

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081023\
 Data File : BF134718.D
 Acq On : 10 Aug 2023 20:03
 Operator : CG\JU
 Sample : 03956-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-PP23A

Quant Time: Aug 11 03:57:18 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

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

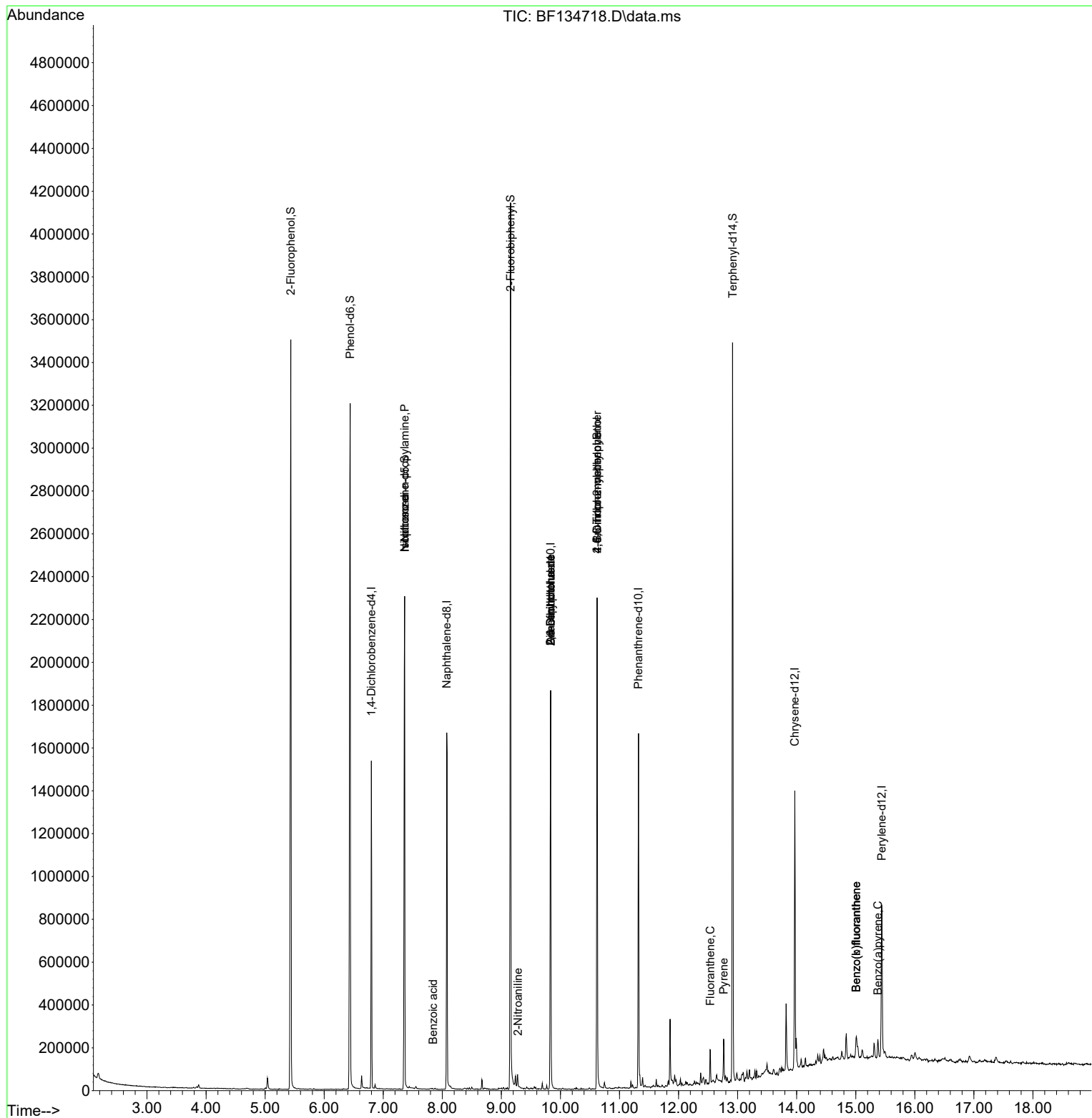
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	200187	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	761725	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	355604	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	562192	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	398427	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	348545	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	963067	73.130	ng	0.00
7) Phenol-d6	6.440	99	1191594	70.783	ng	0.00
23) Nitrobenzene-d5	7.363	82	729744	59.869	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	278239	76.755	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1316693	61.564	ng	0.00
79) Terphenyl-d14	12.916	244	1205983	53.359	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.351	77	370	Below Cal		88
19) n-Nitroso-di-n-propyla...	7.363	70	97820	9.705 ng	#	71
25) Isophorone	7.363	82	727516	27.365 ng	#	65
32) Benzoic acid	7.845	122	71	7.875 ng		86
48) 2-Nitroaniline	9.281	65	629	3.257 ng	#	23
50) Dimethylphthalate	9.833	163	72816	3.004 ng	#	1
51) 2,6-Dinitrotoluene	9.833	165	45847	11.248 ng	#	17
57) 2,4-Dinitrotoluene	9.833	165	45905	10.050 ng	#	18
65) 4,6-Dinitro-2-methylph...	10.622	198	588	8.911 ng	#	1
67) 4-Bromophenyl-phenylether	10.622	248	17521	2.847 ng	#	1
75) Fluoranthene	12.539	202	64581	2.047 ng		96
78) Pyrene	12.763	202	81936	2.377 ng		96
88) Benzo(b)fluoranthene	15.010	252	76602	3.604 ng	#	96
89) Benzo(k)fluoranthene	15.010	252	76602	3.617 ng	#	96
90) Benzo(a)pyrene	15.374	252	42458	2.142 ng	#	94

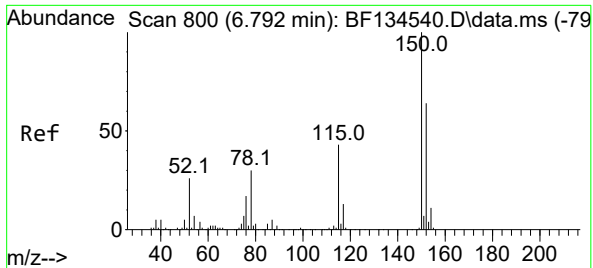
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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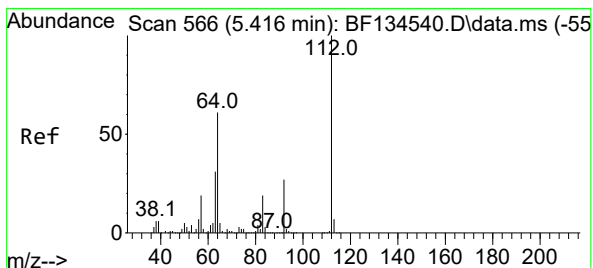
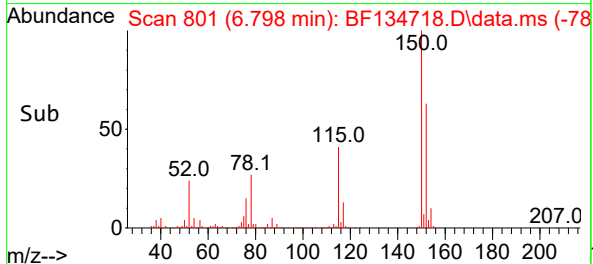
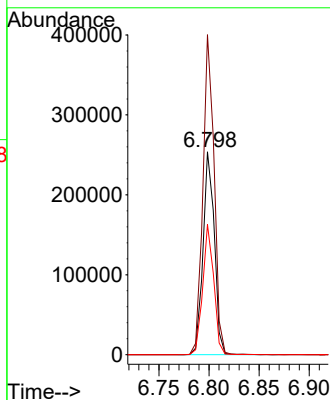
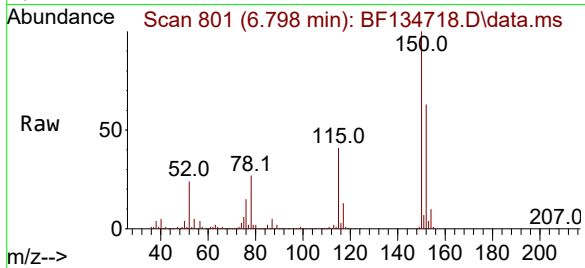




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF134718.D
Acq: 10 Aug 2023 20:03

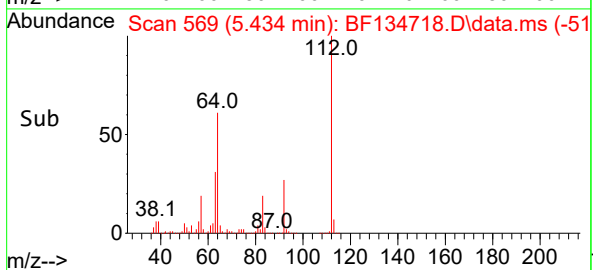
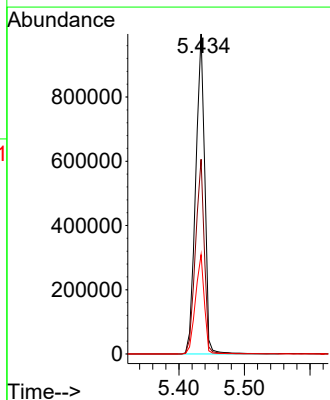
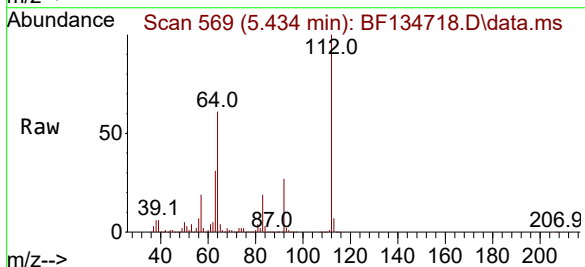
Instrument :
BNA_F
ClientSampleId :
B-PP23A

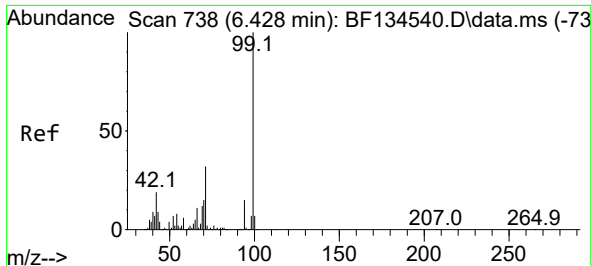
Tgt Ion:152 Resp: 200187
Ion Ratio Lower Upper
152 100
150 157.7 128.3 192.5
115 64.2 52.4 78.6



#5
2-Fluorophenol
Concen: 73.130 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF134718.D
Acq: 10 Aug 2023 20:03

Tgt Ion:112 Resp: 963067
Ion Ratio Lower Upper
112 100
64 60.9 44.9 67.3
63 31.1 25.4 38.0

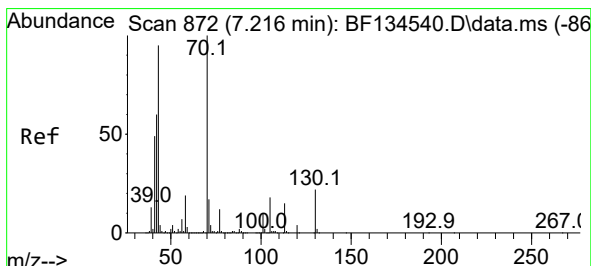
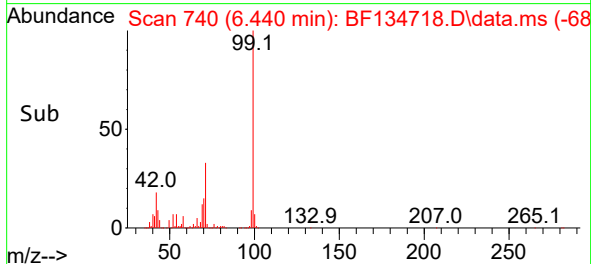
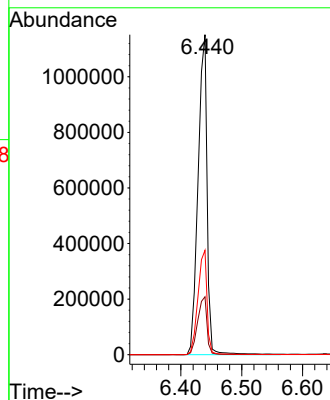
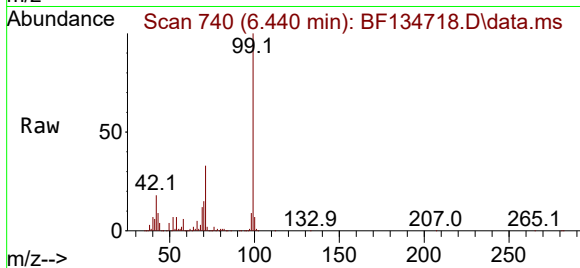




#7
Phenol-d6
Concen: 70.783 ng
RT: 6.440 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF134718.D
Acq: 10 Aug 2023 20:03

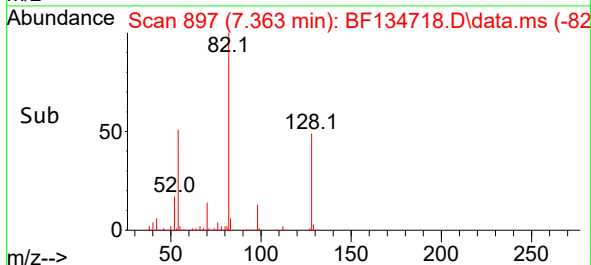
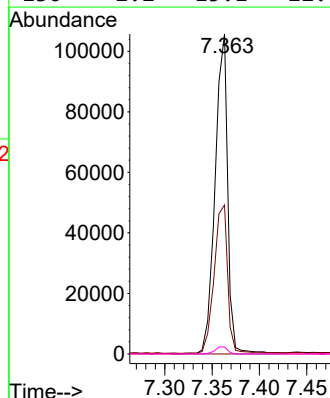
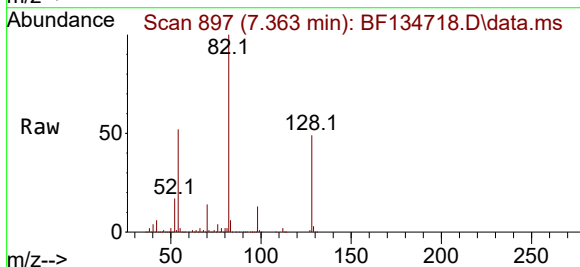
Instrument :
BNA_F
ClientSampleId :
B-PP23A

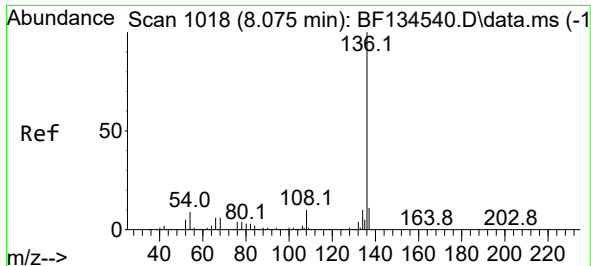
Tgt Ion: 99 Resp: 1191594
Ion Ratio Lower Upper
99 100
42 18.1 18.7 28.1#
71 32.6 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 9.705 ng
RT: 7.363 min Scan# 897
Delta R.T. 0.141 min
Lab File: BF134718.D
Acq: 10 Aug 2023 20:03

Tgt Ion: 70 Resp: 97820
Ion Ratio Lower Upper
70 100
42 46.5 54.7 82.1#
101 0.0 8.2 12.2#
130 2.2 15.1 22.7#

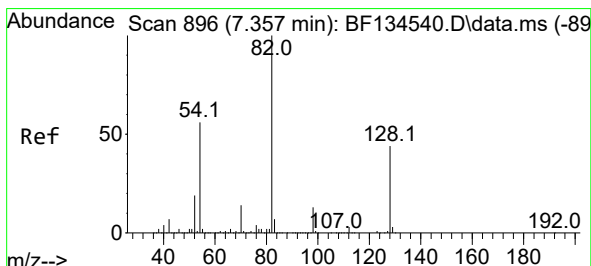
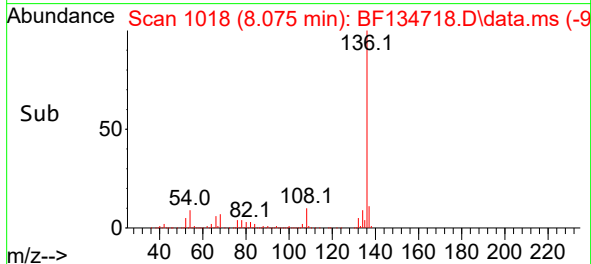
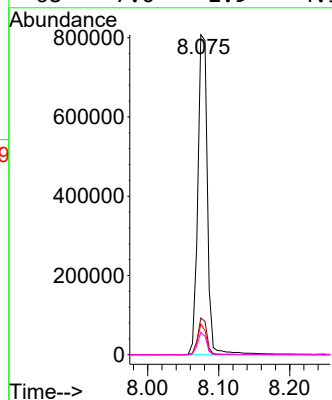
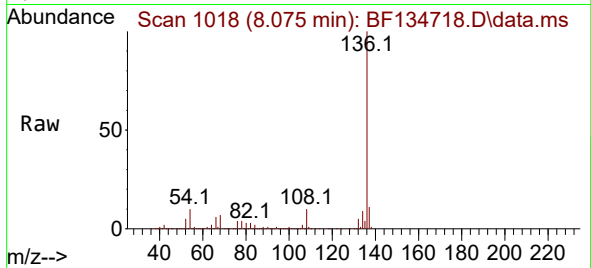




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134718.D
Acq: 10 Aug 2023 20:03

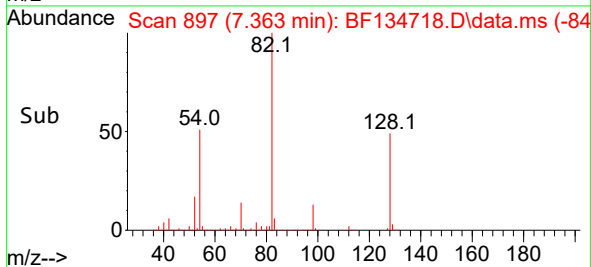
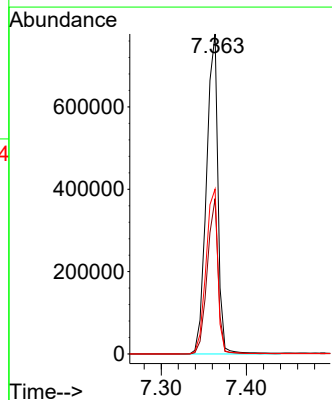
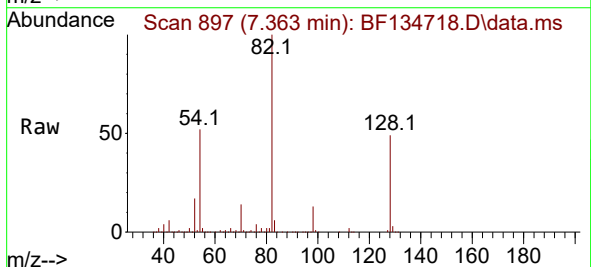
Instrument :
BNA_F
ClientSampleId :
B-PP23A

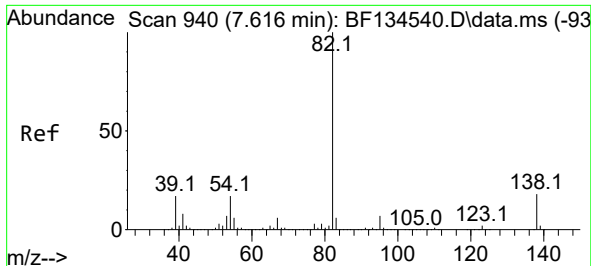
Tgt Ion:136 Resp: 761725
Ion Ratio Lower Upper
136 100
137 11.4 8.4 12.6
54 9.5 5.2 7.8#
68 7.0 2.9 4.3#



#23
Nitrobenzene-d5
Concen: 59.869 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.006 min
Lab File: BF134718.D
Acq: 10 Aug 2023 20:03

Tgt Ion: 82 Resp: 729744
Ion Ratio Lower Upper
82 100
128 48.5 34.3 51.5
54 51.5 43.8 65.6

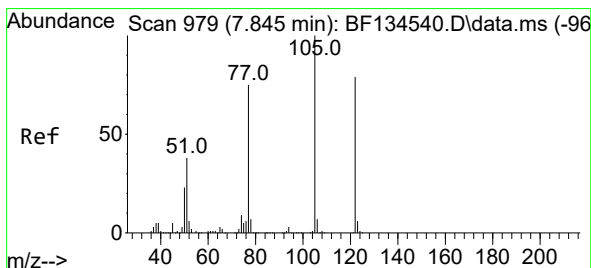
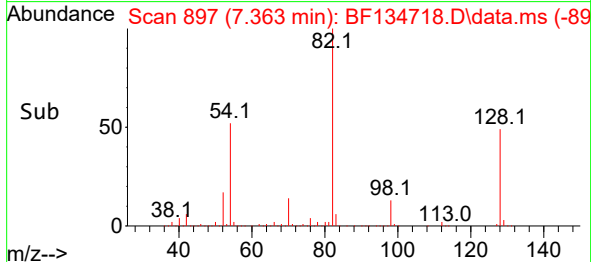
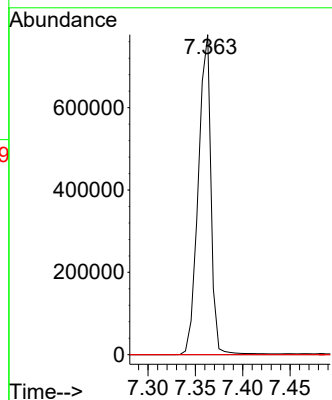
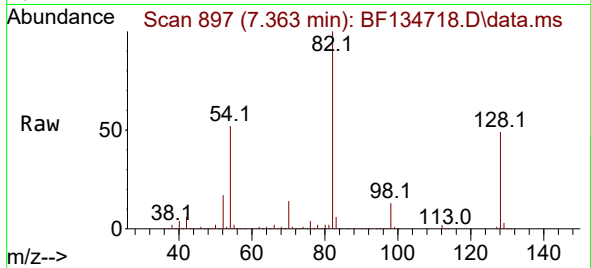




#25
Isophorone
Concen: 27.365 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.265 min
Lab File: BF134718.D
Acq: 10 Aug 2023 20:03

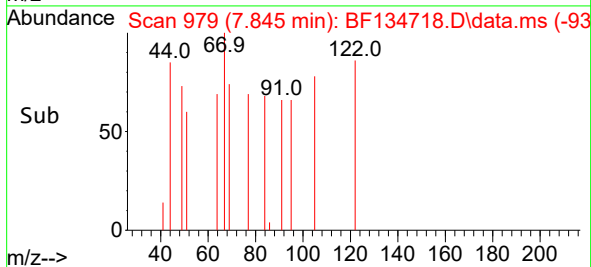
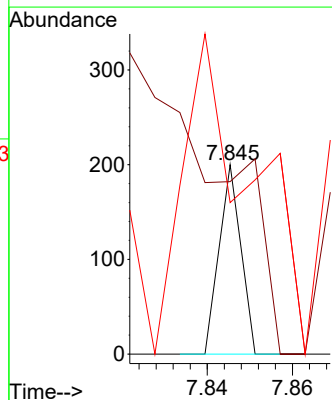
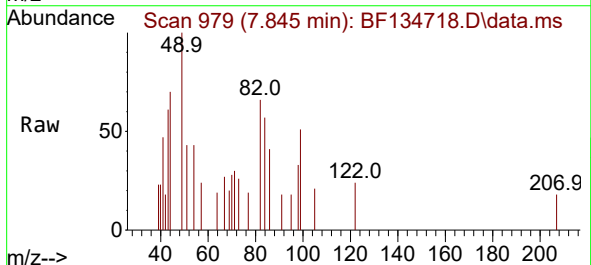
Instrument :
BNA_F
ClientSampleId :
B-PP23A

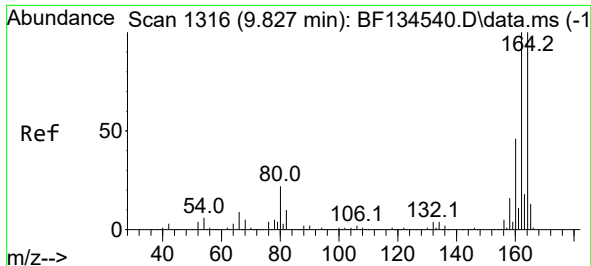
Tgt Ion: 82 Resp: 727516
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.875 ng
RT: 7.845 min Scan# 979
Delta R.T. -0.018 min
Lab File: BF134718.D
Acq: 10 Aug 2023 20:03

Tgt Ion: 122 Resp: 71
Ion Ratio Lower Upper
122 100
105 91.0 87.5 127.5
77 80.0 71.4 111.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.833 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF134718.D

Acq: 10 Aug 2023 20:03

Instrument :

BNA_F

ClientSampleId :

B-PP23A

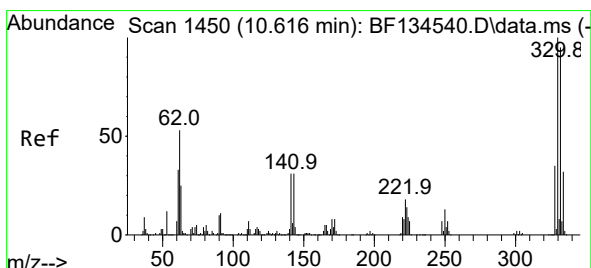
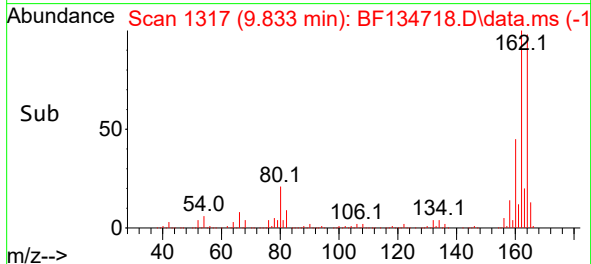
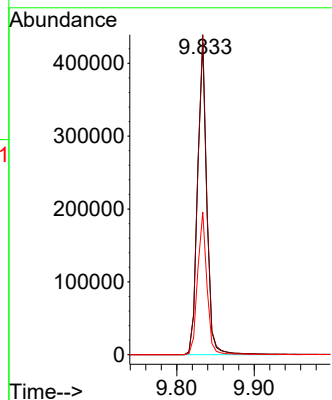
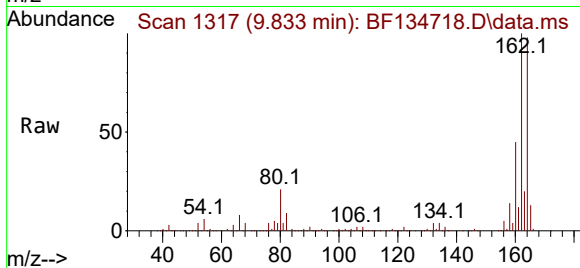
Tgt Ion:164 Resp: 355604

Ion Ratio Lower Upper

164 100

162 102.4 82.6 123.8

160 45.6 37.2 55.8



#42

2,4,6-Tribromophenol

Concen: 76.755 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF134718.D

Acq: 10 Aug 2023 20:03

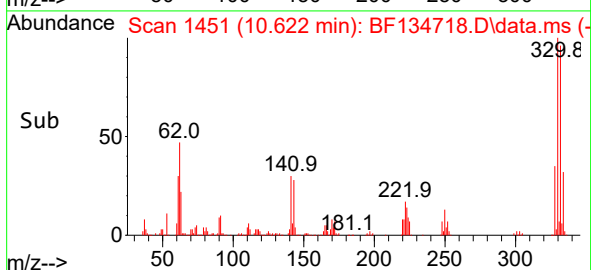
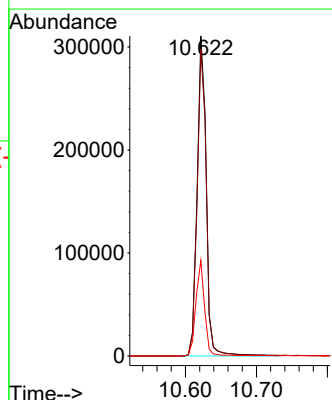
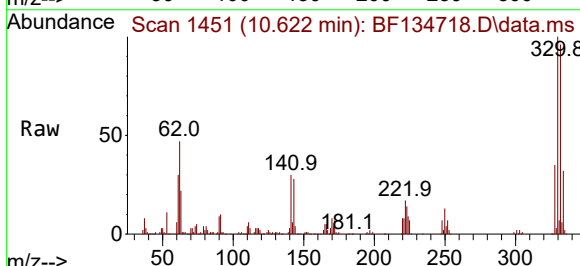
Tgt Ion:330 Resp: 278239

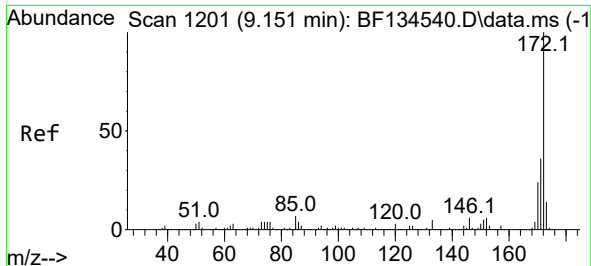
Ion Ratio Lower Upper

330 100

332 96.6 78.8 118.2

141 28.8 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 61.564 ng

RT: 9.157 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134718.D

Acq: 10 Aug 2023 20:03

Instrument :

BNA_F

ClientSampleId :

B-PP23A

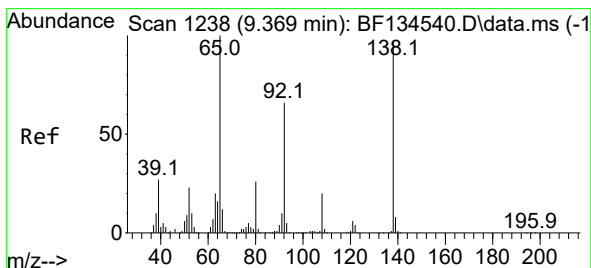
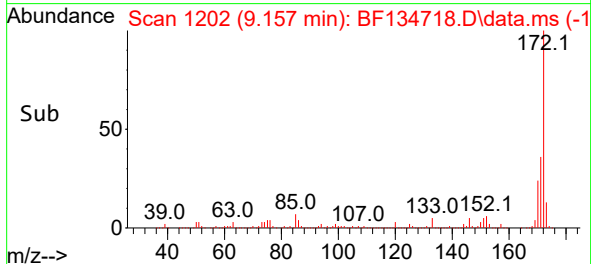
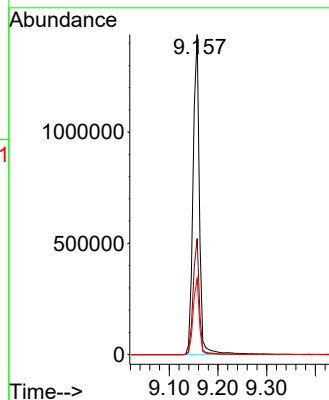
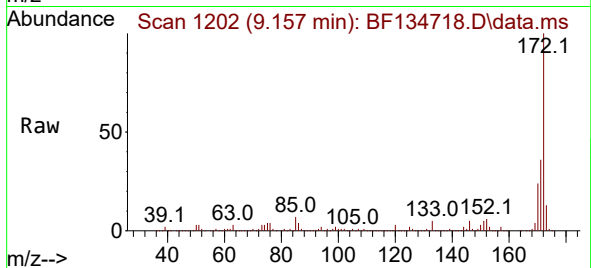
Tgt Ion:172 Resp: 1316693

Ion Ratio Lower Upper

172 100

171 36.3 28.8 43.2

170 23.8 18.7 28.1



#48

2-Nitroaniline

Concen: 3.257 ng

RT: 9.281 min Scan# 1223

Delta R.T. -0.100 min

Lab File: BF134718.D

Acq: 10 Aug 2023 20:03

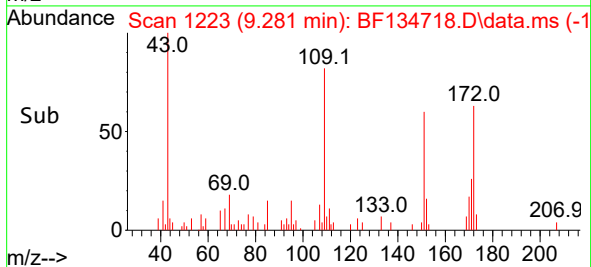
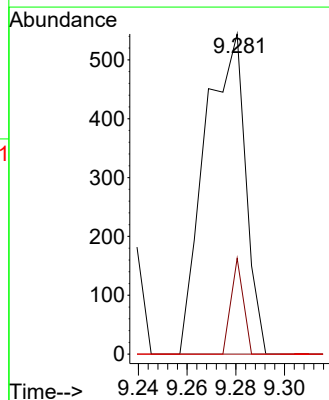
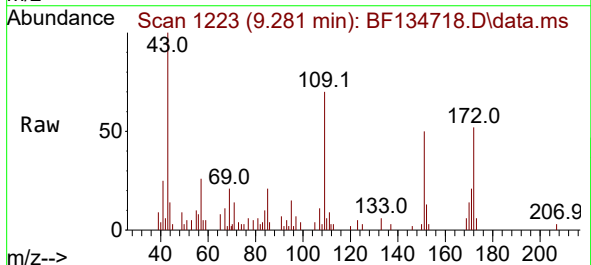
Tgt Ion: 65 Resp: 629

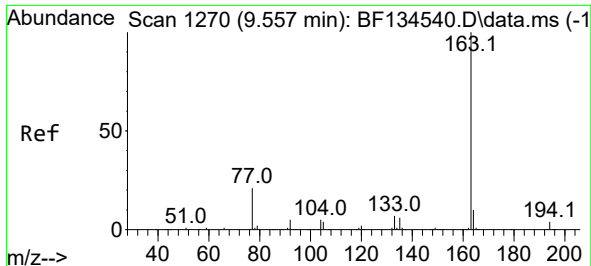
Ion Ratio Lower Upper

65 100

92 30.0 50.7 76.1#

138 0.0 78.2 117.4#

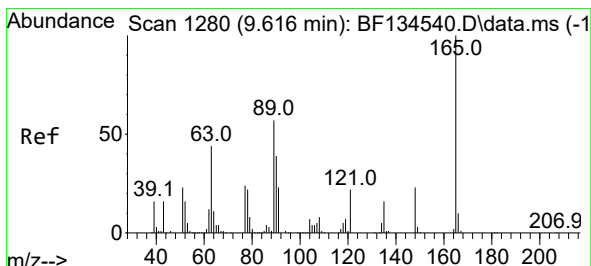
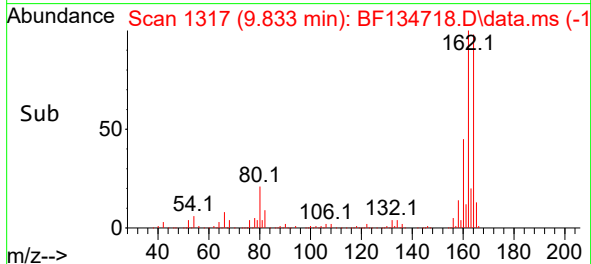
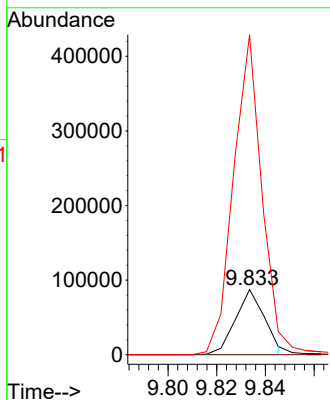
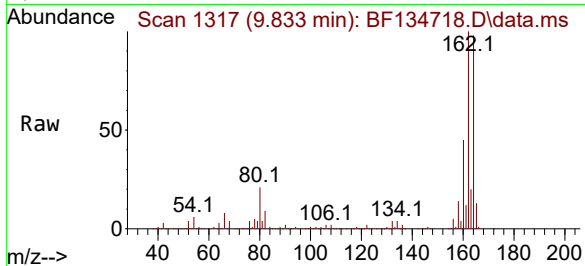




#50
Dimethylphthalate
Concen: 3.004 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.265 min
Lab File: BF134718.D
Acq: 10 Aug 2023 20:03

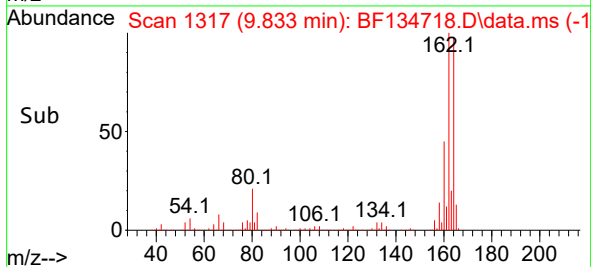
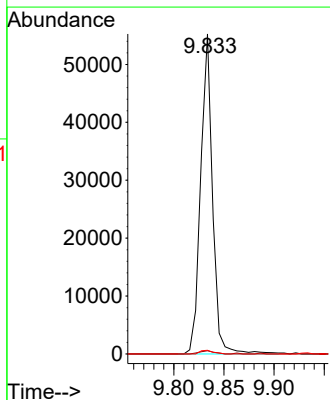
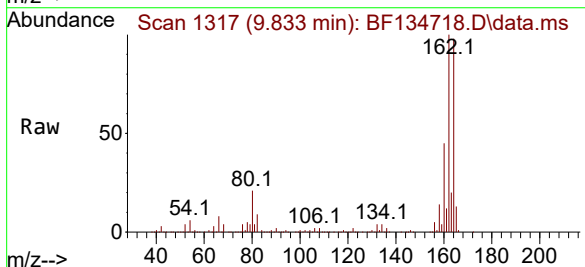
Instrument :
BNA_F
ClientSampleId :
B-PP23A

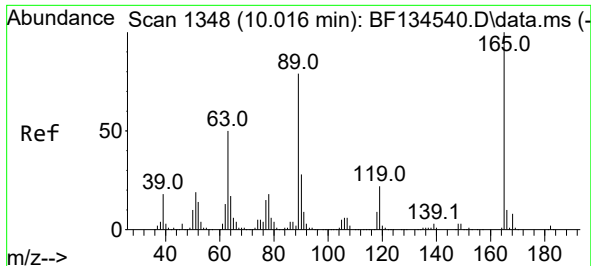
Tgt Ion:163 Resp: 72816
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 491.7 7.5 11.3#



#51
2,6-Dinitrotoluene
Concen: 11.248 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.206 min
Lab File: BF134718.D
Acq: 10 Aug 2023 20:03

Tgt Ion:165 Resp: 45847
Ion Ratio Lower Upper
165 100
63 1.0 57.8 86.6#
89 1.1 51.8 77.8#





#57

2,4-Dinitrotoluene

Concen: 10.050 ng

RT: 9.833 min Scan# 1

Delta R.T. -0.194 min

Lab File: BF134718.D

Acq: 10 Aug 2023 20:03

Instrument :

BNA_F

ClientSampleId :

B-PP23A

Tgt Ion:165 Resp: 45905

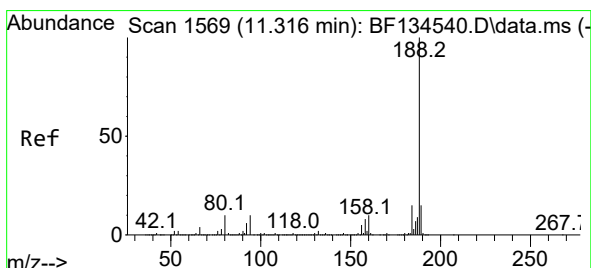
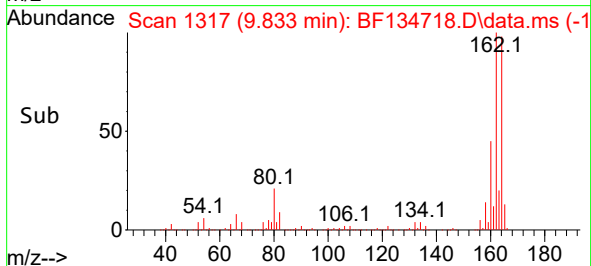
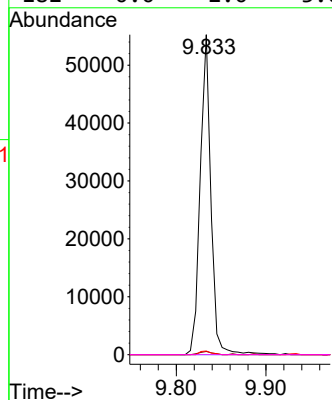
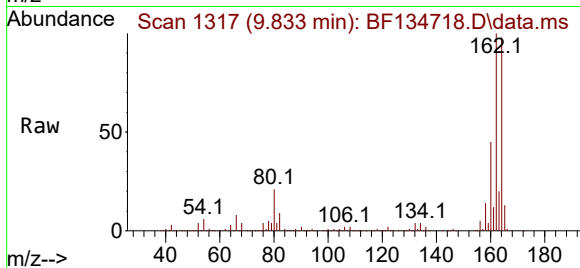
Ion Ratio Lower Upper

165 100

63 1.0 48.9 73.3#

89 1.1 61.7 92.5#

182 0.0 2.0 3.0#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.322 min Scan# 1570

Delta R.T. 0.000 min

Lab File: BF134718.D

Acq: 10 Aug 2023 20:03

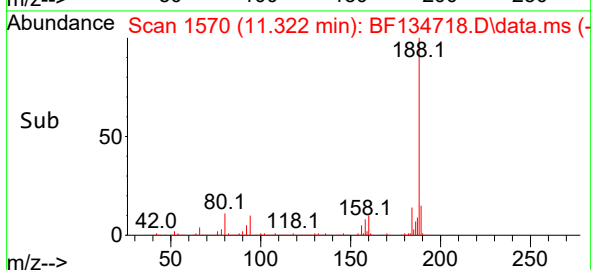
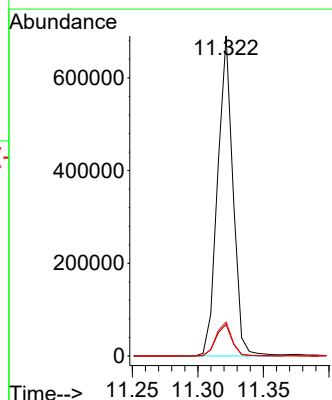
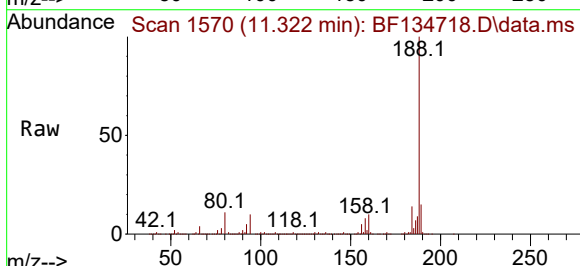
Tgt Ion:188 Resp: 562192

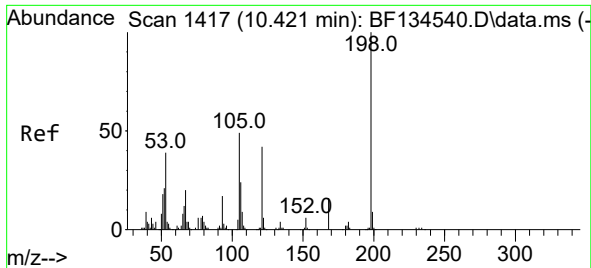
Ion Ratio Lower Upper

188 100

94 9.8 5.1 7.7#

80 10.6 6.6 9.8#

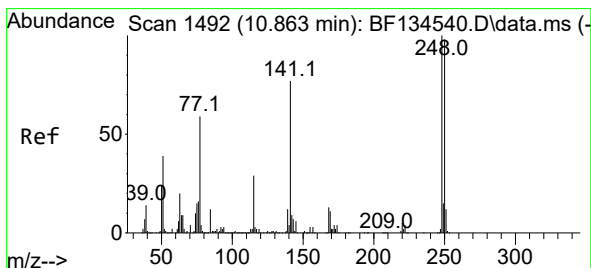
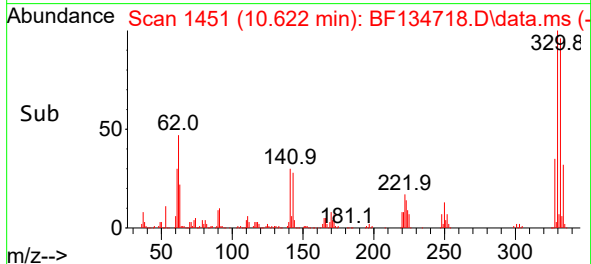
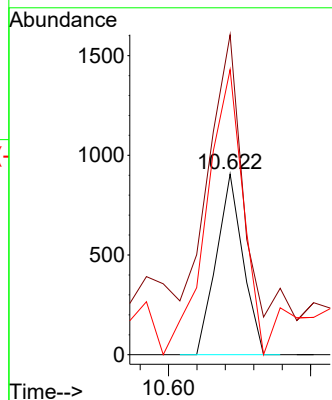
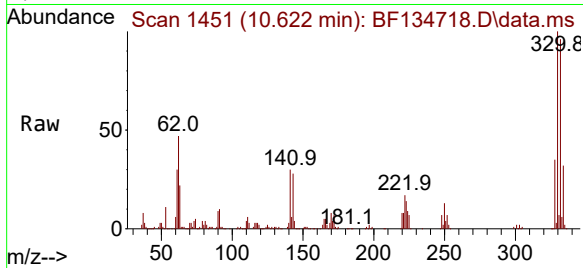




#65
4,6-Dinitro-2-methylphenol
Concen: 8.911 ng
RT: 10.622 min Scan# 1417
Delta R.T. 0.182 min
Lab File: BF134718.D
Acq: 10 Aug 2023 20:03

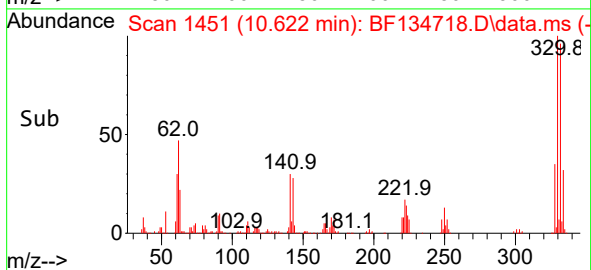
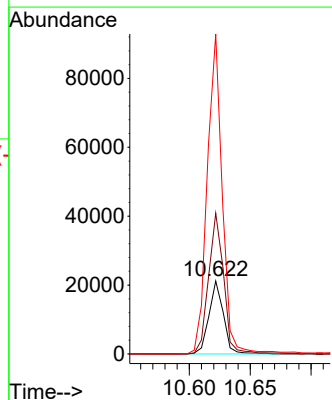
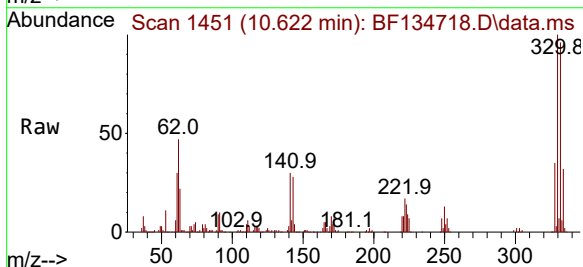
Instrument :
BNA_F
ClientSampleId :
B-PP23A

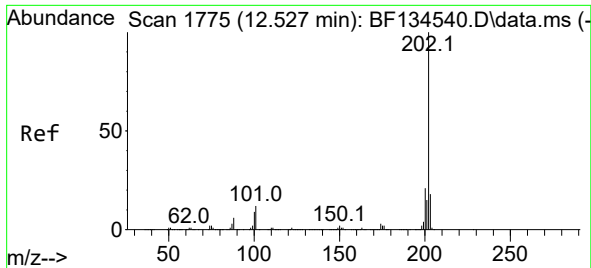
Tgt Ion:198 Resp: 588
Ion Ratio Lower Upper
198 100
51 177.2 38.6 78.6#
105 157.8 27.9 67.9#



#67
4-Bromophenyl-phenylether
Concen: 2.847 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.247 min
Lab File: BF134718.D
Acq: 10 Aug 2023 20:03

Tgt Ion:248 Resp: 17521
Ion Ratio Lower Upper
248 100
250 192.9 79.6 119.4#
141 438.2 59.6 89.4#

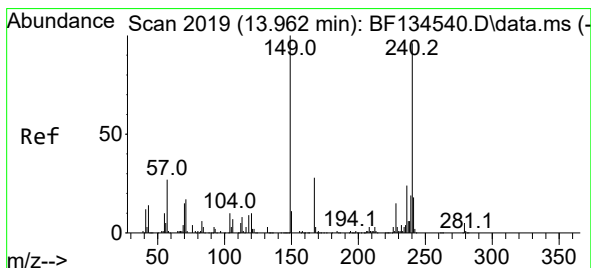
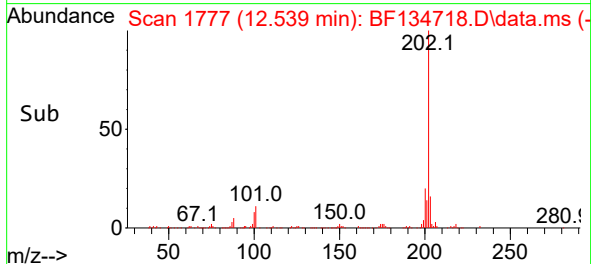
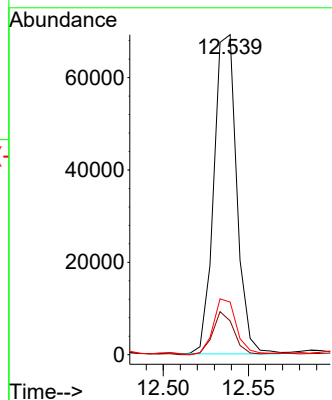
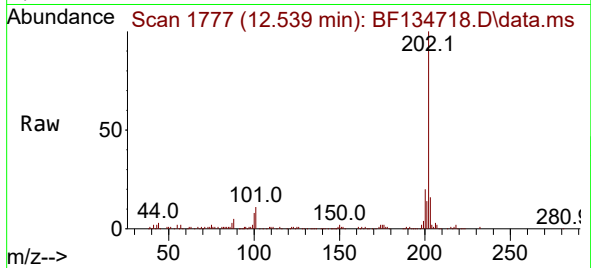




#75
Fluoranthene
Concen: 2.047 ng
RT: 12.539 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134718.D
Acq: 10 Aug 2023 20:03

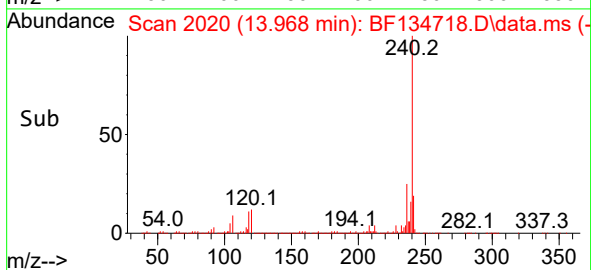
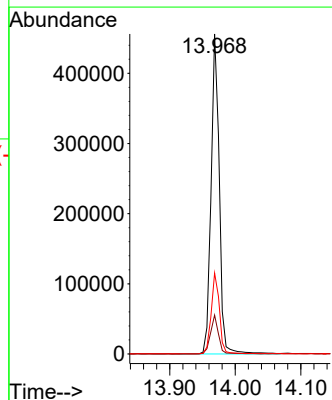
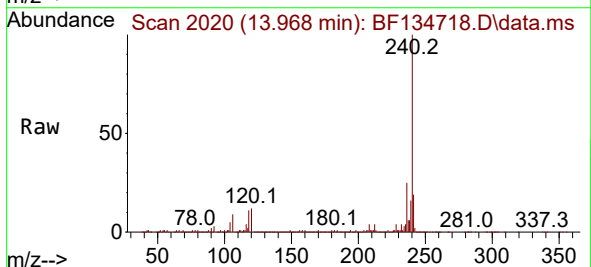
Instrument :
BNA_F
ClientSampleId :
B-PP23A

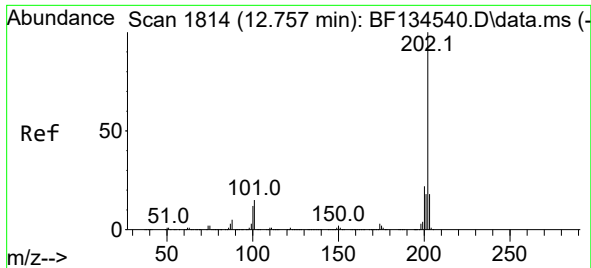
Tgt Ion:202 Resp: 64581
Ion Ratio Lower Upper
202 100
101 10.6 0.0 28.5
203 16.4 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF134718.D
Acq: 10 Aug 2023 20:03

Tgt Ion:240 Resp: 398427
Ion Ratio Lower Upper
240 100
120 12.2 6.6 10.0#
236 25.3 20.2 30.2

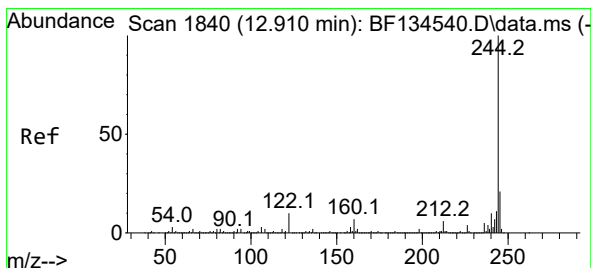
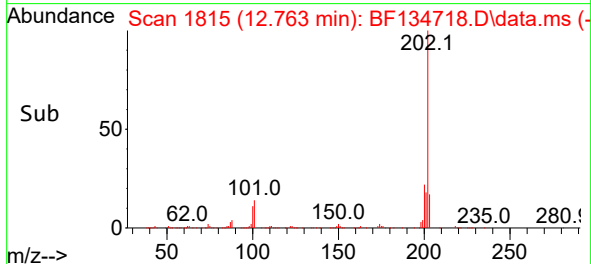
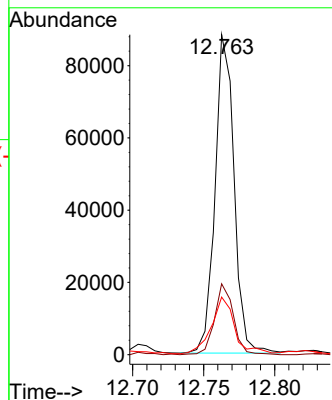
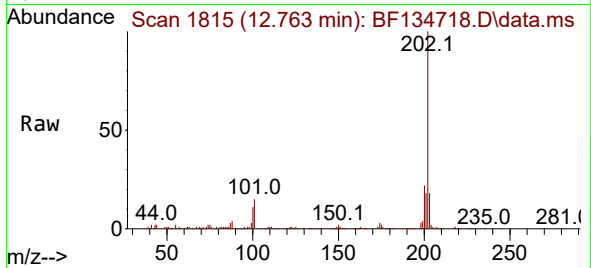




#78
 Pyrene
 Concen: 2.377 ng
 RT: 12.763 min Scan# 1815
 Delta R.T. -0.006 min
 Lab File: BF134718.D
 Acq: 10 Aug 2023 20:03

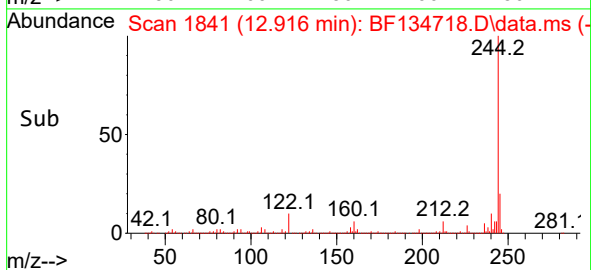
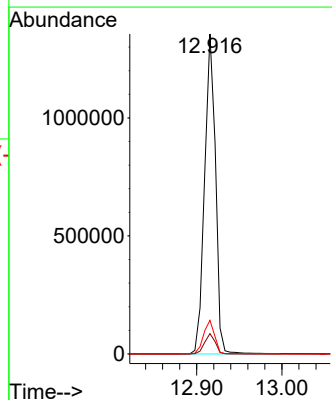
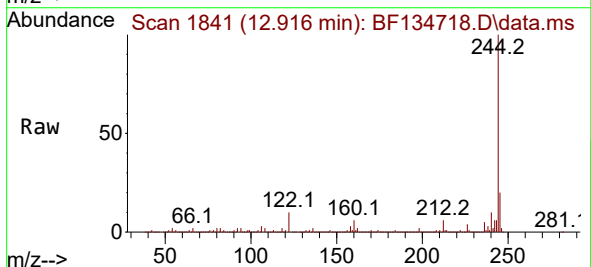
Instrument :
 BNA_F
 ClientSampleId :
 B-PP23A

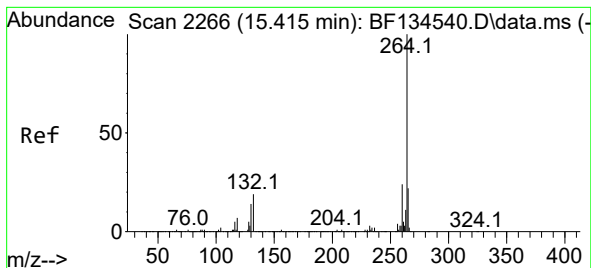
Tgt Ion:202 Resp: 81936
 Ion Ratio Lower Upper
 202 100
 200 22.2 15.8 23.8
 203 18.0 13.5 20.3



#79
 Terphenyl-d14
 Concen: 53.359 ng
 RT: 12.916 min Scan# 1841
 Delta R.T. -0.006 min
 Lab File: BF134718.D
 Acq: 10 Aug 2023 20:03

Tgt Ion:244 Resp: 1205983
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.6 8.4
 122 10.5 8.0 12.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 2197

Delta R.T. 0.000 min

Lab File: BF134718.D

Acq: 10 Aug 2023 20:03

Instrument :

BNA_F

ClientSampleId :

B-PP23A

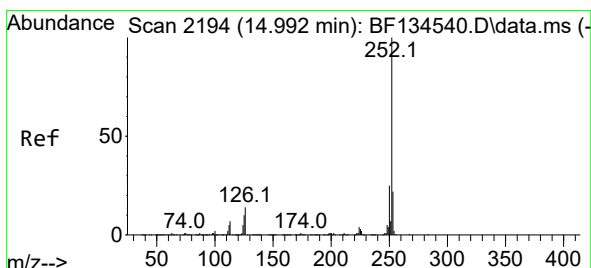
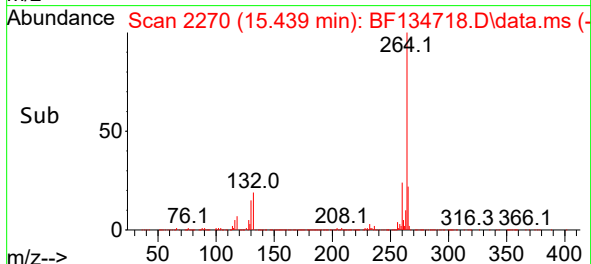
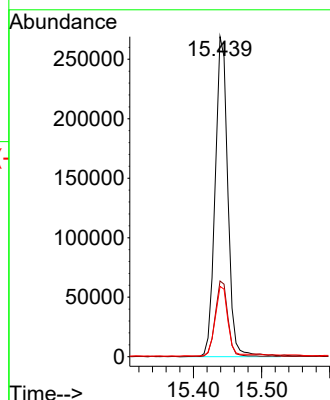
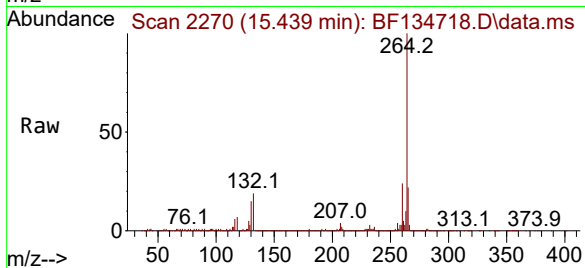
Tgt Ion:264 Resp: 348545

Ion Ratio Lower Upper

264 100

260 23.6 18.4 27.6

265 22.0 15.8 23.8



#88

Benzo(b)fluoranthene

Concen: 3.604 ng

RT: 15.010 min Scan# 2197

Delta R.T. 0.000 min

Lab File: BF134718.D

Acq: 10 Aug 2023 20:03

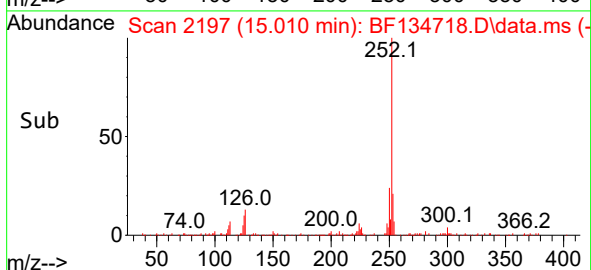
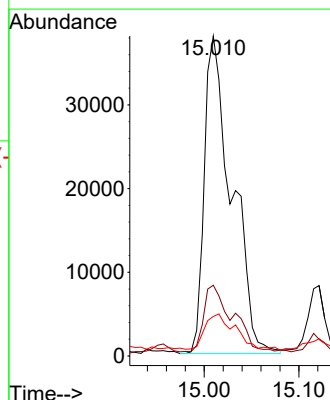
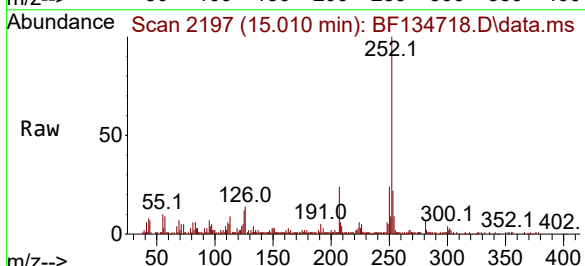
Tgt Ion:252 Resp: 76602

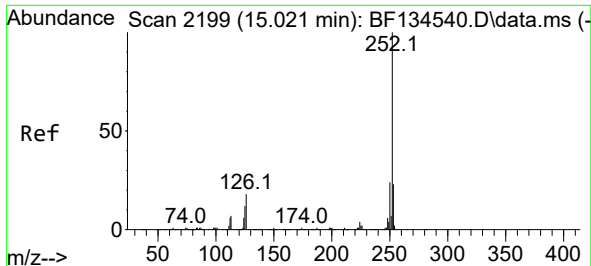
Ion Ratio Lower Upper

252 100

253 22.1 17.3 25.9

125 12.3 6.0 9.0#





#89

Benzo(k)fluoranthene

Concen: 3.617 ng

RT: 15.010 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF134718.D

Acq: 10 Aug 2023 20:03

Instrument :

BNA_F

ClientSampleId :

B-PP23A

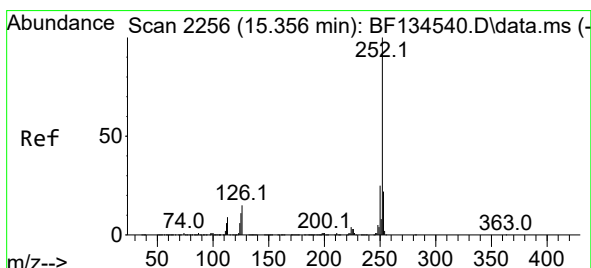
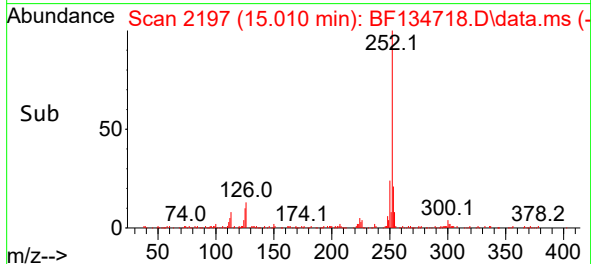
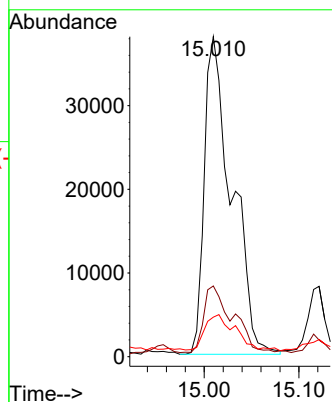
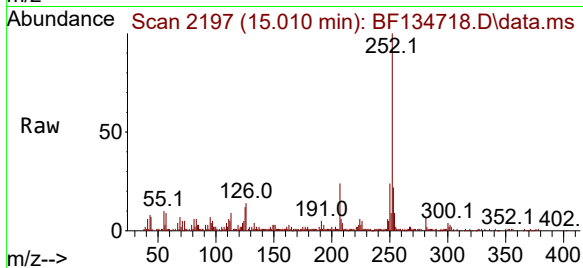
Tgt Ion:252 Resp: 76602

Ion Ratio Lower Upper

252 100

253 22.1 17.9 26.9

125 12.3 6.3 9.5#



#90

Benzo(a)pyrene

Concen: 2.142 ng

RT: 15.374 min Scan# 2259

Delta R.T. -0.006 min

Lab File: BF134718.D

Acq: 10 Aug 2023 20:03

Tgt Ion:252 Resp: 42458

Ion Ratio Lower Upper

252 100

253 22.5 17.0 25.4

125 12.8 6.2 9.4#

