

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103122\
 Data File : BF130879.D
 Acq On : 31 Oct 2022 14:58
 Operator : CG\JU
 Sample : N5327-01RE
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LACY-05

Quant Time: Nov 01 02:27:56 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 29 05:41:34 2022
 Response via : Initial Calibration

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

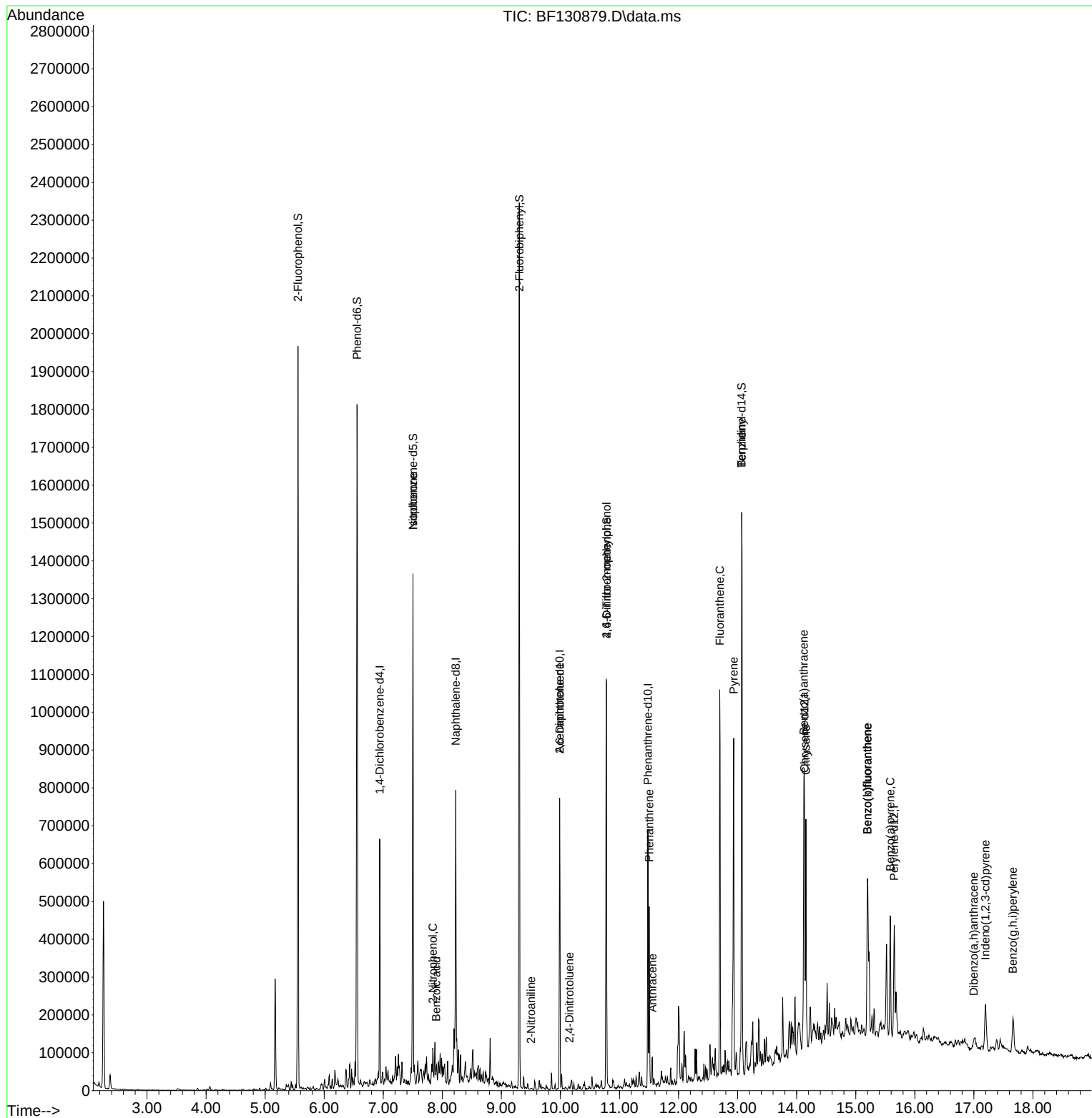
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.939	152	76588	20.000	ng	0.00
21) Naphthalene-d8	8.228	136	280097	20.000	ng	0.00
39) Acenaphthene-d10	9.986	164	139385	20.000	ng	-0.01
64) Phenanthrene-d10	11.480	188	216588	20.000	ng	0.00
76) Chrysene-d12	14.133	240	154164	20.000	ng	0.00
86) Perylene-d12	15.651	264	128118	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	469514	106.277	ng	0.00
7) Phenol-d6	6.557	99	596026	103.820	ng	0.00
23) Nitrobenzene-d5	7.504	82	383416	82.541	ng	-0.01
42) 2,4,6-Tribromophenol	10.780	330	123275	105.063	ng	0.00
45) 2-Fluorobiphenyl	9.304	172	632696	68.627	ng	0.00
79) Terphenyl-d14	13.068	244	491356	58.405	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.504	82	382979	39.981	ng	# 66
26) 2-Nitrophenol	7.839	139	53	4.106	ng	# 1
32) Benzoic acid	7.898	122	56	7.696	ng	# 1
48) 2-Nitroaniline	9.504	65	283	4.248	ng	# 39
51) 2,6-Dinitrotoluene	9.986	165	18010	12.110	ng	# 14
57) 2,4-Dinitrotoluene	10.151	165	810	4.033	ng	# 87
65) 4,6-Dinitro-2-methylph...	10.780	198	540	8.426	ng	# 1
71) Phenanthrene	11.504	178	150718	13.482	ng	100
72) Anthracene	11.557	178	29670	2.691	ng	100
75) Fluoranthene	12.698	202	393550	33.134	ng	99
77) Benzidine	13.068	184	7718	2.062	ng	# 89
78) Pyrene	12.933	202	361971	27.830	ng	99
81) Benzo(a)anthracene	14.121	228	222998	21.818	ng	97
83) Chrysene	14.157	228	201414	20.429	ng	96
87) Indeno(1,2,3-cd)pyrene	17.198	276	80657	9.480	ng	96
88) Benzo(b)fluoranthene	15.198	252	325091	39.253	ng	98
89) Benzo(k)fluoranthene	15.198	252	325091	40.283	ng	99
90) Benzo(a)pyrene	15.586	252	148287	22.273	ng	97
91) Dibenzo(a,h)anthracene	16.998	278	18524	2.671	ng	97
92) Benzo(g,h,i)perylene	17.662	276	74249	10.493	ng	98

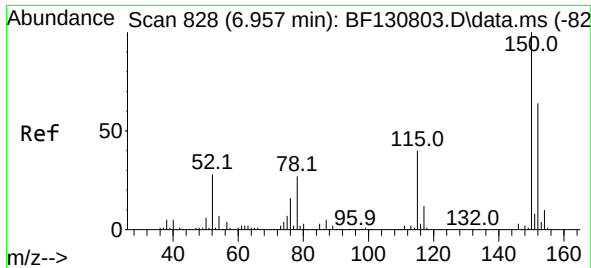
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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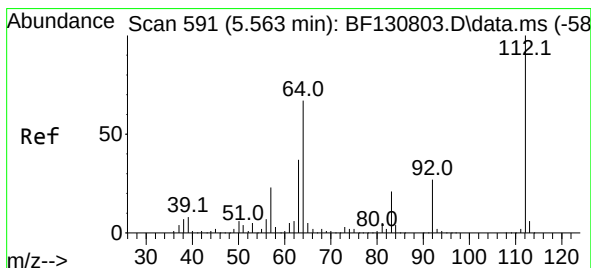
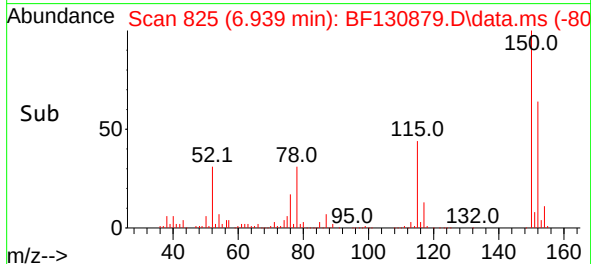
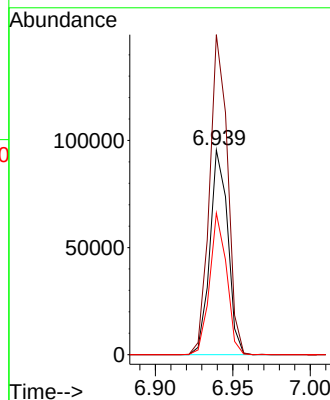
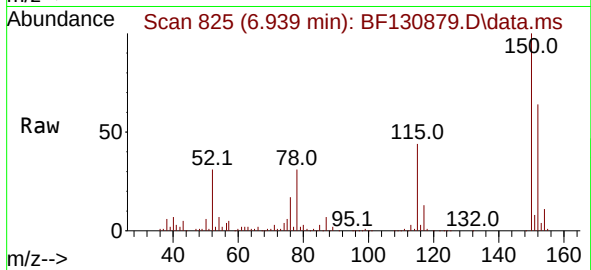




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.939 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BF130879.D
 Acq: 31 Oct 2022 14:58

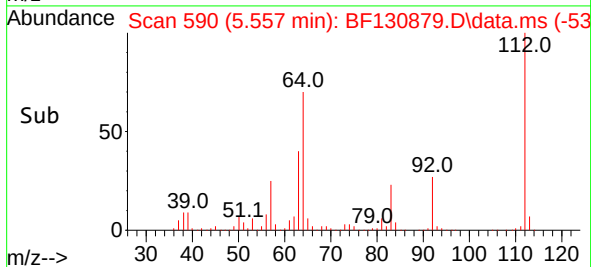
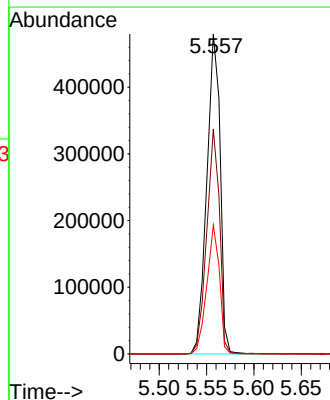
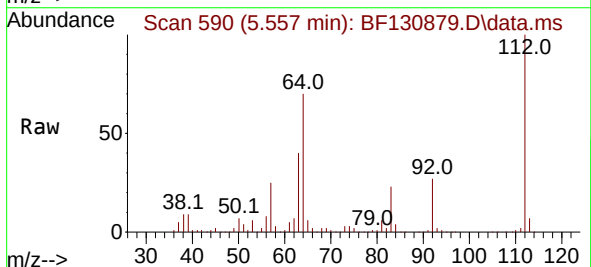
Instrument :
 BNA_F
 ClientSampleId :
 LACY-05

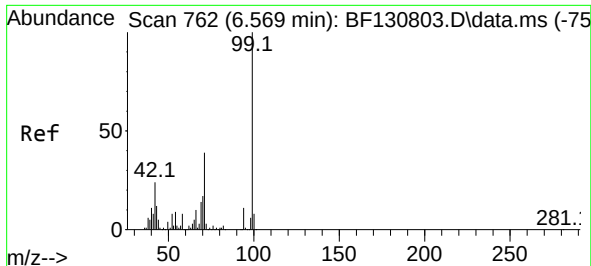
Tgt Ion:152 Resp: 76588
 Ion Ratio Lower Upper
 152 100
 150 156.3 124.1 186.1
 115 69.2 50.1 75.1



#5
 2-Fluorophenol
 Concen: 106.277 ng
 RT: 5.557 min Scan# 590
 Delta R.T. -0.000 min
 Lab File: BF130879.D
 Acq: 31 Oct 2022 14:58

Tgt Ion:112 Resp: 469514
 Ion Ratio Lower Upper
 112 100
 64 70.3 53.9 80.9
 63 40.3 29.4 44.2

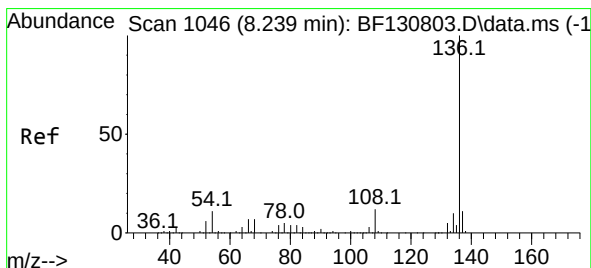
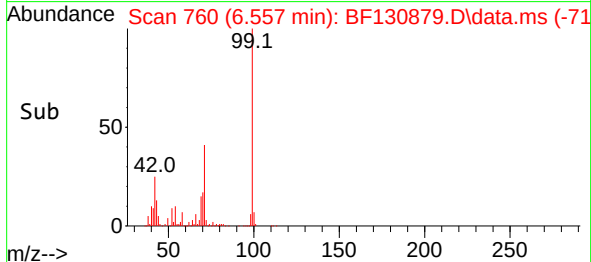
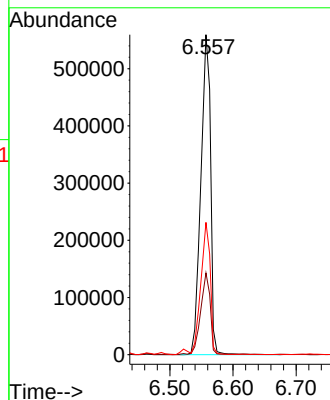
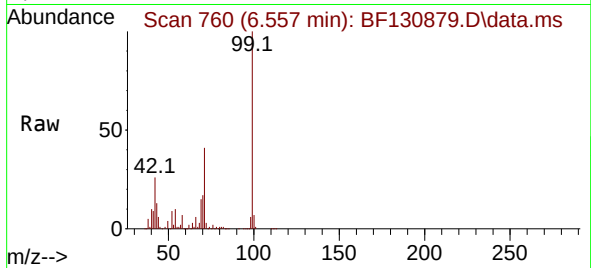




#7
Phenol-d6
Concen: 103.820 ng
RT: 6.557 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130879.D
Acq: 31 Oct 2022 14:58

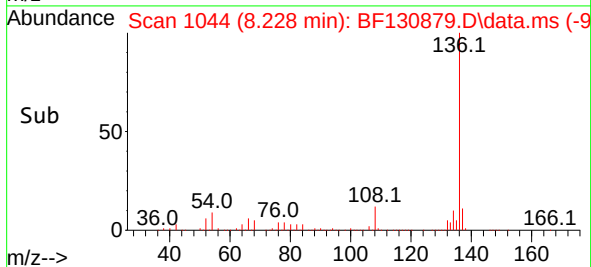
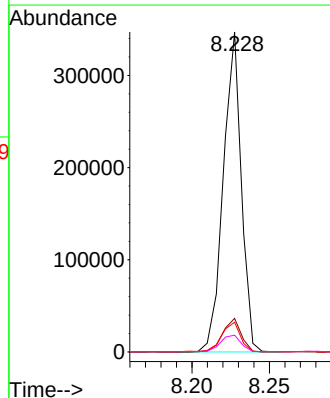
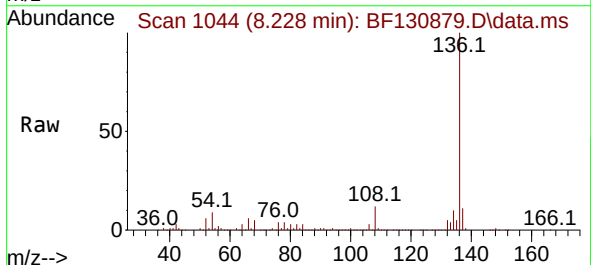
Instrument :
BNA_F
ClientSampleId :
LACY-05

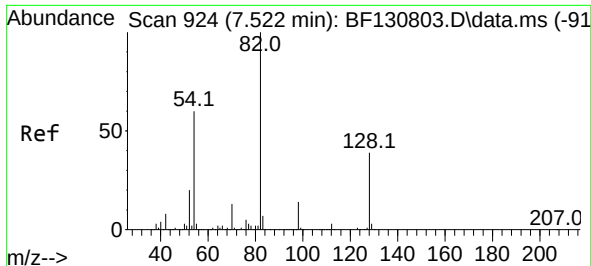
Tgt Ion: 99 Resp: 596026
Ion Ratio Lower Upper
99 100
42 25.5 18.8 28.2
71 41.4 31.4 47.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.228 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BF130879.D
Acq: 31 Oct 2022 14:58

Tgt Ion: 136 Resp: 280097
Ion Ratio Lower Upper
136 100
137 10.5 9.2 13.8
54 9.3 8.8 13.2
68 5.2 5.2 7.8

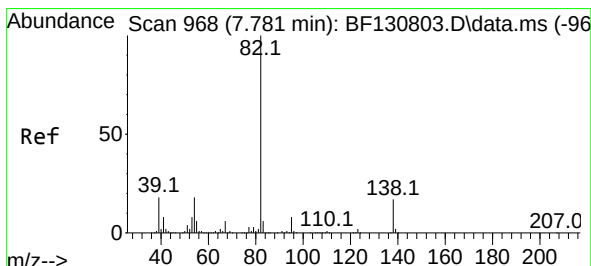
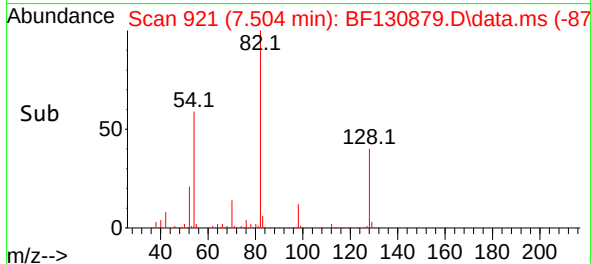
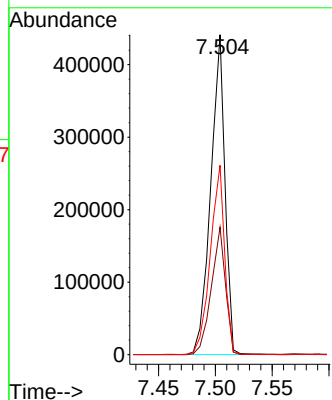
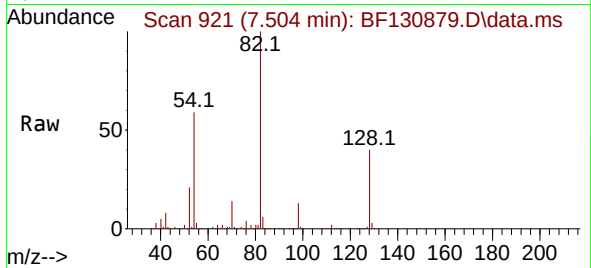




#23
Nitrobenzene-d5
Concen: 82.541 ng
RT: 7.504 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF130879.D
Acq: 31 Oct 2022 14:58

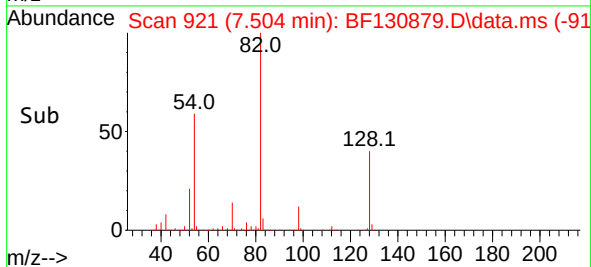
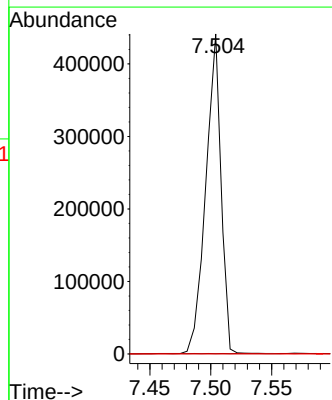
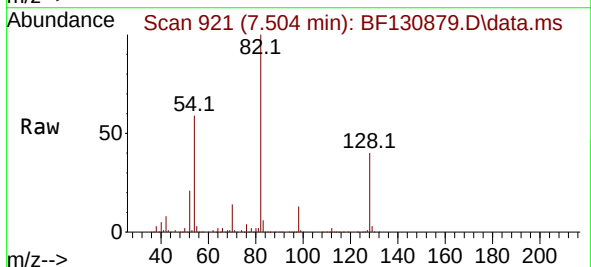
Instrument :
BNA_F
ClientSampleId :
LACY-05

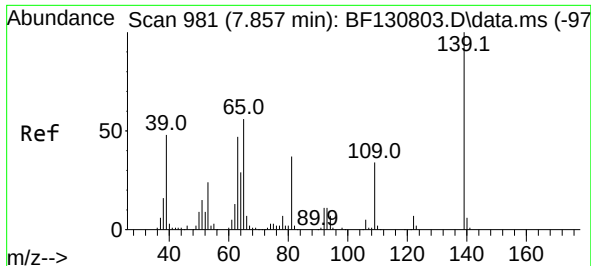
Tgt Ion: 82 Resp: 383416
Ion Ratio Lower Upper
82 100
128 39.9 31.2 46.8
54 59.2 48.0 72.0



#25
Isophorone
Concen: 39.981 ng
RT: 7.504 min Scan# 921
Delta R.T. -0.265 min
Lab File: BF130879.D
Acq: 31 Oct 2022 14:58

Tgt Ion: 82 Resp: 382979
Ion Ratio Lower Upper
82 100
95 0.1 6.2 9.4#
138 0.0 13.8 20.6#

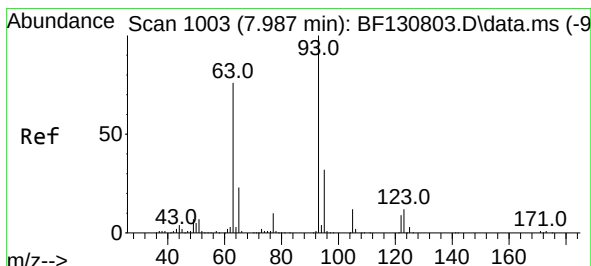
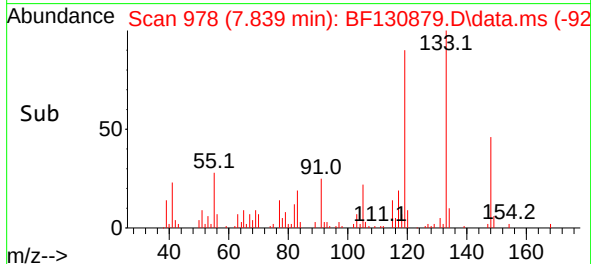
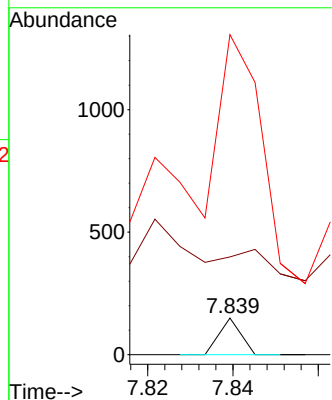
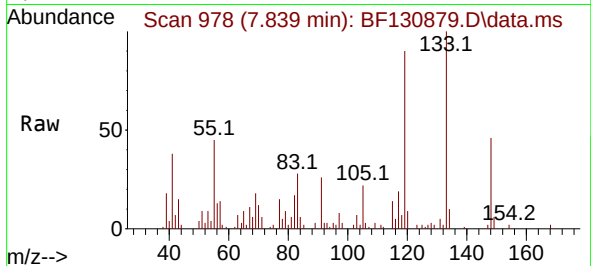




#26
2-Nitrophenol
Concen: 4.106 ng
RT: 7.839 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF130879.D
Acq: 31 Oct 2022 14:58

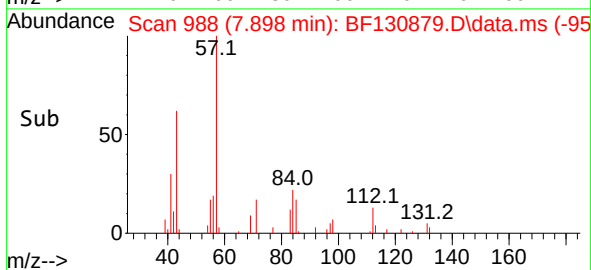
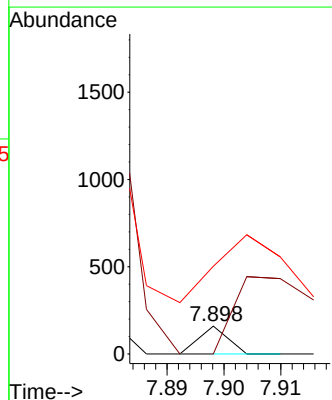
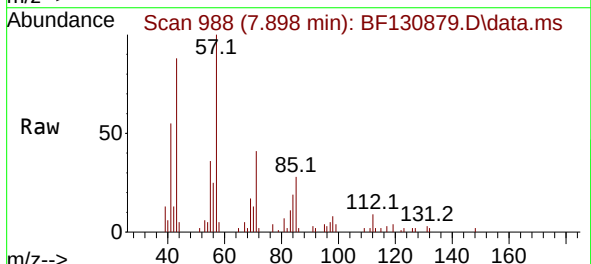
Instrument :
BNA_F
ClientSampleId :
LACY-05

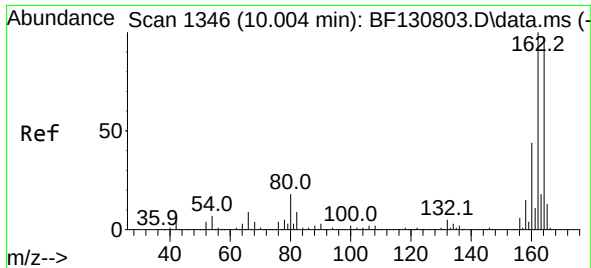
Tgt Ion:139 Resp: 53
Ion Ratio Lower Upper
139 100
109 266.0 27.3 40.9#
65 870.7 44.6 67.0#



#32
Benzoic acid
Concen: 7.696 ng
RT: 7.898 min Scan# 988
Delta R.T. -0.088 min
Lab File: BF130879.D
Acq: 31 Oct 2022 14:58

Tgt Ion:122 Resp: 56
Ion Ratio Lower Upper
122 100
105 0.0 114.5 154.5#
77 314.4 89.8 129.8#

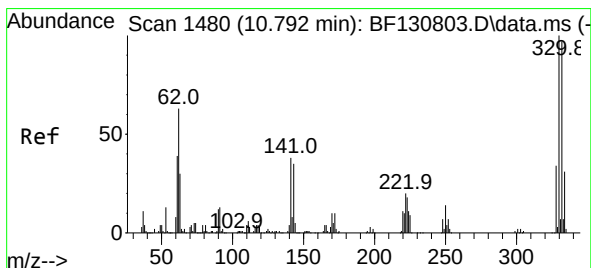
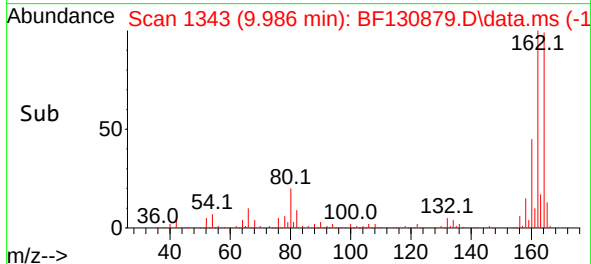
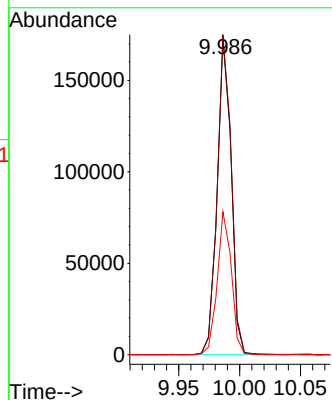
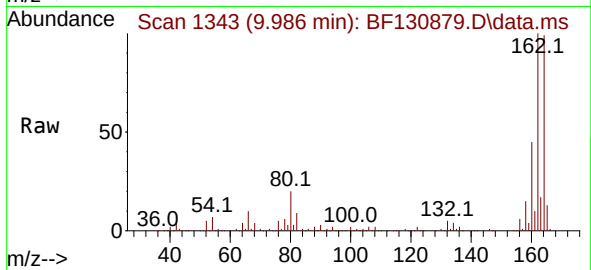




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.986 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF130879.D
Acq: 31 Oct 2022 14:58

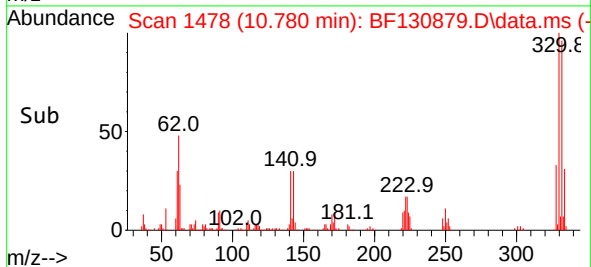
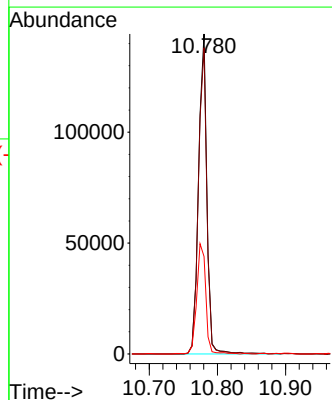
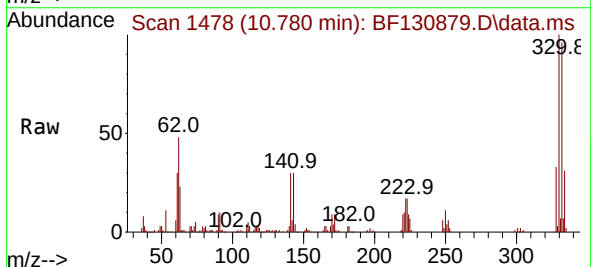
Instrument :
BNA_F
ClientSampleId :
LACY-05

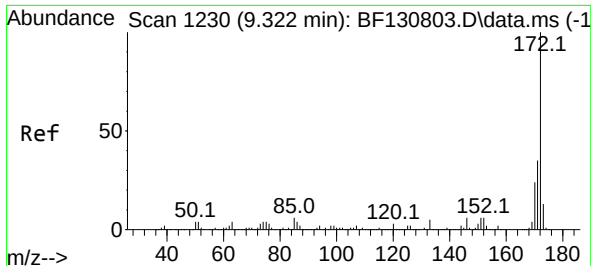
Tgt Ion:164 Resp: 139385
Ion Ratio Lower Upper
164 100
162 101.1 82.2 123.2
160 45.2 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 105.063 ng
RT: 10.780 min Scan# 1478
Delta R.T. -0.006 min
Lab File: BF130879.D
Acq: 31 Oct 2022 14:58

Tgt Ion:330 Resp: 123275
Ion Ratio Lower Upper
330 100
332 96.8 76.2 114.4
141 37.2 31.4 47.0





#45

2-Fluorobiphenyl

Concen: 68.627 ng

RT: 9.304 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF130879.D

Acq: 31 Oct 2022 14:58

Instrument :

BNA_F

ClientSampleId :

LACY-05

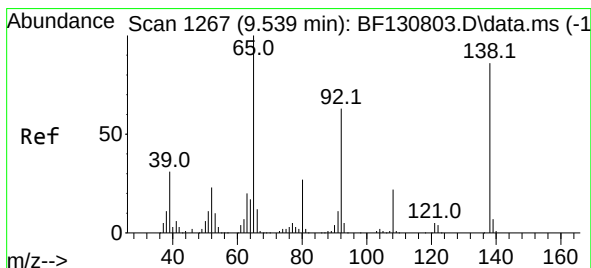
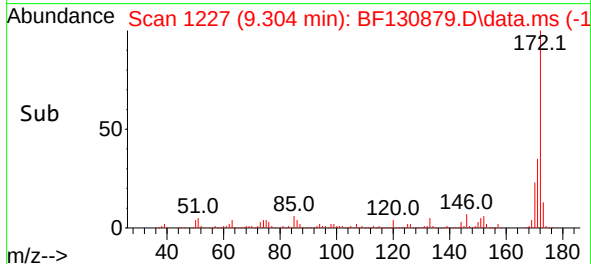
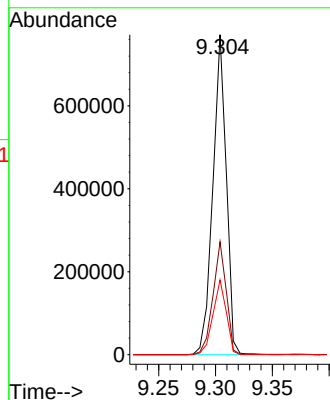
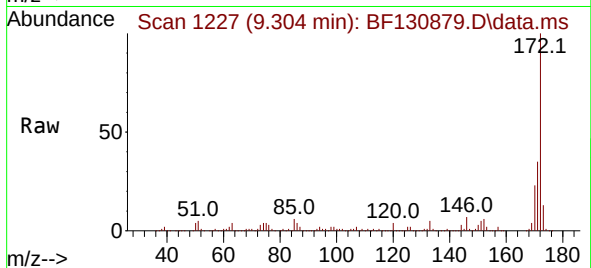
Tgt Ion:172 Resp: 632696

Ion Ratio Lower Upper

172 100

171 35.3 28.1 42.1

170 23.3 19.0 28.4



#48

2-Nitroaniline

Concen: 4.248 ng

RT: 9.504 min Scan# 1261

Delta R.T. -0.030 min

Lab File: BF130879.D

Acq: 31 Oct 2022 14:58

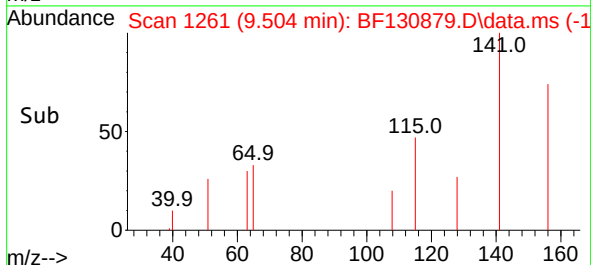
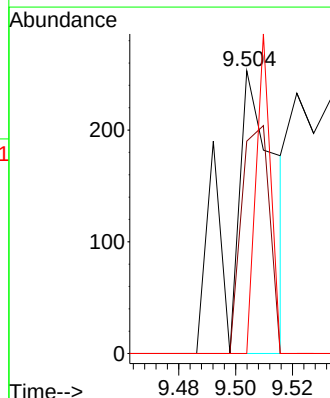
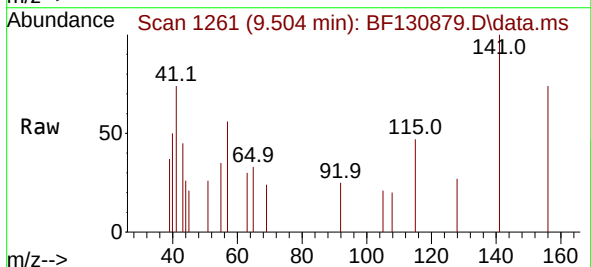
Tgt Ion: 65 Resp: 283

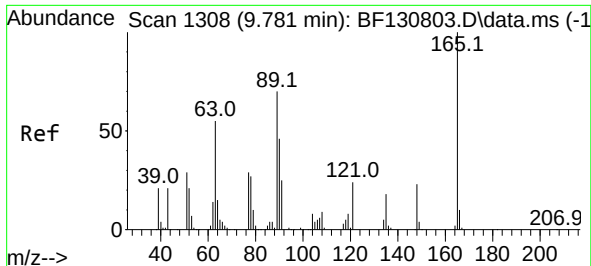
Ion Ratio Lower Upper

65 100

92 75.1 50.1 75.1

138 0.0 69.2 103.8#





#51

2,6-Dinitrotoluene

Concen: 12.110 ng

RT: 9.986 min Scan# 1

Delta R.T. 0.212 min

Lab File: BF130879.D

Acq: 31 Oct 2022 14:58

Instrument :

BNA_F

ClientSampleId :

LACY-05

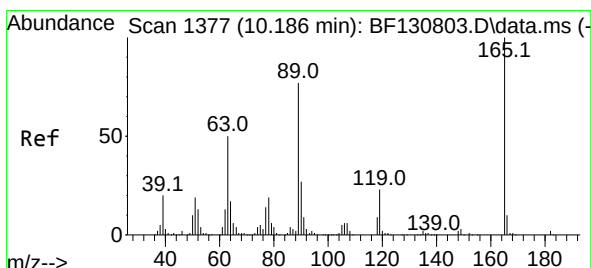
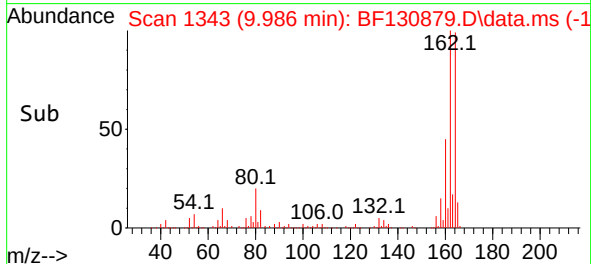
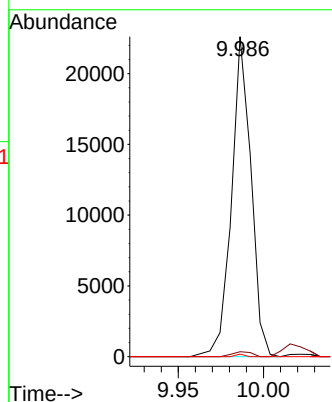
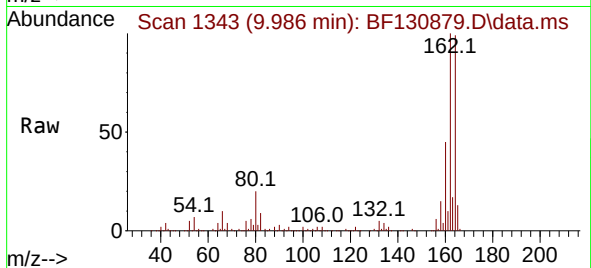
Tgt Ion:165 Resp: 18010

Ion Ratio Lower Upper

165 100

63 1.6 61.8 92.8#

89 0.8 56.2 84.4#



#57

2,4-Dinitrotoluene

Concen: 4.033 ng

RT: 10.151 min Scan# 1371

Delta R.T. -0.030 min

Lab File: BF130879.D

Acq: 31 Oct 2022 14:58

Tgt Ion:165 Resp: 810

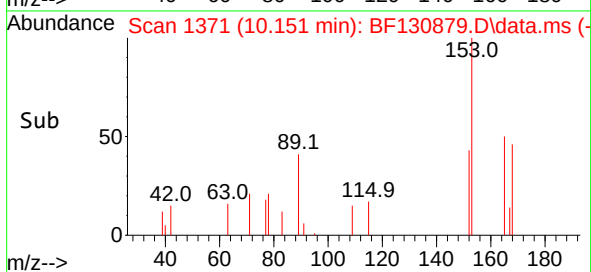
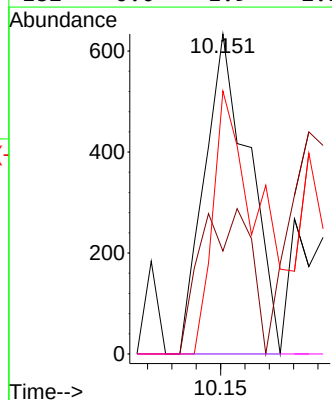
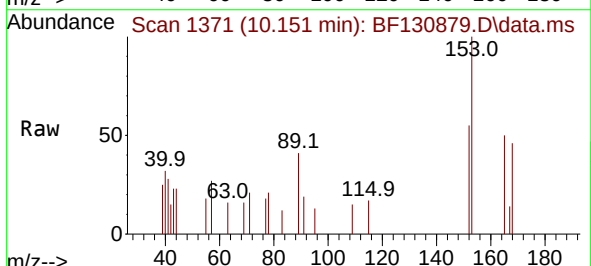
Ion Ratio Lower Upper

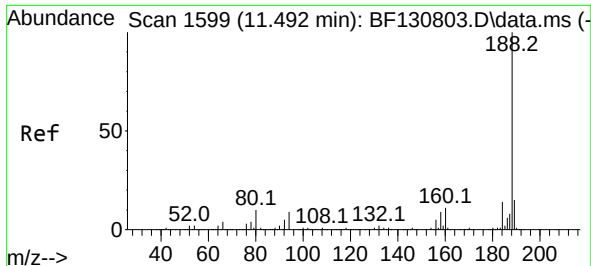
165 100

63 32.2 39.8 59.6#

89 82.2 61.9 92.9

182 0.0 1.9 2.9#

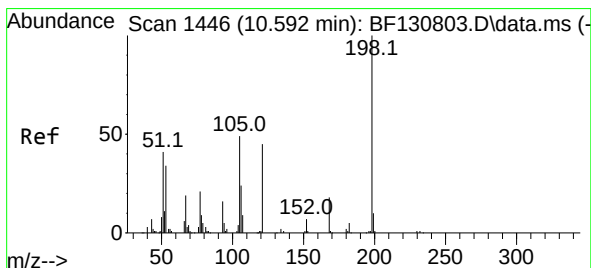
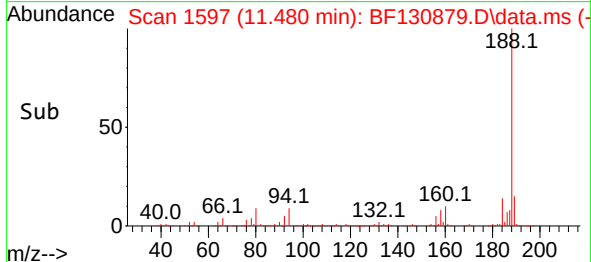
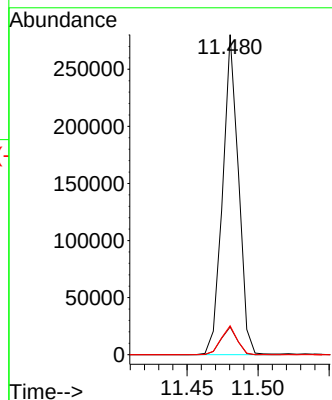
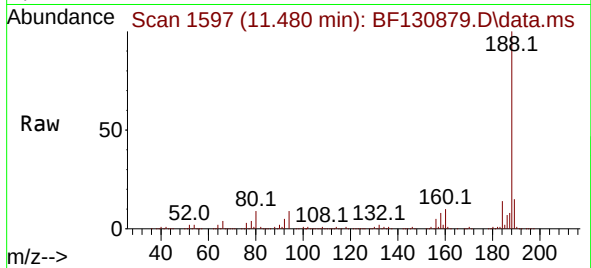




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF130879.D
Acq: 31 Oct 2022 14:58

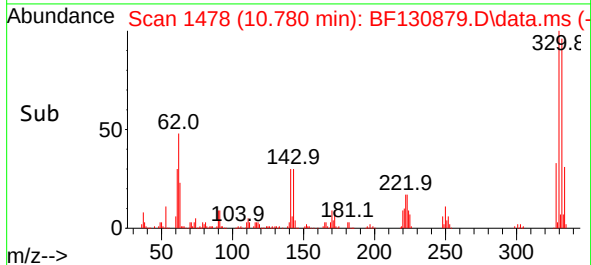
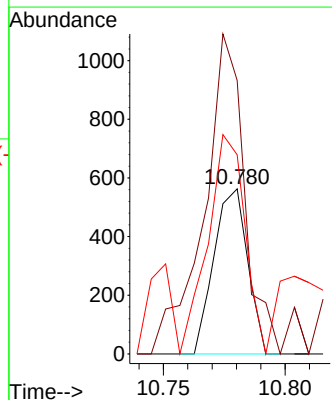
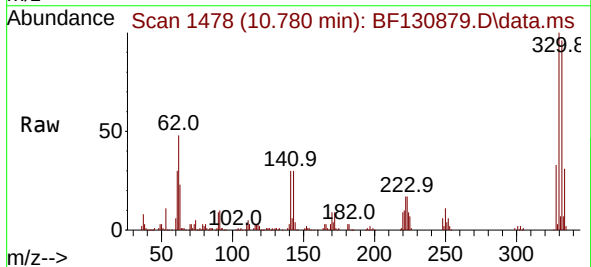
Instrument :
BNA_F
ClientSampleId :
LACY-05

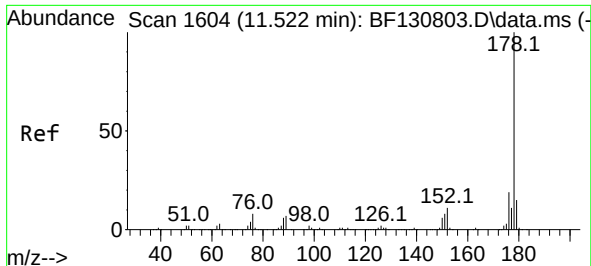
Tgt Ion:188 Resp: 216588
Ion Ratio Lower Upper
188 100
94 8.7 7.4 11.2
80 9.1 8.0 12.0



#65
4,6-Dinitro-2-methylphenol
Concen: 8.426 ng
RT: 10.780 min Scan# 1478
Delta R.T. 0.194 min
Lab File: BF130879.D
Acq: 31 Oct 2022 14:58

Tgt Ion:198 Resp: 540
Ion Ratio Lower Upper
198 100
51 165.7 39.0 79.0#
105 120.6 30.6 70.6#

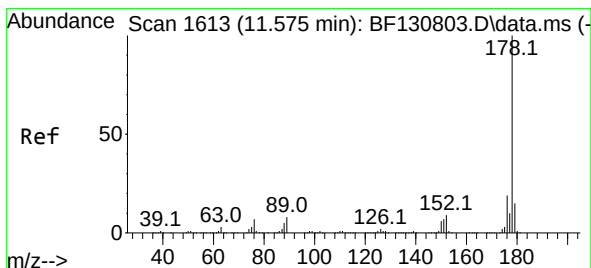
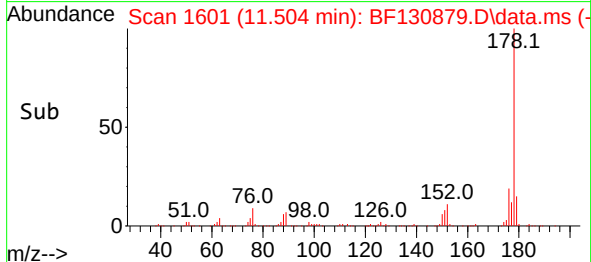
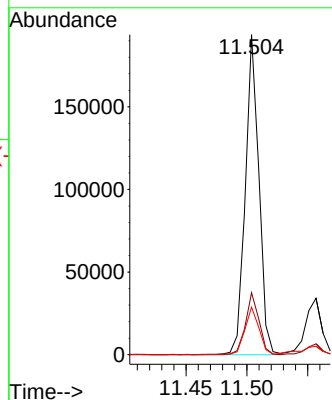
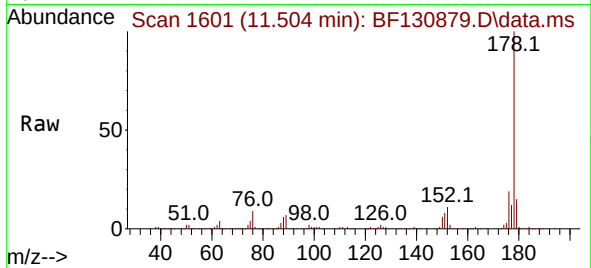




#71
Phenanthrene
Concen: 13.482 ng
RT: 11.504 min Scan# 1610
Delta R.T. -0.006 min
Lab File: BF130879.D
Acq: 31 Oct 2022 14:58

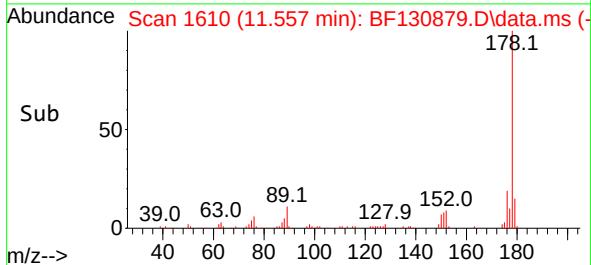
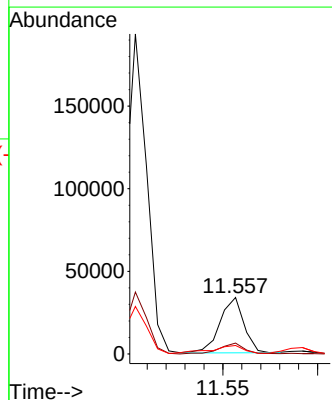
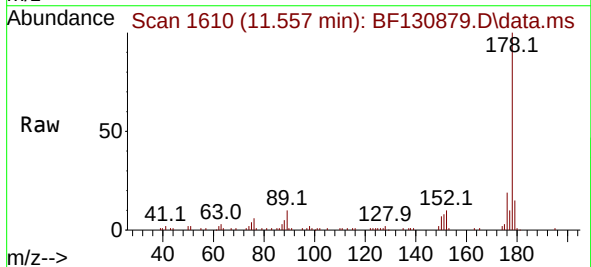
Instrument :
BNA_F
ClientSampleId :
LACY-05

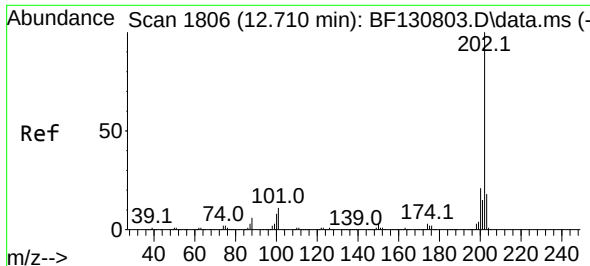
Tgt Ion:178 Resp: 150718
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 14.9 12.2 18.2



#72
Anthracene
Concen: 2.691 ng
RT: 11.557 min Scan# 1610
Delta R.T. -0.006 min
Lab File: BF130879.D
Acq: 31 Oct 2022 14:58

Tgt Ion:178 Resp: 29670
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 15.1 12.2 18.4

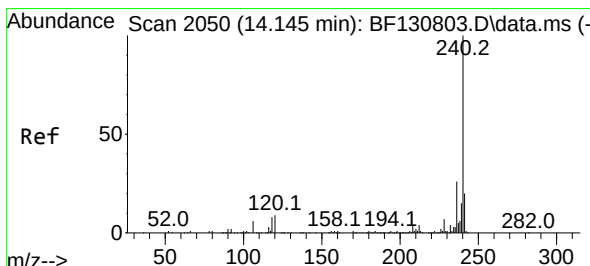
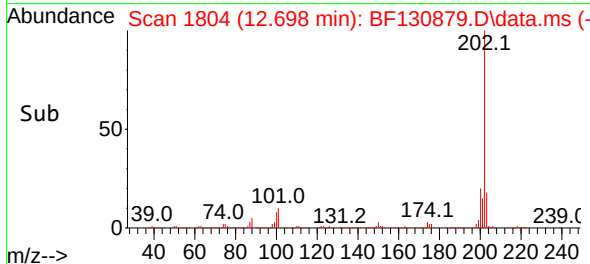
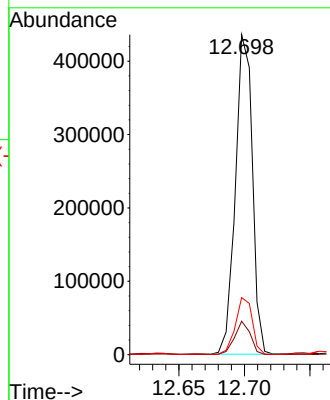
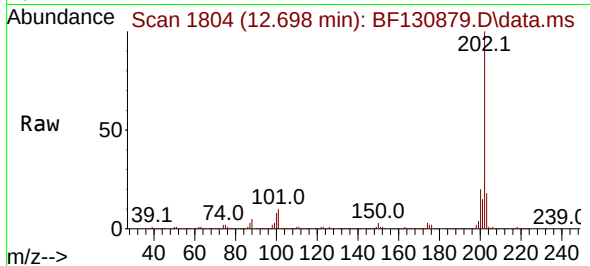




#75
Fluoranthene
Concen: 33.134 ng
RT: 12.698 min Scan# 1804
Delta R.T. -0.006 min
Lab File: BF130879.D
Acq: 31 Oct 2022 14:58

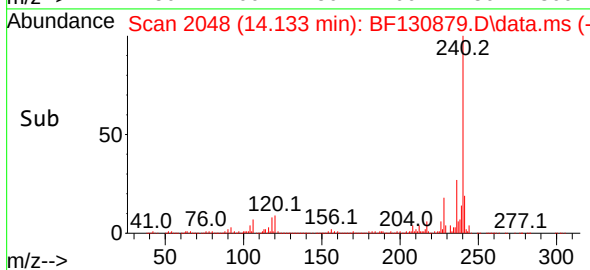
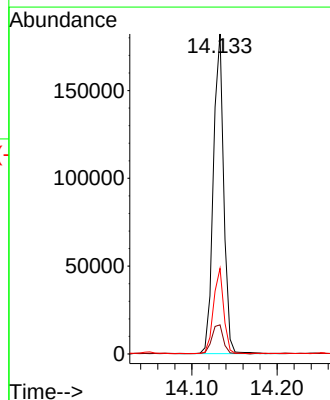
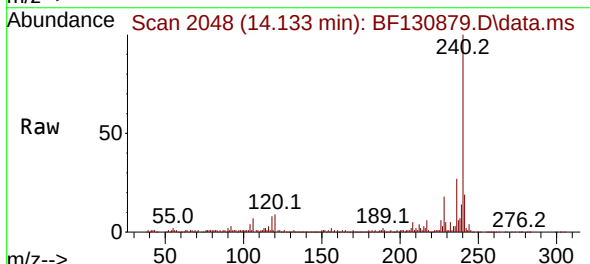
Instrument :
BNA_F
ClientSampleId :
LACY-05

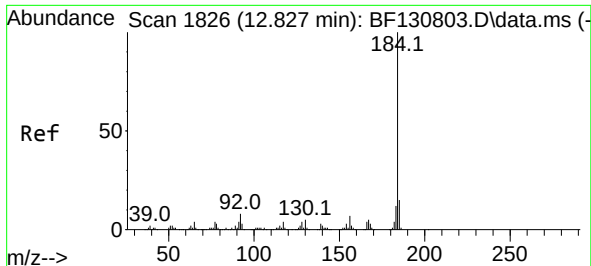
Tgt Ion:202 Resp: 393550
Ion Ratio Lower Upper
202 100
101 10.5 0.0 30.9
203 17.9 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2048
Delta R.T. -0.000 min
Lab File: BF130879.D
Acq: 31 Oct 2022 14:58

Tgt Ion:240 Resp: 154164
Ion Ratio Lower Upper
240 100
120 9.1 7.0 10.4
236 26.8 20.5 30.7

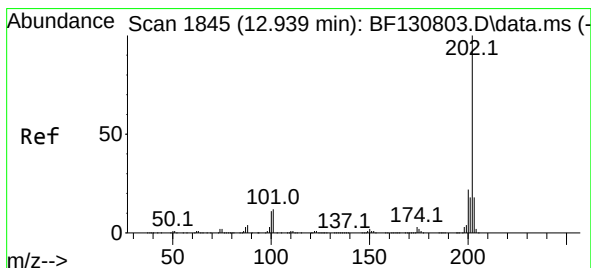
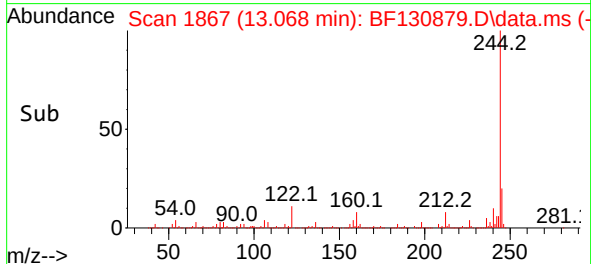
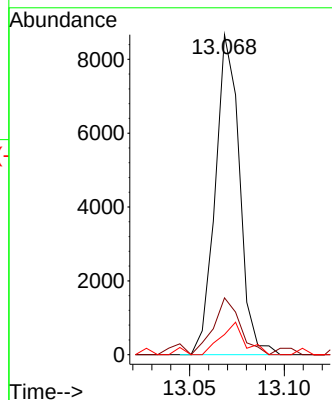
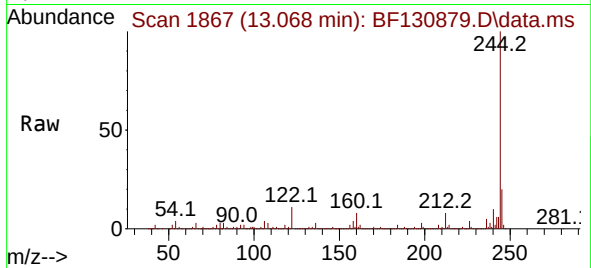




#77
Benzidine
Concen: 2.062 ng
RT: 13.068 min Scan# 1867
Delta R.T. 0.247 min
Lab File: BF130879.D
Acq: 31 Oct 2022 14:58

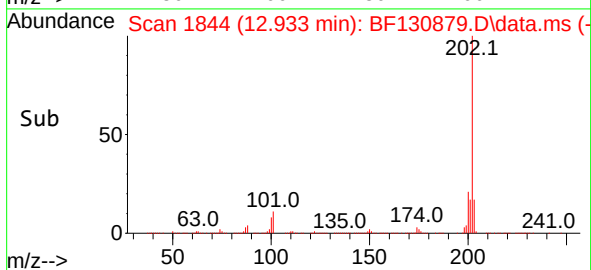
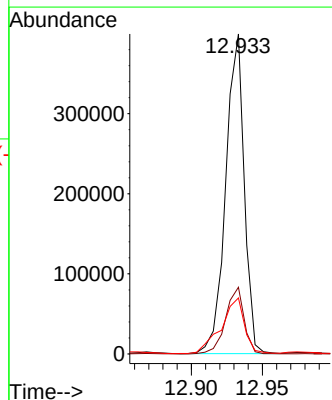
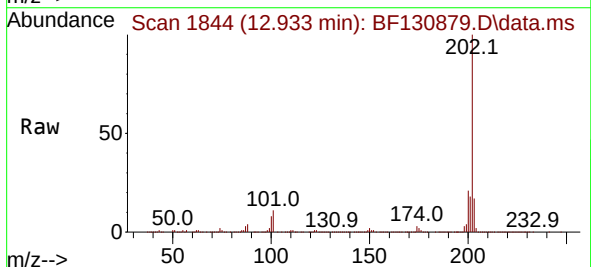
Instrument :
BNA_F
ClientSampleId :
LACY-05

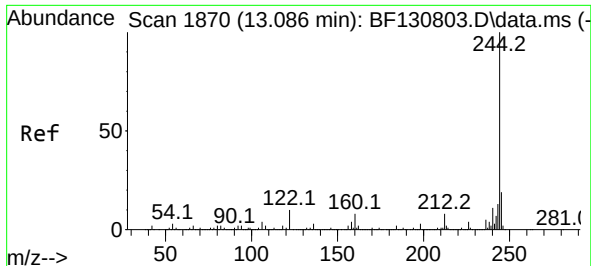
Tgt Ion:184 Resp: 7718
Ion Ratio Lower Upper
184 100
185 17.8 11.8 17.8#
183 6.3 9.7 14.5#



#78
Pyrene
Concen: 27.830 ng
RT: 12.933 min Scan# 1844
Delta R.T. -0.000 min
Lab File: BF130879.D
Acq: 31 Oct 2022 14:58

Tgt Ion:202 Resp: 361971
Ion Ratio Lower Upper
202 100
200 20.9 17.2 25.8
203 17.5 14.5 21.7

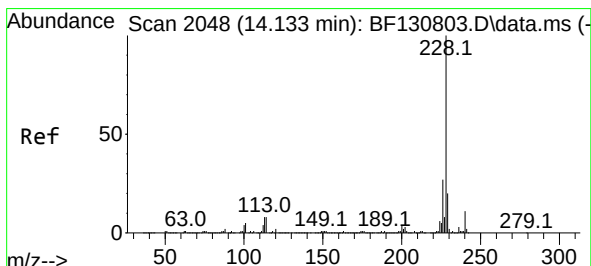
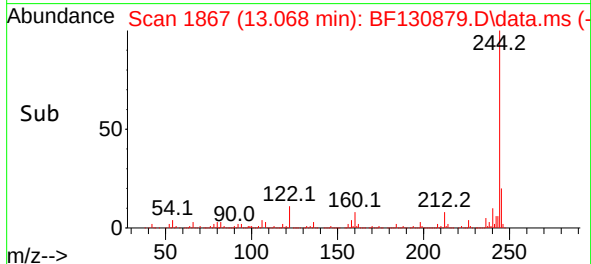
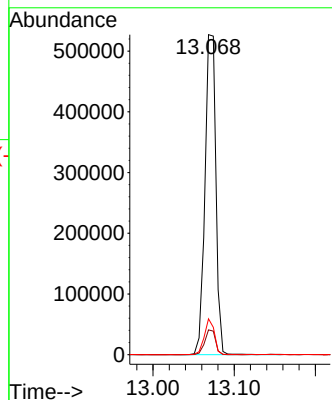
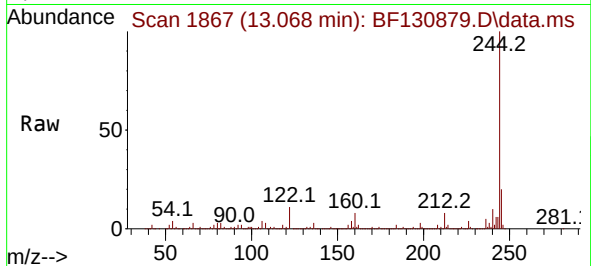




#79
 Terphenyl-d14
 Concen: 58.405 ng
 RT: 13.068 min Scan# 1867
 Delta R.T. -0.006 min
 Lab File: BF130879.D
 Acq: 31 Oct 2022 14:58

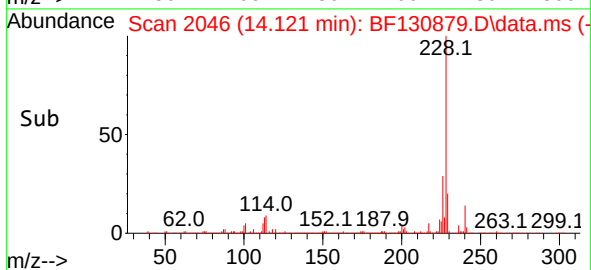
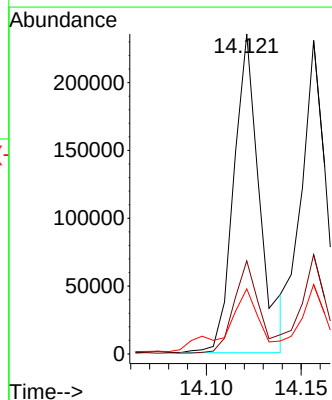
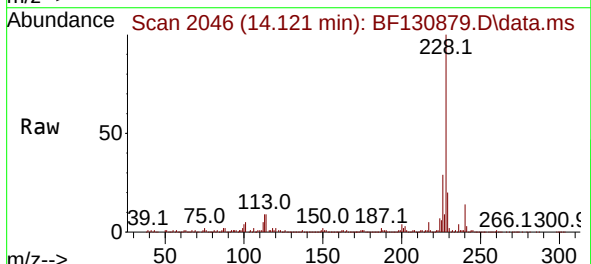
Instrument :
 BNA_F
 ClientSampleId :
 LACY-05

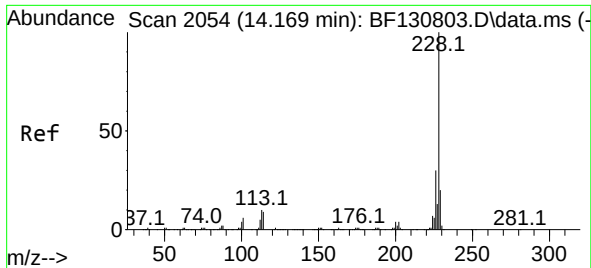
Tgt Ion:244 Resp: 491356
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.2 9.2
 122 11.2 7.9 11.9



#81
 Benzo(a)anthracene
 Concen: 21.818 ng
 RT: 14.121 min Scan# 2046
 Delta R.T. -0.000 min
 Lab File: BF130879.D
 Acq: 31 Oct 2022 14:58

Tgt Ion:228 Resp: 222998
 Ion Ratio Lower Upper
 228 100
 226 29.1 21.4 32.2
 229 20.4 15.8 23.6





#83

Chrysene

Concen: 20.429 ng

RT: 14.157 min Scan# 2052

Delta R.T. -0.000 min

Lab File: BF130879.D

Acq: 31 Oct 2022 14:58

Instrument :

BNA_F

ClientSampleId :

LACY-05

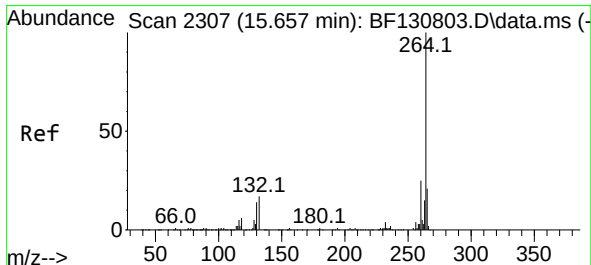
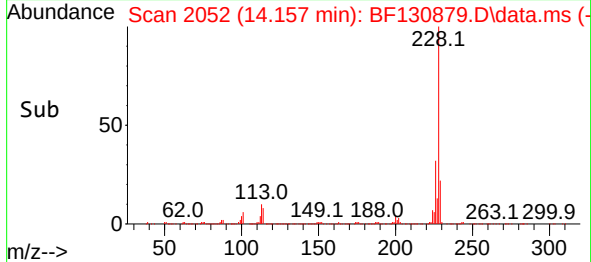
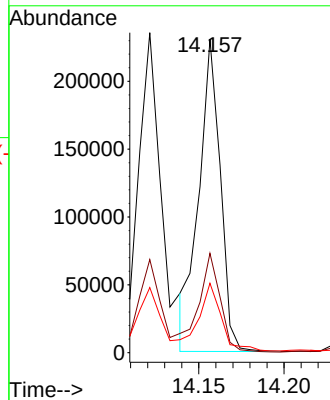
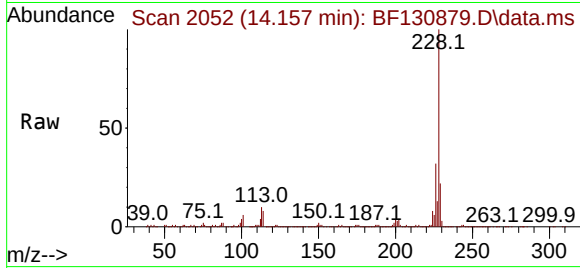
Tgt Ion:228 Resp: 201414

Ion Ratio Lower Upper

228 100

226 31.7 23.9 35.9

229 22.2 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.651 min Scan# 2306

Delta R.T. 0.006 min

Lab File: BF130879.D

Acq: 31 Oct 2022 14:58

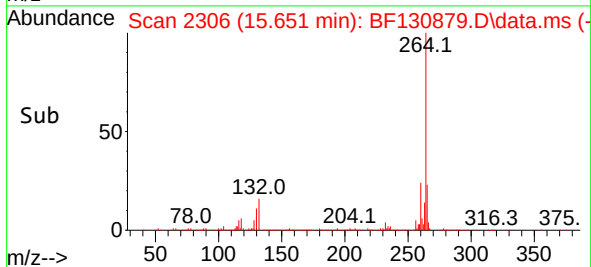
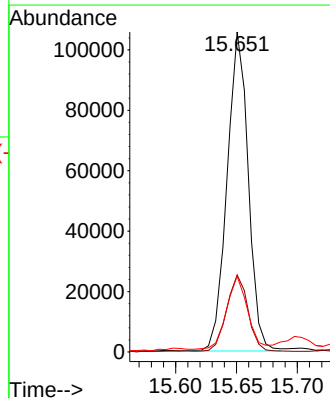
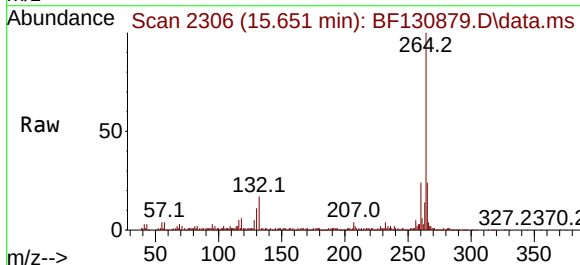
Tgt Ion:264 Resp: 128118

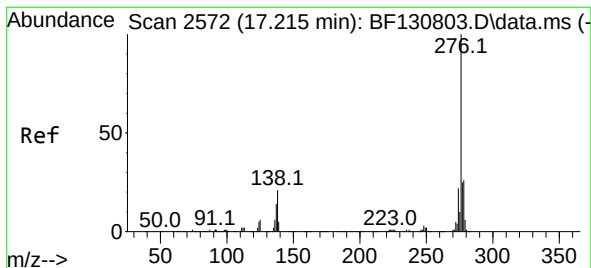
Ion Ratio Lower Upper

264 100

260 24.1 19.9 29.9

265 23.7 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.480 ng

RT: 17.198 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF130879.D

Acq: 31 Oct 2022 14:58

Instrument :

BNA_F

ClientSampleId :

LACY-05

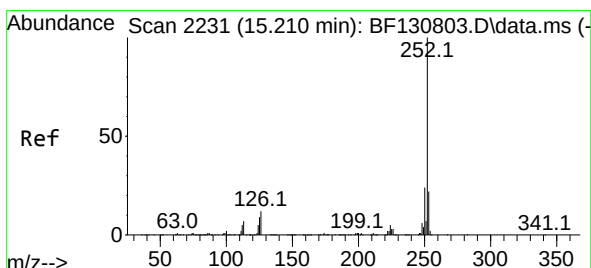
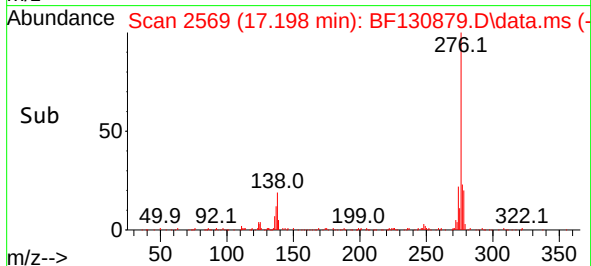
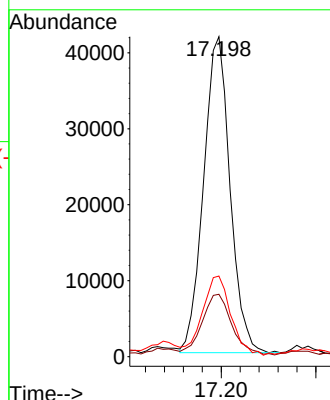
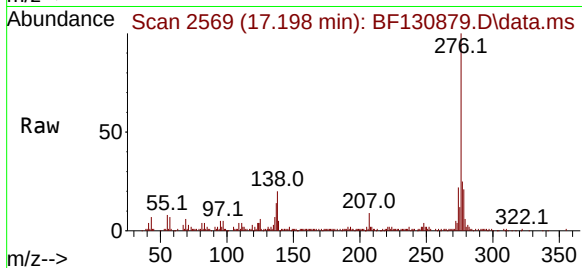
Tgt Ion:276 Resp: 80657

Ion Ratio Lower Upper

276 100

138 21.5 19.1 28.7

277 27.0 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 39.253 ng

RT: 15.198 min Scan# 2229

Delta R.T. -0.000 min

Lab File: BF130879.D

Acq: 31 Oct 2022 14:58

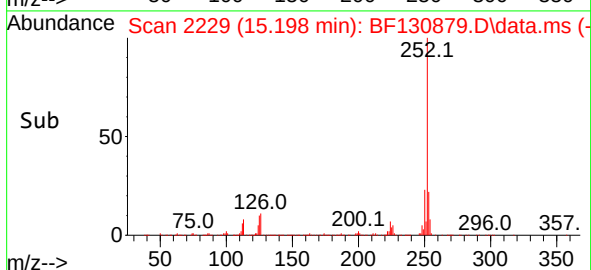
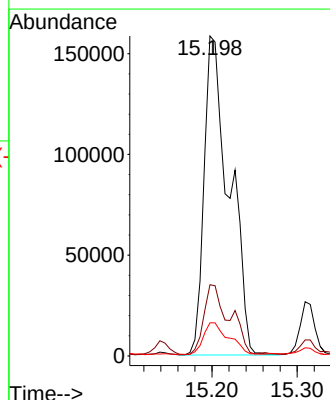
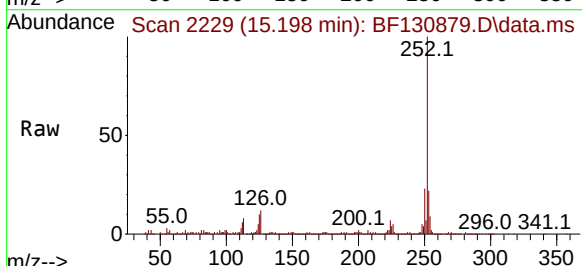
Tgt Ion:252 Resp: 325091

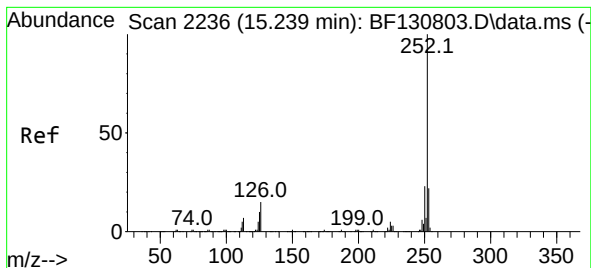
Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 10.4 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 40.283 ng

RT: 15.198 min Scan# 21

Delta R.T. -0.030 min

Lab File: BF130879.D

Acq: 31 Oct 2022 14:58

Instrument :

BNA_F

ClientSampleId :

LACY-05

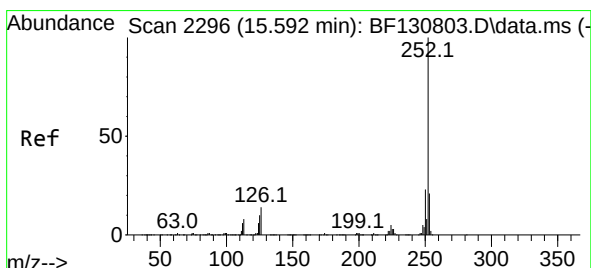
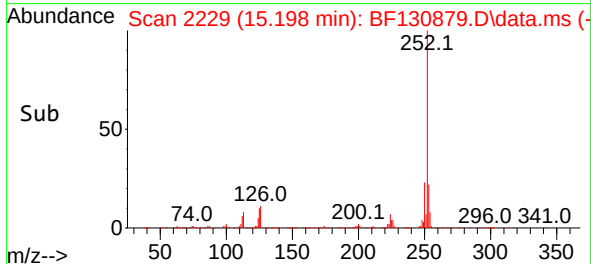
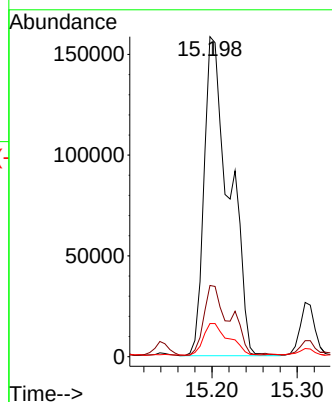
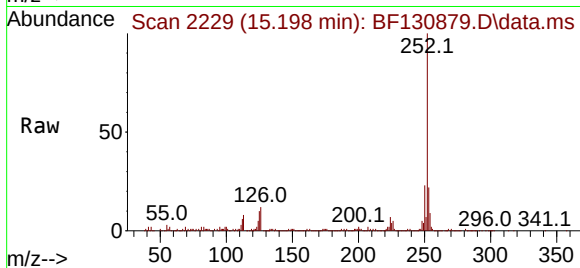
Tgt Ion:252 Resp: 325091

Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 10.4 8.0 12.0



#90

Benzo(a)pyrene

Concen: 22.273 ng

RT: 15.586 min Scan# 2295

Delta R.T. 0.006 min

Lab File: BF130879.D

Acq: 31 Oct 2022 14:58

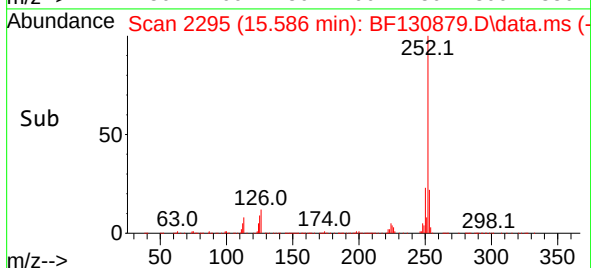
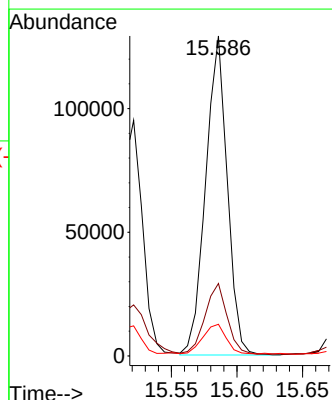
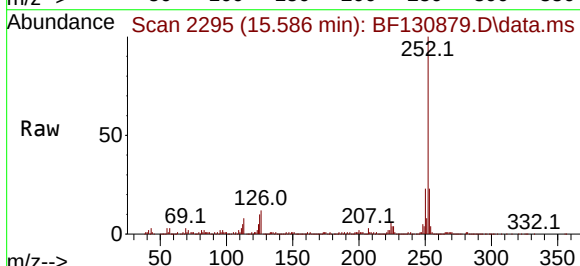
Tgt Ion:252 Resp: 148287

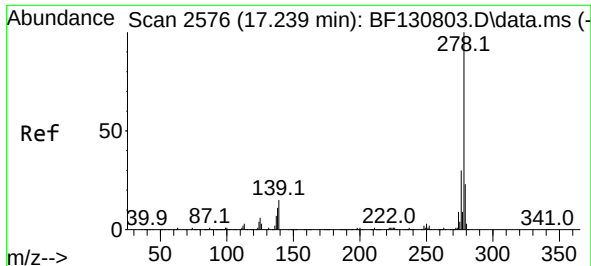
Ion Ratio Lower Upper

252 100

253 22.6 16.8 25.2

125 9.9 8.3 12.5

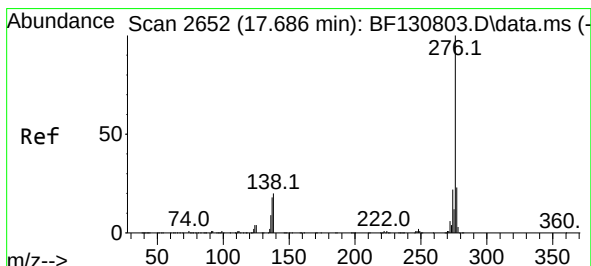
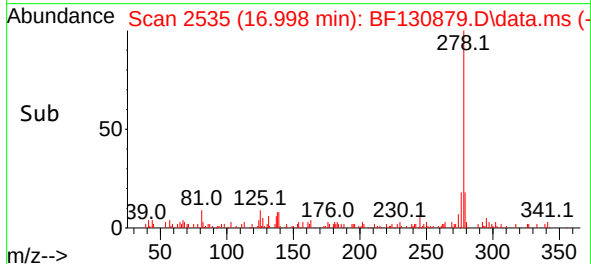
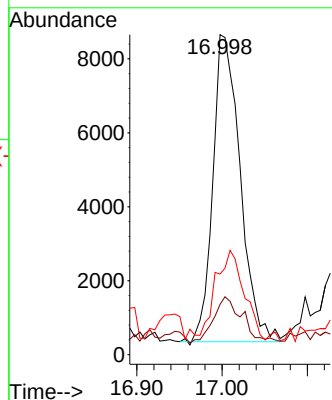
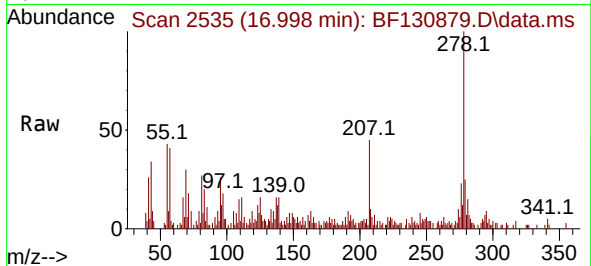




#91
Dibenzo(a,h)anthracene
Concen: 2.671 ng
RT: 16.998 min Scan# 21
Delta R.T. -0.218 min
Lab File: BF130879.D
Acq: 31 Oct 2022 14:58

Instrument :
BNA_F
ClientSampleId :
LACY-05

Tgt Ion:278 Resp: 18524
Ion Ratio Lower Upper
278 100
139 15.7 11.9 17.9
279 25.2 18.6 28.0



#92
Benzo(g,h,i)perylene
Concen: 10.493 ng
RT: 17.662 min Scan# 2648
Delta R.T. -0.006 min
Lab File: BF130879.D
Acq: 31 Oct 2022 14:58

Tgt Ion:276 Resp: 74249
Ion Ratio Lower Upper
276 100
277 22.2 18.8 28.2
138 21.4 16.3 24.5

