

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082423\
 Data File : BF134929.D
 Acq On : 24 Aug 2023 17:49
 Operator : CG\JU
 Sample : 04093-02DL 100X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Aug 25 01:21:29 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 22 19:33:25 2023
 Response via : Initial Calibration

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

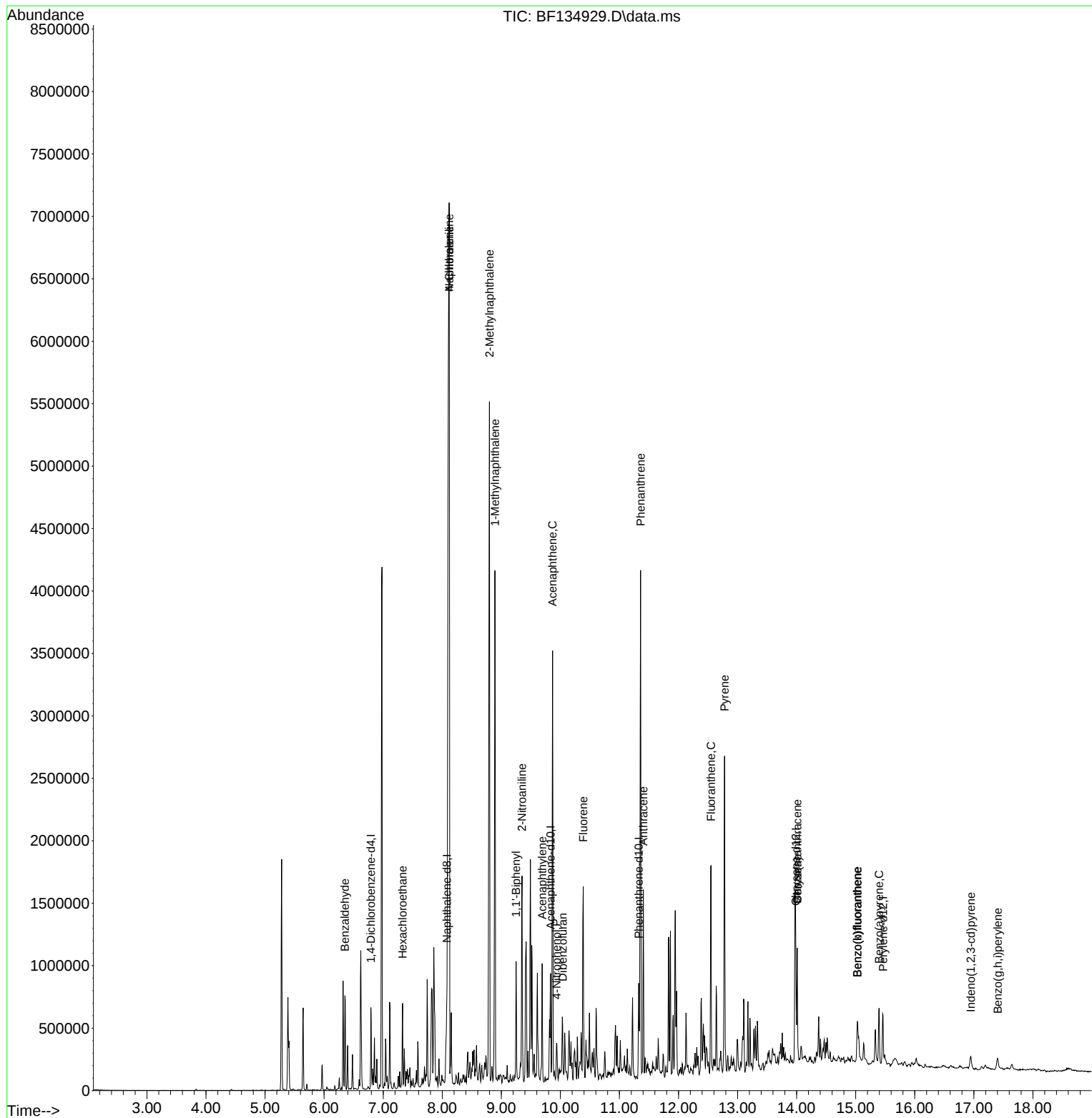
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	92014	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	325323	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	160182	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	287357	20.000	ng	0.00
76) Chrysene-d12	13.986	240	232348	20.000	ng	0.00
86) Perylene-d12	15.462	264	194383	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	2746	0.476	ng	0.00
7) Phenol-d6	6.434	99	4627	0.628	ng	0.00
23) Nitrobenzene-d5	7.475	82	474	0.080	ng	0.11
42) 2,4,6-Tribromophenol	10.627	330	646	0.342	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	7545	0.728	ng	0.00
79) Terphenyl-d14	12.921	244	9573	0.567	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.351	77	31015	7.670	ng	# 1
18) Hexachloroethane	7.328	117	30516	13.340	ng	# 1
20) 3+4-Methylphenols	7.216	107	226	Below Cal		# 42
31) Naphthalene	8.116	128	5421085	333.722	ng	97
33) 4-Chloroaniline	8.116	127	770339	110.526	ng	# 35
37) 2-Methylnaphthalene	8.798	142	1663591	153.565	ng	96
38) 1-Methylnaphthalene	8.892	142	1103974	108.983	ng	100
46) 1,1'-Biphenyl	9.251	154	272832	21.574	ng	98
48) 2-Nitroaniline	9.351	65	7579	2.441	ng	# 27
49) Acenaphthylene	9.692	152	168759	11.603	ng	# 92
52) Acenaphthene	9.869	154	721377	78.733	ng	99
55) Dibenzofuran	10.039	168	61048	4.576	ng	# 84
56) 4-Nitrophenol	9.933	139	6764	3.534	ng	# 30
58) Fluorene	10.386	166	419618	41.474	ng	99
71) Phenanthrene	11.357	178	1593906	105.851	ng	99
72) Anthracene	11.404	178	511127	33.129	ng	99
75) Fluoranthene	12.551	202	689766	48.345	ng	98
78) Pyrene	12.780	202	1020787	41.437	ng	100
81) Benzo(a)anthracene	14.010	228	331113	20.887	ng	95
83) Chrysene	14.010	228	331113	21.169	ng	99
87) Indeno(1,2,3-cd)pyrene	16.951	276	64755	4.661	ng	97
88) Benzo(b)fluoranthene	15.027	252	251464	22.929	ng	98
89) Benzo(k)fluoranthene	15.027	252	251464	23.350	ng	96
90) Benzo(a)pyrene	15.398	252	221773	20.257	ng	99
92) Benzo(g,h,i)perylene	17.404	276	72090	6.264	ng	98

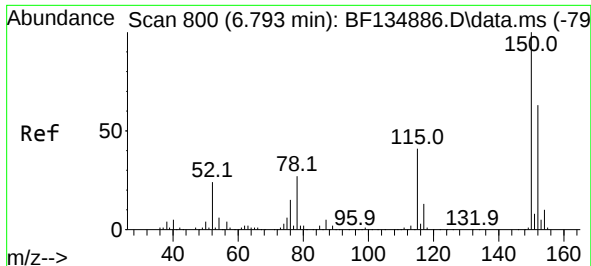
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082423\
Data File : BF134929.D
Acq On : 24 Aug 2023 17:49
Operator : CG\JU
Sample : 04093-02DL 100X
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Aug 25 01:21:29 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 22 19:33:25 2023
Response via : Initial Calibration

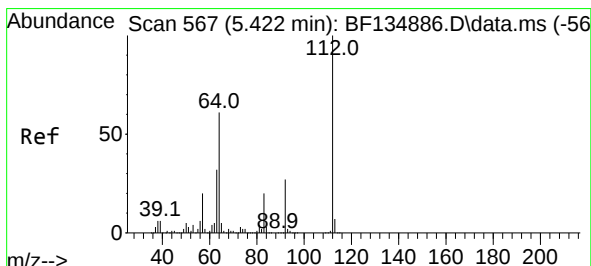
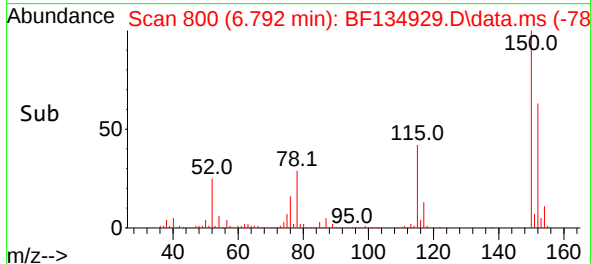
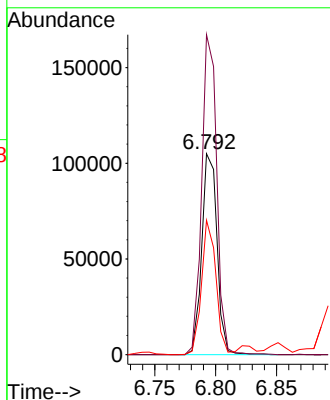
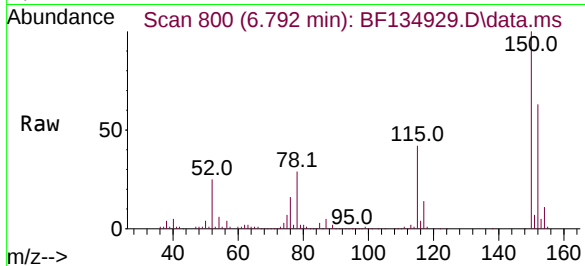




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.792 min Scan# 800
 Delta R.T. -0.001 min
 Lab File: BF134929.D
 Acq: 24 Aug 2023 17:49

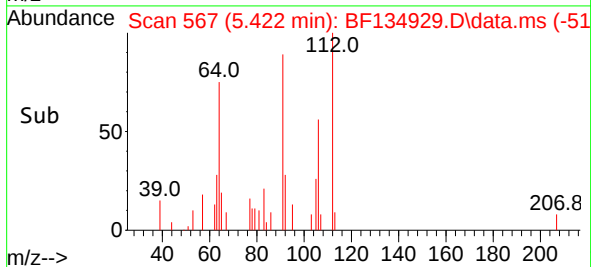
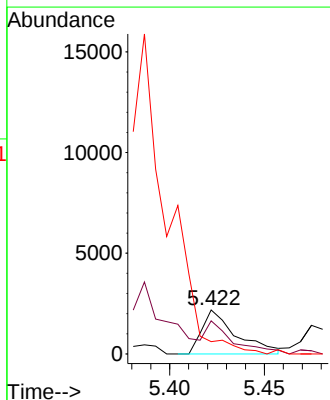
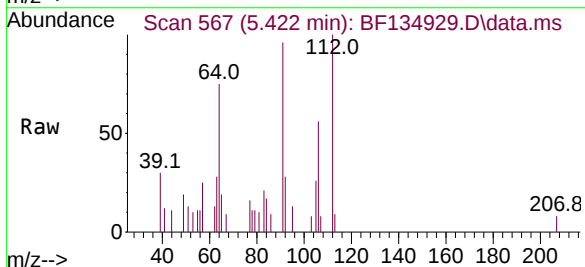
Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB04-Z52-53DL

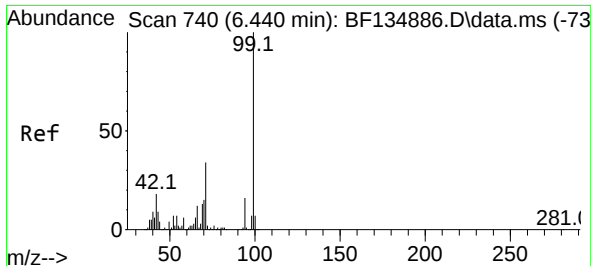
Tgt Ion:152 Resp: 92014
 Ion Ratio Lower Upper
 152 100
 150 159.2 126.1 189.1
 115 66.9 51.1 76.7



#5
 2-Fluorophenol
 Concen: 0.476 ng
 RT: 5.422 min Scan# 567
 Delta R.T. -0.000 min
 Lab File: BF134929.D
 Acq: 24 Aug 2023 17:49

Tgt Ion:112 Resp: 2746
 Ion Ratio Lower Upper
 112 100
 64 75.0 48.6 73.0#
 63 27.9 25.7 38.5

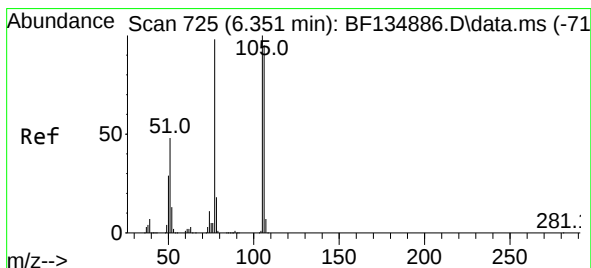
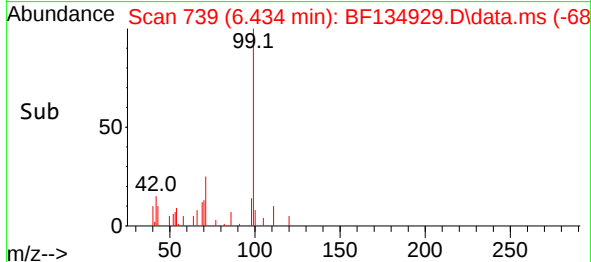
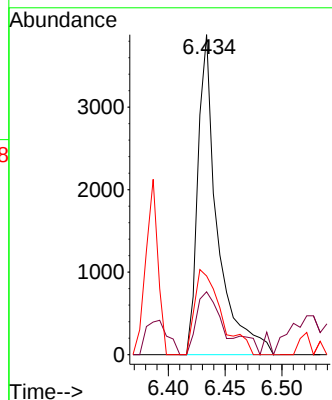
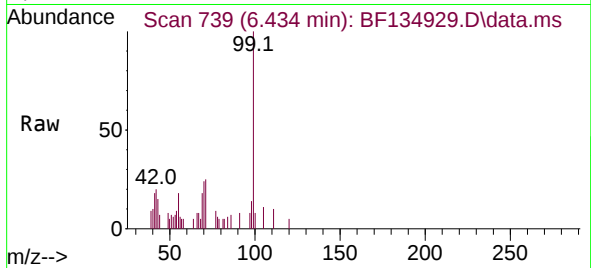




#7
Phenol-d6
Concen: 0.628 ng
RT: 6.434 min Scan# 739
Delta R.T. -0.006 min
Lab File: BF134929.D
Acq: 24 Aug 2023 17:49

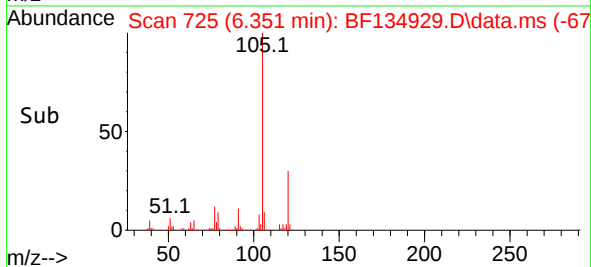
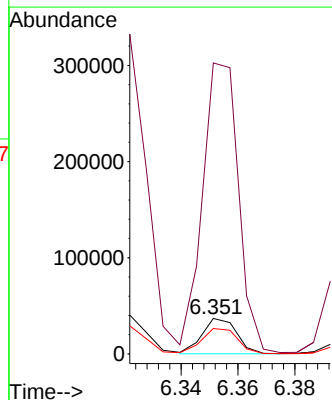
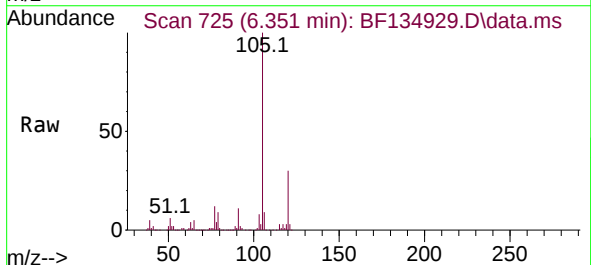
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB04-Z52-53DL

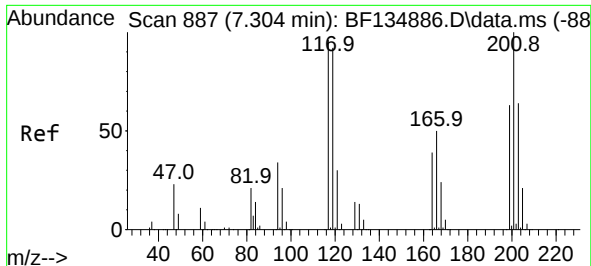
Tgt Ion: 99 Resp: 4627
Ion Ratio Lower Upper
99 100
42 19.6 14.6 22.0
71 24.6 27.6 41.4#



#9
Benzaldehyde
Concen: 7.670 ng
RT: 6.351 min Scan# 725
Delta R.T. 0.000 min
Lab File: BF134929.D
Acq: 24 Aug 2023 17:49

Tgt Ion: 77 Resp: 31015
Ion Ratio Lower Upper
77 100
105 819.6 82.4 122.4#
106 71.6 77.2 117.2#

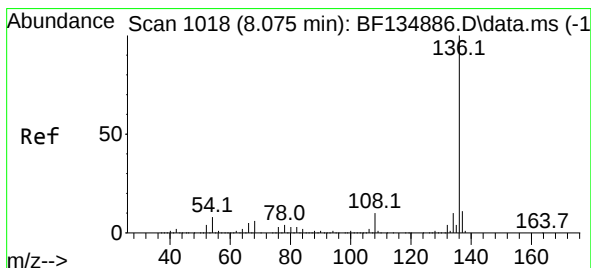
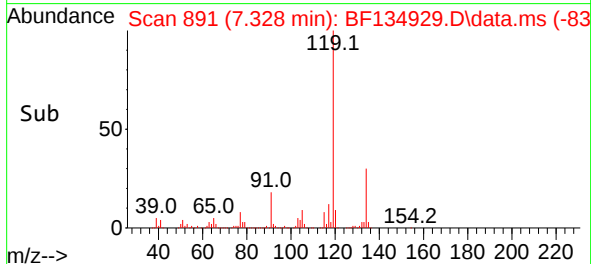
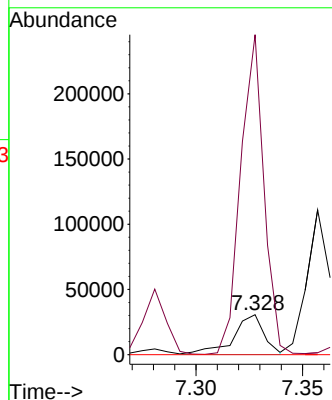
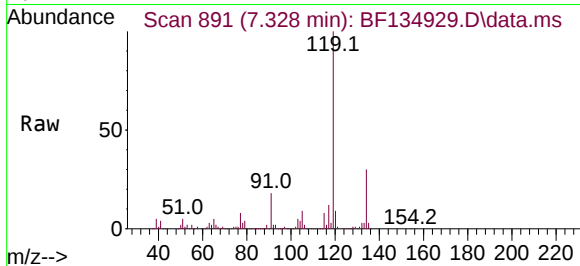




#18
Hexachloroethane
Concen: 13.340 ng
RT: 7.328 min Scan# 891
Delta R.T. 0.024 min
Lab File: BF134929.D
Acq: 24 Aug 2023 17:49

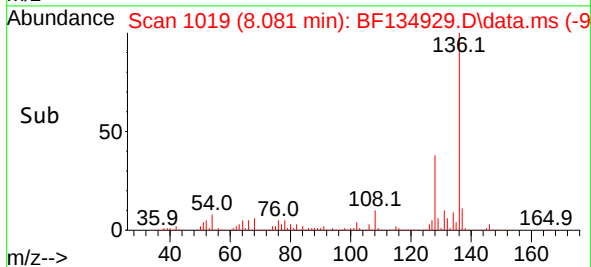
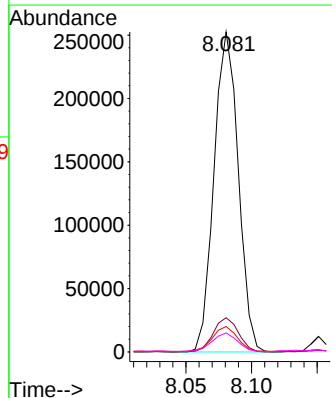
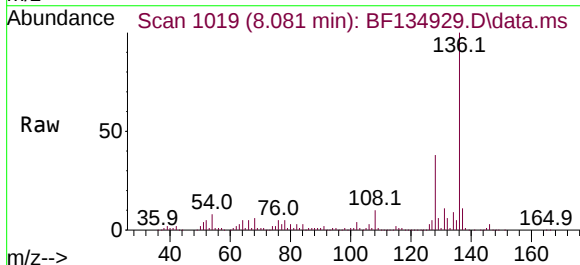
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB04-Z52-53DL

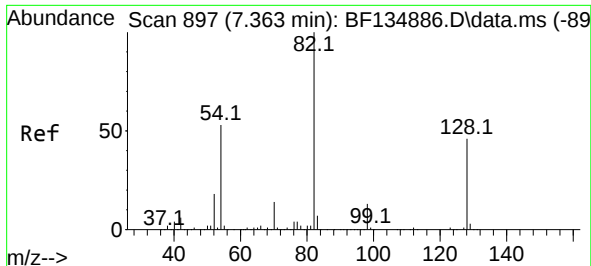
Tgt Ion:117 Resp: 30516
Ion Ratio Lower Upper
117 100
119 802.5 76.6 114.8#
201 0.0 83.4 125.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. 0.006 min
Lab File: BF134929.D
Acq: 24 Aug 2023 17:49

Tgt Ion:136 Resp: 325323
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 7.9 6.6 9.8
68 5.9 5.0 7.4





#23

Nitrobenzene-d5

Concen: 0.080 ng

RT: 7.475 min Scan# 91

Delta R.T. 0.112 min

Lab File: BF134929.D

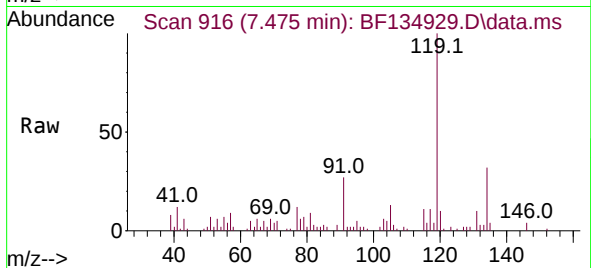
Acq: 24 Aug 2023 17:49

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB04-Z52-53DL



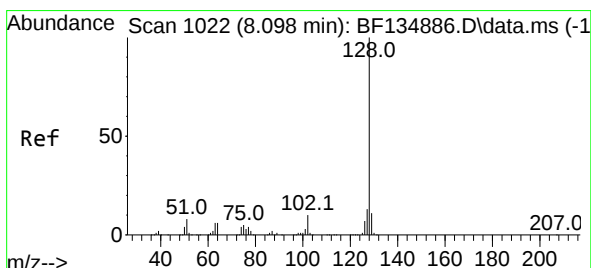
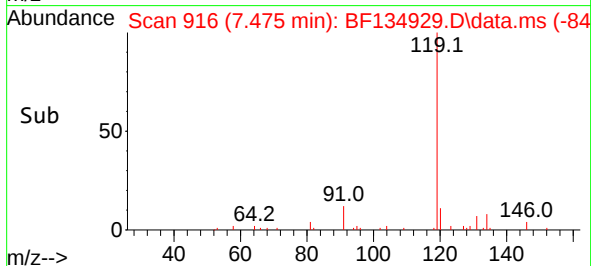
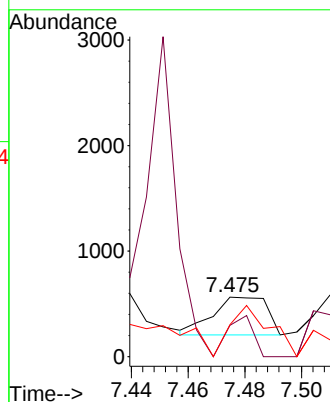
Tgt Ion: 82 Resp: 474

Ion Ratio Lower Upper

82 100

128 52.7 36.6 54.8

54 53.7 42.6 63.8



#31

Naphthalene

Concen: 333.722 ng

RT: 8.116 min Scan# 1025

Delta R.T. 0.018 min

Lab File: BF134929.D

Acq: 24 Aug 2023 17:49

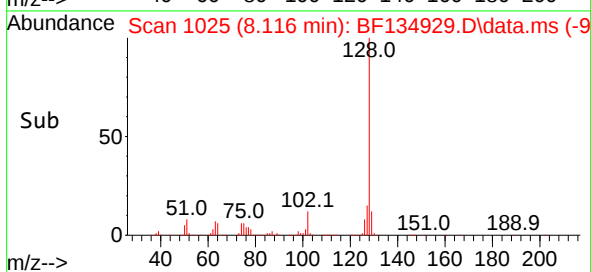
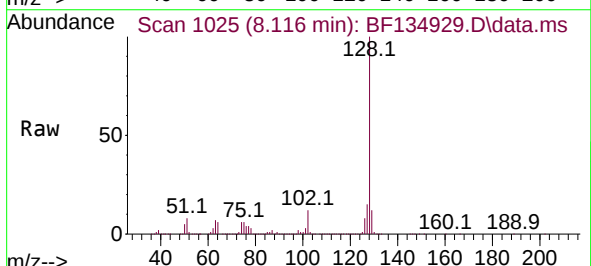
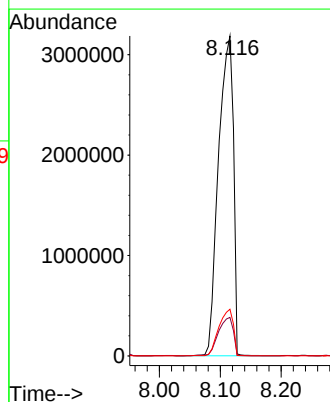
Tgt Ion:128 Resp: 5421085

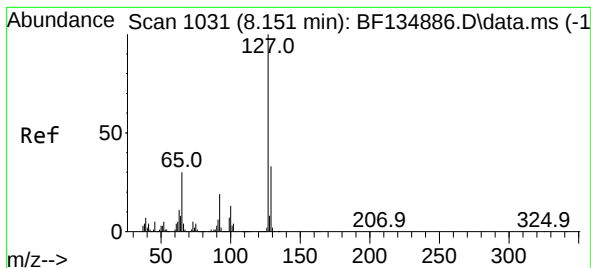
Ion Ratio Lower Upper

128 100

129 12.0 9.0 13.4

127 14.6 10.6 16.0





#33

4-Chloroaniline

Concen: 110.526 ng

RT: 8.116 min Scan# 1031

Delta R.T. -0.035 min

Lab File: BF134929.D

Acq: 24 Aug 2023 17:49

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB04-Z52-53DL

Tgt Ion:127 Resp: 770339

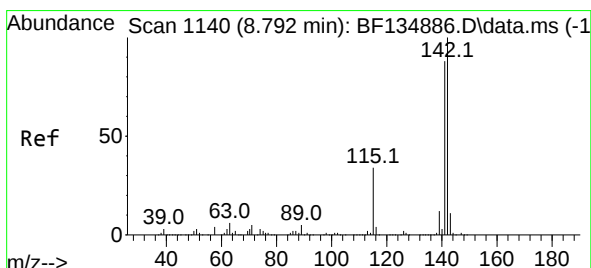
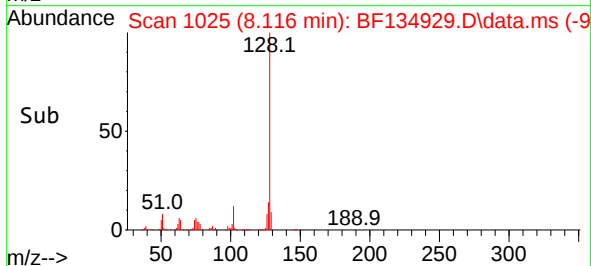
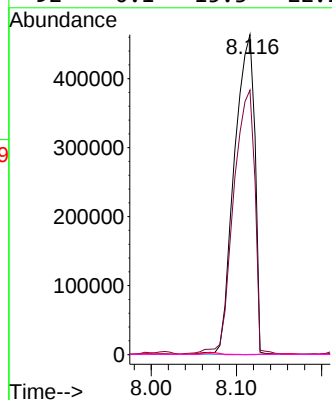
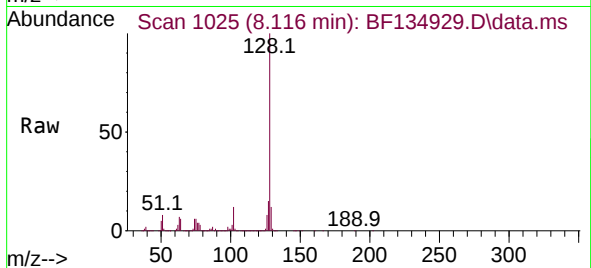
Ion Ratio Lower Upper

127 100

129 82.6 26.4 39.6#

65 0.0 23.8 35.8#

92 0.1 15.3 22.9#



#37

2-Methylnaphthalene

Concen: 153.565 ng

RT: 8.798 min Scan# 1141

Delta R.T. 0.006 min

Lab File: BF134929.D

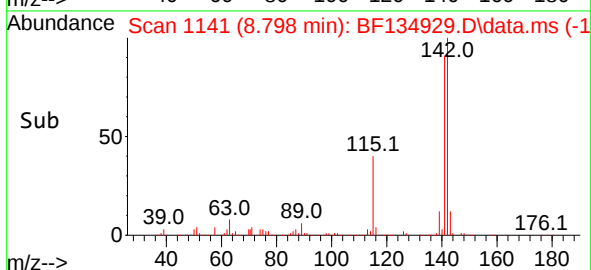
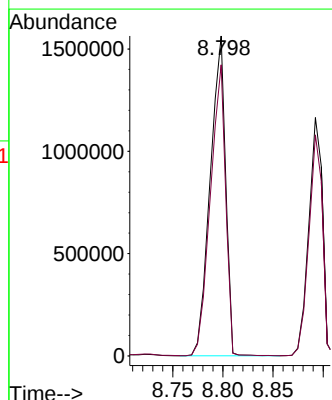
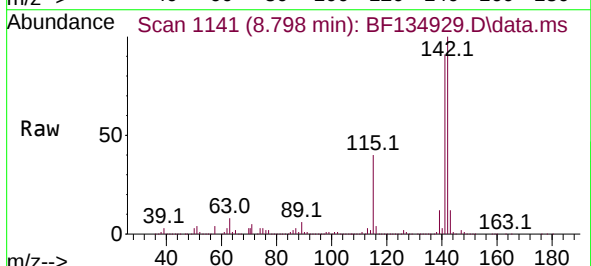
Acq: 24 Aug 2023 17:49

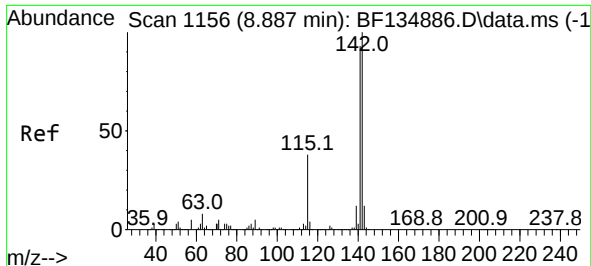
Tgt Ion:142 Resp: 1663591

Ion Ratio Lower Upper

142 100

141 91.0 70.2 105.2





#38

1-Methylnaphthalene

Concen: 108.983 ng

RT: 8.892 min Scan# 1156

Delta R.T. 0.006 min

Lab File: BF134929.D

Acq: 24 Aug 2023 17:49

Instrument :

BNA_F

ClientSampleId :

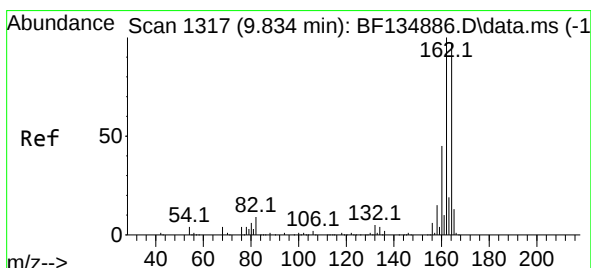
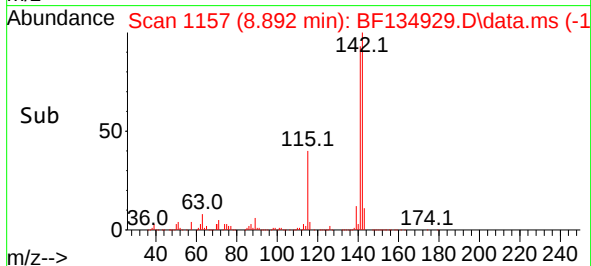
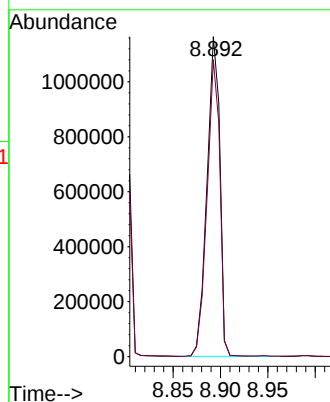
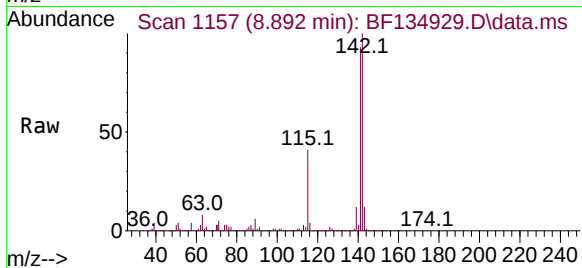
NEVINS-SB04-Z52-53DL

Tgt Ion:142 Resp: 1103974

Ion Ratio Lower Upper

142 100

141 92.8 74.1 111.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.833 min Scan# 1317

Delta R.T. -0.000 min

Lab File: BF134929.D

Acq: 24 Aug 2023 17:49

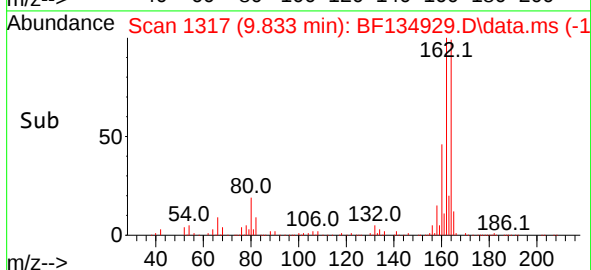
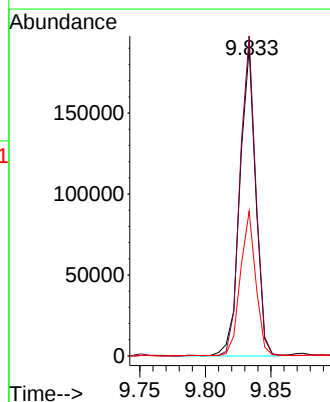
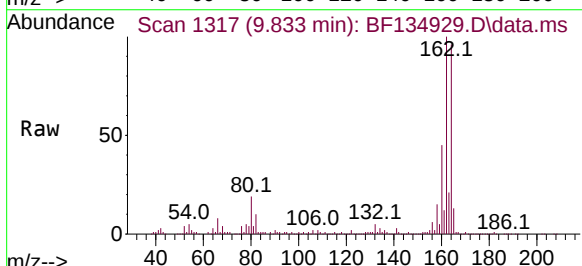
Tgt Ion:164 Resp: 160182

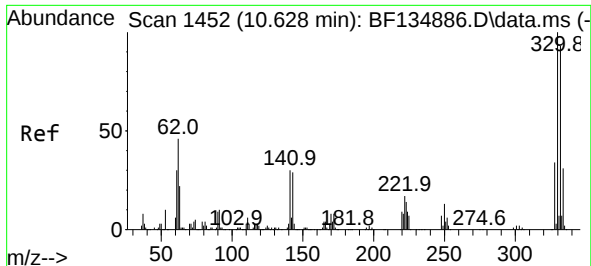
Ion Ratio Lower Upper

164 100

162 104.0 82.6 123.8

160 47.0 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 0.342 ng

RT: 10.627 min Scan# 1452

Delta R.T. -0.000 min

Lab File: BF134929.D

Acq: 24 Aug 2023 17:49

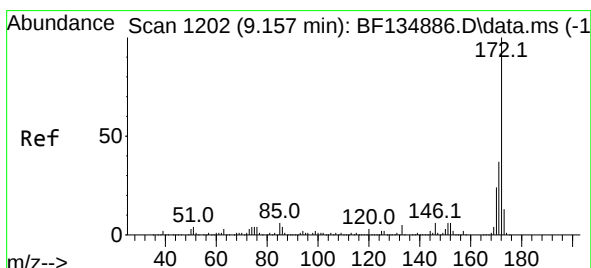
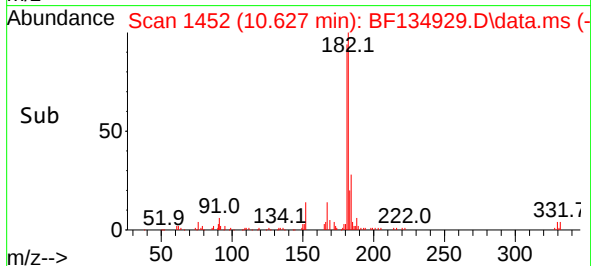
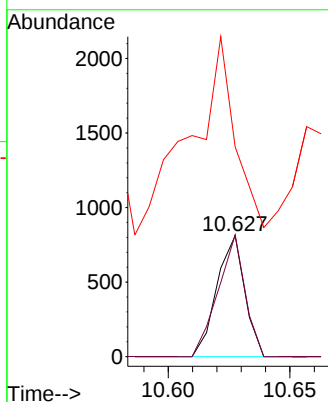
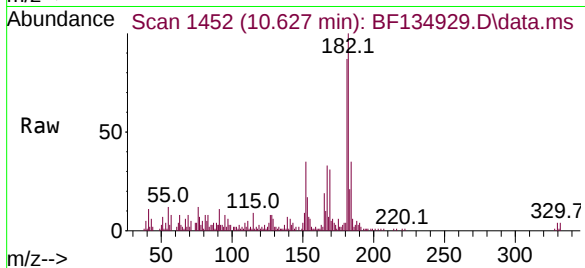
Instrument :

BNA_F

ClientSampleId :

NEVINS-SB04-Z52-53DL

Tgt Ion:	330	Resp:	646
Ion Ratio	Lower	Upper	
330	100		
332	98.0	76.3	114.5
141	269.2	23.4	35.2#



#45

2-Fluorobiphenyl

Concen: 0.728 ng

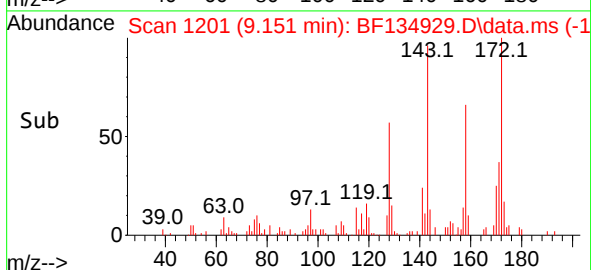
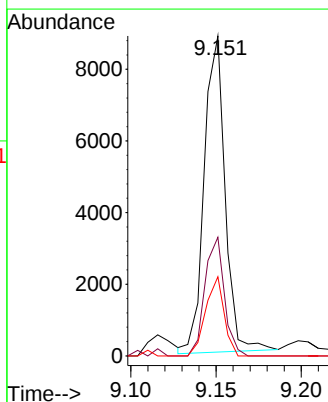
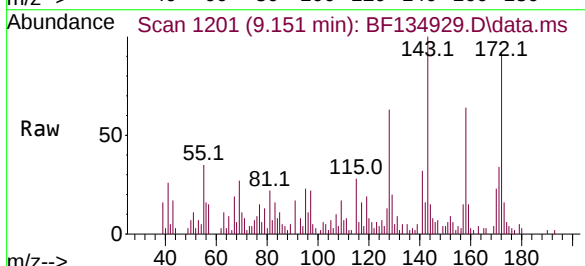
RT: 9.151 min Scan# 1201

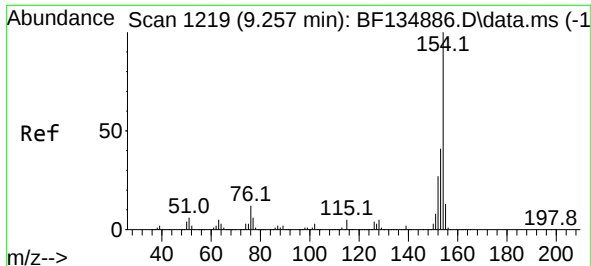
Delta R.T. -0.006 min

Lab File: BF134929.D

Acq: 24 Aug 2023 17:49

Tgt Ion:	172	Resp:	7545
Ion Ratio	Lower	Upper	
172	100		
171	37.1	29.4	44.0
170	24.8	19.6	29.4

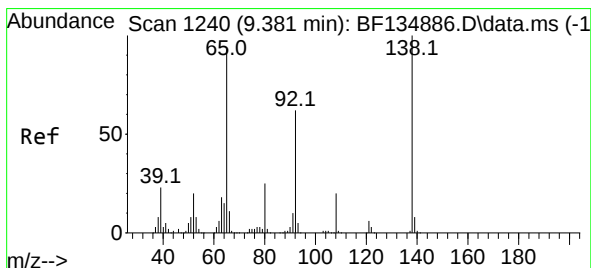
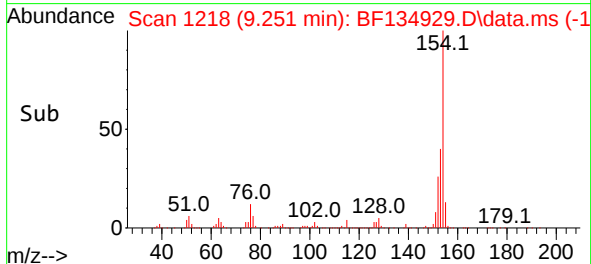
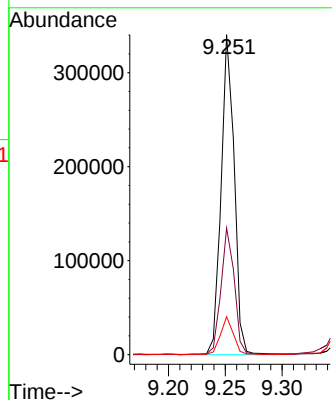
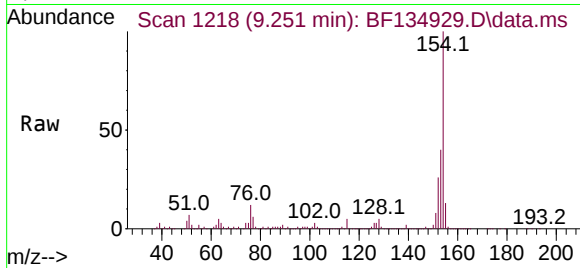




#46
1,1'-Biphenyl
Concen: 21.574 ng
RT: 9.251 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134929.D
Acq: 24 Aug 2023 17:49

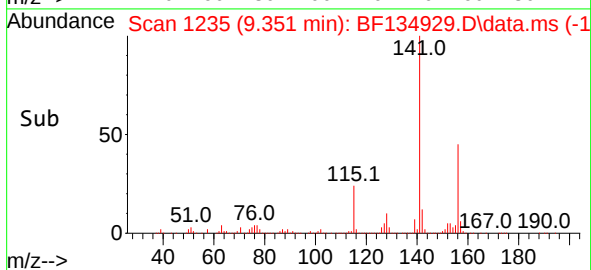
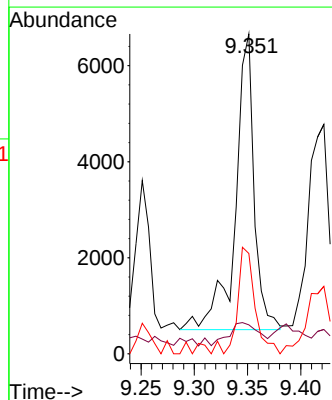
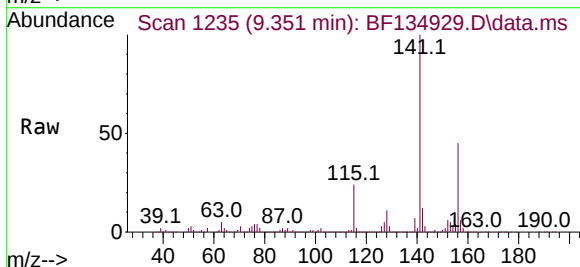
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB04-Z52-53DL

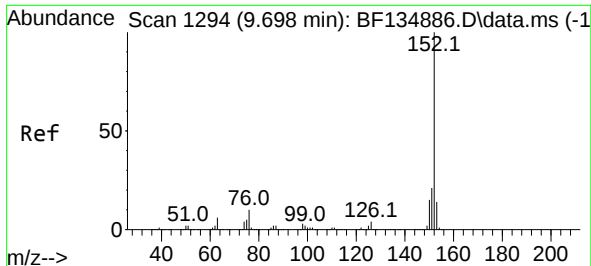
Tgt Ion:154 Resp: 272832
Ion Ratio Lower Upper
154 100
153 39.6 21.3 61.3
76 11.8 0.0 31.8



#48
2-Nitroaniline
Concen: 2.441 ng
RT: 9.351 min Scan# 1235
Delta R.T. -0.030 min
Lab File: BF134929.D
Acq: 24 Aug 2023 17:49

Tgt Ion: 65 Resp: 7579
Ion Ratio Lower Upper
65 100
92 9.1 53.8 80.8#
138 31.4 86.5 129.7#





#49

Acenaphthylene

Concen: 11.603 ng

RT: 9.692 min Scan# 1294

Delta R.T. -0.006 min

Lab File: BF134929.D

Acq: 24 Aug 2023 17:49

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB04-Z52-53DL

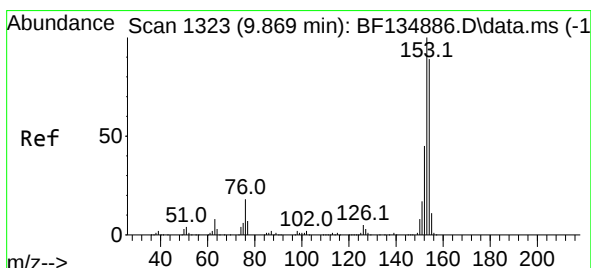
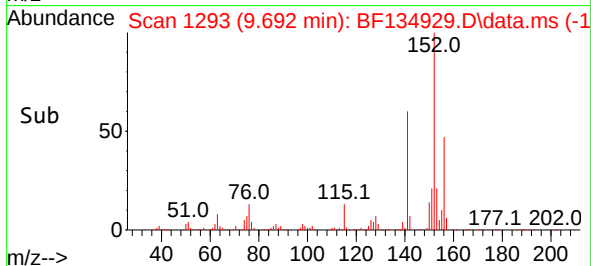
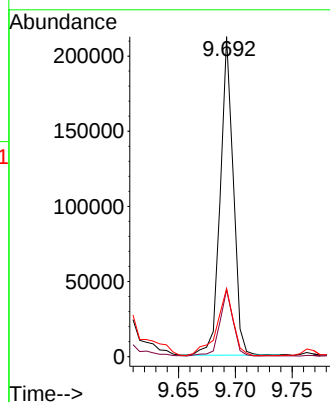
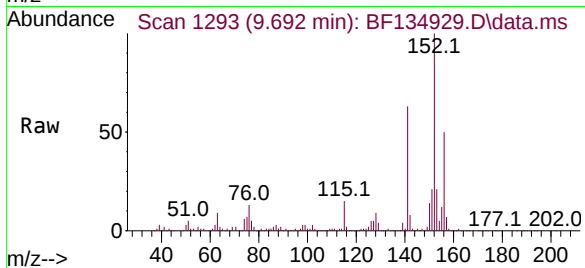
Tgt Ion:152 Resp: 168759

Ion Ratio Lower Upper

152 100

151 20.9 16.5 24.7

153 21.3 11.3 16.9#



#52

Acenaphthene

Concen: 78.733 ng

RT: 9.869 min Scan# 1323

Delta R.T. -0.000 min

Lab File: BF134929.D

Acq: 24 Aug 2023 17:49

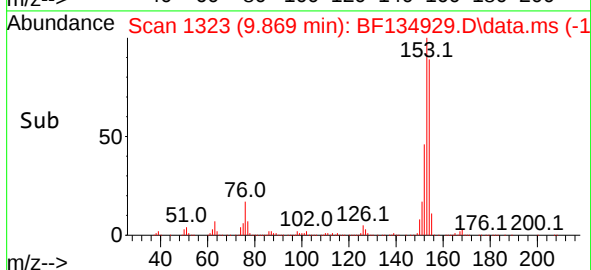
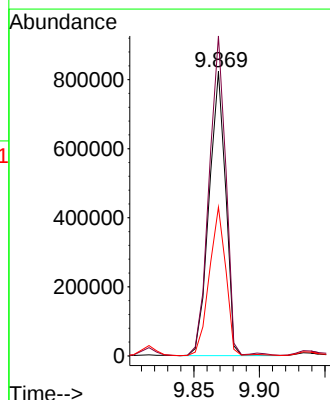
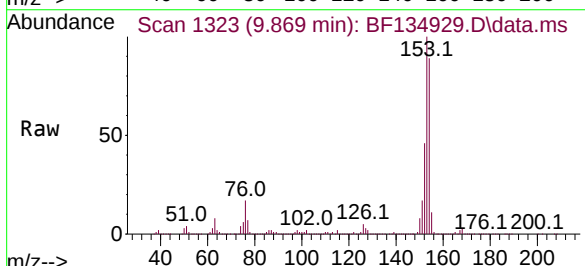
Tgt Ion:154 Resp: 721377

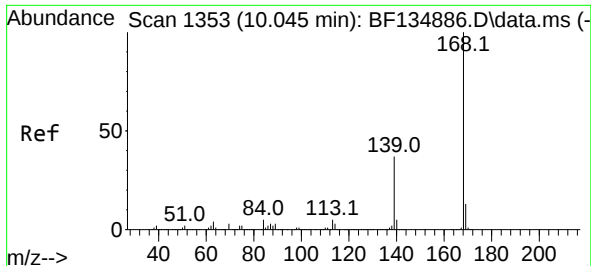
Ion Ratio Lower Upper

154 100

153 112.5 89.6 134.4

152 52.3 40.5 60.7

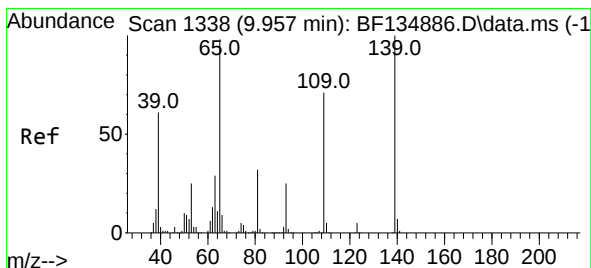
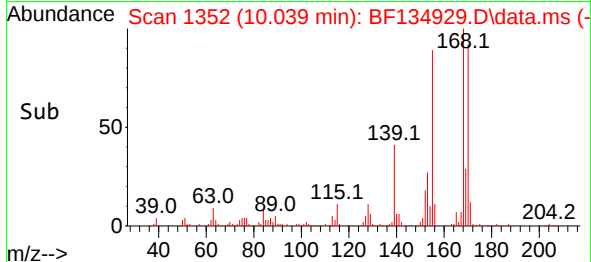
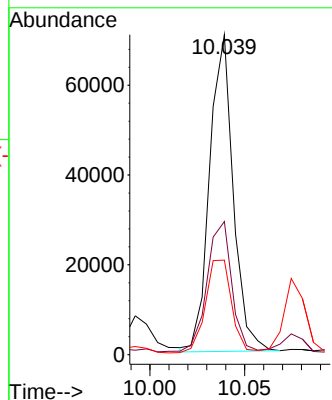
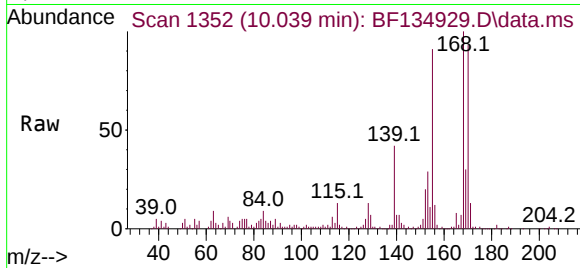




#55
Dibenzofuran
Concen: 4.576 ng
RT: 10.039 min Scan# 1353
Delta R.T. -0.006 min
Lab File: BF134929.D
Acq: 24 Aug 2023 17:49

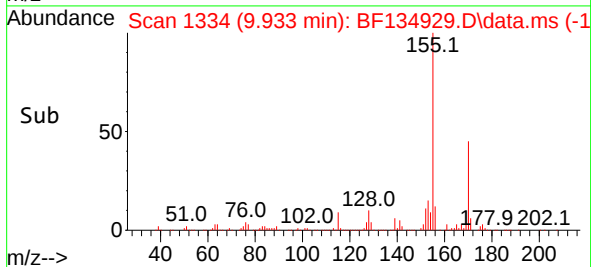
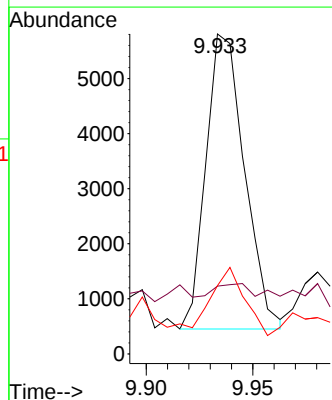
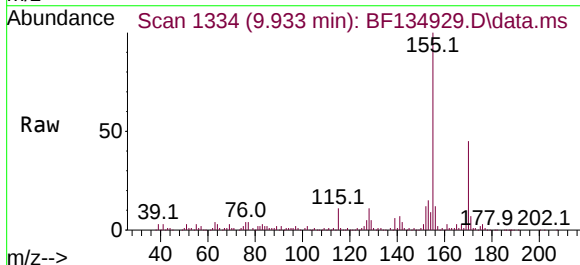
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB04-Z52-53DL

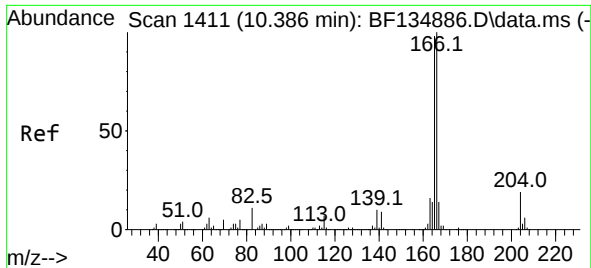
Tgt Ion:168 Resp: 61048
Ion Ratio Lower Upper
168 100
139 41.6 29.5 44.3
169 29.5 10.7 16.1#



#56
4-Nitrophenol
Concen: 3.534 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.024 min
Lab File: BF134929.D
Acq: 24 Aug 2023 17:49

Tgt Ion:139 Resp: 6764
Ion Ratio Lower Upper
139 100
109 21.2 51.0 91.0#
65 21.3 78.5 118.5#

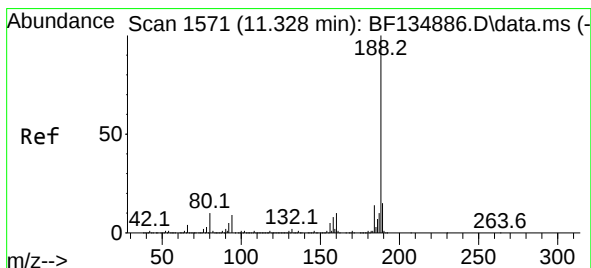
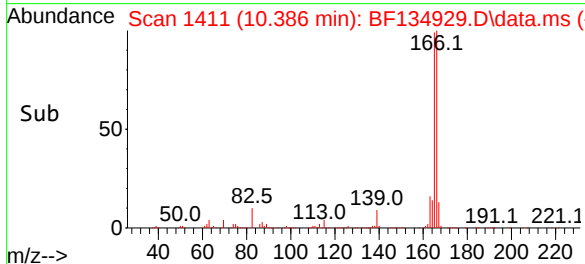
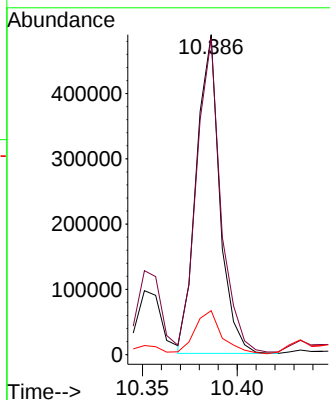
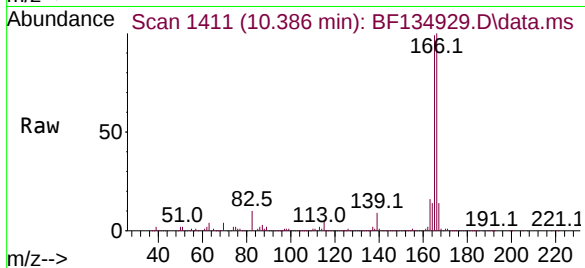




#58
Fluorene
Concen: 41.474 ng
RT: 10.386 min Scan# 1411
Delta R.T. 0.000 min
Lab File: BF134929.D
Acq: 24 Aug 2023 17:49

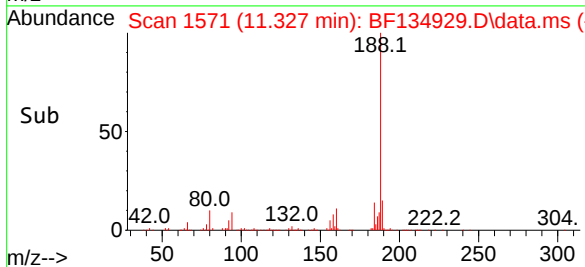
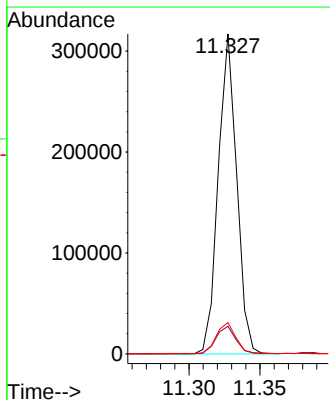
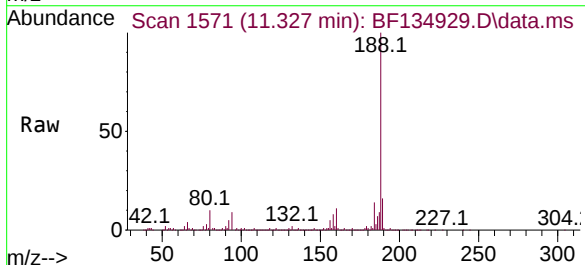
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB04-Z52-53DL

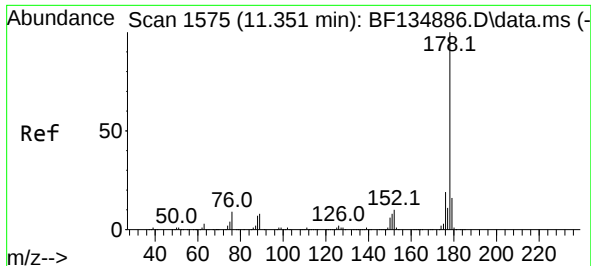
Tgt Ion:166 Resp: 419618
Ion Ratio Lower Upper
166 100
165 98.8 78.5 117.7
167 13.7 11.0 16.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1571
Delta R.T. -0.000 min
Lab File: BF134929.D
Acq: 24 Aug 2023 17:49

Tgt Ion:188 Resp: 287357
Ion Ratio Lower Upper
188 100
94 8.6 7.5 11.3
80 9.8 7.8 11.6

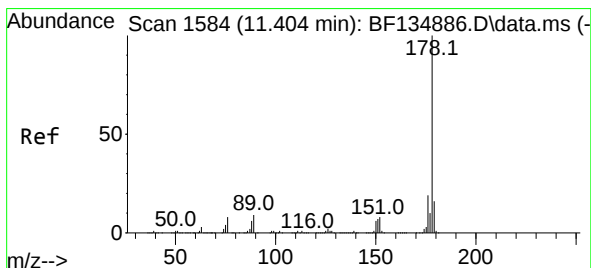
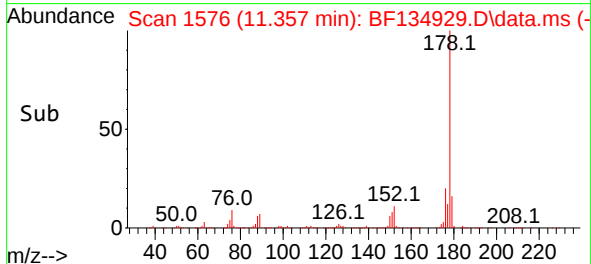
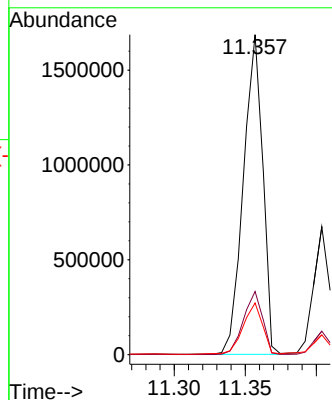
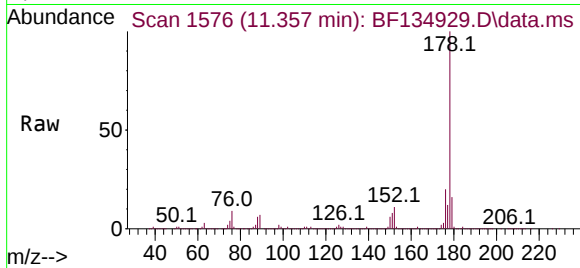




#71
Phenanthrene
Concen: 105.851 ng
RT: 11.357 min Scan# 1575
Delta R.T. 0.006 min
Lab File: BF134929.D
Acq: 24 Aug 2023 17:49

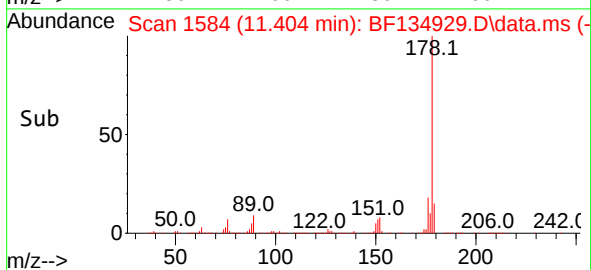
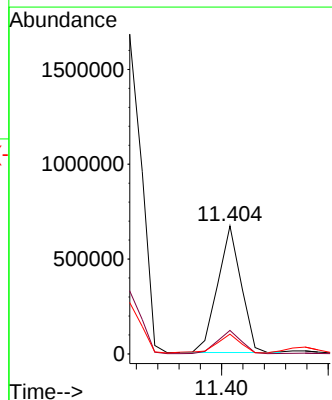
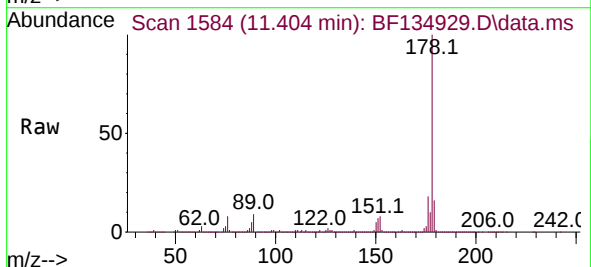
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB04-Z52-53DL

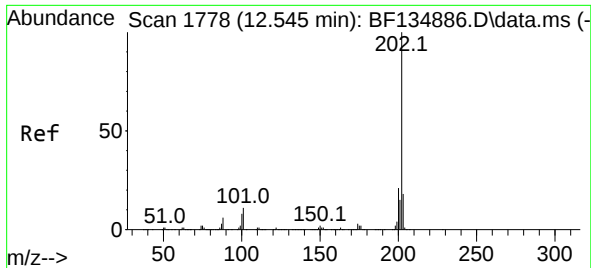
Tgt Ion:178 Resp: 1593906
Ion Ratio Lower Upper
178 100
176 19.7 15.5 23.3
179 16.1 12.6 19.0



#72
Anthracene
Concen: 33.129 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF134929.D
Acq: 24 Aug 2023 17:49

Tgt Ion:178 Resp: 511127
Ion Ratio Lower Upper
178 100
176 18.4 15.0 22.6
179 15.5 12.5 18.7

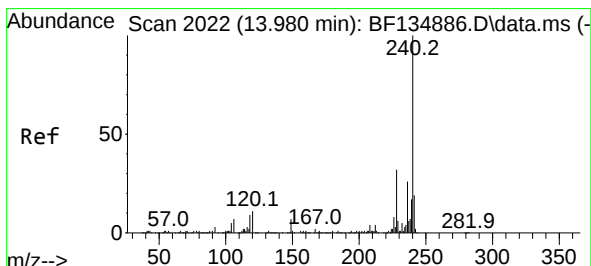
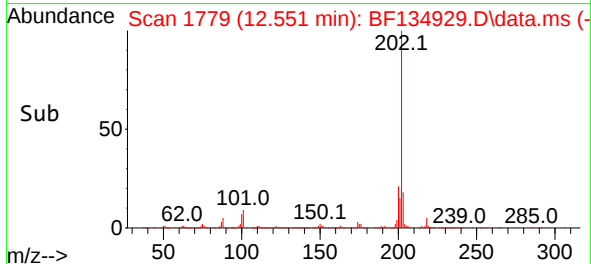
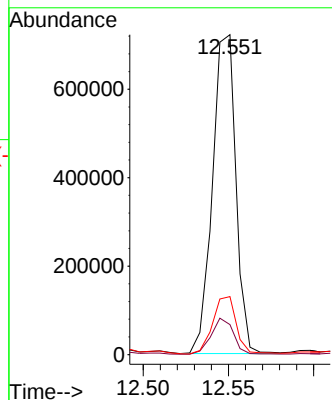
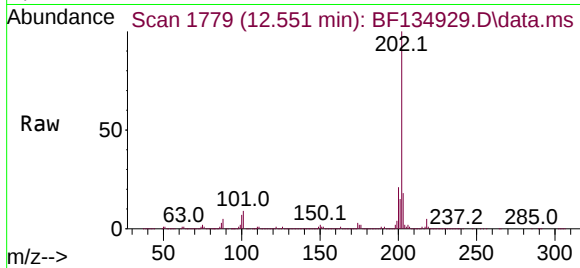




#75
Fluoranthene
Concen: 48.345 ng
RT: 12.551 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF134929.D
Acq: 24 Aug 2023 17:49

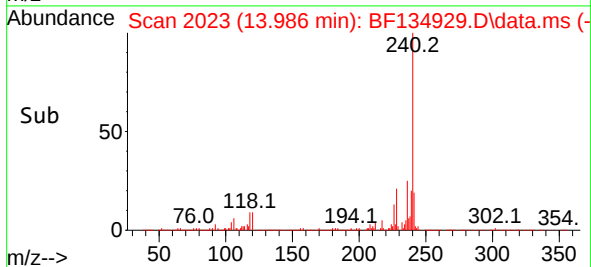
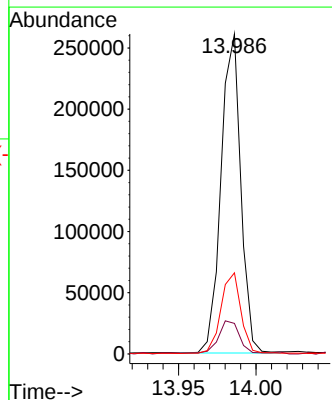
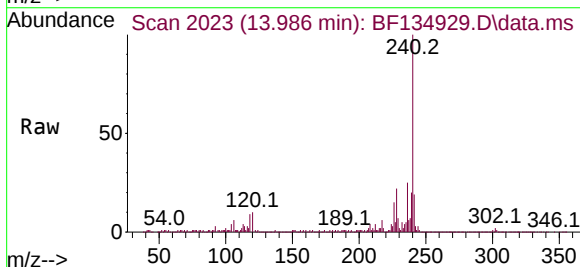
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB04-Z52-53DL

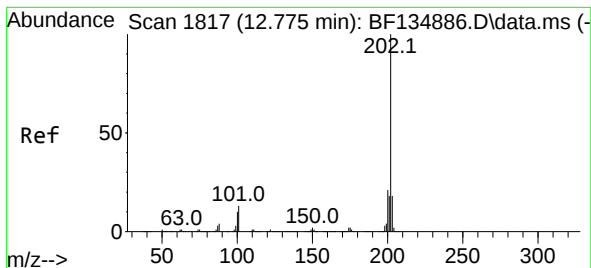
Tgt Ion:202 Resp: 689766
Ion Ratio Lower Upper
202 100
101 9.4 0.0 30.5
203 18.1 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2023
Delta R.T. 0.006 min
Lab File: BF134929.D
Acq: 24 Aug 2023 17:49

Tgt Ion:240 Resp: 232348
Ion Ratio Lower Upper
240 100
120 9.5 8.6 12.8
236 25.3 20.6 31.0





#78

Pyrene

Concen: 41.437 ng

RT: 12.780 min Scan# 1817

Delta R.T. 0.006 min

Lab File: BF134929.D

Acq: 24 Aug 2023 17:49

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB04-Z52-53DL

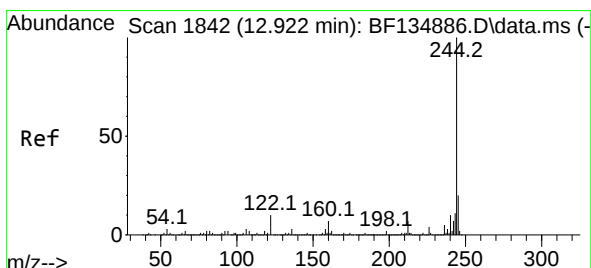
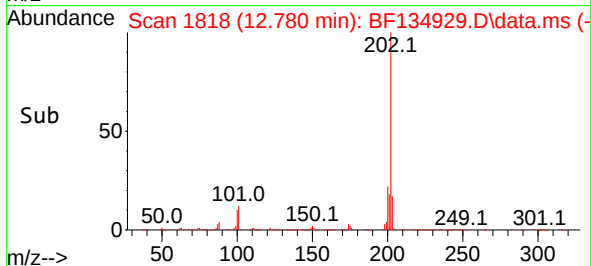
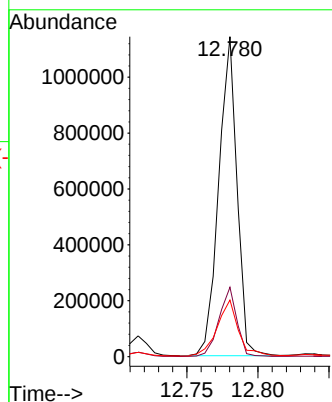
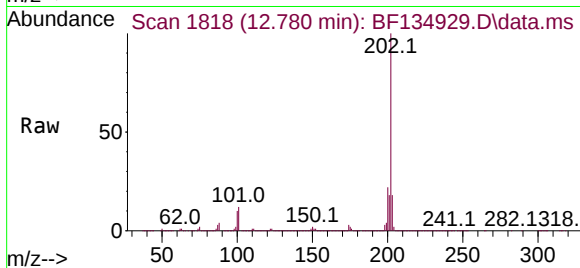
Tgt Ion:202 Resp: 1020787

Ion Ratio Lower Upper

202 100

200 21.7 17.1 25.7

203 17.7 14.2 21.2



#79

Terphenyl-d14

Concen: 0.567 ng

RT: 12.921 min Scan# 1842

Delta R.T. -0.001 min

Lab File: BF134929.D

Acq: 24 Aug 2023 17:49

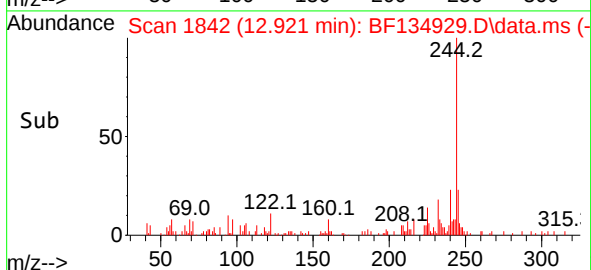
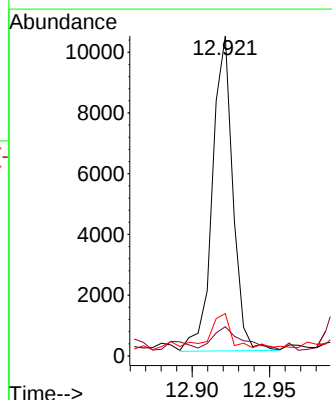
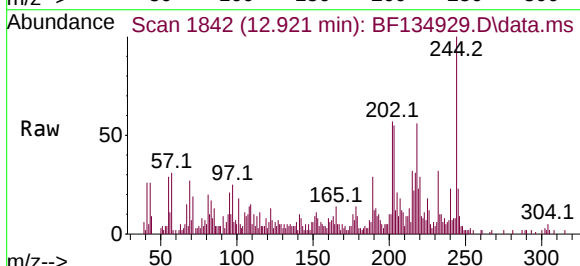
Tgt Ion:244 Resp: 9573

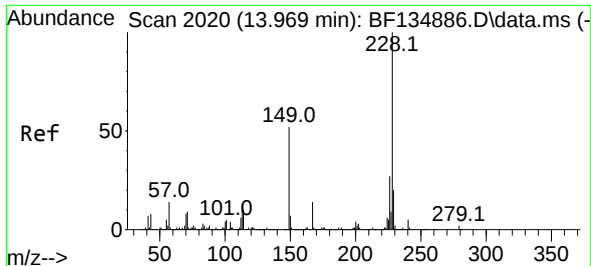
Ion Ratio Lower Upper

244 100

212 9.1 5.4 8.0#

122 13.2 8.2 12.4#

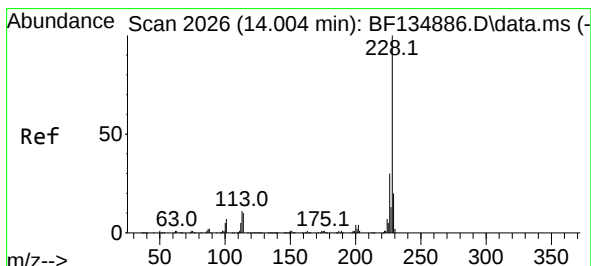
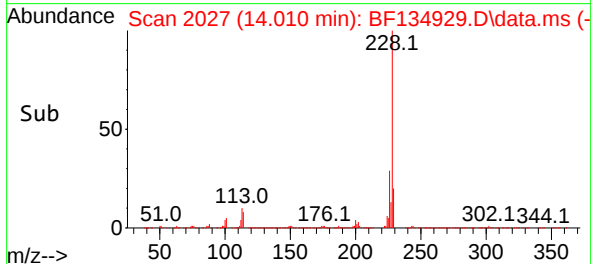
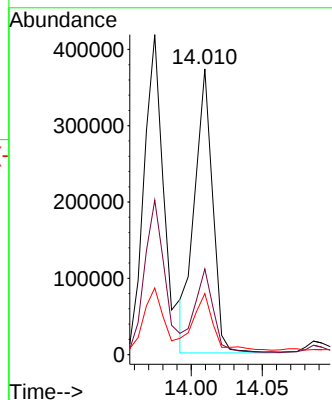
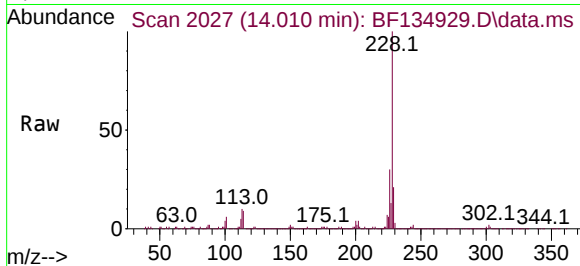




#81
Benzo(a)anthracene
Concen: 20.887 ng
RT: 14.010 min Scan# 20
Delta R.T. 0.041 min
Lab File: BF134929.D
Acq: 24 Aug 2023 17:49

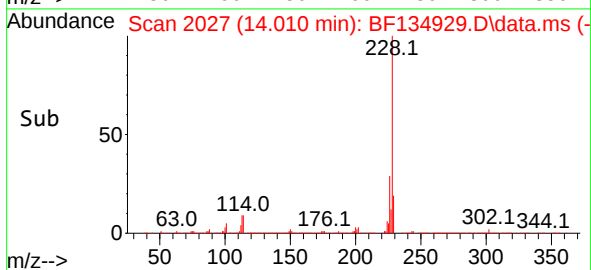
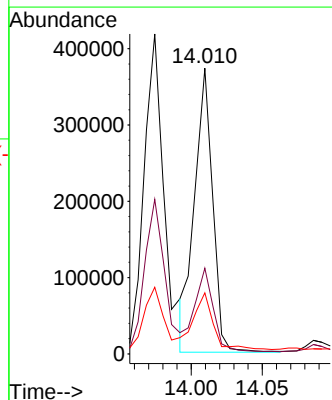
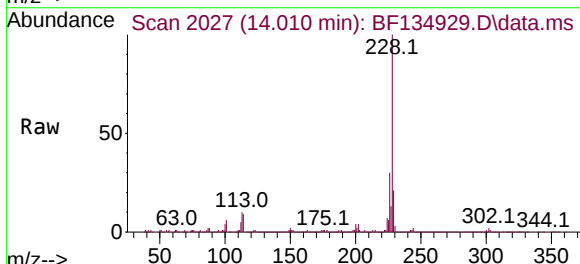
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB04-Z52-53DL

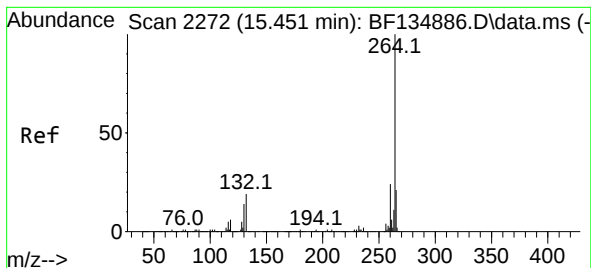
Tgt Ion:228 Resp: 331113
Ion Ratio Lower Upper
228 100
226 30.0 21.8 32.6
229 21.3 15.6 23.4



#83
Chrysene
Concen: 21.169 ng
RT: 14.010 min Scan# 2027
Delta R.T. 0.006 min
Lab File: BF134929.D
Acq: 24 Aug 2023 17:49

Tgt Ion:228 Resp: 331113
Ion Ratio Lower Upper
228 100
226 30.0 24.2 36.2
229 21.3 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.462 min Scan# 2274

Delta R.T. 0.012 min

Lab File: BF134929.D

Acq: 24 Aug 2023 17:49

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB04-Z52-53DL

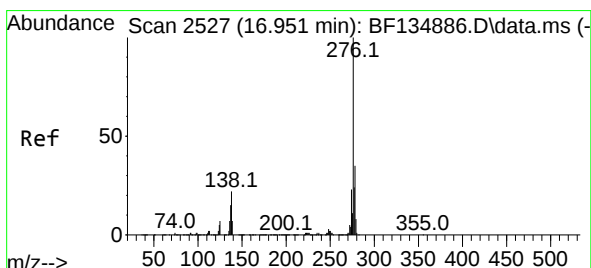
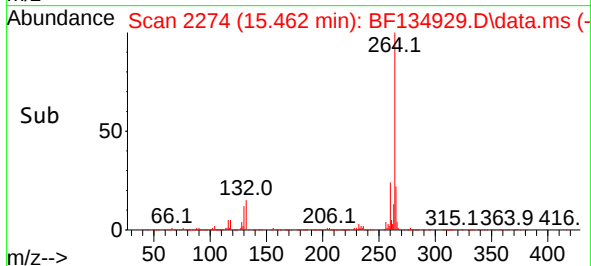
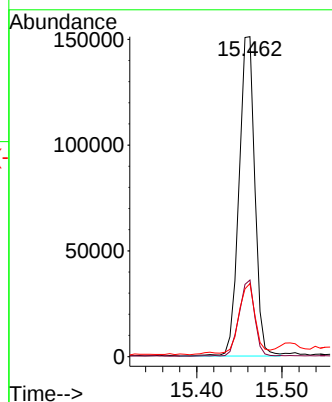
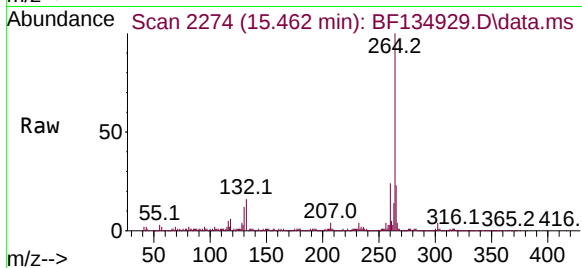
Tgt Ion:264 Resp: 194383

Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.6

265 22.8 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.661 ng

RT: 16.951 min Scan# 2527

Delta R.T. -0.000 min

Lab File: BF134929.D

Acq: 24 Aug 2023 17:49

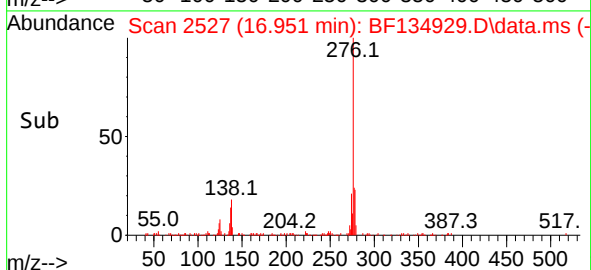
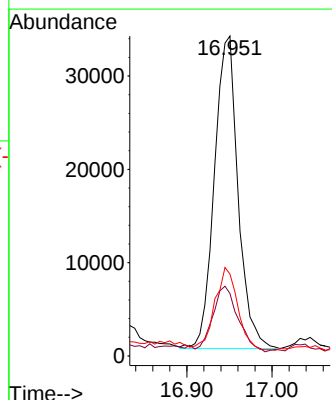
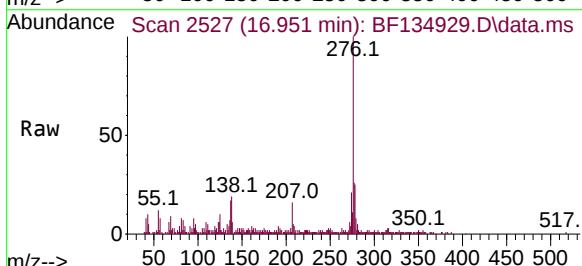
Tgt Ion:276 Resp: 64755

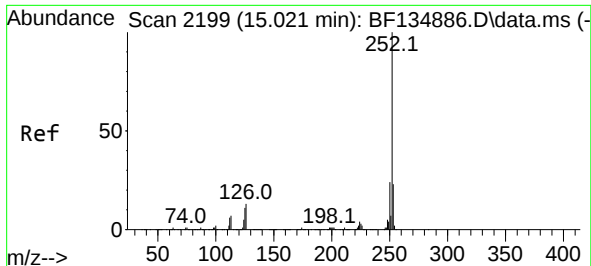
Ion Ratio Lower Upper

276 100

138 22.3 19.7 29.5

277 25.8 20.1 30.1

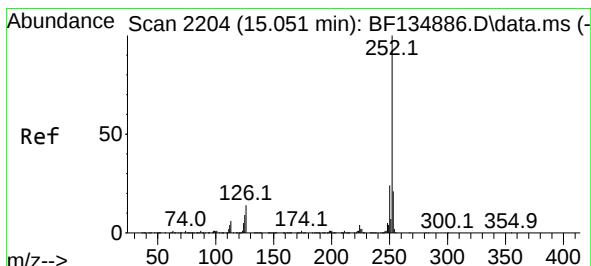
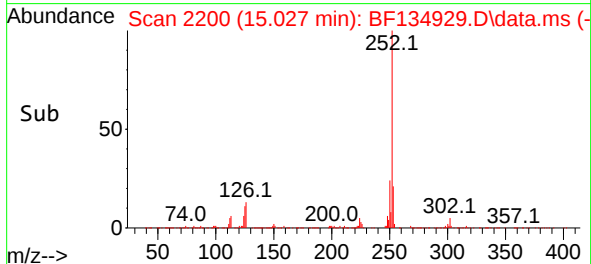
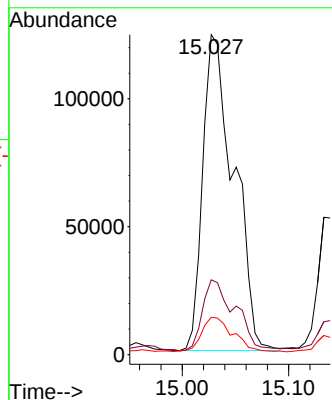
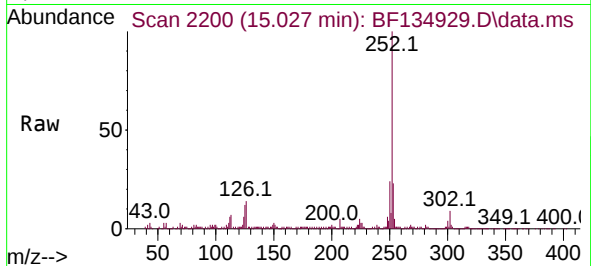




#88
Benzo(b)fluoranthene
Concen: 22.929 ng
RT: 15.027 min Scan# 2199
Delta R.T. 0.006 min
Lab File: BF134929.D
Acq: 24 Aug 2023 17:49

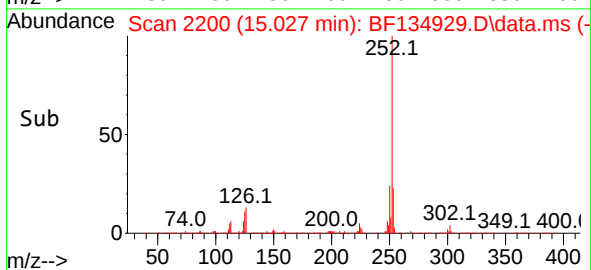
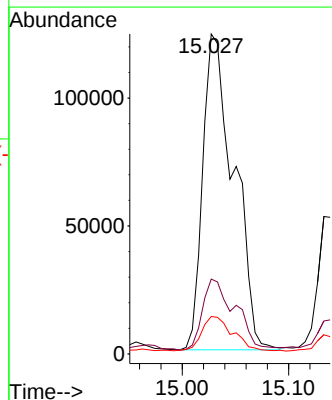
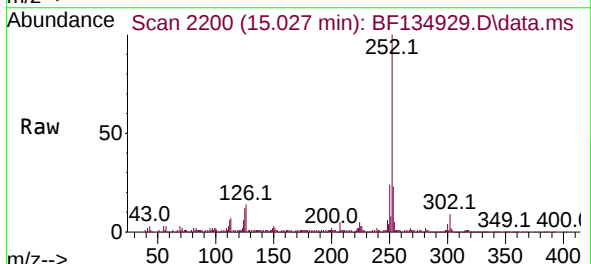
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB04-Z52-53DL

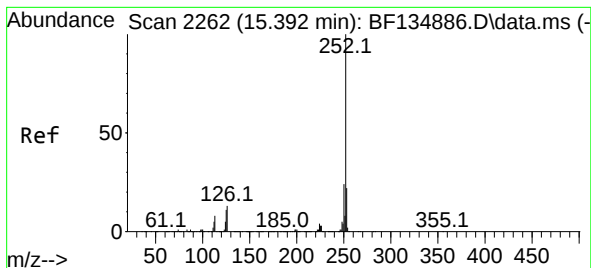
Tgt Ion:252 Resp: 251464
Ion Ratio Lower Upper
252 100
253 23.4 18.1 27.1
125 11.7 8.4 12.6



#89
Benzo(k)fluoranthene
Concen: 23.350 ng
RT: 15.027 min Scan# 2200
Delta R.T. -0.024 min
Lab File: BF134929.D
Acq: 24 Aug 2023 17:49

Tgt Ion:252 Resp: 251464
Ion Ratio Lower Upper
252 100
253 23.4 17.1 25.7
125 11.7 8.0 12.0





#90

Benzo(a)pyrene

Concen: 20.257 ng

RT: 15.398 min Scan# 2262

Delta R.T. 0.006 min

Lab File: BF134929.D

Acq: 24 Aug 2023 17:49

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB04-Z52-53DL

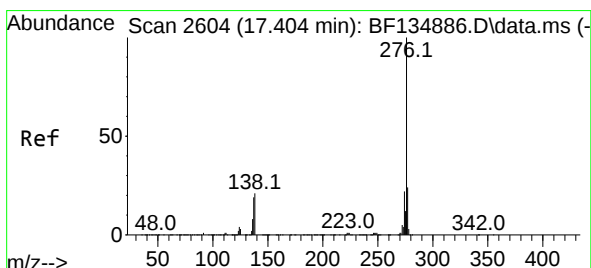
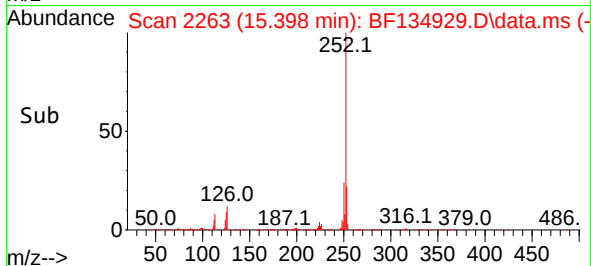
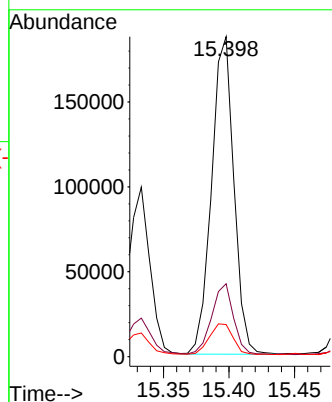
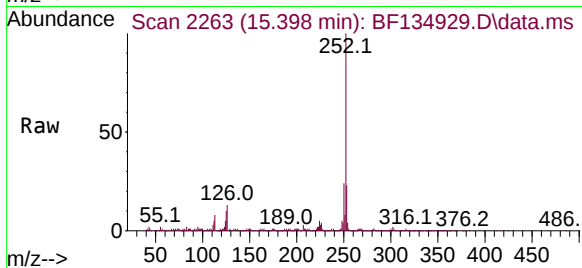
Tgt Ion:252 Resp: 221773

Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

125 10.0 8.4 12.6



#92

Benzo(g,h,i)perylene

Concen: 6.264 ng

RT: 17.404 min Scan# 2604

Delta R.T. -0.000 min

Lab File: BF134929.D

Acq: 24 Aug 2023 17:49

Tgt Ion:276 Resp: 72090

Ion Ratio Lower Upper

276 100

277 24.0 19.2 28.8

138 18.8 17.0 25.6

