

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061323\
 Data File : BF133733.D
 Acq On : 13 Jun 2023 16:20
 Operator : CG\JU
 Sample : 03069-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB36

Quant Time: Jun 13 17:10:34 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 13 11:26:55 2023
 Response via : Initial Calibration

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

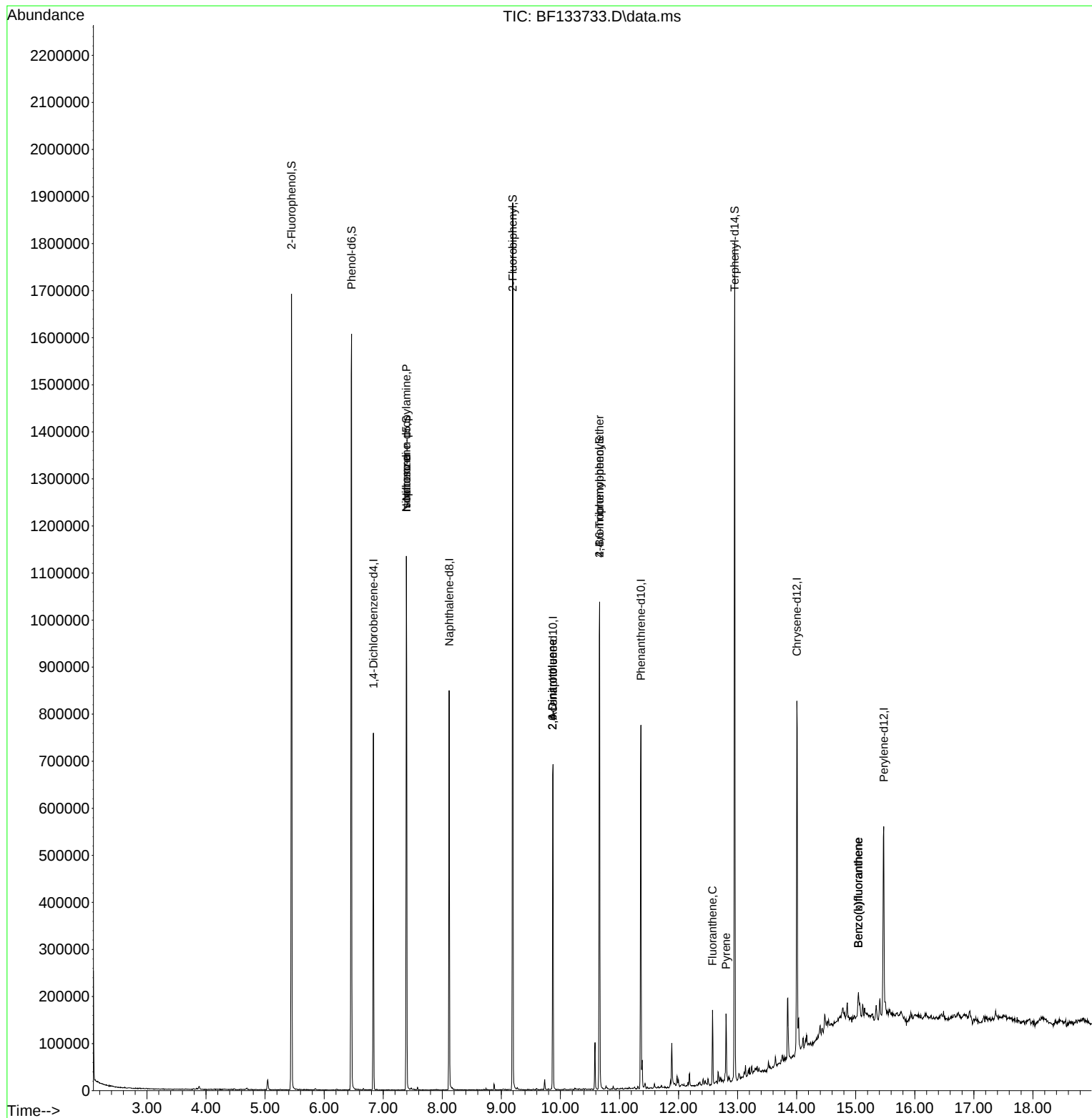
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	96451	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	318002	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	138812	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	275732	20.000	ng	0.00
76) Chrysene-d12	14.004	240	247873	20.000	ng	-0.01
86) Perylene-d12	15.474	264	188812	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	411595	74.291	ng	0.00
7) Phenol-d6	6.463	99	484617	67.200	ng	0.00
23) Nitrobenzene-d5	7.393	82	309220	52.963	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	120593	68.631	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	508882	52.112	ng	0.00
79) Terphenyl-d14	12.951	244	566701	35.376	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.393	70	43641	9.511	ng	# 80
25) Isophorone	7.393	82	309215	28.848	ng	# 65
51) 2,6-Dinitrotoluene	9.869	165	17970	8.403	ng	# 28
57) 2,4-Dinitrotoluene	9.869	165	17970	6.607	ng	# 19
67) 4-Bromophenyl-phenylether	10.663	248	7606	2.471	ng	# 1
75) Fluoranthene	12.575	202	56102	3.776	ng	98
78) Pyrene	12.804	202	53999	2.339	ng	97
88) Benzo(b)fluoranthene	15.045	252	38835	3.386	ng	# 88
89) Benzo(k)fluoranthene	15.045	252	38835	3.476	ng	# 88

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

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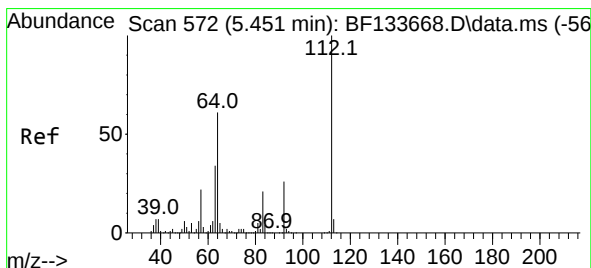
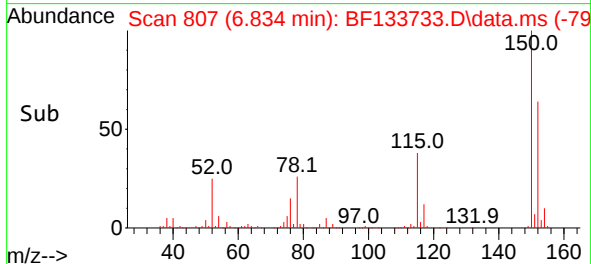
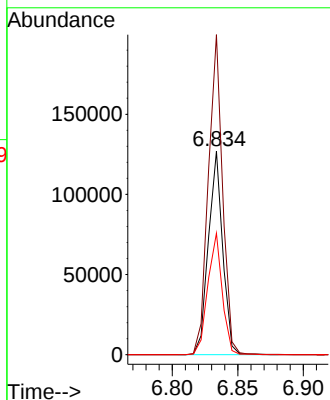
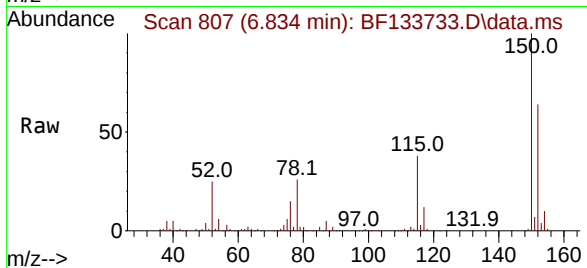




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF133733.D
Acq: 13 Jun 2023 16:20

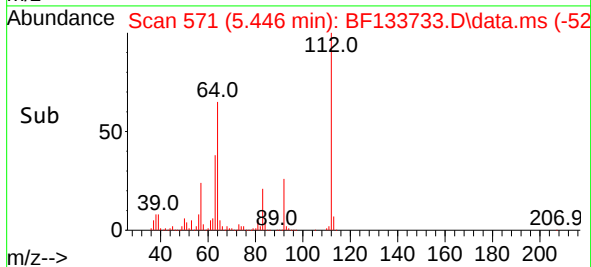
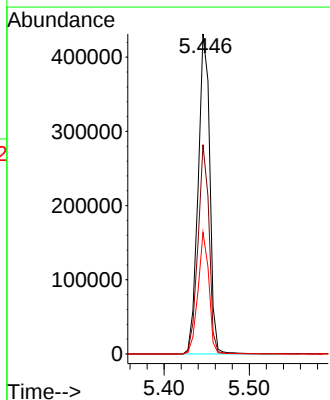
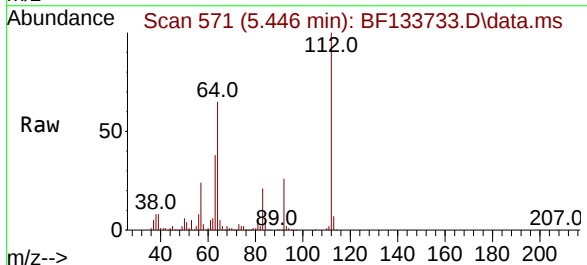
Instrument :
BNA_F
ClientSampleId :
SB36

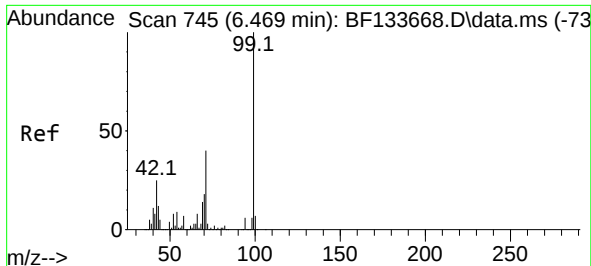
Tgt Ion:152 Resp: 96451
Ion Ratio Lower Upper
152 100
150 157.2 124.3 186.5
115 59.7 48.5 72.7



#5
2-Fluorophenol
Concen: 74.291 ng
RT: 5.446 min Scan# 571
Delta R.T. 0.000 min
Lab File: BF133733.D
Acq: 13 Jun 2023 16:20

Tgt Ion:112 Resp: 411595
Ion Ratio Lower Upper
112 100
64 65.4 49.0 73.4
63 38.0 26.8 40.2





#7

Phenol-d6

Concen: 67.200 ng

RT: 6.463 min Scan# 745

Delta R.T. -0.006 min

Lab File: BF133733.D

Acq: 13 Jun 2023 16:20

Instrument :

BNA_F

ClientSampleId :

SB36

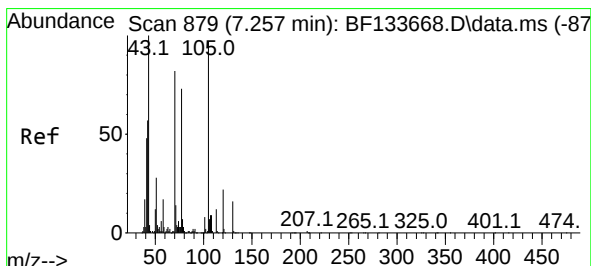
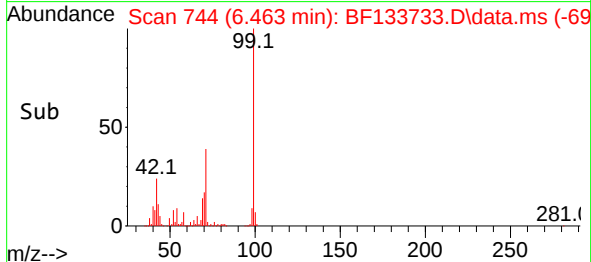
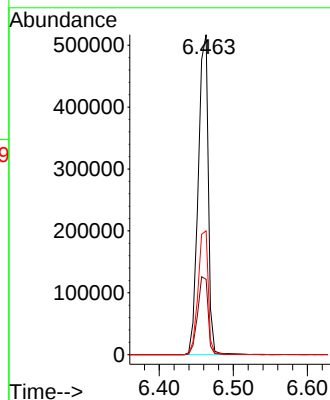
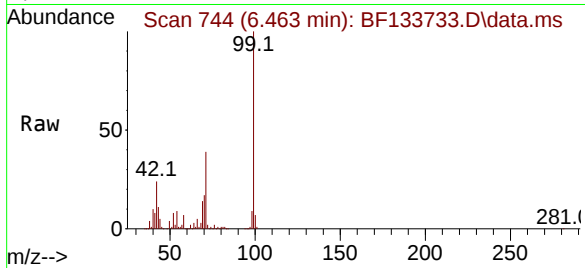
Tgt Ion: 99 Resp: 484617

Ion Ratio Lower Upper

99 100

42 23.6 19.9 29.9

71 38.7 32.2 48.4



#19

n-Nitroso-di-n-propylamine

Concen: 9.511 ng

RT: 7.393 min Scan# 902

Delta R.T. 0.141 min

Lab File: BF133733.D

Acq: 13 Jun 2023 16:20

Tgt Ion: 70 Resp: 43641

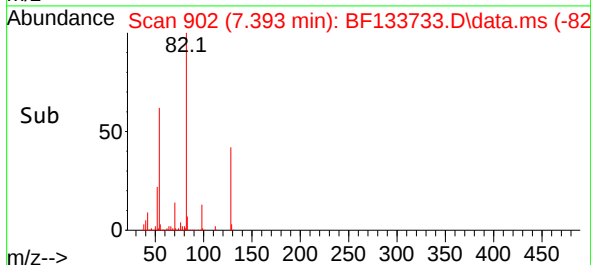
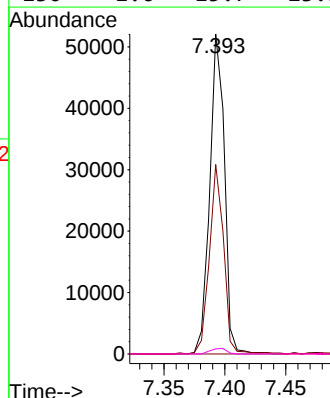
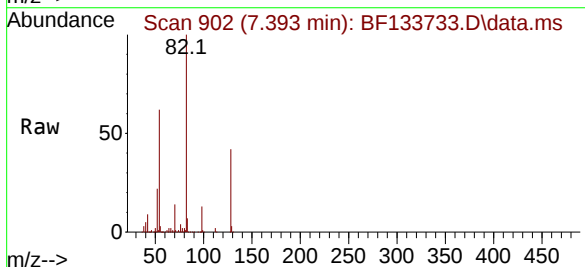
Ion Ratio Lower Upper

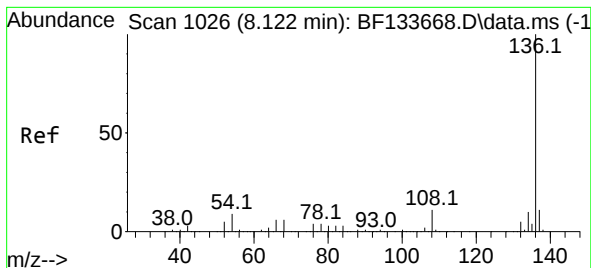
70 100

42 59.2 55.8 83.8

101 0.0 8.1 12.1#

130 1.6 15.7 23.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.116 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133733.D

Acq: 13 Jun 2023 16:20

Instrument :

BNA_F

ClientSampleId :

SB36

Tgt Ion:136 Resp: 318002

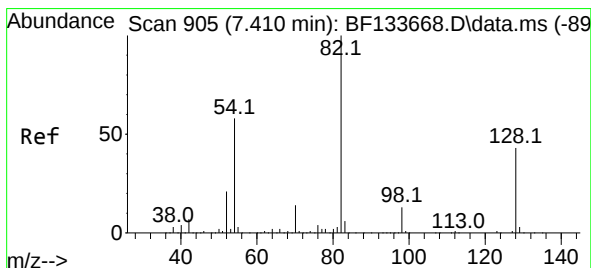
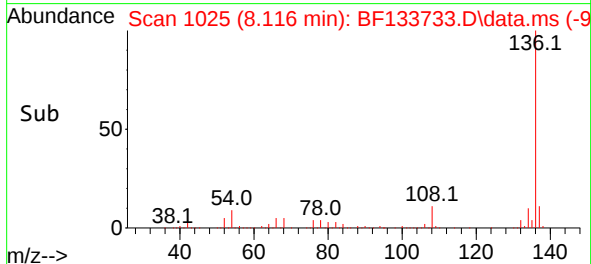
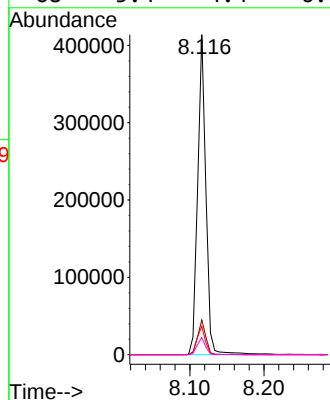
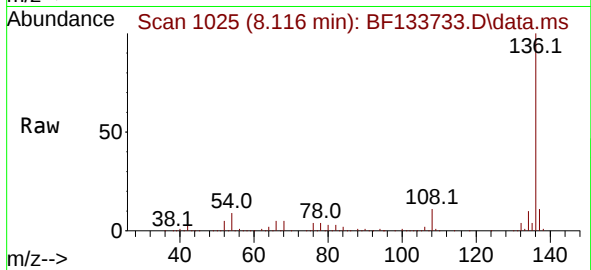
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 8.8 7.4 11.0

68 5.4 4.4 6.6



#23

Nitrobenzene-d5

Concen: 52.963 ng

RT: 7.393 min Scan# 902

Delta R.T. -0.012 min

Lab File: BF133733.D

Acq: 13 Jun 2023 16:20

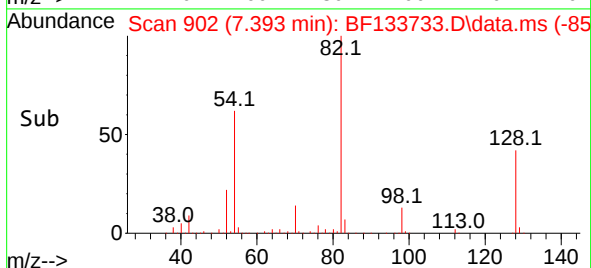
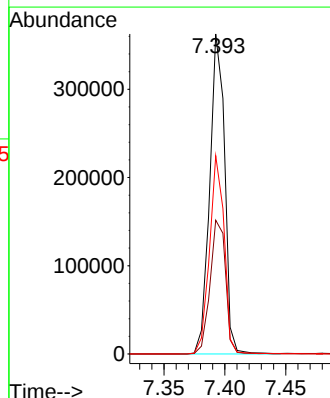
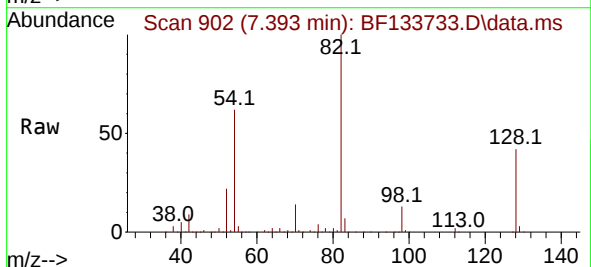
Tgt Ion: 82 Resp: 309220

Ion Ratio Lower Upper

82 100

128 41.8 34.2 51.2

54 62.0 46.5 69.7

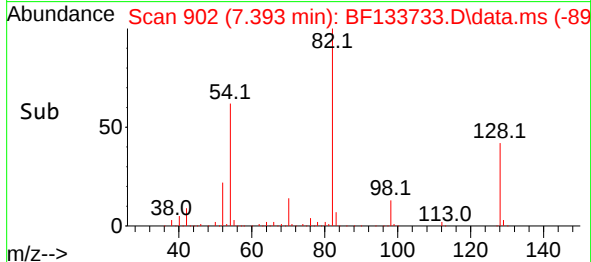
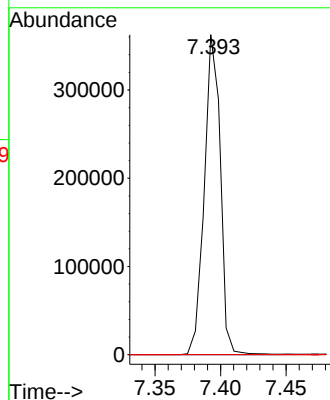
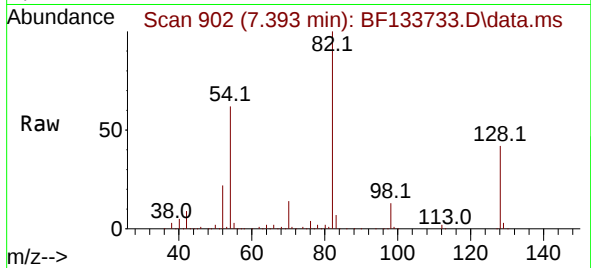




#25
Isophorone
Concen: 28.848 ng
RT: 7.393 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF133733.D
Acq: 13 Jun 2023 16:20

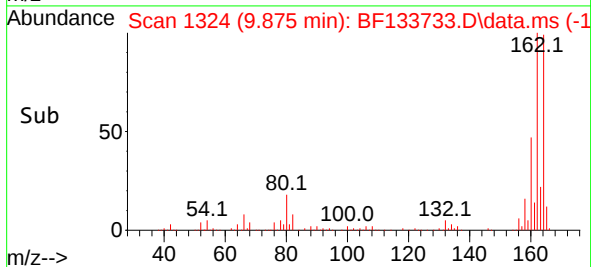
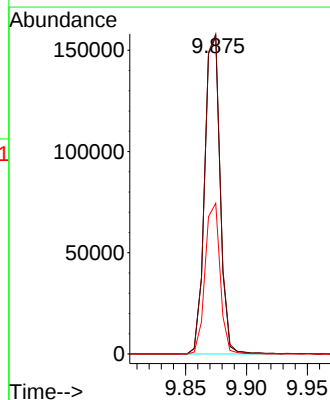
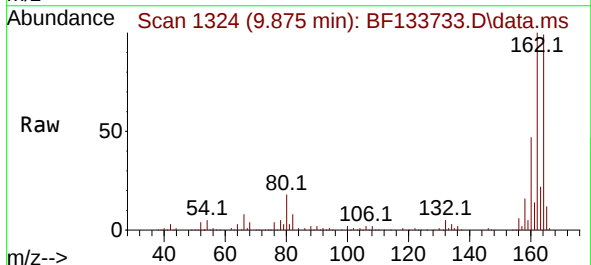
Instrument :
BNA_F
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SB36

Tgt Ion: 82 Resp: 309215
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: BF133733.D
Acq: 13 Jun 2023 16:20

Tgt Ion: 164 Resp: 138812
Ion Ratio Lower Upper
164 100
162 100.9 80.8 121.2
160 47.5 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 68.631 ng

RT: 10.663 min Scan# 1458

Delta R.T. -0.006 min

Lab File: BF133733.D

Acq: 13 Jun 2023 16:20

Instrument :

BNA_F

ClientSampleId :

SB36

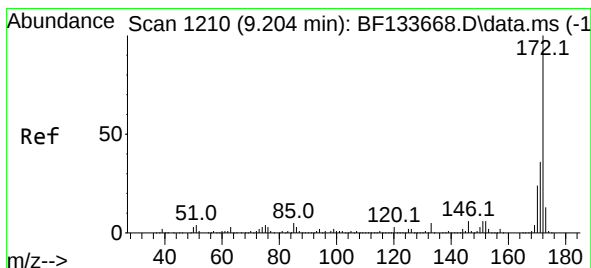
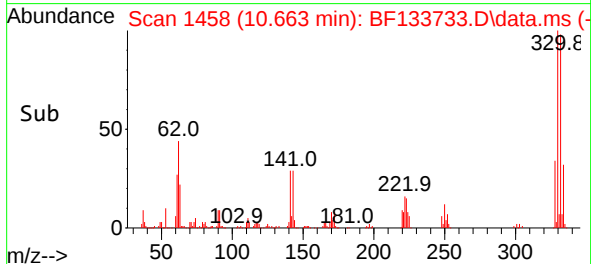
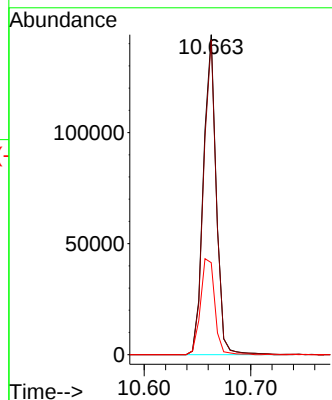
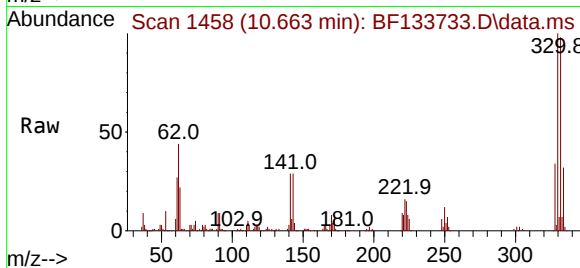
Tgt Ion:330 Resp: 120593

Ion Ratio Lower Upper

330 100

332 98.1 77.2 115.8

141 33.5 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 52.112 ng

RT: 9.192 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF133733.D

Acq: 13 Jun 2023 16:20

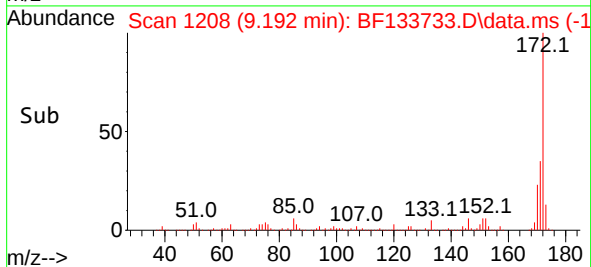
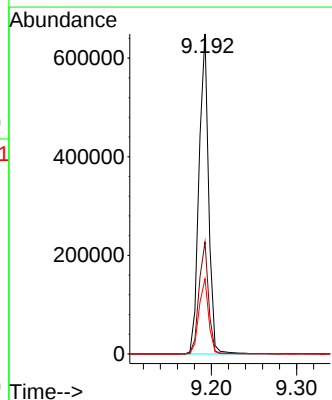
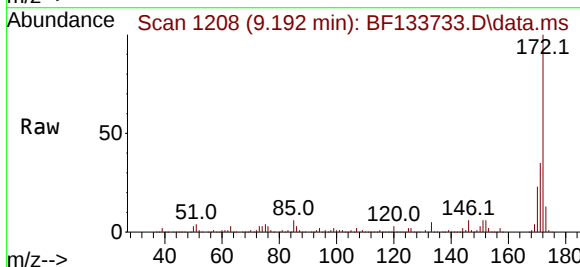
Tgt Ion:172 Resp: 508882

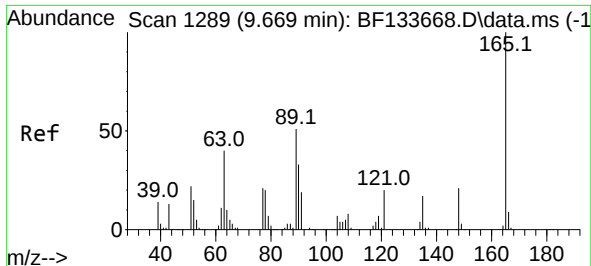
Ion Ratio Lower Upper

172 100

171 35.0 28.6 43.0

170 23.5 19.1 28.7

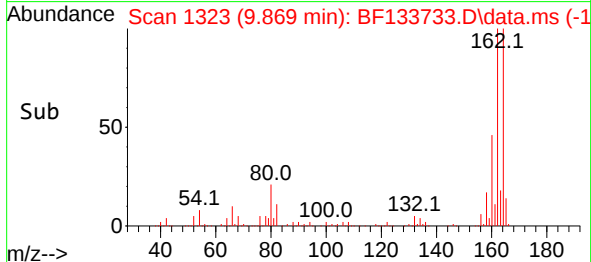
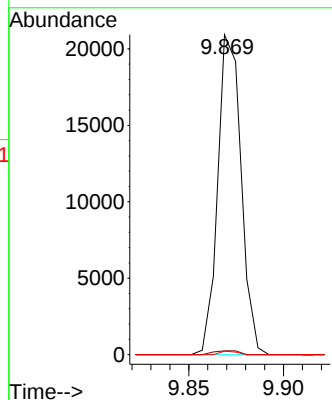
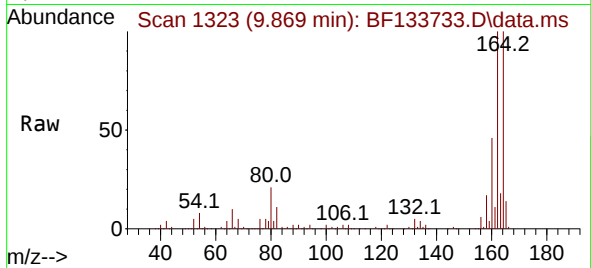




#51
2,6-Dinitrotoluene
Concen: 8.403 ng
RT: 9.869 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF133733.D
Acq: 13 Jun 2023 16:20

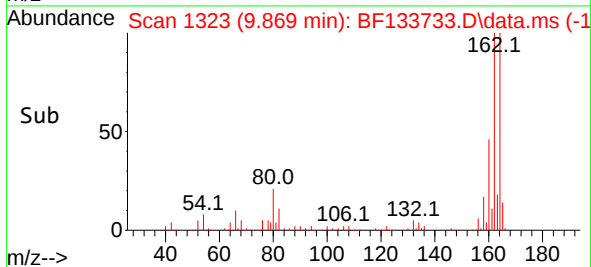
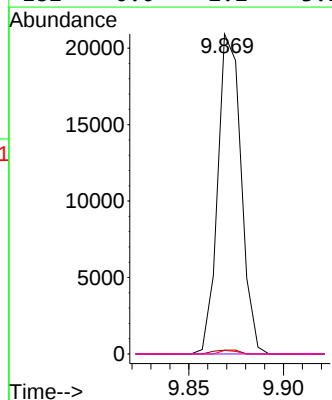
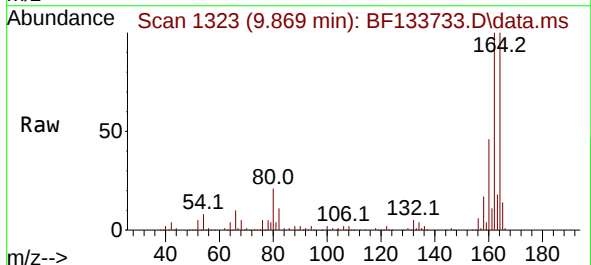
Instrument :
BNA_F
ClientSampleId :
SB36

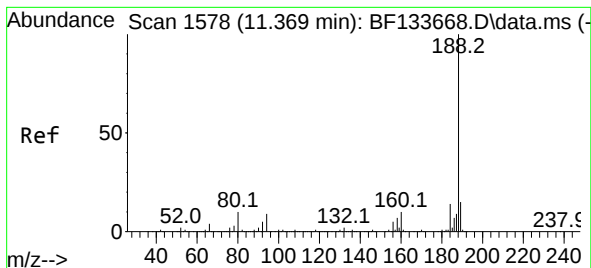
Tgt Ion:165 Resp: 17970
Ion Ratio Lower Upper
165 100
63 1.2 42.1 63.1#
89 1.1 40.9 61.3#



#57
2,4-Dinitrotoluene
Concen: 6.607 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.200 min
Lab File: BF133733.D
Acq: 13 Jun 2023 16:20

Tgt Ion:165 Resp: 17970
Ion Ratio Lower Upper
165 100
63 1.2 43.0 64.6#
89 1.1 62.6 93.8#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.363 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133733.D

Acq: 13 Jun 2023 16:20

Instrument :

BNA_F

ClientSampleId :

SB36

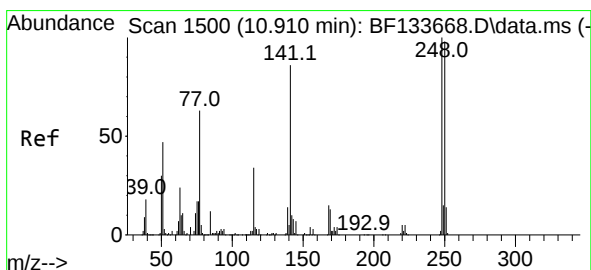
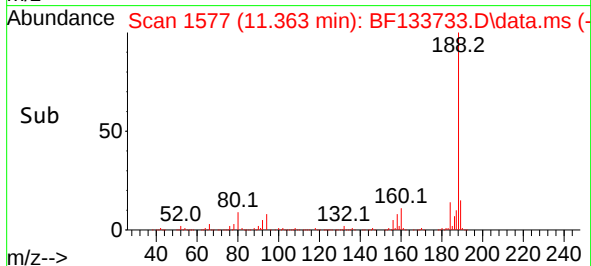
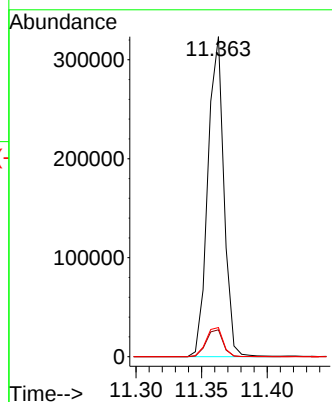
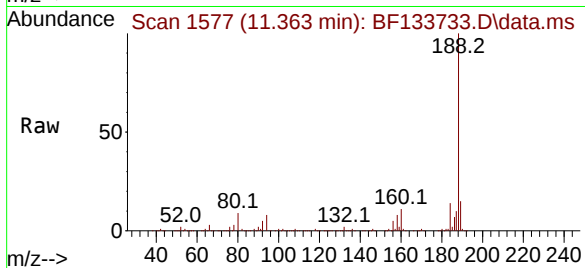
Tgt Ion:188 Resp: 275732

Ion Ratio Lower Upper

188 100

94 8.4 6.8 10.2

80 9.1 7.8 11.6



#67

4-Bromophenyl-phenylether

Concen: 2.471 ng

RT: 10.663 min Scan# 1458

Delta R.T. -0.247 min

Lab File: BF133733.D

Acq: 13 Jun 2023 16:20

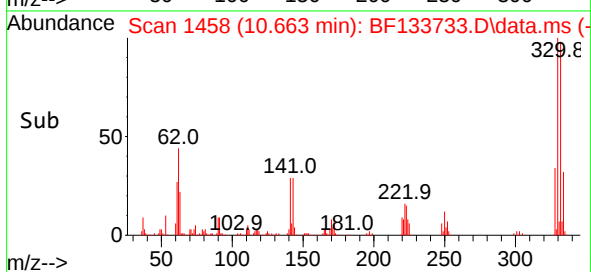
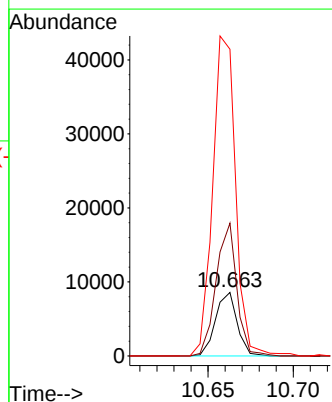
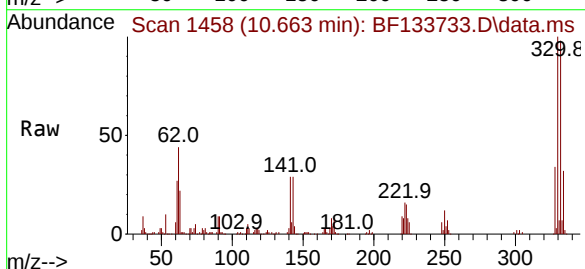
Tgt Ion:248 Resp: 7606

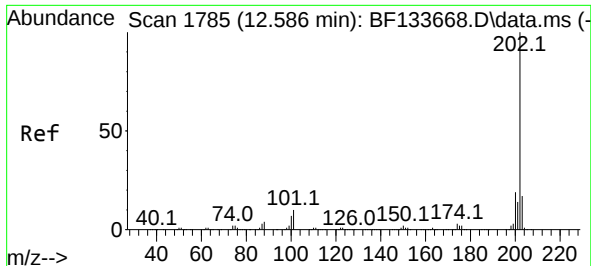
Ion Ratio Lower Upper

248 100

250 209.0 78.3 117.5#

141 482.7 69.0 103.6#

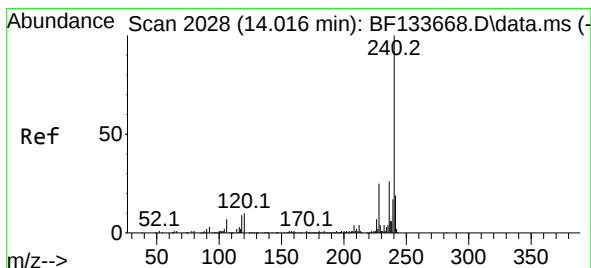
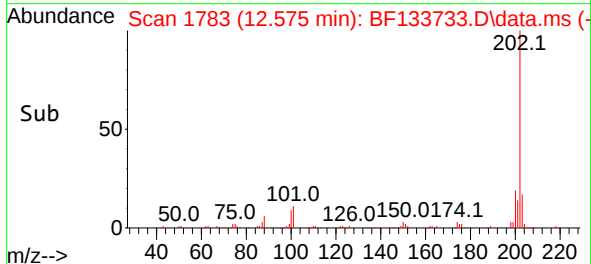
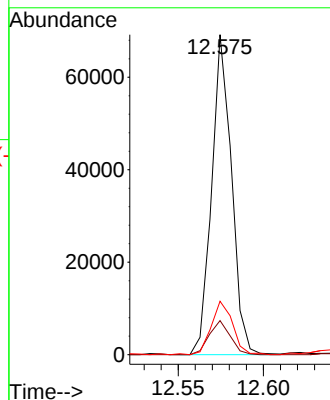
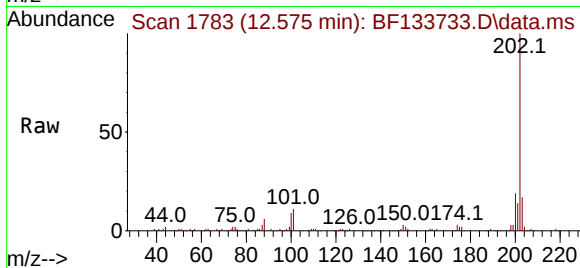




#75
Fluoranthene
Concen: 3.776 ng
RT: 12.575 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF133733.D
Acq: 13 Jun 2023 16:20

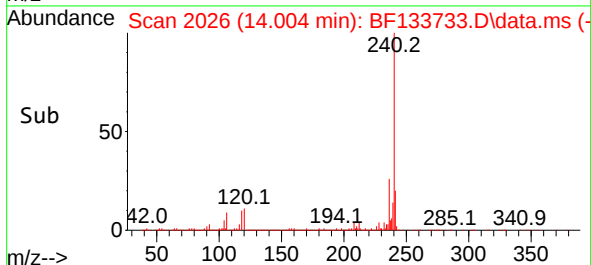
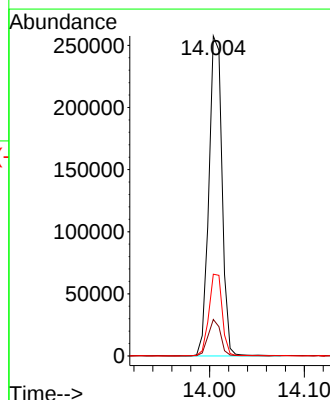
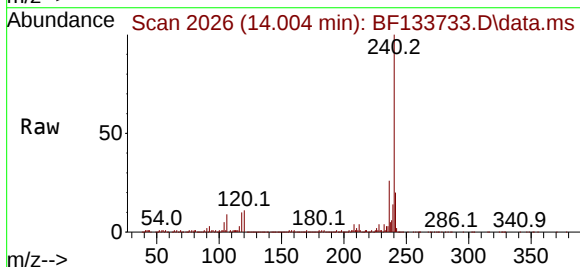
Instrument :
BNA_F
ClientSampleId :
SB36

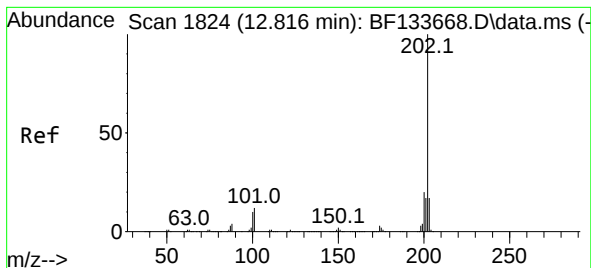
Tgt Ion:202 Resp: 56102
Ion Ratio Lower Upper
202 100
101 10.7 0.0 29.6
203 16.7 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.012 min
Lab File: BF133733.D
Acq: 13 Jun 2023 16:20

Tgt Ion:240 Resp: 247873
Ion Ratio Lower Upper
240 100
120 11.4 8.1 12.1
236 25.5 20.5 30.7





#78

Pyrene

Concen: 2.339 ng

RT: 12.804 min Scan# 1822

Delta R.T. -0.012 min

Lab File: BF133733.D

Acq: 13 Jun 2023 16:20

Instrument :

BNA_F

ClientSampleId :

SB36

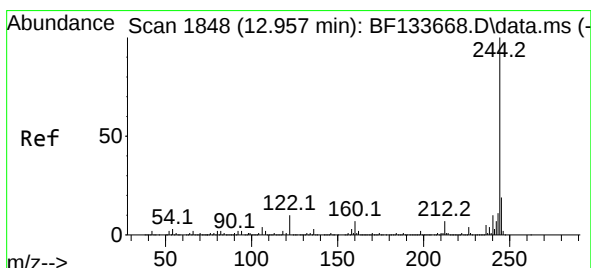
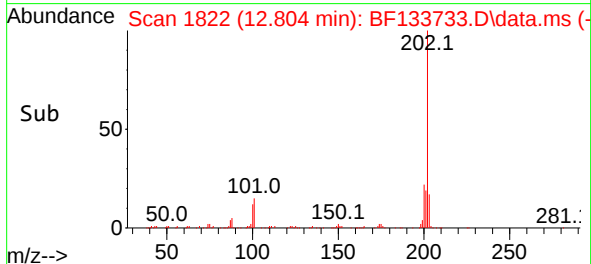
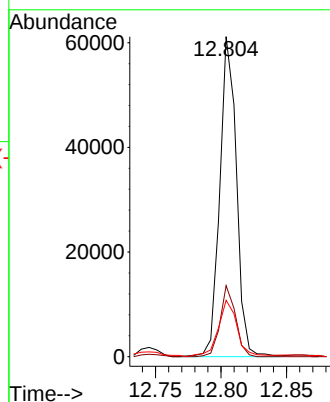
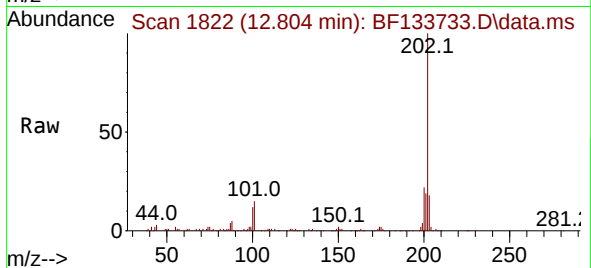
Tgt Ion:202 Resp: 53999

Ion Ratio Lower Upper

202 100

200 22.2 16.2 24.2

203 17.6 13.9 20.9



#79

Terphenyl-d14

Concen: 35.376 ng

RT: 12.951 min Scan# 1847

Delta R.T. -0.006 min

Lab File: BF133733.D

Acq: 13 Jun 2023 16:20

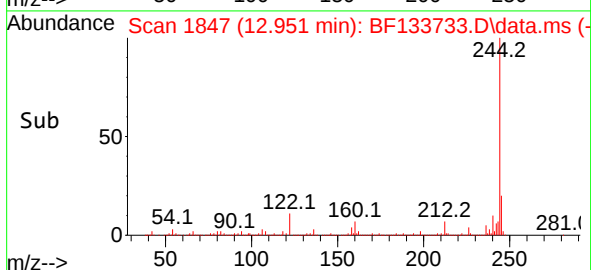
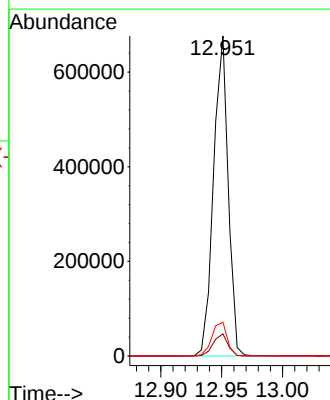
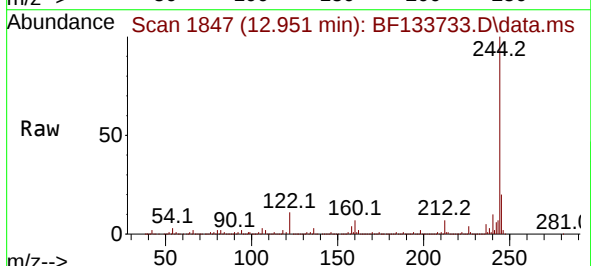
Tgt Ion:244 Resp: 566701

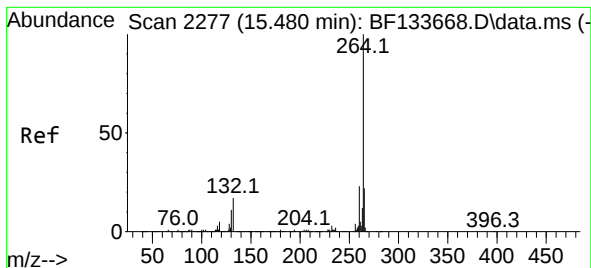
Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.2

122 10.5 8.1 12.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133733.D

Acq: 13 Jun 2023 16:20

Instrument :

BNA_F

ClientSampleId :

SB36

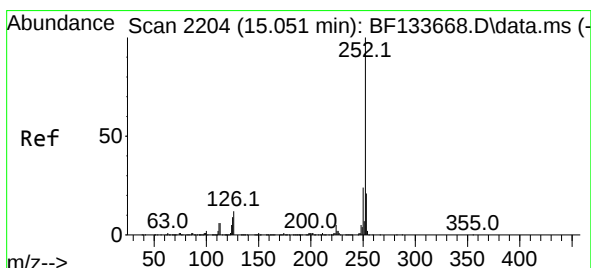
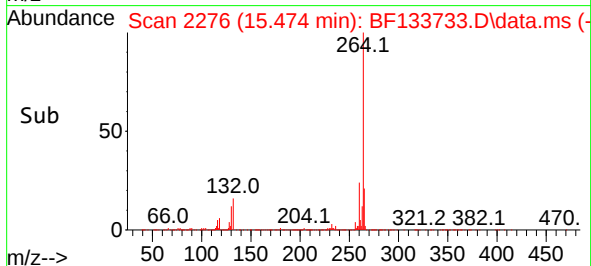
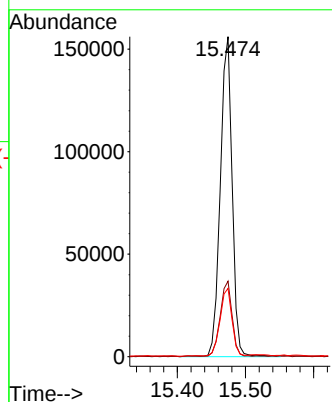
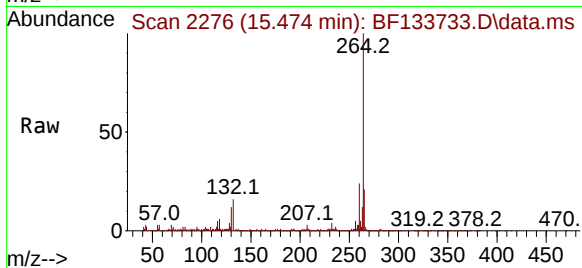
Tgt Ion:264 Resp: 188812

Ion Ratio Lower Upper

264 100

260 23.6 18.2 27.2

265 21.4 17.8 26.6



#88

Benzo(b)fluoranthene

Concen: 3.386 ng

RT: 15.045 min Scan# 2203

Delta R.T. -0.012 min

Lab File: BF133733.D

Acq: 13 Jun 2023 16:20

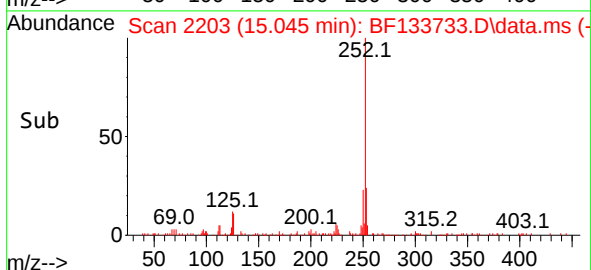
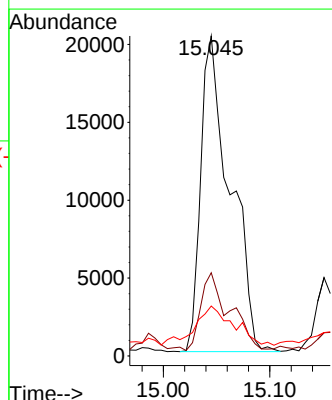
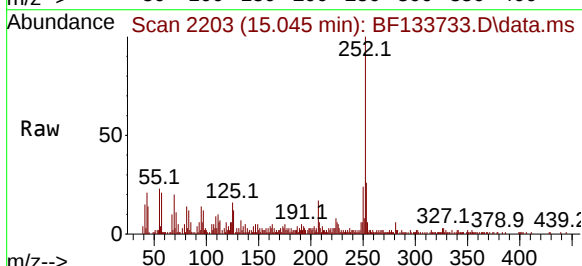
Tgt Ion:252 Resp: 38835

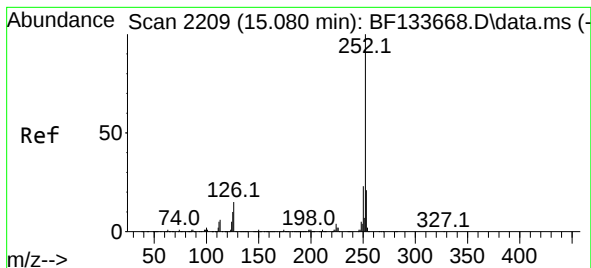
Ion Ratio Lower Upper

252 100

253 26.0 17.0 25.6#

125 15.6 7.3 10.9#





#89

Benzo(k)fluoranthene

Concen: 3.476 ng

RT: 15.045 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF133733.D

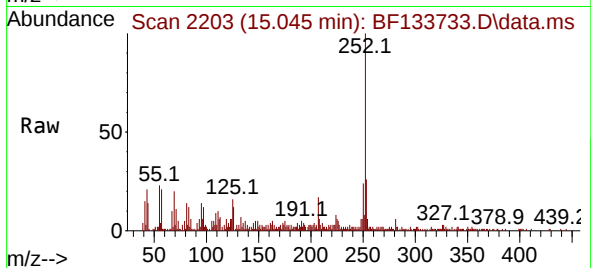
Acq: 13 Jun 2023 16:20

Instrument :

BNA_F

ClientSampleId :

SB36



Tgt Ion:252 Resp: 38835

Ion Ratio Lower Upper

252 100

253 26.0 17.0 25.4#

125 15.6 7.8 11.6#

