

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060923\
 Data File : BF133679.D
 Acq On : 09 Jun 2023 16:51
 Operator : CG\JU
 Sample : 03071-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Jun 09 17:25:01 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 09 15:37:41 2023
 Response via : Initial Calibration

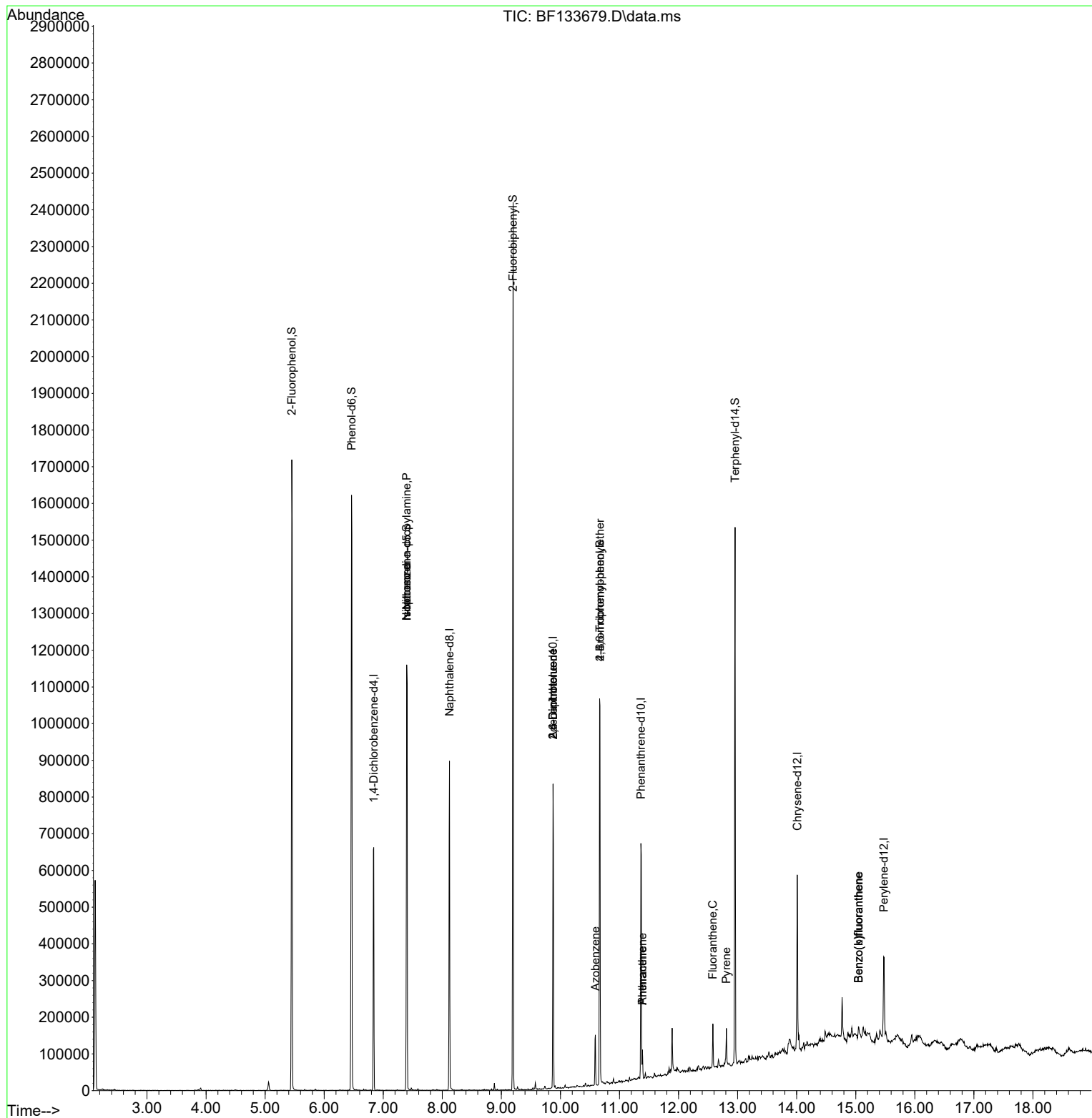
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	96393	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	349720	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	154401	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	239934	20.000	ng	0.00
76) Chrysene-d12	14.010	240	143978	20.000	ng	0.00
86) Perylene-d12	15.474	264	105822	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	449121	81.113	ng	0.00
7) Phenol-d6	6.463	99	547724	75.996	ng	0.00
23) Nitrobenzene-d5	7.398	82	368518	57.394	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	129580	66.300	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	633726	58.345	ng	0.00
79) Terphenyl-d14	12.957	244	457716	49.191	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.398	70	51672	11.268	ng	# 80
25) Isophorone	7.398	82	366301	31.074	ng	# 65
51) 2,6-Dinitrotoluene	9.875	165	19574	8.228	ng	# 28
57) 2,4-Dinitrotoluene	9.875	165	19574	6.470	ng	# 20
63) Azobenzene	10.592	77	24195	2.179	ng	# 1
67) 4-Bromophenyl-phenylether	10.669	248	8041	3.003	ng	# 1
71) Phenanthrene	11.386	178	25789	2.119	ng	99
72) Anthracene	11.386	178	25789	2.032	ng	98
75) Fluoranthene	12.580	202	42936	3.321	ng	99
78) Pyrene	12.810	202	38239	2.851	ng	98
88) Benzo(b)fluoranthene	15.051	252	22179	3.450	ng	# 89
89) Benzo(k)fluoranthene	15.051	252	22179	3.542	ng	# 89

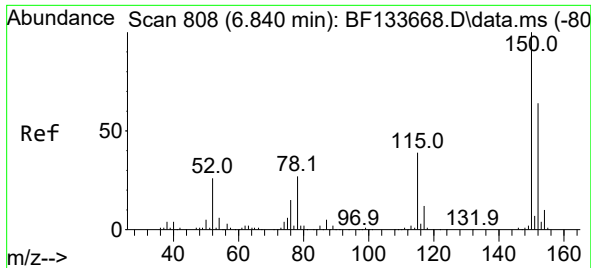
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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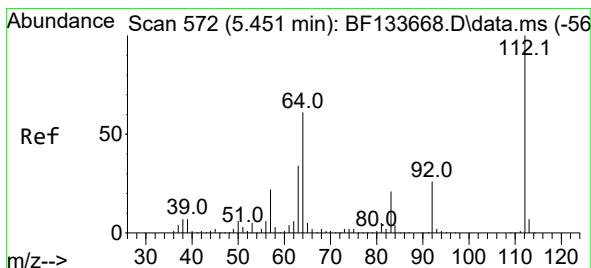
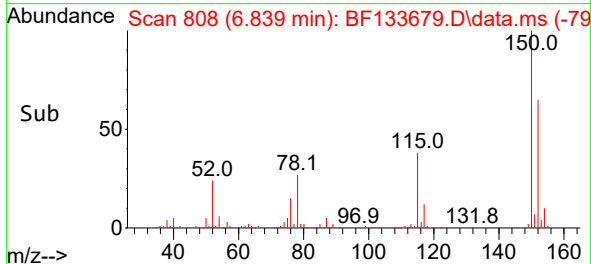
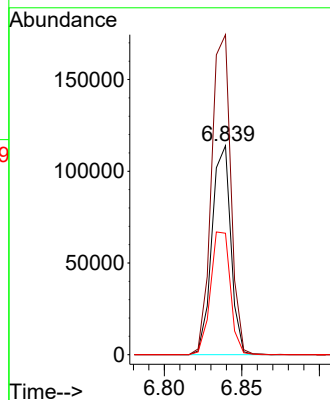
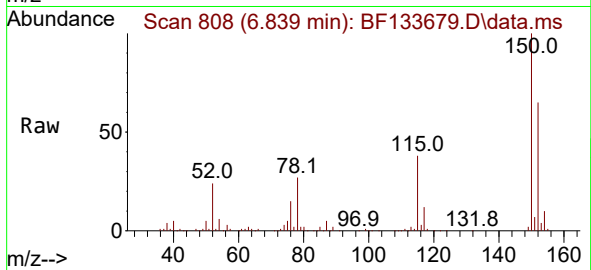




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 808
Delta R.T. -0.001 min
Lab File: BF133679.D
Acq: 09 Jun 2023 16:51

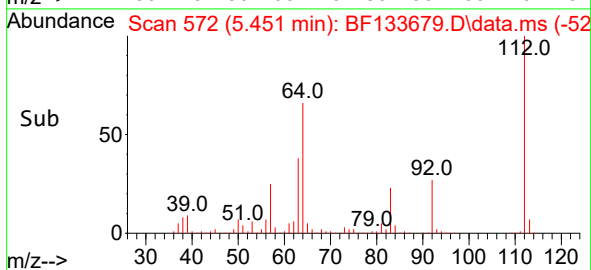
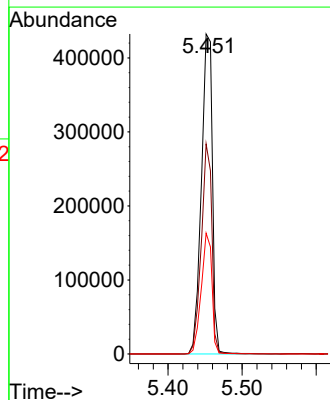
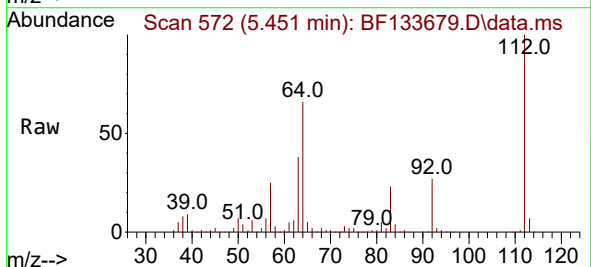
Instrument :
BNA_F
ClientSampleId :
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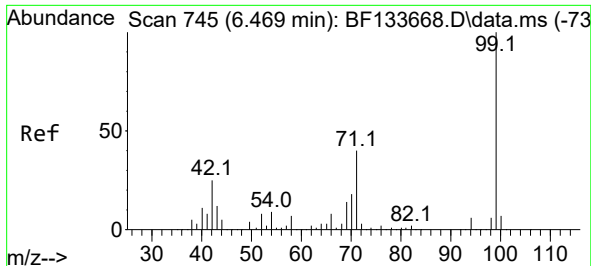
Tgt Ion:152 Resp: 96393
Ion Ratio Lower Upper
152 100
150 153.1 124.3 186.5
115 58.1 48.5 72.7



#5
2-Fluorophenol
Concen: 81.113 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.000 min
Lab File: BF133679.D
Acq: 09 Jun 2023 16:51

Tgt Ion:112 Resp: 449121
Ion Ratio Lower Upper
112 100
64 65.7 49.0 73.4
63 37.8 26.8 40.2

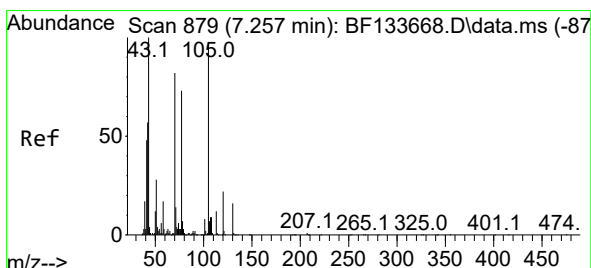
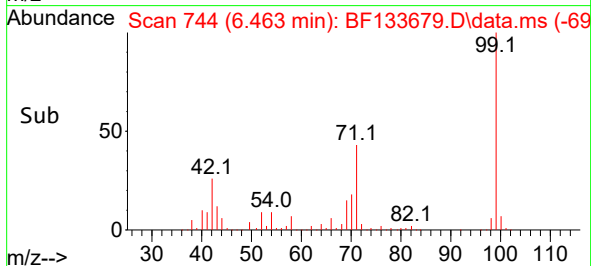
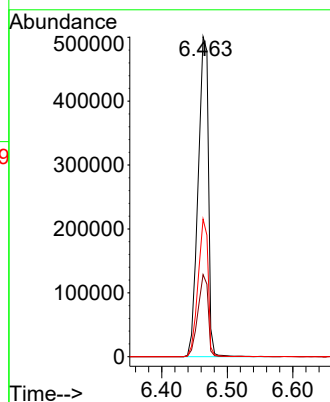
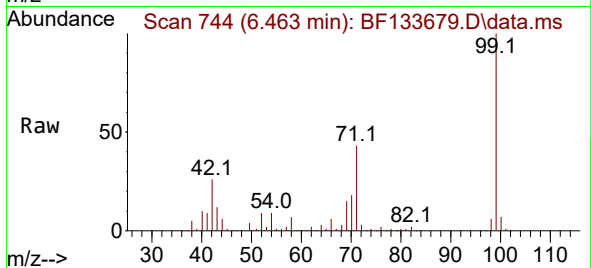




#7
Phenol-d6
Concen: 75.996 ng
RT: 6.463 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF133679.D
Acq: 09 Jun 2023 16:51

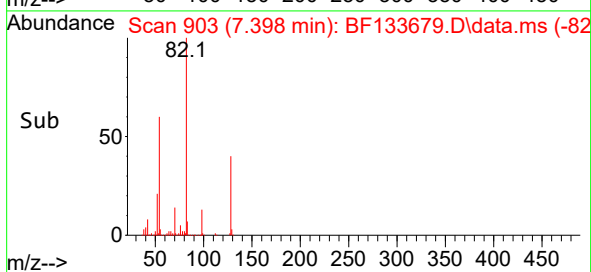
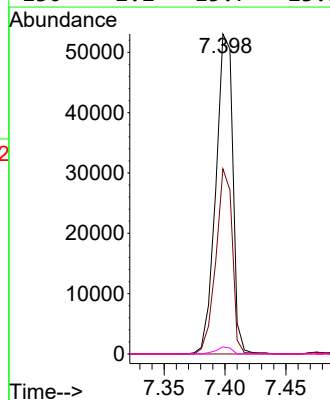
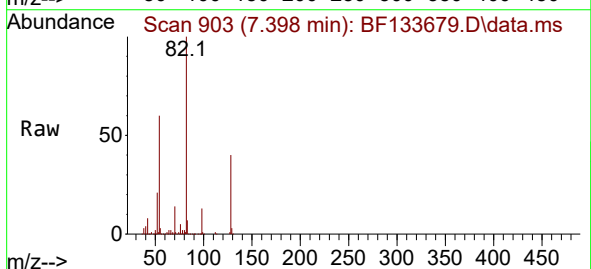
Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion: 99 Resp: 547724
Ion Ratio Lower Upper
99 100
42 25.7 19.9 29.9
71 43.0 32.2 48.4



#19
n-Nitroso-di-n-propylamine
Concen: 11.268 ng
RT: 7.398 min Scan# 903
Delta R.T. 0.141 min
Lab File: BF133679.D
Acq: 09 Jun 2023 16:51

Tgt Ion: 70 Resp: 51672
Ion Ratio Lower Upper
70 100
42 57.9 55.8 83.8
101 0.0 8.1 12.1#
130 2.2 15.7 23.5#

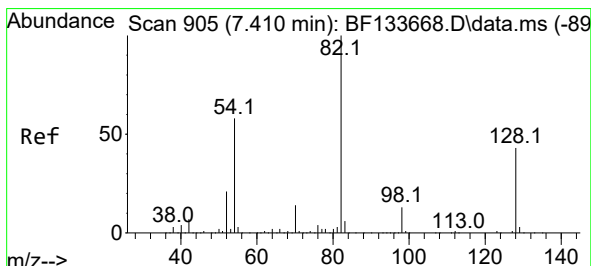
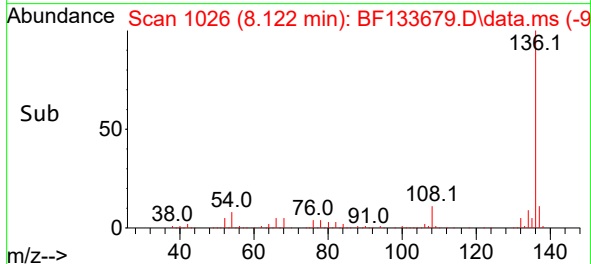
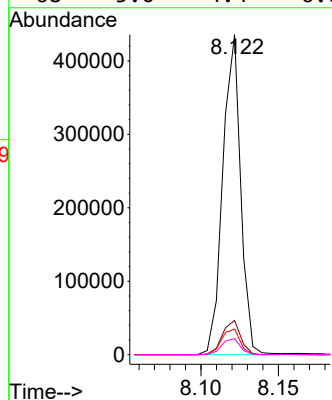
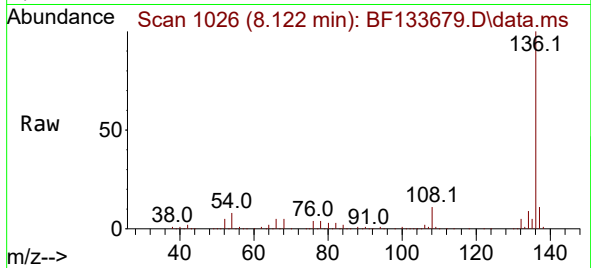




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF133679.D
Acq: 09 Jun 2023 16:51

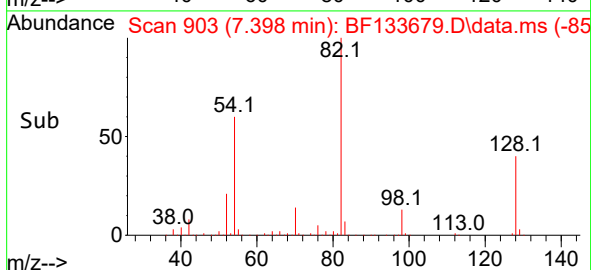
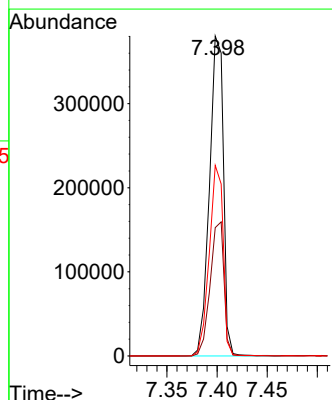
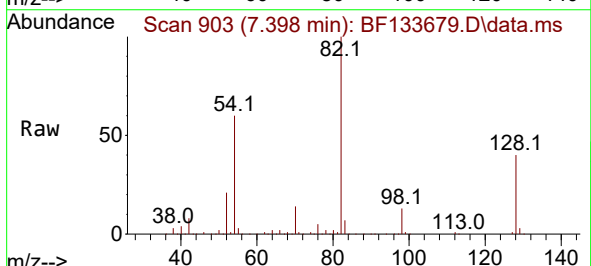
Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:136 Resp: 349720
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 8.0 7.4 11.0
68 5.0 4.4 6.6



#23
Nitrobenzene-d5
Concen: 57.394 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.012 min
Lab File: BF133679.D
Acq: 09 Jun 2023 16:51

Tgt Ion: 82 Resp: 368518
Ion Ratio Lower Upper
82 100
128 40.1 34.2 51.2
54 59.5 46.5 69.7

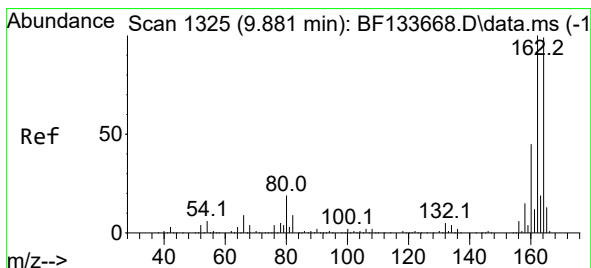
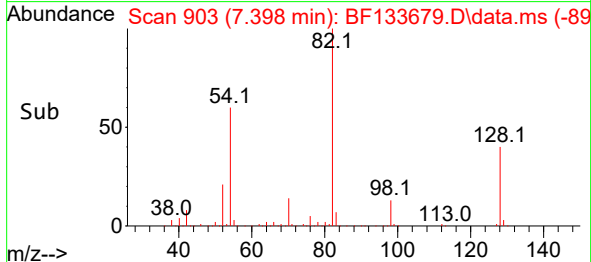
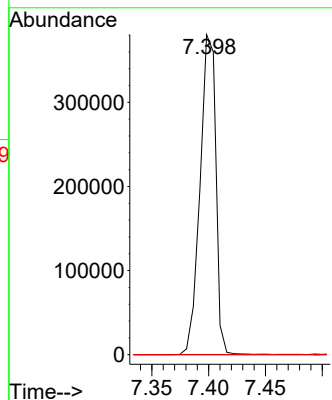
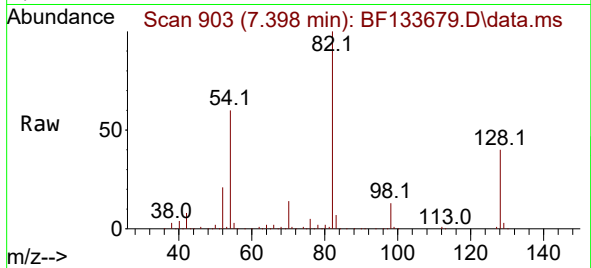




#25
Isophorone
Concen: 31.074 ng
RT: 7.398 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF133679.D
Acq: 09 Jun 2023 16:51

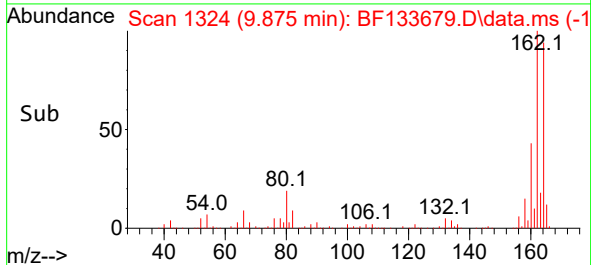
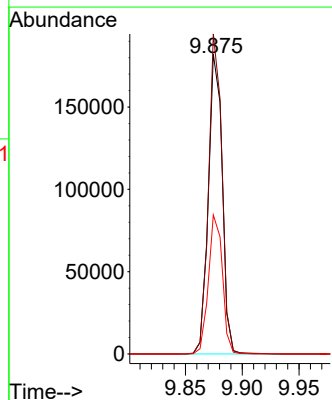
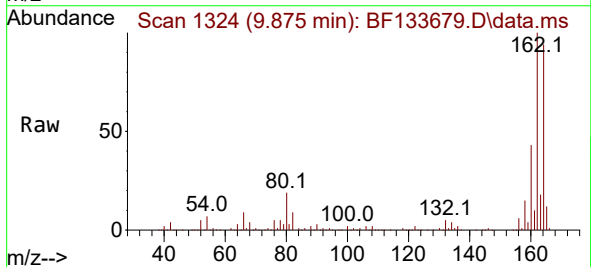
Instrument :
BNA_F
ClientSampleId :
WC-1

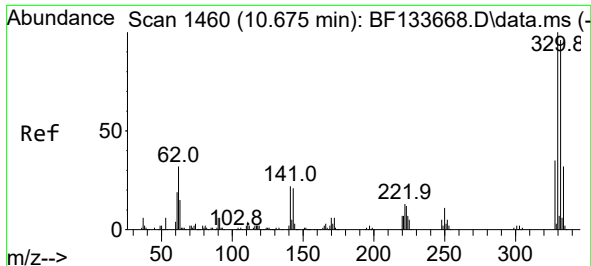
Tgt Ion: 82 Resp: 366301
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF133679.D
Acq: 09 Jun 2023 16:51

Tgt Ion:164 Resp: 154401
Ion Ratio Lower Upper
164 100
162 106.7 80.8 121.2
160 46.4 36.7 55.1

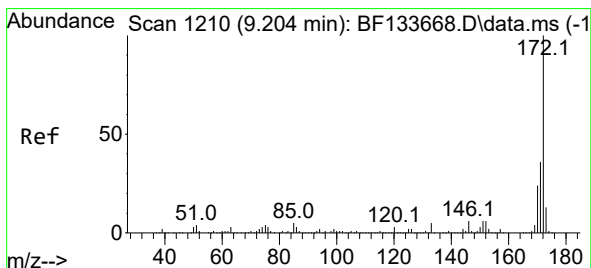
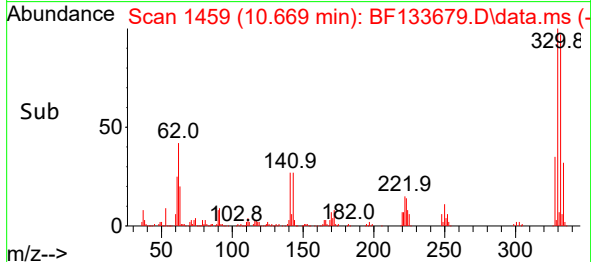
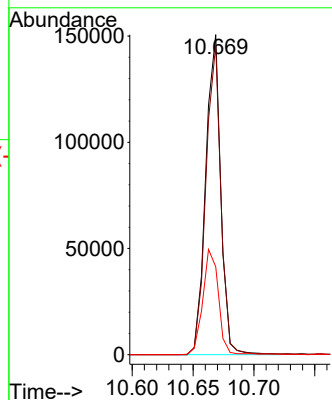
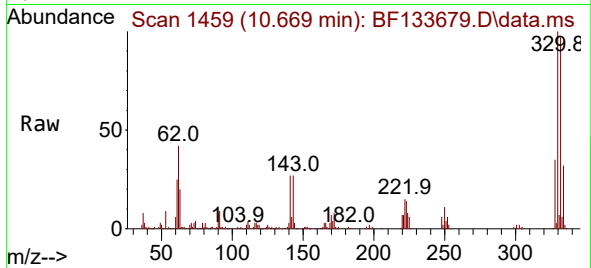




#42
 2,4,6-Tribromophenol
 Concen: 66.300 ng
 RT: 10.669 min Scan# 1460
 Delta R.T. -0.006 min
 Lab File: BF133679.D
 Acq: 09 Jun 2023 16:51

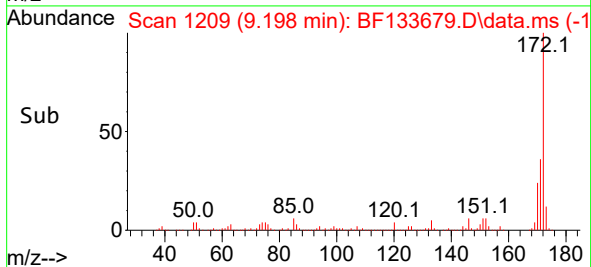
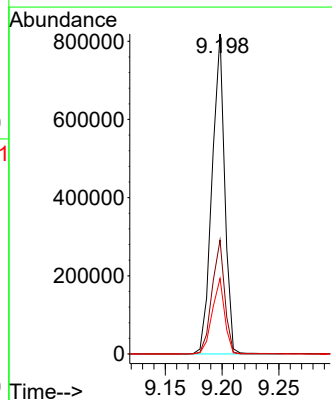
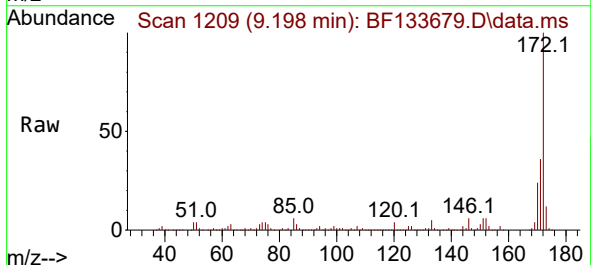
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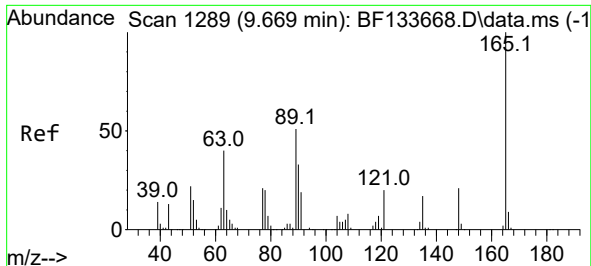
Tgt Ion:330 Resp: 129580
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.2 115.8
 141 34.5 24.9 37.3



#45
 2-Fluorobiphenyl
 Concen: 58.345 ng
 RT: 9.198 min Scan# 1209
 Delta R.T. -0.006 min
 Lab File: BF133679.D
 Acq: 09 Jun 2023 16:51

Tgt Ion:172 Resp: 633726
 Ion Ratio Lower Upper
 172 100
 171 35.6 28.6 43.0
 170 23.6 19.1 28.7

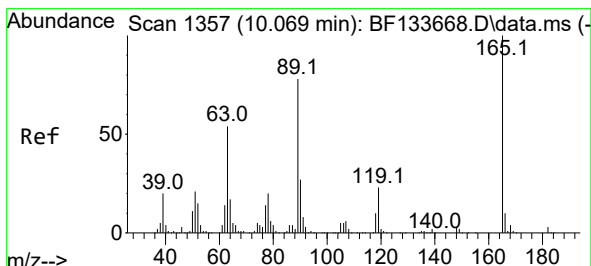
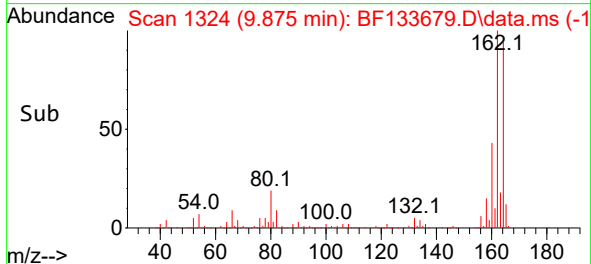
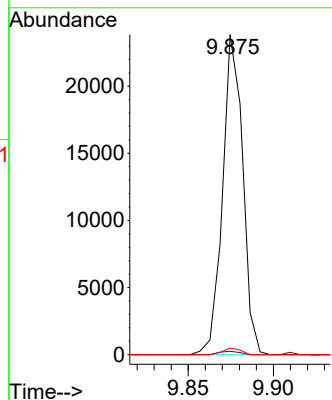
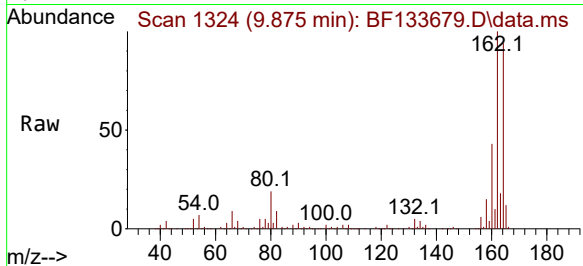




#51
2,6-Dinitrotoluene
Concen: 8.228 ng
RT: 9.875 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF133679.D
Acq: 09 Jun 2023 16:51

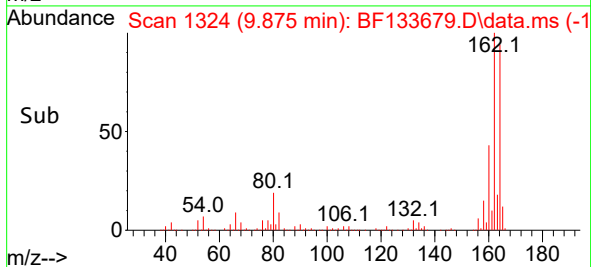
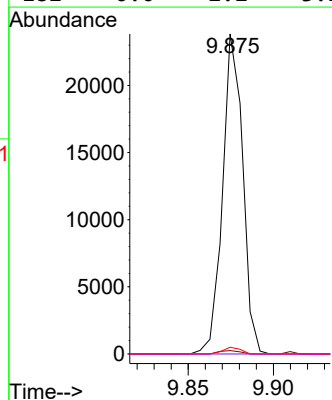
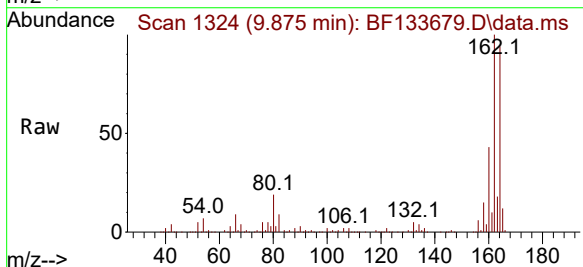
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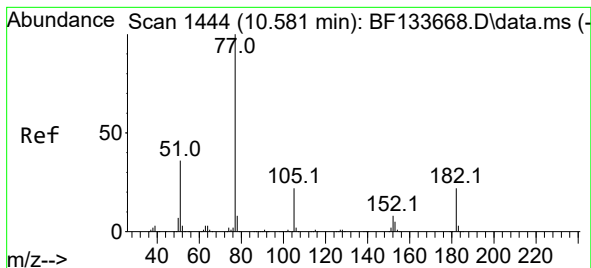
Tgt Ion:165 Resp: 19574
Ion Ratio Lower Upper
165 100
63 1.0 42.1 63.1#
89 2.1 40.9 61.3#



#57
2,4-Dinitrotoluene
Concen: 6.470 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.194 min
Lab File: BF133679.D
Acq: 09 Jun 2023 16:51

Tgt Ion:165 Resp: 19574
Ion Ratio Lower Upper
165 100
63 1.0 43.0 64.6#
89 2.1 62.6 93.8#
182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 2.179 ng

RT: 10.592 min Scan# 1446

Delta R.T. 0.011 min

Lab File: BF133679.D

Acq: 09 Jun 2023 16:51

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion: 77 Resp: 24195

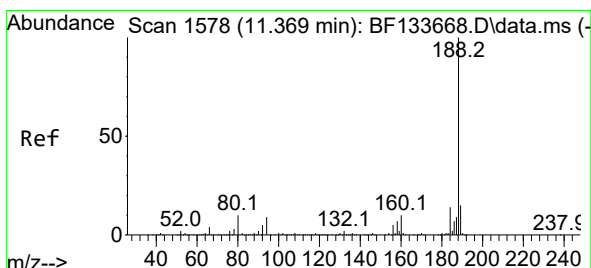
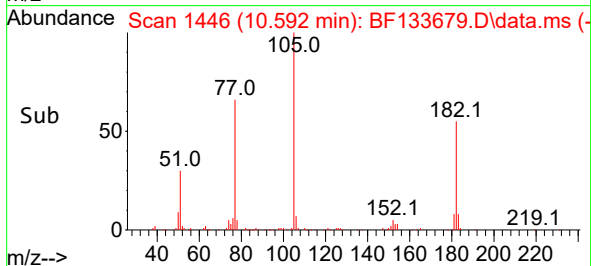
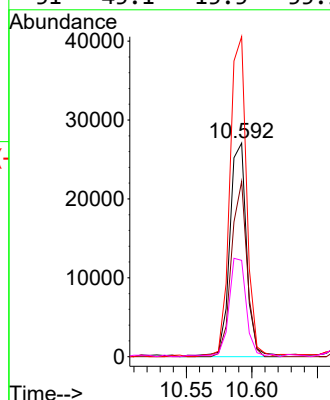
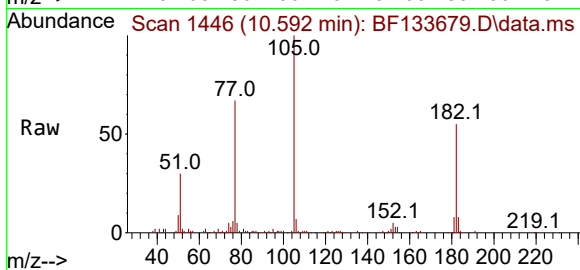
Ion Ratio Lower Upper

77 100

182 82.1 1.6 41.6#

105 149.9 1.6 41.6#

51 45.1 15.5 55.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.363 min Scan# 1577

Delta R.T. -0.006 min

Lab File: BF133679.D

Acq: 09 Jun 2023 16:51

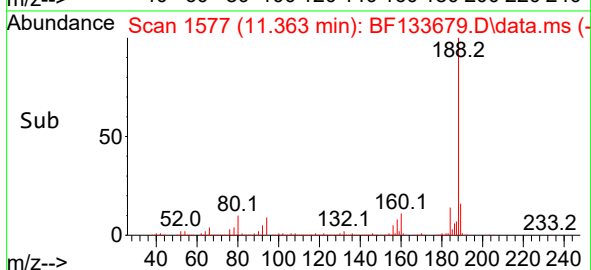
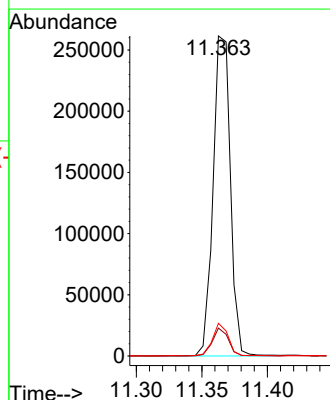
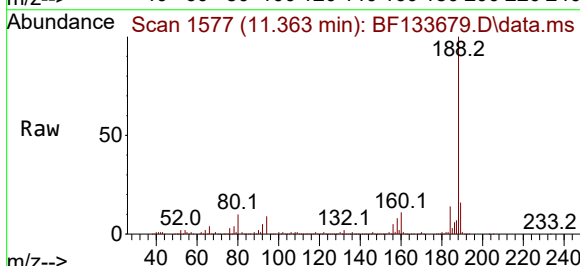
Tgt Ion:188 Resp: 239934

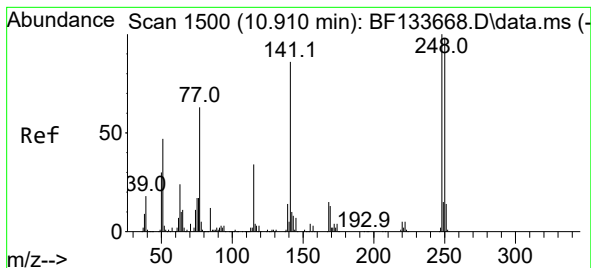
Ion Ratio Lower Upper

188 100

94 8.7 6.8 10.2

80 10.2 7.8 11.6

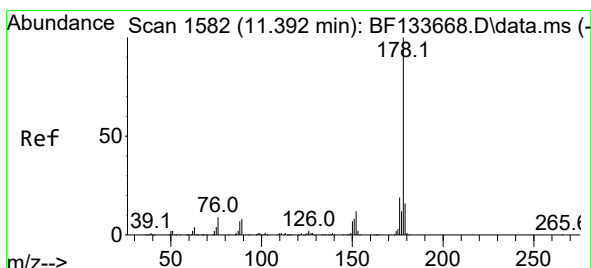
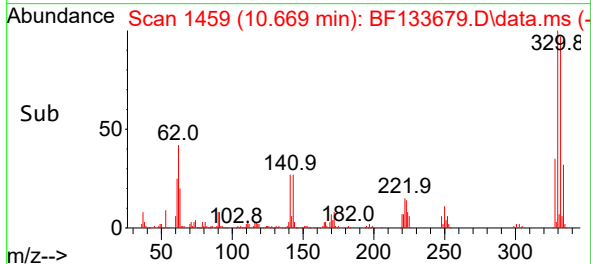
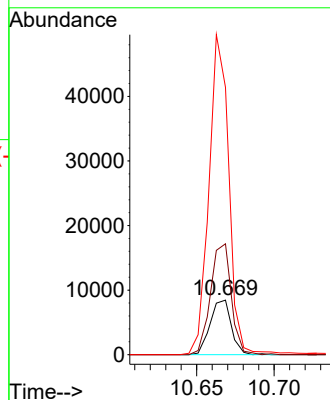
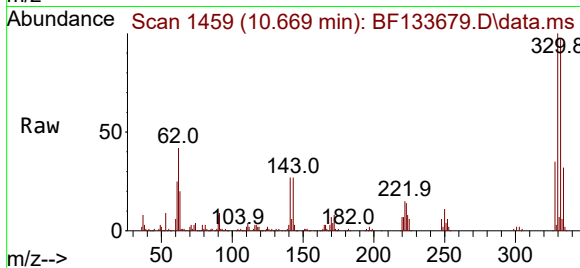




#67
4-Bromophenyl-phenylether
Concen: 3.003 ng
RT: 10.669 min Scan# 1459
Delta R.T. -0.241 min
Lab File: BF133679.D
Acq: 09 Jun 2023 16:51

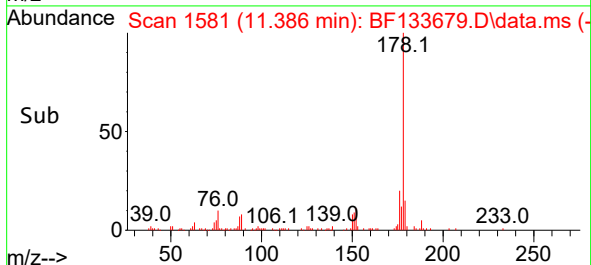
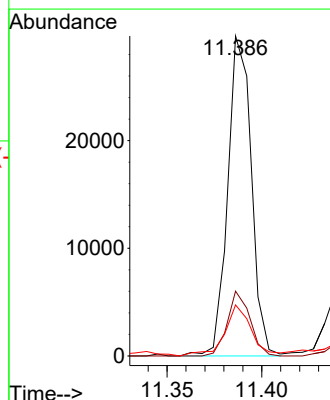
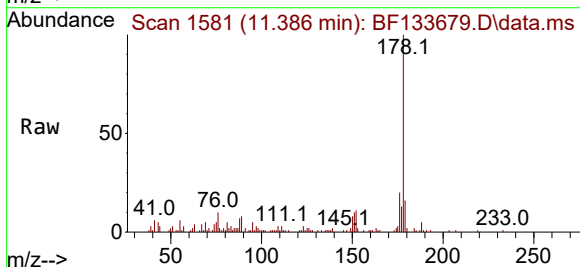
Instrument :
BNA_F
ClientSampleId :
WC-1

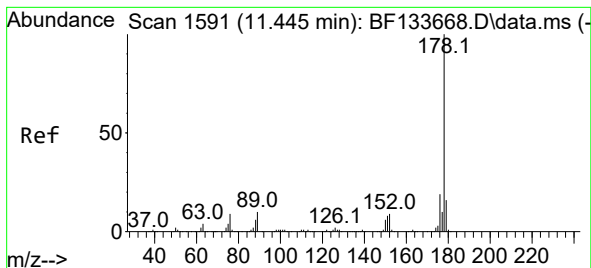
Tgt Ion:248 Resp: 8041
Ion Ratio Lower Upper
248 100
250 203.6 78.3 117.5#
141 490.4 69.0 103.6#



#71
Phenanthrene
Concen: 2.119 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF133679.D
Acq: 09 Jun 2023 16:51

Tgt Ion:178 Resp: 25789
Ion Ratio Lower Upper
178 100
176 20.2 15.6 23.4
179 16.0 12.4 18.6





#72

Anthracene

Concen: 2.032 ng

RT: 11.386 min Scan# 1

Delta R.T. -0.059 min

Lab File: BF133679.D

Acq: 09 Jun 2023 16:51

Instrument :

BNA_F

ClientSampleId :

WC-1

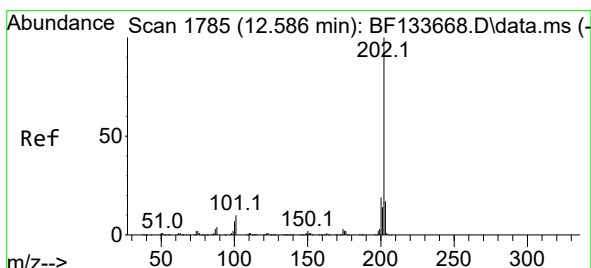
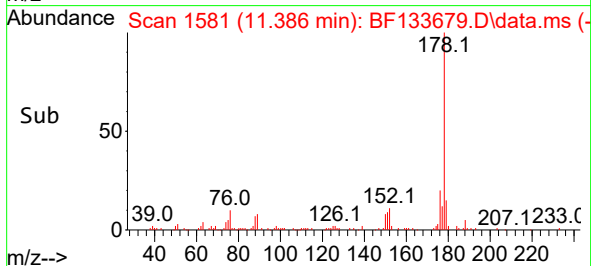
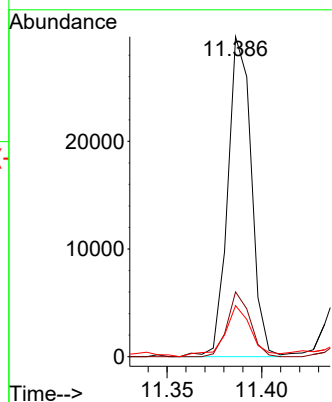
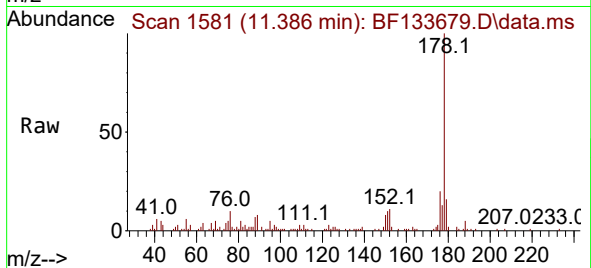
Tgt Ion:178 Resp: 25789

Ion Ratio Lower Upper

178 100

176 20.2 15.1 22.7

179 16.0 12.6 18.8



#75

Fluoranthene

Concen: 3.321 ng

RT: 12.580 min Scan# 1784

Delta R.T. -0.006 min

Lab File: BF133679.D

Acq: 09 Jun 2023 16:51

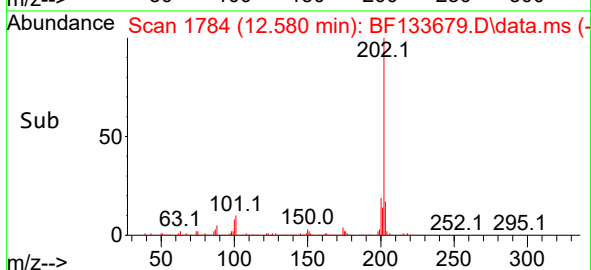
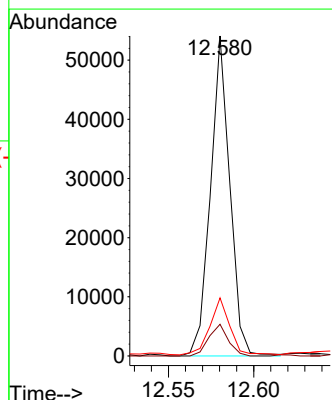
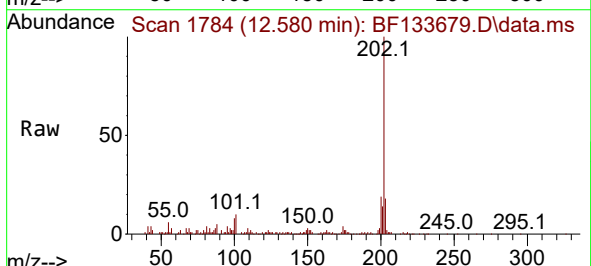
Tgt Ion:202 Resp: 42936

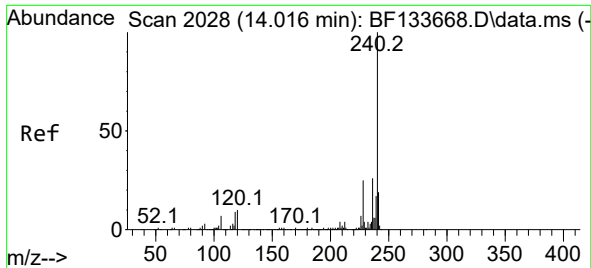
Ion Ratio Lower Upper

202 100

101 9.9 0.0 29.6

203 18.2 0.0 37.4

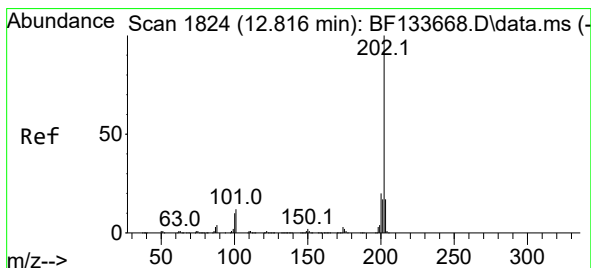
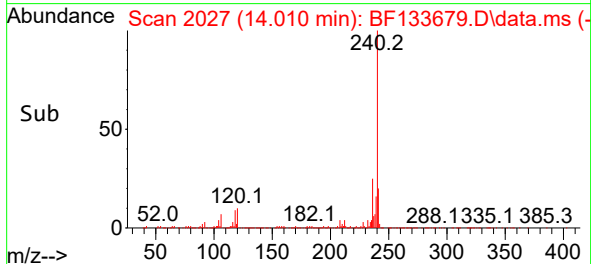
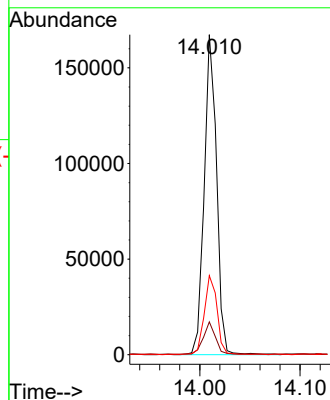
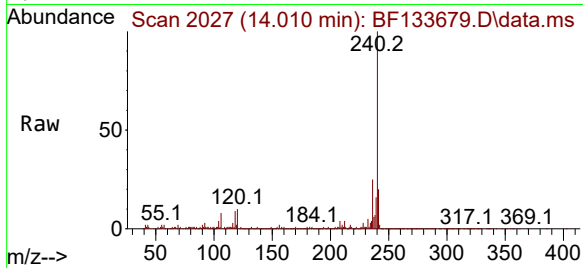




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF133679.D
Acq: 09 Jun 2023 16:51

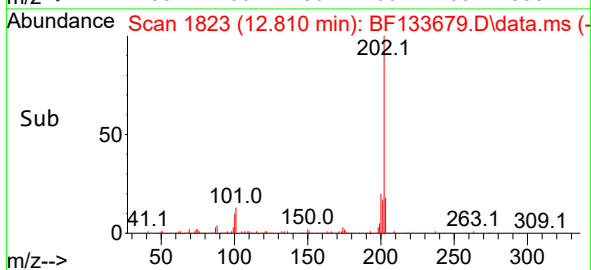
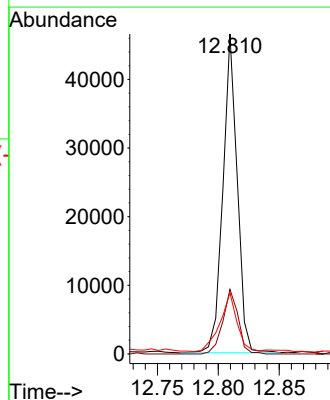
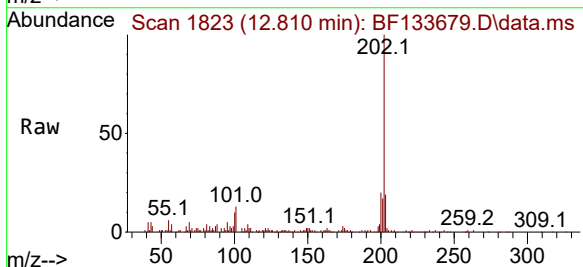
Instrument :
BNA_F
ClientSampleId :
WC-1

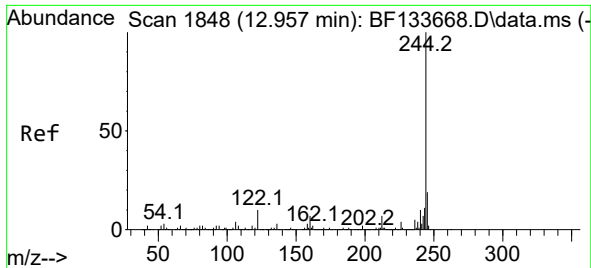
Tgt Ion:240 Resp: 143978
Ion Ratio Lower Upper
240 100
120 10.2 8.1 12.1
236 24.7 20.5 30.7



#78
Pyrene
Concen: 2.851 ng
RT: 12.810 min Scan# 1823
Delta R.T. -0.006 min
Lab File: BF133679.D
Acq: 09 Jun 2023 16:51

Tgt Ion:202 Resp: 38239
Ion Ratio Lower Upper
202 100
200 20.2 16.2 24.2
203 19.1 13.9 20.9

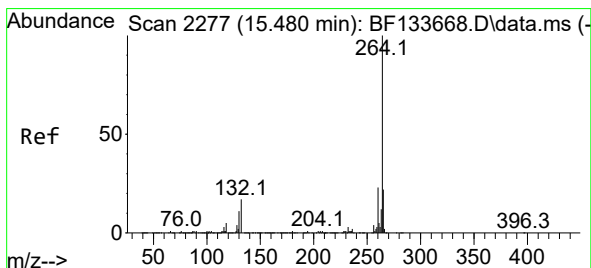
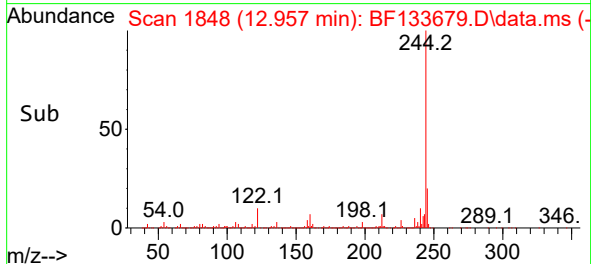
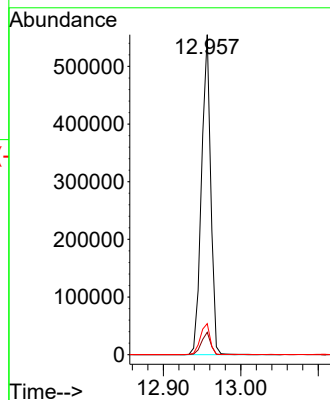
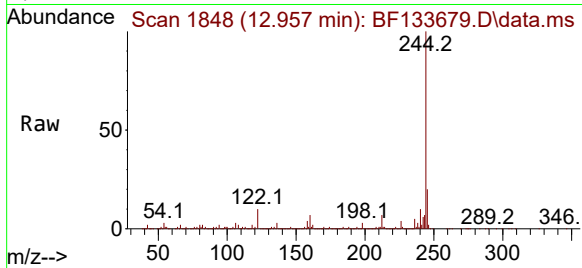




#79
 Terphenyl-d14
 Concen: 49.191 ng
 RT: 12.957 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF133679.D
 Acq: 09 Jun 2023 16:51

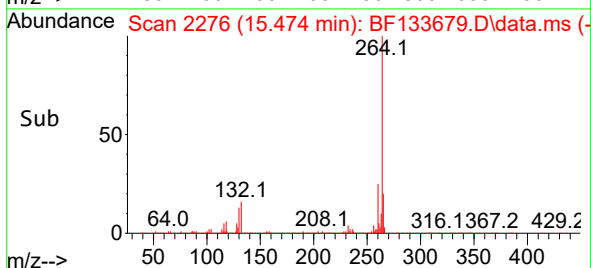
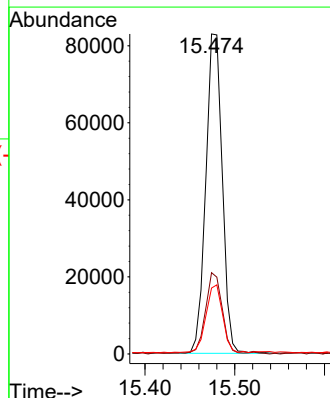
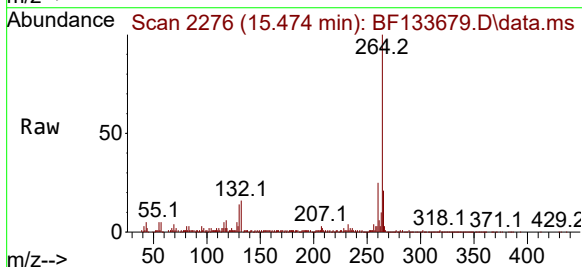
Instrument :
 BNA_F
 ClientSampleId :
 WC-1

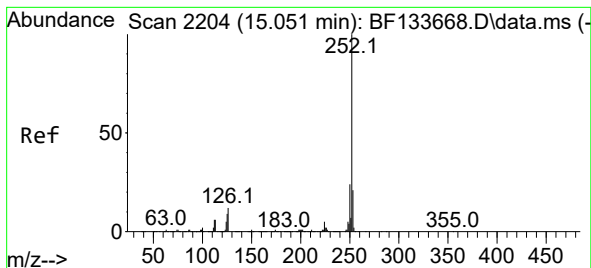
Tgt Ion:244 Resp: 457716
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.2
 122 9.7 8.1 12.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.474 min Scan# 2276
 Delta R.T. -0.006 min
 Lab File: BF133679.D
 Acq: 09 Jun 2023 16:51

Tgt Ion:264 Resp: 105822
 Ion Ratio Lower Upper
 264 100
 260 25.4 18.2 27.2
 265 20.6 17.8 26.6





#88

Benzo(b)fluoranthene

Concen: 3.450 ng

RT: 15.051 min Scan# 2204

Delta R.T. -0.000 min

Lab File: BF133679.D

Acq: 09 Jun 2023 16:51

Instrument :

BNA_F

ClientSampleId :

WC-1

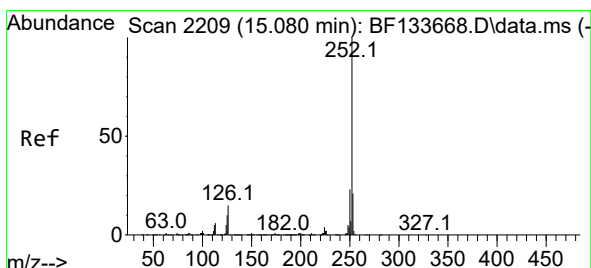
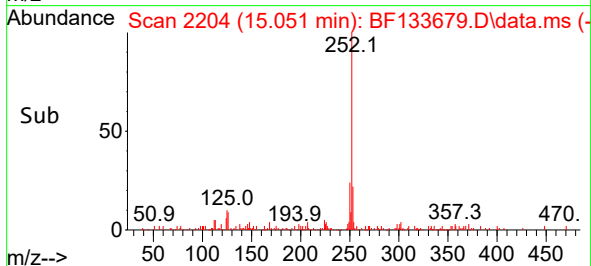
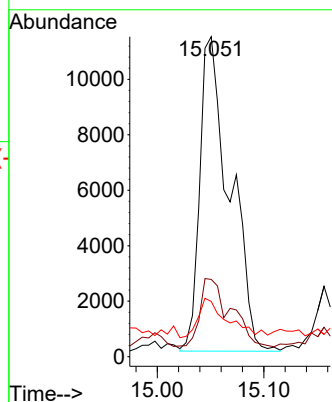
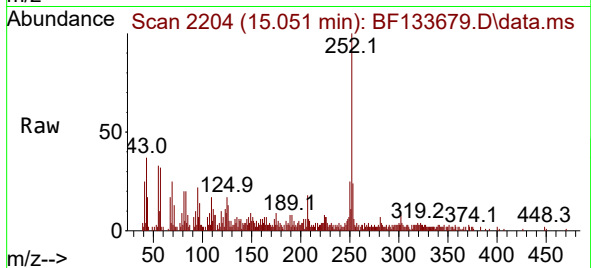
Tgt Ion:252 Resp: 22179

Ion Ratio Lower Upper

252 100

253 24.1 17.0 25.6

125 17.3 7.3 10.9#



#89

Benzo(k)fluoranthene

Concen: 3.542 ng

RT: 15.051 min Scan# 2204

Delta R.T. -0.030 min

Lab File: BF133679.D

Acq: 09 Jun 2023 16:51

Tgt Ion:252 Resp: 22179

Ion Ratio Lower Upper

252 100

253 24.1 17.0 25.4

125 17.3 7.8 11.6#

