

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080223\
 Data File : BF134570.D
 Acq On : 02 Aug 2023 09:50
 Operator : CG\JU
 Sample : 03826-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-01-072823

Quant Time: Aug 02 10:40:57 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 02 02:20:34 2023
 Response via : Initial Calibration

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

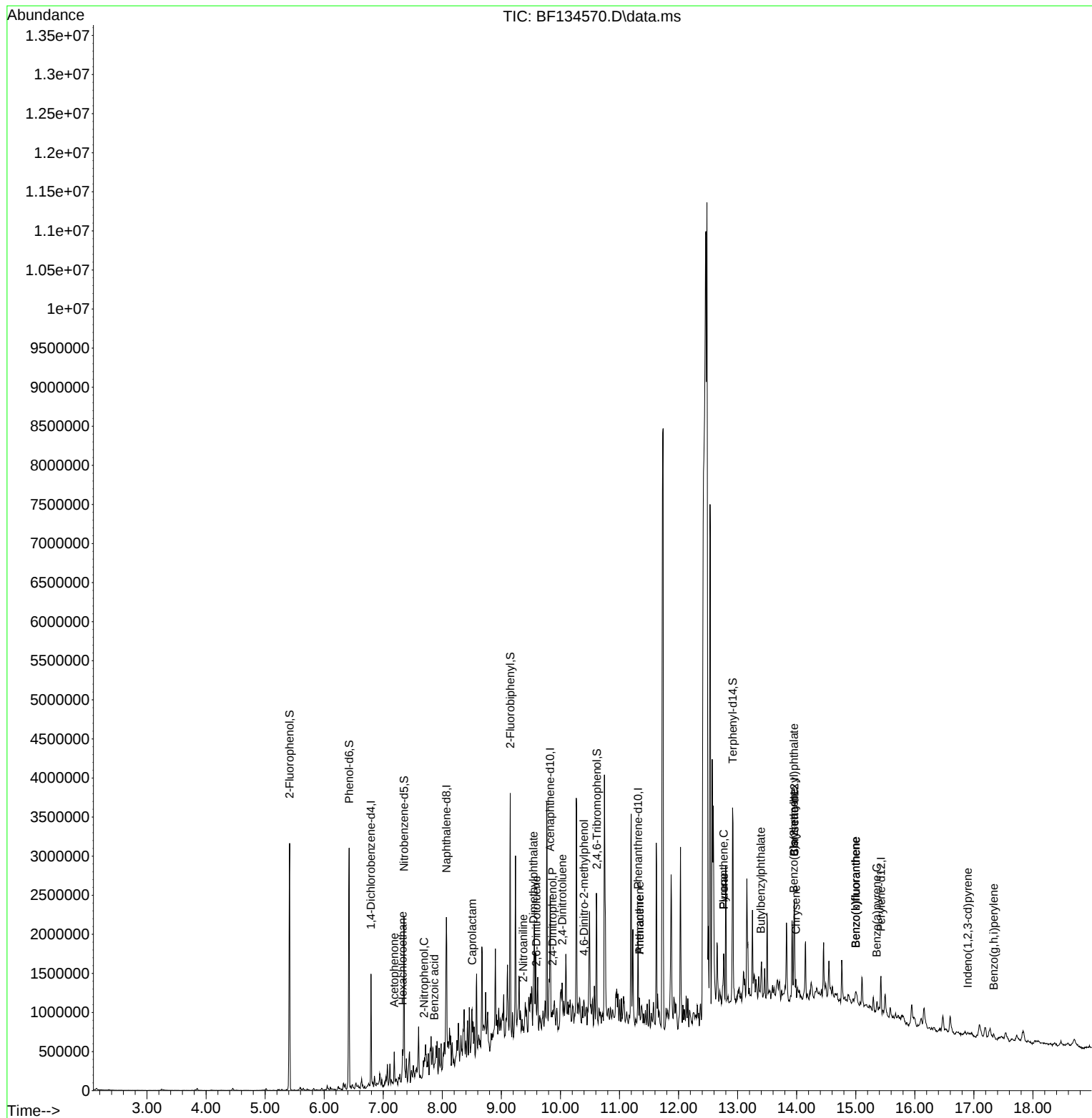
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	176084	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	618908	20.000	ng	# 0.00
39) Acenaphthene-d10	9.828	164	243984	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	430478	20.000	ng	# 0.00
76) Chrysene-d12	13.963	240	263856	20.000	ng	# 0.00
86) Perylene-d12	15.427	264	233009	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	852689	73.611	ng	0.00
7) Phenol-d6	6.422	99	1026695	69.336	ng	0.00
23) Nitrobenzene-d5	7.351	82	581490	58.715	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	172406	69.318	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	889145	60.593	ng	0.00
79) Terphenyl-d14	12.916	244	912835	60.988	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.351	77	3177	Below Cal	#	1
18) Hexachloroethane	7.328	117	15368	3.614	ng	# 1
22) Acetophenone	7.187	105	47394	3.317	ng	# 52
26) 2-Nitrophenol	7.692	139	1403	5.070	ng	# 1
32) Benzoic acid	7.863	122	1478	8.064	ng	# 1
35) Caprolactam	8.504	113	12665	4.488	ng	# 1
48) 2-Nitroaniline	9.369	65	1004	3.378	ng	# 51
50) Dimethylphthalate	9.545	163	64344	3.869	ng	# 92
51) 2,6-Dinitrotoluene	9.592	165	1852	3.011	ng	# 47
54) 2,4-Dinitrophenol	9.869	184	217	6.995	ng	# 1
57) 2,4-Dinitrotoluene	10.033	165	1917	3.289	ng	# 69
65) 4,6-Dinitro-2-methylph...	10.398	198	610	8.986	ng	# 1
71) Phenanthrene	11.339	178	93180	4.075	ng	98
72) Anthracene	11.339	178	93180	3.990	ng	96
75) Fluoranthene	12.763	202	232614	9.631	ng	90
78) Pyrene	12.763	202	234819	10.285	ng	# 94
80) Butylbenzylphthalate	13.392	149	28792	3.729	ng	# 73
81) Benzo(a)anthracene	13.951	228	80574	4.271	ng	# 86
83) Chrysene	13.986	228	94798	5.157	ng	# 91
84) Bis(2-ethylhexyl)phtha...	13.957	149	177133	19.496	ng	96
87) Indeno(1,2,3-cd)pyrene	16.898	276	33312	2.431	ng	# 92
88) Benzo(b)fluoranthene	14.998	252	110752	7.793	ng	# 75
89) Benzo(k)fluoranthene	14.998	252	110752	7.823	ng	# 76
90) Benzo(a)pyrene	15.357	252	56421	4.258	ng	# 75
92) Benzo(g,h,i)perylene	17.339	276	34237	3.031	ng	# 77

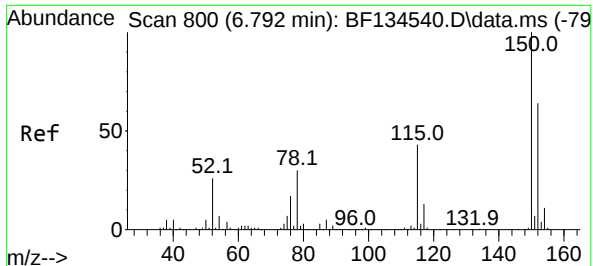
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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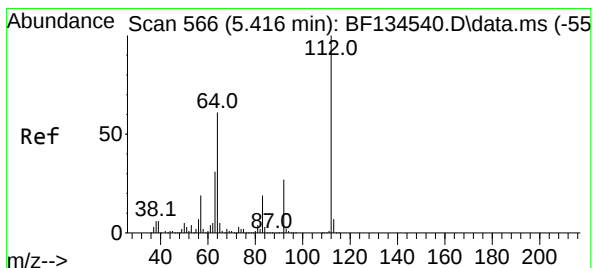
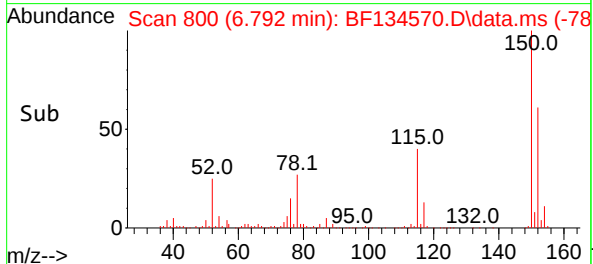
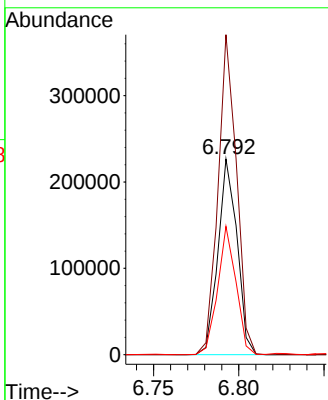
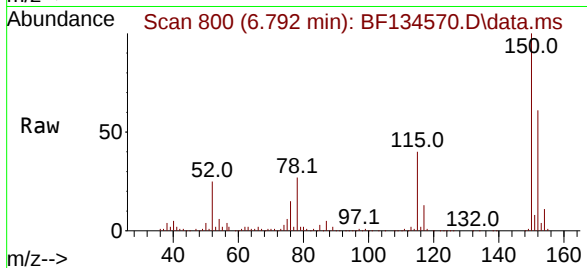




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134570.D
Acq: 02 Aug 2023 09:50

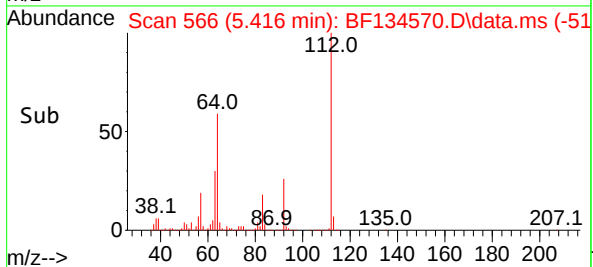
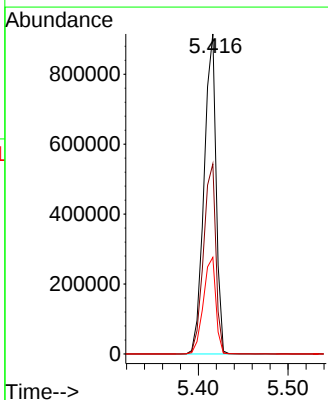
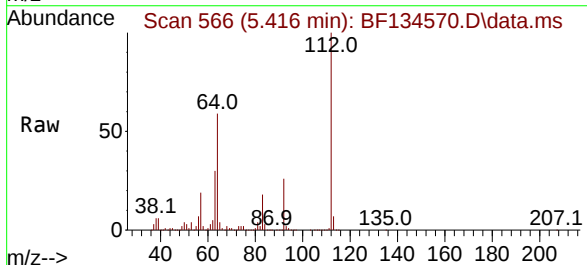
Instrument :
BNA_F
ClientSampleId :
HR-01-072823

Tgt Ion:152 Resp: 176084
Ion Ratio Lower Upper
152 100
150 163.5 128.3 192.5
115 65.5 52.4 78.6



#5
2-Fluorophenol
Concen: 73.611 ng
RT: 5.416 min Scan# 566
Delta R.T. 0.000 min
Lab File: BF134570.D
Acq: 02 Aug 2023 09:50

Tgt Ion:112 Resp: 852689
Ion Ratio Lower Upper
112 100
64 59.4 44.9 67.3
63 30.2 25.4 38.0





#7

Phenol-d6

Concen: 69.336 ng

RT: 6.422 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF134570.D

Acq: 02 Aug 2023 09:50

Instrument :

BNA_F

ClientSampleId :

HR-01-072823

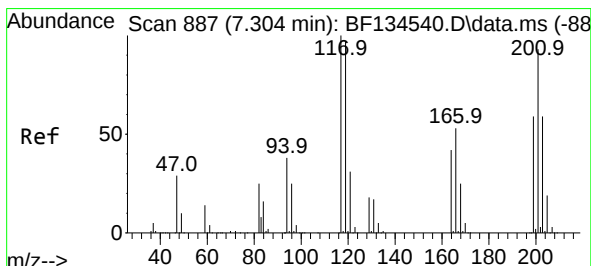
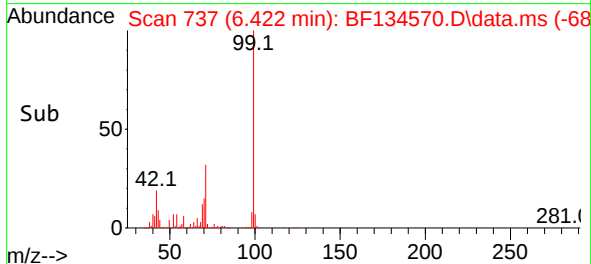
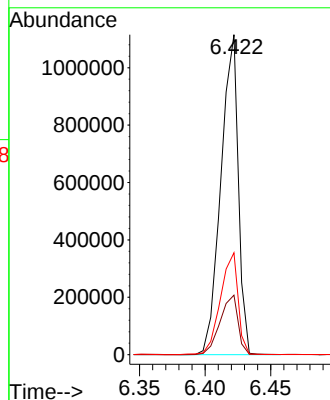
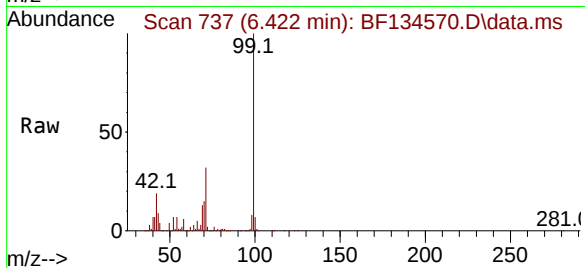
Tgt Ion: 99 Resp: 1026695

Ion Ratio Lower Upper

99 100

42 18.6 18.7 28.1#

71 31.8 36.4 54.6#



#18

Hexachloroethane

Concen: 3.614 ng

RT: 7.328 min Scan# 891

Delta R.T. 0.024 min

Lab File: BF134570.D

Acq: 02 Aug 2023 09:50

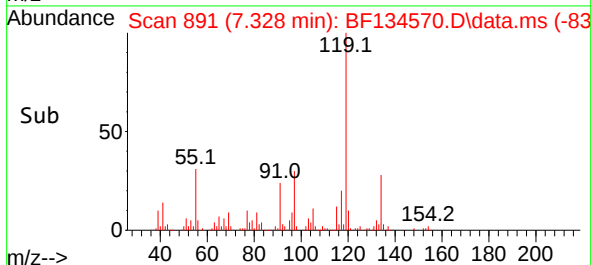
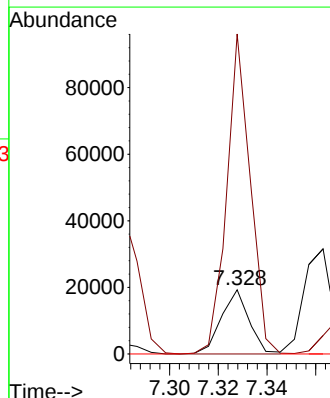
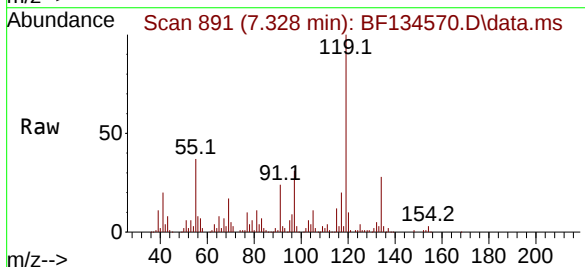
Tgt Ion:117 Resp: 15368

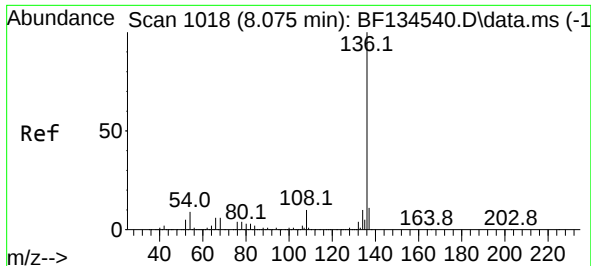
Ion Ratio Lower Upper

117 100

119 498.1 75.8 113.8#

201 0.0 73.6 110.4#

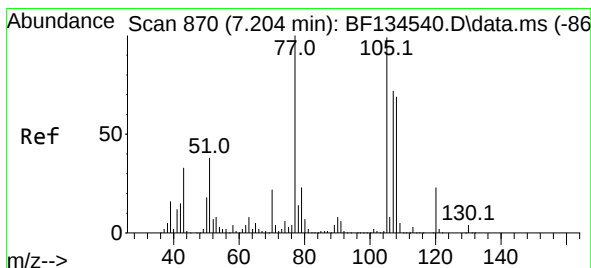
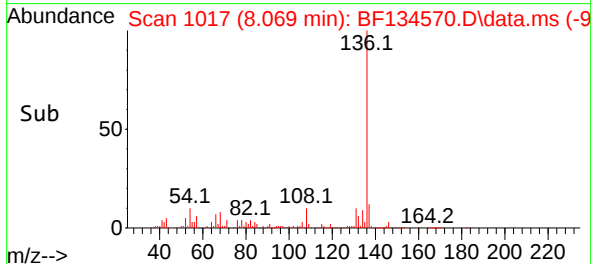
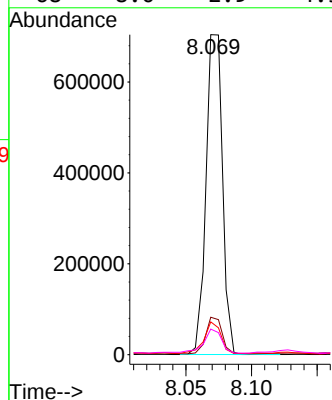
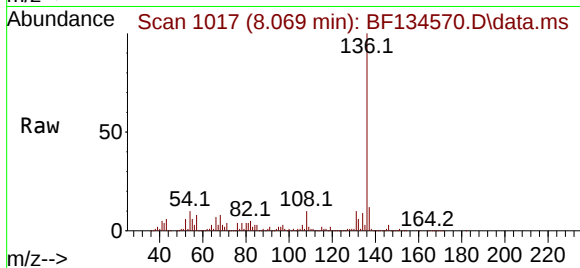




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134570.D
Acq: 02 Aug 2023 09:50

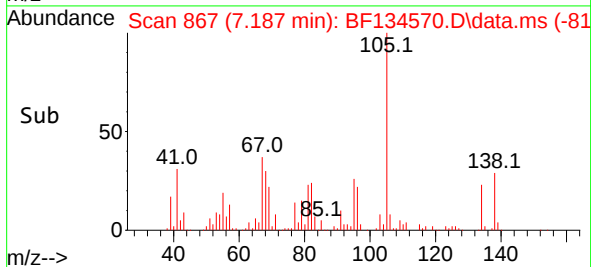
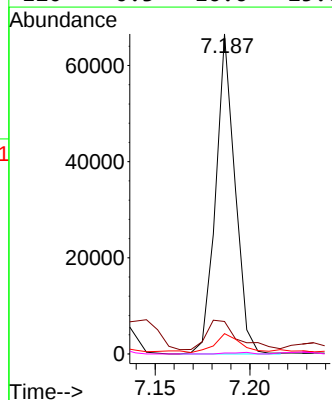
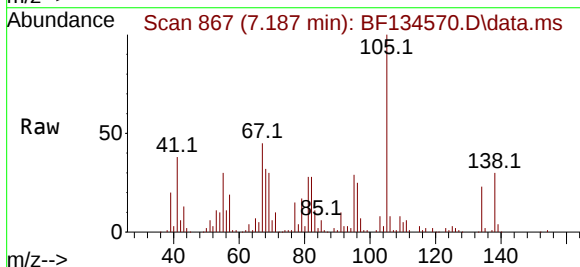
Instrument :
BNA_F
ClientSampleId :
HR-01-072823

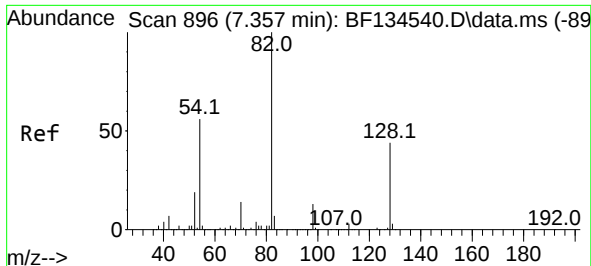
Tgt Ion:136 Resp: 618908
Ion Ratio Lower Upper
136 100
137 11.7 8.4 12.6
54 10.2 5.2 7.8#
68 8.0 2.9 4.3#



#22
Acetophenone
Concen: 3.317 ng
RT: 7.187 min Scan# 867
Delta R.T. -0.017 min
Lab File: BF134570.D
Acq: 02 Aug 2023 09:50

Tgt Ion:105 Resp: 47394
Ion Ratio Lower Upper
105 100
71 10.1 7.4 11.0
51 6.3 36.4 54.6#
120 0.3 16.6 25.0#





#23

Nitrobenzene-d5

Concen: 58.715 ng

RT: 7.351 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF134570.D

Acq: 02 Aug 2023 09:50

Instrument :

BNA_F

ClientSampleId :

HR-01-072823

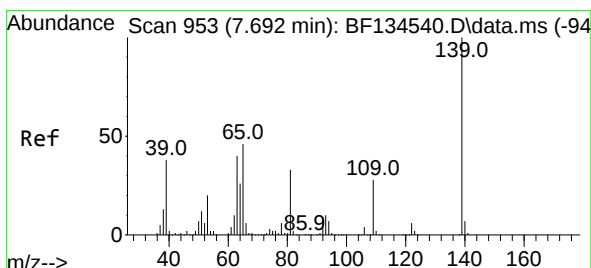
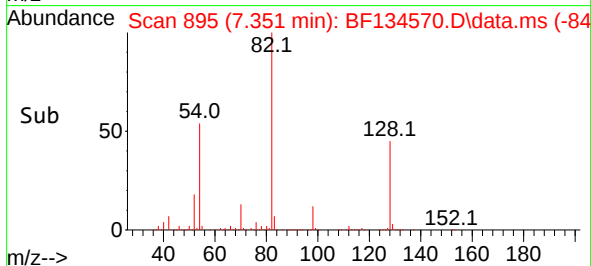
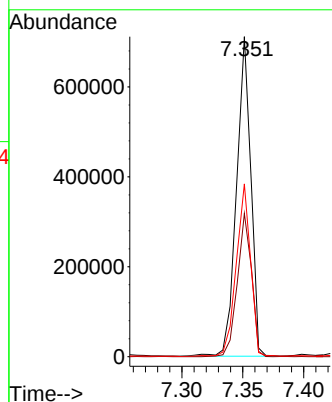
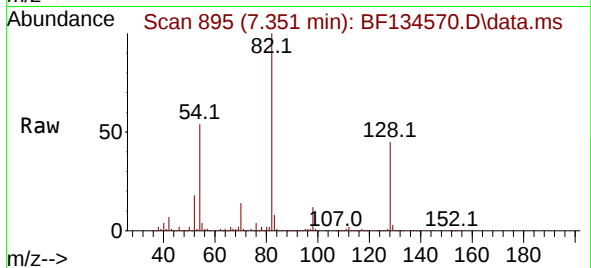
Tgt Ion: 82 Resp: 581490

Ion Ratio Lower Upper

82 100

128 44.8 34.3 51.5

54 54.0 43.8 65.6



#26

2-Nitrophenol

Concen: 5.070 ng

RT: 7.692 min Scan# 953

Delta R.T. 0.000 min

Lab File: BF134570.D

Acq: 02 Aug 2023 09:50

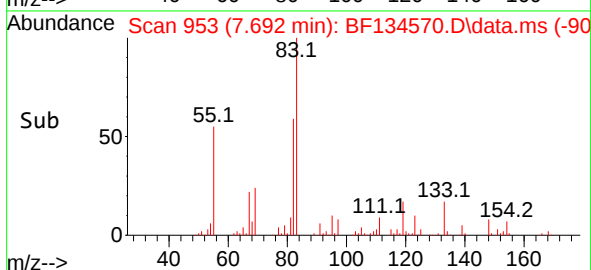
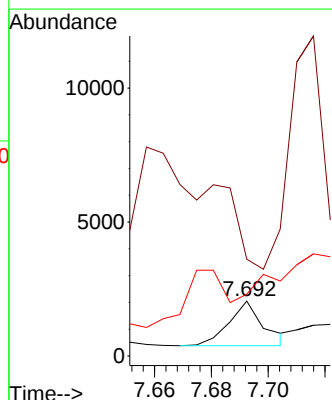
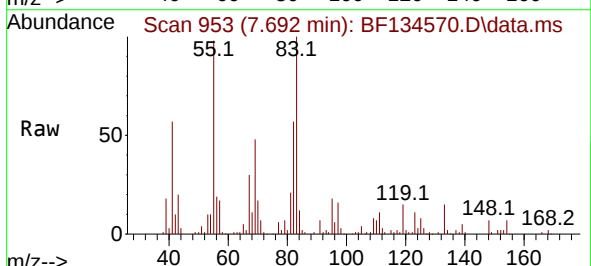
Tgt Ion: 139 Resp: 1403

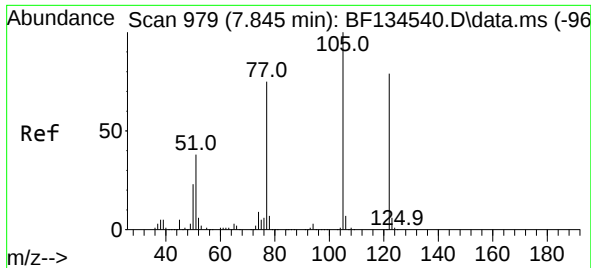
Ion Ratio Lower Upper

139 100

109 176.4 29.8 44.6#

65 112.7 45.4 68.2#

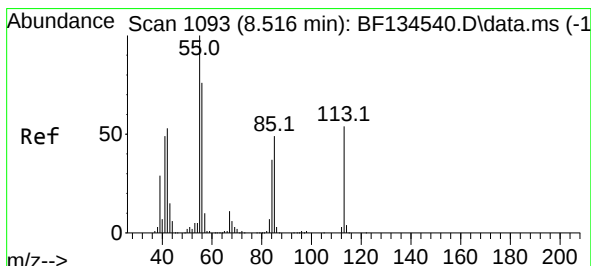
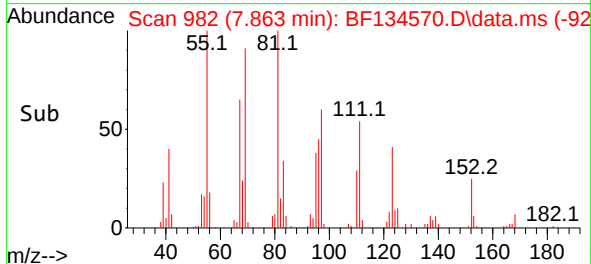
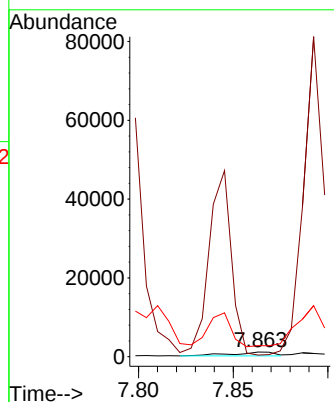
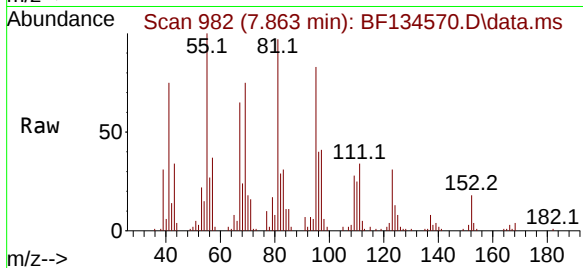




#32
Benzoic acid
Concen: 8.064 ng
RT: 7.863 min Scan# 91
Delta R.T. 0.018 min
Lab File: BF134570.D
Acq: 02 Aug 2023 09:50

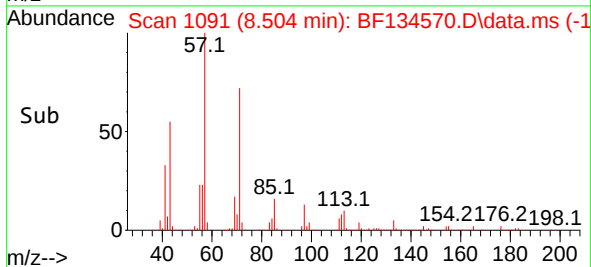
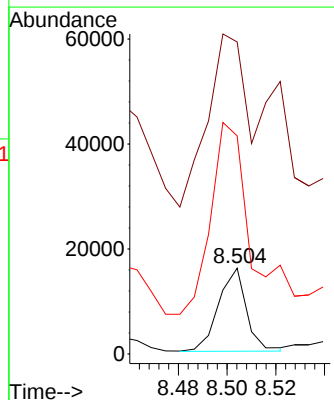
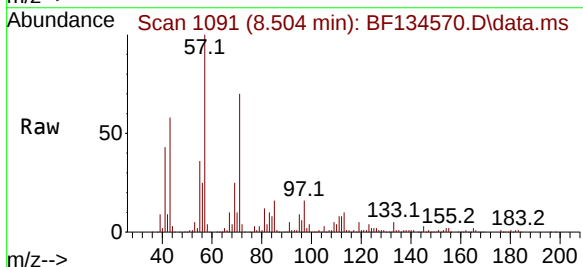
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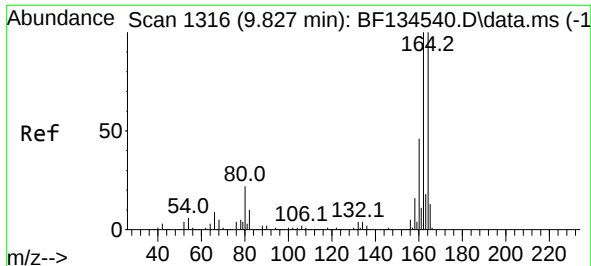
Tgt Ion:122 Resp: 1478
Ion Ratio Lower Upper
122 100
105 36.8 87.5 127.5#
77 241.9 71.4 111.4#



#35
Caprolactam
Concen: 4.488 ng
RT: 8.504 min Scan# 1091
Delta R.T. -0.012 min
Lab File: BF134570.D
Acq: 02 Aug 2023 09:50

Tgt Ion:113 Resp: 12665
Ion Ratio Lower Upper
113 100
55 363.7 161.5 201.5#
56 254.2 117.8 157.8#

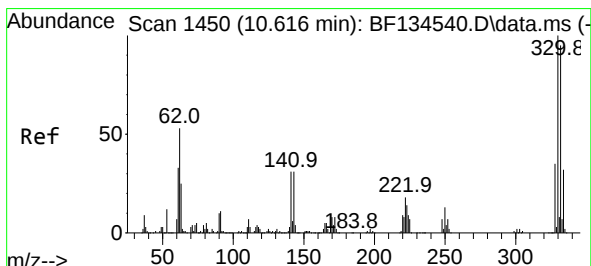
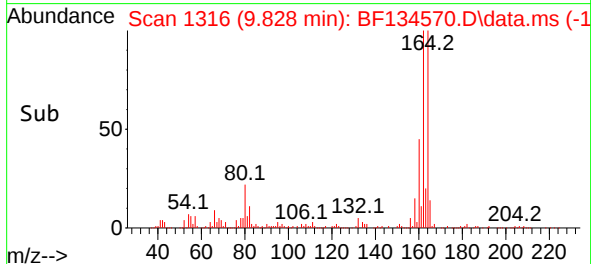
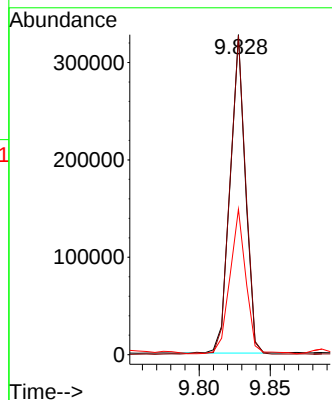
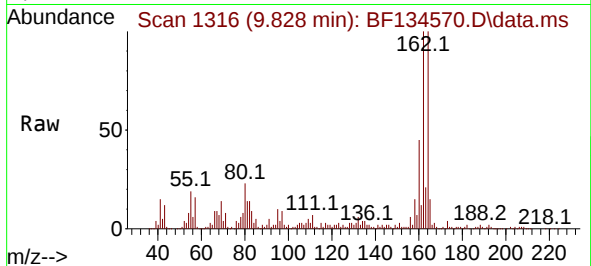




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF134570.D
Acq: 02 Aug 2023 09:50

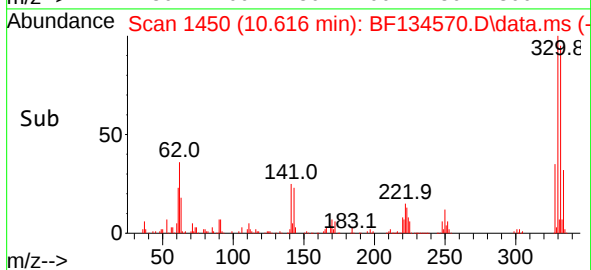
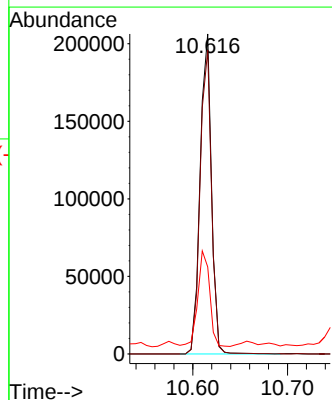
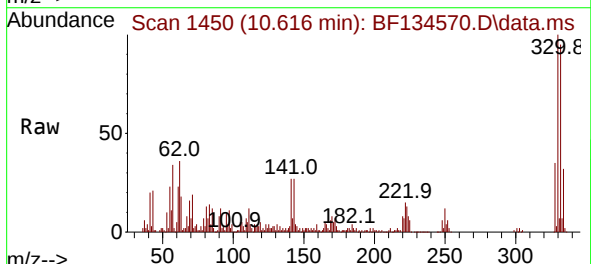
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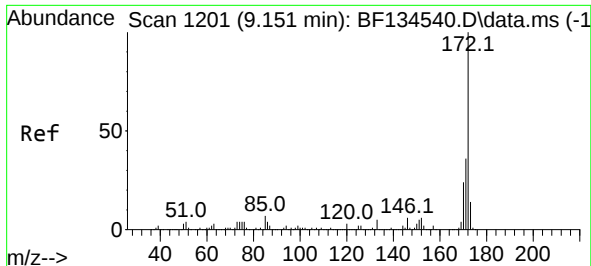
Tgt Ion:164 Resp: 243984
Ion Ratio Lower Upper
164 100
162 99.7 82.6 123.8
160 45.5 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 69.318 ng
RT: 10.616 min Scan# 1450
Delta R.T. 0.000 min
Lab File: BF134570.D
Acq: 02 Aug 2023 09:50

Tgt Ion:330 Resp: 172406
Ion Ratio Lower Upper
330 100
332 95.8 78.8 118.2
141 31.0 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 60.593 ng

RT: 9.151 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134570.D

Acq: 02 Aug 2023 09:50

Instrument :

BNA_F

ClientSampleId :

HR-01-072823

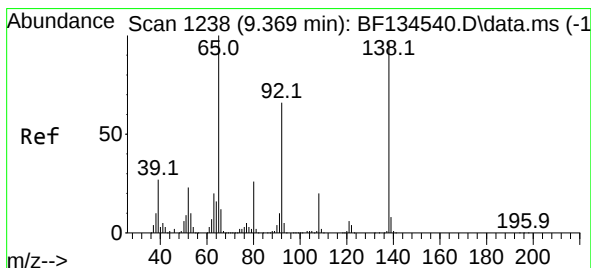
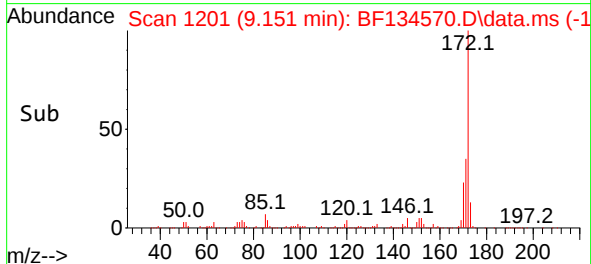
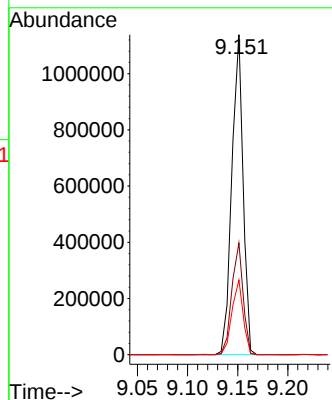
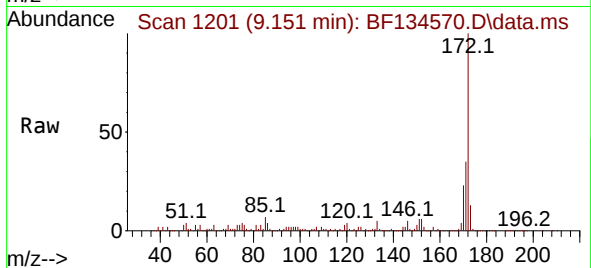
Tgt Ion:172 Resp: 889145

Ion Ratio Lower Upper

172 100

171 34.9 28.8 43.2

170 23.4 18.7 28.1



#48

2-Nitroaniline

Concen: 3.378 ng

RT: 9.369 min Scan# 1238

Delta R.T. -0.000 min

Lab File: BF134570.D

Acq: 02 Aug 2023 09:50

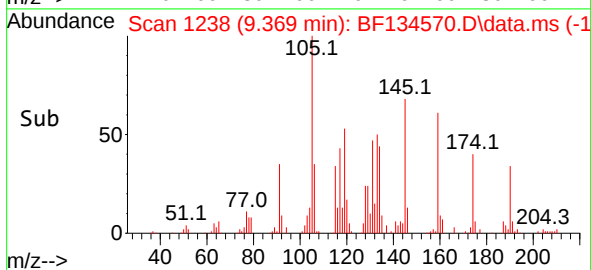
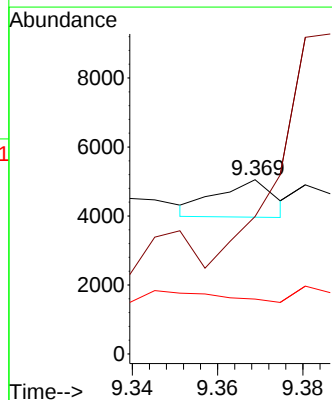
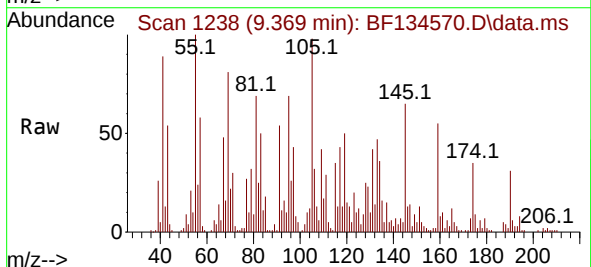
Tgt Ion: 65 Resp: 1004

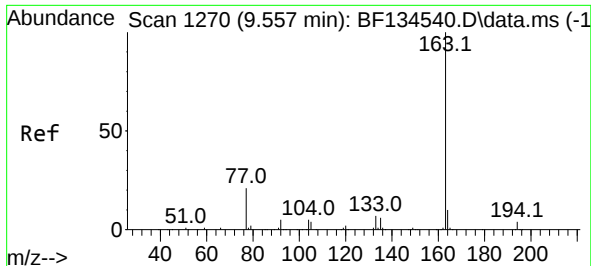
Ion Ratio Lower Upper

65 100

92 78.9 50.7 76.1#

138 31.5 78.2 117.4#

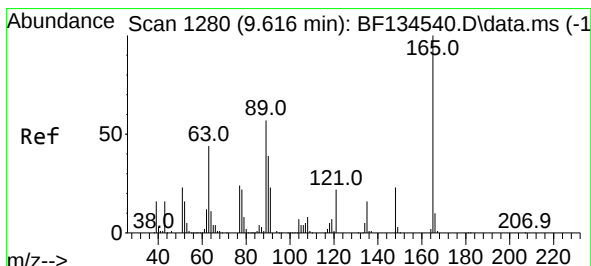
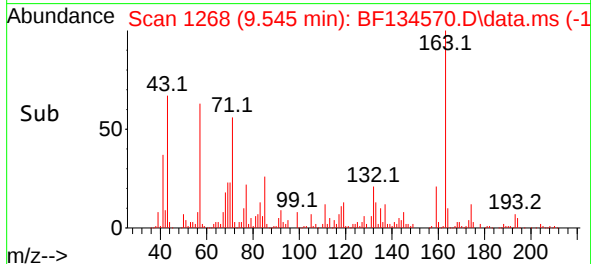
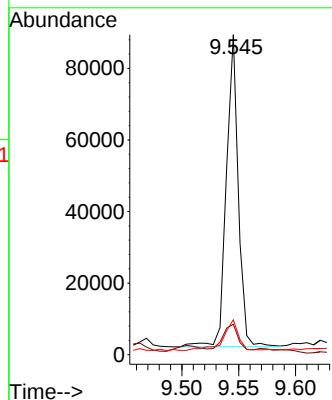
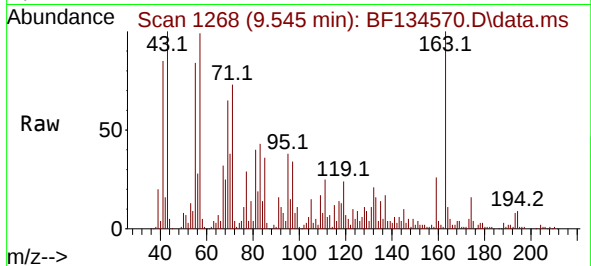




#50
Dimethylphthalate
Concen: 3.869 ng
RT: 9.545 min Scan# 1268
Delta R.T. -0.012 min
Lab File: BF134570.D
Acq: 02 Aug 2023 09:50

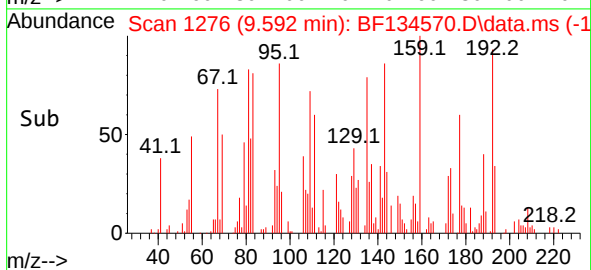
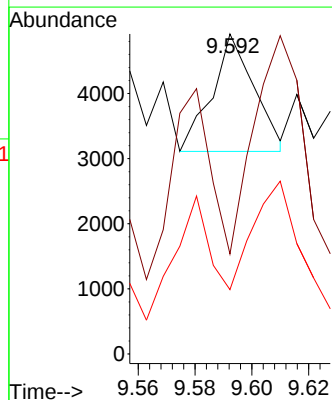
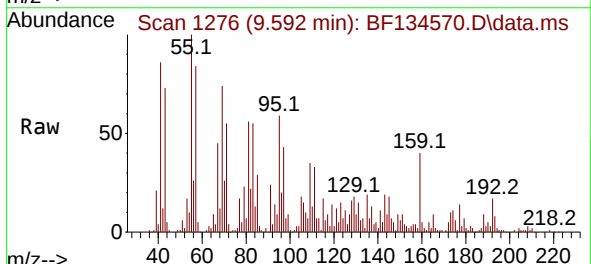
Instrument :
BNA_F
ClientSampleId :
HR-01-072823

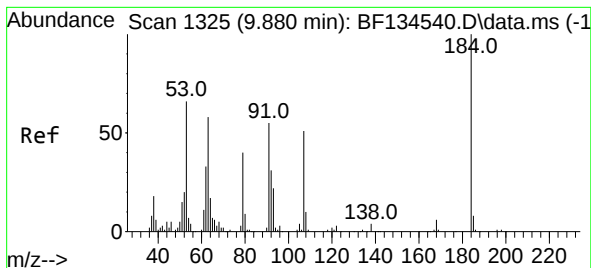
Tgt Ion:163 Resp: 64344
Ion Ratio Lower Upper
163 100
194 9.5 3.3 4.9#
164 10.9 7.5 11.3



#51
2,6-Dinitrotoluene
Concen: 3.011 ng
RT: 9.592 min Scan# 1276
Delta R.T. -0.024 min
Lab File: BF134570.D
Acq: 02 Aug 2023 09:50

Tgt Ion:165 Resp: 1852
Ion Ratio Lower Upper
165 100
63 31.3 57.8 86.6#
89 20.1 51.8 77.8#





#54

2,4-Dinitrophenol

Concen: 6.995 ng

RT: 9.869 min Scan# 11

Delta R.T. -0.011 min

Lab File: BF134570.D

Acq: 02 Aug 2023 09:50

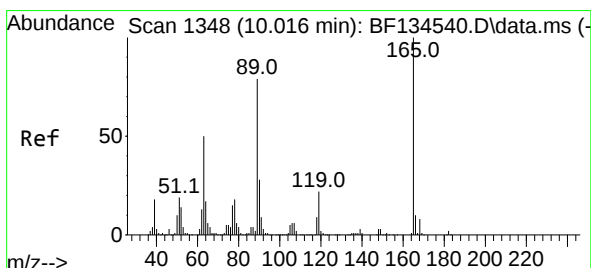
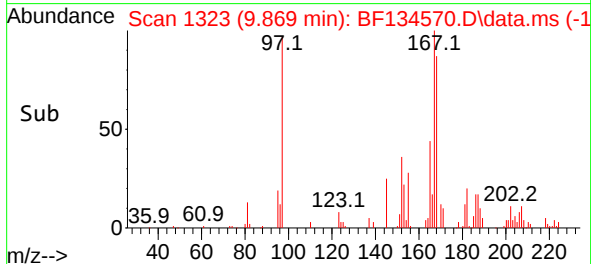
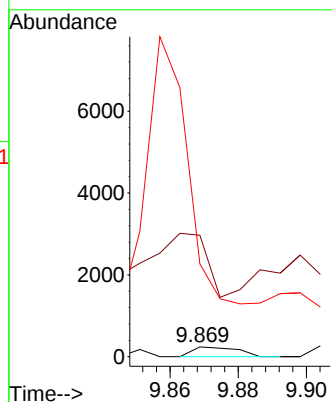
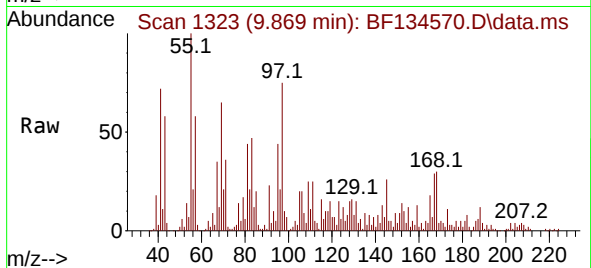
Instrument :

BNA_F

ClientSampleId :

HR-01-072823

Tgt Ion:184	Resp:	217
Ion Ratio	Lower	Upper
184	100	
63	1246.6	57.1 85.7#
154	952.5	59.1 88.7#



#57

2,4-Dinitrotoluene

Concen: 3.289 ng

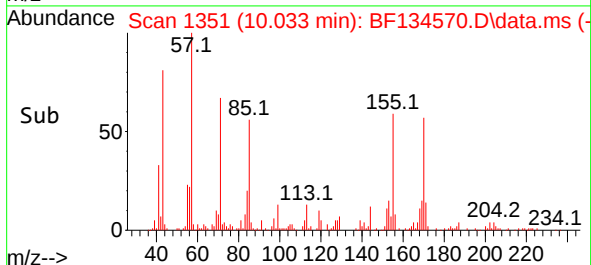
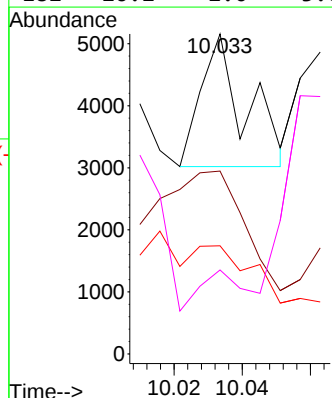
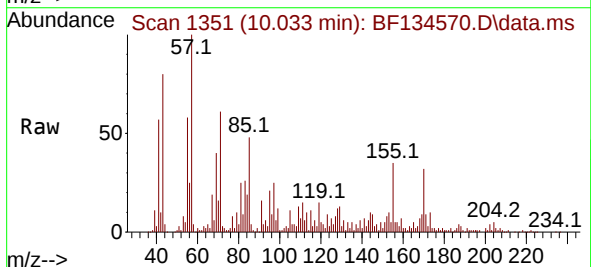
RT: 10.033 min Scan# 1351

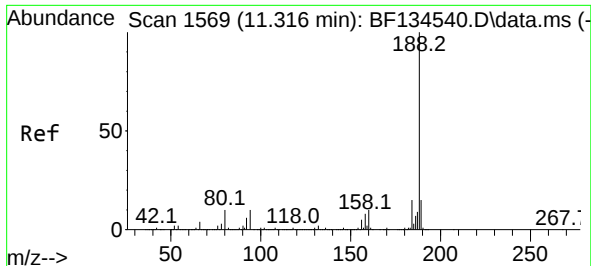
Delta R.T. 0.017 min

Lab File: BF134570.D

Acq: 02 Aug 2023 09:50

Tgt Ion:165	Resp:	1917
Ion Ratio	Lower	Upper
165	100	
63	57.2	48.9 73.3
89	33.8	61.7 92.5#
182	26.2	2.0 3.0#

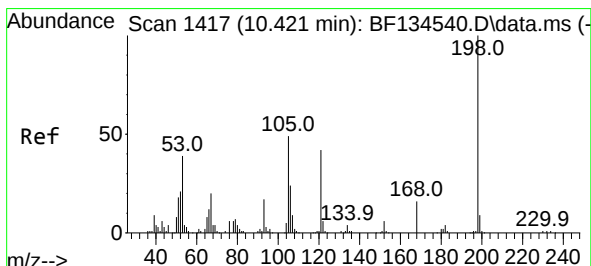
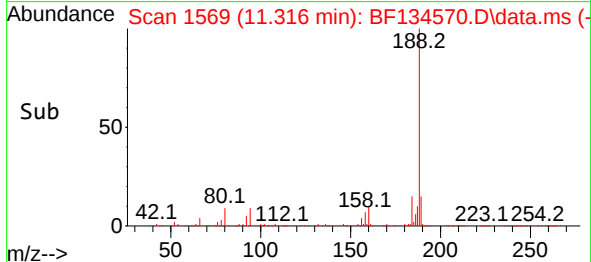
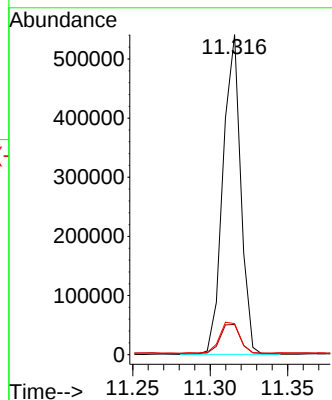
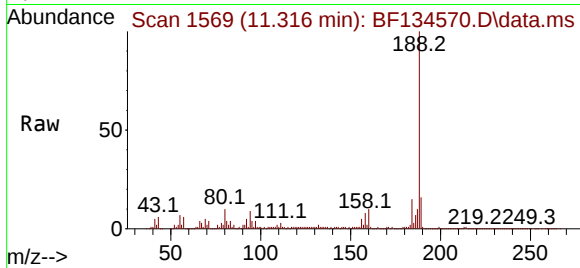




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134570.D
Acq: 02 Aug 2023 09:50

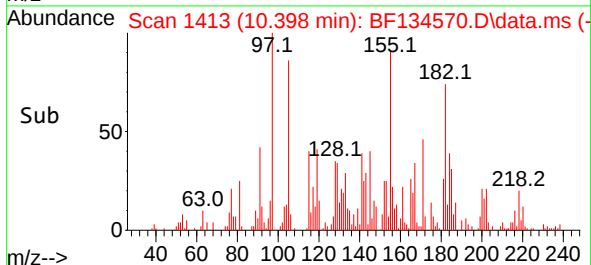
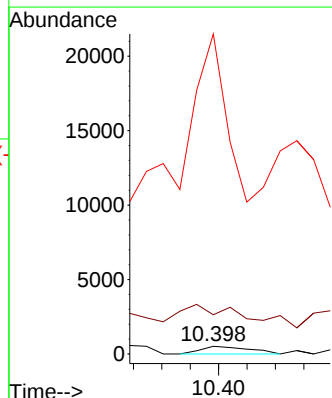
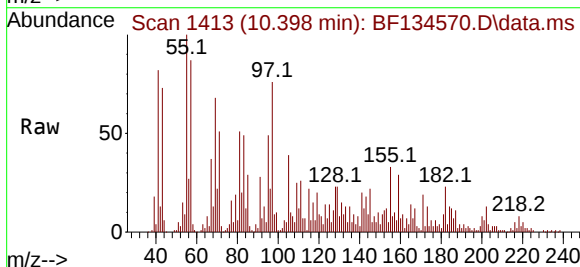
Instrument :
BNA_F
ClientSampleId :
HR-01-072823

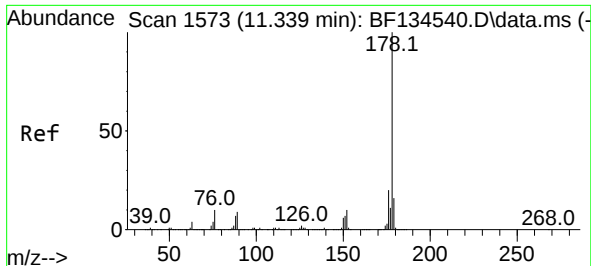
Tgt Ion:188 Resp: 430478
Ion Ratio Lower Upper
188 100
94 9.5 5.1 7.7#
80 9.7 6.6 9.8



#65
4,6-Dinitro-2-methylphenol
Concen: 8.986 ng
RT: 10.398 min Scan# 1413
Delta R.T. -0.023 min
Lab File: BF134570.D
Acq: 02 Aug 2023 09:50

Tgt Ion:198 Resp: 610
Ion Ratio Lower Upper
198 100
51 510.3 38.6 78.6#
105 4165.9 27.9 67.9#

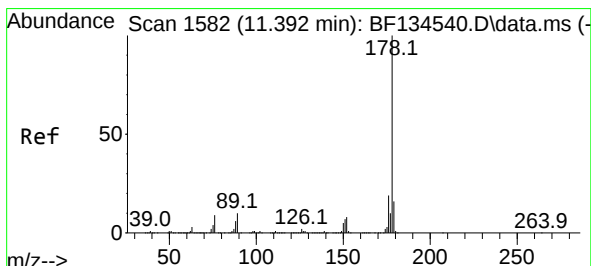
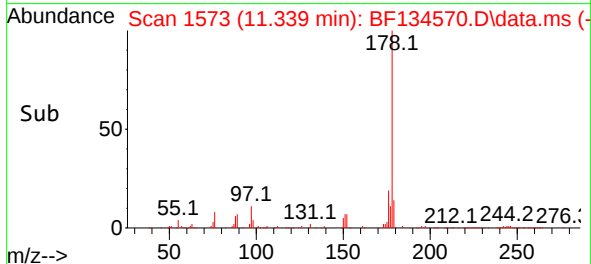
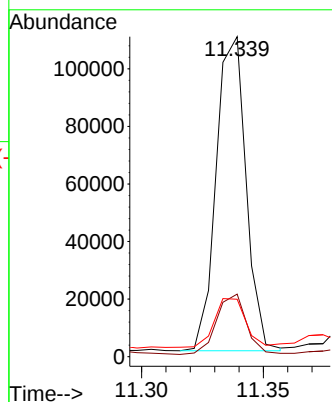
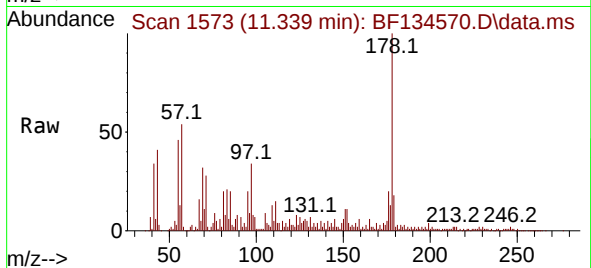




#71
Phenanthrene
Concen: 4.075 ng
RT: 11.339 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF134570.D
Acq: 02 Aug 2023 09:50

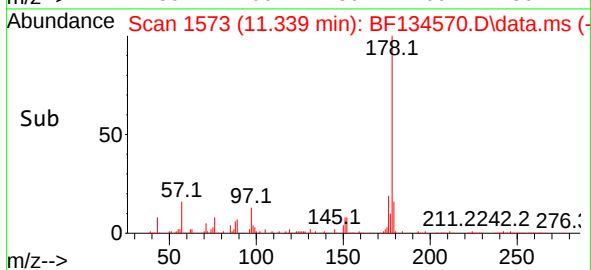
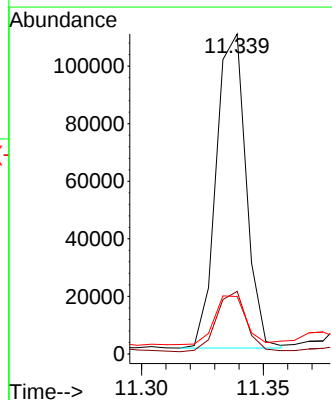
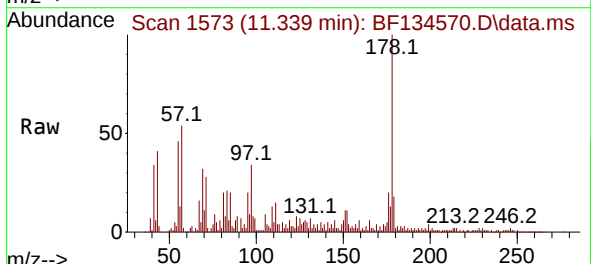
Instrument :
BNA_F
ClientSampleId :
HR-01-072823

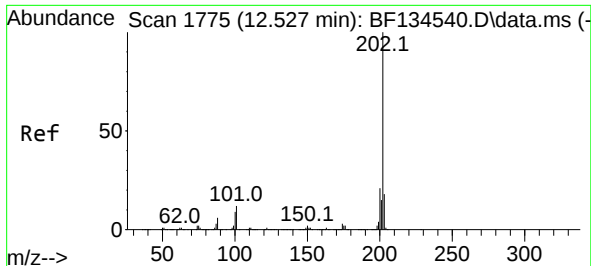
Tgt Ion:	178	Resp:	93180
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.8	23.6
179	18.0	12.7	19.1



#72
Anthracene
Concen: 3.990 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.053 min
Lab File: BF134570.D
Acq: 02 Aug 2023 09:50

Tgt Ion:	178	Resp:	93180
Ion Ratio	Lower	Upper	
178	100		
176	19.6	14.6	21.8
179	18.0	12.3	18.5

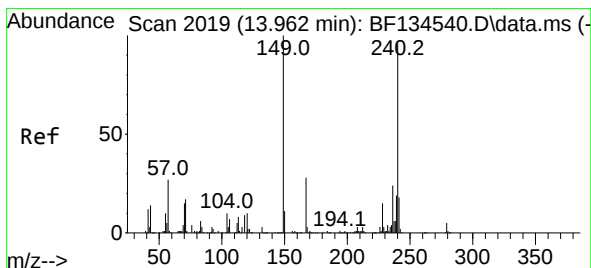
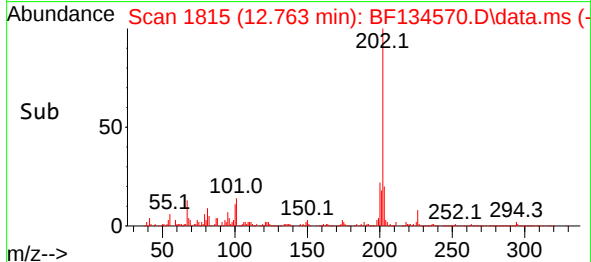
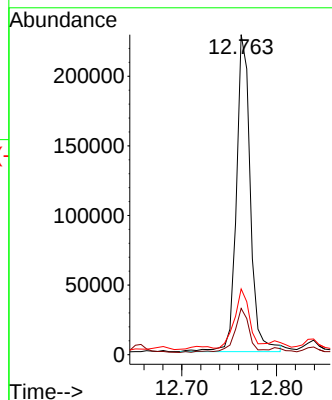
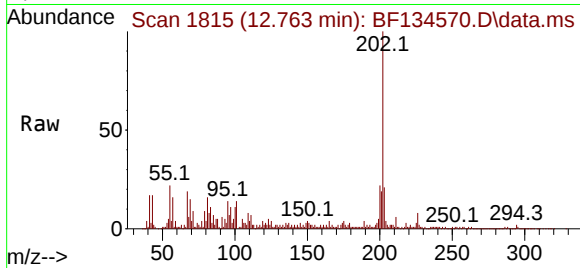




#75
Fluoranthene
Concen: 9.631 ng
RT: 12.763 min Scan# 1815
Delta R.T. 0.235 min
Lab File: BF134570.D
Acq: 02 Aug 2023 09:50

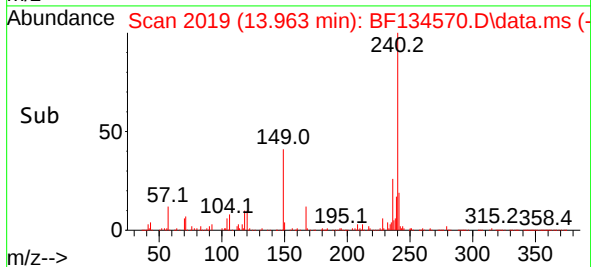
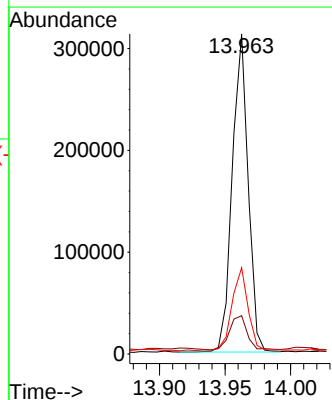
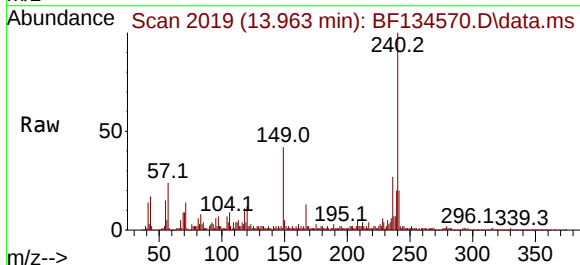
Instrument :
BNA_F
ClientSampleId :
HR-01-072823

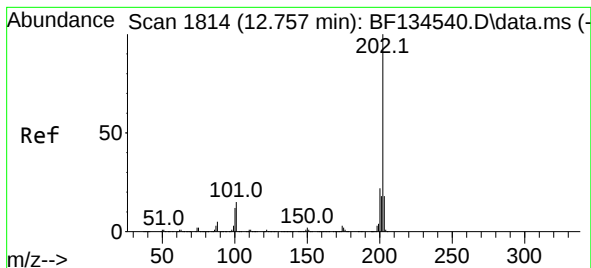
Tgt Ion:202 Resp: 232614
Ion Ratio Lower Upper
202 100
101 14.5 0.0 28.5
203 20.5 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF134570.D
Acq: 02 Aug 2023 09:50

Tgt Ion:240 Resp: 263856
Ion Ratio Lower Upper
240 100
120 12.0 6.6 10.0#
236 26.9 20.2 30.2





#78

Pyrene

Concen: 10.285 ng

RT: 12.763 min Scan# 1815

Delta R.T. 0.006 min

Lab File: BF134570.D

Acq: 02 Aug 2023 09:50

Instrument :

BNA_F

ClientSampleId :

HR-01-072823

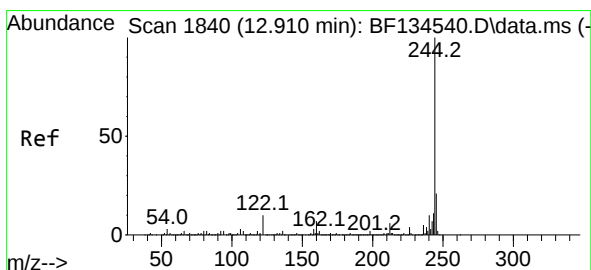
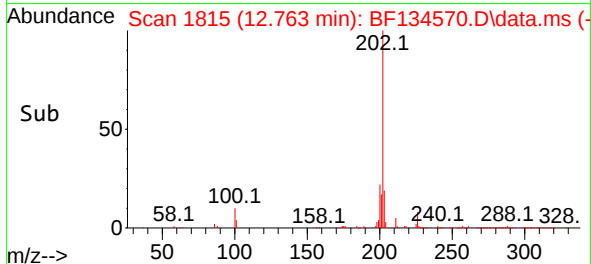
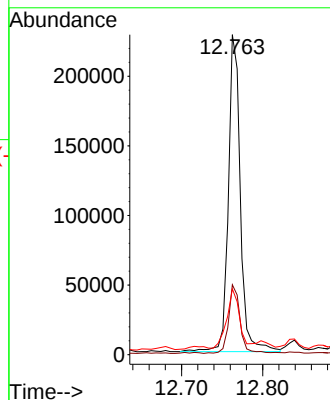
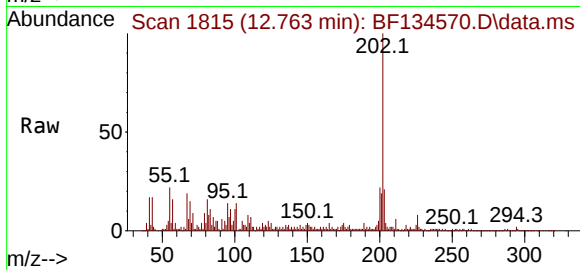
Tgt Ion:202 Resp: 234819

Ion Ratio Lower Upper

202 100

200 21.8 15.8 23.8

203 20.5 13.5 20.3#



#79

Terphenyl-d14

Concen: 60.988 ng

RT: 12.916 min Scan# 1841

Delta R.T. 0.006 min

Lab File: BF134570.D

Acq: 02 Aug 2023 09:50

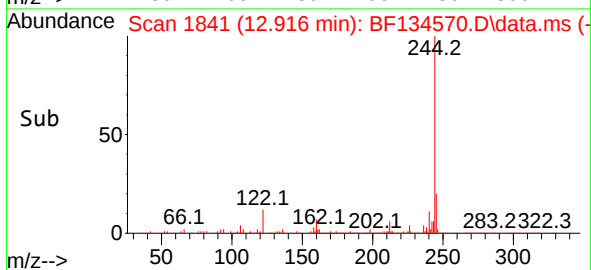
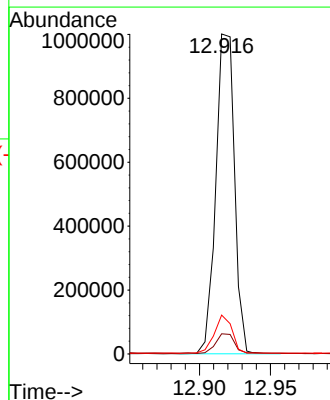
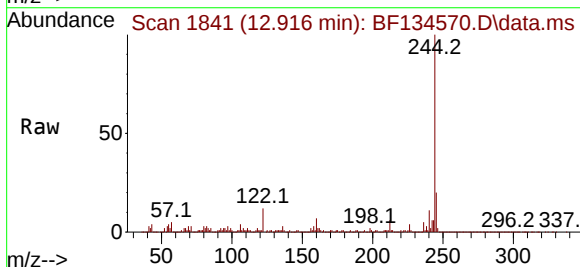
Tgt Ion:244 Resp: 912835

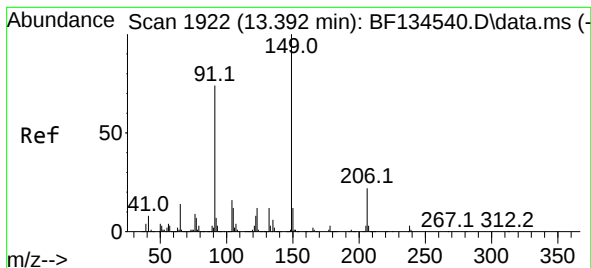
Ion Ratio Lower Upper

244 100

212 6.3 5.6 8.4

122 12.1 8.0 12.0#





#80

Butylbenzylphthalate

Concen: 3.729 ng

RT: 13.392 min Scan# 1922

Delta R.T. 0.000 min

Lab File: BF134570.D

Acq: 02 Aug 2023 09:50

Instrument :

BNA_F

ClientSampleId :

HR-01-072823

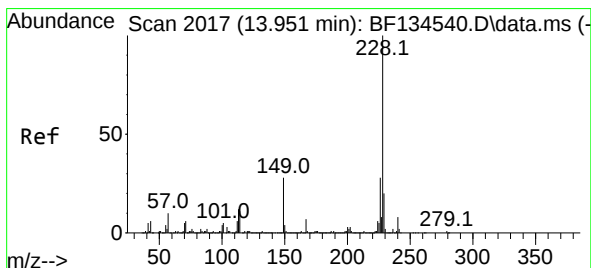
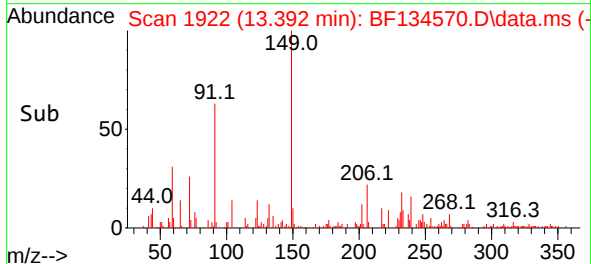
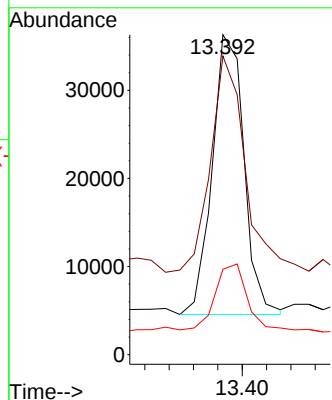
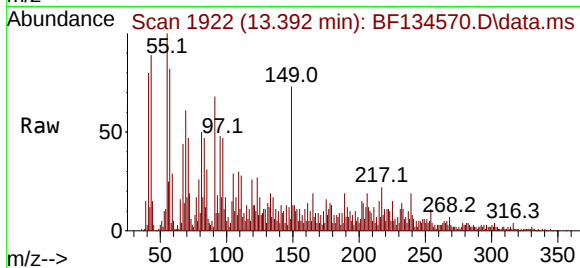
Tgt Ion:149 Resp: 28792

Ion Ratio Lower Upper

149 100

91 93.3 55.8 83.6#

206 26.7 14.6 21.8#



#81

Benzo(a)anthracene

Concen: 4.271 ng

RT: 13.951 min Scan# 1717

Delta R.T. 0.000 min

Lab File: BF134570.D

Acq: 02 Aug 2023 09:50

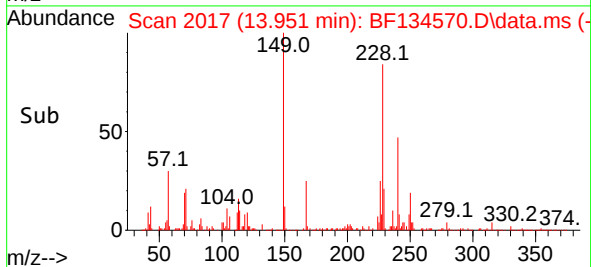
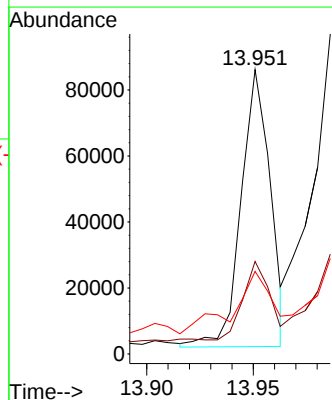
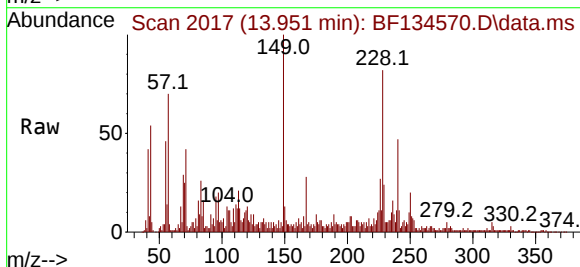
Tgt Ion:228 Resp: 80574

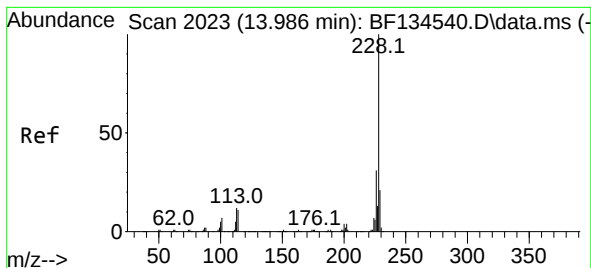
Ion Ratio Lower Upper

228 100

226 32.5 22.3 33.5

229 29.1 15.8 23.6#





#83

Chrysene

Concen: 5.157 ng

RT: 13.986 min Scan# 2023

Delta R.T. 0.000 min

Lab File: BF134570.D

Acq: 02 Aug 2023 09:50

Instrument :

BNA_F

ClientSampleId :

HR-01-072823

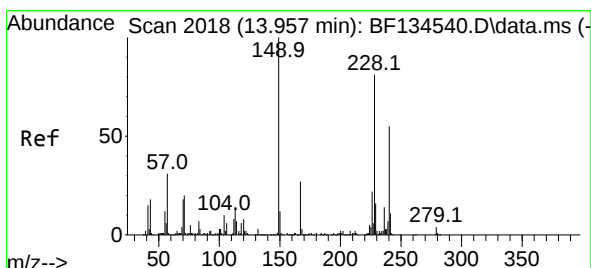
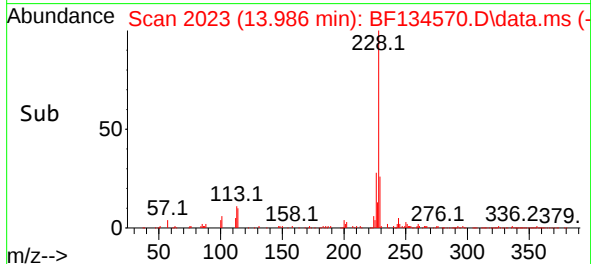
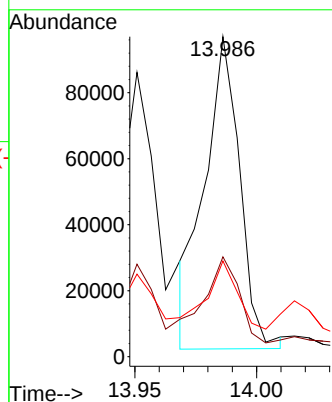
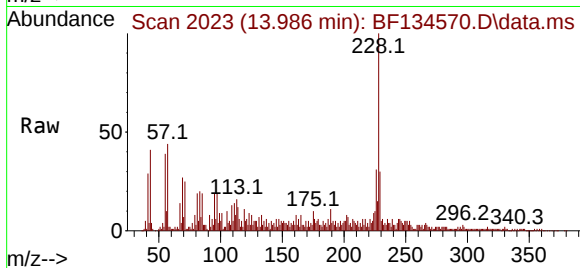
Tgt Ion:228 Resp: 94798

Ion Ratio Lower Upper

228 100

226 31.2 24.5 36.7

229 29.9 15.8 23.8#



#84

Bis(2-ethylhexyl)phthalate

Concen: 19.496 ng

RT: 13.957 min Scan# 2018

Delta R.T. 0.000 min

Lab File: BF134570.D

Acq: 02 Aug 2023 09:50

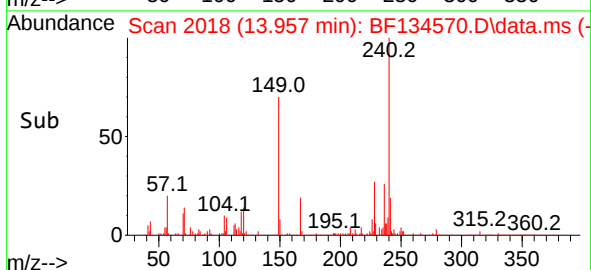
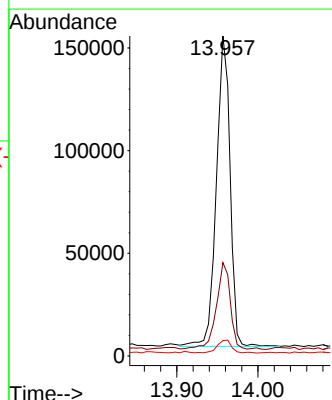
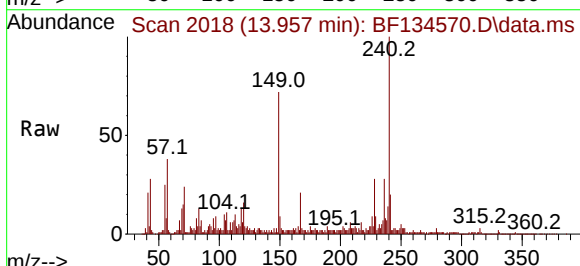
Tgt Ion:149 Resp: 177133

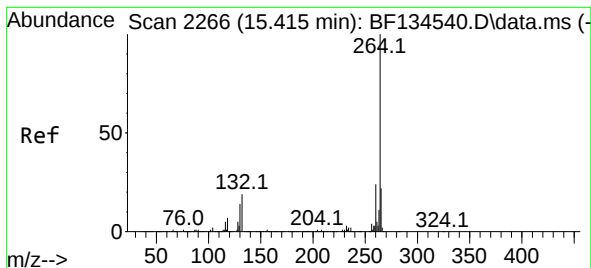
Ion Ratio Lower Upper

149 100

167 29.2 21.6 32.4

279 4.8 3.5 5.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.427 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF134570.D

Acq: 02 Aug 2023 09:50

Instrument :

BNA_F

ClientSampleId :

HR-01-072823

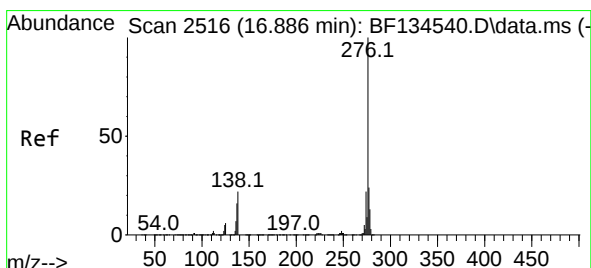
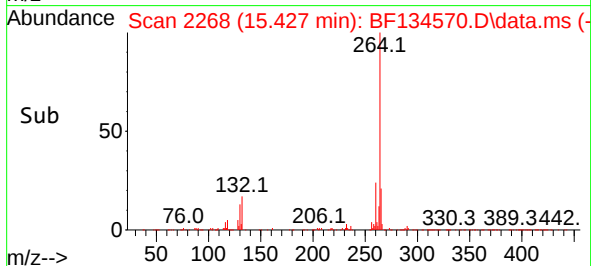
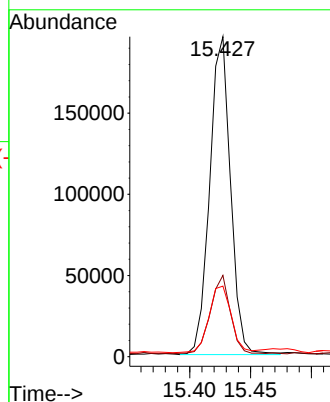
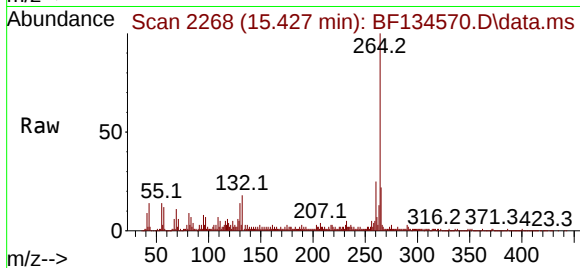
Tgt Ion:264 Resp: 233009

Ion Ratio Lower Upper

264 100

260 25.4 18.4 27.6

265 22.1 15.8 23.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.431 ng

RT: 16.898 min Scan# 2518

Delta R.T. 0.012 min

Lab File: BF134570.D

Acq: 02 Aug 2023 09:50

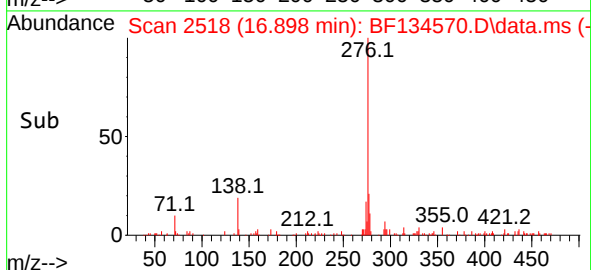
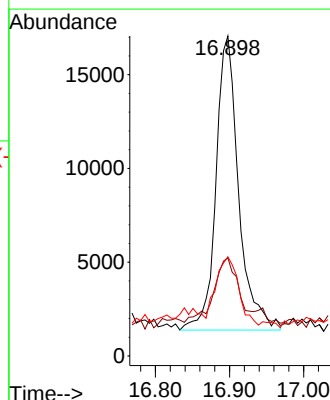
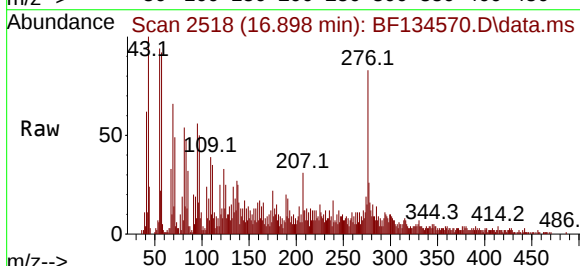
Tgt Ion:276 Resp: 33312

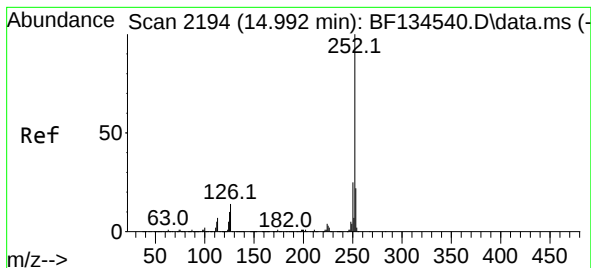
Ion Ratio Lower Upper

276 100

138 23.8 14.2 21.4#

277 23.1 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 7.793 ng

RT: 14.998 min Scan# 2195

Delta R.T. 0.006 min

Lab File: BF134570.D

Acq: 02 Aug 2023 09:50

Instrument :

BNA_F

ClientSampleId :

HR-01-072823

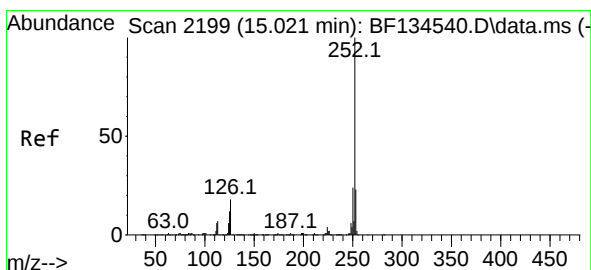
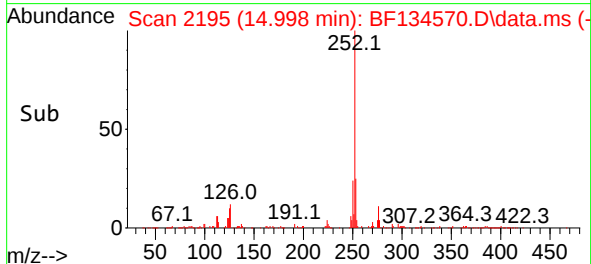
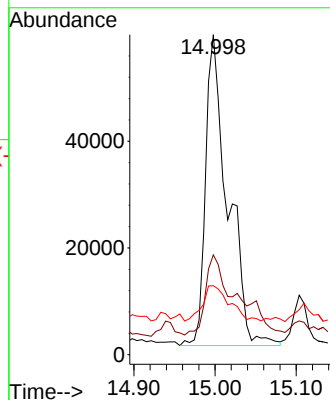
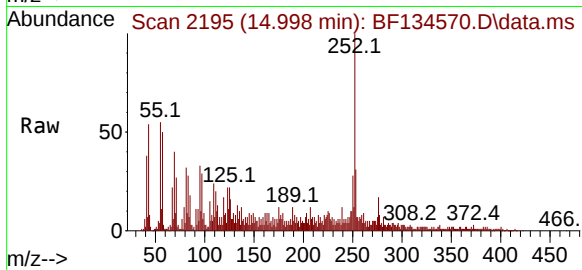
Tgt Ion:252 Resp: 110752

Ion Ratio Lower Upper

252 100

253 31.2 17.3 25.9#

125 21.5 6.0 9.0#



#89

Benzo(k)fluoranthene

Concen: 7.823 ng

RT: 14.998 min Scan# 2195

Delta R.T. -0.023 min

Lab File: BF134570.D

Acq: 02 Aug 2023 09:50

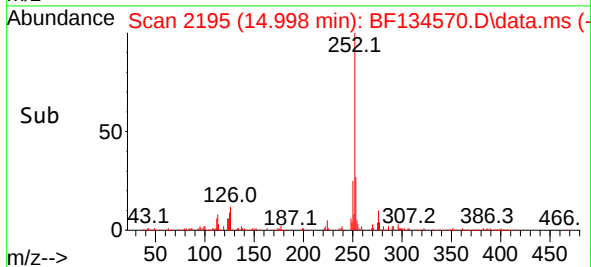
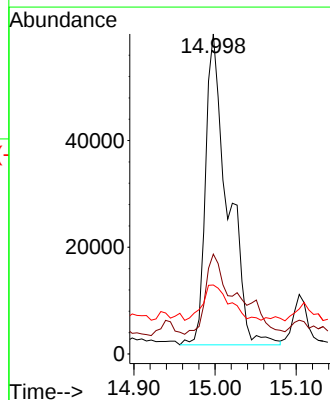
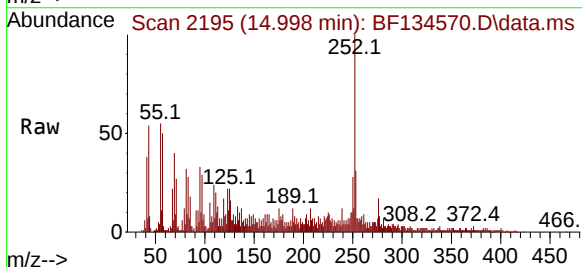
Tgt Ion:252 Resp: 110752

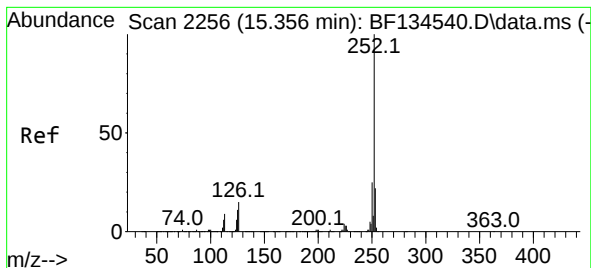
Ion Ratio Lower Upper

252 100

253 31.2 17.9 26.9#

125 21.5 6.3 9.5#





#90

Benzo(a)pyrene

Concen: 4.258 ng

RT: 15.357 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF134570.D

Acq: 02 Aug 2023 09:50

Instrument :

BNA_F

ClientSampleId :

HR-01-072823

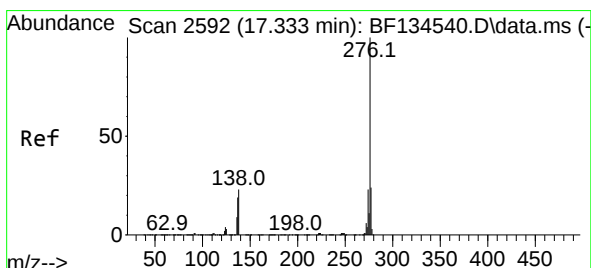
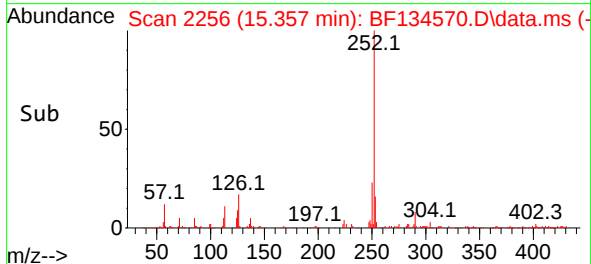
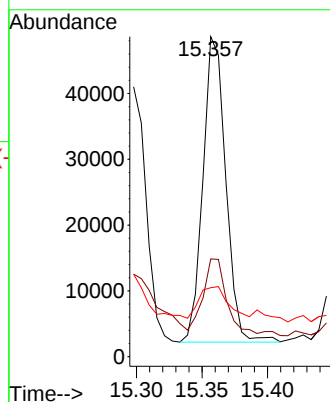
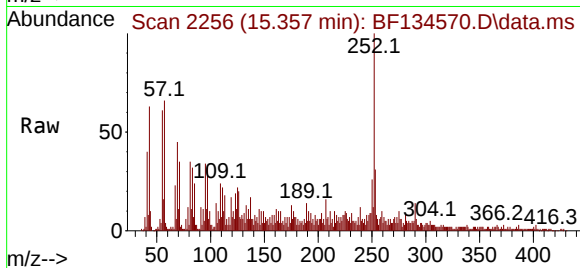
Tgt Ion:252 Resp: 56421

Ion Ratio Lower Upper

252 100

253 30.5 17.0 25.4#

125 21.6 6.2 9.4#



#92

Benzo(g,h,i)perylene

Concen: 3.031 ng

RT: 17.339 min Scan# 2593

Delta R.T. 0.006 min

Lab File: BF134570.D

Acq: 02 Aug 2023 09:50

Tgt Ion:276 Resp: 34237

Ion Ratio Lower Upper

276 100

277 30.8 19.0 28.6#

138 30.3 12.2 18.2#

