

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080923\
 Data File : BF134695.D
 Acq On : 09 Aug 2023 17:56
 Operator : CG\JU
 Sample : 03943-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-PP21A

Quant Time: Aug 10 01:41:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

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

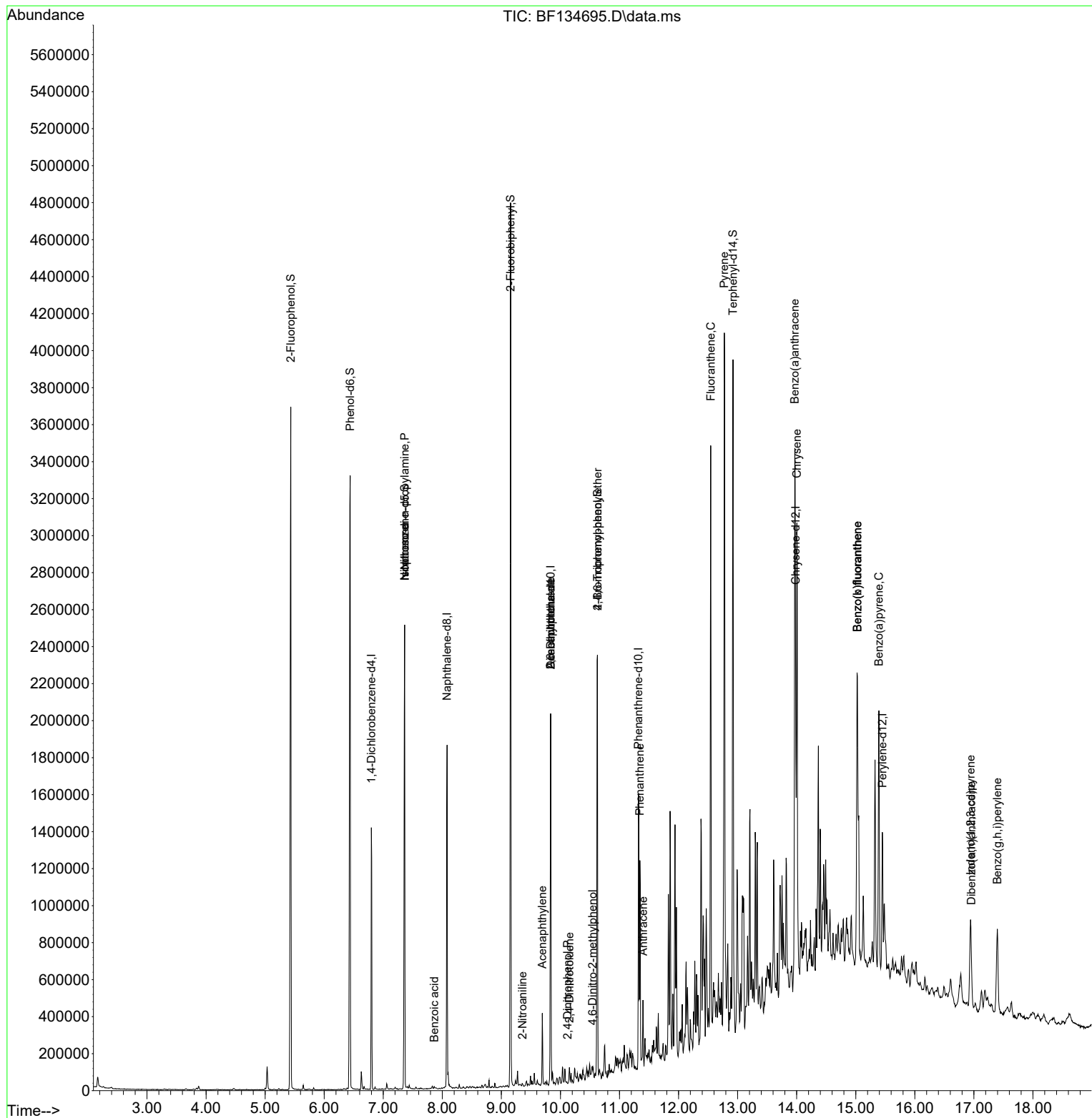
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	201158	20.000	ng	0.00
21) Naphthalene-d8	8.080	136	765634	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	367862	20.000	ng	0.00
64) Phenanthrene-d10	11.321	188	558542	20.000	ng	# 0.00
76) Chrysene-d12	13.980	240	401327	20.000	ng	# 0.00
86) Perylene-d12	15.451	264	334650	20.000	ng	# 0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	998530	75.456	ng	0.00
7) Phenol-d6	6.439	99	1263189	74.674	ng	0.00
23) Nitrobenzene-d5	7.363	82	769304	62.792	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	300062	80.016	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1373665	62.088	ng	0.00
79) Terphenyl-d14	12.921	244	1196469	52.556	ng	0.00
Target Compounds						
9) Benzaldehyde	6.351	77	1197	Below Cal		Qvalue # 82
19) n-Nitroso-di-n-propyla...	7.363	70	102410	10.111	ng	# 71
25) Isophorone	7.363	82	762256	28.525	ng	# 65
32) Benzoic acid	7.863	122	516	7.923	ng	# 34
48) 2-Nitroaniline	9.357	65	275	3.205	ng	# 29
49) Acenaphthylene	9.692	152	140602	4.173	ng	# 99
50) Dimethylphthalate	9.833	163	78270	3.122	ng	# 1
51) 2,6-Dinitrotoluene	9.833	165	48814	11.504	ng	# 17
54) 2,4-Dinitrophenol	10.122	184	228	6.930	ng	# 13
57) 2,4-Dinitrotoluene	10.151	165	2549	3.237	ng	# 59
65) 4,6-Dinitro-2-methylph...	10.545	198	162	8.758	ng	# 1
67) 4-Bromophenyl-phenylether	10.627	248	18942	3.098	ng	# 1
71) Phenanthrene	11.345	178	415701	14.012	ng	# 99
72) Anthracene	11.398	178	122801	4.052	ng	# 99
75) Fluoranthene	12.545	202	1191511	38.021	ng	# 96
78) Pyrene	12.774	202	1745405	50.260	ng	# 96
81) Benzo(a)anthracene	13.968	228	1108239	38.619	ng	# 95
83) Chrysene	14.004	228	1058648	37.865	ng	# 98
87) Indeno(1,2,3-cd)pyrene	16.945	276	337367	17.141	ng	# 94
88) Benzo(b)fluoranthene	15.027	252	1226371	60.087	ng	# 96
89) Benzo(k)fluoranthene	15.027	252	1226371	60.318	ng	# 97
90) Benzo(a)pyrene	15.392	252	708592	37.236	ng	# 94
91) Dibenzo(a,h)anthracene	16.956	278	90786	5.708	ng	# 93
92) Benzo(g,h,i)perylene	17.398	276	375887	23.167	ng	# 93

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

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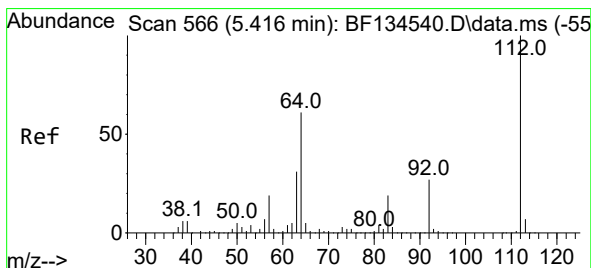
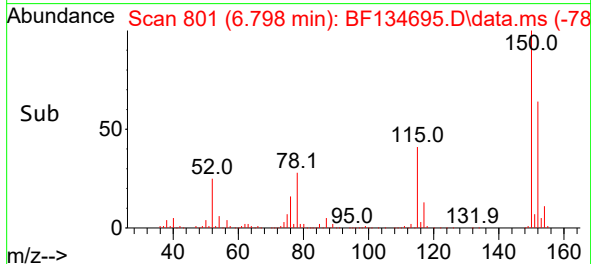
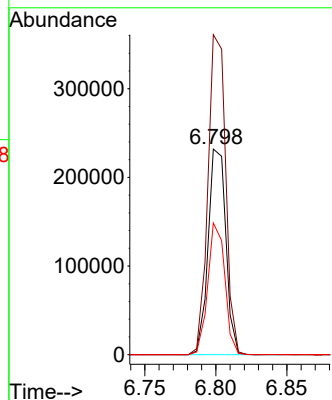
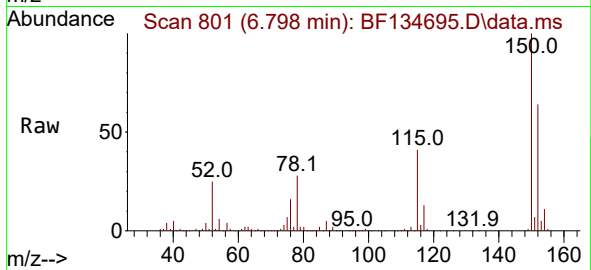




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF134695.D
Acq: 09 Aug 2023 17:56

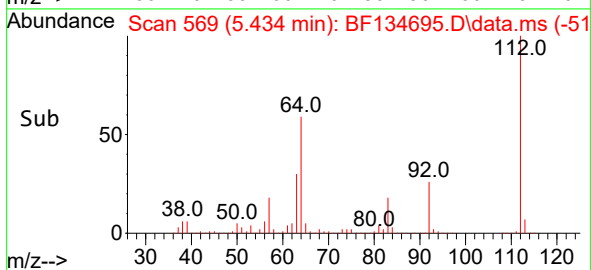
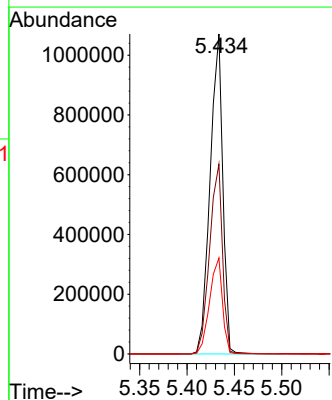
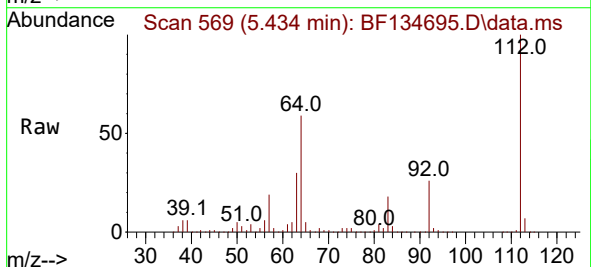
Instrument :
BNA_F
ClientSampleId :
B-PP21A

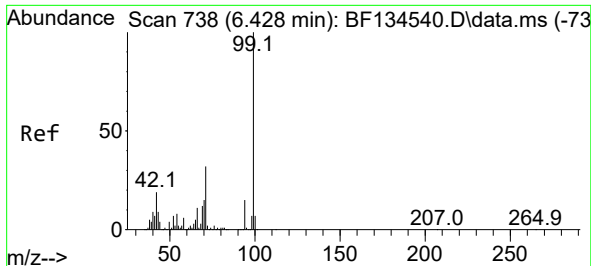
Tgt Ion:152 Resp: 201158
Ion Ratio Lower Upper
152 100
150 155.7 128.3 192.5
115 64.0 52.4 78.6



#5
2-Fluorophenol
Concen: 75.456 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF134695.D
Acq: 09 Aug 2023 17:56

Tgt Ion:112 Resp: 998530
Ion Ratio Lower Upper
112 100
64 59.3 44.9 67.3
63 30.0 25.4 38.0

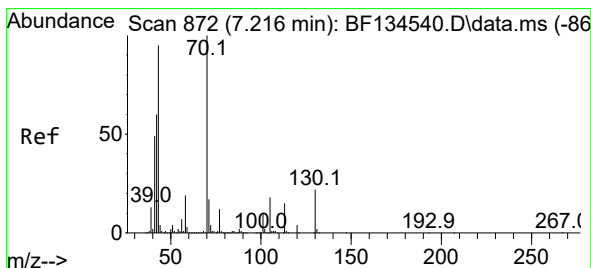
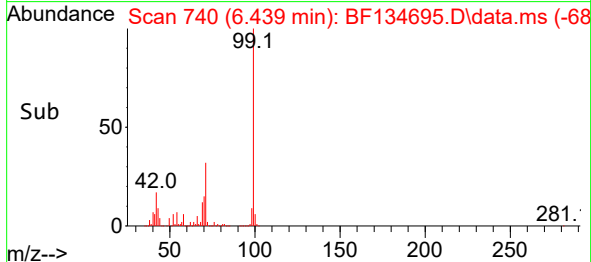
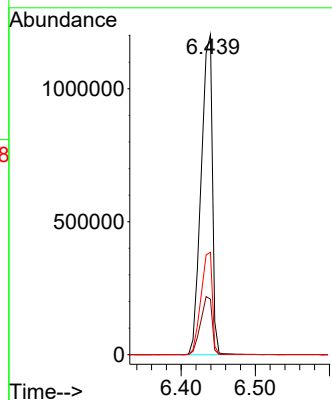
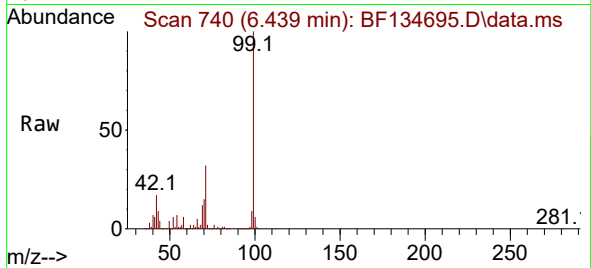




#7
Phenol-d6
Concen: 74.674 ng
RT: 6.439 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF134695.D
Acq: 09 Aug 2023 17:56

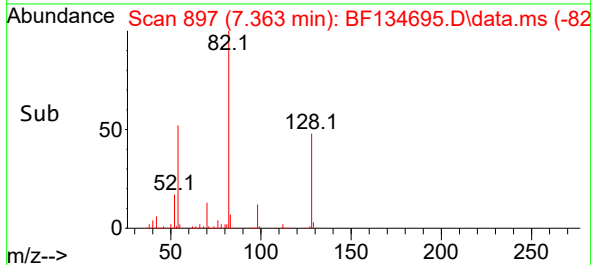
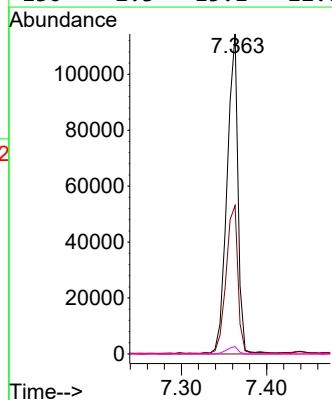
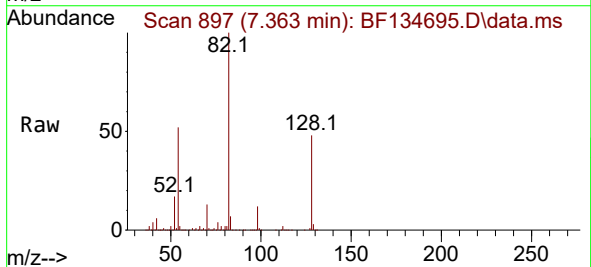
Instrument :
BNA_F
ClientSampleId :
B-PP21A

Tgt Ion: 99 Resp: 1263189
Ion Ratio Lower Upper
99 100
42 17.3 18.7 28.1#
71 32.0 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 10.111 ng
RT: 7.363 min Scan# 897
Delta R.T. 0.141 min
Lab File: BF134695.D
Acq: 09 Aug 2023 17:56

Tgt Ion: 70 Resp: 102410
Ion Ratio Lower Upper
70 100
42 46.3 54.7 82.1#
101 0.0 8.2 12.2#
130 2.3 15.1 22.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.080 min Scan# 1018

Delta R.T. -0.000 min

Lab File: BF134695.D

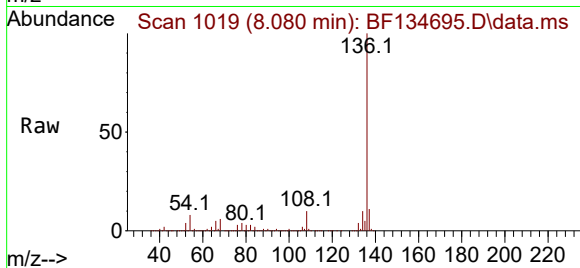
Acq: 09 Aug 2023 17:56

Instrument :

BNA_F

ClientSampleId :

B-PP21A



Tgt Ion:136 Resp: 765634

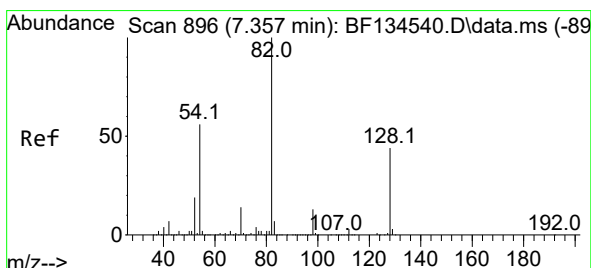
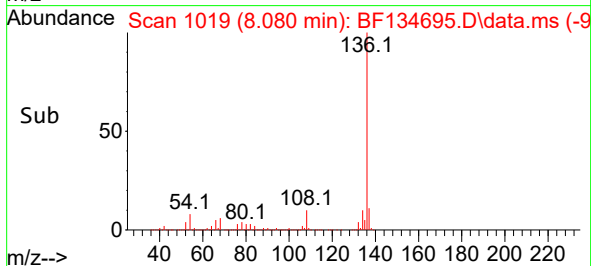
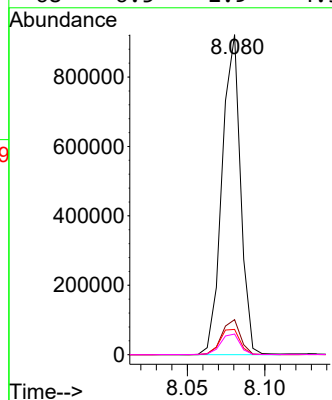
Ion Ratio Lower Upper

136 100

137 11.0 8.4 12.6

54 7.9 5.2 7.8#

68 6.5 2.9 4.3#



#23

Nitrobenzene-d5

Concen: 62.792 ng

RT: 7.363 min Scan# 897

Delta R.T. -0.006 min

Lab File: BF134695.D

Acq: 09 Aug 2023 17:56

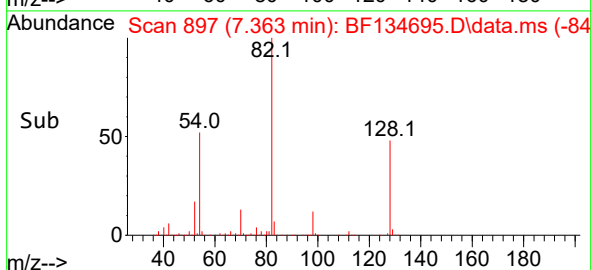
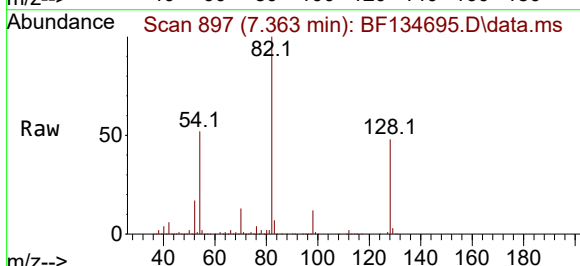
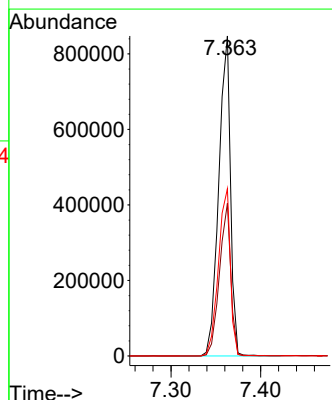
Tgt Ion: 82 Resp: 769304

Ion Ratio Lower Upper

82 100

128 47.7 34.3 51.5

54 52.3 43.8 65.6

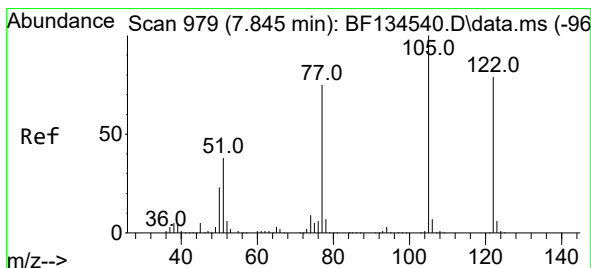
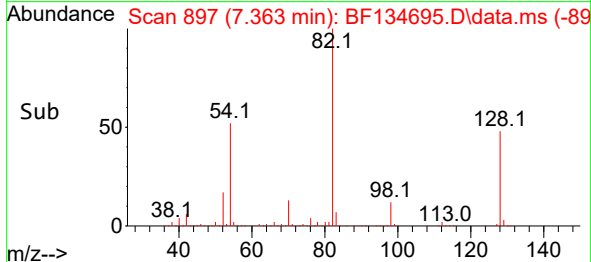
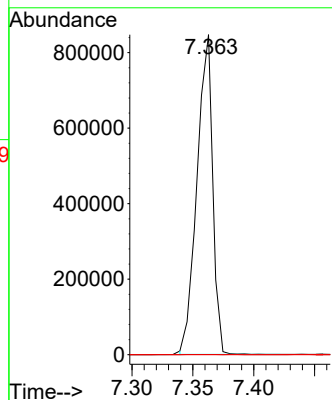
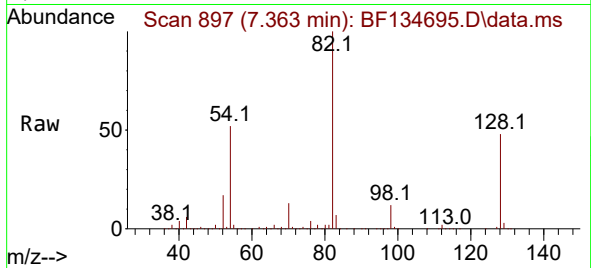




#25
Isophorone
Concen: 28.525 ng
RT: 7.363 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF134695.D
Acq: 09 Aug 2023 17:56

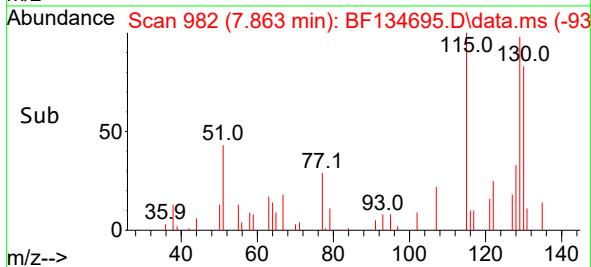
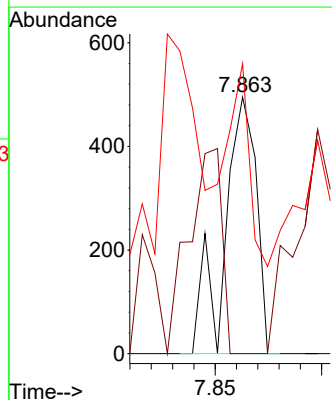
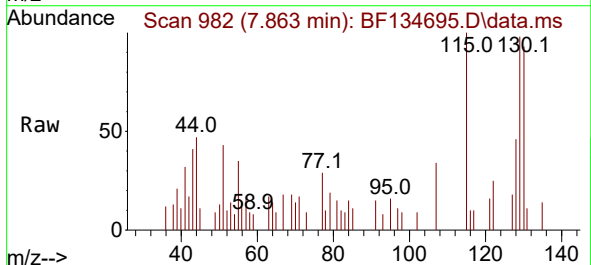
Instrument :
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B-PP21A

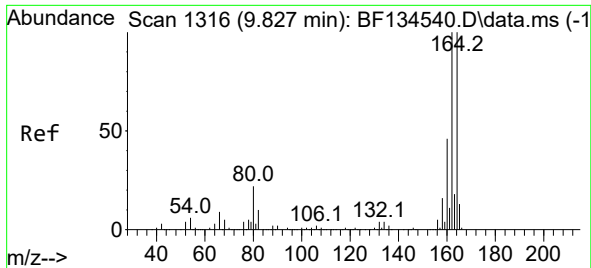
Tgt Ion: 82 Resp: 762256
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.923 ng
RT: 7.863 min Scan# 982
Delta R.T. -0.000 min
Lab File: BF134695.D
Acq: 09 Aug 2023 17:56

Tgt Ion:122 Resp: 516
Ion Ratio Lower Upper
122 100
105 0.0 87.5 127.5#
77 113.1 71.4 111.4#

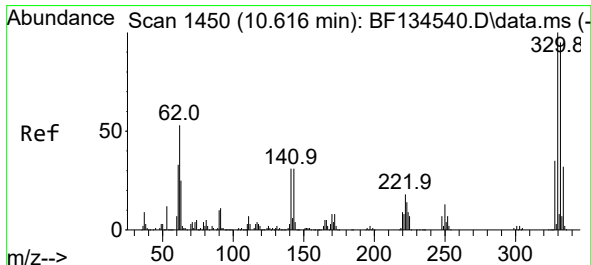
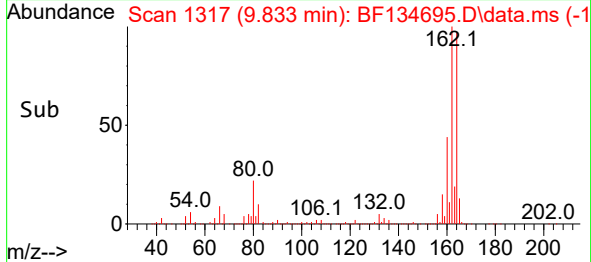
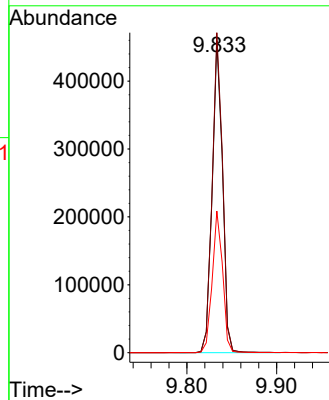
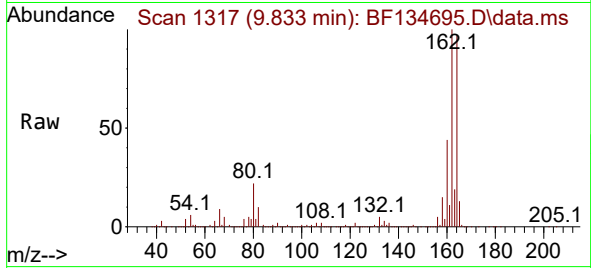




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF134695.D
Acq: 09 Aug 2023 17:56

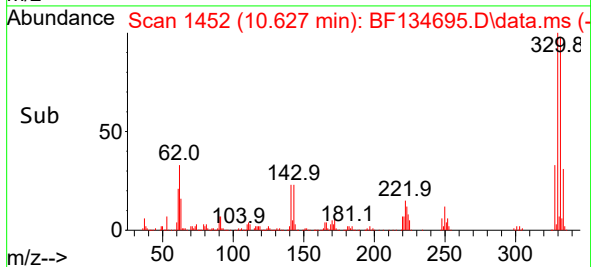
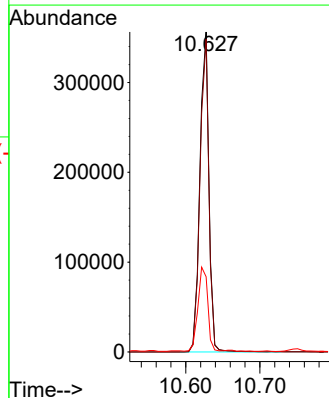
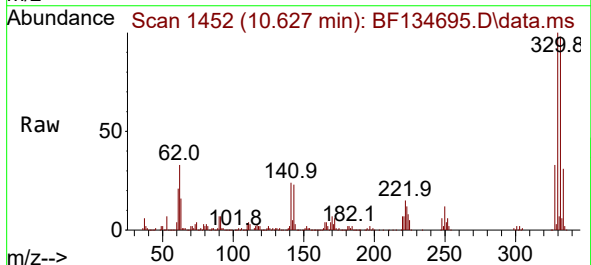
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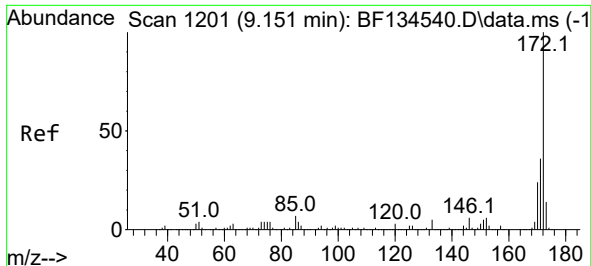
Tgt Ion:164 Resp: 367862
Ion Ratio Lower Upper
164 100
162 102.6 82.6 123.8
160 45.4 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 80.016 ng
RT: 10.627 min Scan# 1452
Delta R.T. -0.000 min
Lab File: BF134695.D
Acq: 09 Aug 2023 17:56

Tgt Ion:330 Resp: 300062
Ion Ratio Lower Upper
330 100
332 96.2 78.8 118.2
141 28.3 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 62.088 ng

RT: 9.157 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134695.D

Acq: 09 Aug 2023 17:56

Instrument :

BNA_F

ClientSampleId :

B-PP21A

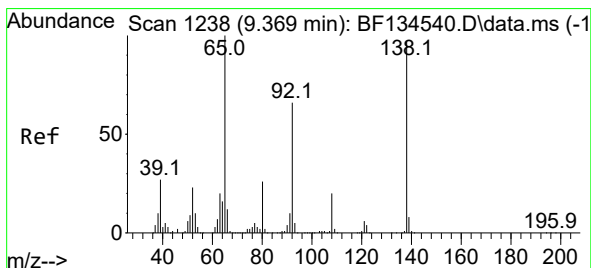
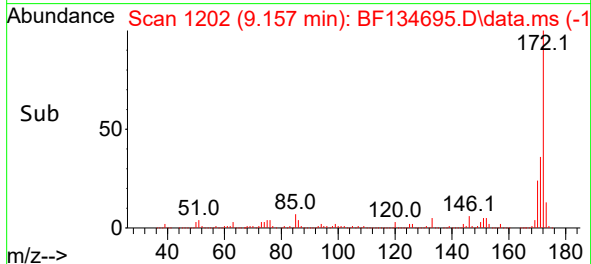
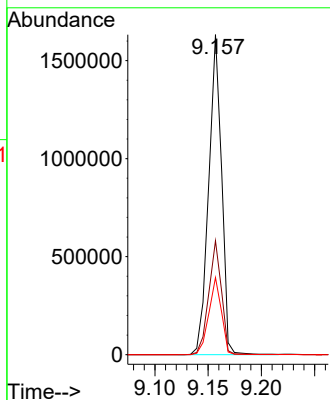
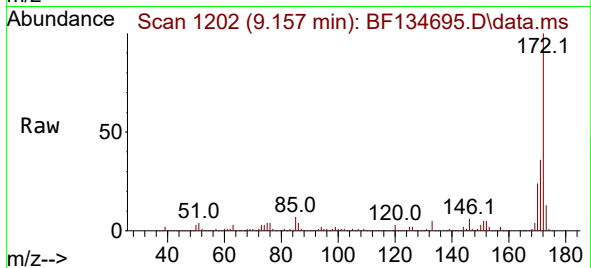
Tgt Ion:172 Resp: 1373665

Ion Ratio Lower Upper

172 100

171 35.6 28.8 43.2

170 24.1 18.7 28.1



#48

2-Nitroaniline

Concen: 3.205 ng

RT: 9.357 min Scan# 1236

Delta R.T. -0.024 min

Lab File: BF134695.D

Acq: 09 Aug 2023 17:56

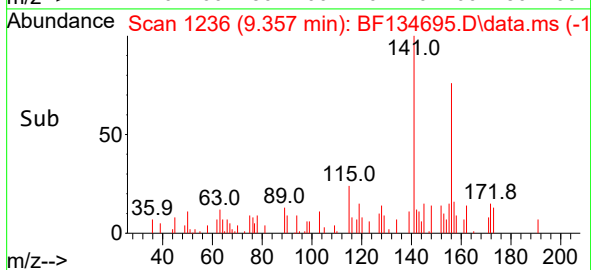
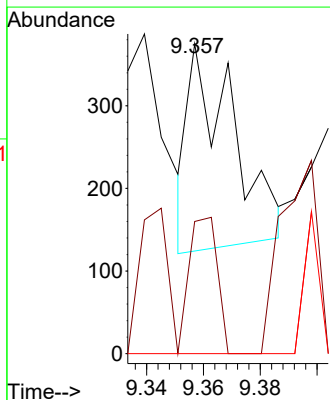
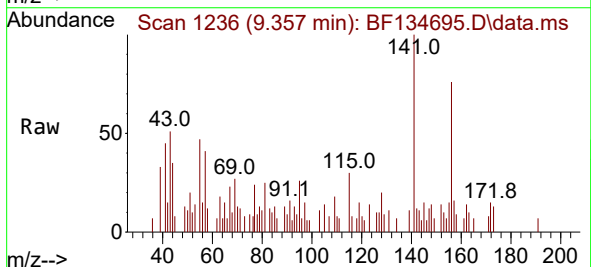
Tgt Ion: 65 Resp: 275

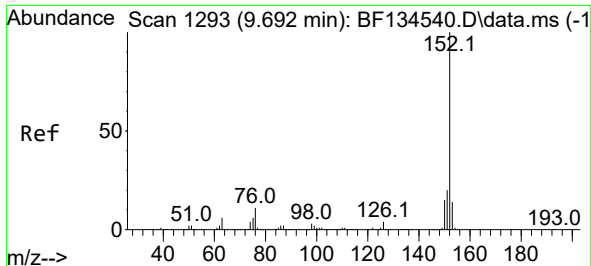
Ion Ratio Lower Upper

65 100

92 42.7 50.7 76.1#

138 0.0 78.2 117.4#

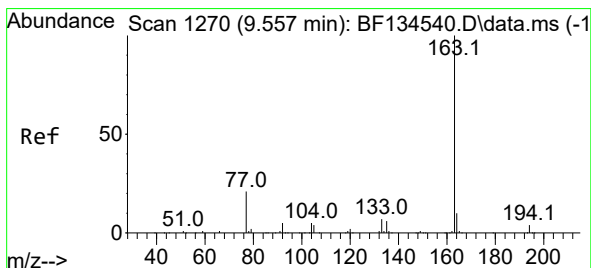
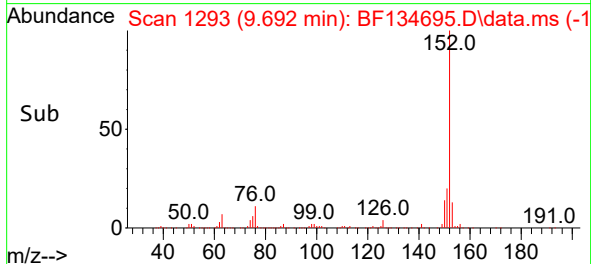
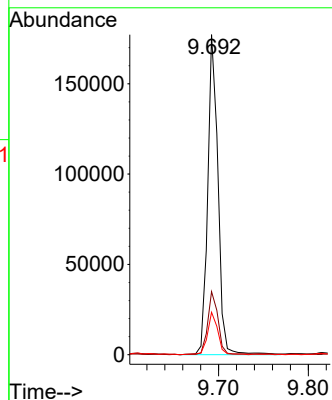
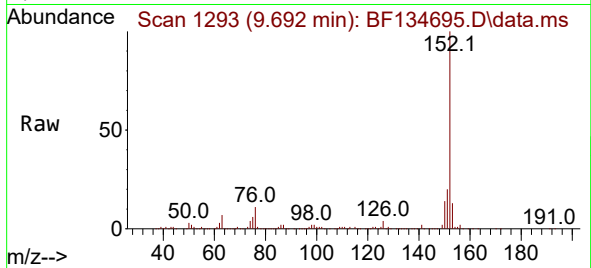




#49
Acenaphthylene
Concen: 4.173 ng
RT: 9.692 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134695.D
Acq: 09 Aug 2023 17:56

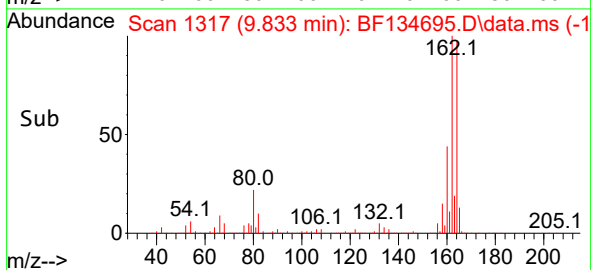
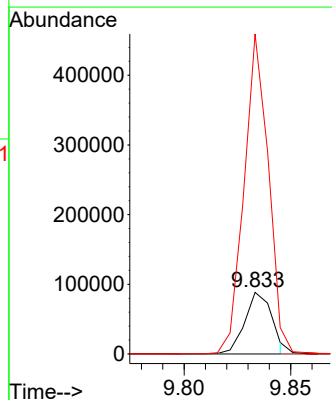
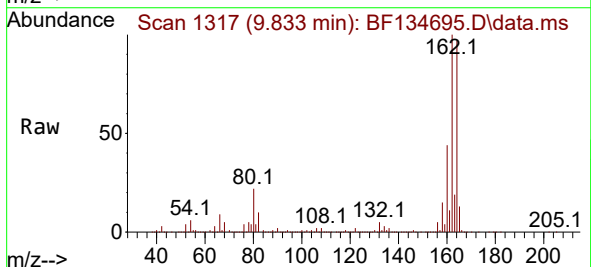
Instrument :
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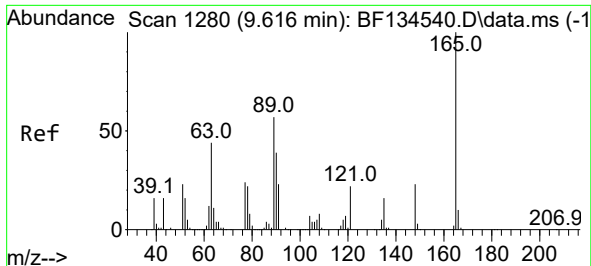
Tgt Ion:152 Resp: 140602
Ion Ratio Lower Upper
152 100
151 19.7 16.4 24.6
153 13.2 10.9 16.3



#50
Dimethylphthalate
Concen: 3.122 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.265 min
Lab File: BF134695.D
Acq: 09 Aug 2023 17:56

Tgt Ion:163 Resp: 78270
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 519.3 7.5 11.3#

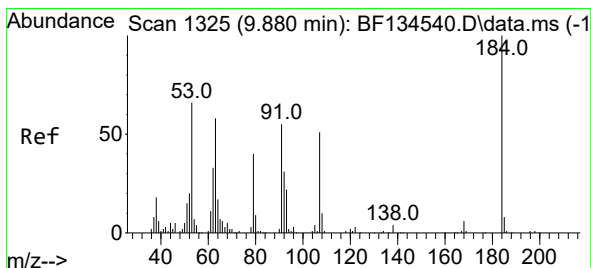
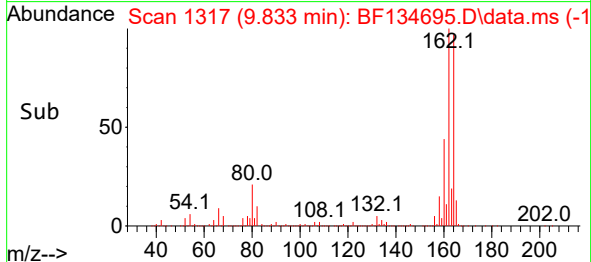
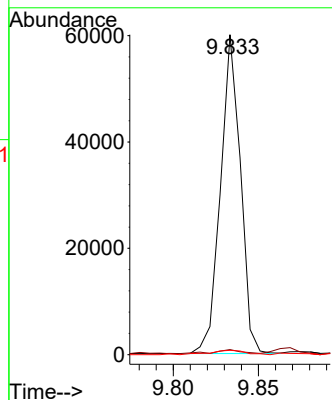
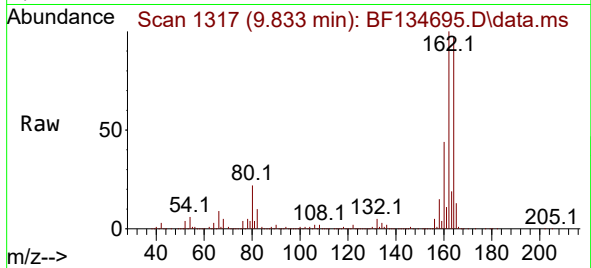




#51
2,6-Dinitrotoluene
Concen: 11.504 ng
RT: 9.833 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF134695.D
Acq: 09 Aug 2023 17:56

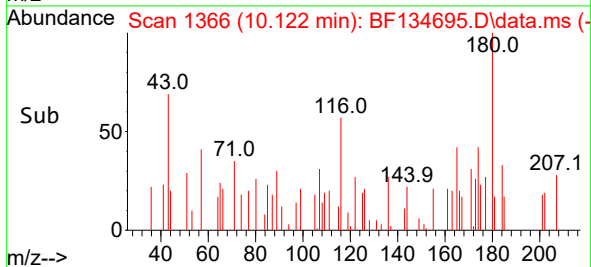
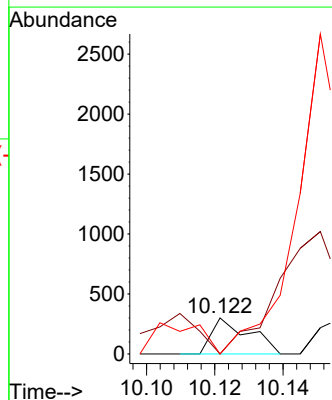
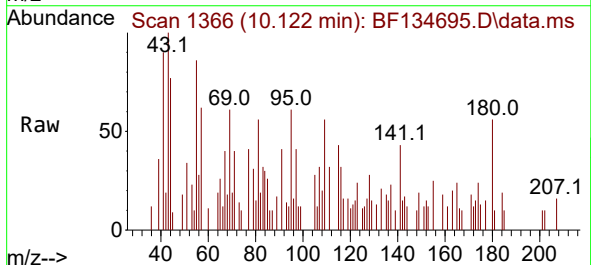
Instrument :
BNA_F
ClientSampleId :
B-PP21A

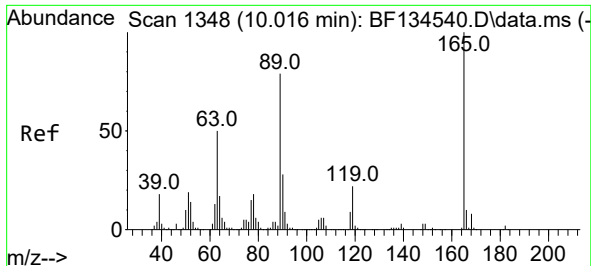
Tgt Ion:165 Resp: 48814
Ion Ratio Lower Upper
165 100
63 1.6 57.8 86.6#
89 1.3 51.8 77.8#



#54
2,4-Dinitrophenol
Concen: 6.930 ng
RT: 10.122 min Scan# 1366
Delta R.T. 0.223 min
Lab File: BF134695.D
Acq: 09 Aug 2023 17:56

Tgt Ion:184 Resp: 228
Ion Ratio Lower Upper
184 100
63 0.0 57.1 85.7#
154 0.0 59.1 88.7#

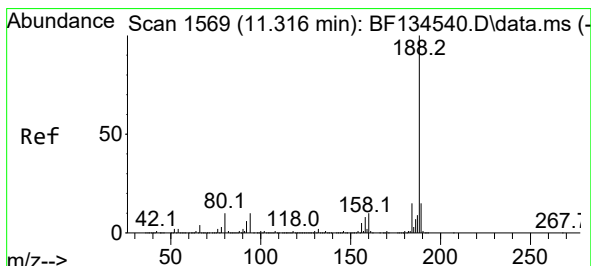
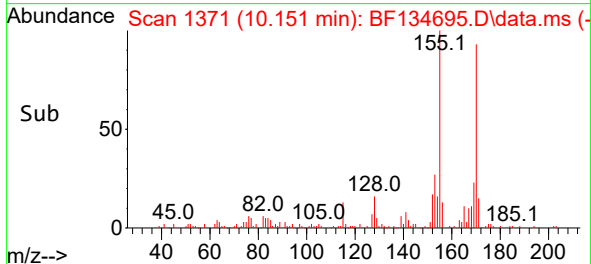
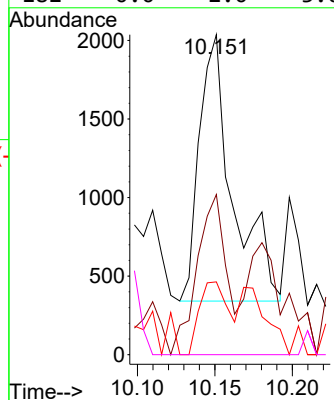
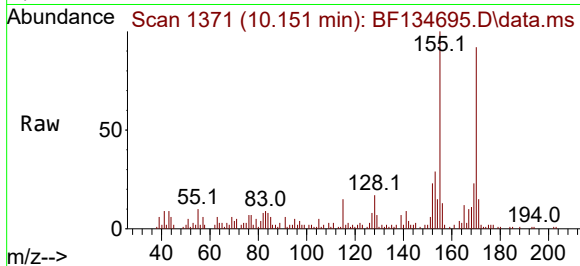




#57
2,4-Dinitrotoluene
Concen: 3.237 ng
RT: 10.151 min Scan# 11
Delta R.T. 0.123 min
Lab File: BF134695.D
Acq: 09 Aug 2023 17:56

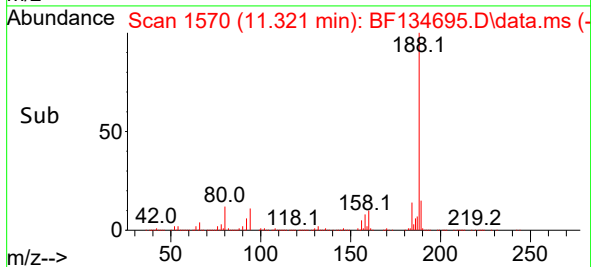
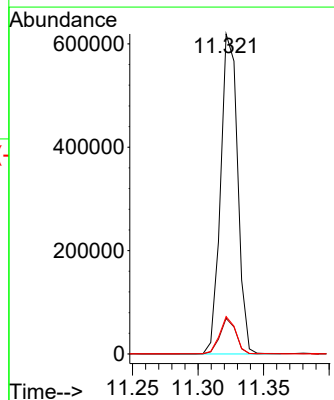
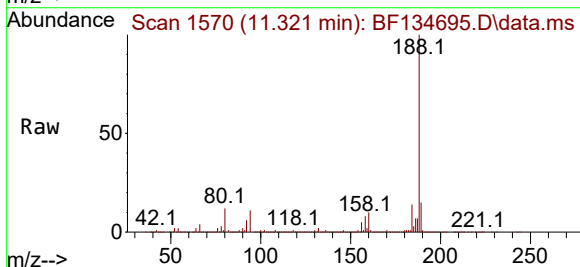
Instrument :
BNA_F
ClientSampleId :
B-PP21A

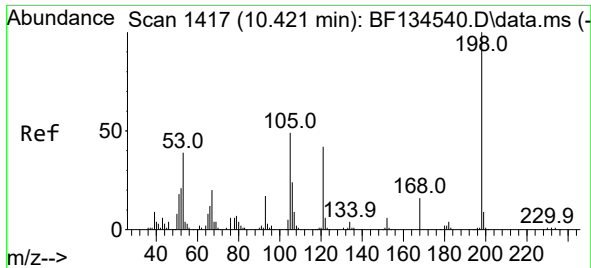
Tgt Ion:165 Resp: 2549
Ion Ratio Lower Upper
165 100
63 50.1 48.9 73.3
89 22.8 61.7 92.5#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.321 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BF134695.D
Acq: 09 Aug 2023 17:56

Tgt Ion:188 Resp: 558542
Ion Ratio Lower Upper
188 100
94 11.1 5.1 7.7#
80 11.7 6.6 9.8#

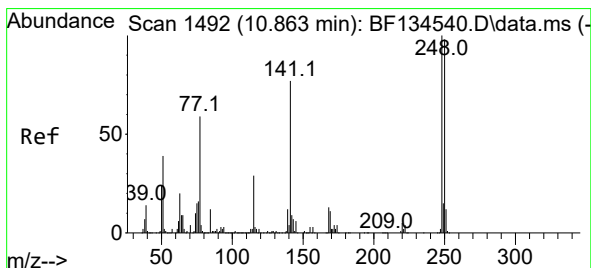
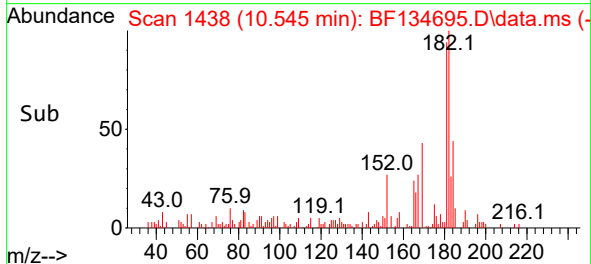
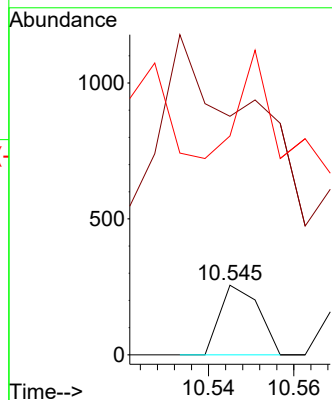
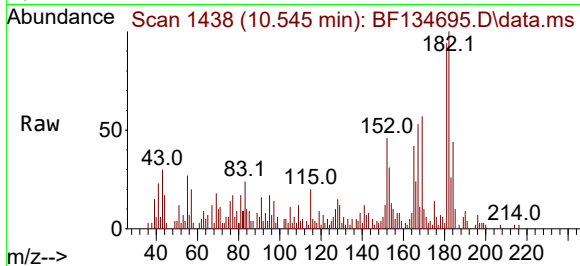




#65
4,6-Dinitro-2-methylphenol
Concen: 8.758 ng
RT: 10.545 min Scan# 1417
Delta R.T. 0.106 min
Lab File: BF134695.D
Acq: 09 Aug 2023 17:56

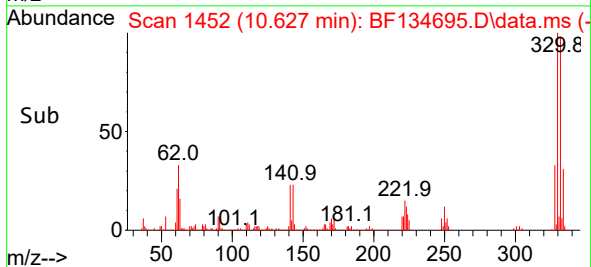
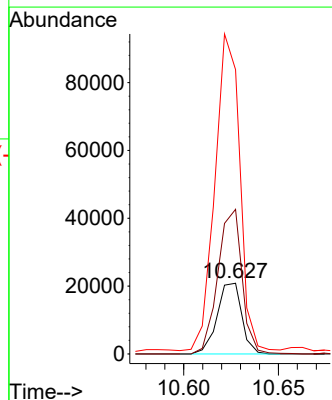
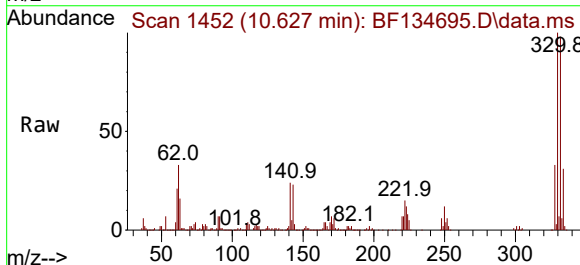
Instrument :
BNA_F
ClientSampleId :
B-PP21A

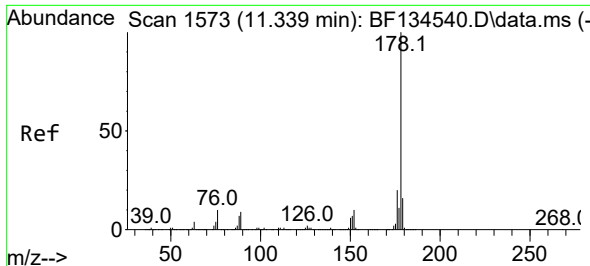
Tgt Ion:198 Resp: 162
Ion Ratio Lower Upper
198 100
51 343.0 38.6 78.6#
105 314.5 27.9 67.9#



#67
4-Bromophenyl-phenylether
Concen: 3.098 ng
RT: 10.627 min Scan# 1452
Delta R.T. -0.241 min
Lab File: BF134695.D
Acq: 09 Aug 2023 17:56

Tgt Ion:248 Resp: 18942
Ion Ratio Lower Upper
248 100
250 204.2 79.6 119.4#
141 401.6 59.6 89.4#

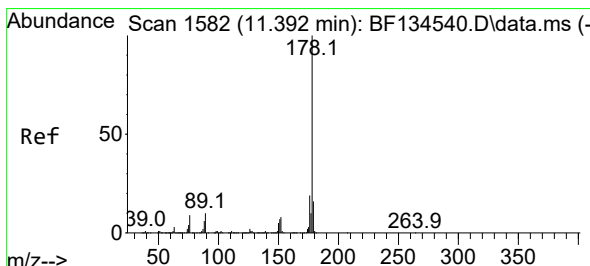
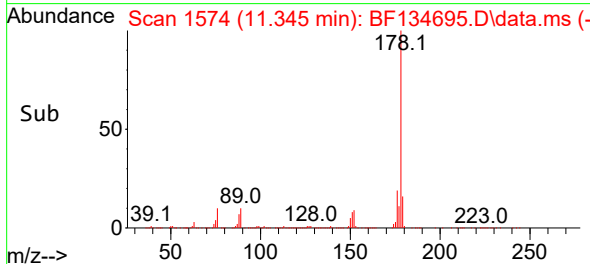
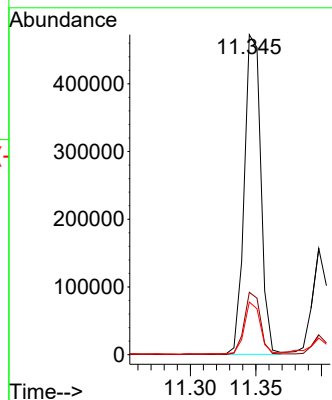
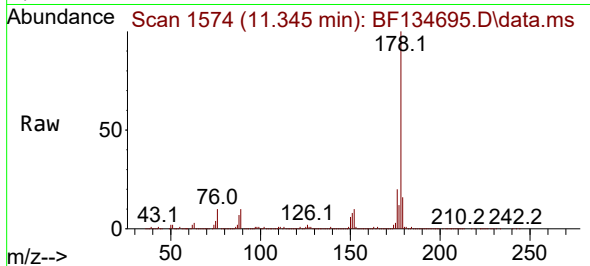




#71
Phenanthrene
Concen: 14.012 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF134695.D
Acq: 09 Aug 2023 17:56

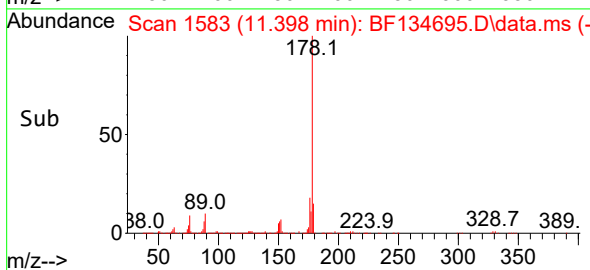
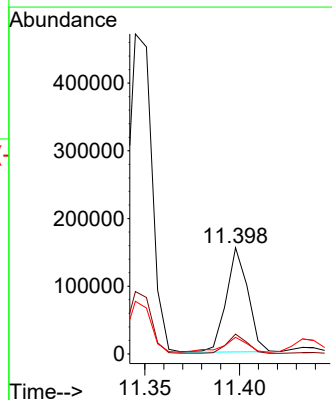
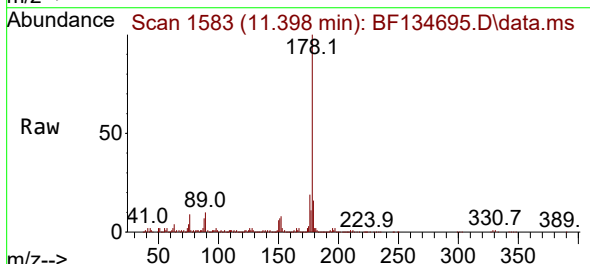
Instrument :
BNA_F
ClientSampleId :
B-PP21A

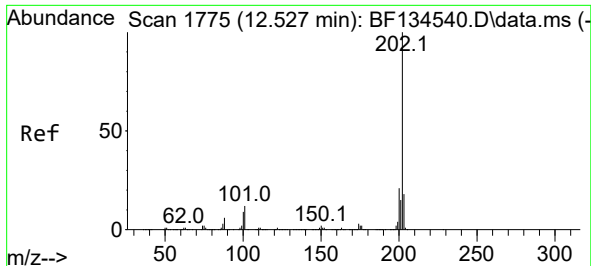
Tgt Ion:178 Resp: 415701
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.6
179 16.5 12.7 19.1



#72
Anthracene
Concen: 4.052 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF134695.D
Acq: 09 Aug 2023 17:56

Tgt Ion:178 Resp: 122801
Ion Ratio Lower Upper
178 100
176 18.6 14.6 21.8
179 15.7 12.3 18.5

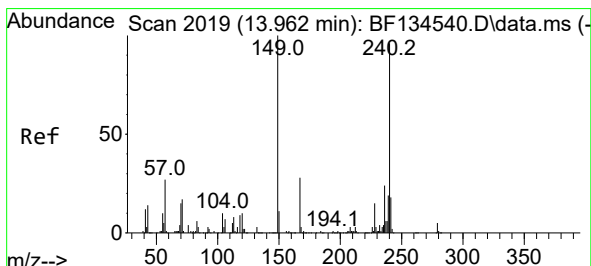
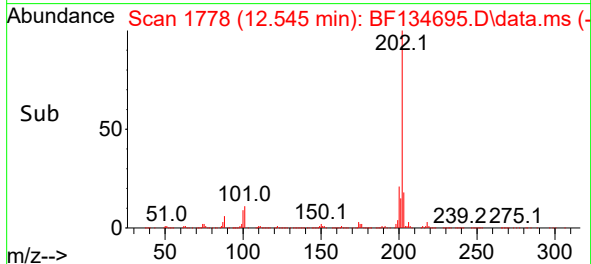
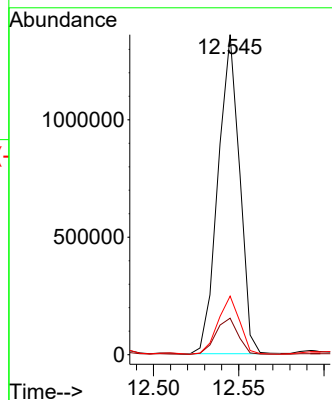
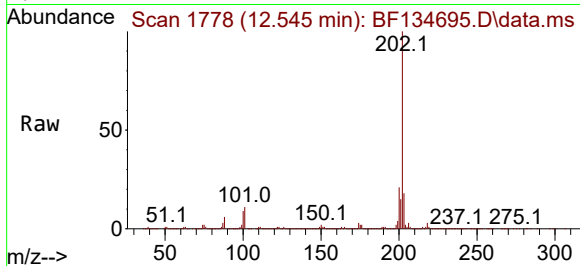




#75
Fluoranthene
Concen: 38.021 ng
RT: 12.545 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF134695.D
Acq: 09 Aug 2023 17:56

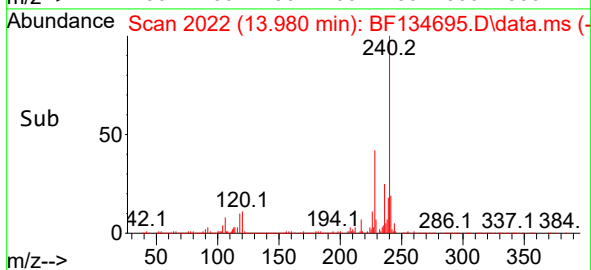
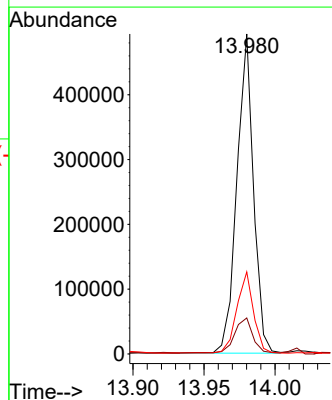
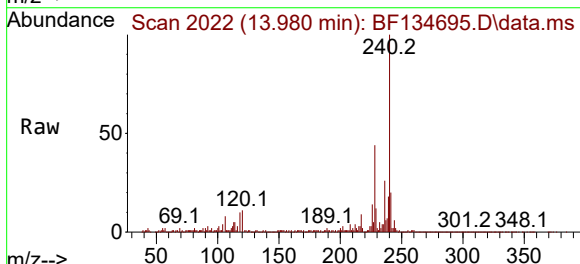
Instrument :
BNA_F
ClientSampleId :
B-PP21A

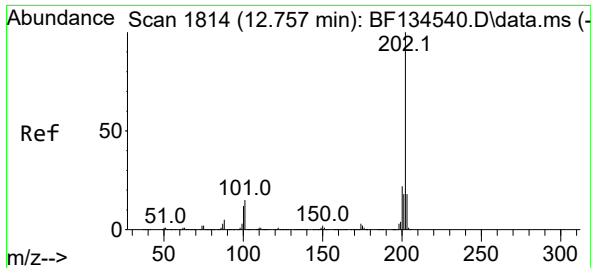
Tgt Ion:202 Resp: 1191511
Ion Ratio Lower Upper
202 100
101 11.4 0.0 28.5
203 18.3 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. 0.006 min
Lab File: BF134695.D
Acq: 09 Aug 2023 17:56

Tgt Ion:240 Resp: 401327
Ion Ratio Lower Upper
240 100
120 11.2 6.6 10.0#
236 25.7 20.2 30.2

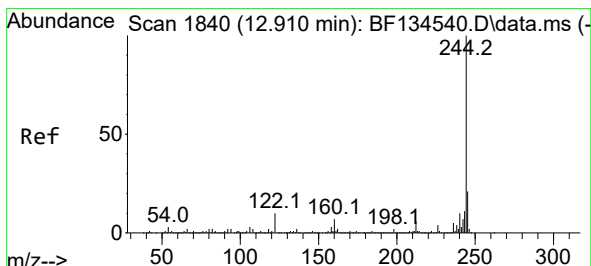
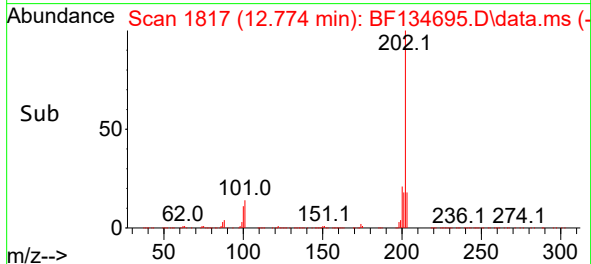
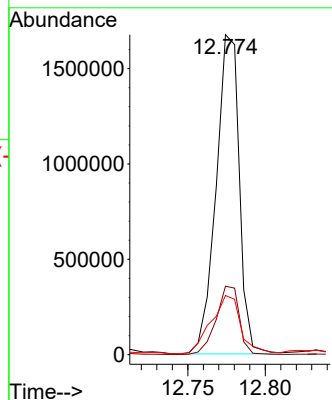
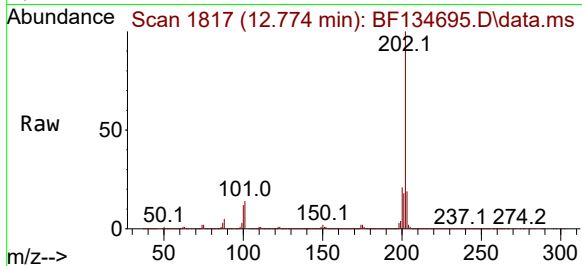




#78
Pyrene
Concen: 50.260 ng
RT: 12.774 min Scan# 1817
Delta R.T. 0.006 min
Lab File: BF134695.D
Acq: 09 Aug 2023 17:56

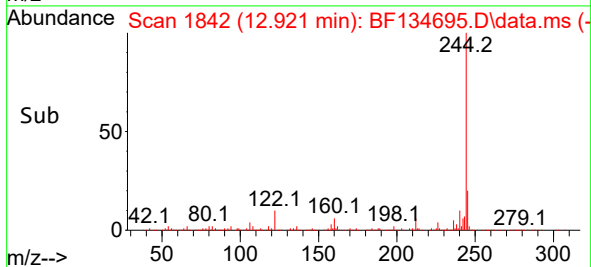
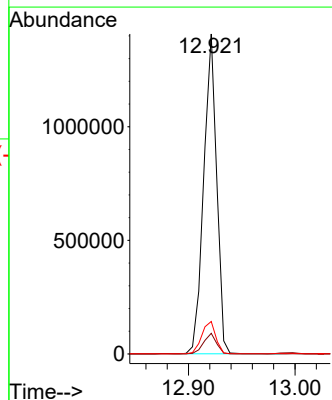
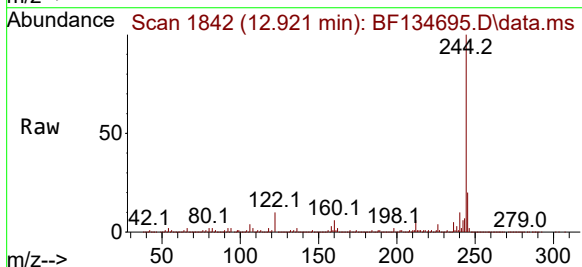
Instrument :
BNA_F
ClientSampleId :
B-PP21A

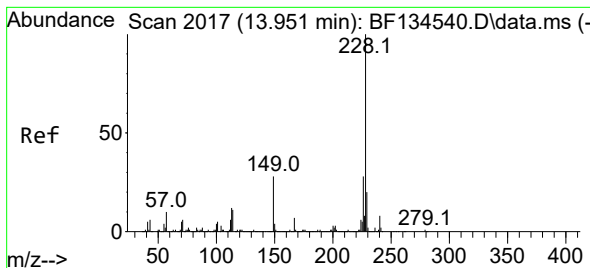
Tgt Ion:202 Resp: 1745405
Ion Ratio Lower Upper
202 100
200 21.4 15.8 23.8
203 18.5 13.5 20.3



#79
Terphenyl-d14
Concen: 52.556 ng
RT: 12.921 min Scan# 1842
Delta R.T. -0.000 min
Lab File: BF134695.D
Acq: 09 Aug 2023 17:56

Tgt Ion:244 Resp: 1196469
Ion Ratio Lower Upper
244 100
212 6.5 5.6 8.4
122 10.2 8.0 12.0





#81

Benzo(a)anthracene

Concen: 38.619 ng

RT: 13.968 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF134695.D

Acq: 09 Aug 2023 17:56

Instrument :

BNA_F

ClientSampleId :

B-PP21A

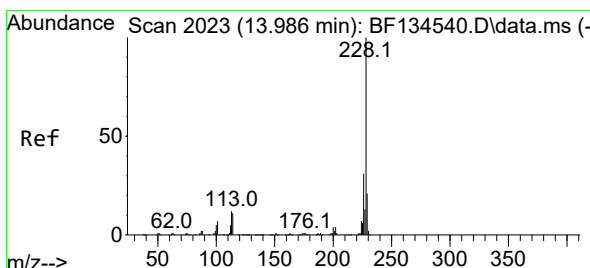
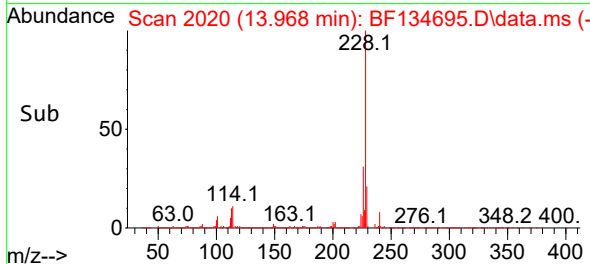
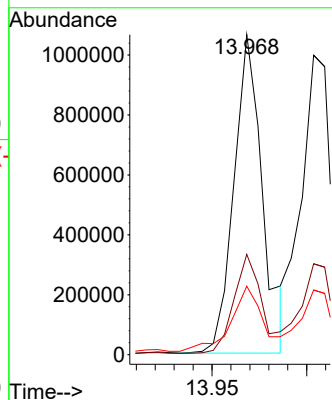
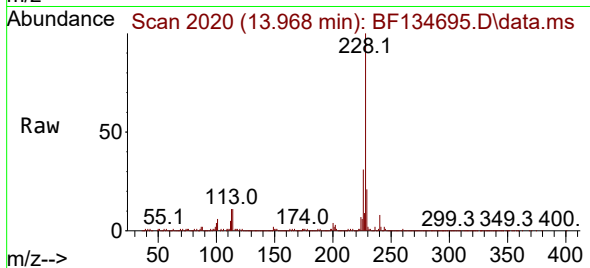
Tgt Ion:228 Resp: 1108239

Ion Ratio Lower Upper

228 100

226 31.4 22.3 33.5

229 21.4 15.8 23.6



#83

Chrysene

Concen: 37.865 ng

RT: 14.004 min Scan# 2026

Delta R.T. 0.006 min

Lab File: BF134695.D

Acq: 09 Aug 2023 17:56

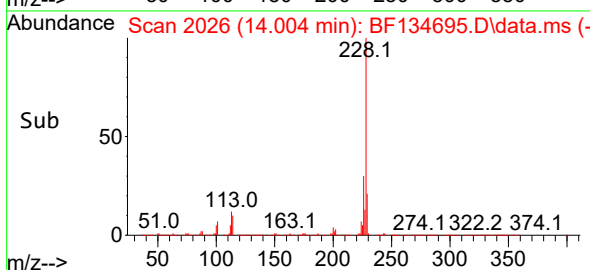
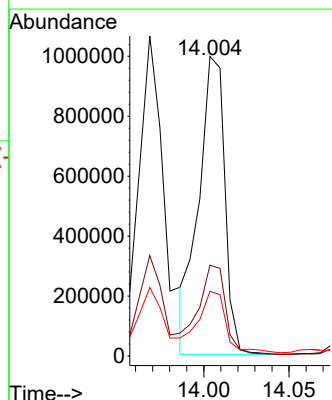
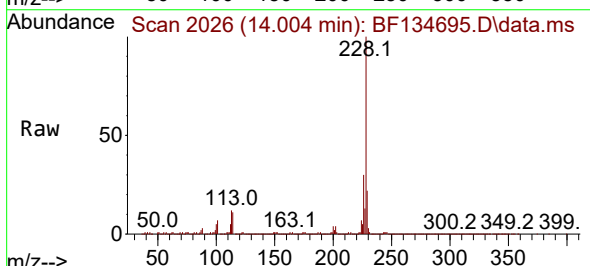
Tgt Ion:228 Resp: 1058648

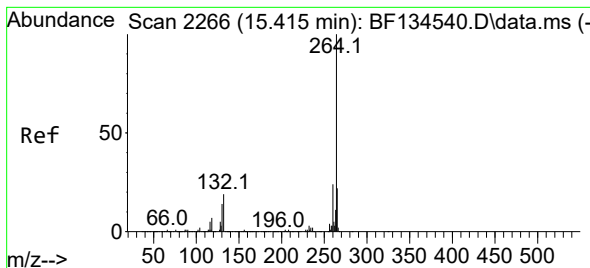
Ion Ratio Lower Upper

228 100

226 30.4 24.5 36.7

229 21.6 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF134695.D

Acq: 09 Aug 2023 17:56

Instrument :

BNA_F

ClientSampleId :

B-PP21A

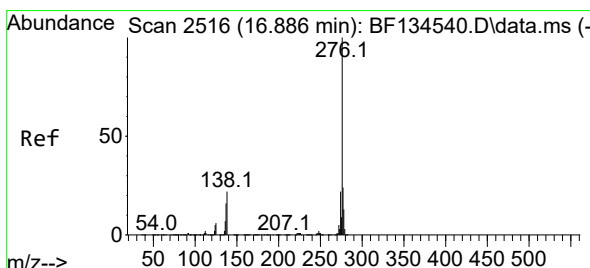
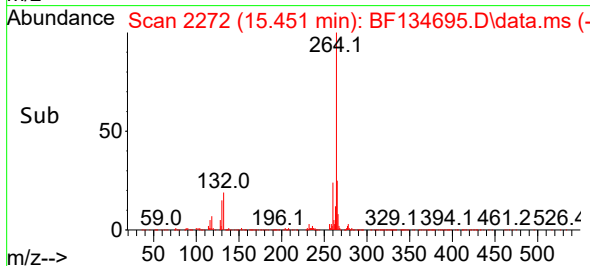
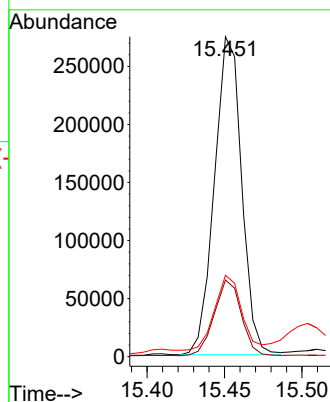
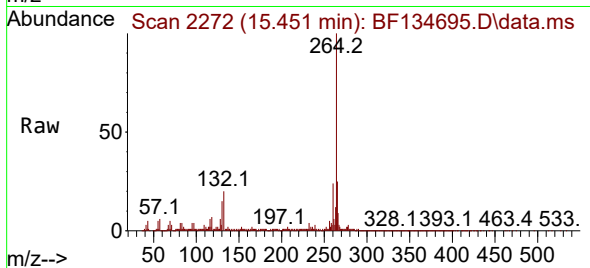
Tgt Ion:264 Resp: 334650

Ion Ratio Lower Upper

264 100

260 24.0 18.4 27.6

265 25.5 15.8 23.8#



#87

Indeno(1,2,3-cd)pyrene

Concen: 17.141 ng

RT: 16.945 min Scan# 2526

Delta R.T. 0.018 min

Lab File: BF134695.D

Acq: 09 Aug 2023 17:56

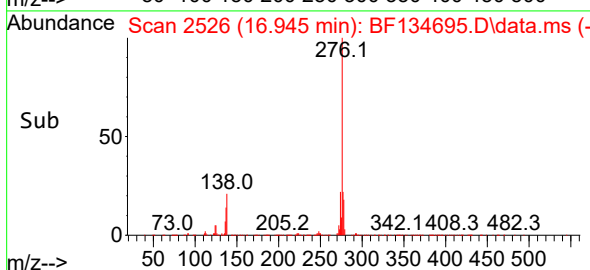
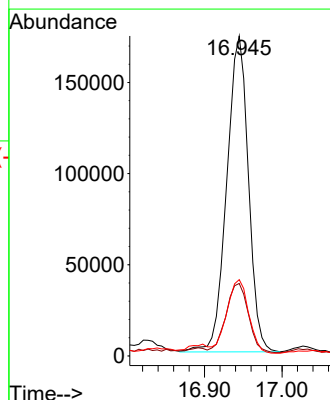
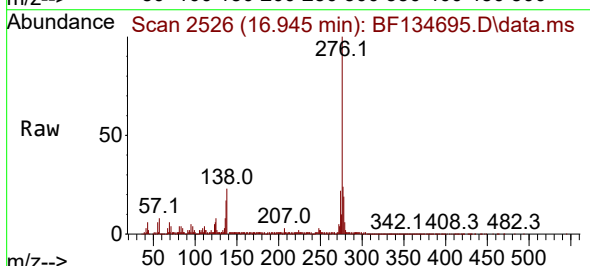
Tgt Ion:276 Resp: 337367

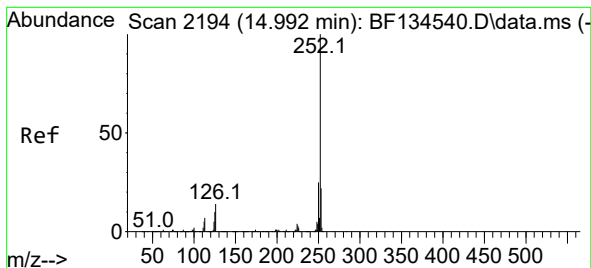
Ion Ratio Lower Upper

276 100

138 22.6 14.2 21.4#

277 23.9 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 60.087 ng

RT: 15.027 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF134695.D

Acq: 09 Aug 2023 17:56

Instrument :

BNA_F

ClientSampleId :

B-PP21A

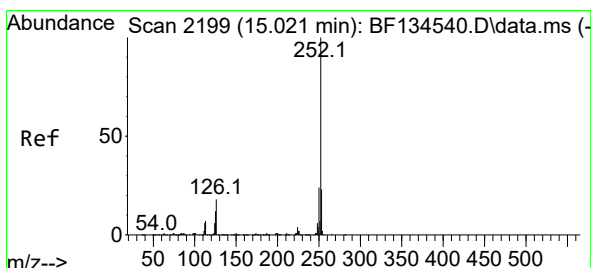
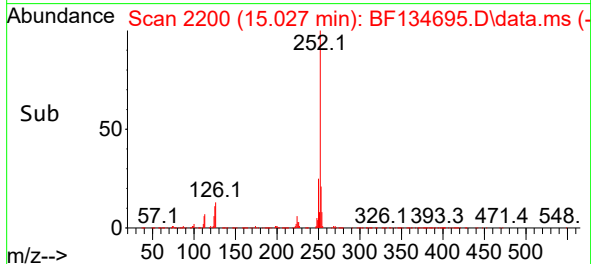
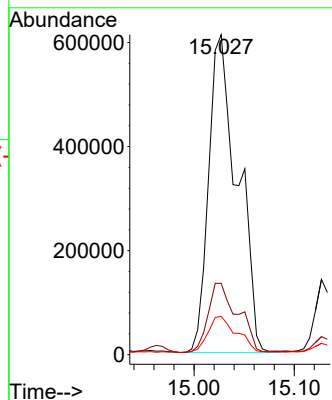
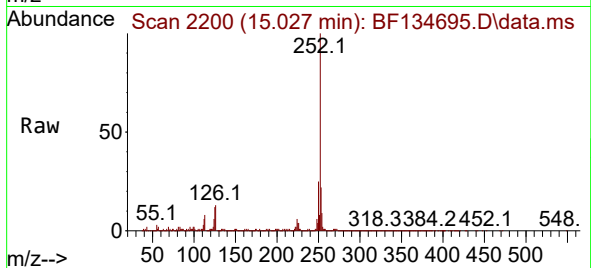
Tgt Ion:252 Resp: 1226371

Ion Ratio Lower Upper

252 100

253 22.3 17.3 25.9

125 12.0 6.0 9.0#



#89

Benzo(k)fluoranthene

Concen: 60.318 ng

RT: 15.027 min Scan# 2200

Delta R.T. -0.012 min

Lab File: BF134695.D

Acq: 09 Aug 2023 17:56

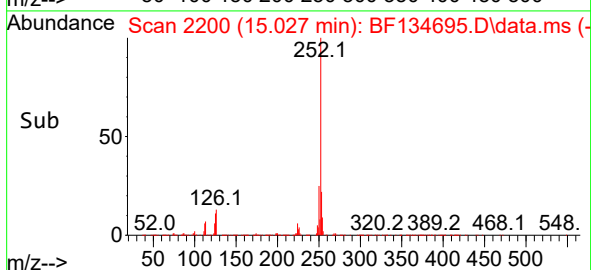
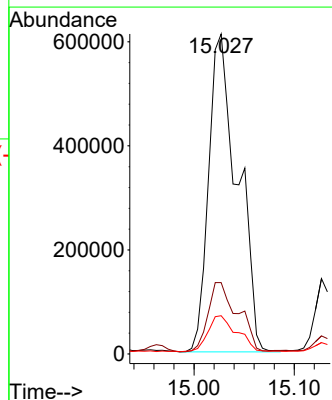
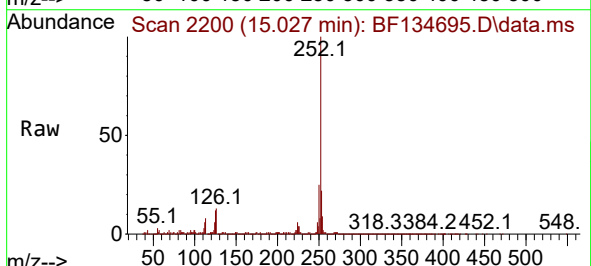
Tgt Ion:252 Resp: 1226371

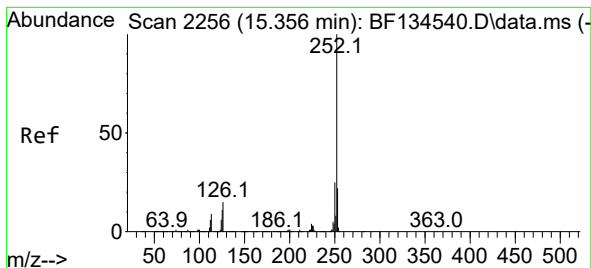
Ion Ratio Lower Upper

252 100

253 22.3 17.9 26.9

125 12.0 6.3 9.5#





#90

Benzo(a)pyrene

Concen: 37.236 ng

RT: 15.392 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF134695.D

Acq: 09 Aug 2023 17:56

Instrument :

BNA_F

ClientSampleId :

B-PP21A

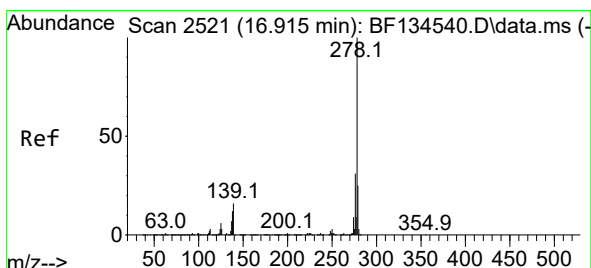
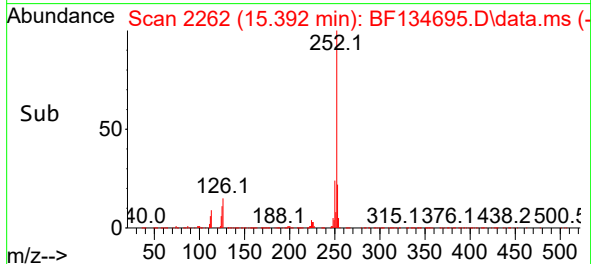
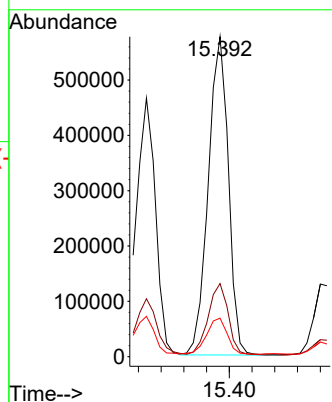
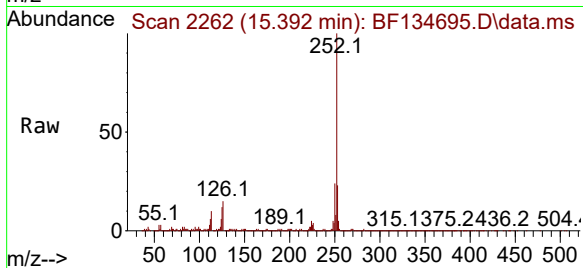
Tgt Ion:252 Resp: 708592

Ion Ratio Lower Upper

252 100

253 22.9 17.0 25.4

125 12.0 6.2 9.4#



#91

Dibenzo(a,h)anthracene

Concen: 5.708 ng

RT: 16.956 min Scan# 2528

Delta R.T. 0.006 min

Lab File: BF134695.D

Acq: 09 Aug 2023 17:56

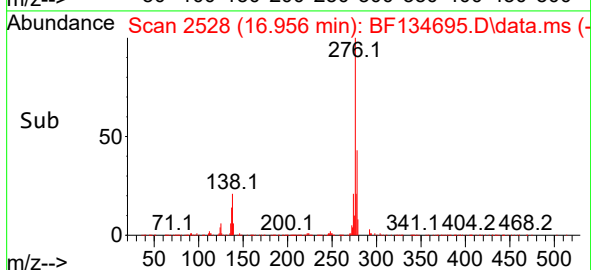
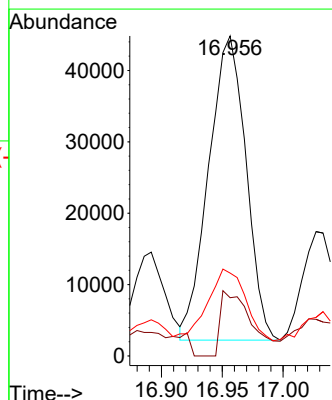
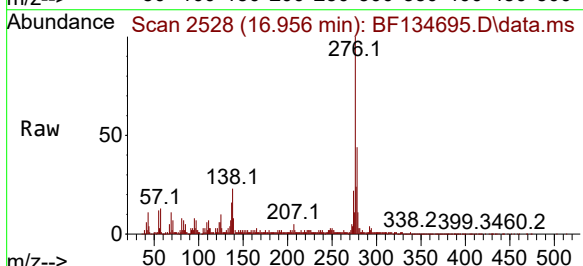
Tgt Ion:278 Resp: 90786

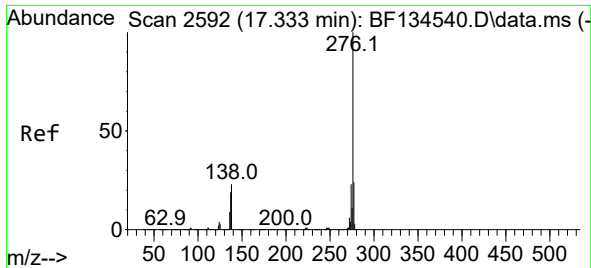
Ion Ratio Lower Upper

278 100

139 18.2 10.0 15.0#

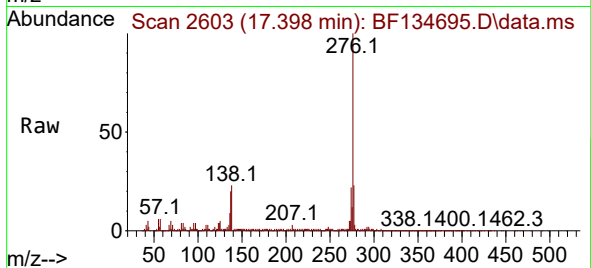
279 25.9 19.7 29.5





#92
 Benzo(g,h,i)perylene
 Concen: 23.167 ng
 RT: 17.398 min Scan# 20
 Delta R.T. 0.023 min
 Lab File: BF134695.D
 Acq: 09 Aug 2023 17:56

Instrument :
 BNA_F
 ClientSampleId :
 B-PP21A



Tgt Ion:276 Resp: 375887
 Ion Ratio Lower Upper
 276 100
 277 23.5 19.0 28.6
 138 22.6 12.2 18.2#

