

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)

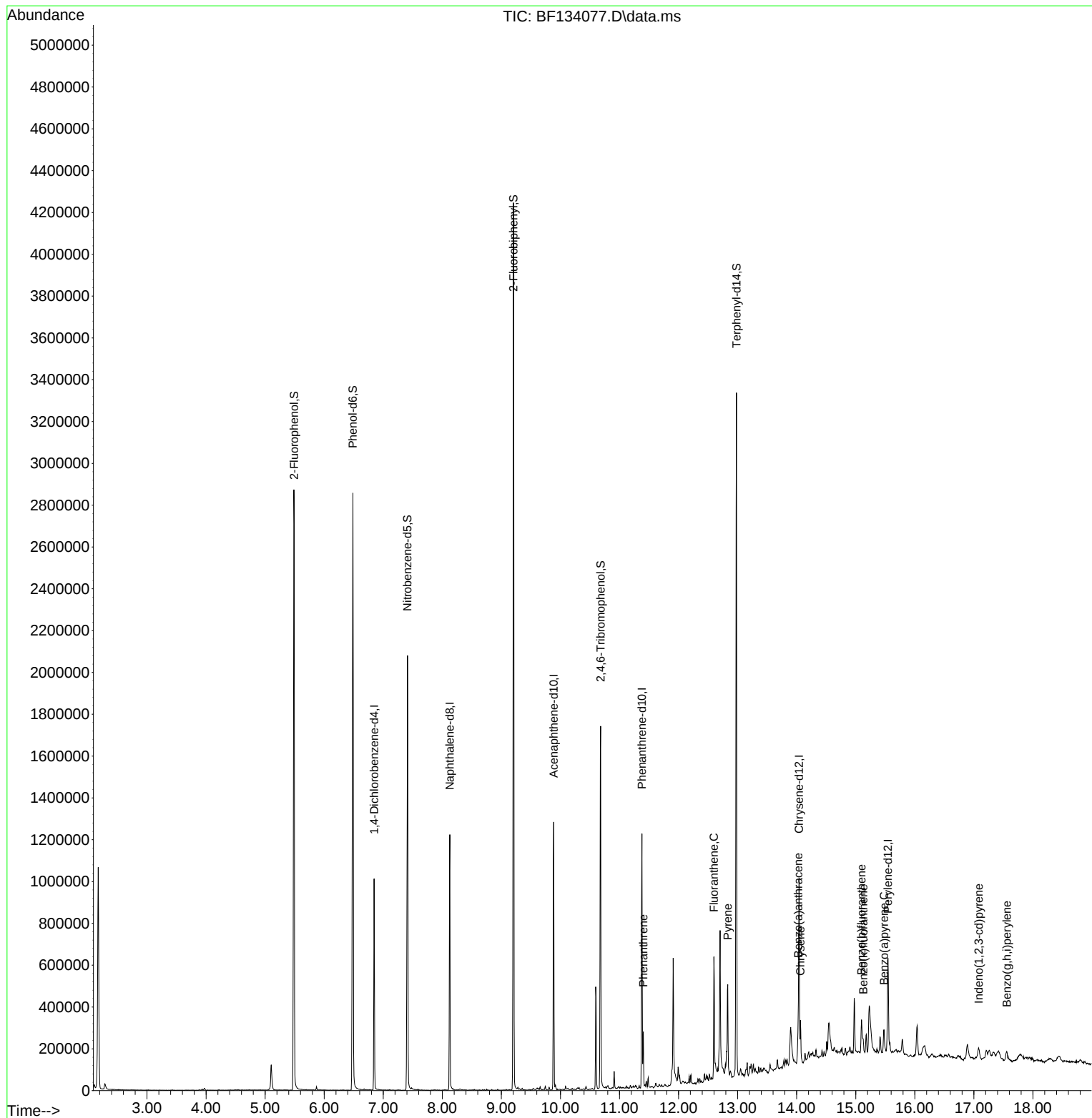
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	133066	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	514977	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	243675	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	426727	20.000	ng	0.00
76) Chrysene-d12	14.039	240	262142	20.000	ng	-0.01
86) Perylene-d12	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
71) Phenanthrene	11.404	178	92645	4.313	ng	99
75) Fluoranthene	12.598	202	213738	9.203	ng	99
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	90066m	6.667	ng	
89) Benzo(k)fluoranthene	15.127	252	33816m	2.459	ng	
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

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

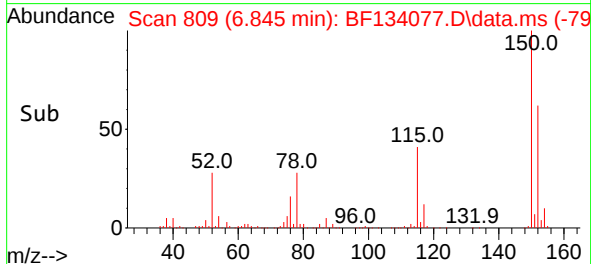
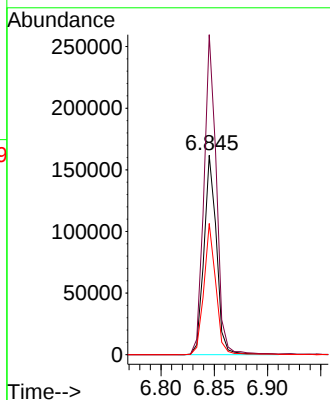
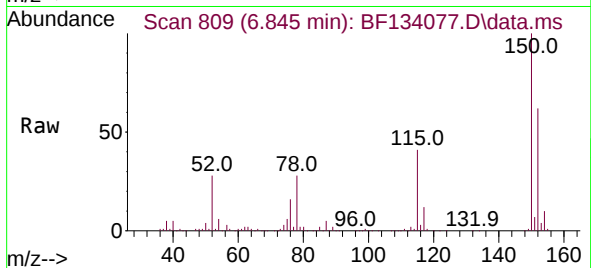




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.845 min Scan# 810
 Delta R.T. -0.006 min
 Lab File: BF134077.D
 Acq: 05 Jul 2023 20:59

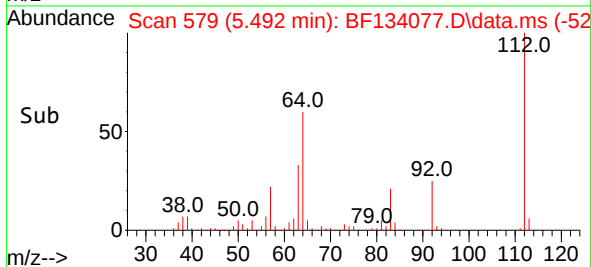
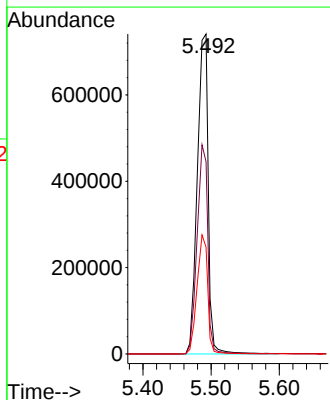
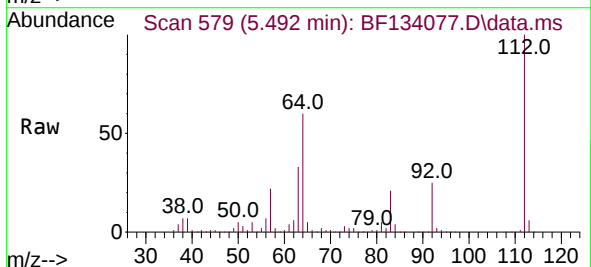
Instrument :
 BNA_F
 ClientSampleId :
 RO-CHRT-24801

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



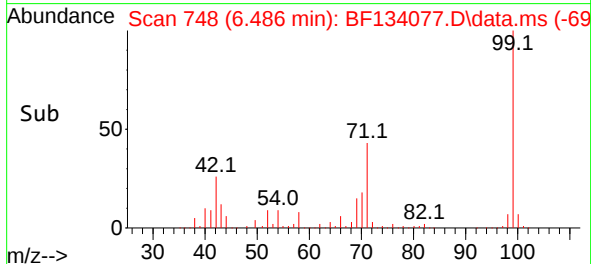
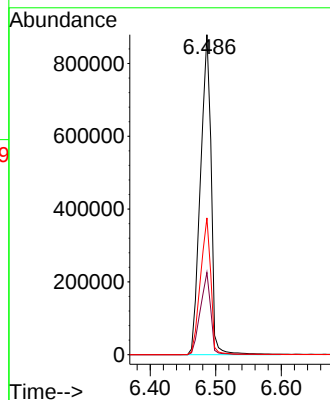
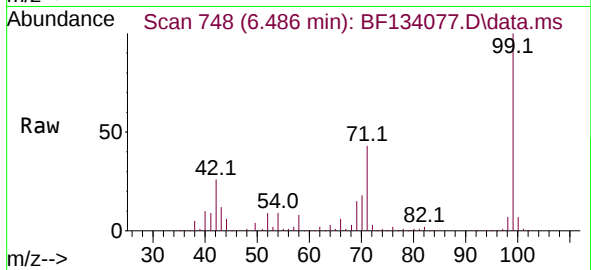


#7
Phenol-d6
Concen: 102.227 ng
RT: 6.486 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF134077.D
Acq: 05 Jul 2023 20:59

Instrument :
BNA_F
ClientSampleId :
RO-CHRT-24801

Tgt Ion: 99 Resp: 1000074

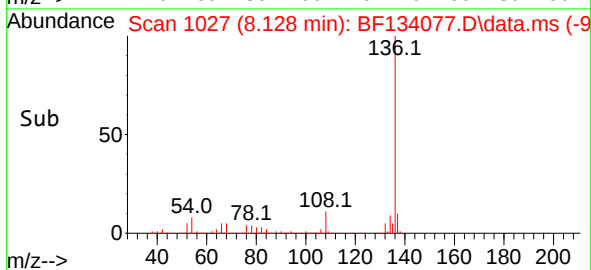
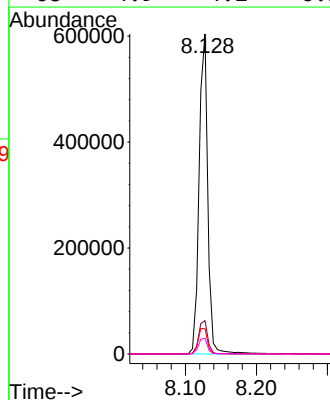
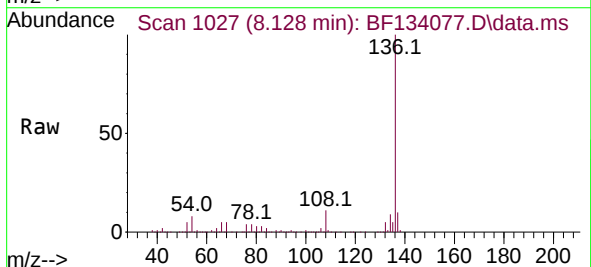
Ion	Ratio	Lower	Upper
99	100		
42	25.7	19.8	29.6
71	42.8	31.9	47.9

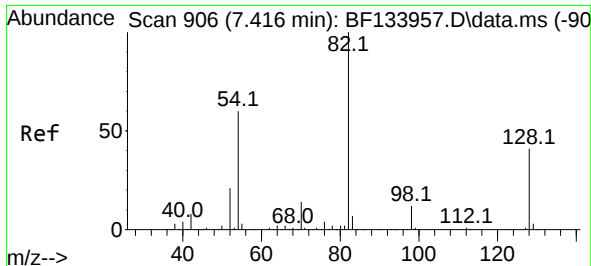


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF134077.D
Acq: 05 Jul 2023 20:59

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

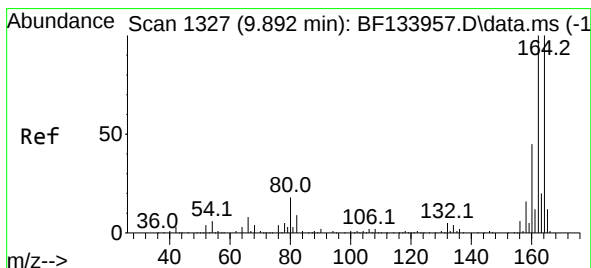
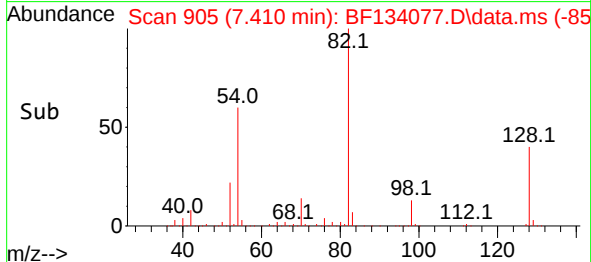
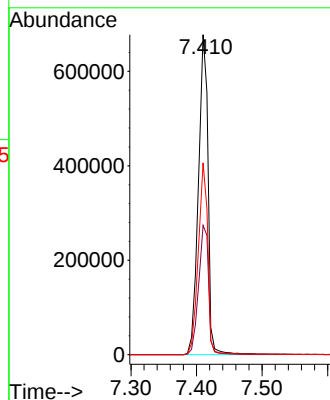
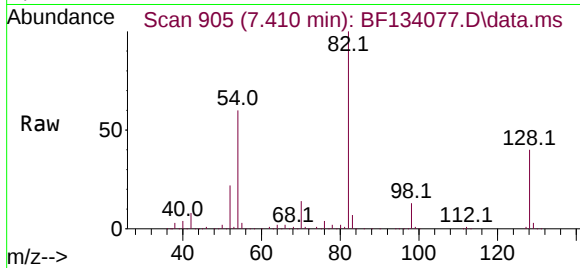




#23
 Nitrobenzene-d5
 Concen: 72.901 ng
 RT: 7.410 min Scan# 906
 Delta R.T. -0.012 min
 Lab File: BF134077.D
 Acq: 05 Jul 2023 20:59

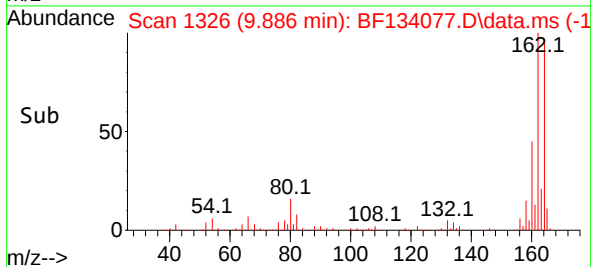
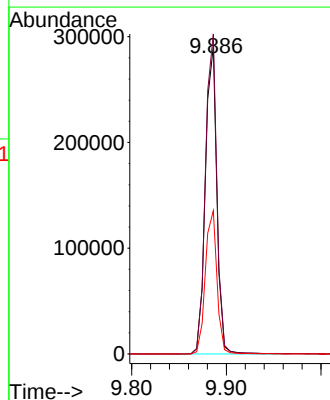
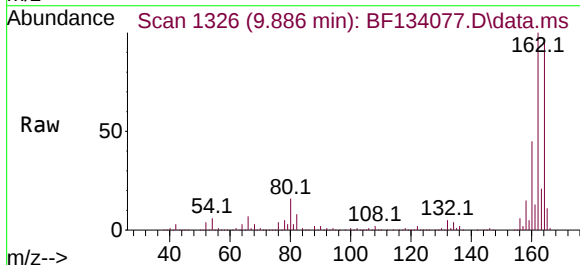
Instrument :
 BNA_F
 ClientSampleId :
 RO-CHRT-24801

Tgt Ion: 82 Resp: 696450
 Ion Ratio Lower Upper
 82 100
 128 40.4 32.5 48.7
 54 59.9 48.2 72.2



#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# 1461

Delta R.T. -0.006 min

Lab File: BF134077.D

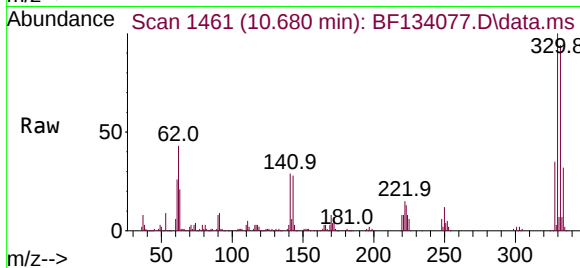
Acq: 05 Jul 2023 20:59

Instrument :

BNA_F

ClientSampleId :

RO-CHRT-24801



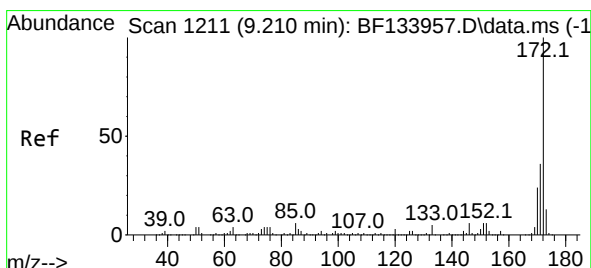
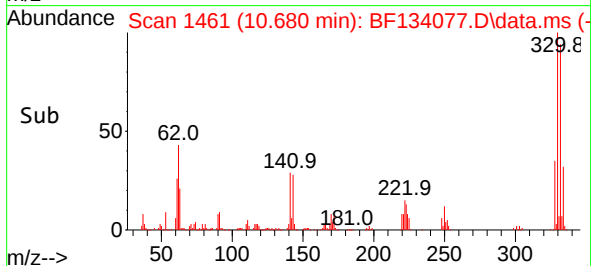
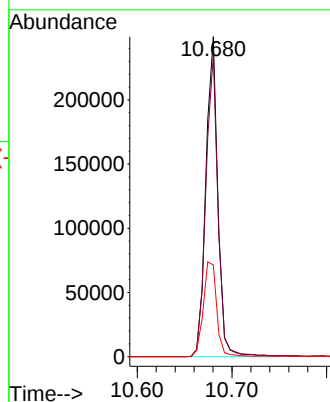
Tgt Ion:330 Resp: 219074

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

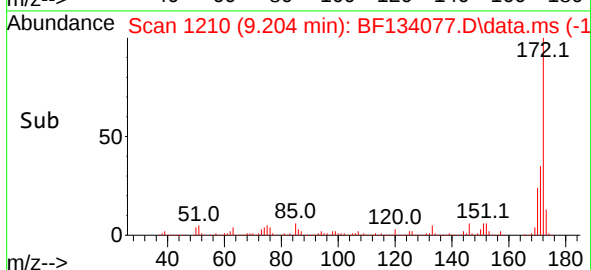
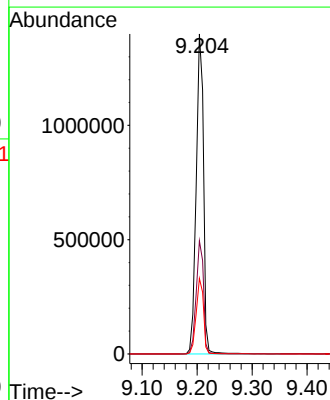
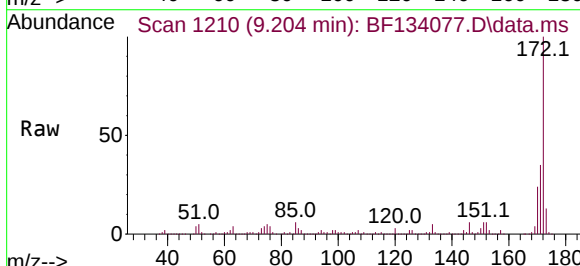
Tgt Ion:172 Resp: 1289936

Ion Ratio Lower Upper

172 100

171 35.4 28.6 43.0

170 23.6 19.4 29.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.380 min Scan# 1581

Delta R.T. -0.006 min

Lab File: BF134077.D

Acq: 05 Jul 2023 20:59

Instrument :

BNA_F

ClientSampleId :

RO-CHRT-24801

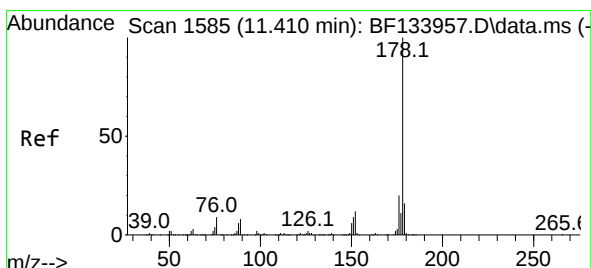
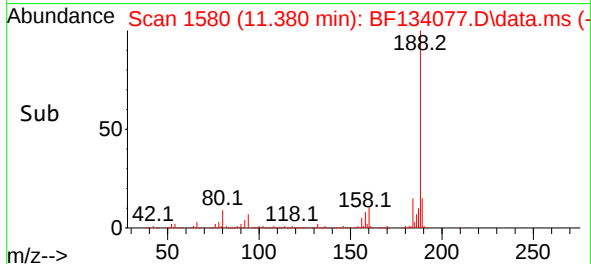
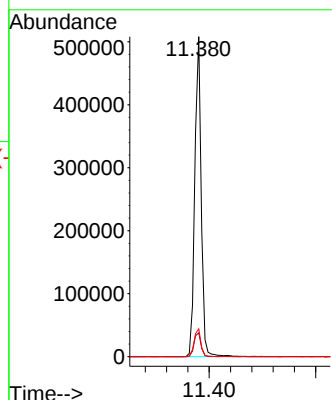
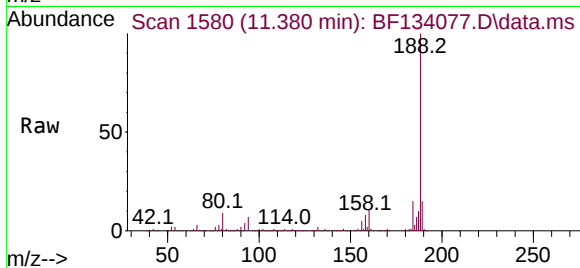
Tgt Ion:188 Resp: 426727

Ion Ratio Lower Upper

188 100

94 7.5 6.4 9.6

80 8.7 7.3 10.9



#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

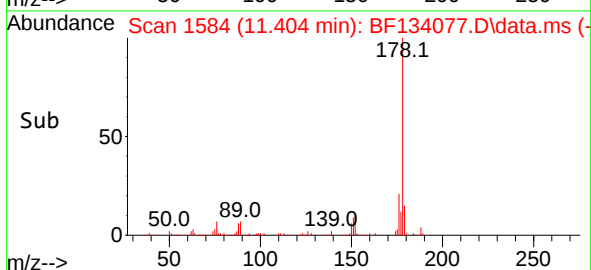
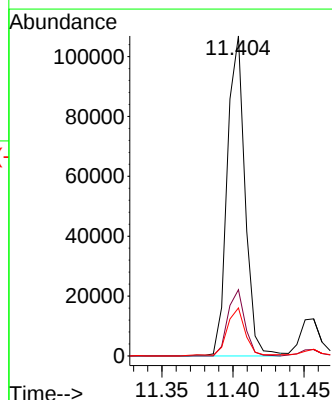
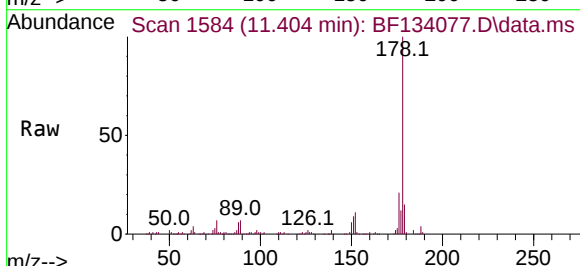
Tgt Ion:178 Resp: 92645

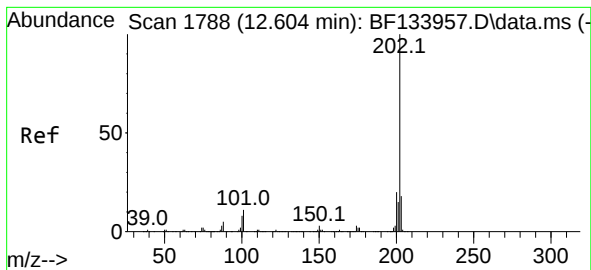
Ion Ratio Lower Upper

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# 1

Delta R.T. -0.012 min

Lab File: BF134077.D

Acq: 05 Jul 2023 20:59

Instrument :

BNA_F

ClientSampleId :

RO-CHRT-24801

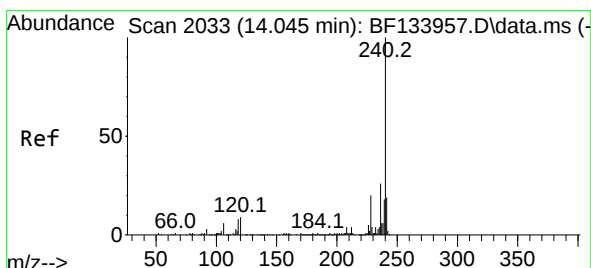
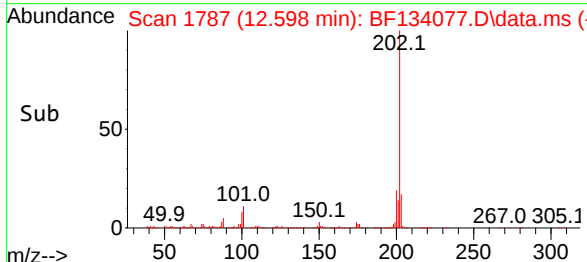
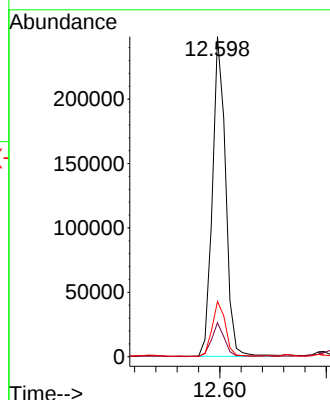
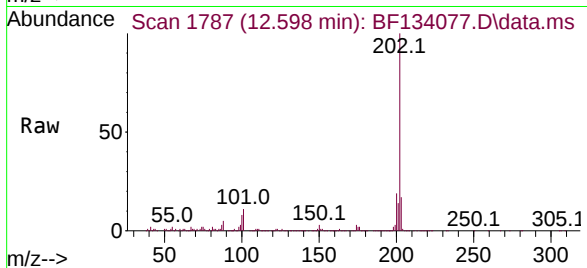
Tgt Ion:202 Resp: 213738

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

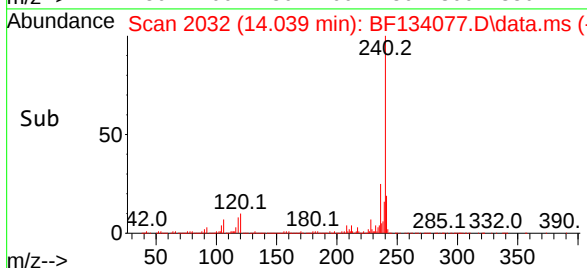
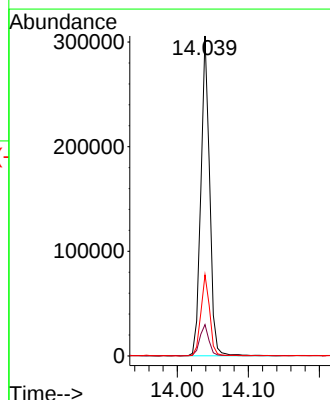
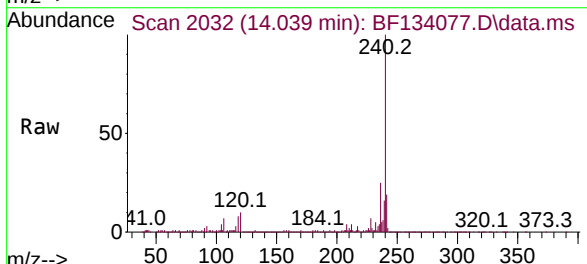
Tgt Ion:240 Resp: 262142

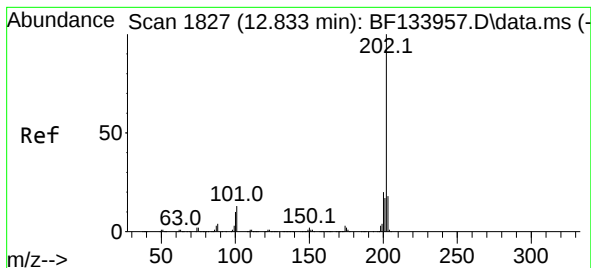
Ion Ratio Lower Upper

240 100

120 9.8 7.4 11.0

236 25.3 21.0 31.6





#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

Instrument :

BNA_F

ClientSampleId :

RO-CHRT-24801

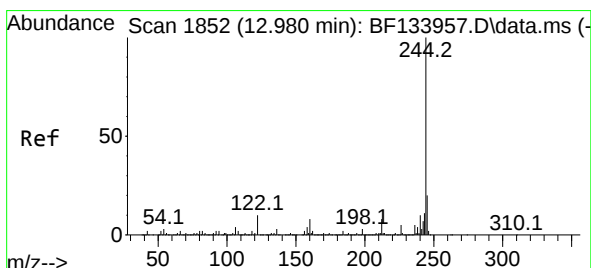
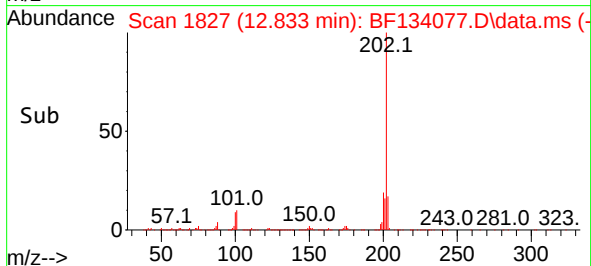
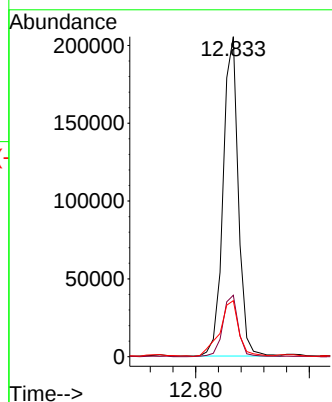
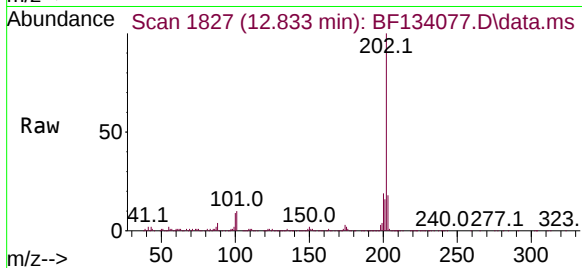
Tgt Ion:202 Resp: 191261

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

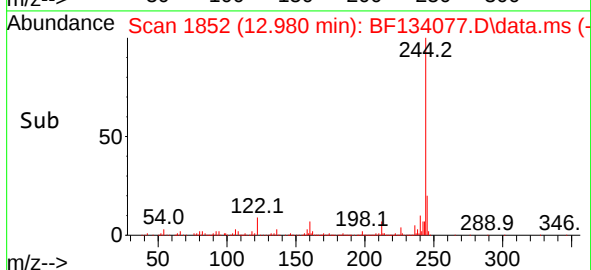
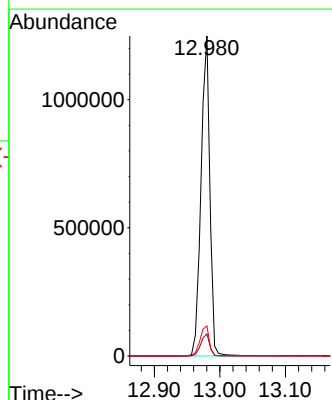
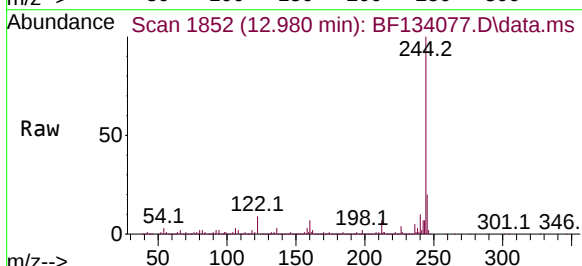
Tgt Ion:244 Resp: 1171515

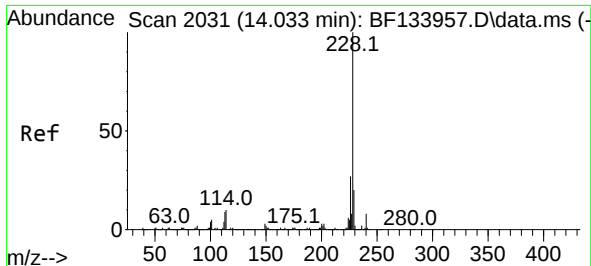
Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

122 9.4 8.3 12.5

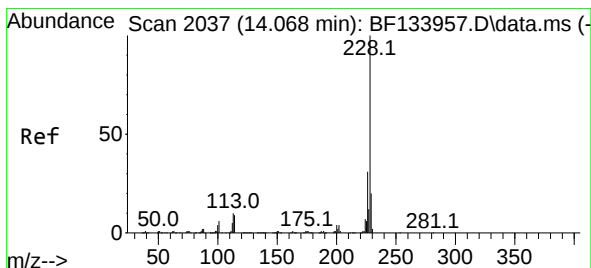
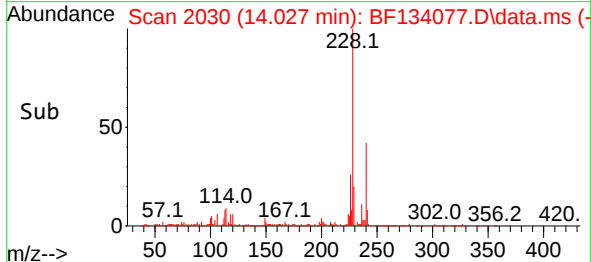
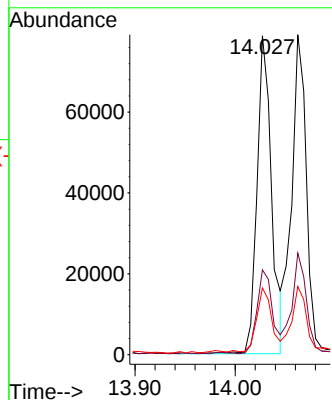
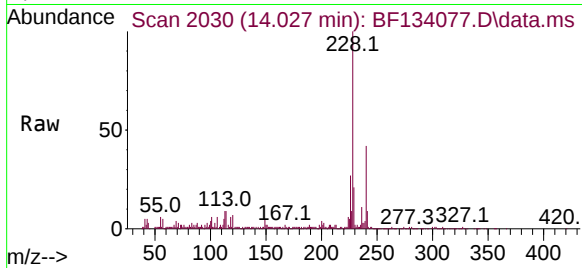




#81
Benzo(a)anthracene
Concen: 4.362 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.012 min
Lab File: BF134077.D
Acq: 05 Jul 2023 20:59

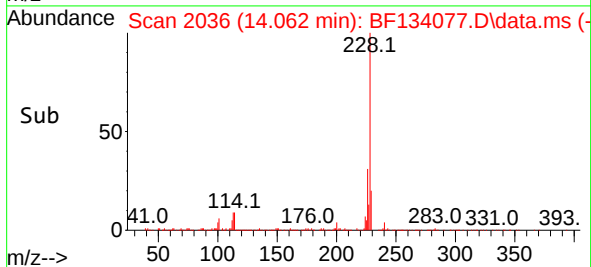
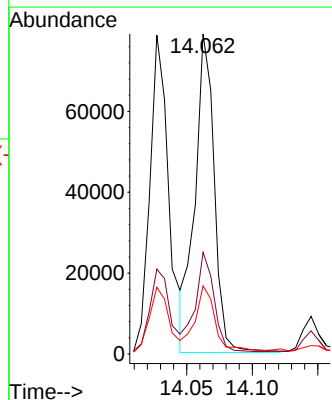
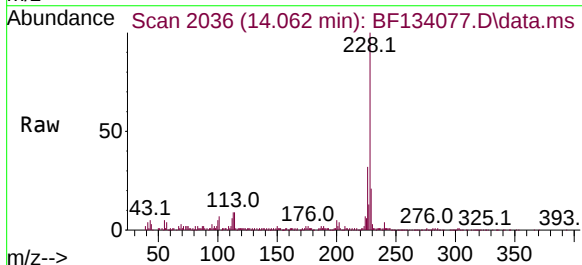
Instrument :
BNA_F
ClientSampleId :
RO-CHRT-24801

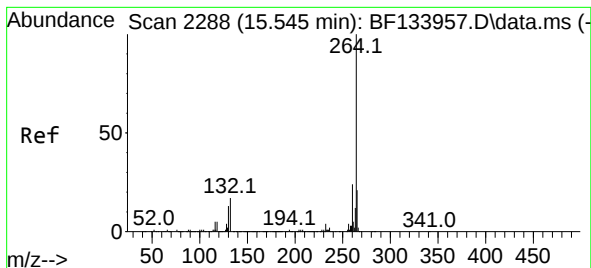
Tgt Ion:228 Resp: 79299
Ion Ratio Lower Upper
228 100
226 26.6 22.0 33.0
229 20.9 16.3 24.5



#83
Chrysene
Concen: 4.600 ng
RT: 14.062 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF134077.D
Acq: 05 Jul 2023 20:59

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# 21

Delta R.T. -0.006 min

Lab File: BF134077.D

Acq: 05 Jul 2023 20:59

Instrument :

BNA_F

ClientSampleId :

RO-CHRT-24801

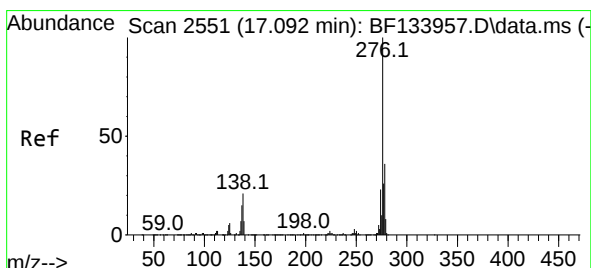
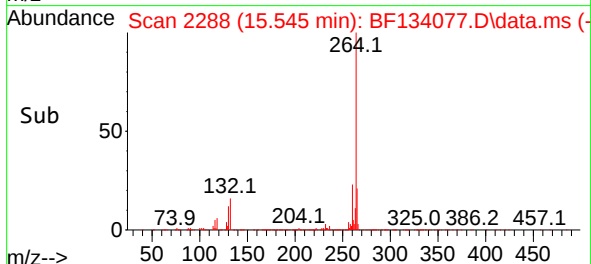
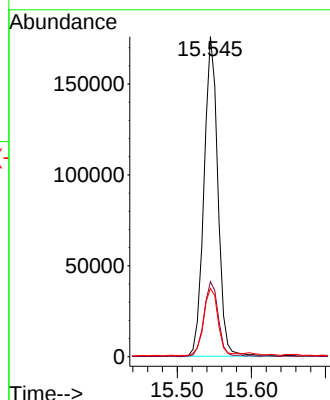
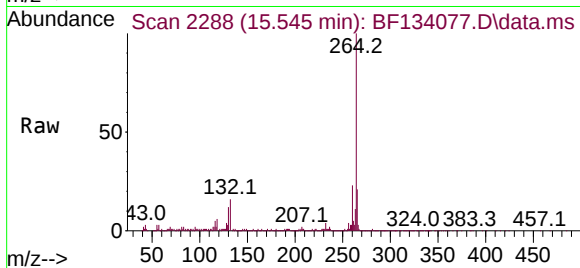
Tgt Ion:264 Resp: 229745

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# 2549

Delta R.T. -0.030 min

Lab File: BF134077.D

Acq: 05 Jul 2023 20:59

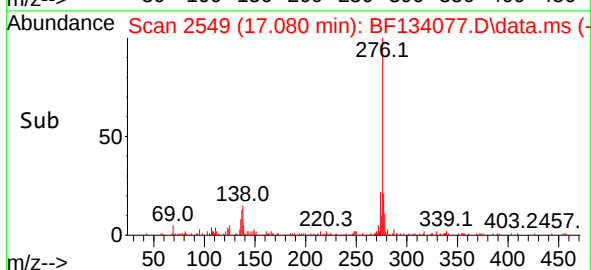
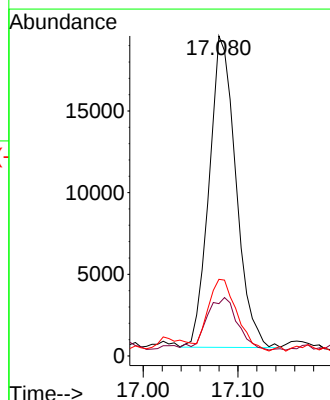
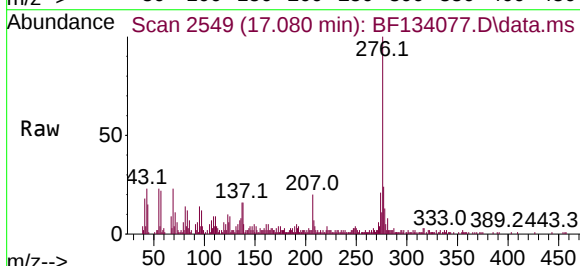
Tgt Ion:276 Resp: 37433

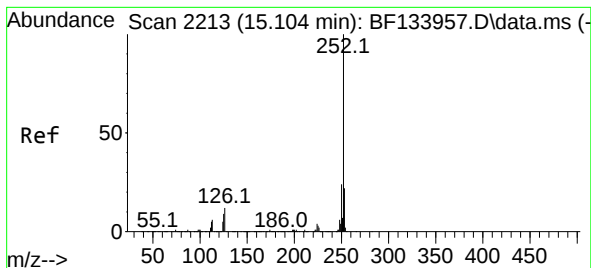
Ion Ratio Lower Upper

276 100

138 19.8 18.7 28.1

277 25.2 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 6.667 ng m

RT: 15.098 min Scan# 2212

Delta R.T. -0.012 min

Lab File: BF134077.D

Acq: 05 Jul 2023 20:59

Instrument :

BNA_F

ClientSampleId :

RO-CHRT-24801

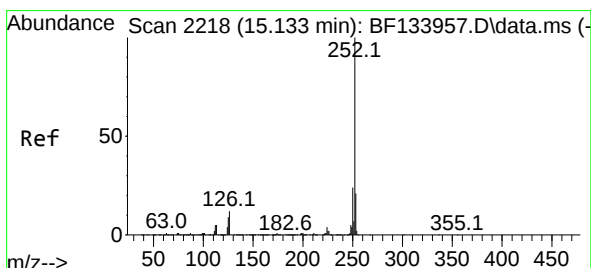
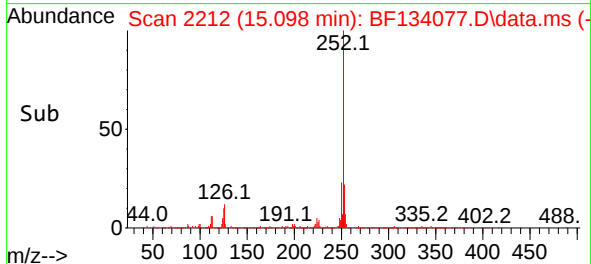
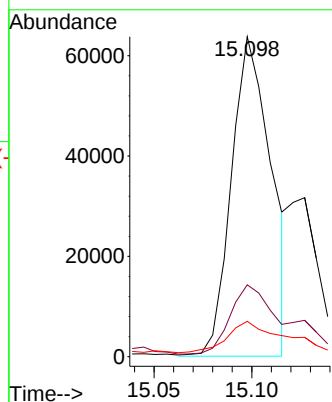
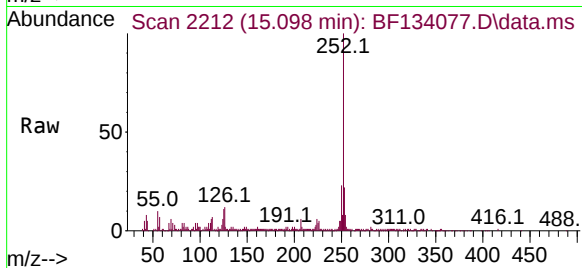
Tgt Ion:252 Resp: 90066

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: 2.459 ng m

RT: 15.127 min Scan# 2217

Delta R.T. -0.012 min

Lab File: BF134077.D

Acq: 05 Jul 2023 20:59

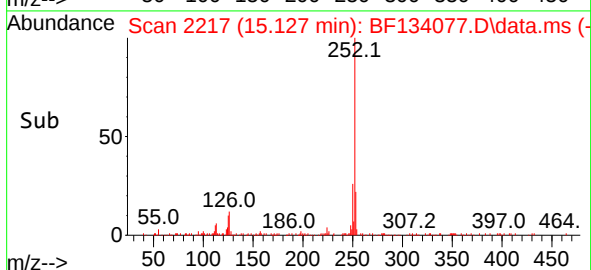
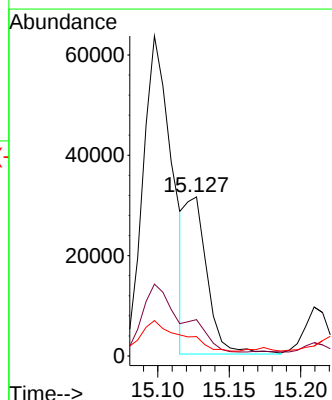
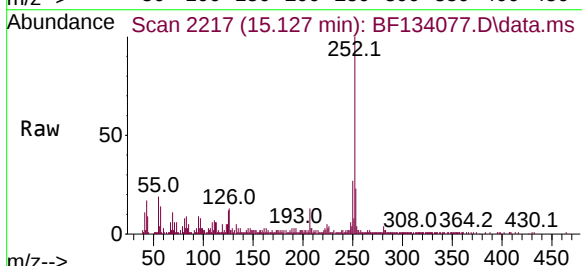
Tgt Ion:252 Resp: 33816

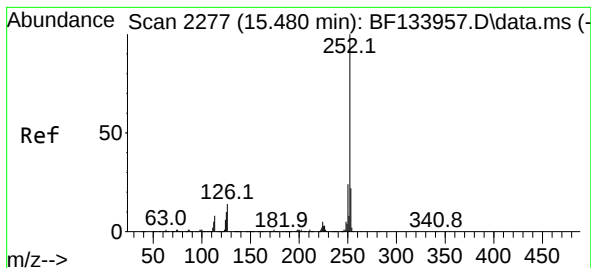
Ion Ratio Lower Upper

252 100

253 22.9 16.9 25.3

125 12.2 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 4.604 ng

RT: 15.480 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF134077.D

Acq: 05 Jul 2023 20:59

Instrument :

BNA_F

ClientSampleId :

RO-CHRT-24801

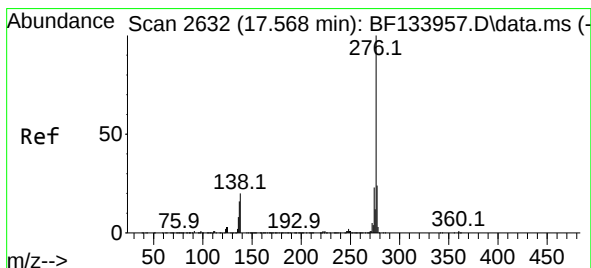
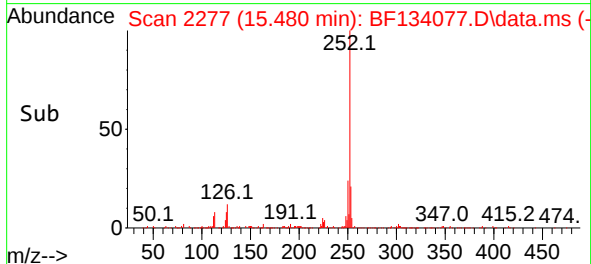
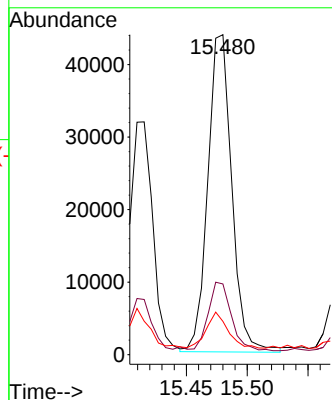
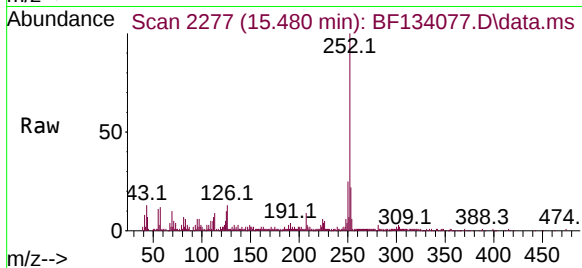
Tgt Ion:252 Resp: 60141

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# 2630

Delta R.T. -0.024 min

Lab File: BF134077.D

Acq: 05 Jul 2023 20:59

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

