

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081423\
 Data File : BF134765.D
 Acq On : 14 Aug 2023 18:13
 Operator : CG\JU
 Sample : 03989-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-PP25

Quant Time: Aug 15 00:33:01 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

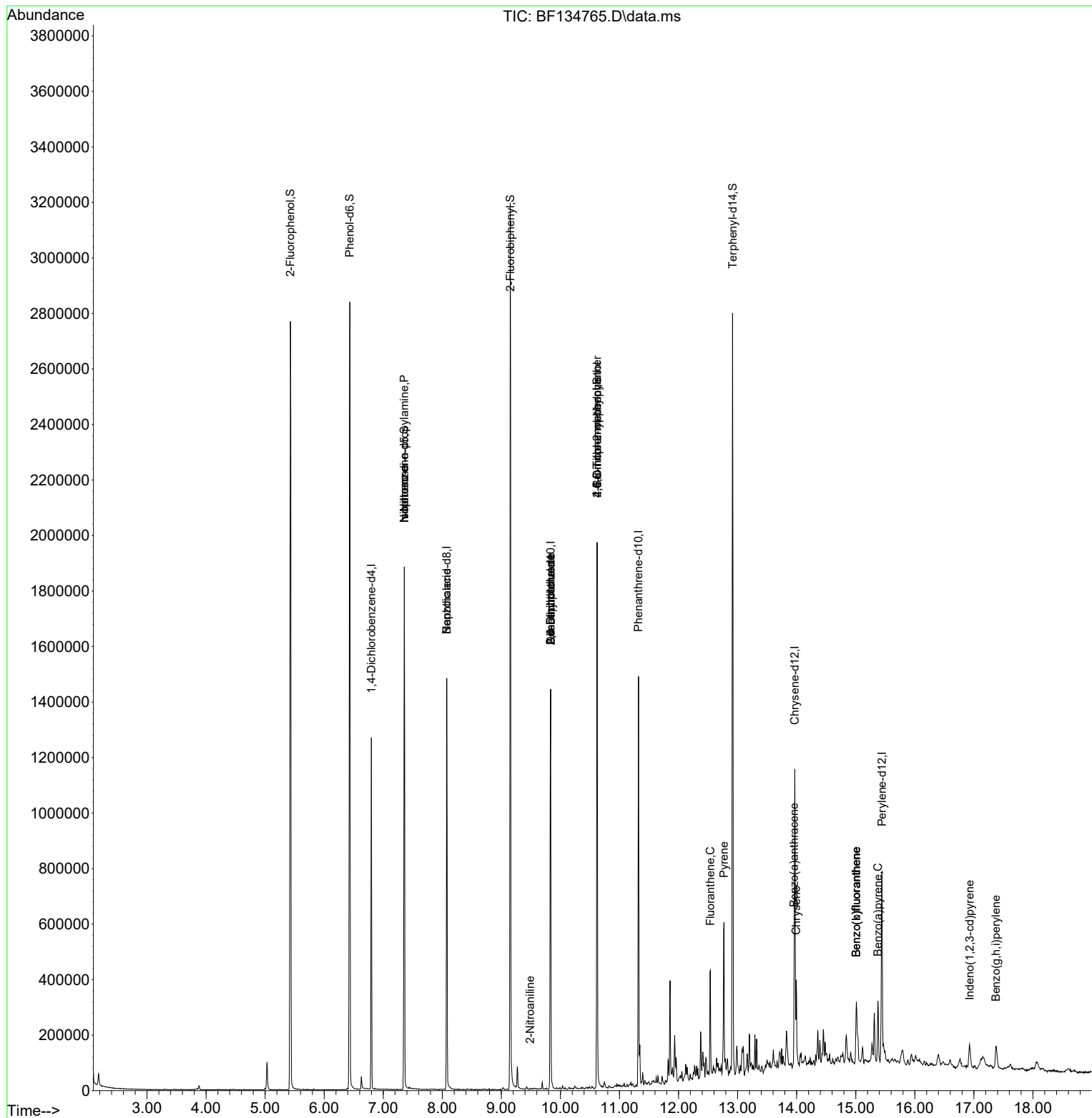
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	163713	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	607949	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	288070	20.000	ng	0.00
64) Phenanthrene-d10	11.321	188	505549	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	323236	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	332564	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	799255	74.212	ng	0.00
7) Phenol-d6	6.434	99	972092	70.609	ng	0.00
23) Nitrobenzene-d5	7.357	82	593624	61.020	ng	-0.01
42) 2,4,6-Tribromophenol	10.621	330	237390	80.838	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1005983	58.064	ng	-0.01
79) Terphenyl-d14	12.915	244	961774	52.453	ng	0.00
Target Compounds						
9) Benzaldehyde	6.351	77	242	Below Cal	#	75
19) n-Nitroso-di-n-propyla...	7.357	70	78817	9.562	ng	# 74
25) Isophorone	7.357	82	584269	27.536	ng	# 65
32) Benzoic acid	8.075	122	150	7.887	ng	# 1
48) 2-Nitroaniline	9.486	65	57	3.176	ng	# 8
50) Dimethylphthalate	9.833	163	58701	2.990	ng	# 1
51) 2,6-Dinitrotoluene	9.833	165	37421	11.314	ng	# 17
57) 2,4-Dinitrotoluene	9.833	165	37416	10.094	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.621	198	461	8.884	ng	# 1
67) 4-Bromophenyl-phenylether	10.621	248	15038	2.717	ng	# 1
75) Fluoranthene	12.539	202	154986	5.464	ng	98
78) Pyrene	12.768	202	233699	8.355	ng	98
81) Benzo(a)anthracene	13.957	228	115442	4.995	ng	96
83) Chrysene	13.992	228	126697	5.626	ng	98
87) Indeno(1,2,3-cd)pyrene	16.927	276	56428	2.885	ng	# 90
88) Benzo(b)fluoranthene	15.009	252	159631	7.870	ng	# 95
89) Benzo(k)fluoranthene	15.009	252	159631	7.901	ng	# 96
90) Benzo(a)pyrene	15.374	252	110279	5.831	ng	# 96
92) Benzo(g,h,i)perylene	17.374	276	71021	4.405	ng	# 94

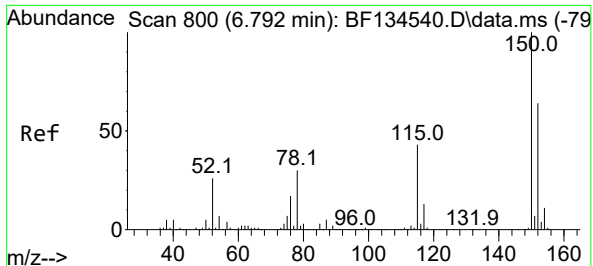
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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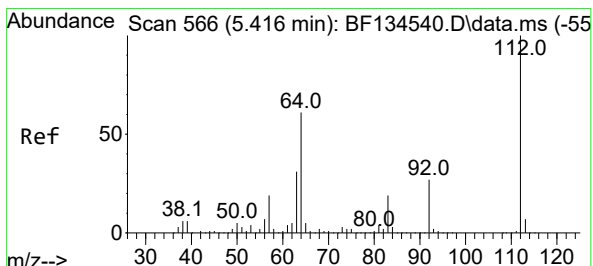
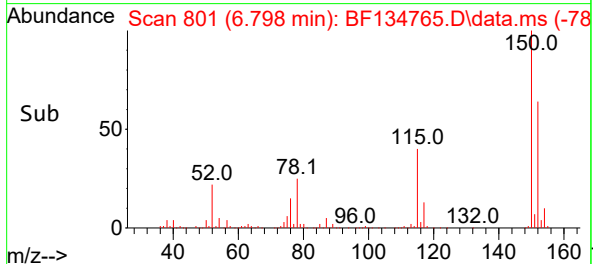
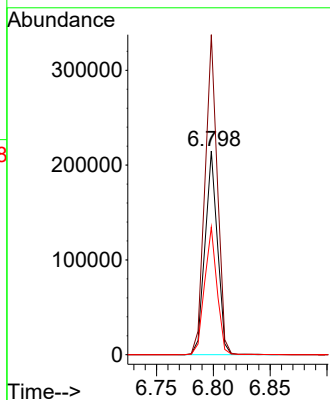
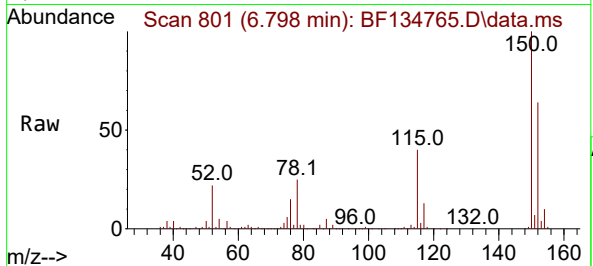




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134765.D
Acq: 14 Aug 2023 18:13

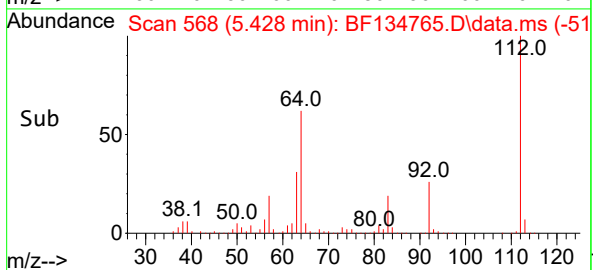
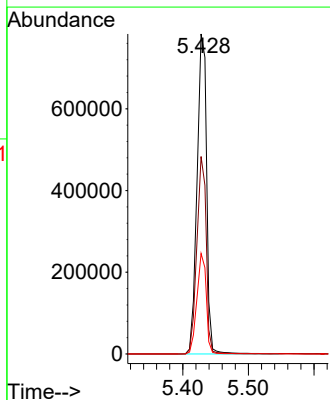
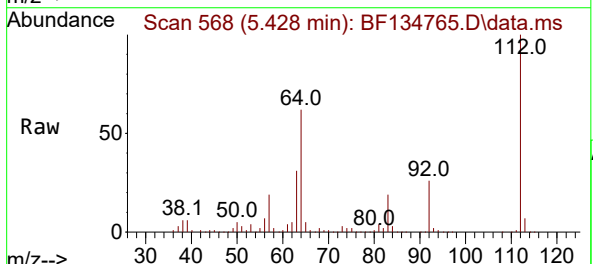
Instrument :
BNA_F
ClientSampleId :
B-PP25

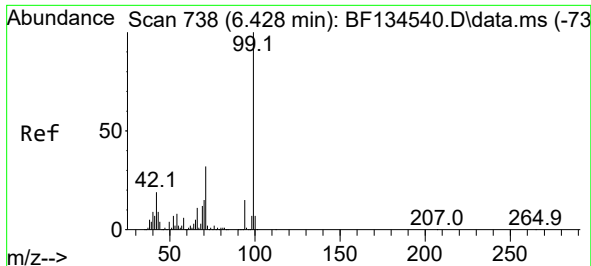
Tgt Ion:152 Resp: 163713
Ion Ratio Lower Upper
152 100
150 157.1 128.3 192.5
115 62.6 52.4 78.6



#5
2-Fluorophenol
Concen: 74.212 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.000 min
Lab File: BF134765.D
Acq: 14 Aug 2023 18:13

Tgt Ion:112 Resp: 799255
Ion Ratio Lower Upper
112 100
64 61.7 44.9 67.3
63 31.4 25.4 38.0

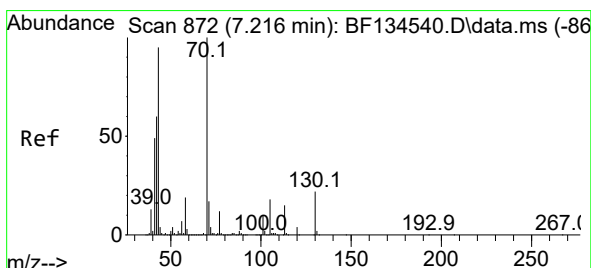
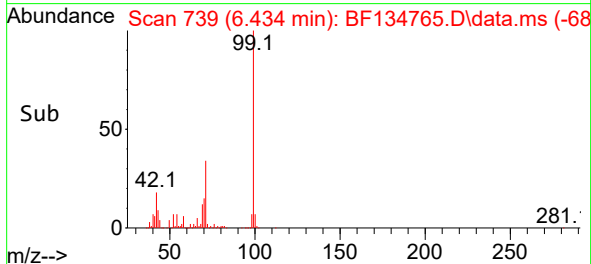
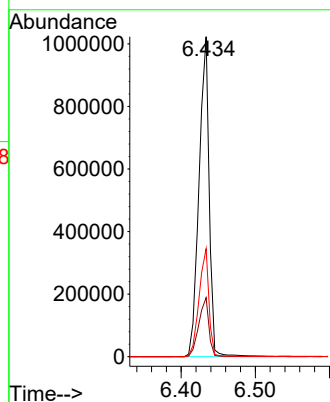
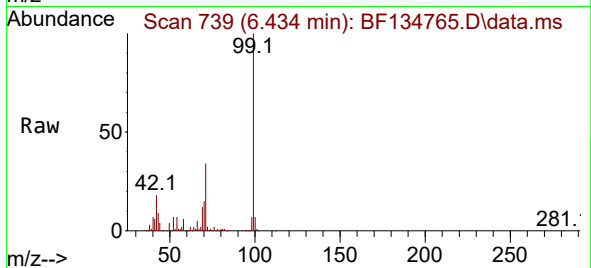




#7
Phenol-d6
Concen: 70.609 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF134765.D
Acq: 14 Aug 2023 18:13

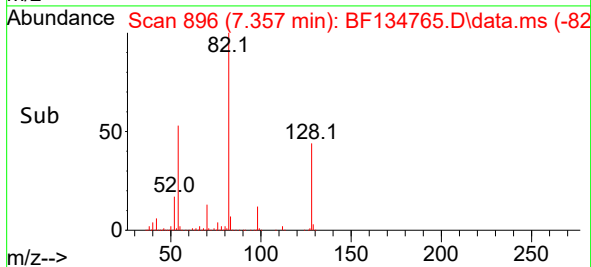
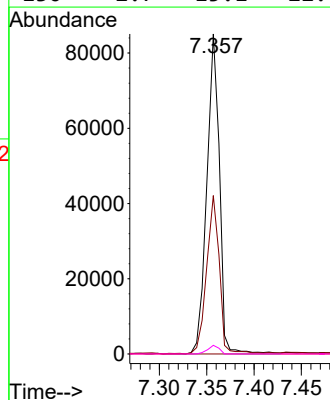
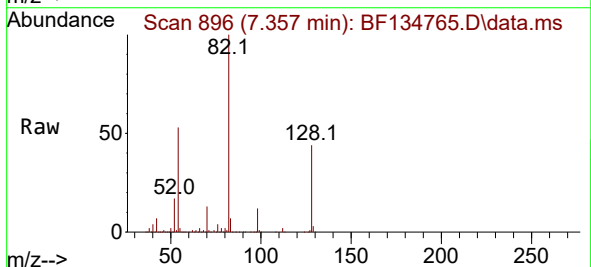
Instrument :
BNA_F
ClientSampleId :
B-PP25

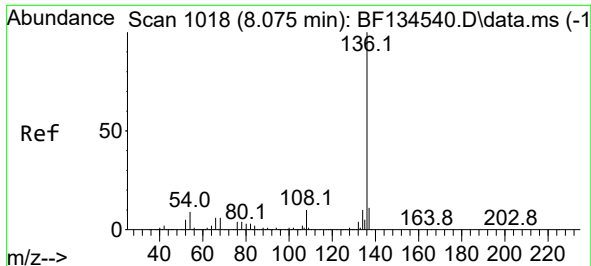
Tgt Ion: 99 Resp: 972092
Ion Ratio Lower Upper
99 100
42 18.5 18.7 28.1#
71 33.8 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 9.562 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF134765.D
Acq: 14 Aug 2023 18:13

Tgt Ion: 70 Resp: 78817
Ion Ratio Lower Upper
70 100
42 49.5 54.7 82.1#
101 0.0 8.2 12.2#
130 2.7 15.1 22.7#

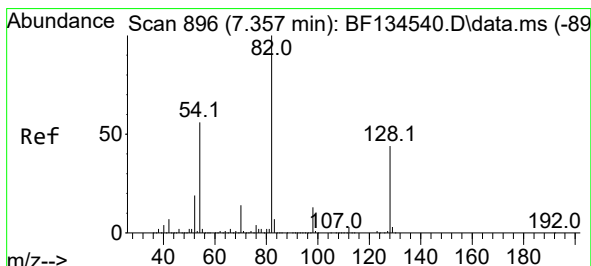
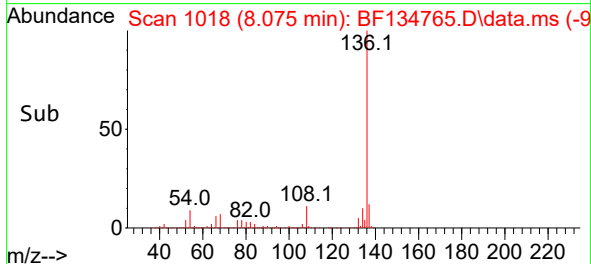
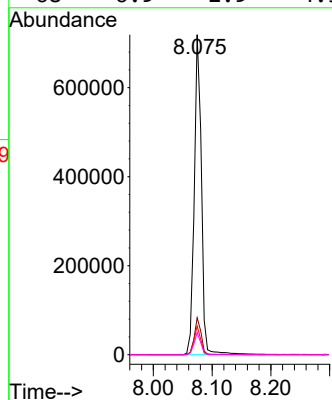
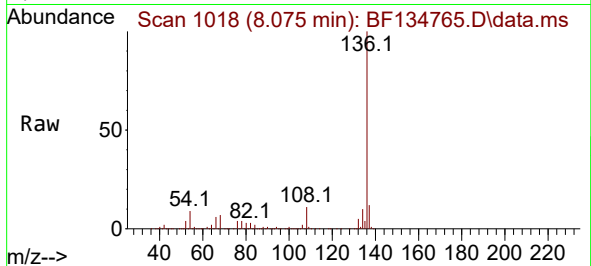




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134765.D
Acq: 14 Aug 2023 18:13

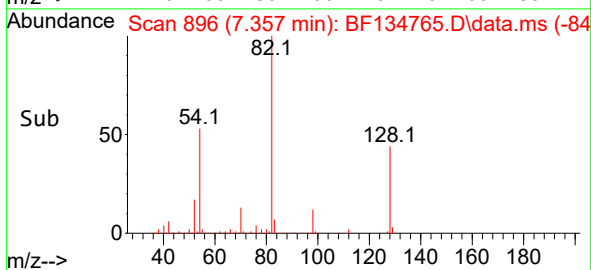
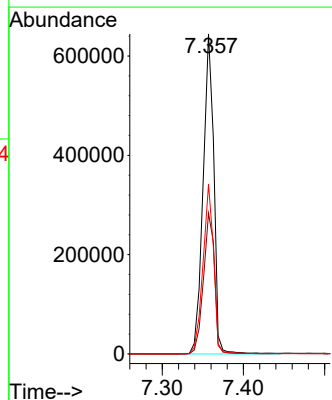
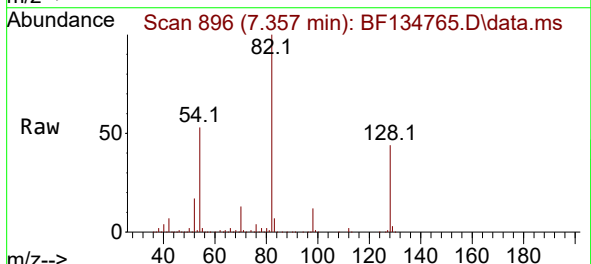
Instrument :
BNA_F
ClientSampleId :
B-PP25

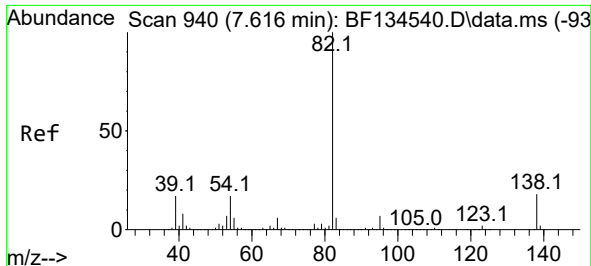
Tgt Ion:136 Resp: 607949
Ion Ratio Lower Upper
136 100
137 11.6 8.4 12.6
54 8.9 5.2 7.8#
68 6.9 2.9 4.3#



#23
Nitrobenzene-d5
Concen: 61.020 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF134765.D
Acq: 14 Aug 2023 18:13

Tgt Ion: 82 Resp: 593624
Ion Ratio Lower Upper
82 100
128 44.0 34.3 51.5
54 53.1 43.8 65.6

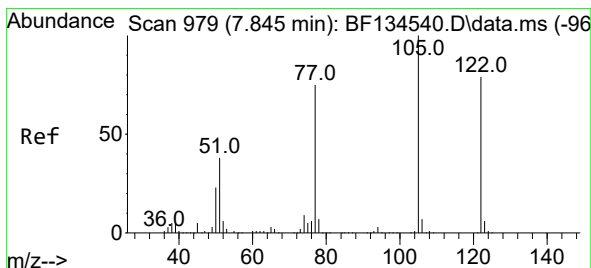
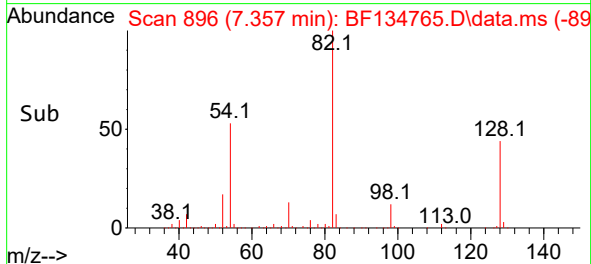
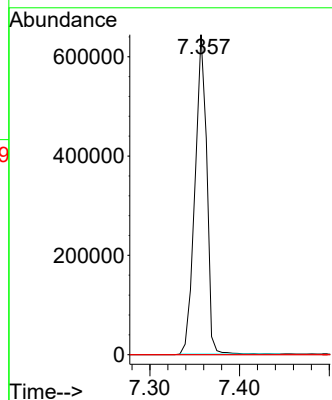
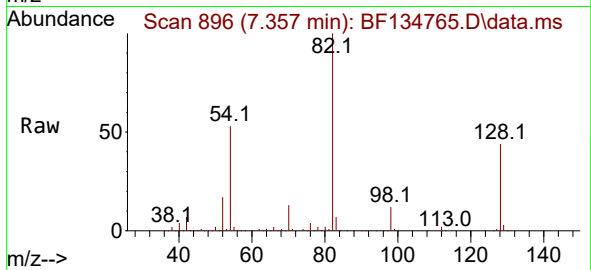




#25
Isophorone
Concen: 27.536 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.271 min
Lab File: BF134765.D
Acq: 14 Aug 2023 18:13

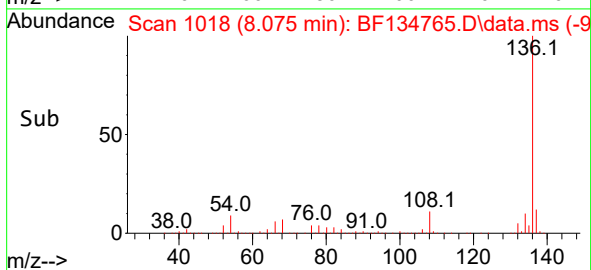
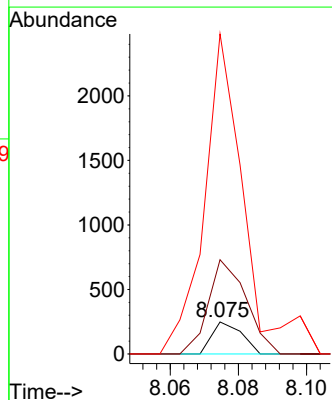
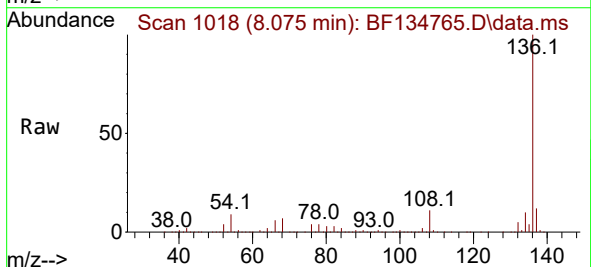
Instrument :
BNA_F
ClientSampleId :
B-PP25

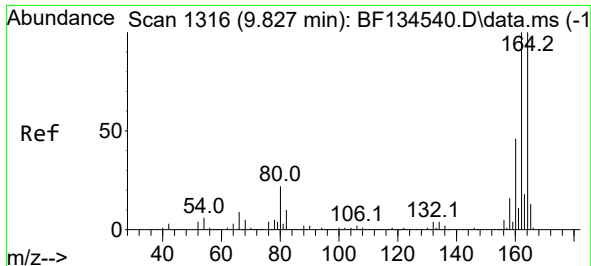
Tgt Ion: 82 Resp: 584269
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.887 ng
RT: 8.075 min Scan# 1018
Delta R.T. 0.212 min
Lab File: BF134765.D
Acq: 14 Aug 2023 18:13

Tgt Ion:122 Resp: 150
Ion Ratio Lower Upper
122 100
105 294.8 87.5 127.5#
77 1000.0 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: BF134765.D

Acq: 14 Aug 2023 18:13

Instrument :

BNA_F

ClientSampleId :

B-PP25

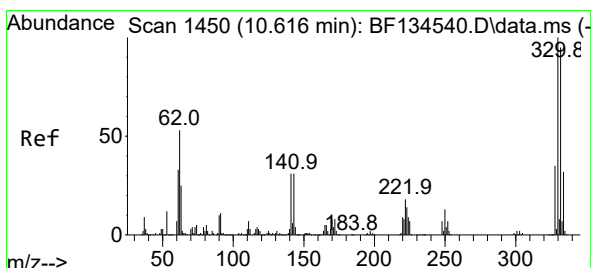
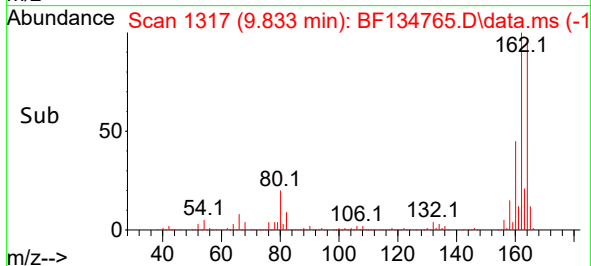
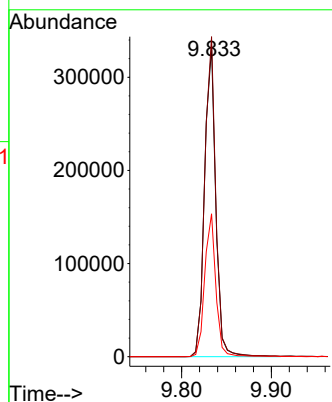
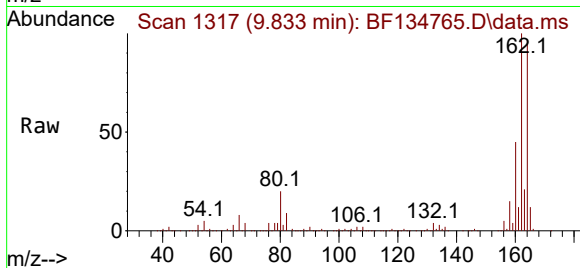
Tgt Ion:164 Resp: 288070

Ion Ratio Lower Upper

164 100

162 103.5 82.6 123.8

160 46.2 37.2 55.8



#42

2,4,6-Tribromophenol

Concen: 80.838 ng

RT: 10.621 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF134765.D

Acq: 14 Aug 2023 18:13

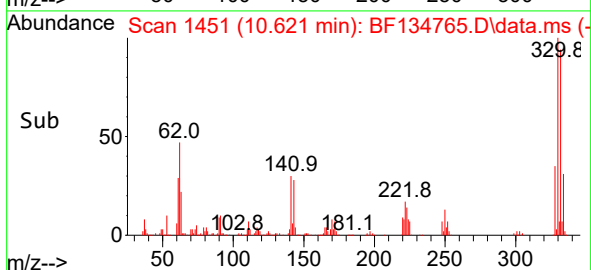
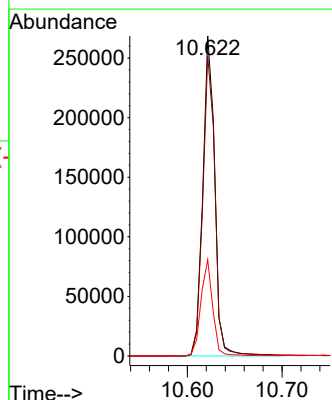
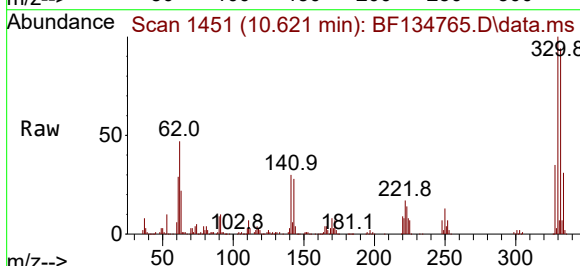
Tgt Ion:330 Resp: 237390

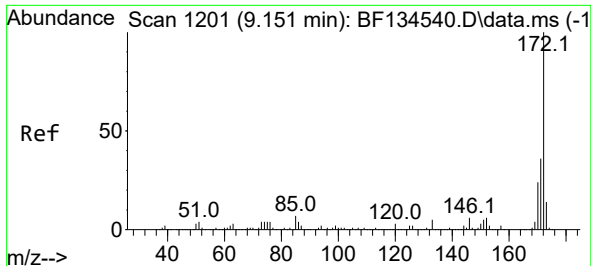
Ion Ratio Lower Upper

330 100

332 95.7 78.8 118.2

141 29.7 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 58.064 ng

RT: 9.151 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF134765.D

Acq: 14 Aug 2023 18:13

Instrument :

BNA_F

ClientSampleId :

B-PP25

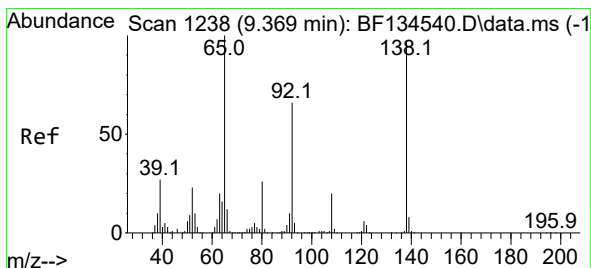
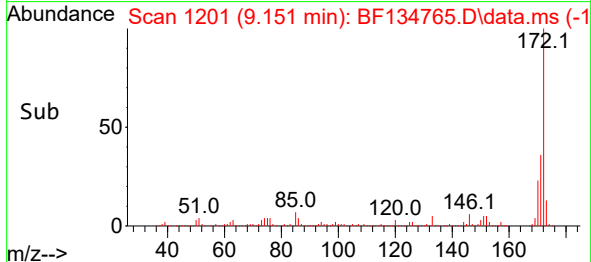
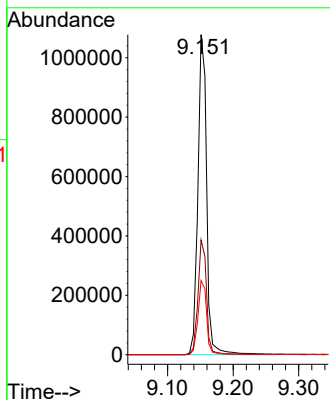
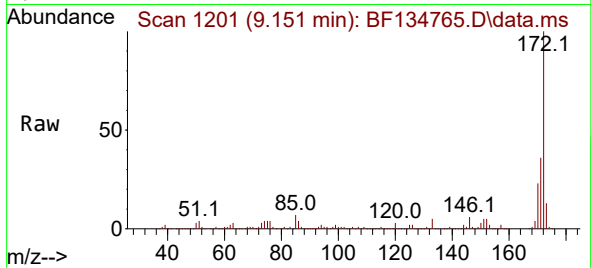
Tgt Ion:172 Resp: 1005983

Ion Ratio Lower Upper

172 100

171 35.9 28.8 43.2

170 23.1 18.7 28.1



#48

2-Nitroaniline

Concen: 3.176 ng

RT: 9.486 min Scan# 1258

Delta R.T. 0.106 min

Lab File: BF134765.D

Acq: 14 Aug 2023 18:13

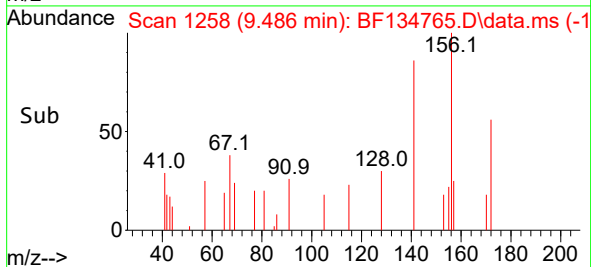
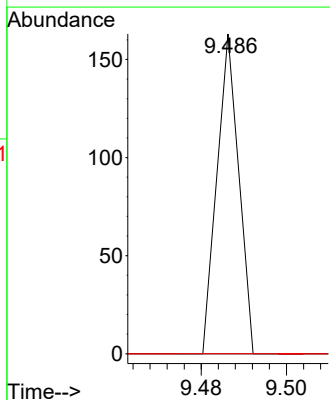
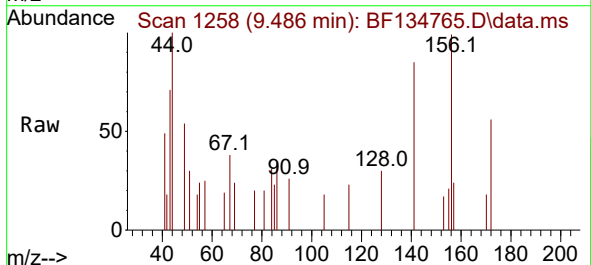
Tgt Ion: 65 Resp: 57

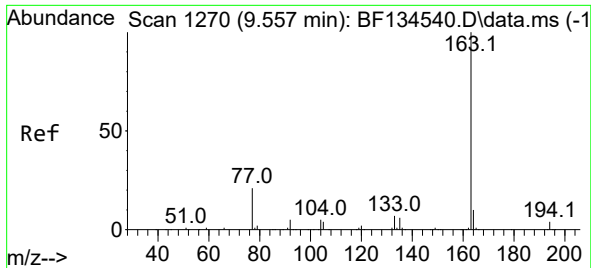
Ion Ratio Lower Upper

65 100

92 0.0 50.7 76.1#

138 0.0 78.2 117.4#

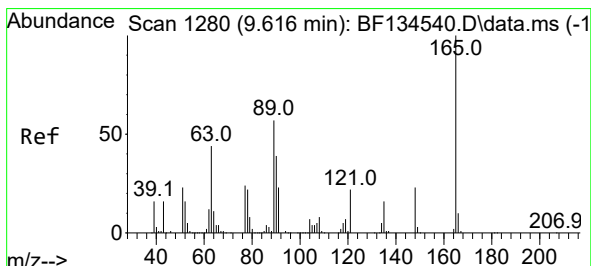
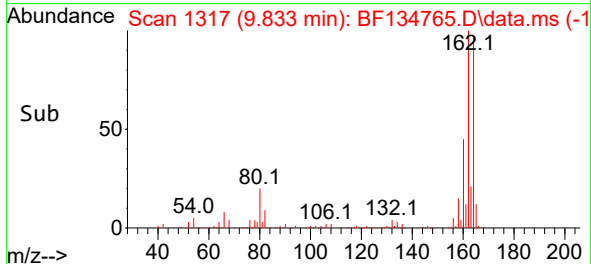
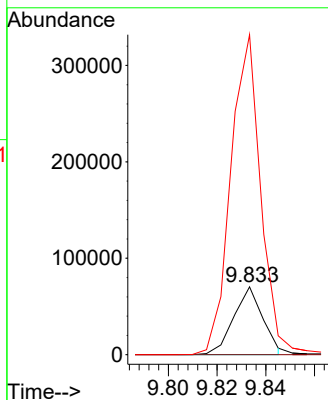
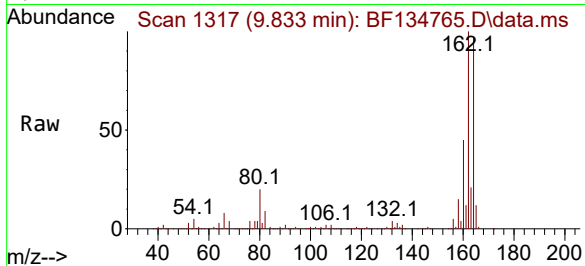




#50
 Dimethylphthalate
 Concen: 2.990 ng
 RT: 9.833 min Scan# 1317
 Delta R.T. 0.265 min
 Lab File: BF134765.D
 Acq: 14 Aug 2023 18:13

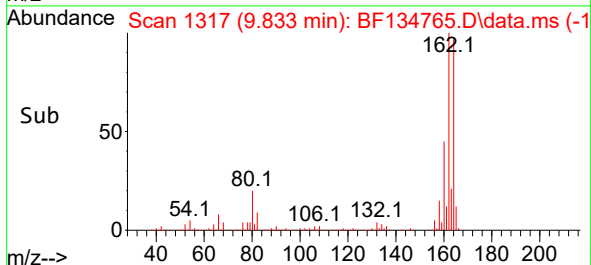
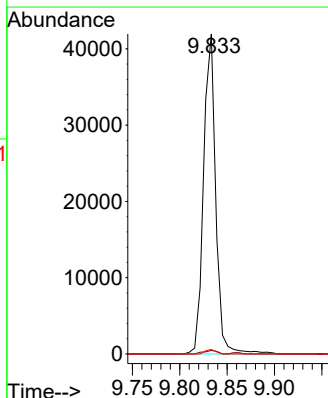
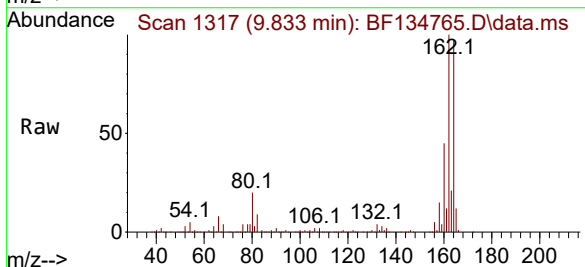
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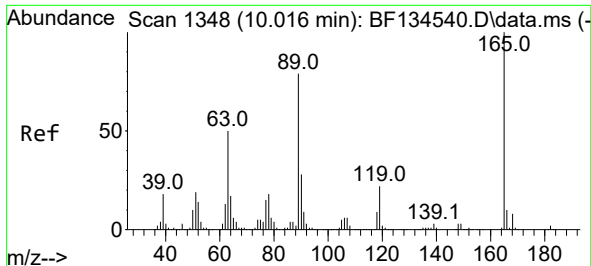
Tgt Ion:163 Resp: 58701
 Ion Ratio Lower Upper
 163 100
 194 0.0 3.3 4.9#
 164 471.1 7.5 11.3#



#51
 2,6-Dinitrotoluene
 Concen: 11.314 ng
 RT: 9.833 min Scan# 1317
 Delta R.T. 0.206 min
 Lab File: BF134765.D
 Acq: 14 Aug 2023 18:13

Tgt Ion:165 Resp: 37421
 Ion Ratio Lower Upper
 165 100
 63 1.1 57.8 86.6#
 89 1.4 51.8 77.8#

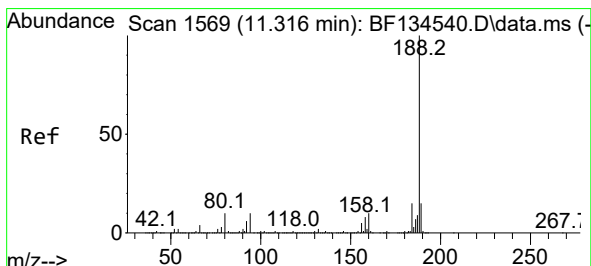
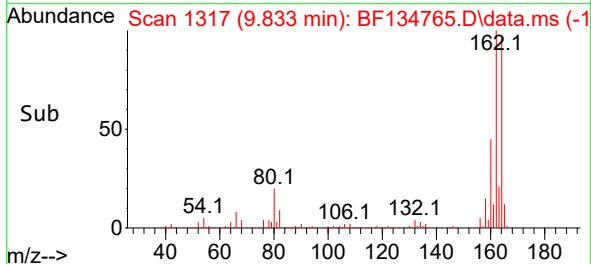
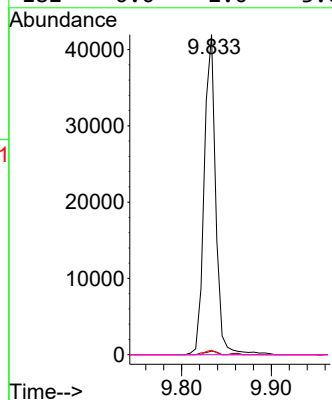
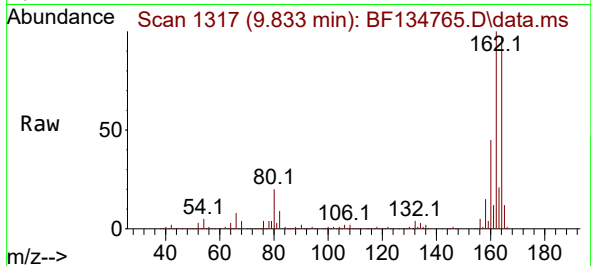




#57
2,4-Dinitrotoluene
Concen: 10.094 ng
RT: 9.833 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF134765.D
Acq: 14 Aug 2023 18:13

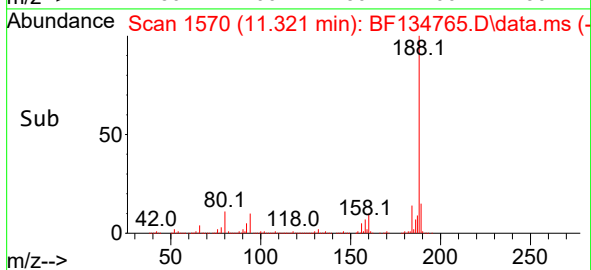
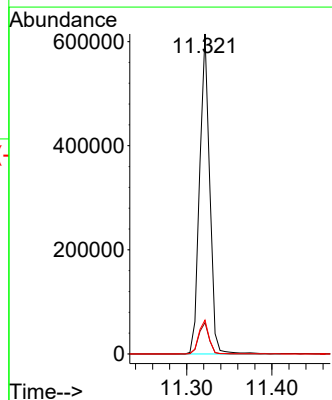
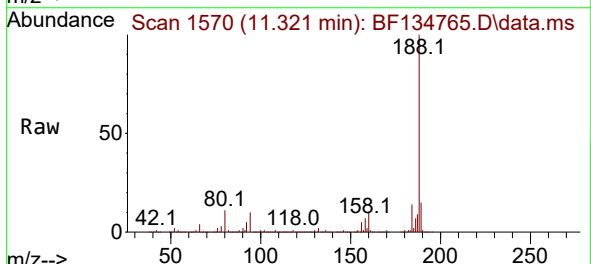
Instrument :
BNA_F
ClientSampleId :
B-PP25

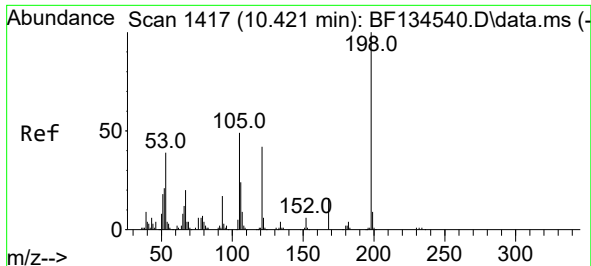
Tgt Ion:165 Resp: 37416
Ion Ratio Lower Upper
165 100
63 1.1 48.9 73.3#
89 1.4 61.7 92.5#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.321 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BF134765.D
Acq: 14 Aug 2023 18:13

Tgt Ion:188 Resp: 505549
Ion Ratio Lower Upper
188 100
94 9.8 5.1 7.7#
80 10.6 6.6 9.8#

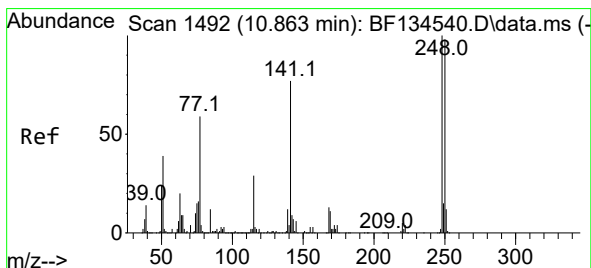
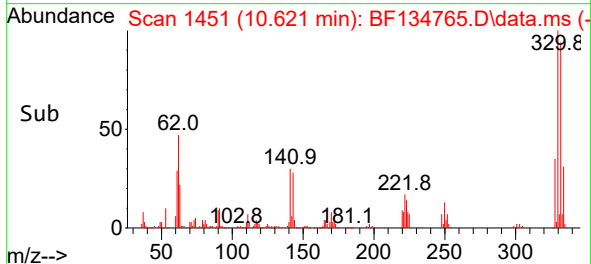
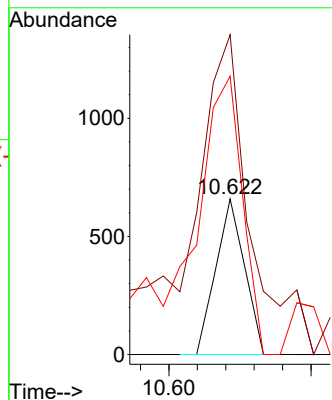
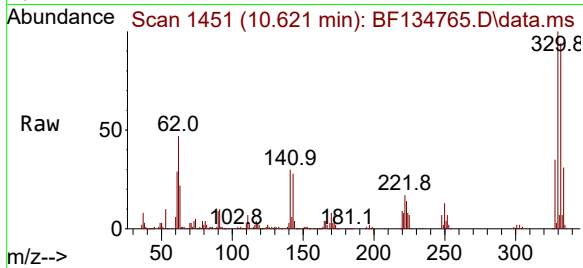




#65
4,6-Dinitro-2-methylphenol
Concen: 8.884 ng
RT: 10.621 min Scan# 1417
Delta R.T. 0.182 min
Lab File: BF134765.D
Acq: 14 Aug 2023 18:13

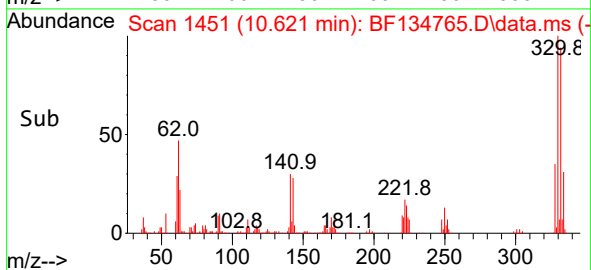
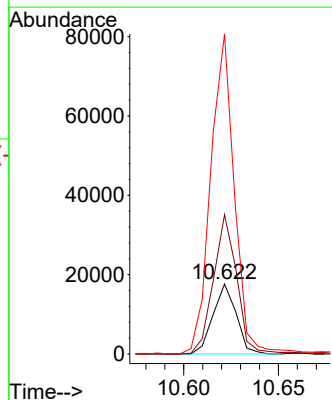
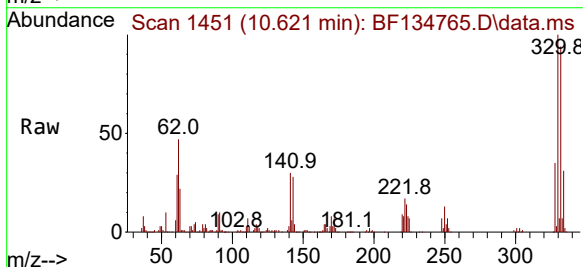
Instrument :
BNA_F
ClientSampleId :
B-PP25

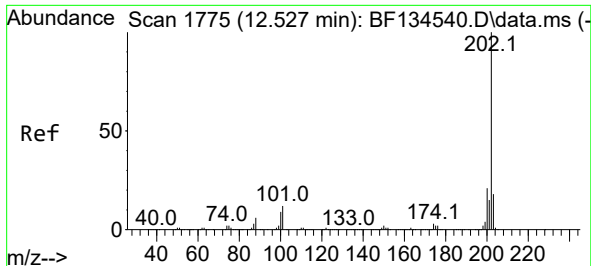
Tgt Ion:198 Resp: 461
Ion Ratio Lower Upper
198 100
51 205.5 38.6 78.6#
105 178.8 27.9 67.9#



#67
4-Bromophenyl-phenylether
Concen: 2.717 ng
RT: 10.621 min Scan# 1451
Delta R.T. -0.247 min
Lab File: BF134765.D
Acq: 14 Aug 2023 18:13

Tgt Ion:248 Resp: 15038
Ion Ratio Lower Upper
248 100
250 199.2 79.6 119.4#
141 457.3 59.6 89.4#

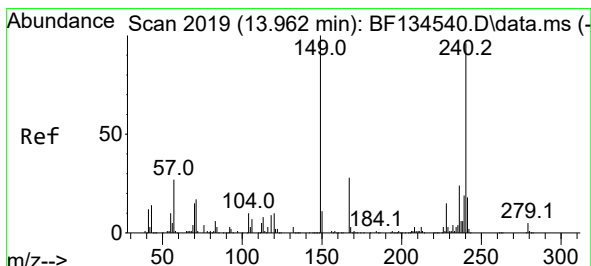
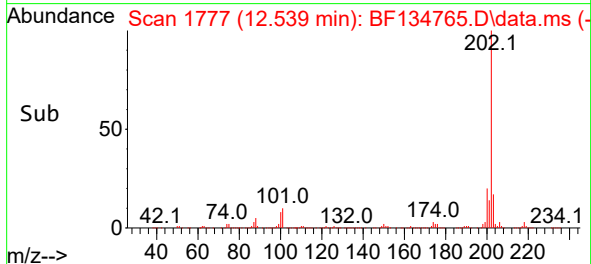
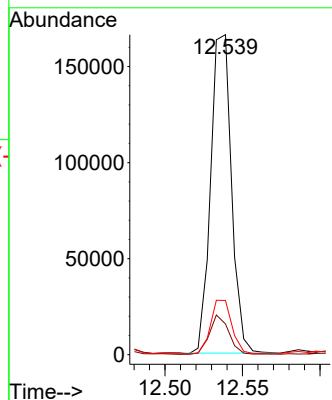
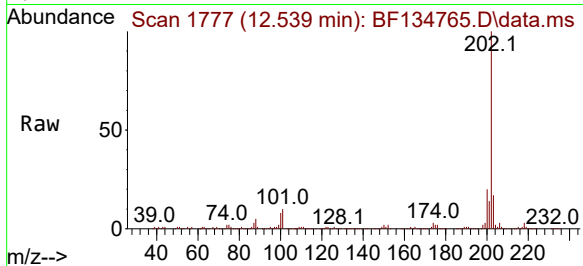




#75
Fluoranthene
Concen: 5.464 ng
RT: 12.539 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF134765.D
Acq: 14 Aug 2023 18:13

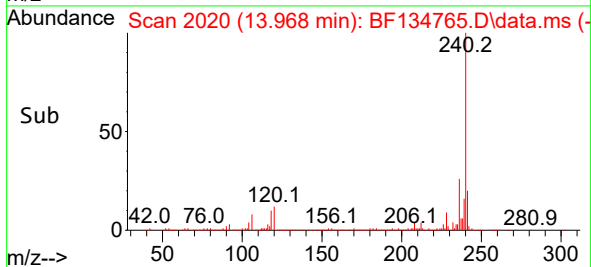
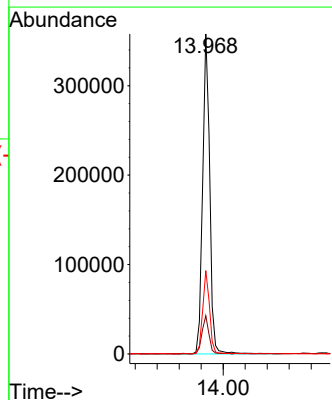
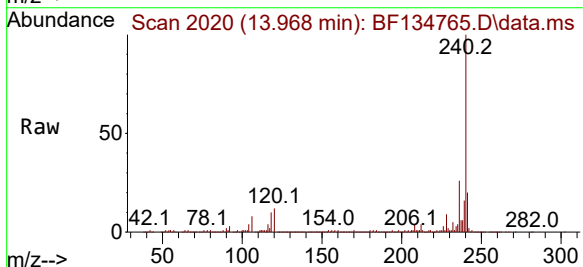
Instrument :
BNA_F
ClientSampleId :
B-PP25

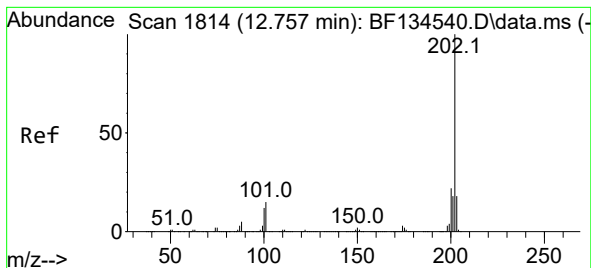
Tgt Ion:202 Resp: 154986
Ion Ratio Lower Upper
202 100
101 9.6 0.0 28.5
203 17.0 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF134765.D
Acq: 14 Aug 2023 18:13

Tgt Ion:240 Resp: 323236
Ion Ratio Lower Upper
240 100
120 11.9 6.6 10.0#
236 26.0 20.2 30.2





#78

Pyrene

Concen: 8.355 ng

RT: 12.768 min Scan# 1816

Delta R.T. -0.000 min

Lab File: BF134765.D

Acq: 14 Aug 2023 18:13

Instrument :

BNA_F

ClientSampleId :

B-PP25

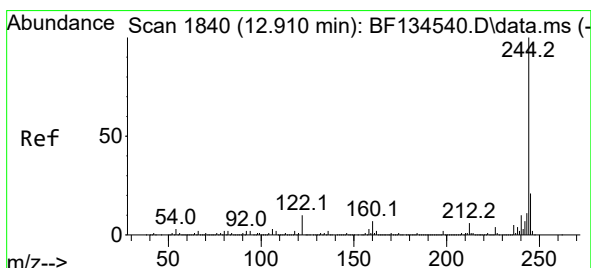
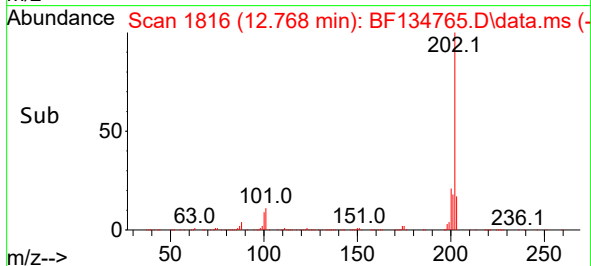
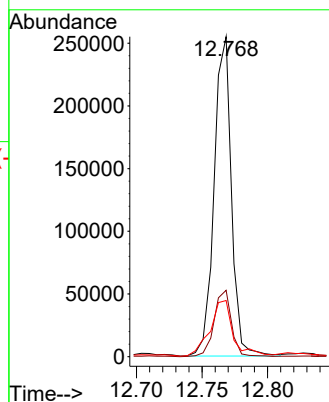
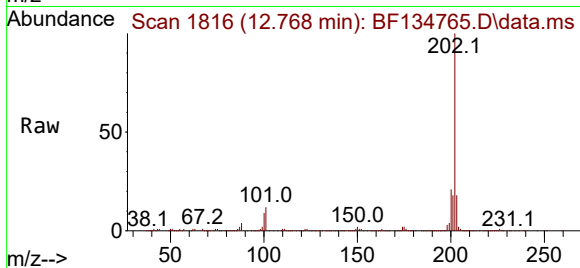
Tgt Ion:202 Resp: 233699

Ion Ratio Lower Upper

202 100

200 20.7 15.8 23.8

203 17.6 13.5 20.3



#79

Terphenyl-d14

Concen: 52.453 ng

RT: 12.915 min Scan# 1841

Delta R.T. -0.006 min

Lab File: BF134765.D

Acq: 14 Aug 2023 18:13

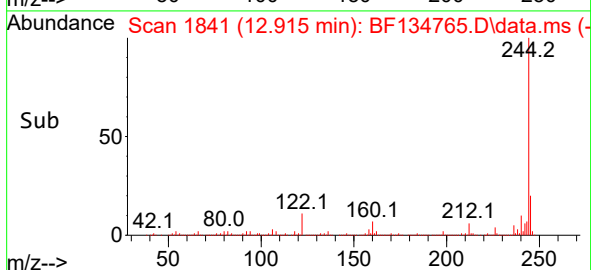
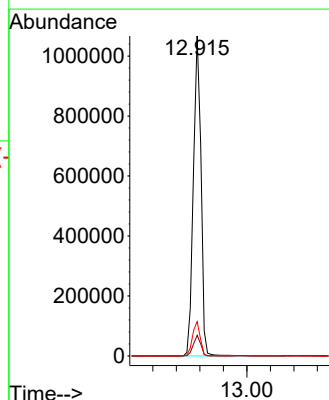
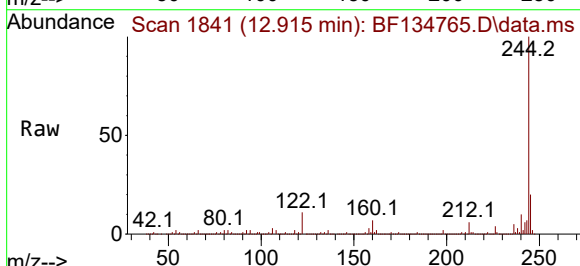
Tgt Ion:244 Resp: 961774

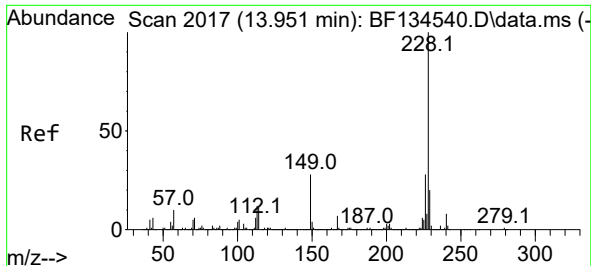
Ion Ratio Lower Upper

244 100

212 6.4 5.6 8.4

122 10.8 8.0 12.0

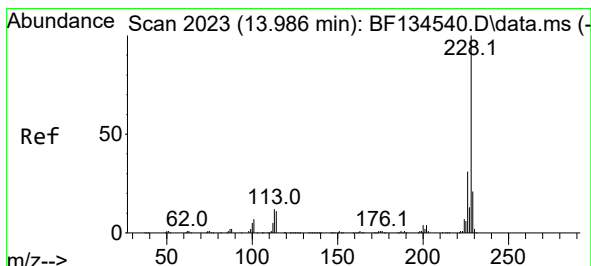
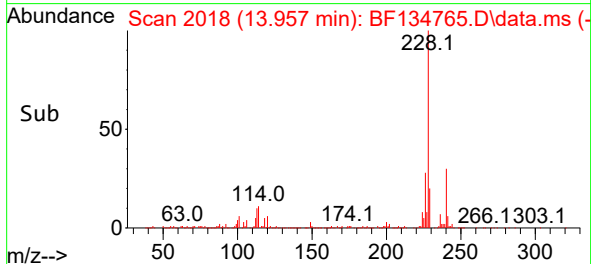
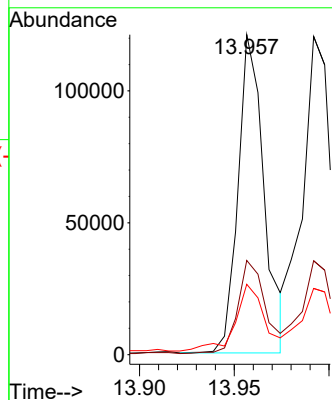
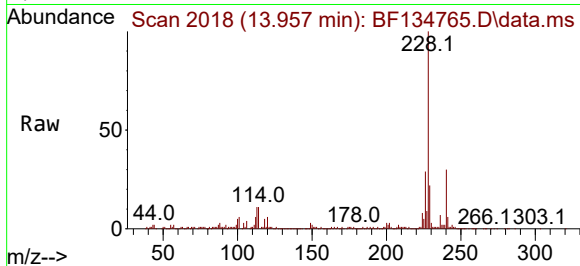




#81
Benzo(a)anthracene
Concen: 4.995 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF134765.D
Acq: 14 Aug 2023 18:13

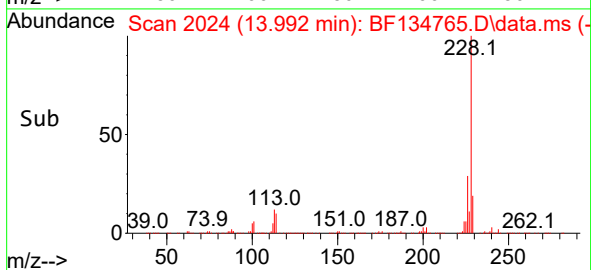
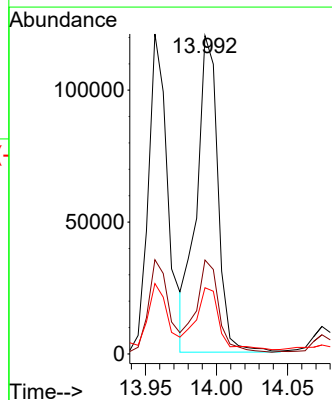
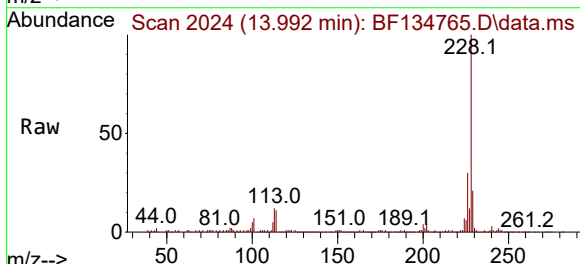
Instrument :
BNA_F
ClientSampleId :
B-PP25

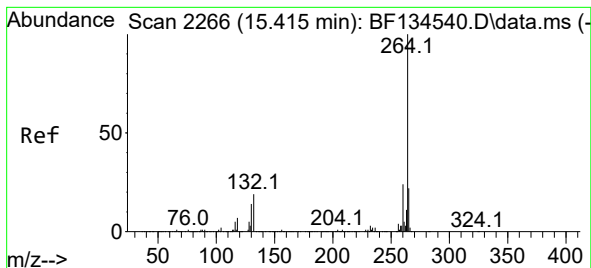
Tgt Ion:228 Resp: 115442
Ion Ratio Lower Upper
228 100
226 29.4 22.3 33.5
229 22.0 15.8 23.6



#83
Chrysene
Concen: 5.626 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF134765.D
Acq: 14 Aug 2023 18:13

Tgt Ion:228 Resp: 126697
Ion Ratio Lower Upper
228 100
226 29.5 24.5 36.7
229 20.8 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134765.D

Acq: 14 Aug 2023 18:13

Instrument :

BNA_F

ClientSampleId :

B-PP25

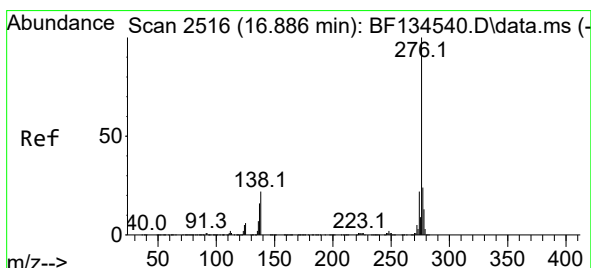
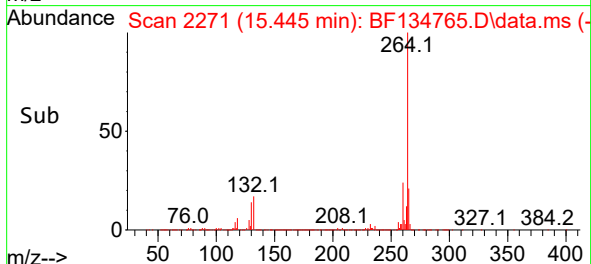
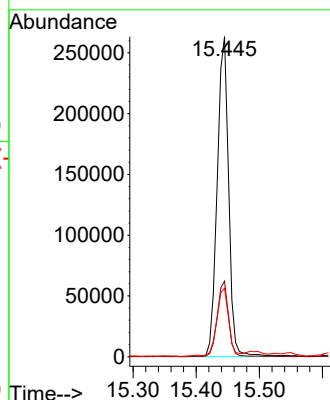
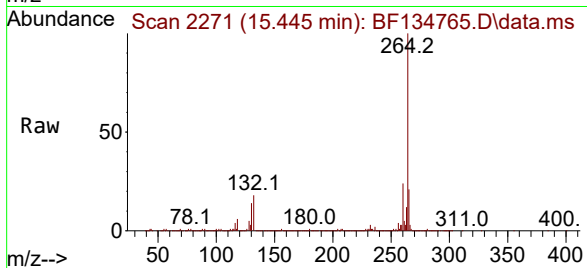
Tgt Ion:264 Resp: 332564

Ion Ratio Lower Upper

264 100

260 23.6 18.4 27.6

265 21.4 15.8 23.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.885 ng

RT: 16.927 min Scan# 2523

Delta R.T. -0.000 min

Lab File: BF134765.D

Acq: 14 Aug 2023 18:13

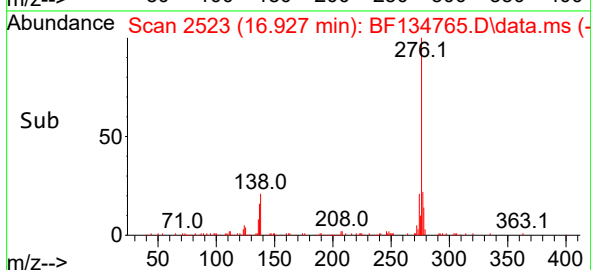
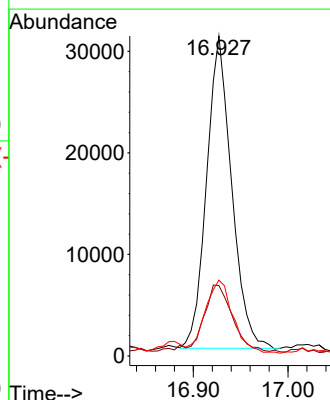
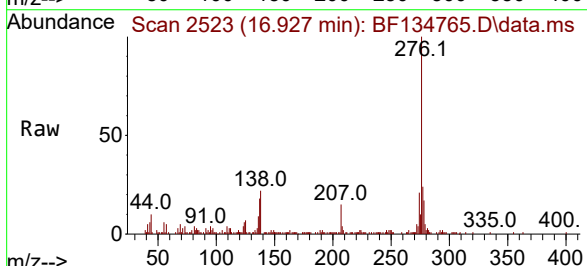
Tgt Ion:276 Resp: 56428

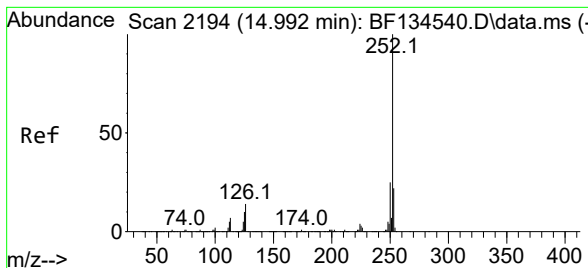
Ion Ratio Lower Upper

276 100

138 26.9 14.2 21.4#

277 26.3 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 7.870 ng

RT: 15.009 min Scan# 2197

Delta R.T. -0.000 min

Lab File: BF134765.D

Acq: 14 Aug 2023 18:13

Instrument :

BNA_F

ClientSampleId :

B-PP25

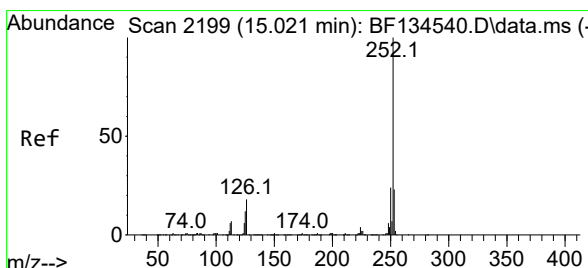
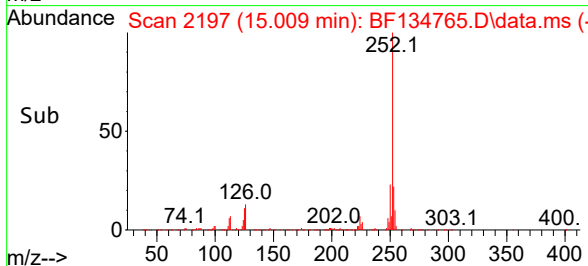
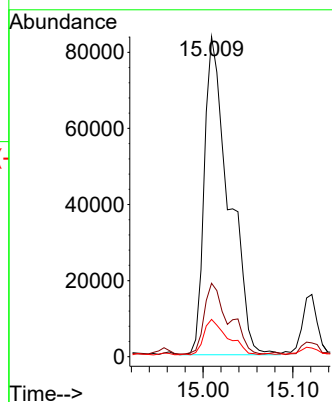
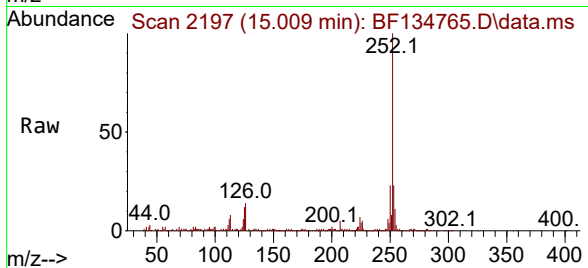
Tgt Ion:252 Resp: 159631

Ion Ratio Lower Upper

252 100

253 23.0 17.3 25.9

125 11.6 6.0 9.0#



#89

Benzo(k)fluoranthene

Concen: 7.901 ng

RT: 15.009 min Scan# 2197

Delta R.T. -0.029 min

Lab File: BF134765.D

Acq: 14 Aug 2023 18:13

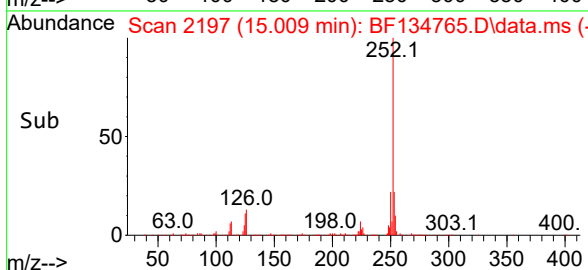
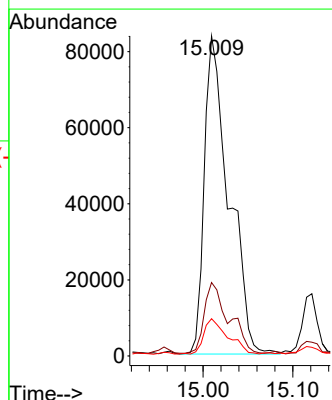
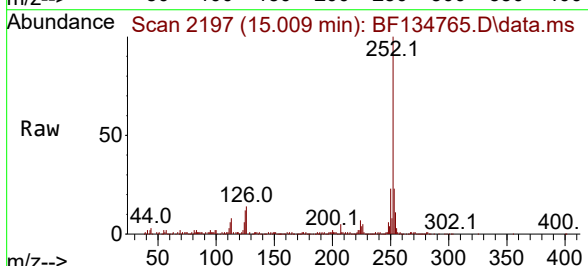
Tgt Ion:252 Resp: 159631

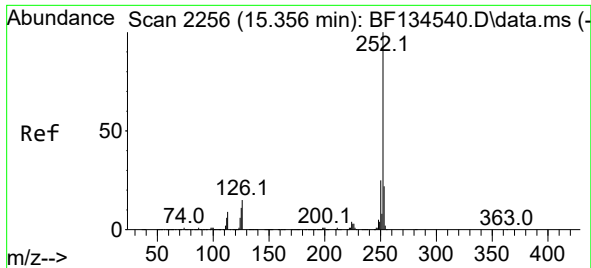
Ion Ratio Lower Upper

252 100

253 23.0 17.9 26.9

125 11.6 6.3 9.5#

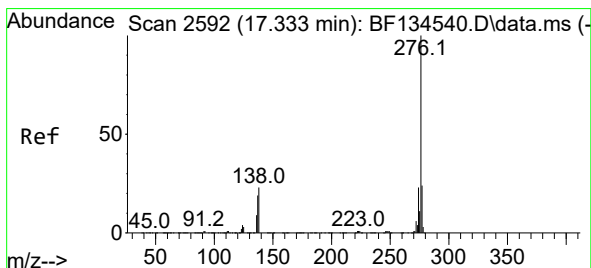
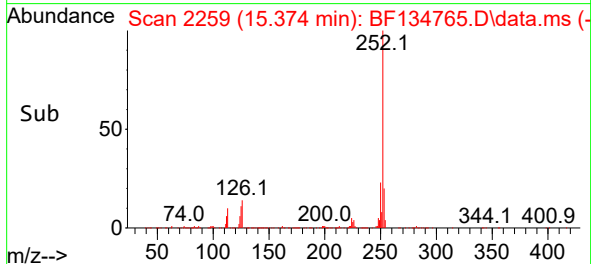
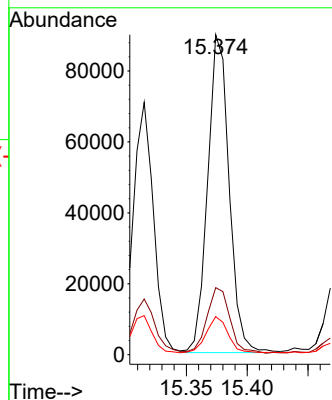
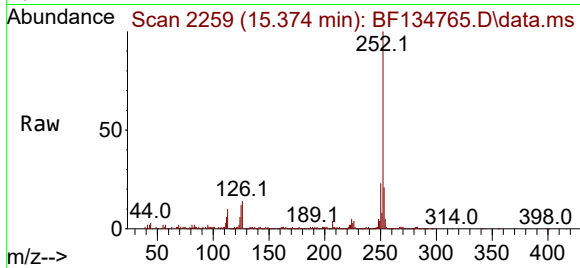




#90
Benzo(a)pyrene
Concen: 5.831 ng
RT: 15.374 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF134765.D
Acq: 14 Aug 2023 18:13

Instrument :
BNA_F
ClientSampleId :
B-PP25

Tgt Ion:252 Resp: 110279
Ion Ratio Lower Upper
252 100
253 20.9 17.0 25.4
125 11.9 6.2 9.4#



#92
Benzo(g,h,i)perylene
Concen: 4.405 ng
RT: 17.374 min Scan# 2599
Delta R.T. -0.000 min
Lab File: BF134765.D
Acq: 14 Aug 2023 18:13

Tgt Ion:276 Resp: 71021
Ion Ratio Lower Upper
276 100
277 24.2 19.0 28.6
138 21.3 12.2 18.2#

