

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF083123\
 Data File : BF135063.D
 Acq On : 01 Sep 2023 02:45
 Operator : CG\JU
 Sample : 04093-02DL2 1000X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB04-Z52-53DL2

Quant Time: Sep 01 03:42:41 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)

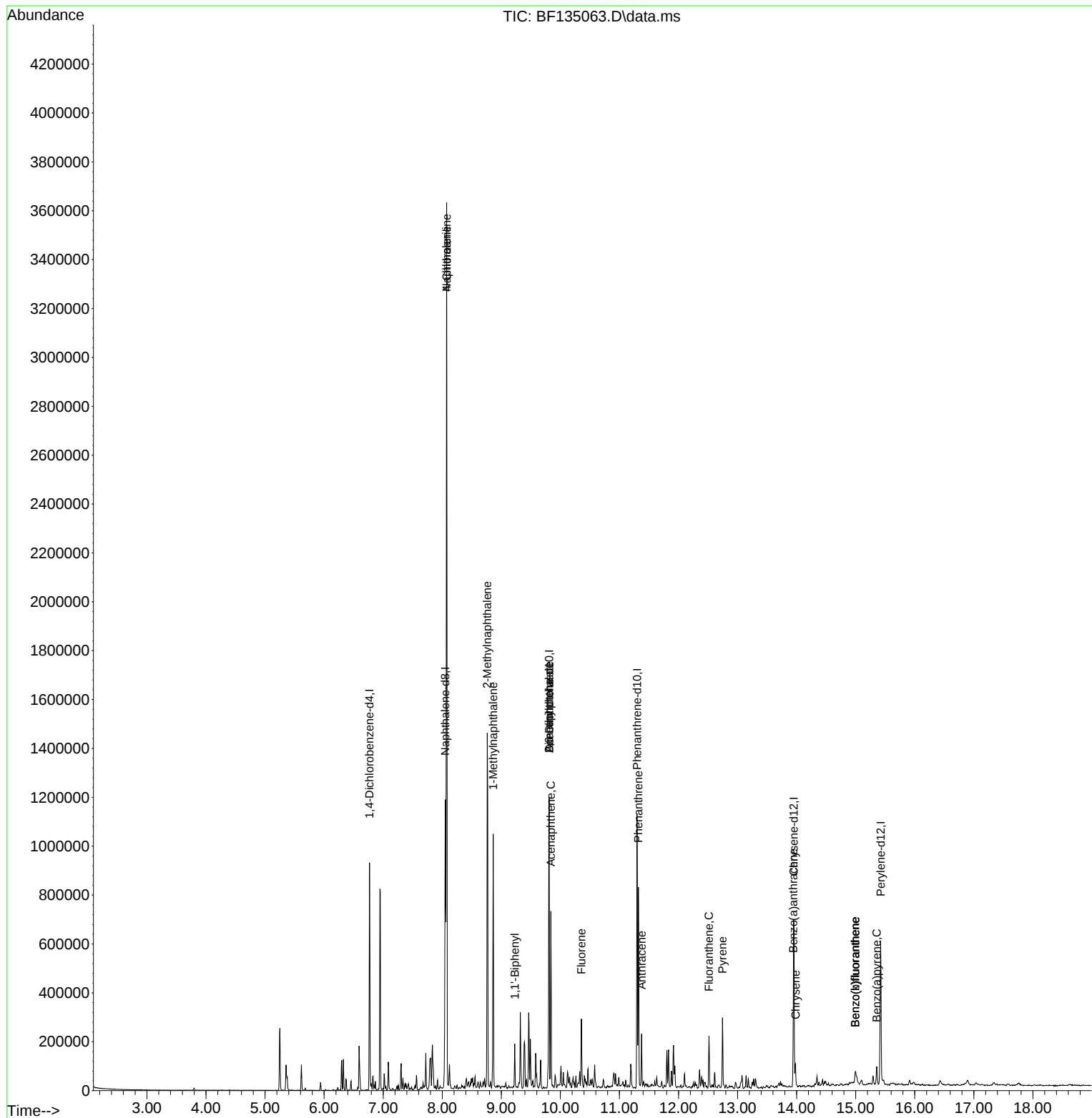
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	124921	20.000	ng	0.00
21) Naphthalene-d8	8.051	136	502667	20.000	ng	0.00
39) Acenaphthene-d10	9.810	164	234138	20.000	ng	0.00
64) Phenanthrene-d10	11.298	188	389478	20.000	ng	-0.01
76) Chrysene-d12	13.951	240	218604	20.000	ng	-0.01
86) Perylene-d12	15.421	264	255670	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	173	0.021	ng	0.00
7) Phenol-d6	6.410	99	563	0.056	ng	0.00
23) Nitrobenzene-d5	7.328	82	578	0.065	ng	-0.02
42) 2,4,6-Tribromophenol	0.000	330	0	0.000	ng	
45) 2-Fluorobiphenyl	9.128	172	1326	0.092	ng	-0.01
79) Terphenyl-d14	12.892	244	2043	0.153	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.075	128	1441543	58.707	ng	99
33) 4-Chloroaniline	8.075	127	192886	17.959	ng	# 32
37) 2-Methylnaphthalene	8.763	142	376267	22.966	ng	99
38) 1-Methylnaphthalene	8.863	142	232926	15.194	ng	100
46) 1,1'-Biphenyl	9.228	154	47844	2.675	ng	99
50) Dimethylphthalate	9.810	163	48187	2.939	ng	# 1
51) 2,6-Dinitrotoluene	9.810	165	33822	9.402	ng	# 22
52) Acenaphthene	9.839	154	135190	10.432	ng	98
58) Fluorene	10.357	166	69329	4.865	ng	96
71) Phenanthrene	11.322	178	292195	14.542	ng	99
72) Anthracene	11.375	178	76040	3.704	ng	97
75) Fluoranthene	12.516	202	76236	3.753	ng	98
78) Pyrene	12.745	202	110261	5.312	ng	99
81) Benzo(a)anthracene	13.945	228	40290	2.702	ng	# 73
83) Chrysene	13.980	228	37558	2.563	ng	96
88) Benzo(b)fluoranthene	14.992	252	35133	2.208	ng	# 95
89) Benzo(k)fluoranthene	14.992	252	35133	2.286	ng	# 96
90) Benzo(a)pyrene	15.357	252	30479	2.062	ng	98

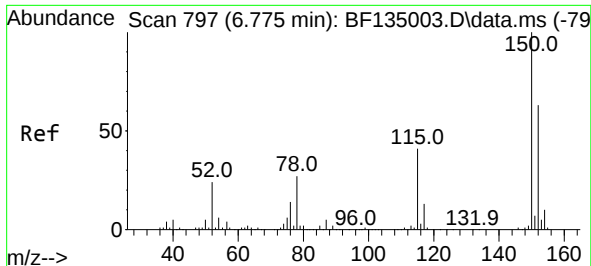
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF083123\
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NEVINS-SB04-Z52-53DL2

Quant Time: Sep 01 03:42:41 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

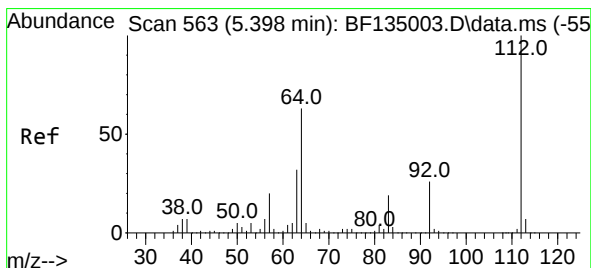
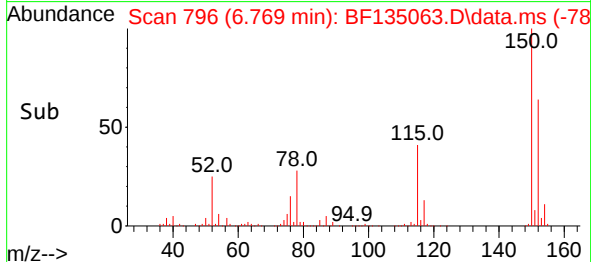
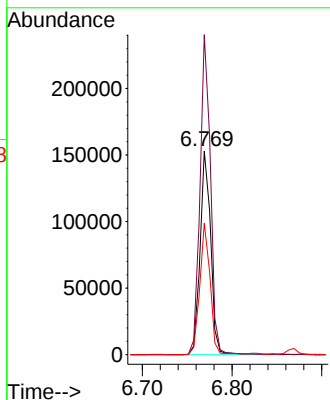
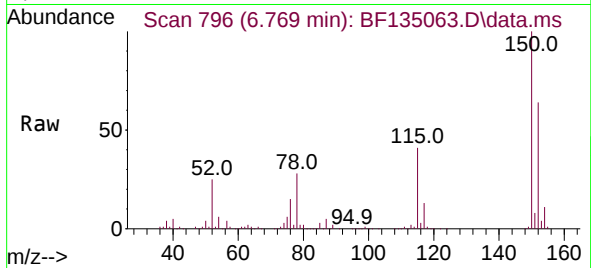




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.769 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF135063.D
Acq: 01 Sep 2023 02:45

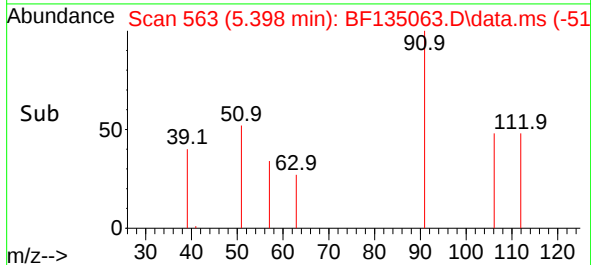
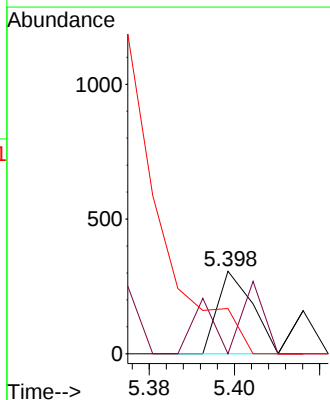
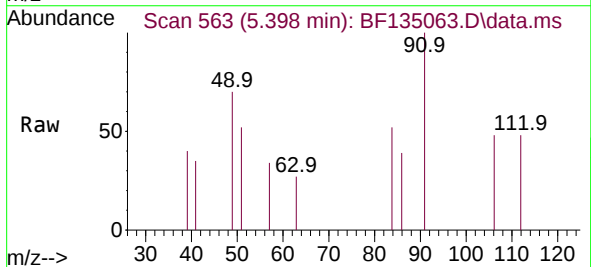
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB04-Z52-53DL2

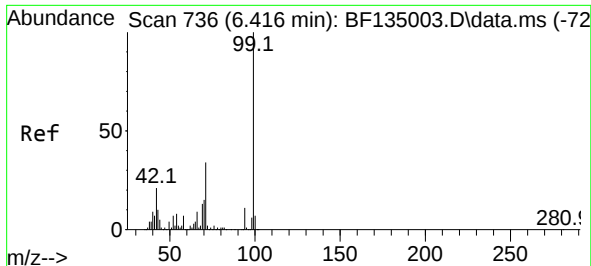
Tgt Ion:152 Resp: 124921
Ion Ratio Lower Upper
152 100
150 157.2 126.2 189.4
115 64.6 51.2 76.8



#5
2-Fluorophenol
Concen: 0.021 ng
RT: 5.398 min Scan# 563
Delta R.T. 0.000 min
Lab File: BF135063.D
Acq: 01 Sep 2023 02:45

Tgt Ion:112 Resp: 173
Ion Ratio Lower Upper
112 100
64 0.0 50.5 75.7#
63 54.9 25.9 38.9#

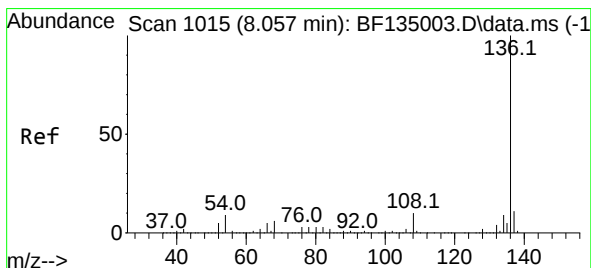
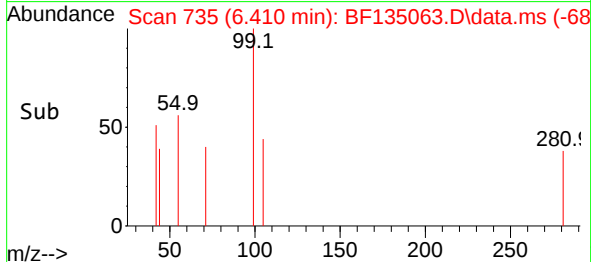
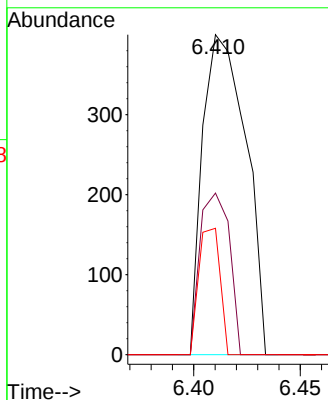
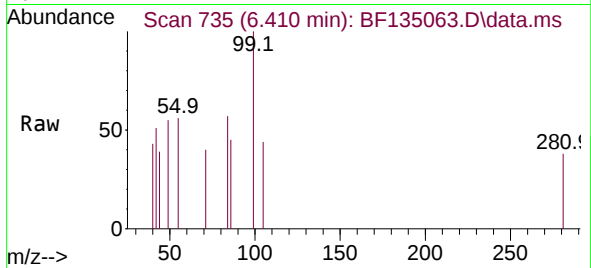




#7
Phenol-d6
Concen: 0.056 ng
RT: 6.410 min Scan# 736
Delta R.T. -0.006 min
Lab File: BF135063.D
Acq: 01 Sep 2023 02:45

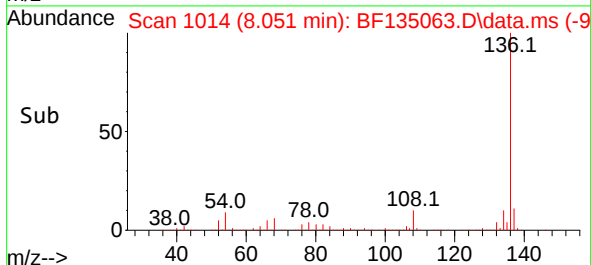
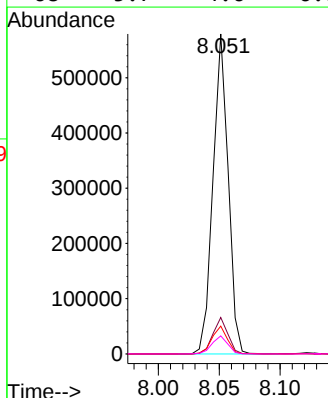
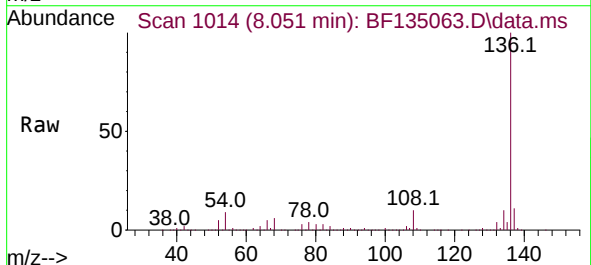
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB04-Z52-53DL2

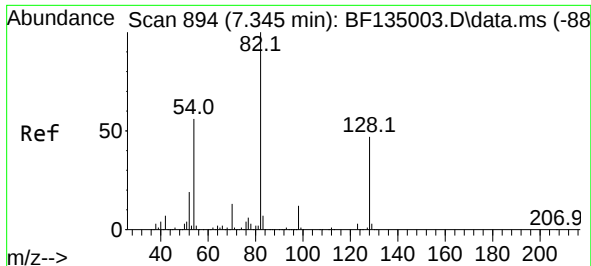
Tgt Ion: 99 Resp: 563
Ion Ratio Lower Upper
99 100
42 50.5 16.6 25.0#
71 39.5 27.0 40.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.051 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF135063.D
Acq: 01 Sep 2023 02:45

Tgt Ion: 136 Resp: 502667
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 8.7 7.0 10.4
68 5.7 4.6 6.8

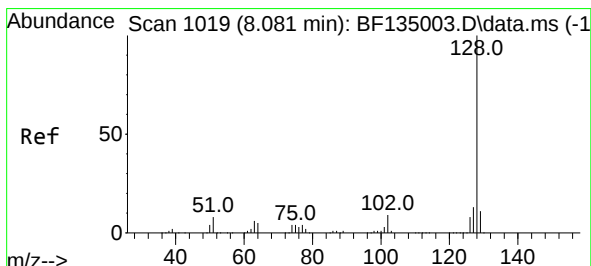
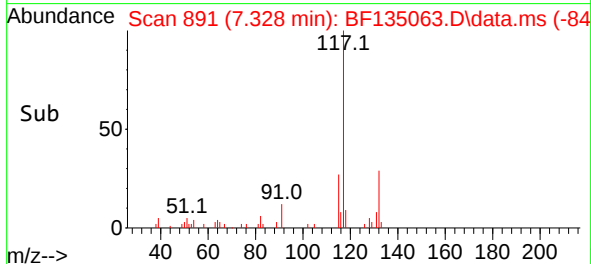
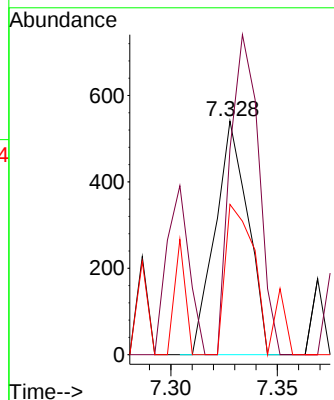
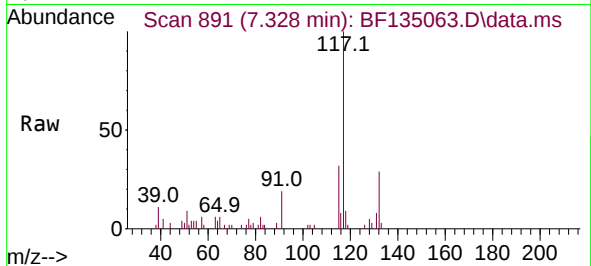




#23
Nitrobenzene-d5
Concen: 0.065 ng
RT: 7.328 min Scan# 89
Delta R.T. -0.018 min
Lab File: BF135063.D
Acq: 01 Sep 2023 02:45

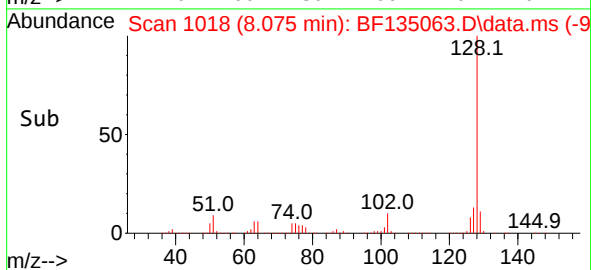
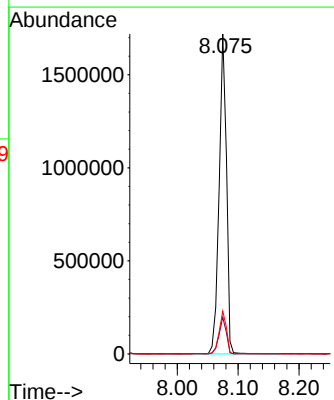
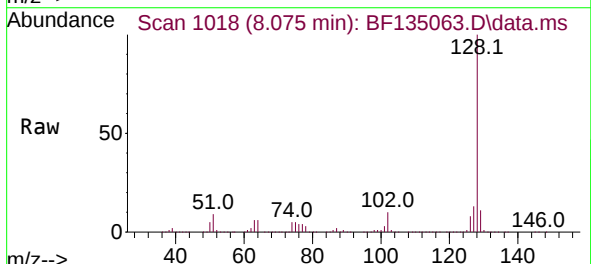
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB04-Z52-53DL2

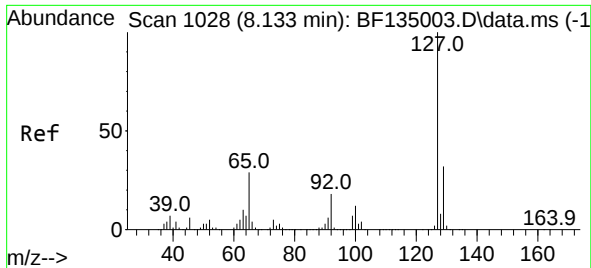
Tgt Ion: 82 Resp: 578
Ion Ratio Lower Upper
82 100
128 88.0 37.8 56.8#
54 64.3 45.0 67.6



#31
Naphthalene
Concen: 58.707 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF135063.D
Acq: 01 Sep 2023 02:45

Tgt Ion: 128 Resp: 1441543
Ion Ratio Lower Upper
128 100
129 11.5 8.6 13.0
127 13.4 10.6 16.0

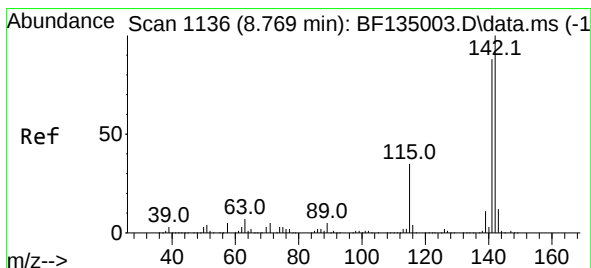
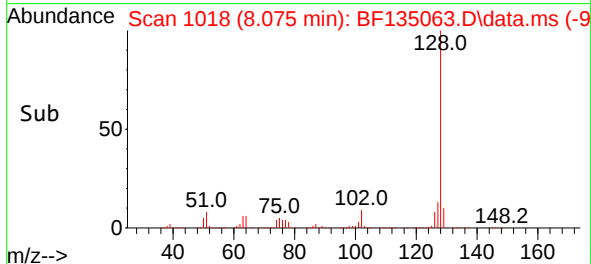
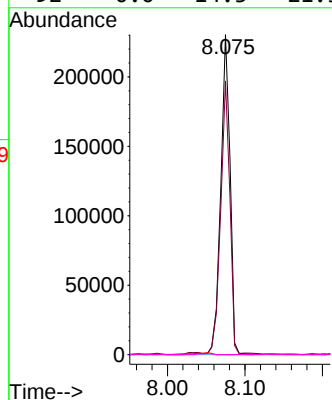
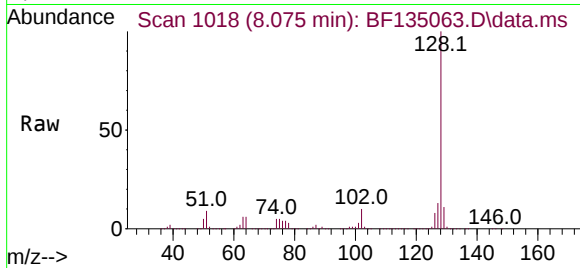




#33
4-Chloroaniline
Concen: 17.959 ng
RT: 8.075 min Scan# 10
Delta R.T. -0.059 min
Lab File: BF135063.D
Acq: 01 Sep 2023 02:45

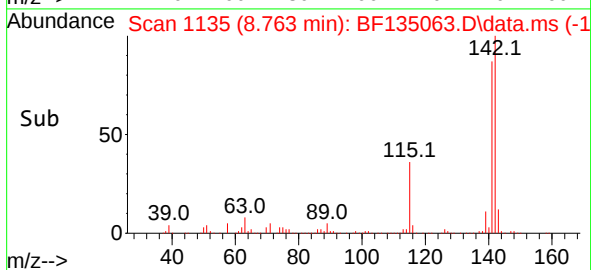
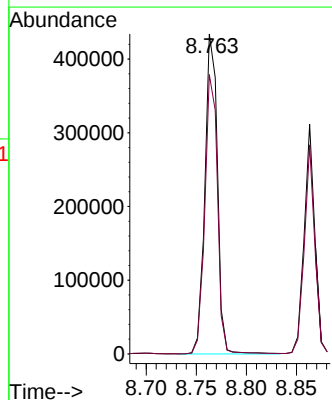
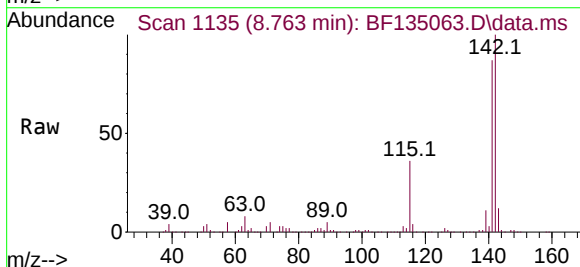
Instrument :
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ClientSampleId :
NEVINS-SB04-Z52-53DL2

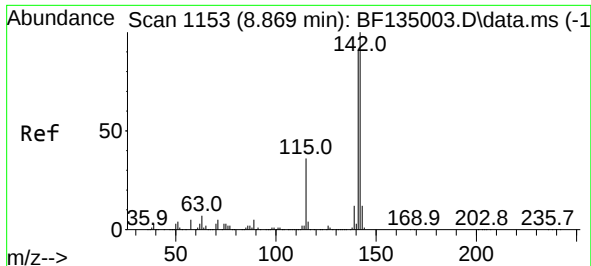
Tgt Ion:	127	Resp:	192886
Ion Ratio	Lower	Upper	
127	100		
129	85.5	25.6	38.4#
65	0.0	23.1	34.7#
92	0.0	14.3	21.5#



#37
2-Methylnaphthalene
Concen: 22.966 ng
RT: 8.763 min Scan# 1135
Delta R.T. -0.006 min
Lab File: BF135063.D
Acq: 01 Sep 2023 02:45

Tgt Ion:	142	Resp:	376267
Ion Ratio	Lower	Upper	
142	100		
141	87.3	70.7	106.1

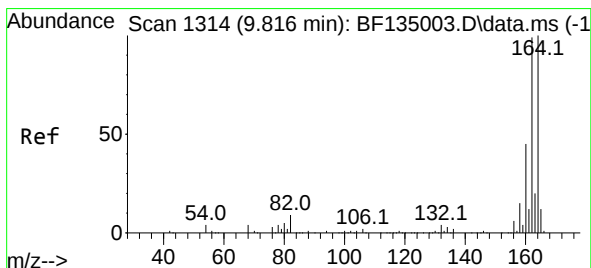
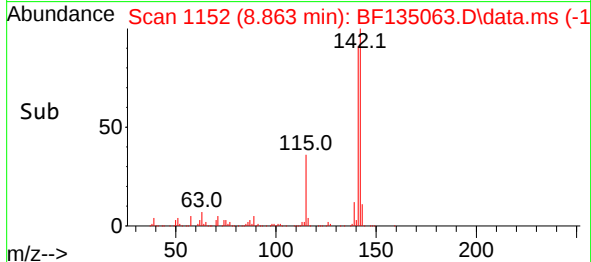
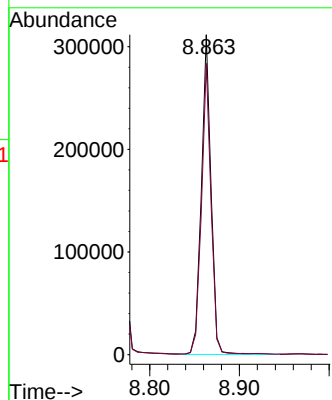
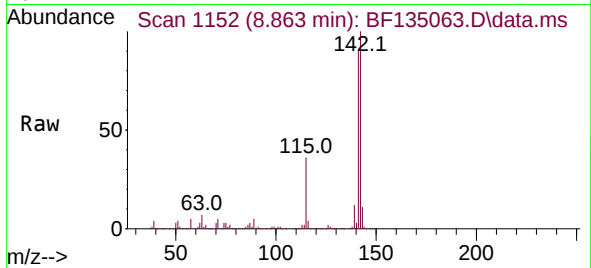




#38
1-Methylnaphthalene
Concen: 15.194 ng
RT: 8.863 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BF135063.D
Acq: 01 Sep 2023 02:45

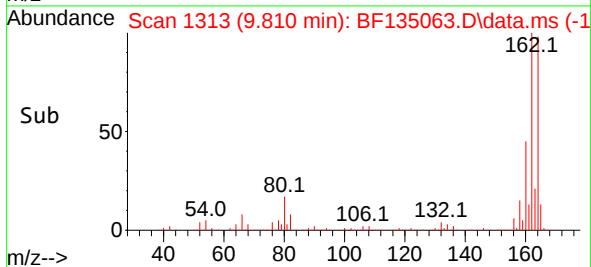
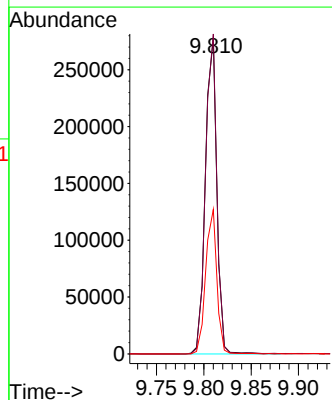
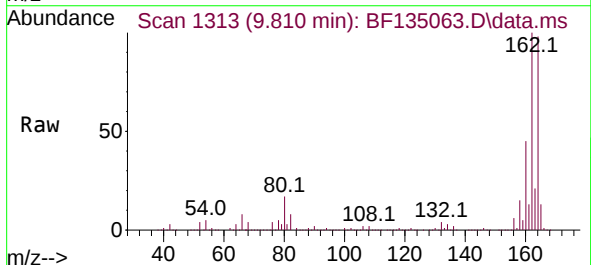
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB04-Z52-53DL2

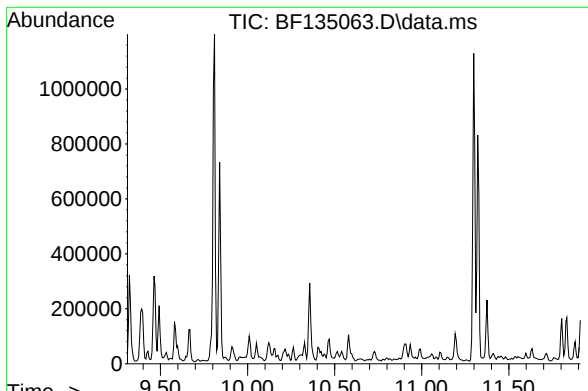
Tgt Ion:142 Resp: 232926
Ion Ratio Lower Upper
142 100
141 91.0 73.0 109.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF135063.D
Acq: 01 Sep 2023 02:45

Tgt Ion:164 Resp: 234138
Ion Ratio Lower Upper
164 100
162 101.6 79.5 119.3
160 45.8 36.0 54.0

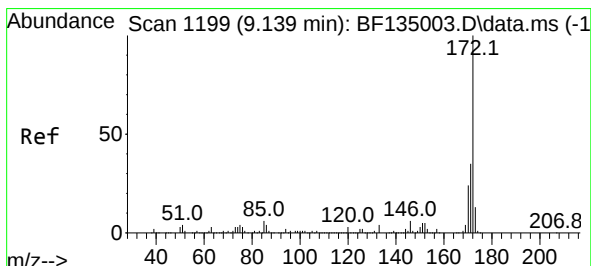
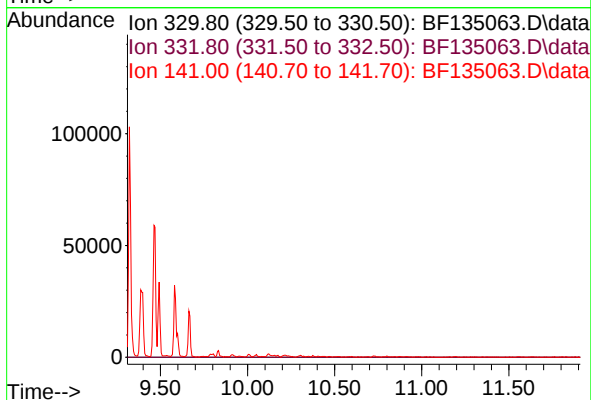




#42
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 10.61 min
 Lab File: BF135063.D
 Acq: 01 Sep 2023 02:45

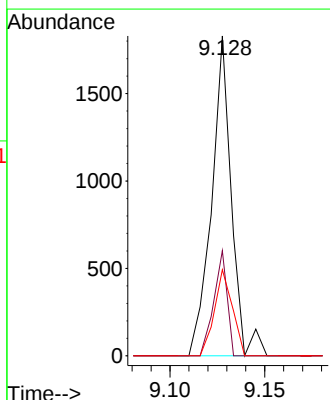
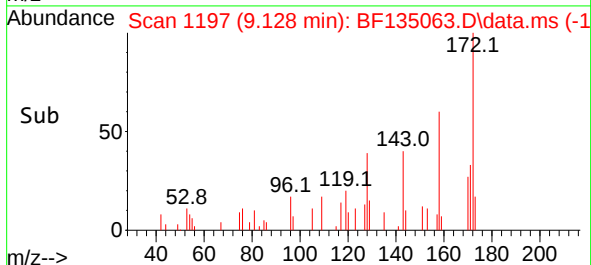
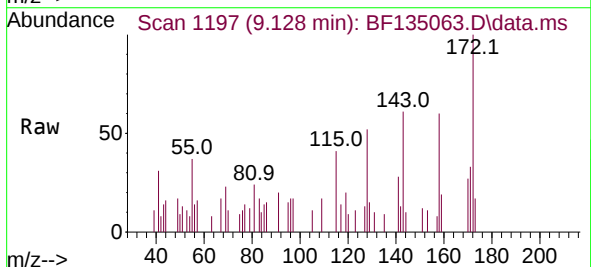
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 NEVINS-SB04-Z52-53DL2

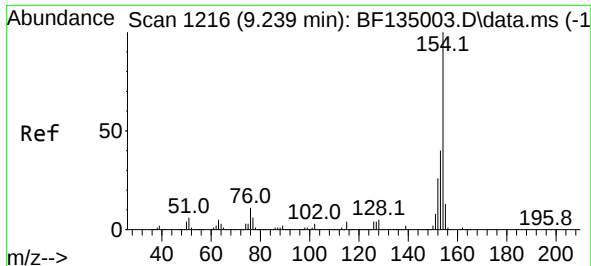
Tgt Ion: 330
 Sig Exp Ratio
 330 100
 332 97.0
 141 32.9



#45
 2-Fluorobiphenyl
 Concen: 0.092 ng
 RT: 9.128 min Scan# 1197
 Delta R.T. -0.012 min
 Lab File: BF135063.D
 Acq: 01 Sep 2023 02:45

Tgt Ion: 172 Resp: 1326
 Ion Ratio Lower Upper
 172 100
 171 32.9 28.2 42.2
 170 26.9 19.0 28.4

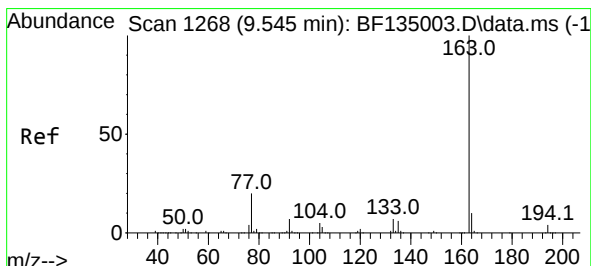
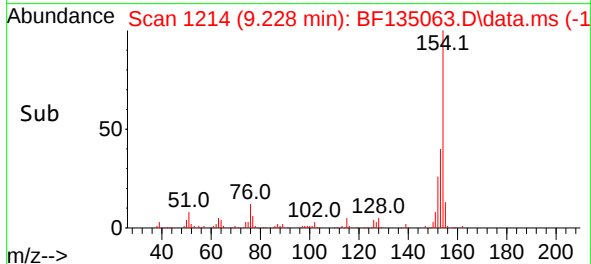
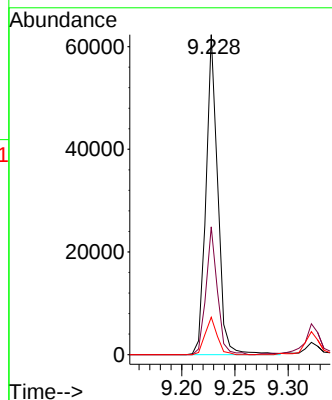
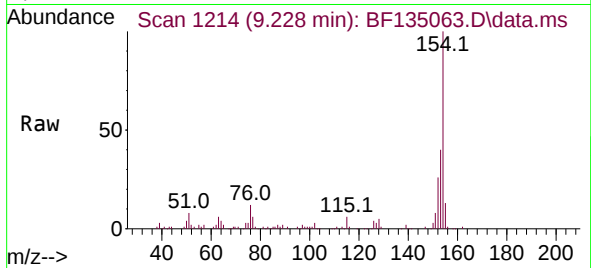




#46
1,1'-Biphenyl
Concen: 2.675 ng
RT: 9.228 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135063.D
Acq: 01 Sep 2023 02:45

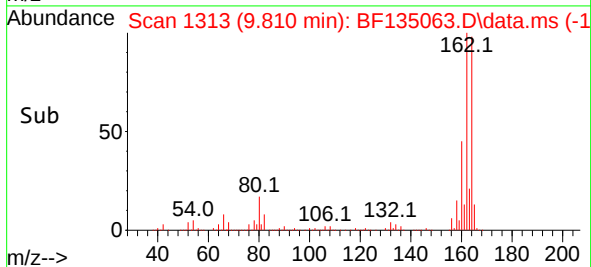
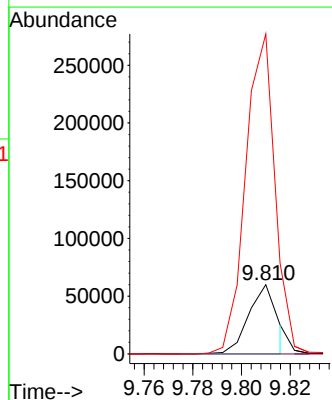
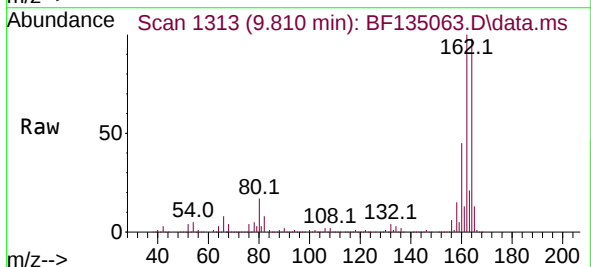
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB04-Z52-53DL2

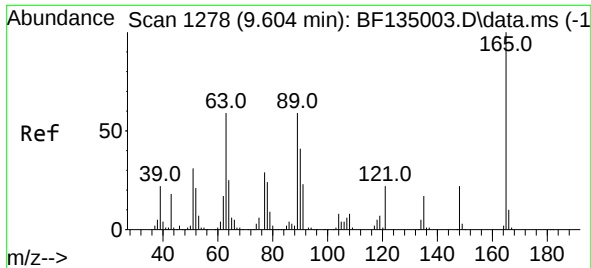
Tgt Ion:154 Resp: 47844
Ion Ratio Lower Upper
154 100
153 39.9 20.2 60.2
76 11.7 0.0 31.2



#50
Dimethylphthalate
Concen: 2.939 ng
RT: 9.810 min Scan# 1313
Delta R.T. 0.265 min
Lab File: BF135063.D
Acq: 01 Sep 2023 02:45

Tgt Ion:163 Resp: 48187
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 462.0 8.1 12.1#

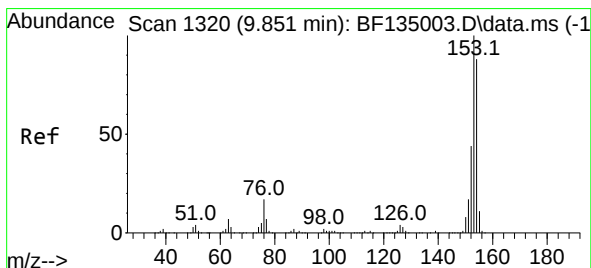
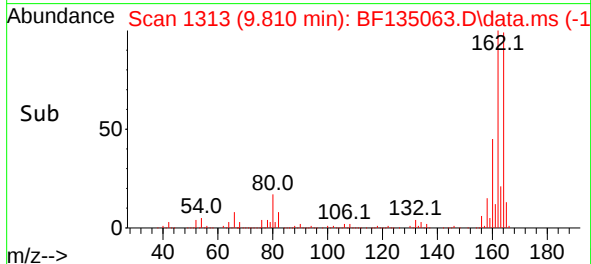
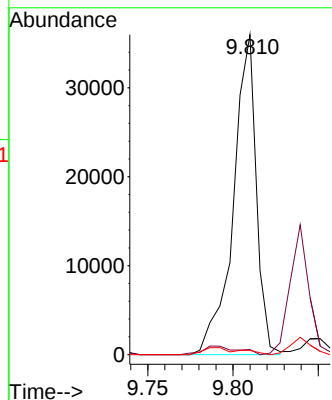
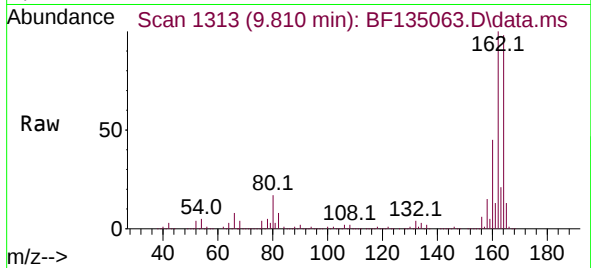




#51
2,6-Dinitrotoluene
Concen: 9.402 ng
RT: 9.810 min Scan# 1313
Delta R.T. 0.206 min
Lab File: BF135063.D
Acq: 01 Sep 2023 02:45

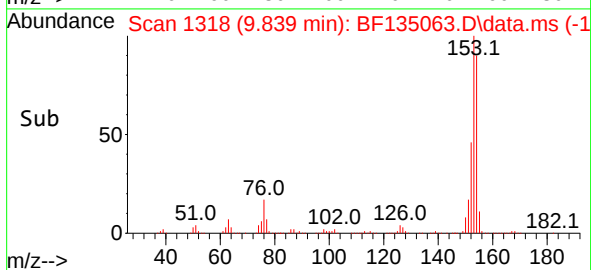
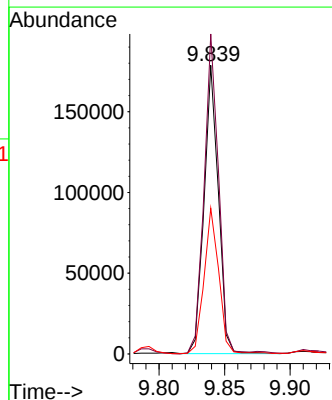
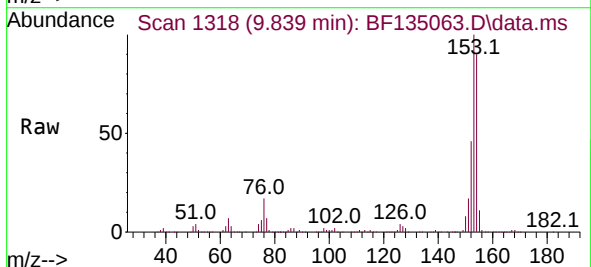
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB04-Z52-53DL2

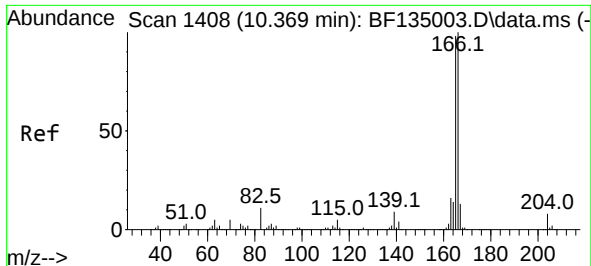
Tgt Ion:165 Resp: 33822
Ion Ratio Lower Upper
165 100
63 1.6 50.4 75.6#
89 1.3 47.1 70.7#



#52
Acenaphthene
Concen: 10.432 ng
RT: 9.839 min Scan# 1318
Delta R.T. -0.012 min
Lab File: BF135063.D
Acq: 01 Sep 2023 02:45

Tgt Ion:154 Resp: 135190
Ion Ratio Lower Upper
154 100
153 110.9 90.8 136.2
152 50.5 40.2 60.4

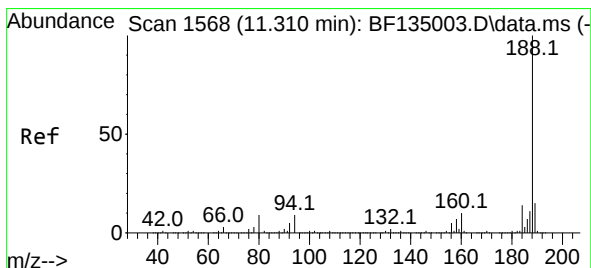
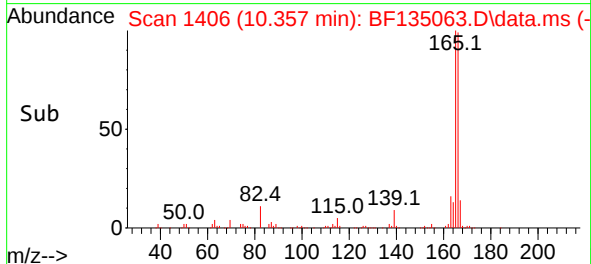
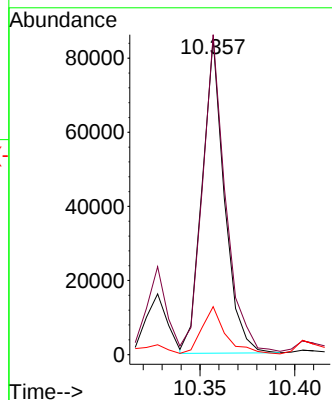
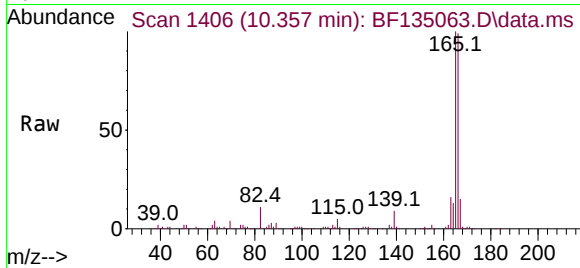




#58
Fluorene
Concen: 4.865 ng
RT: 10.357 min Scan# 1408
Delta R.T. -0.012 min
Lab File: BF135063.D
Acq: 01 Sep 2023 02:45

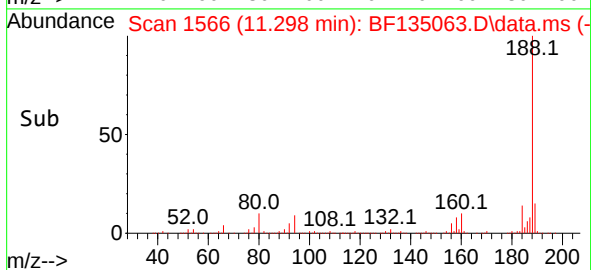
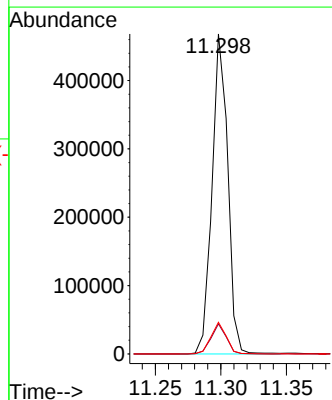
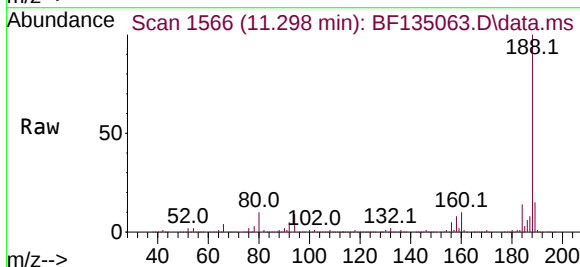
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB04-Z52-53DL2

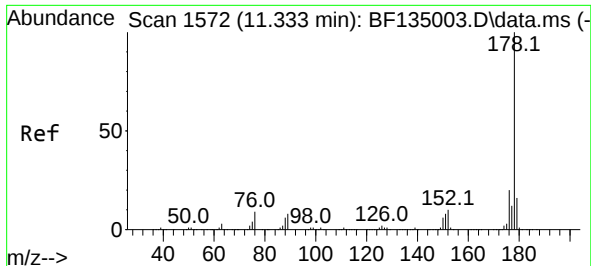
Tgt Ion:166 Resp: 69329
Ion Ratio Lower Upper
166 100
165 101.2 78.0 117.0
167 15.1 10.8 16.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF135063.D
Acq: 01 Sep 2023 02:45

Tgt Ion:188 Resp: 389478
Ion Ratio Lower Upper
188 100
94 9.4 7.0 10.4
80 9.9 7.4 11.2

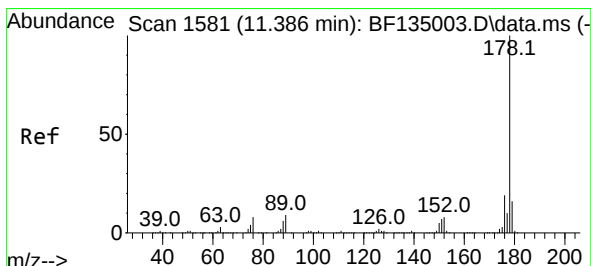
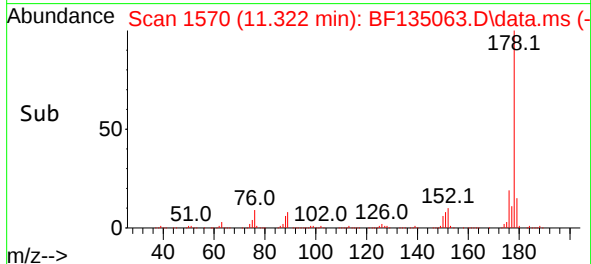
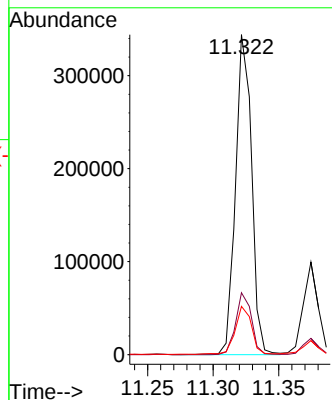
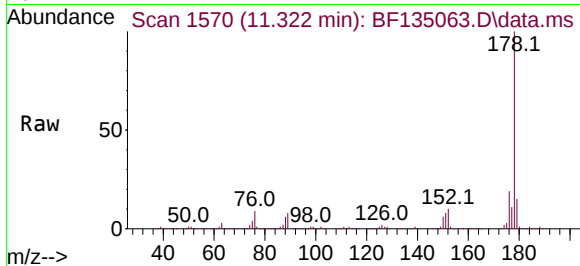




#71
Phenanthrene
Concen: 14.542 ng
RT: 11.322 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135063.D
Acq: 01 Sep 2023 02:45

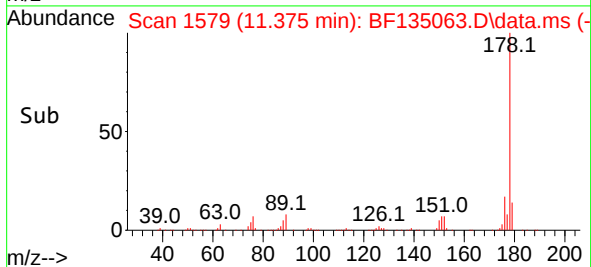
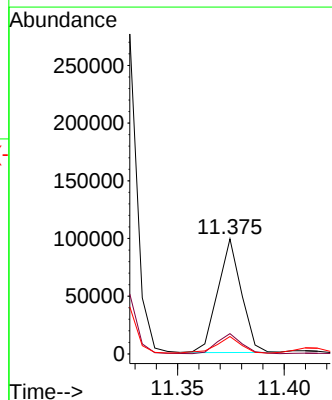
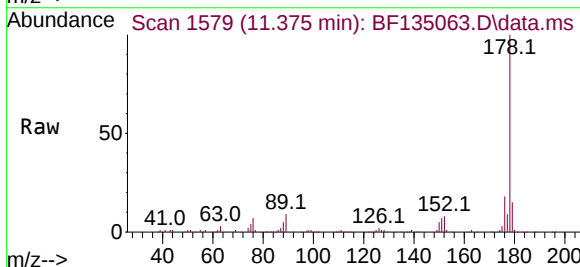
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB04-Z52-53DL2

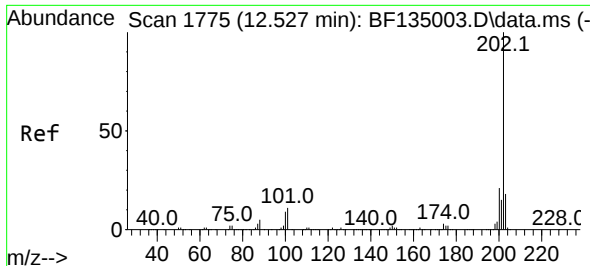
Tgt Ion:178 Resp: 292195
Ion Ratio Lower Upper
178 100
176 19.3 15.9 23.9
179 15.1 12.5 18.7



#72
Anthracene
Concen: 3.704 ng
RT: 11.375 min Scan# 1579
Delta R.T. -0.012 min
Lab File: BF135063.D
Acq: 01 Sep 2023 02:45

Tgt Ion:178 Resp: 76040
Ion Ratio Lower Upper
178 100
176 17.6 15.4 23.2
179 15.1 12.8 19.2

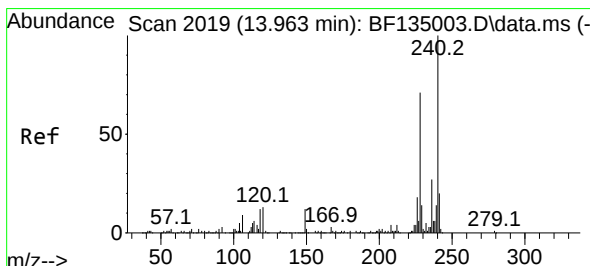
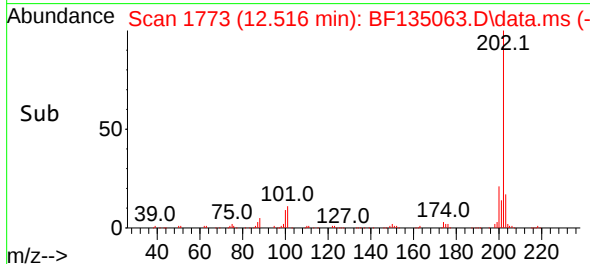
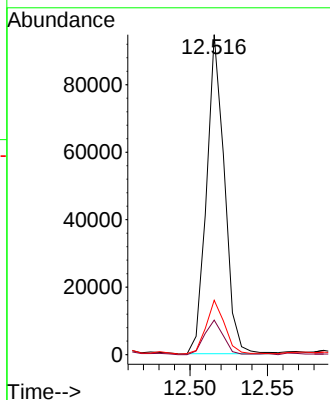
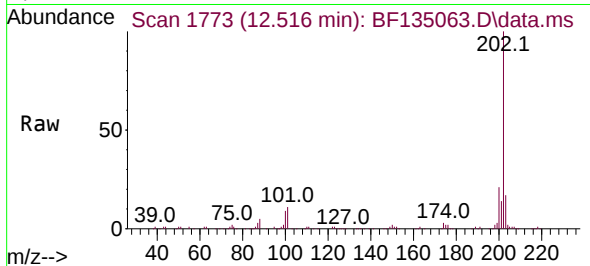




#75
Fluoranthene
Concen: 3.753 ng
RT: 12.516 min Scan# 1775
Delta R.T. -0.012 min
Lab File: BF135063.D
Acq: 01 Sep 2023 02:45

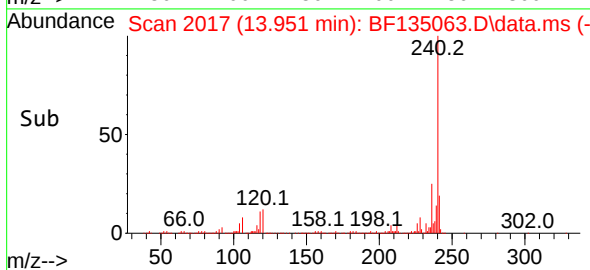
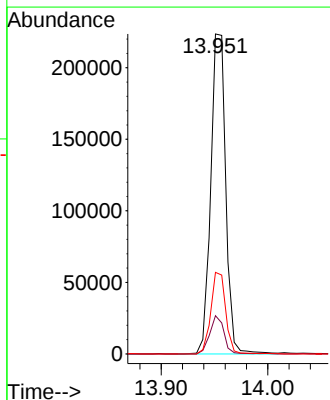
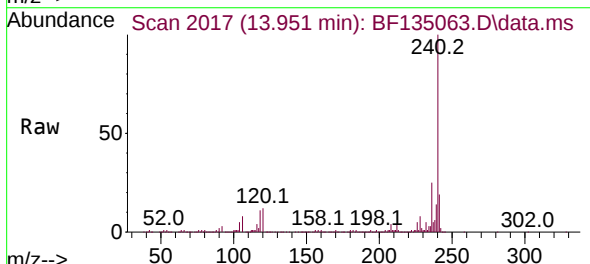
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB04-Z52-53DL2

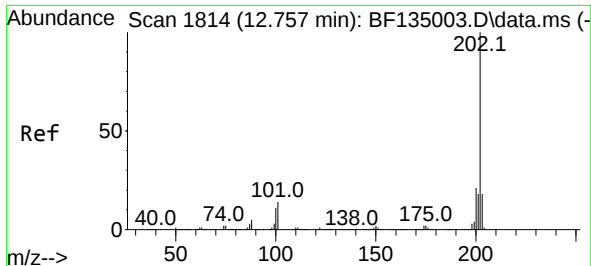
Tgt Ion:202 Resp: 76236
Ion Ratio Lower Upper
202 100
101 10.8 0.0 31.5
203 17.0 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2017
Delta R.T. -0.012 min
Lab File: BF135063.D
Acq: 01 Sep 2023 02:45

Tgt Ion:240 Resp: 218604
Ion Ratio Lower Upper
240 100
120 12.0 10.2 15.2
236 25.5 21.3 31.9

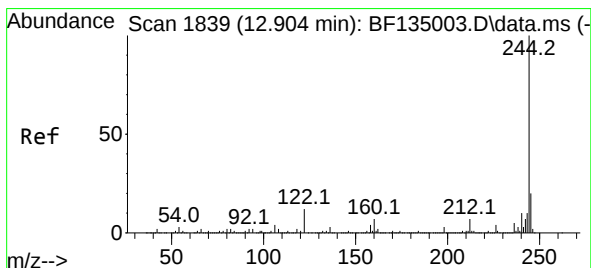
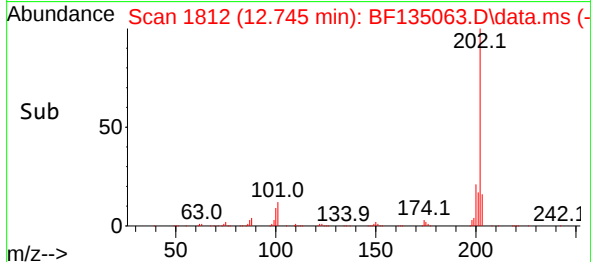
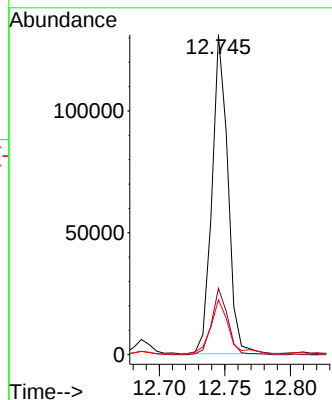
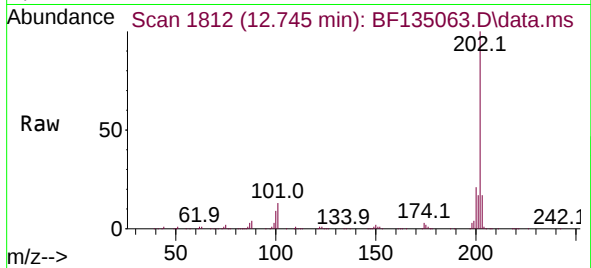




#78
Pyrene
Concen: 5.312 ng
RT: 12.745 min Scan# 1812
Delta R.T. -0.012 min
Lab File: BF135063.D
Acq: 01 Sep 2023 02:45

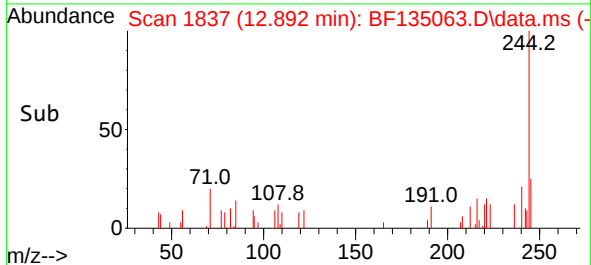
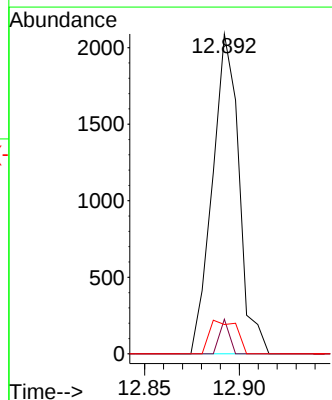
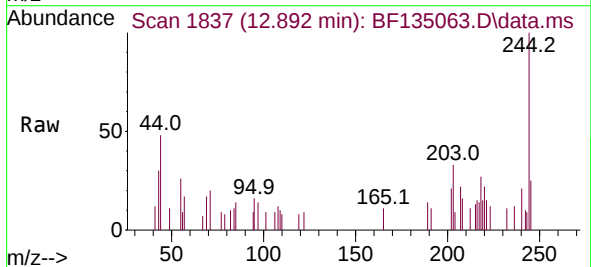
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB04-Z52-53DL2

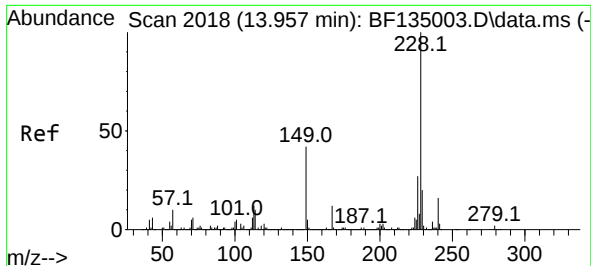
Tgt Ion:202 Resp: 110261
Ion Ratio Lower Upper
202 100
200 20.7 17.0 25.6
203 17.1 14.2 21.2



#79
Terphenyl-d14
Concen: 0.153 ng
RT: 12.892 min Scan# 1837
Delta R.T. -0.012 min
Lab File: BF135063.D
Acq: 01 Sep 2023 02:45

Tgt Ion:244 Resp: 2043
Ion Ratio Lower Upper
244 100
212 10.8 5.6 8.4#
122 9.2 9.8 14.6#

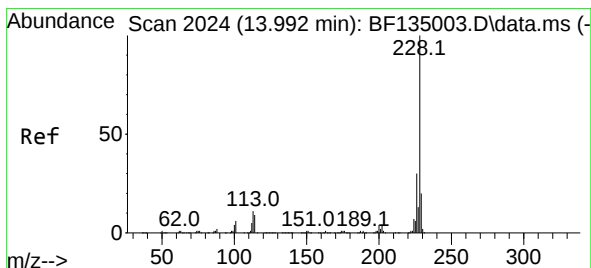
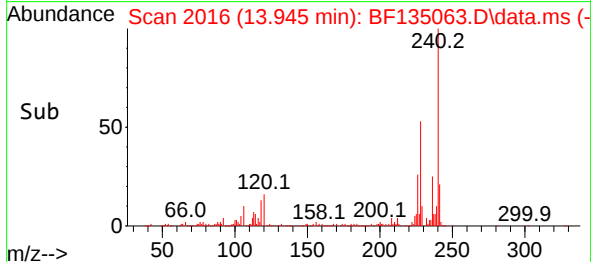
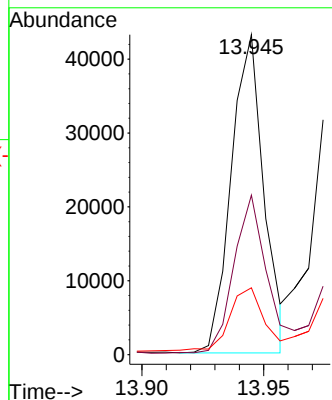
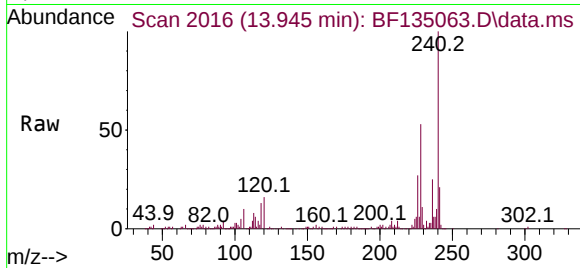




#81
Benzo(a)anthracene
Concen: 2.702 ng
RT: 13.945 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF135063.D
Acq: 01 Sep 2023 02:45

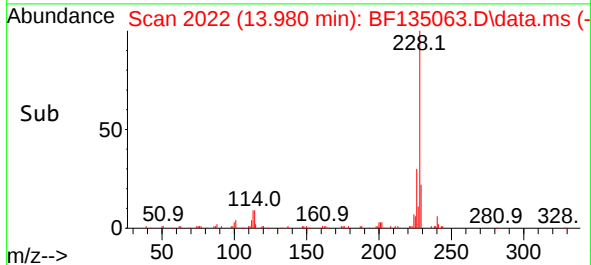
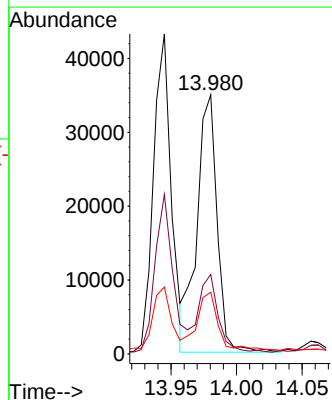
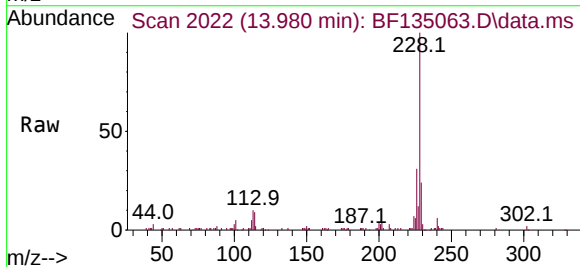
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB04-Z52-53DL2

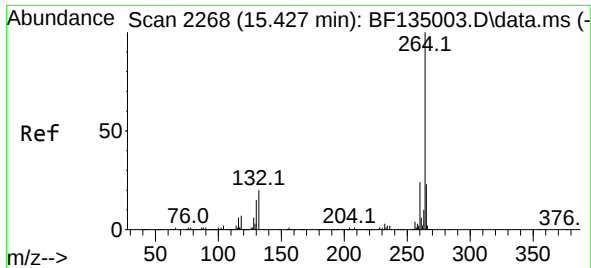
Tgt Ion:228 Resp: 40290
Ion Ratio Lower Upper
228 100
226 49.8 21.6 32.4#
229 20.9 15.6 23.4



#83
Chrysene
Concen: 2.563 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF135063.D
Acq: 01 Sep 2023 02:45

Tgt Ion:228 Resp: 37558
Ion Ratio Lower Upper
228 100
226 30.6 24.2 36.4
229 23.8 15.9 23.9

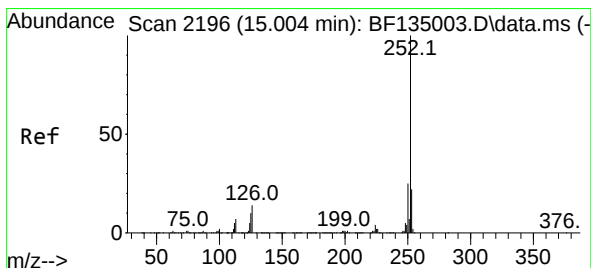
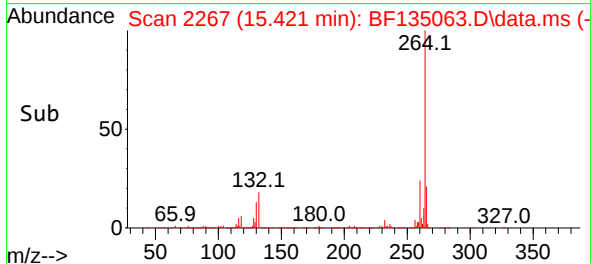
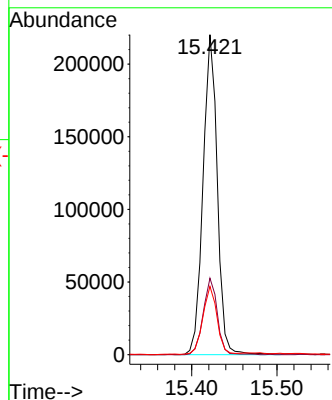
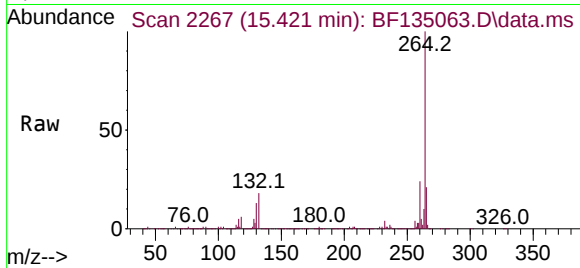




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF135063.D
Acq: 01 Sep 2023 02:45

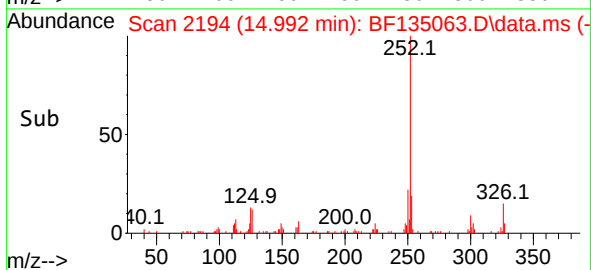
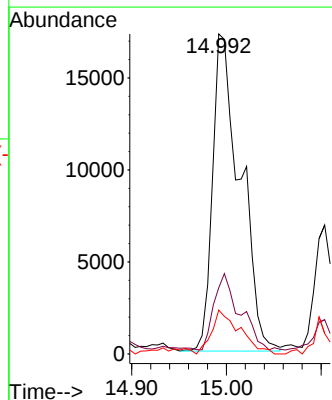
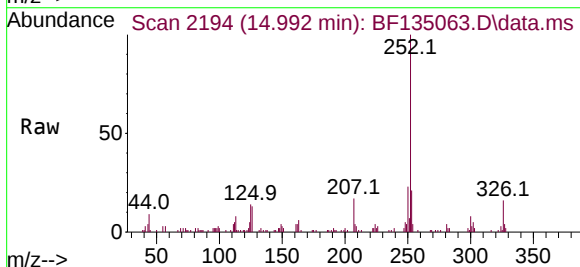
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB04-Z52-53DL2

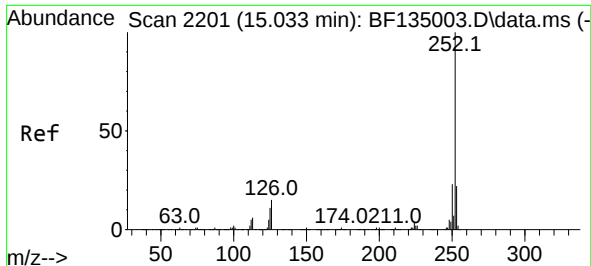
Tgt Ion:264 Resp: 255670
Ion Ratio Lower Upper
264 100
260 23.9 19.0 28.6
265 21.3 18.2 27.2



#88
Benzo(b)fluoranthene
Concen: 2.208 ng
RT: 14.992 min Scan# 2194
Delta R.T. -0.012 min
Lab File: BF135063.D
Acq: 01 Sep 2023 02:45

Tgt Ion:252 Resp: 35133
Ion Ratio Lower Upper
252 100
253 20.7 17.8 26.8
125 13.7 8.4 12.6#





#89

Benzo(k)fluoranthene

Concen: 2.286 ng

RT: 14.992 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF135063.D

Acq: 01 Sep 2023 02:45

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB04-Z52-53DL2

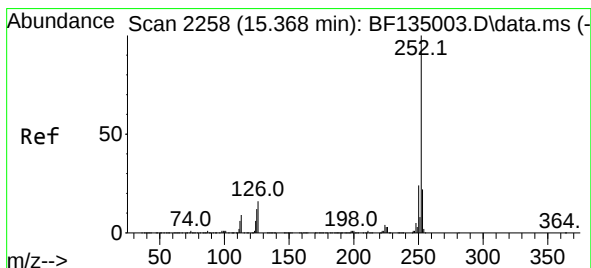
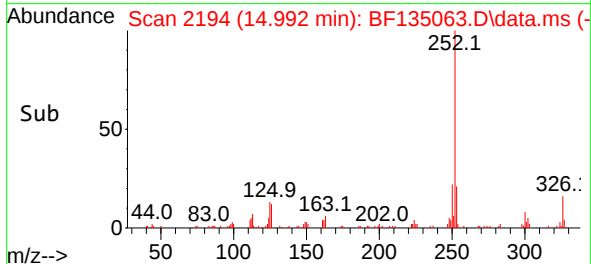
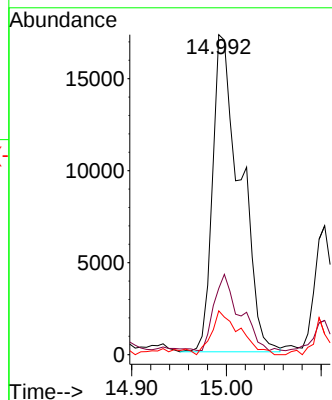
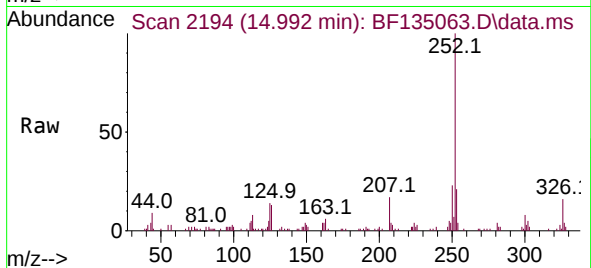
Tgt Ion:252 Resp: 35133

Ion Ratio Lower Upper

252 100

253 20.7 17.4 26.0

125 13.7 8.5 12.7#



#90

Benzo(a)pyrene

Concen: 2.062 ng

RT: 15.357 min Scan# 2256

Delta R.T. -0.012 min

Lab File: BF135063.D

Acq: 01 Sep 2023 02:45

Tgt Ion:252 Resp: 30479

Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.0

125 14.1 9.5 14.3

