

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060923\
 Data File : BF133678.D
 Acq On : 09 Jun 2023 16:18
 Operator : CG\JU
 Sample : 03068-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-2-060623

Quant Time: Jun 09 16:47:58 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

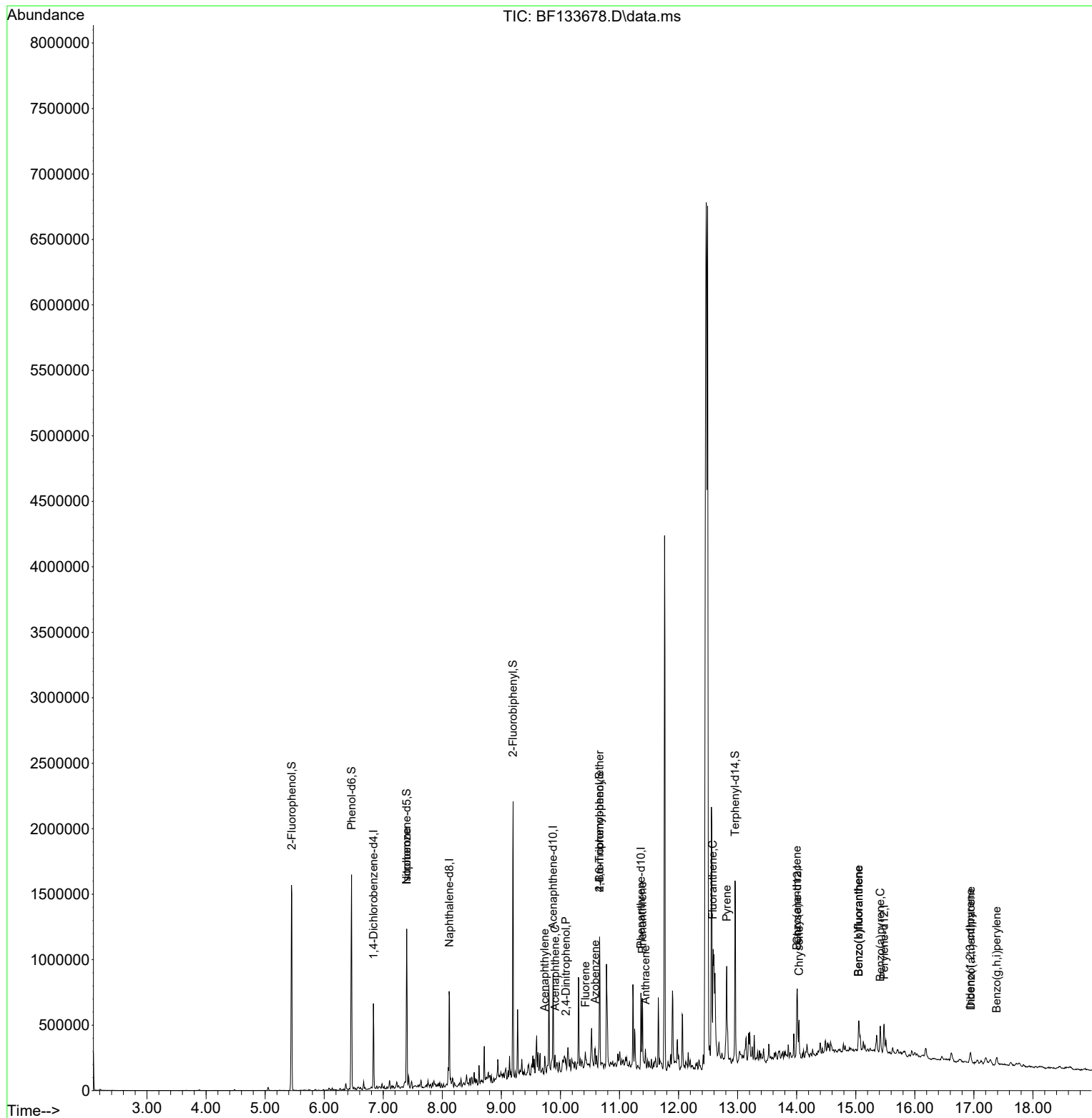
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	83060	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	293090	20.000	ng	0.00
39) Acenaphthene-d10	9.874	164	125964	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	202331	20.000	ng	0.00
76) Chrysene-d12	14.010	240	127831	20.000	ng	0.00
86) Perylene-d12	15.480	264	102268	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	421050	88.250	ng	0.00
7) Phenol-d6	6.463	99	486439	78.327	ng	0.00
23) Nitrobenzene-d5	7.398	82	331859	61.671	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	109078	68.410	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	561775	63.397	ng	0.00
79) Terphenyl-d14	12.957	244	452451	54.767	ng	0.00
Target Compounds						
25) Isophorone	7.398	82	331859	33.592	ng	# 66
49) Acenaphthylene	9.733	152	38724	3.053	ng	96
52) Acenaphthene	9.910	154	15103	2.034	ng	98
54) 2,4-Dinitrophenol	10.092	184	59	5.774	ng	# 1
58) Fluorene	10.422	166	27818	3.211	ng	96
63) Azobenzene	10.586	77	21785	2.405	ng	# 1
67) 4-Bromophenyl-phenylether	10.663	248	7170	3.175	ng	# 1
71) Phenanthrene	11.386	178	185336	18.055	ng	100
72) Anthracene	11.439	178	49244	4.601	ng	97
75) Fluoranthene	12.580	202	291592	26.749	ng	99
78) Pyrene	12.815	202	301918	25.354	ng	99
81) Benzo(a)anthracene	14.004	228	125409	14.183	ng	91
83) Chrysene	14.039	228	120989	14.467	ng	97
87) Indeno(1,2,3-cd)pyrene	16.939	276	53937	7.666	ng	96
88) Benzo(b)fluoranthene	15.051	252	165836	26.695	ng	97
89) Benzo(k)fluoranthene	15.051	252	165836	27.404	ng	97
90) Benzo(a)pyrene	15.415	252	96133	16.674	ng	97
91) Dibenzo(a,h)anthracene	16.951	278	14025	2.408	ng	# 77
92) Benzo(g,h,i)perylene	17.386	276	52577	9.104	ng	# 95

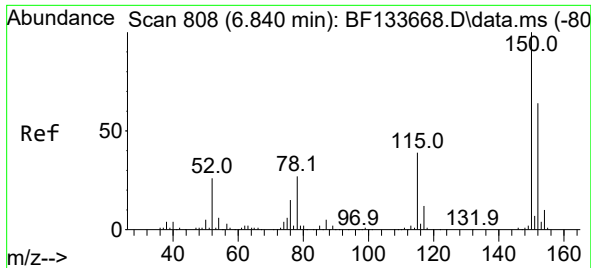
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060923\
Data File : BF133678.D
Acq On : 09 Jun 2023 16:18
Operator : CG\JU
Sample : 03068-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-2-060623

Quant Time: Jun 09 16:47:58 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

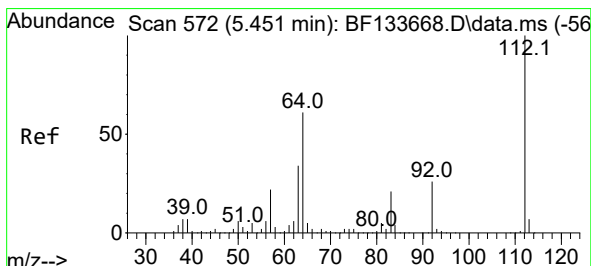
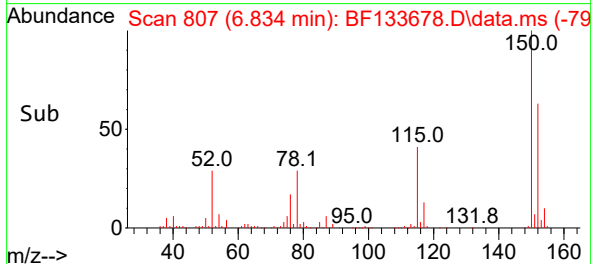
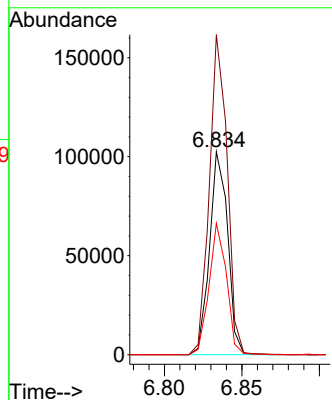
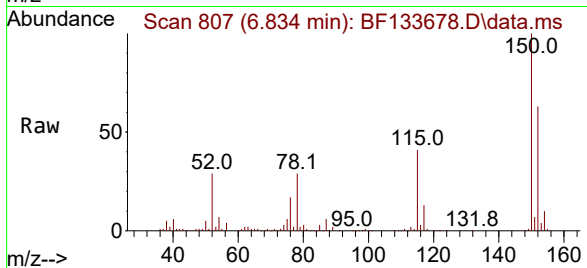




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF133678.D
Acq: 09 Jun 2023 16:18

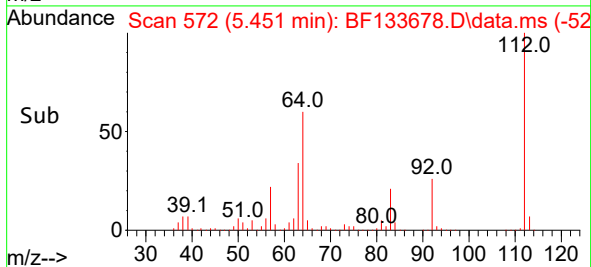
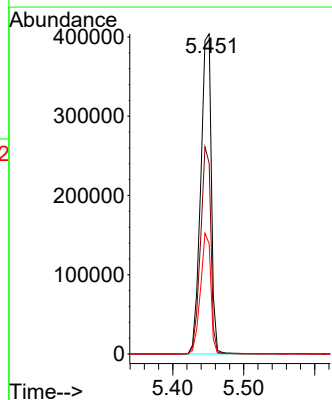
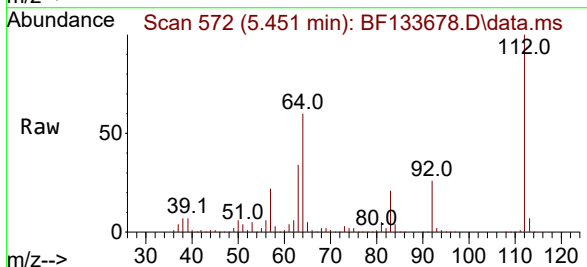
Instrument :
BNA_F
ClientSampleId :
SU-2-060623

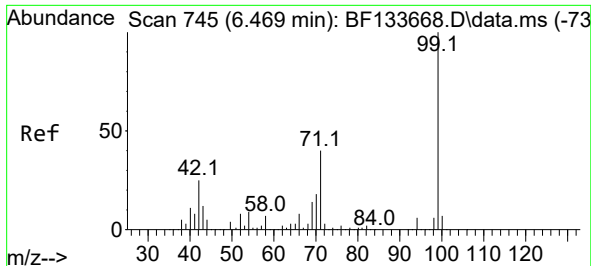
Tgt Ion:152 Resp: 83060
Ion Ratio Lower Upper
152 100
150 157.7 124.3 186.5
115 64.7 48.5 72.7



#5
2-Fluorophenol
Concen: 88.250 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.000 min
Lab File: BF133678.D
Acq: 09 Jun 2023 16:18

Tgt Ion:112 Resp: 421050
Ion Ratio Lower Upper
112 100
64 59.6 49.0 73.4
63 34.5 26.8 40.2

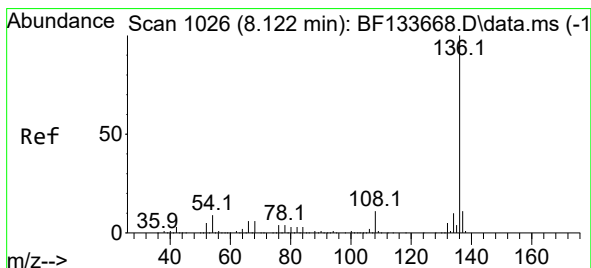
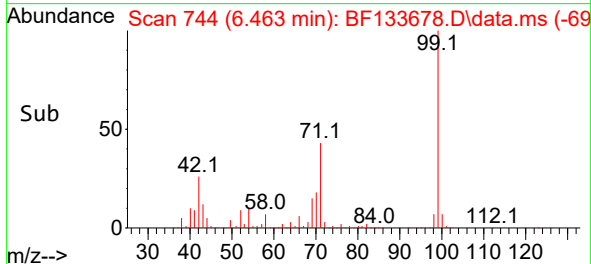
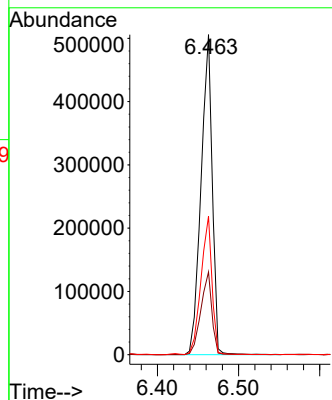
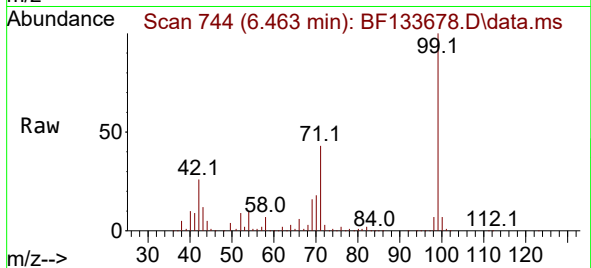




#7
Phenol-d6
Concen: 78.327 ng
RT: 6.463 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF133678.D
Acq: 09 Jun 2023 16:18

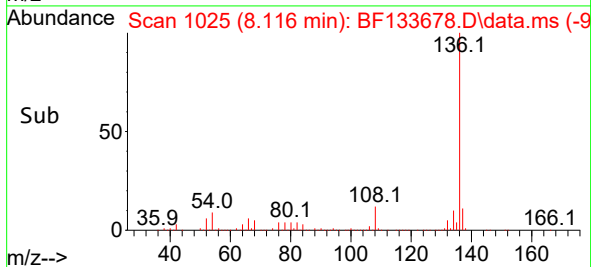
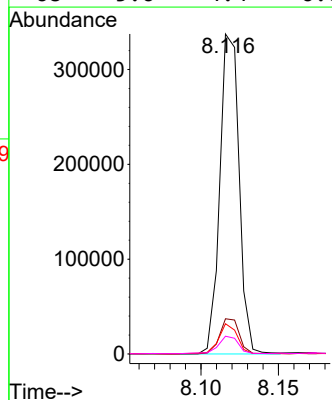
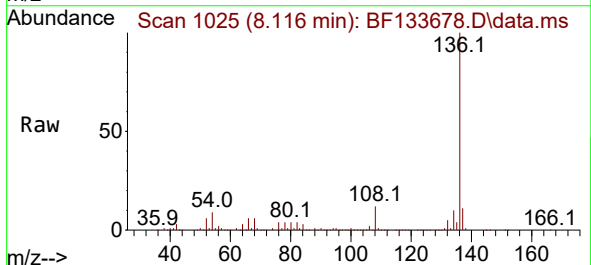
Instrument :
BNA_F
ClientSampleId :
SU-2-060623

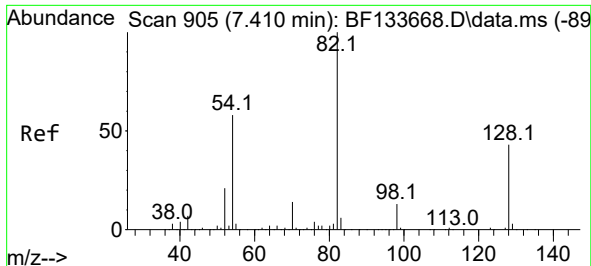
Tgt Ion: 99 Resp: 486439
Ion Ratio Lower Upper
99 100
42 25.9 19.9 29.9
71 43.2 32.2 48.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF133678.D
Acq: 09 Jun 2023 16:18

Tgt Ion:136 Resp: 293090
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 9.4 7.4 11.0
68 5.6 4.4 6.6

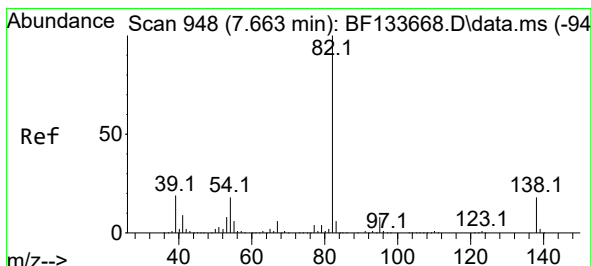
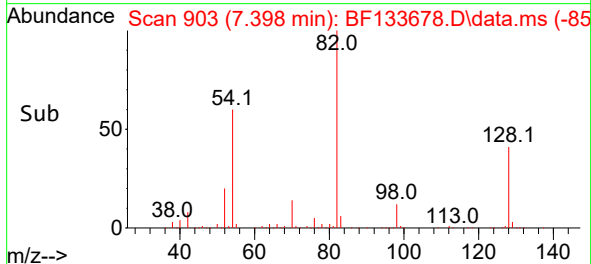
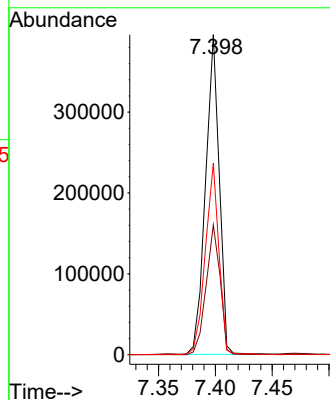
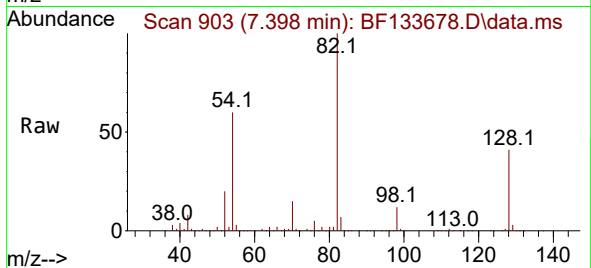




#23
Nitrobenzene-d5
Concen: 61.671 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.012 min
Lab File: BF133678.D
Acq: 09 Jun 2023 16:18

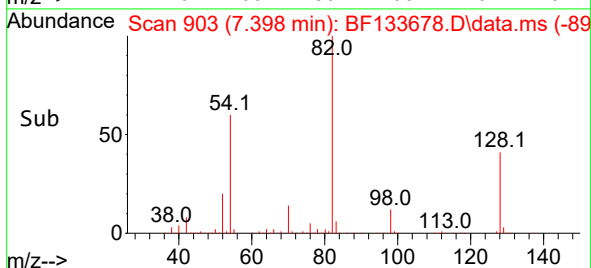
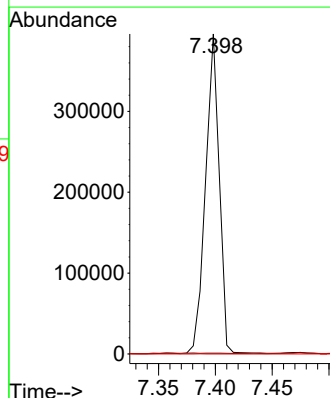
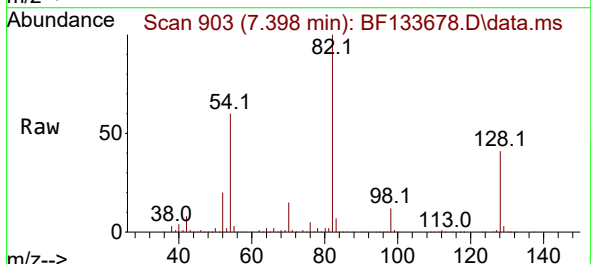
Instrument :
BNA_F
ClientSampleId :
SU-2-060623

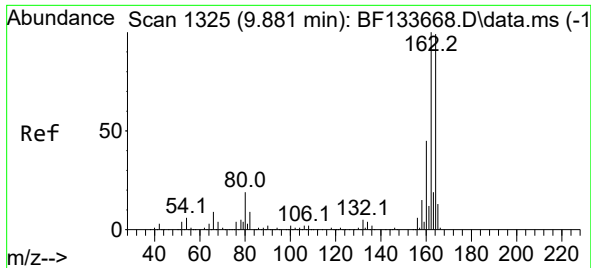
Tgt Ion: 82 Resp: 331859
Ion Ratio Lower Upper
82 100
128 40.5 34.2 51.2
54 59.9 46.5 69.7



#25
Isophorone
Concen: 33.592 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.265 min
Lab File: BF133678.D
Acq: 09 Jun 2023 16:18

Tgt Ion: 82 Resp: 331859
Ion Ratio Lower Upper
82 100
95 0.3 6.0 9.0#
138 0.0 14.2 21.2#

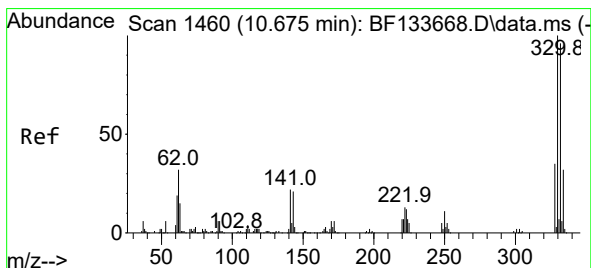
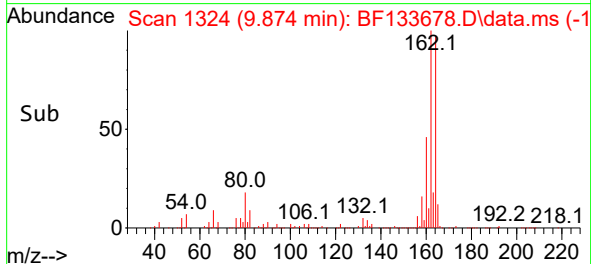
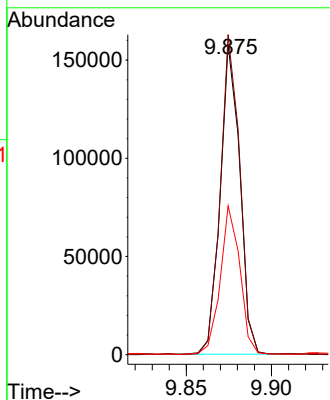
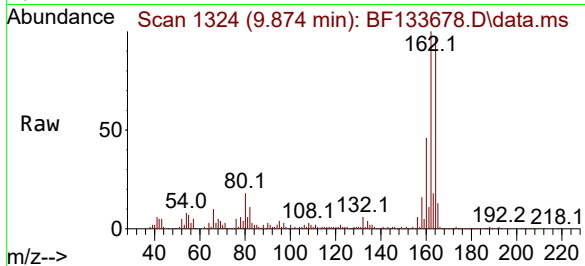




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.874 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133678.D
Acq: 09 Jun 2023 16:18

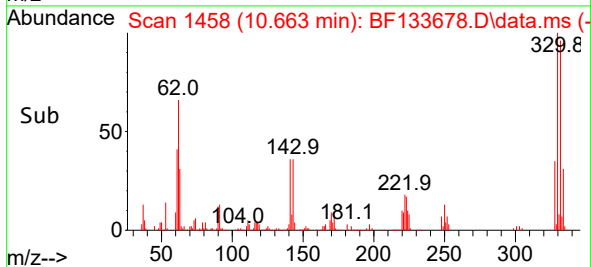
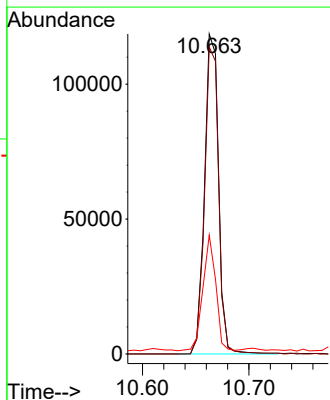
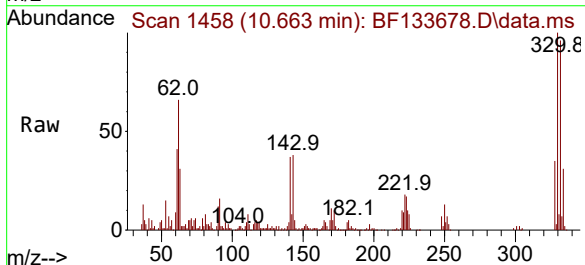
Instrument :
BNA_F
ClientSampleId :
SU-2-060623

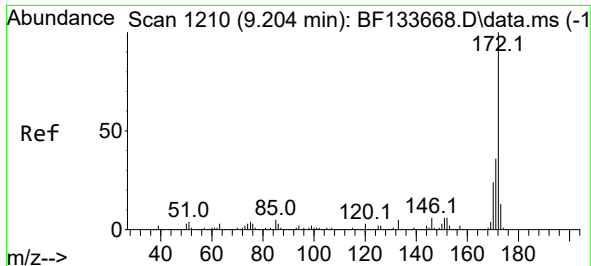
Tgt Ion:164 Resp: 125964
Ion Ratio Lower Upper
164 100
162 103.2 80.8 121.2
160 48.0 36.7 55.1



#42
2,4,6-Tribromophenol
Concen: 68.410 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.012 min
Lab File: BF133678.D
Acq: 09 Jun 2023 16:18

Tgt Ion:330 Resp: 109078
Ion Ratio Lower Upper
330 100
332 96.2 77.2 115.8
141 33.0 24.9 37.3

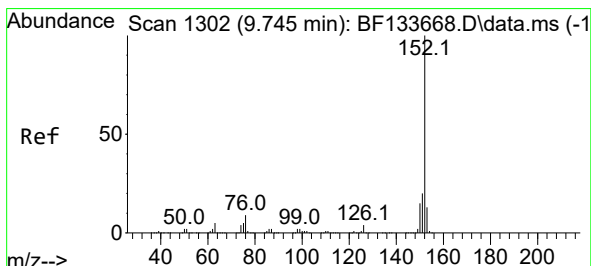
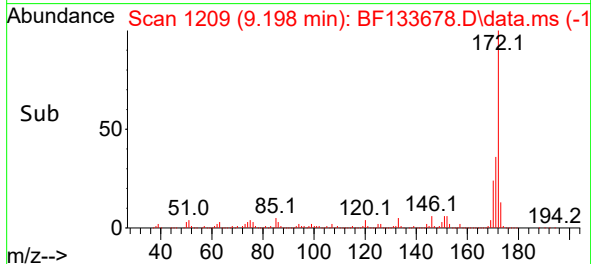
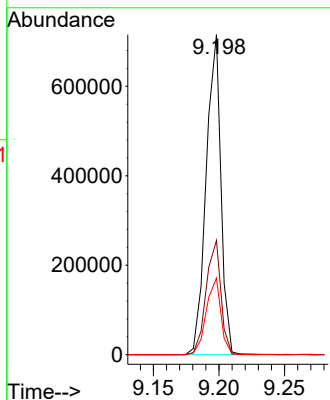
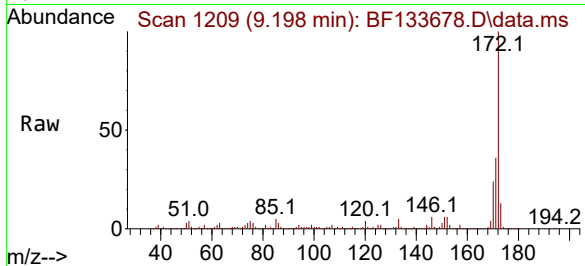




#45
2-Fluorobiphenyl
Concen: 63.397 ng
RT: 9.198 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133678.D
Acq: 09 Jun 2023 16:18

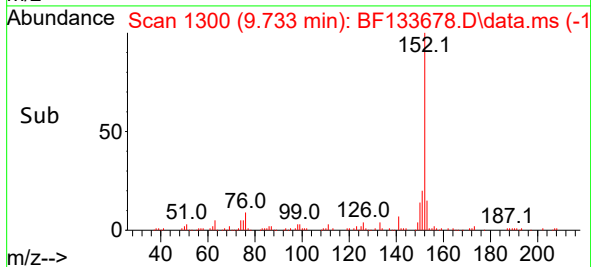
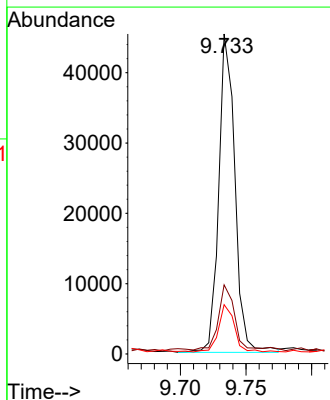
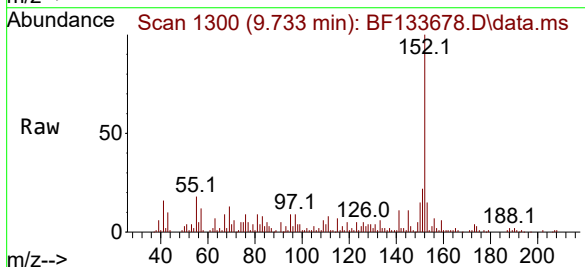
Instrument :
BNA_F
ClientSampleId :
SU-2-060623

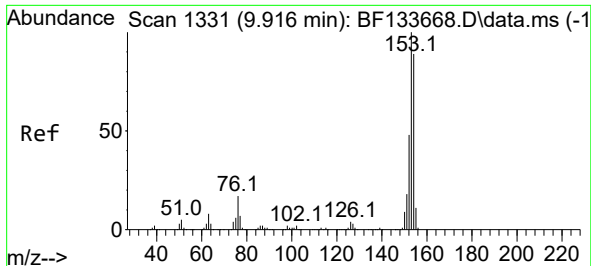
Tgt Ion:172 Resp: 561775
Ion Ratio Lower Upper
172 100
171 35.7 28.6 43.0
170 23.9 19.1 28.7



#49
Acenaphthylene
Concen: 3.053 ng
RT: 9.733 min Scan# 1300
Delta R.T. -0.012 min
Lab File: BF133678.D
Acq: 09 Jun 2023 16:18

Tgt Ion:152 Resp: 38724
Ion Ratio Lower Upper
152 100
151 21.6 16.2 24.4
153 15.4 10.4 15.6

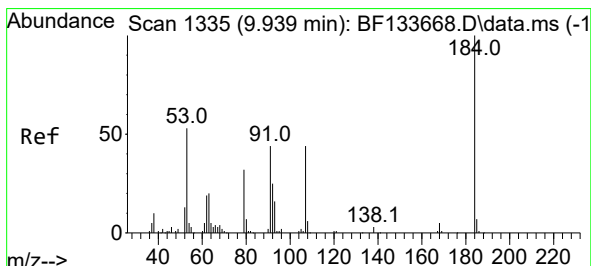
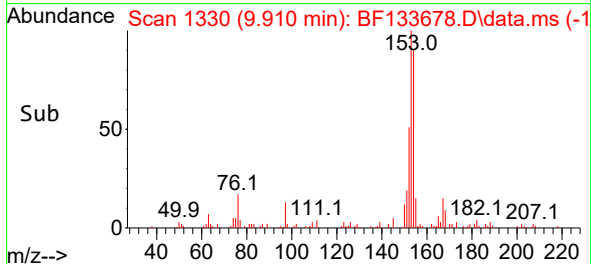
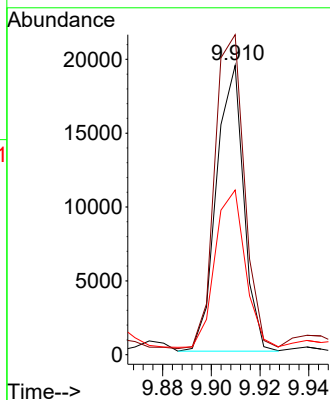
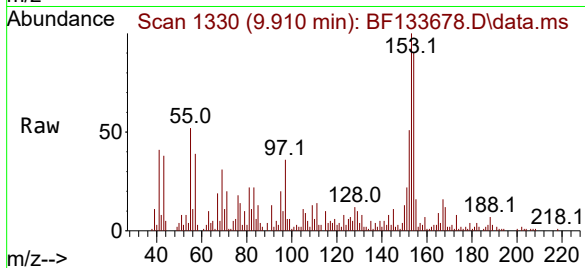




#52
Acenaphthene
Concen: 2.034 ng
RT: 9.910 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BF133678.D
Acq: 09 Jun 2023 16:18

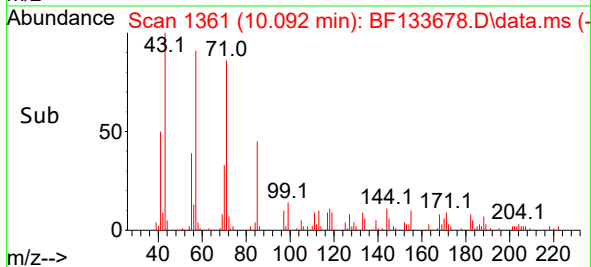
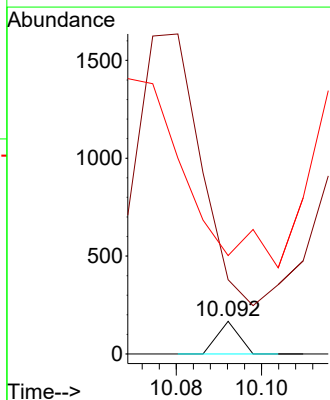
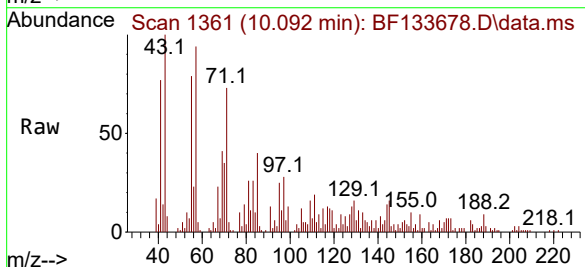
Instrument :
BNA_F
ClientSampleId :
SU-2-060623

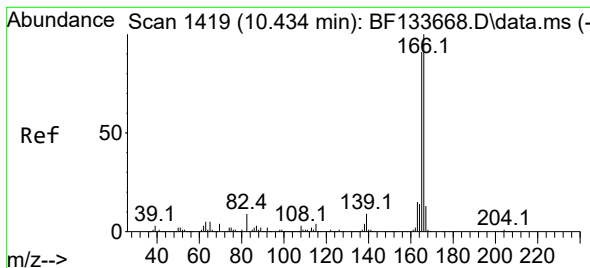
Tgt Ion:154 Resp: 15103
Ion Ratio Lower Upper
154 100
153 110.6 89.8 134.8
152 56.9 43.4 65.2



#54
2,4-Dinitrophenol
Concen: 5.774 ng
RT: 10.092 min Scan# 1361
Delta R.T. 0.153 min
Lab File: BF133678.D
Acq: 09 Jun 2023 16:18

Tgt Ion:184 Resp: 59
Ion Ratio Lower Upper
184 100
63 226.9 55.3 82.9#
154 301.2 51.9 77.9#





#58

Fluorene

Concen: 3.211 ng

RT: 10.422 min Scan# 1417

Delta R.T. -0.012 min

Lab File: BF133678.D

Acq: 09 Jun 2023 16:18

Instrument :

BNA_F

ClientSampleId :

SU-2-060623

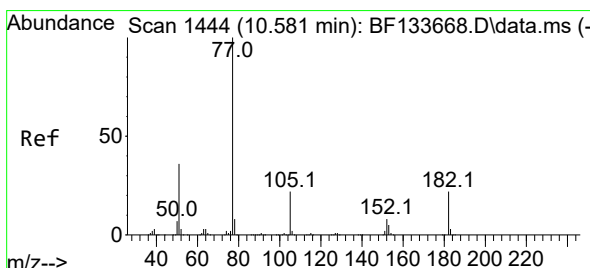
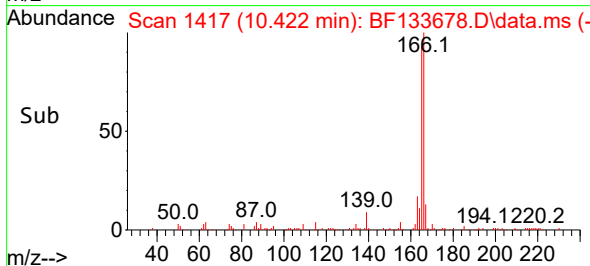
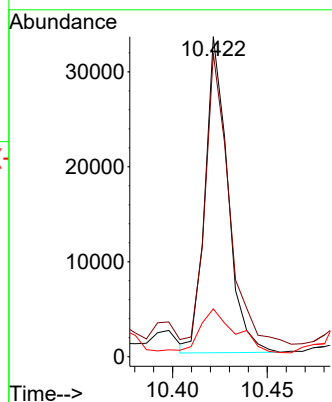
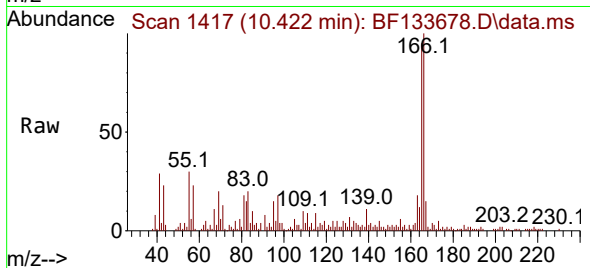
Tgt Ion:166 Resp: 27818

Ion Ratio Lower Upper

166 100

165 94.8 73.1 109.7

167 15.0 10.5 15.7



#63

Azobenzene

Concen: 2.405 ng

RT: 10.586 min Scan# 1445

Delta R.T. 0.005 min

Lab File: BF133678.D

Acq: 09 Jun 2023 16:18

Tgt Ion: 77 Resp: 21785

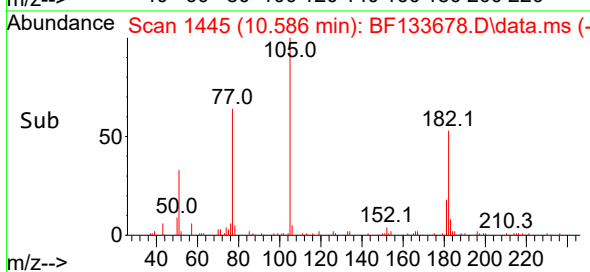
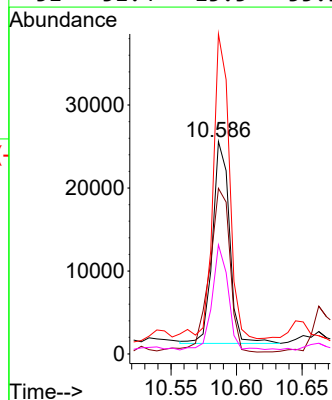
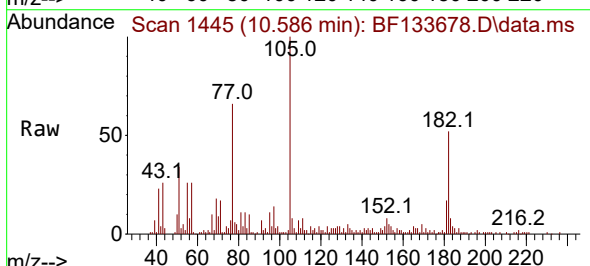
Ion Ratio Lower Upper

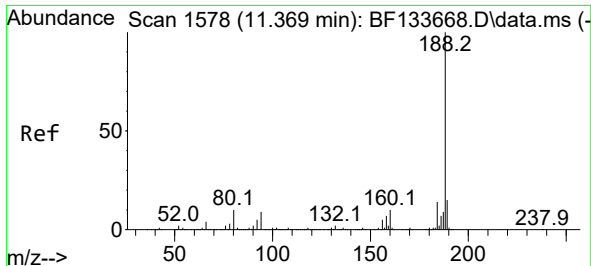
77 100

182 78.0 1.6 41.6#

105 150.6 1.6 41.6#

51 51.4 15.5 55.5

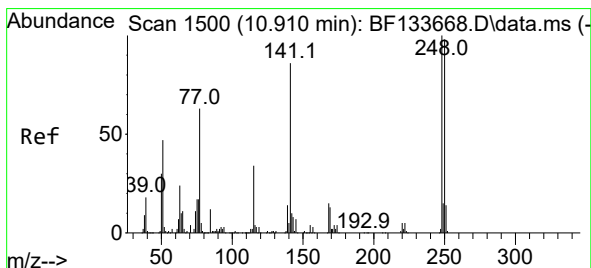
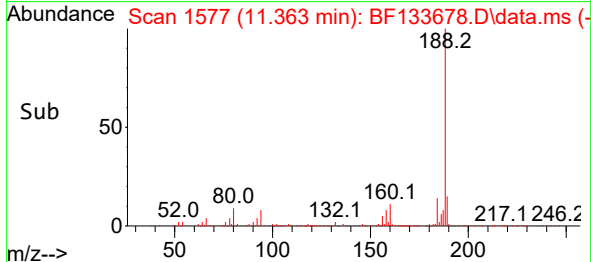
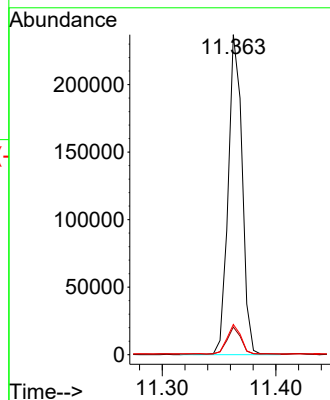
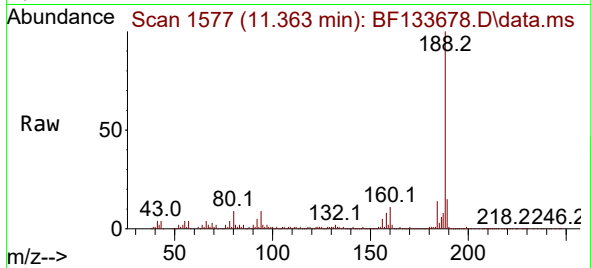




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF133678.D
Acq: 09 Jun 2023 16:18

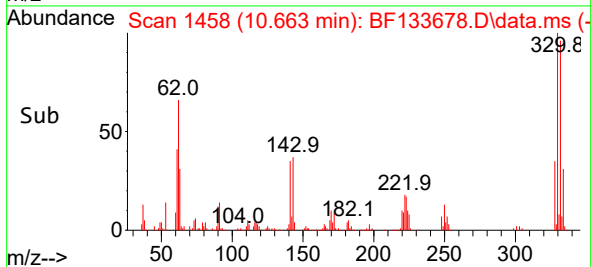
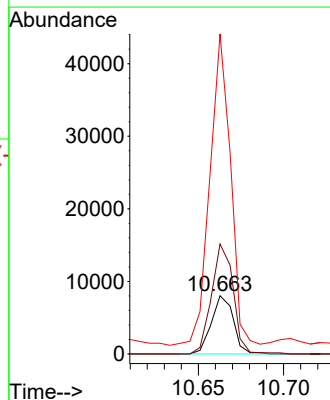
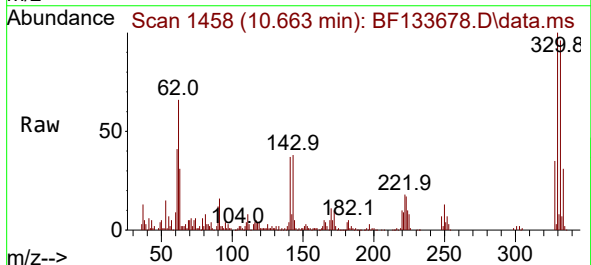
Instrument :
BNA_F
ClientSampleId :
SU-2-060623

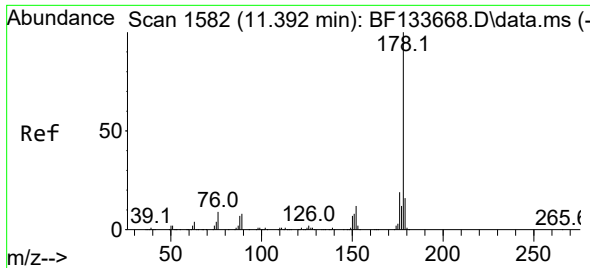
Tgt Ion:188 Resp: 202331
Ion Ratio Lower Upper
188 100
94 8.6 6.8 10.2
80 9.5 7.8 11.6



#67
4-Bromophenyl-phenylether
Concen: 3.175 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.247 min
Lab File: BF133678.D
Acq: 09 Jun 2023 16:18

Tgt Ion:248 Resp: 7170
Ion Ratio Lower Upper
248 100
250 188.6 78.3 117.5#
141 548.9 69.0 103.6#

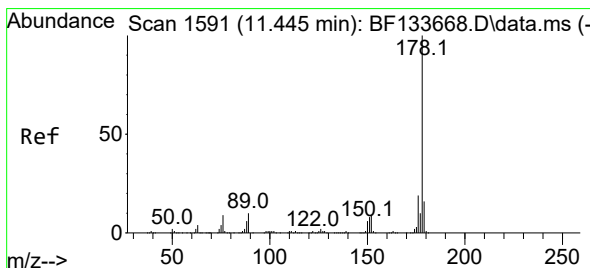
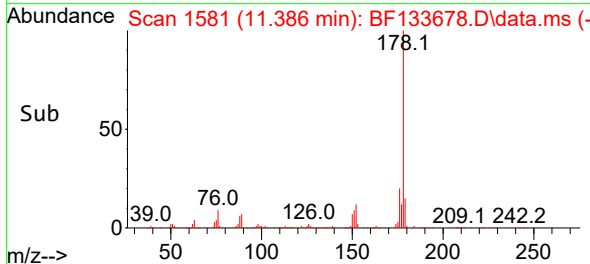
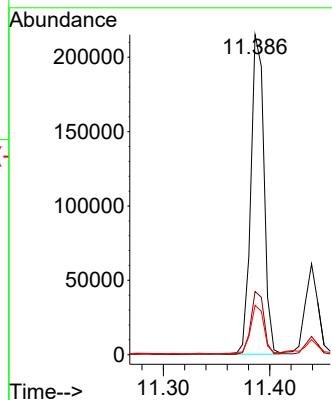
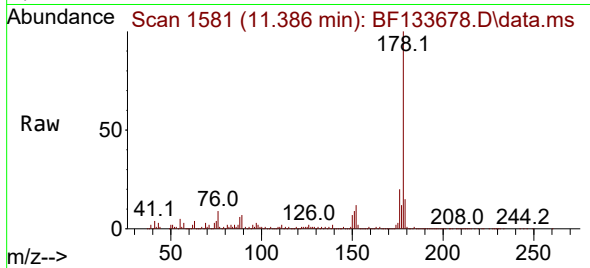




#71
Phenanthrene
Concen: 18.055 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF133678.D
Acq: 09 Jun 2023 16:18

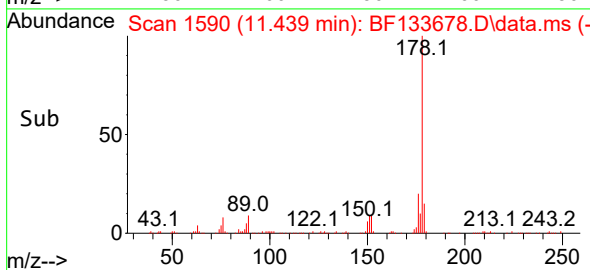
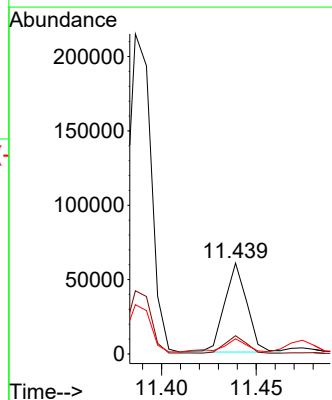
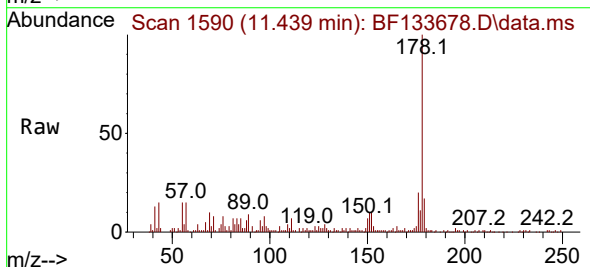
Instrument :
BNA_F
ClientSampleId :
SU-2-060623

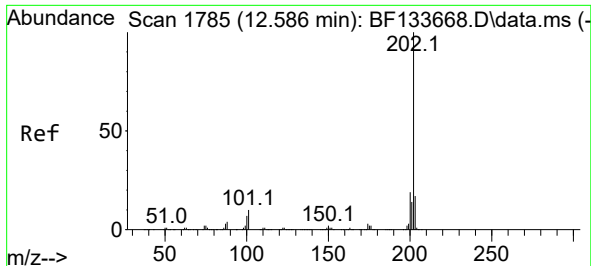
Tgt Ion:178 Resp: 185336
Ion Ratio Lower Upper
178 100
176 19.7 15.6 23.4
179 15.4 12.4 18.6



#72
Anthracene
Concen: 4.601 ng
RT: 11.439 min Scan# 1590
Delta R.T. -0.006 min
Lab File: BF133678.D
Acq: 09 Jun 2023 16:18

Tgt Ion:178 Resp: 49244
Ion Ratio Lower Upper
178 100
176 20.1 15.1 22.7
179 16.8 12.6 18.8

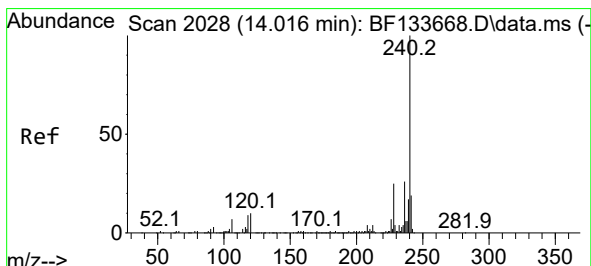
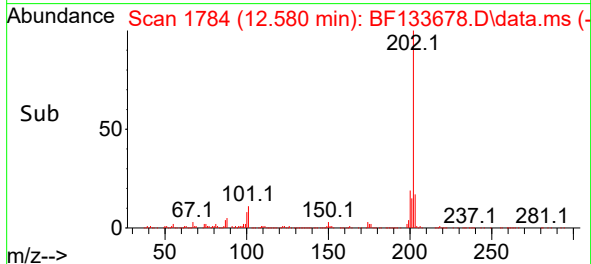
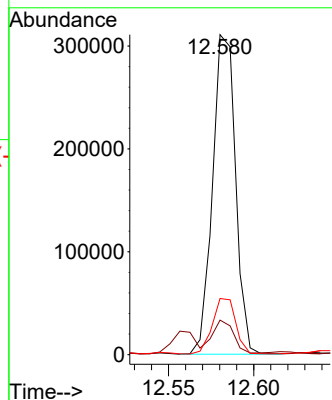
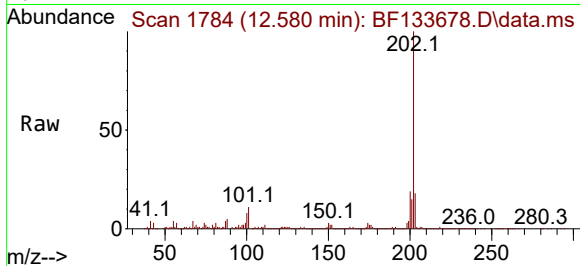




#75
Fluoranthene
Concen: 26.749 ng
RT: 12.580 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133678.D
Acq: 09 Jun 2023 16:18

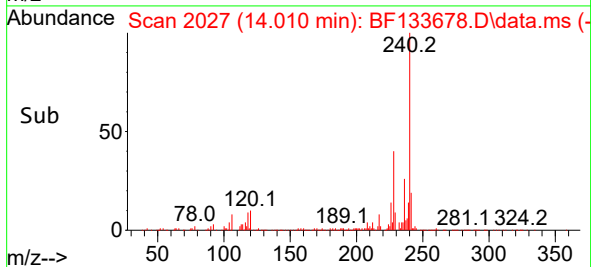
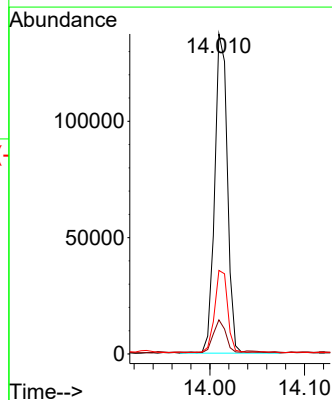
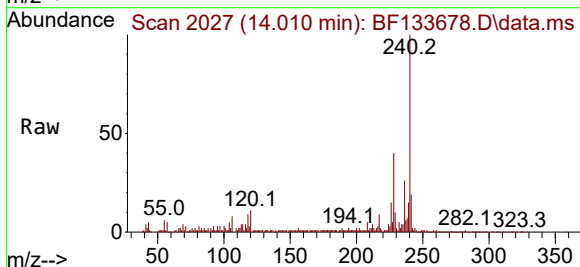
Instrument :
BNA_F
ClientSampleId :
SU-2-060623

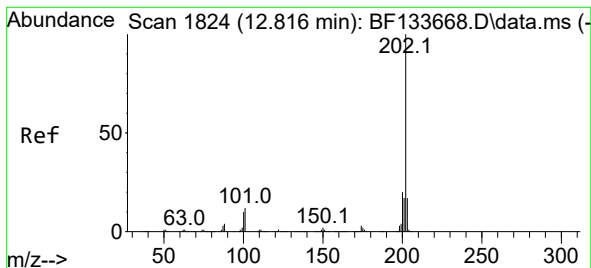
Tgt Ion:202 Resp: 291592
Ion Ratio Lower Upper
202 100
101 10.8 0.0 29.6
203 17.6 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF133678.D
Acq: 09 Jun 2023 16:18

Tgt Ion:240 Resp: 127831
Ion Ratio Lower Upper
240 100
120 10.7 8.1 12.1
236 26.1 20.5 30.7





#78

Pyrene

Concen: 25.354 ng

RT: 12.815 min Scan# 1824

Delta R.T. -0.000 min

Lab File: BF133678.D

Acq: 09 Jun 2023 16:18

Instrument :

BNA_F

ClientSampleId :

SU-2-060623

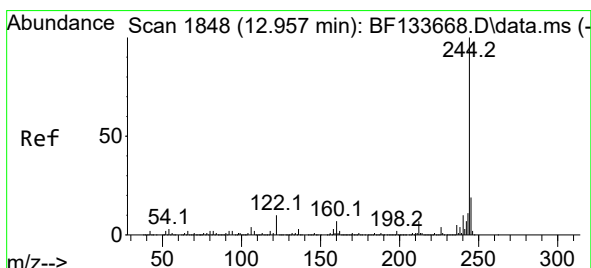
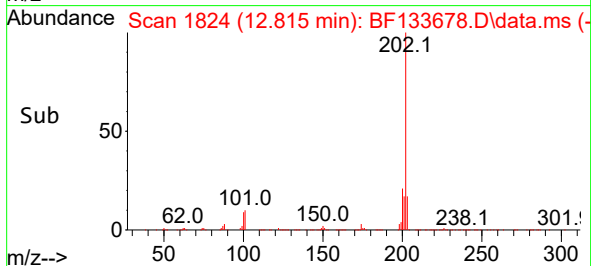
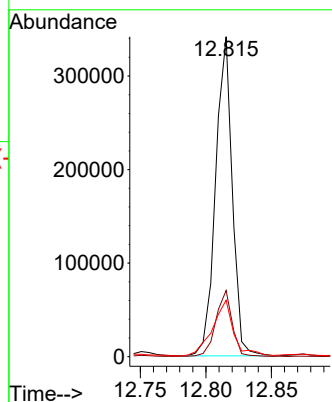
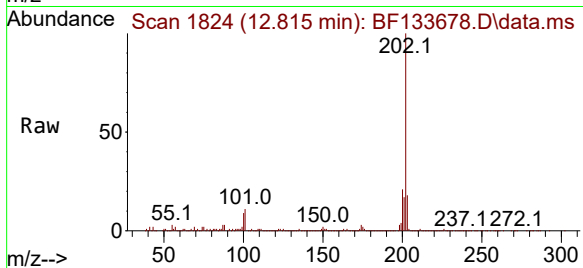
Tgt Ion:202 Resp: 301918

Ion Ratio Lower Upper

202 100

200 20.7 16.2 24.2

203 17.6 13.9 20.9



#79

Terphenyl-d14

Concen: 54.767 ng

RT: 12.957 min Scan# 1848

Delta R.T. -0.000 min

Lab File: BF133678.D

Acq: 09 Jun 2023 16:18

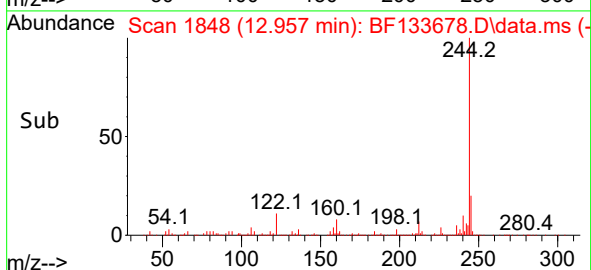
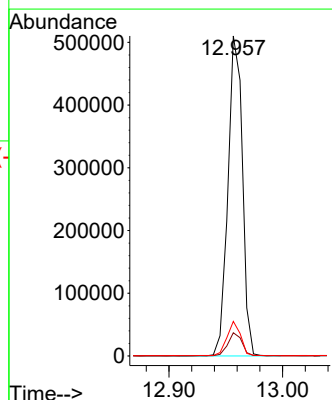
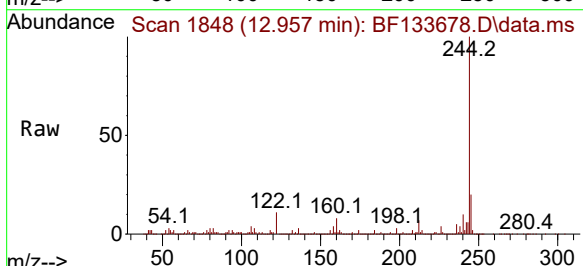
Tgt Ion:244 Resp: 452451

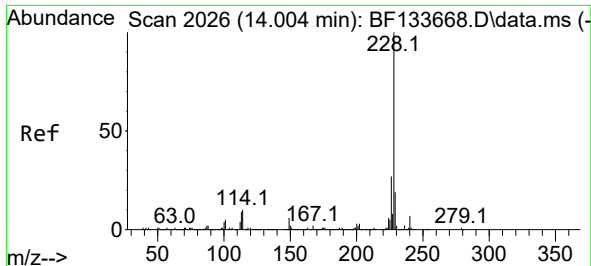
Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.2

122 10.8 8.1 12.1

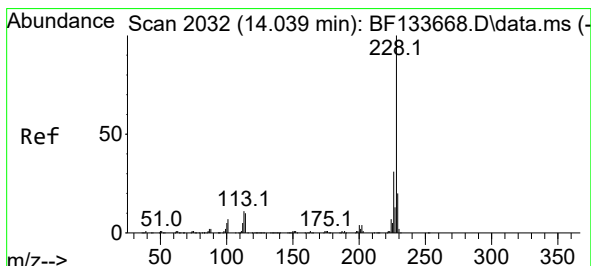
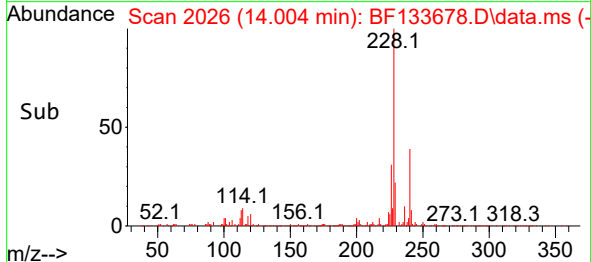
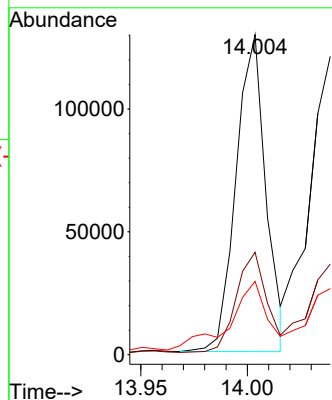
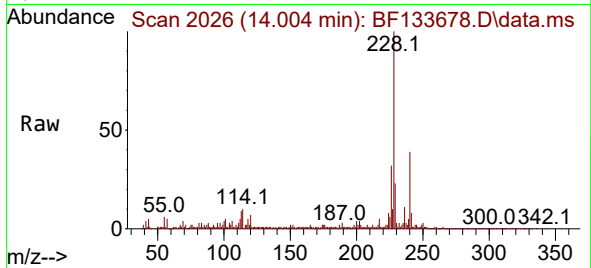




#81
Benzo(a)anthracene
Concen: 14.183 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF133678.D
Acq: 09 Jun 2023 16:18

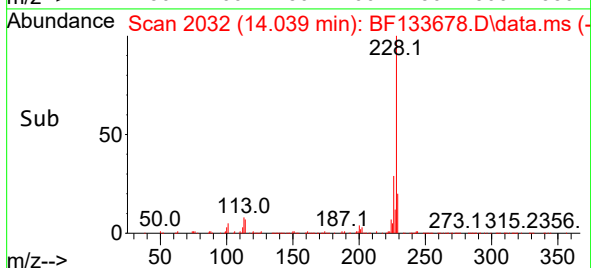
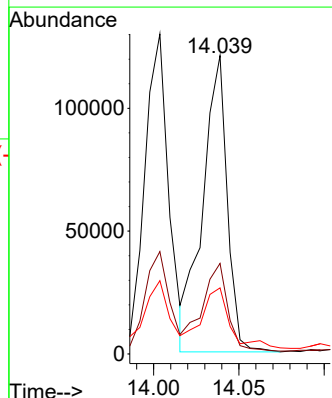
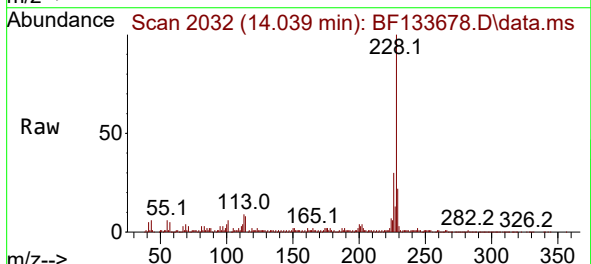
Instrument :
BNA_F
ClientSampleId :
SU-2-060623

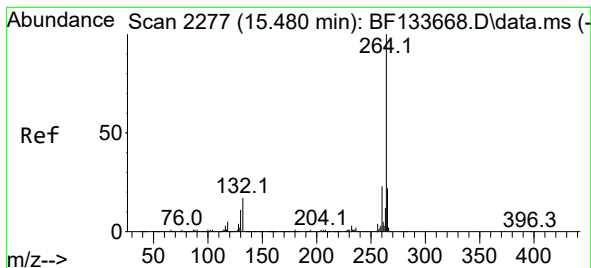
Tgt Ion:228 Resp: 125409
Ion Ratio Lower Upper
228 100
226 32.0 21.7 32.5
229 22.9 15.4 23.2



#83
Chrysene
Concen: 14.467 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF133678.D
Acq: 09 Jun 2023 16:18

Tgt Ion:228 Resp: 120989
Ion Ratio Lower Upper
228 100
226 30.3 25.0 37.6
229 22.2 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.480 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF133678.D

Acq: 09 Jun 2023 16:18

Instrument :

BNA_F

ClientSampleId :

SU-2-060623

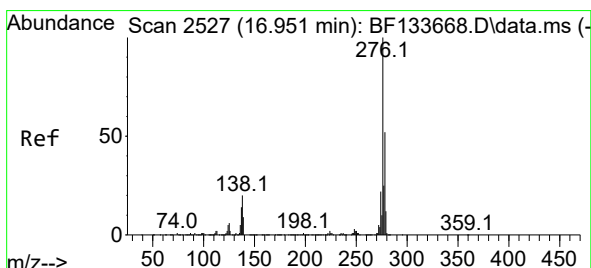
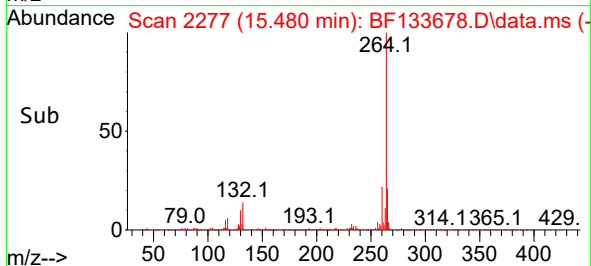
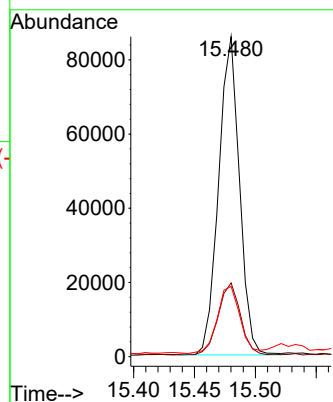
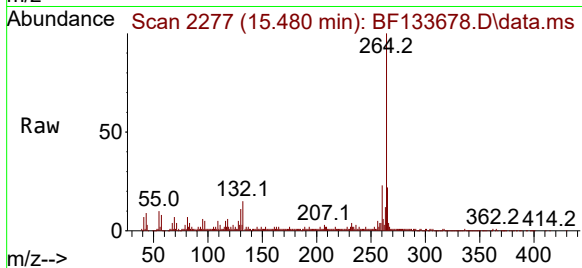
Tgt Ion:264 Resp: 102268

Ion Ratio Lower Upper

264 100

260 23.0 18.2 27.2

265 22.0 17.8 26.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.666 ng

RT: 16.939 min Scan# 2525

Delta R.T. -0.012 min

Lab File: BF133678.D

Acq: 09 Jun 2023 16:18

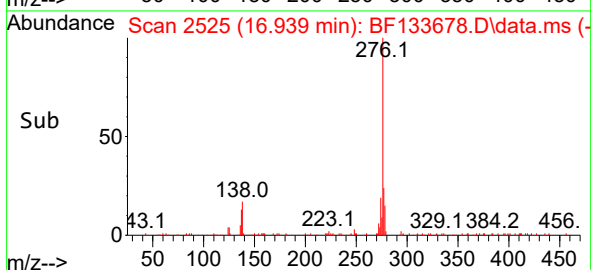
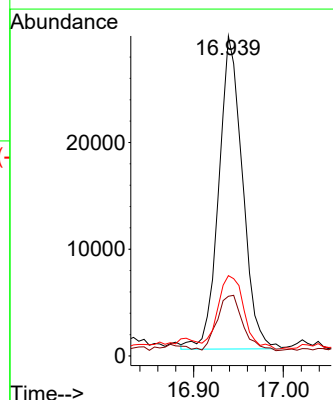
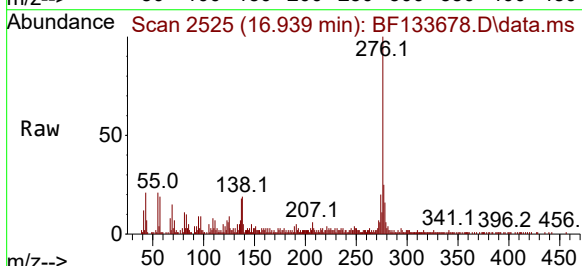
Tgt Ion:276 Resp: 53937

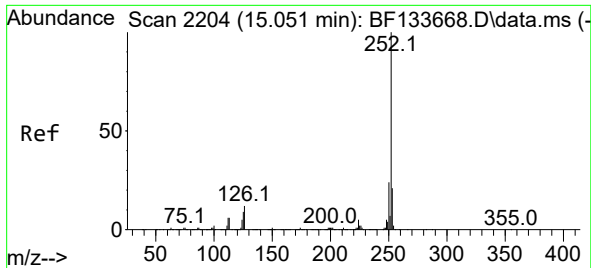
Ion Ratio Lower Upper

276 100

138 18.7 17.9 26.9

277 25.1 20.3 30.5

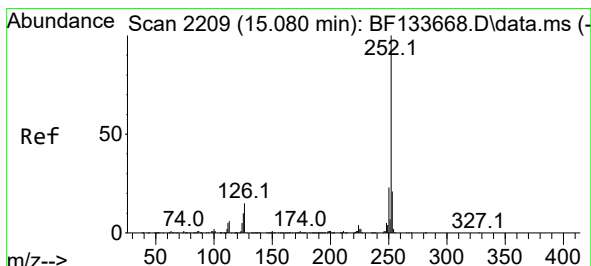
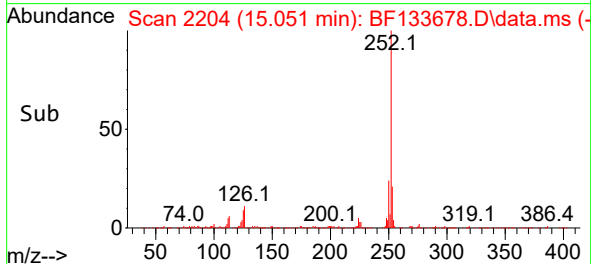
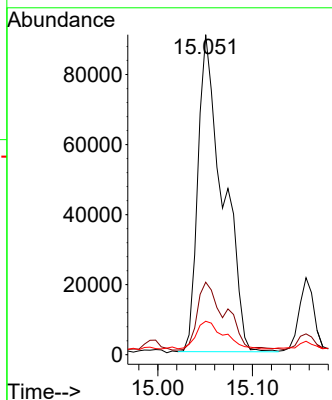
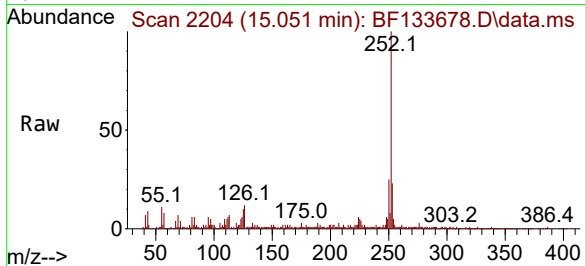




#88
Benzo(b)fluoranthene
Concen: 26.695 ng
RT: 15.051 min Scan# 2204
Delta R.T. -0.000 min
Lab File: BF133678.D
Acq: 09 Jun 2023 16:18

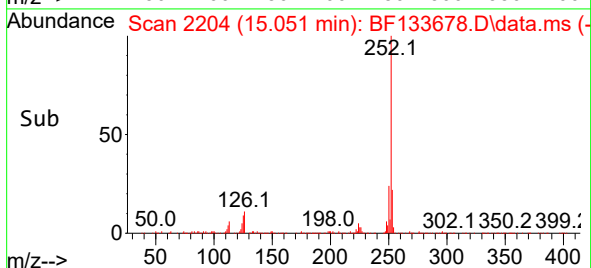
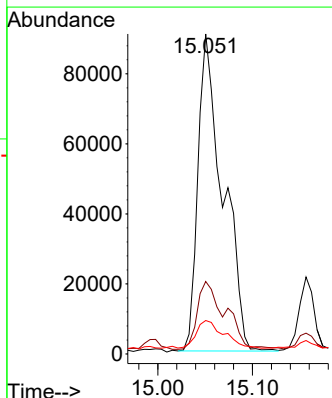
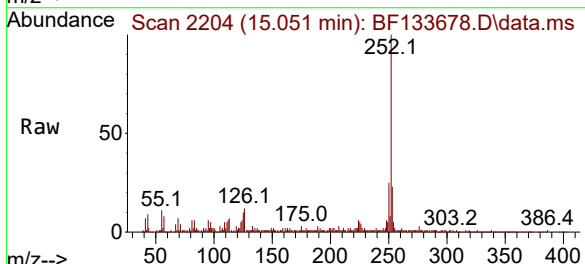
Instrument :
BNA_F
ClientSampleId :
SU-2-060623

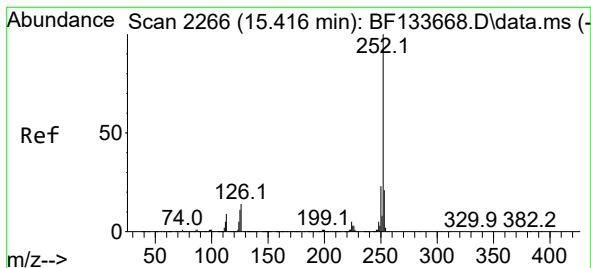
Tgt Ion:252 Resp: 165836
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.6
125 10.5 7.3 10.9



#89
Benzo(k)fluoranthene
Concen: 27.404 ng
RT: 15.051 min Scan# 2204
Delta R.T. -0.030 min
Lab File: BF133678.D
Acq: 09 Jun 2023 16:18

Tgt Ion:252 Resp: 165836
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.4
125 10.5 7.8 11.6





#90

Benzo(a)pyrene

Concen: 16.674 ng

RT: 15.415 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF133678.D

Acq: 09 Jun 2023 16:18

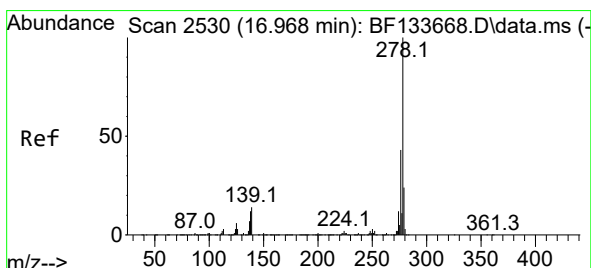
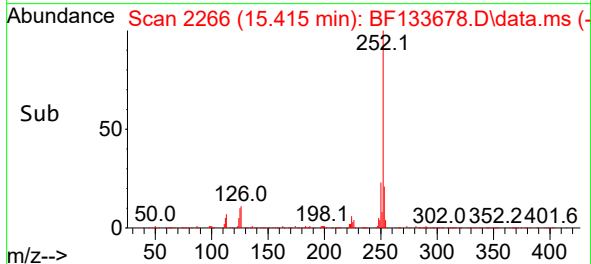
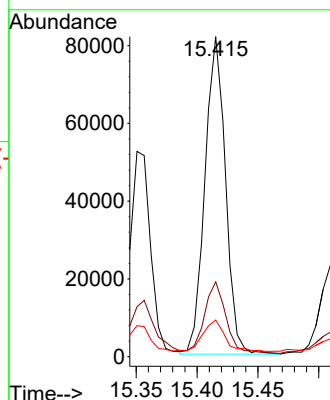
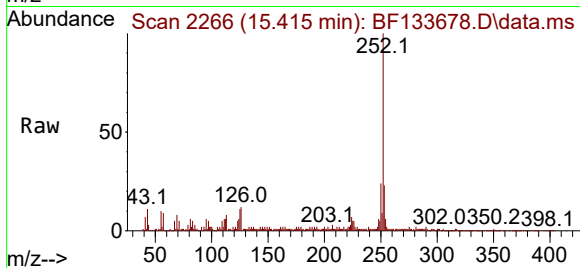
Instrument :

BNA_F

ClientSampleId :

SU-2-060623

Tgt Ion:252	Resp:	96133
Ion Ratio	Lower	Upper
252	100	
253	23.4	17.1 25.7
125	11.5	8.6 13.0



#91

Dibenzo(a,h)anthracene

Concen: 2.408 ng

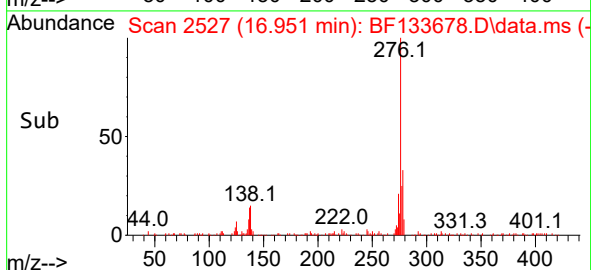
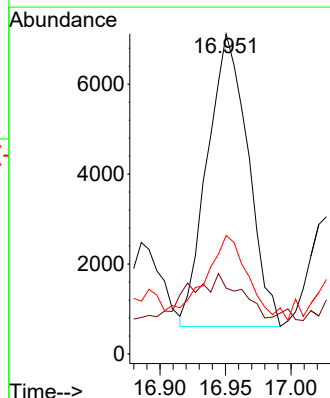
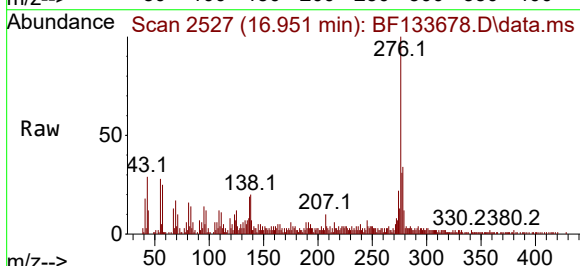
RT: 16.951 min Scan# 2527

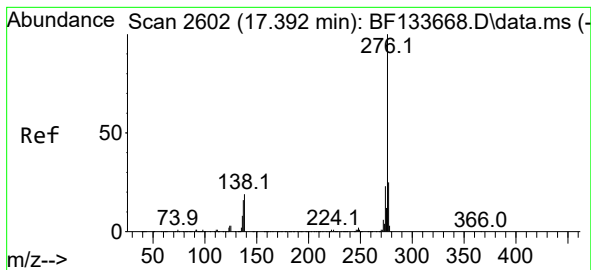
Delta R.T. -0.018 min

Lab File: BF133678.D

Acq: 09 Jun 2023 16:18

Tgt Ion:278	Resp:	14025
Ion Ratio	Lower	Upper
278	100	
139	20.6	11.4 17.2#
279	37.0	19.0 28.4#





#92

Benzo(g,h,i)perylene

Concen: 9.104 ng

RT: 17.386 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF133678.D

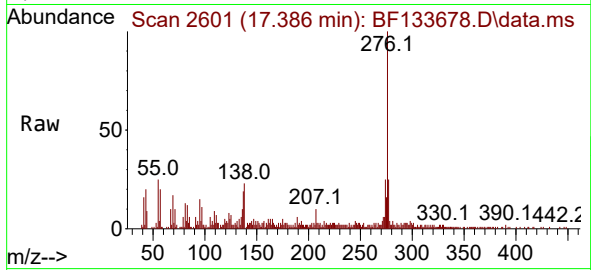
Acq: 09 Jun 2023 16:18

Instrument :

BNA_F

ClientSampleId :

SU-2-060623



Tgt Ion:276 Resp: 52577

Ion Ratio Lower Upper

276 100

277 25.5 19.8 29.8

138 23.0 15.0 22.4#

