

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062123\
 Data File : BF133881.D
 Acq On : 21 Jun 2023 20:38
 Operator : CG\JU
 Sample : 03298-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

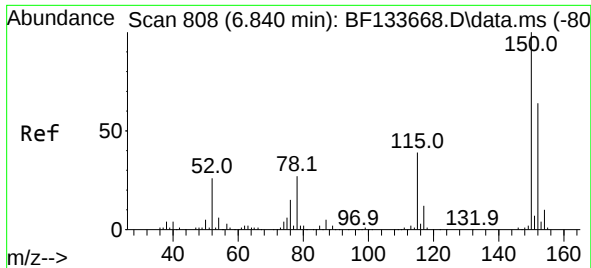
Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 22 05:59:51 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)

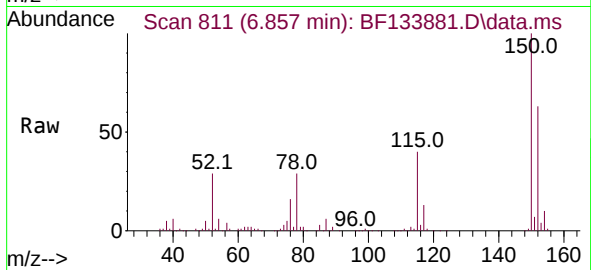
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	108170	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	364814	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	141974	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	251867	20.000	ng	0.00
76) Chrysene-d12	14.051	240	204950	20.000	ng	0.00
86) Perylene-d12	15.557	264	146485	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	466483	75.076	ng	0.00
7) Phenol-d6	6.493	99	550999	68.127	ng	0.00
23) Nitrobenzene-d5	7.422	82	362510	54.123	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	110802	61.655	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	612518	61.328	ng	0.00
79) Terphenyl-d14	12.986	244	625170	47.200	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	51187	9.947	ng	# 76
25) Isophorone	7.422	82	362496	29.479	ng	# 65
51) 2,6-Dinitrotoluene	9.898	165	18321	8.376	ng	# 28
57) 2,4-Dinitrotoluene	9.898	165	18321	6.586	ng	# 20
63) Azobenzene	10.610	77	44180	4.327	ng	# 1
67) 4-Bromophenyl-phenylether	10.686	248	7073	2.516	ng	# 1
71) Phenanthrene	11.410	178	89775	7.025	ng	99
75) Fluoranthene	12.610	202	256033	18.868	ng	98
78) Pyrene	12.839	202	244693	12.817	ng	100
81) Benzo(a)anthracene	14.039	228	127531	8.996	ng	97
83) Chrysene	14.074	228	110525	8.243	ng	98
84) Bis(2-ethylhexyl)phtha...	14.027	149	19886	2.004	ng	97
87) Indeno(1,2,3-cd)pyrene	17.104	276	50565	5.017	ng	98
88) Benzo(b)fluoranthene	15.110	252	163565	18.382	ng	96
89) Benzo(k)fluoranthene	15.110	252	163565	18.870	ng	97
90) Benzo(a)pyrene	15.492	252	80147	9.705	ng	98
92) Benzo(g,h,i)perylene	17.574	276	48939	5.916	ng	97

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

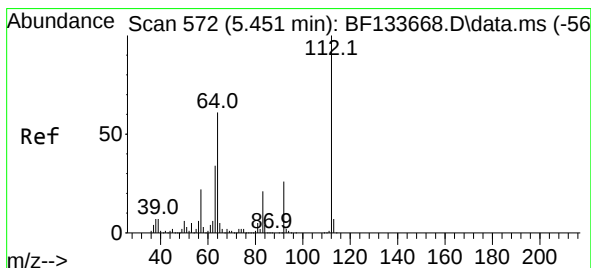
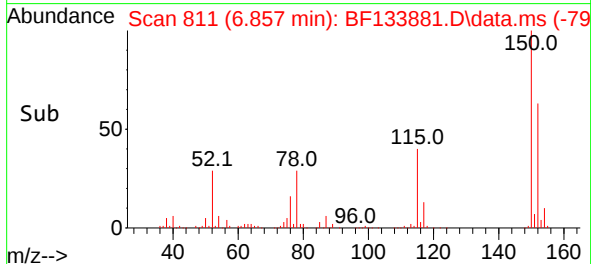
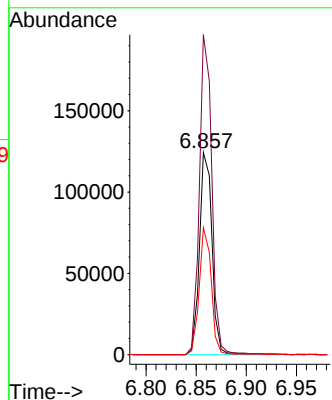


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF133881.D
Acq: 21 Jun 2023 20:38

Instrument :
BNA_F
ClientSampleId :

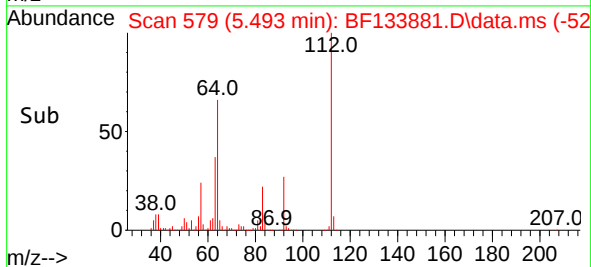
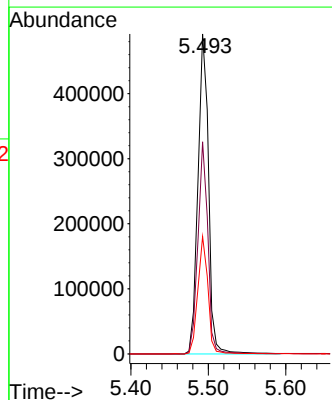
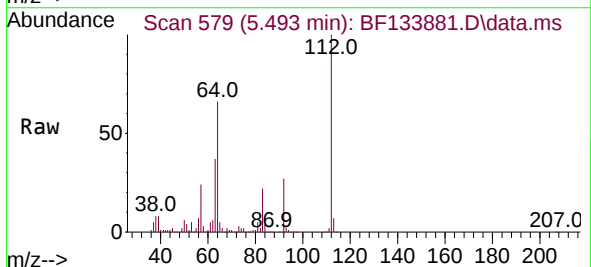


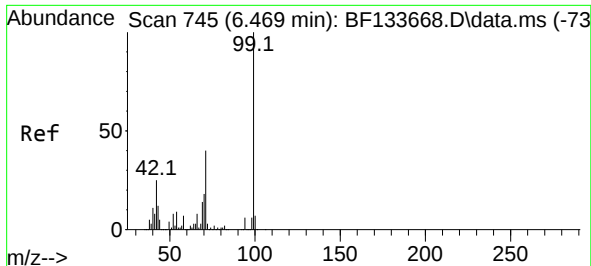
Tgt Ion:152 Resp: 108170
Ion Ratio Lower Upper
152 100
150 158.3 124.3 186.5
115 62.7 48.5 72.7



#5
2-Fluorophenol
Concen: 75.076 ng
RT: 5.493 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF133881.D
Acq: 21 Jun 2023 20:38

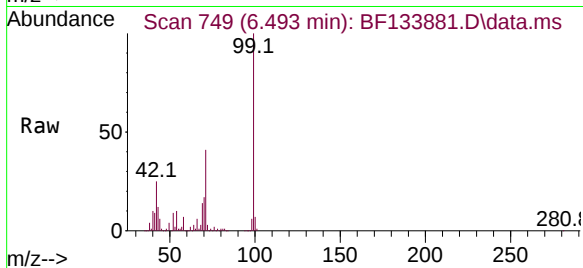
Tgt Ion:112 Resp: 466483
Ion Ratio Lower Upper
112 100
64 66.3 49.0 73.4
63 36.7 26.8 40.2



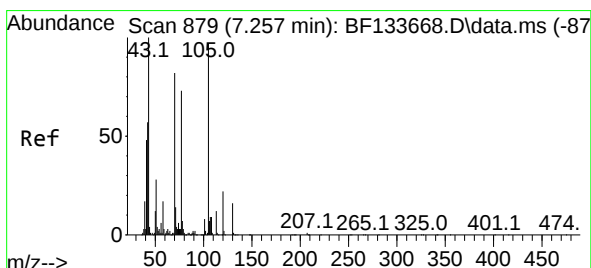
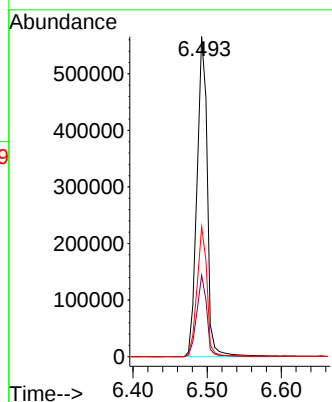
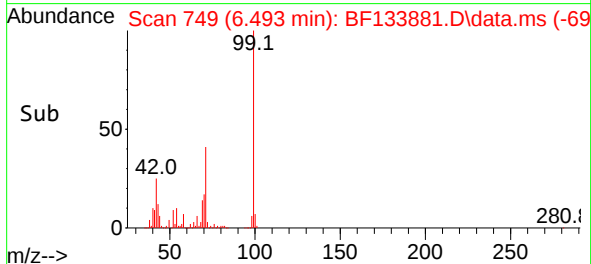


#7
Phenol-d6
Concen: 68.127 ng
RT: 6.493 min Scan# 745
Delta R.T. 0.000 min
Lab File: BF133881.D
Acq: 21 Jun 2023 20:38

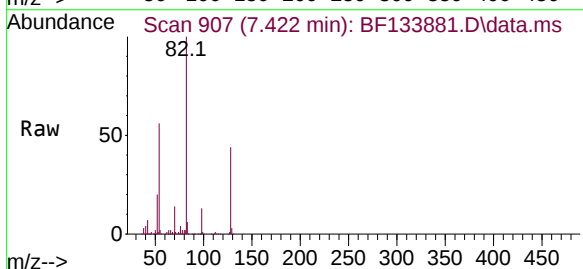
Instrument :
BNA_F
ClientSampleId :



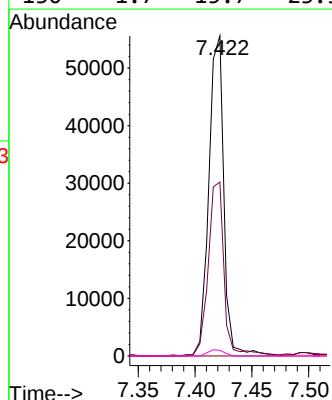
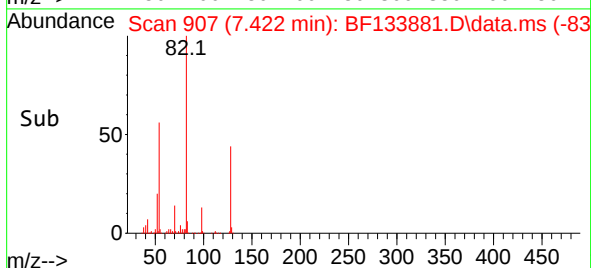
Tgt Ion: 99 Resp: 550999
Ion Ratio Lower Upper
99 100
42 25.4 19.9 29.9
71 40.5 32.2 48.4

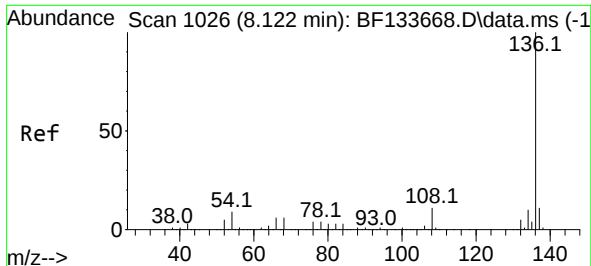


#19
n-Nitroso-di-n-propylamine
Concen: 9.947 ng
RT: 7.422 min Scan# 907
Delta R.T. 0.147 min
Lab File: BF133881.D
Acq: 21 Jun 2023 20:38



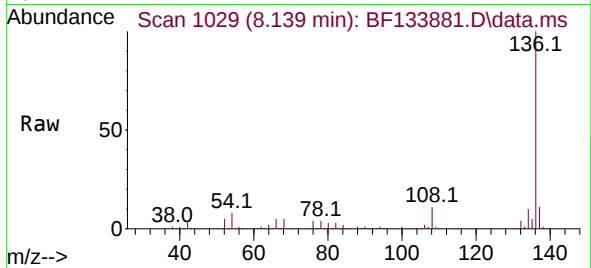
Tgt Ion: 70 Resp: 51187
Ion Ratio Lower Upper
70 100
42 54.3 55.8 83.8#
101 0.0 8.1 12.1#
130 1.7 15.7 23.5#



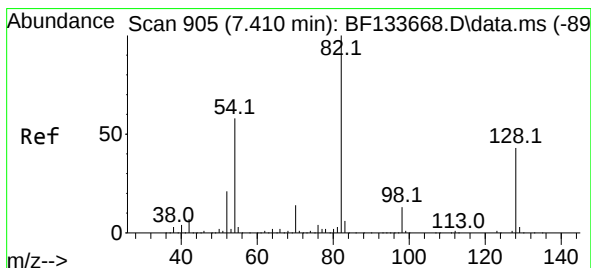
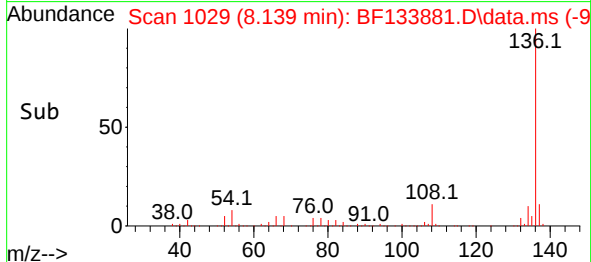
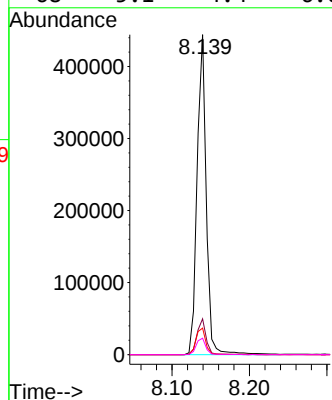


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF133881.D
Acq: 21 Jun 2023 20:38

Instrument :
BNA_F
ClientSampleId :

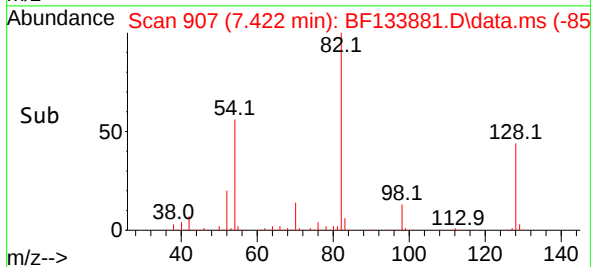
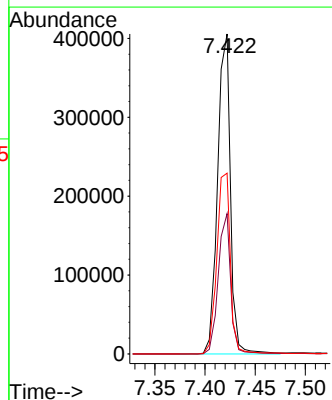
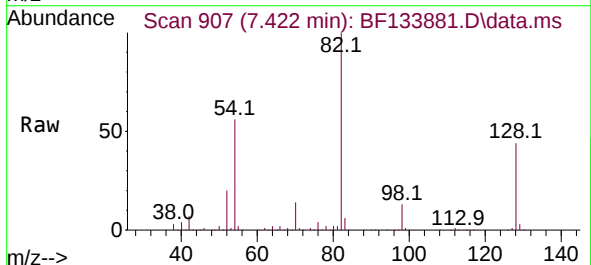


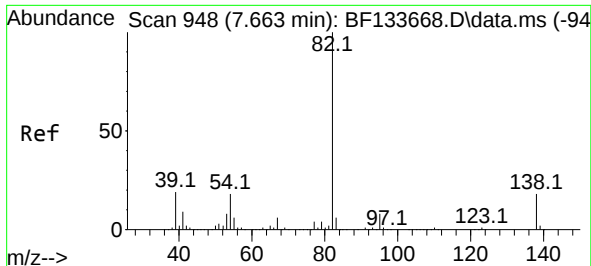
Tgt Ion:136 Resp: 364814
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 8.3 7.4 11.0
68 5.1 4.4 6.6



#23
Nitrobenzene-d5
Concen: 54.123 ng
RT: 7.422 min Scan# 907
Delta R.T. 0.000 min
Lab File: BF133881.D
Acq: 21 Jun 2023 20:38

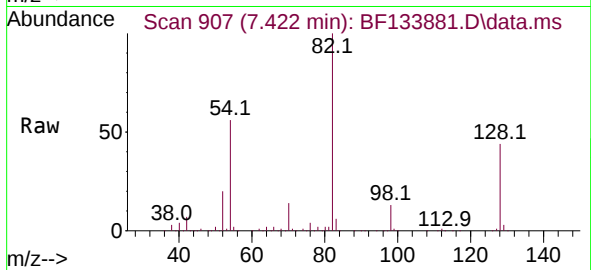
Tgt Ion: 82 Resp: 362510
Ion Ratio Lower Upper
82 100
128 43.8 34.2 51.2
54 56.5 46.5 69.7



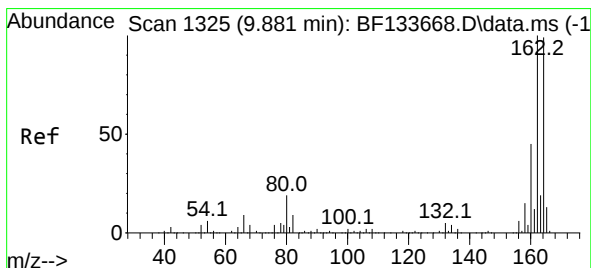
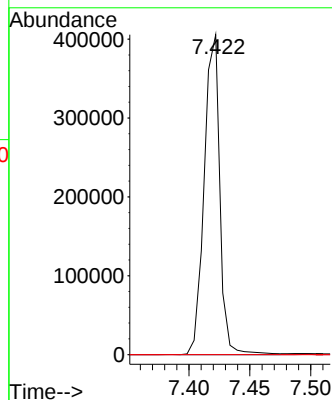
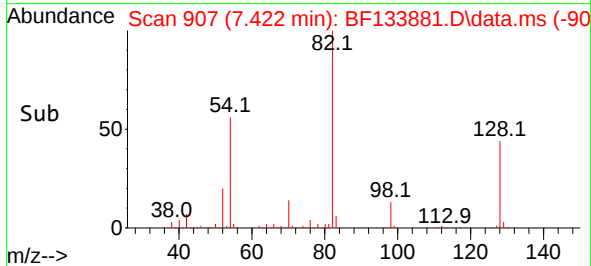


#25
Isophorone
Concen: 29.479 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF133881.D
Acq: 21 Jun 2023 20:38

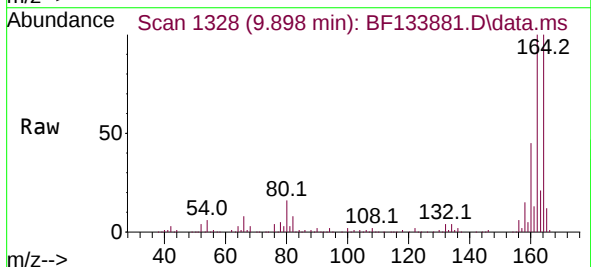
Instrument :
BNA_F
ClientSampleId :



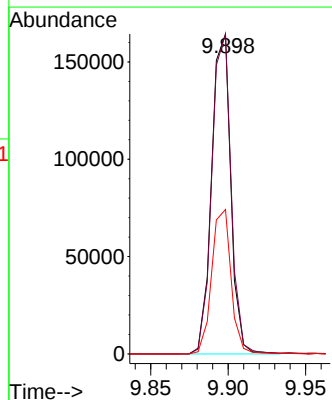
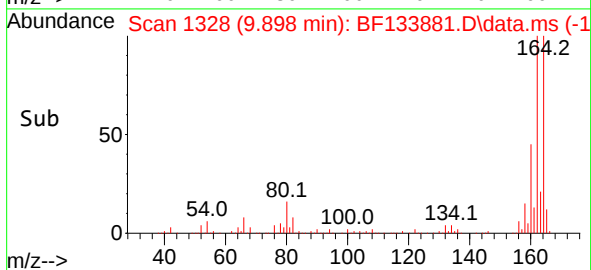
Tgt Ion: 82 Resp: 362496
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.2 21.2#

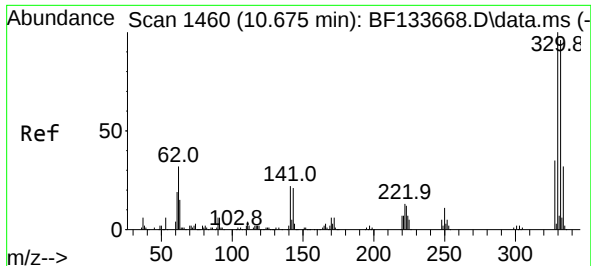


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1328
Delta R.T. 0.000 min
Lab File: BF133881.D
Acq: 21 Jun 2023 20:38



Tgt Ion: 164 Resp: 141974
Ion Ratio Lower Upper
164 100
162 100.1 80.8 121.2
160 45.2 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 61.655 ng

RT: 10.686 min Scan# 1462

Delta R.T. -0.006 min

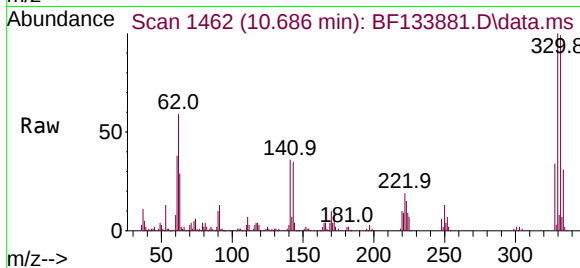
Lab File: BF133881.D

Acq: 21 Jun 2023 20:38

Instrument :

BNA_F

ClientSampleId :



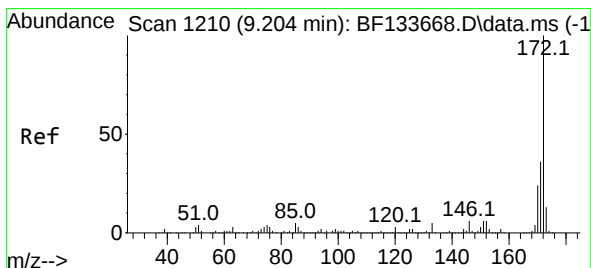
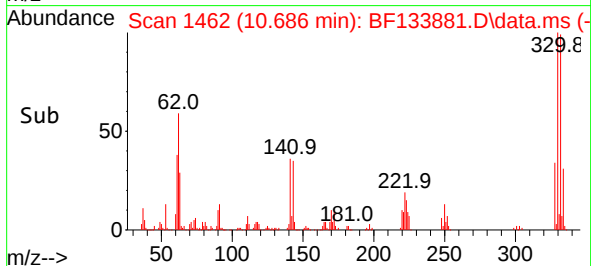
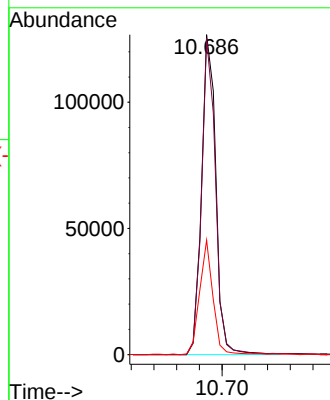
Tgt Ion:330 Resp: 110802

Ion Ratio Lower Upper

330 100

332 96.7 77.2 115.8

141 33.8 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 61.328 ng

RT: 9.216 min Scan# 1212

Delta R.T. 0.000 min

Lab File: BF133881.D

Acq: 21 Jun 2023 20:38

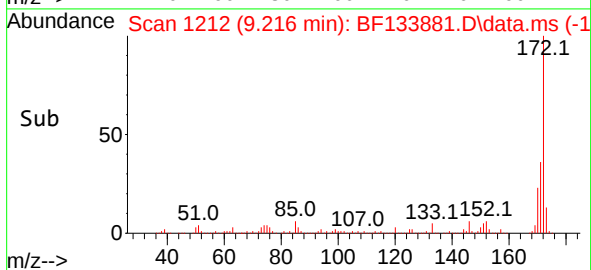
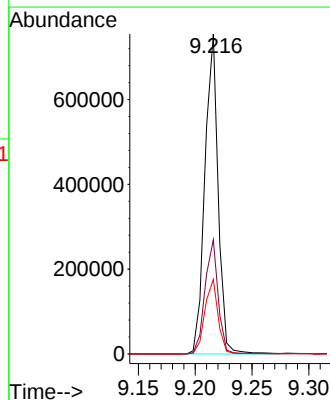
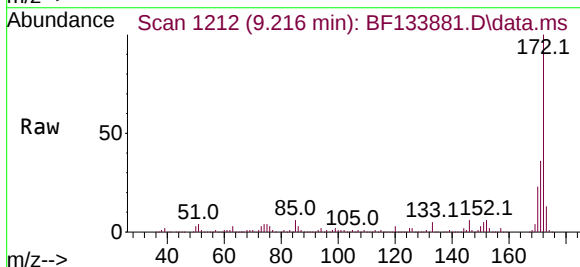
Tgt Ion:172 Resp: 612518

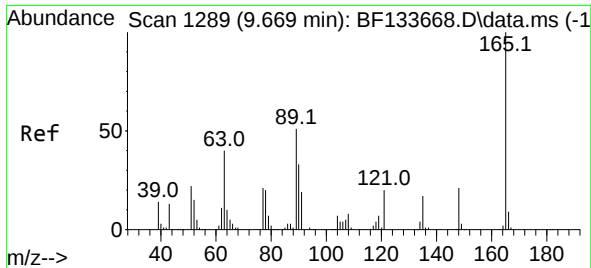
Ion Ratio Lower Upper

172 100

171 35.7 28.6 43.0

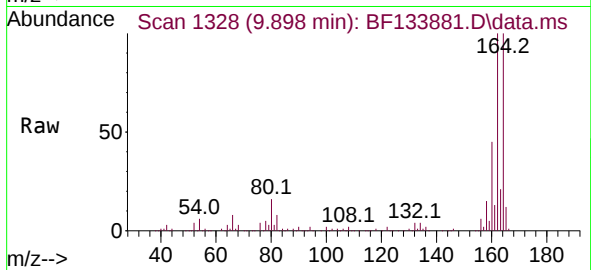
170 23.3 19.1 28.7



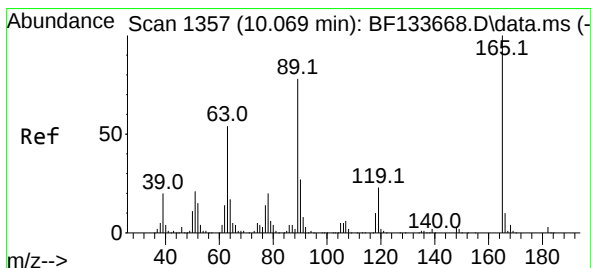
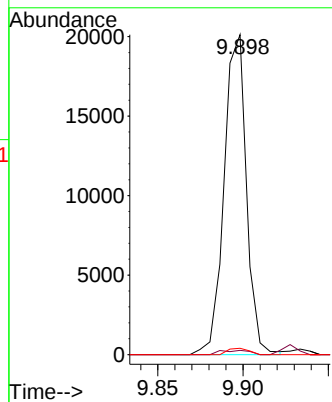
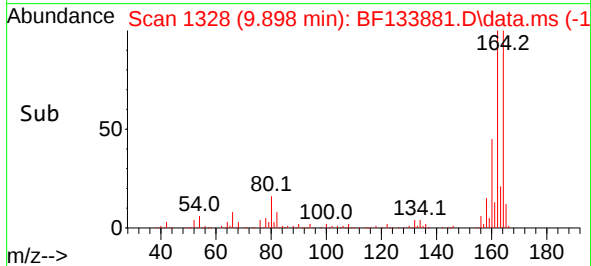


#51
2,6-Dinitrotoluene
Concen: 8.376 ng
RT: 9.898 min Scan# 1328
Delta R.T. 0.218 min
Lab File: BF133881.D
Acq: 21 Jun 2023 20:38

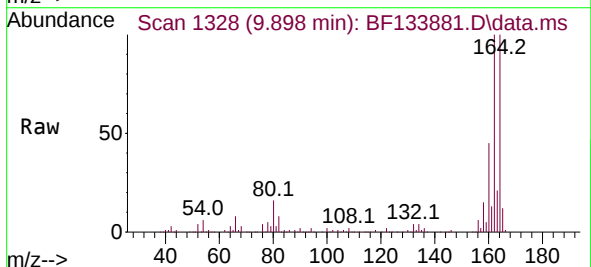
Instrument :
BNA_F
ClientSampleId :



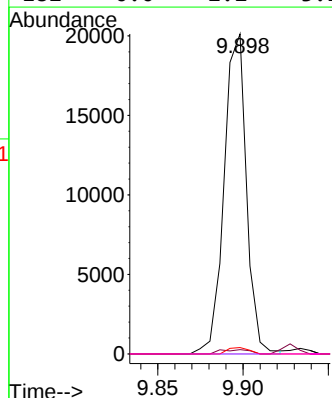
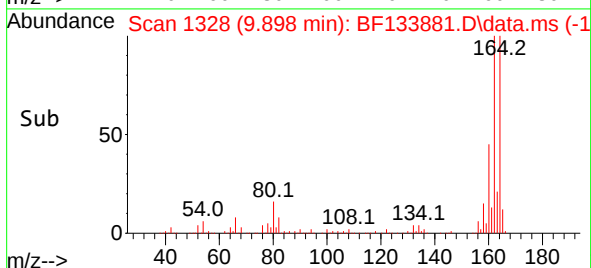
Tgt Ion:165 Resp: 18321
Ion Ratio Lower Upper
165 100
63 1.3 42.1 63.1#
89 2.0 40.9 61.3#

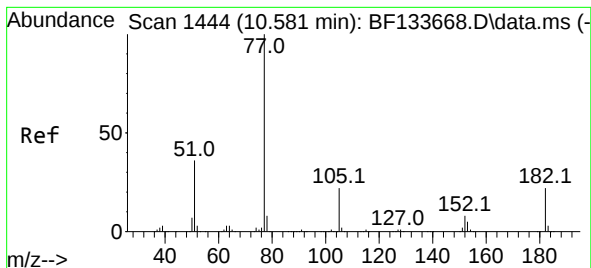


#57
2,4-Dinitrotoluene
Concen: 6.586 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.188 min
Lab File: BF133881.D
Acq: 21 Jun 2023 20:38



Tgt Ion:165 Resp: 18321
Ion Ratio Lower Upper
165 100
63 1.3 43.0 64.6#
89 2.0 62.6 93.8#
182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 4.327 ng

RT: 10.610 min Scan# 1449

Delta R.T. 0.012 min

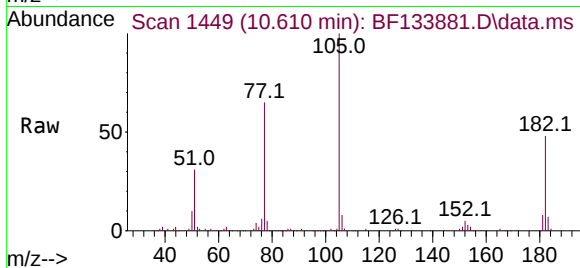
Lab File: BF133881.D

Acq: 21 Jun 2023 20:38

Instrument :

BNA_F

ClientSampleId :



Tgt Ion: 77 Resp: 44180

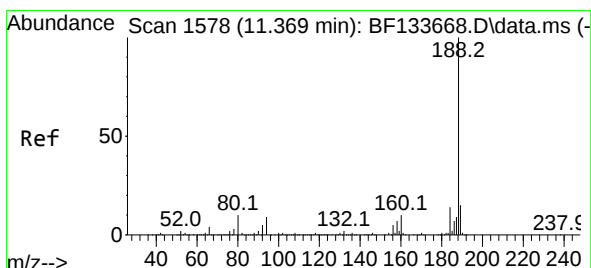
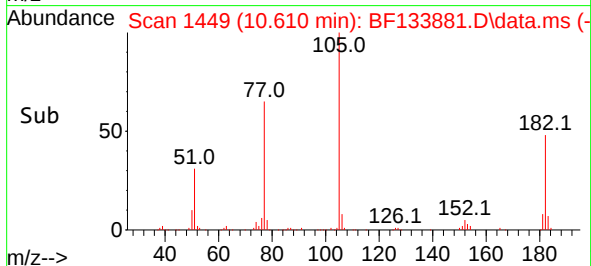
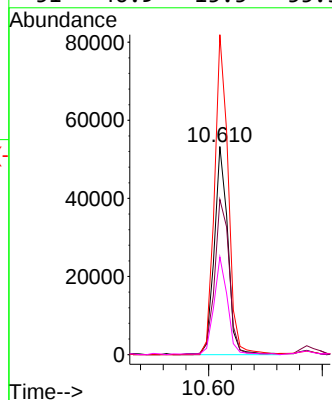
Ion Ratio Lower Upper

77 100

182 74.5 1.6 41.6#

105 153.8 1.6 41.6#

51 46.9 15.5 55.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1581

Delta R.T. 0.000 min

Lab File: BF133881.D

Acq: 21 Jun 2023 20:38

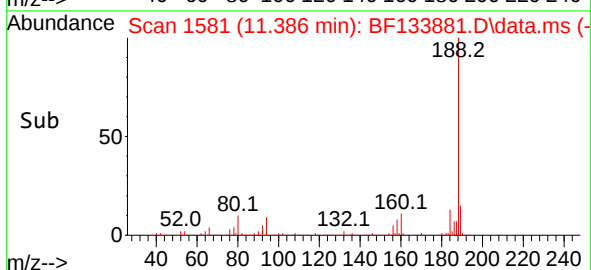
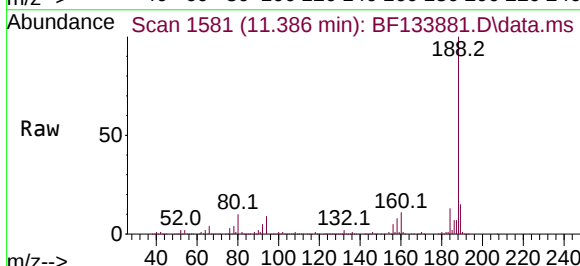
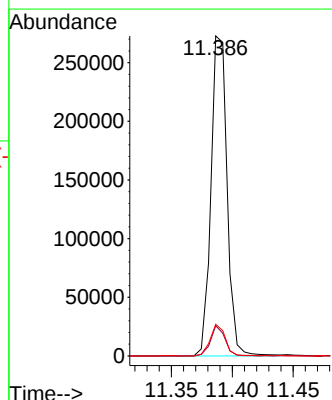
Tgt Ion: 188 Resp: 251867

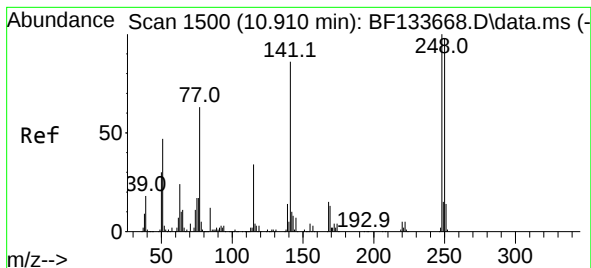
Ion Ratio Lower Upper

188 100

94 9.5 6.8 10.2

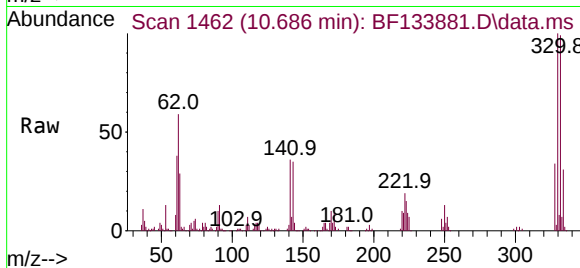
80 9.9 7.8 11.6



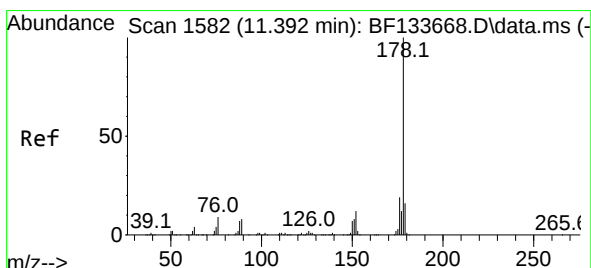
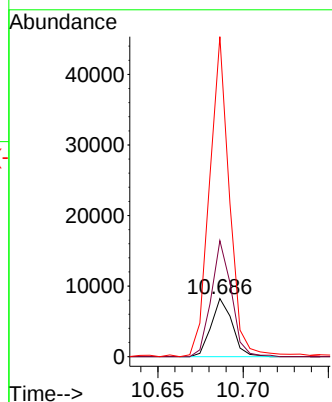
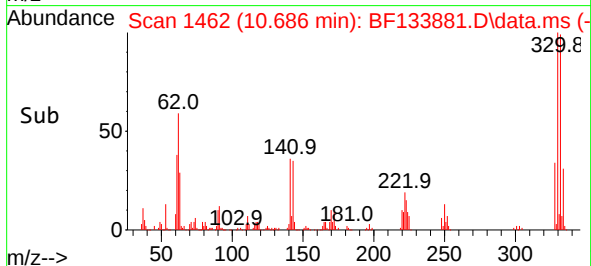


#67
4-Bromophenyl-phenylether
Concen: 2.516 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.247 min
Lab File: BF133881.D
Acq: 21 Jun 2023 20:38

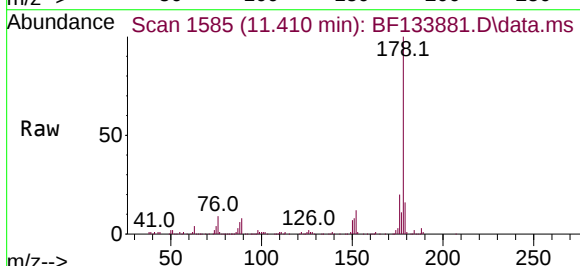
Instrument :
BNA_F
ClientSampleId :



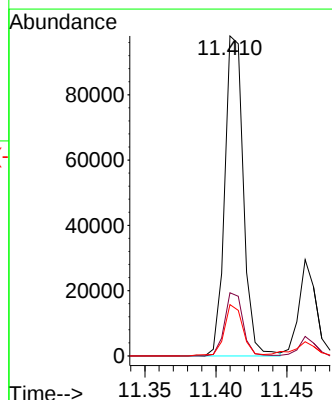
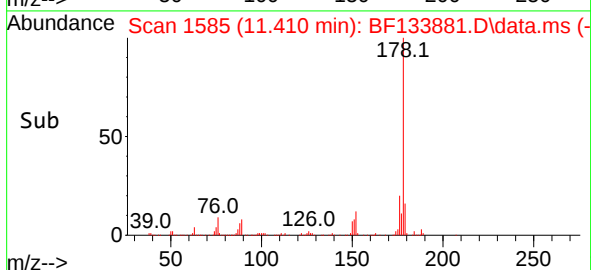
Tgt Ion:248 Resp: 7073
Ion Ratio Lower Upper
248 100
250 199.8 78.3 117.5#
141 551.8 69.0 103.6#

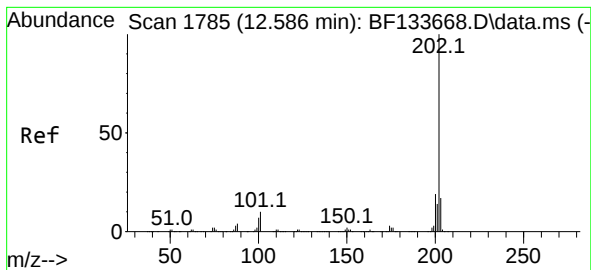


#71
Phenanthrene
Concen: 7.025 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF133881.D
Acq: 21 Jun 2023 20:38



Tgt Ion:178 Resp: 89775
Ion Ratio Lower Upper
178 100
176 19.7 15.6 23.4
179 16.0 12.4 18.6





#75

Fluoranthene

Concen: 18.868 ng

RT: 12.610 min Scan# 1789

Delta R.T. 0.000 min

Lab File: BF133881.D

Acq: 21 Jun 2023 20:38

Instrument :

BNA_F

ClientSampleId :

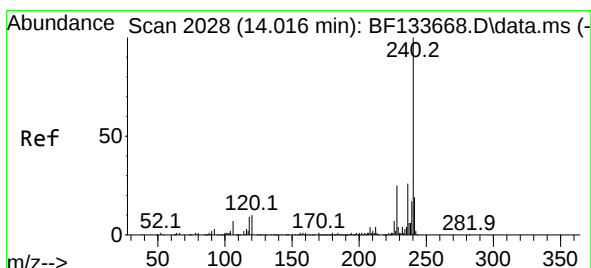
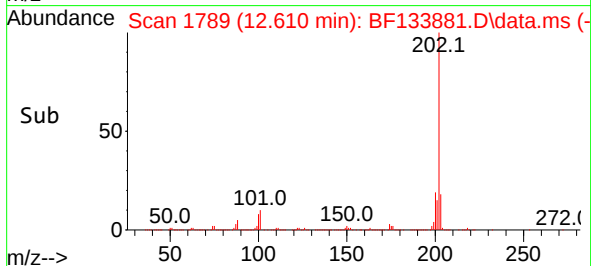
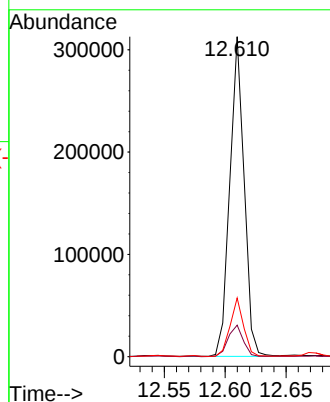
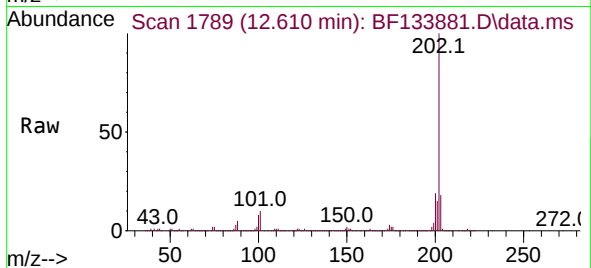
Tgt Ion:202 Resp: 256033

Ion Ratio Lower Upper

202 100

101 9.9 0.0 29.6

203 18.3 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: BF133881.D

Acq: 21 Jun 2023 20:38

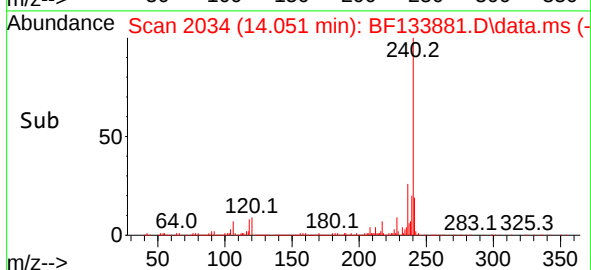
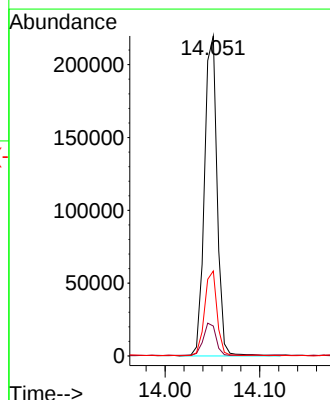
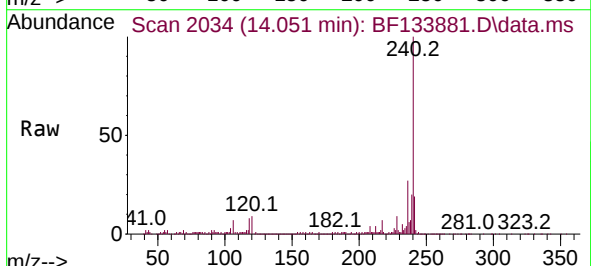
Tgt Ion:240 Resp: 204950

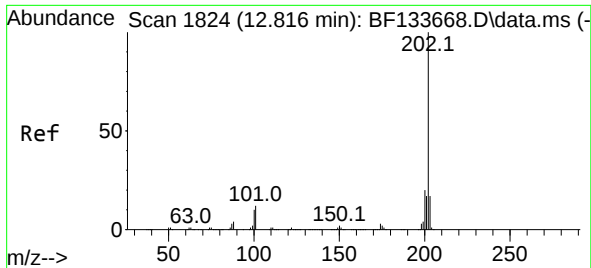
Ion Ratio Lower Upper

240 100

120 9.3 8.1 12.1

236 26.5 20.5 30.7

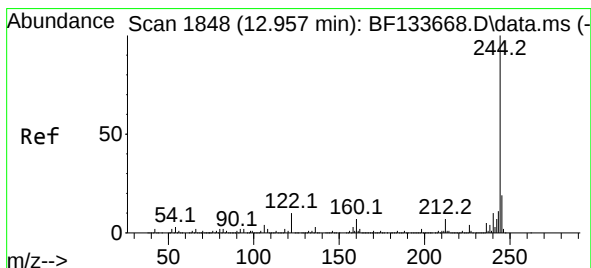
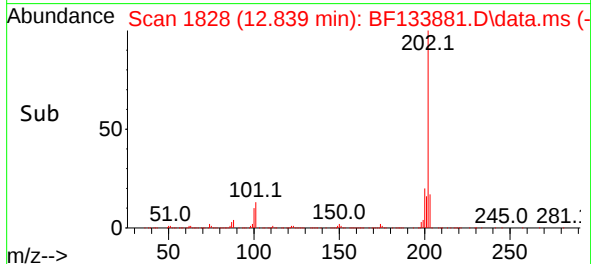
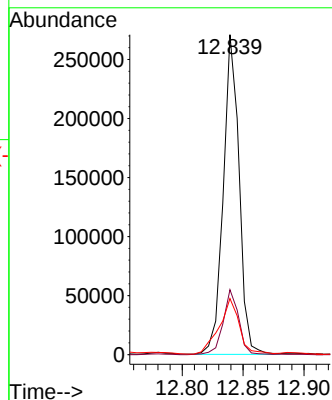
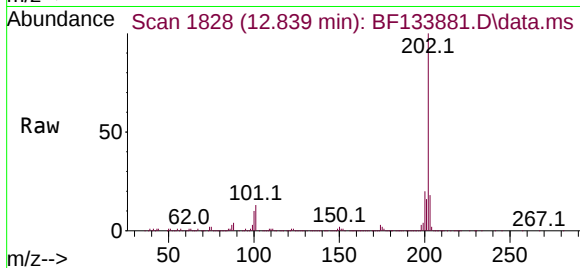




#78
 Pyrene
 Concen: 12.817 ng
 RT: 12.839 min Scan# 1824
 Delta R.T. 0.000 min
 Lab File: BF133881.D
 Acq: 21 Jun 2023 20:38

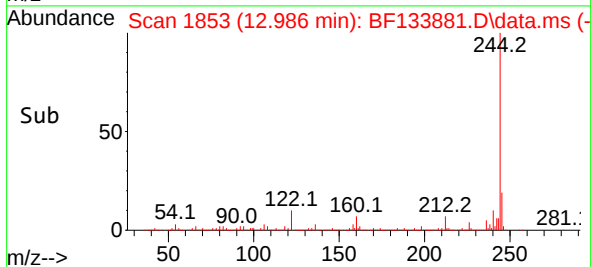
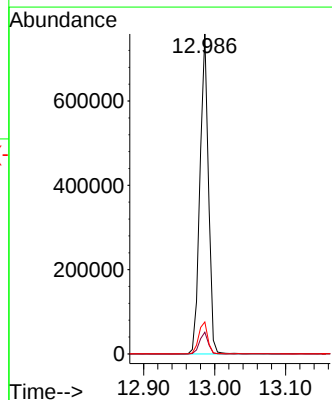
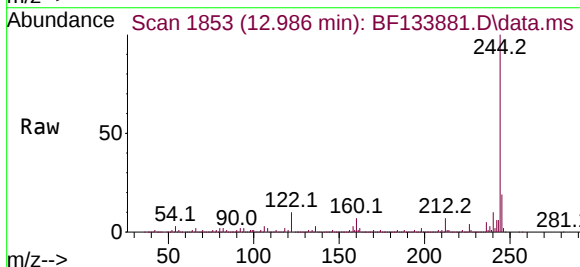
Instrument :
 BNA_F
 ClientSampleId :

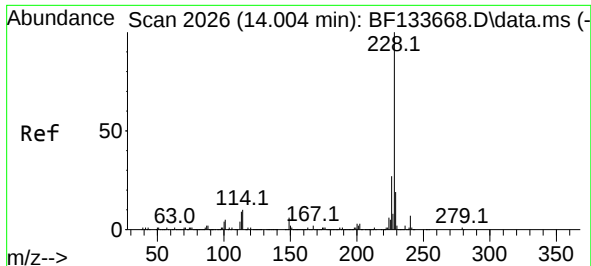
Tgt Ion:202 Resp: 244693
 Ion Ratio Lower Upper
 202 100
 200 20.3 16.2 24.2
 203 17.5 13.9 20.9



#79
 Terphenyl-d14
 Concen: 47.200 ng
 RT: 12.986 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: BF133881.D
 Acq: 21 Jun 2023 20:38

Tgt Ion:244 Resp: 625170
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.2
 122 10.0 8.1 12.1

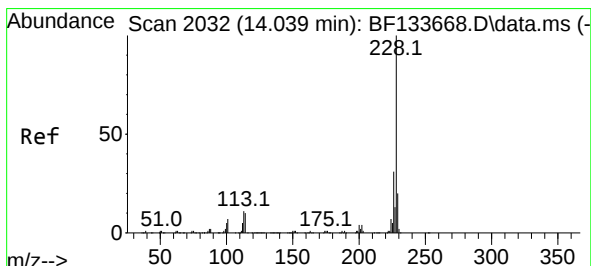
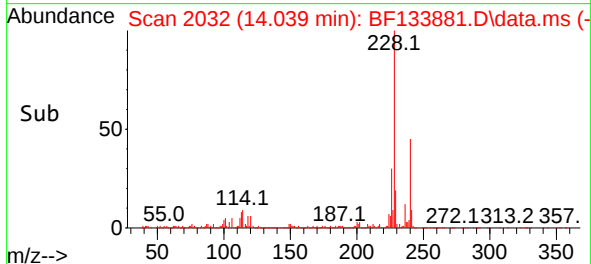
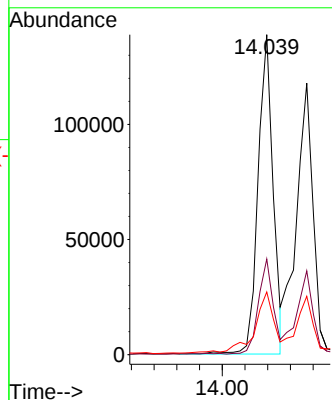
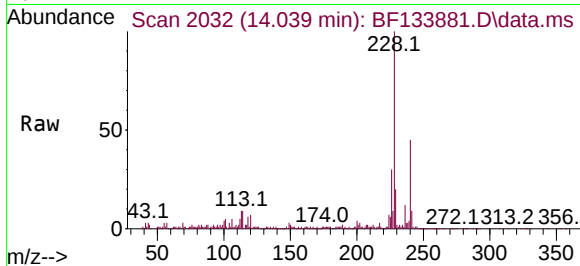




#81
Benzo(a)anthracene
Concen: 8.996 ng
RT: 14.039 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF133881.D
Acq: 21 Jun 2023 20:38

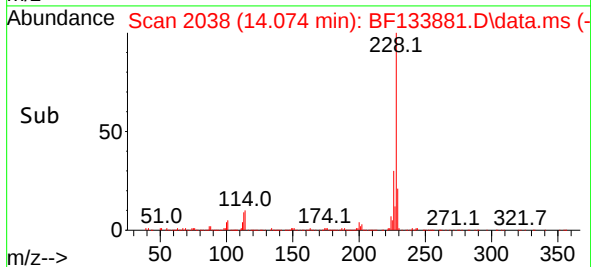
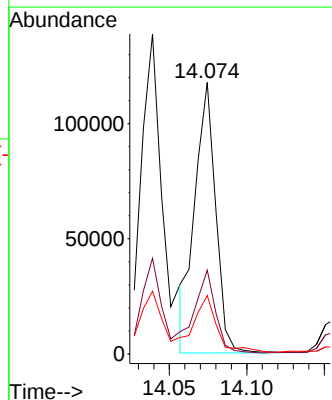
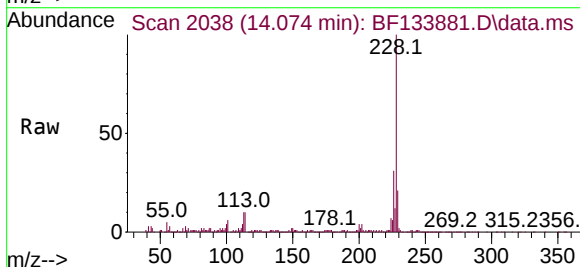
Instrument :
BNA_F
ClientSampleId :

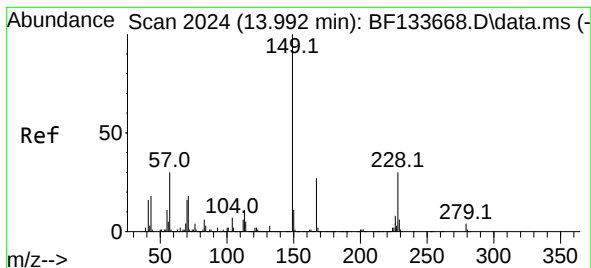
Tgt Ion:228 Resp: 127531
Ion Ratio Lower Upper
228 100
226 29.9 21.7 32.5
229 19.6 15.4 23.2



#83
Chrysene
Concen: 8.243 ng
RT: 14.074 min Scan# 2038
Delta R.T. 0.000 min
Lab File: BF133881.D
Acq: 21 Jun 2023 20:38

Tgt Ion:228 Resp: 110525
Ion Ratio Lower Upper
228 100
226 30.8 25.0 37.6
229 21.5 15.8 23.8

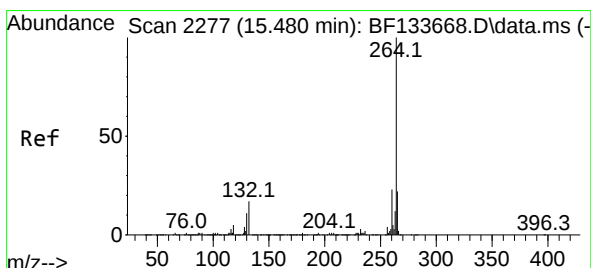
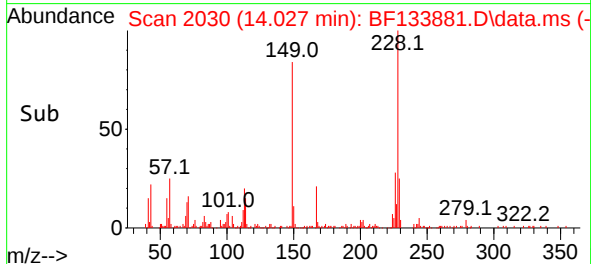
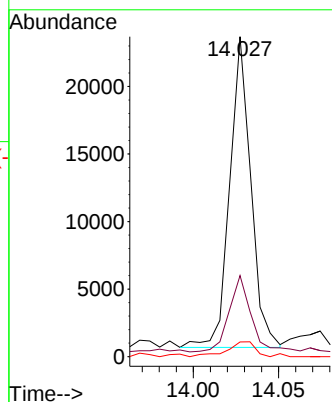
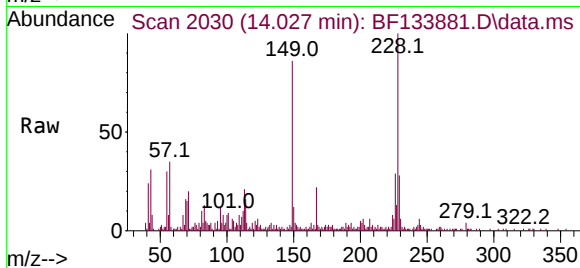




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.004 ng
RT: 14.027 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF133881.D
Acq: 21 Jun 2023 20:38

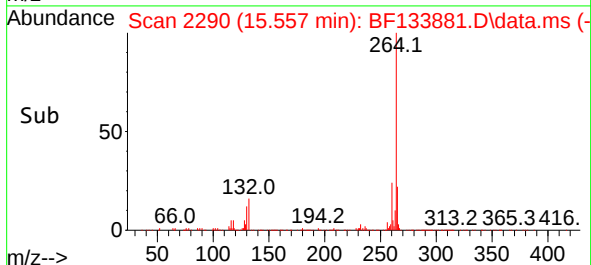
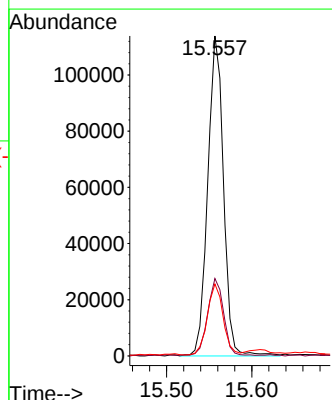
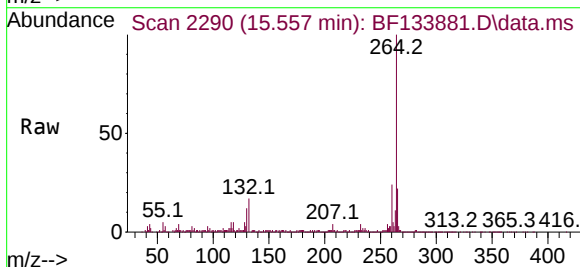
Instrument :
BNA_F
ClientSampleId :

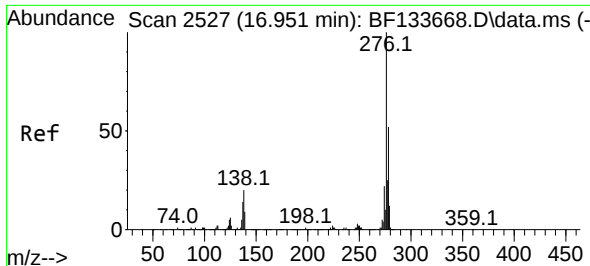
Tgt Ion:149 Resp: 19886
Ion Ratio Lower Upper
149 100
167 25.3 21.8 32.8
279 4.6 3.3 4.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2290
Delta R.T. 0.006 min
Lab File: BF133881.D
Acq: 21 Jun 2023 20:38

Tgt Ion:264 Resp: 146485
Ion Ratio Lower Upper
264 100
260 24.2 18.2 27.2
265 22.5 17.8 26.6

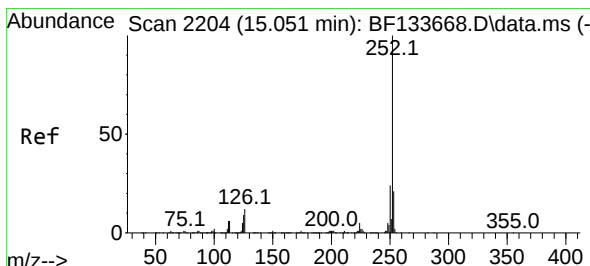
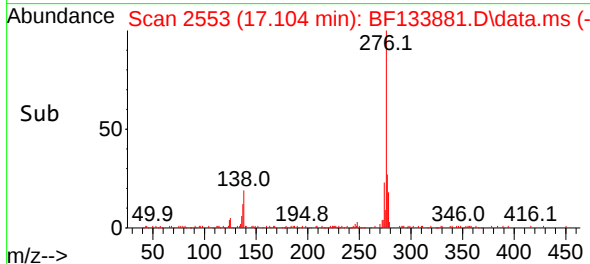
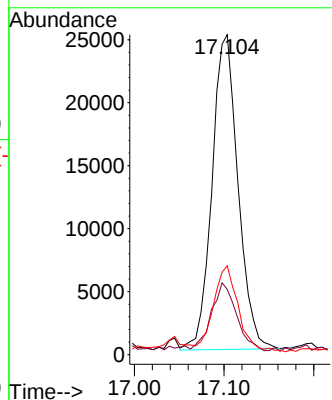
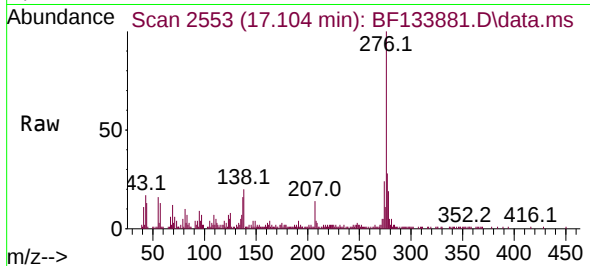




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.017 ng
 RT: 17.104 min Scan# 2114
 Delta R.T. 0.006 min
 Lab File: BF133881.D
 Acq: 21 Jun 2023 20:38

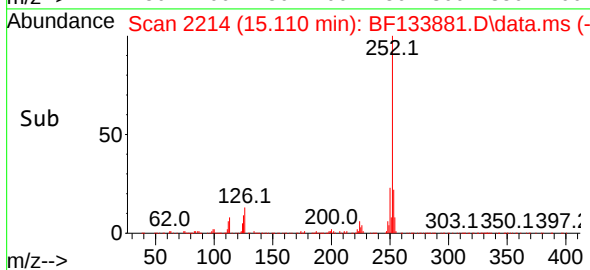
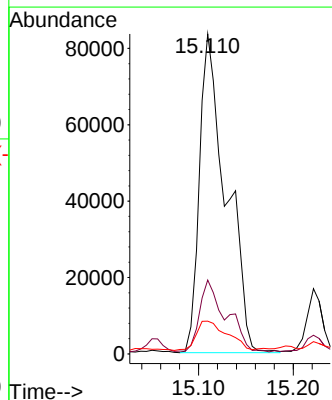
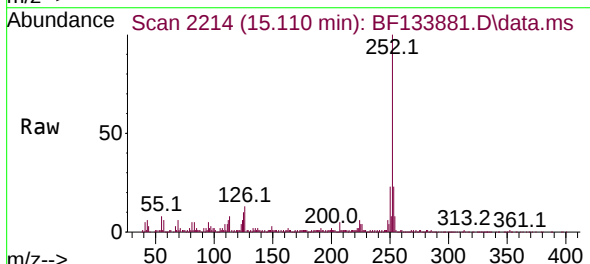
Instrument :
 BNA_F
 ClientSampleId :

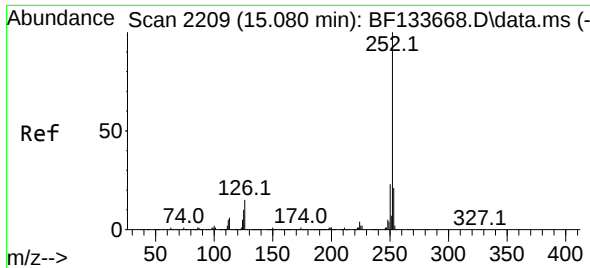
Tgt Ion:276 Resp: 50565
 Ion Ratio Lower Upper
 276 100
 138 20.7 17.9 26.9
 277 26.1 20.3 30.5



#88
 Benzo(b)fluoranthene
 Concen: 18.382 ng
 RT: 15.110 min Scan# 2214
 Delta R.T. 0.006 min
 Lab File: BF133881.D
 Acq: 21 Jun 2023 20:38

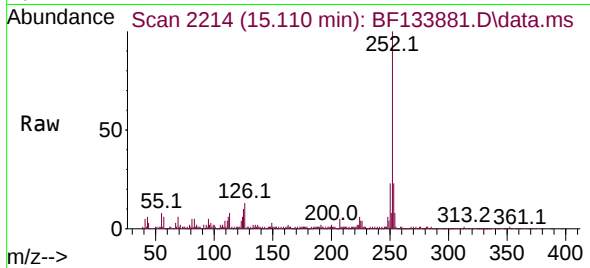
Tgt Ion:252 Resp: 163565
 Ion Ratio Lower Upper
 252 100
 253 23.1 17.0 25.6
 125 10.2 7.3 10.9



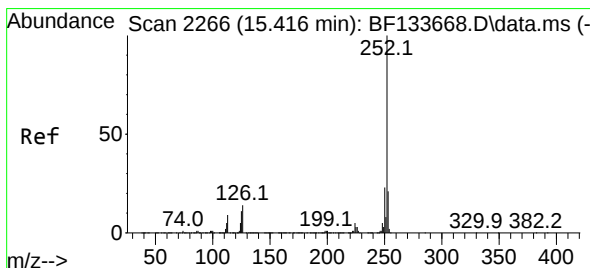
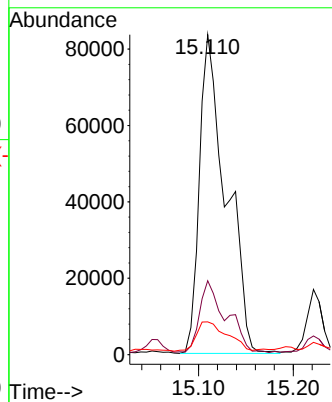
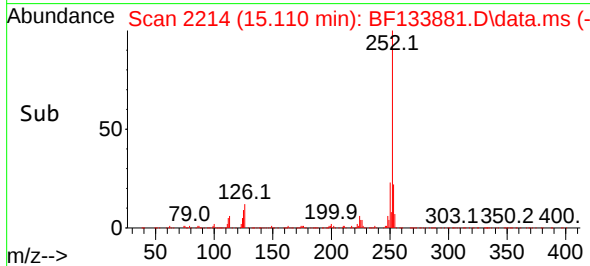


#89
Benzo(k)fluoranthene
Concen: 18.870 ng
RT: 15.110 min Scan# 2214
Delta R.T. -0.023 min
Lab File: BF133881.D
Acq: 21 Jun 2023 20:38

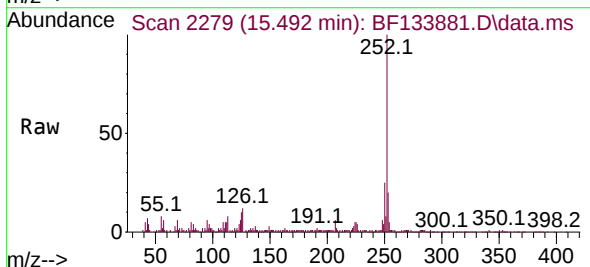
Instrument :
BNA_F
ClientSampleId :



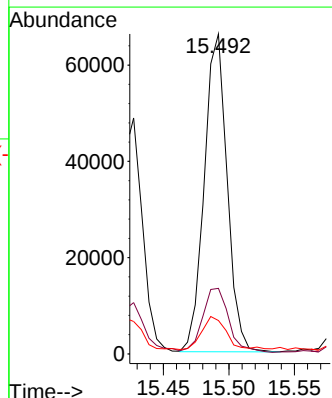
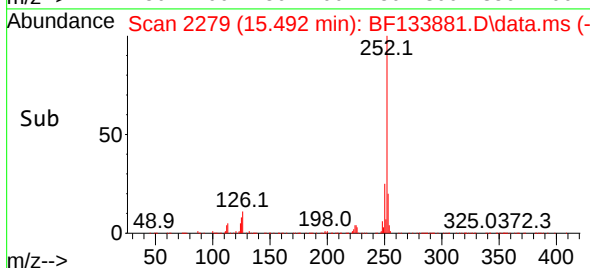
Tgt Ion:252 Resp: 163565
Ion Ratio Lower Upper
252 100
253 23.1 17.0 25.4
125 10.2 7.8 11.6

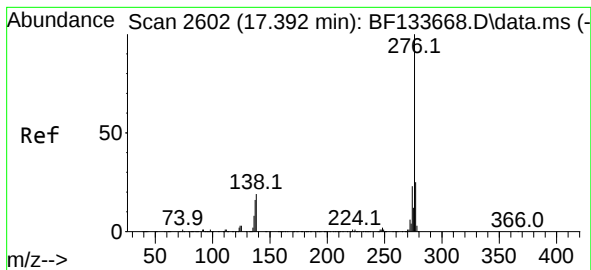


#90
Benzo(a)pyrene
Concen: 9.705 ng
RT: 15.492 min Scan# 2279
Delta R.T. 0.006 min
Lab File: BF133881.D
Acq: 21 Jun 2023 20:38



Tgt Ion:252 Resp: 80147
Ion Ratio Lower Upper
252 100
253 20.5 17.1 25.7
125 10.4 8.6 13.0





#92

Benzo(g,h,i)perylene

Concen: 5.916 ng

RT: 17.574 min Scan# 20

Delta R.T. 0.000 min

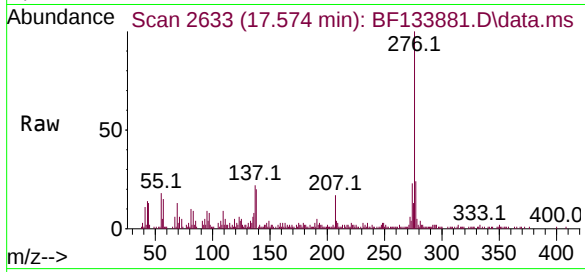
Lab File: BF133881.D

Acq: 21 Jun 2023 20:38

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:276 Resp: 48939

Ion Ratio Lower Upper

276 100

277 23.5 19.8 29.8

138 19.9 15.0 22.4

