# 28
57) 2,4-Dinitrotoluene	9.892	165	21922	6.476	ng	# 19
67) 4-Bromophenyl-phenylether	10.686	248	8531	2.675	ng	# 1
71) Phenanthrene	11.410	178	55478	3.828	ng	98
75) Fluoranthene	12.604	202	119548	7.767	ng	98
78) Pyrene	12.833	202	127748	6.885	ng	98
81) Benzo(a)anthracene	14.068	228	66669	4.839	ng	95
83) Chrysene	14.068	228	66669	5.116	ng	97
87) Indeno(1,2,3-cd)pyrene	17.092	276	54444	3.422	ng	99
88) Benzo(b)fluoranthene	15.104	252	151925	10.815	ng	98
89) Benzo(k)fluoranthene	15.104	252	151925	11.103	ng	98
90) Benzo(a)pyrene	15.480	252	82490	6.327	ng	96

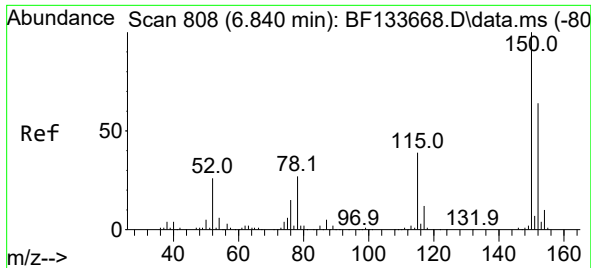
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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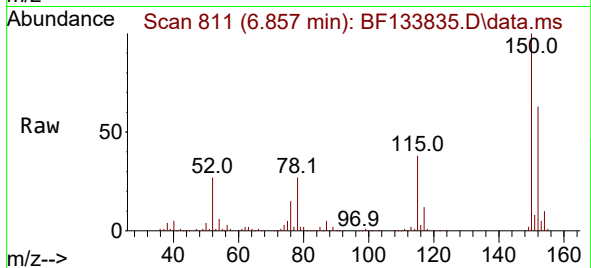
Quant Time: Jun 20 01:33:02 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 19 16:00:59 2023
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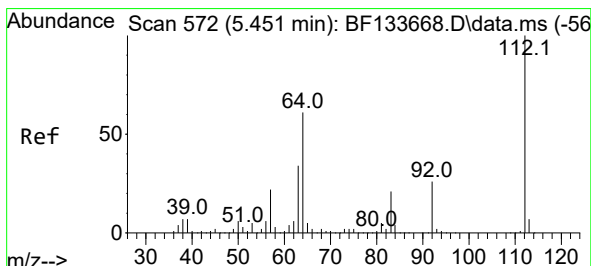
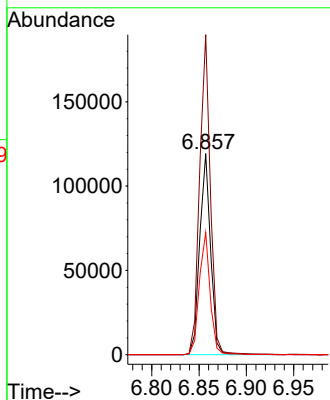
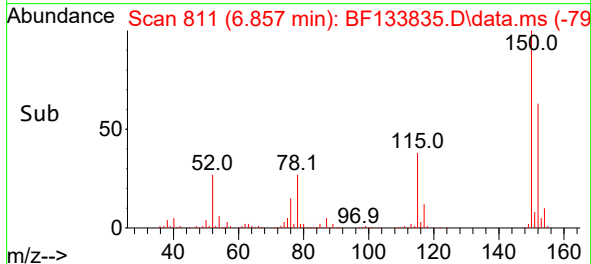


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF133835.D
Acq: 19 Jun 2023 15:56

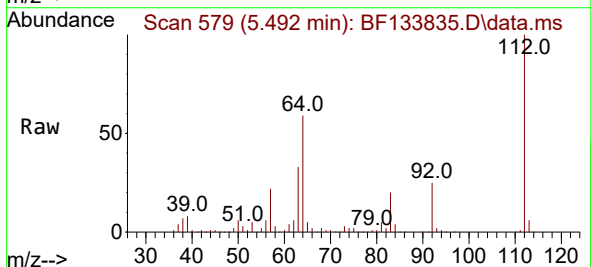
Instrument :
BNA_F
ClientSampleId :



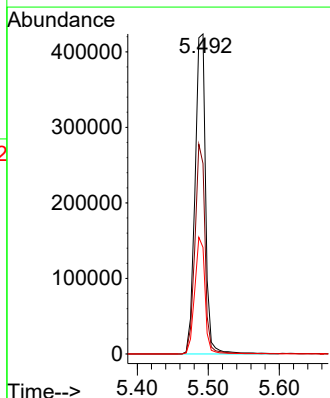
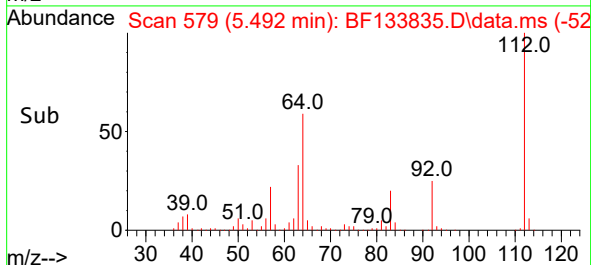
Tgt Ion:152 Resp: 96142
Ion Ratio Lower Upper
152 100
150 159.2 124.3 186.5
115 60.8 48.5 72.7

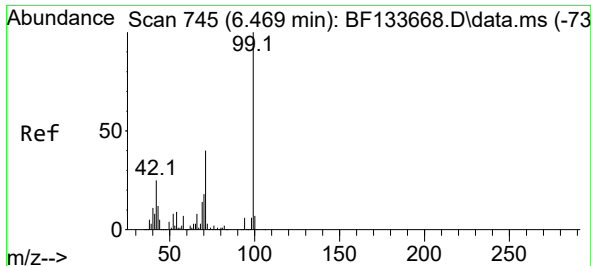


#5
2-Fluorophenol
Concen: 79.404 ng
RT: 5.492 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF133835.D
Acq: 19 Jun 2023 15:56



Tgt Ion:112 Resp: 438510
Ion Ratio Lower Upper
112 100
64 59.5 49.0 73.4
63 33.3 26.8 40.2

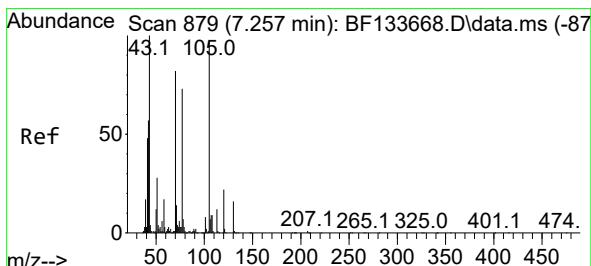
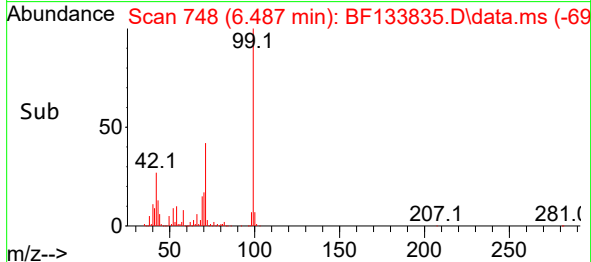
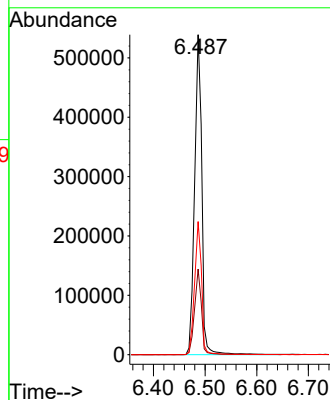
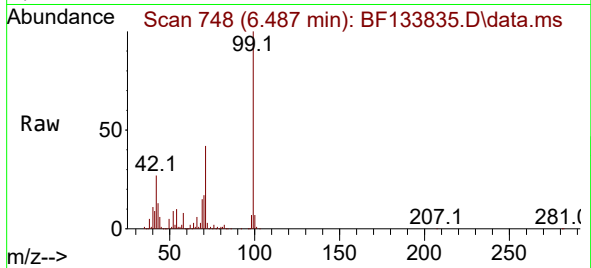




#7
Phenol-d6
Concen: 72.484 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF133835.D
Acq: 19 Jun 2023 15:56

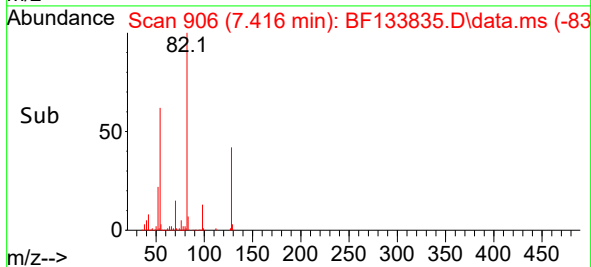
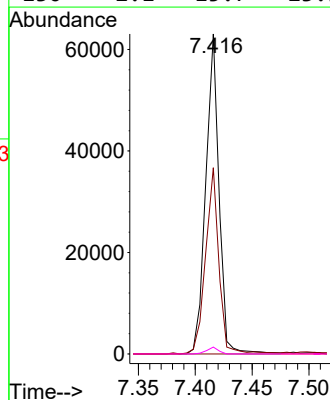
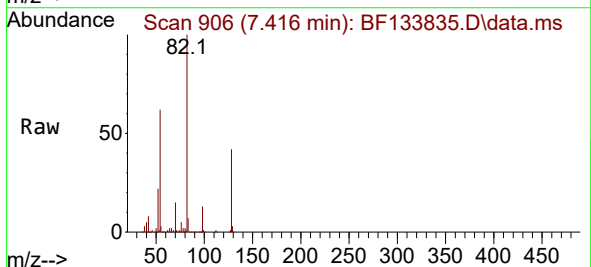
Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 521053
Ion Ratio Lower Upper
99 100
42 26.7 19.9 29.9
71 41.6 32.2 48.4



#19
n-Nitroso-di-n-propylamine
Concen: 11.145 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.141 min
Lab File: BF133835.D
Acq: 19 Jun 2023 15:56

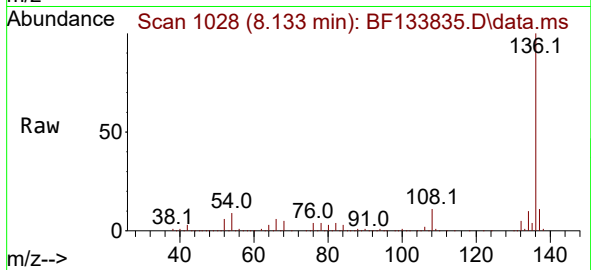
Tgt Ion: 70 Resp: 50973
Ion Ratio Lower Upper
70 100
42 58.2 55.8 83.8
101 0.0 8.1 12.1#
130 2.1 15.7 23.5#



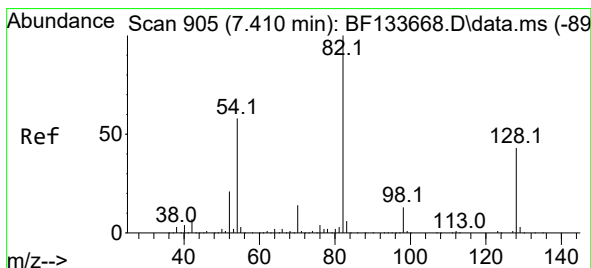
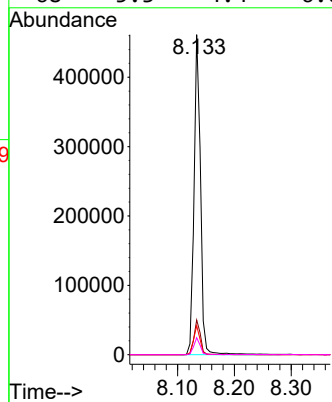
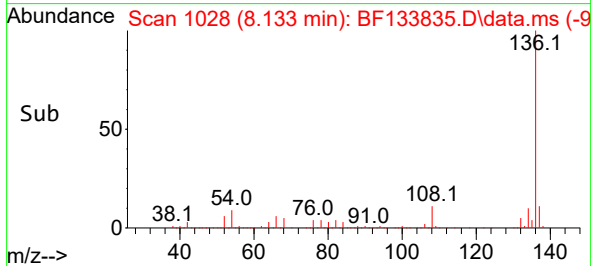


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.133 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF133835.D
Acq: 19 Jun 2023 15:56

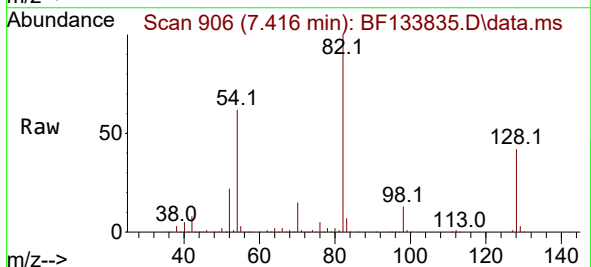
Instrument :
BNA_F
ClientSampleId :



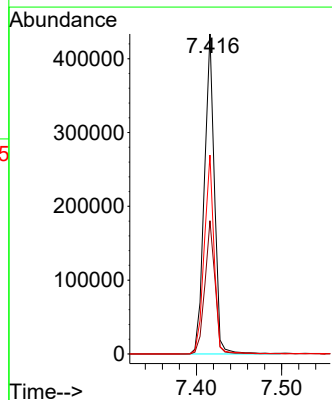
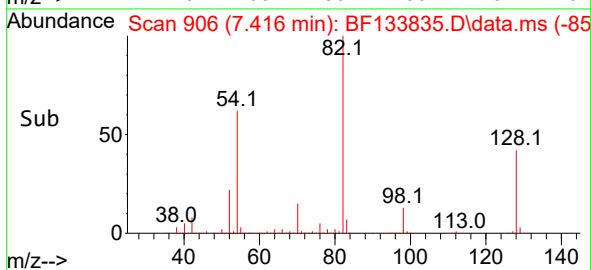
Tgt Ion:136 Resp: 365850
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 9.1 7.4 11.0
68 5.3 4.4 6.6

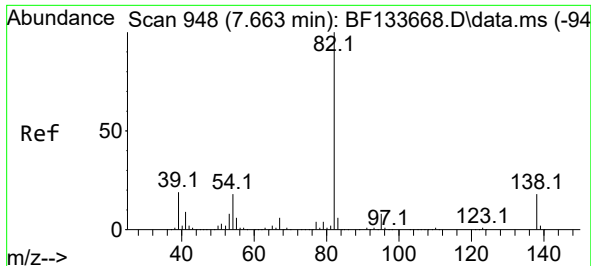


#23
Nitrobenzene-d5
Concen: 53.060 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.012 min
Lab File: BF133835.D
Acq: 19 Jun 2023 15:56



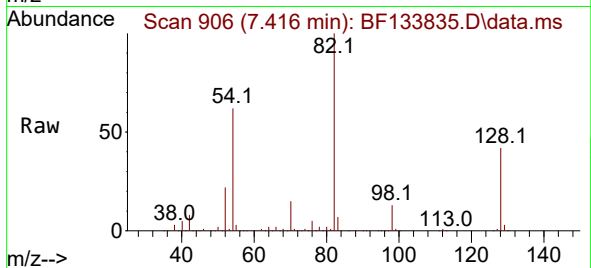
Tgt Ion: 82 Resp: 356398
Ion Ratio Lower Upper
82 100
128 41.6 34.2 51.2
54 62.2 46.5 69.7



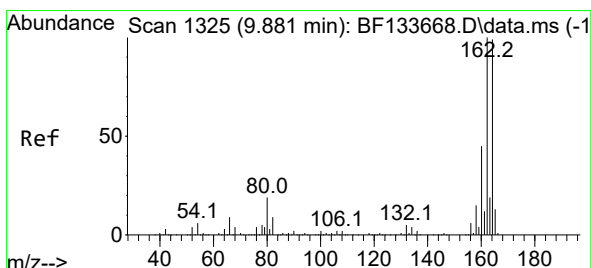
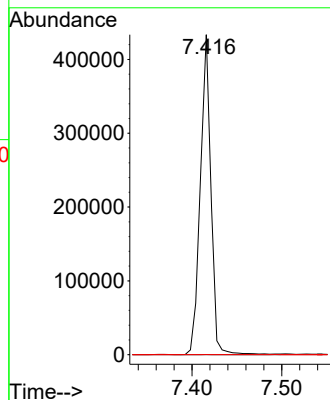
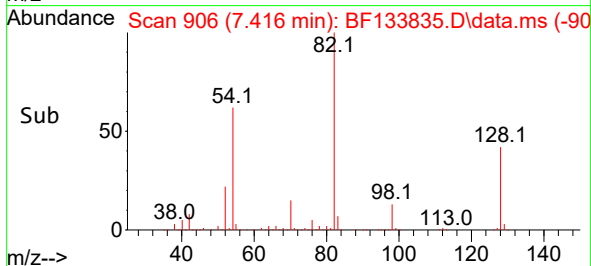


#25
Isophorone
Concen: 28.901 ng
RT: 7.416 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF133835.D
Acq: 19 Jun 2023 15:56

Instrument :
BNA_F
ClientSampleId :

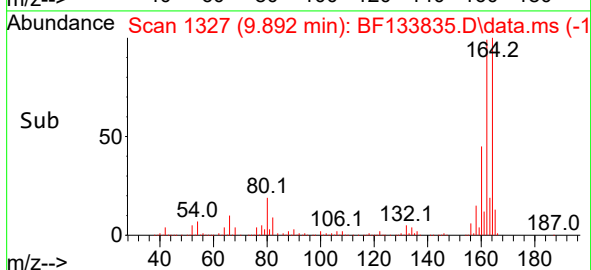
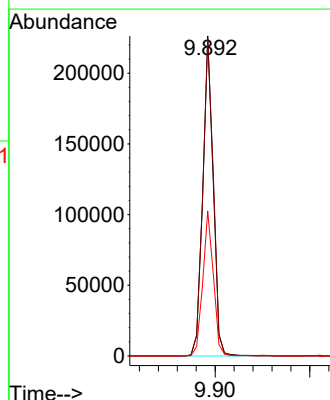
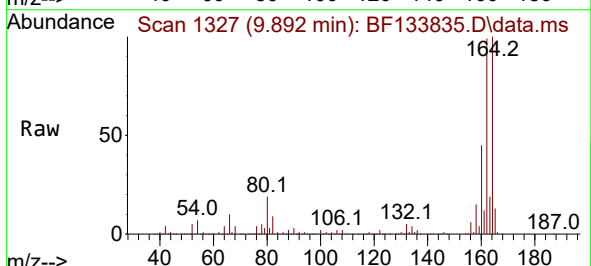


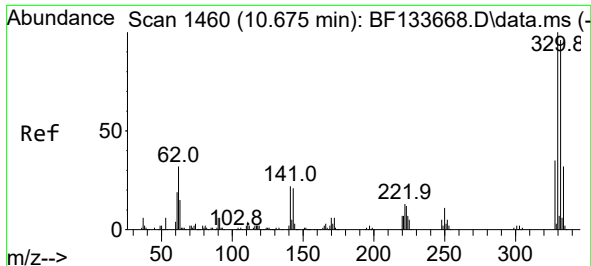
Tgt Ion: 82 Resp: 356392
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF133835.D
Acq: 19 Jun 2023 15:56

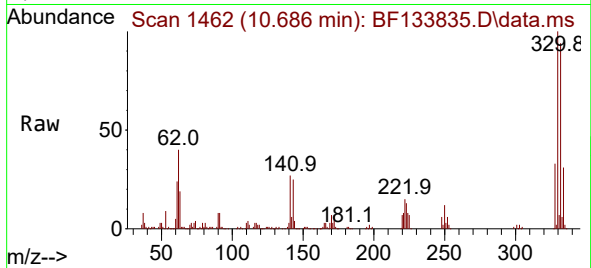
Tgt Ion: 164 Resp: 172757
Ion Ratio Lower Upper
164 100
162 99.1 80.8 121.2
160 45.3 36.7 55.1



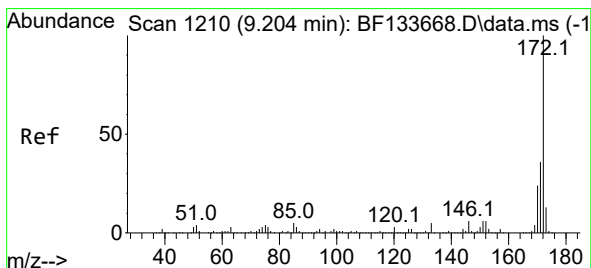
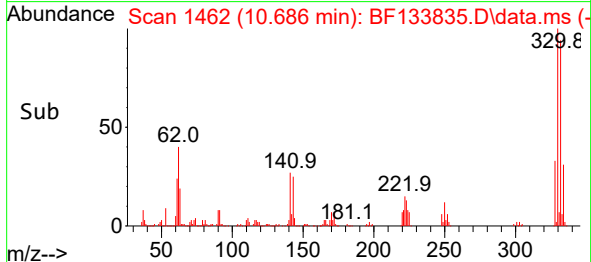
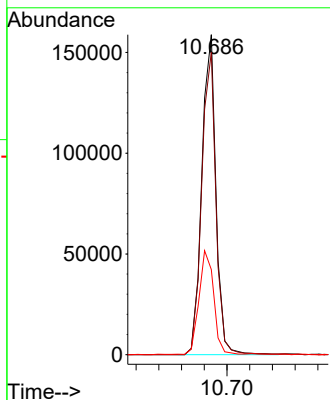


#42
2,4,6-Tribromophenol
Concen: 62.618 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF133835.D
Acq: 19 Jun 2023 15:56

Instrument :
BNA_F
ClientSampleId :

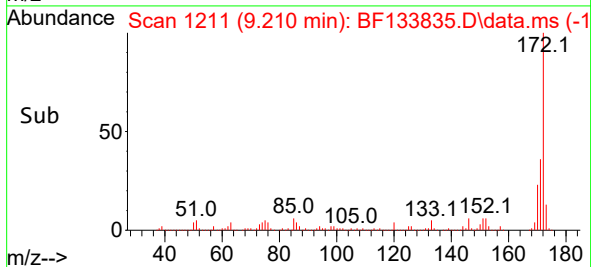
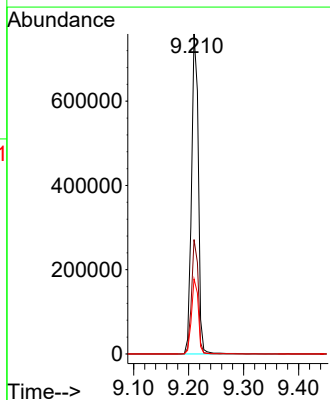
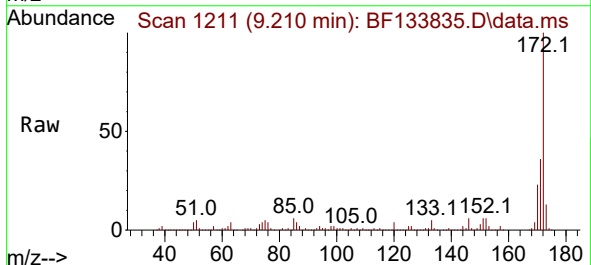


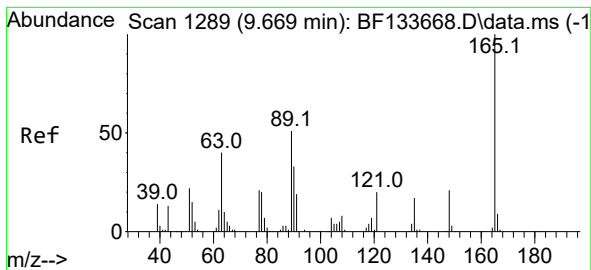
Tgt Ion:330 Resp: 136933
Ion Ratio Lower Upper
330 100
332 95.1 77.2 115.8
141 34.2 24.9 37.3



#45
2-Fluorobiphenyl
Concen: 53.381 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.012 min
Lab File: BF133835.D
Acq: 19 Jun 2023 15:56

Tgt Ion:172 Resp: 648746
Ion Ratio Lower Upper
172 100
171 35.7 28.6 43.0
170 23.4 19.1 28.7

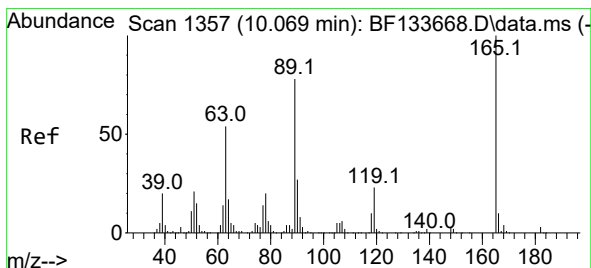
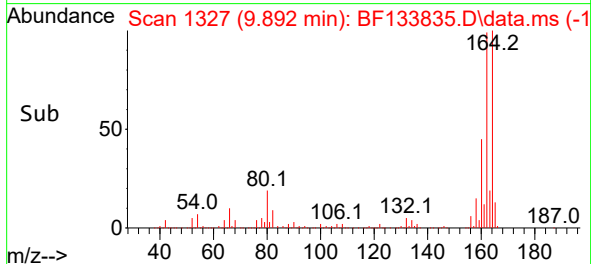
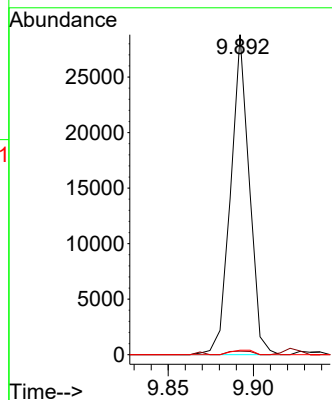
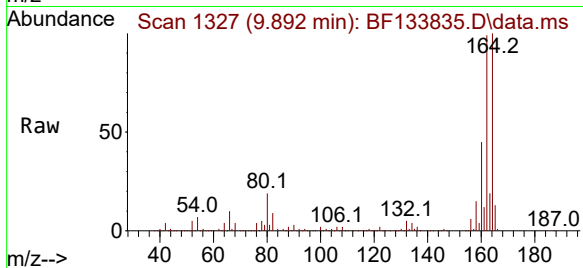




#51
2,6-Dinitrotoluene
Concen: 8.236 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.206 min
Lab File: BF133835.D
Acq: 19 Jun 2023 15:56

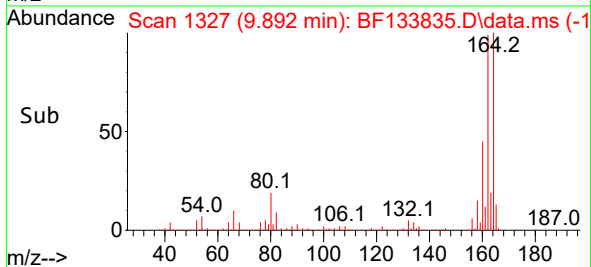
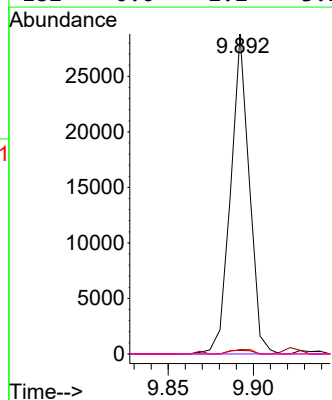
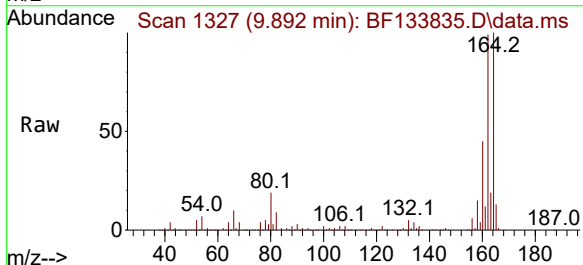
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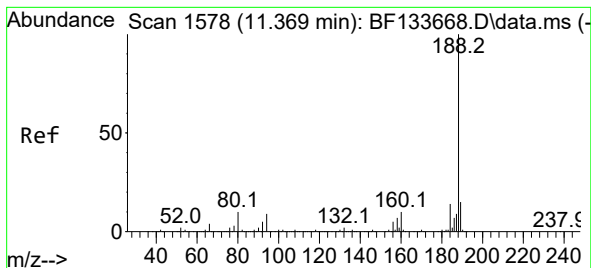
Tgt Ion:165 Resp: 21922
Ion Ratio Lower Upper
165 100
63 1.1 42.1 63.1#
89 1.4 40.9 61.3#



#57
2,4-Dinitrotoluene
Concen: 6.476 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.200 min
Lab File: BF133835.D
Acq: 19 Jun 2023 15:56

Tgt Ion:165 Resp: 21922
Ion Ratio Lower Upper
165 100
63 1.1 43.0 64.6#
89 1.4 62.6 93.8#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133835.D

Acq: 19 Jun 2023 15:56

Instrument :

BNA_F

ClientSampleId :

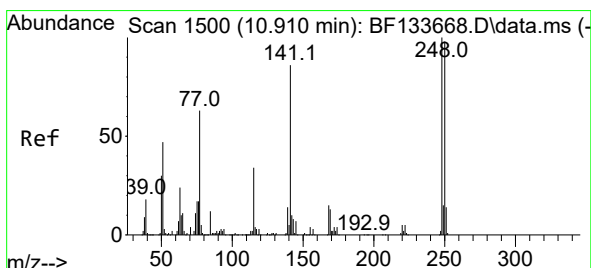
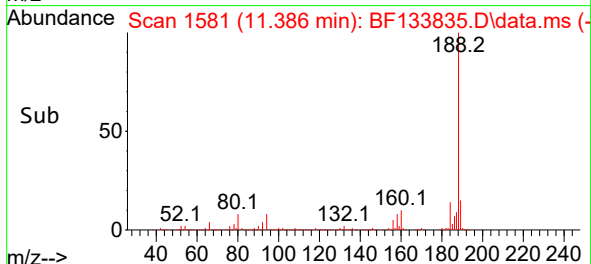
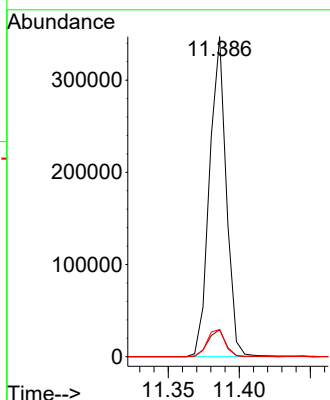
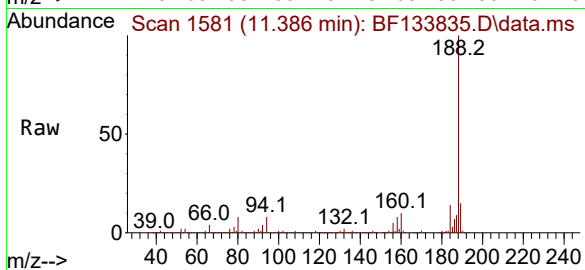
Tgt Ion:188 Resp: 285689

Ion Ratio Lower Upper

188 100

94 8.5 6.8 10.2

80 8.5 7.8 11.6



#67

4-Bromophenyl-phenylether

Concen: 2.675 ng

RT: 10.686 min Scan# 1462

Delta R.T. -0.247 min

Lab File: BF133835.D

Acq: 19 Jun 2023 15:56

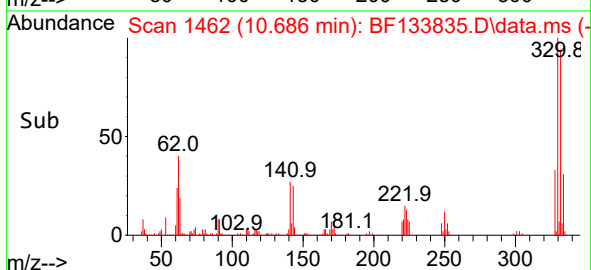
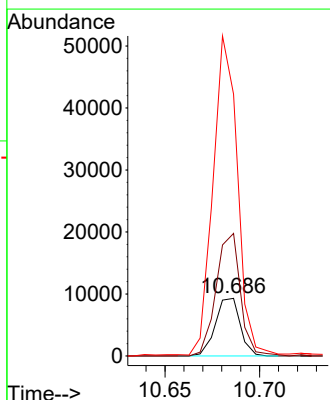
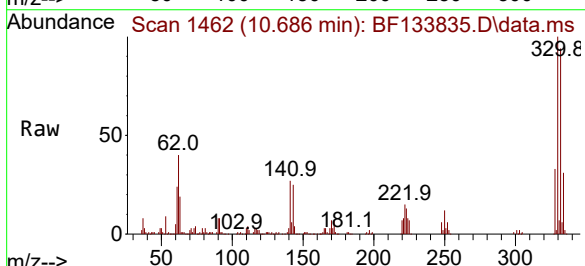
Tgt Ion:248 Resp: 8531

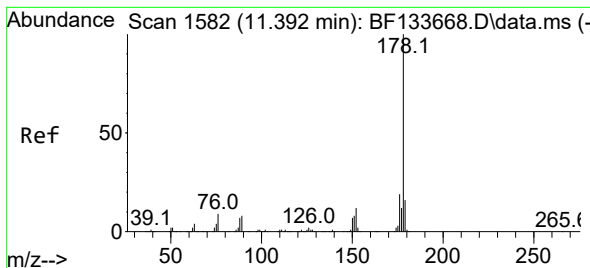
Ion Ratio Lower Upper

248 100

250 212.5 78.3 117.5#

141 454.0 69.0 103.6#





#71

Phenanthrene

Concen: 3.828 ng

RT: 11.410 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF133835.D

Acq: 19 Jun 2023 15:56

Instrument :

BNA_F

ClientSampleId :

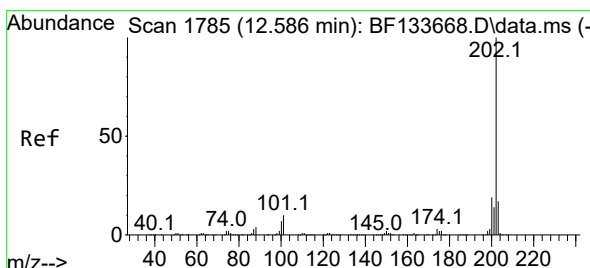
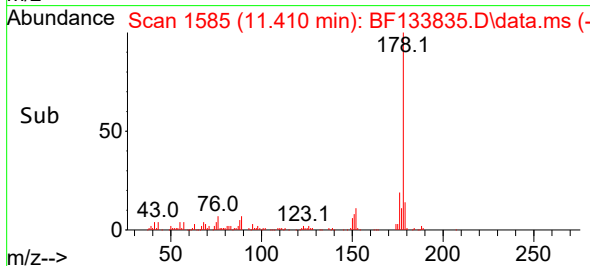
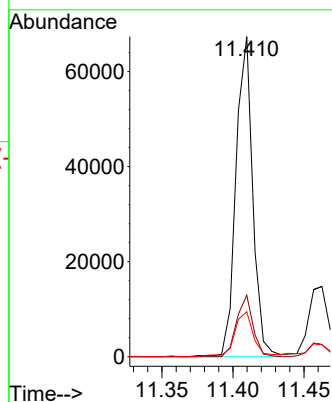
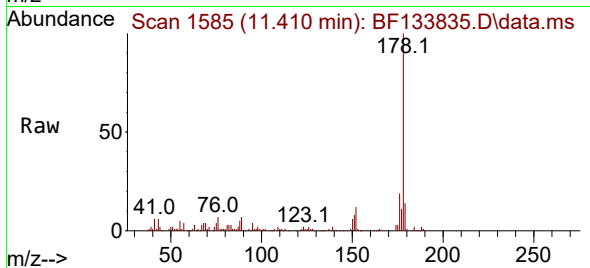
Tgt Ion:178 Resp: 55478

Ion Ratio Lower Upper

178 100

176 19.2 15.6 23.4

179 14.0 12.4 18.6



#75

Fluoranthene

Concen: 7.767 ng

RT: 12.604 min Scan# 1788

Delta R.T. -0.012 min

Lab File: BF133835.D

Acq: 19 Jun 2023 15:56

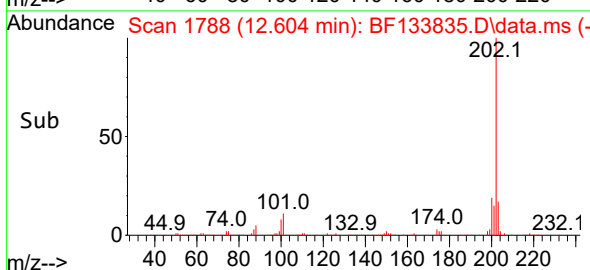
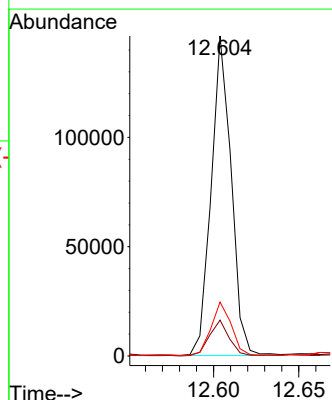
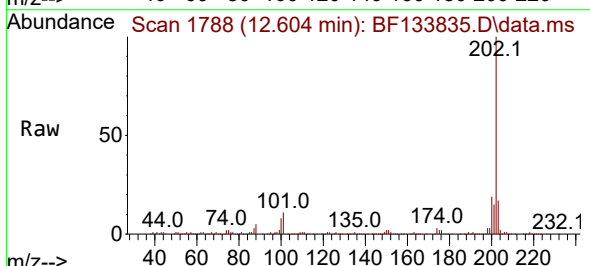
Tgt Ion:202 Resp: 119548

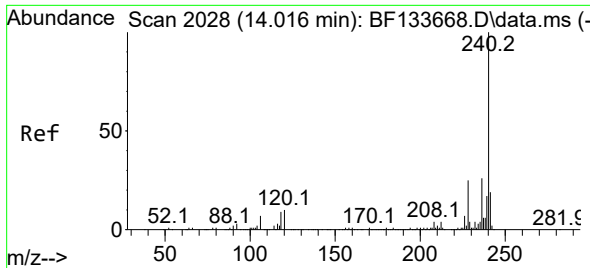
Ion Ratio Lower Upper

202 100

101 11.2 0.0 29.6

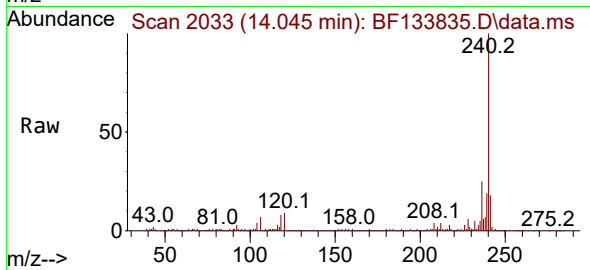
203 16.8 0.0 37.4



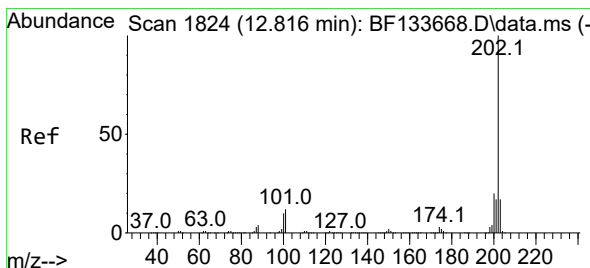
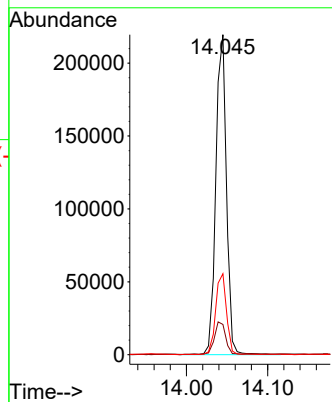
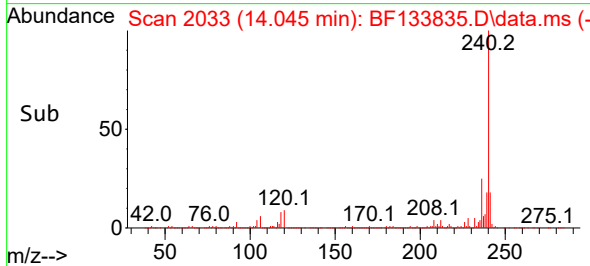


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF133835.D
Acq: 19 Jun 2023 15:56

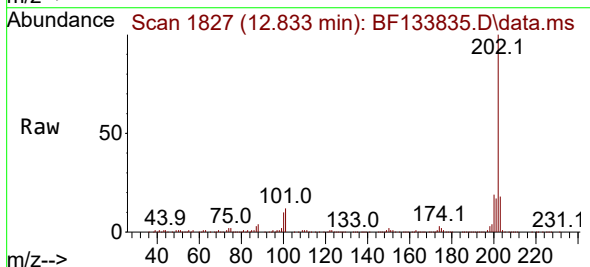
Instrument :
BNA_F
ClientSampleId :



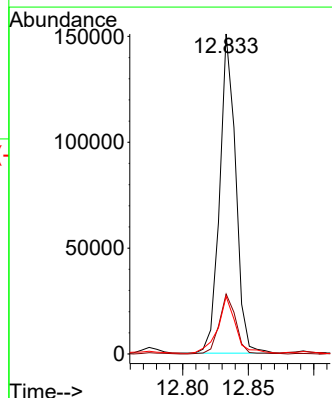
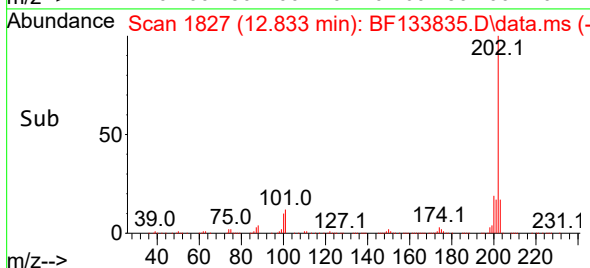
Tgt Ion:240 Resp: 199179
Ion Ratio Lower Upper
240 100
120 9.4 8.1 12.1
236 25.3 20.5 30.7

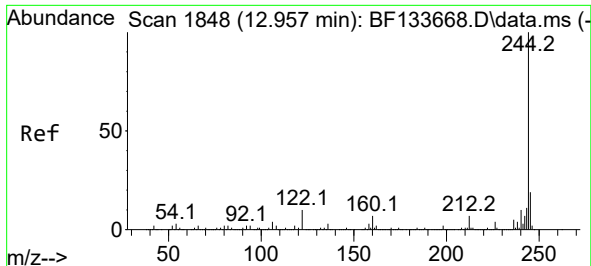


#78
Pyrene
Concen: 6.885 ng
RT: 12.833 min Scan# 1827
Delta R.T. -0.012 min
Lab File: BF133835.D
Acq: 19 Jun 2023 15:56



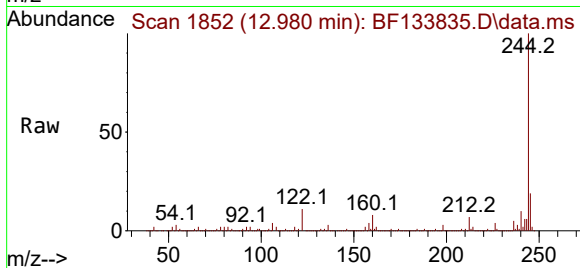
Tgt Ion:202 Resp: 127748
Ion Ratio Lower Upper
202 100
200 18.8 16.2 24.2
203 18.0 13.9 20.9



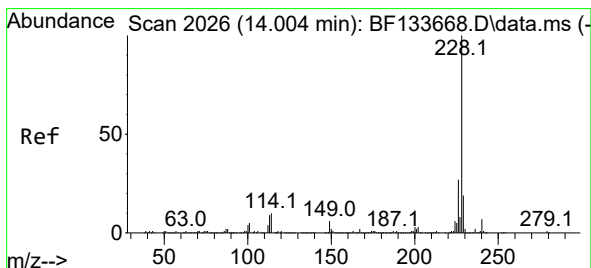
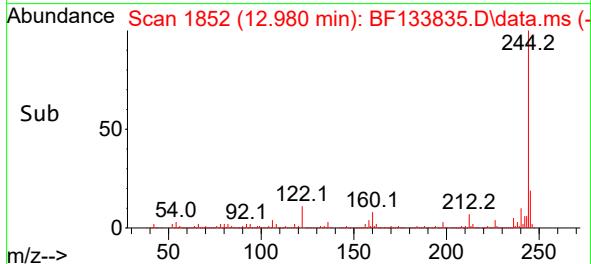
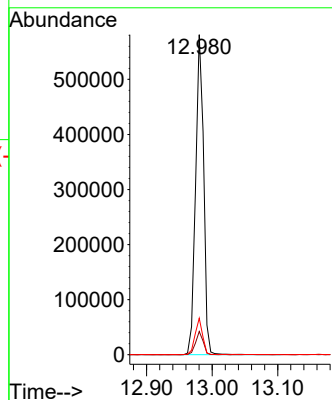


#79
 Terphenyl-d14
 Concen: 38.485 ng
 RT: 12.980 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF133835.D
 Acq: 19 Jun 2023 15:56

Instrument :
 BNA_F
 ClientSampleId :

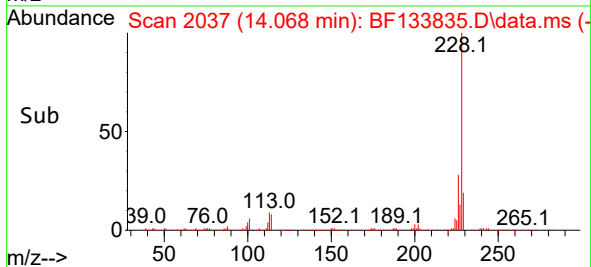
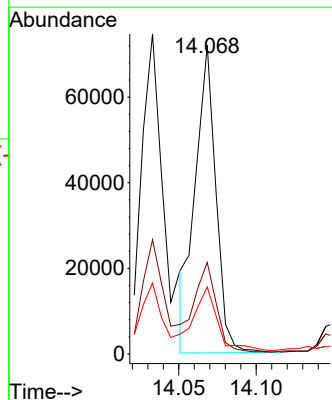
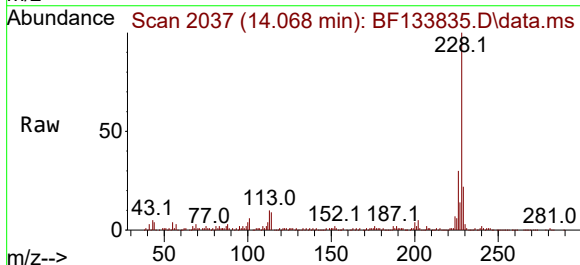


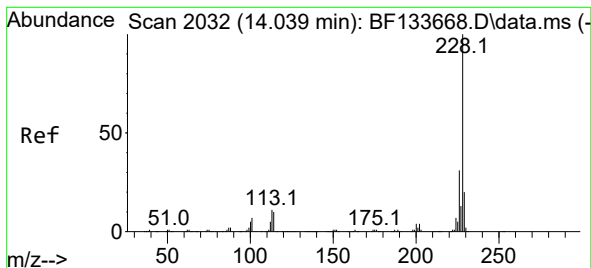
Tgt Ion:244 Resp: 495392
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.4 8.2
 122 11.4 8.1 12.1



#81
 Benzo(a)anthracene
 Concen: 4.839 ng
 RT: 14.068 min Scan# 2037
 Delta R.T. 0.029 min
 Lab File: BF133835.D
 Acq: 19 Jun 2023 15:56

Tgt Ion:228 Resp: 66669
 Ion Ratio Lower Upper
 228 100
 226 29.7 21.7 32.5
 229 21.7 15.4 23.2





#83

Chrysene

Concen: 5.116 ng

RT: 14.068 min Scan# 2032

Delta R.T. -0.012 min

Lab File: BF133835.D

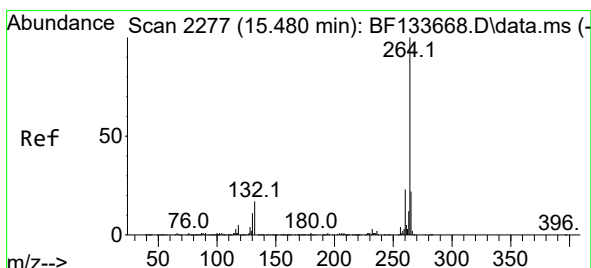
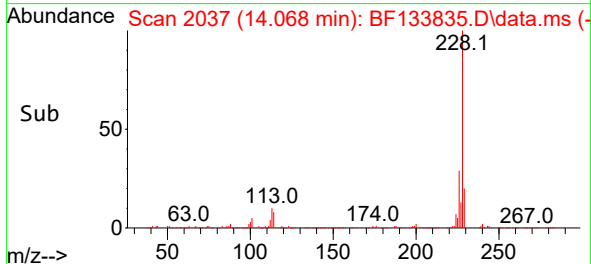
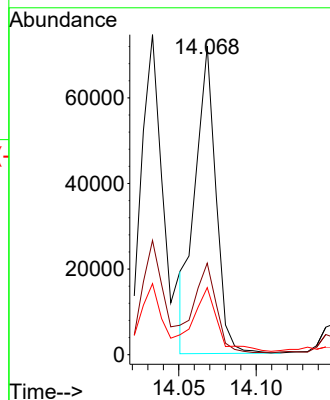
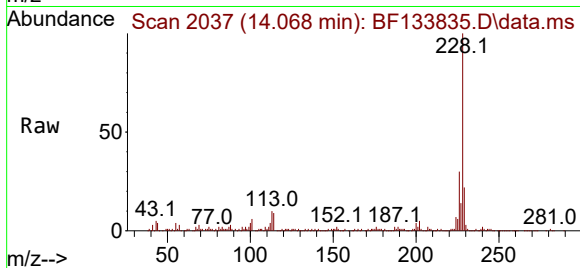
Acq: 19 Jun 2023 15:56

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:228	Resp: 66669
Ion Ratio	Lower Upper
228 100	
226 29.7	25.0 37.6
229 21.7	15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

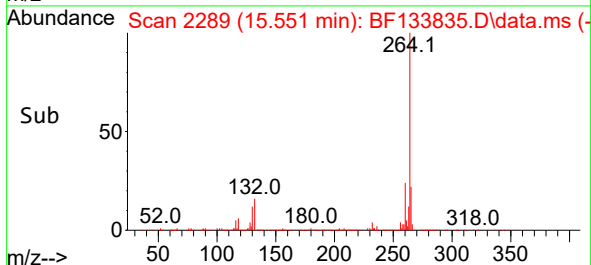
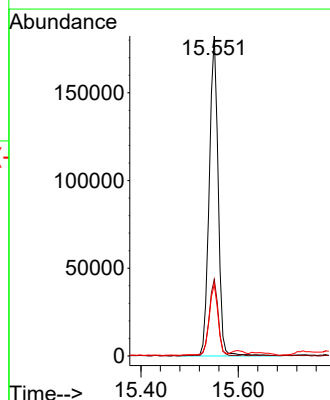
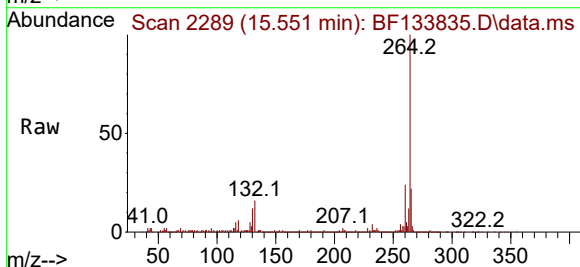
RT: 15.551 min Scan# 2289

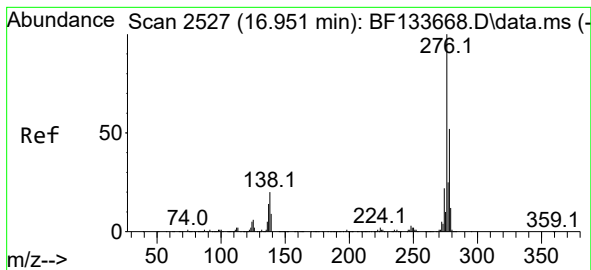
Delta R.T. -0.006 min

Lab File: BF133835.D

Acq: 19 Jun 2023 15:56

Tgt Ion:264	Resp: 231249
Ion Ratio	Lower Upper
264 100	
260 23.9	18.2 27.2
265 22.4	17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.422 ng

RT: 17.092 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF133835.D

Acq: 19 Jun 2023 15:56

Instrument :

BNA_F

ClientSampleId :

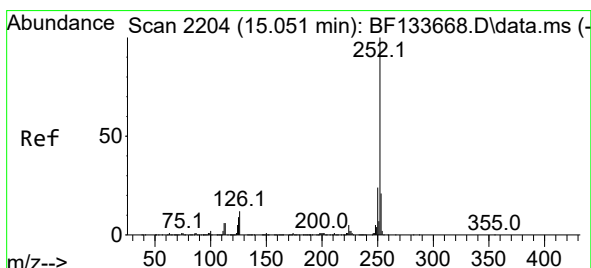
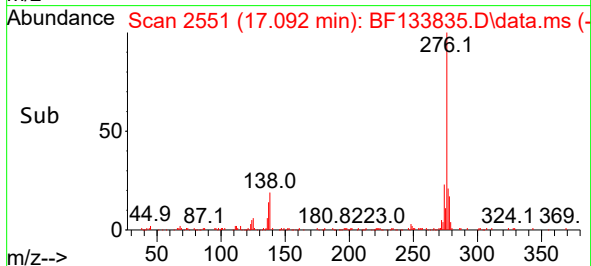
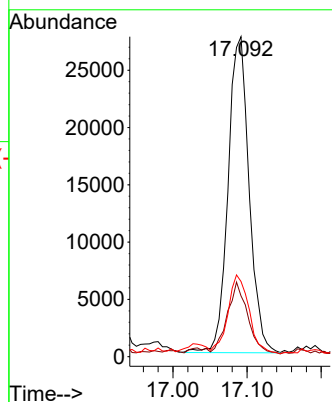
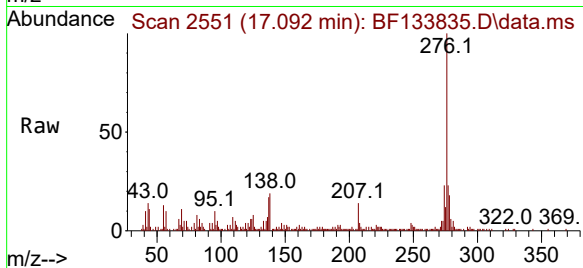
Tgt Ion:276 Resp: 54444

Ion Ratio Lower Upper

276 100

138 22.1 17.9 26.9

277 24.7 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 10.815 ng

RT: 15.104 min Scan# 2213

Delta R.T. -0.006 min

Lab File: BF133835.D

Acq: 19 Jun 2023 15:56

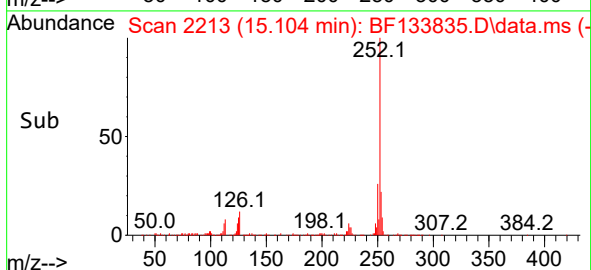
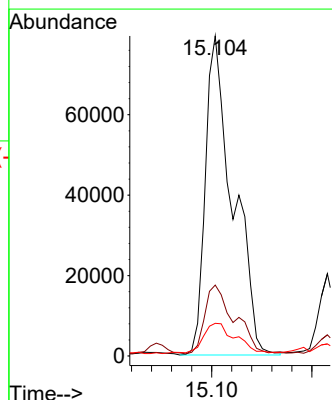
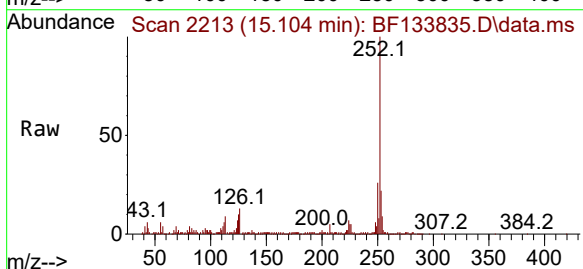
Tgt Ion:252 Resp: 151925

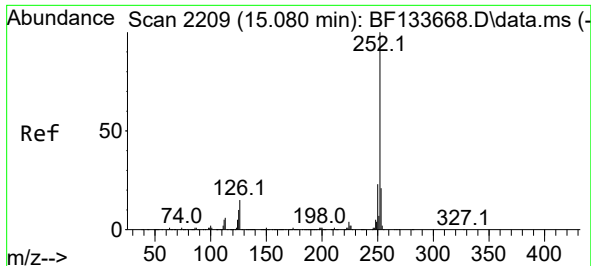
Ion Ratio Lower Upper

252 100

253 22.2 17.0 25.6

125 10.2 7.3 10.9

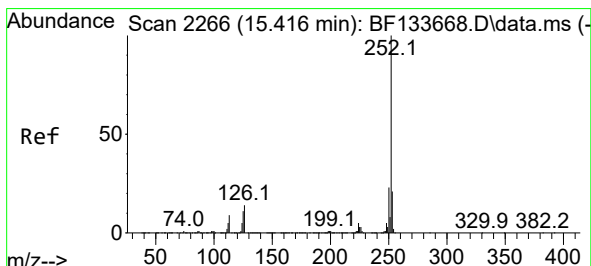
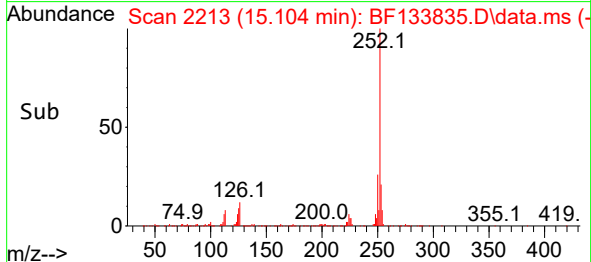
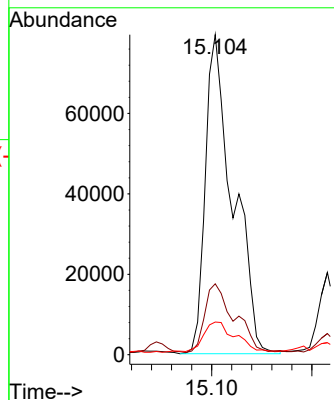
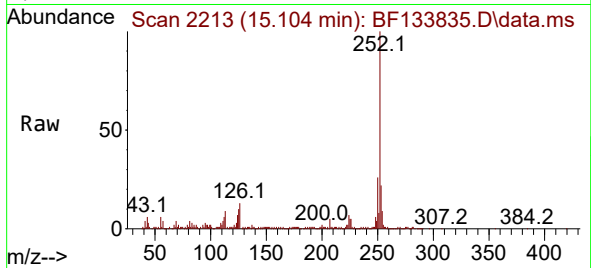




#89
Benzo(k)fluoranthene
Concen: 11.103 ng
RT: 15.104 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF133835.D
Acq: 19 Jun 2023 15:56

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 151925
Ion Ratio Lower Upper
252 100
253 22.2 17.0 25.4
125 10.2 7.8 11.6



#90
Benzo(a)pyrene
Concen: 6.327 ng
RT: 15.480 min Scan# 2277
Delta R.T. -0.012 min
Lab File: BF133835.D
Acq: 19 Jun 2023 15:56

Tgt Ion:252 Resp: 82490
Ion Ratio Lower Upper
252 100
253 23.1 17.1 25.7
125 12.3 8.6 13.0

