

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072523\
 Data File : BF134474.D
 Acq On : 25 Jul 2023 21:23
 Operator : CG\JU
 Sample : 03654-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 26 02:07:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 01:46:04 2023
 Response via : Initial Calibration

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

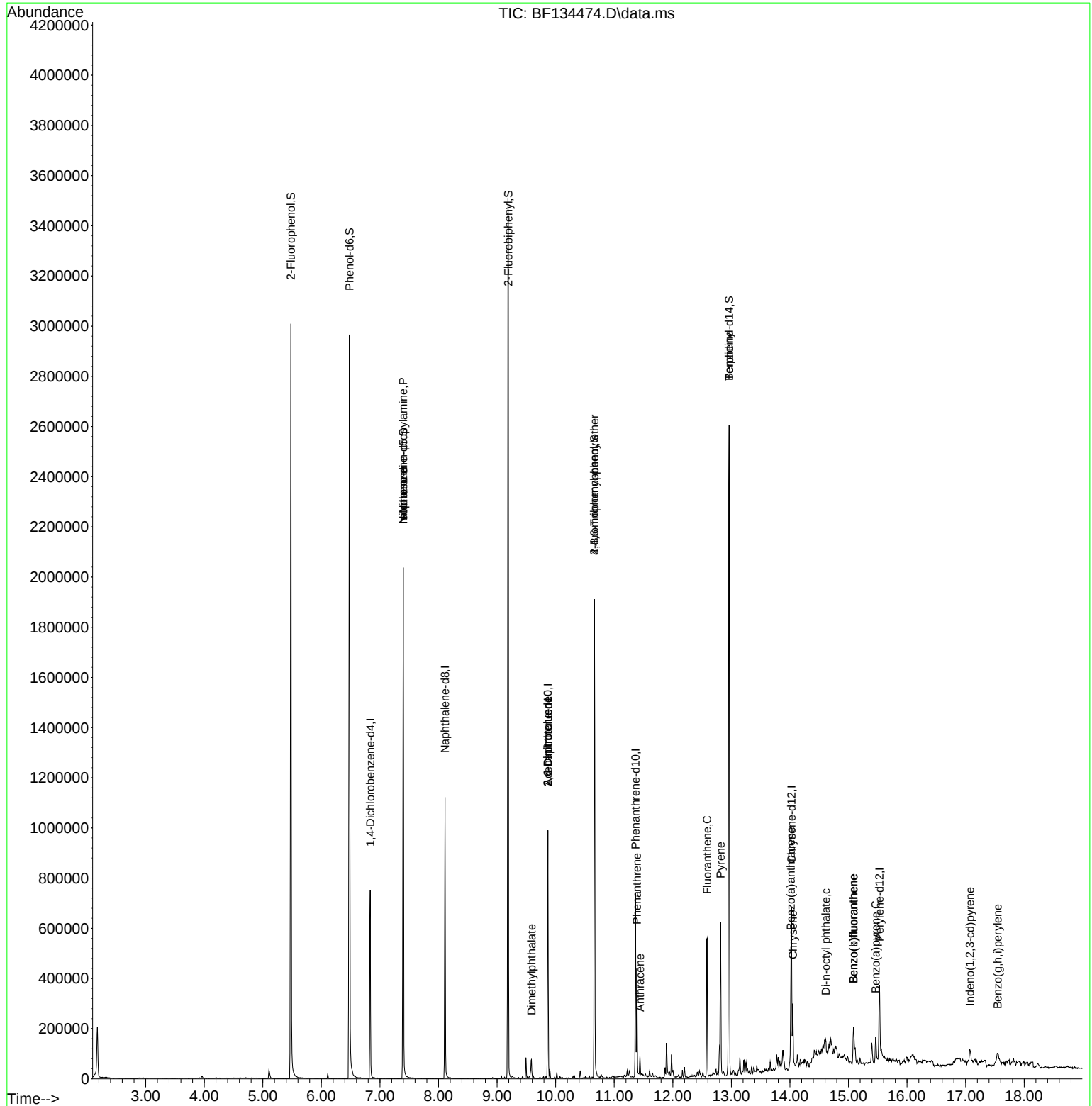
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	111473	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	421822	20.000	ng	# 0.00
39) Acenaphthene-d10	9.869	164	175046	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	240411	20.000	ng	# 0.00
76) Chrysene-d12	14.027	240	186179	20.000	ng	0.00
86) Perylene-d12	15.527	264	145092	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	785032	116.353	ng	0.01
7) Phenol-d6	6.481	99	953035	115.291	ng	0.00
23) Nitrobenzene-d5	7.398	82	620075	74.374	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	233677	93.956	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	1141635	85.619	ng	0.00
79) Terphenyl-d14	12.963	244	936178	87.778	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.398	70	86532	16.815	ng	# 75
25) Isophorone	7.398	82	620069	44.625	ng	# 65
50) Dimethylphthalate	9.586	163	29733	2.291	ng	97
51) 2,6-Dinitrotoluene	9.869	165	22512	7.907	ng	# 17
57) 2,4-Dinitrotoluene	9.869	165	22512	5.887	ng	# 18
67) 4-Bromophenyl-phenylether	10.663	248	13529	5.136	ng	# 1
71) Phenanthrene	11.386	178	136505	10.867	ng	98
72) Anthracene	11.439	178	31034	2.394	ng	96
75) Fluoranthene	12.586	202	243827	16.656	ng	99
77) Benzidine	12.963	184	12649	3.182	ng	96
78) Pyrene	12.816	202	236346	15.965	ng	98
81) Benzo(a)anthracene	14.016	228	92589	7.128	ng	99
83) Chrysene	14.051	228	91736	7.384	ng	99
85) Di-n-octyl phthalate	14.610	149	36018	3.598	ng	# 25
87) Indeno(1,2,3-cd)pyrene	17.074	276	35401	3.735	ng	# 95
88) Benzo(b)fluoranthene	15.086	252	107871	11.884	ng	# 98
89) Benzo(k)fluoranthene	15.086	252	107871	12.084	ng	99
90) Benzo(a)pyrene	15.462	252	55167	6.575	ng	# 95
92) Benzo(g,h,i)perylene	17.545	276	36884	4.693	ng	98

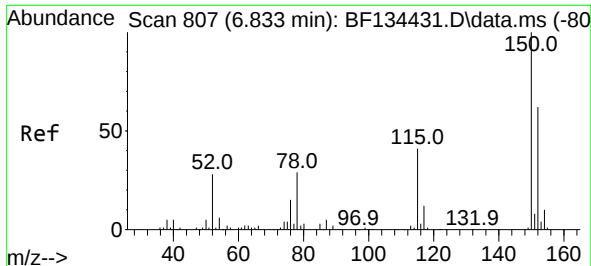
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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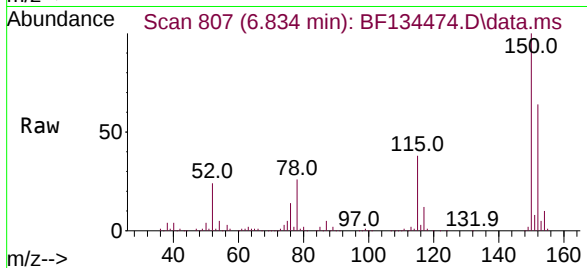
Quant Time: Jul 26 02:07:13 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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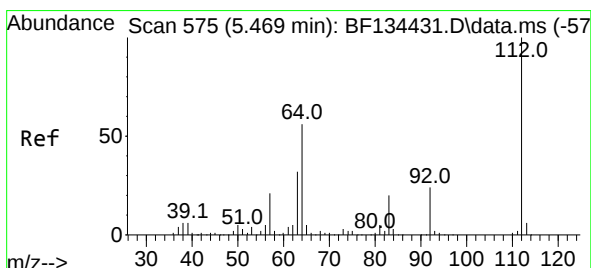
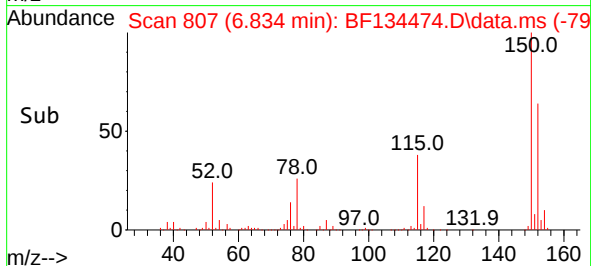
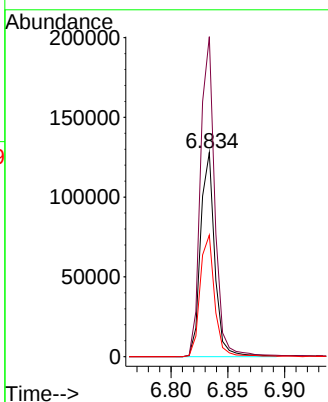


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 807
Delta R.T. 0.001 min
Lab File: BF134474.D
Acq: 25 Jul 2023 21:23

Instrument :
BNA_F
ClientSampleId :

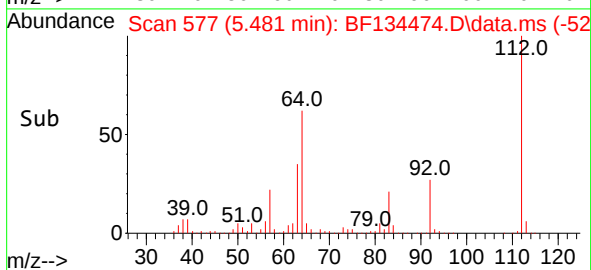
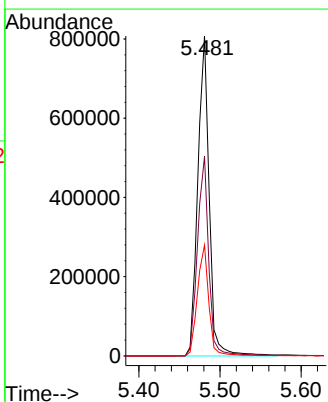
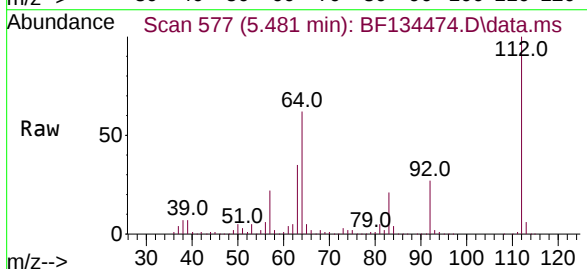


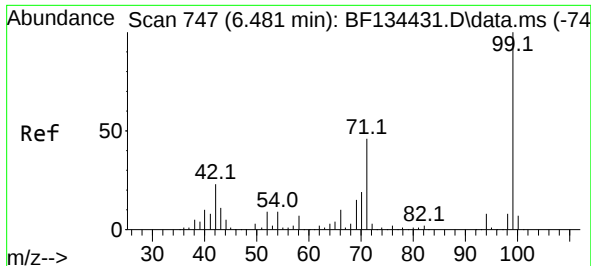
Tgt Ion:152 Resp: 111473
Ion Ratio Lower Upper
152 100
150 156.8 128.3 192.5
115 59.6 52.4 78.6



#5
2-Fluorophenol
Concen: 116.353 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.012 min
Lab File: BF134474.D
Acq: 25 Jul 2023 21:23

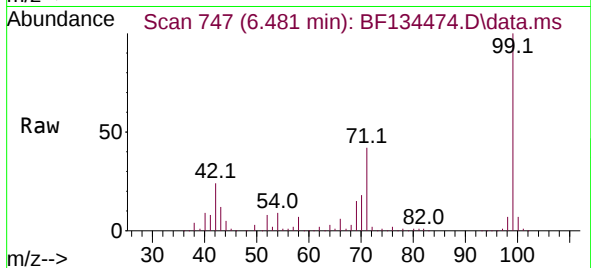
Tgt Ion:112 Resp: 785032
Ion Ratio Lower Upper
112 100
64 62.4 44.9 67.3
63 34.6 25.4 38.0



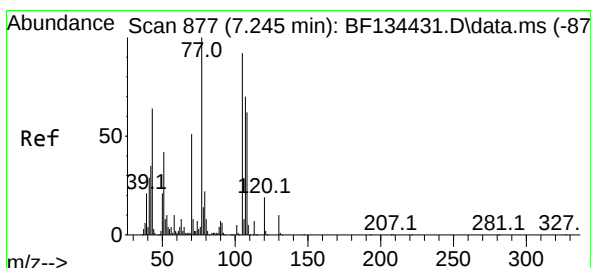
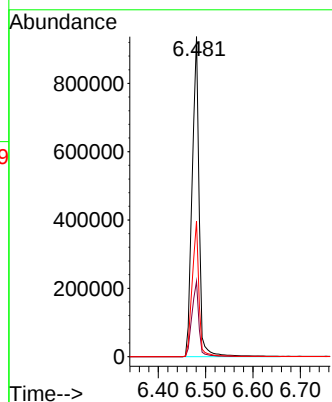
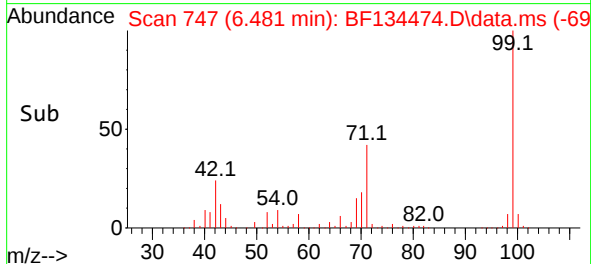


#7
Phenol-d6
Concen: 115.291 ng
RT: 6.481 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF134474.D
Acq: 25 Jul 2023 21:23

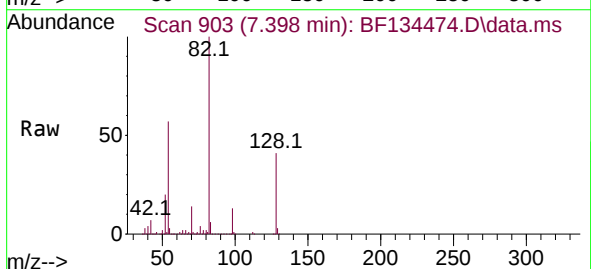
Instrument :
BNA_F
ClientSampleId :



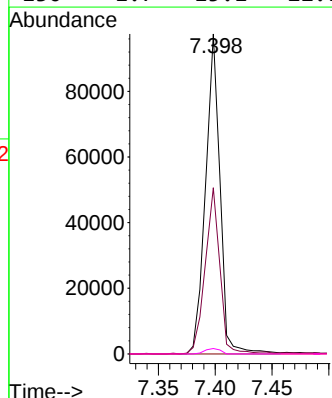
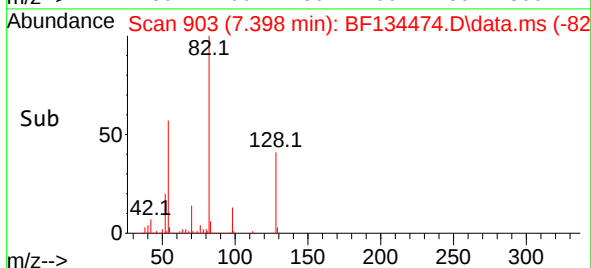
Tgt Ion: 99 Resp: 953035
Ion Ratio Lower Upper
99 100
42 23.5 18.7 28.1
71 42.3 36.4 54.6

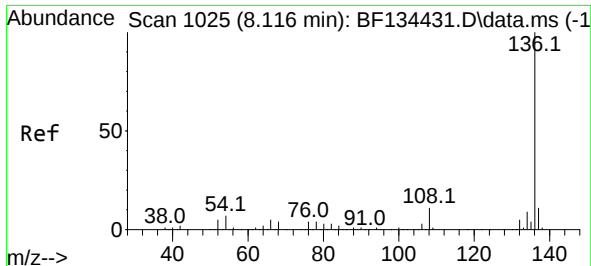


#19
n-Nitroso-di-n-propylamine
Concen: 16.815 ng
RT: 7.398 min Scan# 903
Delta R.T. 0.153 min
Lab File: BF134474.D
Acq: 25 Jul 2023 21:23



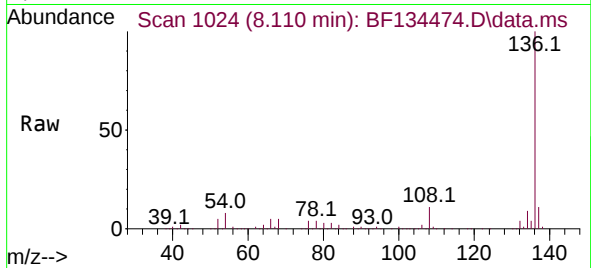
Tgt Ion: 70 Resp: 86532
Ion Ratio Lower Upper
70 100
42 51.9 54.7 82.1#
101 0.0 8.2 12.2#
130 1.7 15.1 22.7#



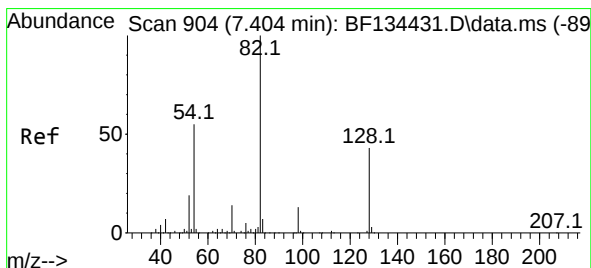
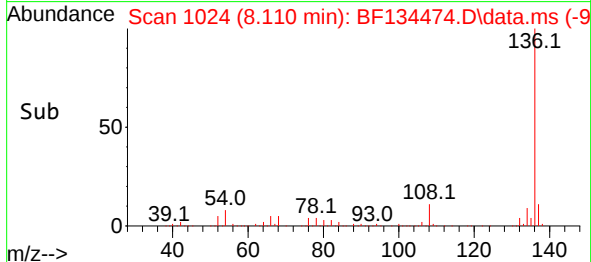
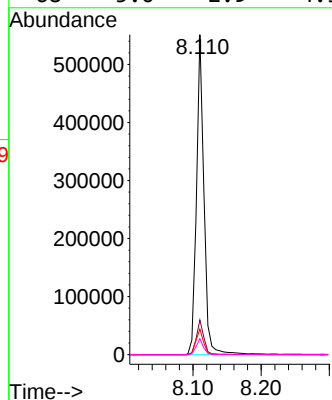


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134474.D
Acq: 25 Jul 2023 21:23

Instrument :
BNA_F
ClientSampleId :

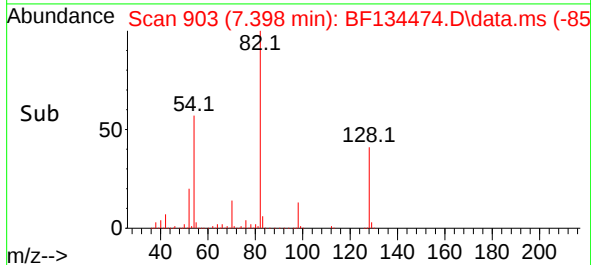
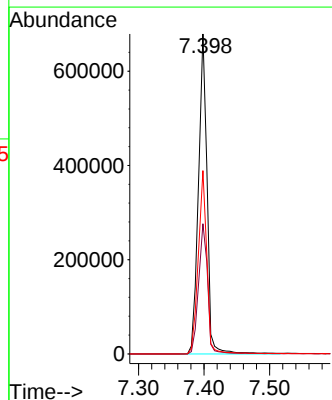
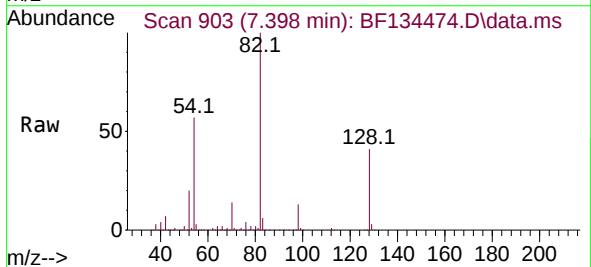


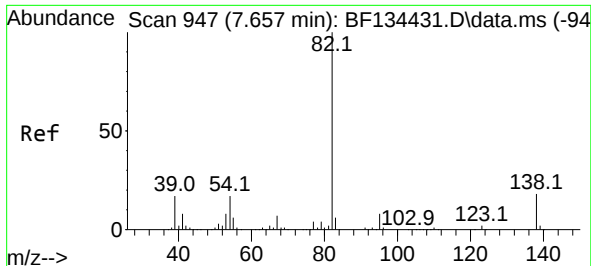
Tgt Ion:136 Resp: 421822
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 8.0 5.2 7.8#
68 5.0 2.9 4.3#



#23
Nitrobenzene-d5
Concen: 74.374 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.006 min
Lab File: BF134474.D
Acq: 25 Jul 2023 21:23

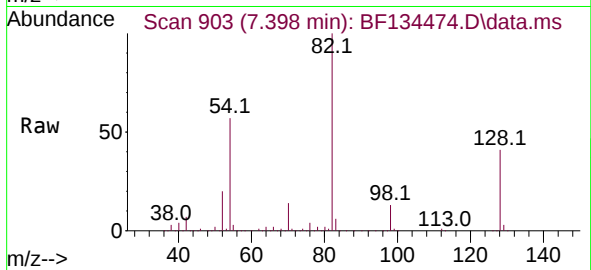
Tgt Ion: 82 Resp: 620075
Ion Ratio Lower Upper
82 100
128 40.7 34.3 51.5
54 57.3 43.8 65.6



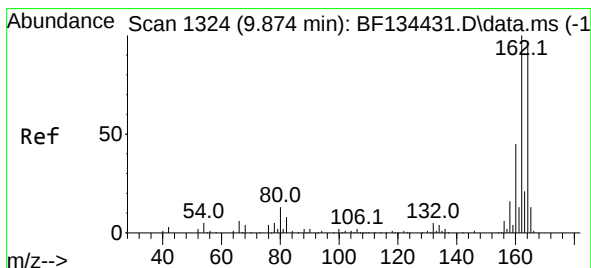
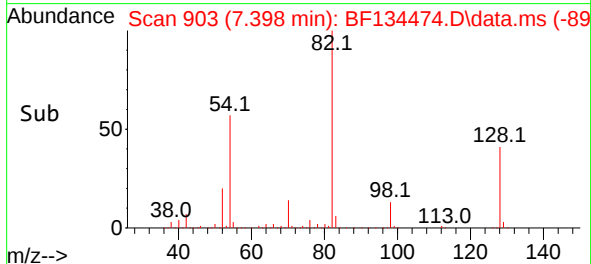
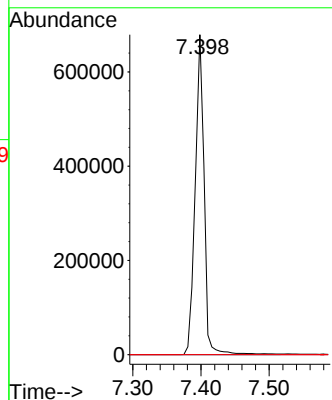


#25
Isophorone
Concen: 44.625 ng
RT: 7.398 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF134474.D
Acq: 25 Jul 2023 21:23

Instrument :
BNA_F
ClientSampleId :

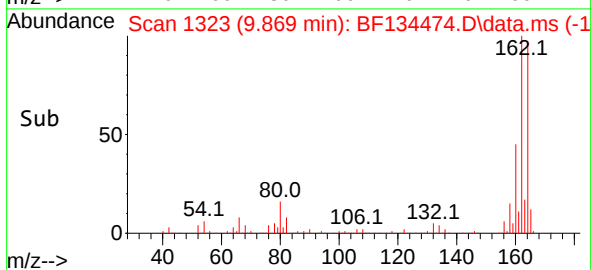
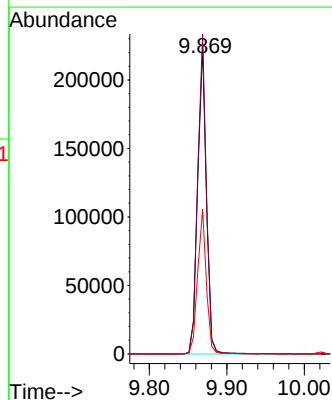
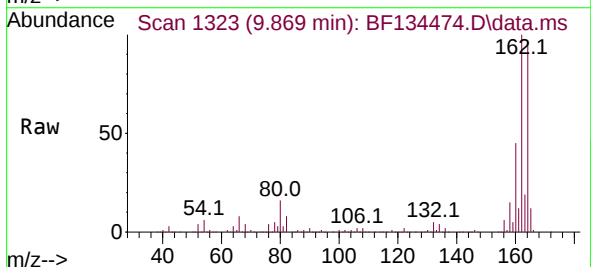


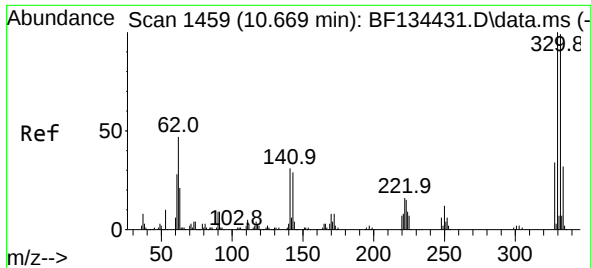
Tgt Ion: 82 Resp: 620069
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF134474.D
Acq: 25 Jul 2023 21:23

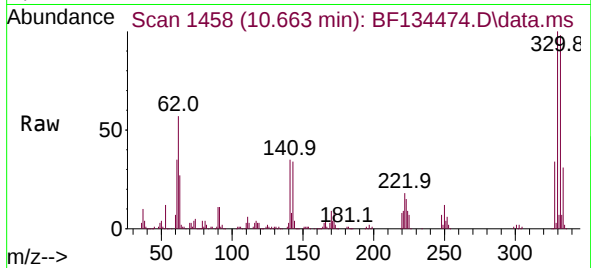
Tgt Ion: 164 Resp: 175046
Ion Ratio Lower Upper
164 100
162 104.1 82.6 123.8
160 47.1 37.2 55.8



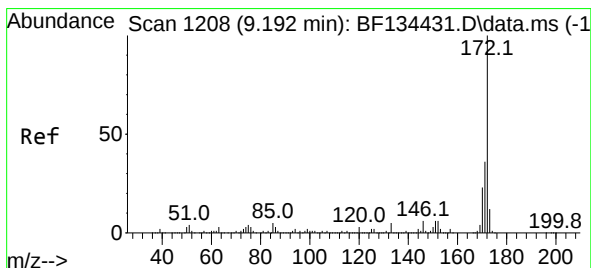
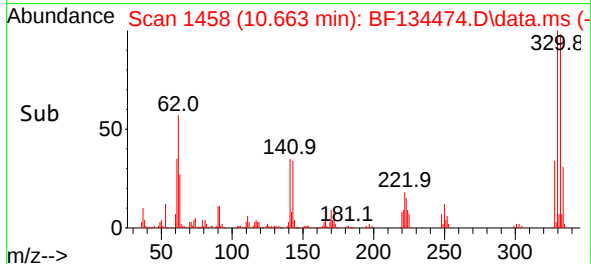
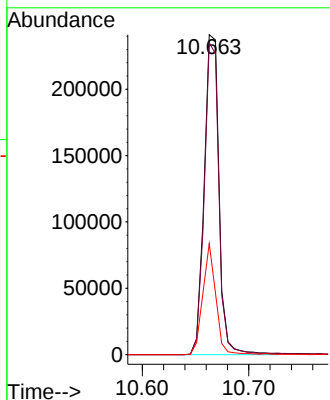


#42
2,4,6-Tribromophenol
Concen: 93.956 ng
RT: 10.663 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF134474.D
Acq: 25 Jul 2023 21:23

Instrument :
BNA_F
ClientSampleId :

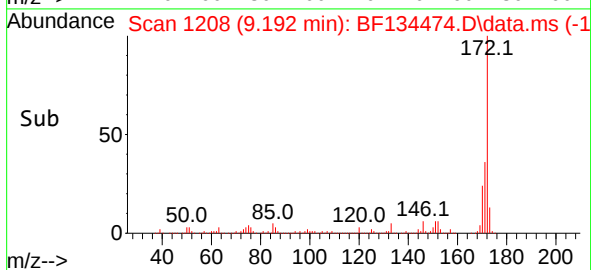
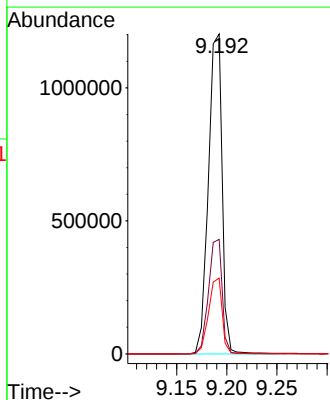
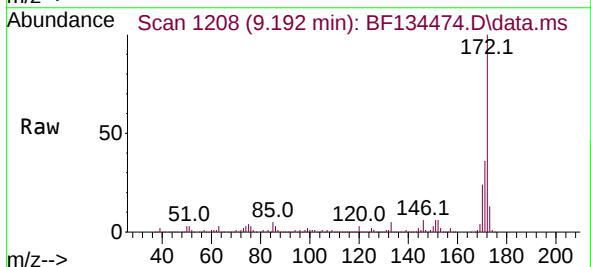


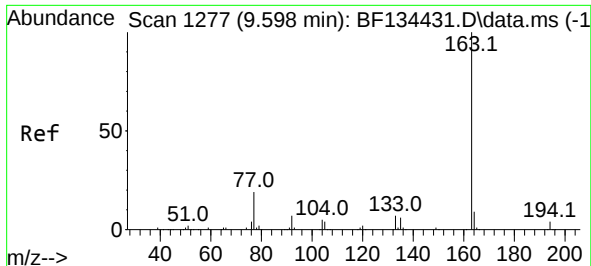
Tgt Ion: 330 Resp: 233677
Ion Ratio Lower Upper
330 100
332 95.4 78.8 118.2
141 30.4 25.4 38.2



#45
2-Fluorobiphenyl
Concen: 85.619 ng
RT: 9.192 min Scan# 1208
Delta R.T. 0.000 min
Lab File: BF134474.D
Acq: 25 Jul 2023 21:23

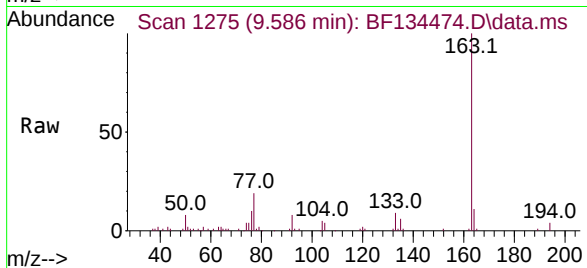
Tgt Ion: 172 Resp: 1141635
Ion Ratio Lower Upper
172 100
171 35.8 28.8 43.2
170 23.7 18.7 28.1



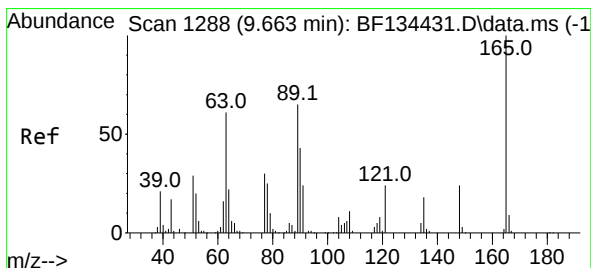
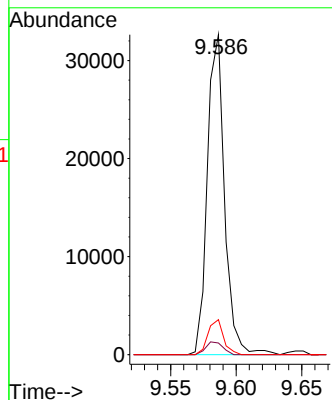
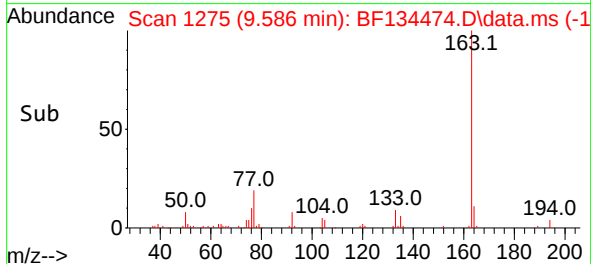


#50
Dimethylphthalate
Concen: 2.291 ng
RT: 9.586 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134474.D
Acq: 25 Jul 2023 21:23

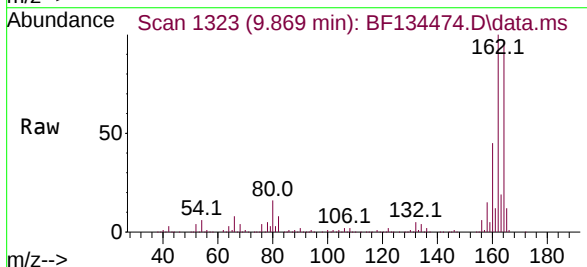
Instrument :
BNA_F
ClientSampleId :



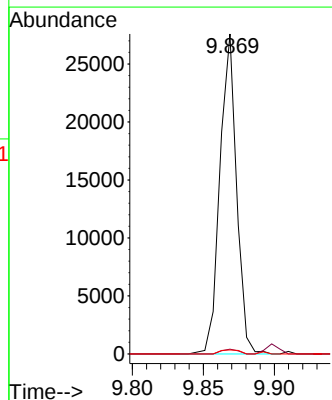
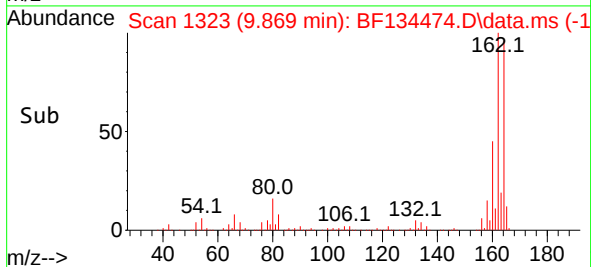
Tgt Ion:163 Resp: 29733
Ion Ratio Lower Upper
163 100
194 3.6 3.3 4.9
164 10.9 7.5 11.3

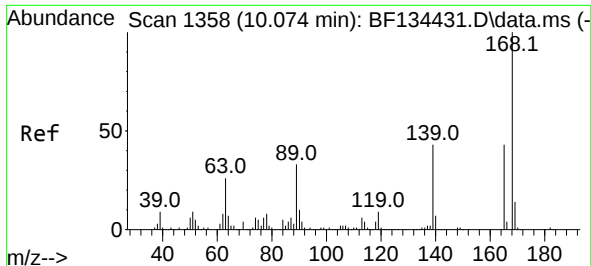


#51
2,6-Dinitrotoluene
Concen: 7.907 ng
RT: 9.869 min Scan# 1323
Delta R.T. 0.206 min
Lab File: BF134474.D
Acq: 25 Jul 2023 21:23



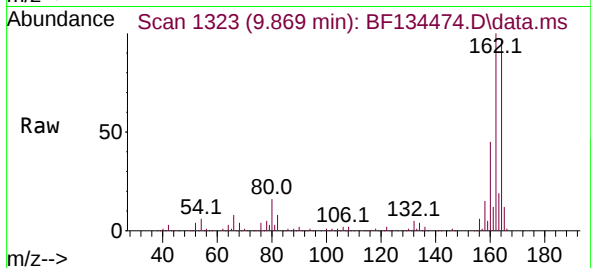
Tgt Ion:165 Resp: 22512
Ion Ratio Lower Upper
165 100
63 1.5 57.8 86.6#
89 1.2 51.8 77.8#



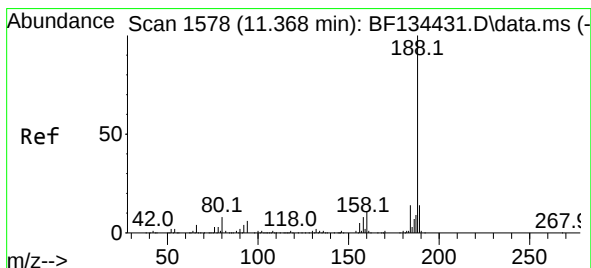
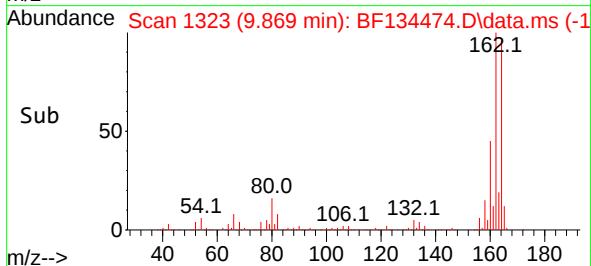
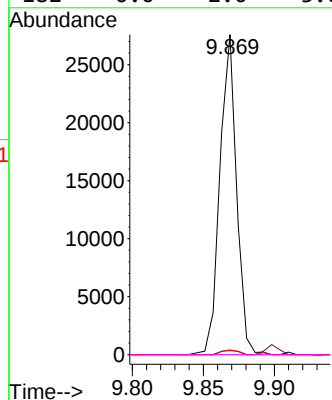


#57
2,4-Dinitrotoluene
Concen: 5.887 ng
RT: 9.869 min Scan# 1358
Delta R.T. -0.206 min
Lab File: BF134474.D
Acq: 25 Jul 2023 21:23

Instrument :
BNA_F
ClientSampleId :

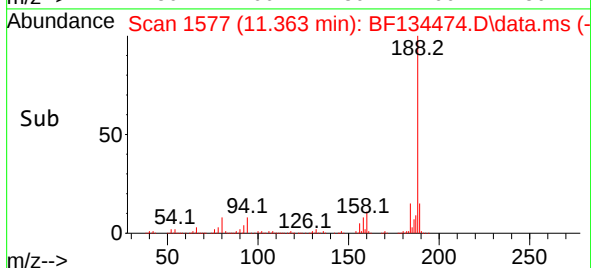
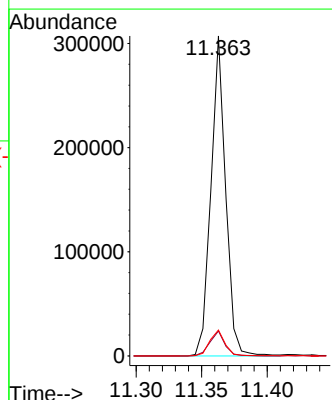
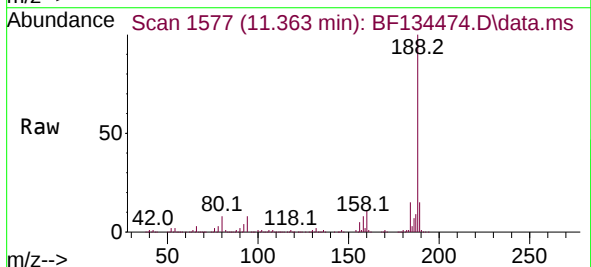


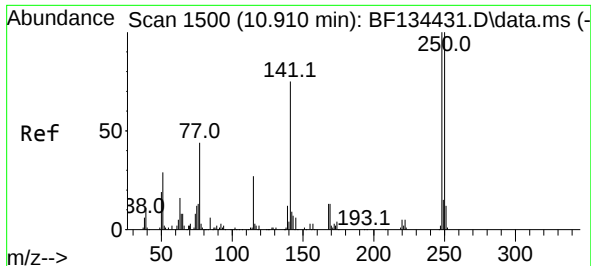
Tgt Ion:165 Resp: 22512
Ion Ratio Lower Upper
165 100
63 1.5 48.9 73.3#
89 1.2 61.7 92.5#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF134474.D
Acq: 25 Jul 2023 21:23

Tgt Ion:188 Resp: 240411
Ion Ratio Lower Upper
188 100
94 7.8 5.1 7.7#
80 8.1 6.6 9.8

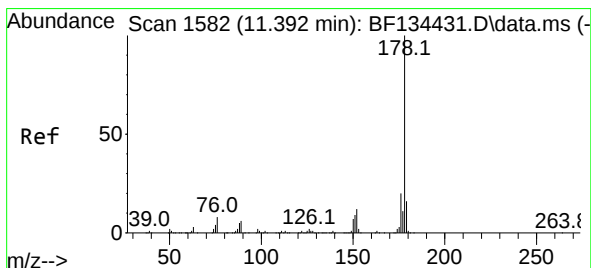
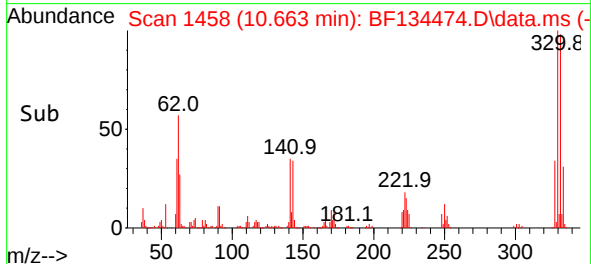
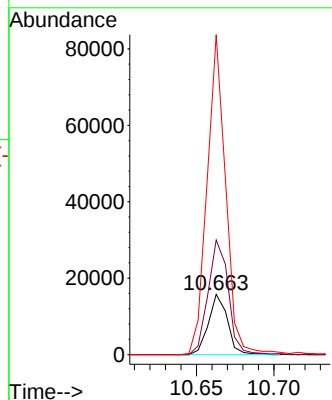
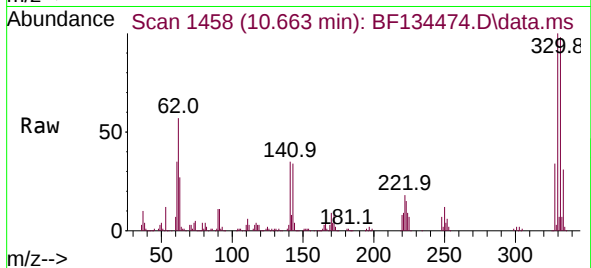




#67
4-Bromophenyl-phenylether
Concen: 5.136 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.247 min
Lab File: BF134474.D
Acq: 25 Jul 2023 21:23

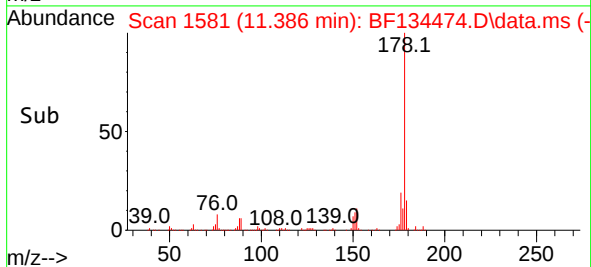
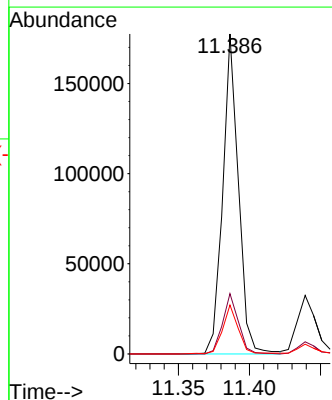
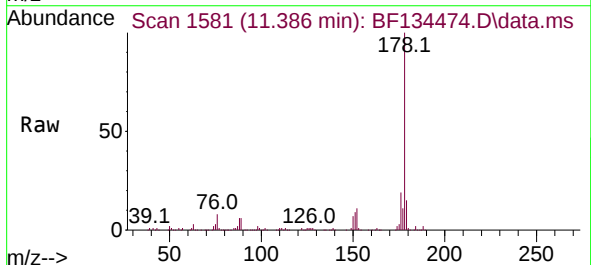
Instrument :
BNA_F
ClientSampleId :

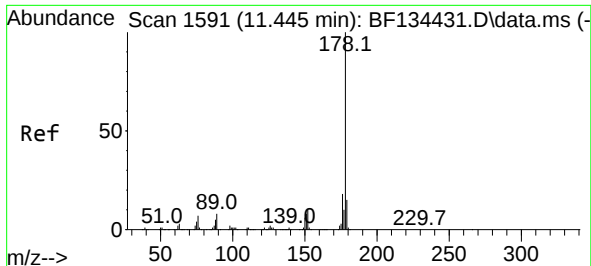
Tgt Ion:248 Resp: 13529
Ion Ratio Lower Upper
248 100
250 190.1 79.6 119.4#
141 530.6 59.6 89.4#



#71
Phenanthrene
Concen: 10.867 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF134474.D
Acq: 25 Jul 2023 21:23

Tgt Ion:178 Resp: 136505
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.6
179 15.3 12.7 19.1

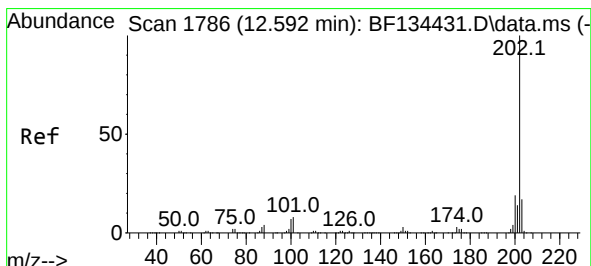
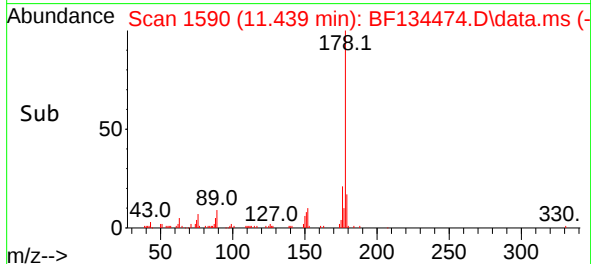
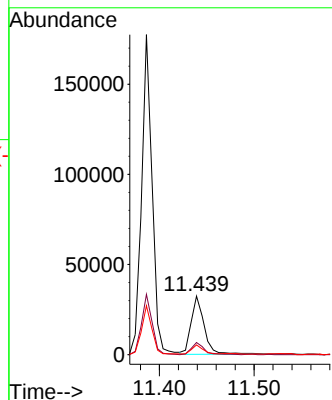
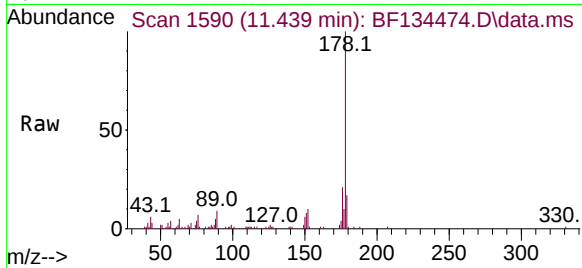




#72
 Anthracene
 Concen: 2.394 ng
 RT: 11.439 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF134474.D
 Acq: 25 Jul 2023 21:23

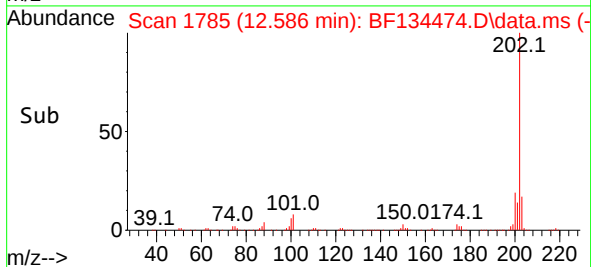
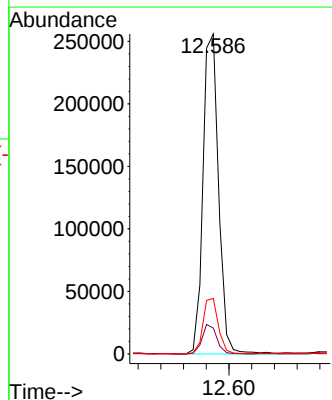
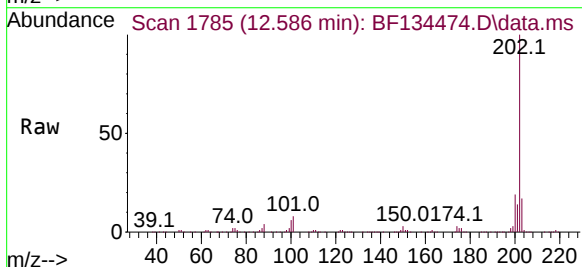
Instrument :
 BNA_F
 ClientSampleId :

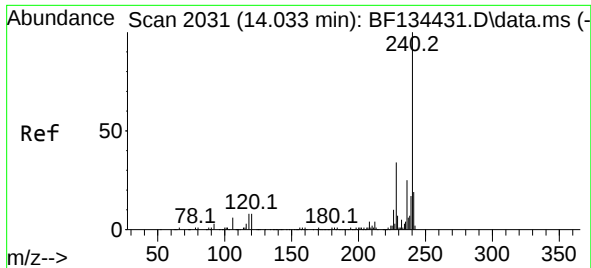
Tgt Ion:178 Resp: 31034
 Ion Ratio Lower Upper
 178 100
 176 20.6 14.6 21.8
 179 16.7 12.3 18.5



#75
 Fluoranthene
 Concen: 16.656 ng
 RT: 12.586 min Scan# 1785
 Delta R.T. -0.006 min
 Lab File: BF134474.D
 Acq: 25 Jul 2023 21:23

Tgt Ion:202 Resp: 243827
 Ion Ratio Lower Upper
 202 100
 101 8.1 0.0 28.5
 203 17.3 0.0 37.5

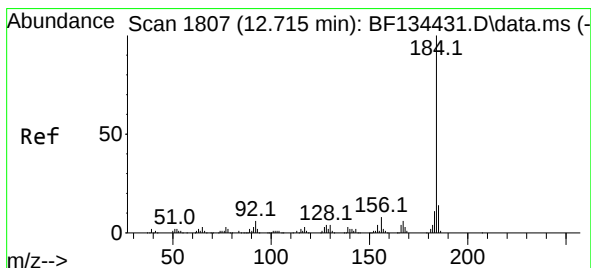
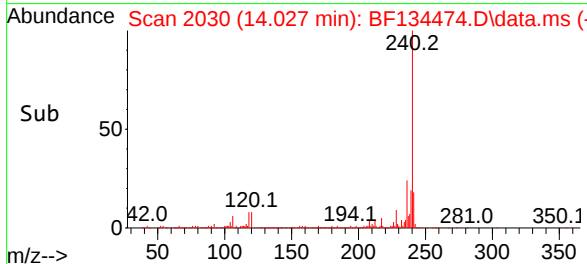
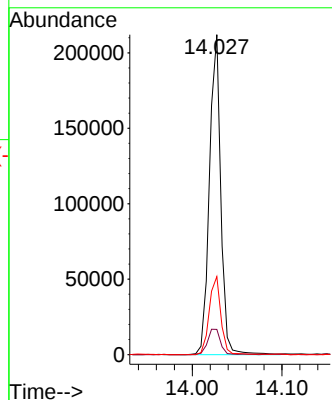
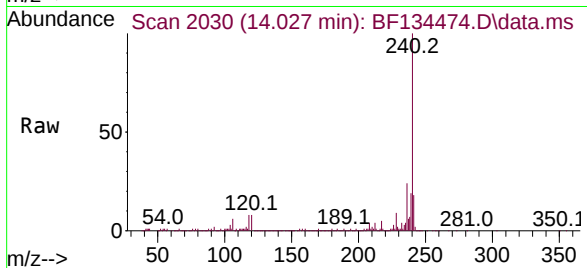




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF134474.D
Acq: 25 Jul 2023 21:23

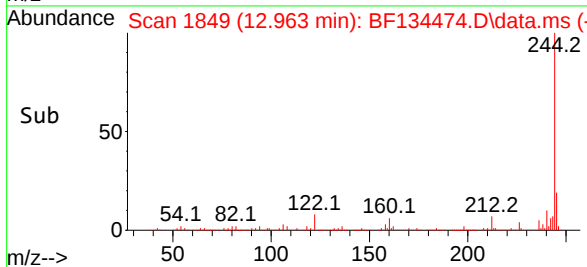
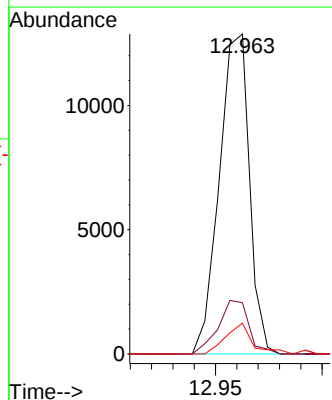
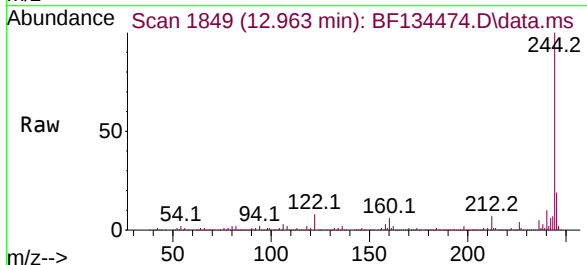
Instrument :
BNA_F
ClientSampleId :

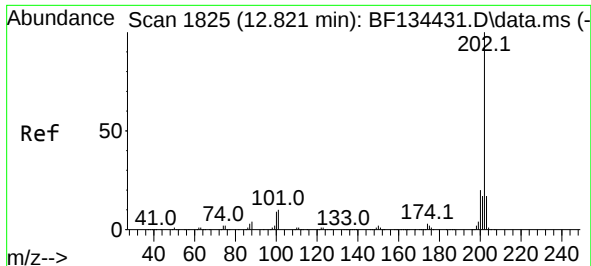
Tgt Ion:240 Resp: 186179
Ion Ratio Lower Upper
240 100
120 7.9 6.6 10.0
236 24.4 20.2 30.2



#77
Benzidine
Concen: 3.182 ng
RT: 12.963 min Scan# 1849
Delta R.T. 0.248 min
Lab File: BF134474.D
Acq: 25 Jul 2023 21:23

Tgt Ion:184 Resp: 12649
Ion Ratio Lower Upper
184 100
185 16.0 11.2 16.8
183 9.6 8.6 13.0

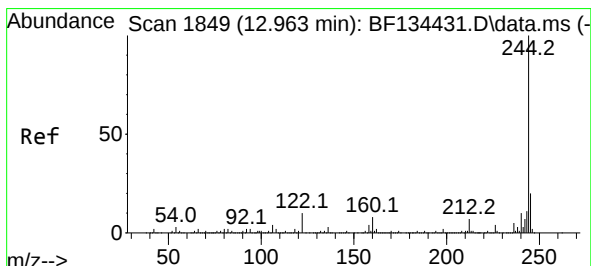
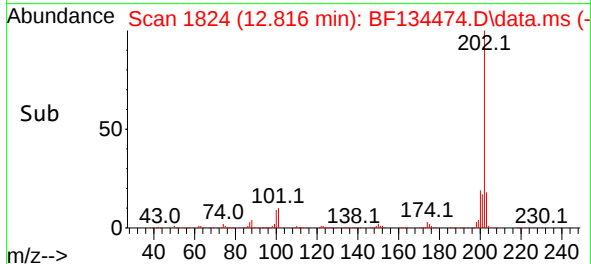
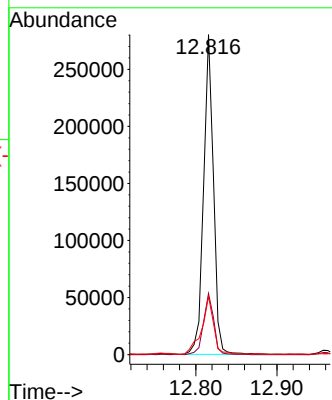
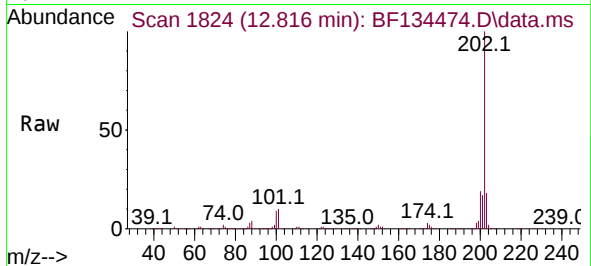




#78
Pyrene
Concen: 15.965 ng
RT: 12.816 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF134474.D
Acq: 25 Jul 2023 21:23

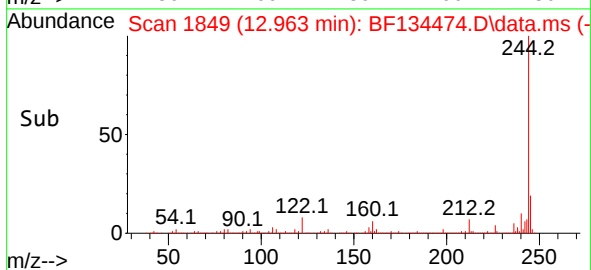
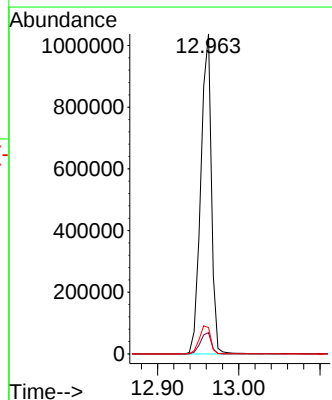
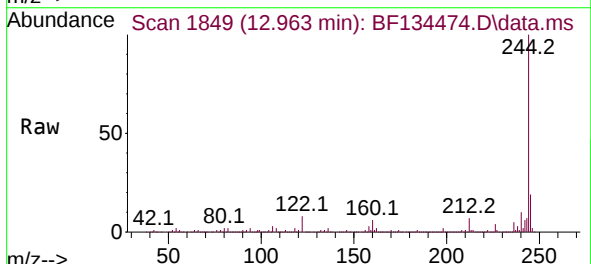
Instrument :
BNA_F
ClientSampleId :

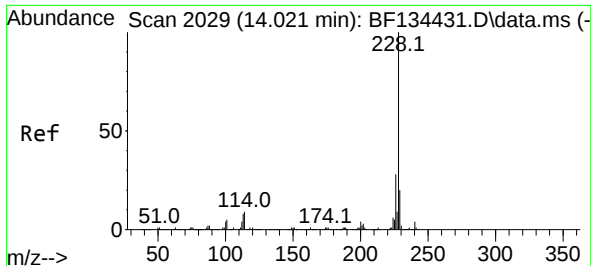
Tgt Ion:202 Resp: 236346
Ion Ratio Lower Upper
202 100
200 19.1 15.8 23.8
203 18.2 13.5 20.3



#79
Terphenyl-d14
Concen: 87.778 ng
RT: 12.963 min Scan# 1849
Delta R.T. 0.000 min
Lab File: BF134474.D
Acq: 25 Jul 2023 21:23

Tgt Ion:244 Resp: 936178
Ion Ratio Lower Upper
244 100
212 6.6 5.6 8.4
122 8.2 8.0 12.0

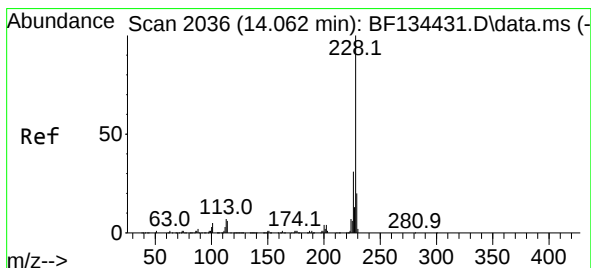
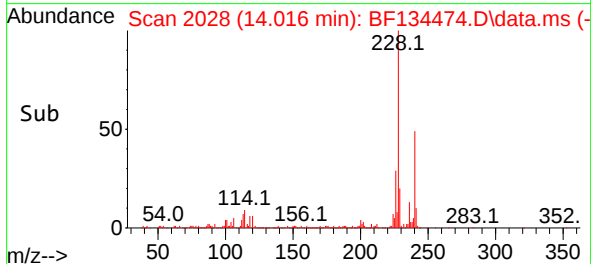
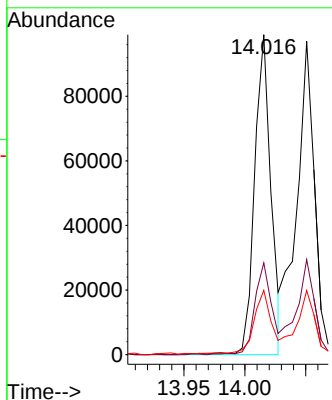
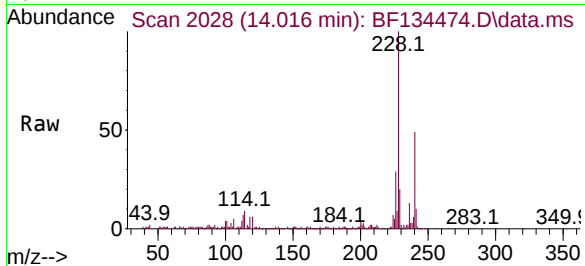




#81
Benzo(a)anthracene
Concen: 7.128 ng
RT: 14.016 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF134474.D
Acq: 25 Jul 2023 21:23

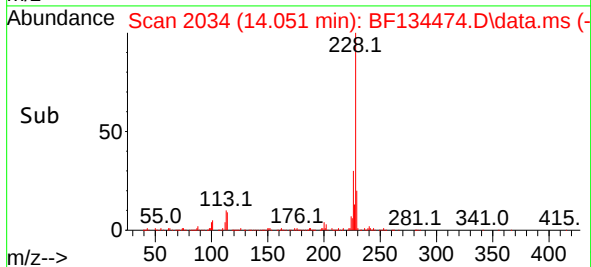
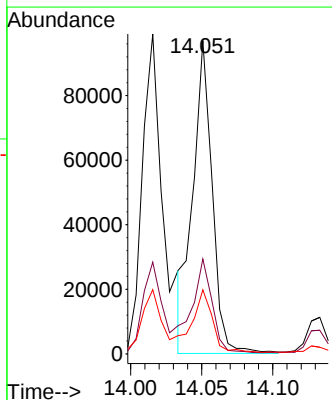
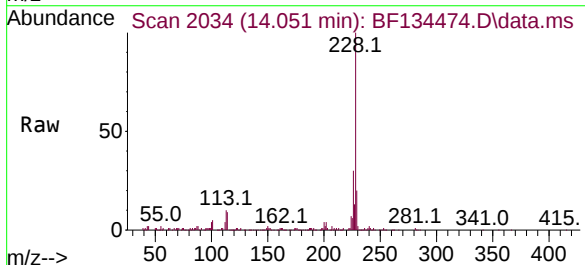
Instrument :
BNA_F
ClientSampleId :

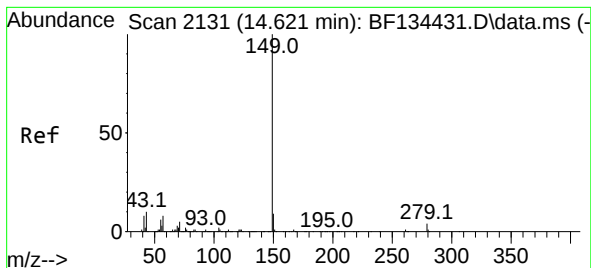
Tgt Ion:228 Resp: 92589
Ion Ratio Lower Upper
228 100
226 28.7 22.3 33.5
229 20.1 15.8 23.6



#83
Chrysene
Concen: 7.384 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.012 min
Lab File: BF134474.D
Acq: 25 Jul 2023 21:23

Tgt Ion:228 Resp: 91736
Ion Ratio Lower Upper
228 100
226 30.3 24.5 36.7
229 20.4 15.8 23.8





#85

Di-n-octyl phthalate

Concen: 3.598 ng

RT: 14.610 min Scan# 2131

Delta R.T. -0.012 min

Lab File: BF134474.D

Acq: 25 Jul 2023 21:23

Instrument :

BNA_F

ClientSampleId :

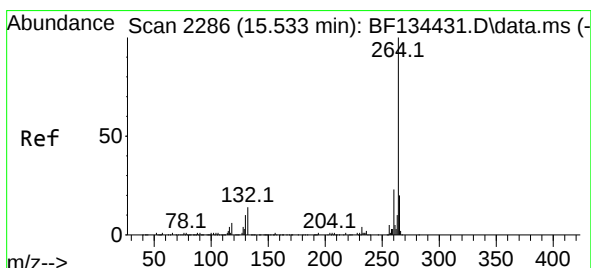
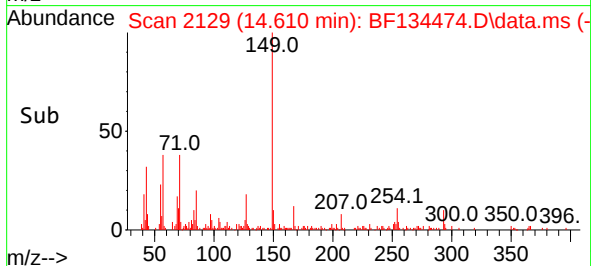
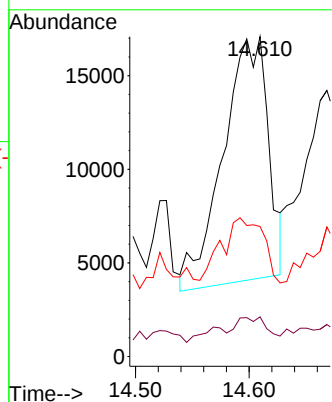
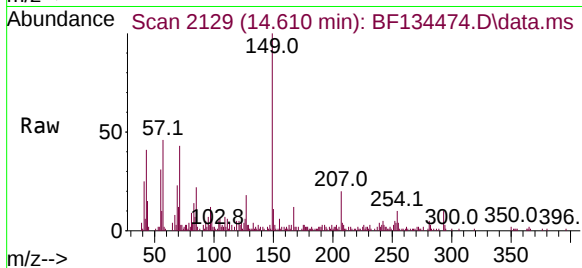
Tgt Ion:149 Resp: 36018

Ion Ratio Lower Upper

149 100

167 8.3 1.2 1.8#

43 41.1 8.1 12.1#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2285

Delta R.T. -0.006 min

Lab File: BF134474.D

Acq: 25 Jul 2023 21:23

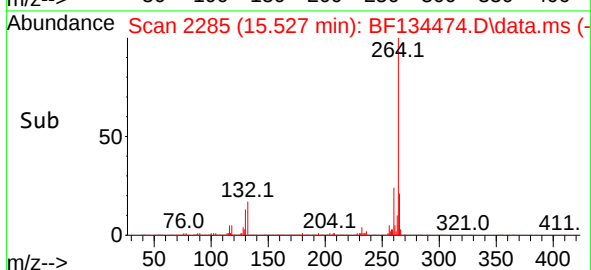
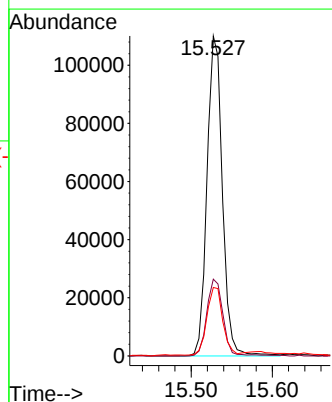
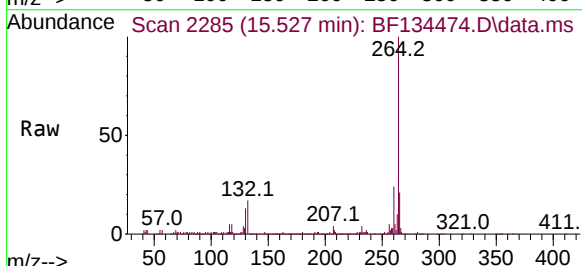
Tgt Ion:264 Resp: 145092

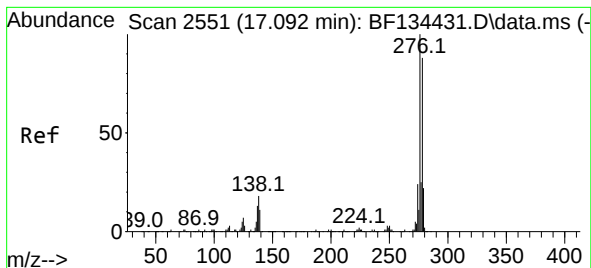
Ion Ratio Lower Upper

264 100

260 24.0 18.4 27.6

265 21.4 15.8 23.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.735 ng

RT: 17.074 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF134474.D

Acq: 25 Jul 2023 21:23

Instrument :

BNA_F

ClientSampleId :

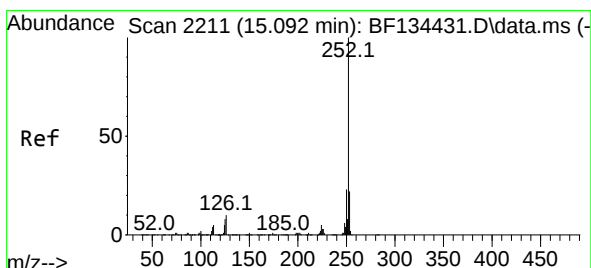
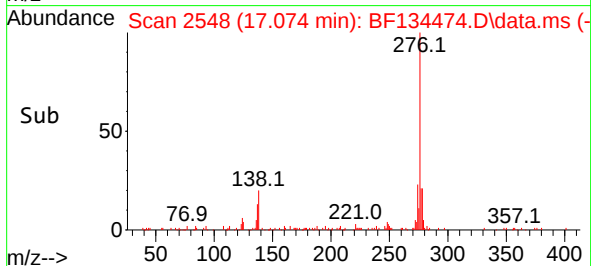
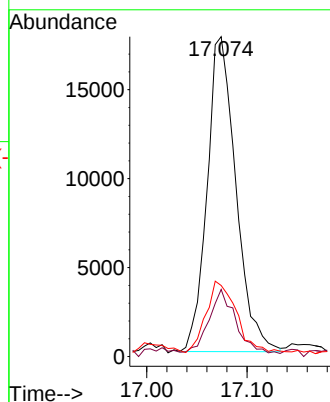
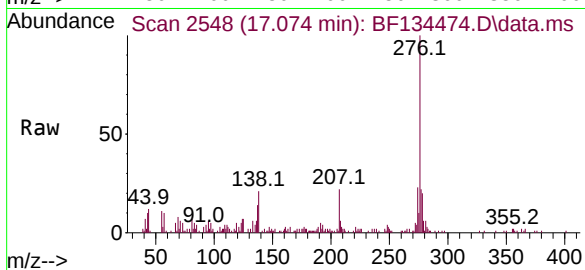
Tgt Ion:276 Resp: 35401

Ion Ratio Lower Upper

276 100

138 21.7 14.2 21.4#

277 23.8 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 11.884 ng

RT: 15.086 min Scan# 2210

Delta R.T. -0.006 min

Lab File: BF134474.D

Acq: 25 Jul 2023 21:23

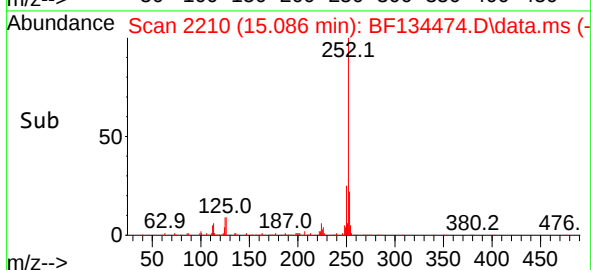
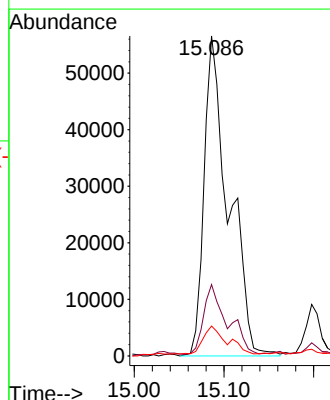
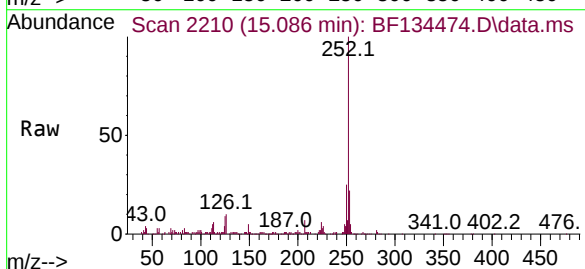
Tgt Ion:252 Resp: 107871

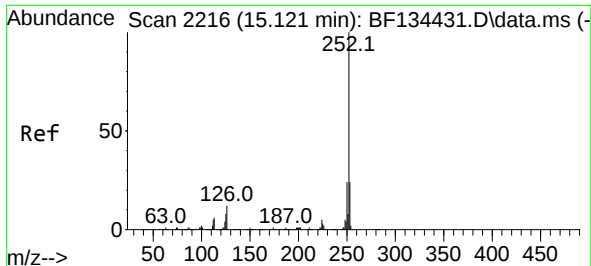
Ion Ratio Lower Upper

252 100

253 22.3 17.3 25.9

125 9.3 6.0 9.0#





#89

Benzo(k)fluoranthene

Concen: 12.084 ng

RT: 15.086 min Scan# 2216

Delta R.T. -0.035 min

Lab File: BF134474.D

Acq: 25 Jul 2023 21:23

Instrument :

BNA_F

ClientSampleId :

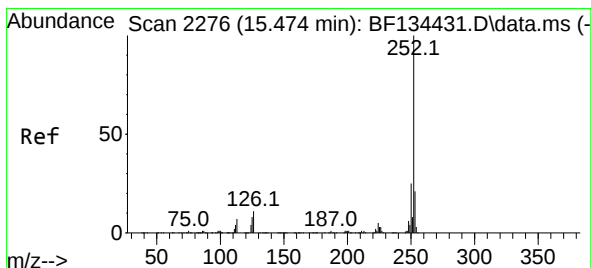
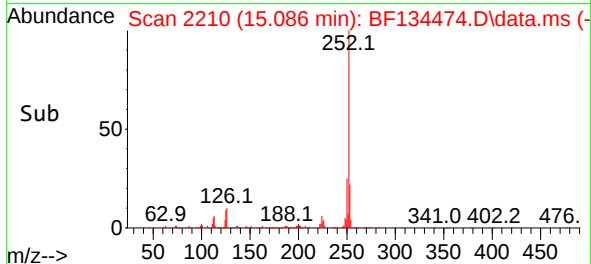
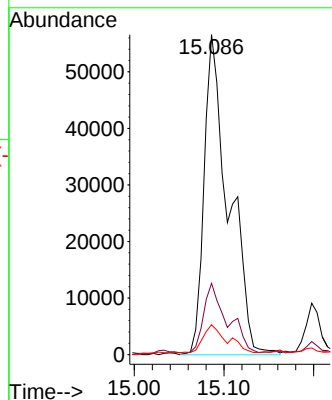
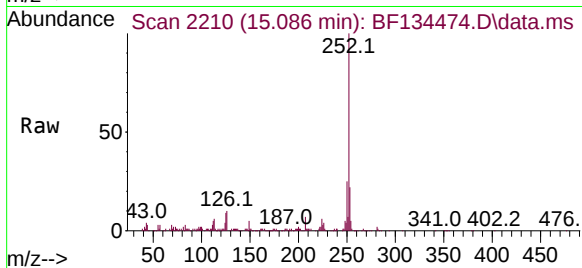
Tgt Ion:252 Resp: 107871

Ion Ratio Lower Upper

252 100

253 22.3 17.9 26.9

125 9.3 6.3 9.5



#90

Benzo(a)pyrene

Concen: 6.575 ng

RT: 15.462 min Scan# 2274

Delta R.T. -0.012 min

Lab File: BF134474.D

Acq: 25 Jul 2023 21:23

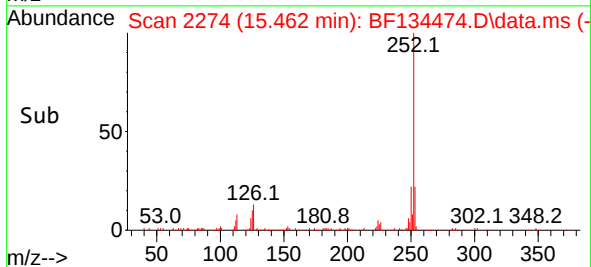
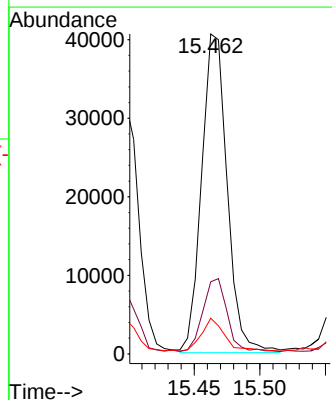
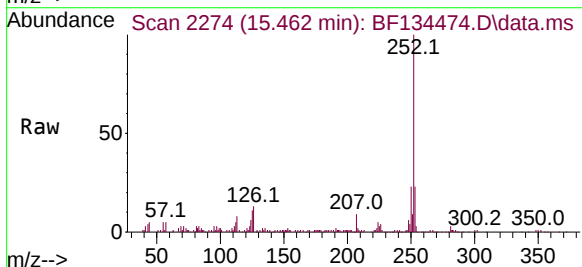
Tgt Ion:252 Resp: 55167

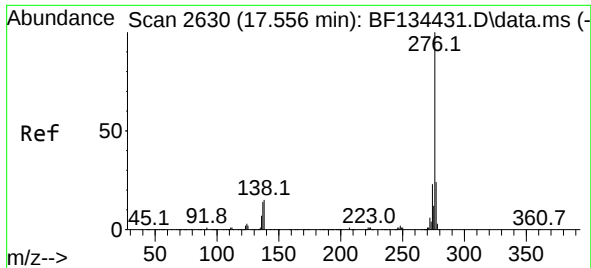
Ion Ratio Lower Upper

252 100

253 22.5 17.0 25.4

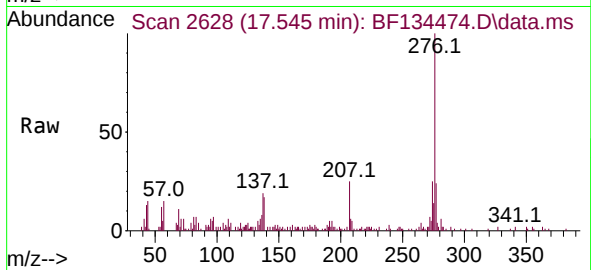
125 11.1 6.2 9.4#





#92
 Benzo(g,h,i)perylene
 Concen: 4.693 ng
 RT: 17.545 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: BF134474.D
 Acq: 25 Jul 2023 21:23

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion:276 Resp: 36884
 Ion Ratio Lower Upper
 276 100
 277 24.1 19.0 28.6
 138 16.6 12.2 18.2

