

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072623\
 Data File : BF134499.D
 Acq On : 27 Jul 2023 00:32
 Operator : CG\JU
 Sample : 03580-02DL 50X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 27 01:59:51 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 01:46:04 2023
 Response via : Initial Calibration

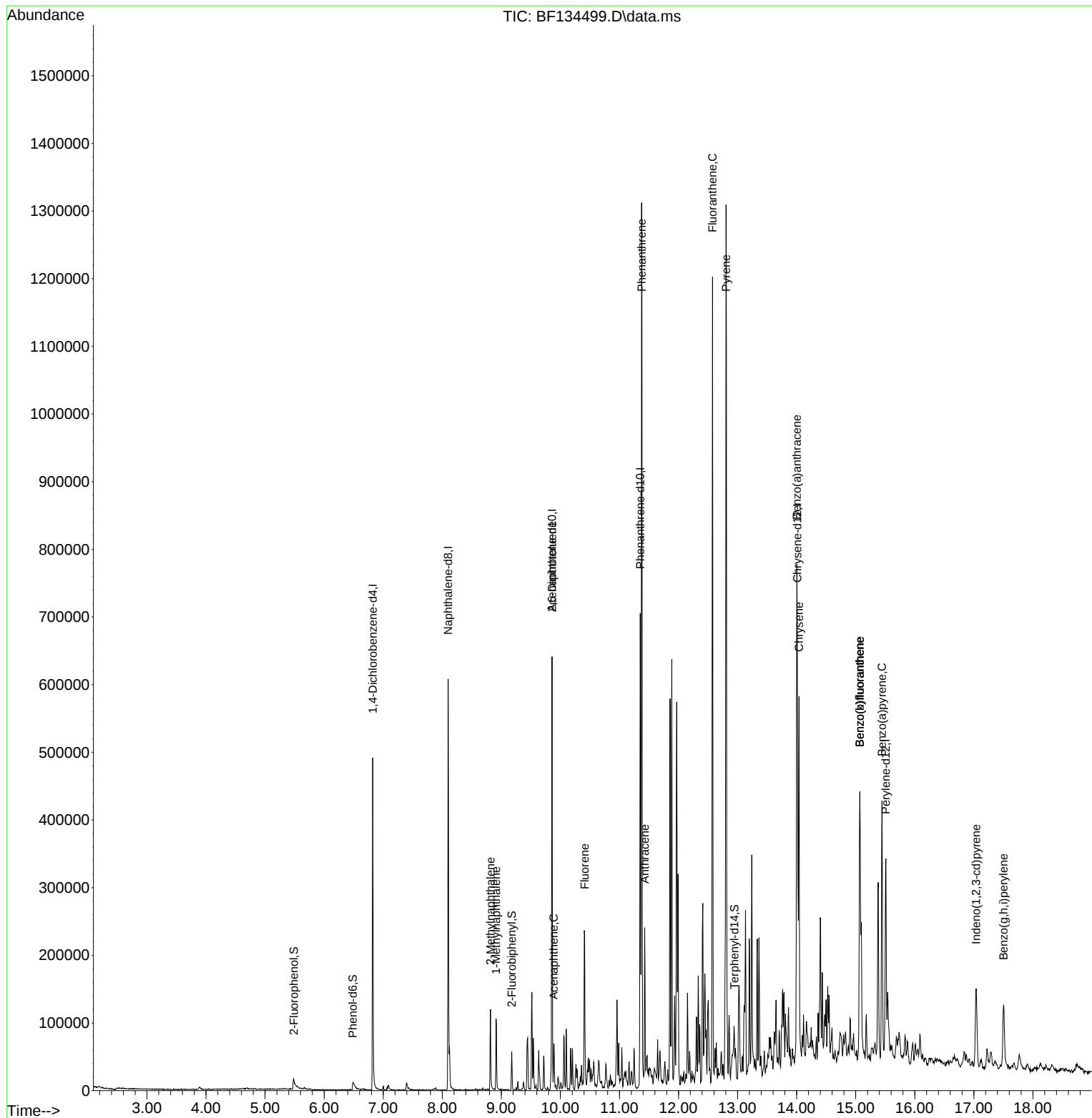
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	70759	20.000	ng	-0.01
21) Naphthalene-d8	8.099	136	251691	20.000	ng	#-0.02
39) Acenaphthene-d10	9.857	164	113370	20.000	ng	-0.02
64) Phenanthrene-d10	11.351	188	252504	20.000	ng	-0.02
76) Chrysene-d12	14.010	240	133480	20.000	ng	-0.02
86) Perylene-d12	15.510	264	140296	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	10636	2.483	ng	0.02
7) Phenol-d6	6.487	99	11543	2.200	ng	0.00
23) Nitrobenzene-d5	7.393	82	7067	1.421	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	2530	1.571	ng	-0.01
45) 2-Fluorobiphenyl	9.175	172	17343	2.008	ng	-0.02
79) Terphenyl-d14	12.945	244	17086	2.235	ng	-0.02
Target Compounds						
						Qvalue
37) 2-Methylnaphthalene	8.816	142	32149	3.694	ng	99
38) 1-Methylnaphthalene	8.910	142	30677	3.799	ng	99
51) 2,6-Dinitrotoluene	9.857	165	16374	8.879	ng	# 17
52) Acenaphthene	9.887	154	14820	2.156	ng	92
58) Fluorene	10.410	166	69621	8.156	ng	97
71) Phenanthrene	11.375	178	496535	37.636	ng	98
72) Anthracene	11.428	178	83316	6.119	ng	99
75) Fluoranthene	12.575	202	421401	27.407	ng	100
78) Pyrene	12.804	202	556840	52.466	ng	99
81) Benzo(a)anthracene	14.004	228	235779	25.318	ng	97
83) Chrysene	14.039	228	216957	24.357	ng	98
87) Indeno(1,2,3-cd)pyrene	17.039	276	80155	8.745	ng	98
88) Benzo(b)fluoranthene	15.069	252	308077	35.101	ng	98
89) Benzo(k)fluoranthene	15.069	252	308077	35.692	ng	100
90) Benzo(a)pyrene	15.445	252	190880	23.528	ng	98
92) Benzo(g,h,i)perylene	17.504	276	79917	10.515	ng	97

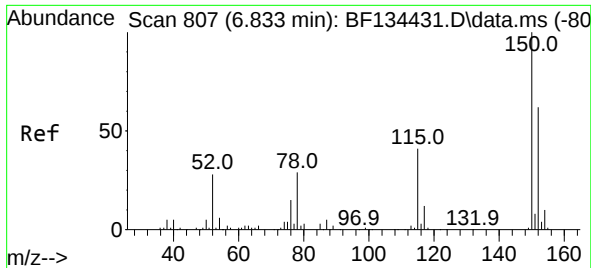
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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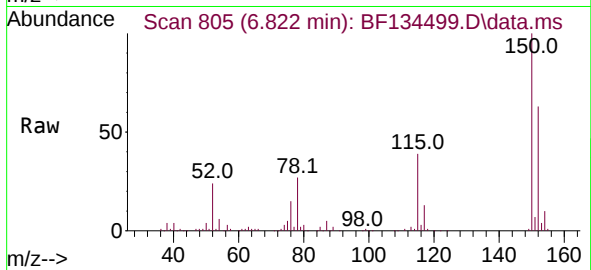
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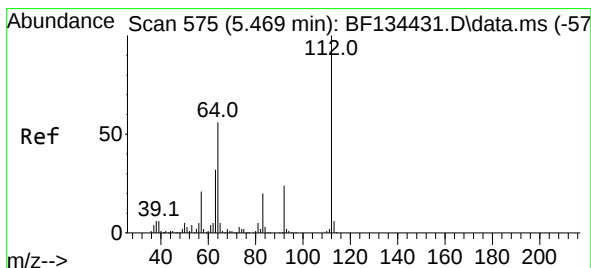
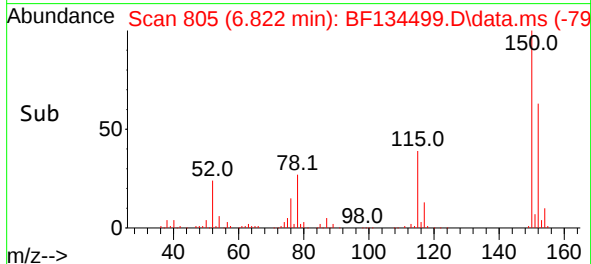
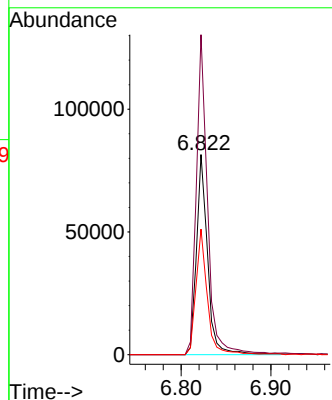


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.822 min Scan# 807
 Delta R.T. -0.011 min
 Lab File: BF134499.D
 Acq: 27 Jul 2023 00:32

Instrument :
 BNA_F
 ClientSampleId :

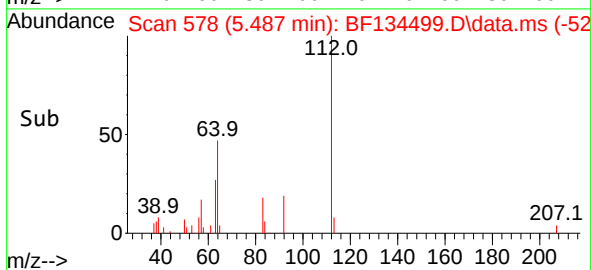
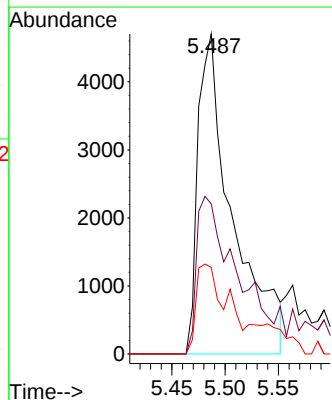
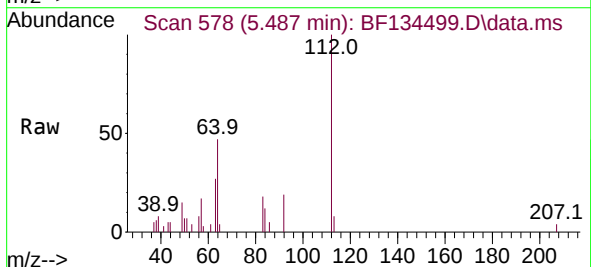


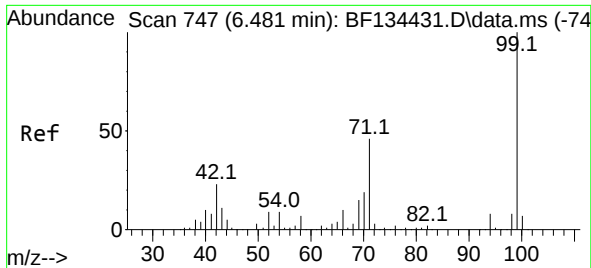
Tgt Ion:152 Resp: 70759
 Ion Ratio Lower Upper
 152 100
 150 159.9 128.3 192.5
 115 62.7 52.4 78.6



#5
 2-Fluorophenol
 Concen: 2.483 ng
 RT: 5.487 min Scan# 578
 Delta R.T. 0.018 min
 Lab File: BF134499.D
 Acq: 27 Jul 2023 00:32

Tgt Ion:112 Resp: 10636
 Ion Ratio Lower Upper
 112 100
 64 46.9 44.9 67.3
 63 27.0 25.4 38.0





#7

Phenol-d6

Concen: 2.200 ng

RT: 6.487 min Scan# 74

Delta R.T. 0.006 min

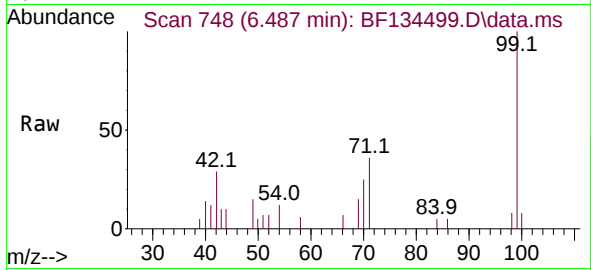
Lab File: BF134499.D

Acq: 27 Jul 2023 00:32

Instrument :

BNA_F

ClientSampleId :



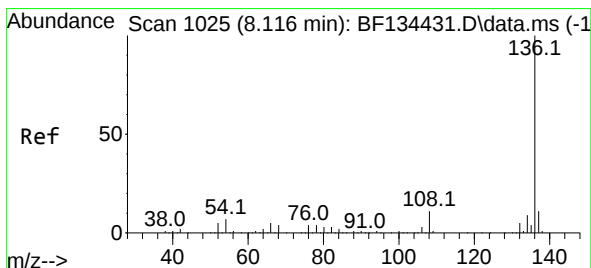
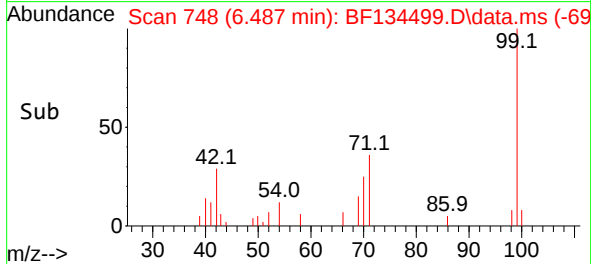
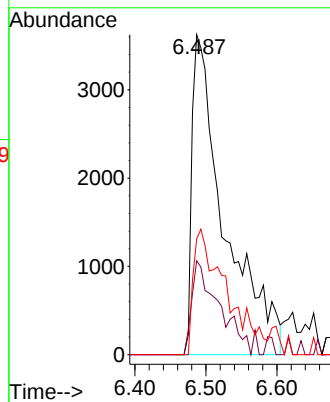
Tgt Ion: 99 Resp: 11543

Ion Ratio Lower Upper

99 100

42 29.3 18.7 28.1#

71 36.2 36.4 54.6#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.099 min Scan# 1022

Delta R.T. -0.017 min

Lab File: BF134499.D

Acq: 27 Jul 2023 00:32

Tgt Ion: 136 Resp: 251691

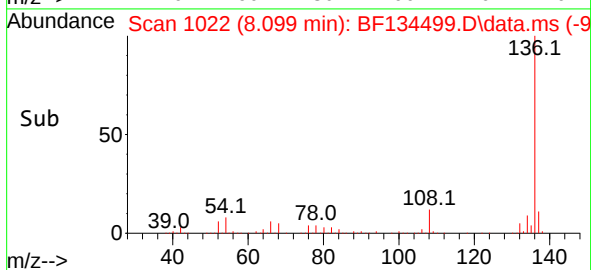
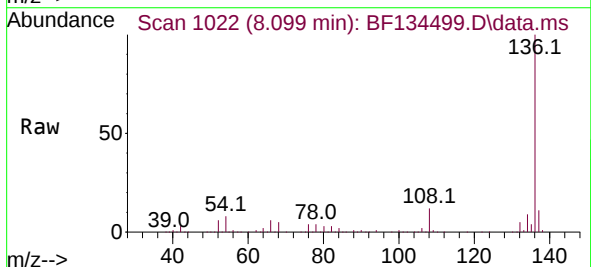
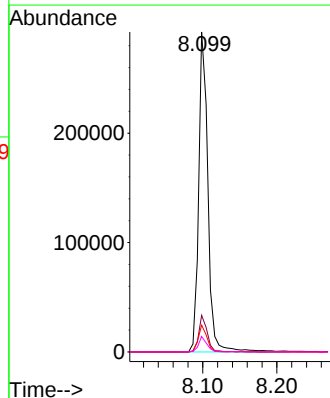
Ion Ratio Lower Upper

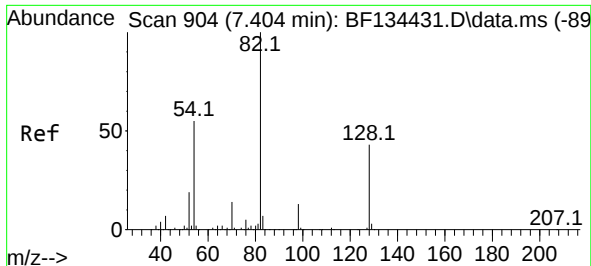
136 100

137 11.4 8.4 12.6

54 8.4 5.2 7.8#

68 4.8 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 1.421 ng

RT: 7.393 min Scan# 904

Delta R.T. -0.011 min

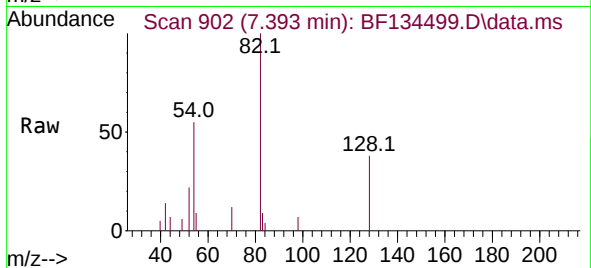
Lab File: BF134499.D

Acq: 27 Jul 2023 00:32

Instrument :

BNA_F

ClientSampleId :



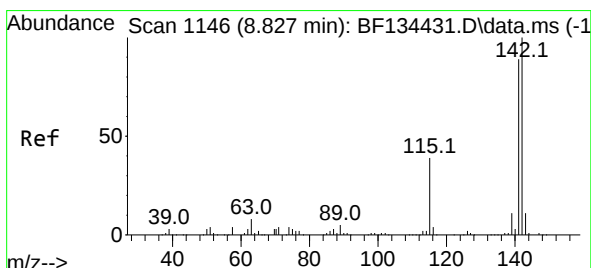
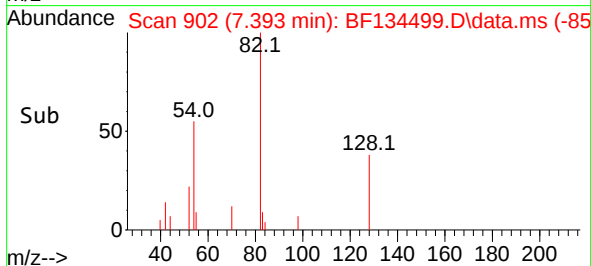
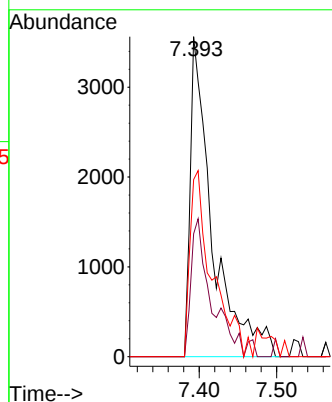
Tgt Ion: 82 Resp: 7067

Ion Ratio Lower Upper

82 100

128 38.4 34.3 51.5

54 55.3 43.8 65.6



#37

2-Methylnaphthalene

Concen: 3.694 ng

RT: 8.816 min Scan# 1144

Delta R.T. -0.011 min

Lab File: BF134499.D

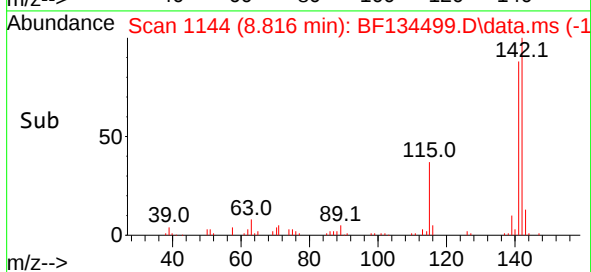
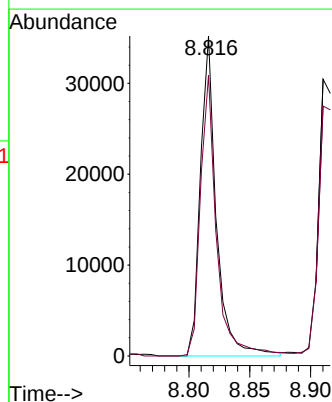
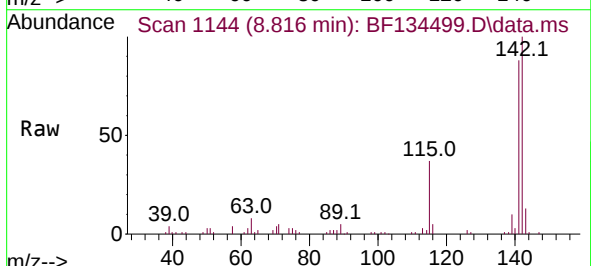
Acq: 27 Jul 2023 00:32

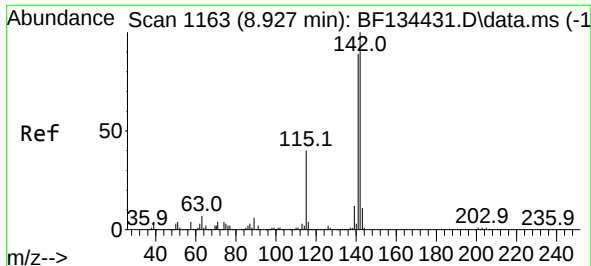
Tgt Ion: 142 Resp: 32149

Ion Ratio Lower Upper

142 100

141 87.8 70.8 106.2





#38

1-Methylnaphthalene

Concen: 3.799 ng

RT: 8.910 min Scan# 1160

Delta R.T. -0.017 min

Lab File: BF134499.D

Acq: 27 Jul 2023 00:32

Instrument :

BNA_F

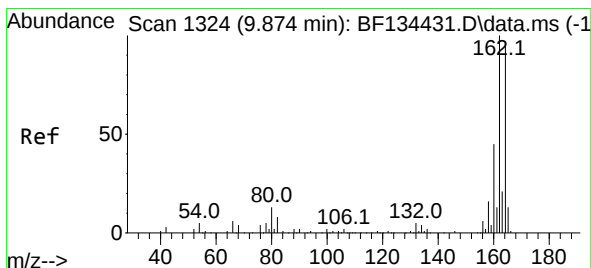
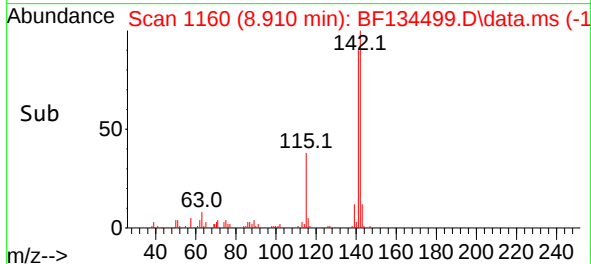
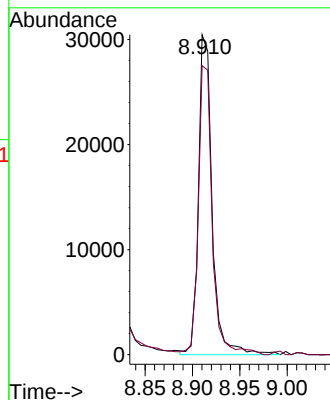
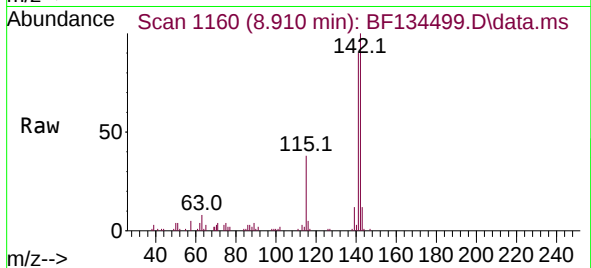
ClientSampleId :

Tgt Ion:142 Resp: 30677

Ion Ratio Lower Upper

142 100

141 90.3 71.4 107.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.857 min Scan# 1321

Delta R.T. -0.017 min

Lab File: BF134499.D

Acq: 27 Jul 2023 00:32

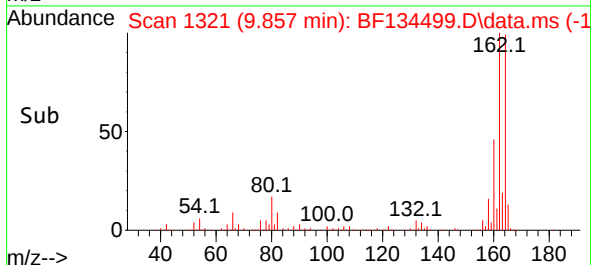
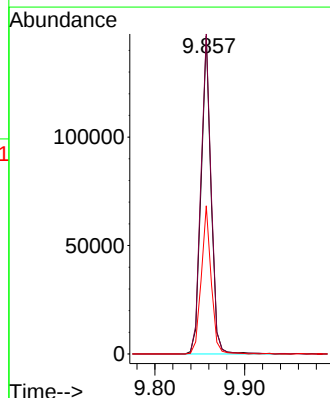
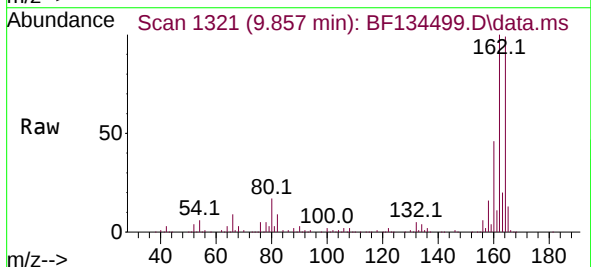
Tgt Ion:164 Resp: 113370

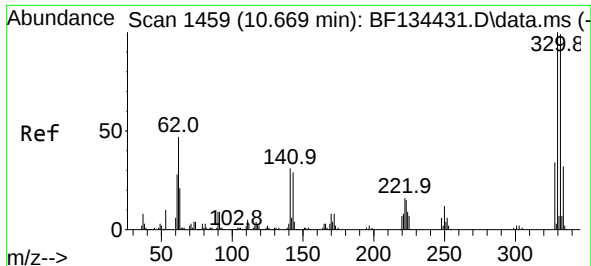
Ion Ratio Lower Upper

164 100

162 100.7 82.6 123.8

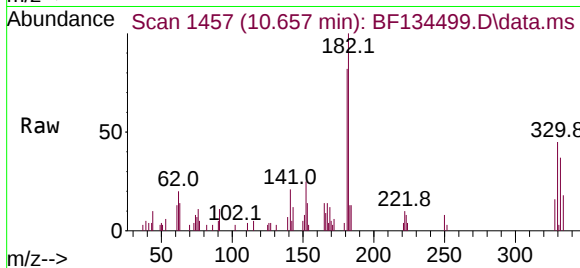
160 46.6 37.2 55.8



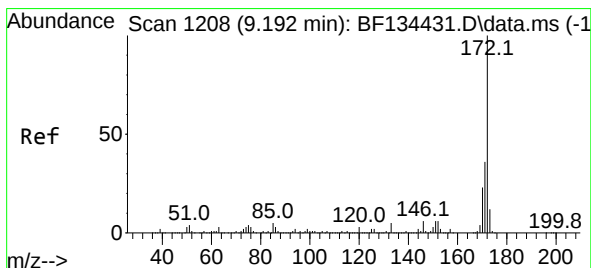
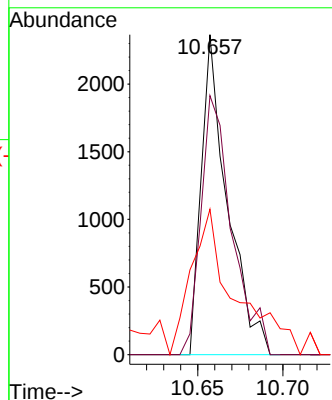
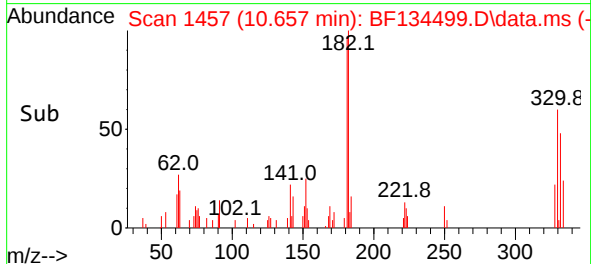


#42
2,4,6-Tribromophenol
Concen: 1.571 ng
RT: 10.657 min Scan# 1459
Delta R.T. -0.011 min
Lab File: BF134499.D
Acq: 27 Jul 2023 00:32

Instrument :
BNA_F
ClientSampleId :

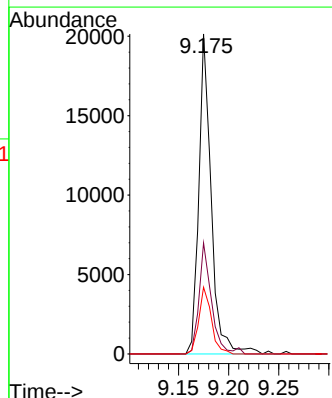
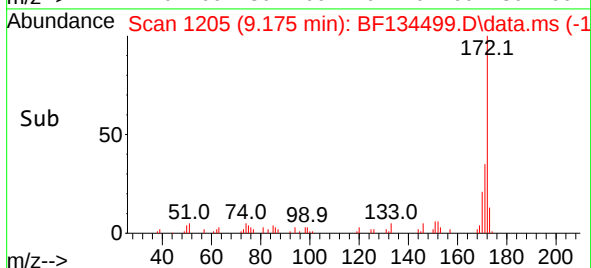
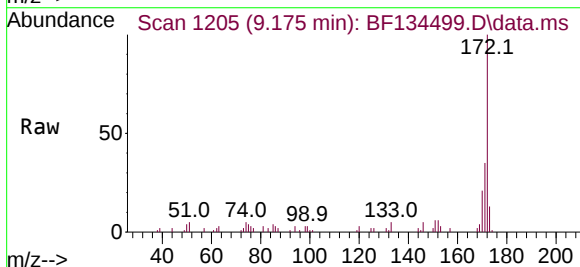


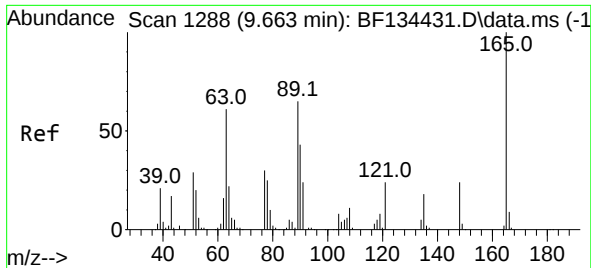
Tgt Ion:330 Resp: 2530
Ion Ratio Lower Upper
330 100
332 96.2 78.8 118.2
141 78.3 25.4 38.2#



#45
2-Fluorobiphenyl
Concen: 2.008 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.017 min
Lab File: BF134499.D
Acq: 27 Jul 2023 00:32

Tgt Ion:172 Resp: 17343
Ion Ratio Lower Upper
172 100
171 34.7 28.8 43.2
170 20.9 18.7 28.1

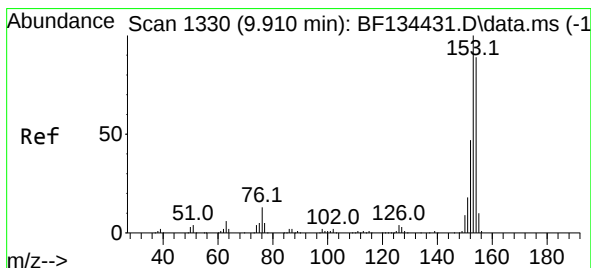
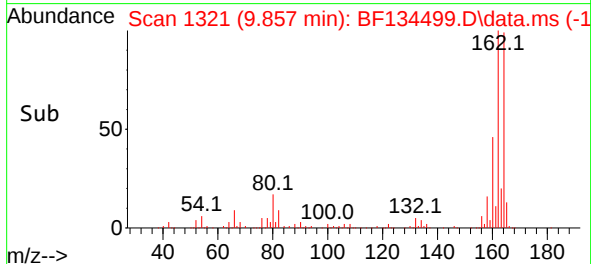
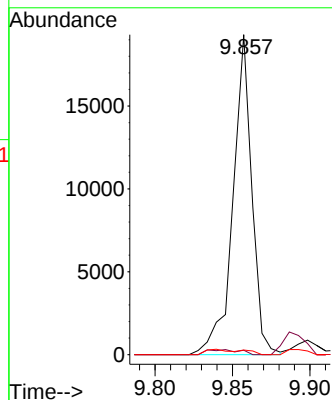
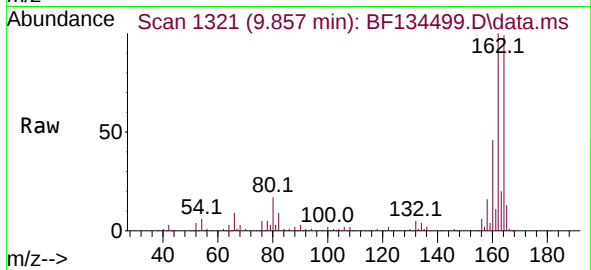




#51
2,6-Dinitrotoluene
Concen: 8.879 ng
RT: 9.857 min Scan# 11
Delta R.T. 0.194 min
Lab File: BF134499.D
Acq: 27 Jul 2023 00:32

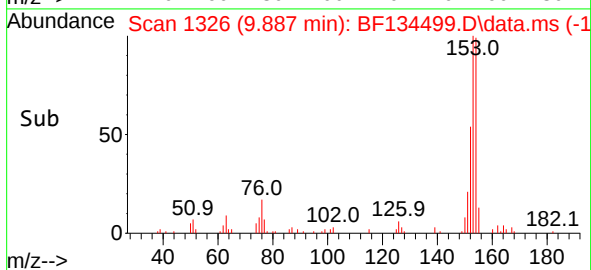
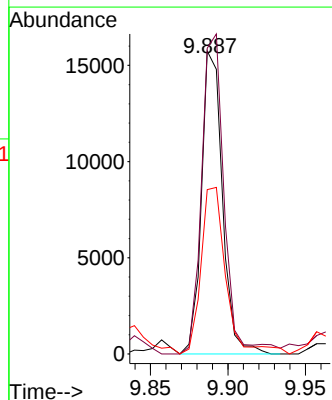
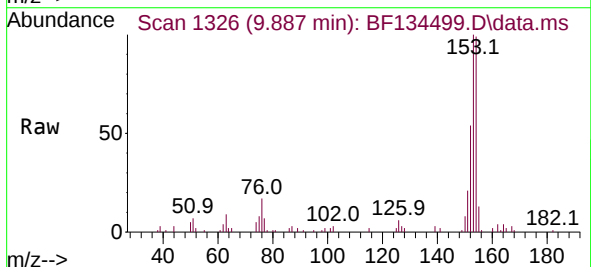
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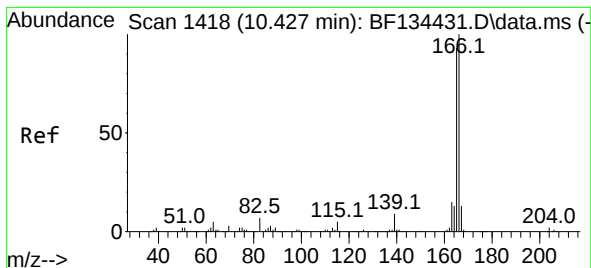
Tgt Ion:165 Resp: 16374
Ion Ratio Lower Upper
165 100
63 1.4 57.8 86.6#
89 1.5 51.8 77.8#



#52
Acenaphthene
Concen: 2.156 ng
RT: 9.887 min Scan# 1326
Delta R.T. -0.023 min
Lab File: BF134499.D
Acq: 27 Jul 2023 00:32

Tgt Ion:154 Resp: 14820
Ion Ratio Lower Upper
154 100
153 101.0 90.0 135.0
152 54.2 42.4 63.6





#58

Fluorene

Concen: 8.156 ng

RT: 10.410 min Scan# 1418

Delta R.T. -0.017 min

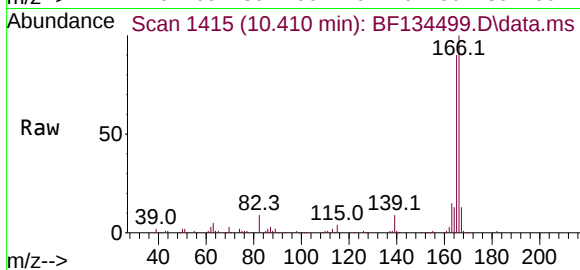
Lab File: BF134499.D

Acq: 27 Jul 2023 00:32

Instrument :

BNA_F

ClientSampleId :



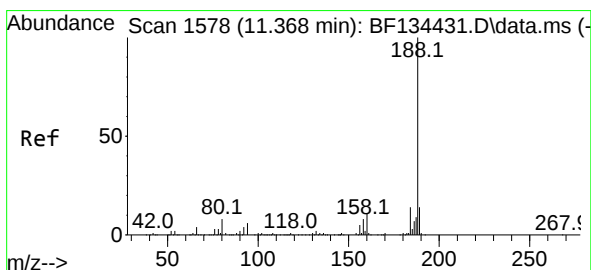
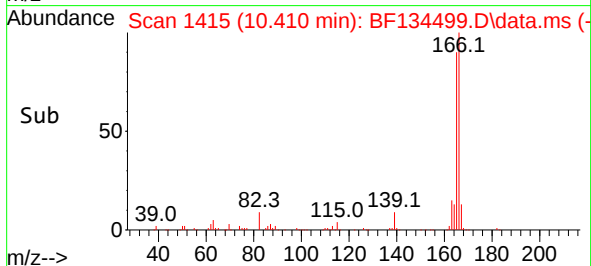
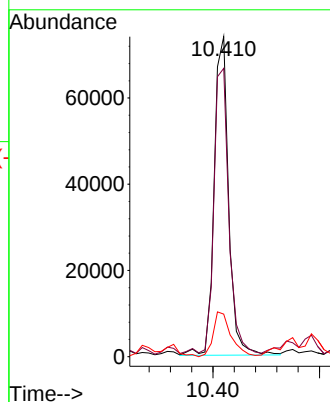
Tgt Ion:166 Resp: 69621

Ion Ratio Lower Upper

166 100

165 90.1 74.5 111.7

167 13.3 10.6 16.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.351 min Scan# 1575

Delta R.T. -0.017 min

Lab File: BF134499.D

Acq: 27 Jul 2023 00:32

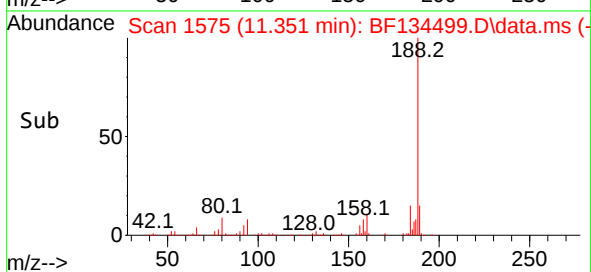
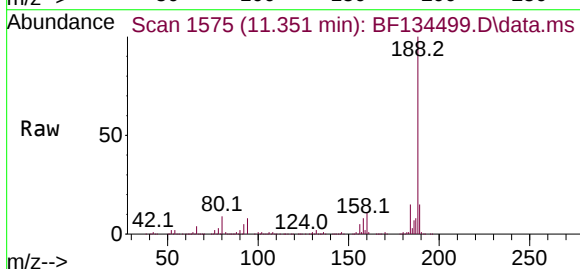
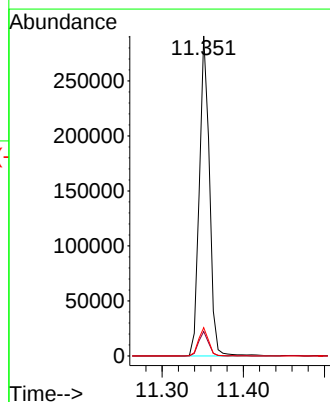
Tgt Ion:188 Resp: 252504

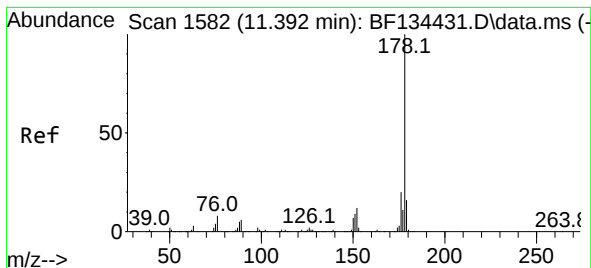
Ion Ratio Lower Upper

188 100

94 7.7 5.1 7.7

80 8.9 6.6 9.8





#71

Phenanthrene

Concen: 37.636 ng

RT: 11.375 min Scan# 1

Delta R.T. -0.017 min

Lab File: BF134499.D

Acq: 27 Jul 2023 00:32

Instrument :

BNA_F

ClientSampleId :

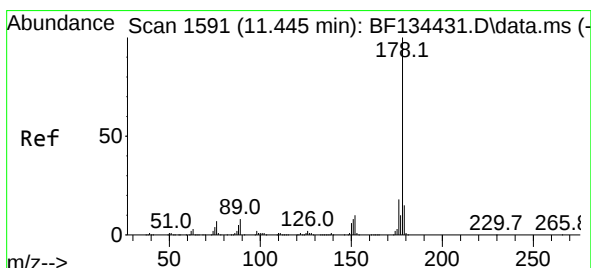
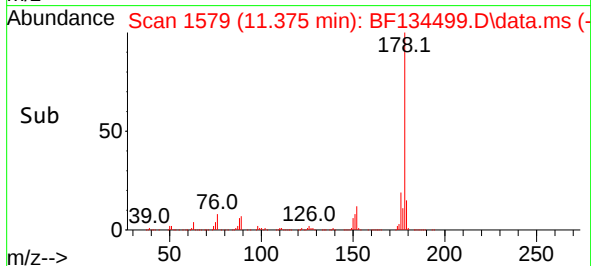
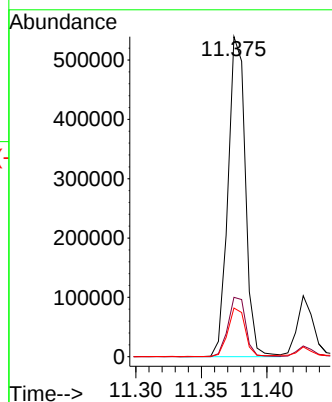
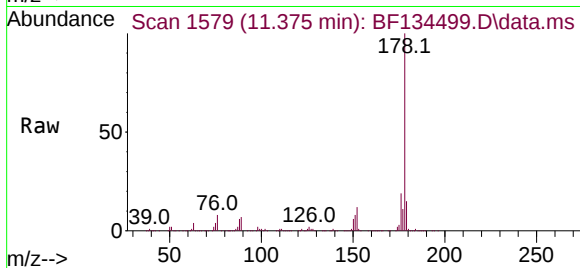
Tgt Ion:178 Resp: 496535

Ion Ratio Lower Upper

178 100

176 18.6 15.8 23.6

179 15.2 12.7 19.1



#72

Anthracene

Concen: 6.119 ng

RT: 11.428 min Scan# 1588

Delta R.T. -0.017 min

Lab File: BF134499.D

Acq: 27 Jul 2023 00:32

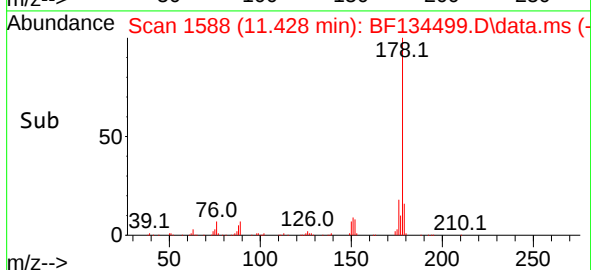
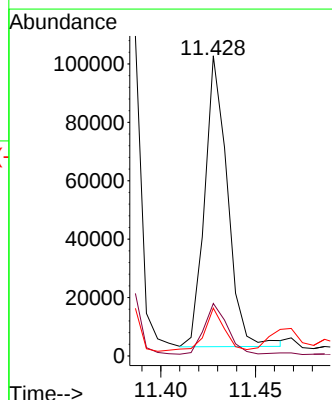
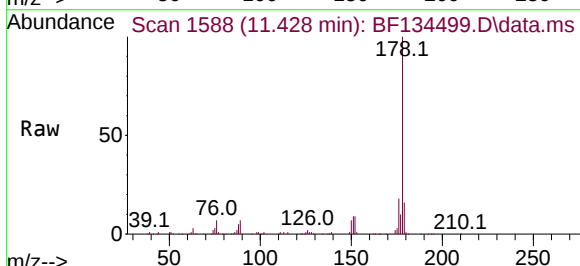
Tgt Ion:178 Resp: 83316

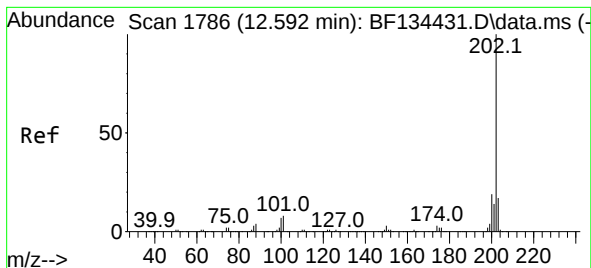
Ion Ratio Lower Upper

178 100

176 17.5 14.6 21.8

179 15.9 12.3 18.5





#75

Fluoranthene

Concen: 27.407 ng

RT: 12.575 min Scan# 1

Delta R.T. -0.017 min

Lab File: BF134499.D

Acq: 27 Jul 2023 00:32

Instrument :

BNA_F

ClientSampleId :

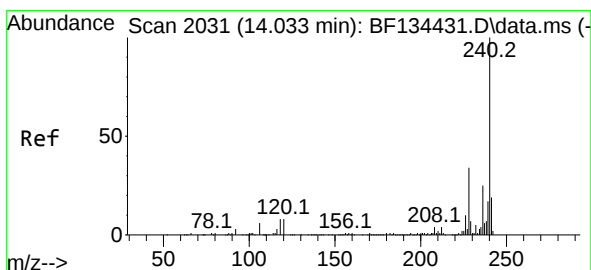
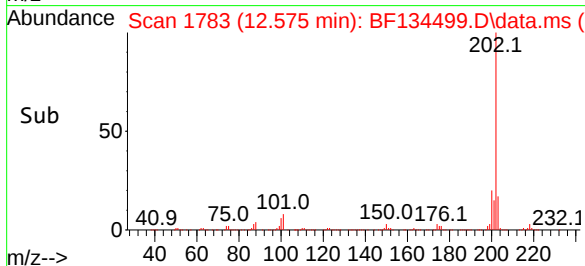
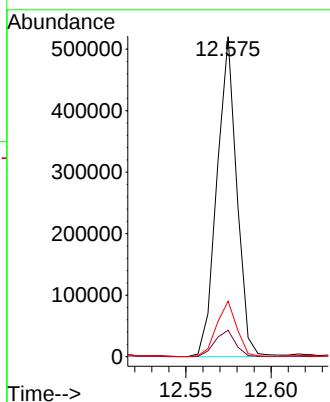
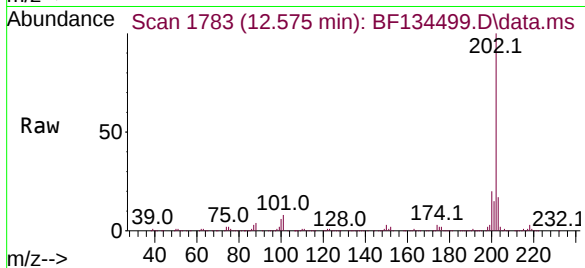
Tgt Ion:202 Resp: 421401

Ion Ratio Lower Upper

202 100

101 8.2 0.0 28.5

203 17.3 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2027

Delta R.T. -0.023 min

Lab File: BF134499.D

Acq: 27 Jul 2023 00:32

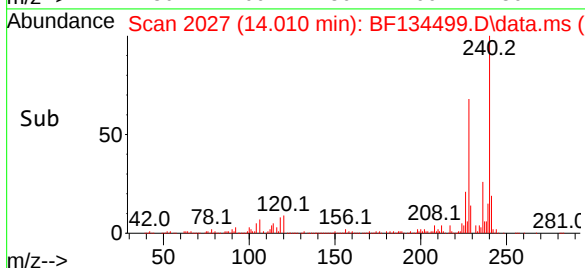
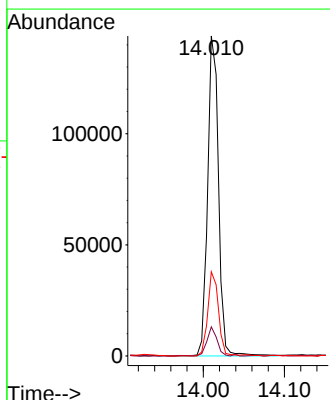
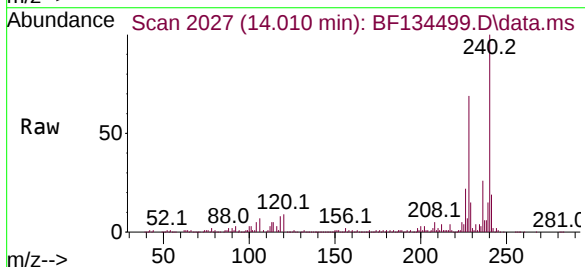
Tgt Ion:240 Resp: 133480

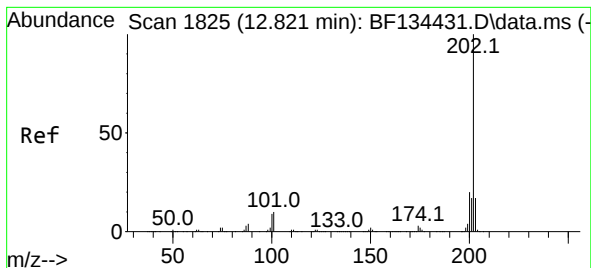
Ion Ratio Lower Upper

240 100

120 9.1 6.6 10.0

236 26.3 20.2 30.2





#78

Pyrene

Concen: 52.466 ng

RT: 12.804 min Scan# 1822

Delta R.T. -0.017 min

Lab File: BF134499.D

Acq: 27 Jul 2023 00:32

Instrument :

BNA_F

ClientSampleId :

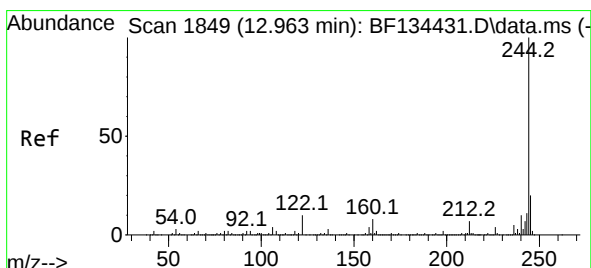
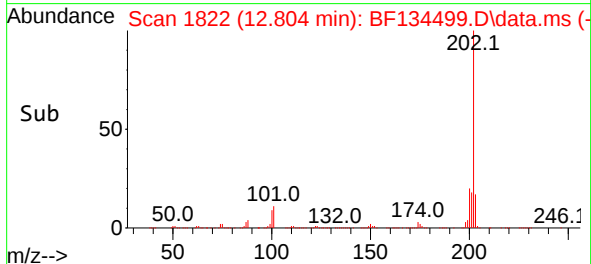
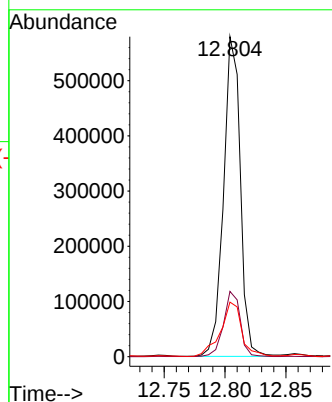
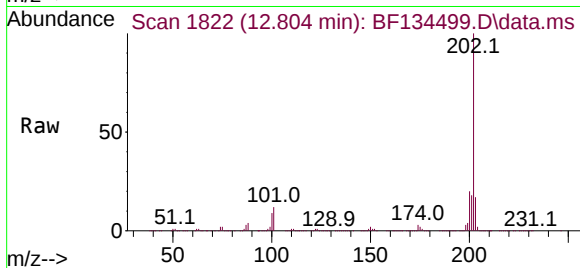
Tgt Ion:202 Resp: 556840

Ion Ratio Lower Upper

202 100

200 20.4 15.8 23.8

203 17.1 13.5 20.3



#79

Terphenyl-d14

Concen: 2.235 ng

RT: 12.945 min Scan# 1846

Delta R.T. -0.017 min

Lab File: BF134499.D

Acq: 27 Jul 2023 00:32

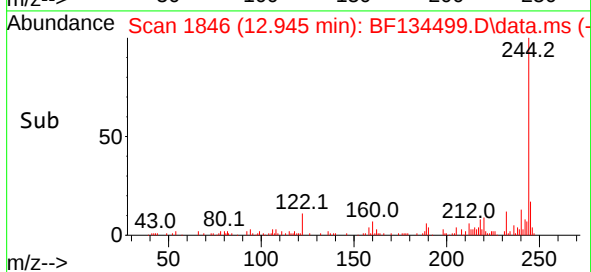
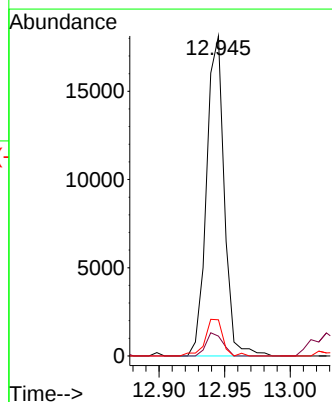
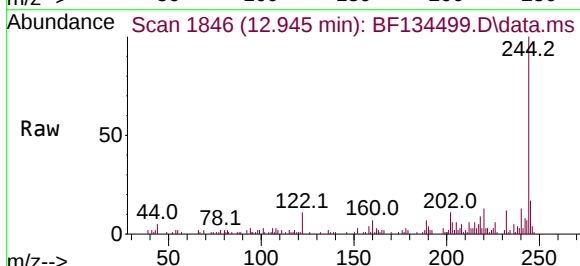
Tgt Ion:244 Resp: 17086

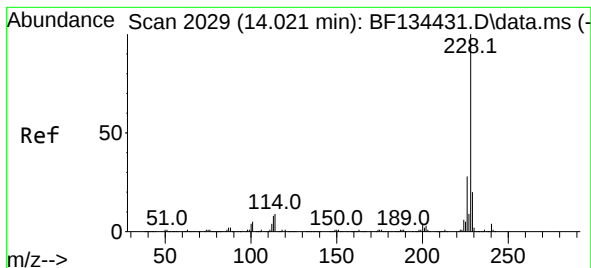
Ion Ratio Lower Upper

244 100

212 6.2 5.6 8.4

122 11.3 8.0 12.0





#81

Benzo(a)anthracene

Concen: 25.318 ng

RT: 14.004 min Scan# 2026

Delta R.T. -0.017 min

Lab File: BF134499.D

Acq: 27 Jul 2023 00:32

Instrument :

BNA_F

ClientSampleId :

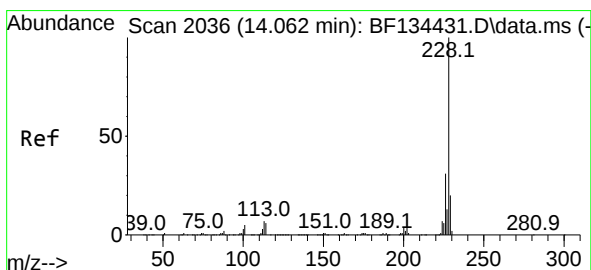
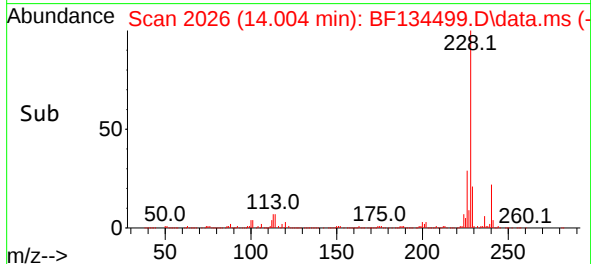
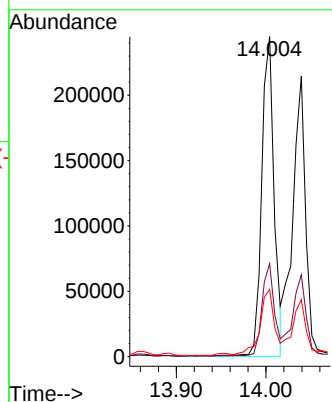
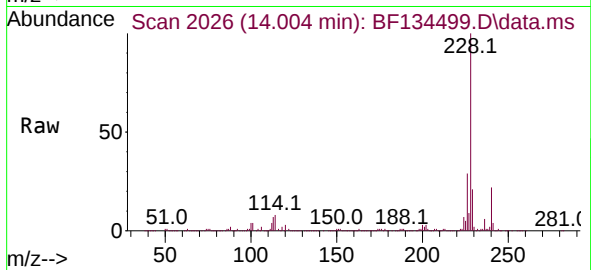
Tgt Ion:228 Resp: 235779

Ion Ratio Lower Upper

228 100

226 29.1 22.3 33.5

229 21.0 15.8 23.6



#83

Chrysene

Concen: 24.357 ng

RT: 14.039 min Scan# 2032

Delta R.T. -0.023 min

Lab File: BF134499.D

Acq: 27 Jul 2023 00:32

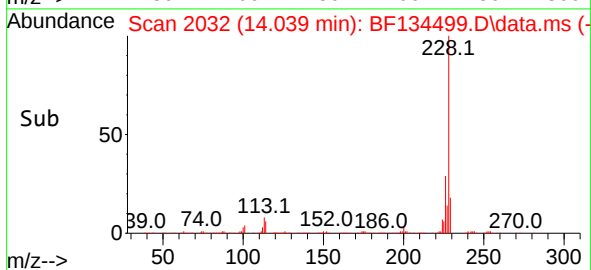
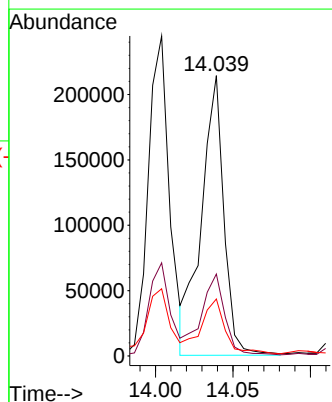
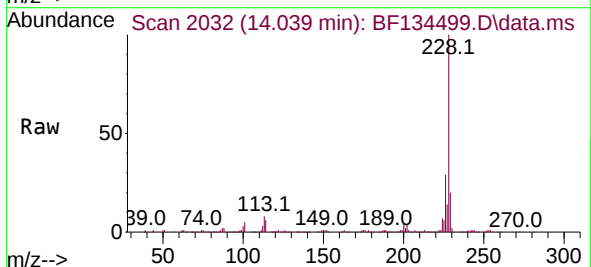
Tgt Ion:228 Resp: 216957

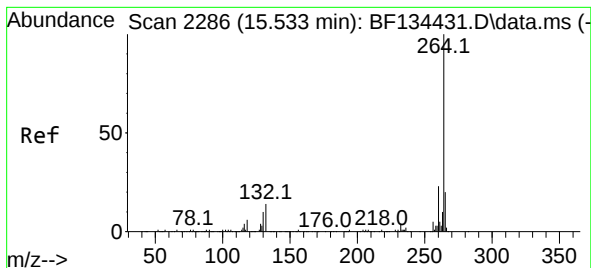
Ion Ratio Lower Upper

228 100

226 29.2 24.5 36.7

229 20.3 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.510 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF134499.D

Acq: 27 Jul 2023 00:32

Instrument :

BNA_F

ClientSampleId :

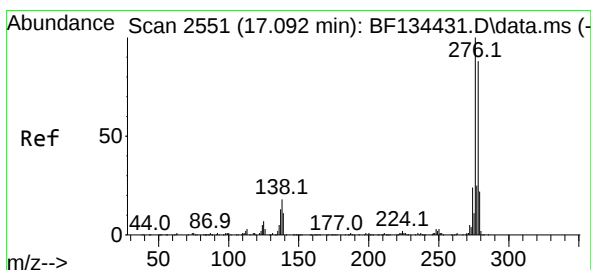
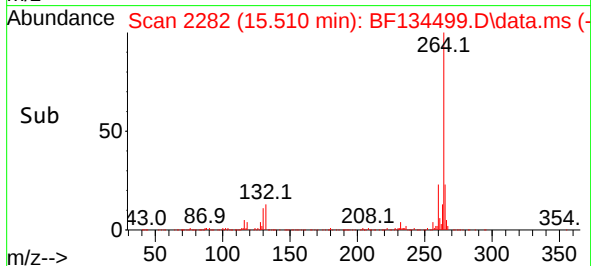
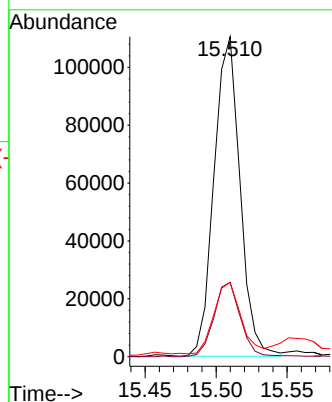
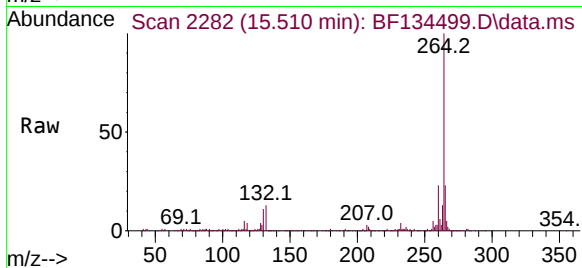
Tgt Ion:264 Resp: 140296

Ion Ratio Lower Upper

264 100

260 23.2 18.4 27.6

265 23.3 15.8 23.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.745 ng

RT: 17.039 min Scan# 2542

Delta R.T. -0.053 min

Lab File: BF134499.D

Acq: 27 Jul 2023 00:32

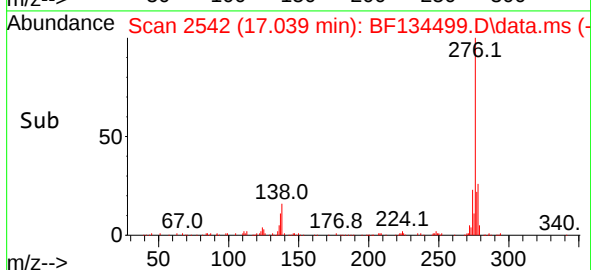
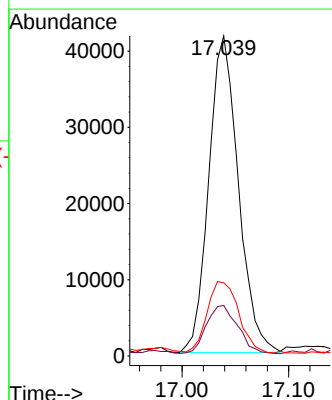
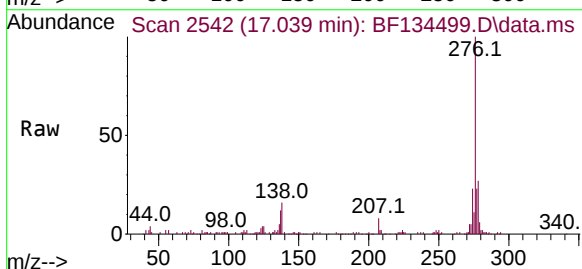
Tgt Ion:276 Resp: 80155

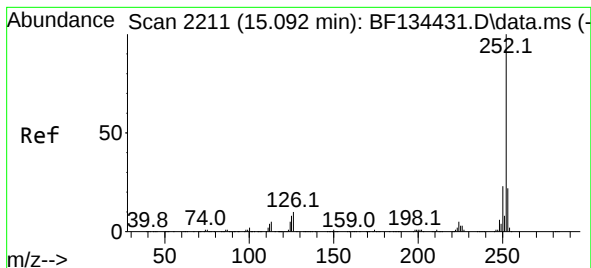
Ion Ratio Lower Upper

276 100

138 16.2 14.2 21.4

277 24.1 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 35.101 ng

RT: 15.069 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF134499.D

Acq: 27 Jul 2023 00:32

Instrument :

BNA_F

ClientSampleId :

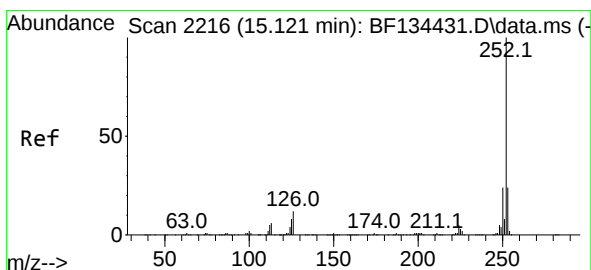
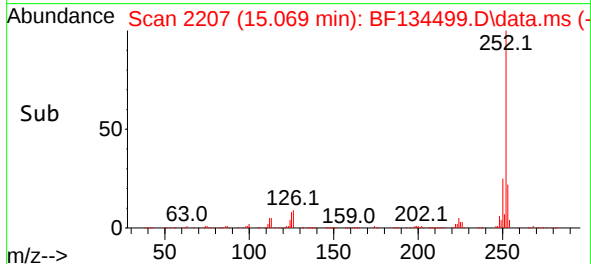
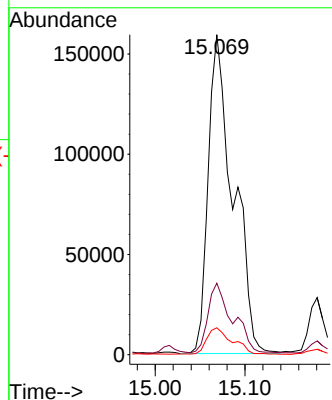
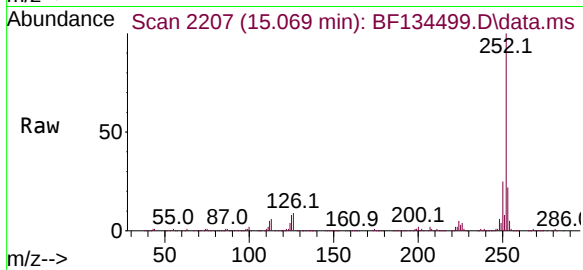
Tgt Ion:252 Resp: 308077

Ion Ratio Lower Upper

252 100

253 22.4 17.3 25.9

125 8.4 6.0 9.0



#89

Benzo(k)fluoranthene

Concen: 35.692 ng

RT: 15.069 min Scan# 2207

Delta R.T. -0.053 min

Lab File: BF134499.D

Acq: 27 Jul 2023 00:32

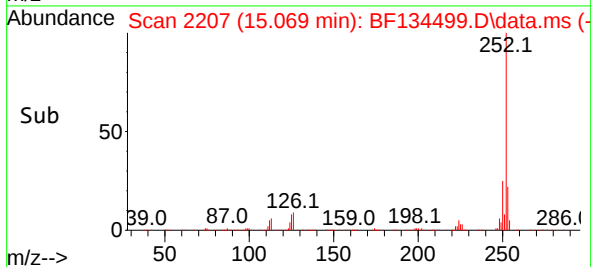
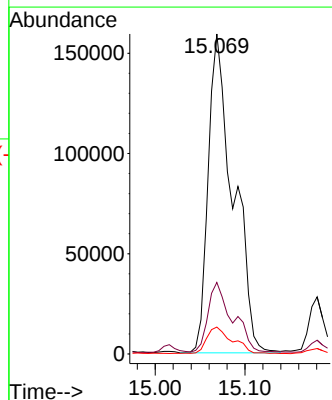
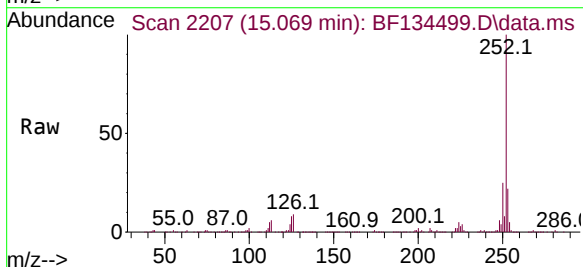
Tgt Ion:252 Resp: 308077

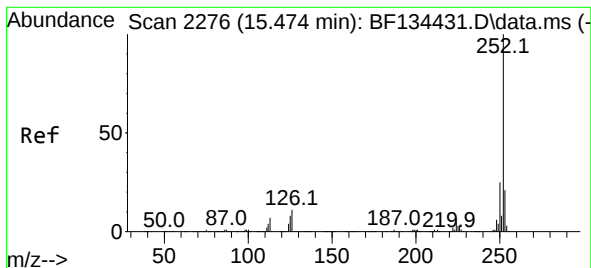
Ion Ratio Lower Upper

252 100

253 22.4 17.9 26.9

125 8.4 6.3 9.5





#90

Benzo(a)pyrene

Concen: 23.528 ng

RT: 15.445 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF134499.D

Acq: 27 Jul 2023 00:32

Instrument :

BNA_F

ClientSampleId :

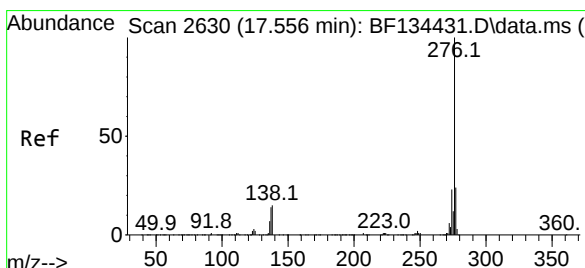
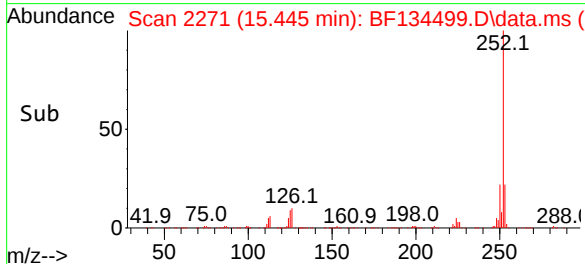
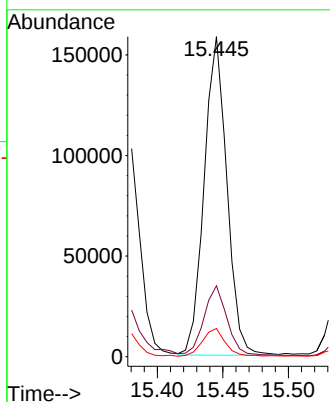
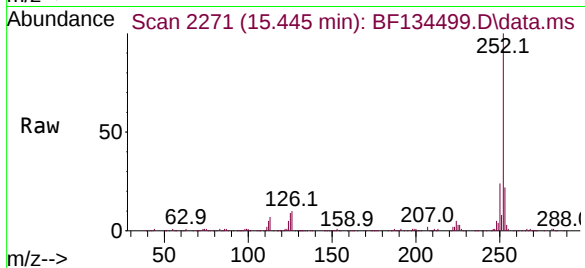
Tgt Ion:252 Resp: 190880

Ion Ratio Lower Upper

252 100

253 22.2 17.0 25.4

125 8.8 6.2 9.4



#92

Benzo(g,h,i)perylene

Concen: 10.515 ng

RT: 17.504 min Scan# 2621

Delta R.T. -0.053 min

Lab File: BF134499.D

Acq: 27 Jul 2023 00:32

Tgt Ion:276 Resp: 79917

Ion Ratio Lower Upper

276 100

277 25.3 19.0 28.6

138 16.7 12.2 18.2

