

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081423\
 Data File : BF134753.D
 Acq On : 14 Aug 2023 11:35
 Operator : CG\JU
 Sample : 03958-02DL2 250X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB02-Z93-94DL2

Quant Time: Aug 14 11:55:02 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)

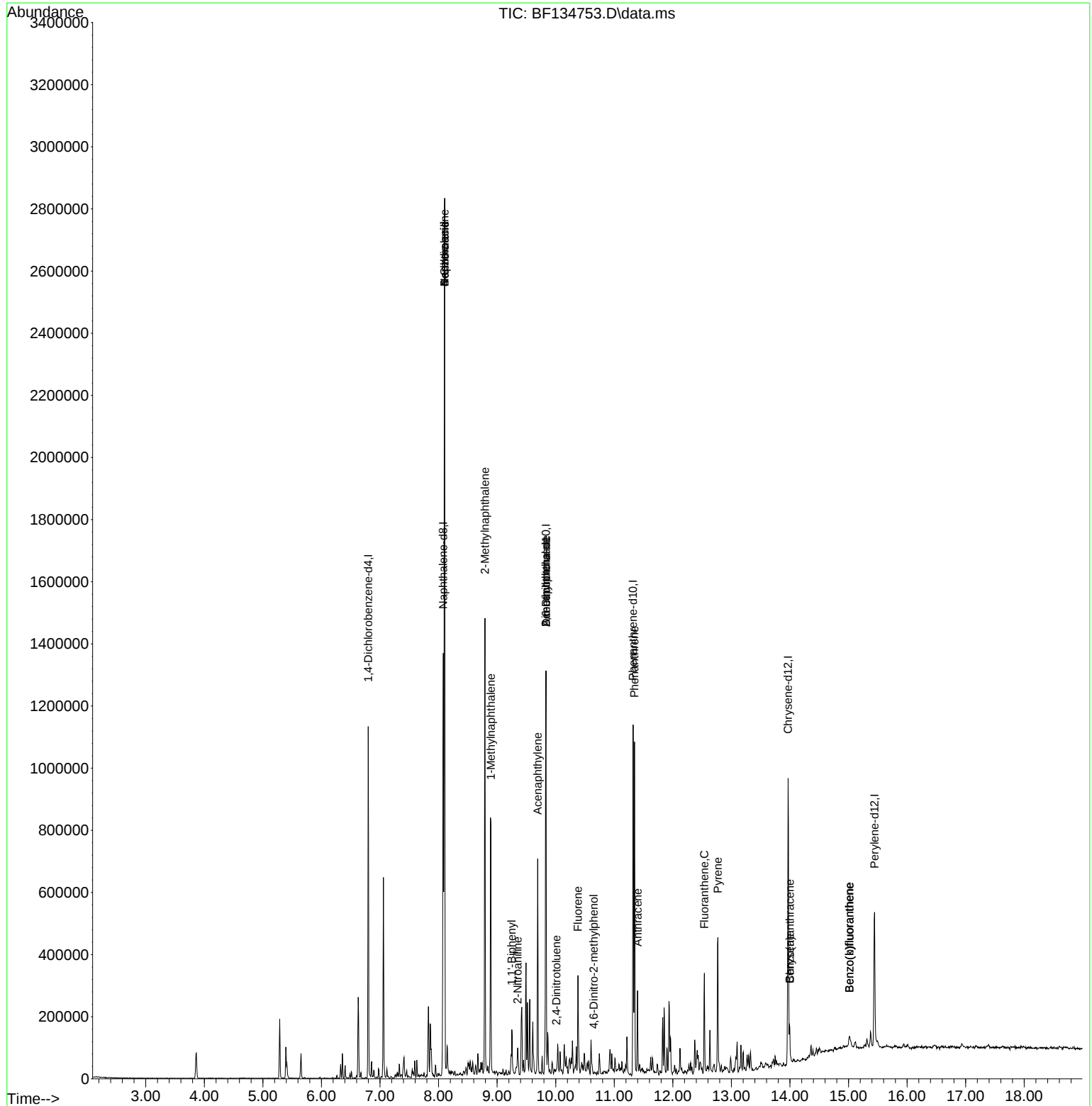
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	154375	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	572345	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	248531	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	404942	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	300809	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	227289	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	1448	0.143	ng	0.00
7) Phenol-d6	6.428	99	1138	0.088	ng	-0.01
23) Nitrobenzene-d5	7.357	82	1119	0.122	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	310	0.122	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	3557	0.238	ng	-0.01
79) Terphenyl-d14	12.916	244	3517	0.206	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.357	77	2900	Below Cal	#	1
31) Naphthalene	8.104	128	1271797	44.213	ng	99
32) Benzoic acid	8.104	122	3073	8.309	ng	# 1
33) 4-Chloroaniline	8.104	127	168000	13.108	ng	# 33
37) 2-Methylnaphthalene	8.792	142	367523	19.276	ng	98
38) 1-Methylnaphthalene	8.892	142	228713	12.900	ng	97
46) 1,1'-Biphenyl	9.251	154	46111	2.386	ng	95
48) 2-Nitroaniline	9.351	65	682	3.307	ng	# 30
49) Acenaphthylene	9.692	152	226278	9.941	ng	98
50) Dimethylphthalate	9.833	163	52107	3.076	ng	# 1
51) 2,6-Dinitrotoluene	9.833	165	36740	12.531	ng	# 17
57) 2,4-Dinitrotoluene	10.010	165	1225	3.126	ng	# 45
58) Fluorene	10.380	166	84370	5.516	ng	96
65) 4,6-Dinitro-2-methylph...	10.651	198	279	8.838	ng	# 36
71) Phenanthrene	11.345	178	347213	16.143	ng	100
72) Anthracene	11.398	178	93116	4.238	ng	99
75) Fluoranthene	12.539	202	120474	5.303	ng	96
78) Pyrene	12.769	202	186288	7.157	ng	99
81) Benzo(a)anthracene	13.998	228	48533	2.256	ng	98
83) Chrysene	13.998	228	48533	2.316	ng	96
88) Benzo(b)fluoranthene	15.015	252	28655	2.067	ng	# 93
89) Benzo(k)fluoranthene	15.015	252	28655	2.075	ng	# 92

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

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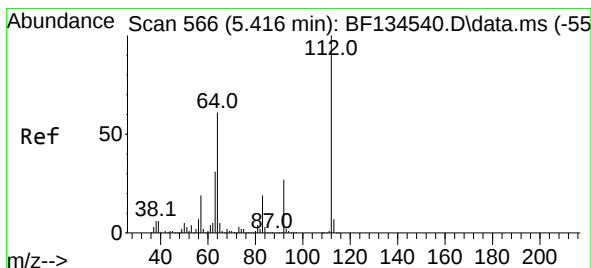
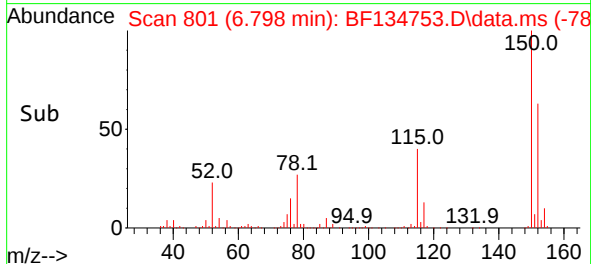
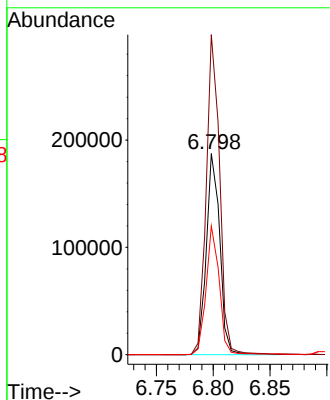
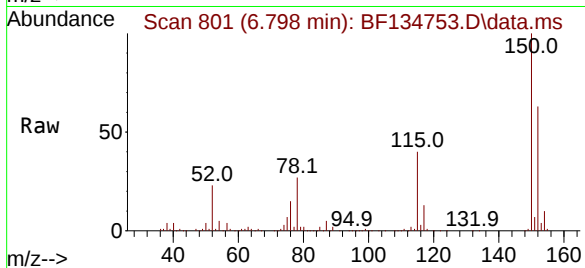




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134753.D
Acq: 14 Aug 2023 11:35

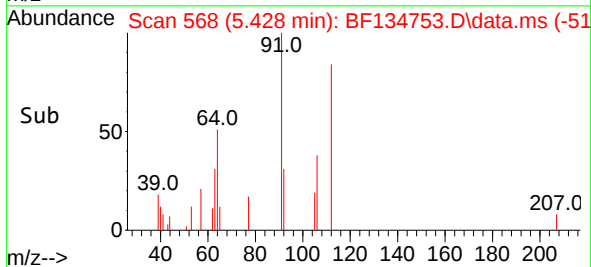
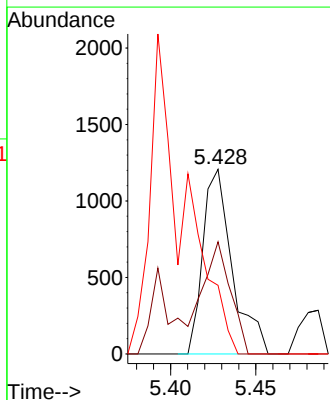
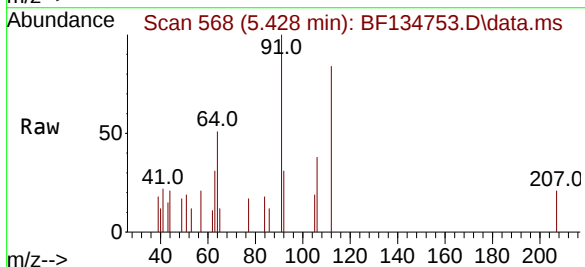
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z93-94DL2

Tgt Ion:152 Resp: 154375
Ion Ratio Lower Upper
152 100
150 159.0 128.3 192.5
115 64.0 52.4 78.6



#5
2-Fluorophenol
Concen: 0.143 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF134753.D
Acq: 14 Aug 2023 11:35

Tgt Ion:112 Resp: 1448
Ion Ratio Lower Upper
112 100
64 60.7 44.9 67.3
63 37.2 25.4 38.0





#7

Phenol-d6

Concen: 0.088 ng

RT: 6.428 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF134753.D

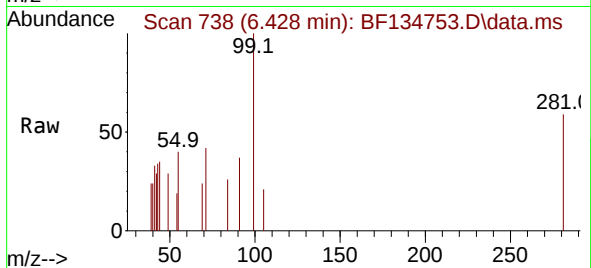
Acq: 14 Aug 2023 11:35

Instrument :

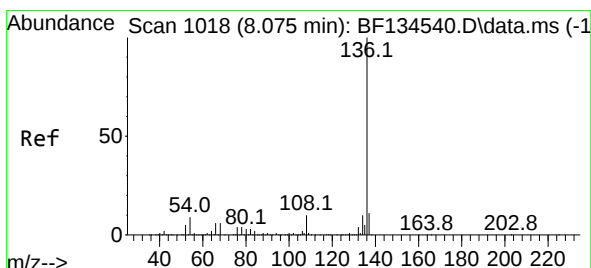
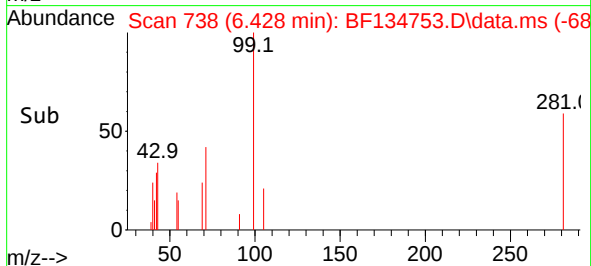
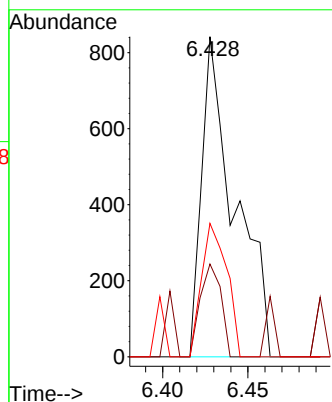
BNA_F

ClientSampleId :

NEVINS-SB02-Z93-94DL2



Tgt Ion:	99	Resp:	1138
Ion	Ratio	Lower	Upper
99	100		
42	29.0	18.7	28.1#
71	41.7	36.4	54.6



#21

Naphthalene-d8

Concen: 20.000 ng

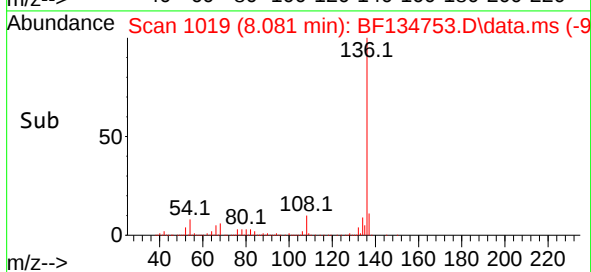
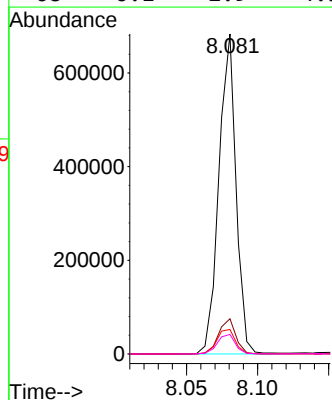
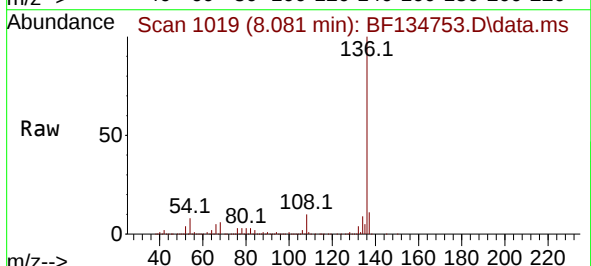
RT: 8.081 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF134753.D

Acq: 14 Aug 2023 11:35

Tgt Ion:	136	Resp:	572345
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	7.7	5.2	7.8
68	6.1	2.9	4.3#





#23

Nitrobenzene-d5

Concen: 0.122 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF134753.D

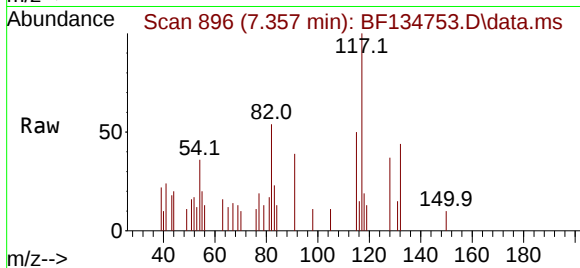
Acq: 14 Aug 2023 11:35

Instrument :

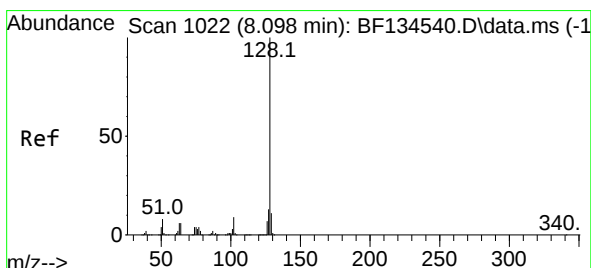
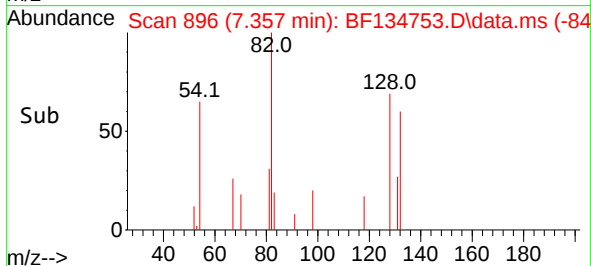
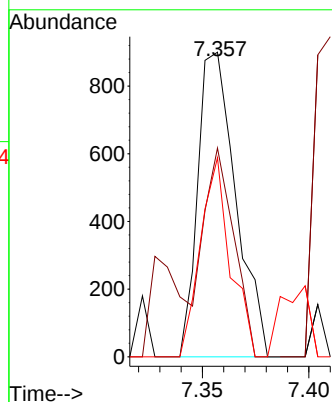
BNA_F

ClientSampleId :

NEVINS-SB02-Z93-94DL2



Tgt Ion:	82	Resp:	1119
Ion Ratio	Lower	Upper	
82	100		
128	68.6	34.3	51.5#
54	65.3	43.8	65.6



#31

Naphthalene

Concen: 44.213 ng

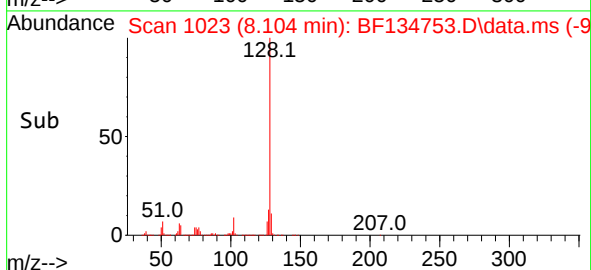
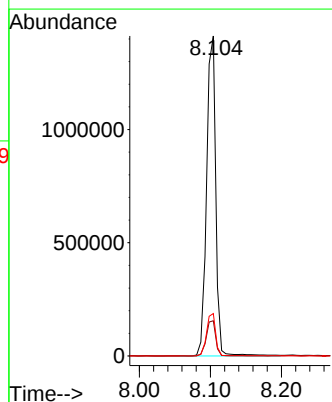
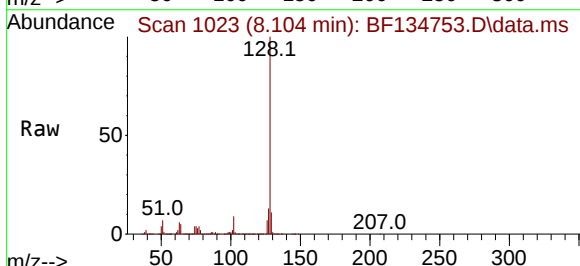
RT: 8.104 min Scan# 1023

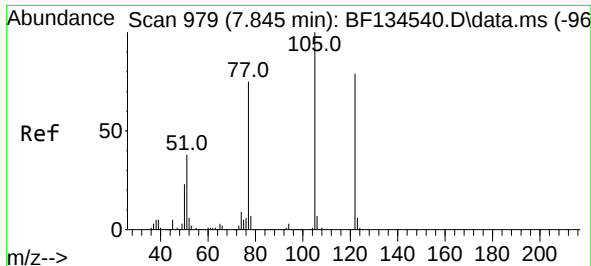
Delta R.T. 0.000 min

Lab File: BF134753.D

Acq: 14 Aug 2023 11:35

Tgt Ion:	128	Resp:	1271797
Ion Ratio	Lower	Upper	
128	100		
129	11.0	8.4	12.6
127	13.3	10.7	16.1

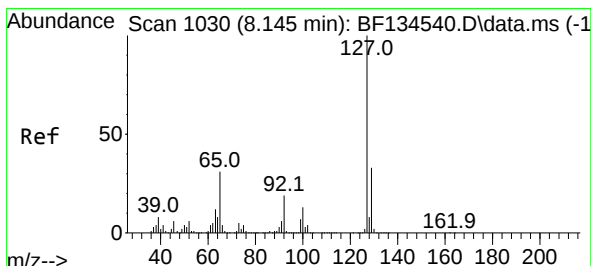
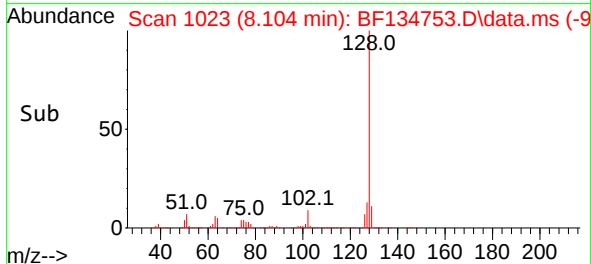
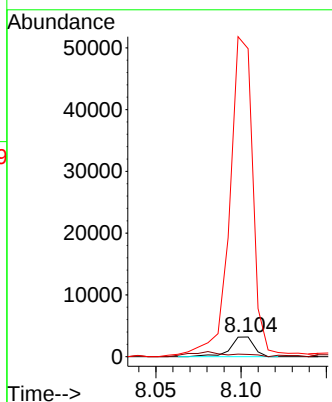
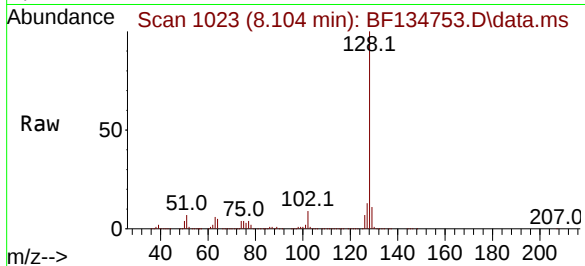




#32
Benzoic acid
Concen: 8.309 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.241 min
Lab File: BF134753.D
Acq: 14 Aug 2023 11:35

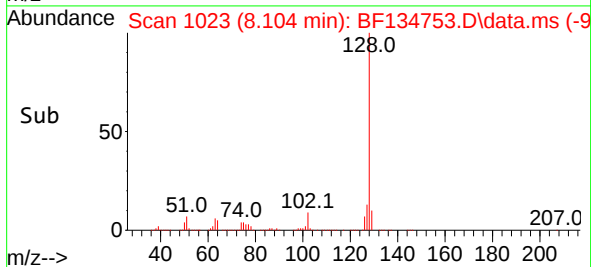
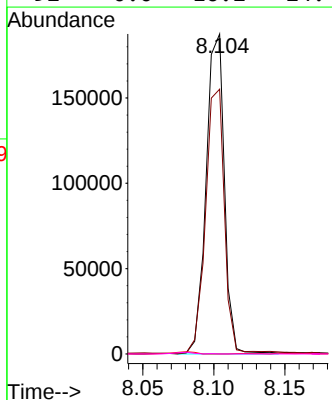
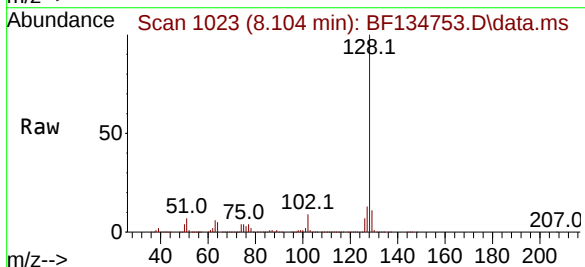
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z93-94DL2

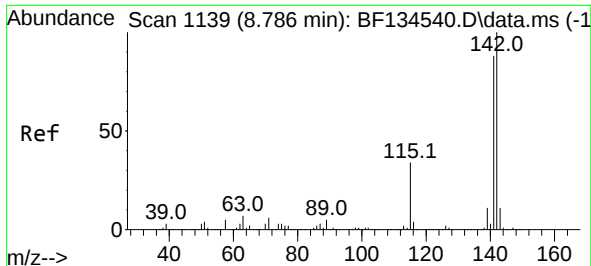
Tgt Ion:122 Resp: 3073
Ion Ratio Lower Upper
122 100
105 11.5 87.5 127.5#
77 1567.8 71.4 111.4#



#33
4-Chloroaniline
Concen: 13.108 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.047 min
Lab File: BF134753.D
Acq: 14 Aug 2023 11:35

Tgt Ion:127 Resp: 168000
Ion Ratio Lower Upper
127 100
129 82.8 25.6 38.4#
65 0.0 25.4 38.0#
92 0.0 16.2 24.4#





#37

2-Methylnaphthalene

Concen: 19.276 ng

RT: 8.792 min Scan# 1139

Delta R.T. 0.000 min

Lab File: BF134753.D

Acq: 14 Aug 2023 11:35

Instrument :

BNA_F

ClientSampleId :

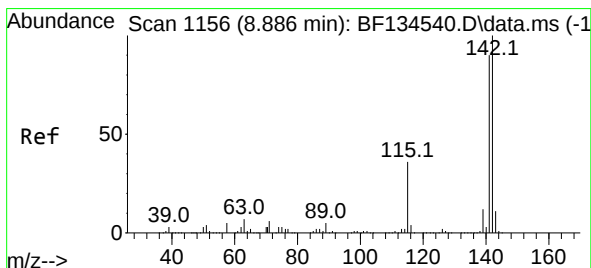
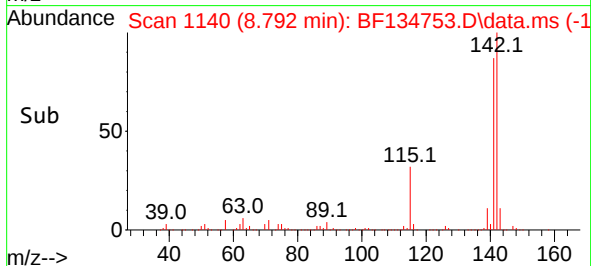
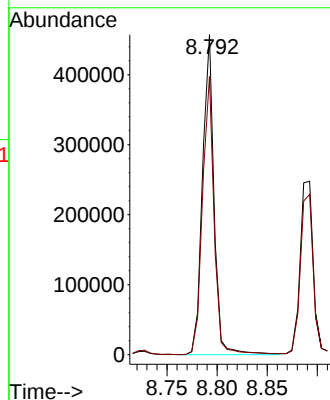
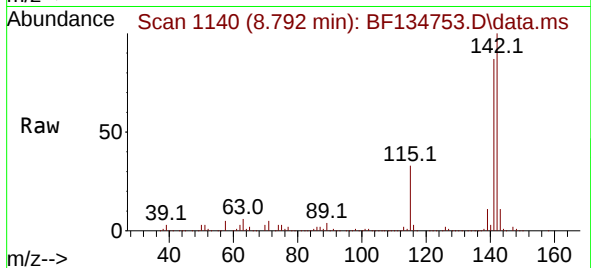
NEVINS-SB02-Z93-94DL2

Tgt Ion:142 Resp: 367523

Ion Ratio Lower Upper

142 100

141 86.9 70.8 106.2



#38

1-Methylnaphthalene

Concen: 12.900 ng

RT: 8.892 min Scan# 1157

Delta R.T. 0.000 min

Lab File: BF134753.D

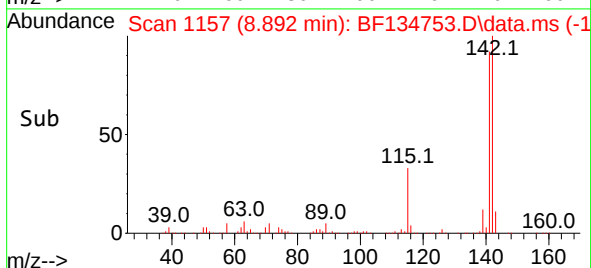
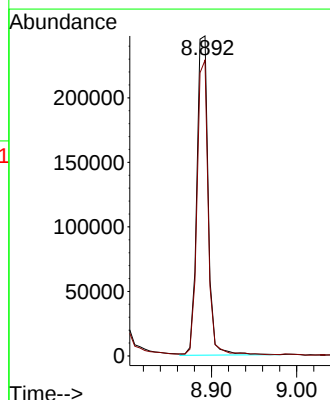
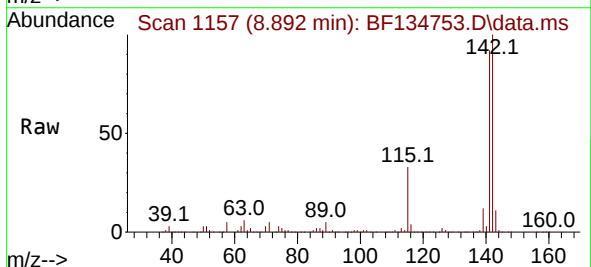
Acq: 14 Aug 2023 11:35

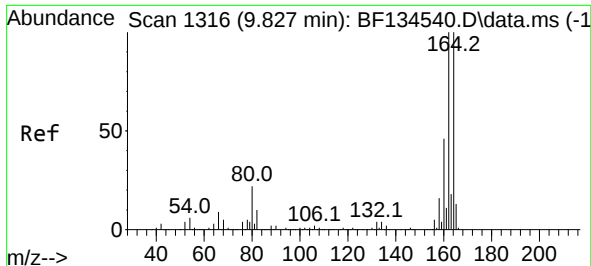
Tgt Ion:142 Resp: 228713

Ion Ratio Lower Upper

142 100

141 92.4 71.4 107.2

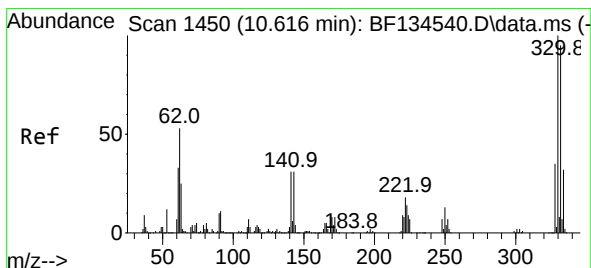
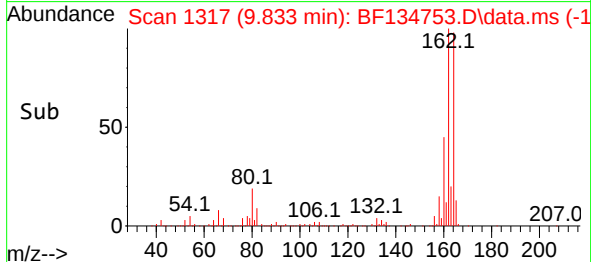
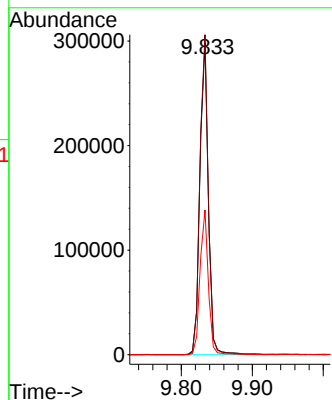
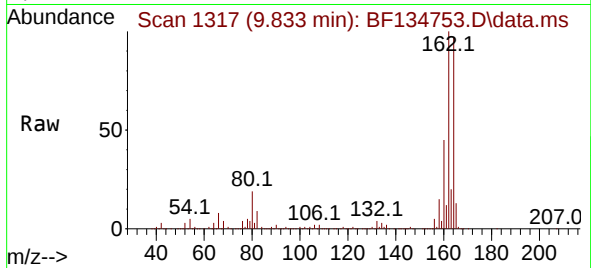




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134753.D
Acq: 14 Aug 2023 11:35

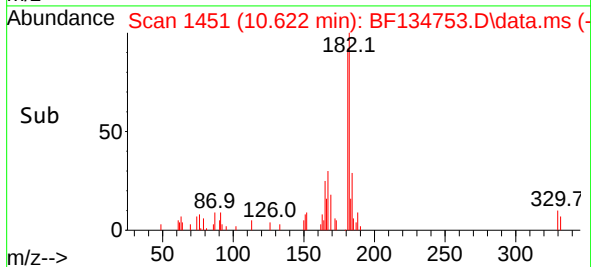
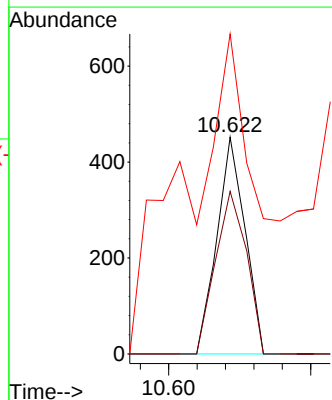
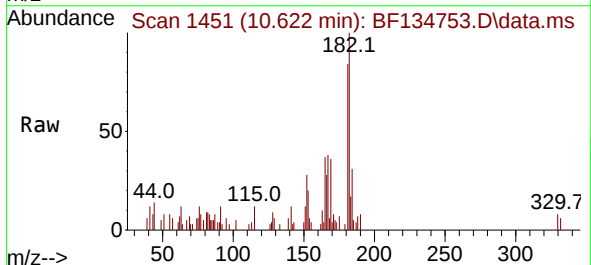
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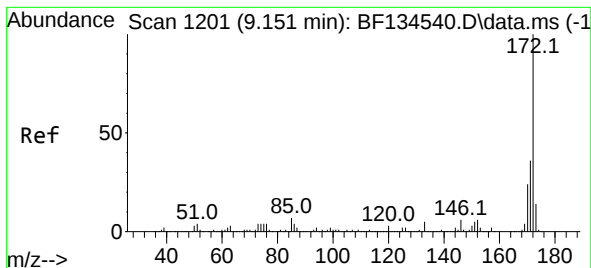
Tgt Ion:164 Resp: 248531
Ion Ratio Lower Upper
164 100
162 102.6 82.6 123.8
160 46.4 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 0.122 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134753.D
Acq: 14 Aug 2023 11:35

Tgt Ion:330 Resp: 310
Ion Ratio Lower Upper
330 100
332 82.9 78.8 118.2
141 383.2 25.4 38.2#





#45

2-Fluorobiphenyl

Concen: 0.238 ng

RT: 9.151 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF134753.D

Acq: 14 Aug 2023 11:35

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB02-Z93-94DL2

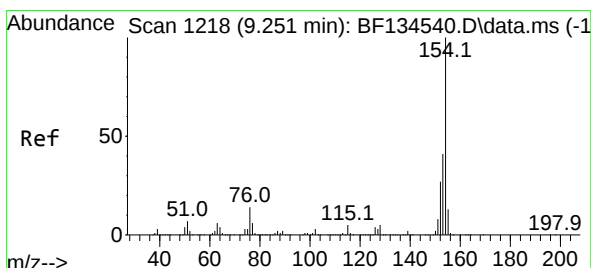
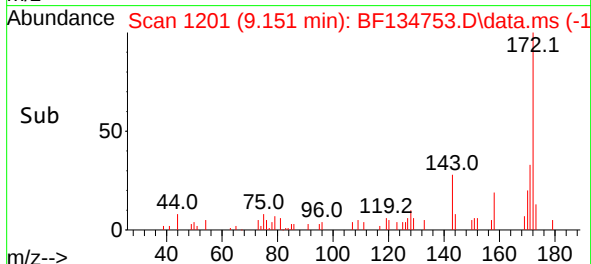
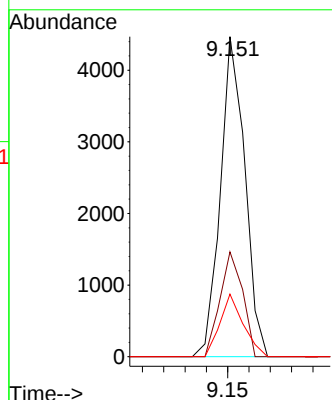
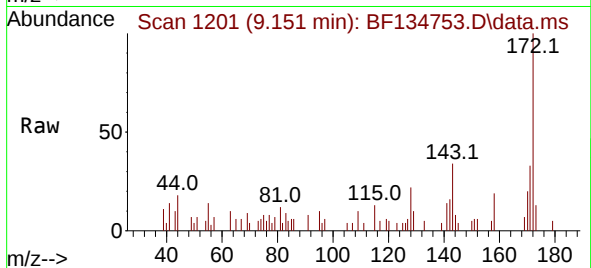
Tgt Ion:172 Resp: 3557

Ion Ratio Lower Upper

172 100

171 32.7 28.8 43.2

170 19.5 18.7 28.1



#46

1,1'-Biphenyl

Concen: 2.386 ng

RT: 9.251 min Scan# 1218

Delta R.T. -0.012 min

Lab File: BF134753.D

Acq: 14 Aug 2023 11:35

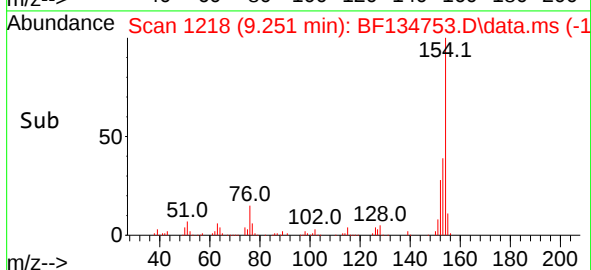
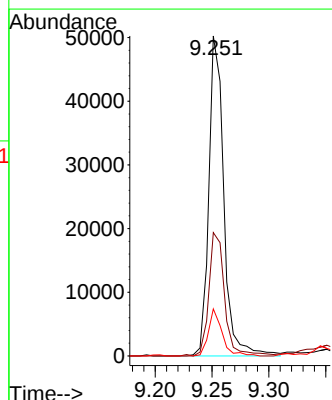
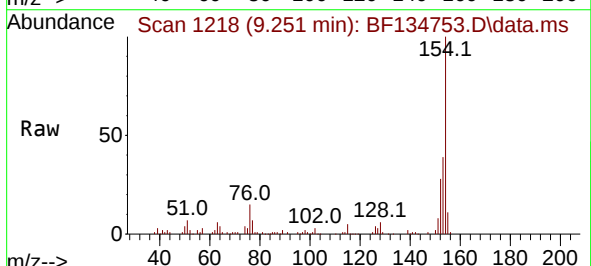
Tgt Ion:154 Resp: 46111

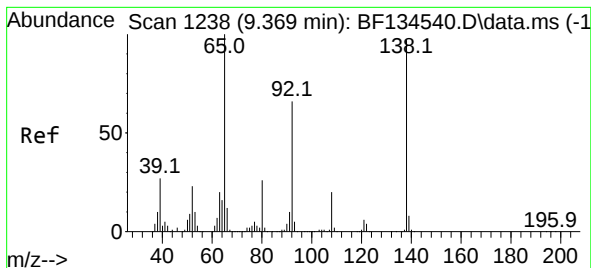
Ion Ratio Lower Upper

154 100

153 38.6 20.8 60.8

76 14.7 0.0 30.2





#48

2-Nitroaniline

Concen: 3.307 ng

RT: 9.351 min Scan# 1

Delta R.T. -0.029 min

Lab File: BF134753.D

Acq: 14 Aug 2023 11:35

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB02-Z93-94DL2

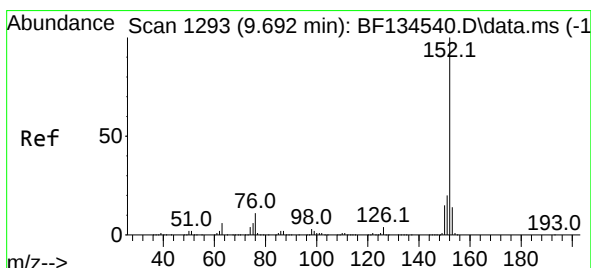
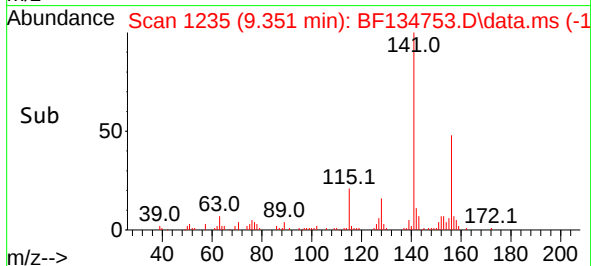
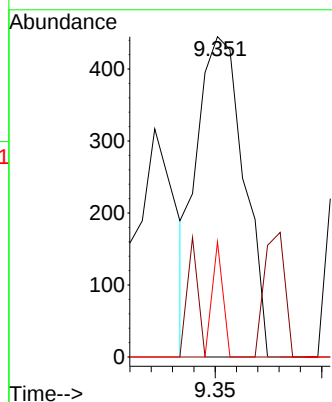
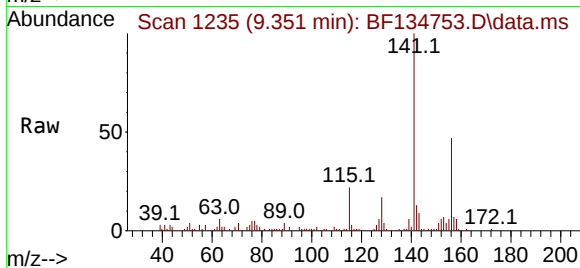
Tgt Ion: 65 Resp: 682

Ion Ratio Lower Upper

65 100

92 0.0 50.7 76.1#

138 36.0 78.2 117.4#



#49

Acenaphthylene

Concen: 9.941 ng

RT: 9.692 min Scan# 1293

Delta R.T. -0.006 min

Lab File: BF134753.D

Acq: 14 Aug 2023 11:35

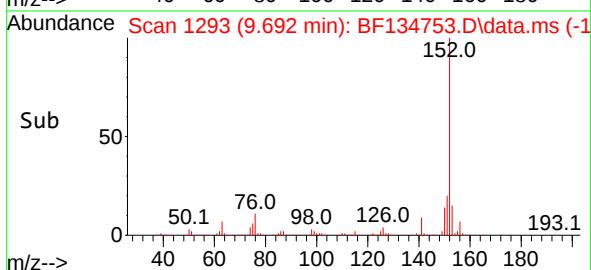
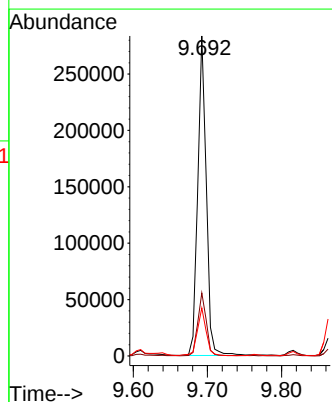
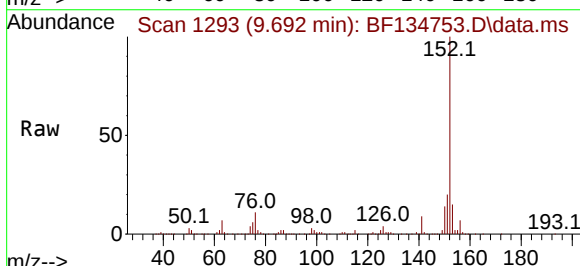
Tgt Ion: 152 Resp: 226278

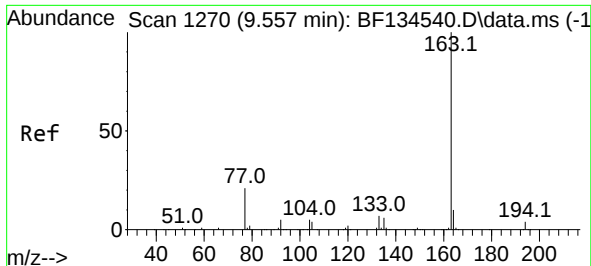
Ion Ratio Lower Upper

152 100

151 19.7 16.4 24.6

153 15.0 10.9 16.3

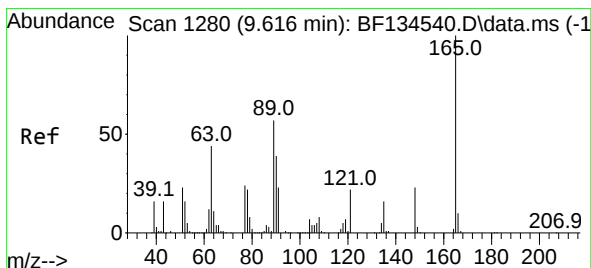
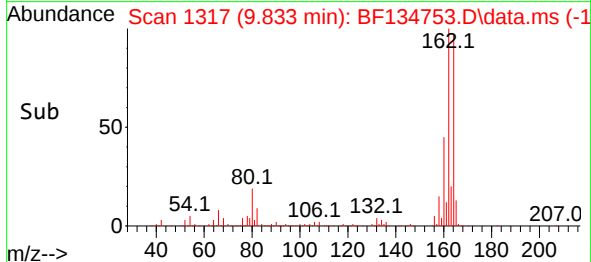
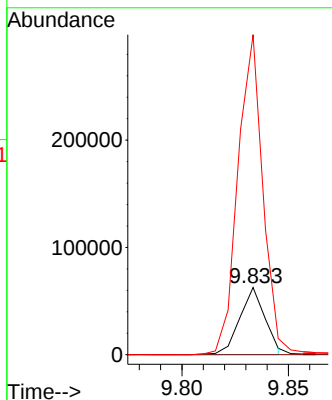
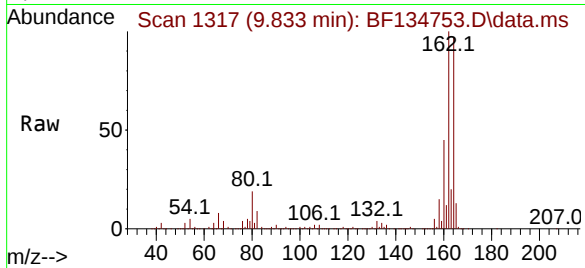




#50
Dimethylphthalate
Concen: 3.076 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.265 min
Lab File: BF134753.D
Acq: 14 Aug 2023 11:35

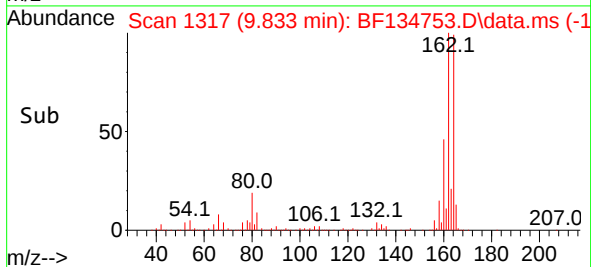
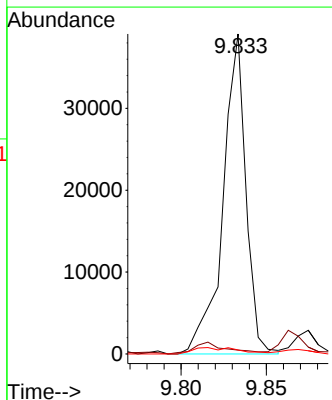
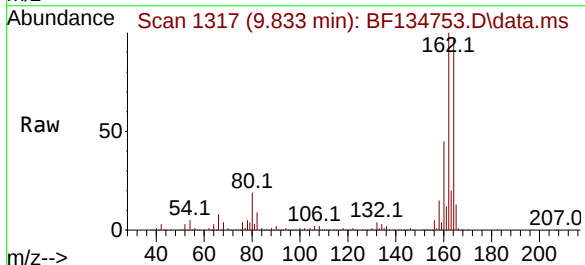
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z93-94DL2

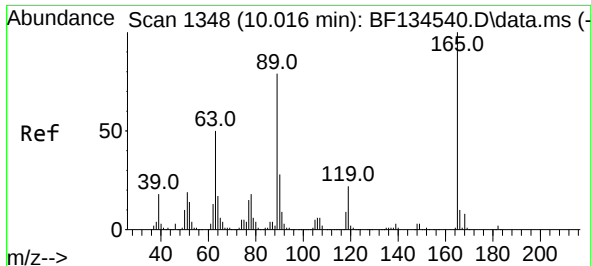
Tgt Ion:163 Resp: 52107
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 475.9 7.5 11.3#



#51
2,6-Dinitrotoluene
Concen: 12.531 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.206 min
Lab File: BF134753.D
Acq: 14 Aug 2023 11:35

Tgt Ion:165 Resp: 36740
Ion Ratio Lower Upper
165 100
63 1.2 57.8 86.6#
89 1.2 51.8 77.8#

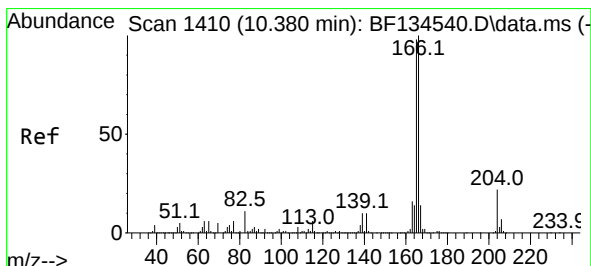
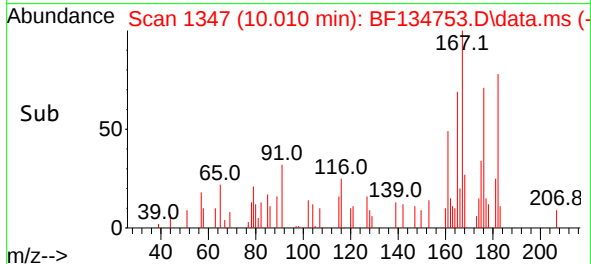
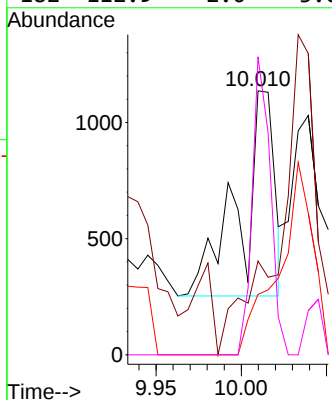
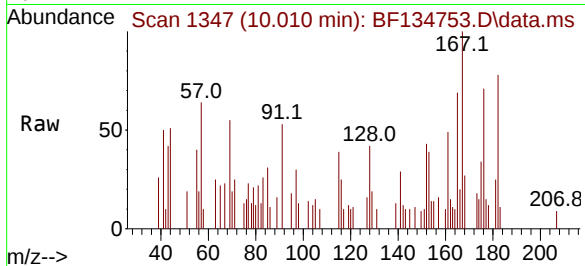




#57
2,4-Dinitrotoluene
Concen: 3.126 ng
RT: 10.010 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF134753.D
Acq: 14 Aug 2023 11:35

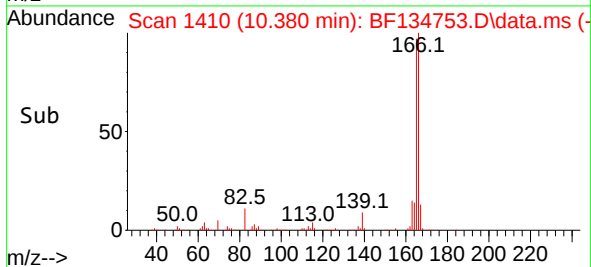
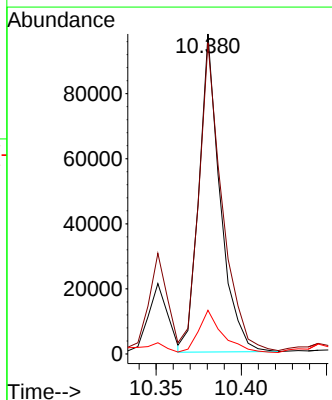
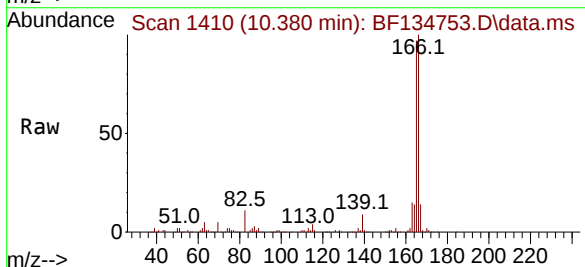
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z93-94DL2

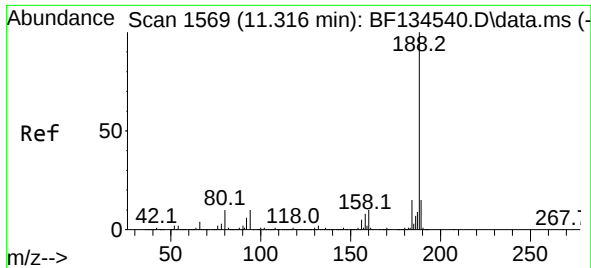
Tgt Ion:165 Resp: 1225
Ion Ratio Lower Upper
165 100
63 35.5 48.9 73.3#
89 22.9 61.7 92.5#
182 112.9 2.0 3.0#



#58
Fluorene
Concen: 5.516 ng
RT: 10.380 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF134753.D
Acq: 14 Aug 2023 11:35

Tgt Ion:166 Resp: 84370
Ion Ratio Lower Upper
166 100
165 97.2 74.5 111.7
167 13.7 10.6 16.0

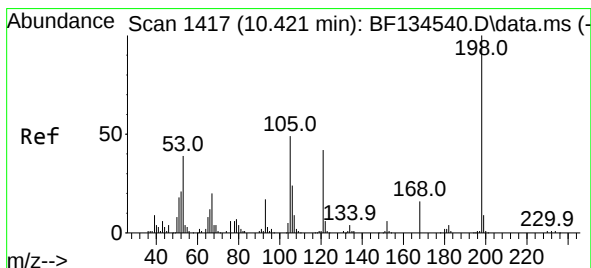
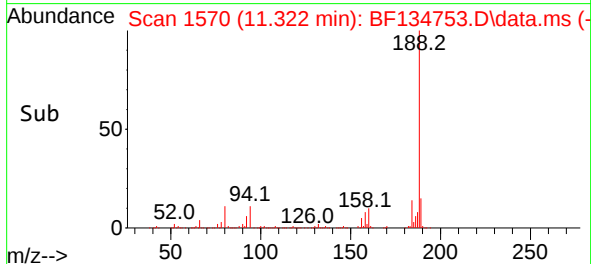
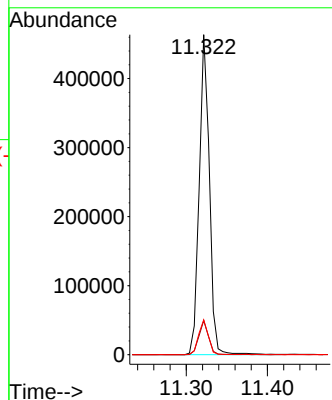
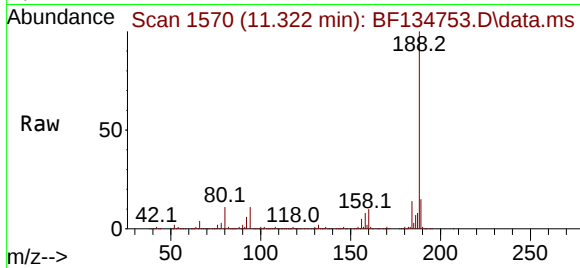




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134753.D
Acq: 14 Aug 2023 11:35

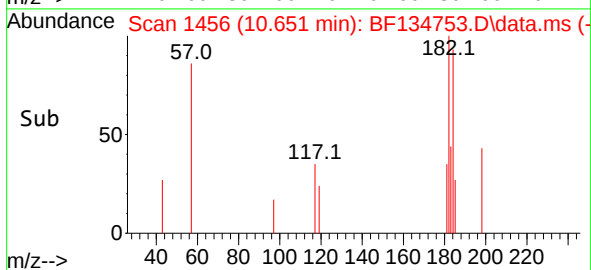
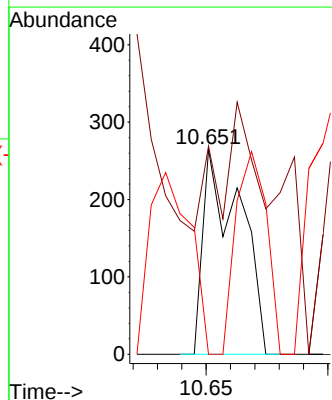
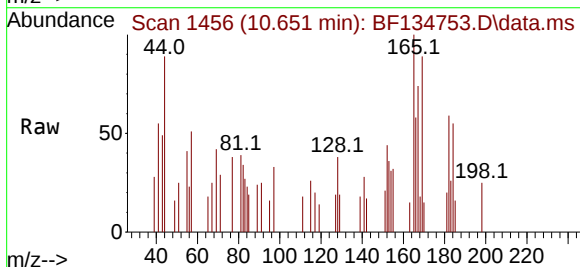
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z93-94DL2

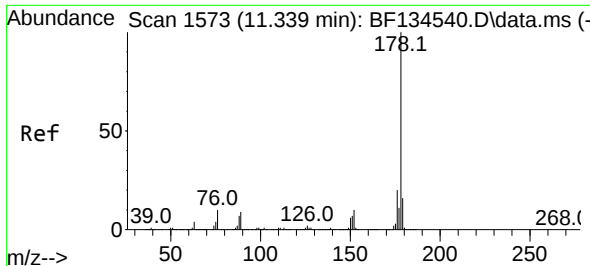
Tgt Ion:188 Resp: 404942
Ion Ratio Lower Upper
188 100
94 10.6 5.1 7.7#
80 10.9 6.6 9.8#



#65
4,6-Dinitro-2-methylphenol
Concen: 8.838 ng
RT: 10.651 min Scan# 1456
Delta R.T. 0.212 min
Lab File: BF134753.D
Acq: 14 Aug 2023 11:35

Tgt Ion:198 Resp: 279
Ion Ratio Lower Upper
198 100
51 101.5 38.6 78.6#
105 0.0 27.9 67.9#

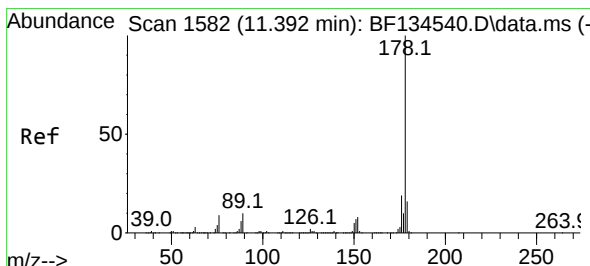
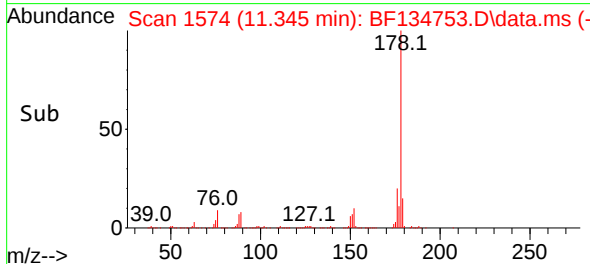
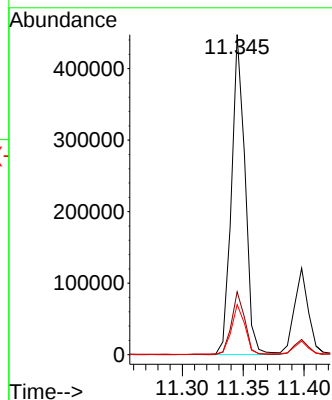
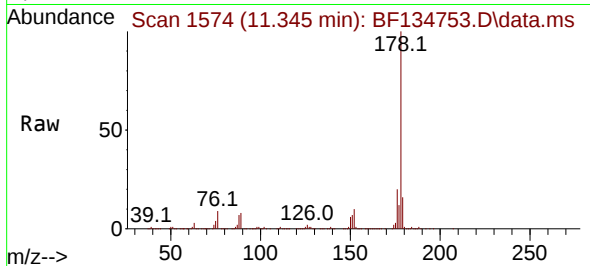




#71
Phenanthrene
Concen: 16.143 ng
RT: 11.345 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134753.D
Acq: 14 Aug 2023 11:35

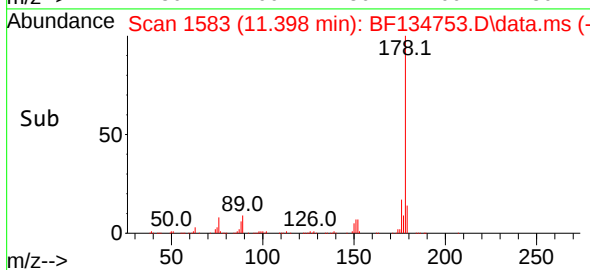
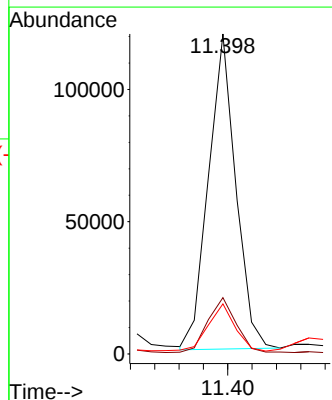
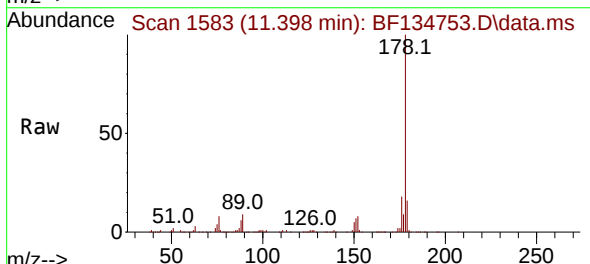
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z93-94DL2

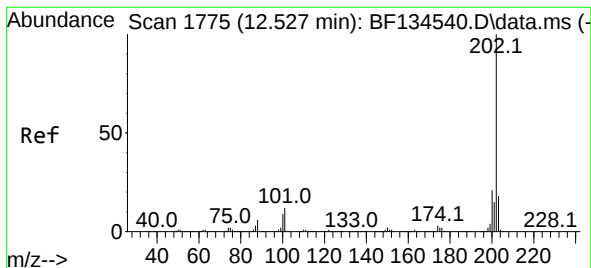
Tgt Ion:178 Resp: 347213
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.6
179 15.6 12.7 19.1



#72
Anthracene
Concen: 4.238 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF134753.D
Acq: 14 Aug 2023 11:35

Tgt Ion:178 Resp: 93116
Ion Ratio Lower Upper
178 100
176 17.6 14.6 21.8
179 15.7 12.3 18.5





#75

Fluoranthene

Concen: 5.303 ng

RT: 12.539 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134753.D

Acq: 14 Aug 2023 11:35

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB02-Z93-94DL2

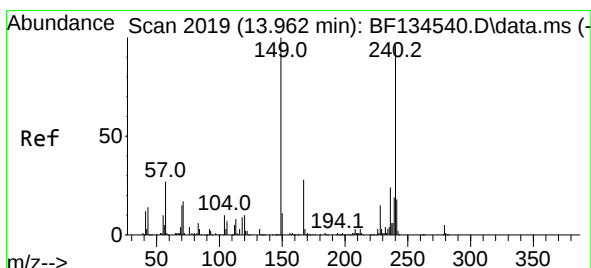
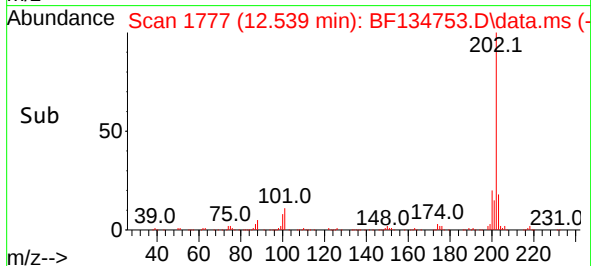
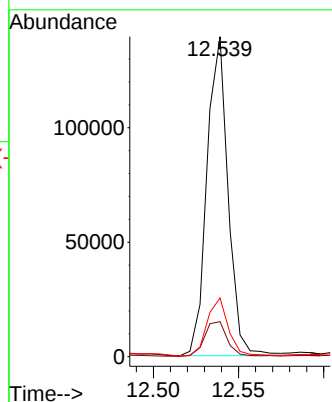
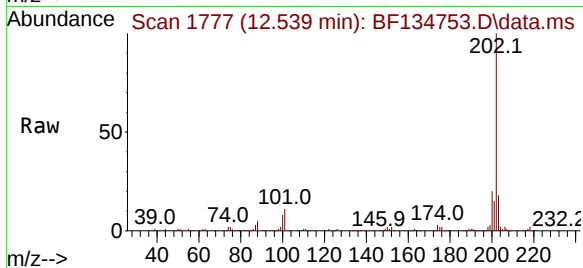
Tgt Ion:202 Resp: 120474

Ion Ratio Lower Upper

202 100

101 11.0 0.0 28.5

203 18.4 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: BF134753.D

Acq: 14 Aug 2023 11:35

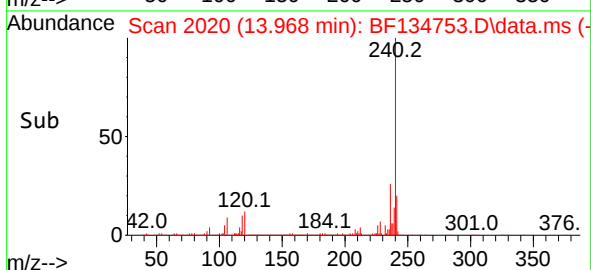
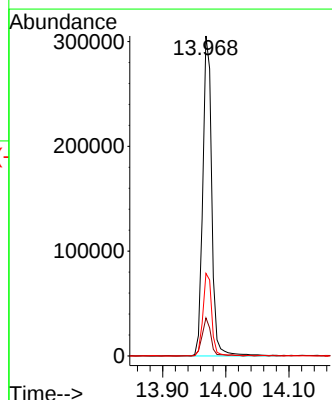
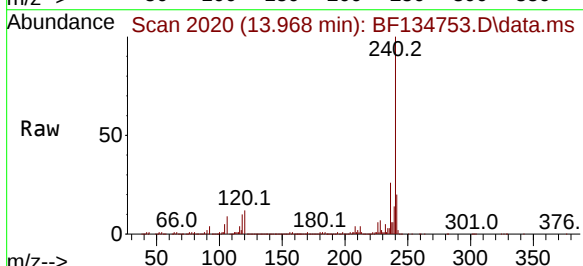
Tgt Ion:240 Resp: 300809

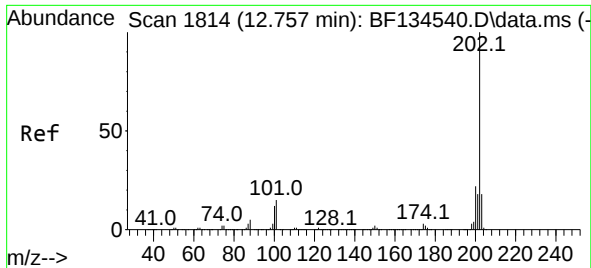
Ion Ratio Lower Upper

240 100

120 11.9 6.6 10.0#

236 25.8 20.2 30.2

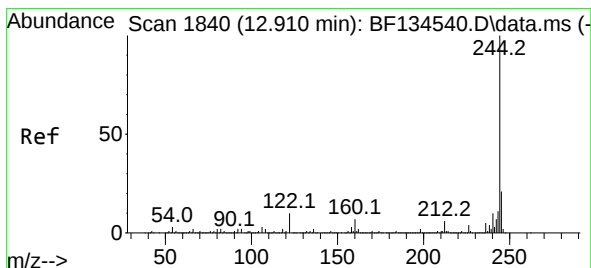
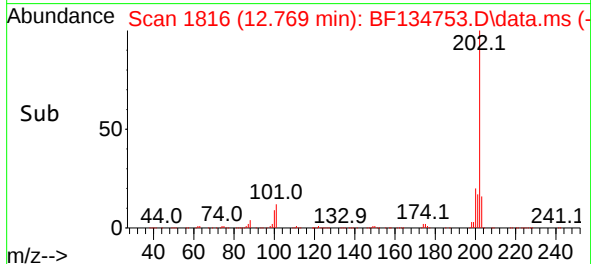
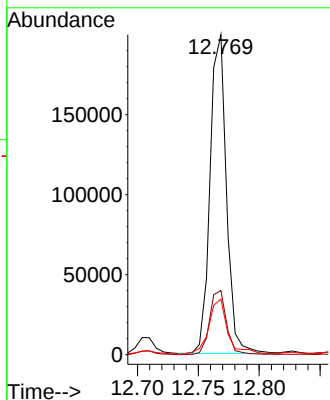
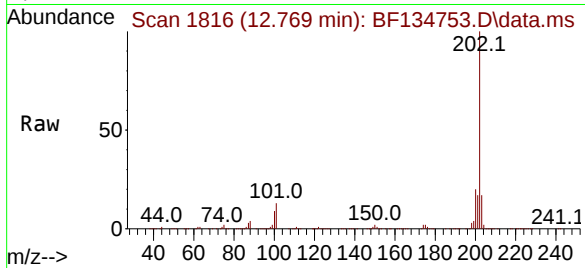




#78
Pyrene
Concen: 7.157 ng
RT: 12.769 min Scan# 1816
Delta R.T. 0.000 min
Lab File: BF134753.D
Acq: 14 Aug 2023 11:35

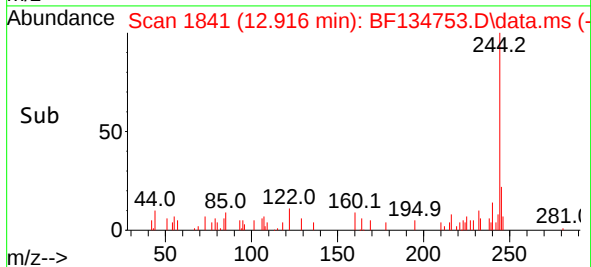
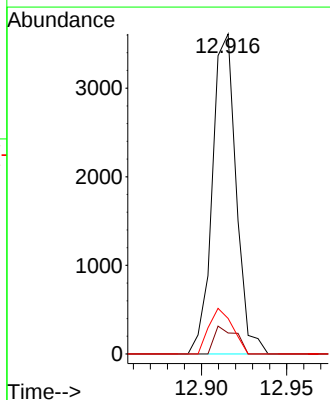
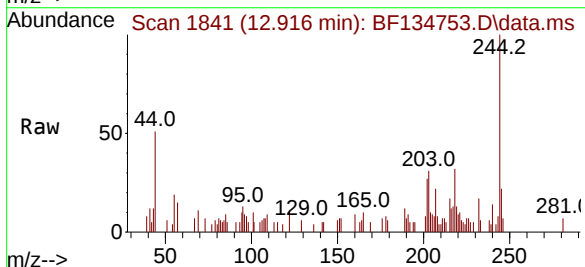
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z93-94DL2

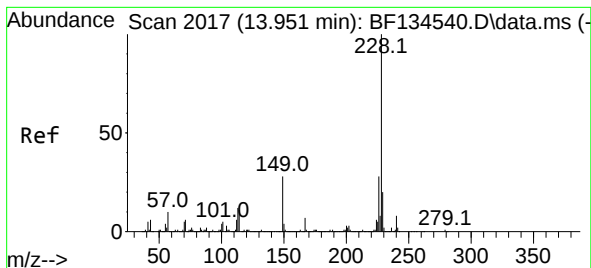
Tgt Ion:202 Resp: 186288
Ion Ratio Lower Upper
202 100
200 20.1 15.8 23.8
203 17.4 13.5 20.3



#79
Terphenyl-d14
Concen: 0.206 ng
RT: 12.916 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BF134753.D
Acq: 14 Aug 2023 11:35

Tgt Ion:244 Resp: 3517
Ion Ratio Lower Upper
244 100
212 6.6 5.6 8.4
122 11.1 8.0 12.0





#81

Benzo(a)anthracene

Concen: 2.256 ng

RT: 13.998 min Scan# 20

Delta R.T. 0.035 min

Lab File: BF134753.D

Acq: 14 Aug 2023 11:35

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB02-Z93-94DL2

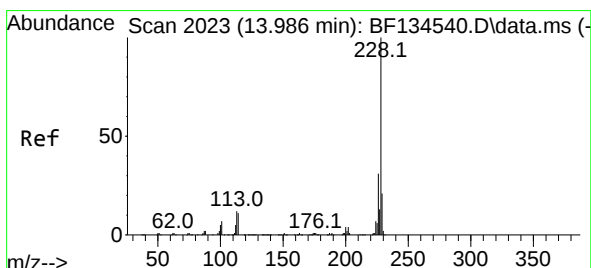
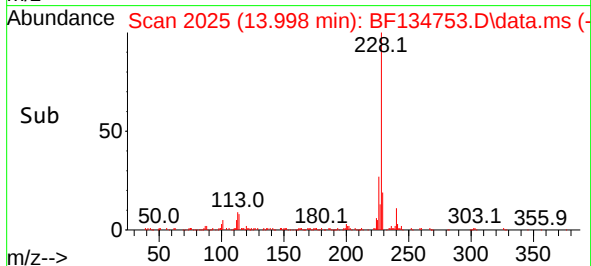
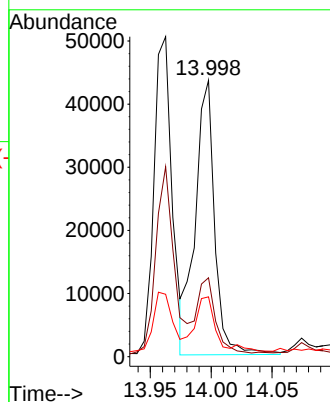
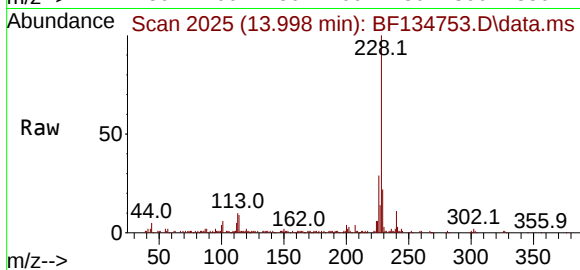
Tgt Ion:228 Resp: 48533

Ion Ratio Lower Upper

228 100

226 28.5 22.3 33.5

229 21.6 15.8 23.6



#83

Chrysene

Concen: 2.316 ng

RT: 13.998 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BF134753.D

Acq: 14 Aug 2023 11:35

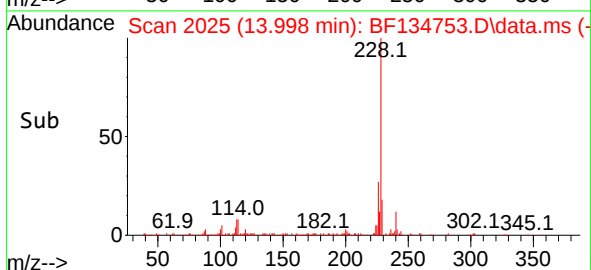
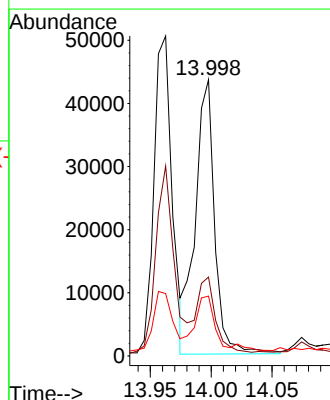
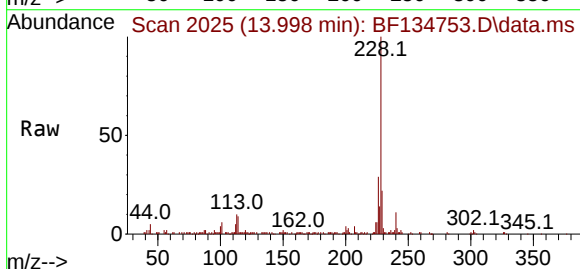
Tgt Ion:228 Resp: 48533

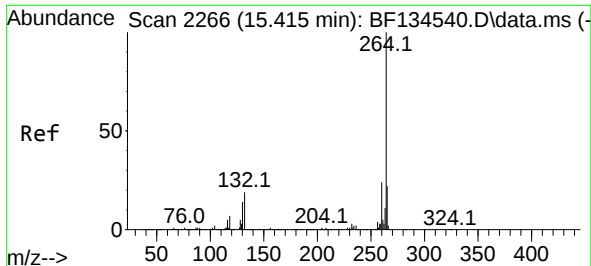
Ion Ratio Lower Upper

228 100

226 28.5 24.5 36.7

229 21.6 15.8 23.8

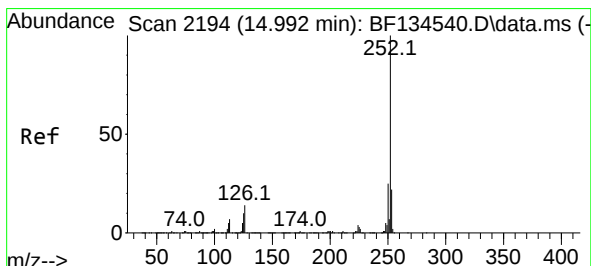
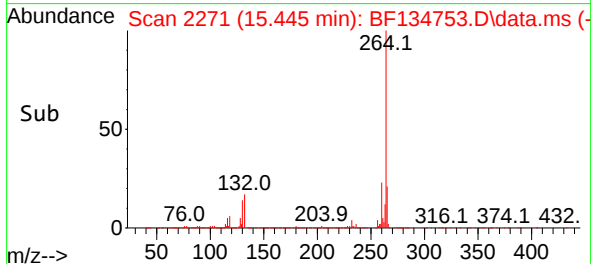
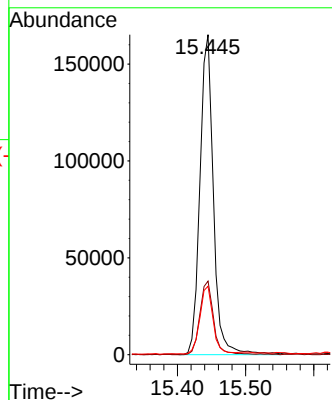
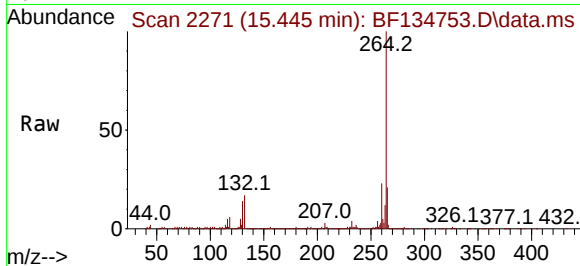




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2198
Delta R.T. 0.006 min
Lab File: BF134753.D
Acq: 14 Aug 2023 11:35

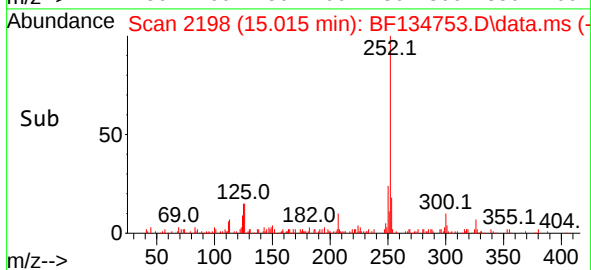
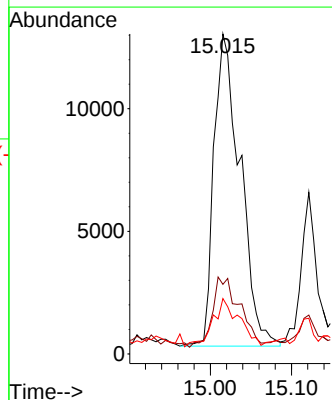
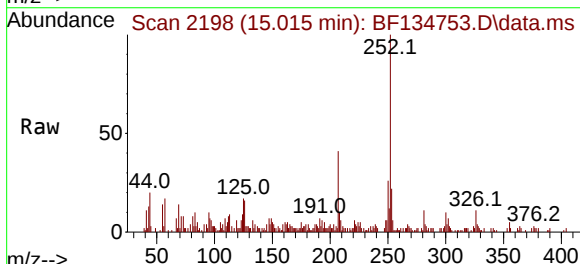
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z93-94DL2

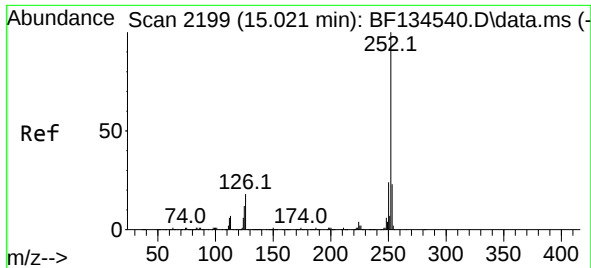
Tgt Ion:264 Resp: 227289
Ion Ratio Lower Upper
264 100
260 23.0 18.4 27.6
265 21.4 15.8 23.8



#88
Benzo(b)fluoranthene
Concen: 2.067 ng
RT: 15.015 min Scan# 2198
Delta R.T. 0.006 min
Lab File: BF134753.D
Acq: 14 Aug 2023 11:35

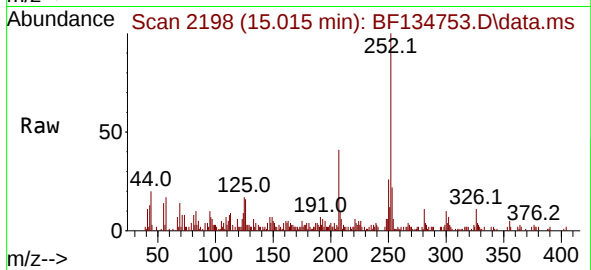
Tgt Ion:252 Resp: 28655
Ion Ratio Lower Upper
252 100
253 21.7 17.3 25.9
125 17.3 6.0 9.0#





#89
Benzo(k)fluoranthene
Concen: 2.075 ng
RT: 15.015 min Scan# 2198
Delta R.T. -0.024 min
Lab File: BF134753.D
Acq: 14 Aug 2023 11:35

Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z93-94DL2



Tgt Ion:252 Resp: 28655
Ion Ratio Lower Upper
252 100
253 21.7 17.9 26.9
125 17.3 6.3 9.5#

