

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082523\
 Data File : BF134949.D
 Acq On : 25 Aug 2023 19:40
 Operator : CG\JU
 Sample : 04110-10
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-11(1-2)

Quant Time: Aug 26 02:51:13 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)

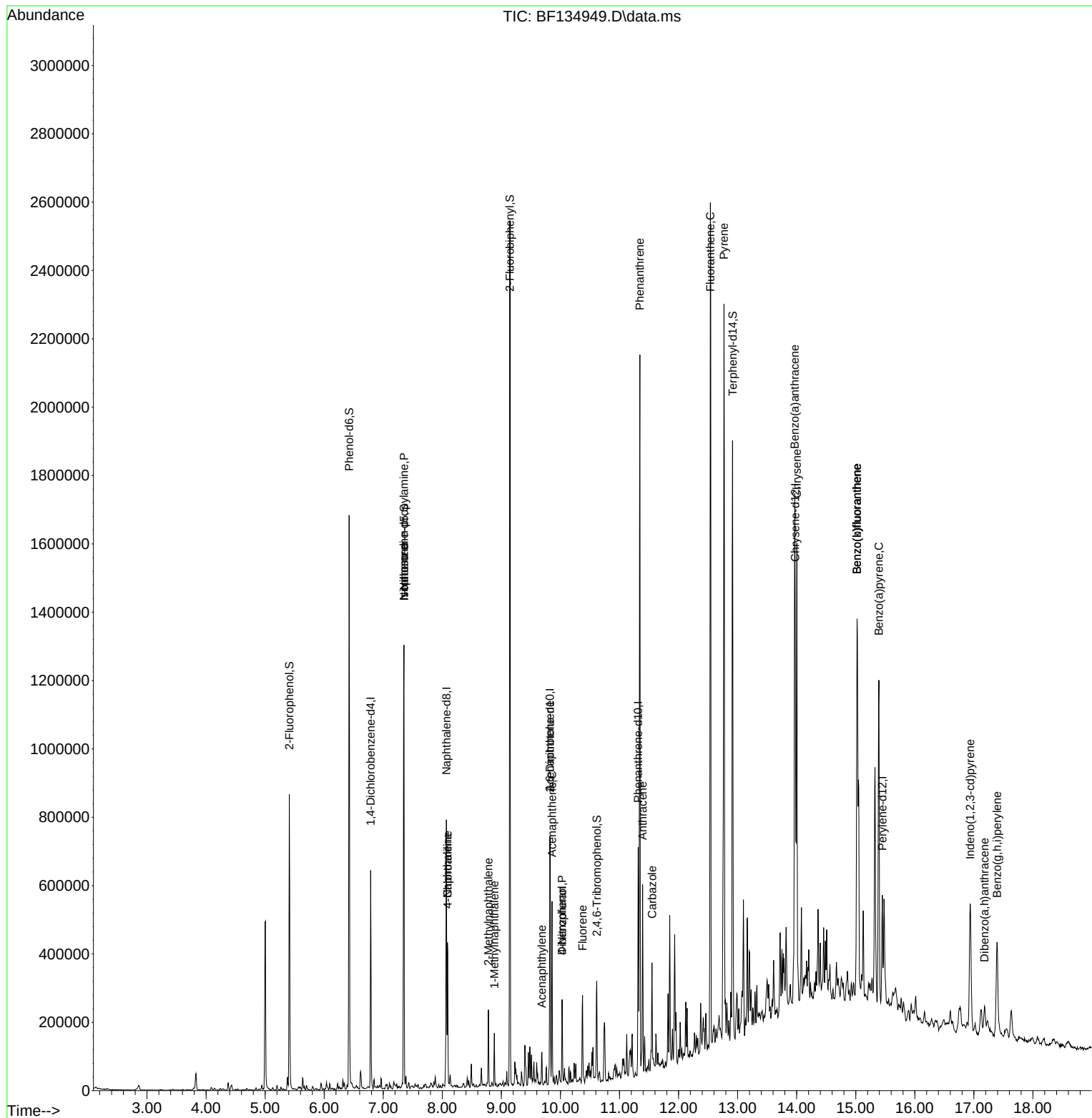
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	81179	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	308617	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	142992	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	241042	20.000	ng	-0.01
76) Chrysene-d12	13.974	240	146297	20.000	ng	0.00
86) Perylene-d12	15.451	264	136426	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	224406	44.081	ng	-0.01
7) Phenol-d6	6.422	99	508029	78.099	ng	-0.02
23) Nitrobenzene-d5	7.351	82	378847	67.643	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	23614	14.022	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	670144	72.450	ng	-0.01
79) Terphenyl-d14	12.916	244	586440	55.134	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	51395	13.528	ng	# 78
20) 3+4-Methylphenols	7.198	107	2199	Below Cal		# 83
25) Isophorone	7.351	82	375763	35.930	ng	# 64
31) Naphthalene	8.086	128	176000	11.421	ng	99
33) 4-Chloroaniline	8.092	127	24009	3.631	ng	# 38
37) 2-Methylnaphthalene	8.781	142	50859	4.949	ng	99
38) 1-Methylnaphthalene	8.881	142	34710	3.612	ng	98
49) Acenaphthylene	9.686	152	31393	2.418	ng	97
51) 2,6-Dinitrotoluene	9.822	165	20225	9.009	ng	# 29
52) Acenaphthene	9.857	154	98027	11.985	ng	99
55) Dibenzofuran	10.028	168	69755	5.858	ng	97
56) 4-Nitrophenol	10.028	139	26968	15.782	ng	# 9
58) Fluorene	10.375	166	60185	6.664	ng	99
71) Phenanthrene	11.345	178	756215	59.870	ng	99
72) Anthracene	11.392	178	187315	14.474	ng	99
73) Carbazole	11.551	167	108440	10.169	ng	99
75) Fluoranthene	12.539	202	1055756	88.215	ng	99
78) Pyrene	12.769	202	920378	59.336	ng	99
81) Benzo(a)anthracene	13.968	228	536397	53.739	ng	96
83) Chrysene	14.004	228	521253	52.928	ng	97
87) Indeno(1,2,3-cd)pyrene	16.939	276	251767	25.818	ng	97
88) Benzo(b)fluoranthene	15.021	252	902936	117.309	ng	100
89) Benzo(k)fluoranthene	15.021	252	902936	119.462	ng	98
90) Benzo(a)pyrene	15.392	252	479187	62.363	ng	100
91) Dibenzo(a,h)anthracene	17.180	278	33311	4.222	ng	93
92) Benzo(g,h,i)perylene	17.392	276	247200	30.605	ng	99

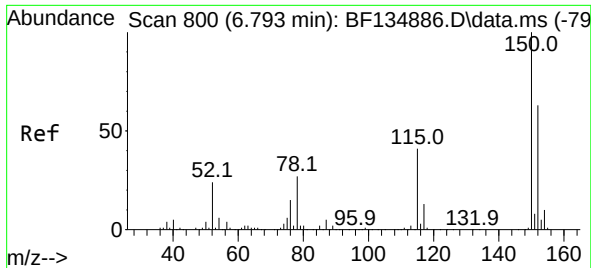
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082523\
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Quant Time: Aug 26 02:51:13 2023
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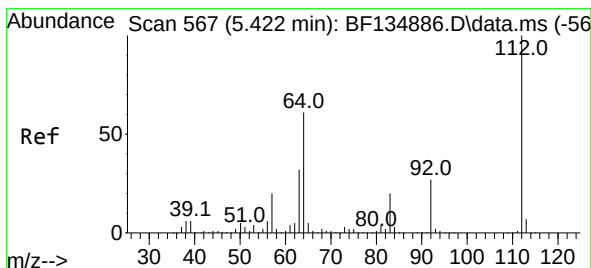
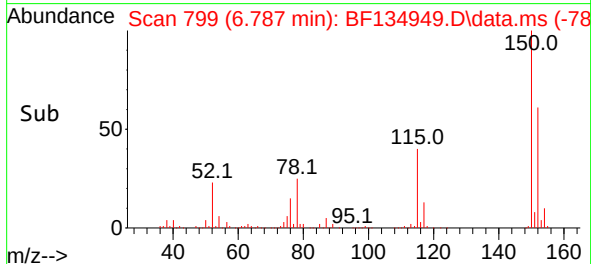
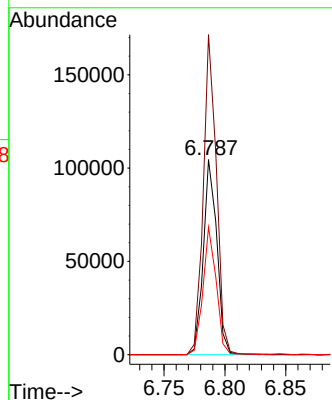
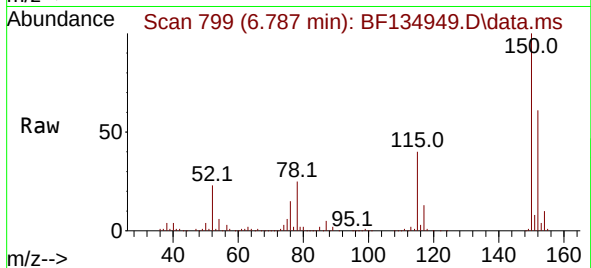




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF134949.D
Acq: 25 Aug 2023 19:40

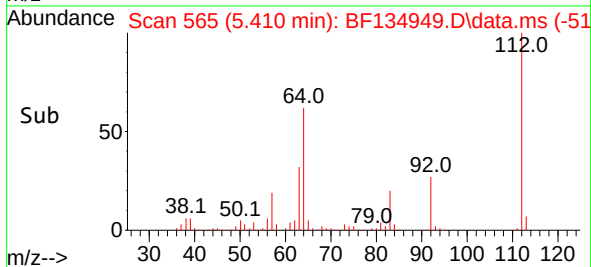
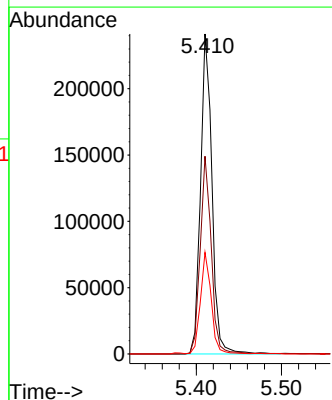
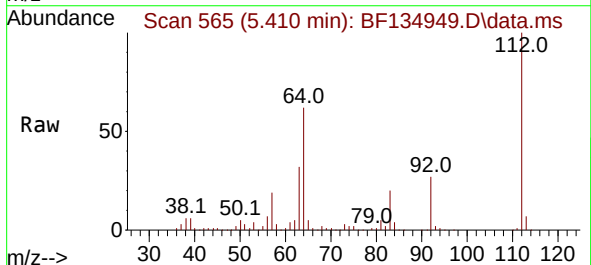
Instrument :
BNA_F
ClientSampleId :
TP-11(1-2)

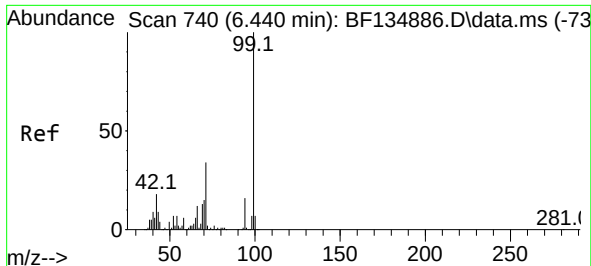
Tgt Ion:152 Resp: 81179
Ion Ratio Lower Upper
152 100
150 164.1 126.1 189.1
115 65.4 51.1 76.7



#5
2-Fluorophenol
Concen: 44.081 ng
RT: 5.410 min Scan# 565
Delta R.T. -0.012 min
Lab File: BF134949.D
Acq: 25 Aug 2023 19:40

Tgt Ion:112 Resp: 224406
Ion Ratio Lower Upper
112 100
64 61.8 48.6 73.0
63 31.7 25.7 38.5

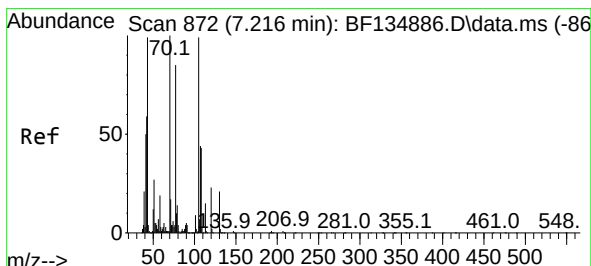
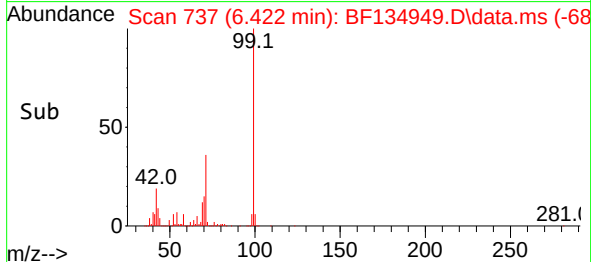
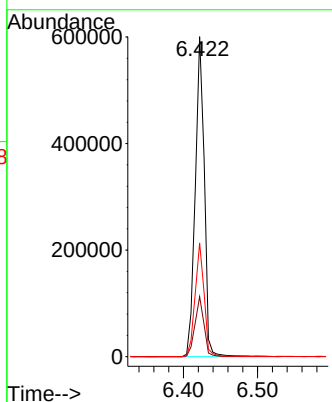
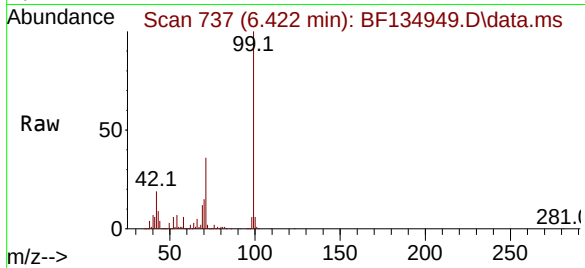




#7
Phenol-d6
Concen: 78.099 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF134949.D
Acq: 25 Aug 2023 19:40

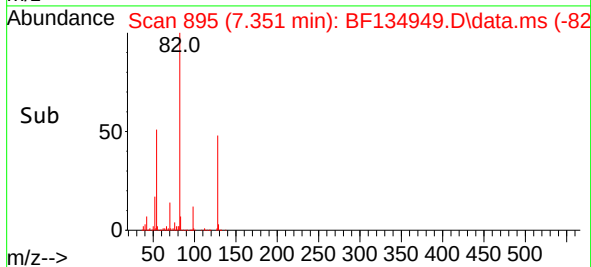
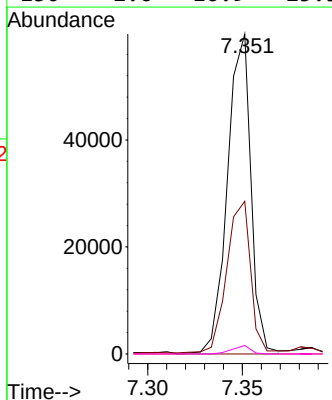
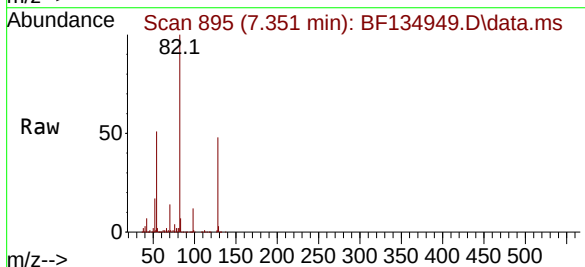
Instrument :
BNA_F
ClientSampleId :
TP-11(1-2)

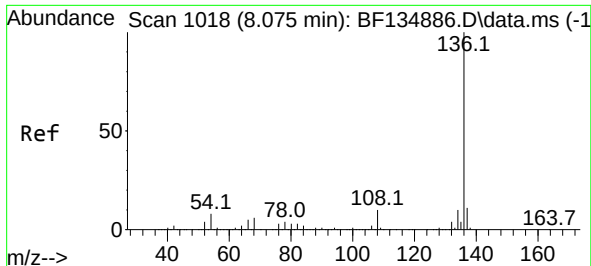
Tgt Ion: 99 Resp: 508029
Ion Ratio Lower Upper
99 100
42 18.8 14.6 22.0
71 35.5 27.6 41.4



#19
n-Nitroso-di-n-propylamine
Concen: 13.528 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.135 min
Lab File: BF134949.D
Acq: 25 Aug 2023 19:40

Tgt Ion: 70 Resp: 51395
Ion Ratio Lower Upper
70 100
42 47.7 46.9 70.3
101 0.0 7.5 11.3#
130 2.6 16.9 25.3#



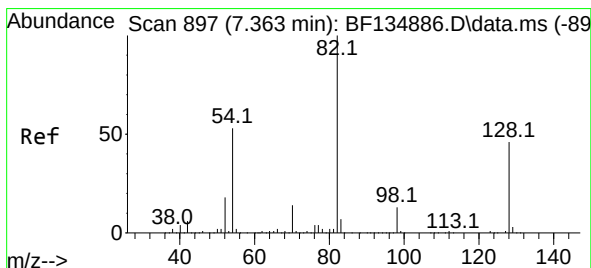
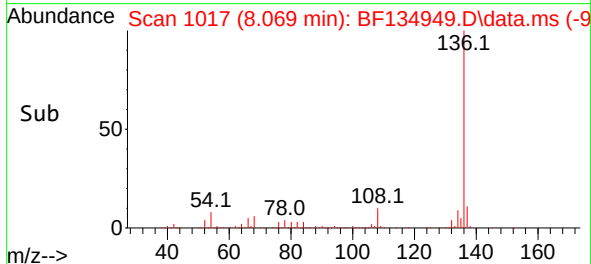
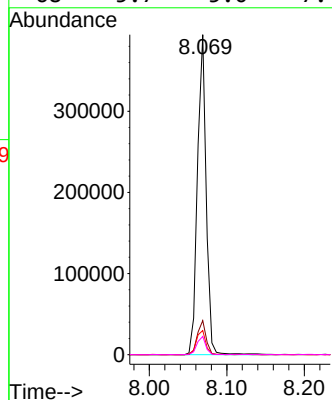
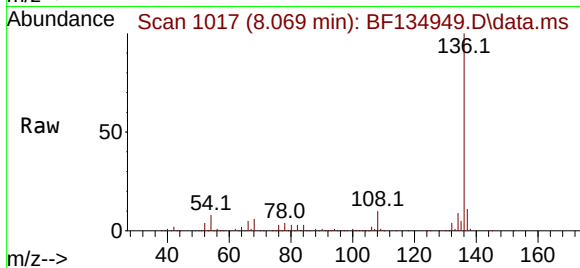


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134949.D
Acq: 25 Aug 2023 19:40

Instrument :
BNA_F
ClientSampleId :
TP-11(1-2)

Tgt Ion:136 Resp: 308617

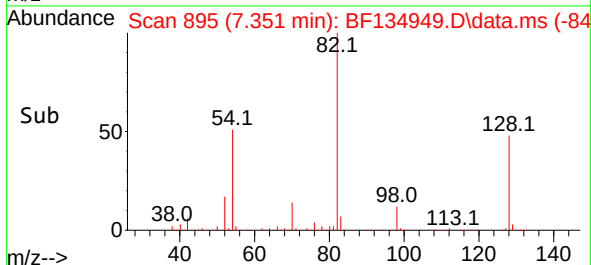
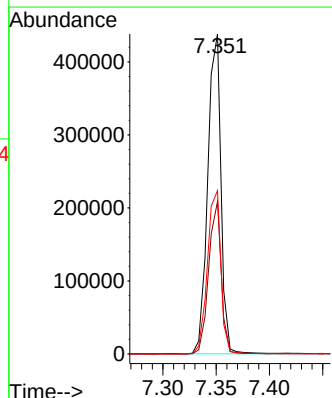
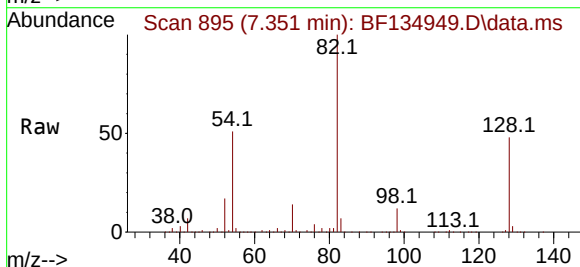
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	7.6	6.6	9.8
68	5.7	5.0	7.4

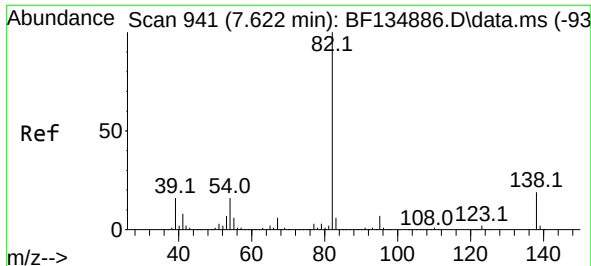


#23
Nitrobenzene-d5
Concen: 67.643 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF134949.D
Acq: 25 Aug 2023 19:40

Tgt Ion: 82 Resp: 378847

Ion	Ratio	Lower	Upper
82	100		
128	47.6	36.6	54.8
54	51.0	42.6	63.8

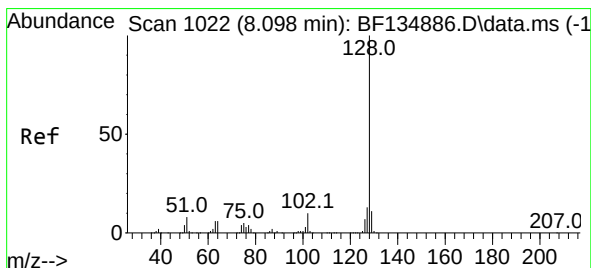
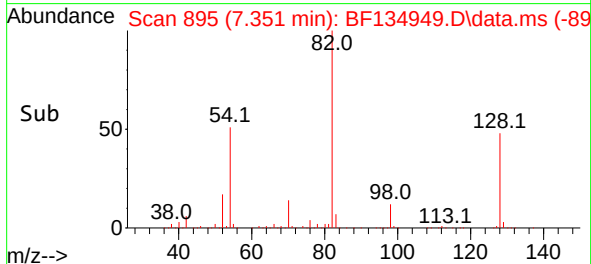
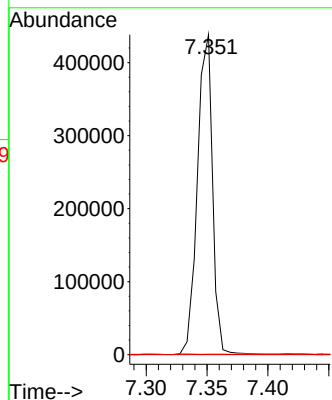
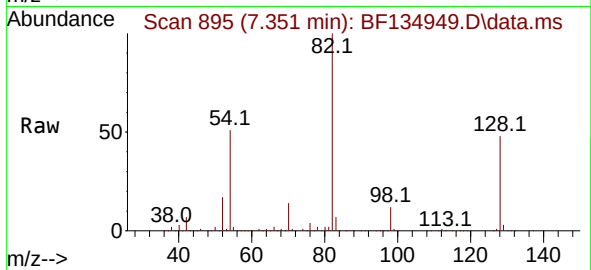




#25
Isophorone
Concen: 35.930 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.271 min
Lab File: BF134949.D
Acq: 25 Aug 2023 19:40

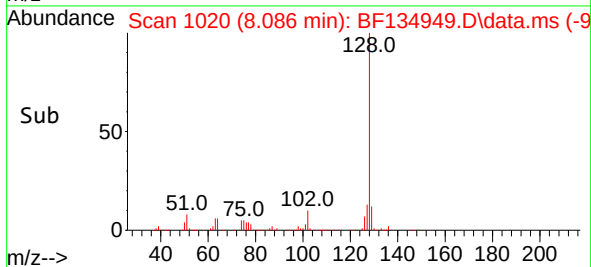
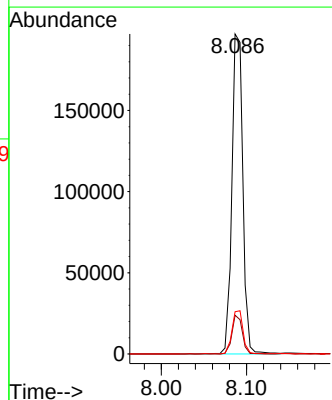
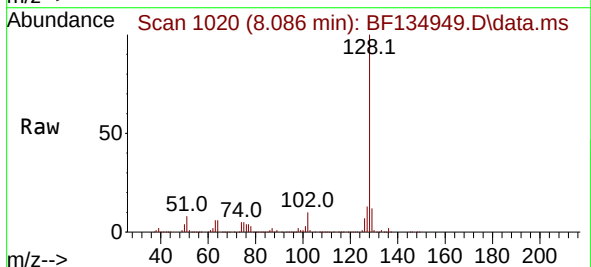
Instrument :
BNA_F
ClientSampleId :
TP-11(1-2)

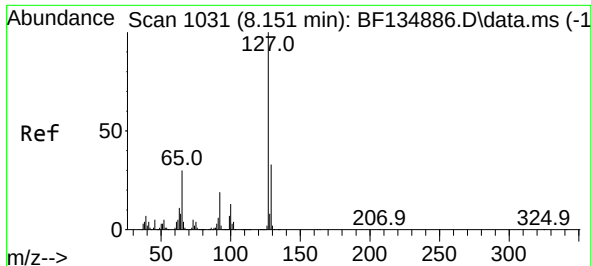
Tgt Ion: 82 Resp: 375763
Ion Ratio Lower Upper
82 100
95 0.1 5.9 8.9#
138 0.0 14.9 22.3#



#31
Naphthalene
Concen: 11.421 ng
RT: 8.086 min Scan# 1020
Delta R.T. -0.012 min
Lab File: BF134949.D
Acq: 25 Aug 2023 19:40

Tgt Ion: 128 Resp: 176000
Ion Ratio Lower Upper
128 100
129 12.1 9.0 13.4
127 13.2 10.6 16.0

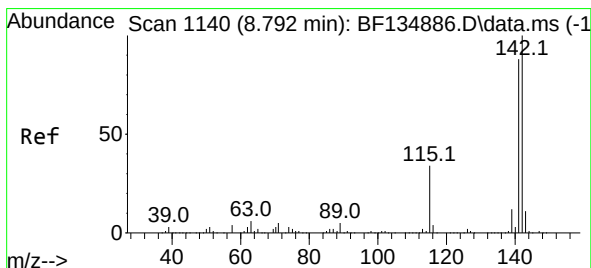
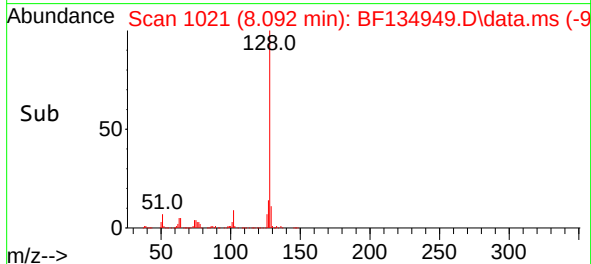
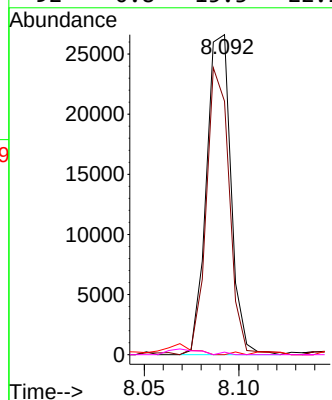
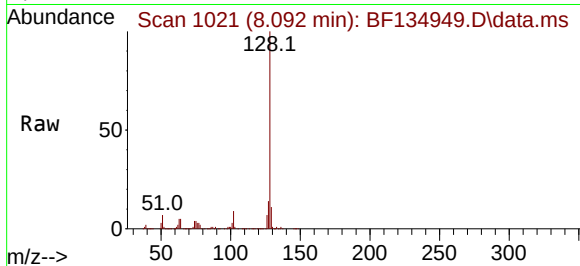




#33
4-Chloroaniline
Concen: 3.631 ng
RT: 8.092 min Scan# 1138
Delta R.T. -0.059 min
Lab File: BF134949.D
Acq: 25 Aug 2023 19:40

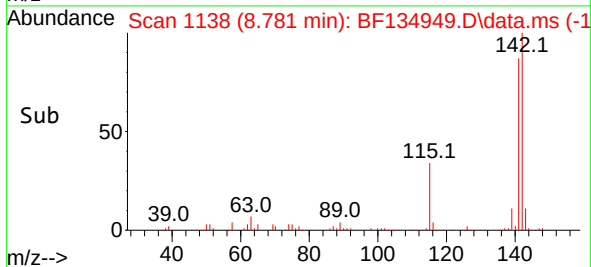
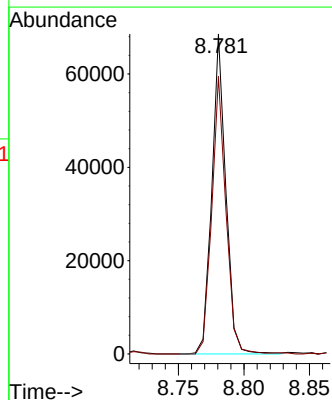
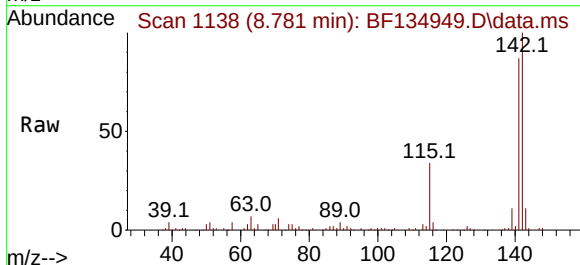
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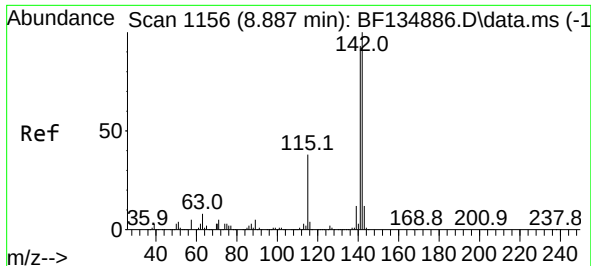
Tgt Ion:127	Resp:	24009
Ion Ratio	Lower	Upper
127	100	
129	79.2	26.4 39.6#
65	0.0	23.8 35.8#
92	0.8	15.3 22.9#



#37
2-Methylnaphthalene
Concen: 4.949 ng
RT: 8.781 min Scan# 1138
Delta R.T. -0.012 min
Lab File: BF134949.D
Acq: 25 Aug 2023 19:40

Tgt Ion:142	Resp:	50859
Ion Ratio	Lower	Upper
142	100	
141	86.7	70.2 105.2

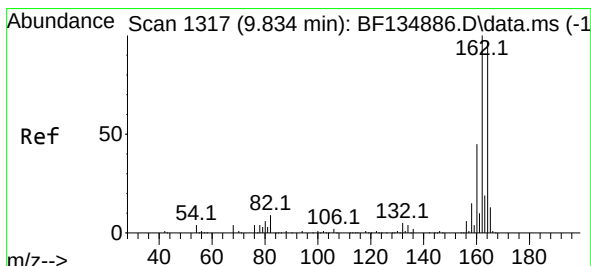
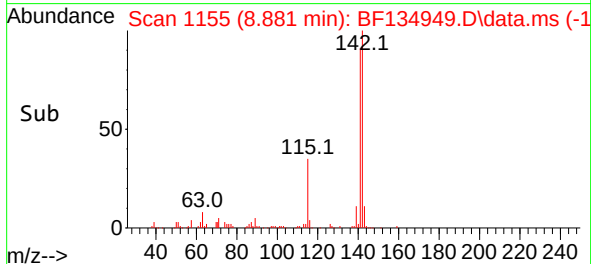
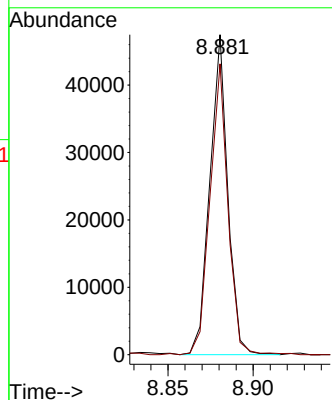
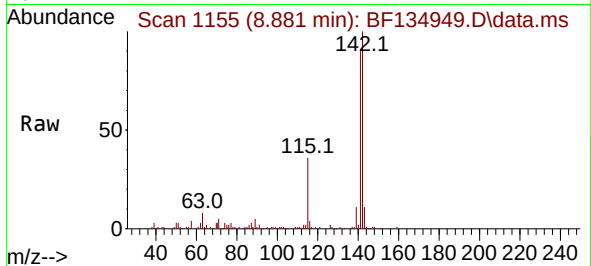




#38
1-Methylnaphthalene
Concen: 3.612 ng
RT: 8.881 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF134949.D
Acq: 25 Aug 2023 19:40

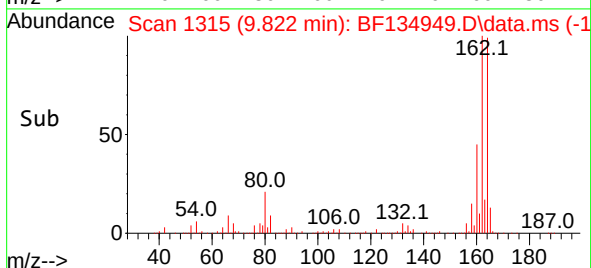
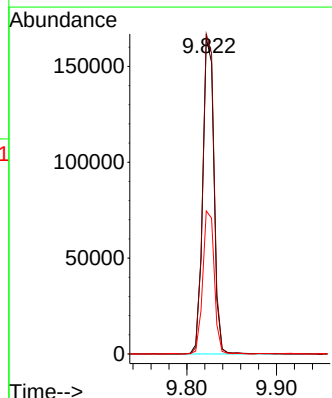
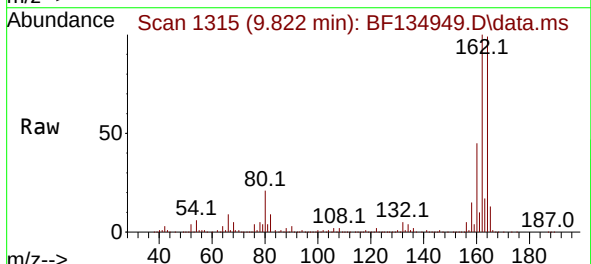
Instrument :
BNA_F
ClientSampleId :
TP-11(1-2)

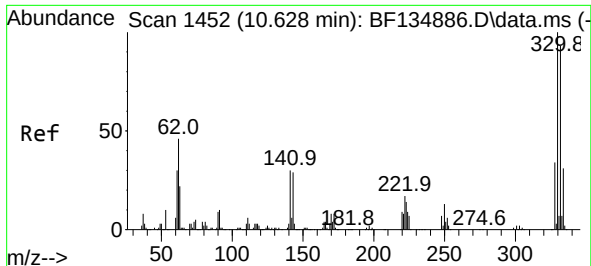
Tgt Ion:142 Resp: 34710
Ion Ratio Lower Upper
142 100
141 90.9 74.1 111.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF134949.D
Acq: 25 Aug 2023 19:40

Tgt Ion:164 Resp: 142992
Ion Ratio Lower Upper
164 100
162 101.2 82.6 123.8
160 45.3 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 14.022 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.012 min

Lab File: BF134949.D

Acq: 25 Aug 2023 19:40

Instrument :

BNA_F

ClientSampleId :

TP-11(1-2)

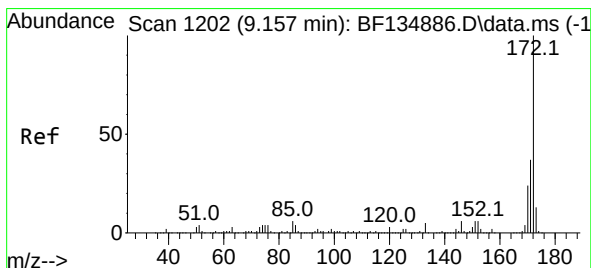
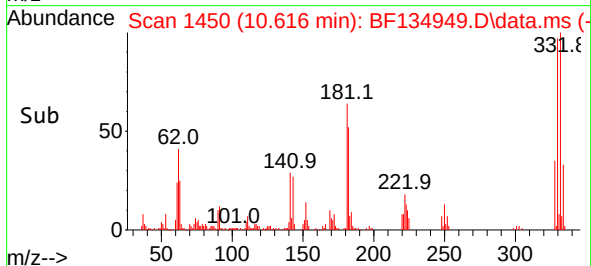
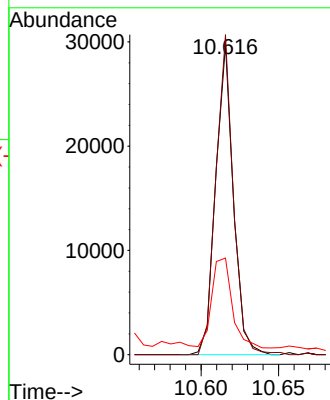
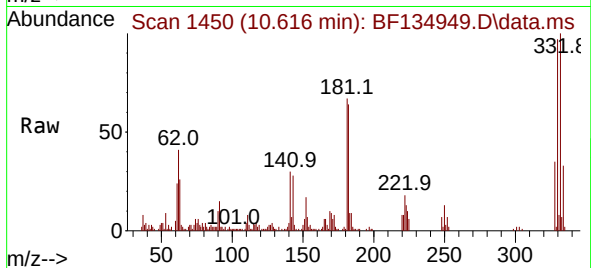
Tgt Ion:330 Resp: 23614

Ion Ratio Lower Upper

330 100

332 101.6 76.3 114.5

141 34.0 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 72.450 ng

RT: 9.145 min Scan# 1200

Delta R.T. -0.012 min

Lab File: BF134949.D

Acq: 25 Aug 2023 19:40

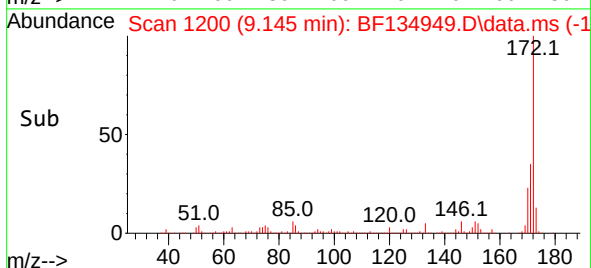
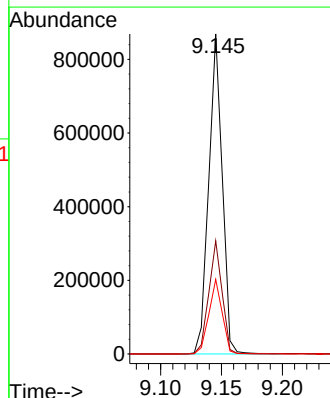
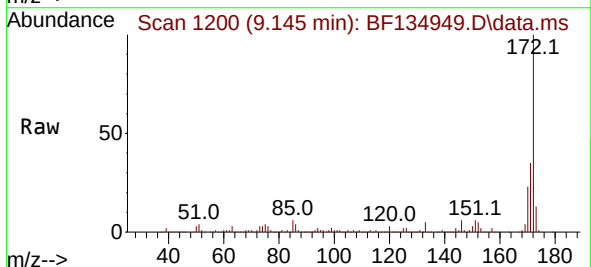
Tgt Ion:172 Resp: 670144

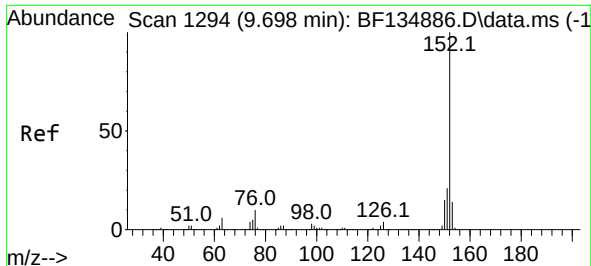
Ion Ratio Lower Upper

172 100

171 35.3 29.4 44.0

170 23.3 19.6 29.4

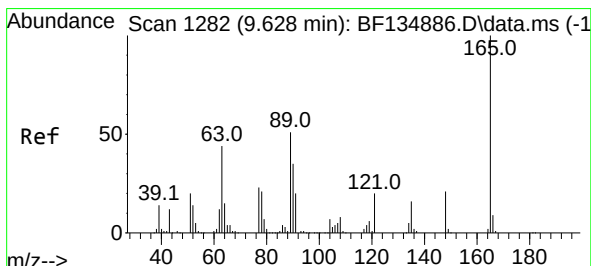
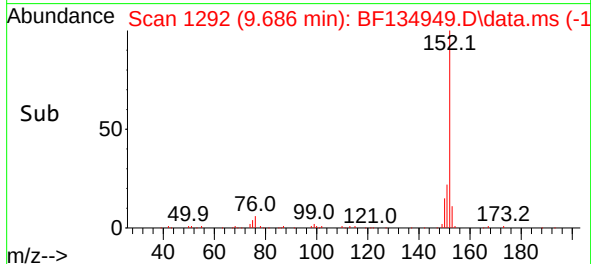
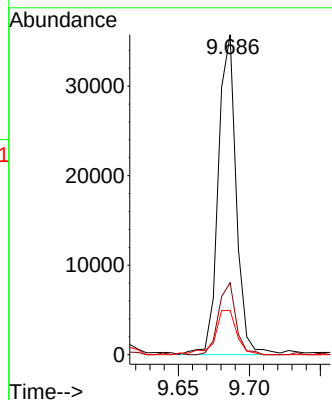
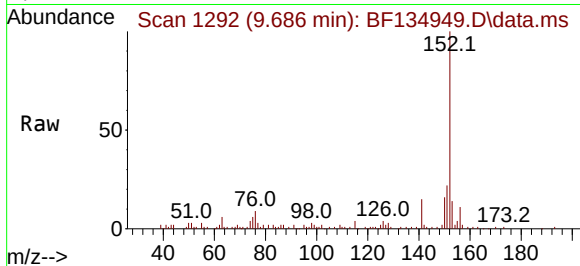




#49
Acenaphthylene
Concen: 2.418 ng
RT: 9.686 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134949.D
Acq: 25 Aug 2023 19:40

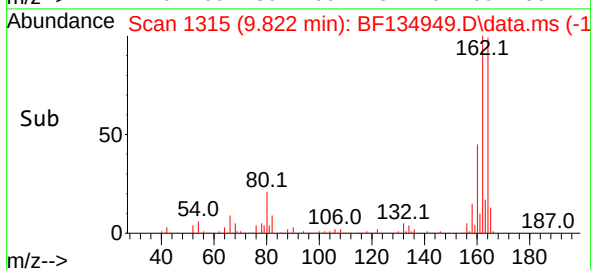
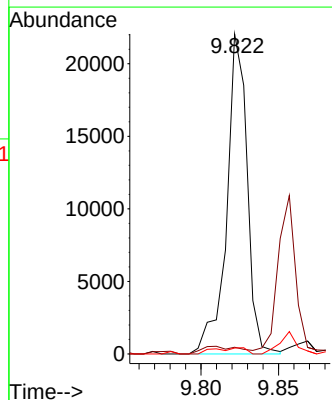
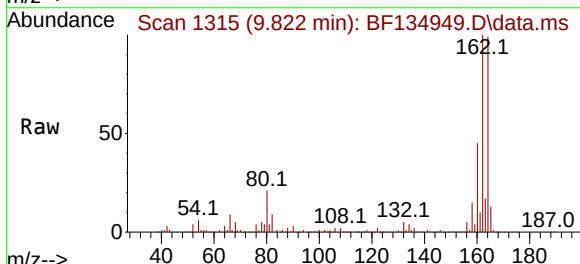
Instrument :
BNA_F
ClientSampleId :
TP-11(1-2)

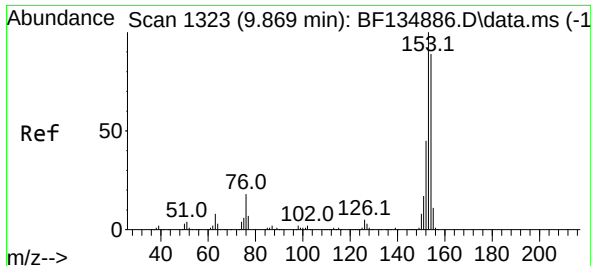
Tgt Ion:152 Resp: 31393
Ion Ratio Lower Upper
152 100
151 22.5 16.5 24.7
153 13.8 11.3 16.9



#51
2,6-Dinitrotoluene
Concen: 9.009 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.194 min
Lab File: BF134949.D
Acq: 25 Aug 2023 19:40

Tgt Ion:165 Resp: 20225
Ion Ratio Lower Upper
165 100
63 2.1 41.4 62.2#
89 1.9 40.9 61.3#

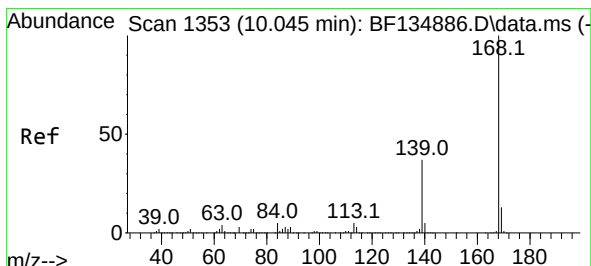
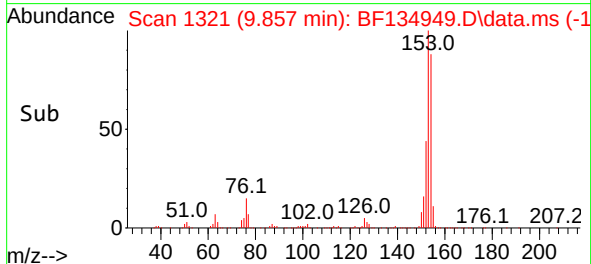
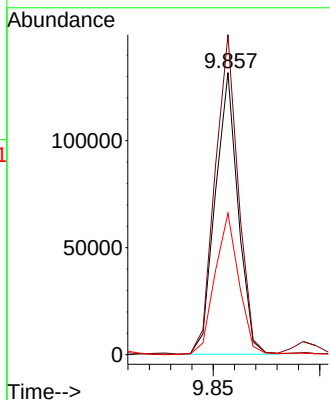
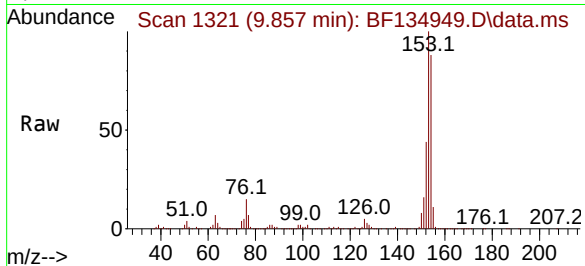




#52
Acenaphthene
Concen: 11.985 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134949.D
Acq: 25 Aug 2023 19:40

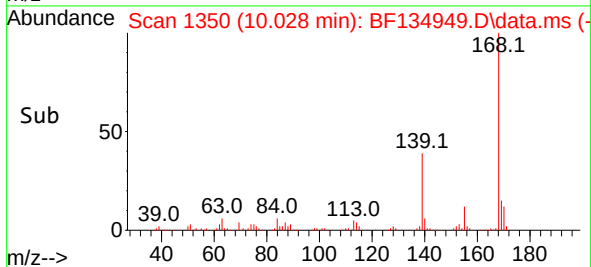
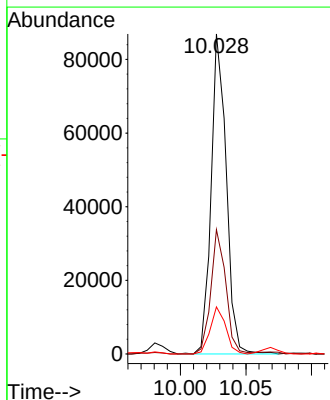
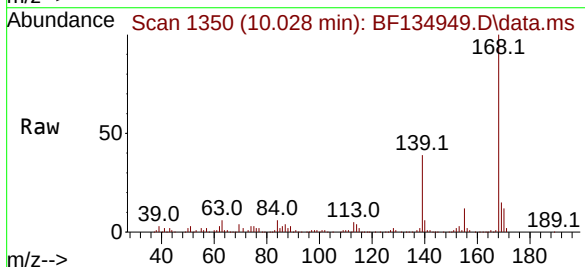
Instrument :
BNA_F
ClientSampleId :
TP-11(1-2)

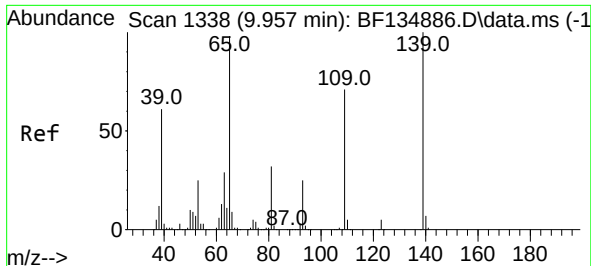
Tgt Ion:154 Resp: 98027
Ion Ratio Lower Upper
154 100
153 113.5 89.6 134.4
152 50.2 40.5 60.7



#55
Dibenzofuran
Concen: 5.858 ng
RT: 10.028 min Scan# 1350
Delta R.T. -0.018 min
Lab File: BF134949.D
Acq: 25 Aug 2023 19:40

Tgt Ion:168 Resp: 69755
Ion Ratio Lower Upper
168 100
139 38.9 29.5 44.3
169 14.7 10.7 16.1





#56

4-Nitrophenol

Concen: 15.782 ng

RT: 10.028 min Scan# 11

Delta R.T. 0.070 min

Lab File: BF134949.D

Acq: 25 Aug 2023 19:40

Instrument :

BNA_F

ClientSampleId :

TP-11(1-2)

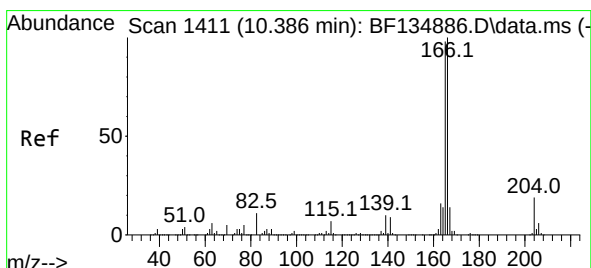
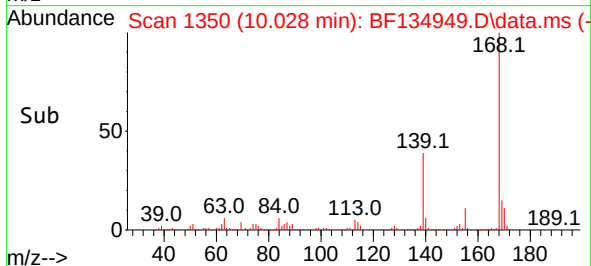
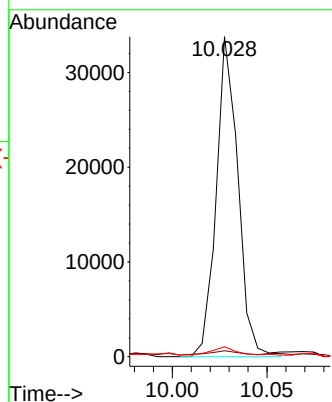
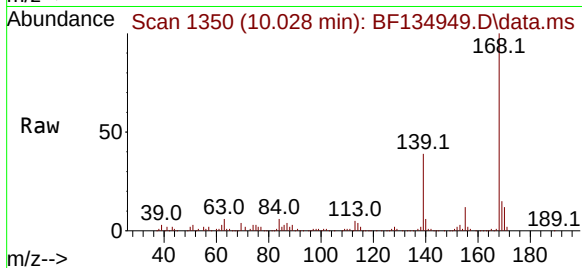
Tgt Ion:139 Resp: 26968

Ion Ratio Lower Upper

139 100

109 1.9 51.0 91.0#

65 3.1 78.5 118.5#



#58

Fluorene

Concen: 6.664 ng

RT: 10.375 min Scan# 1409

Delta R.T. -0.011 min

Lab File: BF134949.D

Acq: 25 Aug 2023 19:40

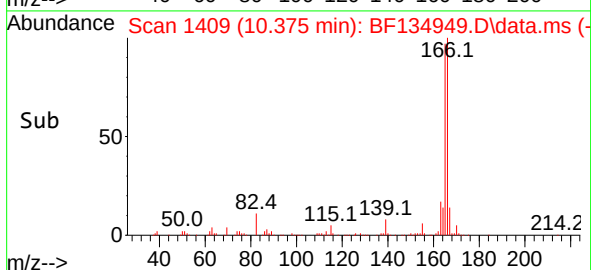
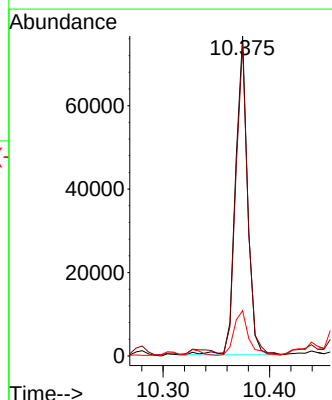
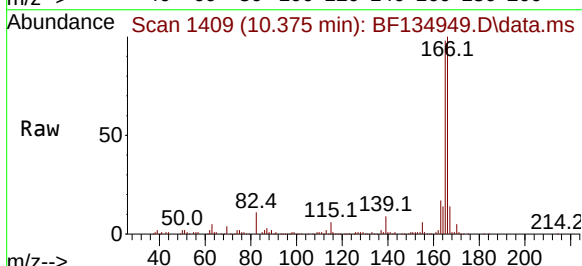
Tgt Ion:166 Resp: 60185

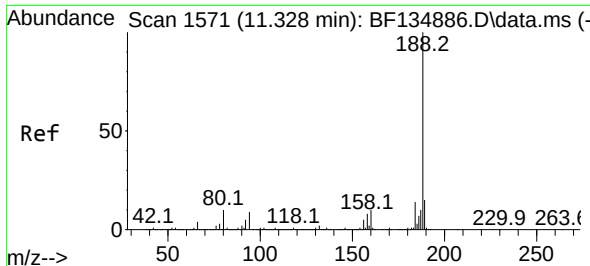
Ion Ratio Lower Upper

166 100

165 97.6 78.5 117.7

167 14.2 11.0 16.6

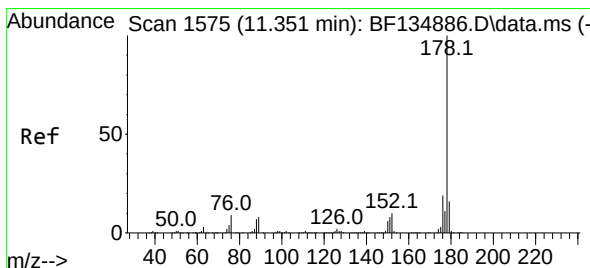
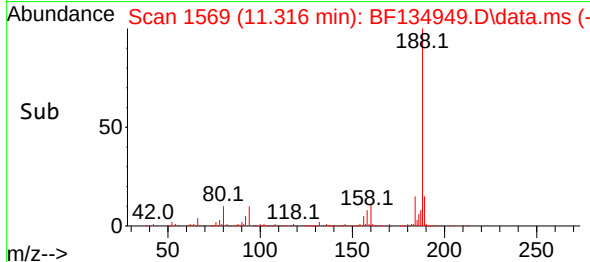
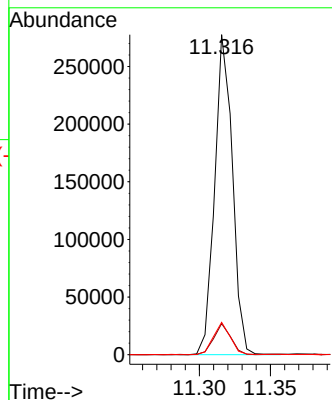
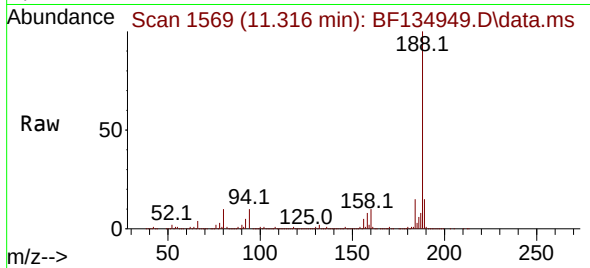




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134949.D
Acq: 25 Aug 2023 19:40

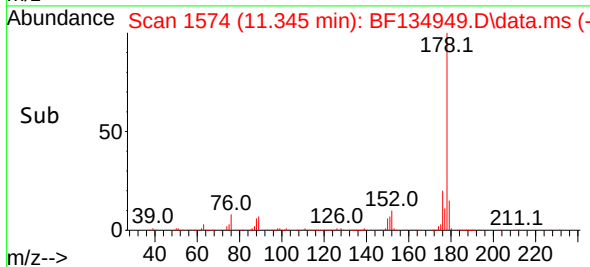
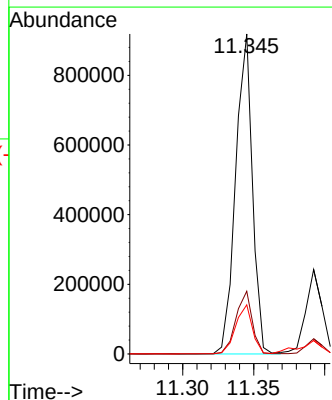
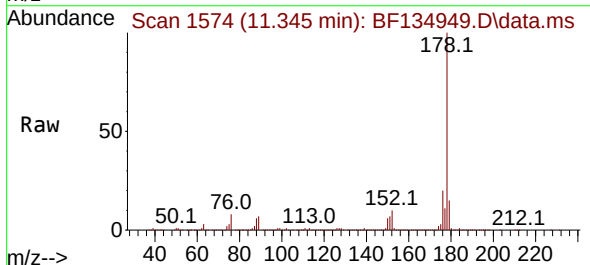
Instrument :
BNA_F
ClientSampleId :
TP-11(1-2)

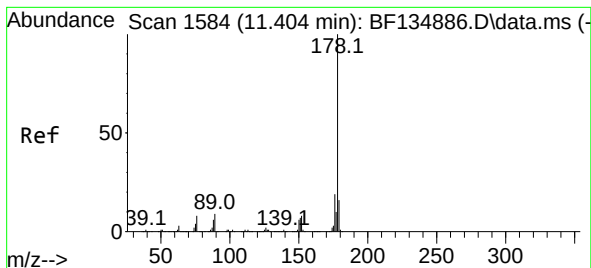
Tgt Ion:188 Resp: 241042
Ion Ratio Lower Upper
188 100
94 9.7 7.5 11.3
80 10.1 7.8 11.6



#71
Phenanthrene
Concen: 59.870 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF134949.D
Acq: 25 Aug 2023 19:40

Tgt Ion:178 Resp: 756215
Ion Ratio Lower Upper
178 100
176 19.6 15.5 23.3
179 15.4 12.6 19.0





#72

Anthracene

Concen: 14.474 ng

RT: 11.392 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF134949.D

Acq: 25 Aug 2023 19:40

Instrument :

BNA_F

ClientSampleId :

TP-11(1-2)

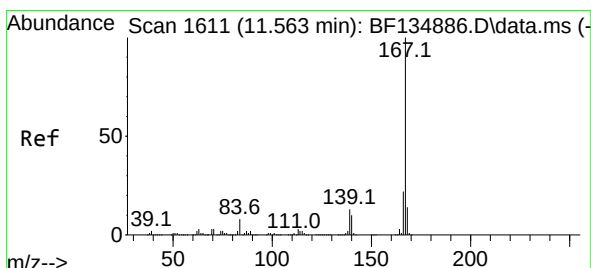
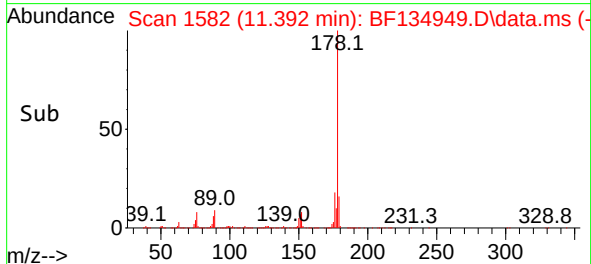
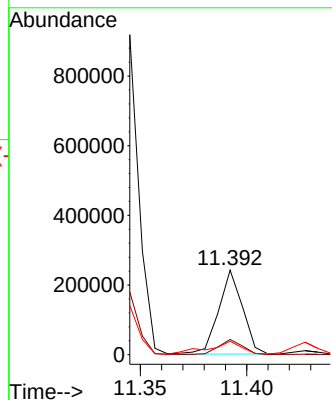
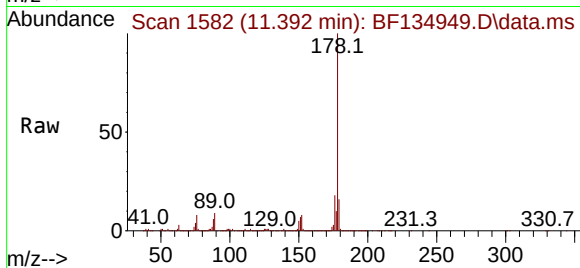
Tgt Ion:178 Resp: 187315

Ion Ratio Lower Upper

178 100

176 18.1 15.0 22.6

179 15.8 12.5 18.7



#73

Carbazole

Concen: 10.169 ng

RT: 11.551 min Scan# 1609

Delta R.T. -0.012 min

Lab File: BF134949.D

Acq: 25 Aug 2023 19:40

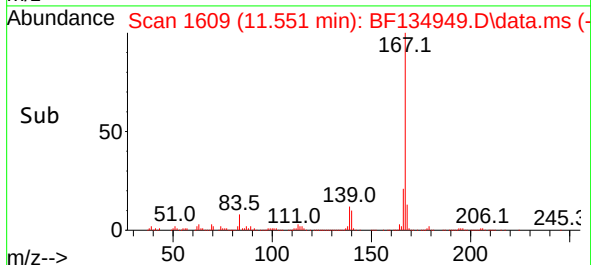
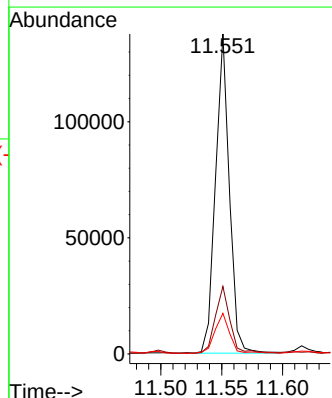
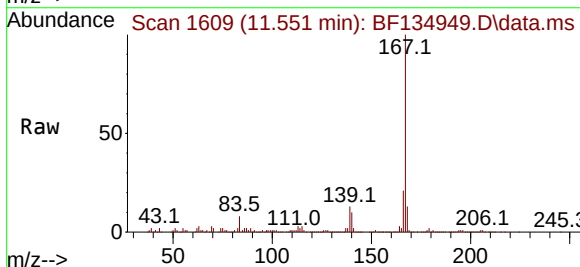
Tgt Ion:167 Resp: 108440

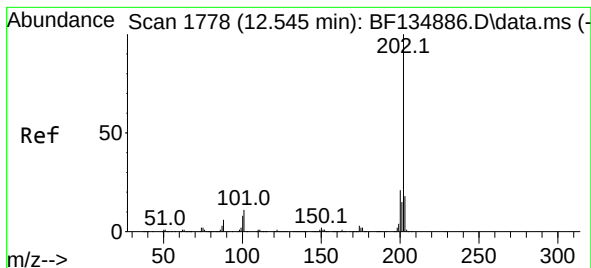
Ion Ratio Lower Upper

167 100

166 21.1 17.4 26.2

139 12.7 10.4 15.6





#75

Fluoranthene

Concen: 88.215 ng

RT: 12.539 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134949.D

Acq: 25 Aug 2023 19:40

Instrument :

BNA_F

ClientSampleId :

TP-11(1-2)

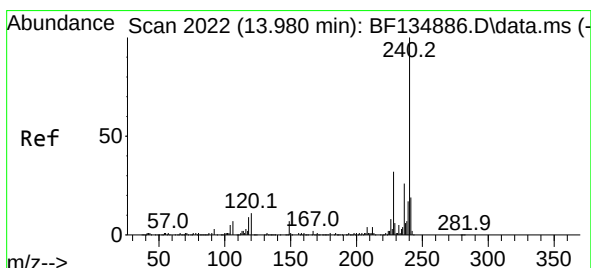
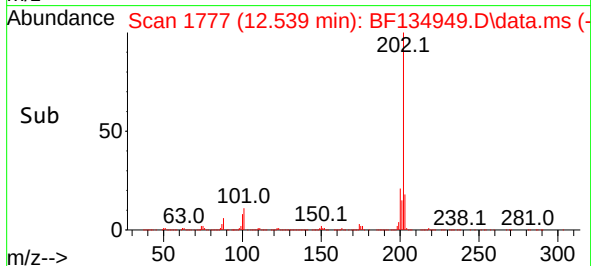
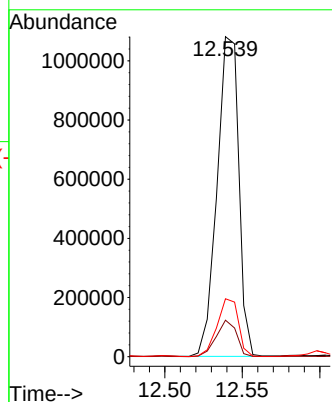
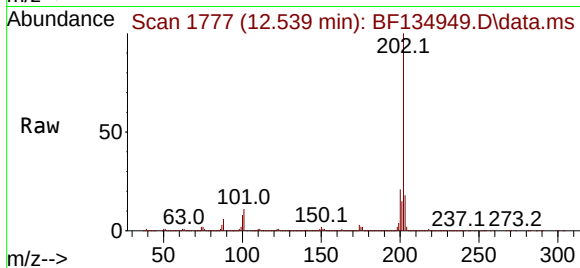
Tgt Ion:202 Resp: 1055756

Ion Ratio Lower Upper

202 100

101 11.4 0.0 30.5

203 18.1 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 2021

Delta R.T. -0.006 min

Lab File: BF134949.D

Acq: 25 Aug 2023 19:40

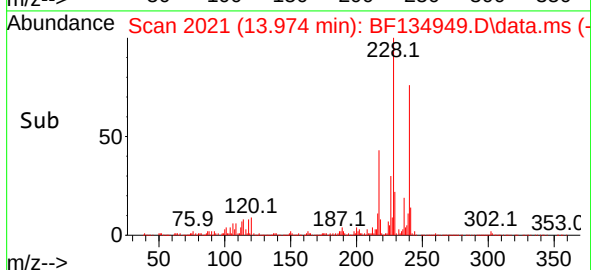
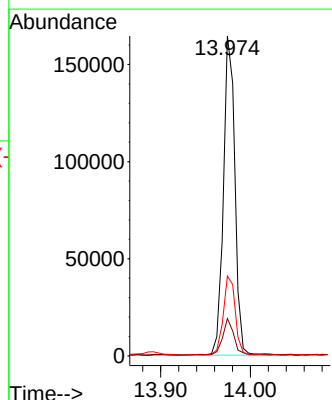
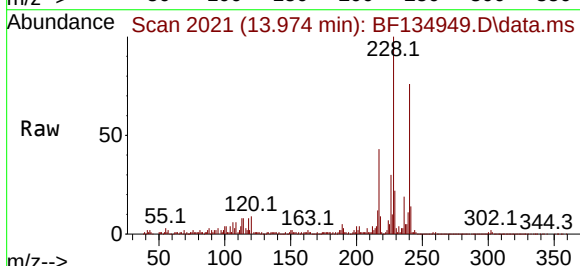
Tgt Ion:240 Resp: 146297

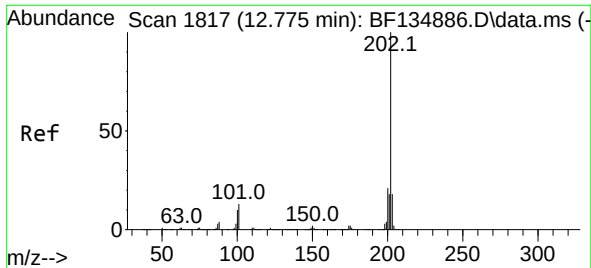
Ion Ratio Lower Upper

240 100

120 11.7 8.6 12.8

236 25.0 20.6 31.0

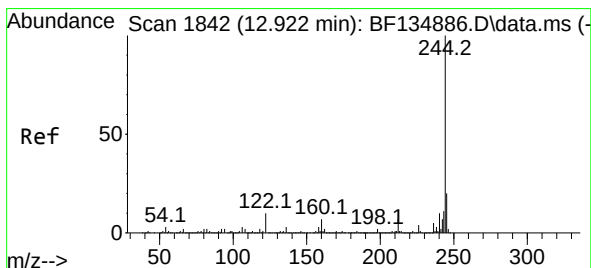
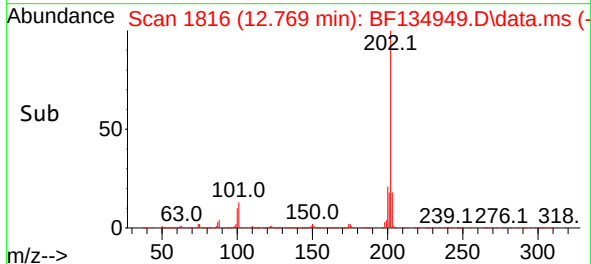
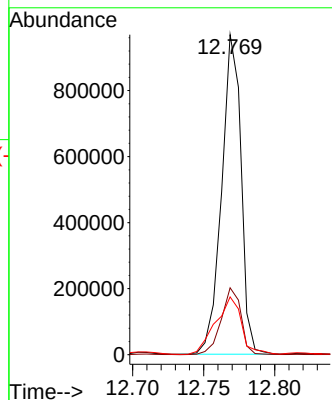
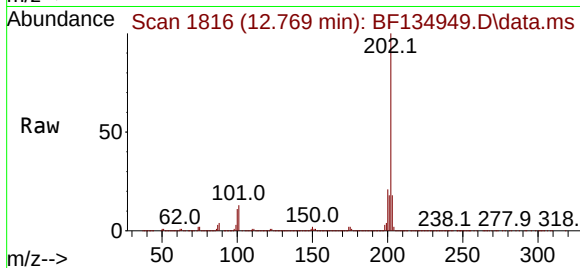




#78
Pyrene
Concen: 59.336 ng
RT: 12.769 min Scan# 1816
Delta R.T. -0.006 min
Lab File: BF134949.D
Acq: 25 Aug 2023 19:40

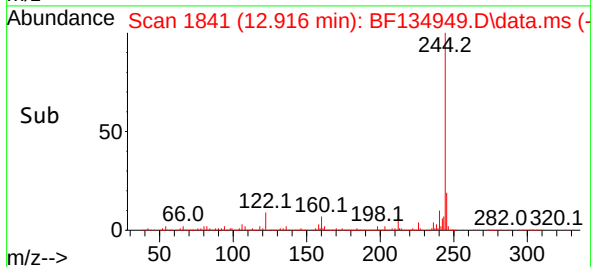
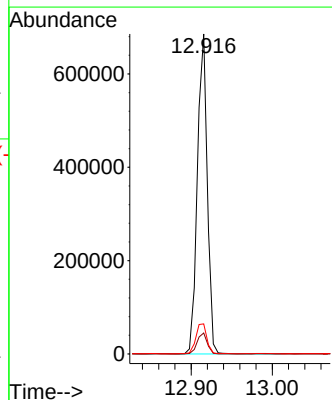
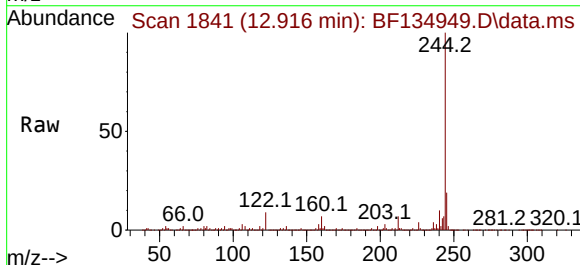
Instrument :
BNA_F
ClientSampleId :
TP-11(1-2)

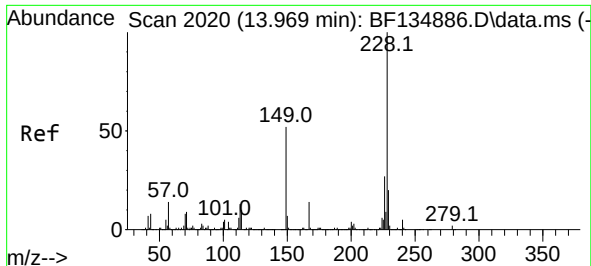
Tgt Ion:202 Resp: 920378
Ion Ratio Lower Upper
202 100
200 20.9 17.1 25.7
203 18.1 14.2 21.2



#79
Terphenyl-d14
Concen: 55.134 ng
RT: 12.916 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BF134949.D
Acq: 25 Aug 2023 19:40

Tgt Ion:244 Resp: 586440
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.0
122 9.4 8.2 12.4

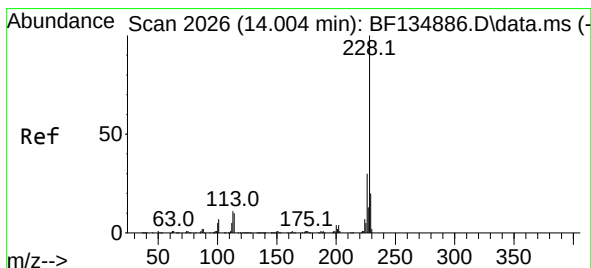
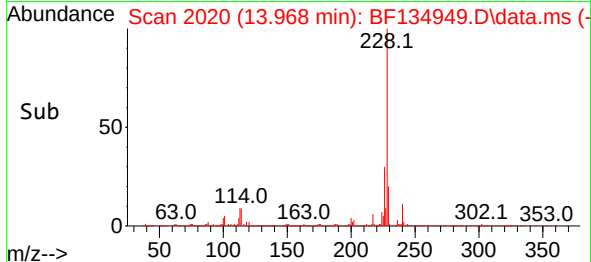
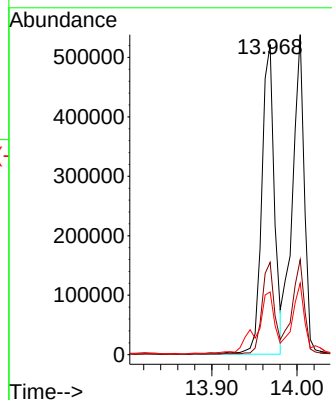
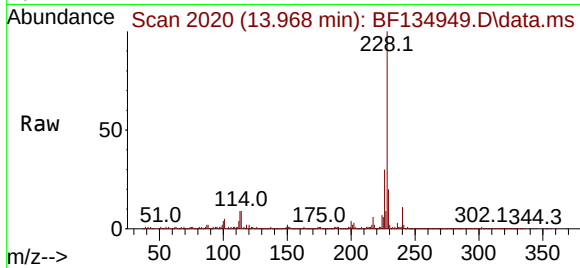




#81
Benzo(a)anthracene
Concen: 53.739 ng
RT: 13.968 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF134949.D
Acq: 25 Aug 2023 19:40

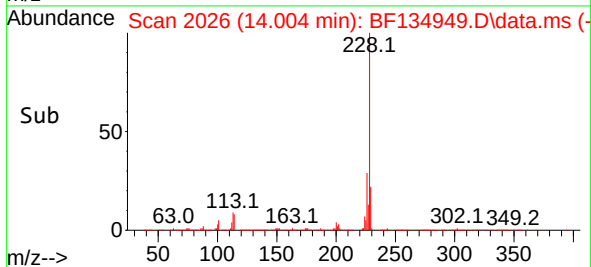
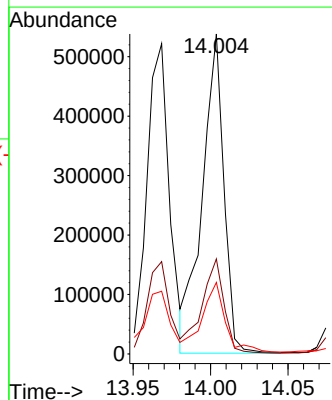
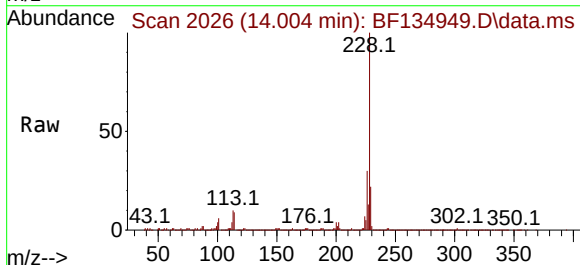
Instrument :
BNA_F
ClientSampleId :
TP-11(1-2)

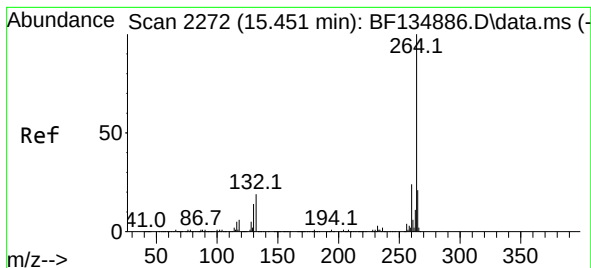
Tgt Ion:228 Resp: 536397
Ion Ratio Lower Upper
228 100
226 29.8 21.8 32.6
229 20.2 15.6 23.4



#83
Chrysene
Concen: 52.928 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF134949.D
Acq: 25 Aug 2023 19:40

Tgt Ion:228 Resp: 521253
Ion Ratio Lower Upper
228 100
226 29.7 24.2 36.2
229 22.4 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF134949.D

Acq: 25 Aug 2023 19:40

Instrument :

BNA_F

ClientSampleId :

TP-11(1-2)

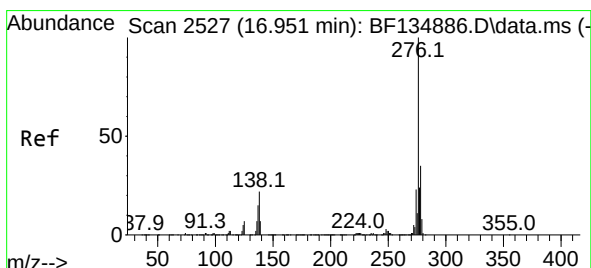
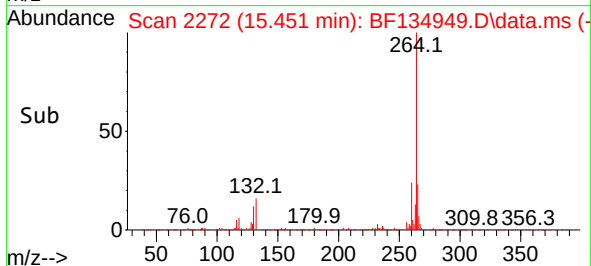
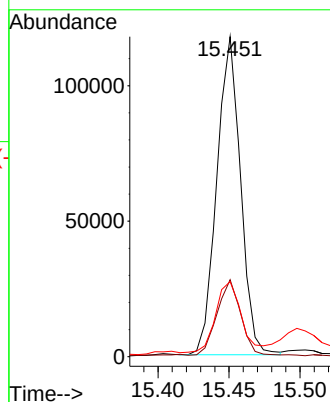
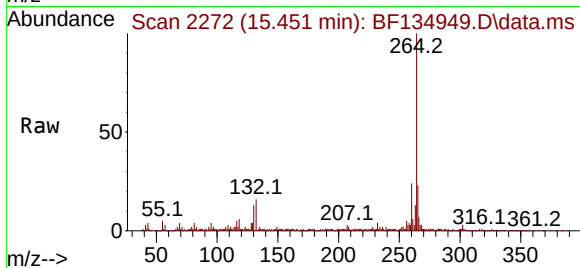
Tgt Ion:264 Resp: 136426

Ion Ratio Lower Upper

264 100

260 24.0 19.0 28.6

265 23.5 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 25.818 ng

RT: 16.939 min Scan# 2525

Delta R.T. -0.012 min

Lab File: BF134949.D

Acq: 25 Aug 2023 19:40

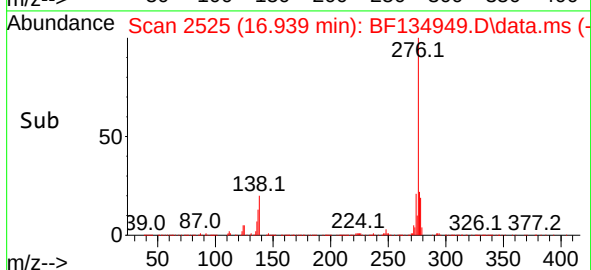
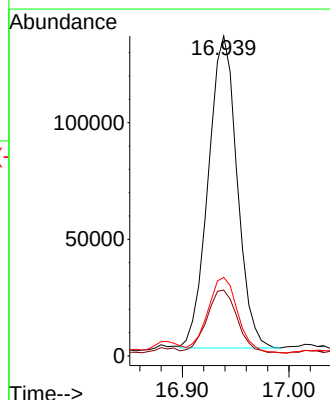
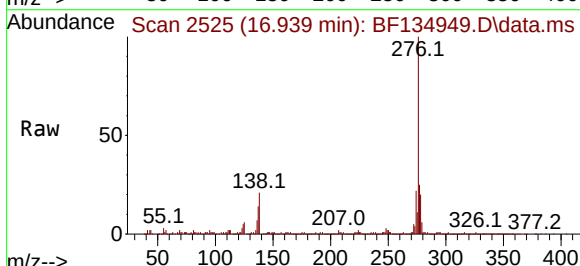
Tgt Ion:276 Resp: 251767

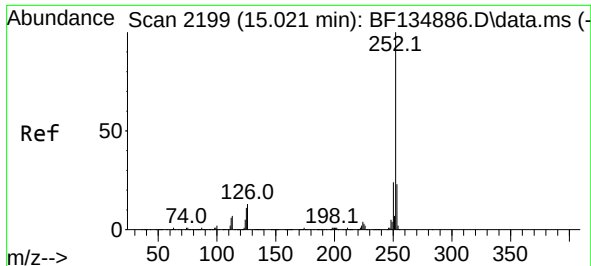
Ion Ratio Lower Upper

276 100

138 22.2 19.7 29.5

277 25.5 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 117.309 ng

RT: 15.021 min Scan# 2199

Delta R.T. -0.000 min

Lab File: BF134949.D

Acq: 25 Aug 2023 19:40

Instrument :

BNA_F

ClientSampleId :

TP-11(1-2)

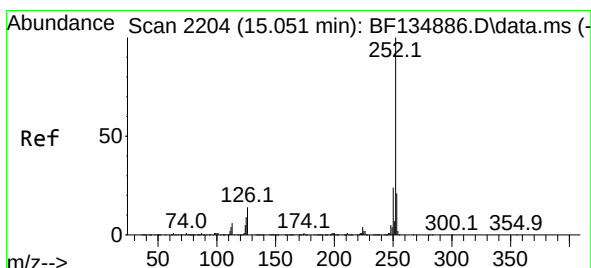
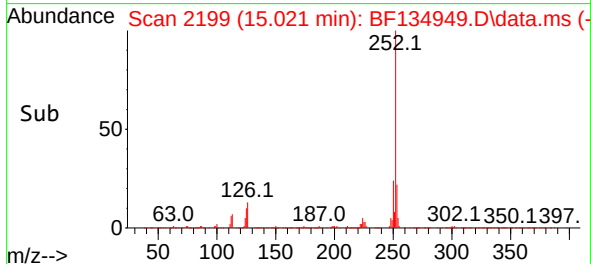
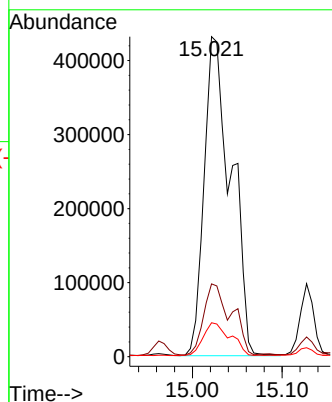
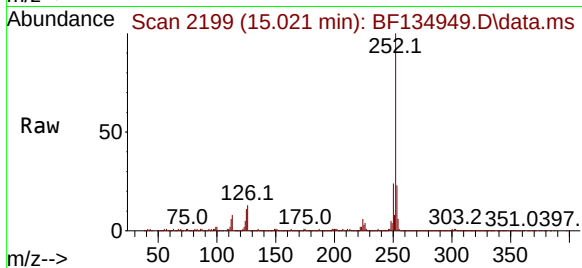
Tgt Ion:252 Resp: 902936

Ion Ratio Lower Upper

252 100

253 22.7 18.1 27.1

125 10.6 8.4 12.6



#89

Benzo(k)fluoranthene

Concen: 119.462 ng

RT: 15.021 min Scan# 2199

Delta R.T. -0.030 min

Lab File: BF134949.D

Acq: 25 Aug 2023 19:40

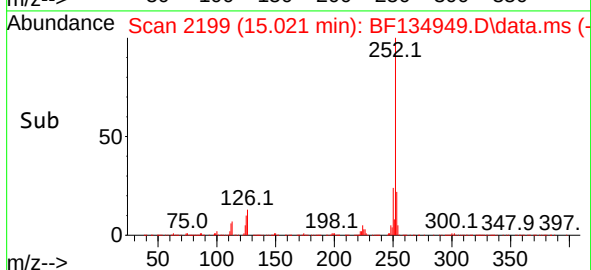
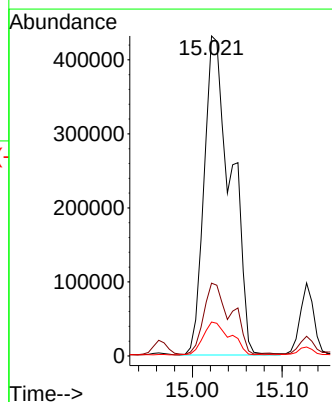
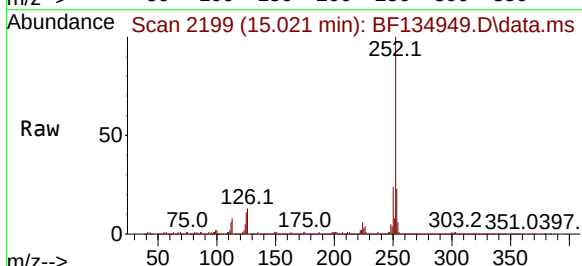
Tgt Ion:252 Resp: 902936

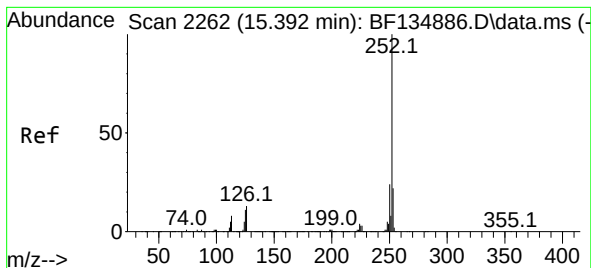
Ion Ratio Lower Upper

252 100

253 22.7 17.1 25.7

125 10.6 8.0 12.0





#90

Benzo(a)pyrene

Concen: 62.363 ng

RT: 15.392 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF134949.D

Acq: 25 Aug 2023 19:40

Instrument :

BNA_F

ClientSampleId :

TP-11(1-2)

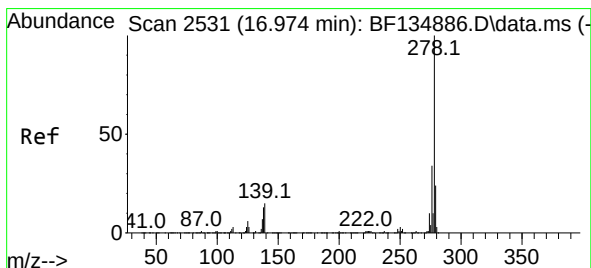
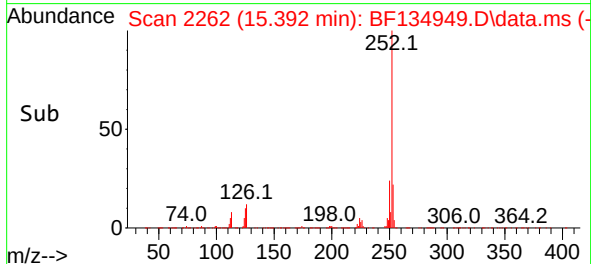
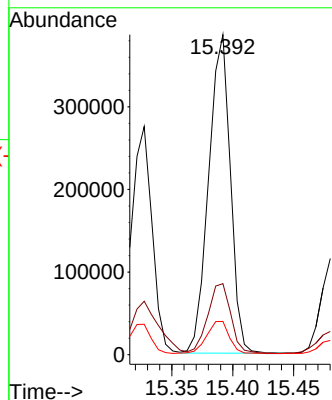
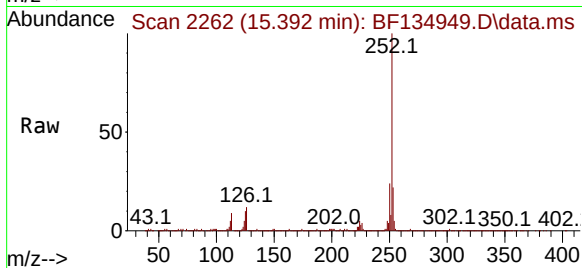
Tgt Ion:252 Resp: 479187

Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

125 10.4 8.4 12.6



#91

Dibenzo(a,h)anthracene

Concen: 4.222 ng

RT: 17.180 min Scan# 2566

Delta R.T. 0.206 min

Lab File: BF134949.D

Acq: 25 Aug 2023 19:40

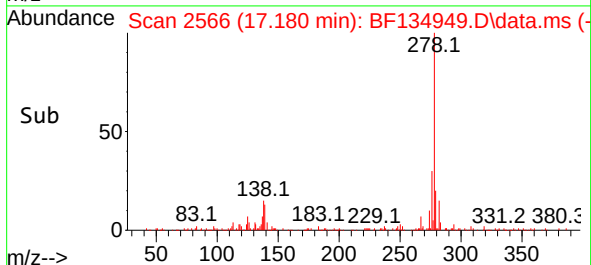
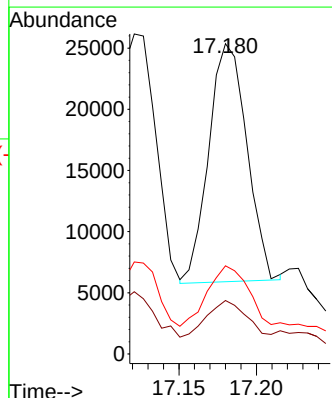
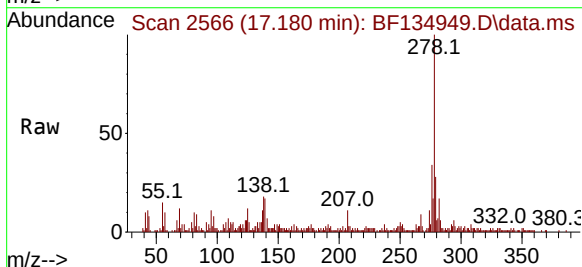
Tgt Ion:278 Resp: 33311

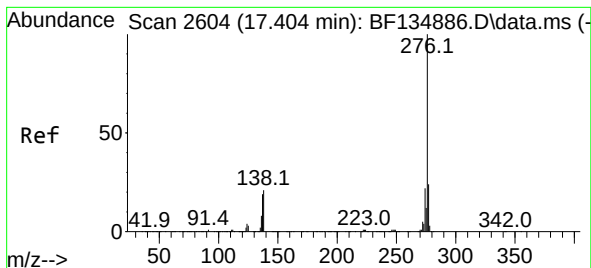
Ion Ratio Lower Upper

278 100

139 17.2 12.2 18.4

279 28.4 19.1 28.7





#92

Benzo(g,h,i)perylene

Concen: 30.605 ng

RT: 17.392 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF134949.D

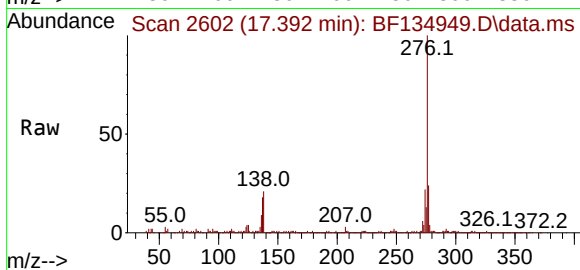
Acq: 25 Aug 2023 19:40

Instrument :

BNA_F

ClientSampleId :

TP-11(1-2)



Tgt Ion:276 Resp: 247200

Ion Ratio Lower Upper

276 100

277 24.0 19.2 28.8

138 20.7 17.0 25.6

