

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070523\
 Data File : BF134077.D
 Acq On : 05 Jul 2023 20:59
 Operator : CG\JU
 Sample : 03483-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-CHRT-24801

Quant Time: Jul 06 00:22:20 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 30 18:35:29 2023
 Response via : Initial Calibration

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

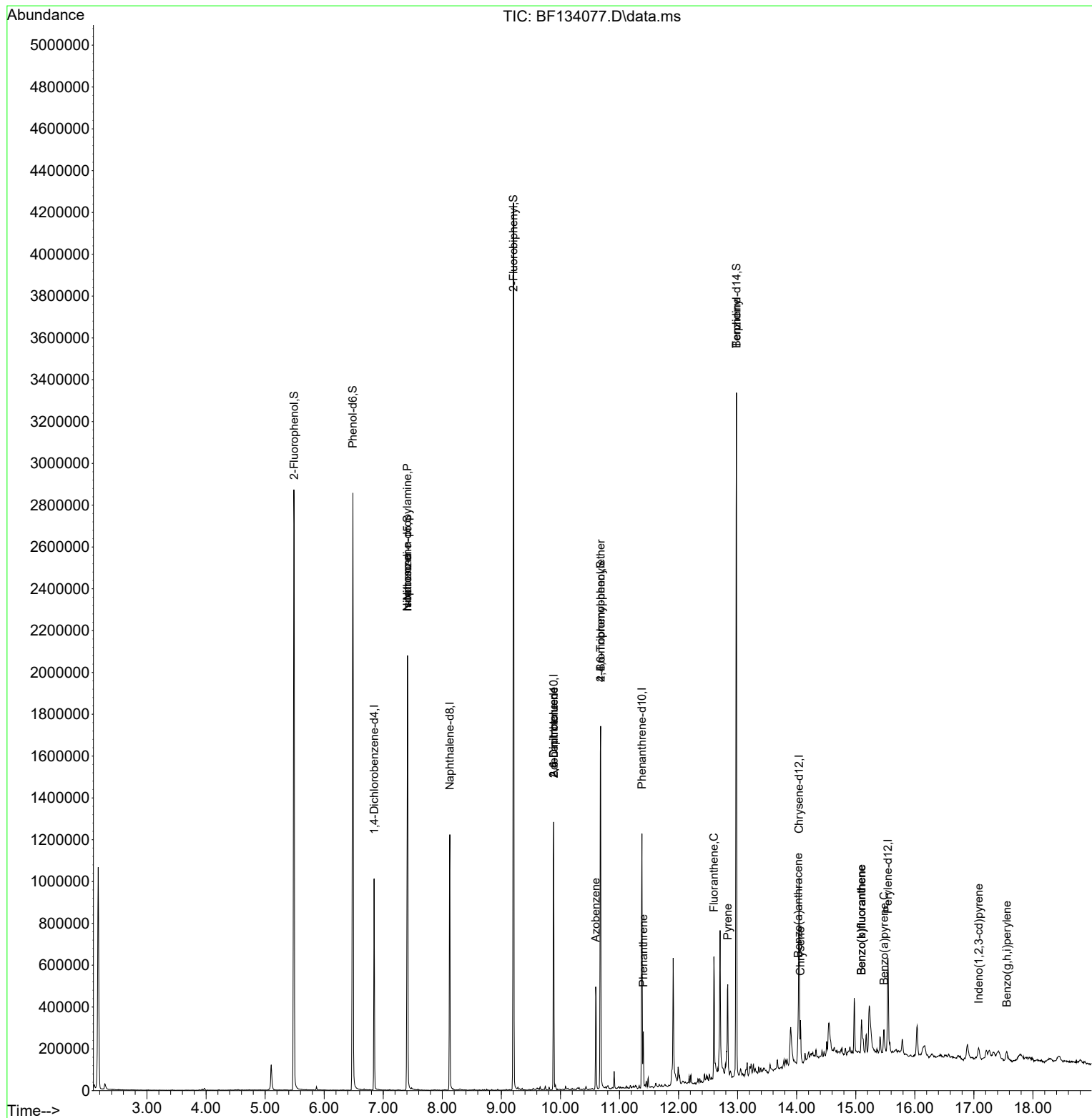
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	133066	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	514977	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	243675	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	426727	20.000	ng	0.00
76) Chrysene-d12	14.039	240	262142	20.000	ng	-0.01
86) Perylene-d12	15.545	264	229745	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	825000	103.710	ng	0.00
7) Phenol-d6	6.486	99	1000074	102.227	ng	0.00
23) Nitrobenzene-d5	7.410	82	696450	72.901	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	219074	71.705	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	1289936	76.964	ng	0.00
79) Terphenyl-d14	12.980	244	1171515	71.925	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.404	77	92	Below Cal	#	26
19) n-Nitroso-di-n-propyla...	7.410	70	98395	15.860	ng	# 77
25) Isophorone	7.410	82	696444	40.112	ng	# 64
51) 2,6-Dinitrotoluene	9.886	165	31186	8.186	ng	# 24
57) 2,4-Dinitrotoluene	9.886	165	31187	6.199	ng	# 23
63) Azobenzene	10.598	77	88724	5.090	ng	# 1
67) 4-Bromophenyl-phenylether	10.680	248	13669	3.014	ng	# 1
71) Phenanthrene	11.404	178	92645	4.313	ng	99
75) Fluoranthene	12.598	202	213738	9.203	ng	99
77) Benzidine	12.980	184	17412	2.792	ng	# 93
78) Pyrene	12.833	202	191261	7.840	ng	99
81) Benzo(a)anthracene	14.027	228	79299	4.362	ng	99
83) Chrysene	14.062	228	81000	4.600	ng	98
87) Indeno(1,2,3-cd)pyrene	17.080	276	37433	2.348	ng	96
88) Benzo(b)fluoranthene	15.098	252	123433	9.137	ng	# 97
89) Benzo(k)fluoranthene	15.098	252	123433	8.974	ng	97
90) Benzo(a)pyrene	15.480	252	60141	4.604	ng	99
92) Benzo(g,h,i)perylene	17.556	276	38064	2.835	ng	98

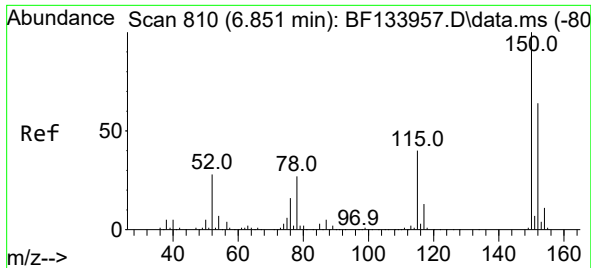
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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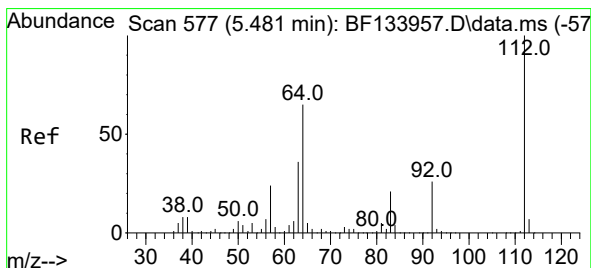
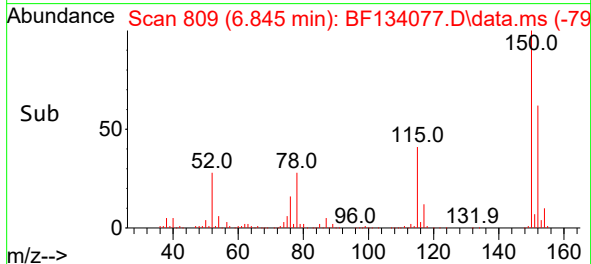
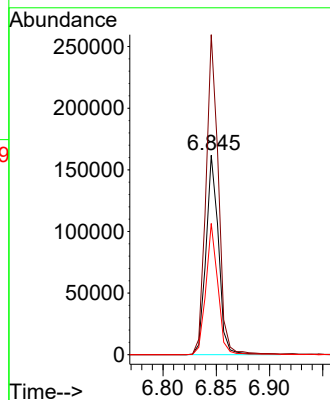
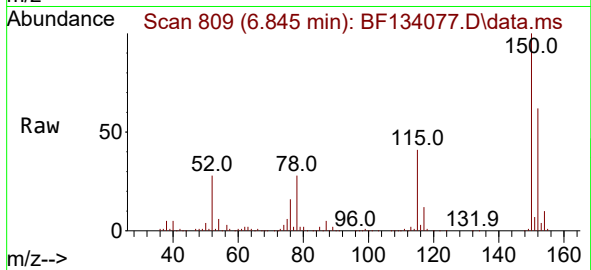




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 810
Delta R.T. -0.006 min
Lab File: BF134077.D
Acq: 05 Jul 2023 20:59

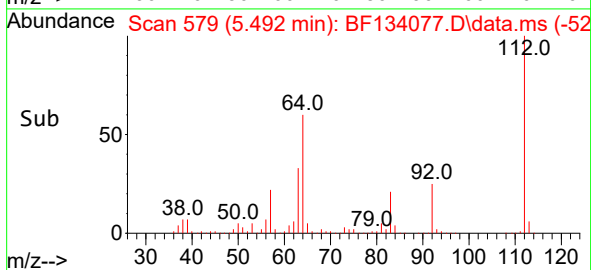
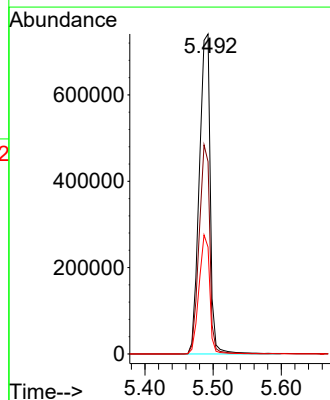
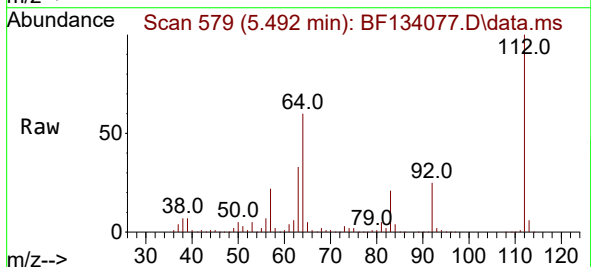
Instrument :
BNA_F
ClientSampleId :
RO-CHRT-24801

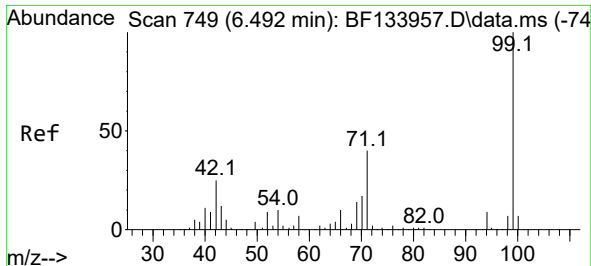
Tgt Ion:152 Resp: 133066
Ion Ratio Lower Upper
152 100
150 160.5 124.5 186.7
115 65.8 50.2 75.2



#5
2-Fluorophenol
Concen: 103.710 ng
RT: 5.492 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF134077.D
Acq: 05 Jul 2023 20:59

Tgt Ion:112 Resp: 825000
Ion Ratio Lower Upper
112 100
64 60.1 52.1 78.1
63 33.4 28.6 42.8

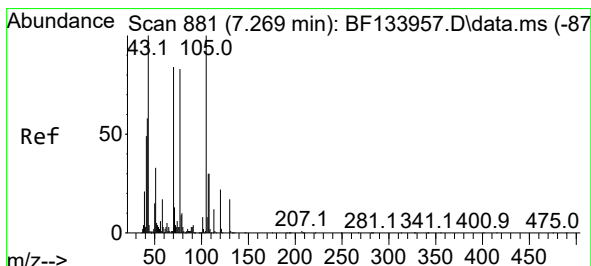
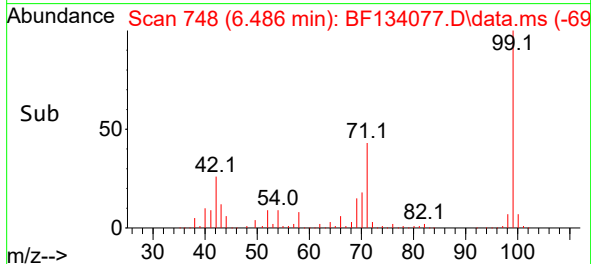
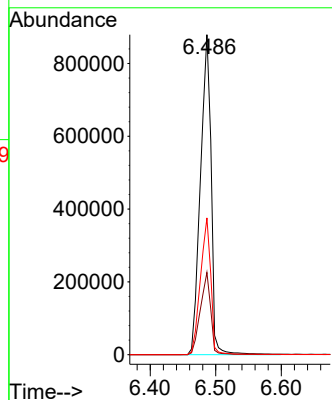
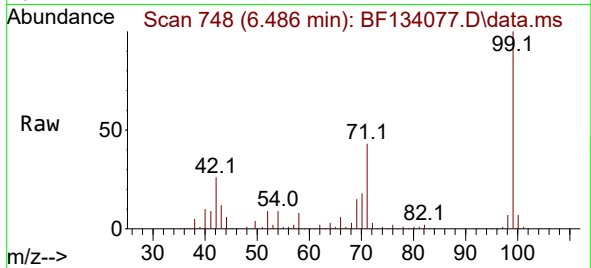




#7
Phenol-d6
Concen: 102.227 ng
RT: 6.486 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134077.D
Acq: 05 Jul 2023 20:59

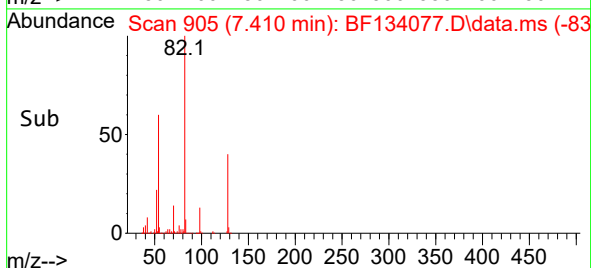
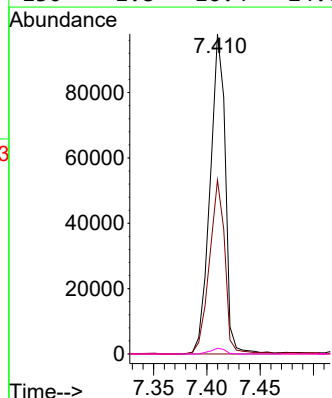
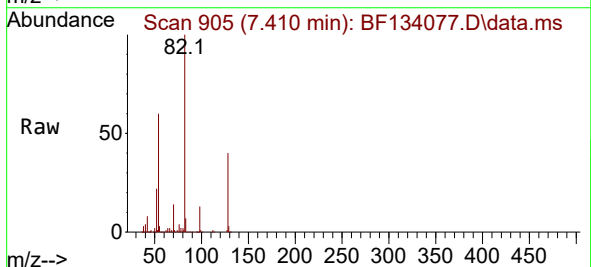
Instrument :
BNA_F
ClientSampleId :
RO-CHRT-24801

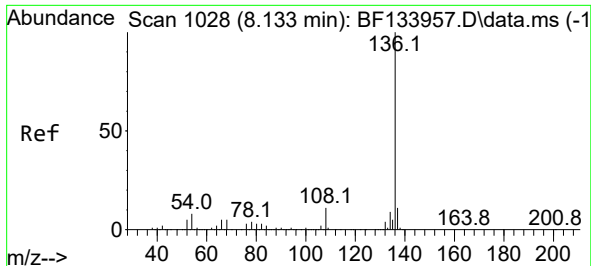
Tgt Ion: 99 Resp: 1000074
Ion Ratio Lower Upper
99 100
42 25.7 19.8 29.6
71 42.8 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 15.860 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF134077.D
Acq: 05 Jul 2023 20:59

Tgt Ion: 70 Resp: 98395
Ion Ratio Lower Upper
70 100
42 54.4 54.7 82.1#
101 0.0 7.7 11.5#
130 1.8 16.4 24.6#



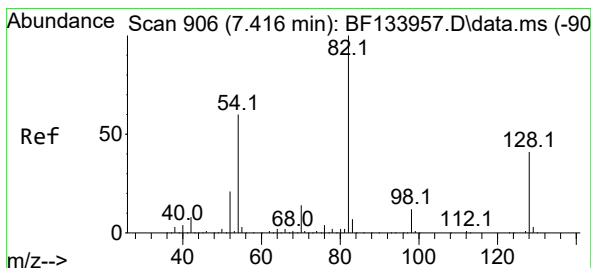
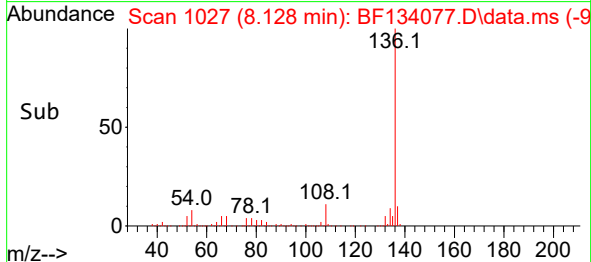
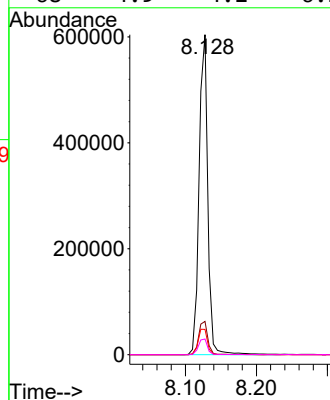
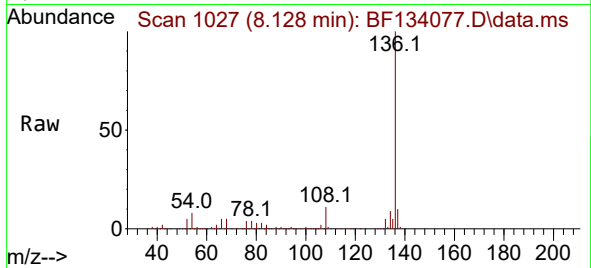


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF134077.D
Acq: 05 Jul 2023 20:59

Instrument :
BNA_F
ClientSampleId :
RO-CHRT-24801

Tgt Ion:136 Resp: 514977

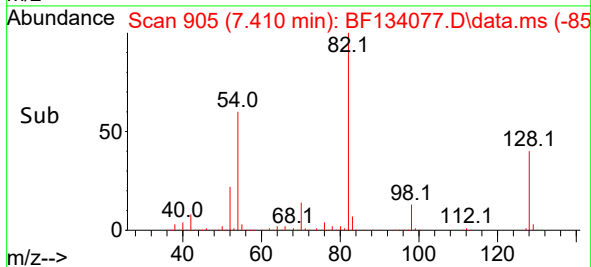
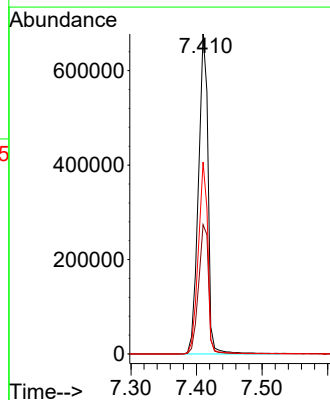
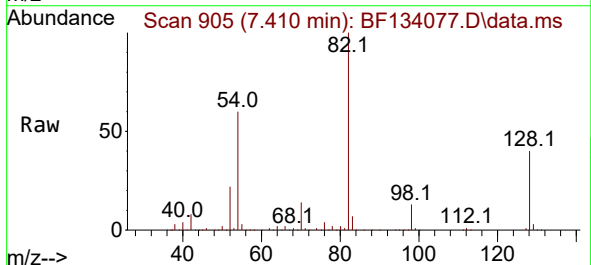
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.6	12.8
54	7.9	6.5	9.7
68	4.9	4.2	6.2

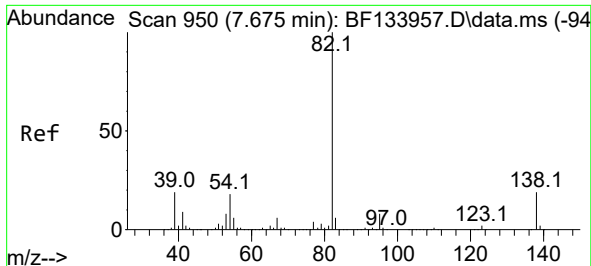


#23
Nitrobenzene-d5
Concen: 72.901 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.012 min
Lab File: BF134077.D
Acq: 05 Jul 2023 20:59

Tgt Ion: 82 Resp: 696450

Ion	Ratio	Lower	Upper
82	100		
128	40.4	32.5	48.7
54	59.9	48.2	72.2

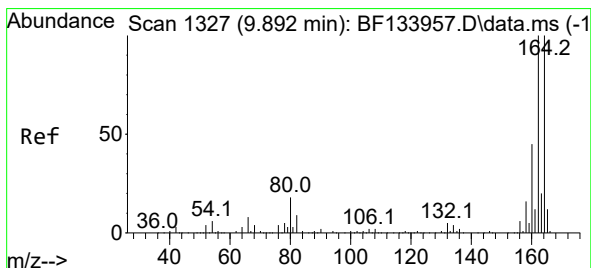
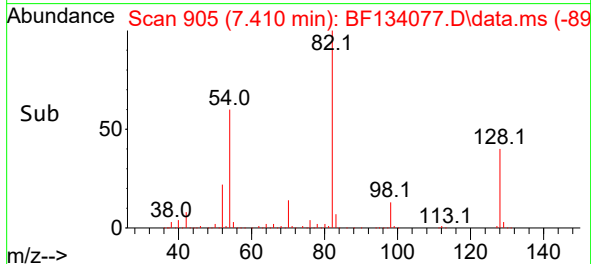
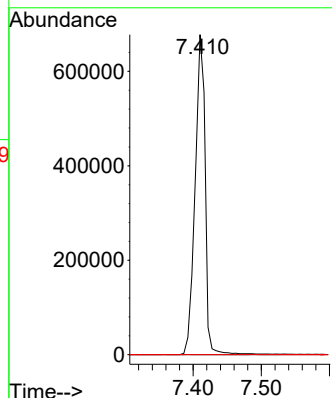
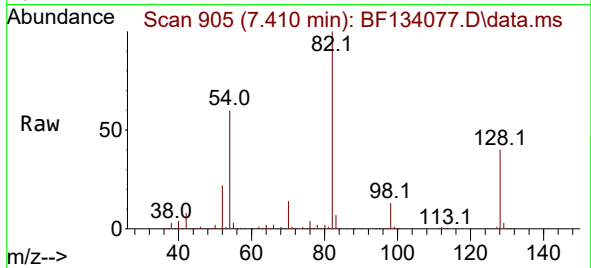




#25
Isophorone
Concen: 40.112 ng
RT: 7.410 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF134077.D
Acq: 05 Jul 2023 20:59

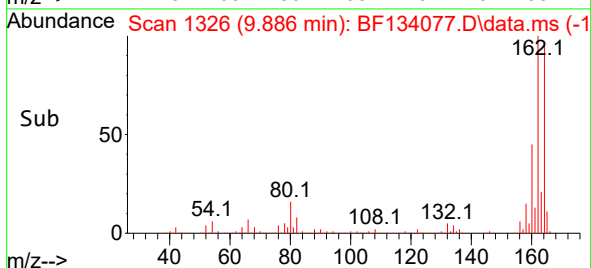
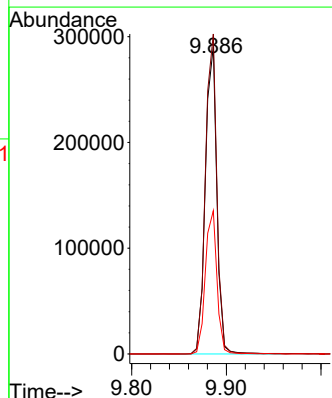
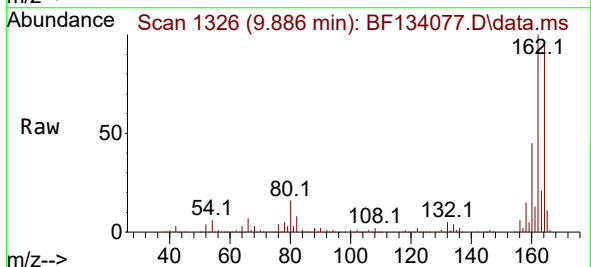
Instrument :
BNA_F
ClientSampleId :
RO-CHRT-24801

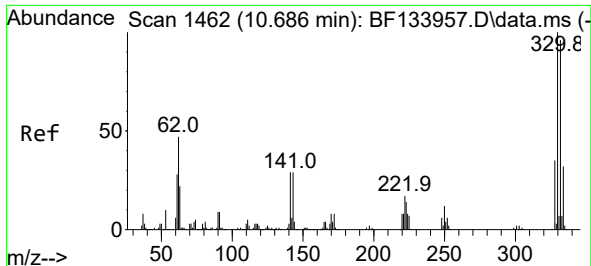
Tgt Ion: 82 Resp: 696444
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF134077.D
Acq: 05 Jul 2023 20:59

Tgt Ion:164 Resp: 243675
Ion Ratio Lower Upper
164 100
162 104.1 80.0 120.0
160 46.6 35.9 53.9

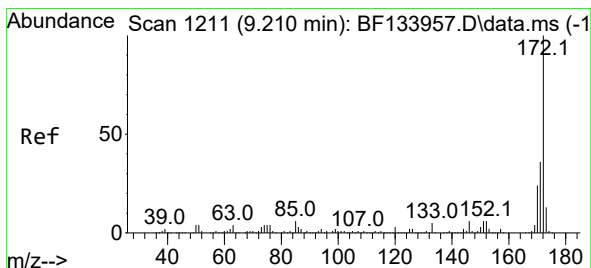
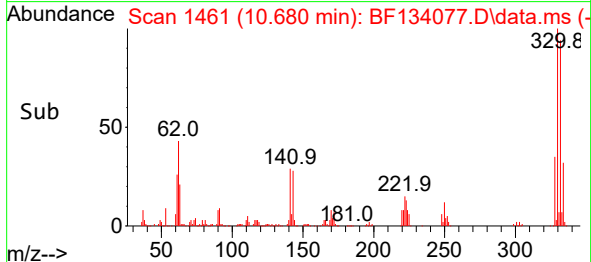
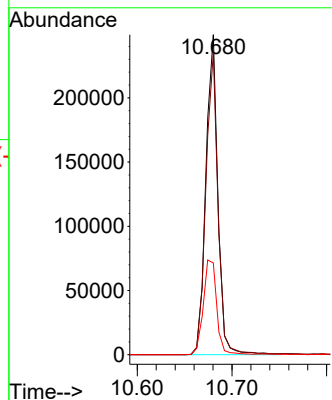
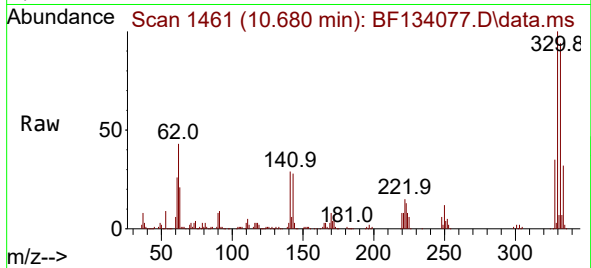




#42
2,4,6-Tribromophenol
Concen: 71.705 ng
RT: 10.680 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF134077.D
Acq: 05 Jul 2023 20:59

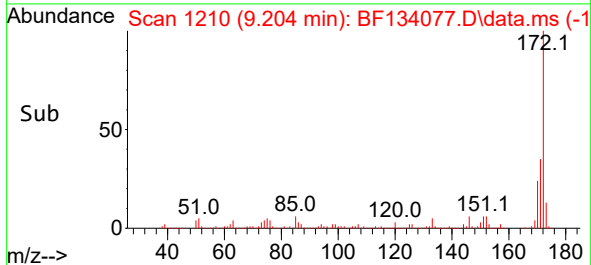
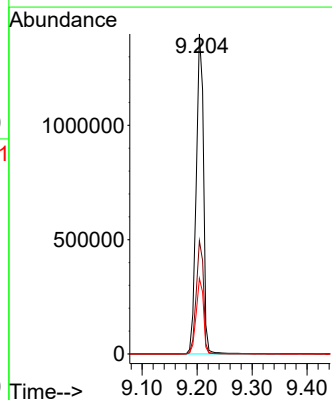
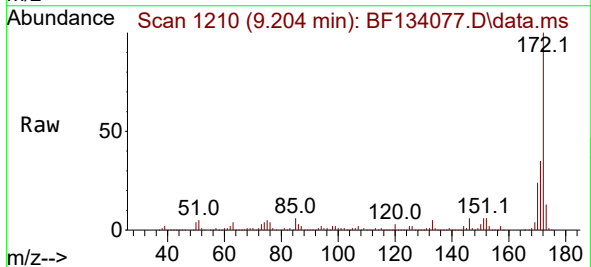
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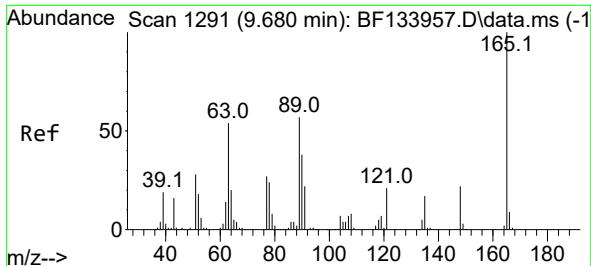
Tgt Ion: 330 Resp: 219074
Ion Ratio Lower Upper
330 100
332 95.5 77.0 115.6
141 33.4 26.3 39.5



#45
2-Fluorobiphenyl
Concen: 76.964 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.006 min
Lab File: BF134077.D
Acq: 05 Jul 2023 20:59

Tgt Ion: 172 Resp: 1289936
Ion Ratio Lower Upper
172 100
171 35.4 28.6 43.0
170 23.6 19.4 29.0

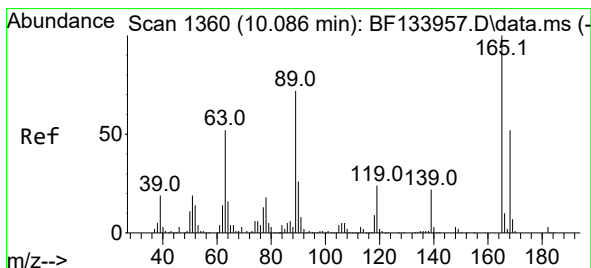
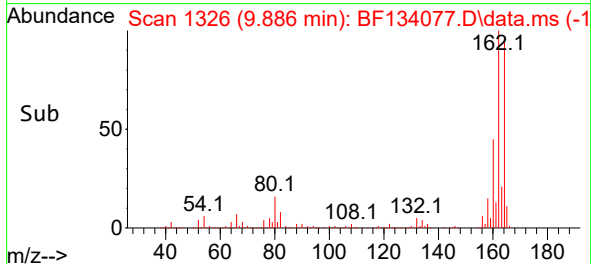
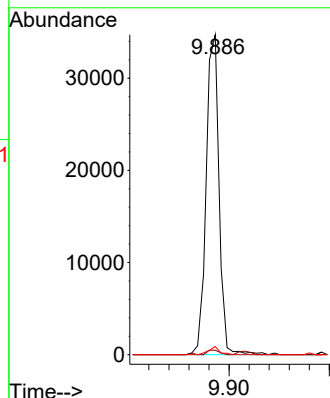
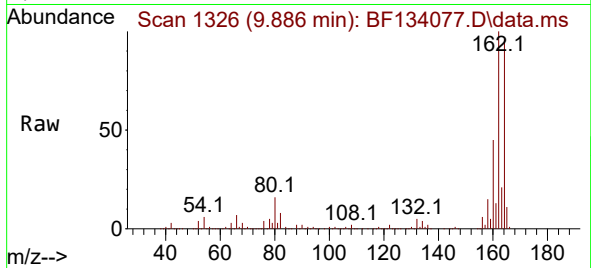




#51
2,6-Dinitrotoluene
Concen: 8.186 ng
RT: 9.886 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF134077.D
Acq: 05 Jul 2023 20:59

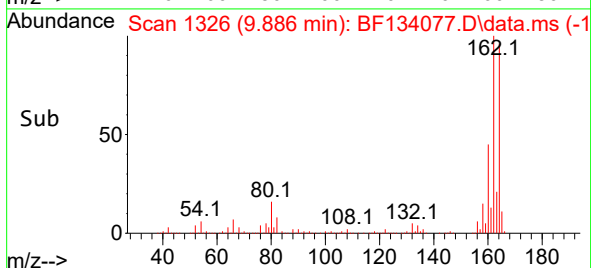
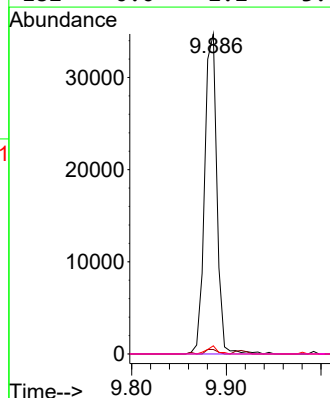
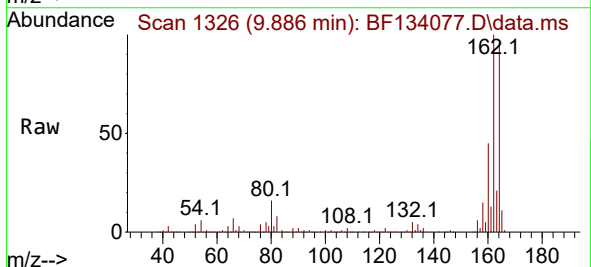
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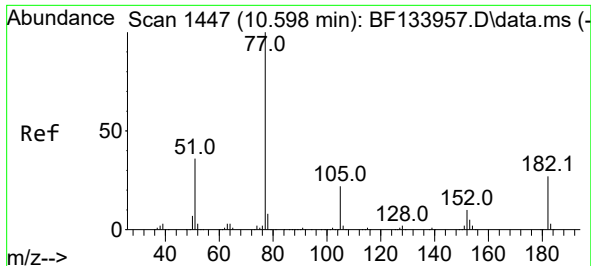
Tgt Ion:165 Resp: 31186
Ion Ratio Lower Upper
165 100
63 1.4 48.5 72.7#
89 2.5 45.5 68.3#



#57
2,4-Dinitrotoluene
Concen: 6.199 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.200 min
Lab File: BF134077.D
Acq: 05 Jul 2023 20:59

Tgt Ion:165 Resp: 31187
Ion Ratio Lower Upper
165 100
63 1.4 42.2 63.2#
89 2.5 57.4 86.2#
182 0.0 2.2 3.4#

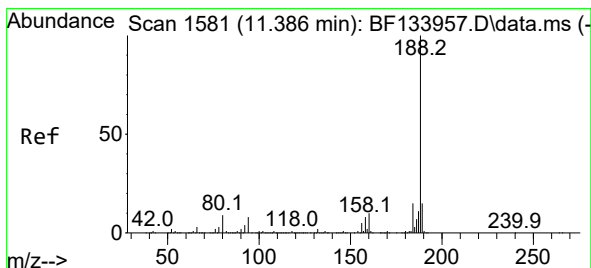
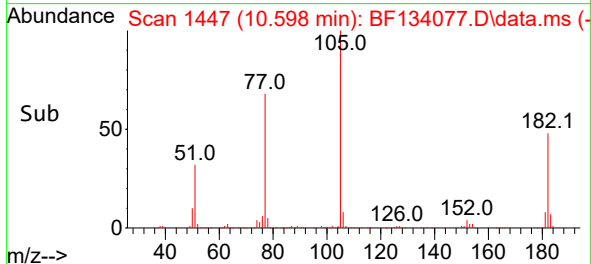
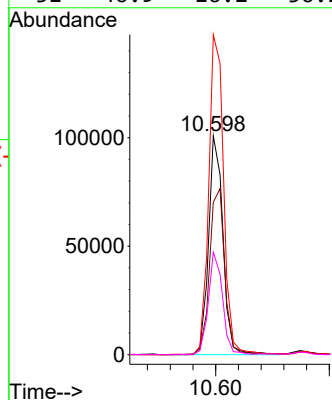
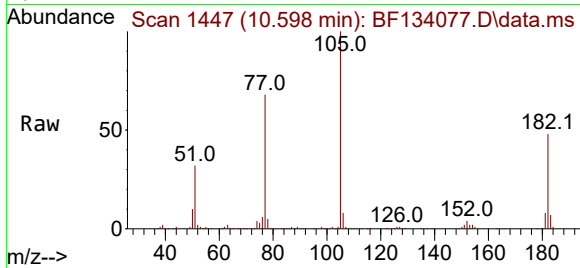




#63
Azobenzene
Concen: 5.090 ng
RT: 10.598 min Scan# 1447
Delta R.T. -0.000 min
Lab File: BF134077.D
Acq: 05 Jul 2023 20:59

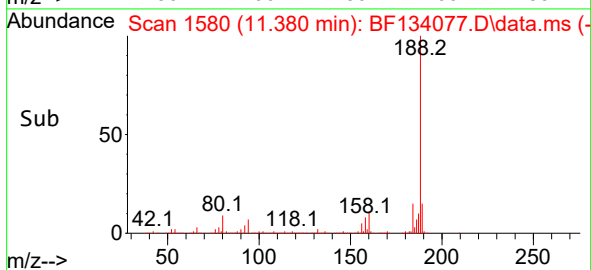
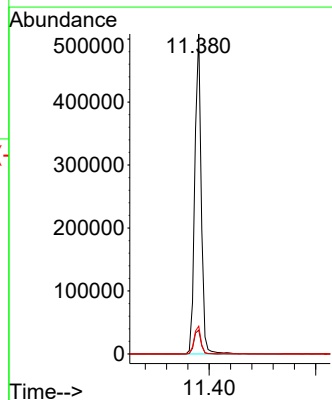
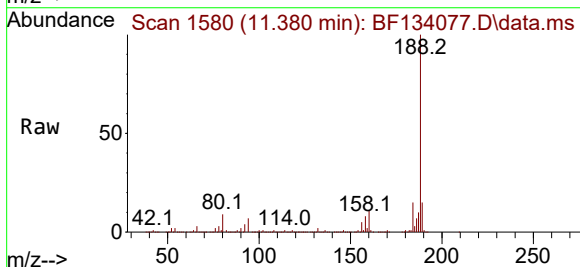
Instrument :
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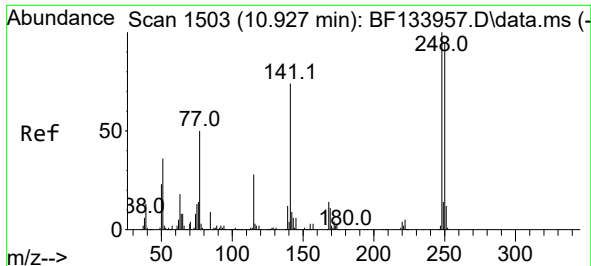
Tgt Ion: 77 Resp: 88724
Ion Ratio Lower Upper
77 100
182 69.7 6.8 46.8#
105 146.2 2.3 42.3#
51 46.9 16.2 56.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF134077.D
Acq: 05 Jul 2023 20:59

Tgt Ion:188 Resp: 426727
Ion Ratio Lower Upper
188 100
94 7.5 6.4 9.6
80 8.7 7.3 10.9

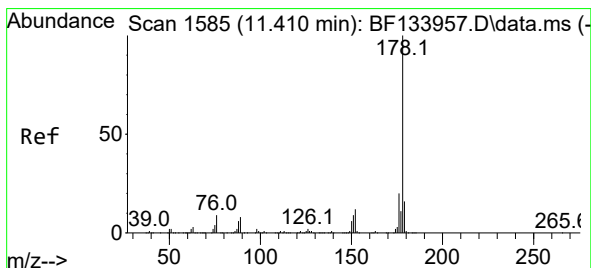
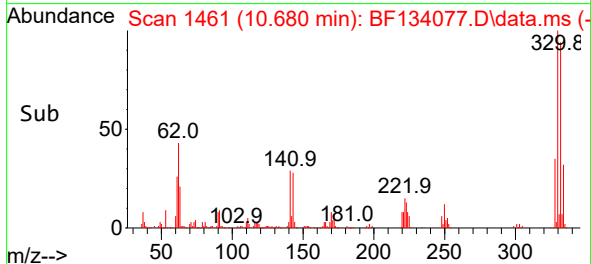
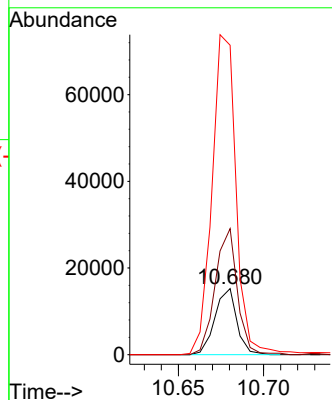
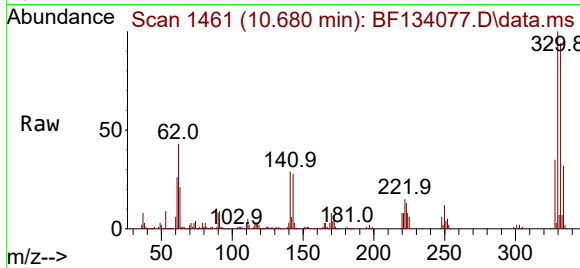




#67
4-Bromophenyl-phenylether
Concen: 3.014 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.247 min
Lab File: BF134077.D
Acq: 05 Jul 2023 20:59

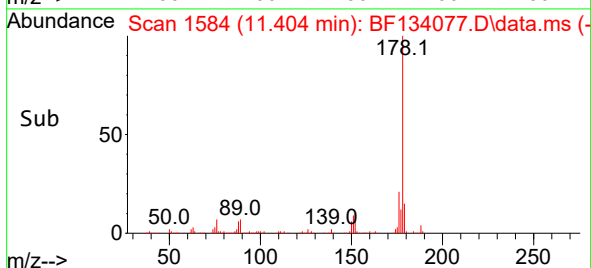
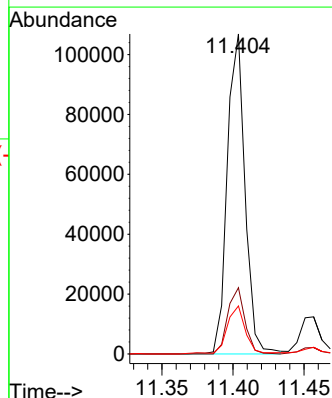
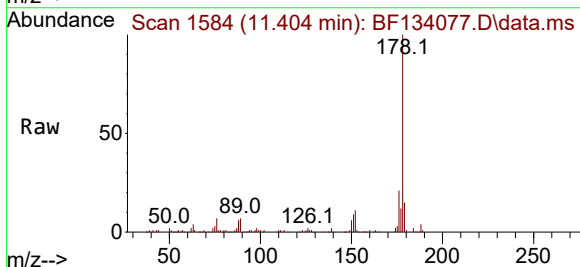
Instrument :
BNA_F
ClientSampleId :
RO-CHRT-24801

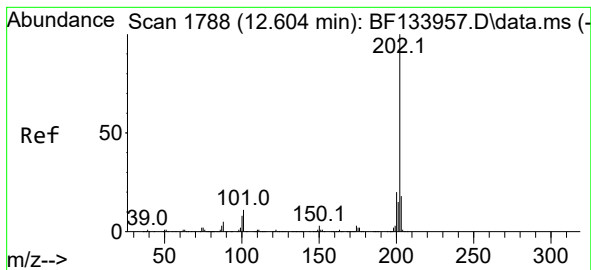
Tgt Ion:248 Resp: 13669
Ion Ratio Lower Upper
248 100
250 190.7 76.2 114.4#
141 468.0 59.0 88.4#



#71
Phenanthrene
Concen: 4.313 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF134077.D
Acq: 05 Jul 2023 20:59

Tgt Ion:178 Resp: 92645
Ion Ratio Lower Upper
178 100
176 20.7 16.0 24.0
179 15.0 12.4 18.6





#75

Fluoranthene

Concen: 9.203 ng

RT: 12.598 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF134077.D

Acq: 05 Jul 2023 20:59

Instrument :

BNA_F

ClientSampleId :

RO-CHRT-24801

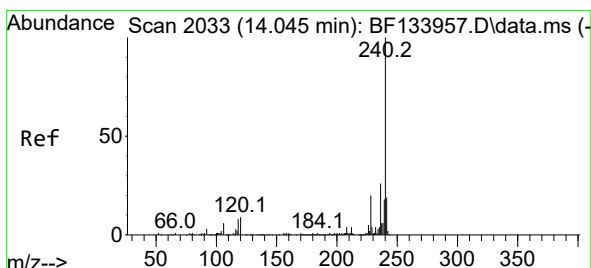
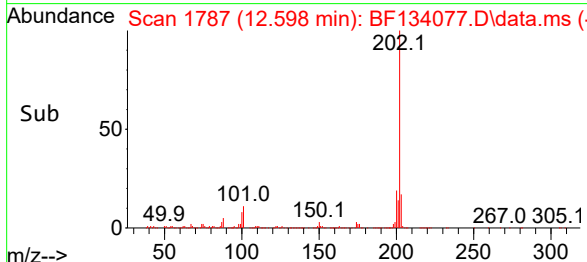
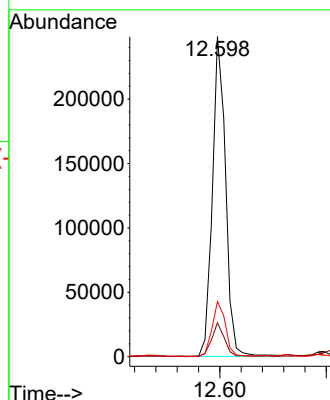
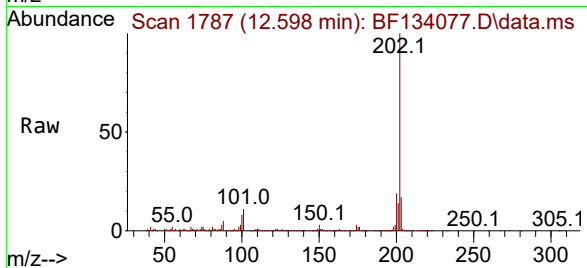
Tgt Ion:202 Resp: 213738

Ion Ratio Lower Upper

202 100

101 10.6 0.0 31.0

203 17.2 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2032

Delta R.T. -0.012 min

Lab File: BF134077.D

Acq: 05 Jul 2023 20:59

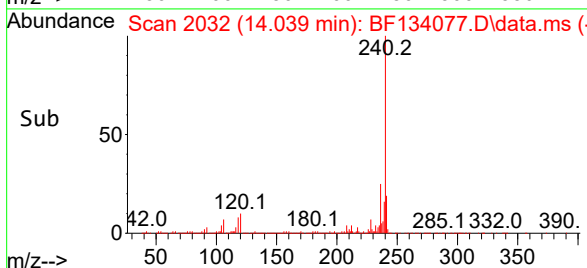
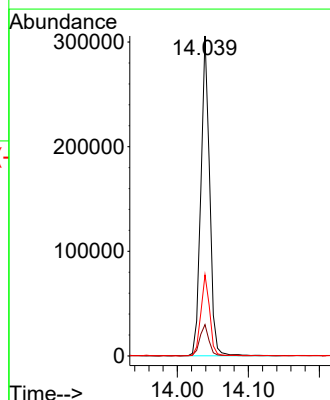
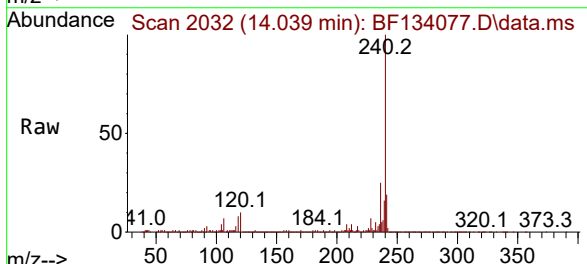
Tgt Ion:240 Resp: 262142

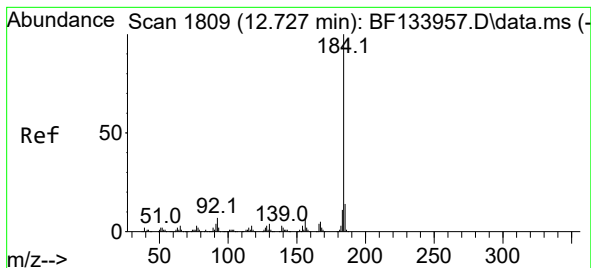
Ion Ratio Lower Upper

240 100

120 9.8 7.4 11.0

236 25.3 21.0 31.6





#77

Benzidine

Concen: 2.792 ng

RT: 12.980 min Scan# 1852

Delta R.T. 0.253 min

Lab File: BF134077.D

Acq: 05 Jul 2023 20:59

Instrument :

BNA_F

ClientSampleId :

RO-CHRT-24801

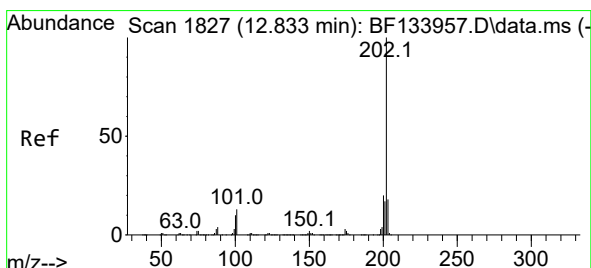
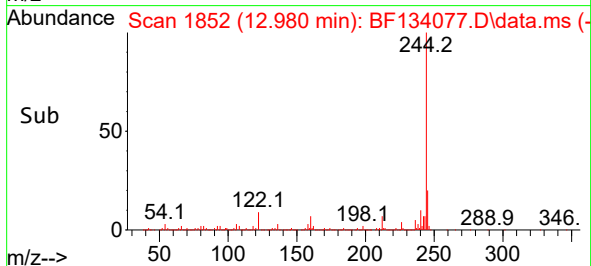
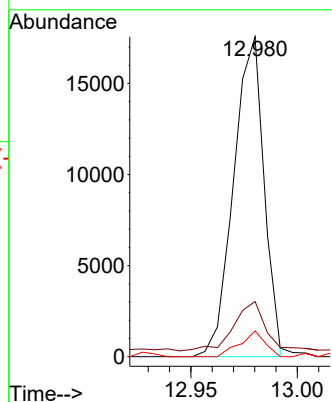
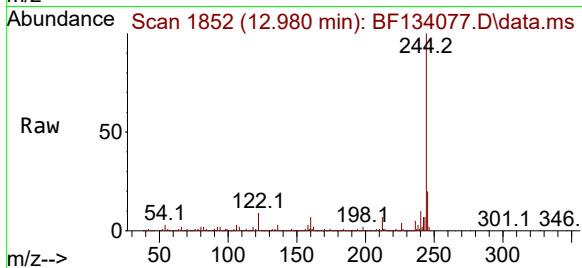
Tgt Ion:184 Resp: 17412

Ion Ratio Lower Upper

184 100

185 17.3 11.6 17.4

183 8.1 8.8 13.2#



#78

Pyrene

Concen: 7.840 ng

RT: 12.833 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF134077.D

Acq: 05 Jul 2023 20:59

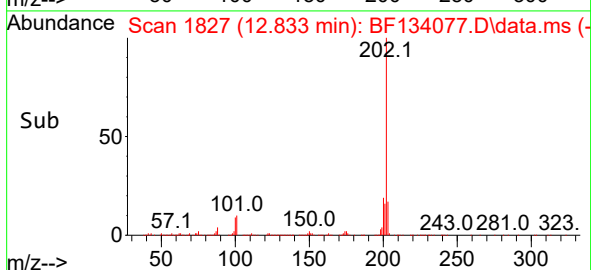
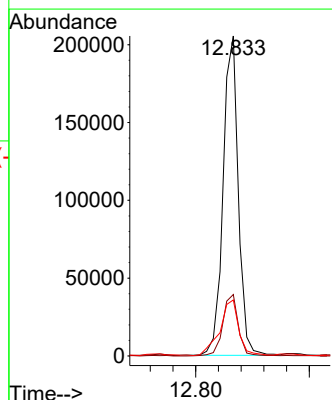
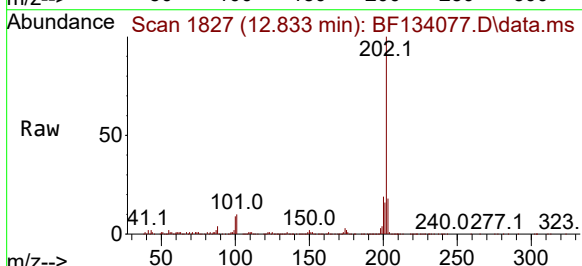
Tgt Ion:202 Resp: 191261

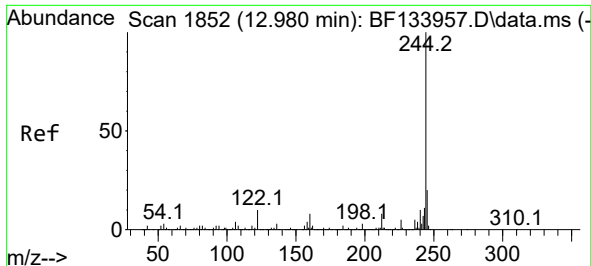
Ion Ratio Lower Upper

202 100

200 19.2 16.1 24.1

203 17.5 14.3 21.5

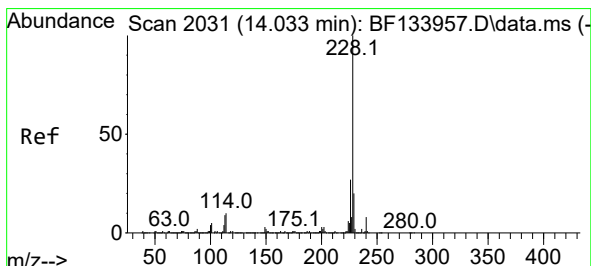
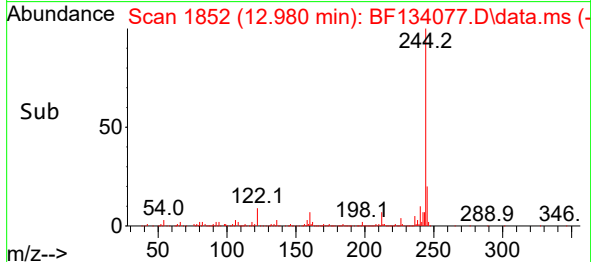
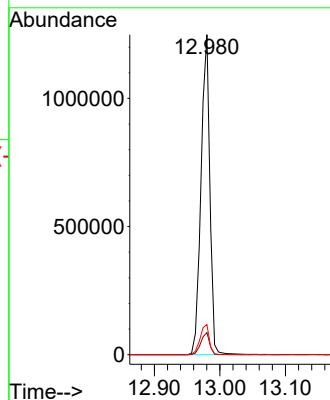
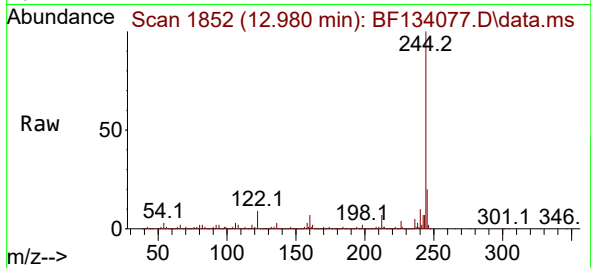




#79
 Terphenyl-d14
 Concen: 71.925 ng
 RT: 12.980 min Scan# 1852
 Delta R.T. -0.006 min
 Lab File: BF134077.D
 Acq: 05 Jul 2023 20:59

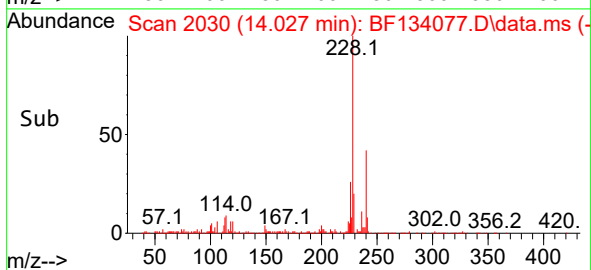
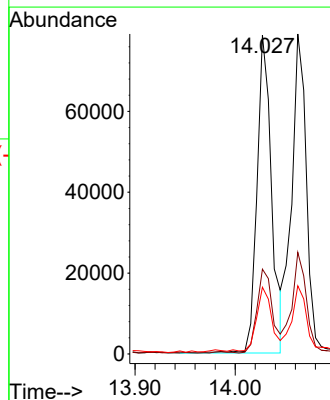
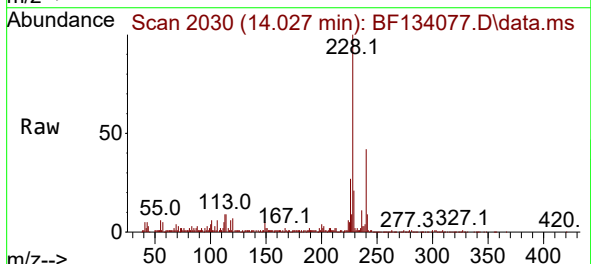
Instrument :
 BNA_F
 ClientSampleId :
 RO-CHRT-24801

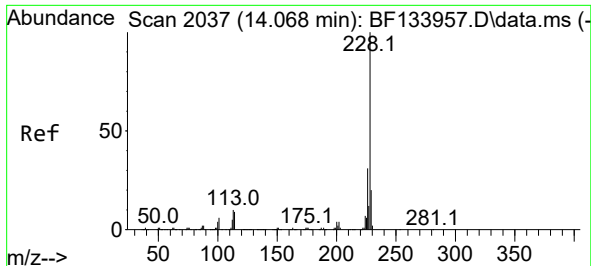
Tgt Ion:244 Resp: 1171515
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 9.4 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 4.362 ng
 RT: 14.027 min Scan# 2030
 Delta R.T. -0.012 min
 Lab File: BF134077.D
 Acq: 05 Jul 2023 20:59

Tgt Ion:228 Resp: 79299
 Ion Ratio Lower Upper
 228 100
 226 26.6 22.0 33.0
 229 20.9 16.3 24.5

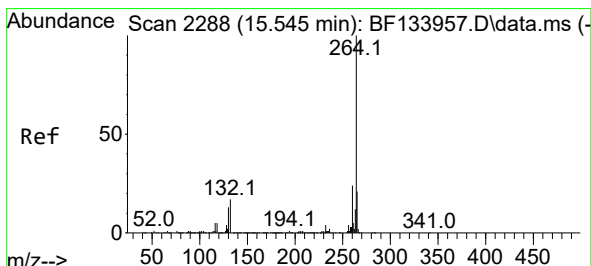
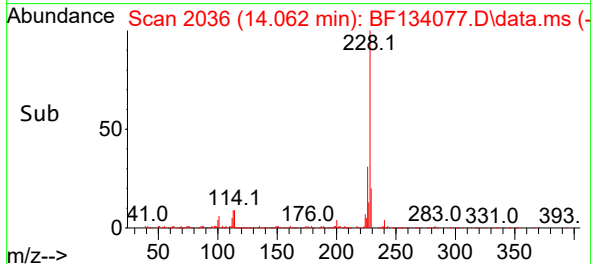
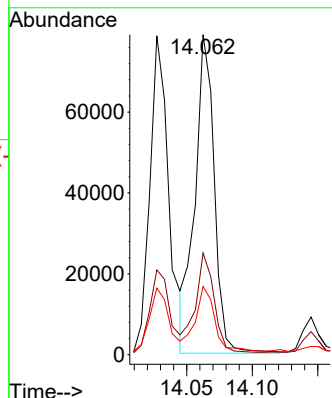
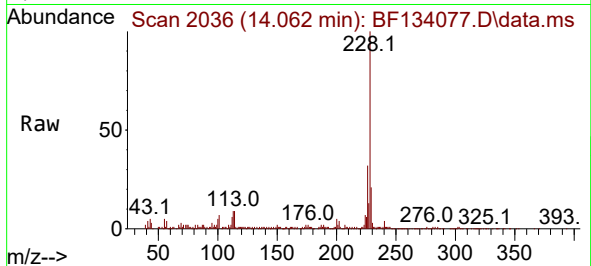




#83
Chrysene
Concen: 4.600 ng
RT: 14.062 min Scan# 2037
Delta R.T. -0.012 min
Lab File: BF134077.D
Acq: 05 Jul 2023 20:59

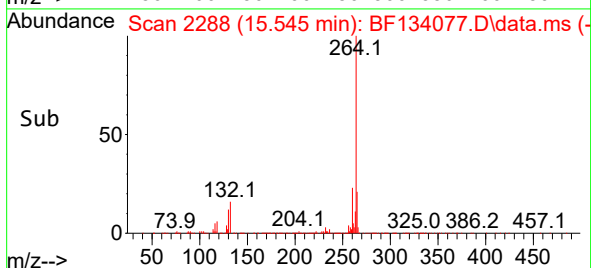
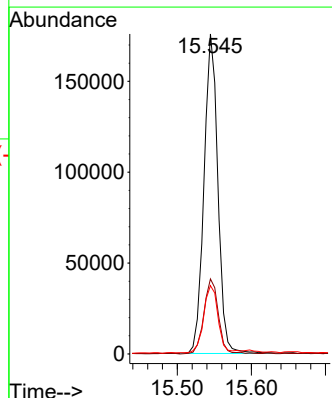
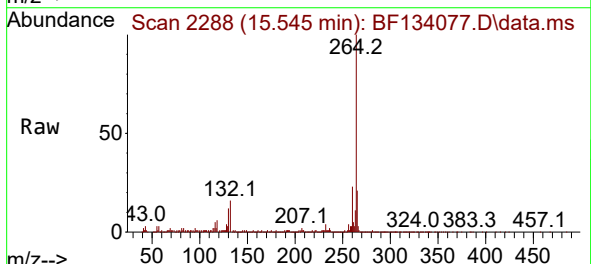
Instrument :
BNA_F
ClientSampleId :
RO-CHRT-24801

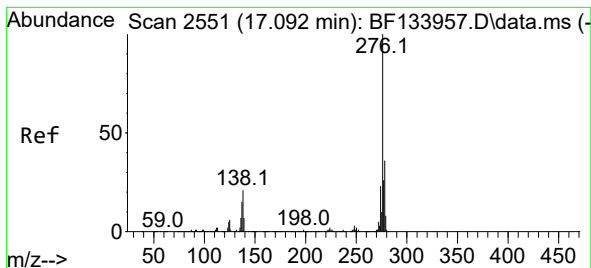
Tgt Ion:228 Resp: 81000
Ion Ratio Lower Upper
228 100
226 31.7 24.4 36.6
229 21.3 16.1 24.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2288
Delta R.T. -0.006 min
Lab File: BF134077.D
Acq: 05 Jul 2023 20:59

Tgt Ion:264 Resp: 229745
Ion Ratio Lower Upper
264 100
260 23.5 19.5 29.3
265 21.3 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.348 ng

RT: 17.080 min Scan# 21

Delta R.T. -0.030 min

Lab File: BF134077.D

Acq: 05 Jul 2023 20:59

Instrument :

BNA_F

ClientSampleId :

RO-CHRT-24801

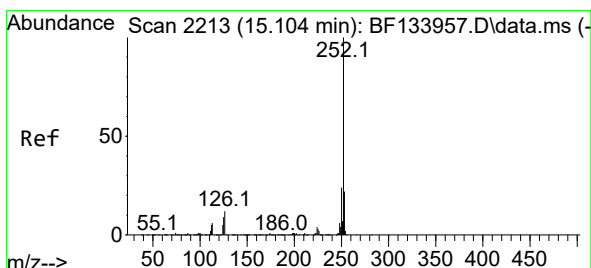
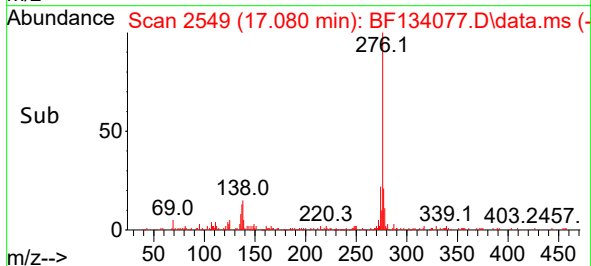
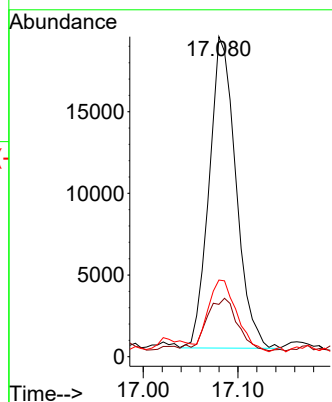
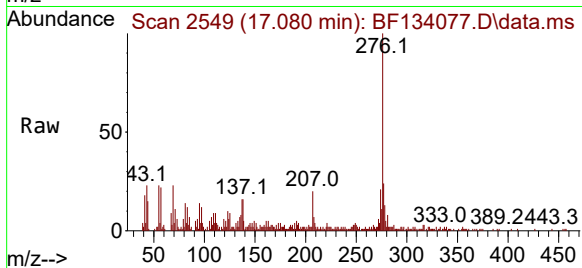
Tgt Ion:276 Resp: 37433

Ion Ratio Lower Upper

276 100

138 19.8 18.7 28.1

277 25.2 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 9.137 ng

RT: 15.098 min Scan# 2212

Delta R.T. -0.012 min

Lab File: BF134077.D

Acq: 05 Jul 2023 20:59

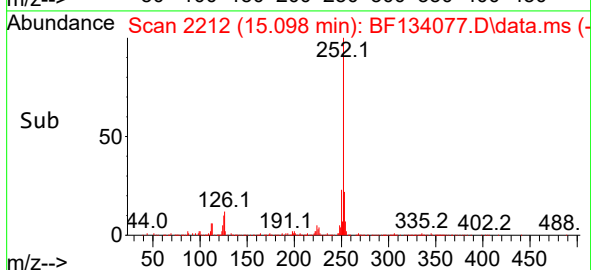
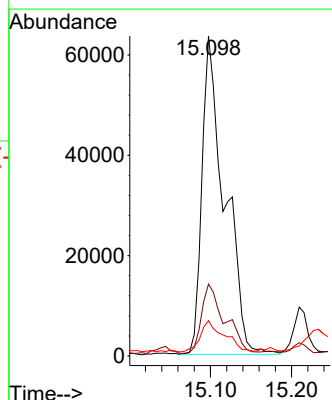
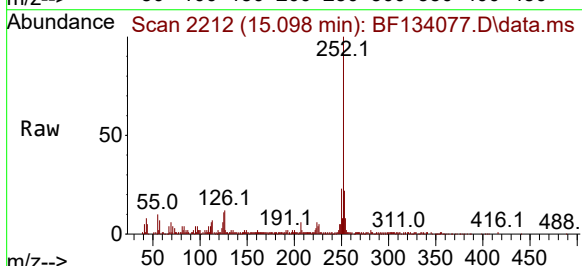
Tgt Ion:252 Resp: 123433

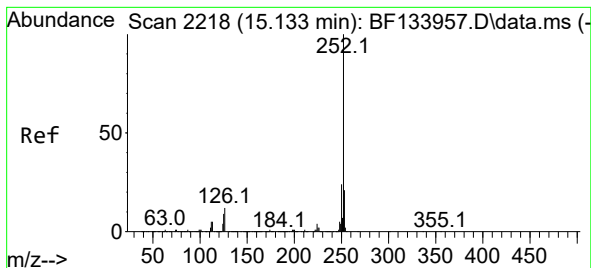
Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.0

125 11.0 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 8.974 ng

RT: 15.098 min Scan# 2212

Delta R.T. -0.041 min

Lab File: BF134077.D

Acq: 05 Jul 2023 20:59

Instrument :

BNA_F

ClientSampleId :

RO-CHRT-24801

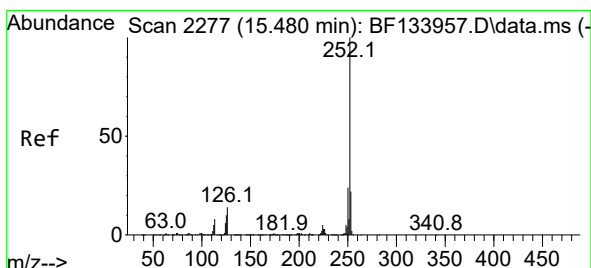
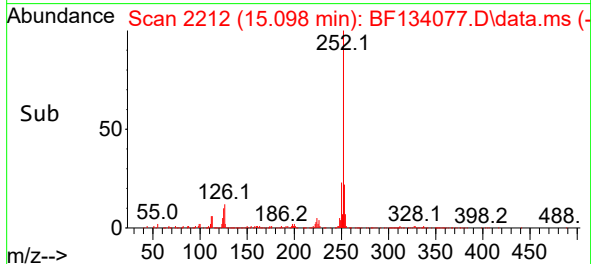
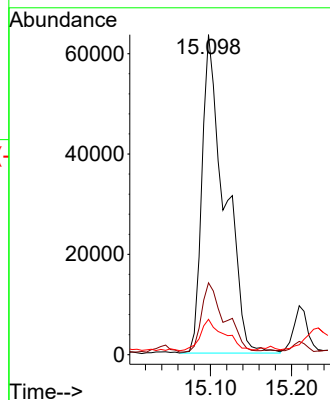
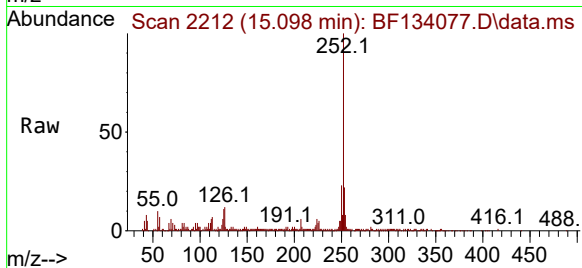
Tgt Ion:252 Resp: 123433

Ion Ratio Lower Upper

252 100

253 22.4 16.9 25.3

125 11.0 7.4 11.2



#90

Benzo(a)pyrene

Concen: 4.604 ng

RT: 15.480 min Scan# 2277

Delta R.T. -0.012 min

Lab File: BF134077.D

Acq: 05 Jul 2023 20:59

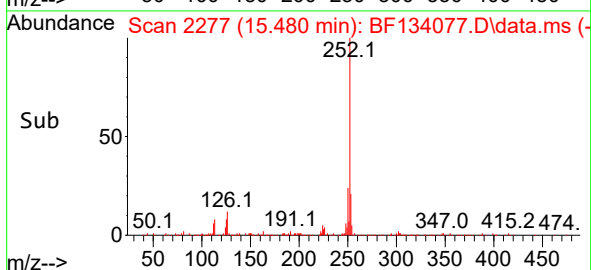
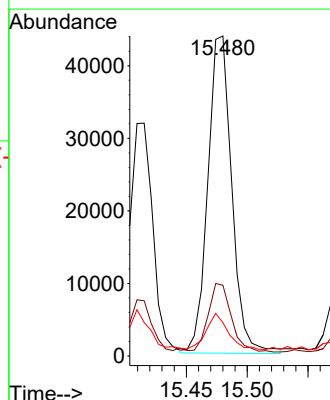
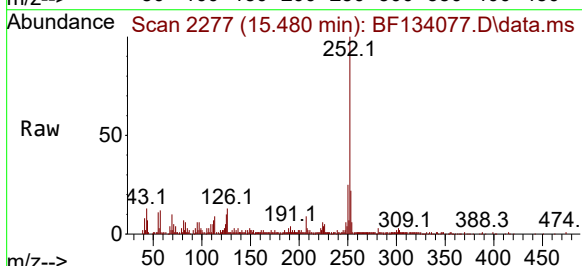
Tgt Ion:252 Resp: 60141

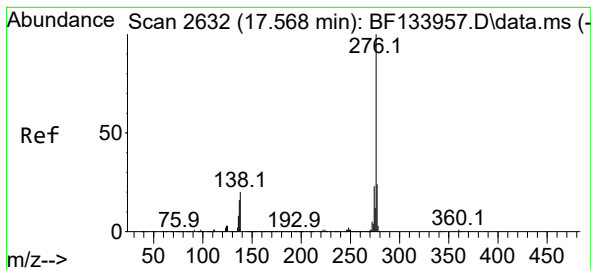
Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.0

125 10.4 8.4 12.6





#92

Benzo(g,h,i)perylene

Concen: 2.835 ng

RT: 17.556 min Scan# 2

Delta R.T. -0.024 min

Lab File: BF134077.D

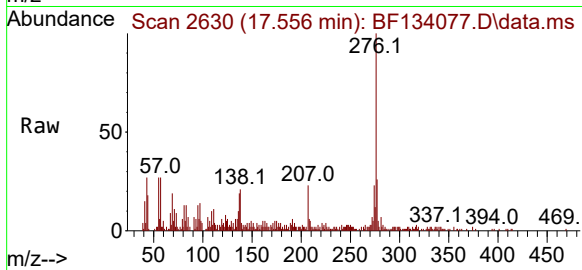
Acq: 05 Jul 2023 20:59

Instrument :

BNA_F

ClientSampleId :

RO-CHRT-24801



Tgt Ion:276 Resp: 38064

Ion Ratio Lower Upper

276 100

277 25.5 19.0 28.6

138 20.6 16.2 24.2

