

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080823\
 Data File : BF134672.D
 Acq On : 08 Aug 2023 15:22
 Operator : CG\JU
 Sample : 03917-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-PP05A

Quant Time: Aug 09 02:18:04 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)

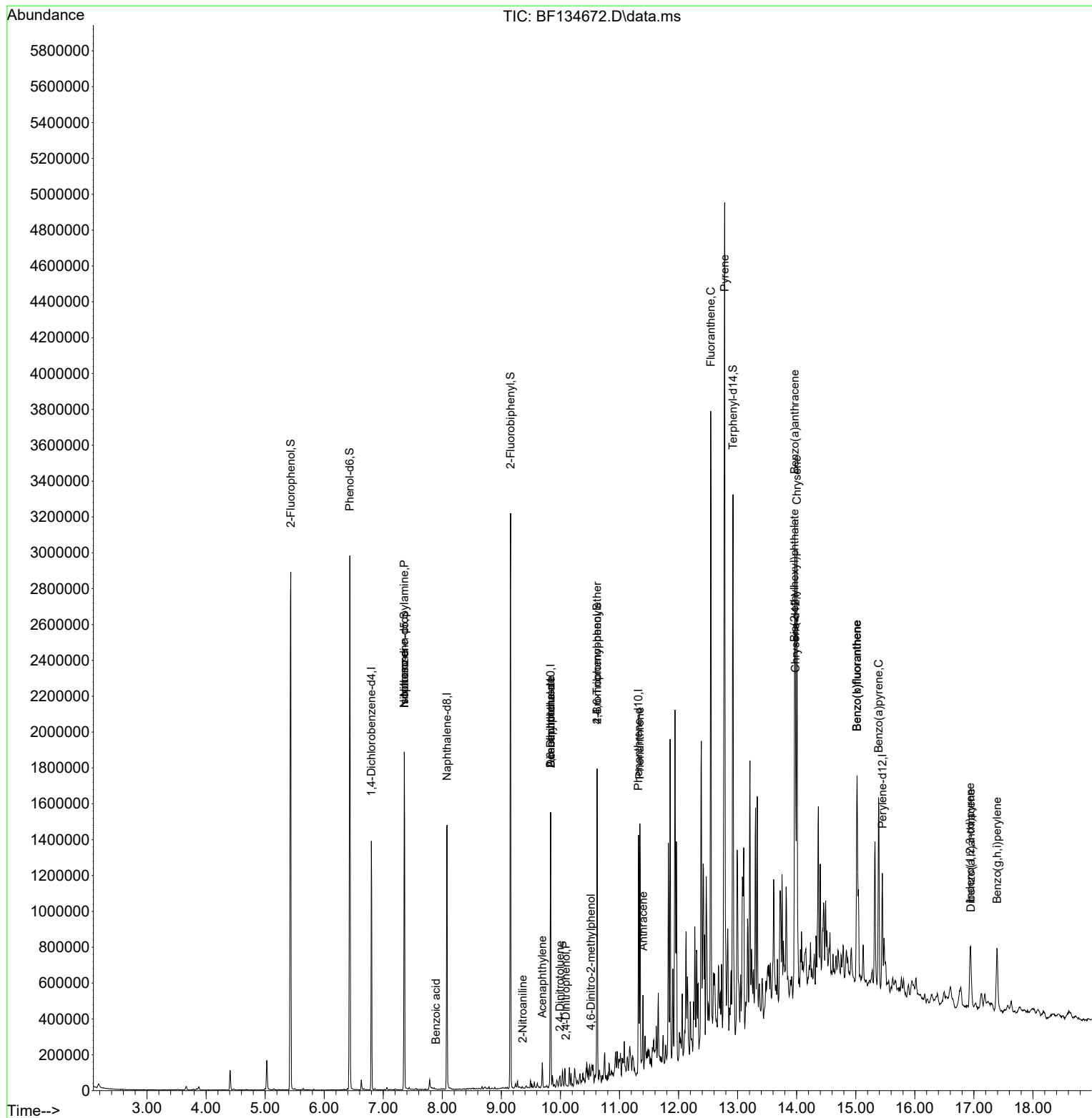
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	191148	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	668351	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	270847	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	476480	20.000	ng	# 0.00
76) Chrysene-d12	13.980	240	334861	20.000	ng	# 0.00
86) Perylene-d12	15.451	264	274387	20.000	ng	# 0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	823440	65.484	ng	0.00
7) Phenol-d6	6.434	99	1008997	62.771	ng	0.00
23) Nitrobenzene-d5	7.357	82	574267	53.696	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	190624	69.041	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	949737	58.303	ng	0.00
79) Terphenyl-d14	12.921	244	981681	51.680	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.351	77	944	Below Cal	#	75
19) n-Nitroso-di-n-propyla...	7.357	70	76230	7.921 ng	#	73
25) Isophorone	7.357	82	568229	24.360 ng	#	65
32) Benzoic acid	7.892	122	407	7.917 ng		93
48) 2-Nitroaniline	9.363	65	218	3.207 ng	#	8
49) Acenaphthylene	9.692	152	52323	2.109 ng		99
50) Dimethylphthalate	9.833	163	57225	3.100 ng	#	1
51) 2,6-Dinitrotoluene	9.833	165	36614	11.673 ng	#	17
54) 2,4-Dinitrophenol	10.092	184	79	6.851 ng	#	80
57) 2,4-Dinitrotoluene	9.992	165	2037	3.270 ng	#	42
65) 4,6-Dinitro-2-methylph...	10.516	198	173	8.772 ng	#	1
67) 4-Bromophenyl-phenylether	10.622	248	12552	2.406 ng	#	1
71) Phenanthrene	11.345	178	494813	19.551 ng		99
72) Anthracene	11.398	178	140076	5.418 ng		98
75) Fluoranthene	12.545	202	1331483	49.805 ng		94
78) Pyrene	12.780	202	2157934	74.473 ng		96
81) Benzo(a)anthracene	13.968	228	1031506	43.080 ng		96
83) Chrysene	14.004	228	933492	40.016 ng		98
84) Bis(2-ethylhexyl)phtha...	13.963	149	23644	2.051 ng		94
87) Indeno(1,2,3-cd)pyrene	16.939	276	259552	16.084 ng	#	94
88) Benzo(b)fluoranthene	15.021	252	807639	48.262 ng	#	95
89) Benzo(k)fluoranthene	15.021	252	807639	48.447 ng	#	96
90) Benzo(a)pyrene	15.386	252	544301	34.884 ng	#	93
91) Dibenzo(a,h)anthracene	16.951	278	72572	5.565 ng	#	85
92) Benzo(g,h,i)perylene	17.392	276	294074	22.105 ng	#	90

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

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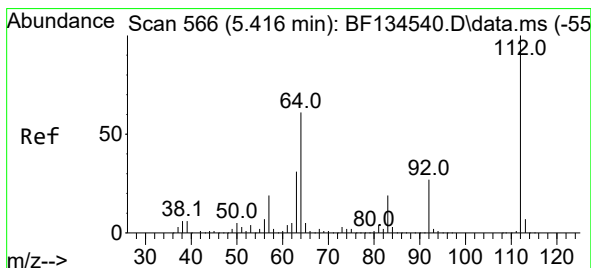
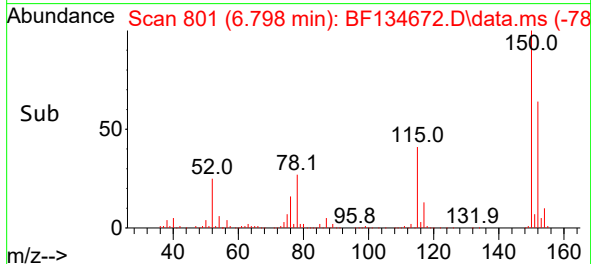
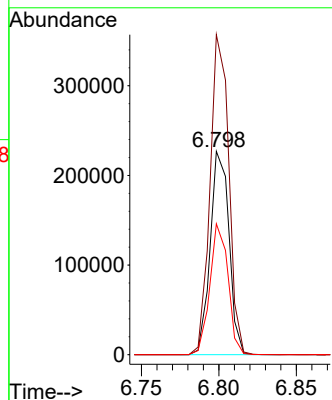
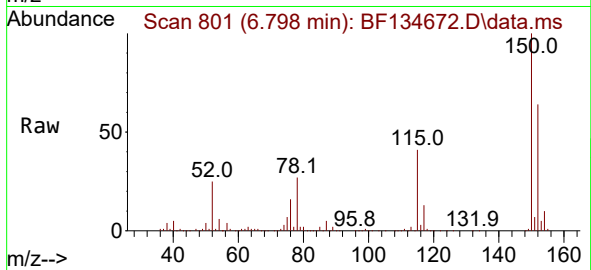




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.798 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: BF134672.D
 Acq: 08 Aug 2023 15:22

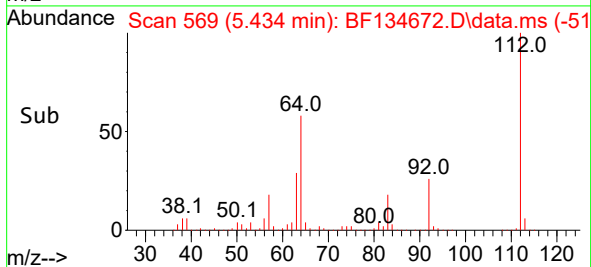
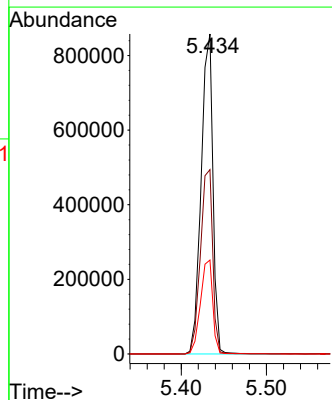
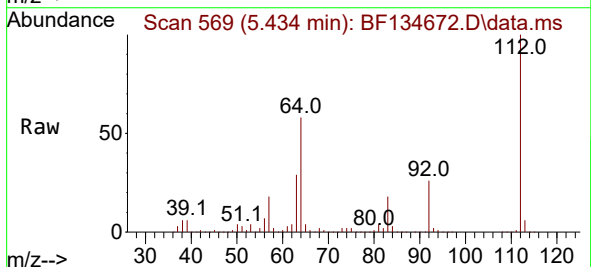
Instrument :
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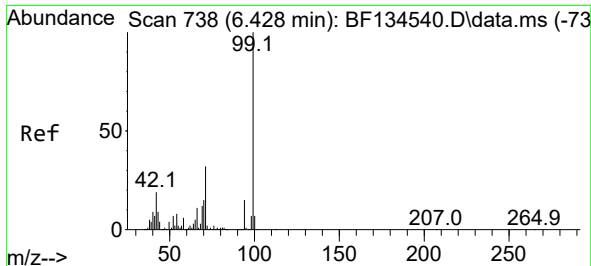
Tgt Ion:152 Resp: 191148
 Ion Ratio Lower Upper
 152 100
 150 157.4 128.3 192.5
 115 64.4 52.4 78.6



#5
 2-Fluorophenol
 Concen: 65.484 ng
 RT: 5.434 min Scan# 569
 Delta R.T. 0.006 min
 Lab File: BF134672.D
 Acq: 08 Aug 2023 15:22

Tgt Ion:112 Resp: 823440
 Ion Ratio Lower Upper
 112 100
 64 57.6 44.9 67.3
 63 29.4 25.4 38.0

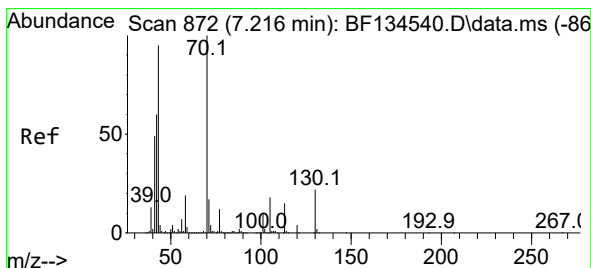
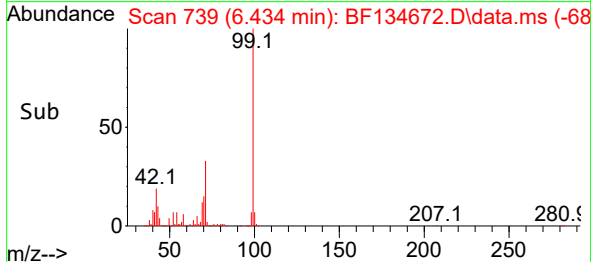
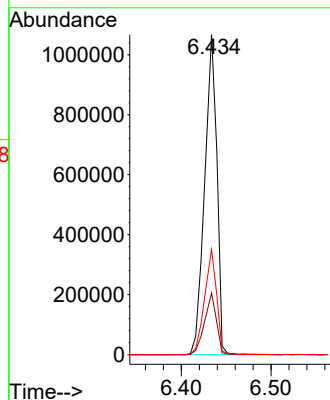
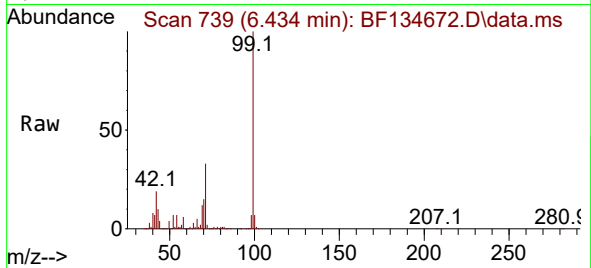




#7
Phenol-d6
Concen: 62.771 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF134672.D
Acq: 08 Aug 2023 15:22

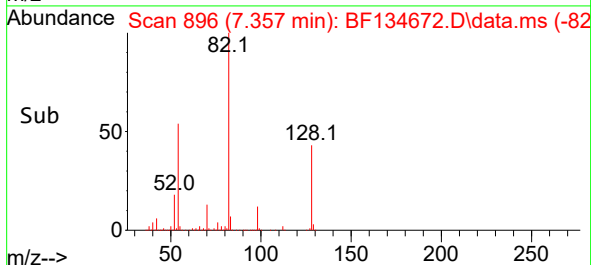
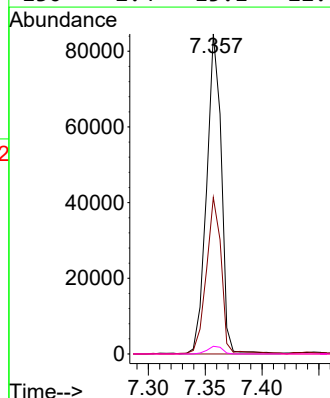
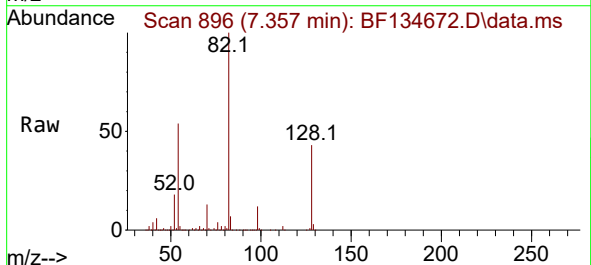
Instrument :
BNA_F
ClientSampleId :
B-PP05A

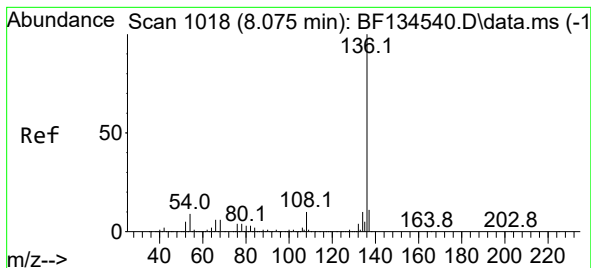
Tgt Ion: 99 Resp: 1008997
Ion Ratio Lower Upper
99 100
42 19.3 18.7 28.1
71 32.9 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 7.921 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF134672.D
Acq: 08 Aug 2023 15:22

Tgt Ion: 70 Resp: 76230
Ion Ratio Lower Upper
70 100
42 48.9 54.7 82.1#
101 0.0 8.2 12.2#
130 2.4 15.1 22.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.081 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134672.D

Acq: 08 Aug 2023 15:22

Instrument :

BNA_F

ClientSampleId :

B-PP05A

Tgt Ion:136 Resp: 668351

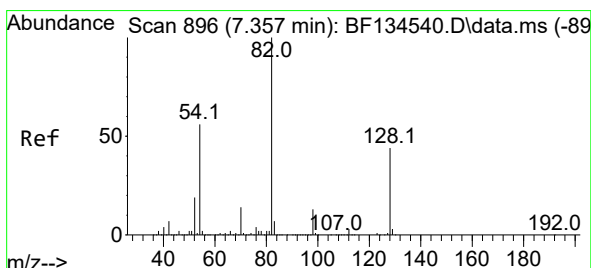
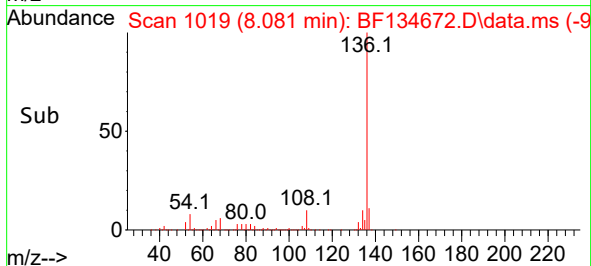
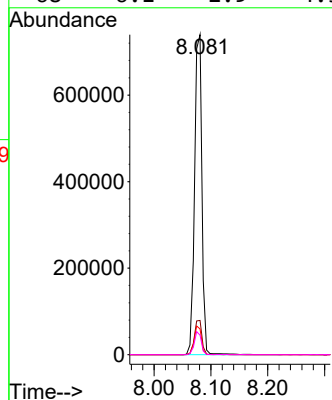
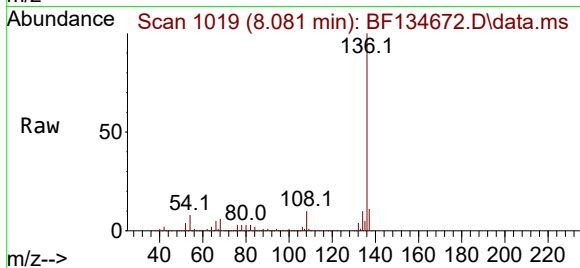
Ion Ratio Lower Upper

136 100

137 10.7 8.4 12.6

54 8.0 5.2 7.8#

68 6.1 2.9 4.3#



#23

Nitrobenzene-d5

Concen: 53.696 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF134672.D

Acq: 08 Aug 2023 15:22

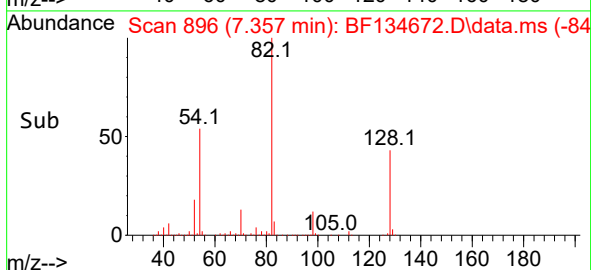
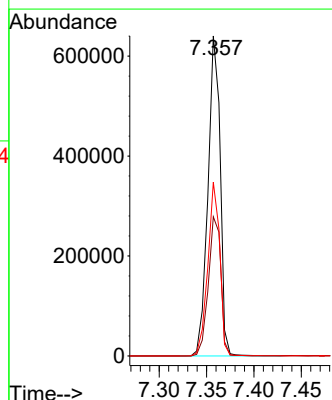
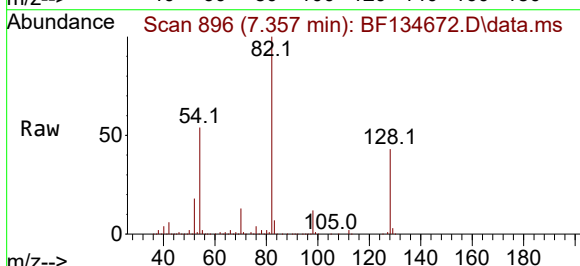
Tgt Ion: 82 Resp: 574267

Ion Ratio Lower Upper

82 100

128 43.5 34.3 51.5

54 54.3 43.8 65.6

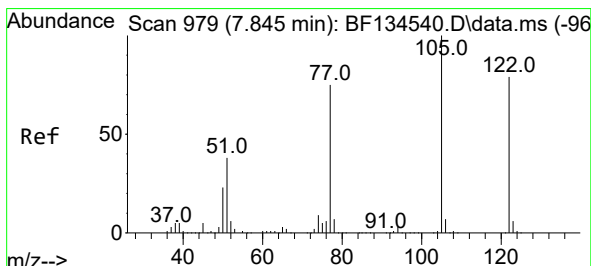
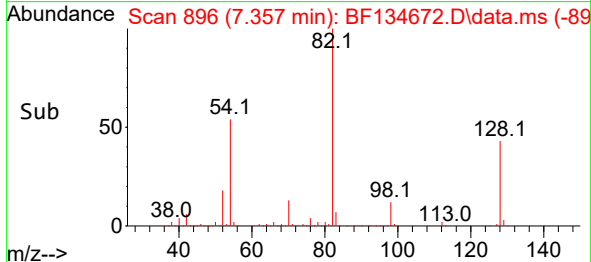
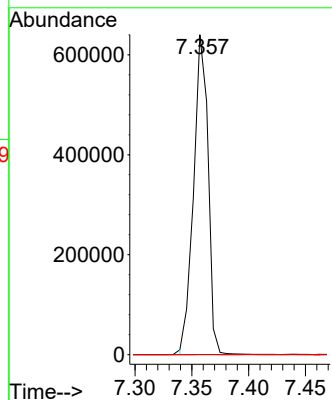
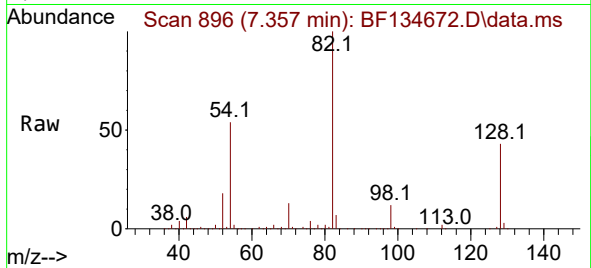




#25
Isophorone
Concen: 24.360 ng
RT: 7.357 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF134672.D
Acq: 08 Aug 2023 15:22

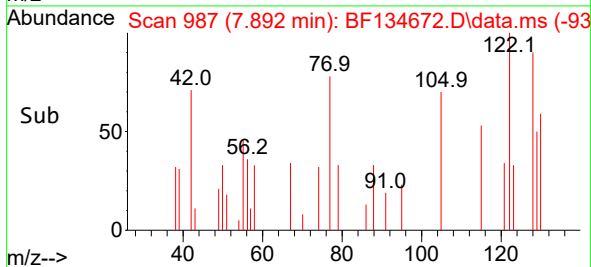
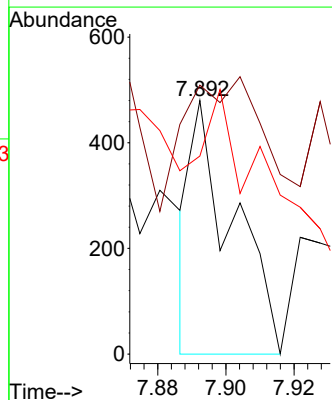
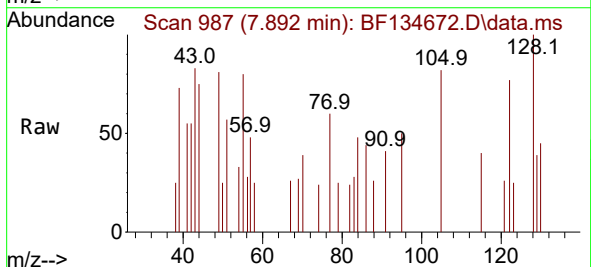
Instrument :
BNA_F
ClientSampleId :
B-PP05A

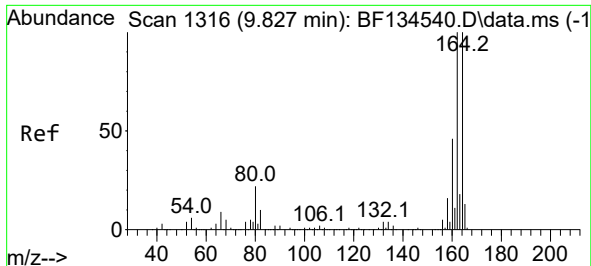
Tgt Ion: 82 Resp: 568229
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.917 ng
RT: 7.892 min Scan# 987
Delta R.T. 0.029 min
Lab File: BF134672.D
Acq: 08 Aug 2023 15:22

Tgt Ion: 122 Resp: 407
Ion Ratio Lower Upper
122 100
105 106.0 87.5 127.5
77 78.1 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: BF134672.D

Acq: 08 Aug 2023 15:22

Instrument :

BNA_F

ClientSampleId :

B-PP05A

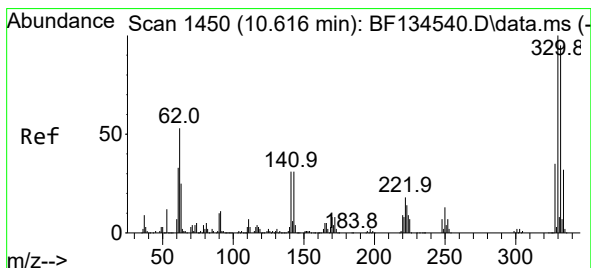
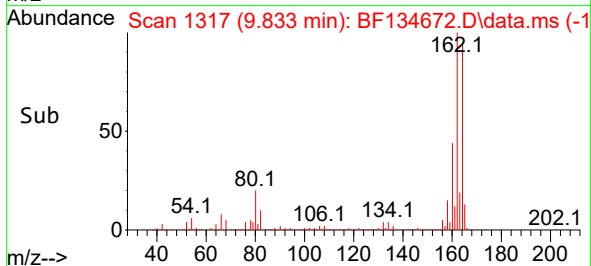
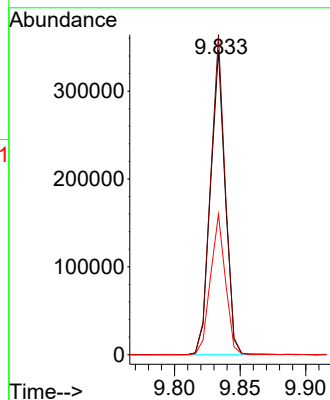
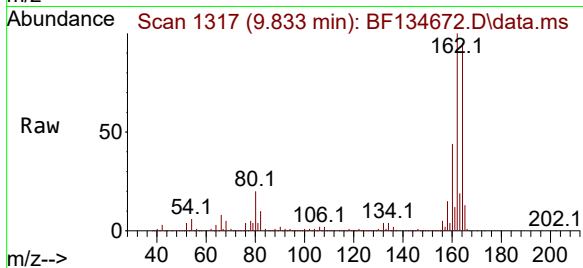
Tgt Ion:164 Resp: 270847

Ion Ratio Lower Upper

164 100

162 105.1 82.6 123.8

160 46.1 37.2 55.8



#42

2,4,6-Tribromophenol

Concen: 69.041 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF134672.D

Acq: 08 Aug 2023 15:22

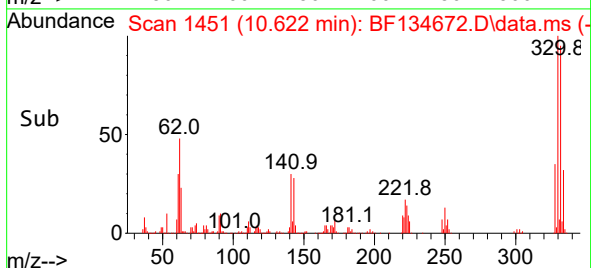
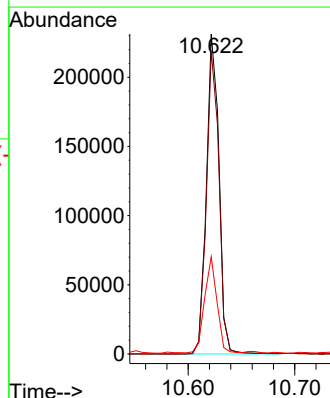
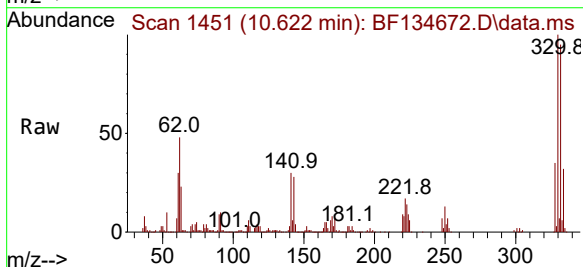
Tgt Ion:330 Resp: 190624

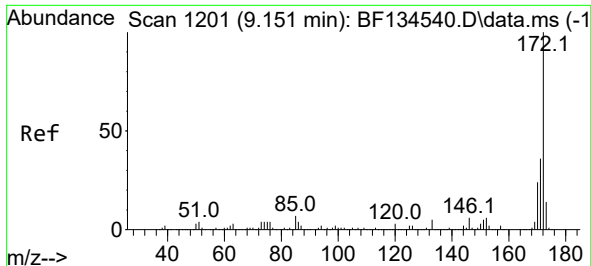
Ion Ratio Lower Upper

330 100

332 94.6 78.8 118.2

141 29.3 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 58.303 ng

RT: 9.157 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134672.D

Acq: 08 Aug 2023 15:22

Instrument :

BNA_F

ClientSampleId :

B-PP05A

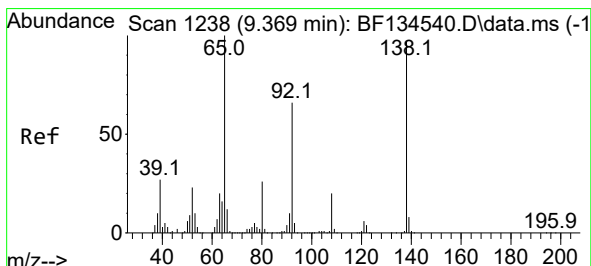
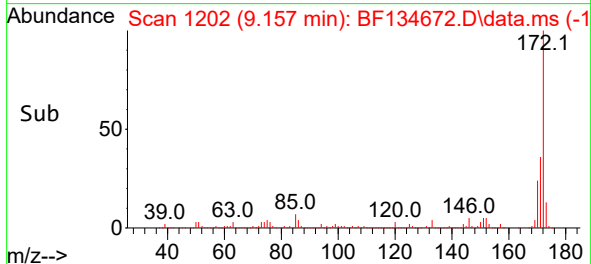
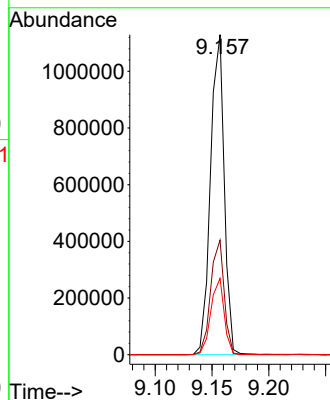
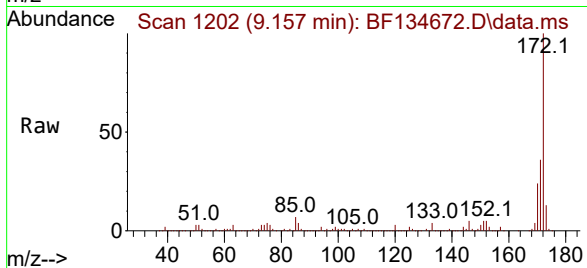
Tgt Ion:172 Resp: 949737

Ion Ratio Lower Upper

172 100

171 35.8 28.8 43.2

170 23.8 18.7 28.1



#48

2-Nitroaniline

Concen: 3.207 ng

RT: 9.363 min Scan# 1237

Delta R.T. -0.018 min

Lab File: BF134672.D

Acq: 08 Aug 2023 15:22

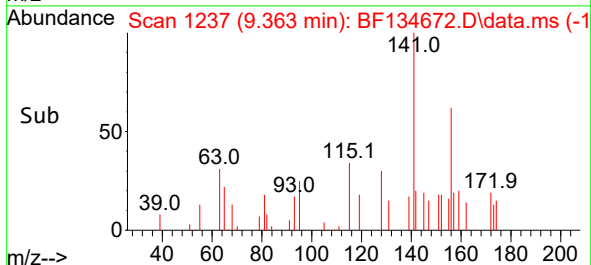
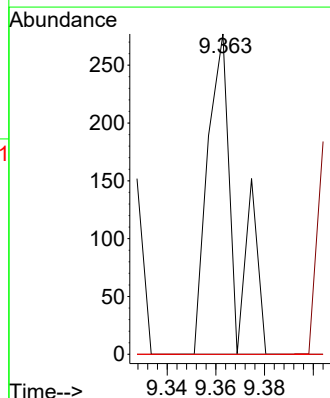
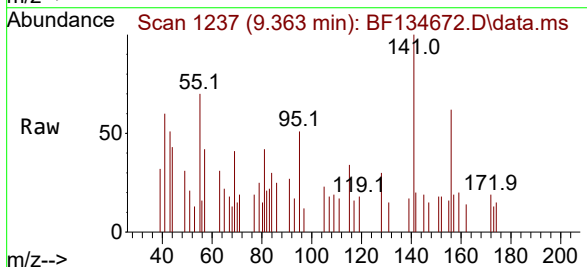
Tgt Ion: 65 Resp: 218

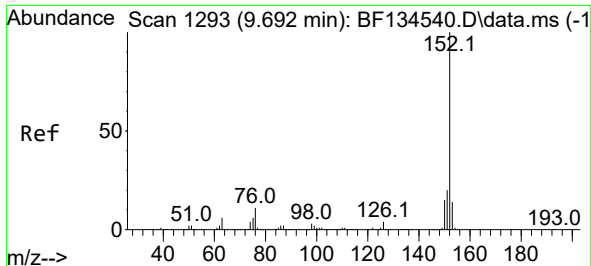
Ion Ratio Lower Upper

65 100

92 0.0 50.7 76.1#

138 0.0 78.2 117.4#

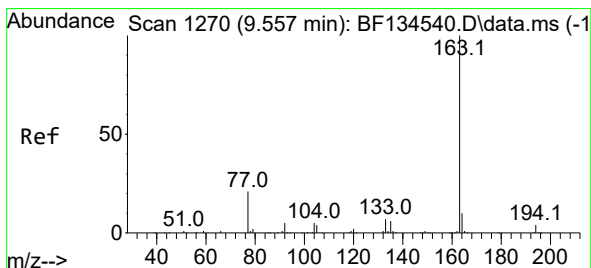
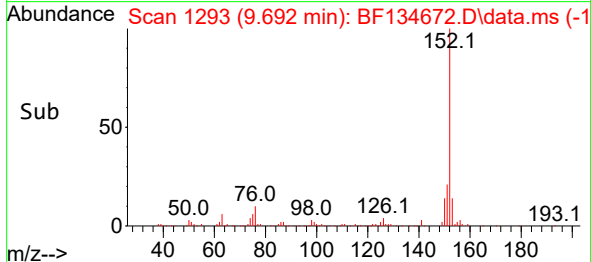
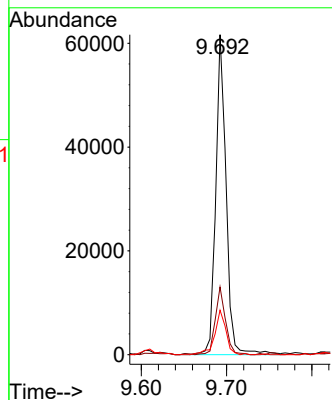
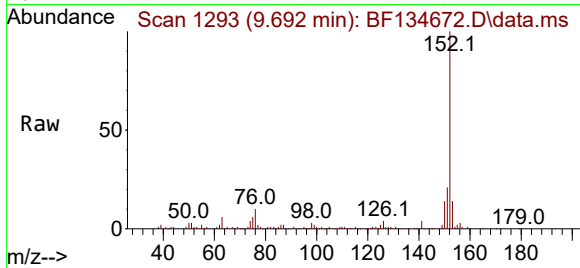




#49
Acenaphthylene
Concen: 2.109 ng
RT: 9.692 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134672.D
Acq: 08 Aug 2023 15:22

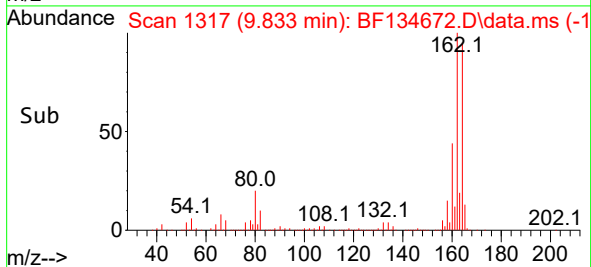
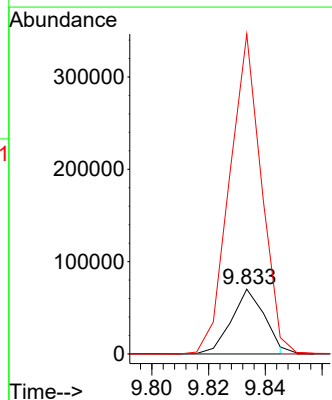
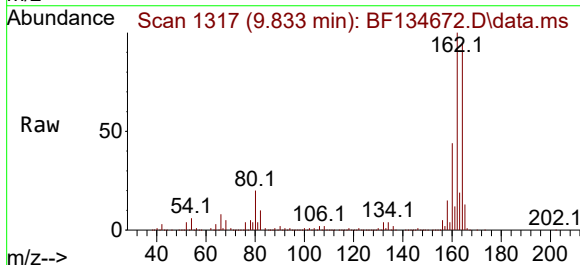
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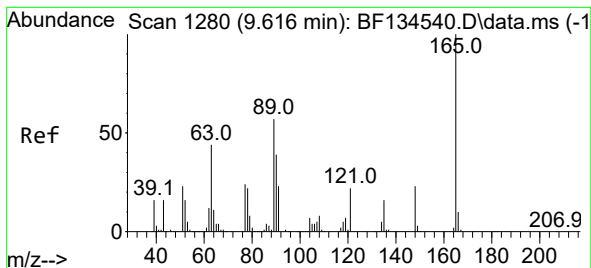
Tgt Ion:152 Resp: 52323
Ion Ratio Lower Upper
152 100
151 21.2 16.4 24.6
153 13.9 10.9 16.3



#50
Dimethylphthalate
Concen: 3.100 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.265 min
Lab File: BF134672.D
Acq: 08 Aug 2023 15:22

Tgt Ion:163 Resp: 57225
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 493.3 7.5 11.3#





#51

2,6-Dinitrotoluene

Concen: 11.673 ng

RT: 9.833 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF134672.D

Acq: 08 Aug 2023 15:22

Instrument :

BNA_F

ClientSampleId :

B-PP05A

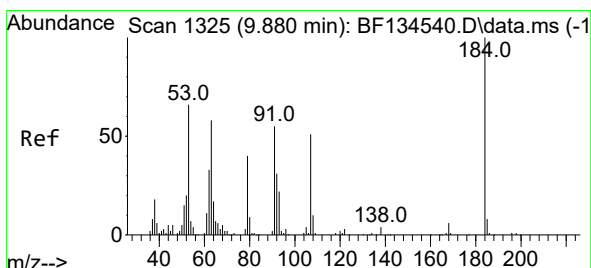
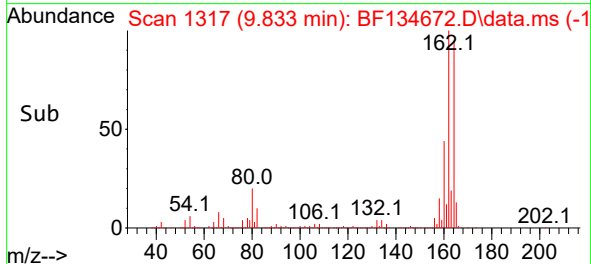
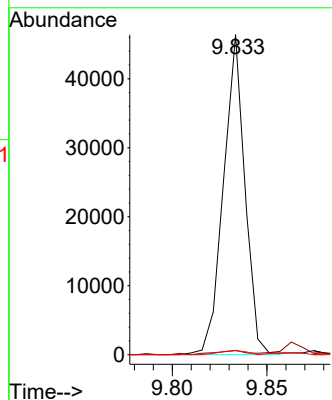
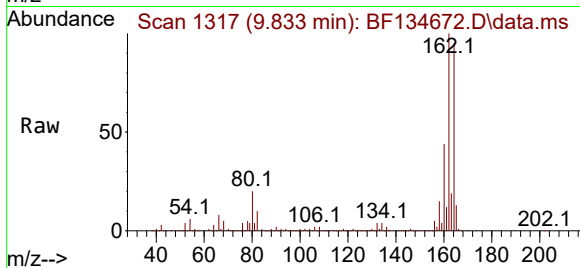
Tgt Ion:165 Resp: 36614

Ion Ratio Lower Upper

165 100

63 1.4 57.8 86.6#

89 1.2 51.8 77.8#



#54

2,4-Dinitrophenol

Concen: 6.851 ng

RT: 10.092 min Scan# 1361

Delta R.T. 0.194 min

Lab File: BF134672.D

Acq: 08 Aug 2023 15:22

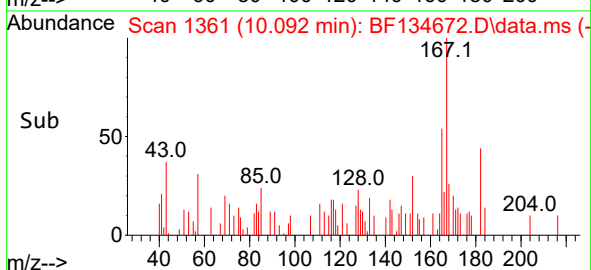
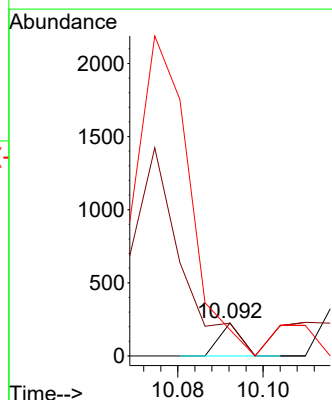
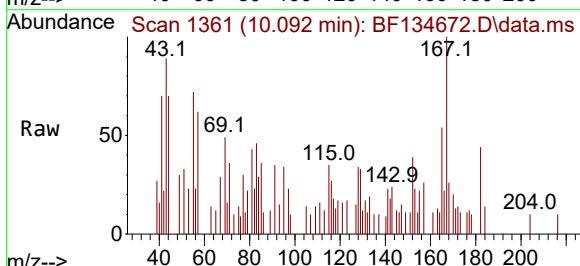
Tgt Ion:184 Resp: 79

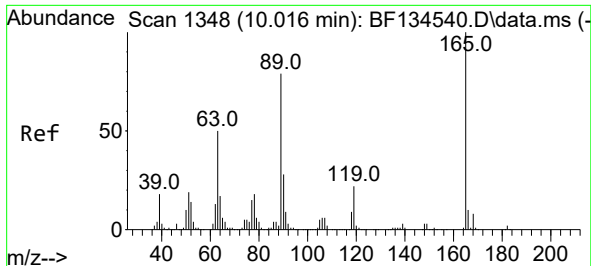
Ion Ratio Lower Upper

184 100

63 99.6 57.1 85.7#

154 79.6 59.1 88.7

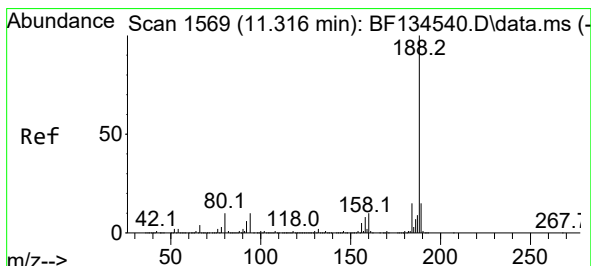
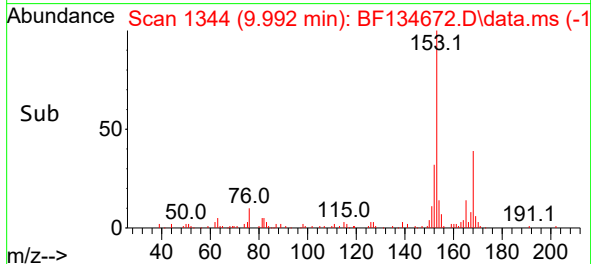
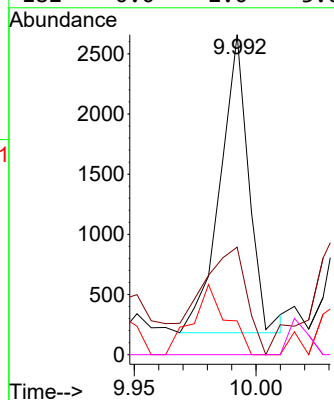
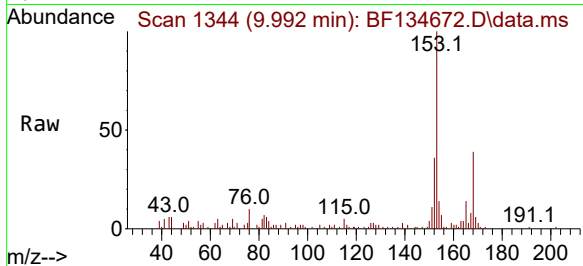




#57
2,4-Dinitrotoluene
Concen: 3.270 ng
RT: 9.992 min Scan# 11
Delta R.T. -0.035 min
Lab File: BF134672.D
Acq: 08 Aug 2023 15:22

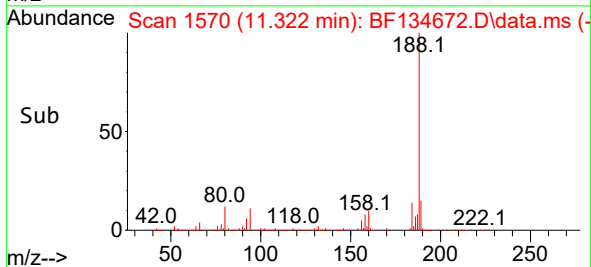
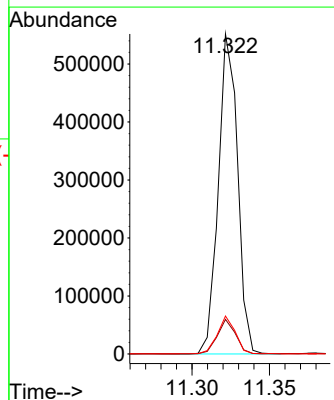
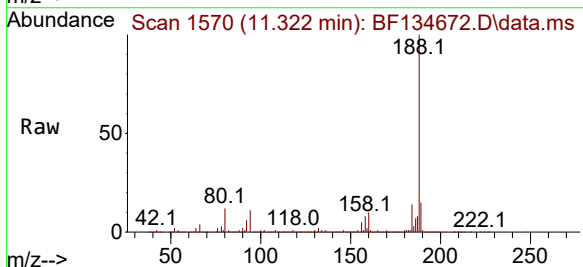
Instrument :
BNA_F
ClientSampleId :
B-PP05A

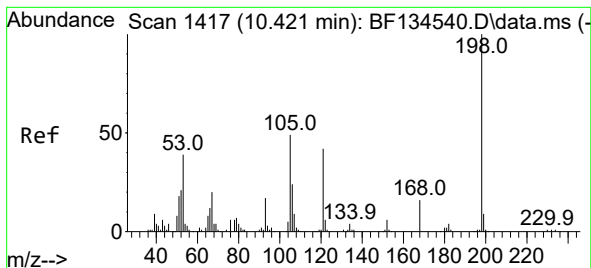
Tgt Ion:165 Resp: 2037
Ion Ratio Lower Upper
165 100
63 33.6 48.9 73.3#
89 10.6 61.7 92.5#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF134672.D
Acq: 08 Aug 2023 15:22

Tgt Ion:188 Resp: 476480
Ion Ratio Lower Upper
188 100
94 10.8 5.1 7.7#
80 11.8 6.6 9.8#

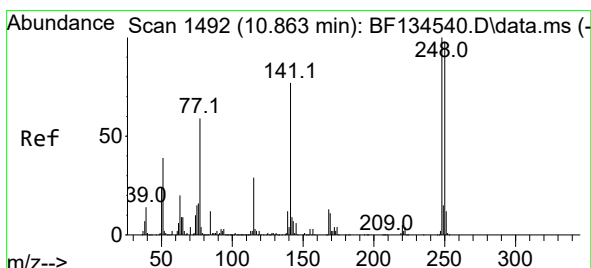
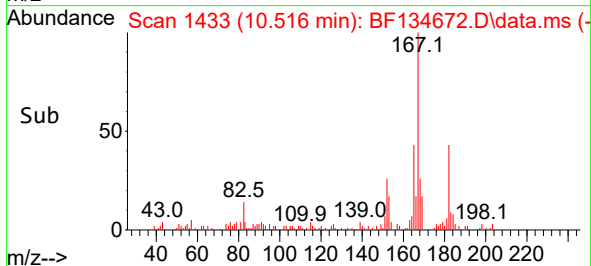
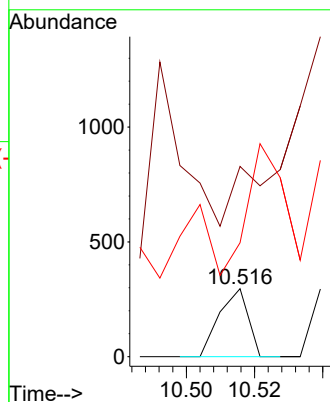
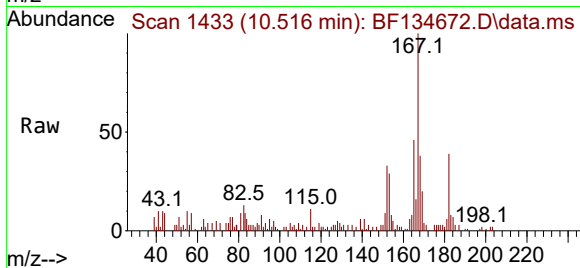




#65
4,6-Dinitro-2-methylphenol
Concen: 8.772 ng
RT: 10.516 min Scan# 1417
Delta R.T. 0.077 min
Lab File: BF134672.D
Acq: 08 Aug 2023 15:22

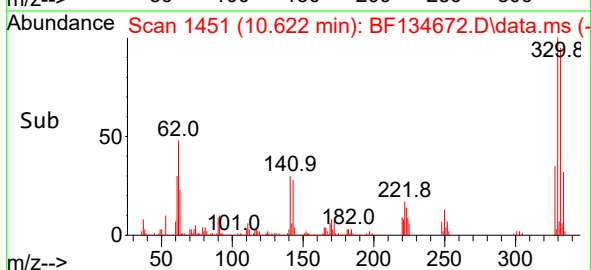
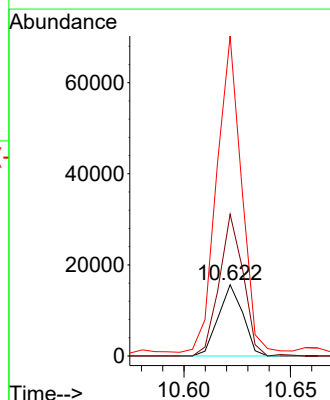
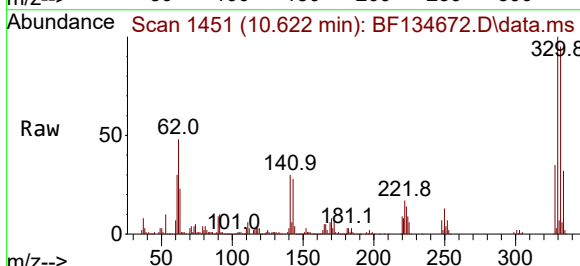
Instrument :
BNA_F
ClientSampleId :
B-PP05A

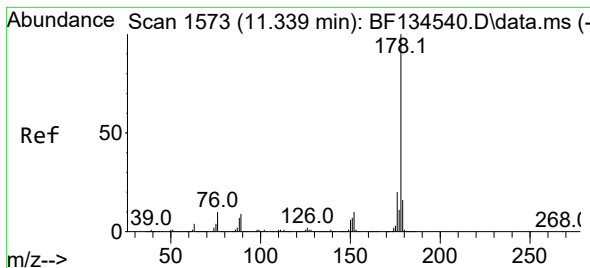
Tgt Ion:198 Resp: 173
Ion Ratio Lower Upper
198 100
51 280.1 38.6 78.6#
105 167.6 27.9 67.9#



#67
4-Bromophenyl-phenylether
Concen: 2.406 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.247 min
Lab File: BF134672.D
Acq: 08 Aug 2023 15:22

Tgt Ion:248 Resp: 12552
Ion Ratio Lower Upper
248 100
250 199.0 79.6 119.4#
141 449.1 59.6 89.4#





#71

Phenanthrene

Concen: 19.551 ng

RT: 11.345 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134672.D

Acq: 08 Aug 2023 15:22

Instrument :

BNA_F

ClientSampleId :

B-PP05A

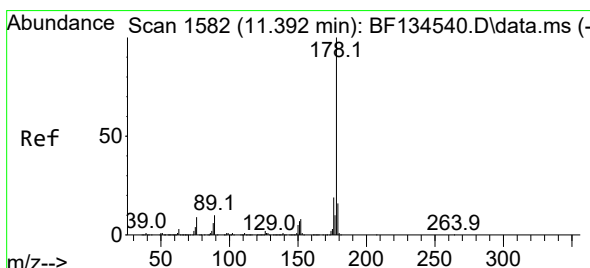
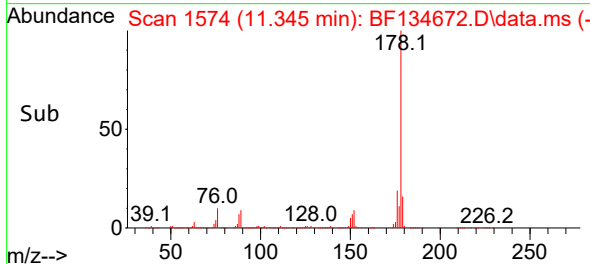
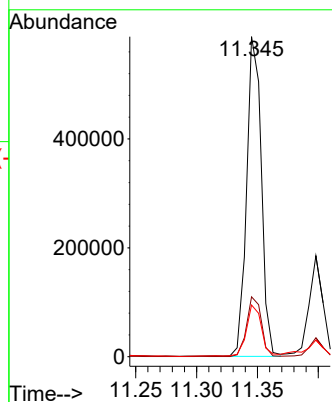
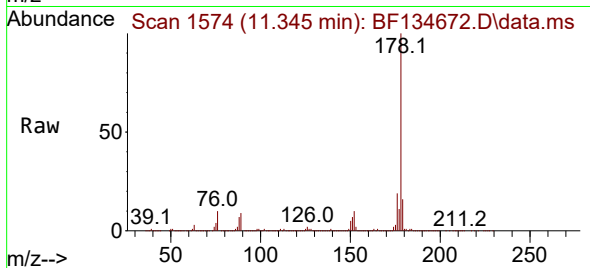
Tgt Ion:178 Resp: 494813

Ion Ratio Lower Upper

178 100

176 18.7 15.8 23.6

179 16.1 12.7 19.1



#72

Anthracene

Concen: 5.418 ng

RT: 11.398 min Scan# 1583

Delta R.T. -0.006 min

Lab File: BF134672.D

Acq: 08 Aug 2023 15:22

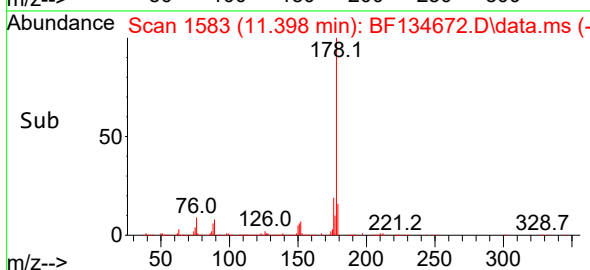
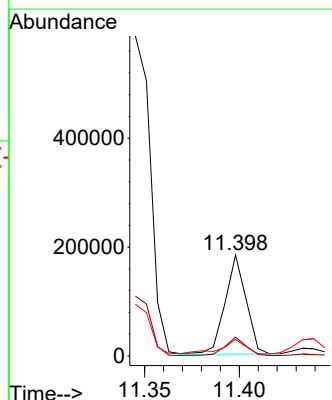
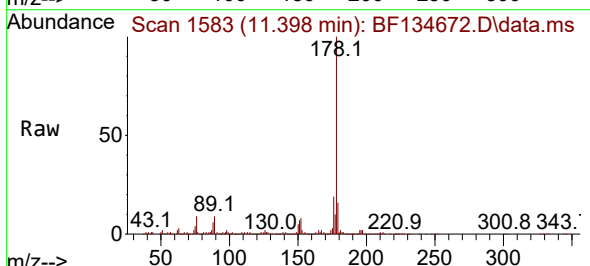
Tgt Ion:178 Resp: 140076

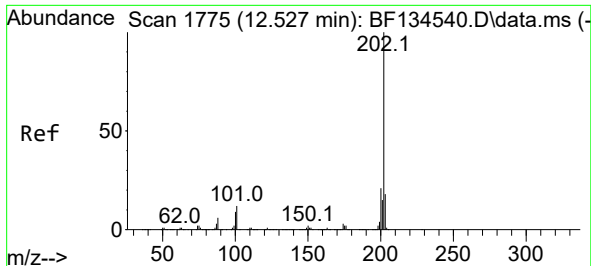
Ion Ratio Lower Upper

178 100

176 18.7 14.6 21.8

179 16.5 12.3 18.5

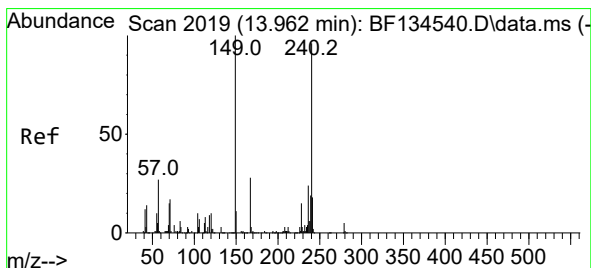
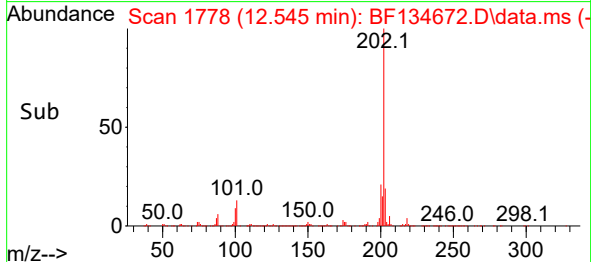
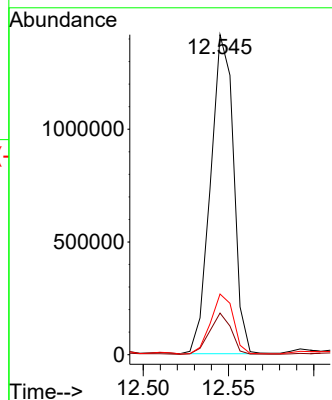
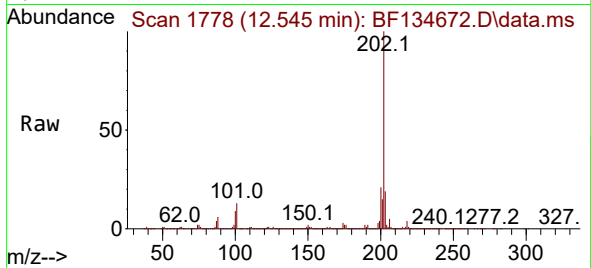




#75
Fluoranthene
Concen: 49.805 ng
RT: 12.545 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF134672.D
Acq: 08 Aug 2023 15:22

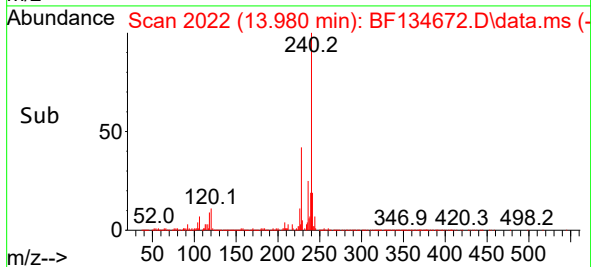
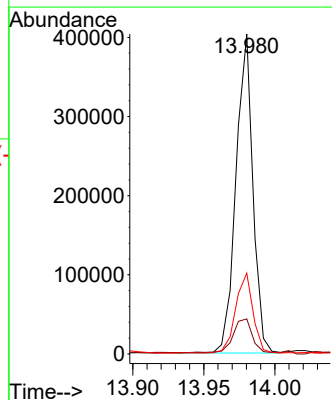
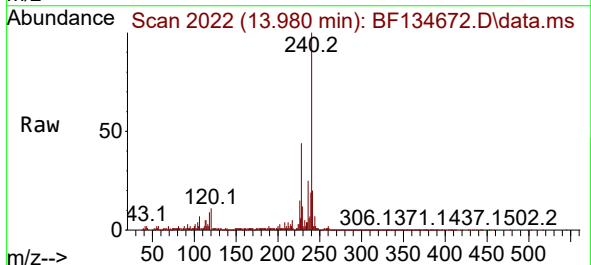
Instrument :
BNA_F
ClientSampleId :
B-PP05A

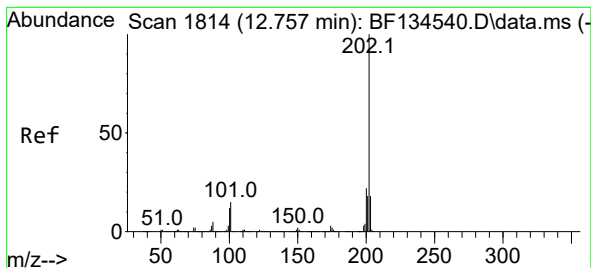
Tgt Ion:202 Resp: 1331483
Ion Ratio Lower Upper
202 100
101 13.0 0.0 28.5
203 19.0 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. 0.006 min
Lab File: BF134672.D
Acq: 08 Aug 2023 15:22

Tgt Ion:240 Resp: 334861
Ion Ratio Lower Upper
240 100
120 11.0 6.6 10.0#
236 25.3 20.2 30.2





#78

Pyrene

Concen: 74.473 ng

RT: 12.780 min Scan# 1814

Delta R.T. 0.012 min

Lab File: BF134672.D

Acq: 08 Aug 2023 15:22

Instrument :

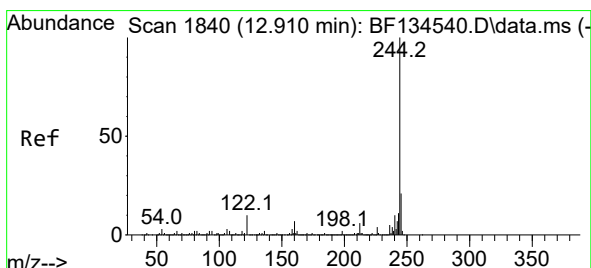
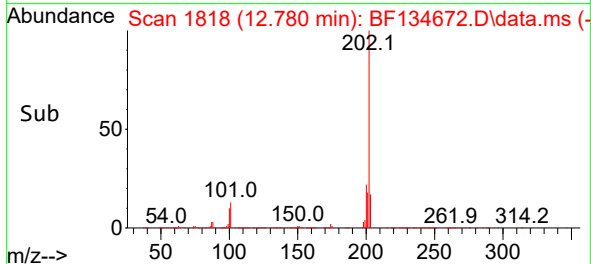
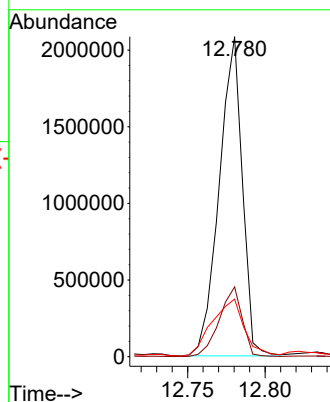
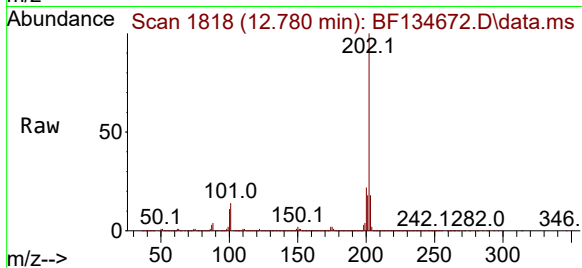
BNA_F

ClientSampleId :

B-PP05A

Tgt Ion:202 Resp: 2157934

Ion	Ratio	Lower	Upper
202	100		
200	21.8	15.8	23.8
203	18.0	13.5	20.3



#79

Terphenyl-d14

Concen: 51.680 ng

RT: 12.921 min Scan# 1842

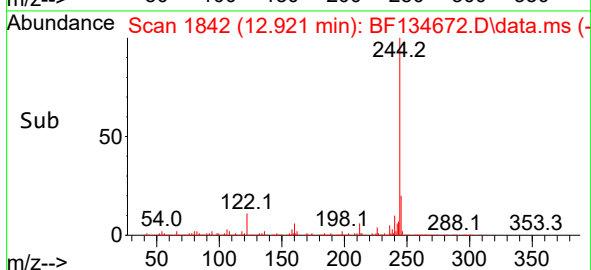
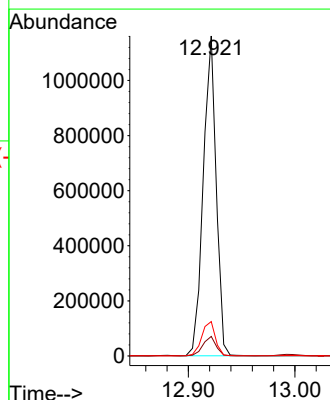
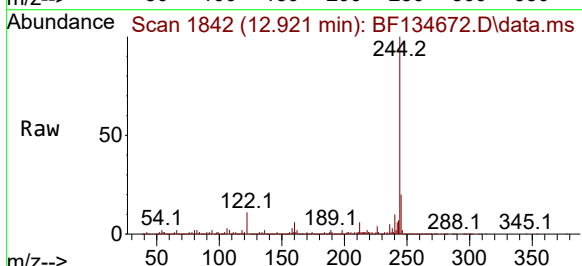
Delta R.T. 0.000 min

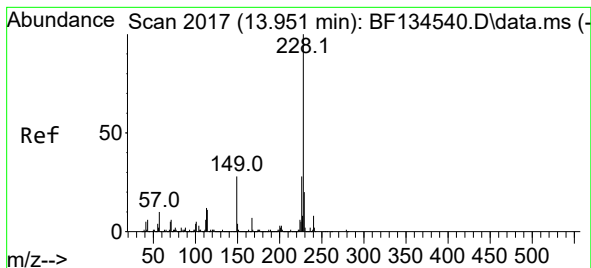
Lab File: BF134672.D

Acq: 08 Aug 2023 15:22

Tgt Ion:244 Resp: 981681

Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.6	8.4
122	10.7	8.0	12.0





#81

Benzo(a)anthracene

Concen: 43.080 ng

RT: 13.968 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF134672.D

Acq: 08 Aug 2023 15:22

Instrument :

BNA_F

ClientSampleId :

B-PP05A

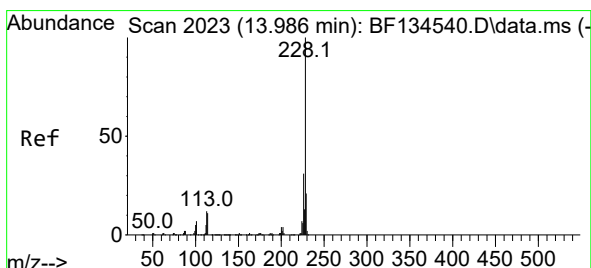
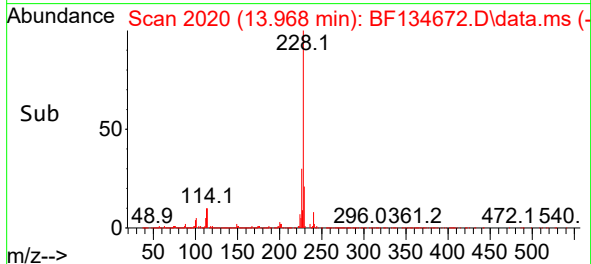
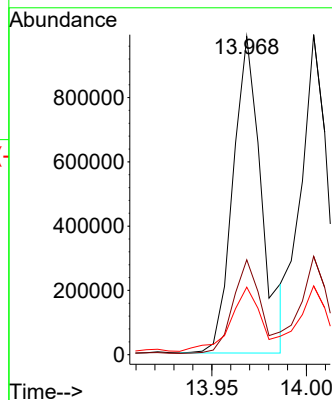
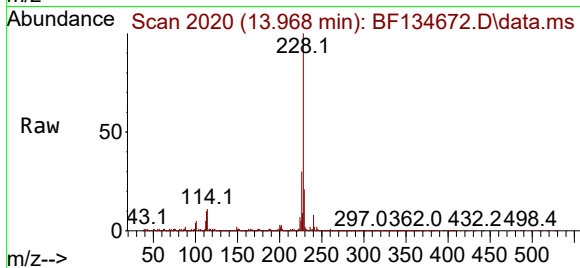
Tgt Ion:228 Resp: 1031506

Ion Ratio Lower Upper

228 100

226 29.9 22.3 33.5

229 21.2 15.8 23.6



#83

Chrysene

Concen: 40.016 ng

RT: 14.004 min Scan# 2026

Delta R.T. 0.006 min

Lab File: BF134672.D

Acq: 08 Aug 2023 15:22

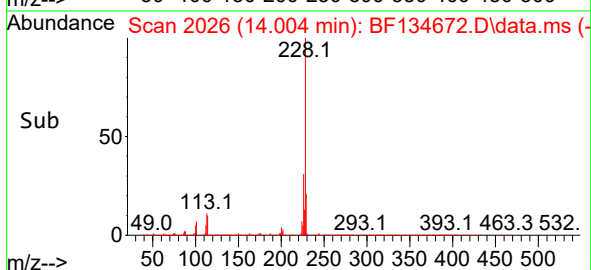
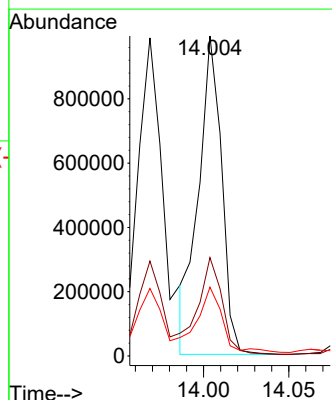
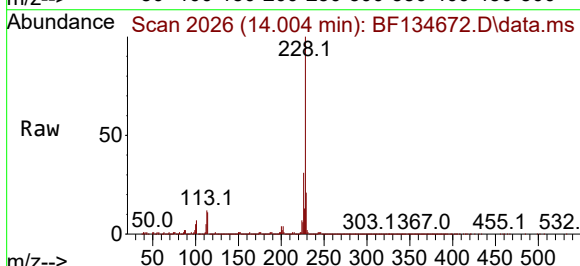
Tgt Ion:228 Resp: 933492

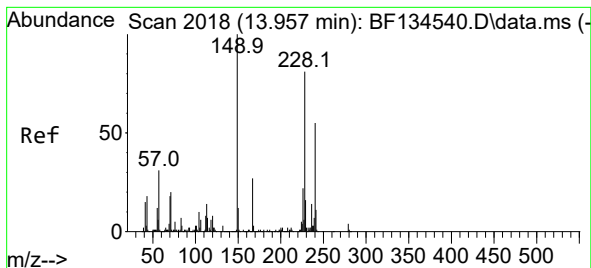
Ion Ratio Lower Upper

228 100

226 30.8 24.5 36.7

229 21.5 15.8 23.8

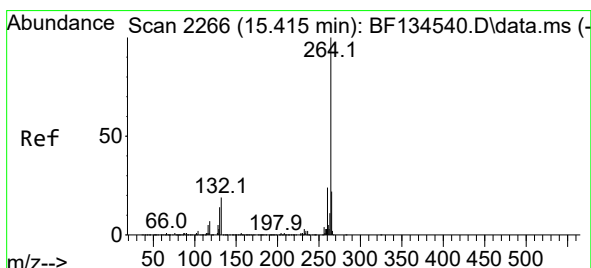
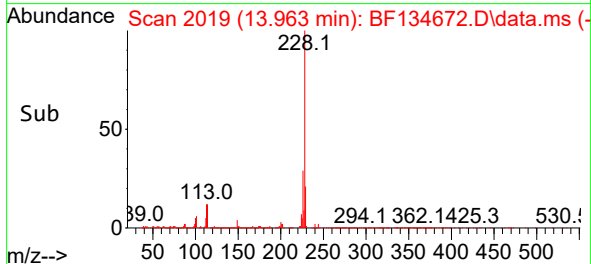
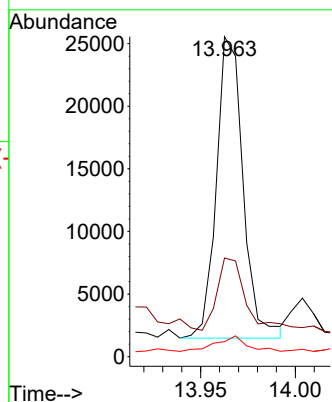
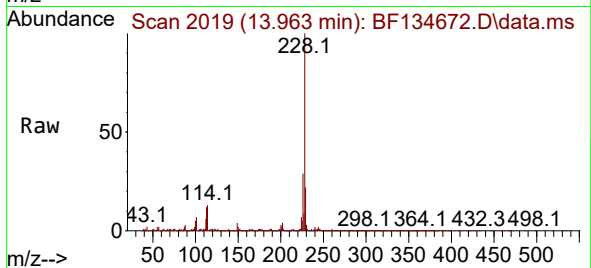




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.051 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF134672.D
Acq: 08 Aug 2023 15:22

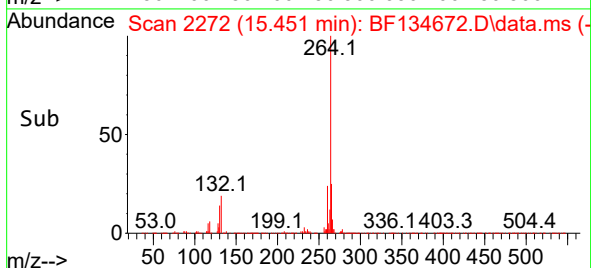
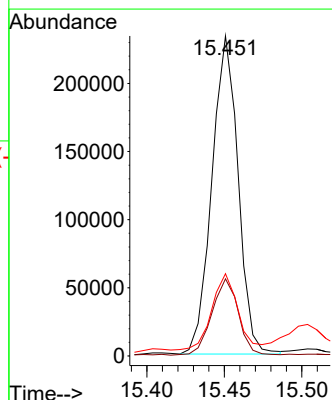
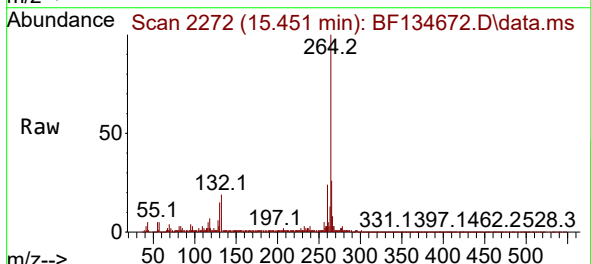
Instrument :
BNA_F
ClientSampleId :
B-PP05A

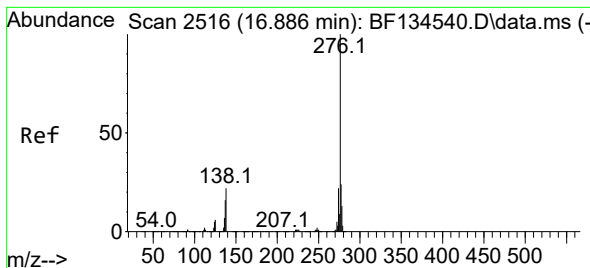
Tgt Ion:149 Resp: 23644
Ion Ratio Lower Upper
149 100
167 30.8 21.6 32.4
279 4.7 3.5 5.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2272
Delta R.T. 0.012 min
Lab File: BF134672.D
Acq: 08 Aug 2023 15:22

Tgt Ion:264 Resp: 274387
Ion Ratio Lower Upper
264 100
260 24.1 18.4 27.6
265 25.7 15.8 23.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 16.084 ng

RT: 16.939 min Scan# 2199

Delta R.T. 0.012 min

Lab File: BF134672.D

Acq: 08 Aug 2023 15:22

Instrument :

BNA_F

ClientSampleId :

B-PP05A

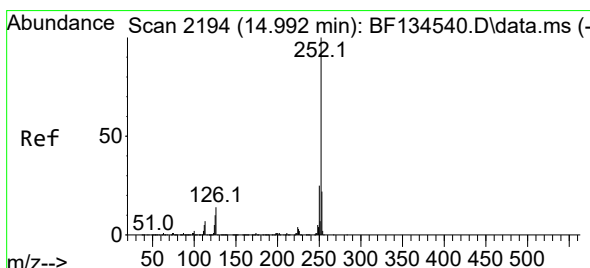
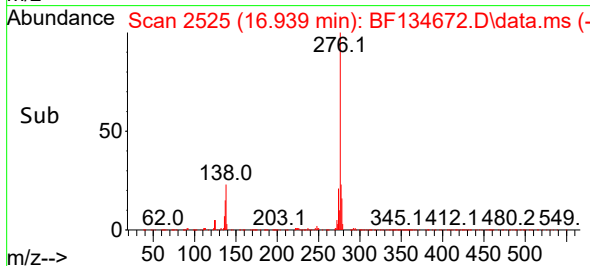
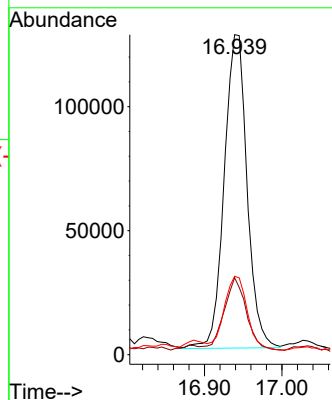
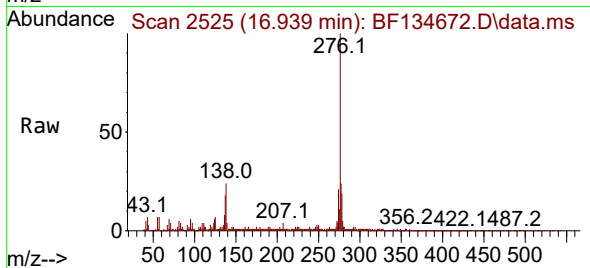
Tgt Ion:276 Resp: 259552

Ion Ratio Lower Upper

276 100

138 22.7 14.2 21.4#

277 23.9 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 48.262 ng

RT: 15.021 min Scan# 2199

Delta R.T. 0.012 min

Lab File: BF134672.D

Acq: 08 Aug 2023 15:22

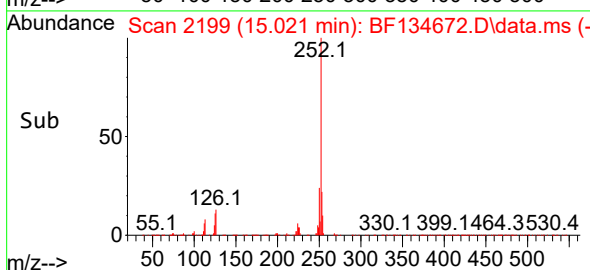
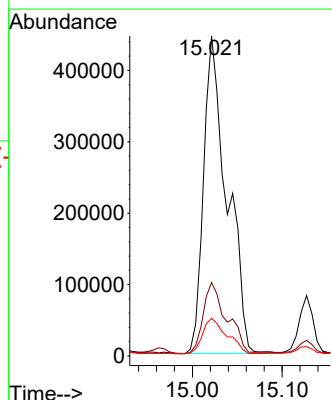
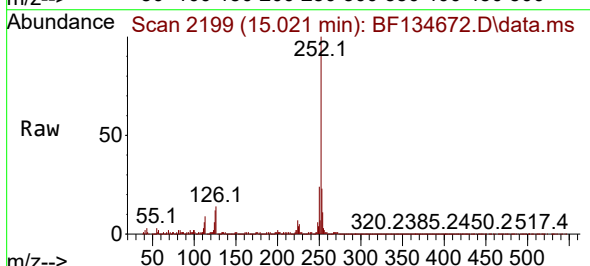
Tgt Ion:252 Resp: 807639

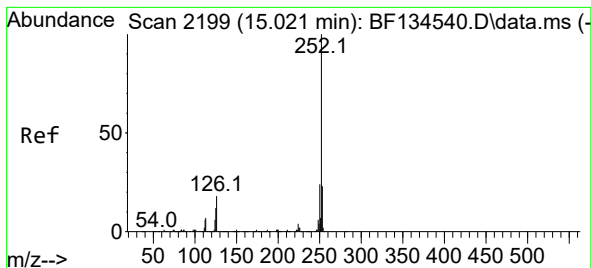
Ion Ratio Lower Upper

252 100

253 22.9 17.3 25.9

125 11.7 6.0 9.0#





#89

Benzo(k)fluoranthene

Concen: 48.447 ng

RT: 15.021 min Scan# 2199

Delta R.T. -0.018 min

Lab File: BF134672.D

Acq: 08 Aug 2023 15:22

Instrument :

BNA_F

ClientSampleId :

B-PP05A

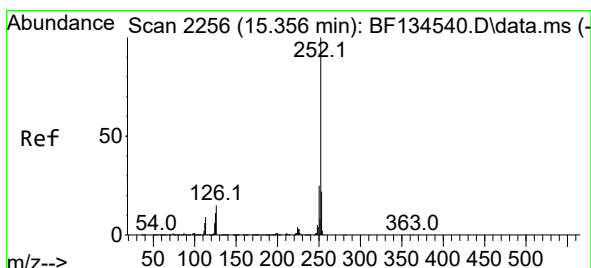
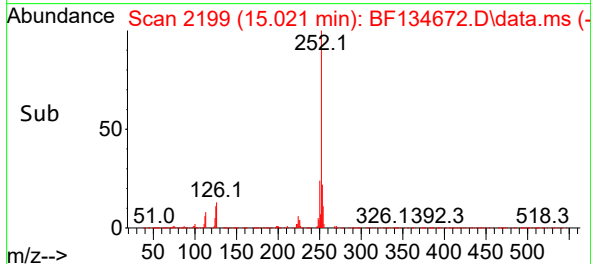
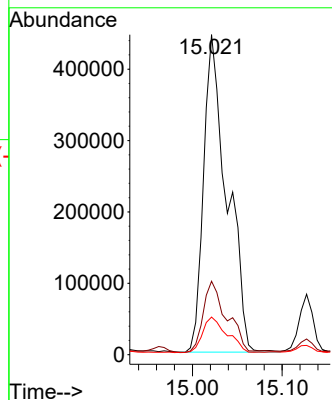
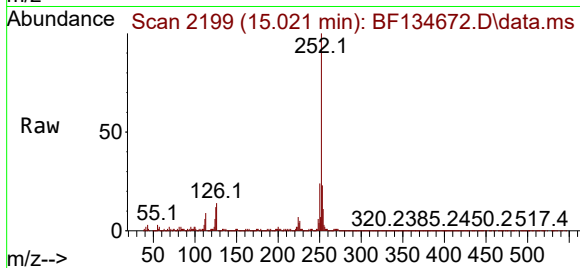
Tgt Ion:252 Resp: 807639

Ion Ratio Lower Upper

252 100

253 22.9 17.9 26.9

125 11.7 6.3 9.5#



#90

Benzo(a)pyrene

Concen: 34.884 ng

RT: 15.386 min Scan# 2261

Delta R.T. 0.006 min

Lab File: BF134672.D

Acq: 08 Aug 2023 15:22

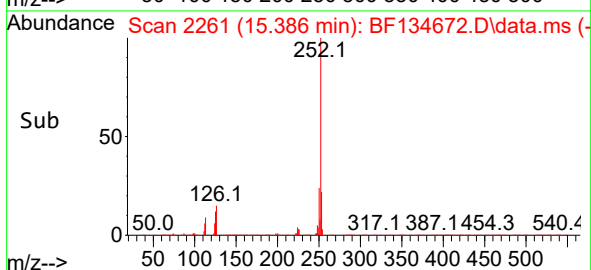
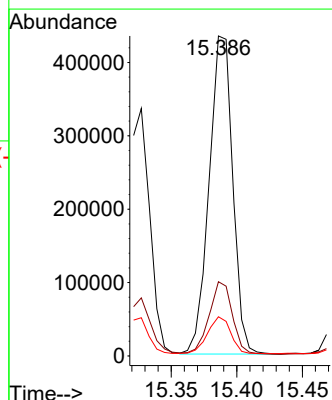
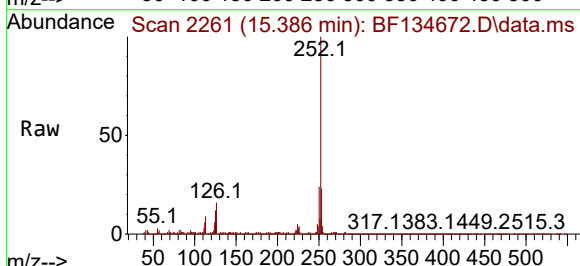
Tgt Ion:252 Resp: 544301

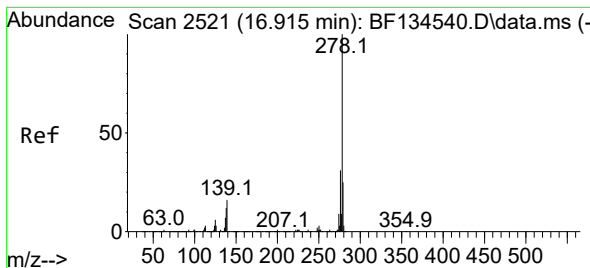
Ion Ratio Lower Upper

252 100

253 23.2 17.0 25.4

125 12.3 6.2 9.4#





#91

Dibenzo(a,h)anthracene

Concen: 5.565 ng

RT: 16.951 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF134672.D

Acq: 08 Aug 2023 15:22

Instrument :

BNA_F

ClientSampleId :

B-PP05A

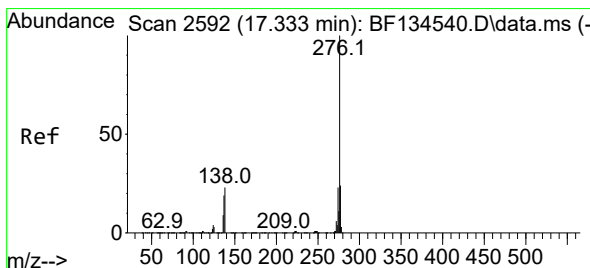
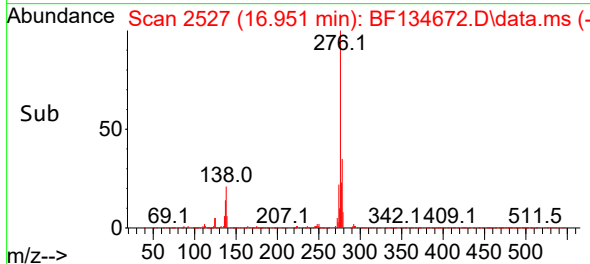
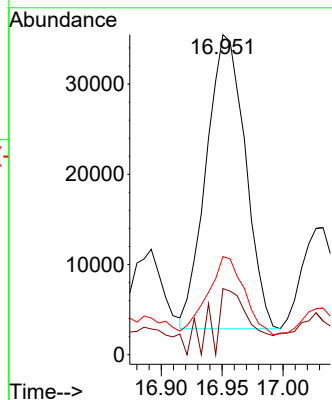
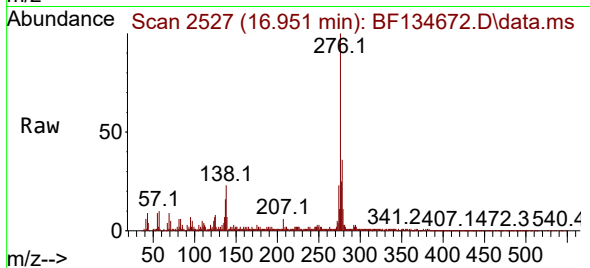
Tgt Ion:278 Resp: 72572

Ion Ratio Lower Upper

278 100

139 20.6 10.0 15.0#

279 30.6 19.7 29.5#



#92

Benzo(g,h,i)perylene

Concen: 22.105 ng

RT: 17.392 min Scan# 2602

Delta R.T. 0.018 min

Lab File: BF134672.D

Acq: 08 Aug 2023 15:22

Tgt Ion:276 Resp: 294074

Ion Ratio Lower Upper

276 100

277 25.0 19.0 28.6

138 24.9 12.2 18.2#

