

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090123\
 Data File : BF135084.D
 Acq On : 01 Sep 2023 19:17
 Operator : CG\JU
 Sample : 04093-03DL3 1000X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB04-Z83-84DL2

Quant Time: Sep 04 01:09:30 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)

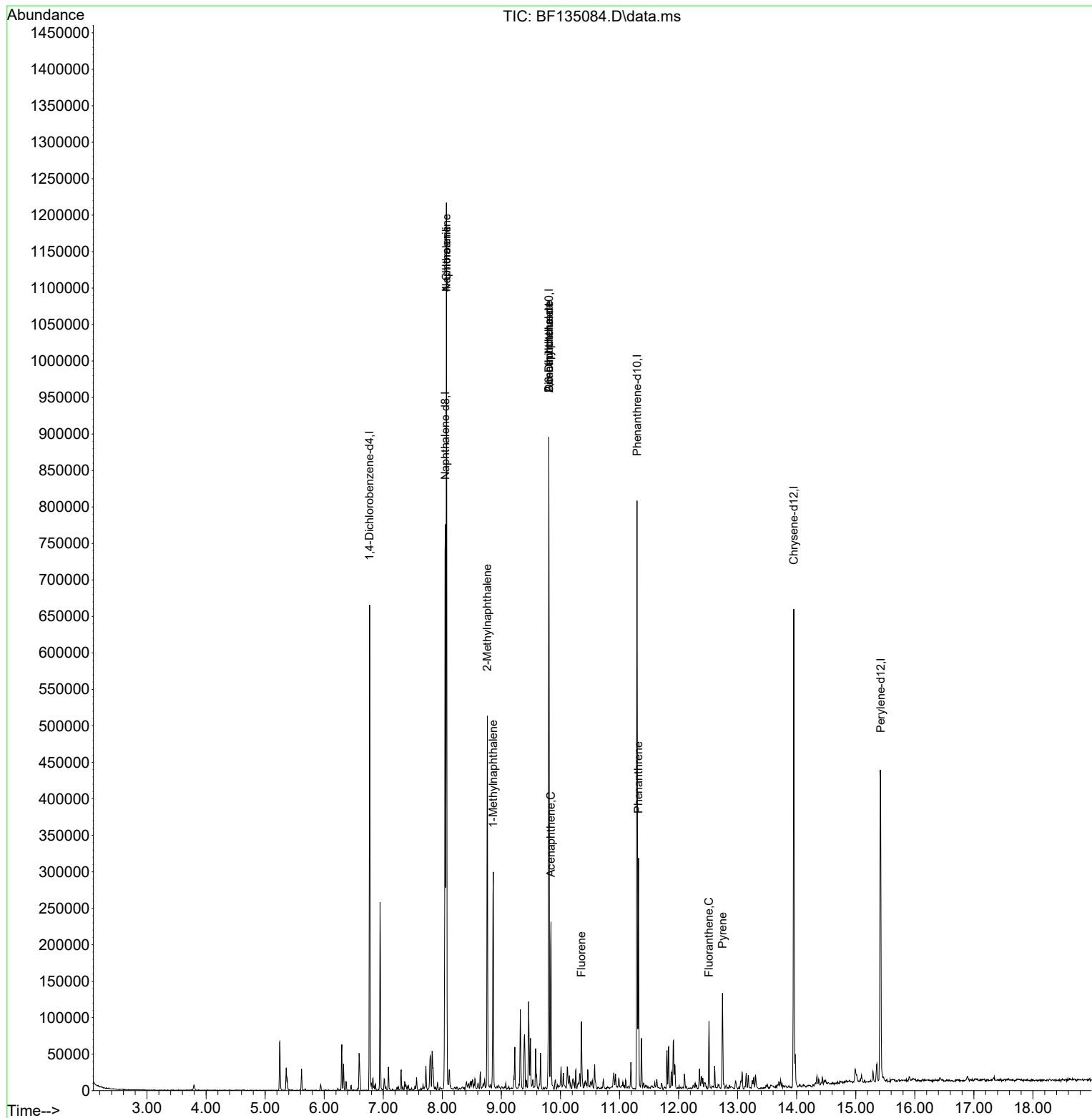
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	89115	20.000	ng	0.00
21) Naphthalene-d8	8.051	136	350170	20.000	ng	0.00
39) Acenaphthene-d10	9.804	164	167783	20.000	ng	-0.01
64) Phenanthrene-d10	11.298	188	272174	20.000	ng	-0.01
76) Chrysene-d12	13.951	240	195861	20.000	ng	-0.01
86) Perylene-d12	15.421	264	207399	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	54	0.009	ng	0.00
7) Phenol-d6	6.416	99	144	0.020	ng	0.00
23) Nitrobenzene-d5	7.328	82	274	0.044	ng	-0.02
42) 2,4,6-Tribromophenol	0.000	330	0	0.000	ng	
45) 2-Fluorobiphenyl	9.128	172	722	0.070	ng	-0.01
79) Terphenyl-d14	12.892	244	1025	0.085	ng	-0.01
Target Compounds					Qvalue	
31) Naphthalene	8.069	128	479517	28.033	ng	100
33) 4-Chloroaniline	8.069	127	63191	8.446	ng	# 34
37) 2-Methylnaphthalene	8.763	142	121230	10.622	ng	98
38) 1-Methylnaphthalene	8.863	142	78609	7.361	ng	99
50) Dimethylphthalate	9.804	163	32556	2.771	ng	# 1
51) 2,6-Dinitrotoluene	9.804	165	22507	8.731	ng	# 22
52) Acenaphthene	9.839	154	46416	4.998	ng	97
58) Fluorene	10.357	166	25149	2.463	ng	90
71) Phenanthrene	11.322	178	107855	7.681	ng	98
75) Fluoranthene	12.516	202	33337	2.348	ng	99
78) Pyrene	12.745	202	50791	2.731	ng	97

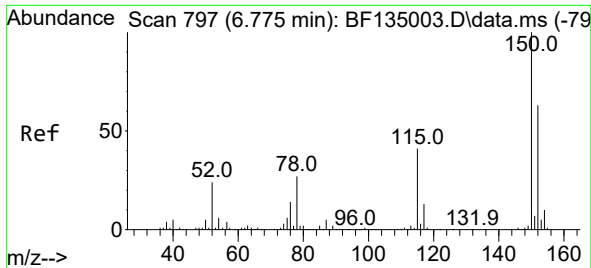
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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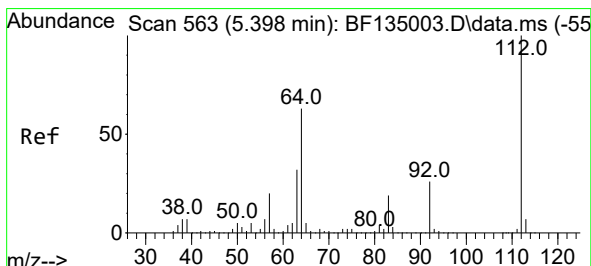
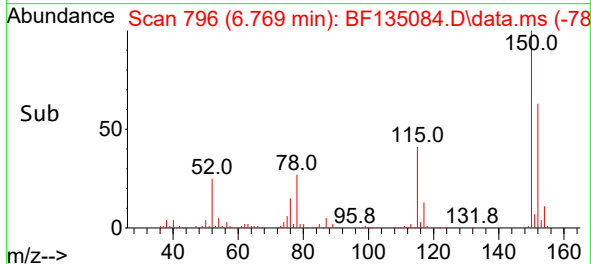
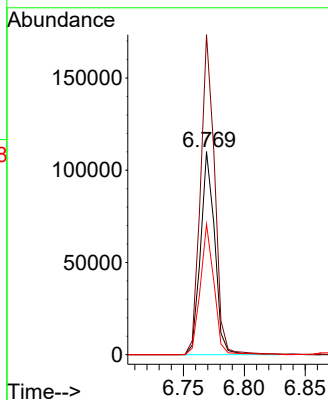
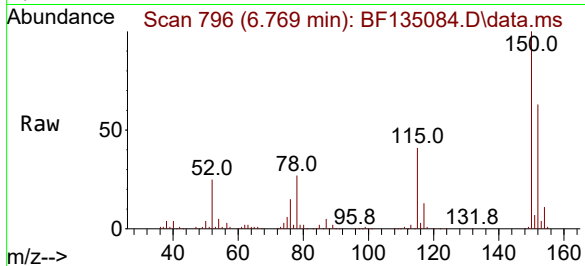




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.769 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF135084.D
Acq: 01 Sep 2023 19:17

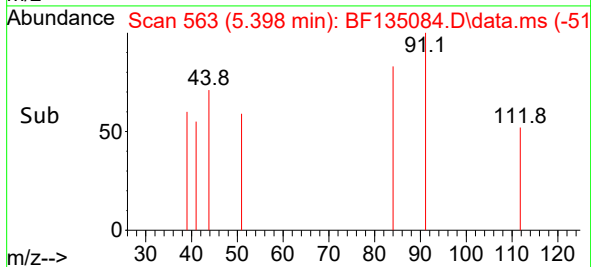
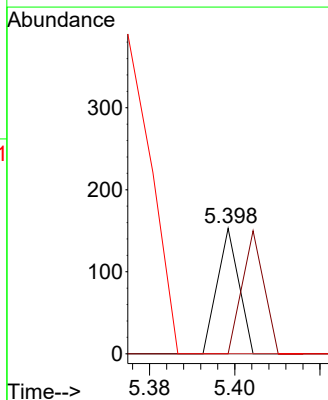
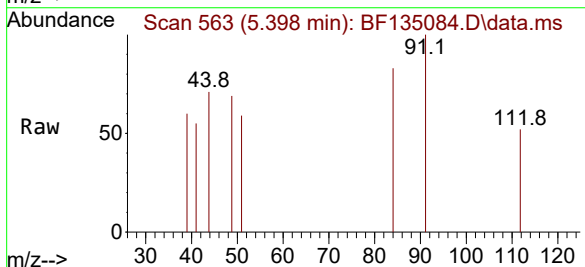
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB04-Z83-84DL2

Tgt Ion:152 Resp: 89115
Ion Ratio Lower Upper
152 100
150 157.6 126.2 189.4
115 64.3 51.2 76.8



#5
2-Fluorophenol
Concen: 0.009 ng
RT: 5.398 min Scan# 563
Delta R.T. 0.000 min
Lab File: BF135084.D
Acq: 01 Sep 2023 19:17

Tgt Ion:112 Resp: 54
Ion Ratio Lower Upper
112 100
64 0.0 50.5 75.7#
63 0.0 25.9 38.9#





#7

Phenol-d6

Concen: 0.020 ng

RT: 6.416 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF135084.D

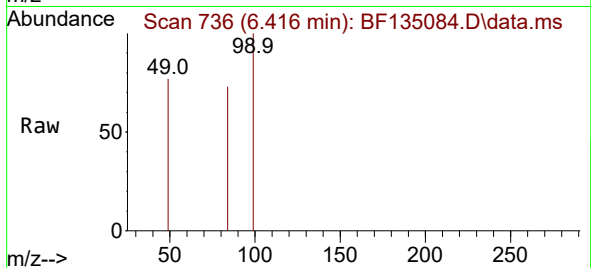
Acq: 01 Sep 2023 19:17

Instrument :

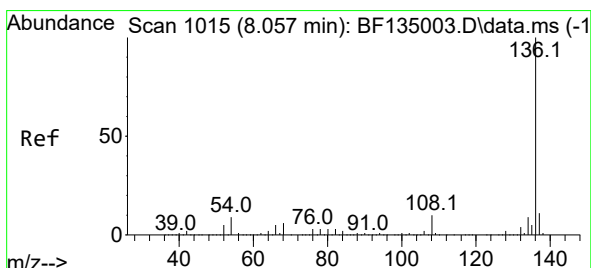
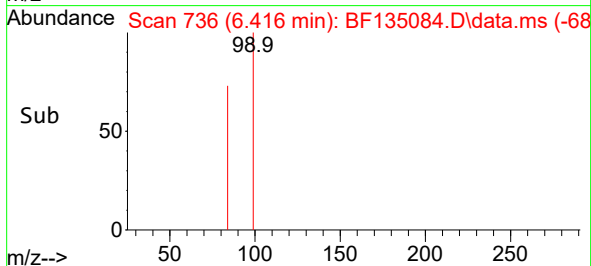
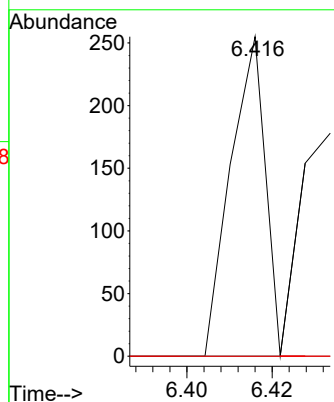
BNA_F

ClientSampleId :

NEVINS-SB04-Z83-84DL2



Tgt Ion:	99	Resp:	144
Ion	Ratio	Lower	Upper
99	100		
42	0.0	16.6	25.0#
71	0.0	27.0	40.6#



#21

Naphthalene-d8

Concen: 20.000 ng

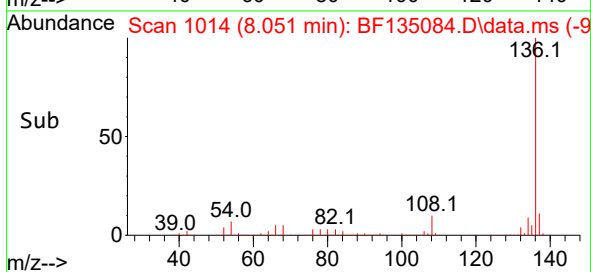
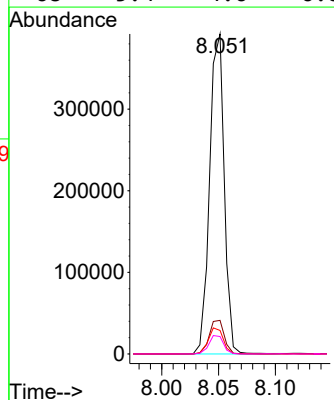
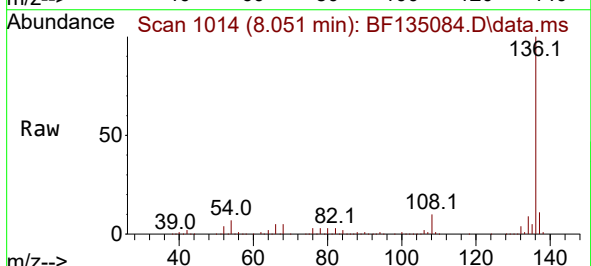
RT: 8.051 min Scan# 1014

Delta R.T. -0.006 min

Lab File: BF135084.D

Acq: 01 Sep 2023 19:17

Tgt Ion:	136	Resp:	350170
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.8	13.2
54	7.3	7.0	10.4
68	5.4	4.6	6.8

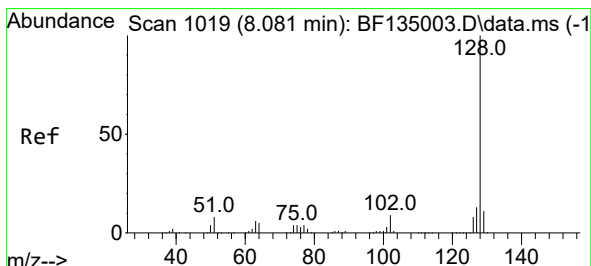
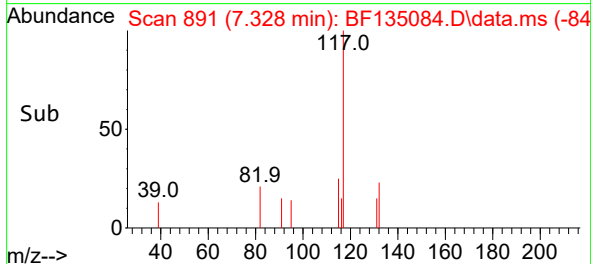
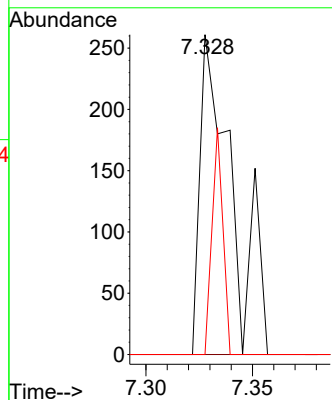
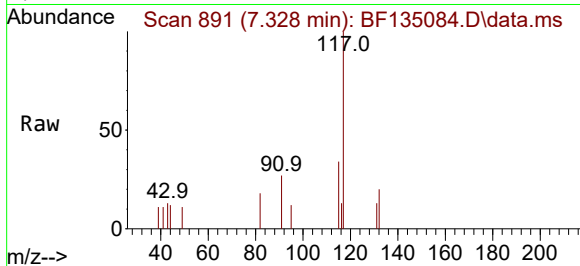




#23
Nitrobenzene-d5
Concen: 0.044 ng
RT: 7.328 min Scan# 891
Delta R.T. -0.018 min
Lab File: BF135084.D
Acq: 01 Sep 2023 19:17

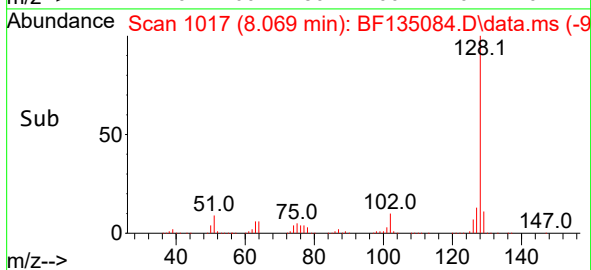
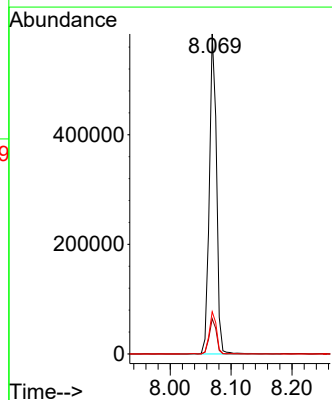
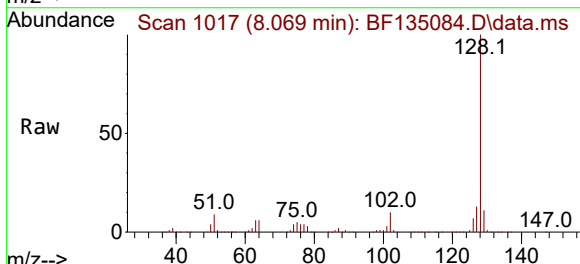
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB04-Z83-84DL2

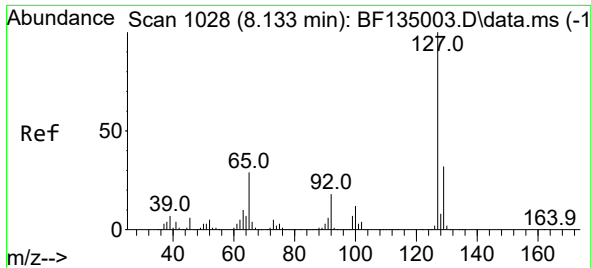
Tgt Ion: 82 Resp: 274
Ion Ratio Lower Upper
82 100
128 0.0 37.8 56.8#
54 0.0 45.0 67.6#



#31
Naphthalene
Concen: 28.033 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF135084.D
Acq: 01 Sep 2023 19:17

Tgt Ion:128 Resp: 479517
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 13.2 10.6 16.0

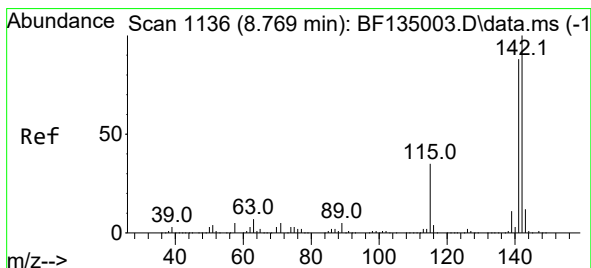
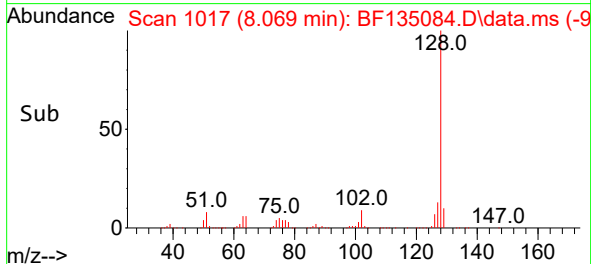
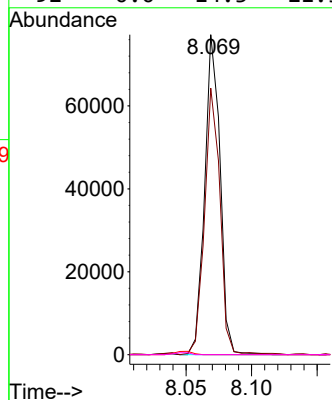
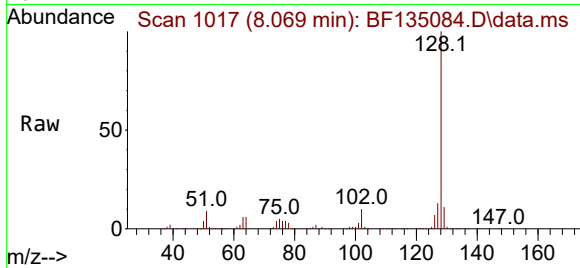




#33
4-Chloroaniline
Concen: 8.446 ng
RT: 8.069 min Scan# 1028
Delta R.T. -0.065 min
Lab File: BF135084.D
Acq: 01 Sep 2023 19:17

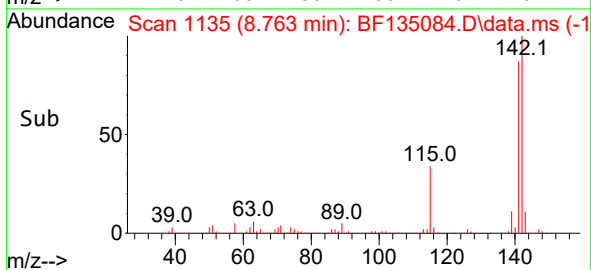
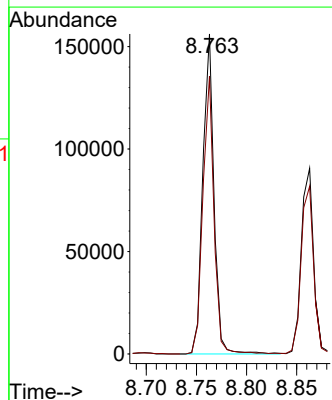
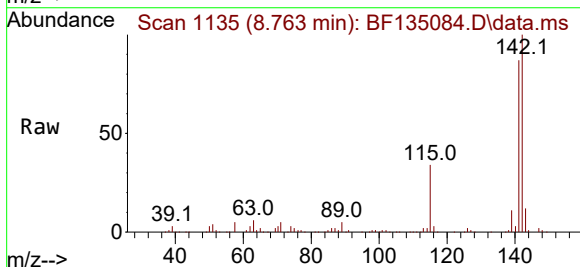
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB04-Z83-84DL2

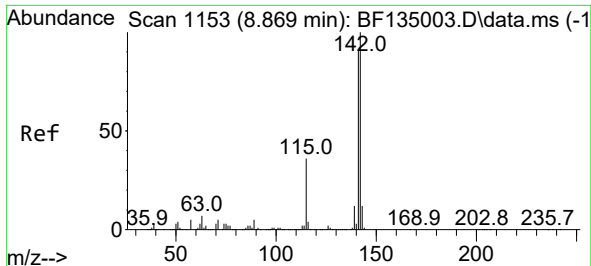
Tgt Ion:	127	Resp:	63191
Ion Ratio	Lower	Upper	
127	100		
129	83.3	25.6	38.4#
65	0.0	23.1	34.7#
92	0.0	14.3	21.5#



#37
2-Methylnaphthalene
Concen: 10.622 ng
RT: 8.763 min Scan# 1135
Delta R.T. -0.006 min
Lab File: BF135084.D
Acq: 01 Sep 2023 19:17

Tgt Ion:	142	Resp:	121230
Ion Ratio	Lower	Upper	
142	100		
141	86.8	70.7	106.1





#38

1-Methylnaphthalene

Concen: 7.361 ng

RT: 8.863 min Scan# 1152

Delta R.T. -0.006 min

Lab File: BF135084.D

Acq: 01 Sep 2023 19:17

Instrument :

BNA_F

ClientSampleId :

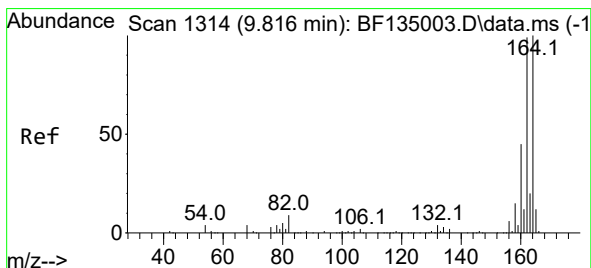
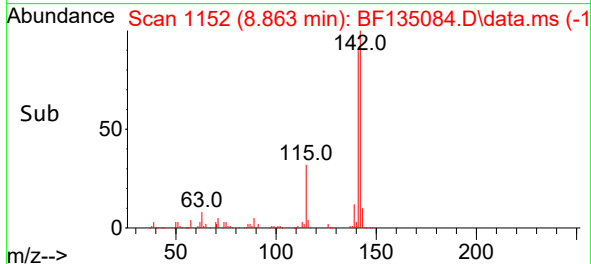
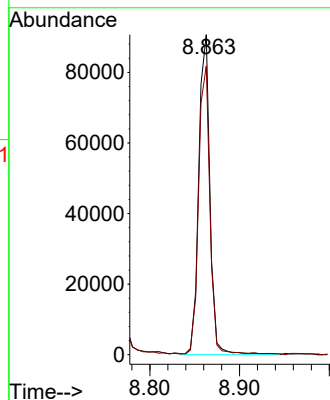
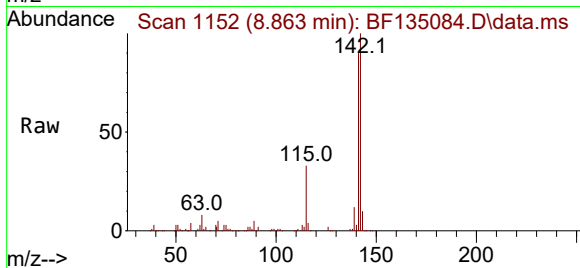
NEVINS-SB04-Z83-84DL2

Tgt Ion:142 Resp: 78609

Ion Ratio Lower Upper

142 100

141 90.3 73.0 109.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.804 min Scan# 1312

Delta R.T. -0.012 min

Lab File: BF135084.D

Acq: 01 Sep 2023 19:17

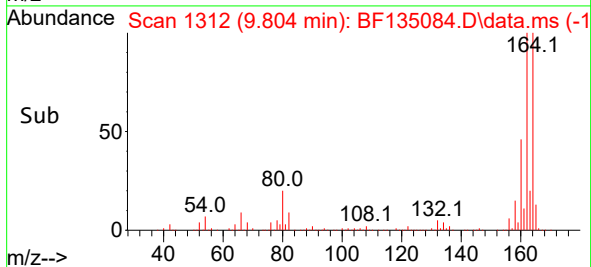
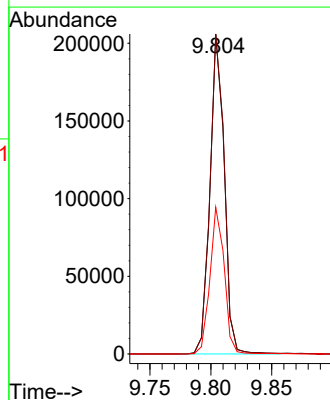
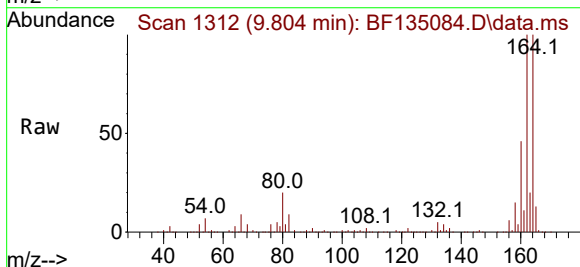
Tgt Ion:164 Resp: 167783

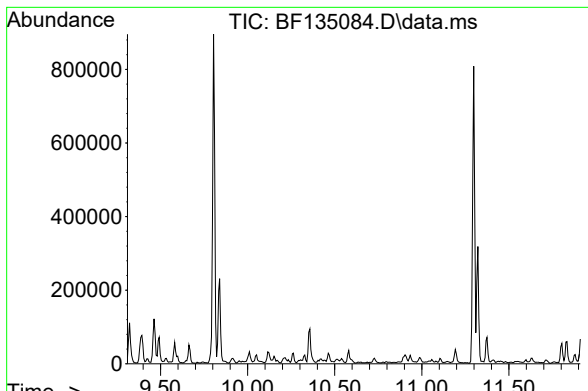
Ion Ratio Lower Upper

164 100

162 100.2 79.5 119.3

160 45.9 36.0 54.0



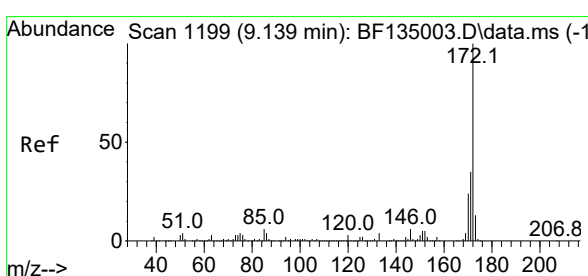
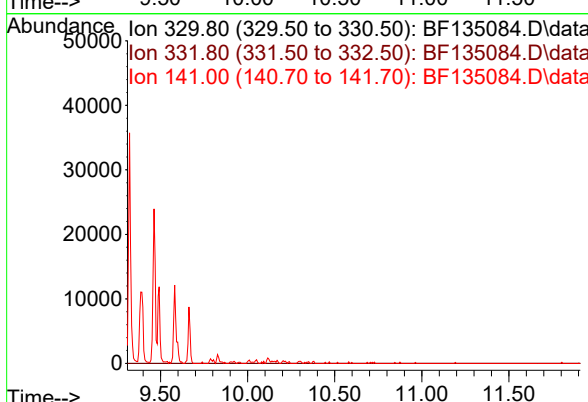


#42
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 10.61 min
 Lab File: BF135084.D
 Acq: 01 Sep 2023 19:17

Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB04-Z83-84DL2

Tgt Ion: 330

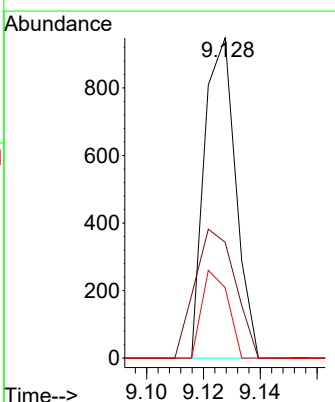
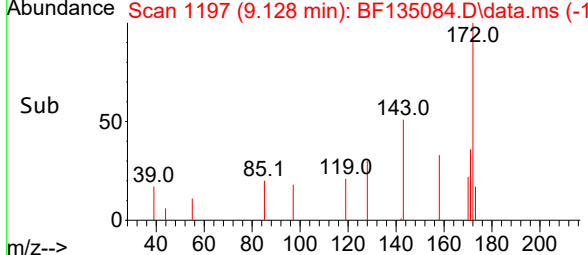
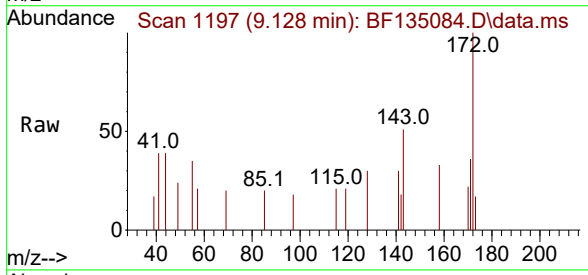
Sig	Exp Ratio
330	100
332	97.0
141	32.9

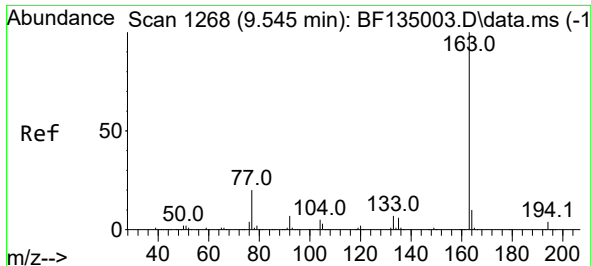


#45
 2-Fluorobiphenyl
 Concen: 0.070 ng
 RT: 9.128 min Scan# 1197
 Delta R.T. -0.012 min
 Lab File: BF135084.D
 Acq: 01 Sep 2023 19:17

Tgt Ion: 172 Resp: 722

Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.2	42.2
170	22.0	19.0	28.4

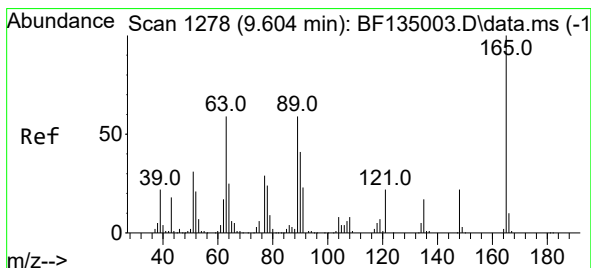
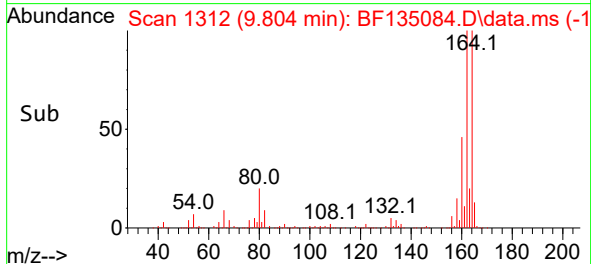
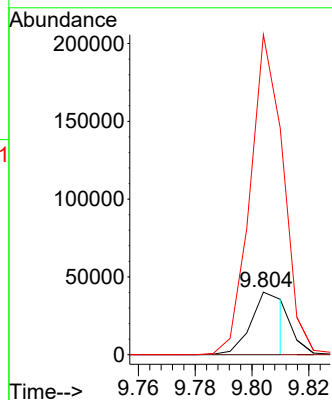
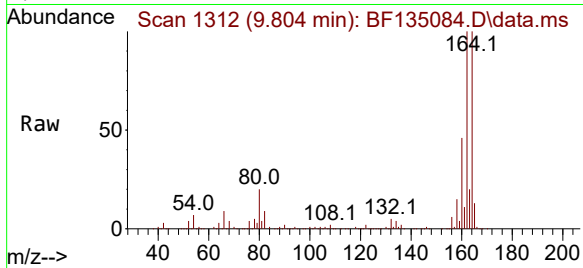




#50
Dimethylphthalate
Concen: 2.771 ng
RT: 9.804 min Scan# 1312
Delta R.T. 0.259 min
Lab File: BF135084.D
Acq: 01 Sep 2023 19:17

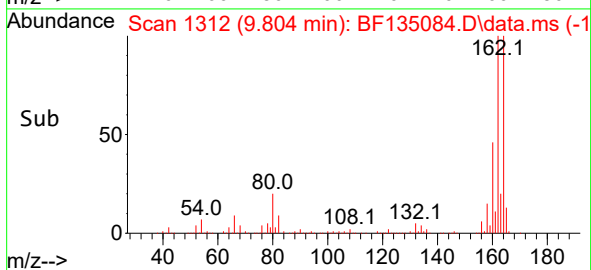
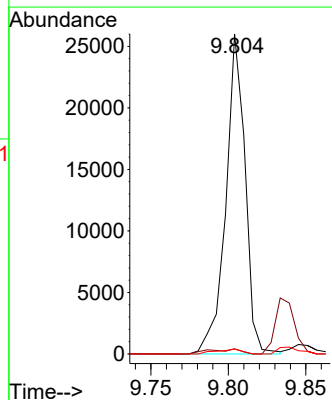
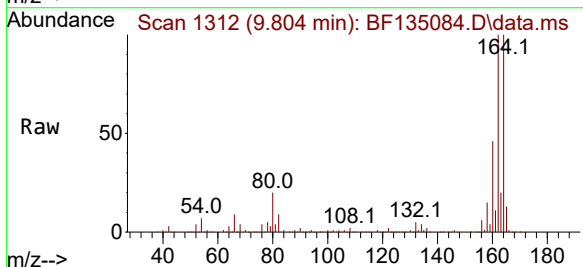
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB04-Z83-84DL2

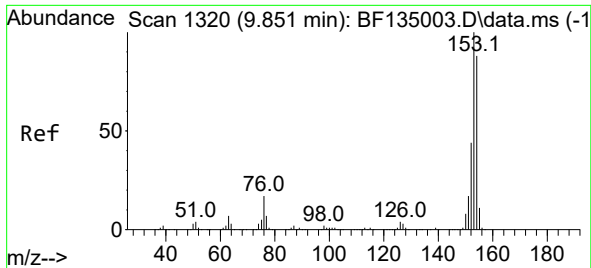
Tgt Ion:163 Resp: 32556
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 510.9 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.731 ng
RT: 9.804 min Scan# 1312
Delta R.T. 0.200 min
Lab File: BF135084.D
Acq: 01 Sep 2023 19:17

Tgt Ion:165 Resp: 22507
Ion Ratio Lower Upper
165 100
63 1.6 50.4 75.6#
89 1.6 47.1 70.7#

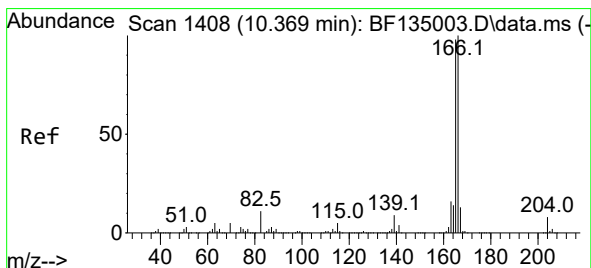
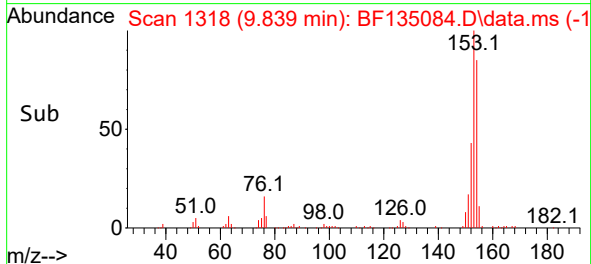
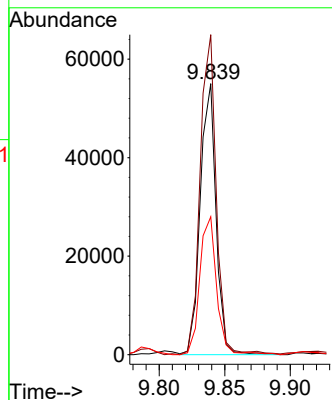
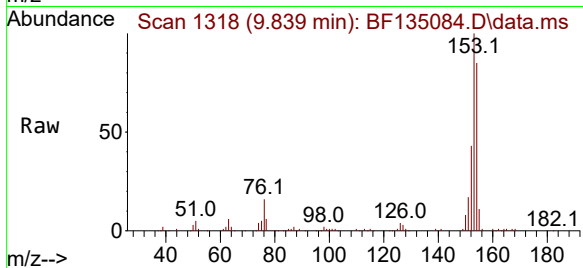




#52
Acenaphthene
Concen: 4.998 ng
RT: 9.839 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135084.D
Acq: 01 Sep 2023 19:17

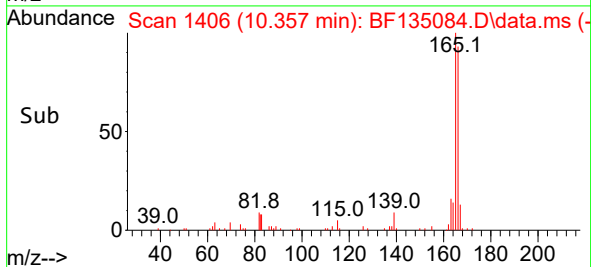
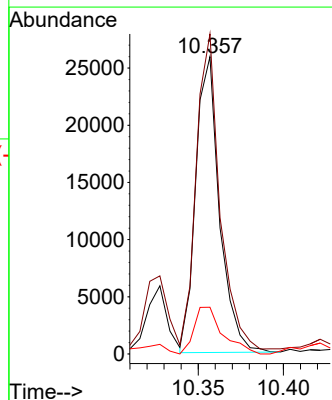
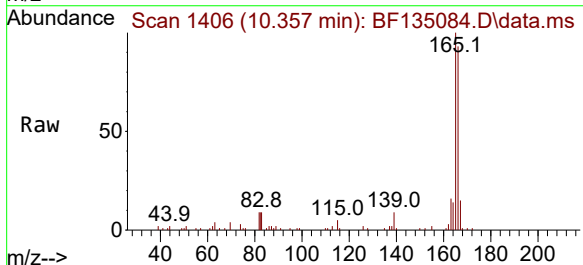
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB04-Z83-84DL2

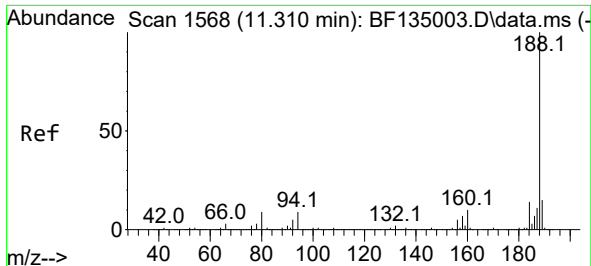
Tgt Ion:154 Resp: 46416
Ion Ratio Lower Upper
154 100
153 118.1 90.8 136.2
152 50.9 40.2 60.4



#58
Fluorene
Concen: 2.463 ng
RT: 10.357 min Scan# 1406
Delta R.T. -0.012 min
Lab File: BF135084.D
Acq: 01 Sep 2023 19:17

Tgt Ion:166 Resp: 25149
Ion Ratio Lower Upper
166 100
165 107.6 78.0 117.0
167 15.7 10.8 16.2

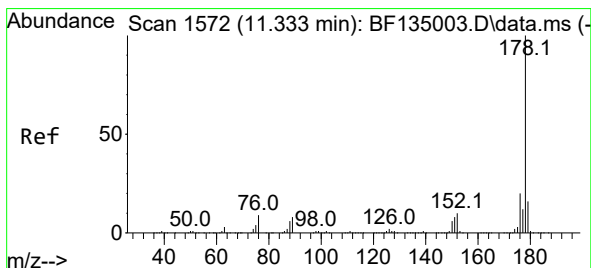
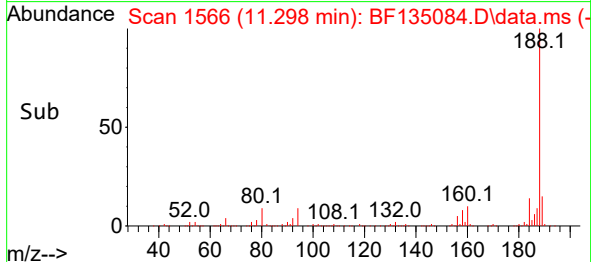
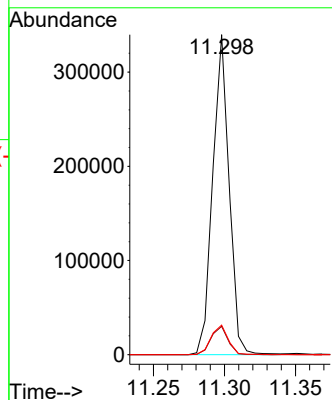
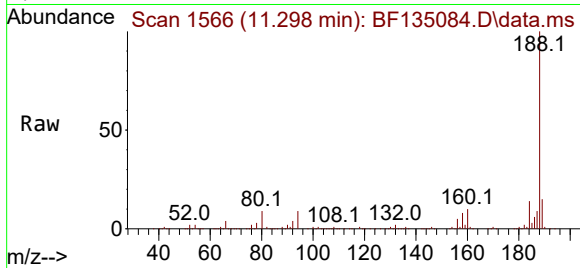




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF135084.D
Acq: 01 Sep 2023 19:17

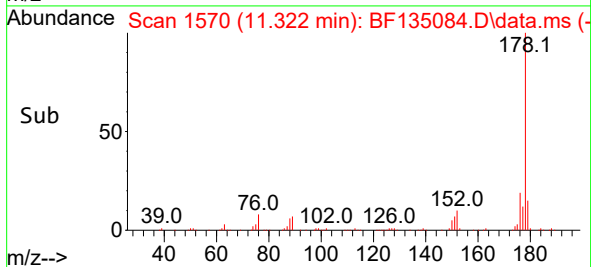
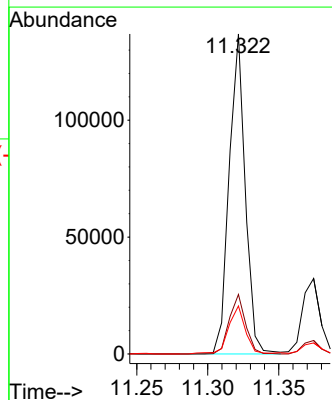
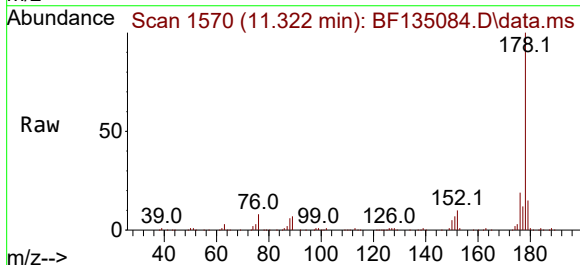
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB04-Z83-84DL2

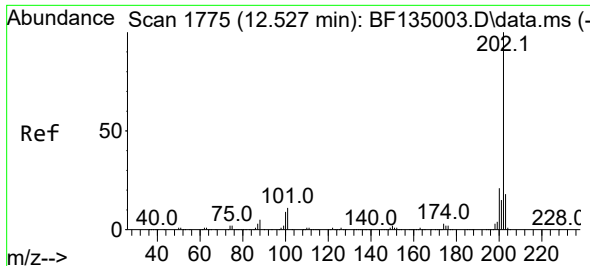
Tgt Ion:188 Resp: 272174
Ion Ratio Lower Upper
188 100
94 8.9 7.0 10.4
80 9.2 7.4 11.2



#71
Phenanthrene
Concen: 7.681 ng
RT: 11.322 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF135084.D
Acq: 01 Sep 2023 19:17

Tgt Ion:178 Resp: 107855
Ion Ratio Lower Upper
178 100
176 18.6 15.9 23.9
179 15.0 12.5 18.7

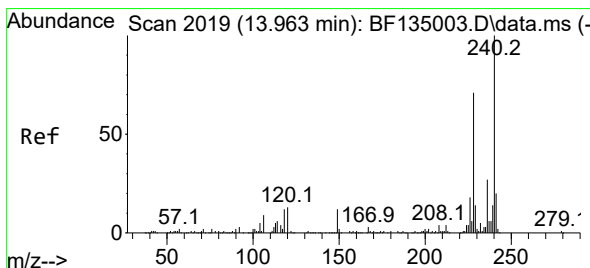
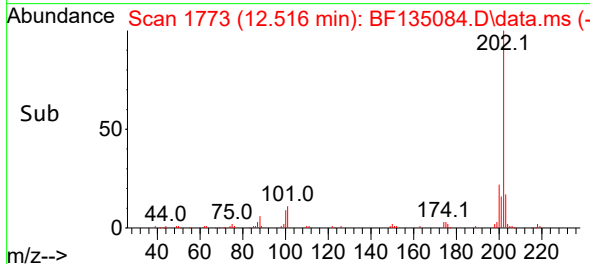
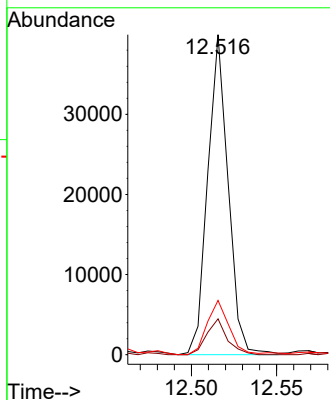
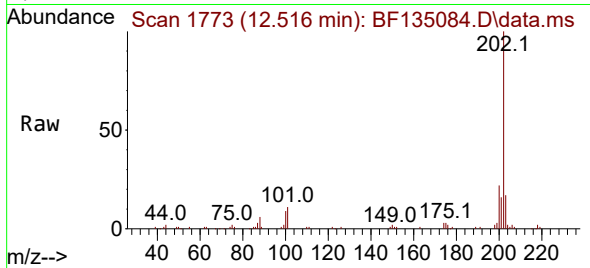




#75
Fluoranthene
Concen: 2.348 ng
RT: 12.516 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135084.D
Acq: 01 Sep 2023 19:17

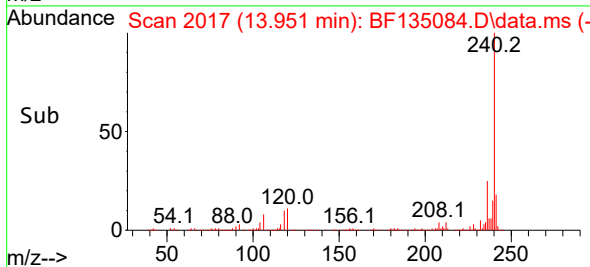
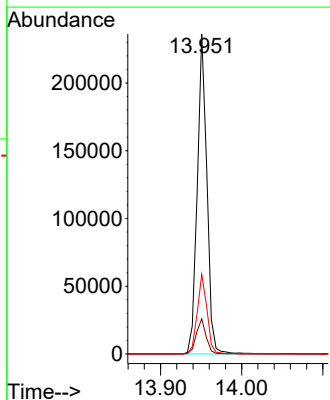
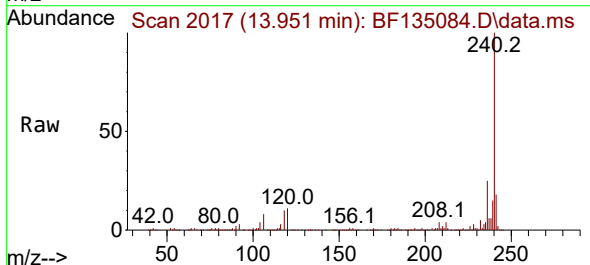
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB04-Z83-84DL2

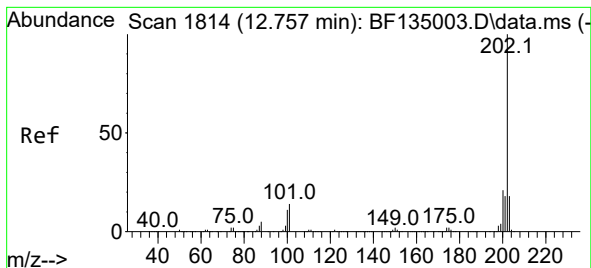
Tgt Ion:202 Resp: 33337
Ion Ratio Lower Upper
202 100
101 11.2 0.0 31.5
203 16.9 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2017
Delta R.T. -0.012 min
Lab File: BF135084.D
Acq: 01 Sep 2023 19:17

Tgt Ion:240 Resp: 195861
Ion Ratio Lower Upper
240 100
120 11.0 10.2 15.2
236 24.9 21.3 31.9





#78

Pyrene

Concen: 2.731 ng

RT: 12.745 min Scan# 1812

Delta R.T. -0.012 min

Lab File: BF135084.D

Acq: 01 Sep 2023 19:17

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB04-Z83-84DL2

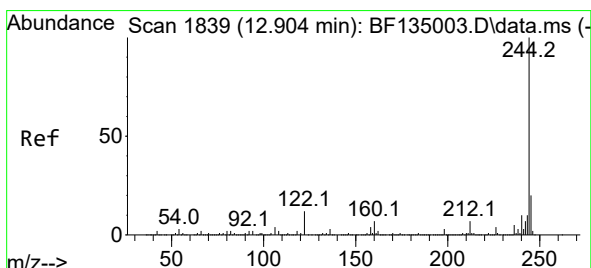
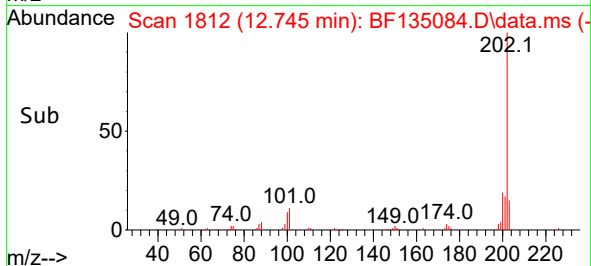
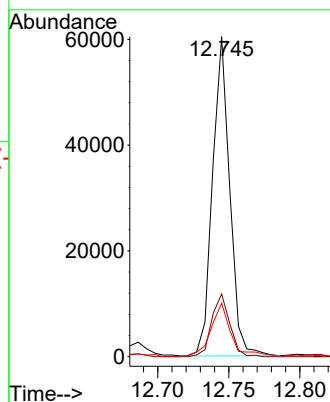
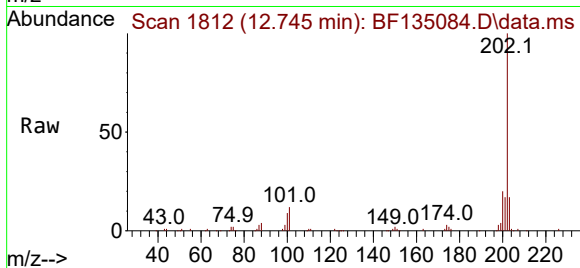
Tgt Ion:202 Resp: 50791

Ion Ratio Lower Upper

202 100

200 19.6 17.0 25.6

203 16.7 14.2 21.2



#79

Terphenyl-d14

Concen: 0.085 ng

RT: 12.892 min Scan# 1837

Delta R.T. -0.012 min

Lab File: BF135084.D

Acq: 01 Sep 2023 19:17

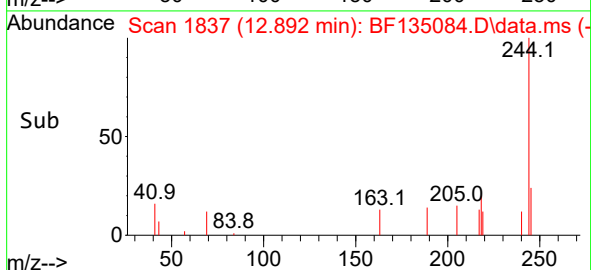
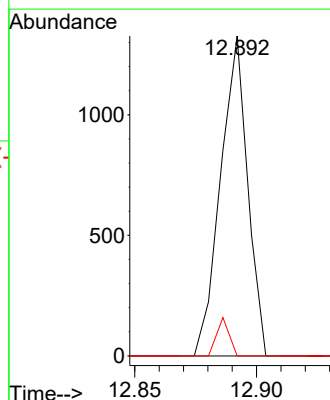
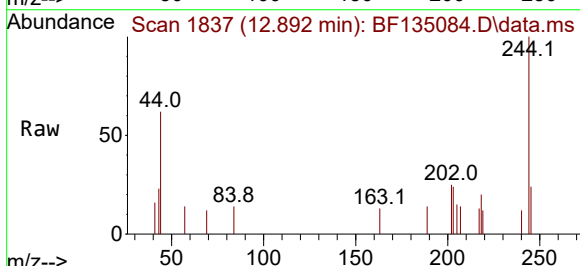
Tgt Ion:244 Resp: 1025

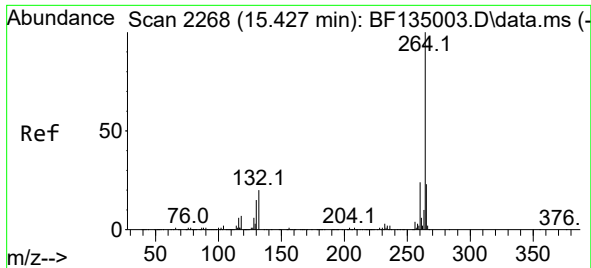
Ion Ratio Lower Upper

244 100

212 0.0 5.6 8.4#

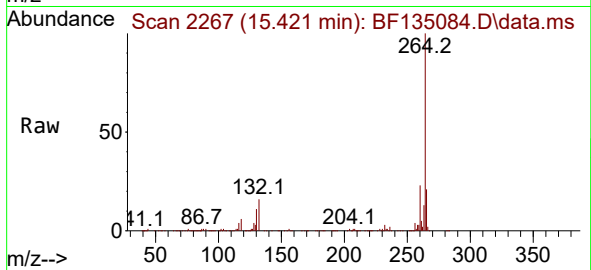
122 0.0 9.8 14.6#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF135084.D
Acq: 01 Sep 2023 19:17

Instrument :
BNA_F
ClientSampleId :
NEVINS-SB04-Z83-84DL2



Tgt Ion:264 Resp: 207399
Ion Ratio Lower Upper
264 100
260 22.7 19.0 28.6
265 20.8 18.2 27.2

