

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081023\
 Data File : BF134705.D
 Acq On : 10 Aug 2023 12:20
 Operator : CG\JU
 Sample : 03943-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-PP21A

Quant Time: Aug 11 03:53:10 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)

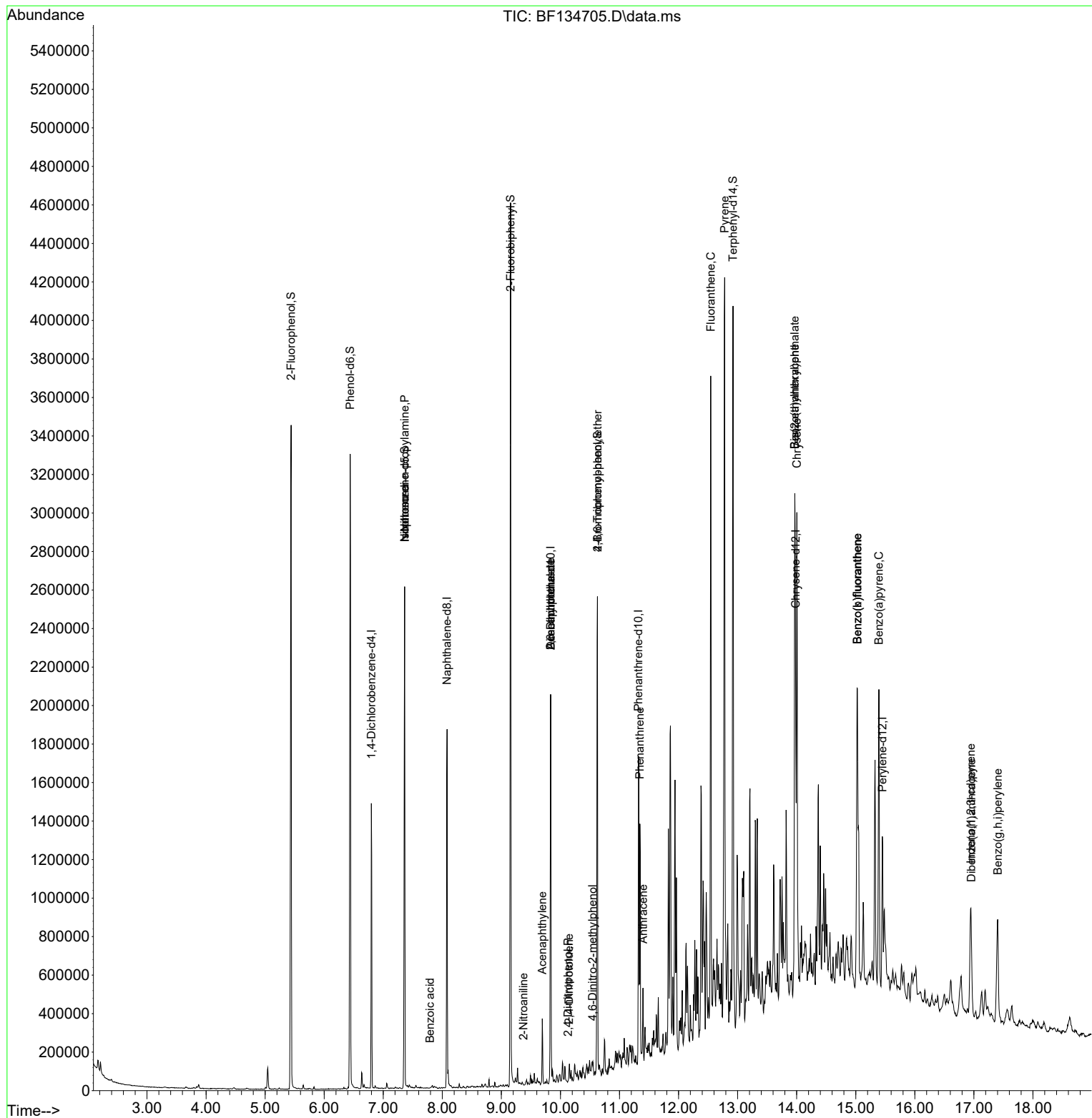
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	204755	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	787198	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	384120	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	618574	20.000	ng	# 0.00
76) Chrysene-d12	13.980	240	385939	20.000	ng	# 0.00
86) Perylene-d12	15.451	264	366382	20.000	ng	# 0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	999391	74.195	ng	0.01
7) Phenol-d6	6.439	99	1257837	73.051	ng	0.00
23) Nitrobenzene-d5	7.363	82	784612	62.287	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	322106	82.259	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1446500	62.613	ng	0.00
79) Terphenyl-d14	12.921	244	1293525	59.085	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.351	77	1047	Below Cal	#	85
19) n-Nitroso-di-n-propyla...	7.363	70	106264	10.308	ng	# 71
25) Isophorone	7.363	82	772242	28.108	ng	# 65
32) Benzoic acid	7.792	122	1290	8.002	ng	92
48) 2-Nitroaniline	9.375	65	301	3.206	ng	# 27
49) Acenaphthylene	9.692	152	128428	3.650	ng	98
50) Dimethylphthalate	9.833	163	80341	3.069	ng	# 1
51) 2,6-Dinitrotoluene	9.833	165	50057	11.342	ng	# 18
54) 2,4-Dinitrophenol	10.127	184	392	7.026	ng	# 60
57) 2,4-Dinitrotoluene	10.145	165	2294	3.184	ng	# 61
65) 4,6-Dinitro-2-methylph...	10.545	198	316	8.802	ng	# 1
67) 4-Bromophenyl-phenylether	10.627	248	20289	2.996	ng	# 1
71) Phenanthrene	11.345	178	468480	14.259	ng	99
72) Anthracene	11.398	178	127032	3.785	ng	99
75) Fluoranthene	12.545	202	1273328	36.689	ng	95
78) Pyrene	12.780	202	1839034	55.068	ng	97
81) Benzo(a)anthracene	13.968	228	1046265	37.913	ng	95
83) Chrysene	14.004	228	988368	36.761	ng	98
84) Bis(2-ethylhexyl)phtha...	13.968	149	26730	2.011	ng	93
87) Indeno(1,2,3-cd)pyrene	16.951	276	410143	19.034	ng	# 94
88) Benzo(b)fluoranthene	15.027	252	1222766	54.721	ng	# 95
89) Benzo(k)fluoranthene	15.027	252	1222766	54.932	ng	# 97
90) Benzo(a)pyrene	15.392	252	783305	37.597	ng	# 96
91) Dibenzo(a,h)anthracene	16.956	278	111605	6.409	ng	# 90
92) Benzo(g,h,i)perylene	17.403	276	450121	25.340	ng	# 92

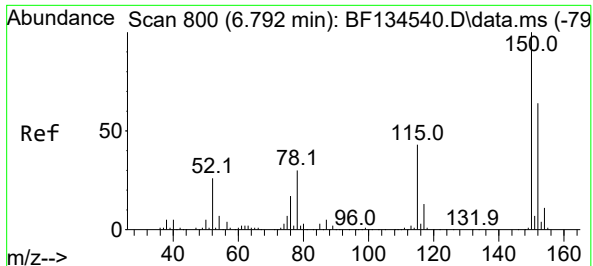
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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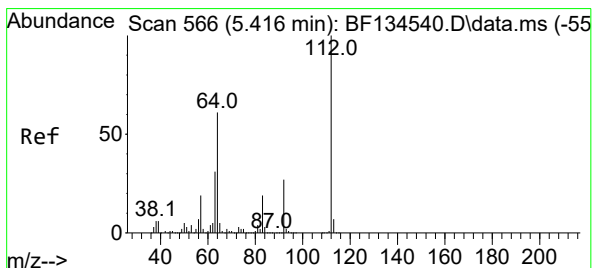
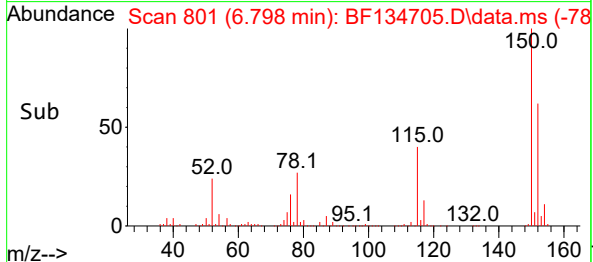
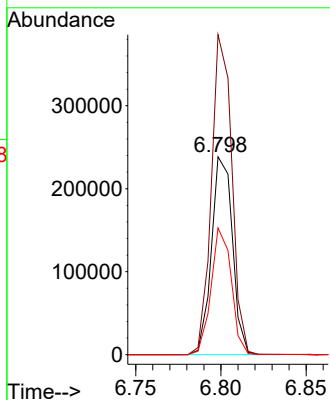
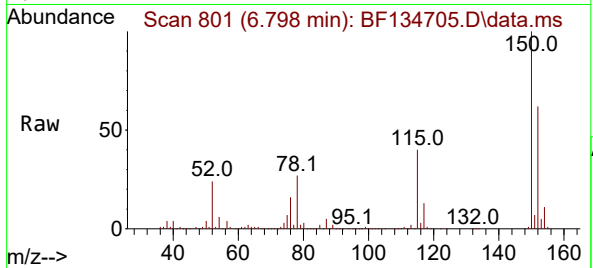




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134705.D
Acq: 10 Aug 2023 12:20

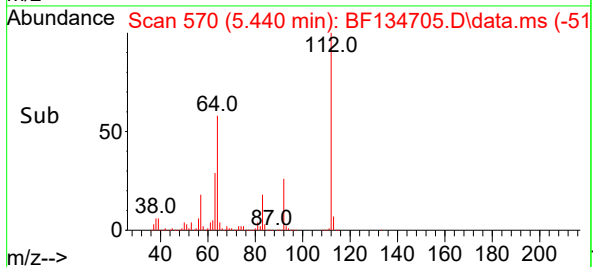
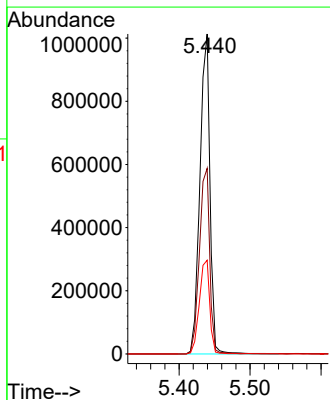
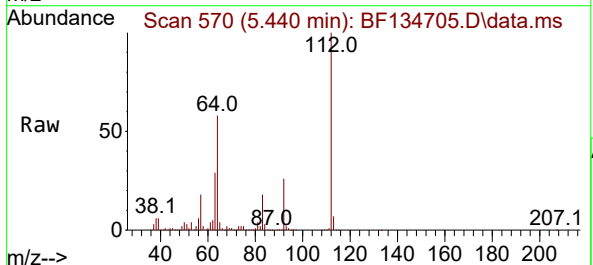
Instrument :
BNA_F
ClientSampleId :
B-PP21A

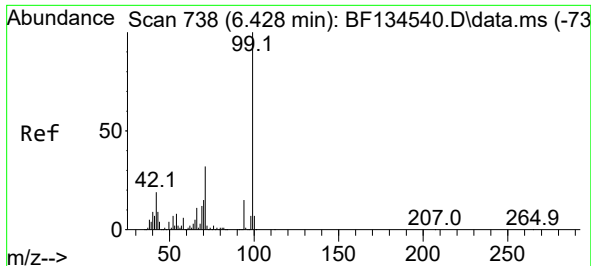
Tgt Ion:152 Resp: 204755
Ion Ratio Lower Upper
152 100
150 161.6 128.3 192.5
115 64.0 52.4 78.6



#5
2-Fluorophenol
Concen: 74.195 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.012 min
Lab File: BF134705.D
Acq: 10 Aug 2023 12:20

Tgt Ion:112 Resp: 999391
Ion Ratio Lower Upper
112 100
64 58.0 44.9 67.3
63 29.3 25.4 38.0

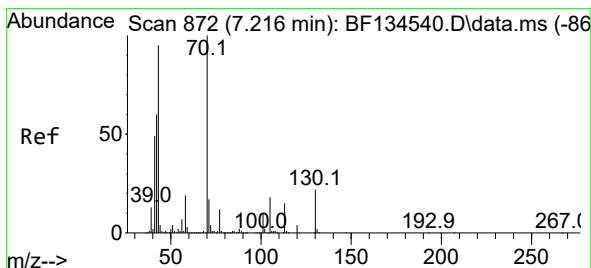
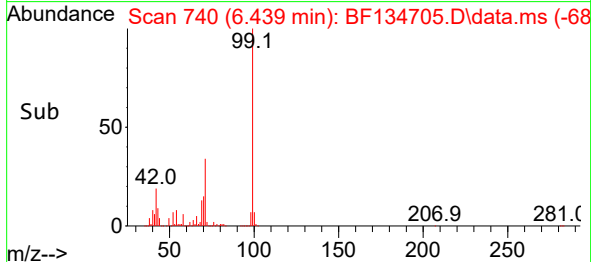
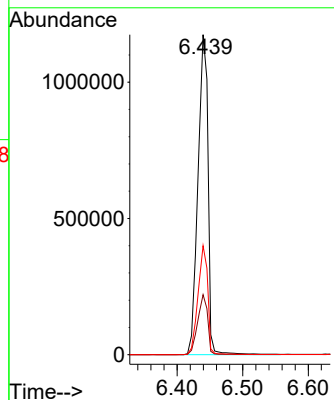
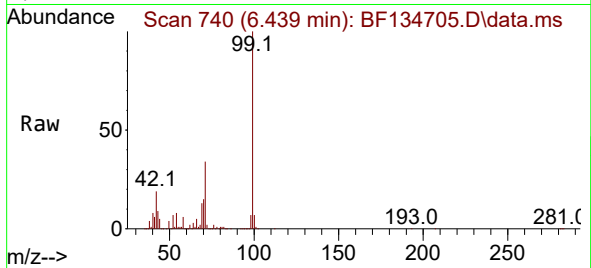




#7
Phenol-d6
Concen: 73.051 ng
RT: 6.439 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF134705.D
Acq: 10 Aug 2023 12:20

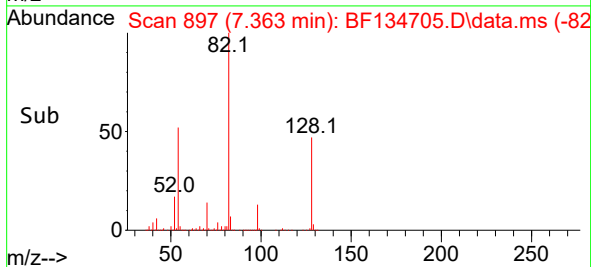
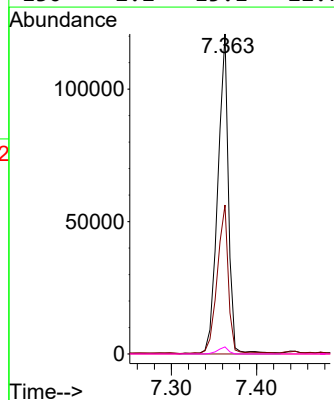
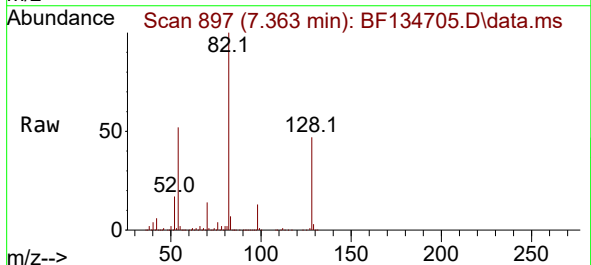
Instrument :
BNA_F
ClientSampleId :
B-PP21A

Tgt Ion: 99 Resp: 1257837
Ion Ratio Lower Upper
99 100
42 18.8 18.7 28.1
71 34.1 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 10.308 ng
RT: 7.363 min Scan# 897
Delta R.T. 0.141 min
Lab File: BF134705.D
Acq: 10 Aug 2023 12:20

Tgt Ion: 70 Resp: 106264
Ion Ratio Lower Upper
70 100
42 46.5 54.7 82.1#
101 0.0 8.2 12.2#
130 2.2 15.1 22.7#

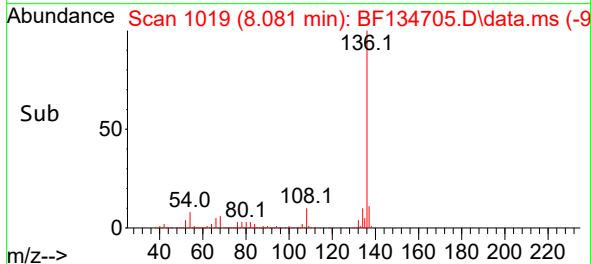
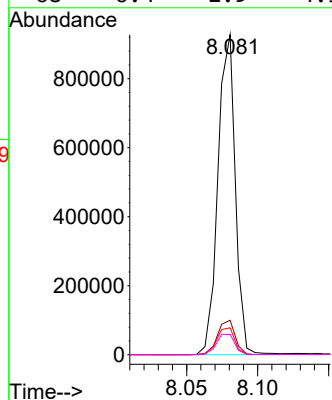
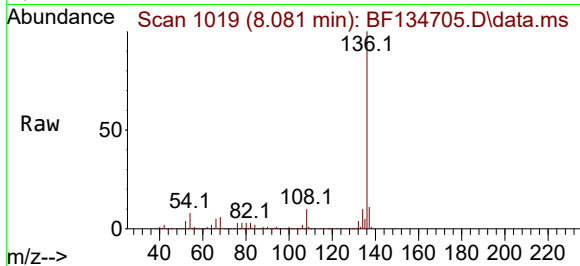




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF134705.D
Acq: 10 Aug 2023 12:20

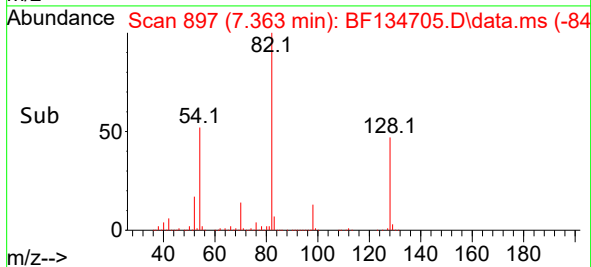
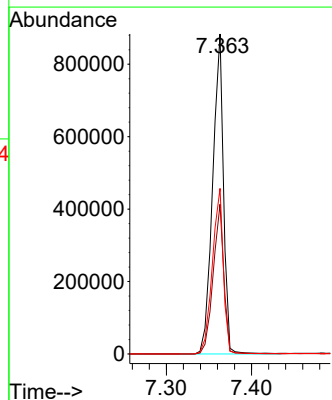
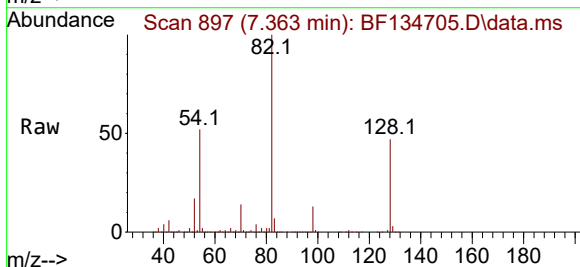
Instrument :
BNA_F
ClientSampleId :
B-PP21A

Tgt Ion:	136	Resp:	787198
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	8.4	5.2	7.8#
68	6.4	2.9	4.3#



#23
Nitrobenzene-d5
Concen: 62.287 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.006 min
Lab File: BF134705.D
Acq: 10 Aug 2023 12:20

Tgt Ion:	82	Resp:	784612
Ion	Ratio	Lower	Upper
82	100		
128	46.8	34.3	51.5
54	51.7	43.8	65.6

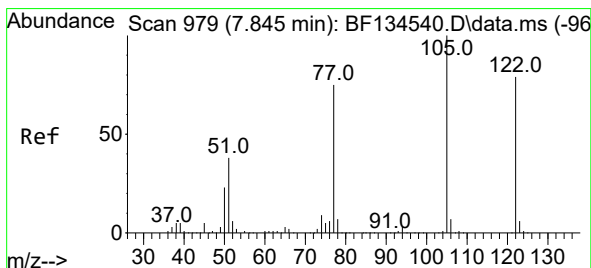
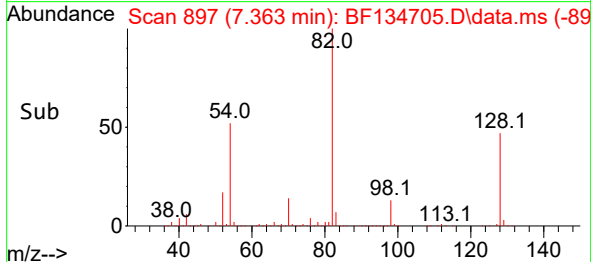
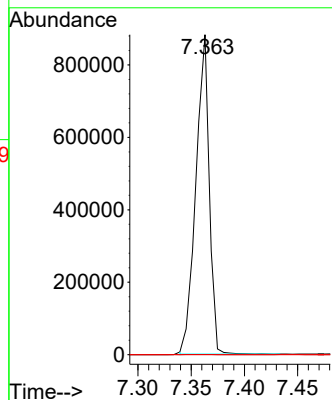
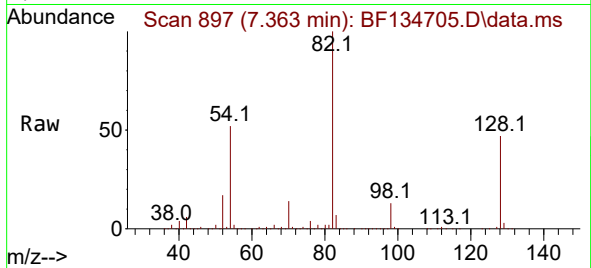




#25
Isophorone
Concen: 28.108 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.265 min
Lab File: BF134705.D
Acq: 10 Aug 2023 12:20

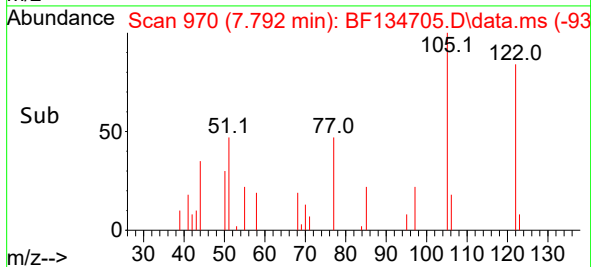
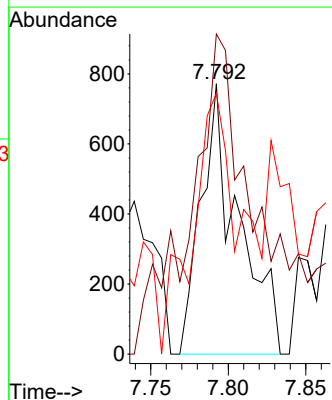
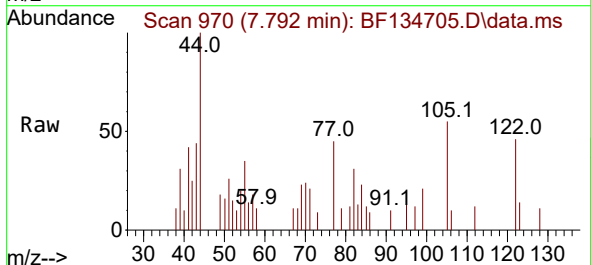
Instrument :
BNA_F
ClientSampleId :
B-PP21A

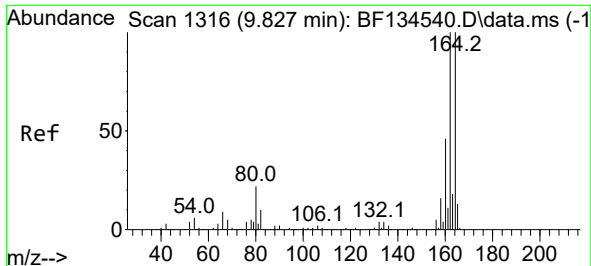
Tgt Ion: 82 Resp: 772242
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 8.002 ng
RT: 7.792 min Scan# 970
Delta R.T. -0.071 min
Lab File: BF134705.D
Acq: 10 Aug 2023 12:20

Tgt Ion: 122 Resp: 1290
Ion Ratio Lower Upper
122 100
105 118.4 87.5 127.5
77 96.5 71.4 111.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.833 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF134705.D

Acq: 10 Aug 2023 12:20

Instrument :

BNA_F

ClientSampleId :

B-PP21A

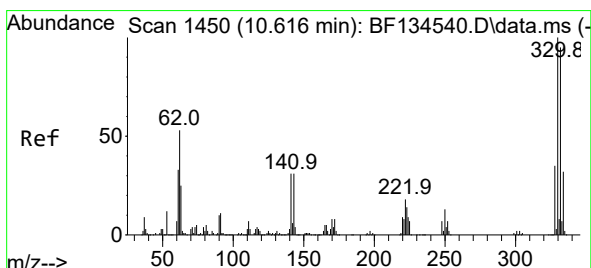
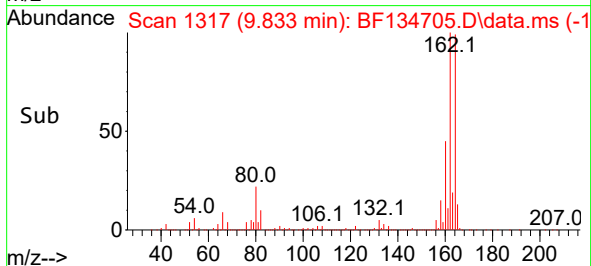
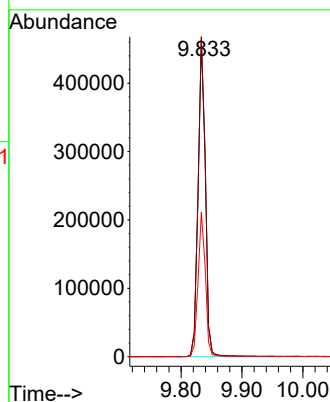
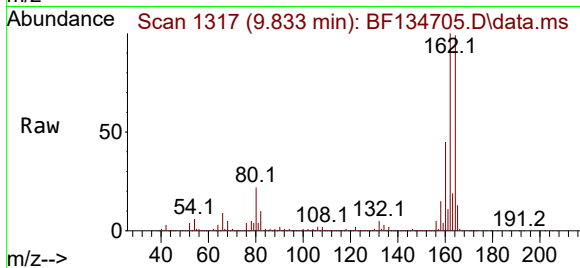
Tgt Ion:164 Resp: 384120

Ion Ratio Lower Upper

164 100

162 101.0 82.6 123.8

160 45.6 37.2 55.8



#42

2,4,6-Tribromophenol

Concen: 82.259 ng

RT: 10.627 min Scan# 1452

Delta R.T. -0.000 min

Lab File: BF134705.D

Acq: 10 Aug 2023 12:20

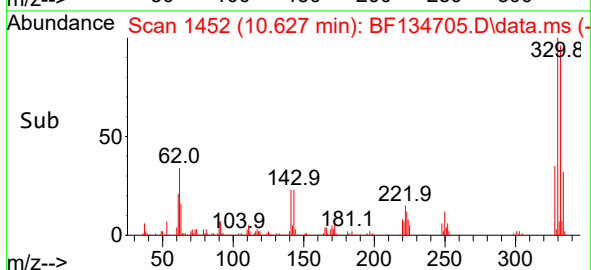
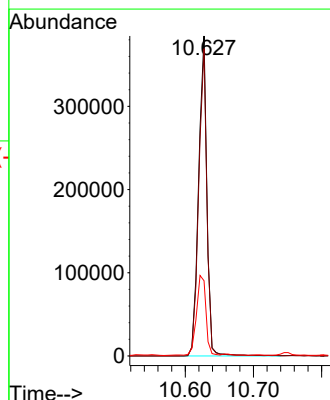
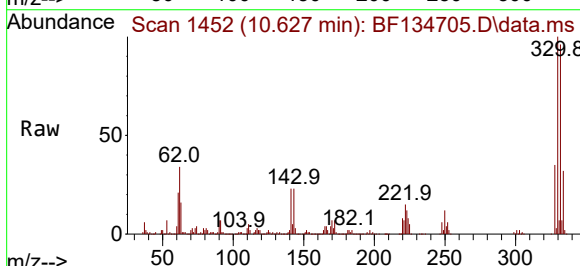
Tgt Ion:330 Resp: 322106

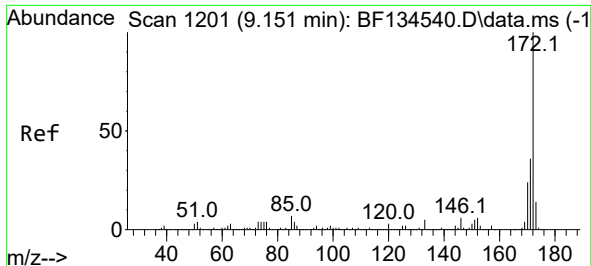
Ion Ratio Lower Upper

330 100

332 95.3 78.8 118.2

141 28.6 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 62.613 ng

RT: 9.157 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134705.D

Acq: 10 Aug 2023 12:20

Instrument :

BNA_F

ClientSampleId :

B-PP21A

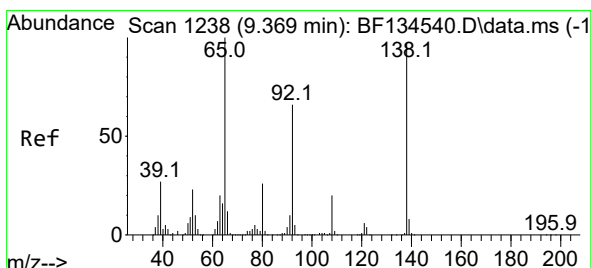
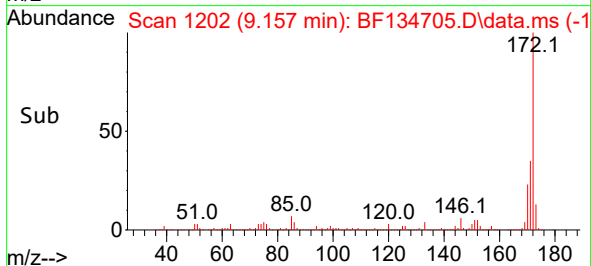
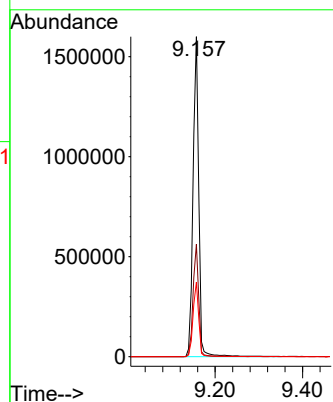
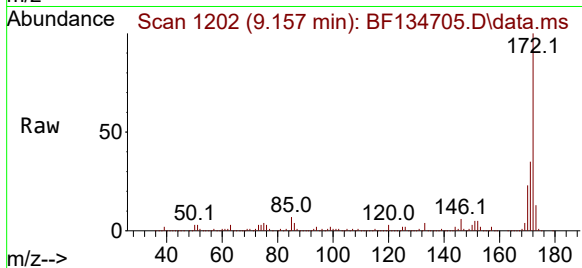
Tgt Ion:172 Resp: 1446500

Ion Ratio Lower Upper

172 100

171 35.1 28.8 43.2

170 23.3 18.7 28.1



#48

2-Nitroaniline

Concen: 3.206 ng

RT: 9.375 min Scan# 1239

Delta R.T. -0.006 min

Lab File: BF134705.D

Acq: 10 Aug 2023 12:20

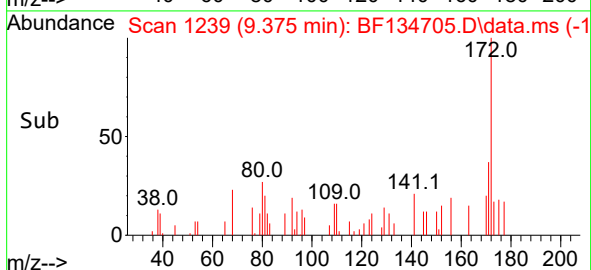
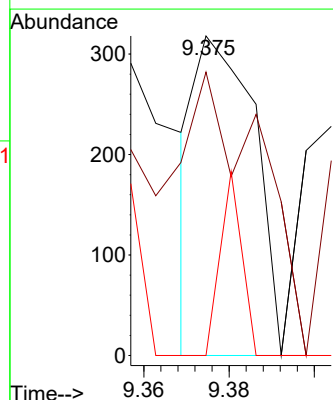
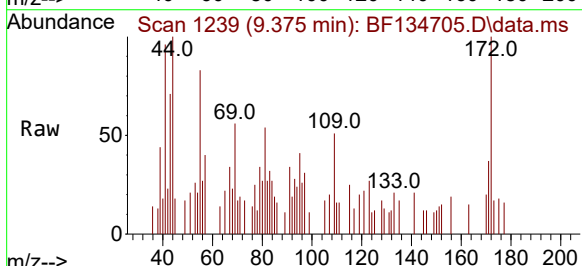
Tgt Ion: 65 Resp: 301

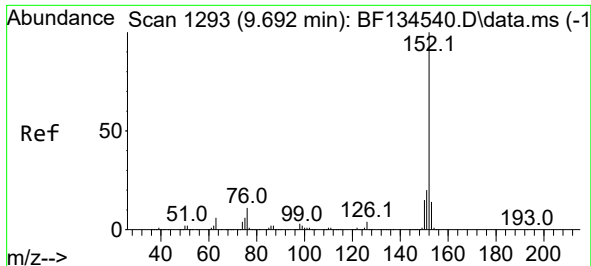
Ion Ratio Lower Upper

65 100

92 88.7 50.7 76.1#

138 0.0 78.2 117.4#





#49

Acenaphthylene

Concen: 3.650 ng

RT: 9.692 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134705.D

Acq: 10 Aug 2023 12:20

Instrument :

BNA_F

ClientSampleId :

B-PP21A

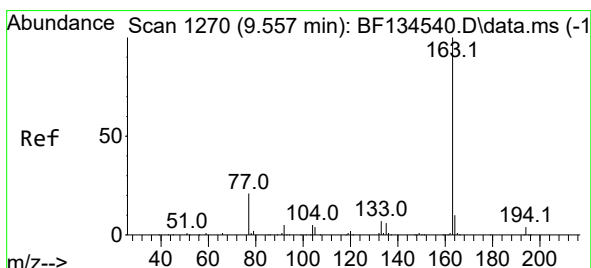
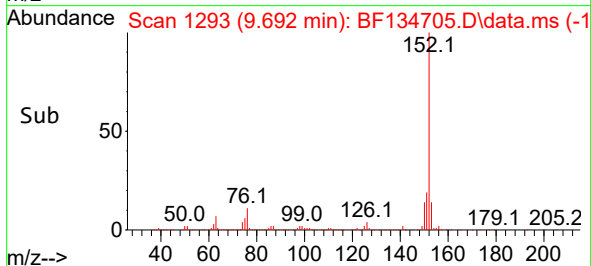
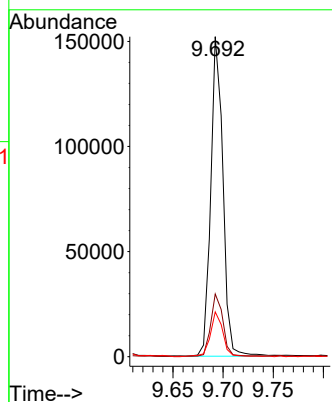
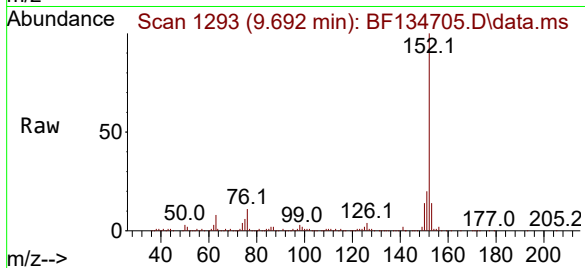
Tgt Ion:152 Resp: 128428

Ion Ratio Lower Upper

152 100

151 19.6 16.4 24.6

153 14.0 10.9 16.3



#50

Dimethylphthalate

Concen: 3.069 ng

RT: 9.833 min Scan# 1317

Delta R.T. 0.265 min

Lab File: BF134705.D

Acq: 10 Aug 2023 12:20

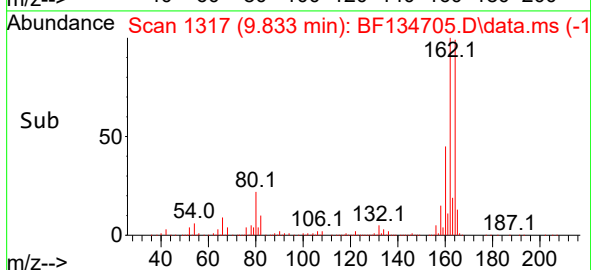
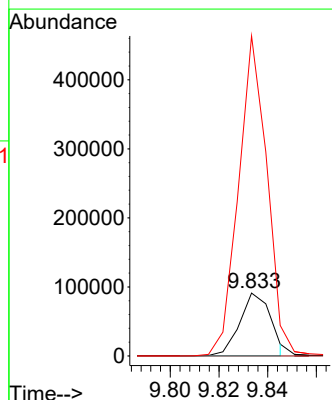
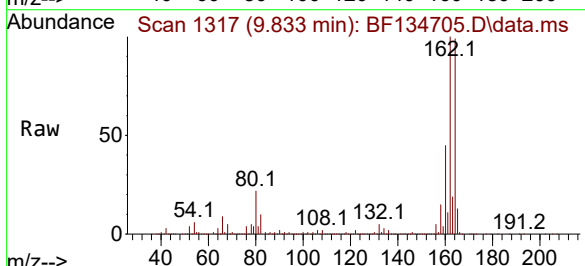
Tgt Ion:163 Resp: 80341

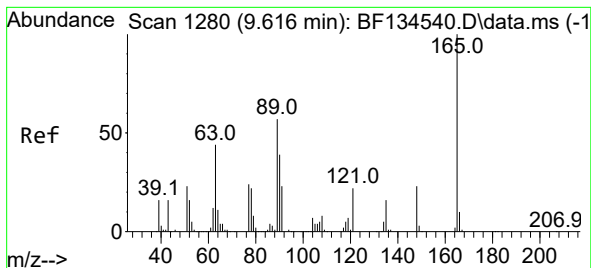
Ion Ratio Lower Upper

163 100

194 0.0 3.3 4.9#

164 509.4 7.5 11.3#





#51

2,6-Dinitrotoluene

Concen: 11.342 ng

RT: 9.833 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF134705.D

Acq: 10 Aug 2023 12:20

Instrument :

BNA_F

ClientSampleId :

B-PP21A

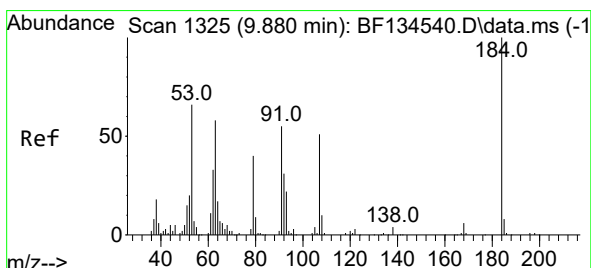
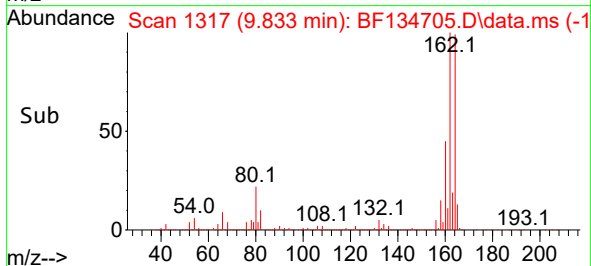
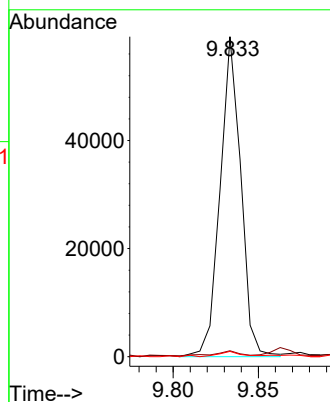
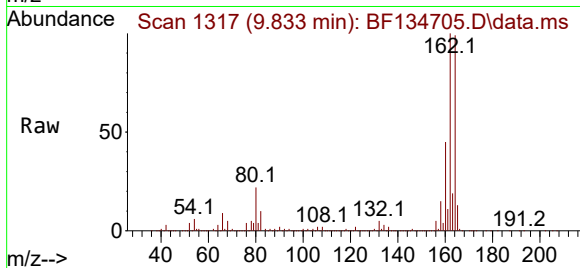
Tgt Ion:165 Resp: 50057

Ion Ratio Lower Upper

165 100

63 1.8 57.8 86.6#

89 1.7 51.8 77.8#



#54

2,4-Dinitrophenol

Concen: 7.026 ng

RT: 10.127 min Scan# 1367

Delta R.T. 0.229 min

Lab File: BF134705.D

Acq: 10 Aug 2023 12:20

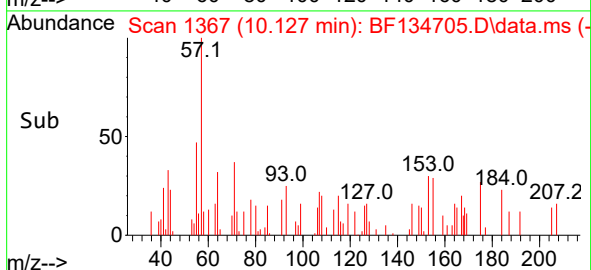
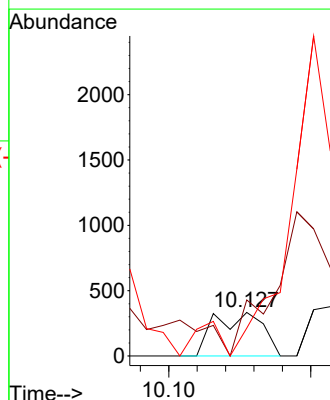
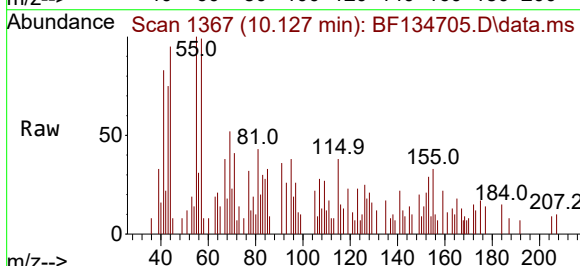
Tgt Ion:184 Resp: 392

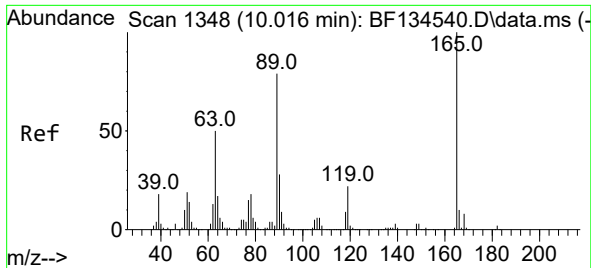
Ion Ratio Lower Upper

184 100

63 128.4 57.1 85.7#

154 64.1 59.1 88.7

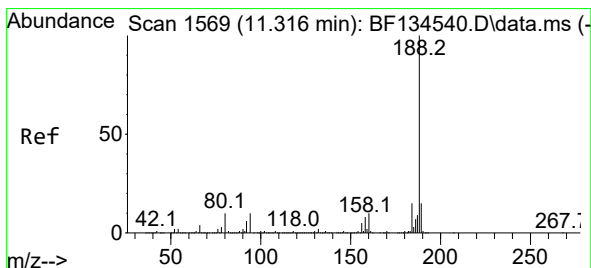
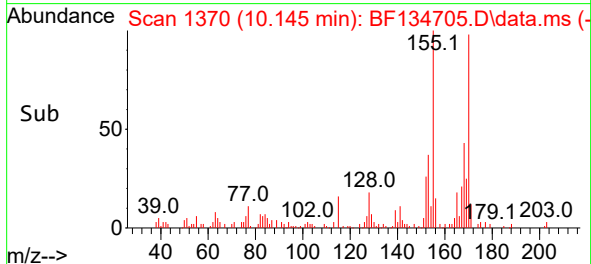
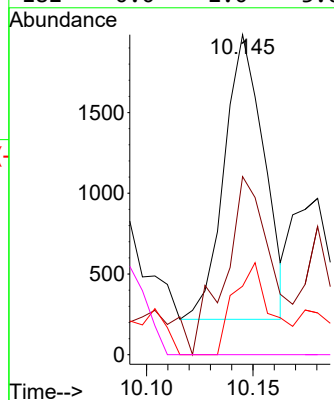
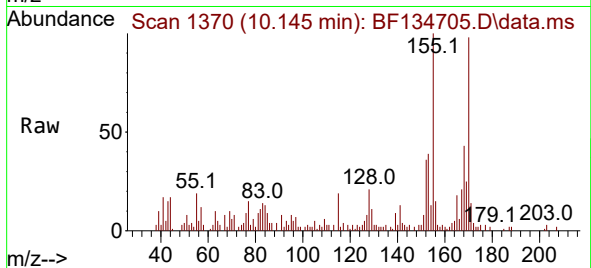




#57
2,4-Dinitrotoluene
Concen: 3.184 ng
RT: 10.145 min Scan# 11
Delta R.T. 0.118 min
Lab File: BF134705.D
Acq: 10 Aug 2023 12:20

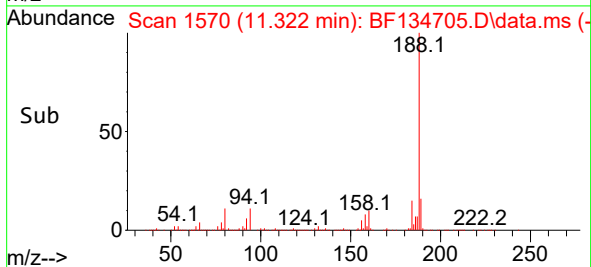
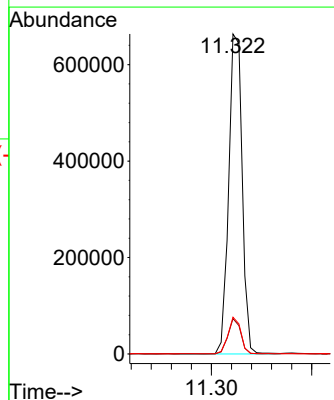
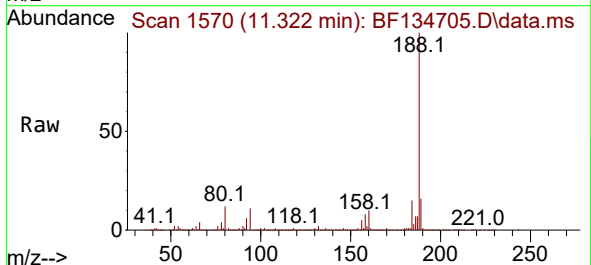
Instrument :
BNA_F
ClientSampleId :
B-PP21A

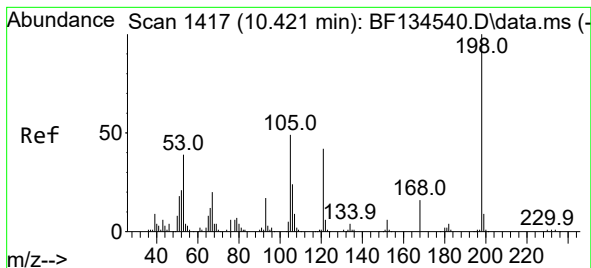
Tgt Ion:165 Resp: 2294
Ion Ratio Lower Upper
165 100
63 55.7 48.9 73.3
89 21.4 61.7 92.5#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BF134705.D
Acq: 10 Aug 2023 12:20

Tgt Ion:188 Resp: 618574
Ion Ratio Lower Upper
188 100
94 11.0 5.1 7.7#
80 11.5 6.6 9.8#

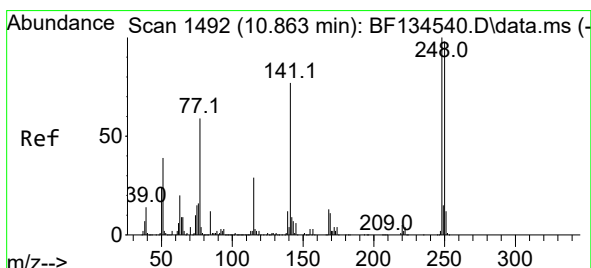
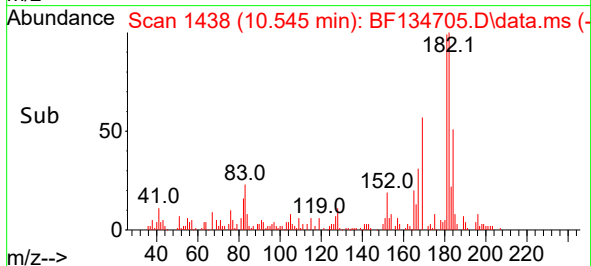
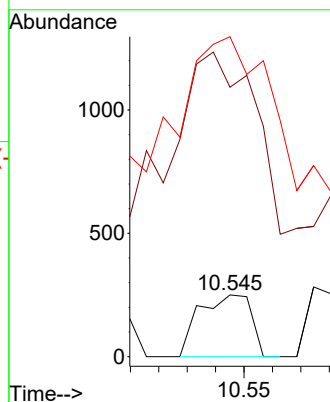
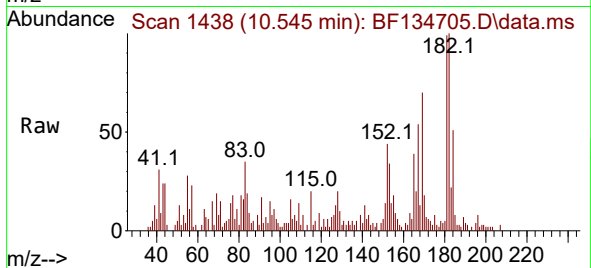




#65
4,6-Dinitro-2-methylphenol
Concen: 8.802 ng
RT: 10.545 min Scan# 1417
Delta R.T. 0.106 min
Lab File: BF134705.D
Acq: 10 Aug 2023 12:20

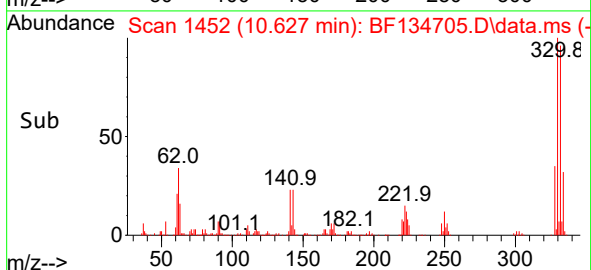
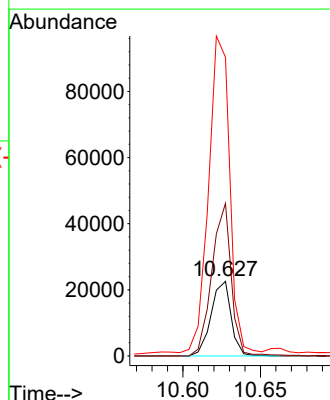
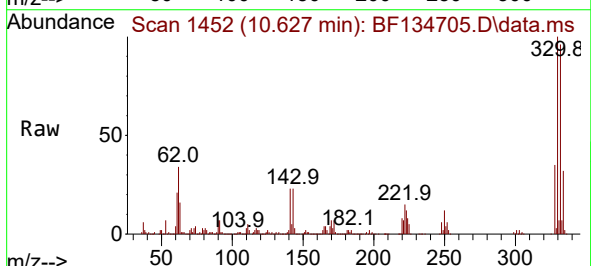
Instrument :
BNA_F
ClientSampleId :
B-PP21A

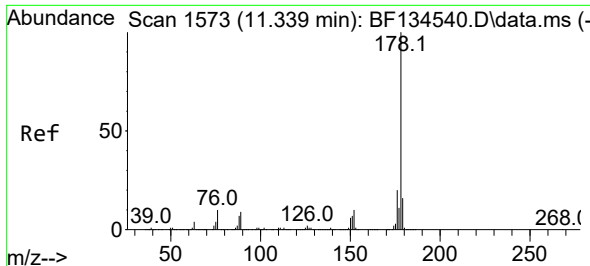
Tgt Ion:198 Resp: 316
Ion Ratio Lower Upper
198 100
51 436.8 38.6 78.6#
105 518.8 27.9 67.9#



#67
4-Bromophenyl-phenylether
Concen: 2.996 ng
RT: 10.627 min Scan# 1452
Delta R.T. -0.241 min
Lab File: BF134705.D
Acq: 10 Aug 2023 12:20

Tgt Ion:248 Resp: 20289
Ion Ratio Lower Upper
248 100
250 204.5 79.6 119.4#
141 400.2 59.6 89.4#

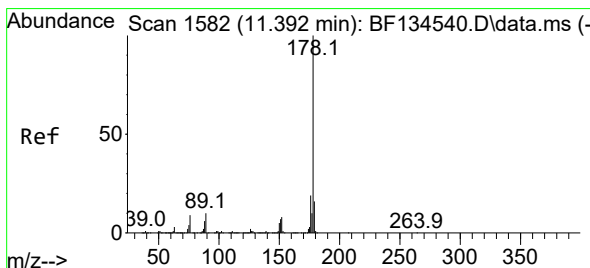
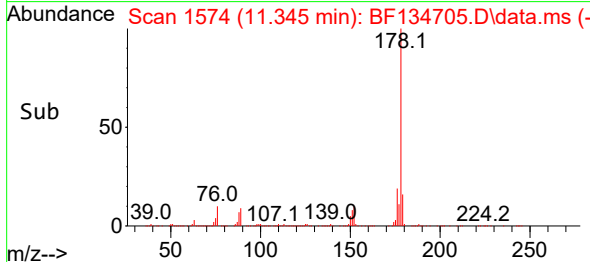
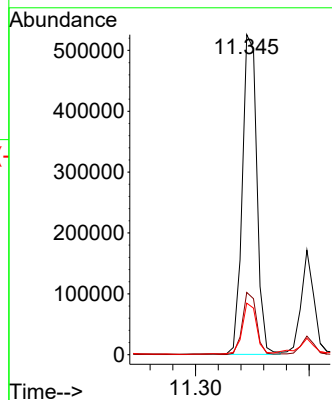
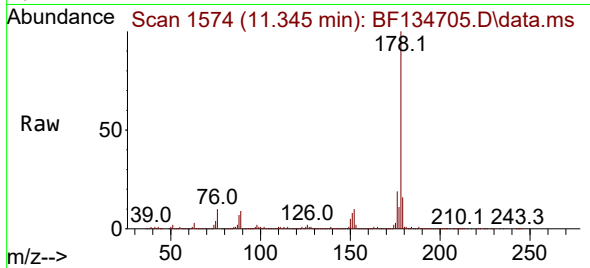




#71
Phenanthrene
Concen: 14.259 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF134705.D
Acq: 10 Aug 2023 12:20

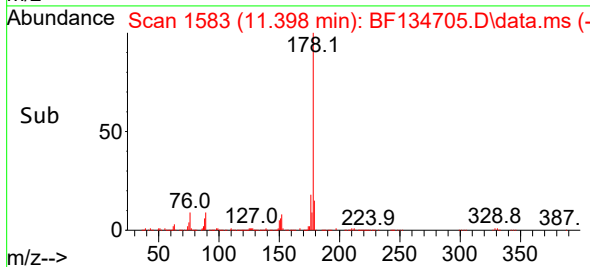
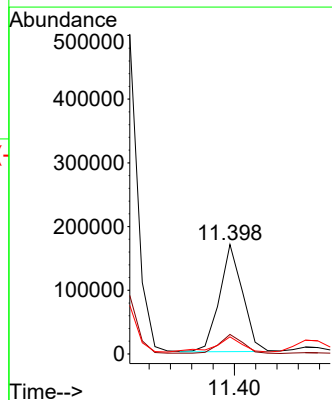
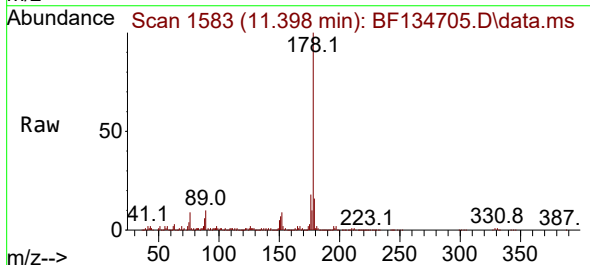
Instrument :
BNA_F
ClientSampleId :
B-PP21A

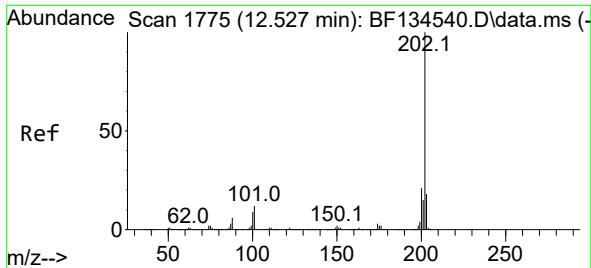
Tgt Ion:178 Resp: 468480
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.6
179 16.1 12.7 19.1



#72
Anthracene
Concen: 3.785 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF134705.D
Acq: 10 Aug 2023 12:20

Tgt Ion:178 Resp: 127032
Ion Ratio Lower Upper
178 100
176 17.8 14.6 21.8
179 15.6 12.3 18.5

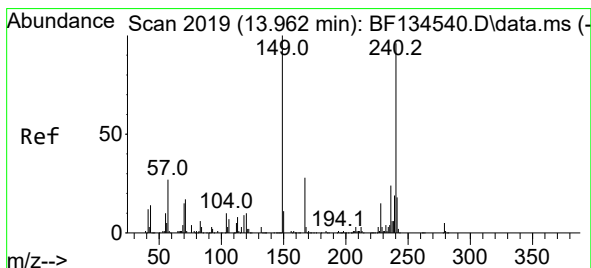
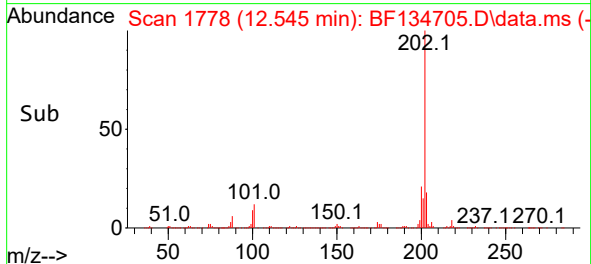
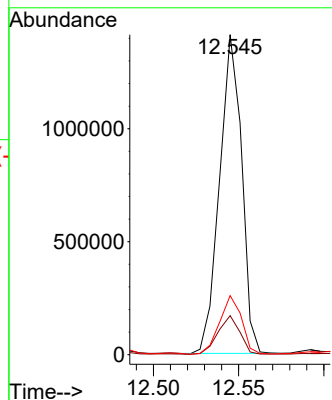
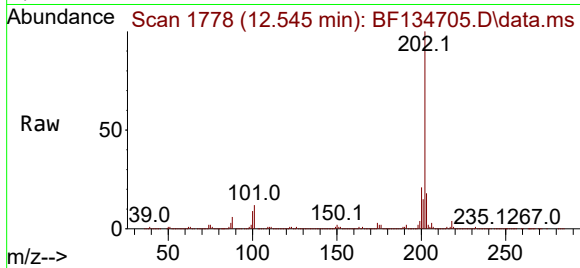




#75
Fluoranthene
Concen: 36.689 ng
RT: 12.545 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF134705.D
Acq: 10 Aug 2023 12:20

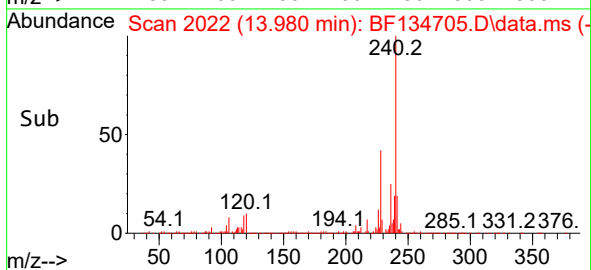
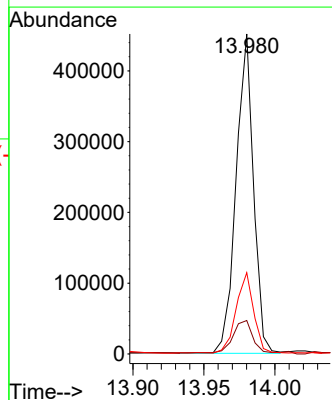
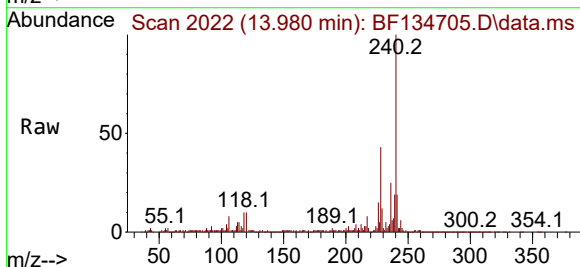
Instrument :
BNA_F
ClientSampleId :
B-PP21A

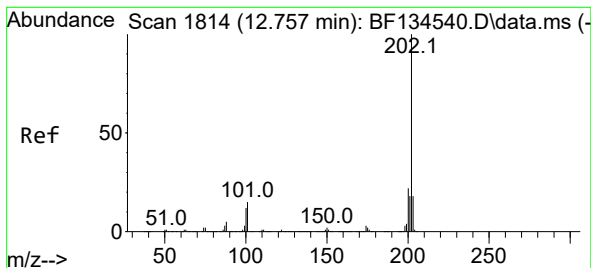
Tgt Ion:202 Resp: 1273328
Ion Ratio Lower Upper
202 100
101 12.2 0.0 28.5
203 18.5 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. 0.006 min
Lab File: BF134705.D
Acq: 10 Aug 2023 12:20

Tgt Ion:240 Resp: 385939
Ion Ratio Lower Upper
240 100
120 10.4 6.6 10.0#
236 25.4 20.2 30.2





#78

Pyrene

Concen: 55.068 ng

RT: 12.780 min Scan# 1818

Delta R.T. 0.012 min

Lab File: BF134705.D

Acq: 10 Aug 2023 12:20

Instrument :

BNA_F

ClientSampleId :

B-PP21A

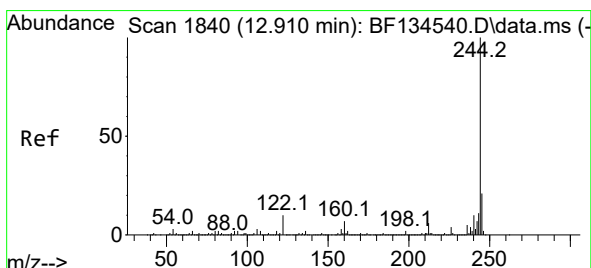
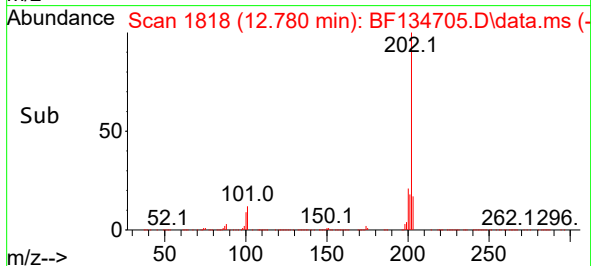
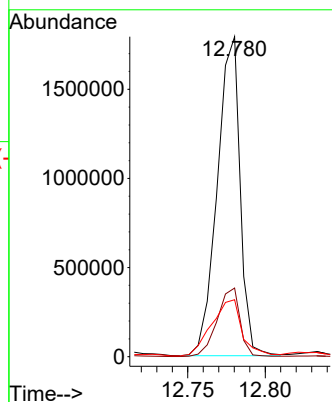
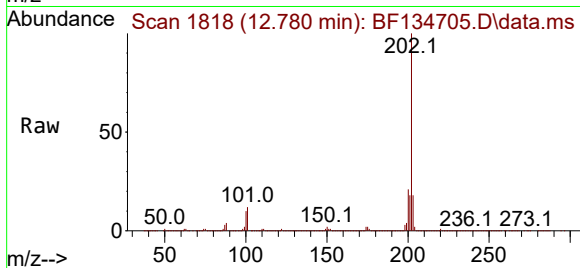
Tgt Ion:202 Resp: 1839034

Ion Ratio Lower Upper

202 100

200 21.4 15.8 23.8

203 17.8 13.5 20.3



#79

Terphenyl-d14

Concen: 59.085 ng

RT: 12.921 min Scan# 1842

Delta R.T. -0.000 min

Lab File: BF134705.D

Acq: 10 Aug 2023 12:20

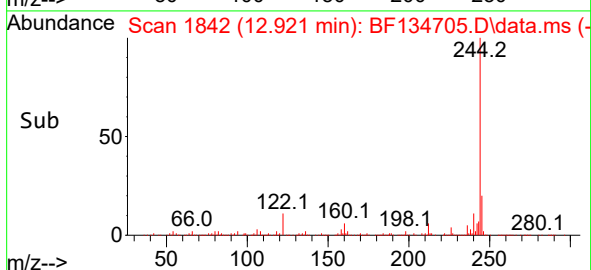
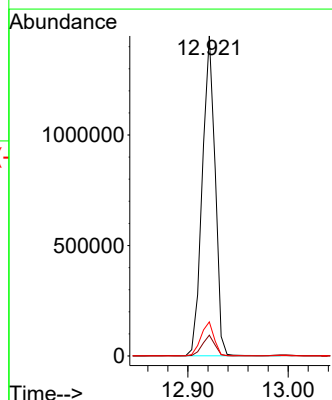
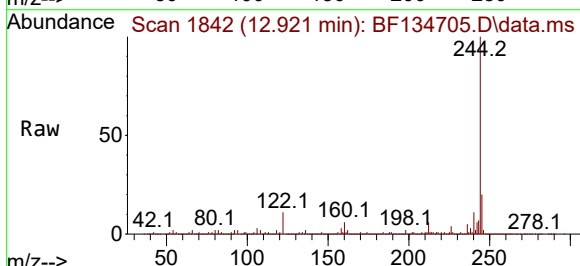
Tgt Ion:244 Resp: 1293525

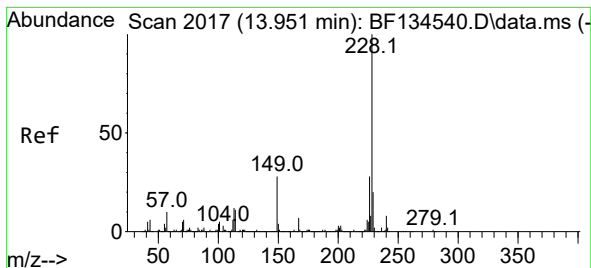
Ion Ratio Lower Upper

244 100

212 6.5 5.6 8.4

122 10.7 8.0 12.0





#81

Benzo(a)anthracene

Concen: 37.913 ng

RT: 13.968 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF134705.D

Acq: 10 Aug 2023 12:20

Instrument :

BNA_F

ClientSampleId :

B-PP21A

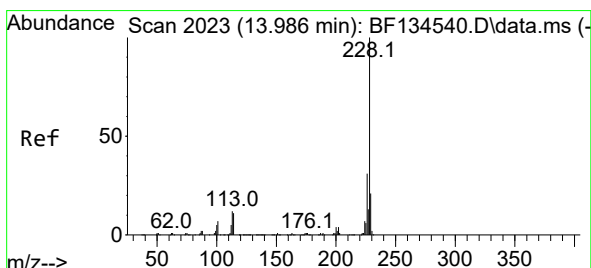
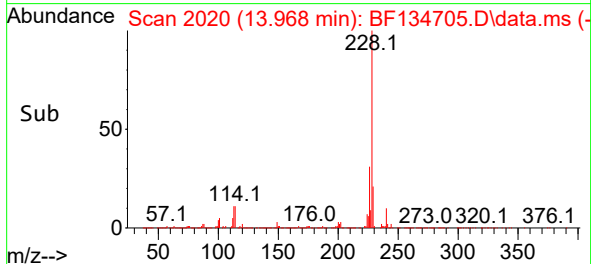
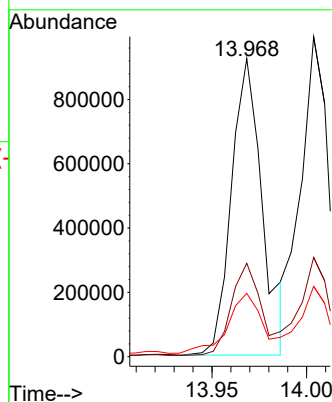
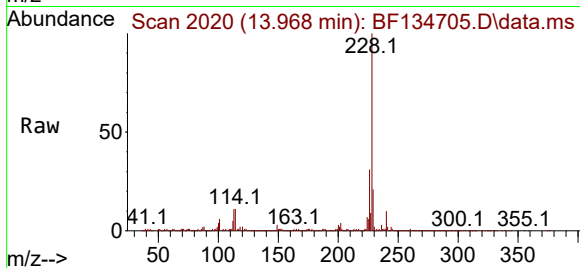
Tgt Ion:228 Resp: 1046265

Ion Ratio Lower Upper

228 100

226 31.4 22.3 33.5

229 21.3 15.8 23.6



#83

Chrysene

Concen: 36.761 ng

RT: 14.004 min Scan# 2026

Delta R.T. 0.006 min

Lab File: BF134705.D

Acq: 10 Aug 2023 12:20

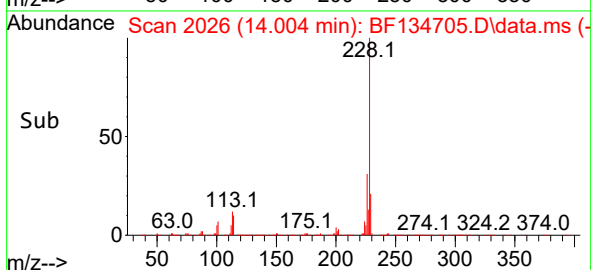
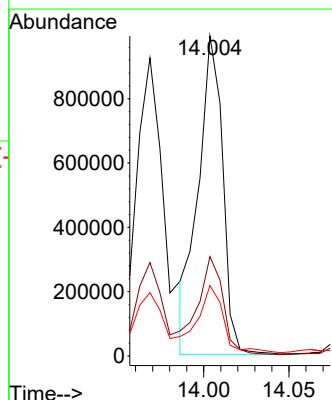
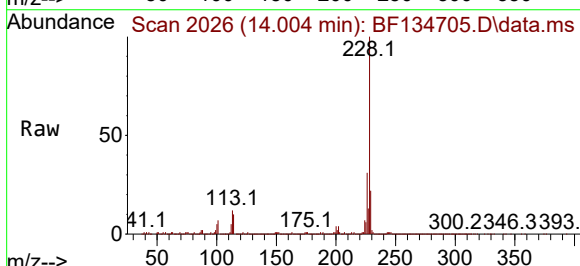
Tgt Ion:228 Resp: 988368

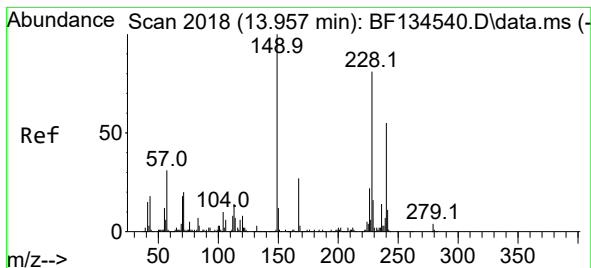
Ion Ratio Lower Upper

228 100

226 31.0 24.5 36.7

229 22.0 15.8 23.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.011 ng

RT: 13.968 min Scan# 2018

Delta R.T. 0.006 min

Lab File: BF134705.D

Acq: 10 Aug 2023 12:20

Instrument :

BNA_F

ClientSampleId :

B-PP21A

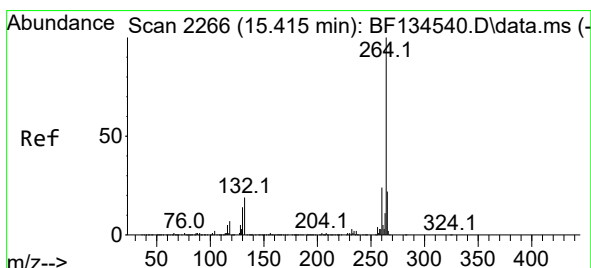
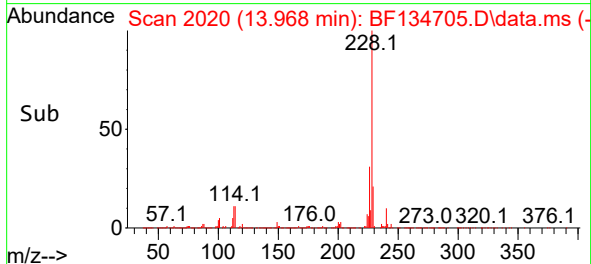
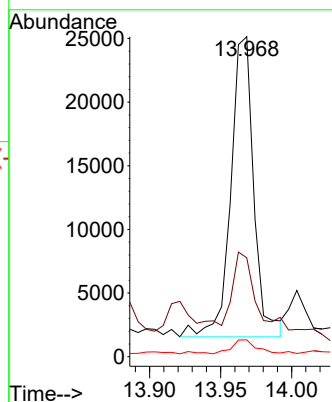
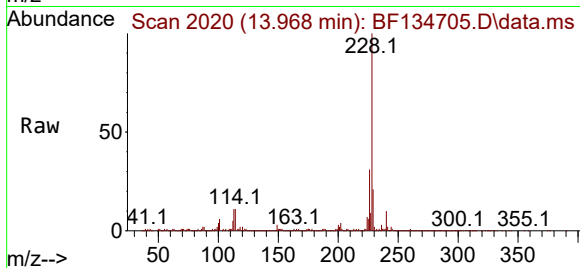
Tgt Ion:149 Resp: 26730

Ion Ratio Lower Upper

149 100

167 30.9 21.6 32.4

279 5.2 3.5 5.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 2272

Delta R.T. 0.012 min

Lab File: BF134705.D

Acq: 10 Aug 2023 12:20

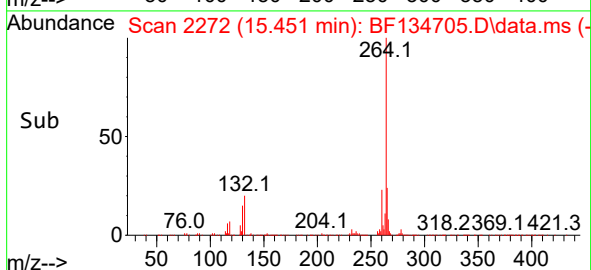
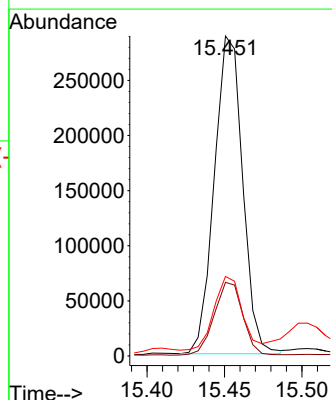
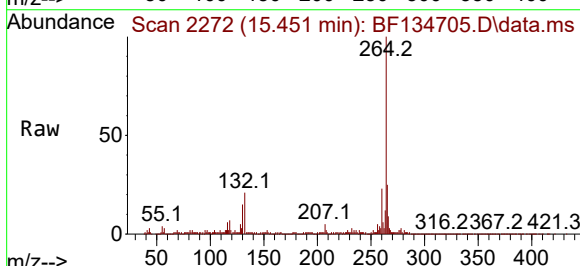
Tgt Ion:264 Resp: 366382

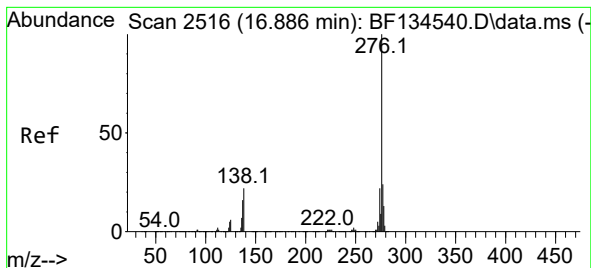
Ion Ratio Lower Upper

264 100

260 23.0 18.4 27.6

265 24.9 15.8 23.8#





#87

Indeno(1,2,3-cd)pyrene

Concen: 19.034 ng

RT: 16.951 min Scan# 21

Delta R.T. 0.023 min

Lab File: BF134705.D

Acq: 10 Aug 2023 12:20

Instrument :

BNA_F

ClientSampleId :

B-PP21A

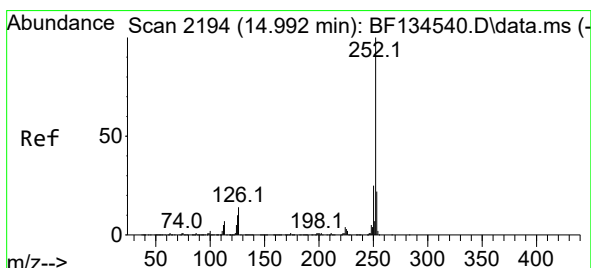
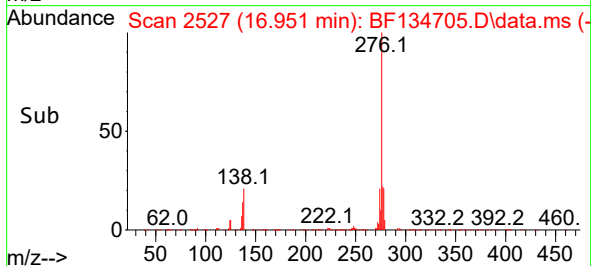
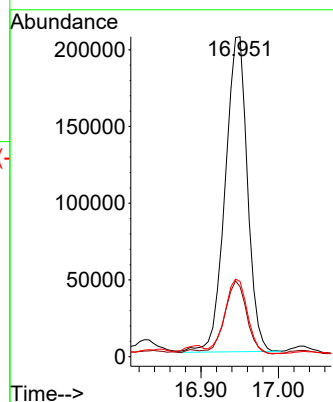
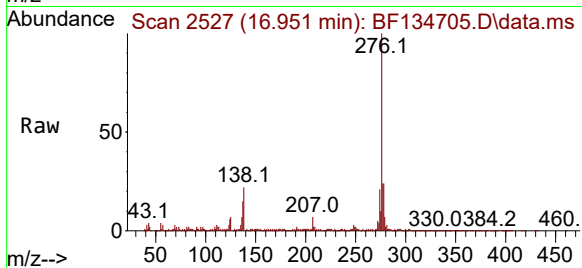
Tgt Ion:276 Resp: 410143

Ion Ratio Lower Upper

276 100

138 22.5 14.2 21.4#

277 23.8 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 54.721 ng

RT: 15.027 min Scan# 2200

Delta R.T. 0.018 min

Lab File: BF134705.D

Acq: 10 Aug 2023 12:20

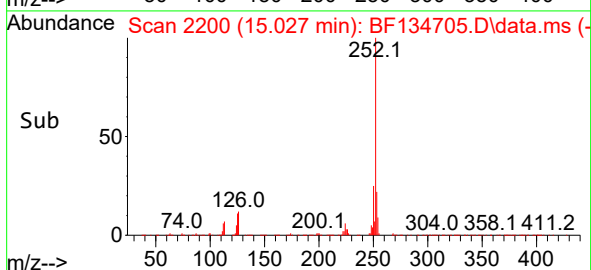
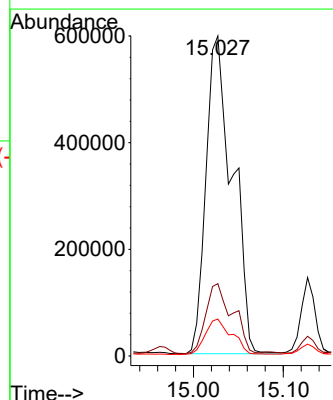
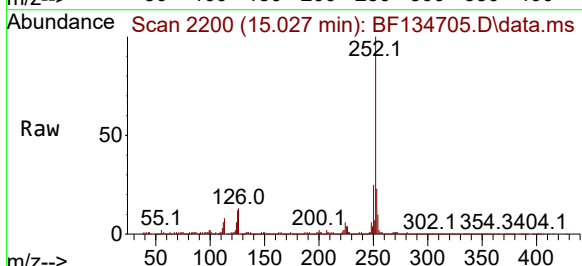
Tgt Ion:252 Resp: 1222766

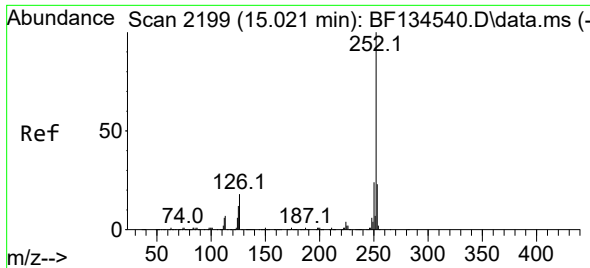
Ion Ratio Lower Upper

252 100

253 22.6 17.3 25.9

125 11.6 6.0 9.0#

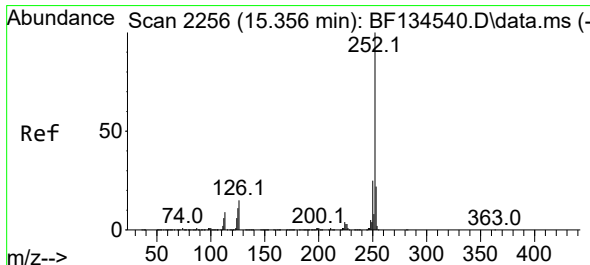
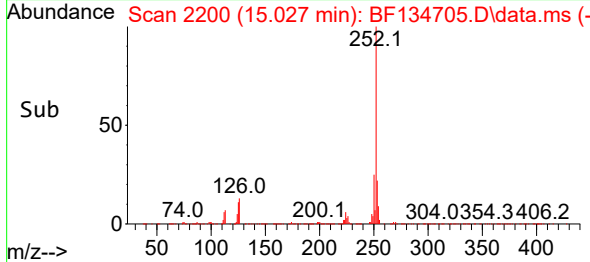
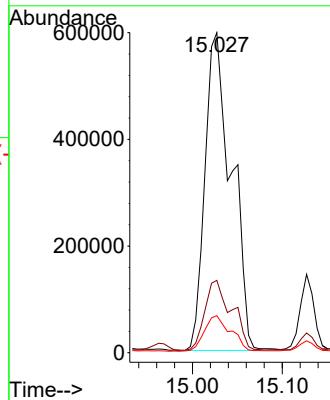
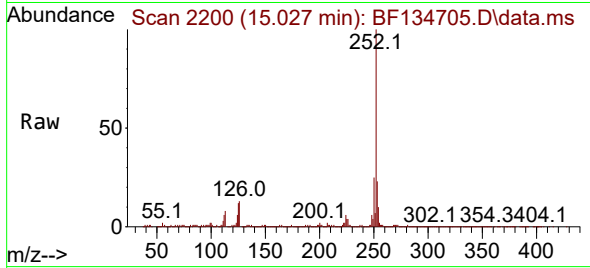




#89
Benzo(k)fluoranthene
Concen: 54.932 ng
RT: 15.027 min Scan# 2199
Delta R.T. -0.012 min
Lab File: BF134705.D
Acq: 10 Aug 2023 12:20

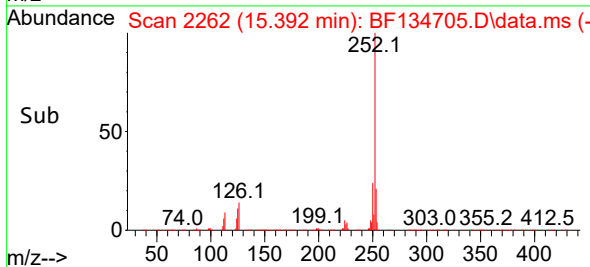
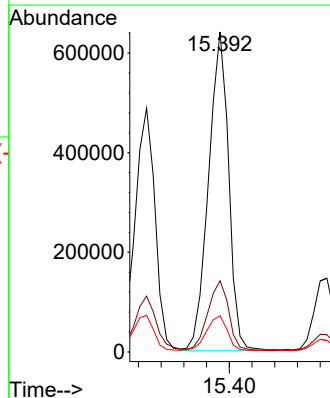
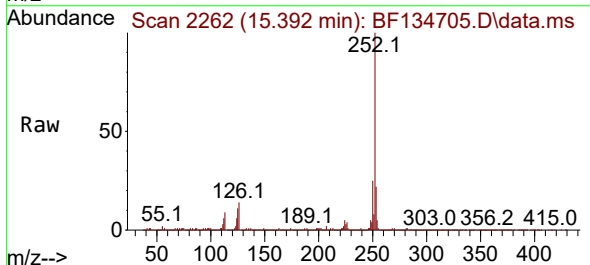
Instrument :
BNA_F
ClientSampleId :
B-PP21A

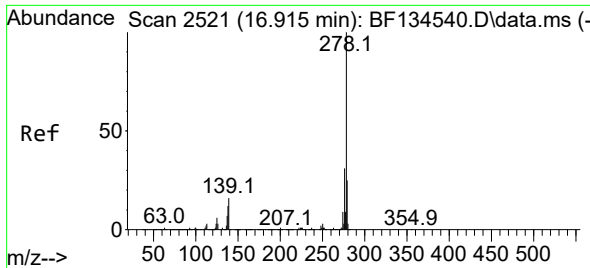
Tgt Ion:252 Resp: 1222766
Ion Ratio Lower Upper
252 100
253 22.6 17.9 26.9
125 11.6 6.3 9.5#



#90
Benzo(a)pyrene
Concen: 37.597 ng
RT: 15.392 min Scan# 2262
Delta R.T. 0.012 min
Lab File: BF134705.D
Acq: 10 Aug 2023 12:20

Tgt Ion:252 Resp: 783305
Ion Ratio Lower Upper
252 100
253 22.2 17.0 25.4
125 11.3 6.2 9.4#

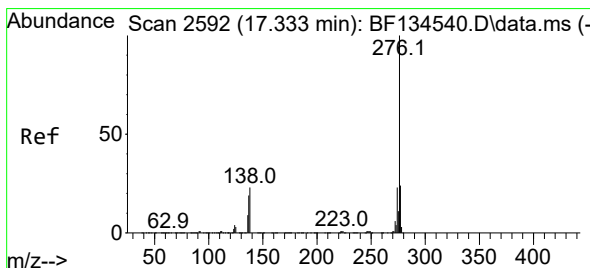
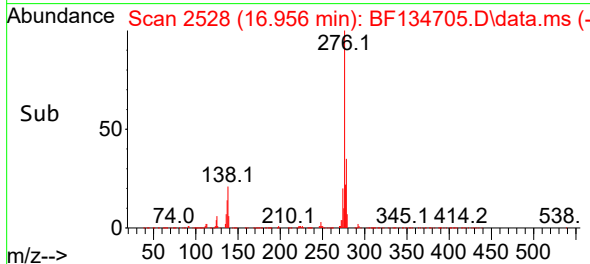
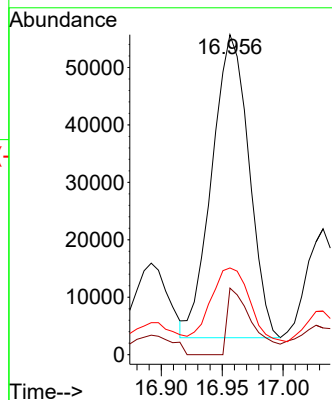
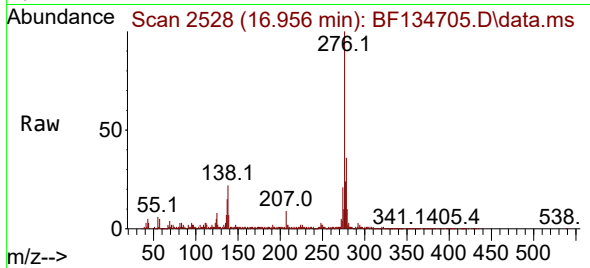




#91
Dibenzo(a,h)anthracene
Concen: 6.409 ng
RT: 16.956 min Scan# 211
Delta R.T. 0.006 min
Lab File: BF134705.D
Acq: 10 Aug 2023 12:20

Instrument :
BNA_F
ClientSampleId :
B-PP21A

Tgt Ion:278 Resp: 111605
Ion Ratio Lower Upper
278 100
139 20.8 10.0 15.0#
279 27.1 19.7 29.5



#92
Benzo(g,h,i)perylene
Concen: 25.340 ng
RT: 17.403 min Scan# 2604
Delta R.T. 0.029 min
Lab File: BF134705.D
Acq: 10 Aug 2023 12:20

Tgt Ion:276 Resp: 450121
Ion Ratio Lower Upper
276 100
277 24.1 19.0 28.6
138 23.1 12.2 18.2#

