

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081623\
 Data File : BF134807.D
 Acq On : 16 Aug 2023 14:16
 Operator : CG\JU
 Sample : 04014-04DL2 200X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB06-Z84-85DL2

Quant Time: Aug 17 01:33:04 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)

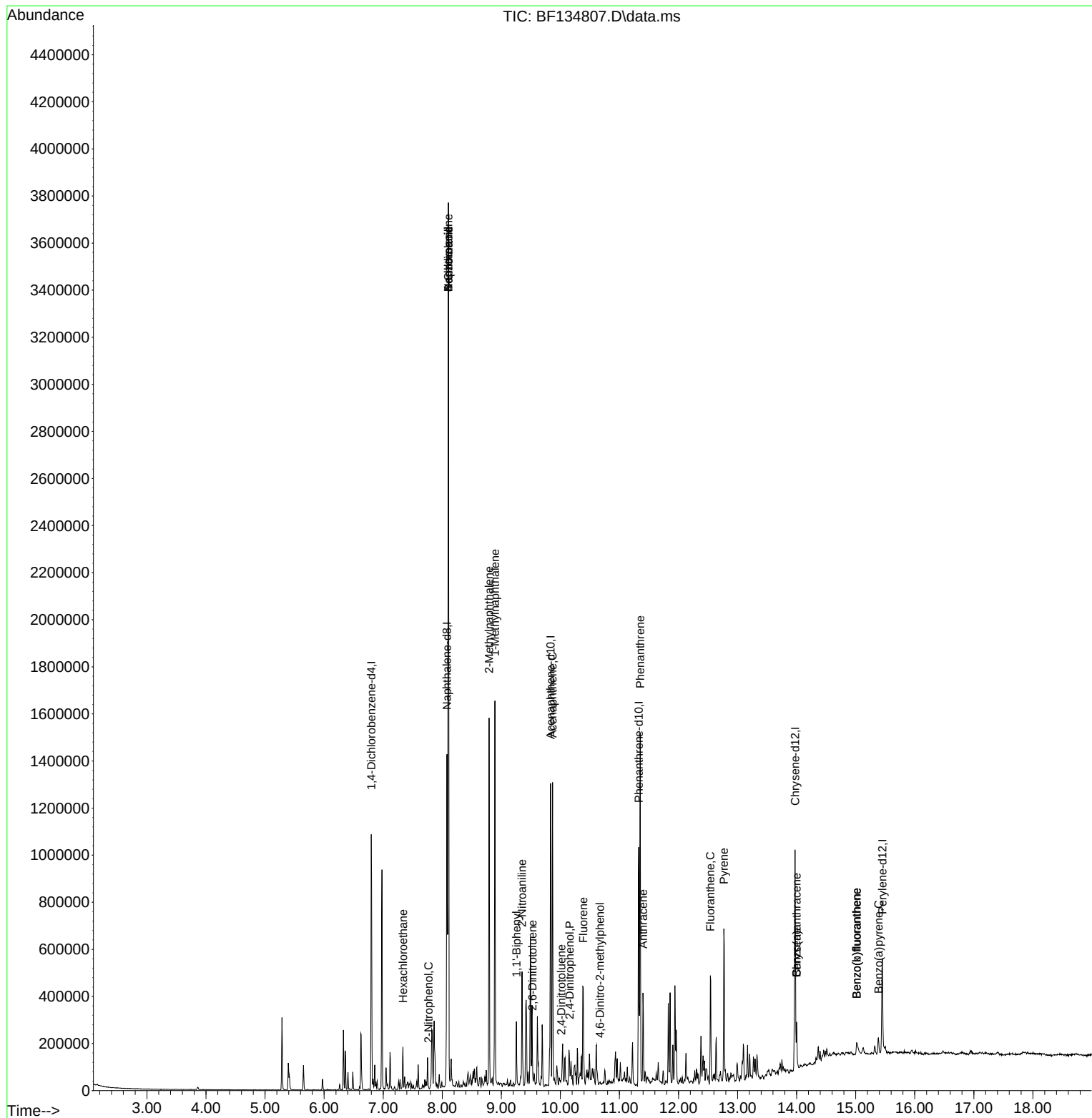
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	156427	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	586433	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	253040	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	377372	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	273890	20.000	ng	# 0.00
86) Perylene-d12	15.451	264	202294	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	2163	0.210	ng	0.00
7) Phenol-d6	6.428	99	2501	0.190	ng	-0.01
23) Nitrobenzene-d5	7.604	82	284	0.030	ng	0.24
42) 2,4,6-Tribromophenol	10.627	330	384	0.149	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	5016	0.330	ng	-0.01
79) Terphenyl-d14	12.916	244	5007	0.322	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.357	77	6160	Below Cal	#	1
18) Hexachloroethane	7.334	117	8321	2.203	ng	# 1
26) 2-Nitrophenol	7.769	139	58	4.804	ng	# 29
31) Naphthalene	8.104	128	1487748	50.478	ng	99
32) Benzoic acid	8.104	122	3786	8.398	ng	# 1
33) 4-Chloroaniline	8.104	127	197708	15.055	ng	# 33
37) 2-Methylnaphthalene	8.792	142	377849	19.341	ng	99
38) 1-Methylnaphthalene	8.892	142	379131	20.870	ng	98
46) 1,1'-Biphenyl	9.257	154	78762	4.003	ng	96
48) 2-Nitroaniline	9.351	65	2553	3.685	ng	# 42
51) 2,6-Dinitrotoluene	9.528	165	1557	2.913	ng	# 48
52) Acenaphthene	9.869	154	249007	16.579	ng	99
54) 2,4-Dinitrophenol	10.157	184	228	6.998	ng	# 1
57) 2,4-Dinitrotoluene	10.016	165	1751	3.237	ng	# 46
58) Fluorene	10.386	166	127646	8.196	ng	93
65) 4,6-Dinitro-2-methylph...	10.669	198	206	8.810	ng	# 1
71) Phenanthrene	11.351	178	528065	26.345	ng	99
72) Anthracene	11.398	178	147221	7.190	ng	99
75) Fluoranthene	12.539	202	182867	8.637	ng	95
78) Pyrene	12.769	202	271675	11.463	ng	96
81) Benzo(a)anthracene	13.998	228	75855	3.873	ng	97
83) Chrysene	13.998	228	75855	3.976	ng	96
88) Benzo(b)fluoranthene	15.015	252	42009	3.405	ng	# 87
89) Benzo(k)fluoranthene	15.015	252	42009	3.418	ng	# 89
90) Benzo(a)pyrene	15.386	252	36230	3.149	ng	# 90

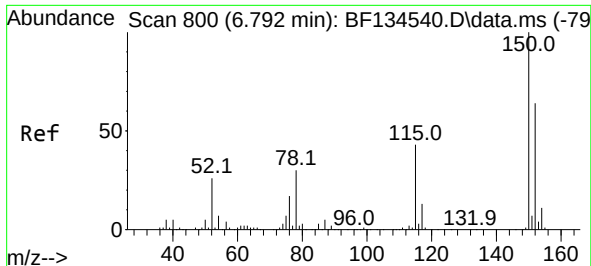
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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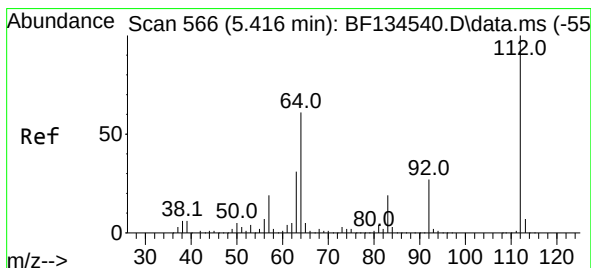
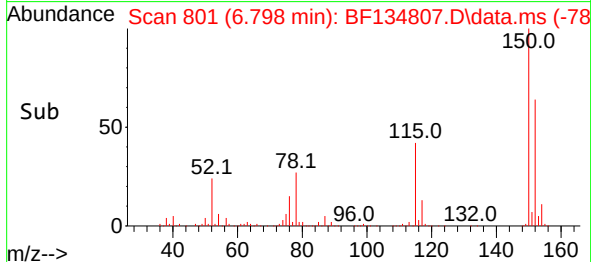
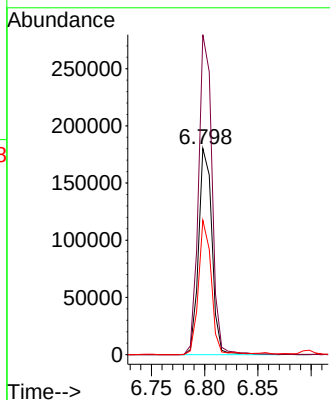
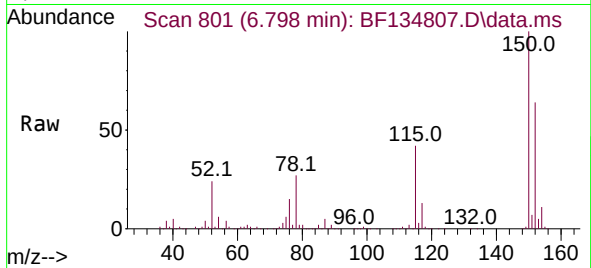




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134807.D
Acq: 16 Aug 2023 14:16

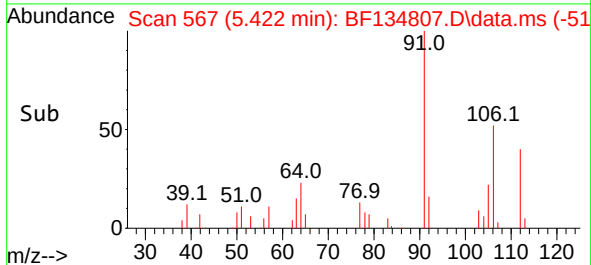
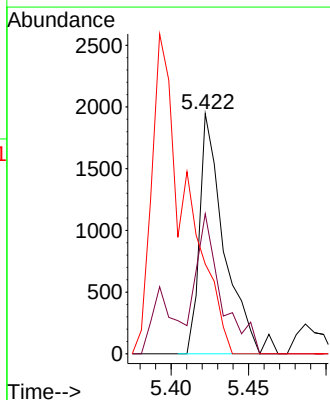
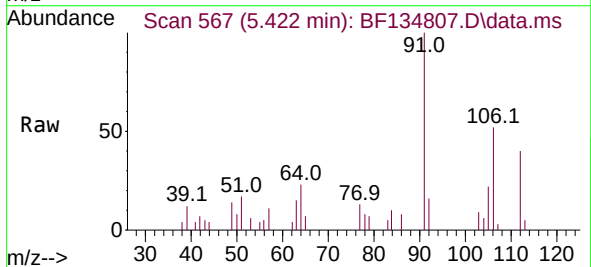
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z84-85DL2

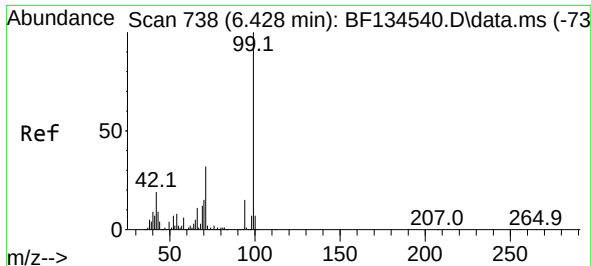
Tgt Ion:152 Resp: 156427
Ion Ratio Lower Upper
152 100
150 155.3 128.3 192.5
115 65.2 52.4 78.6



#5
2-Fluorophenol
Concen: 0.210 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF134807.D
Acq: 16 Aug 2023 14:16

Tgt Ion:112 Resp: 2163
Ion Ratio Lower Upper
112 100
64 58.3 44.9 67.3
63 37.4 25.4 38.0





#7

Phenol-d6

Concen: 0.190 ng

RT: 6.428 min Scan# 738

Delta R.T. -0.012 min

Lab File: BF134807.D

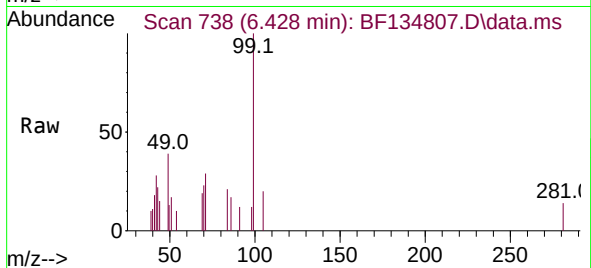
Acq: 16 Aug 2023 14:16

Instrument :

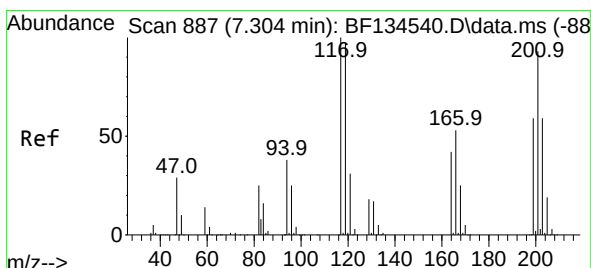
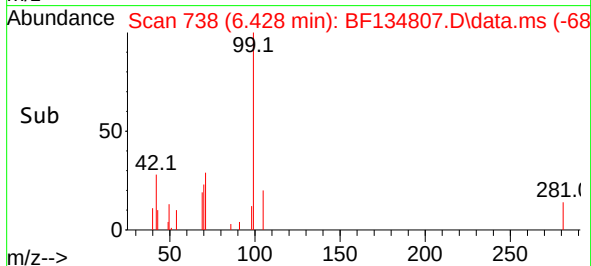
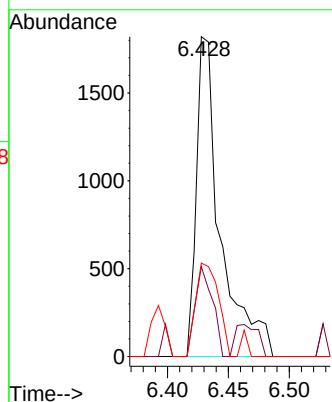
BNA_F

ClientSampleId :

NEVINS-SB06-Z84-85DL2



Tgt Ion:	99	Resp:	2501
Ion	Ratio	Lower	Upper
99	100		
42	28.1	18.7	28.1#
71	29.2	36.4	54.6#



#18

Hexachloroethane

Concen: 2.203 ng

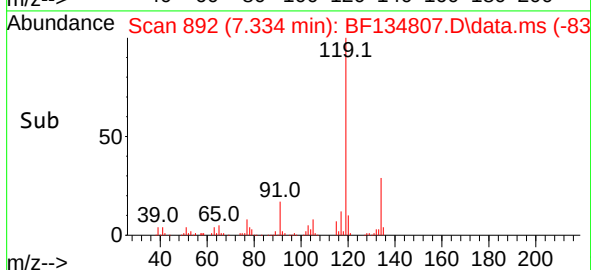
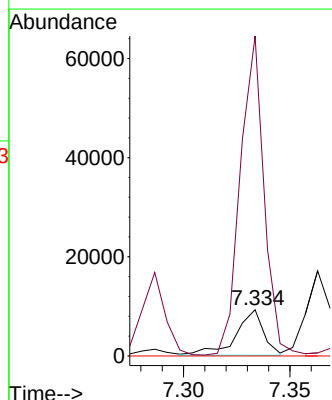
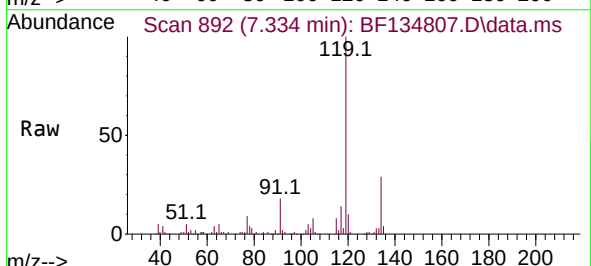
RT: 7.334 min Scan# 892

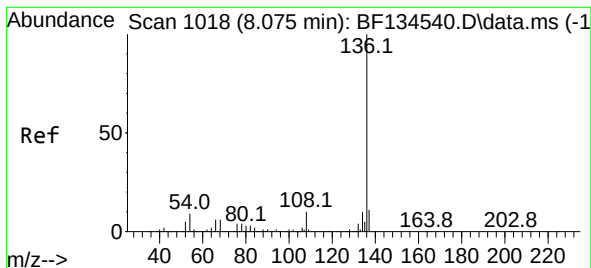
Delta R.T. 0.024 min

Lab File: BF134807.D

Acq: 16 Aug 2023 14:16

Tgt Ion:	117	Resp:	8321
Ion	Ratio	Lower	Upper
117	100		
119	692.6	75.8	113.8#
201	0.0	73.6	110.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.081 min Scan# 10

Delta R.T. 0.000 min

Lab File: BF134807.D

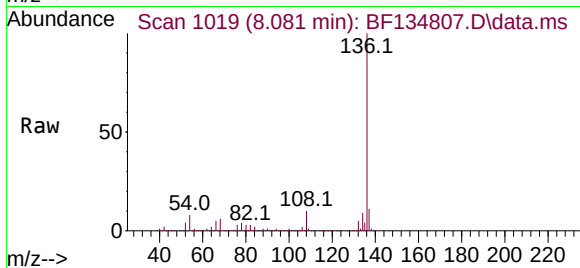
Acq: 16 Aug 2023 14:16

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB06-Z84-85DL2



Tgt Ion:136 Resp: 586433

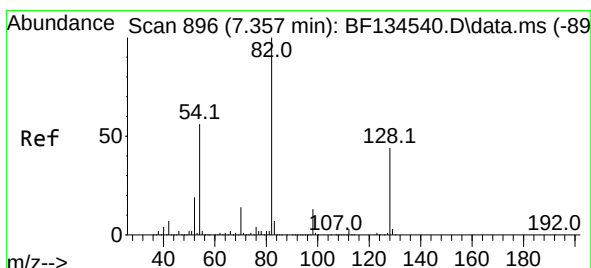
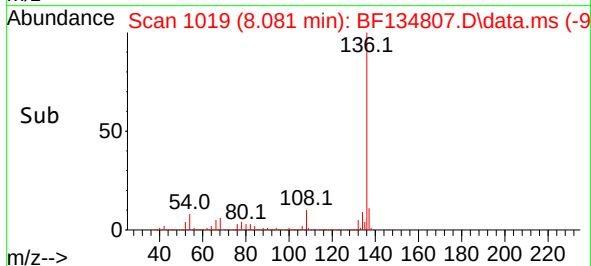
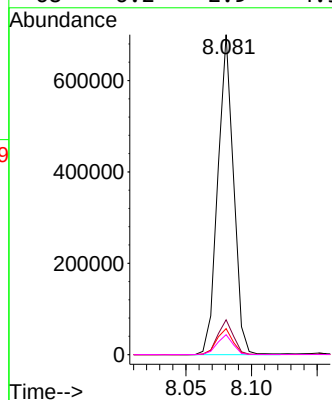
Ion Ratio Lower Upper

136 100

137 10.9 8.4 12.6

54 8.1 5.2 7.8#

68 6.2 2.9 4.3#



#23

Nitrobenzene-d5

Concen: 0.030 ng

RT: 7.604 min Scan# 938

Delta R.T. 0.235 min

Lab File: BF134807.D

Acq: 16 Aug 2023 14:16

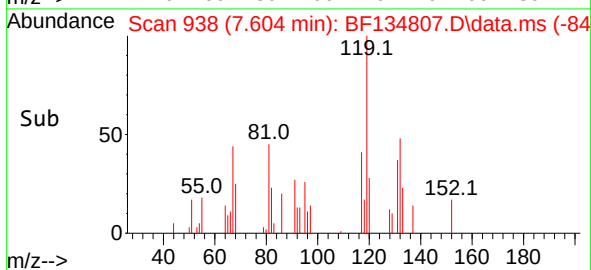
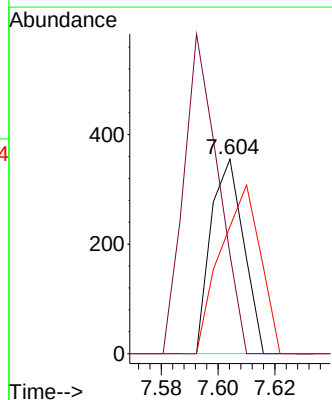
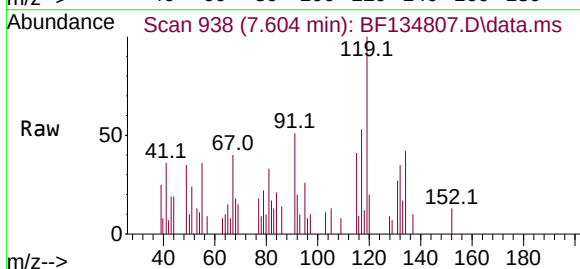
Tgt Ion: 82 Resp: 284

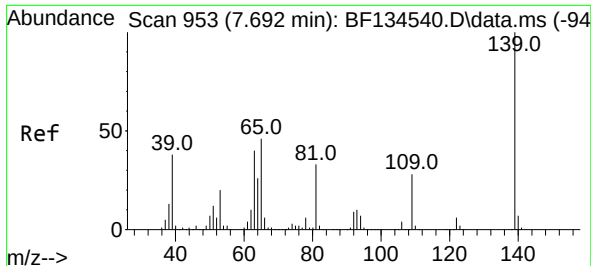
Ion Ratio Lower Upper

82 100

128 51.0 34.3 51.5

54 65.4 43.8 65.6

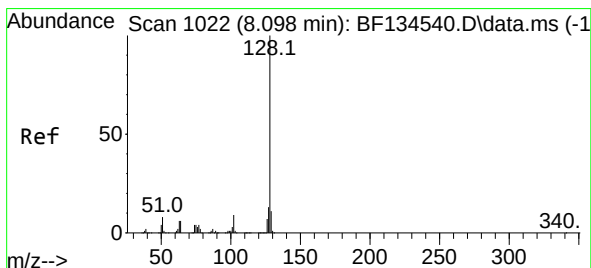
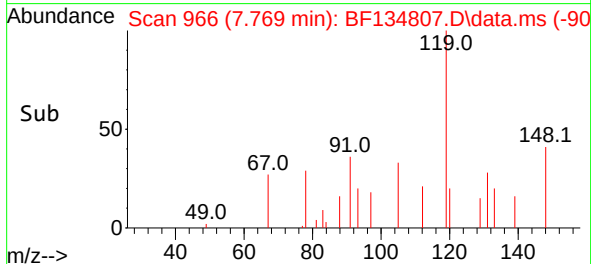
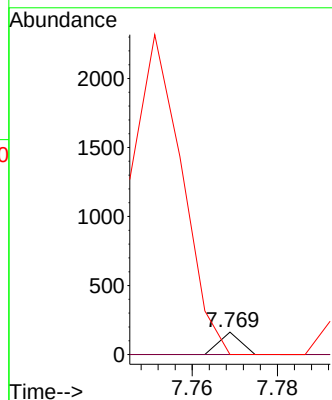
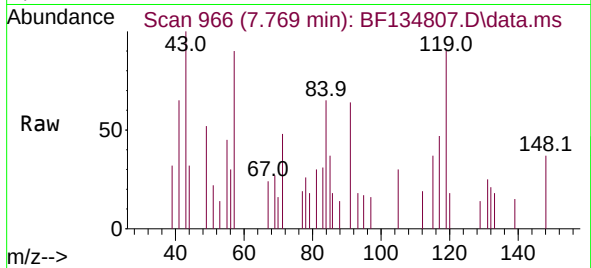




#26
2-Nitrophenol
Concen: 4.804 ng
RT: 7.769 min Scan# 90
Delta R.T. 0.071 min
Lab File: BF134807.D
Acq: 16 Aug 2023 14:16

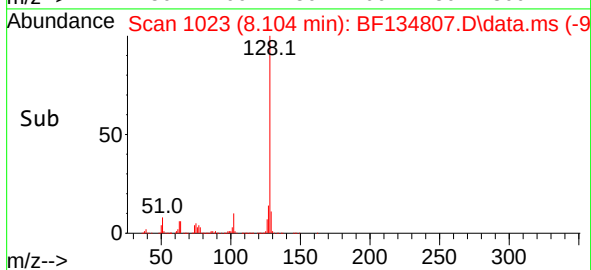
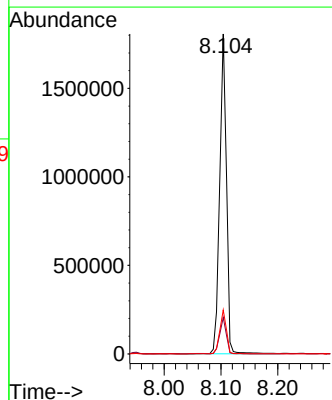
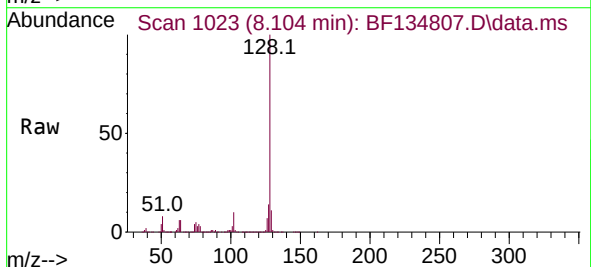
Instrument :
BNA_F
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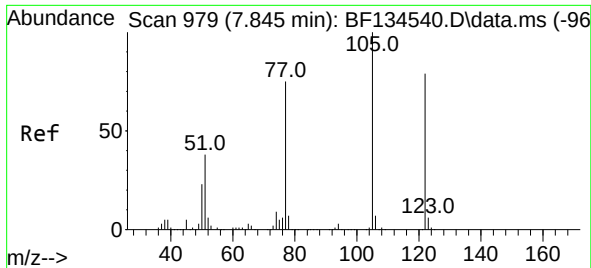
Tgt Ion:139 Resp: 58
Ion Ratio Lower Upper
139 100
109 0.0 29.8 44.6#
65 0.0 45.4 68.2#



#31
Naphthalene
Concen: 50.478 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF134807.D
Acq: 16 Aug 2023 14:16

Tgt Ion:128 Resp: 1487748
Ion Ratio Lower Upper
128 100
129 11.4 8.4 12.6
127 13.7 10.7 16.1

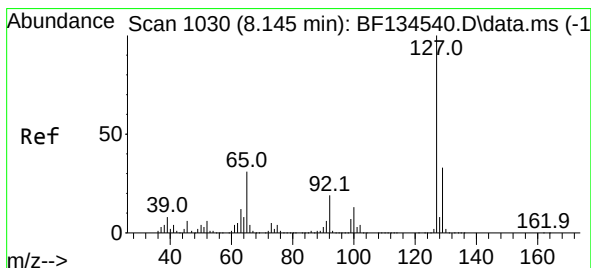
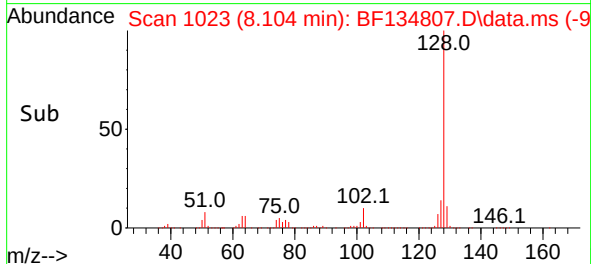
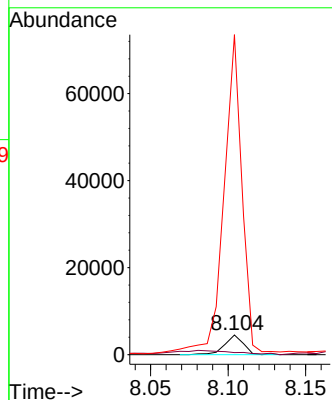
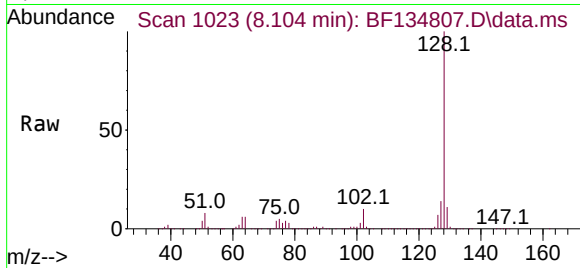




#32
Benzoic acid
Concen: 8.398 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.241 min
Lab File: BF134807.D
Acq: 16 Aug 2023 14:16

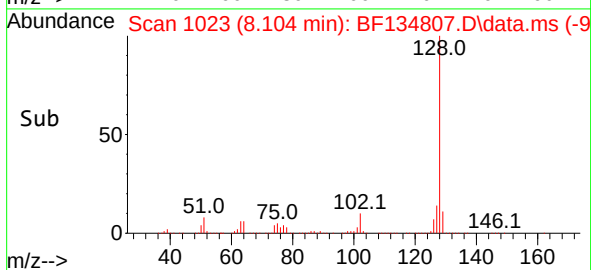
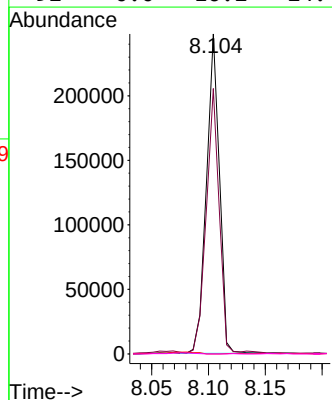
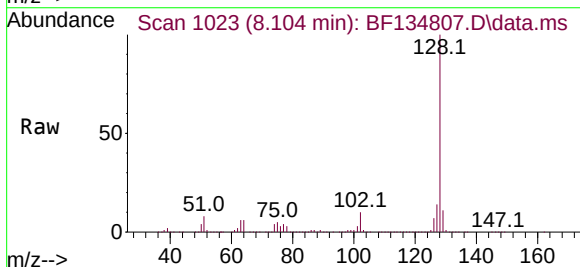
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BNA_F
ClientSampleId :
NEVINS-SB06-Z84-85DL2

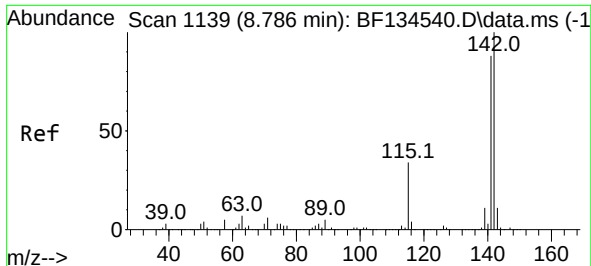
Tgt Ion:122 Resp: 3786
Ion Ratio Lower Upper
122 100
105 9.9 87.5 127.5#
77 1634.8 71.4 111.4#



#33
4-Chloroaniline
Concen: 15.055 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.047 min
Lab File: BF134807.D
Acq: 16 Aug 2023 14:16

Tgt Ion:127 Resp: 197708
Ion Ratio Lower Upper
127 100
129 82.9 25.6 38.4#
65 0.0 25.4 38.0#
92 0.0 16.2 24.4#





#37

2-Methylnaphthalene

Concen: 19.341 ng

RT: 8.792 min Scan# 1139

Delta R.T. 0.000 min

Lab File: BF134807.D

Acq: 16 Aug 2023 14:16

Instrument :

BNA_F

ClientSampleId :

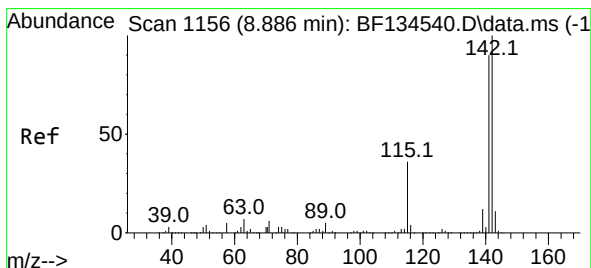
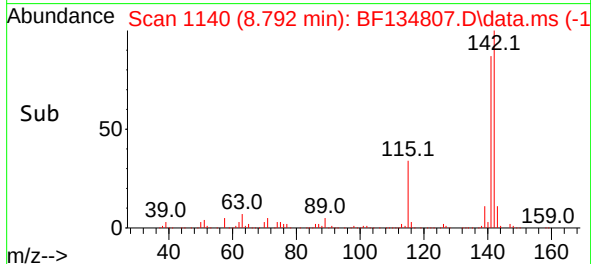
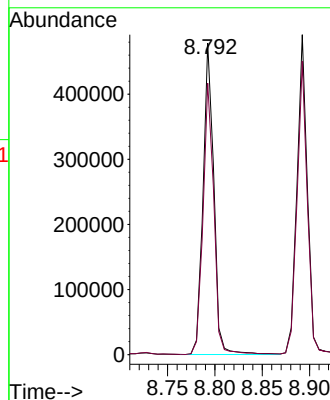
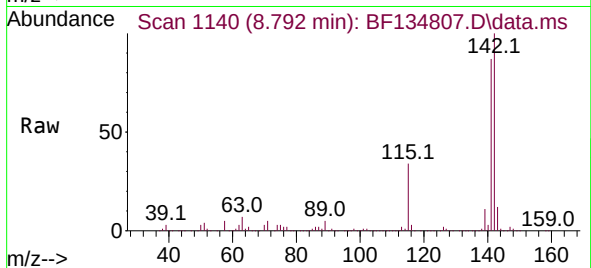
NEVINS-SB06-Z84-85DL2

Tgt Ion:142 Resp: 377849

Ion Ratio Lower Upper

142 100

141 87.2 70.8 106.2



#38

1-Methylnaphthalene

Concen: 20.870 ng

RT: 8.892 min Scan# 1157

Delta R.T. 0.000 min

Lab File: BF134807.D

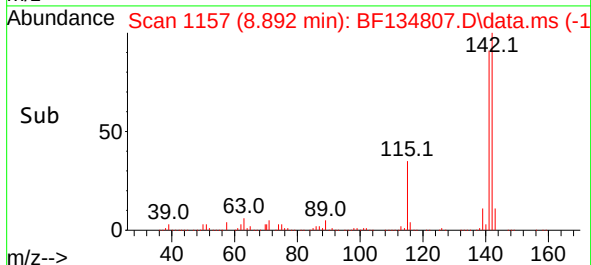
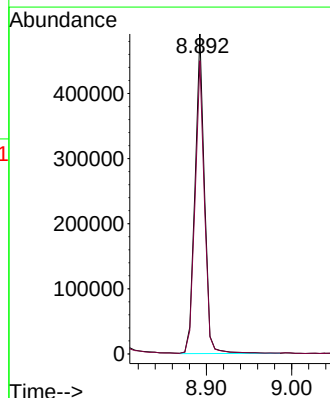
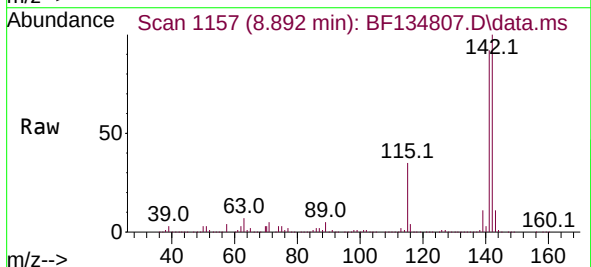
Acq: 16 Aug 2023 14:16

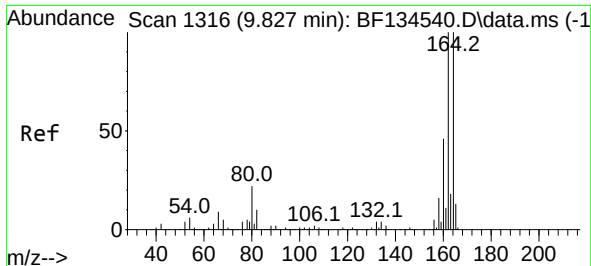
Tgt Ion:142 Resp: 379131

Ion Ratio Lower Upper

142 100

141 91.6 71.4 107.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.833 min Scan# 1316

Delta R.T. 0.000 min

Lab File: BF134807.D

Acq: 16 Aug 2023 14:16

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB06-Z84-85DL2

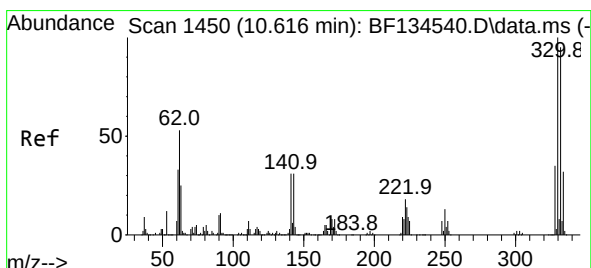
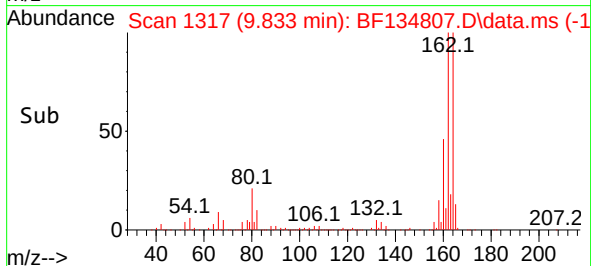
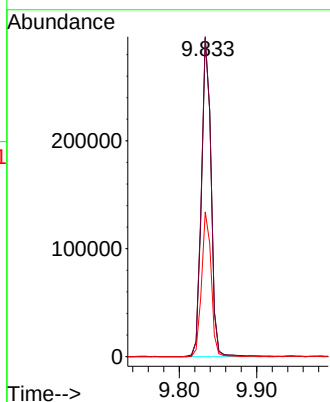
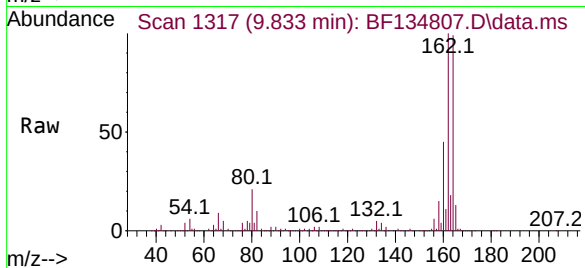
Tgt Ion:164 Resp: 253040

Ion Ratio Lower Upper

164 100

162 100.6 82.6 123.8

160 45.5 37.2 55.8



#42

2,4,6-Tribromophenol

Concen: 0.149 ng

RT: 10.627 min Scan# 1452

Delta R.T. 0.000 min

Lab File: BF134807.D

Acq: 16 Aug 2023 14:16

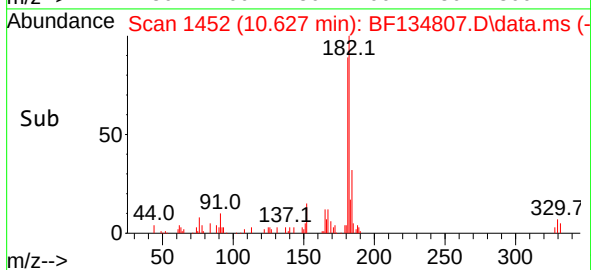
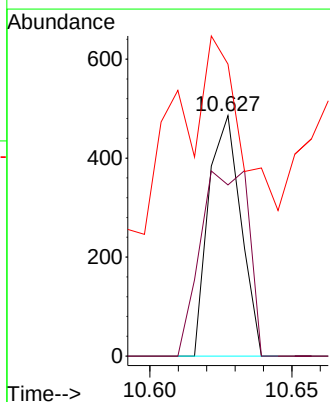
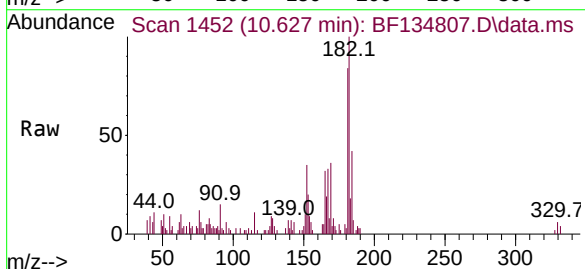
Tgt Ion:330 Resp: 384

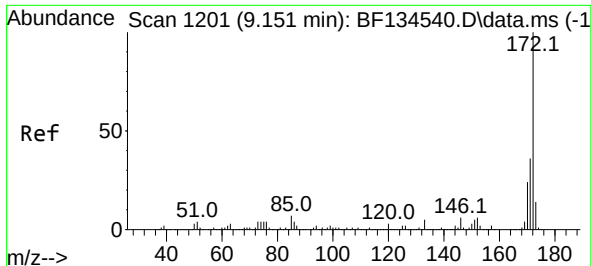
Ion Ratio Lower Upper

330 100

332 114.8 78.8 118.2

141 158.9 25.4 38.2#

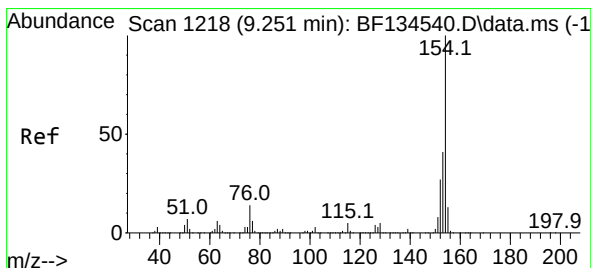
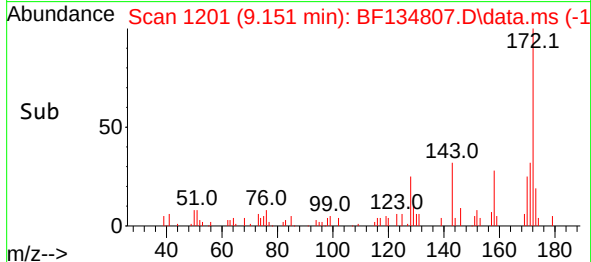
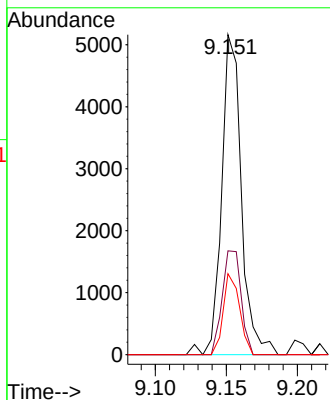
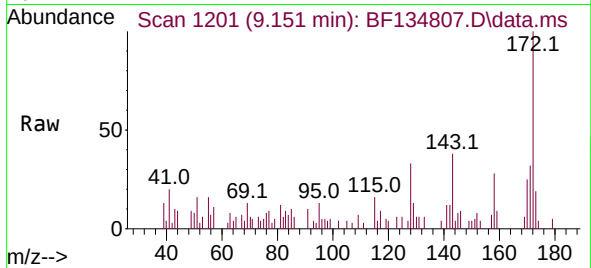




#45
2-Fluorobiphenyl
Concen: 0.330 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF134807.D
Acq: 16 Aug 2023 14:16

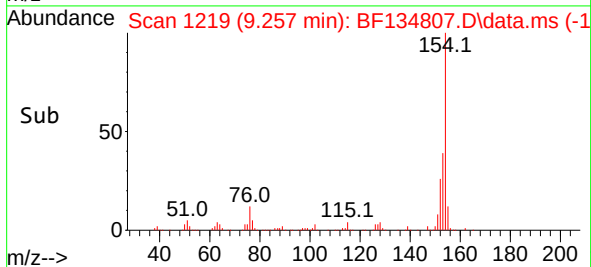
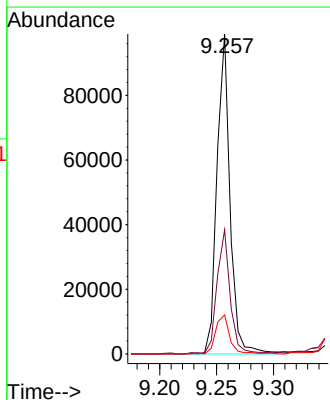
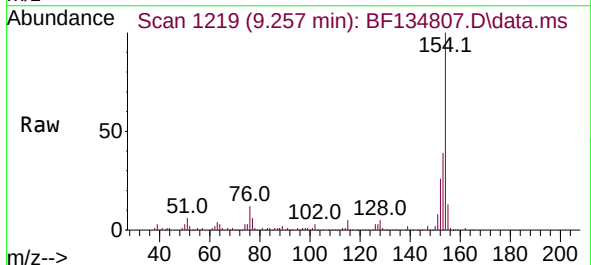
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z84-85DL2

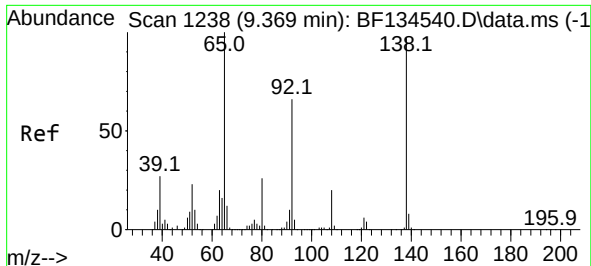
Tgt Ion:	172	Resp:	5016
Ion Ratio	Lower	Upper	
172	100		
171	32.4	28.8	43.2
170	25.3	18.7	28.1



#46
1,1'-Biphenyl
Concen: 4.003 ng
RT: 9.257 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF134807.D
Acq: 16 Aug 2023 14:16

Tgt Ion:	154	Resp:	78762
Ion Ratio	Lower	Upper	
154	100		
153	38.8	20.8	60.8
76	12.2	0.0	30.2





#48

2-Nitroaniline

Concen: 3.685 ng

RT: 9.351 min Scan# 1235

Delta R.T. -0.029 min

Lab File: BF134807.D

Acq: 16 Aug 2023 14:16

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB06-Z84-85DL2

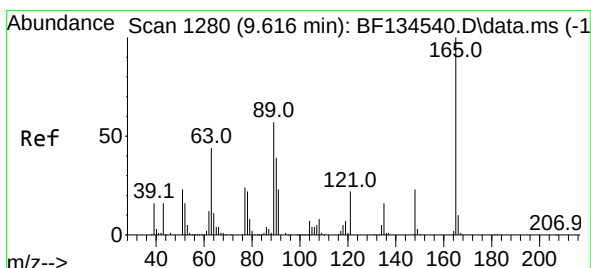
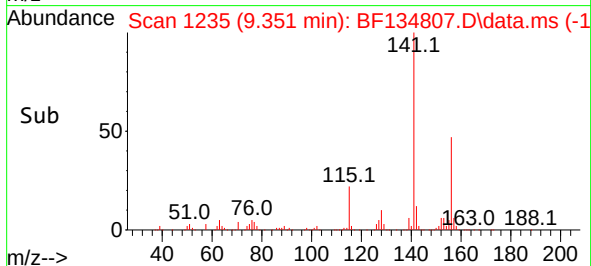
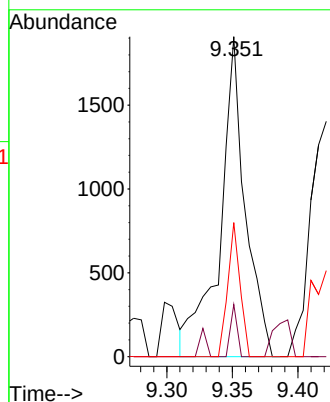
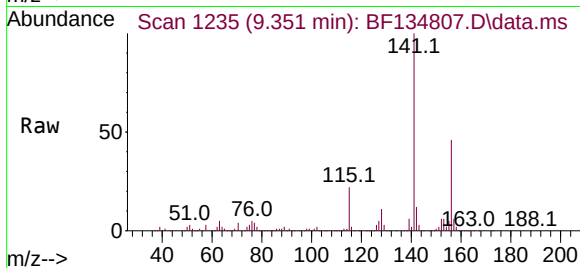
Tgt Ion: 65 Resp: 2553

Ion Ratio Lower Upper

65 100

92 16.3 50.7 76.1#

138 41.9 78.2 117.4#



#51

2,6-Dinitrotoluene

Concen: 2.913 ng

RT: 9.528 min Scan# 1265

Delta R.T. -0.100 min

Lab File: BF134807.D

Acq: 16 Aug 2023 14:16

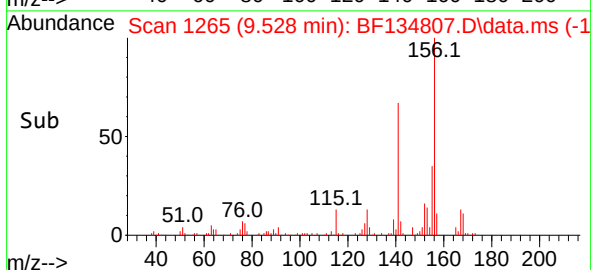
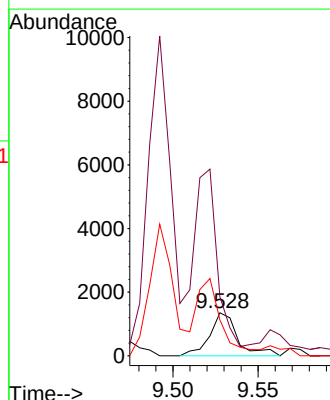
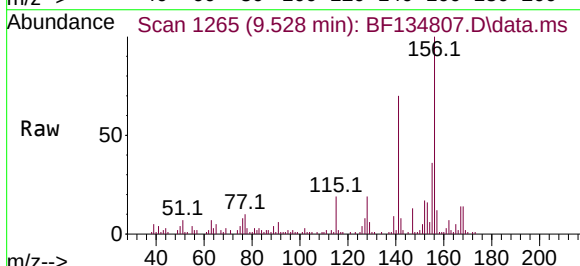
Tgt Ion: 165 Resp: 1557

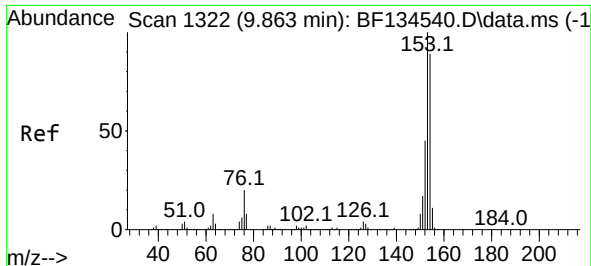
Ion Ratio Lower Upper

165 100

63 137.0 57.8 86.6#

89 83.7 51.8 77.8#

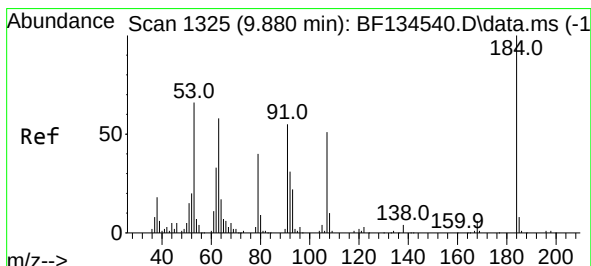
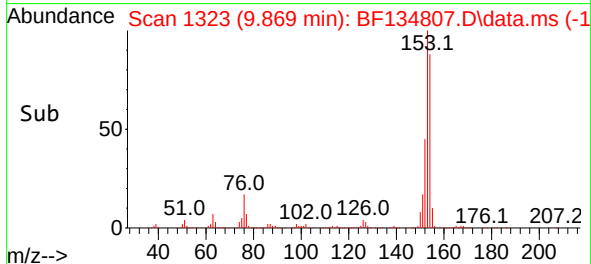
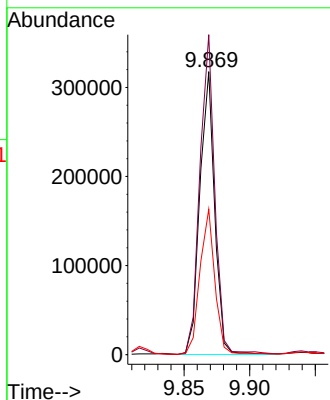
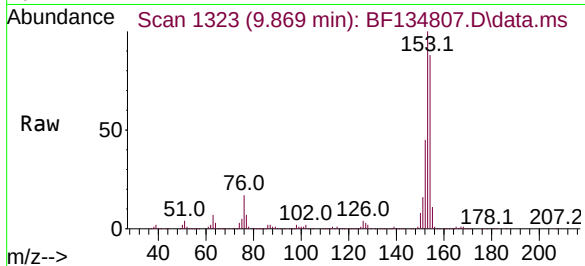




#52
Acenaphthene
Concen: 16.579 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF134807.D
Acq: 16 Aug 2023 14:16

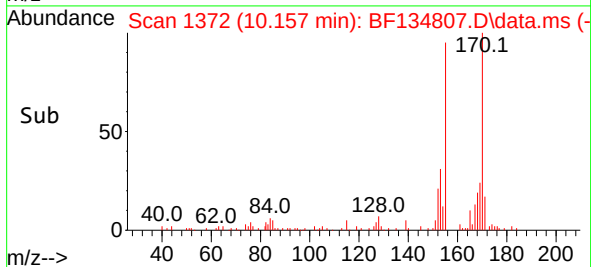
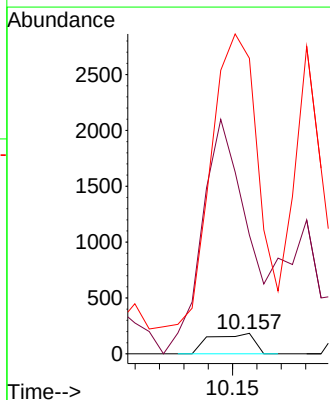
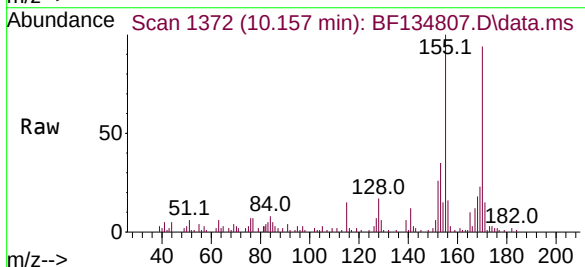
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z84-85DL2

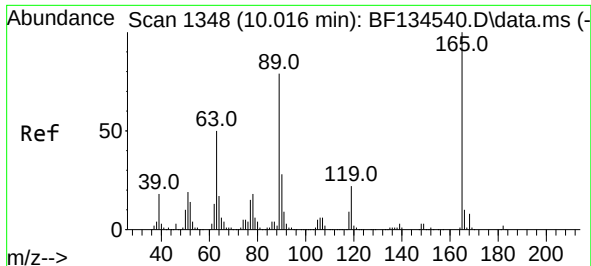
Tgt Ion:154 Resp: 249007
Ion Ratio Lower Upper
154 100
153 113.1 90.0 135.0
152 51.4 42.4 63.6



#54
2,4-Dinitrophenol
Concen: 6.998 ng
RT: 10.157 min Scan# 1372
Delta R.T. 0.259 min
Lab File: BF134807.D
Acq: 16 Aug 2023 14:16

Tgt Ion:184 Resp: 228
Ion Ratio Lower Upper
184 100
63 577.7 57.1 85.7#
154 1437.5 59.1 88.7#

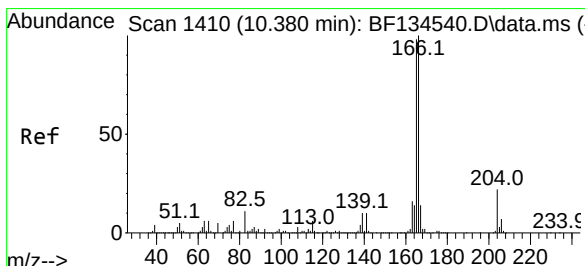
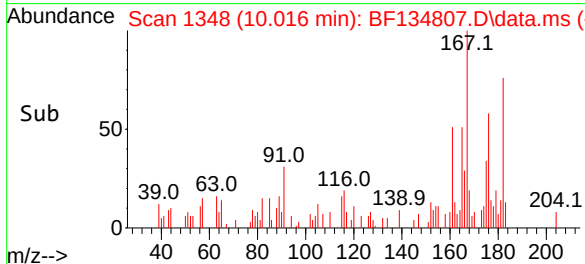
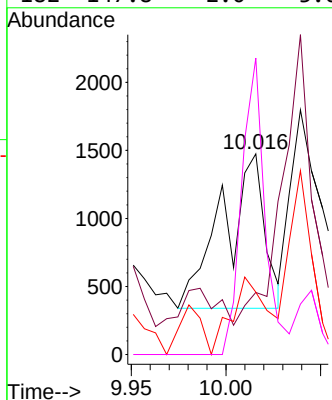
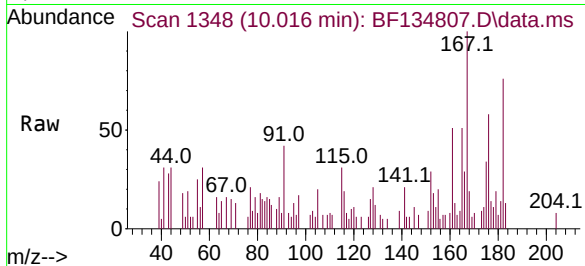




#57
2,4-Dinitrotoluene
Concen: 3.237 ng
RT: 10.016 min Scan# 1348
Delta R.T. -0.012 min
Lab File: BF134807.D
Acq: 16 Aug 2023 14:16

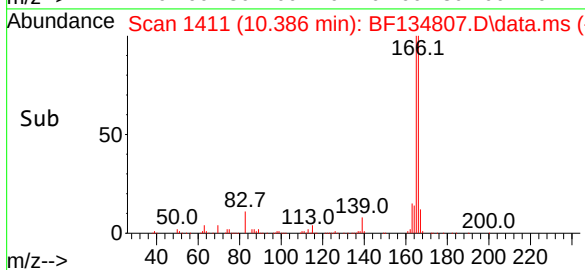
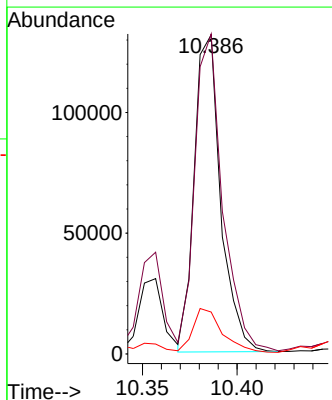
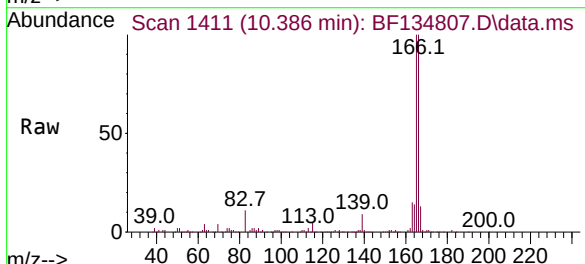
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z84-85DL2

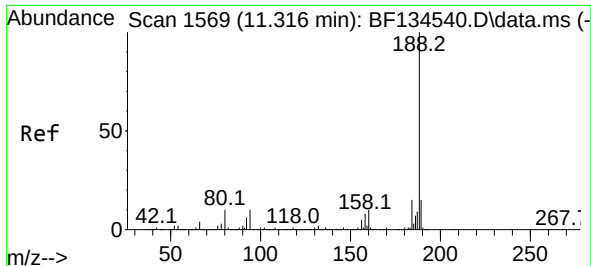
Tgt Ion:165 Resp: 1751
Ion Ratio Lower Upper
165 100
63 30.9 48.9 73.3#
89 31.1 61.7 92.5#
182 147.8 2.0 3.0#



#58
Fluorene
Concen: 8.196 ng
RT: 10.386 min Scan# 1411
Delta R.T. 0.000 min
Lab File: BF134807.D
Acq: 16 Aug 2023 14:16

Tgt Ion:166 Resp: 127646
Ion Ratio Lower Upper
166 100
165 100.3 74.5 111.7
167 13.1 10.6 16.0

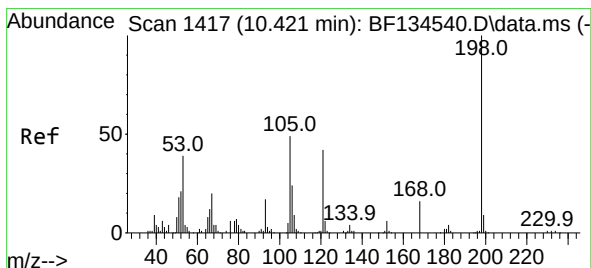
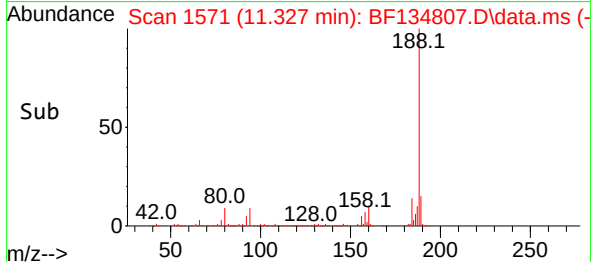
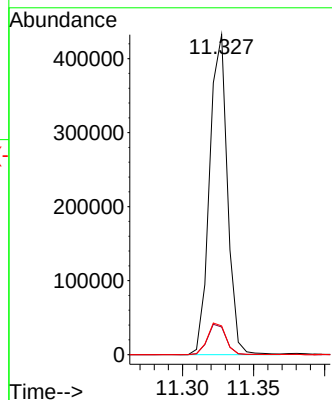
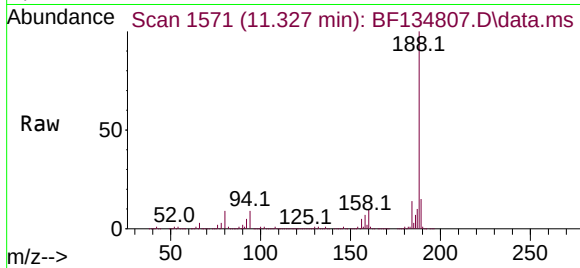




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF134807.D
Acq: 16 Aug 2023 14:16

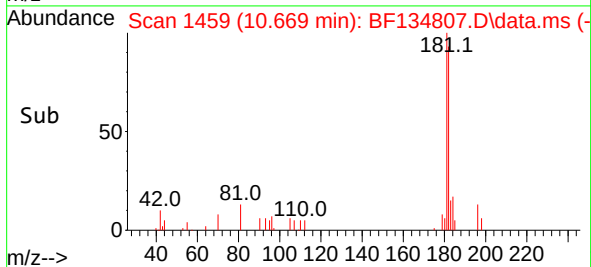
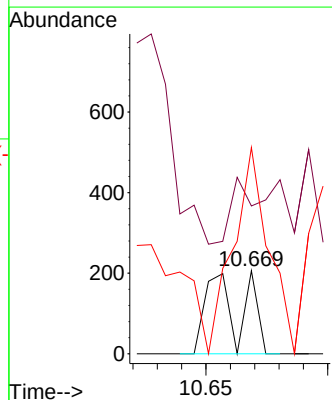
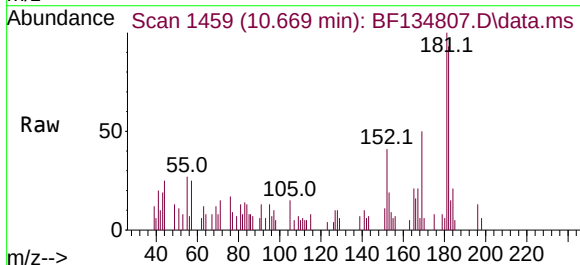
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z84-85DL2

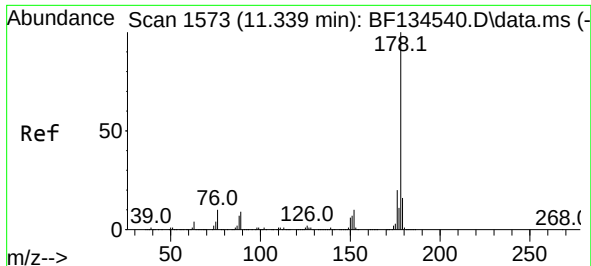
Tgt Ion:188 Resp: 377372
Ion Ratio Lower Upper
188 100
94 8.6 5.1 7.7#
80 9.0 6.6 9.8



#65
4,6-Dinitro-2-methylphenol
Concen: 8.810 ng
RT: 10.669 min Scan# 1459
Delta R.T. 0.229 min
Lab File: BF134807.D
Acq: 16 Aug 2023 14:16

Tgt Ion:198 Resp: 206
Ion Ratio Lower Upper
198 100
51 178.2 38.6 78.6#
105 248.5 27.9 67.9#

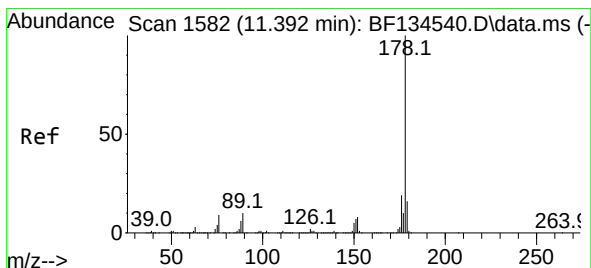
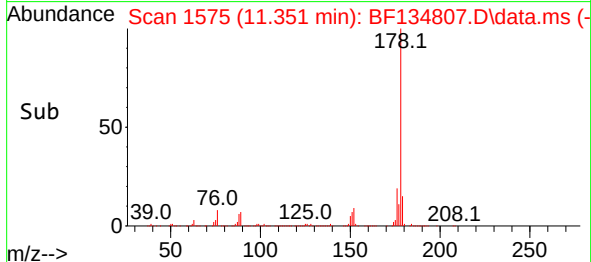
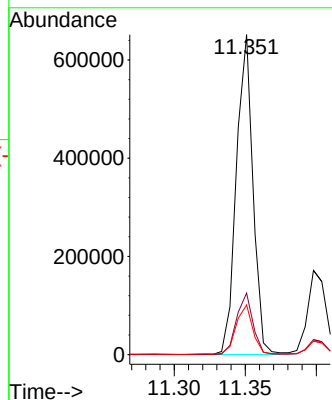
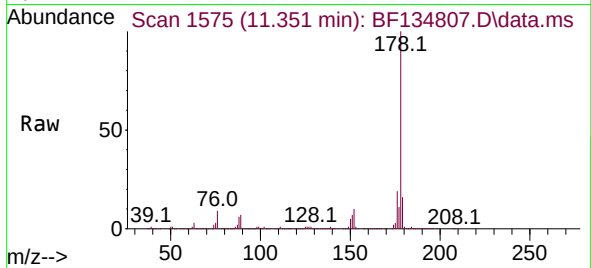




#71
Phenanthrene
Concen: 26.345 ng
RT: 11.351 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134807.D
Acq: 16 Aug 2023 14:16

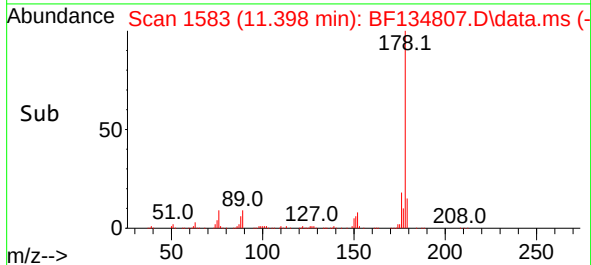
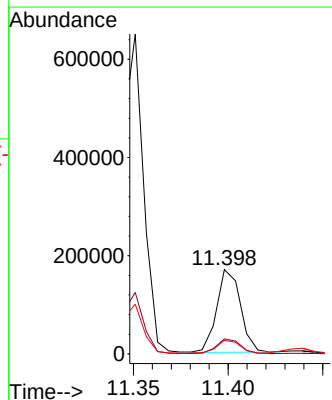
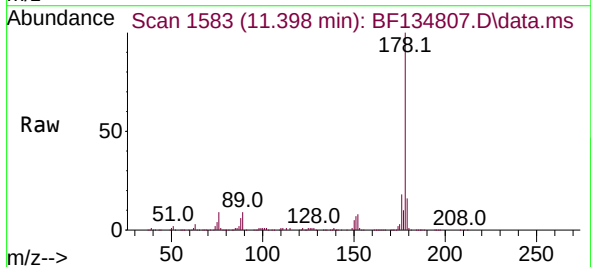
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z84-85DL2

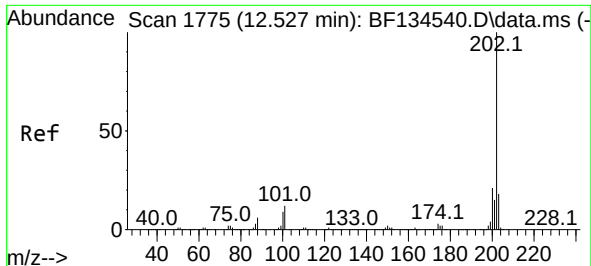
Tgt Ion:178 Resp: 528065
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.6
179 15.5 12.7 19.1



#72
Anthracene
Concen: 7.190 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF134807.D
Acq: 16 Aug 2023 14:16

Tgt Ion:178 Resp: 147221
Ion Ratio Lower Upper
178 100
176 17.9 14.6 21.8
179 16.0 12.3 18.5

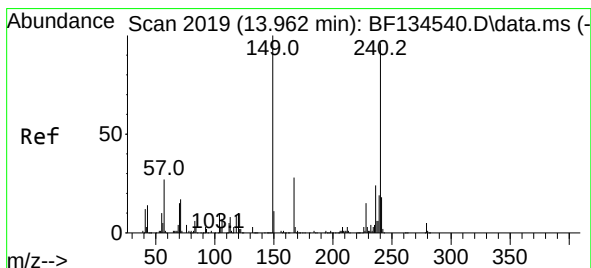
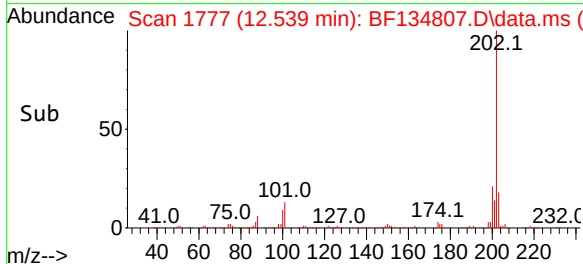
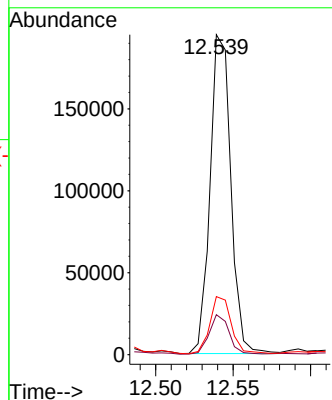
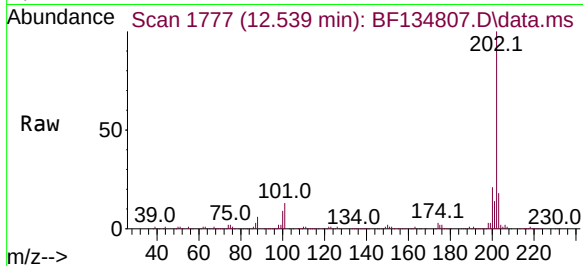




#75
Fluoranthene
Concen: 8.637 ng
RT: 12.539 min Scan# 1777
Delta R.T. 0.000 min
Lab File: BF134807.D
Acq: 16 Aug 2023 14:16

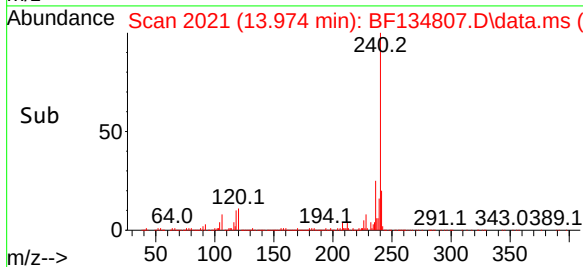
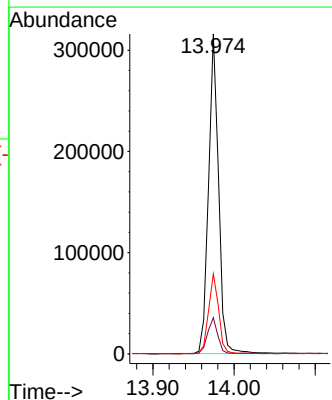
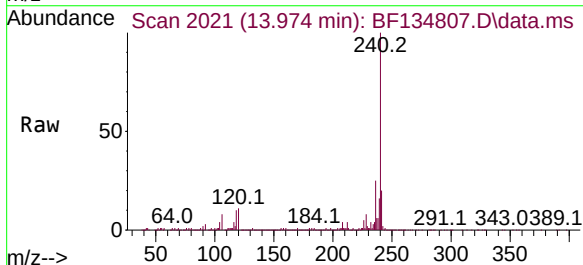
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z84-85DL2

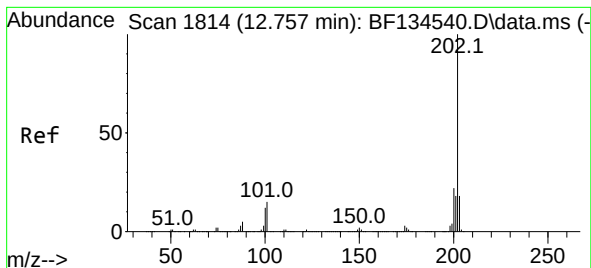
Tgt Ion:202 Resp: 182867
Ion Ratio Lower Upper
202 100
101 12.5 0.0 28.5
203 18.1 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF134807.D
Acq: 16 Aug 2023 14:16

Tgt Ion:240 Resp: 273890
Ion Ratio Lower Upper
240 100
120 11.3 6.6 10.0#
236 25.0 20.2 30.2





#78

Pyrene

Concen: 11.463 ng

RT: 12.769 min Scan# 1816

Delta R.T. 0.000 min

Lab File: BF134807.D

Acq: 16 Aug 2023 14:16

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB06-Z84-85DL2

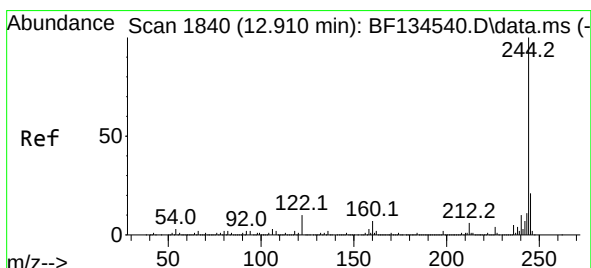
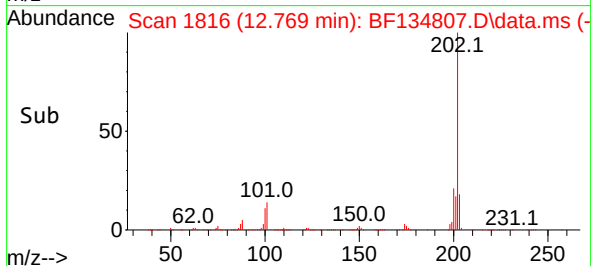
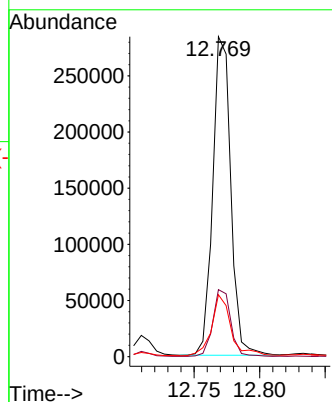
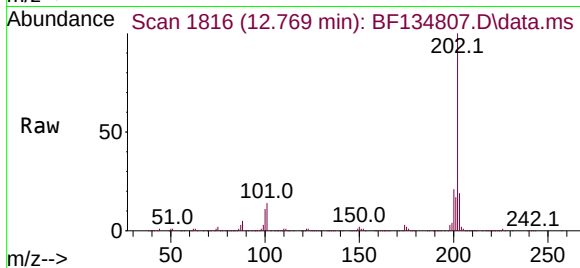
Tgt Ion:202 Resp: 271675

Ion Ratio Lower Upper

202 100

200 20.9 15.8 23.8

203 19.3 13.5 20.3



#79

Terphenyl-d14

Concen: 0.322 ng

RT: 12.916 min Scan# 1841

Delta R.T. -0.006 min

Lab File: BF134807.D

Acq: 16 Aug 2023 14:16

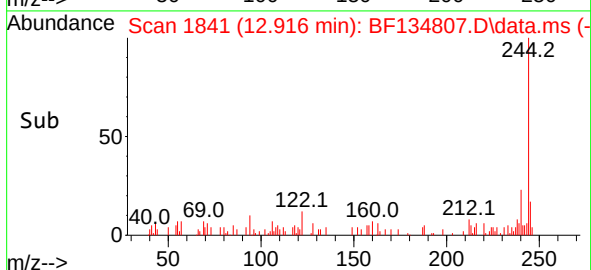
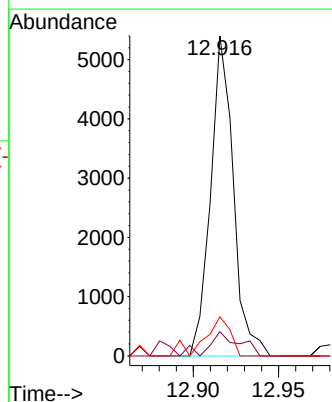
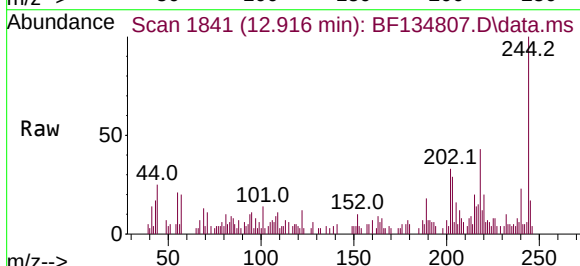
Tgt Ion:244 Resp: 5007

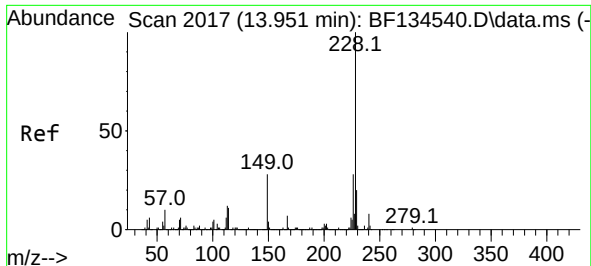
Ion Ratio Lower Upper

244 100

212 7.6 5.6 8.4

122 12.2 8.0 12.0#

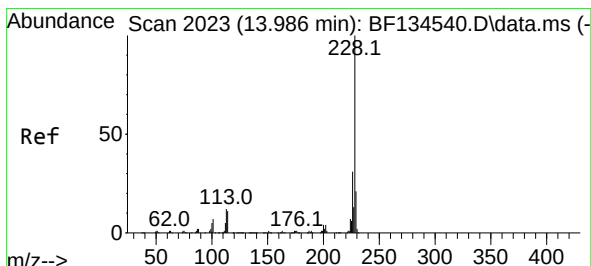
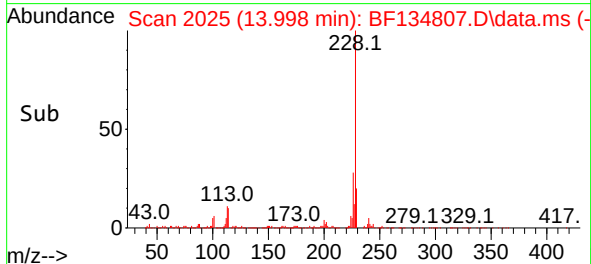
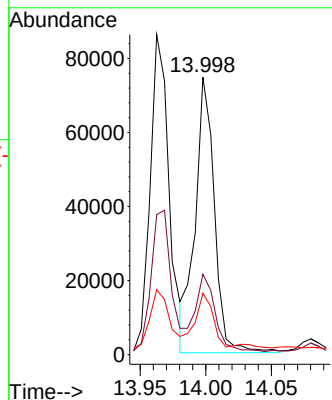
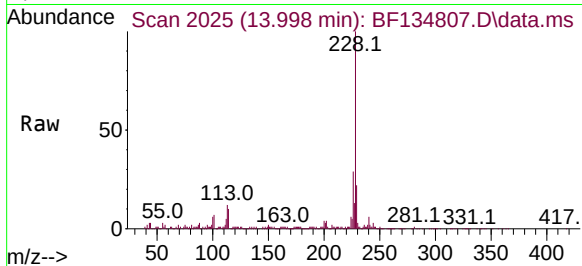




#81
Benzo(a)anthracene
Concen: 3.873 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.035 min
Lab File: BF134807.D
Acq: 16 Aug 2023 14:16

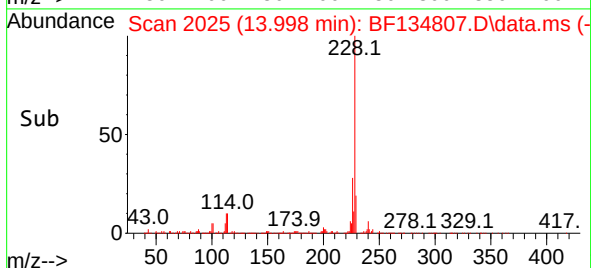
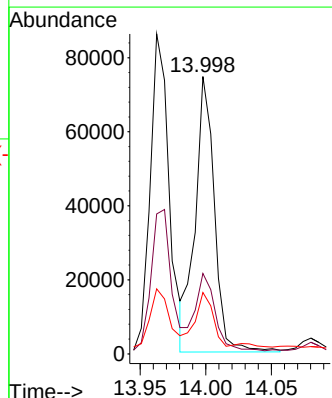
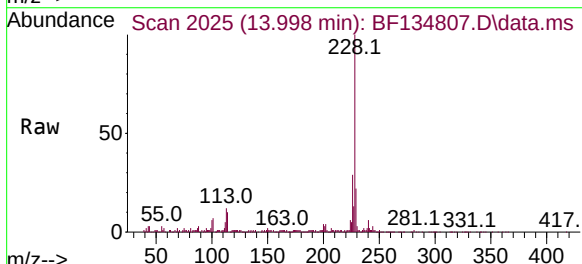
Instrument :
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ClientSampleId :
NEVINS-SB06-Z84-85DL2

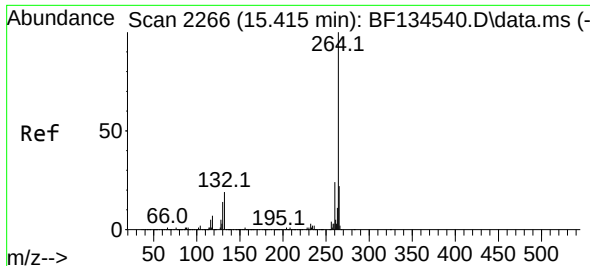
Tgt Ion:228 Resp: 75855
Ion Ratio Lower Upper
228 100
226 29.0 22.3 33.5
229 22.1 15.8 23.6



#83
Chrysene
Concen: 3.976 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF134807.D
Acq: 16 Aug 2023 14:16

Tgt Ion:228 Resp: 75855
Ion Ratio Lower Upper
228 100
226 29.0 24.5 36.7
229 22.1 15.8 23.8

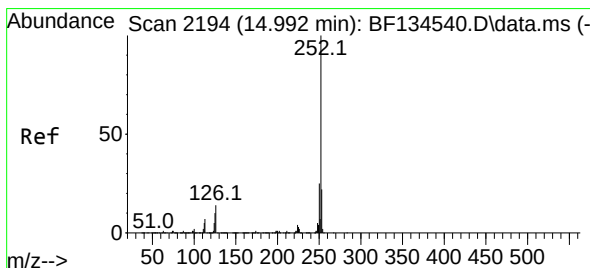
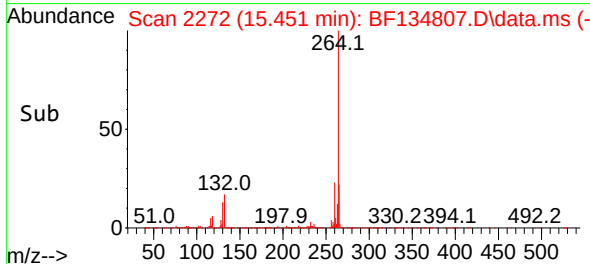
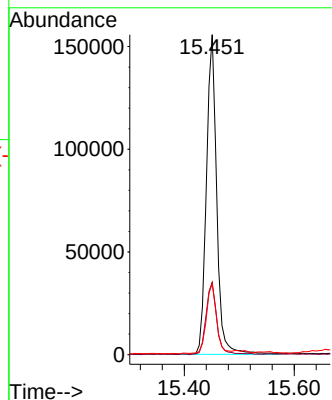
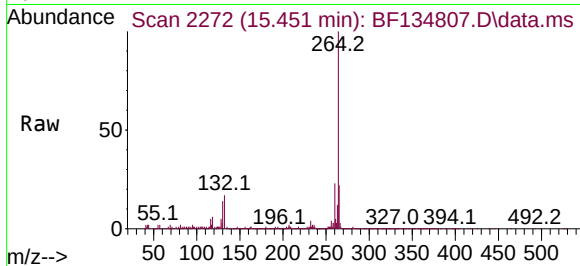




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2119
Delta R.T. 0.012 min
Lab File: BF134807.D
Acq: 16 Aug 2023 14:16

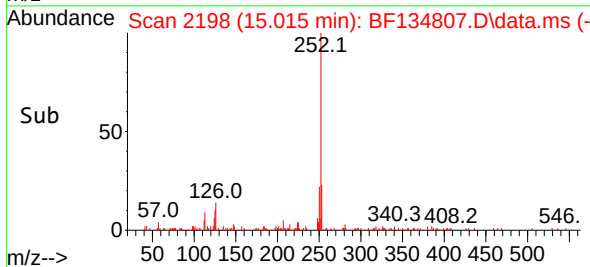
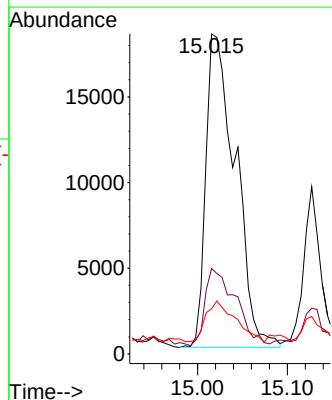
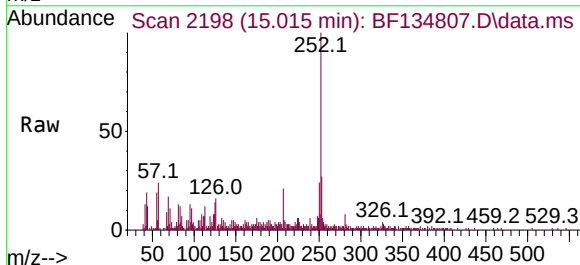
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z84-85DL2

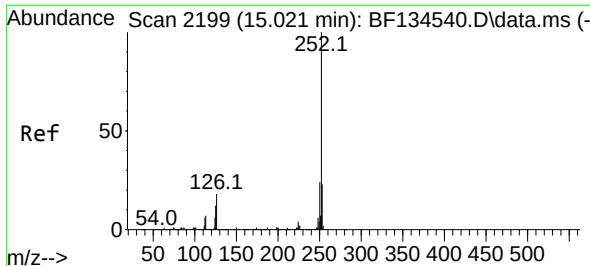
Tgt Ion:264 Resp: 202294
Ion Ratio Lower Upper
264 100
260 22.6 18.4 27.6
265 22.2 15.8 23.8



#88
Benzo(b)fluoranthene
Concen: 3.405 ng
RT: 15.015 min Scan# 2198
Delta R.T. 0.006 min
Lab File: BF134807.D
Acq: 16 Aug 2023 14:16

Tgt Ion:252 Resp: 42009
Ion Ratio Lower Upper
252 100
253 26.7 17.3 25.9#
125 14.1 6.0 9.0#

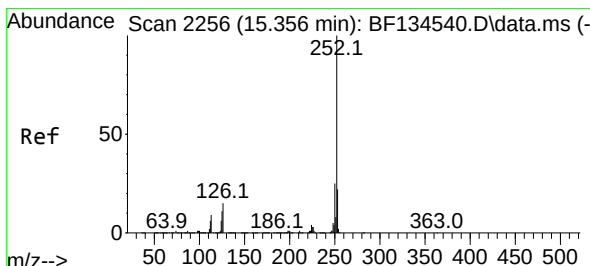
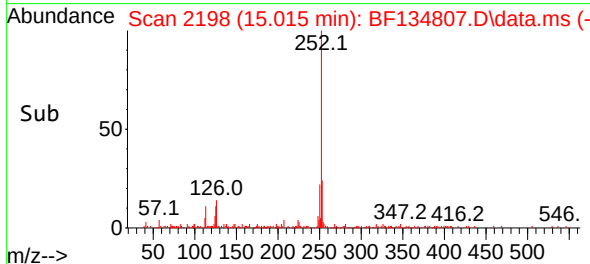
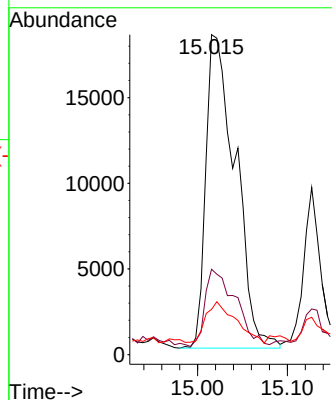
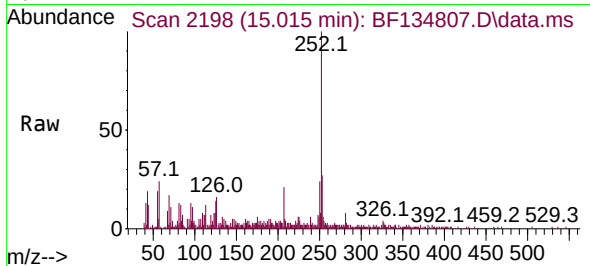




#89
Benzo(k)fluoranthene
Concen: 3.418 ng
RT: 15.015 min Scan# 2199
Delta R.T. -0.023 min
Lab File: BF134807.D
Acq: 16 Aug 2023 14:16

Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z84-85DL2

Tgt Ion:252 Resp: 42009
Ion Ratio Lower Upper
252 100
253 26.7 17.9 26.9
125 14.1 6.3 9.5#



#90
Benzo(a)pyrene
Concen: 3.149 ng
RT: 15.386 min Scan# 2261
Delta R.T. 0.006 min
Lab File: BF134807.D
Acq: 16 Aug 2023 14:16

Tgt Ion:252 Resp: 36230
Ion Ratio Lower Upper
252 100
253 25.0 17.0 25.4
125 13.7 6.2 9.4#

