

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090123\
 Data File : BF135081.D
 Acq On : 01 Sep 2023 17:42
 Operator : CG\JU
 Sample : 04203-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2(12-12.5)

Quant Time: Sep 04 01:08:59 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 31 03:48:08 2023
 Response via : Initial Calibration

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

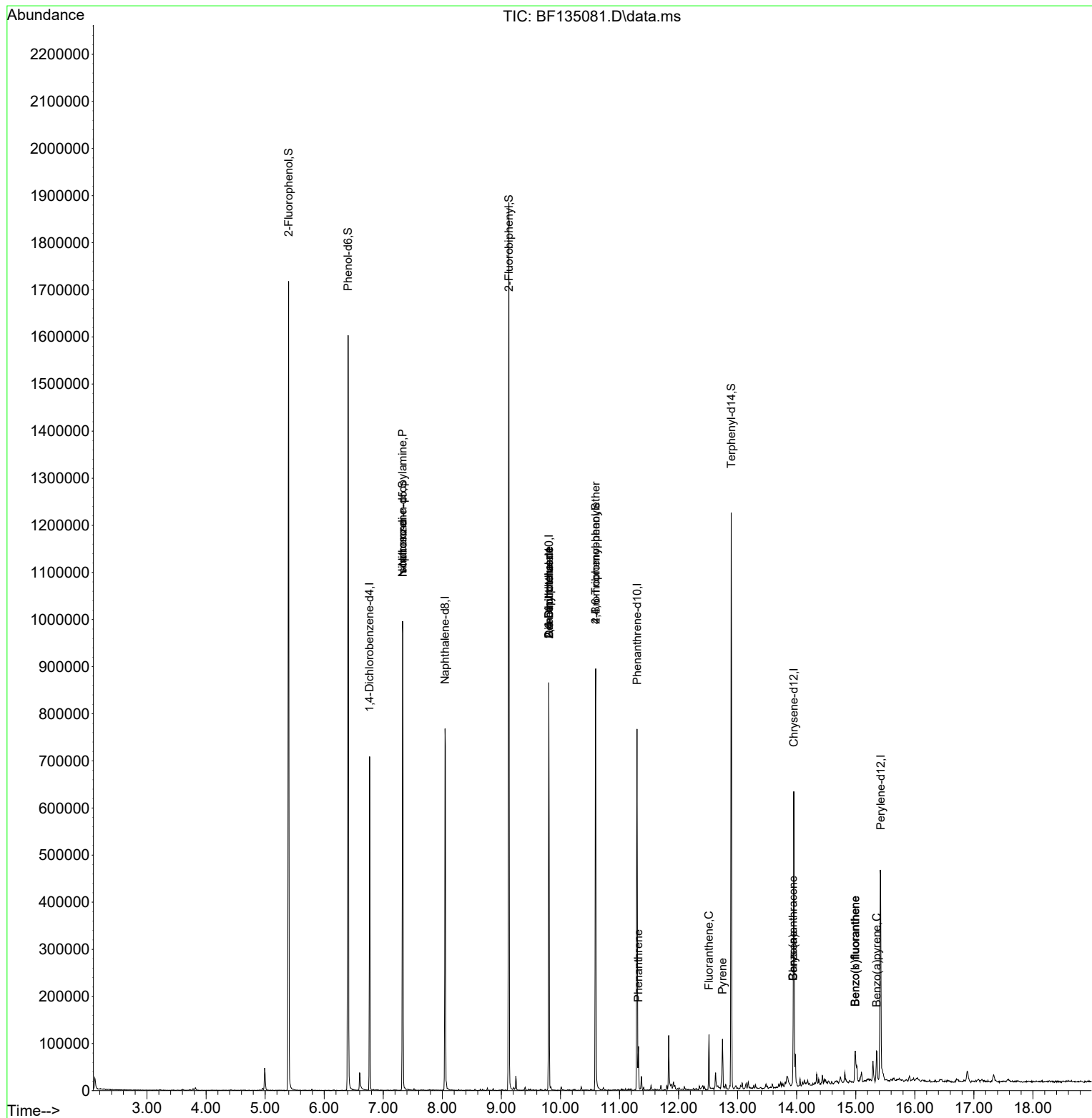
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	87249	20.000	ng	0.00
21) Naphthalene-d8	8.045	136	346982	20.000	ng	-0.01
39) Acenaphthene-d10	9.804	164	162940	20.000	ng	-0.01
64) Phenanthrene-d10	11.298	188	260861	20.000	ng	-0.01
76) Chrysene-d12	13.951	240	187912	20.000	ng	-0.01
86) Perylene-d12	15.421	264	211003	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	435425	77.086	ng	0.00
7) Phenol-d6	6.404	99	515215	73.178	ng	-0.01
23) Nitrobenzene-d5	7.328	82	315997	51.164	ng	-0.02
42) 2,4,6-Tribromophenol	10.598	330	110216	63.766	ng	-0.01
45) 2-Fluorobiphenyl	9.128	172	530980	53.056	ng	-0.01
79) Terphenyl-d14	12.892	244	407479	35.387	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.328	70	42847	10.245	ng	# 75
25) Isophorone	7.328	82	316046	26.990	ng	# 65
50) Dimethylphthalate	9.804	163	32093	2.813	ng	# 1
51) 2,6-Dinitrotoluene	9.804	165	21592	8.625	ng	# 22
57) 2,4-Dinitrotoluene	9.804	165	21592	6.921	ng	# 20
67) 4-Bromophenyl-phenylether	10.598	248	6903	2.495	ng	# 1
71) Phenanthrene	11.322	178	32151	2.389	ng	97
75) Fluoranthene	12.516	202	43010	3.161	ng	98
78) Pyrene	12.745	202	41112	2.304	ng	100
81) Benzo(a)anthracene	13.939	228	31453	2.454	ng	93
83) Chrysene	13.939	228	31453	2.497	ng	98
88) Benzo(b)fluoranthene	14.992	252	51806	3.946	ng	96
89) Benzo(k)fluoranthene	14.992	252	51806	4.084	ng	97
90) Benzo(a)pyrene	15.357	252	30021	2.461	ng	94

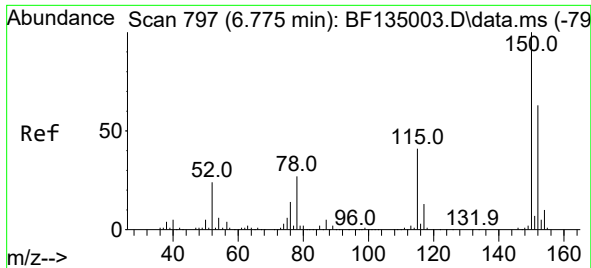
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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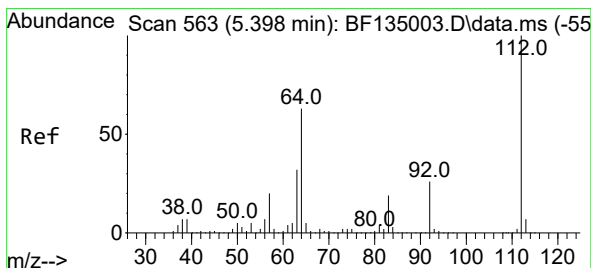
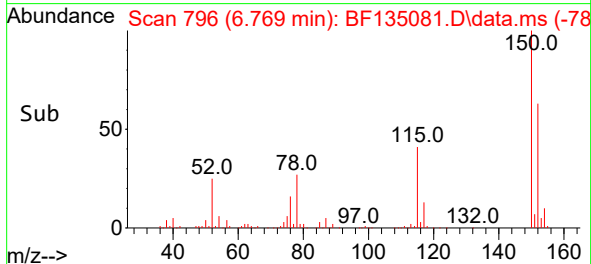
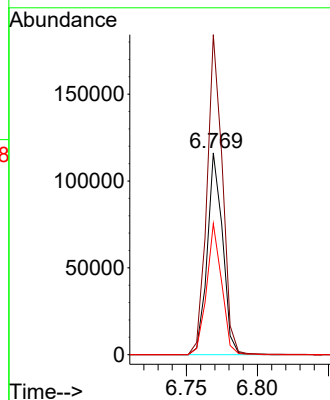
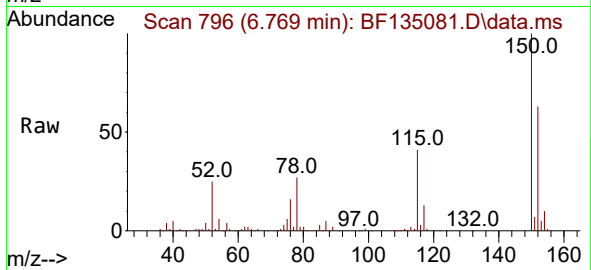




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.769 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF135081.D
Acq: 01 Sep 2023 17:42

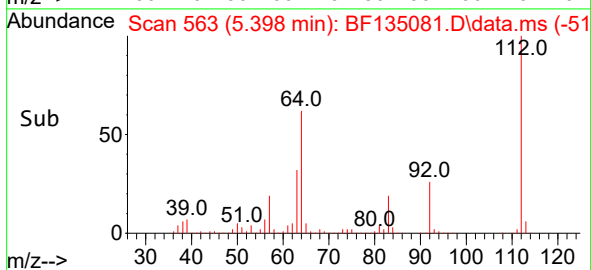
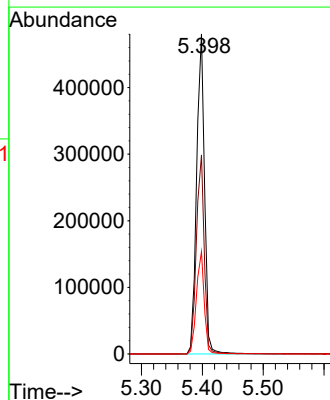
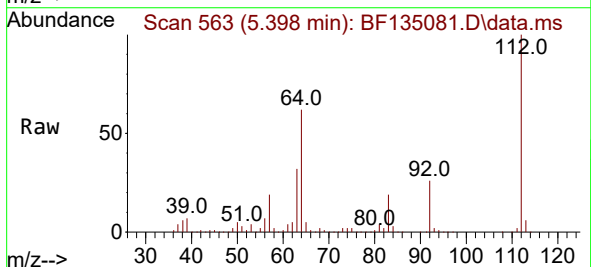
Instrument :
BNA_F
ClientSampleId :
SB-2(12-12.5)

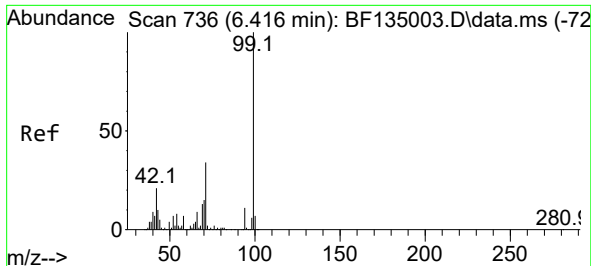
Tgt Ion:152 Resp: 87249
Ion Ratio Lower Upper
152 100
150 158.6 126.2 189.4
115 65.0 51.2 76.8



#5
2-Fluorophenol
Concen: 77.086 ng
RT: 5.398 min Scan# 563
Delta R.T. 0.000 min
Lab File: BF135081.D
Acq: 01 Sep 2023 17:42

Tgt Ion:112 Resp: 435425
Ion Ratio Lower Upper
112 100
64 62.2 50.5 75.7
63 31.9 25.9 38.9

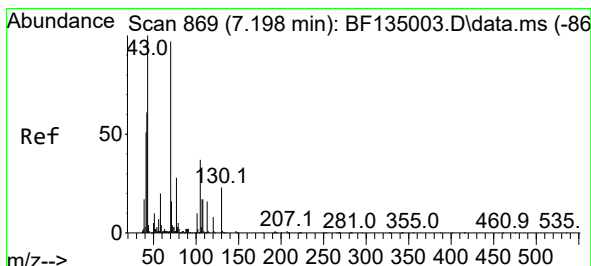
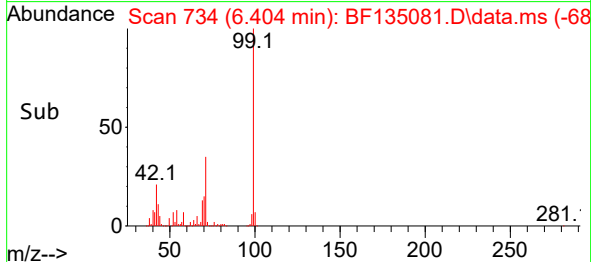
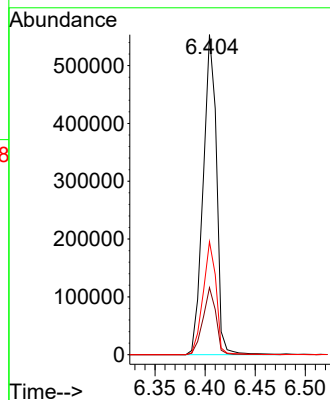
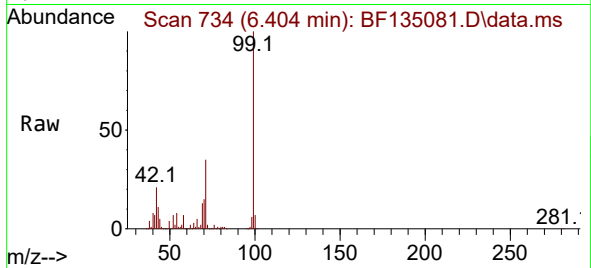




#7
Phenol-d6
Concen: 73.178 ng
RT: 6.404 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF135081.D
Acq: 01 Sep 2023 17:42

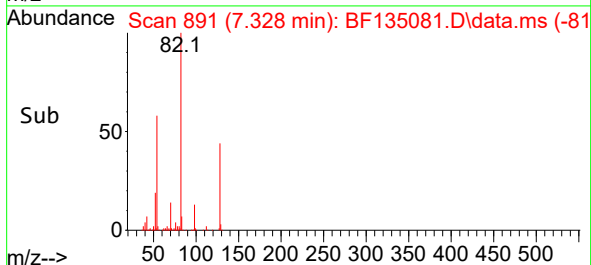
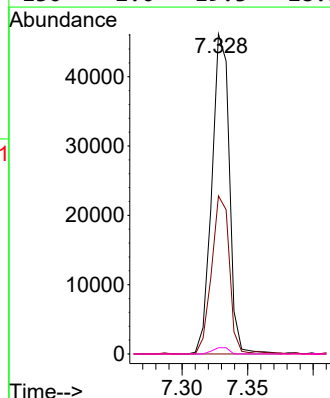
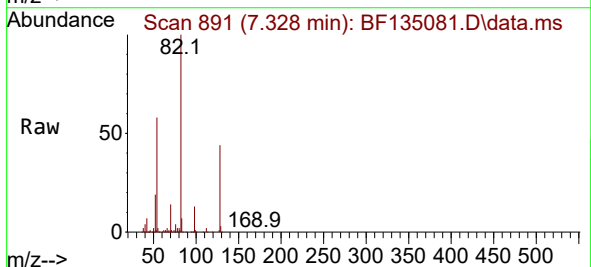
Instrument :
BNA_F
ClientSampleId :
SB-2(12-12.5)

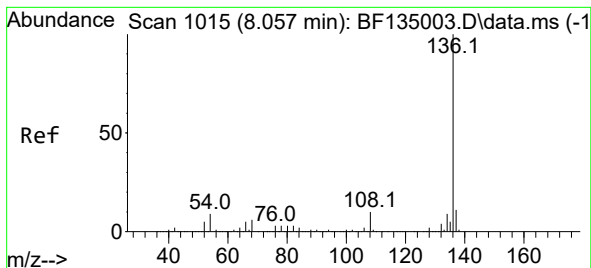
Tgt Ion: 99 Resp: 515215
Ion Ratio Lower Upper
99 100
42 20.9 16.6 25.0
71 35.3 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 10.245 ng
RT: 7.328 min Scan# 891
Delta R.T. 0.129 min
Lab File: BF135081.D
Acq: 01 Sep 2023 17:42

Tgt Ion: 70 Resp: 42847
Ion Ratio Lower Upper
70 100
42 49.4 50.2 75.4#
101 0.0 8.1 12.1#
130 2.0 19.3 28.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.045 min Scan# 1013

Delta R.T. -0.012 min

Lab File: BF135081.D

Acq: 01 Sep 2023 17:42

Instrument :

BNA_F

ClientSampleId :

SB-2(12-12.5)

Tgt Ion:136 Resp: 346982

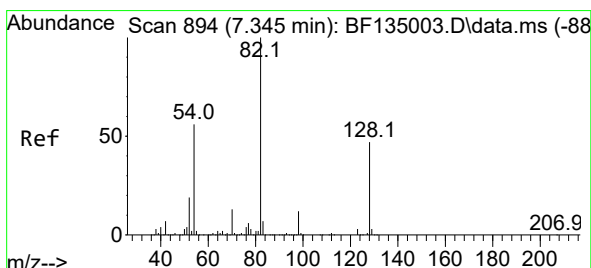
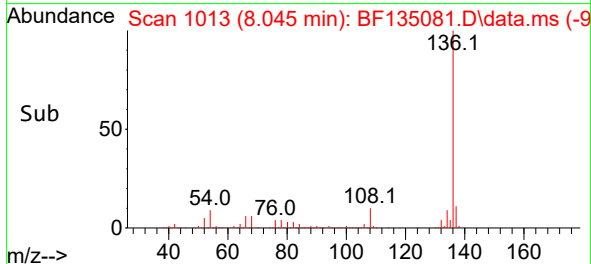
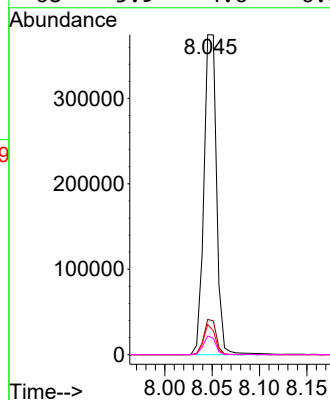
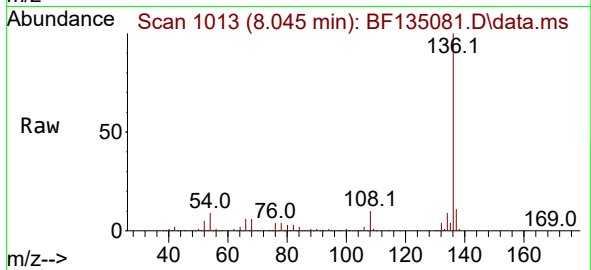
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 9.4 7.0 10.4

68 5.9 4.6 6.8



#23

Nitrobenzene-d5

Concen: 51.164 ng

RT: 7.328 min Scan# 891

Delta R.T. -0.018 min

Lab File: BF135081.D

Acq: 01 Sep 2023 17:42

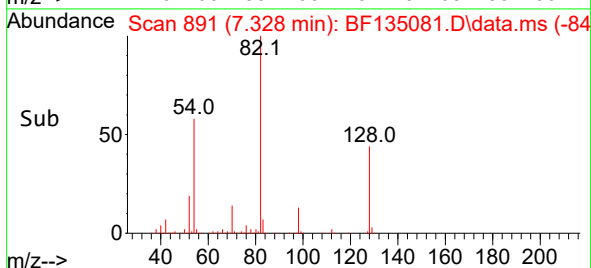
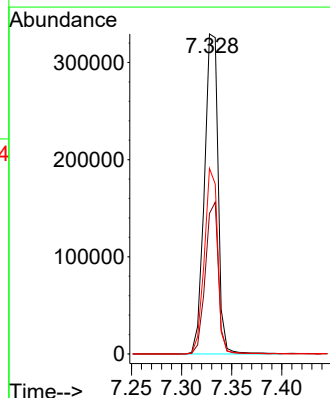
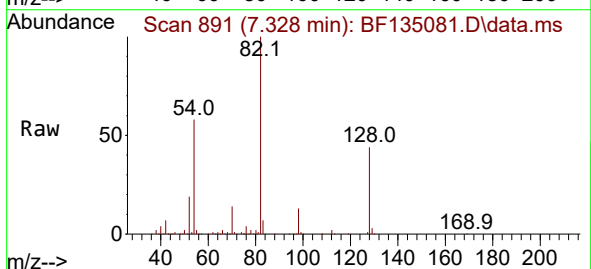
Tgt Ion: 82 Resp: 315997

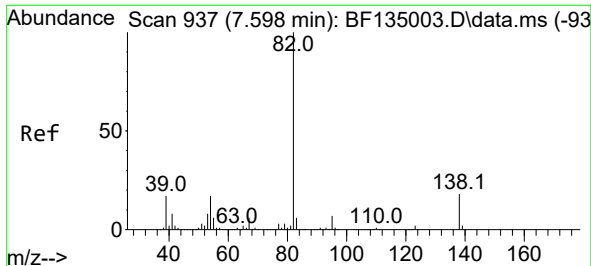
Ion Ratio Lower Upper

82 100

128 43.9 37.8 56.8

54 58.0 45.0 67.6

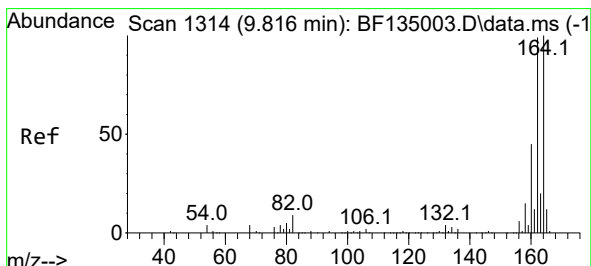
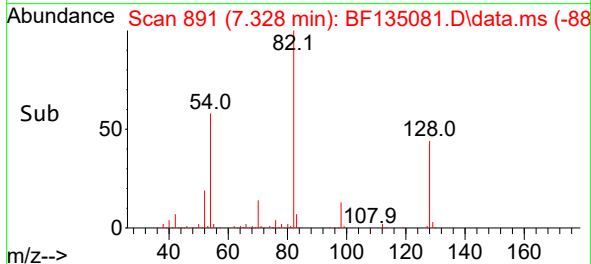
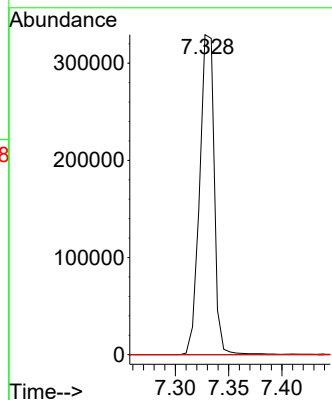
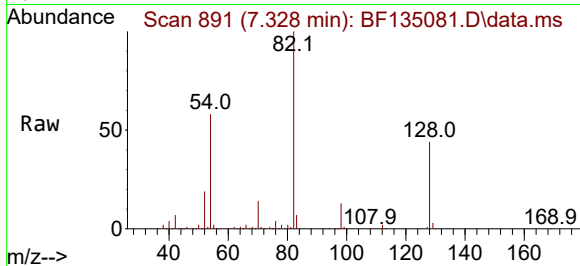




#25
Isophorone
Concen: 26.990 ng
RT: 7.328 min Scan# 891
Delta R.T. -0.271 min
Lab File: BF135081.D
Acq: 01 Sep 2023 17:42

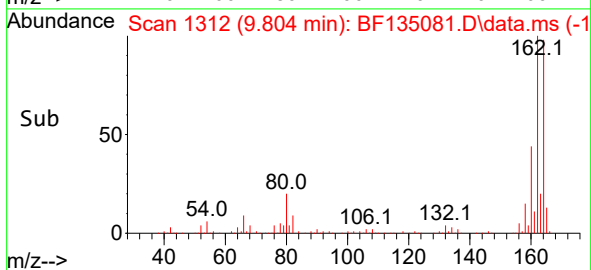
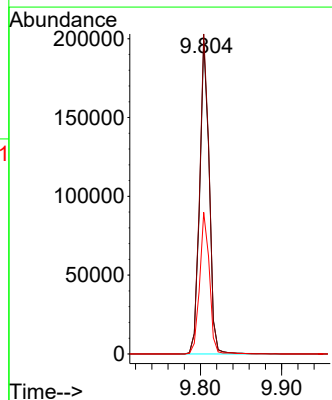
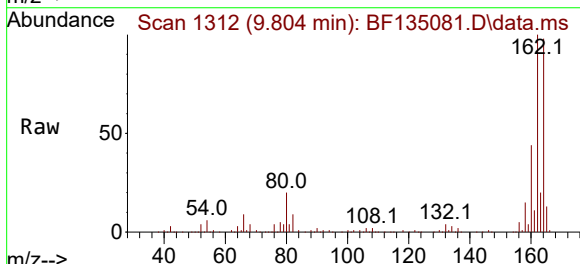
Instrument :
BNA_F
ClientSampleId :
SB-2(12-12.5)

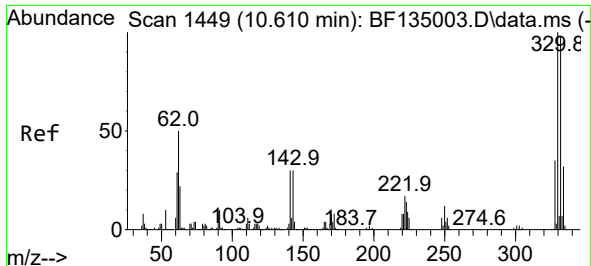
Tgt Ion: 82 Resp: 316046
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.7 22.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.804 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF135081.D
Acq: 01 Sep 2023 17:42

Tgt Ion:164 Resp: 162940
Ion Ratio Lower Upper
164 100
162 102.3 79.5 119.3
160 45.3 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 63.766 ng

RT: 10.598 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF135081.D

Acq: 01 Sep 2023 17:42

Instrument :

BNA_F

ClientSampleId :

SB-2(12-12.5)

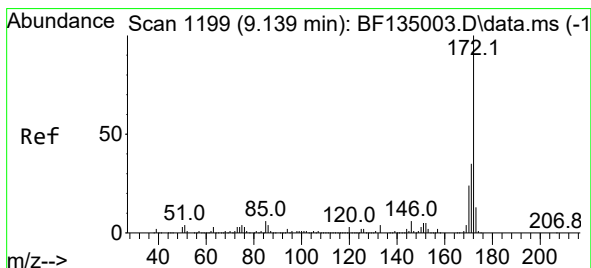
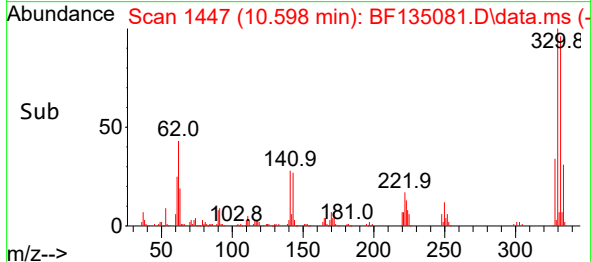
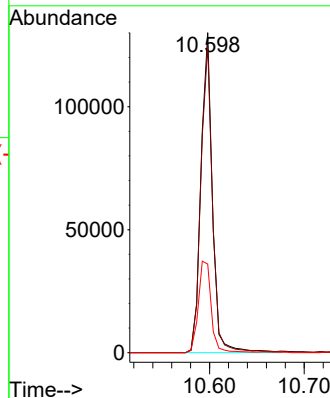
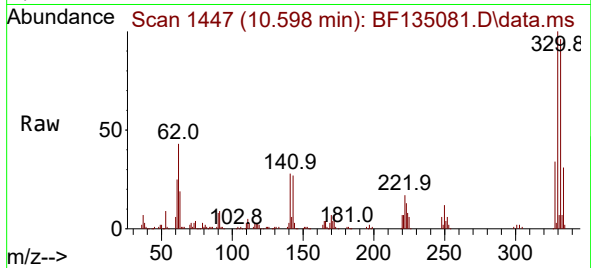
Tgt Ion:330 Resp: 110216

Ion Ratio Lower Upper

330 100

332 97.2 77.6 116.4

141 32.2 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 53.056 ng

RT: 9.128 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF135081.D

Acq: 01 Sep 2023 17:42

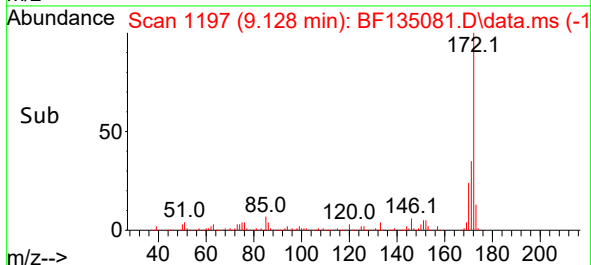
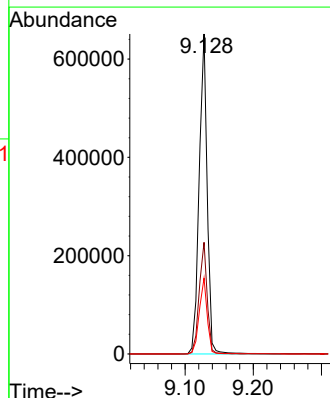
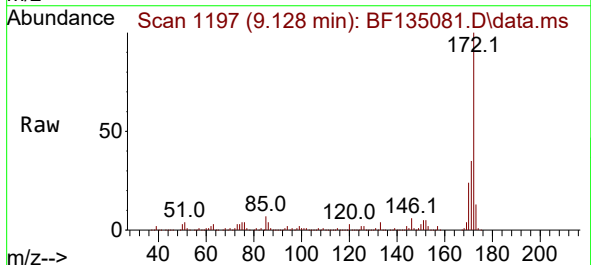
Tgt Ion:172 Resp: 530980

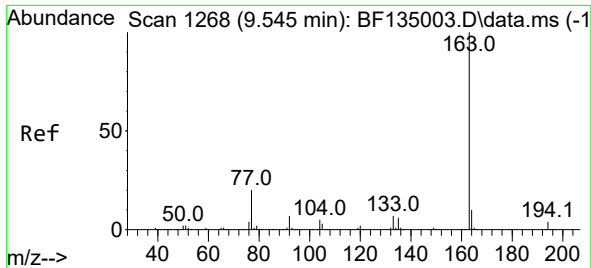
Ion Ratio Lower Upper

172 100

171 34.9 28.2 42.2

170 23.7 19.0 28.4

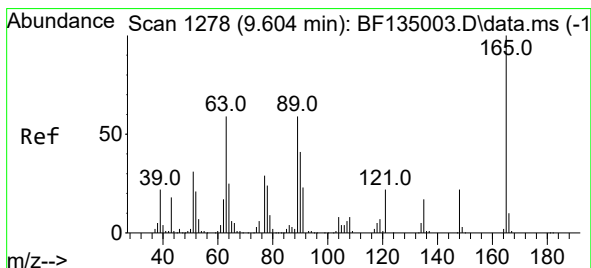
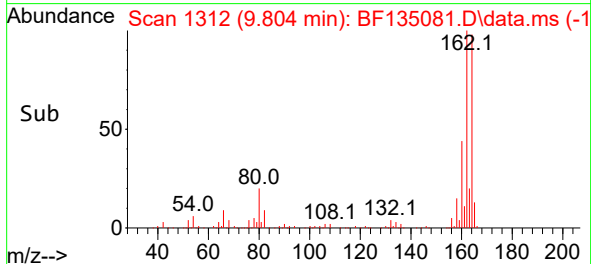
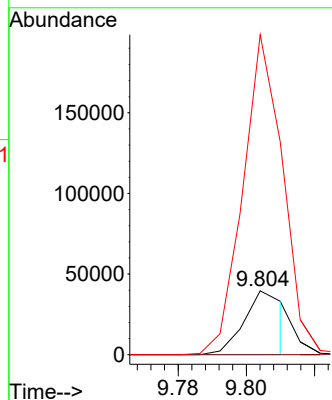
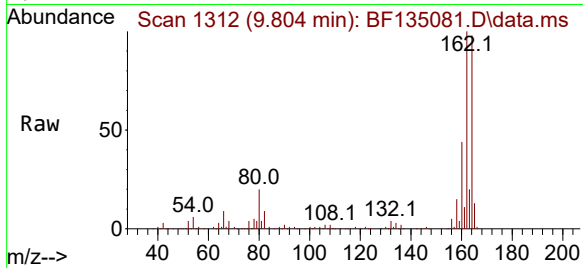




#50
Dimethylphthalate
Concen: 2.813 ng
RT: 9.804 min Scan# 1312
Delta R.T. 0.259 min
Lab File: BF135081.D
Acq: 01 Sep 2023 17:42

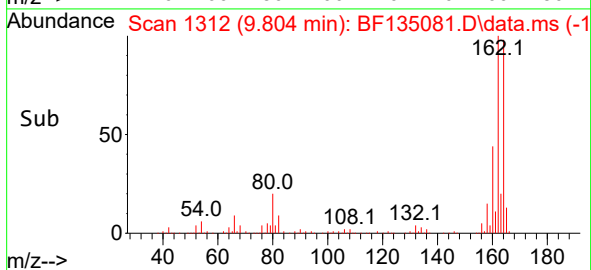
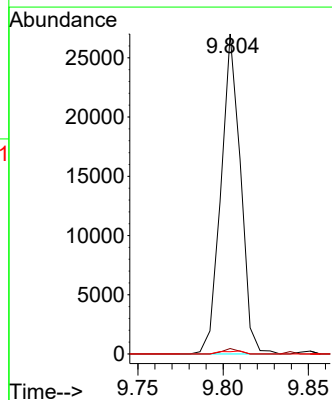
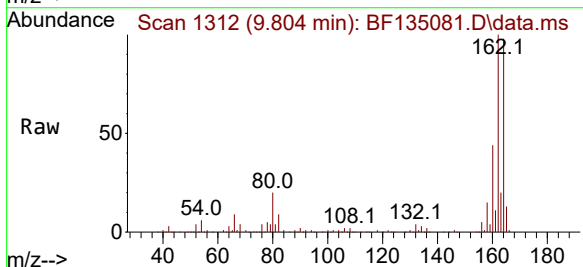
Instrument :
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SB-2(12-12.5)

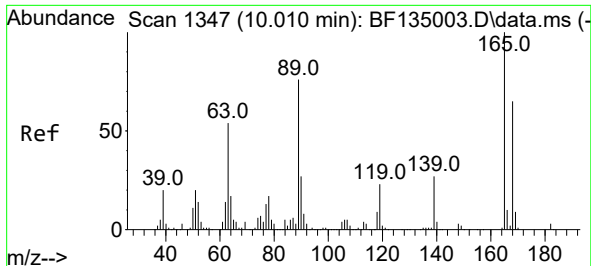
Tgt Ion:163 Resp: 32093
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 500.9 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.625 ng
RT: 9.804 min Scan# 1312
Delta R.T. 0.200 min
Lab File: BF135081.D
Acq: 01 Sep 2023 17:42

Tgt Ion:165 Resp: 21592
Ion Ratio Lower Upper
165 100
63 1.7 50.4 75.6#
89 0.7 47.1 70.7#

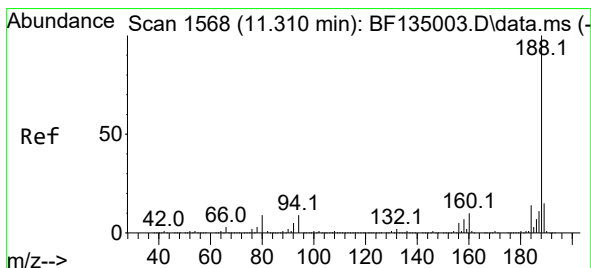
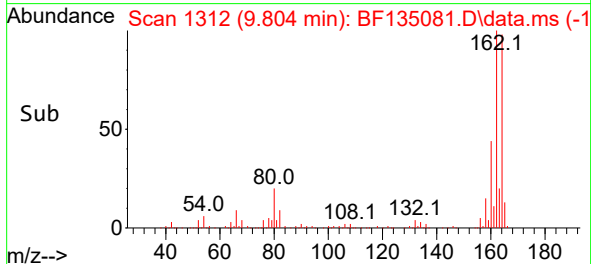
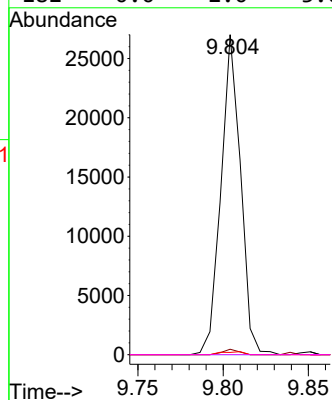
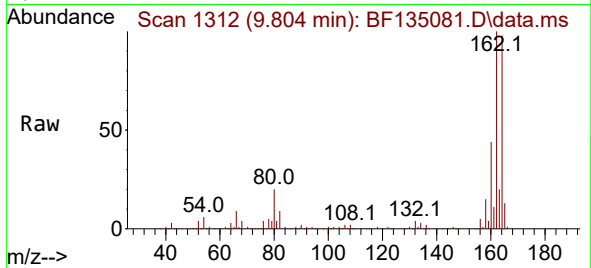




#57
2,4-Dinitrotoluene
Concen: 6.921 ng
RT: 9.804 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF135081.D
Acq: 01 Sep 2023 17:42

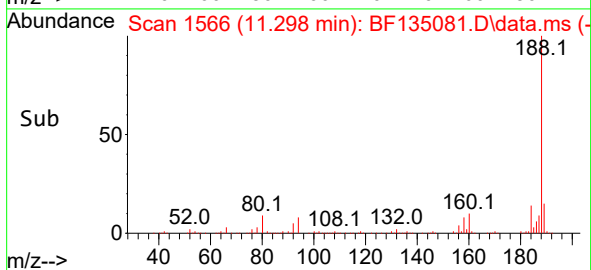
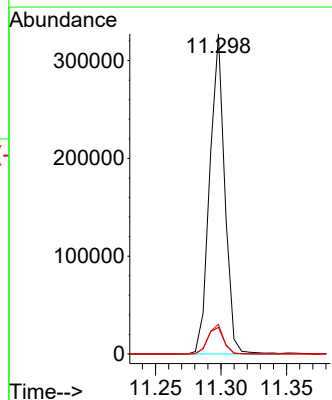
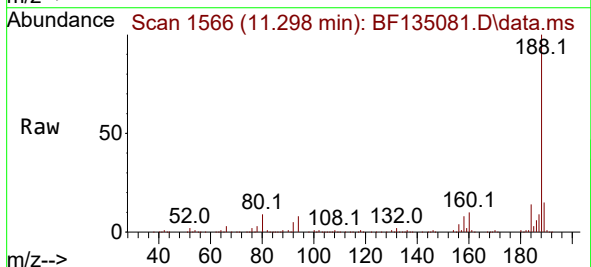
Instrument :
BNA_F
ClientSampleId :
SB-2(12-12.5)

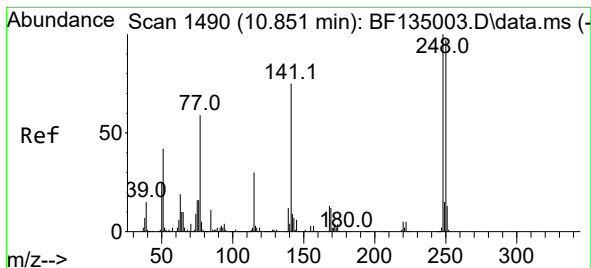
Tgt Ion:165 Resp: 21592
Ion Ratio Lower Upper
165 100
63 1.7 43.2 64.8#
89 0.7 60.8 91.2#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF135081.D
Acq: 01 Sep 2023 17:42

Tgt Ion:188 Resp: 260861
Ion Ratio Lower Upper
188 100
94 8.3 7.0 10.4
80 9.3 7.4 11.2

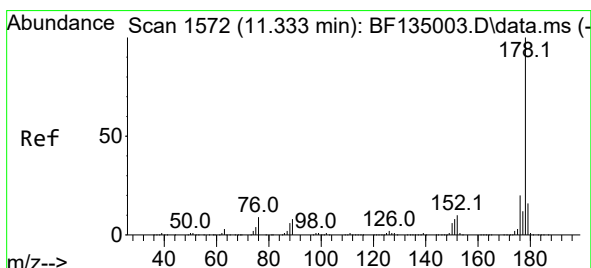
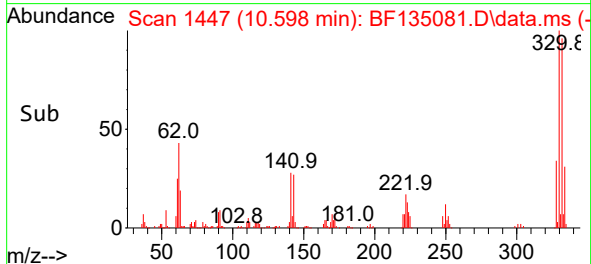
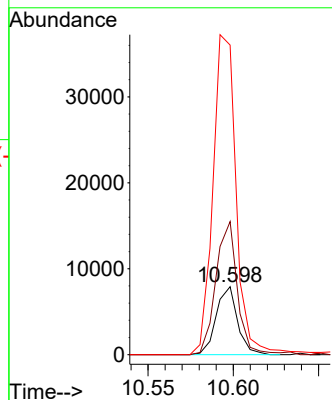
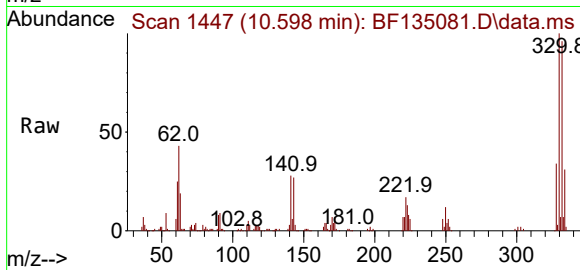




#67
4-Bromophenyl-phenylether
Concen: 2.495 ng
RT: 10.598 min Scan# 1490
Delta R.T. -0.253 min
Lab File: BF135081.D
Acq: 01 Sep 2023 17:42

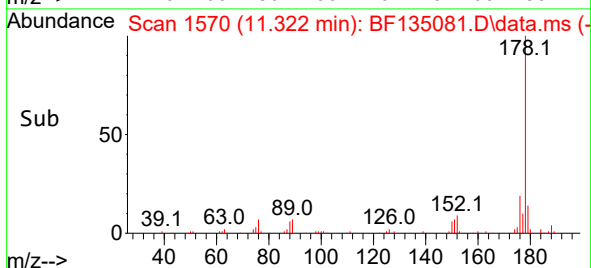
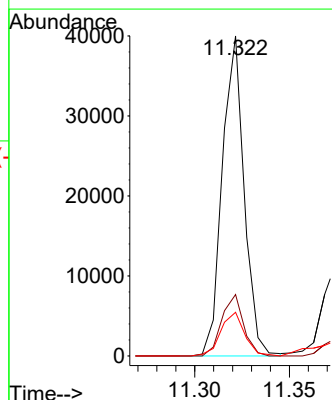
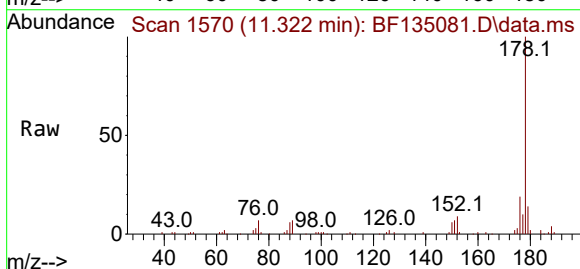
Instrument :
BNA_F
ClientSampleId :
SB-2(12-12.5)

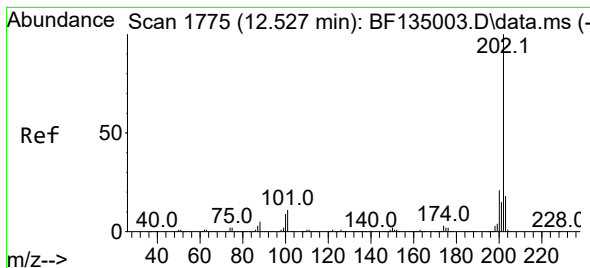
Tgt Ion:248 Resp: 6903
Ion Ratio Lower Upper
248 100
250 195.8 77.9 116.9#
141 455.3 59.8 89.8#



#71
Phenanthrene
Concen: 2.389 ng
RT: 11.322 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF135081.D
Acq: 01 Sep 2023 17:42

Tgt Ion:178 Resp: 32151
Ion Ratio Lower Upper
178 100
176 19.2 15.9 23.9
179 13.7 12.5 18.7





#75

Fluoranthene

Concen: 3.161 ng

RT: 12.516 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF135081.D

Acq: 01 Sep 2023 17:42

Instrument :

BNA_F

ClientSampleId :

SB-2(12-12.5)

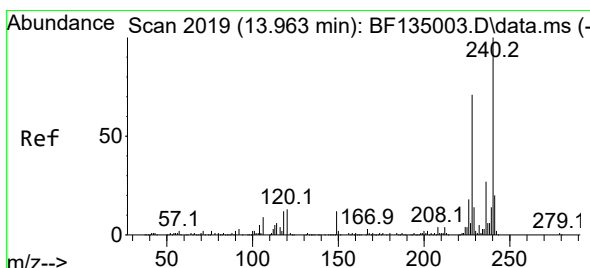
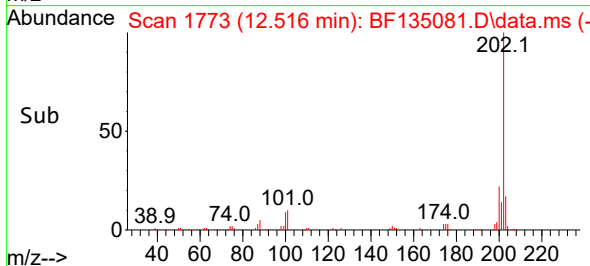
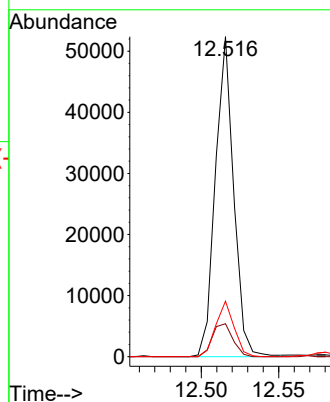
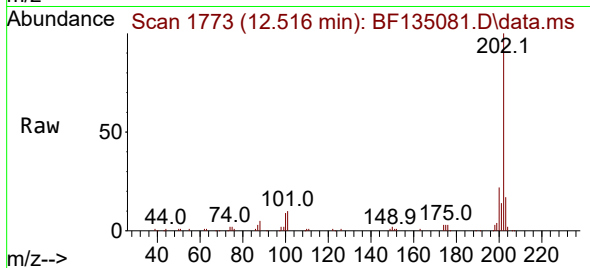
Tgt Ion:202 Resp: 43010

Ion Ratio Lower Upper

202 100

101 10.3 0.0 31.5

203 17.3 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.951 min Scan# 2017

Delta R.T. -0.012 min

Lab File: BF135081.D

Acq: 01 Sep 2023 17:42

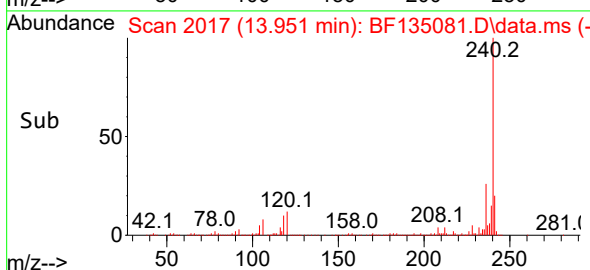
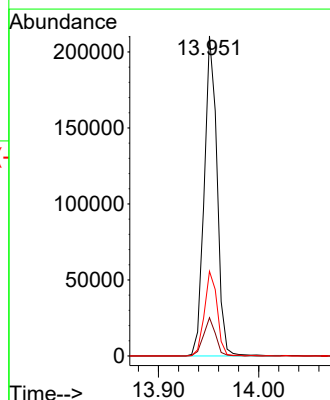
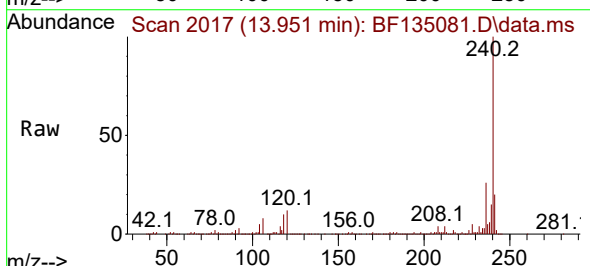
Tgt Ion:240 Resp: 187912

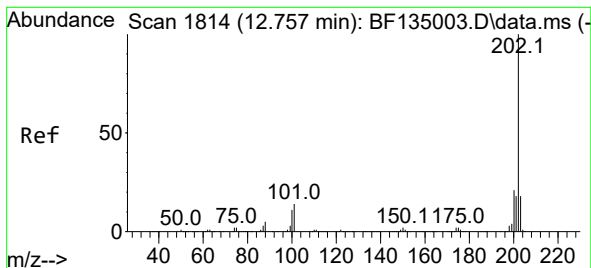
Ion Ratio Lower Upper

240 100

120 11.9 10.2 15.2

236 26.5 21.3 31.9





#78

Pyrene

Concen: 2.304 ng

RT: 12.745 min Scan# 1812

Delta R.T. -0.012 min

Lab File: BF135081.D

Acq: 01 Sep 2023 17:42

Instrument :

BNA_F

ClientSampleId :

SB-2(12-12.5)

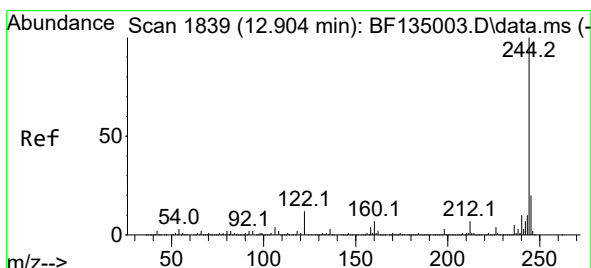
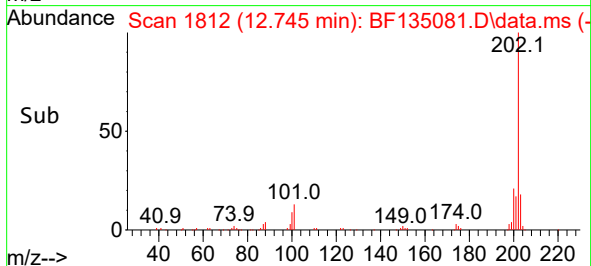
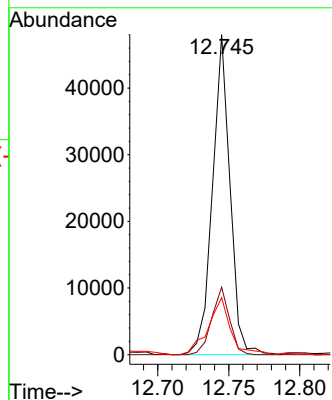
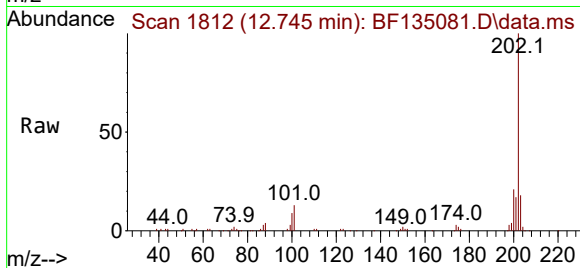
Tgt Ion:202 Resp: 41112

Ion Ratio Lower Upper

202 100

200 21.1 17.0 25.6

203 17.8 14.2 21.2



#79

Terphenyl-d14

Concen: 35.387 ng

RT: 12.892 min Scan# 1837

Delta R.T. -0.012 min

Lab File: BF135081.D

Acq: 01 Sep 2023 17:42

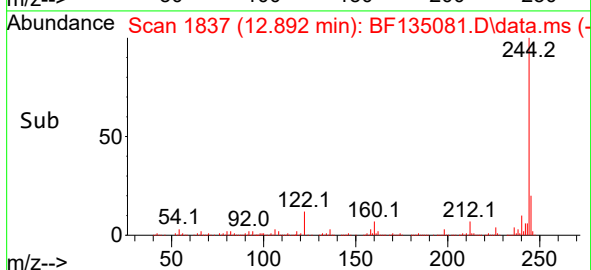
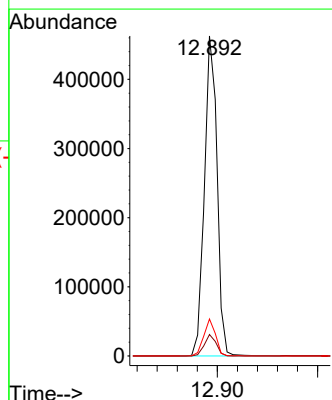
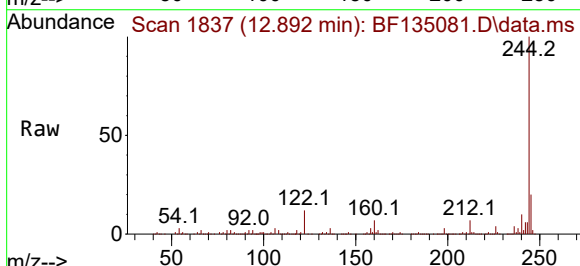
Tgt Ion:244 Resp: 407479

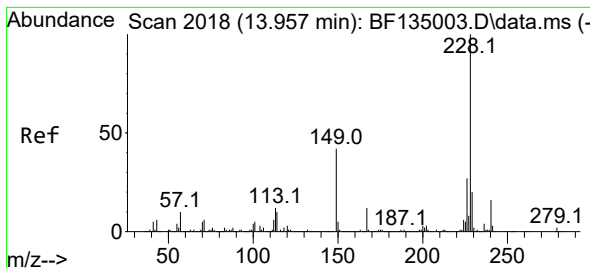
Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

122 11.5 9.8 14.6





#81

Benzo(a)anthracene

Concen: 2.454 ng

RT: 13.939 min Scan# 2015

Delta R.T. -0.018 min

Lab File: BF135081.D

Acq: 01 Sep 2023 17:42

Instrument :

BNA_F

ClientSampleId :

SB-2(12-12.5)

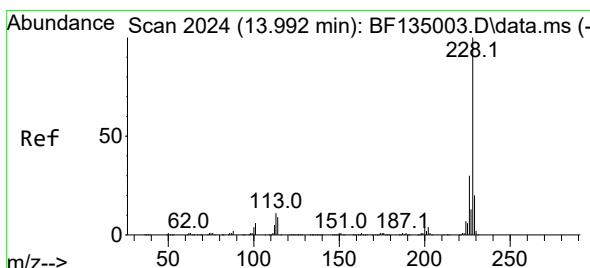
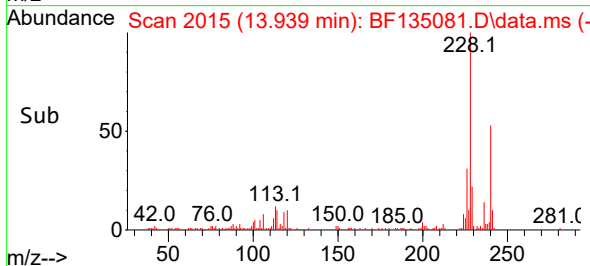
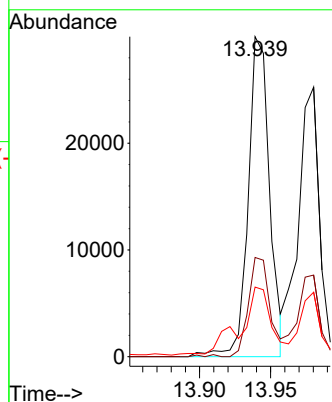
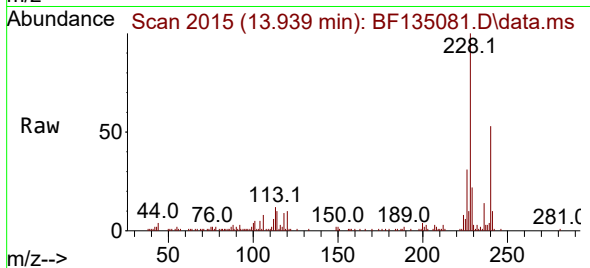
Tgt Ion:228 Resp: 31453

Ion Ratio Lower Upper

228 100

226 31.0 21.6 32.4

229 21.7 15.6 23.4



#83

Chrysene

Concen: 2.497 ng

RT: 13.939 min Scan# 2015

Delta R.T. -0.053 min

Lab File: BF135081.D

Acq: 01 Sep 2023 17:42

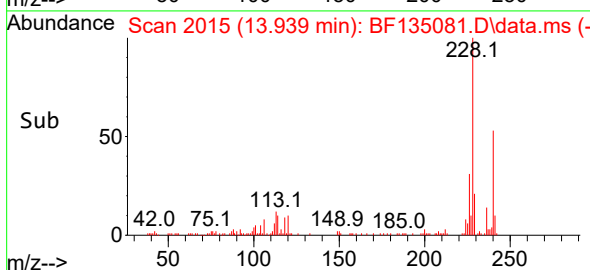
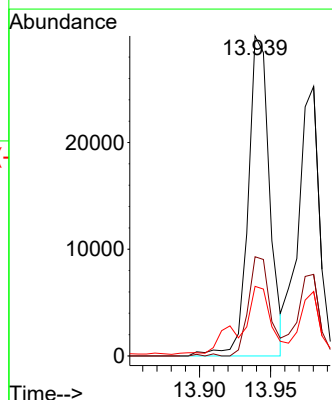
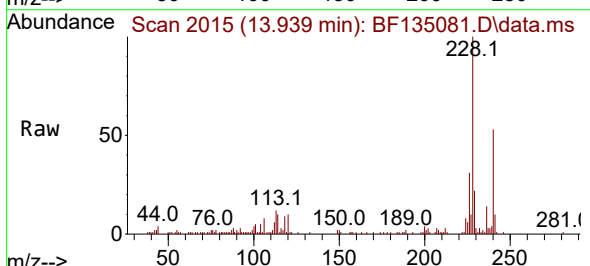
Tgt Ion:228 Resp: 31453

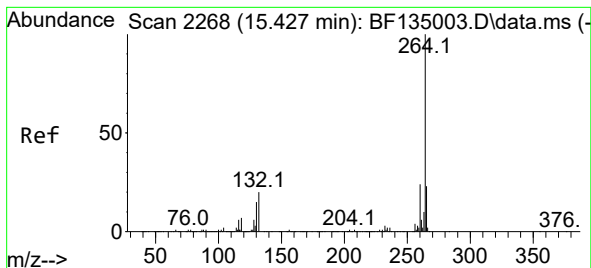
Ion Ratio Lower Upper

228 100

226 31.0 24.2 36.4

229 21.7 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 211003

Delta R.T. -0.006 min

Lab File: BF135081.D

Acq: 01 Sep 2023 17:42

Instrument :

BNA_F

ClientSampleId :

SB-2(12-12.5)

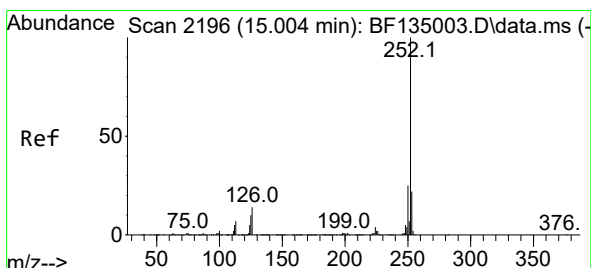
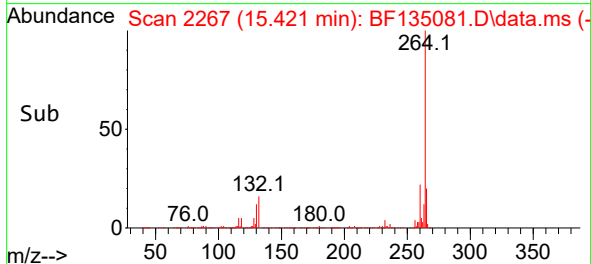
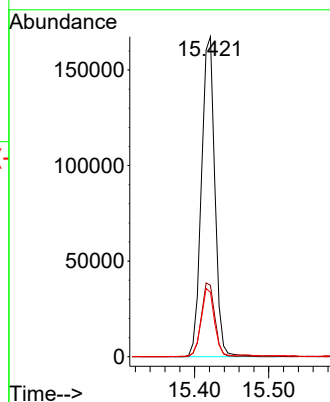
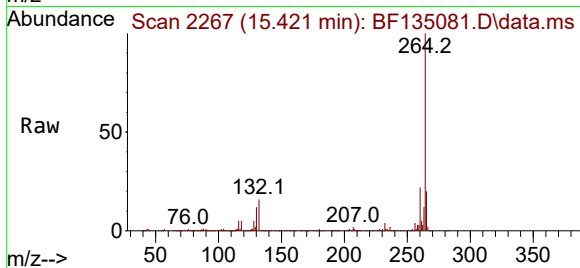
Tgt Ion:264 Resp: 211003

Ion Ratio Lower Upper

264 100

260 22.3 19.0 28.6

265 20.2 18.2 27.2



#88

Benzo(b)fluoranthene

Concen: 3.946 ng

RT: 14.992 min Scan# 2194

Delta R.T. -0.012 min

Lab File: BF135081.D

Acq: 01 Sep 2023 17:42

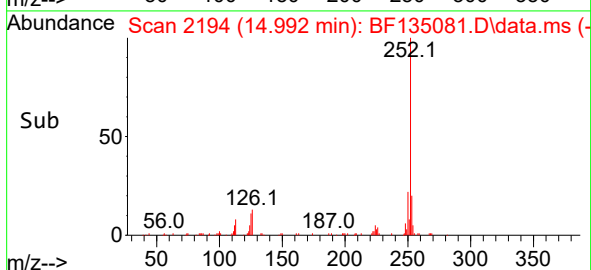
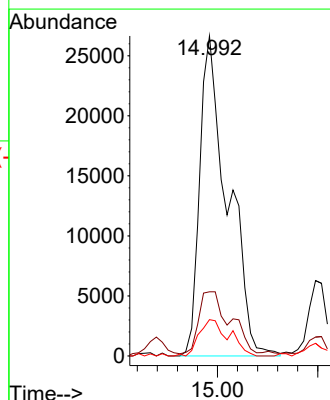
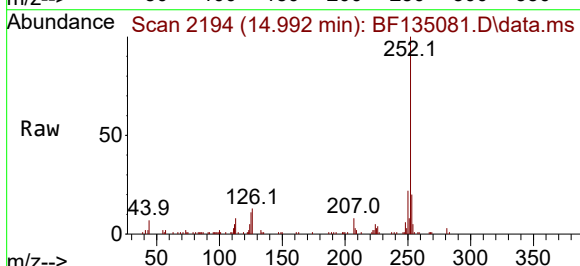
Tgt Ion:252 Resp: 51806

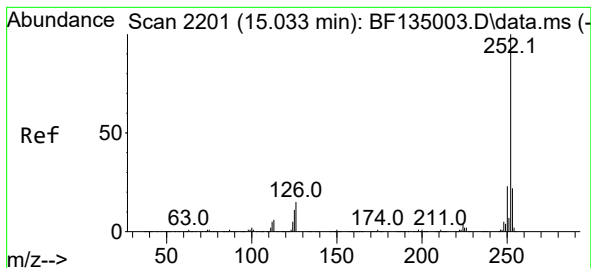
Ion Ratio Lower Upper

252 100

253 20.1 17.8 26.8

125 11.4 8.4 12.6





#89

Benzo(k)fluoranthene

Concen: 4.084 ng

RT: 14.992 min Scan# 2194

Delta R.T. -0.041 min

Lab File: BF135081.D

Acq: 01 Sep 2023 17:42

Instrument :

BNA_F

ClientSampleId :

SB-2(12-12.5)

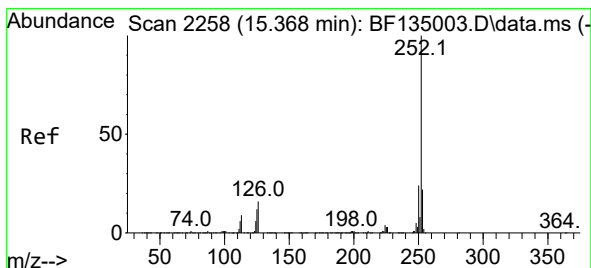
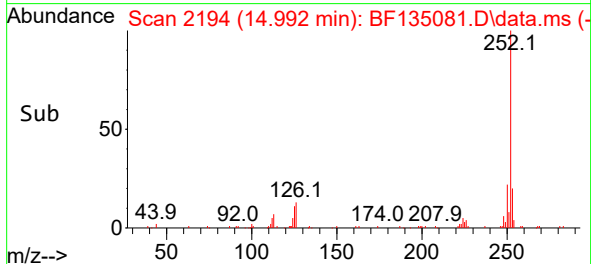
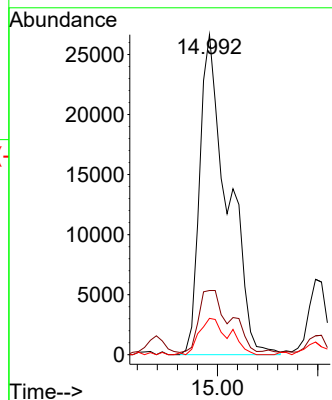
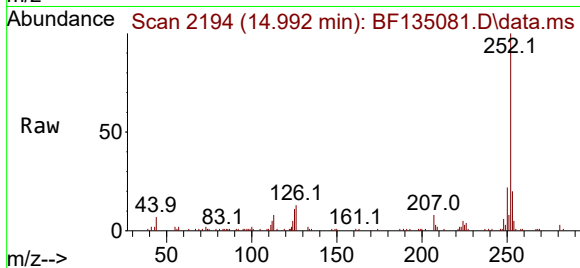
Tgt Ion:252 Resp: 51806

Ion Ratio Lower Upper

252 100

253 20.1 17.4 26.0

125 11.4 8.5 12.7



#90

Benzo(a)pyrene

Concen: 2.461 ng

RT: 15.357 min Scan# 2256

Delta R.T. -0.012 min

Lab File: BF135081.D

Acq: 01 Sep 2023 17:42

Tgt Ion:252 Resp: 30021

Ion Ratio Lower Upper

252 100

253 25.1 17.4 26.0

125 10.0 9.5 14.3

