

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102922\
 Data File : BF130864.D
 Acq On : 29 Oct 2022 18:48
 Operator : CG\JU
 Sample : N5327-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LACY-05

Quant Time: Oct 30 23:26:13 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

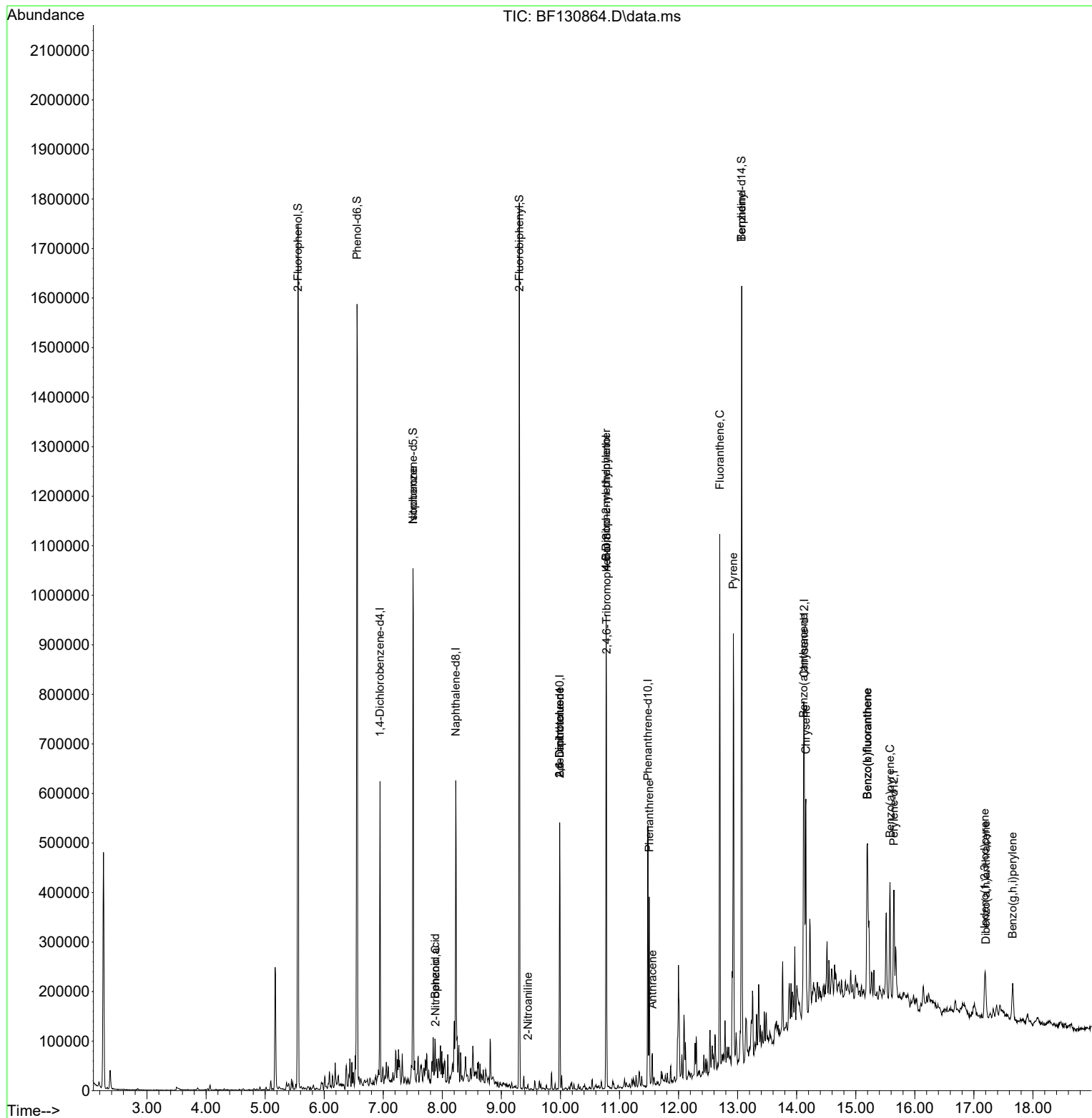
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.945	152	69752	20.000	ng	0.00
21) Naphthalene-d8	8.228	136	223980	20.000	ng	0.00
39) Acenaphthene-d10	9.986	164	97529	20.000	ng	-0.01
64) Phenanthrene-d10	11.480	188	169077	20.000	ng	0.00
76) Chrysene-d12	14.127	240	136035	20.000	ng	# 0.00
86) Perylene-d12	15.645	264	98326	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	431333	107.203	ng	0.00
7) Phenol-d6	6.557	99	522327	99.899	ng	0.00
23) Nitrobenzene-d5	7.504	82	312189	84.046	ng	-0.01
42) 2,4,6-Tribromophenol	10.780	330	93047	113.334	ng	0.00
45) 2-Fluorobiphenyl	9.304	172	484613	75.124	ng	0.00
79) Terphenyl-d14	13.069	244	473244	63.748	ng	0.00
Target Compounds						
25) Isophorone	7.504	82	312143	40.751	ng	# 66
26) 2-Nitrophenol	7.887	139	56	4.114	ng	# 1
32) Benzoic acid	7.881	122	345	7.808	ng	# 1
48) 2-Nitroaniline	9.451	65	56	4.175	ng	# 12
51) 2,6-Dinitrotoluene	9.986	165	12279	11.871	ng	# 15
57) 2,4-Dinitrotoluene	9.986	165	12279	10.788	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.775	198	434	8.441	ng	# 1
67) 4-Bromophenyl-phenylether	10.775	248	6542	3.847	ng	# 1
71) Phenanthrene	11.504	178	118635	13.595	ng	100
72) Anthracene	11.557	178	23367	2.715	ng	96
75) Fluoranthene	12.698	202	381786	41.176	ng	98
77) Benzidine	13.069	184	8252	2.499	ng	# 92
78) Pyrene	12.927	202	349773	30.476	ng	99
81) Benzo(a)anthracene	14.116	228	190268	21.096	ng	96
83) Chrysene	14.157	228	183287	21.068	ng	98
87) Indeno(1,2,3-cd)pyrene	17.186	276	67528	10.342	ng	95
88) Benzo(b)fluoranthene	15.198	252	235053	36.981	ng	95
89) Benzo(k)fluoranthene	15.198	252	235053	37.951	ng	96
90) Benzo(a)pyrene	15.580	252	112768	22.070	ng	97
91) Dibenzo(a,h)anthracene	17.204	278	18803	3.532	ng	# 88
92) Benzo(g,h,i)perylene	17.656	276	63103	11.620	ng	98

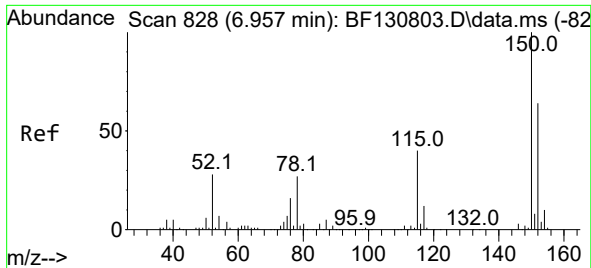
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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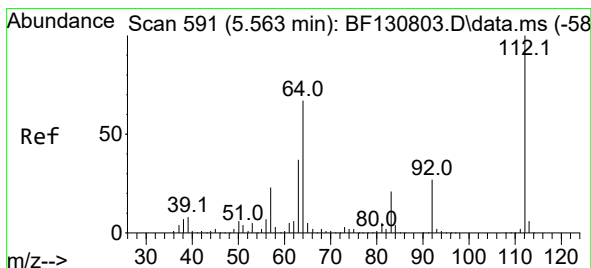
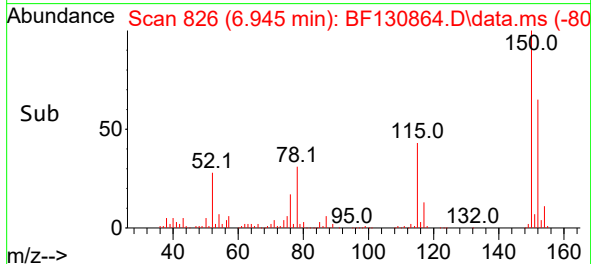
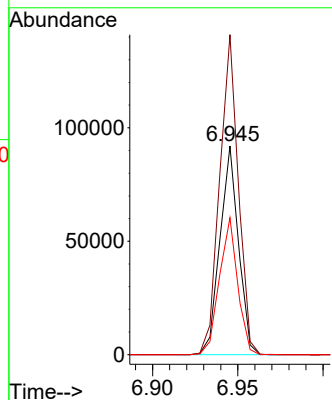
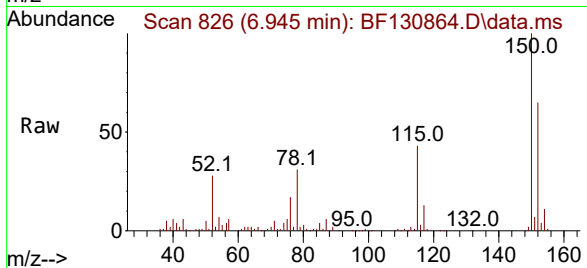




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.945 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF130864.D
Acq: 29 Oct 2022 18:48

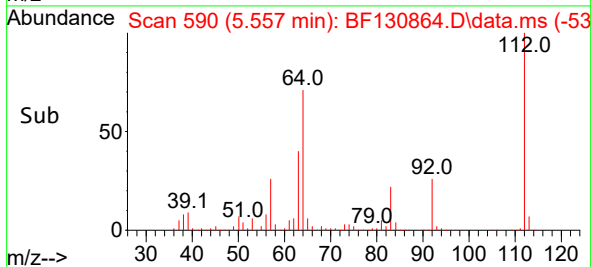
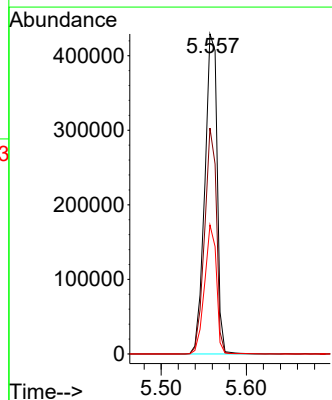
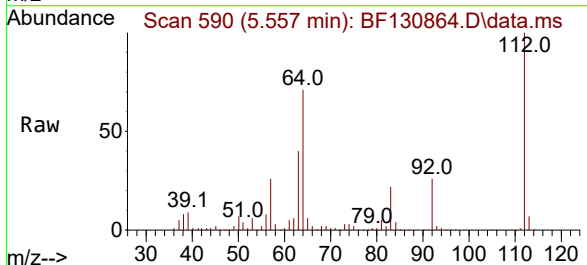
Instrument :
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LACY-05

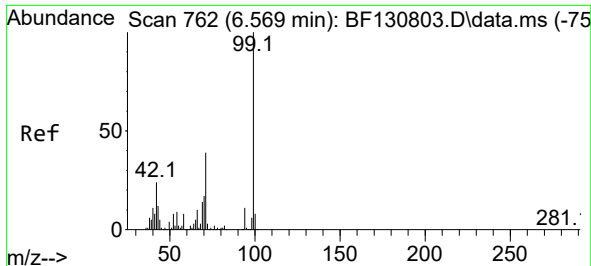
Tgt Ion:152 Resp: 69752
Ion Ratio Lower Upper
152 100
150 153.4 124.1 186.1
115 65.7 50.1 75.1



#5
2-Fluorophenol
Concen: 107.203 ng
RT: 5.557 min Scan# 590
Delta R.T. -0.000 min
Lab File: BF130864.D
Acq: 29 Oct 2022 18:48

Tgt Ion:112 Resp: 431333
Ion Ratio Lower Upper
112 100
64 70.6 53.9 80.9
63 40.3 29.4 44.2

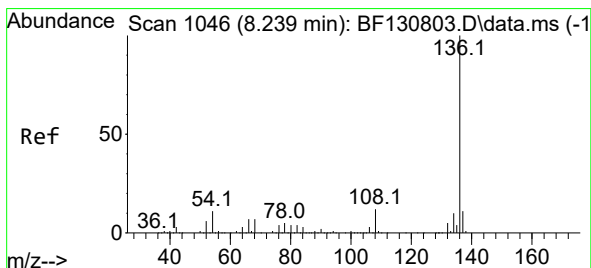
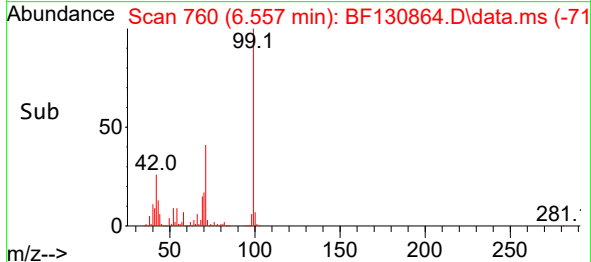
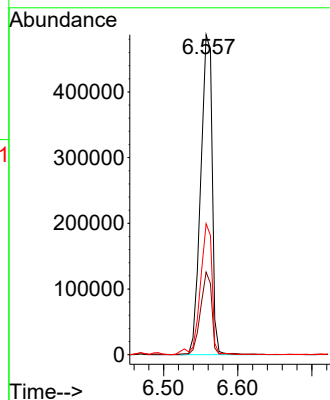
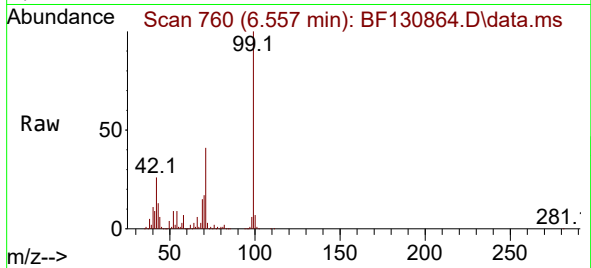




#7
Phenol-d6
Concen: 99.899 ng
RT: 6.557 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF130864.D
Acq: 29 Oct 2022 18:48

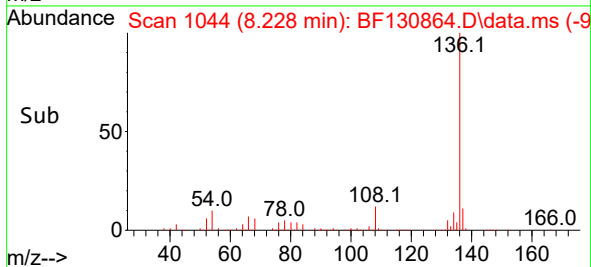
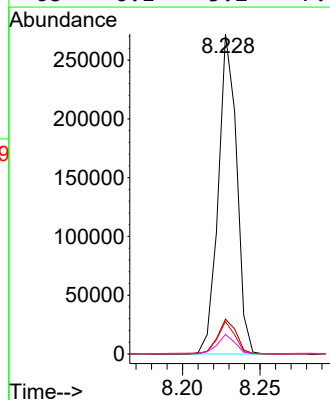
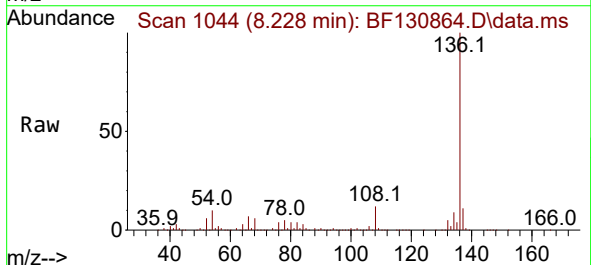
Instrument :
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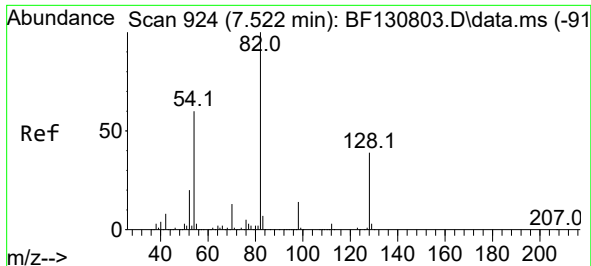
Tgt Ion: 99 Resp: 522327
Ion Ratio Lower Upper
99 100
42 25.8 18.8 28.2
71 40.9 31.4 47.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.228 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BF130864.D
Acq: 29 Oct 2022 18:48

Tgt Ion: 136 Resp: 223980
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 10.2 8.8 13.2
68 6.1 5.2 7.8





#23

Nitrobenzene-d5

Concen: 84.046 ng

RT: 7.504 min Scan# 91

Delta R.T. -0.012 min

Lab File: BF130864.D

Acq: 29 Oct 2022 18:48

Instrument :

BNA_F

ClientSampleId :

LACY-05

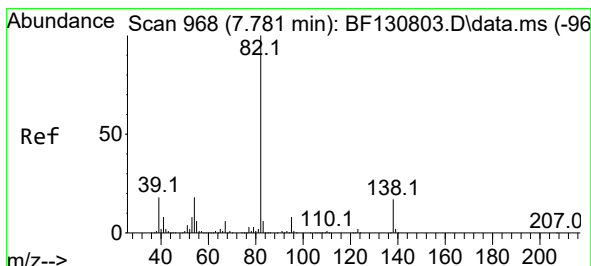
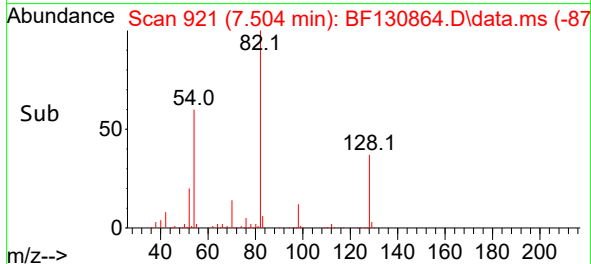
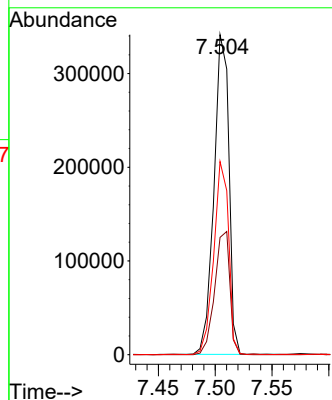
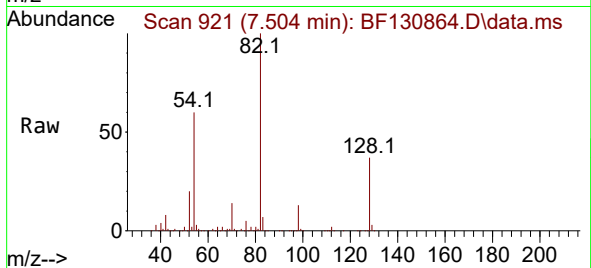
Tgt Ion: 82 Resp: 312189

Ion Ratio Lower Upper

82 100

128 36.7 31.2 46.8

54 60.4 48.0 72.0



#25

Isophorone

Concen: 40.751 ng

RT: 7.504 min Scan# 921

Delta R.T. -0.265 min

Lab File: BF130864.D

Acq: 29 Oct 2022 18:48

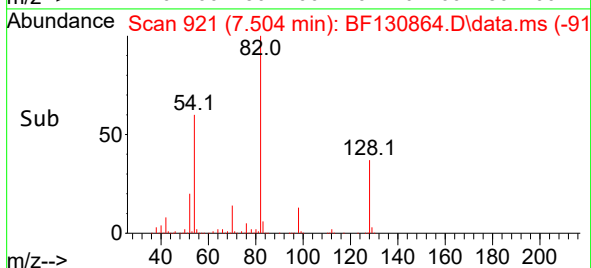
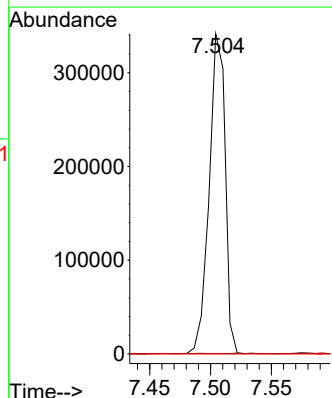
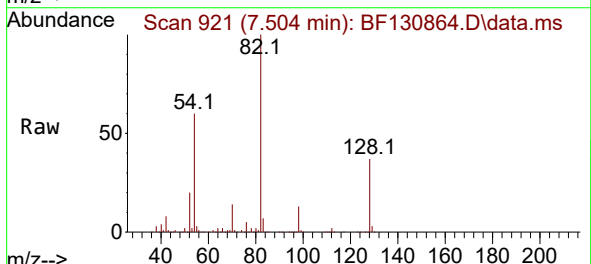
Tgt Ion: 82 Resp: 312143

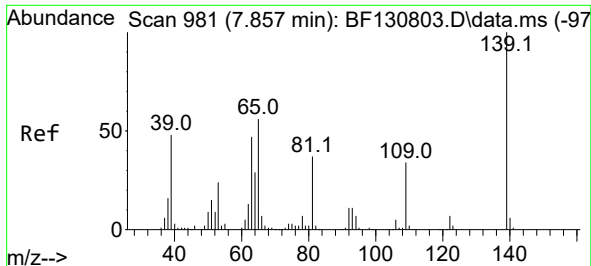
Ion Ratio Lower Upper

82 100

95 0.1 6.2 9.4#

138 0.0 13.8 20.6#

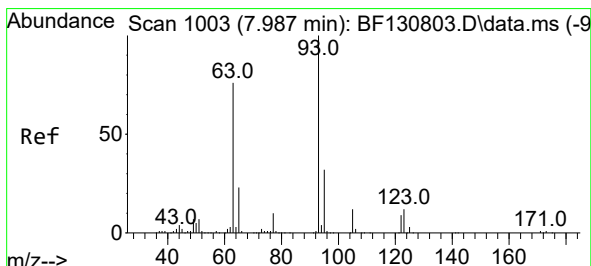
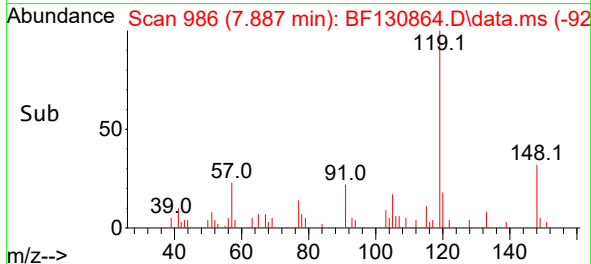
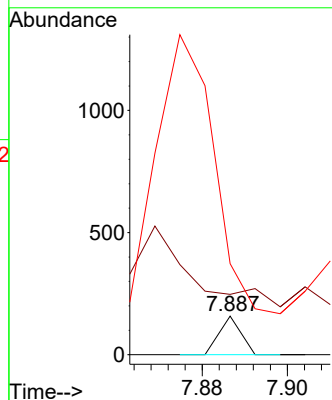
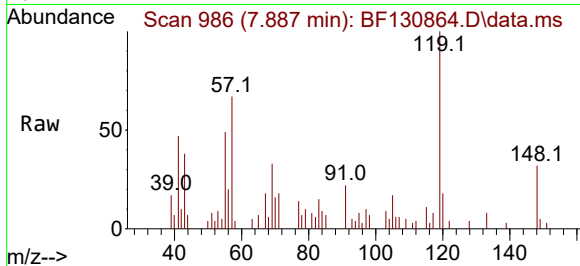




#26
2-Nitrophenol
Concen: 4.114 ng
RT: 7.887 min Scan# 91
Delta R.T. 0.041 min
Lab File: BF130864.D
Acq: 29 Oct 2022 18:48

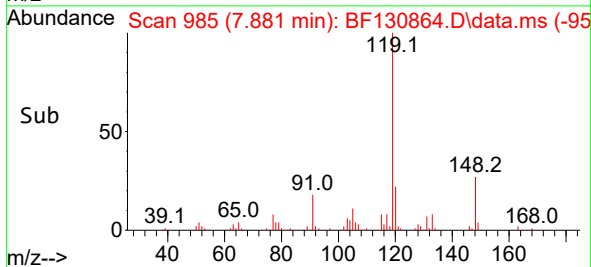
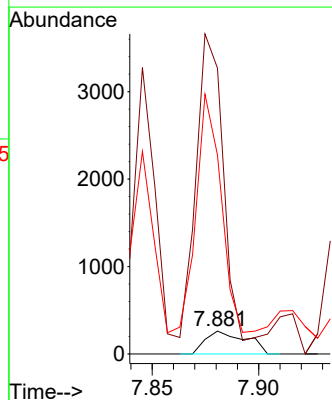
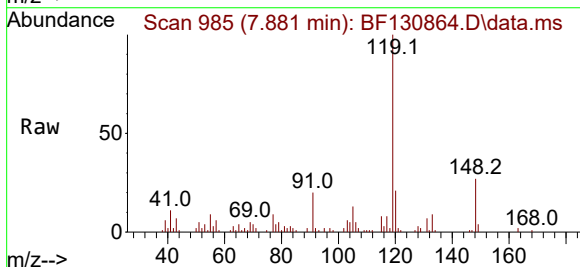
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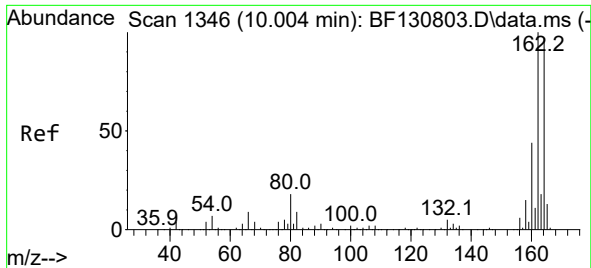
Tgt Ion:139 Resp: 56
Ion Ratio Lower Upper
139 100
109 156.3 27.3 40.9#
65 236.1 44.6 67.0#



#32
Benzoic acid
Concen: 7.808 ng
RT: 7.881 min Scan# 985
Delta R.T. -0.106 min
Lab File: BF130864.D
Acq: 29 Oct 2022 18:48

Tgt Ion:122 Resp: 345
Ion Ratio Lower Upper
122 100
105 1247.7 114.5 154.5#
77 867.9 89.8 129.8#

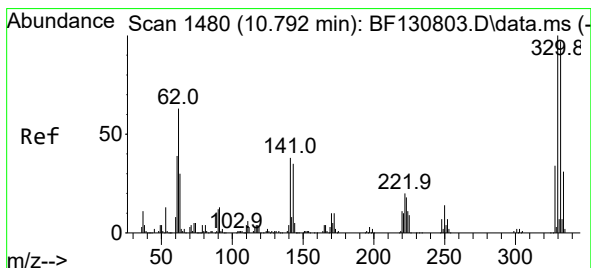
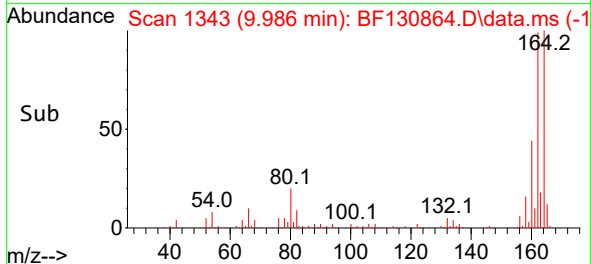
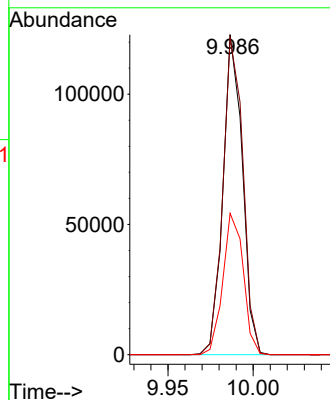
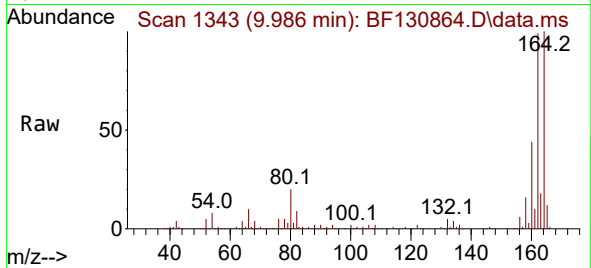




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.986 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF130864.D
Acq: 29 Oct 2022 18:48

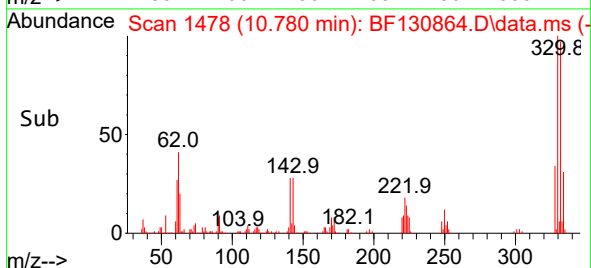
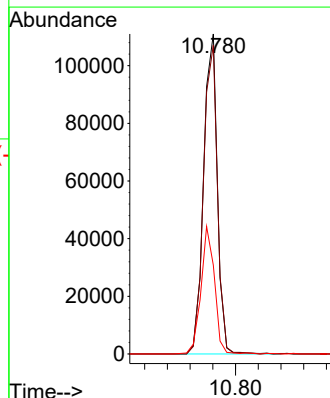
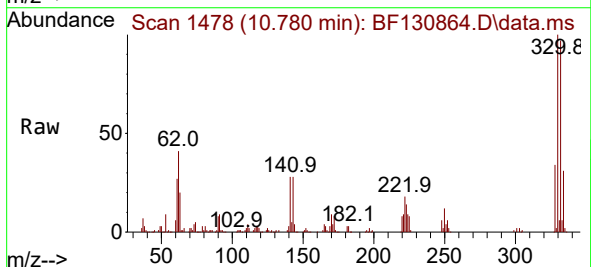
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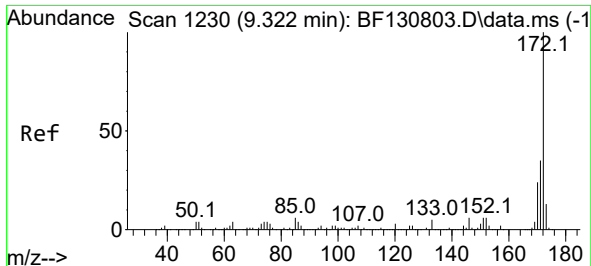
Tgt Ion:164 Resp: 97529
Ion Ratio Lower Upper
164 100
162 99.0 82.2 123.2
160 44.2 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 113.334 ng
RT: 10.780 min Scan# 1478
Delta R.T. -0.006 min
Lab File: BF130864.D
Acq: 29 Oct 2022 18:48

Tgt Ion:330 Resp: 93047
Ion Ratio Lower Upper
330 100
332 97.9 76.2 114.4
141 39.3 31.4 47.0





#45

2-Fluorobiphenyl

Concen: 75.124 ng

RT: 9.304 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF130864.D

Acq: 29 Oct 2022 18:48

Instrument :

BNA_F

ClientSampleId :

LACY-05

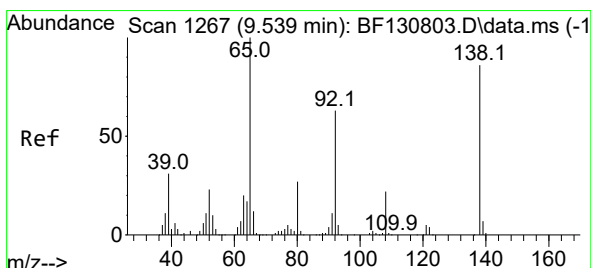
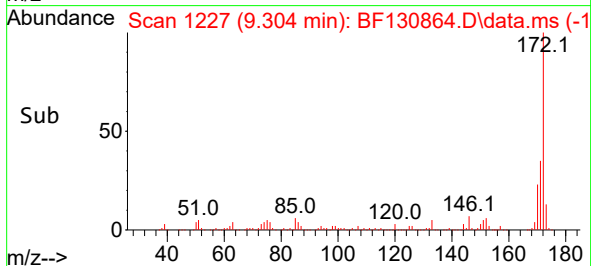
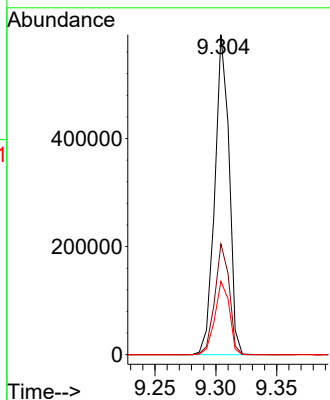
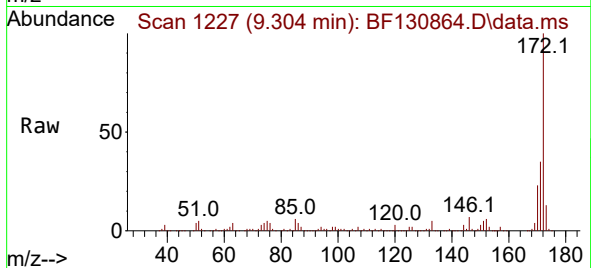
Tgt Ion:172 Resp: 484613

Ion Ratio Lower Upper

172 100

171 34.6 28.1 42.1

170 22.9 19.0 28.4



#48

2-Nitroaniline

Concen: 4.175 ng

RT: 9.451 min Scan# 1252

Delta R.T. -0.082 min

Lab File: BF130864.D

Acq: 29 Oct 2022 18:48

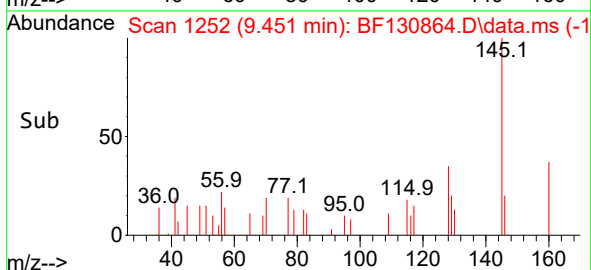
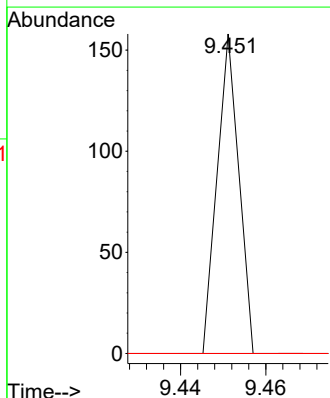
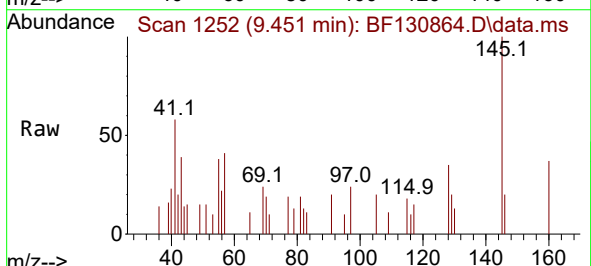
Tgt Ion: 65 Resp: 56

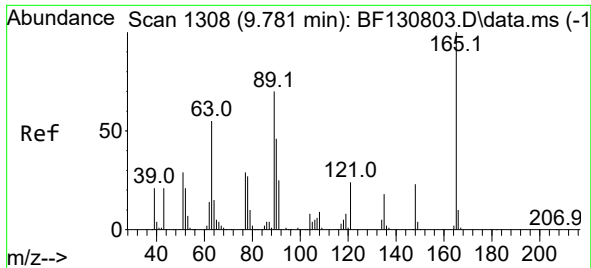
Ion Ratio Lower Upper

65 100

92 0.0 50.1 75.1#

138 0.0 69.2 103.8#





#51

2,6-Dinitrotoluene

Concen: 11.871 ng

RT: 9.986 min Scan# 1343

Delta R.T. 0.212 min

Lab File: BF130864.D

Acq: 29 Oct 2022 18:48

Instrument :

BNA_F

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LACY-05

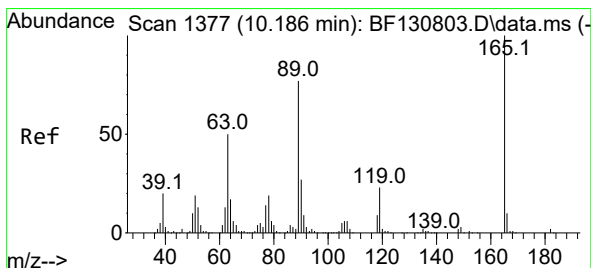
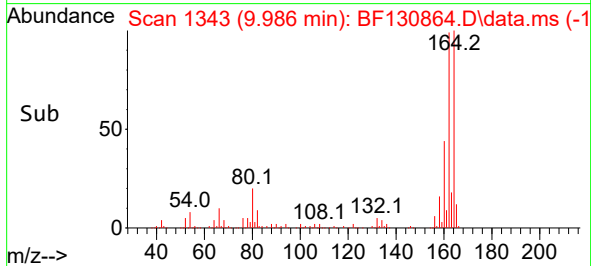
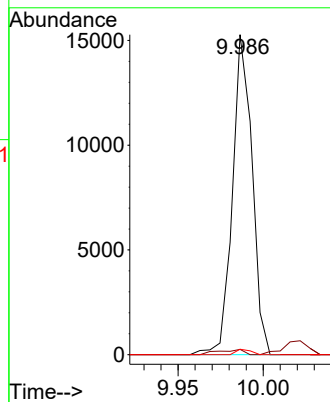
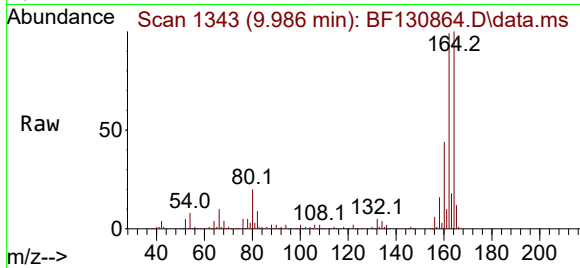
Tgt Ion:165 Resp: 12279

Ion Ratio Lower Upper

165 100

63 1.7 61.8 92.8#

89 1.7 56.2 84.4#



#57

2,4-Dinitrotoluene

Concen: 10.788 ng

RT: 9.986 min Scan# 1343

Delta R.T. -0.194 min

Lab File: BF130864.D

Acq: 29 Oct 2022 18:48

Tgt Ion:165 Resp: 12279

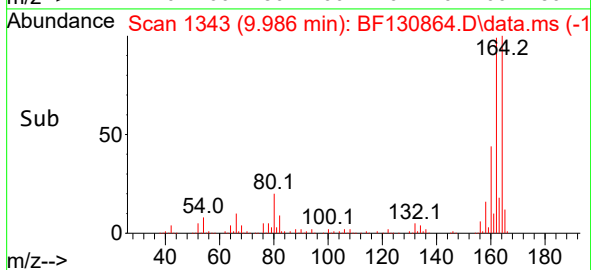
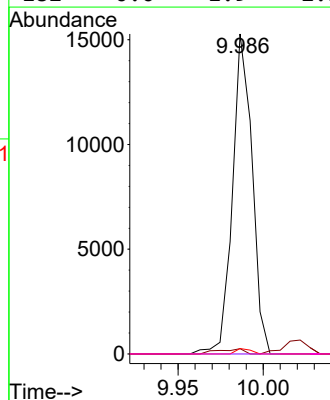
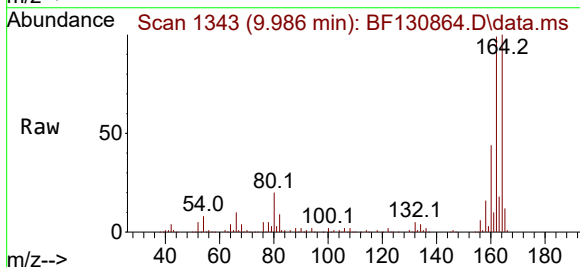
Ion Ratio Lower Upper

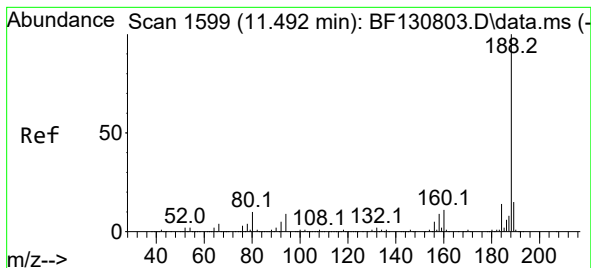
165 100

63 1.7 39.8 59.6#

89 1.7 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: BF130864.D

Acq: 29 Oct 2022 18:48

Instrument :

BNA_F

ClientSampleId :

LACY-05

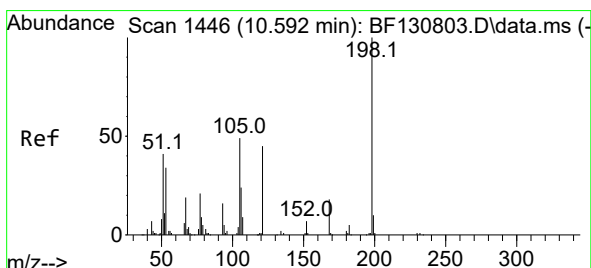
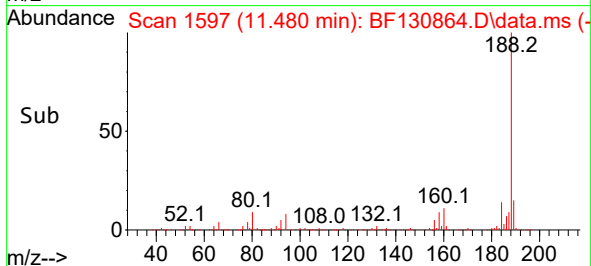
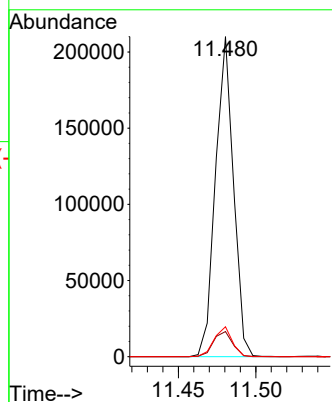
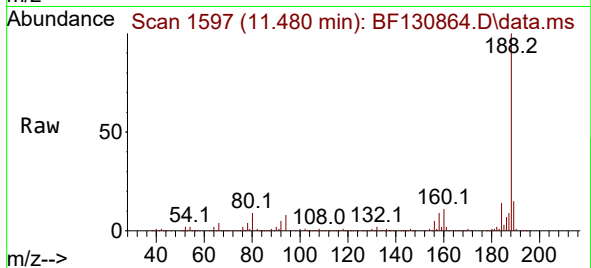
Tgt Ion:188 Resp: 169077

Ion Ratio Lower Upper

188 100

94 7.9 7.4 11.2

80 9.4 8.0 12.0



#65

4,6-Dinitro-2-methylphenol

Concen: 8.441 ng

RT: 10.775 min Scan# 1477

Delta R.T. 0.188 min

Lab File: BF130864.D

Acq: 29 Oct 2022 18:48

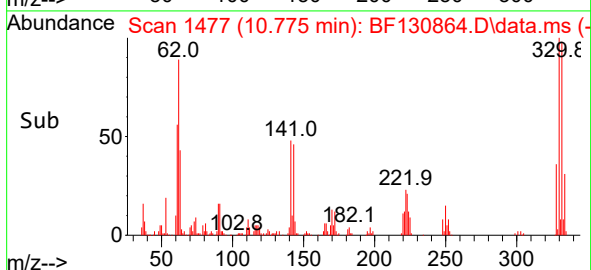
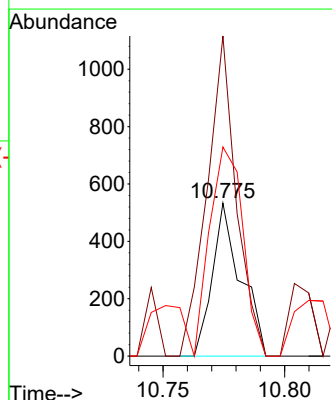
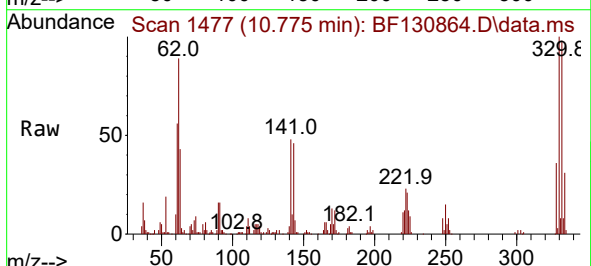
Tgt Ion:198 Resp: 434

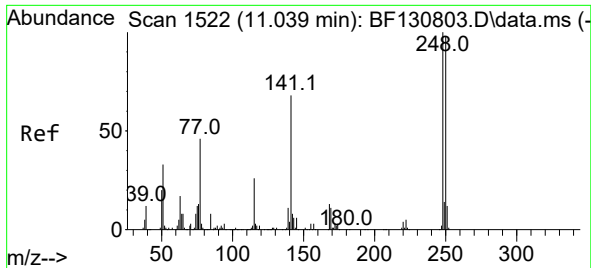
Ion Ratio Lower Upper

198 100

51 209.4 39.0 79.0#

105 136.8 30.6 70.6#

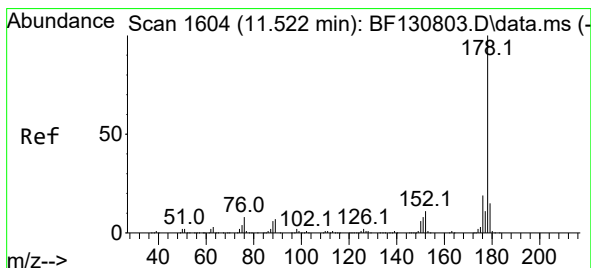
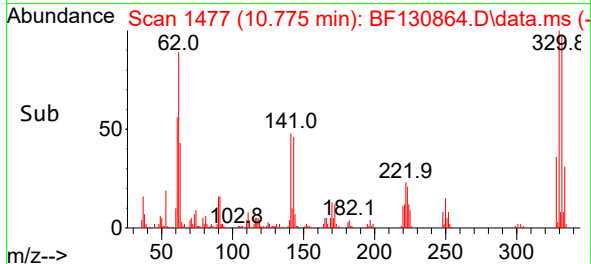
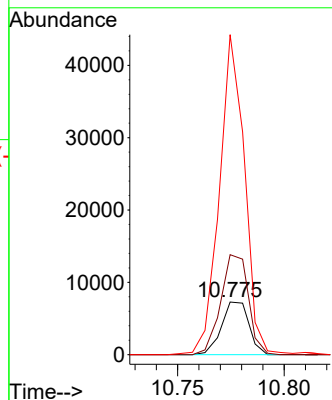
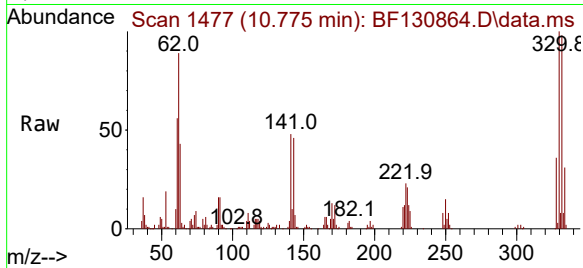




#67
4-Bromophenyl-phenylether
Concen: 3.847 ng
RT: 10.775 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF130864.D
Acq: 29 Oct 2022 18:48

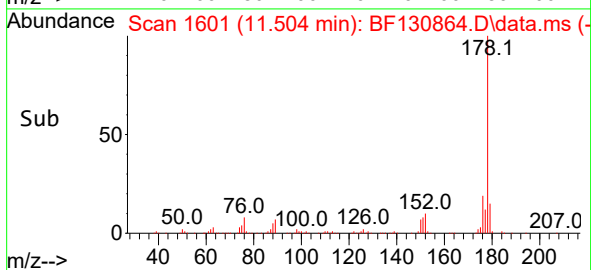
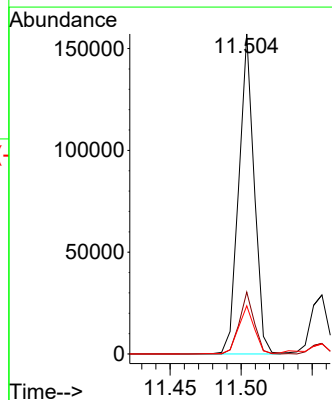
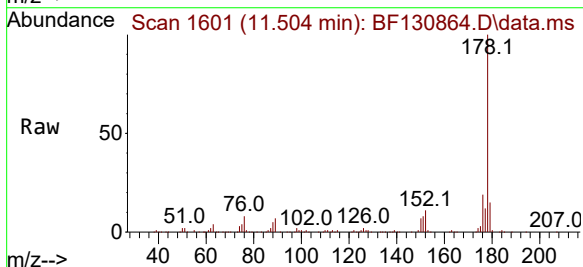
Instrument :
BNA_F
ClientSampleId :
LACY-05

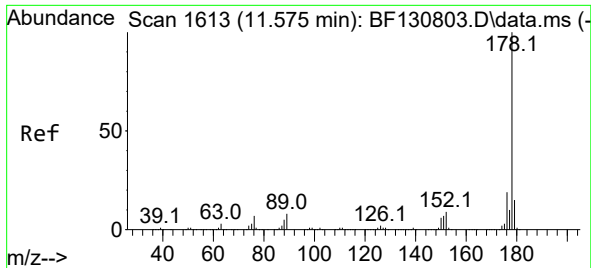
Tgt Ion:248 Resp: 6542
Ion Ratio Lower Upper
248 100
250 189.9 78.6 117.8#
141 607.7 54.2 81.4#



#71
Phenanthrene
Concen: 13.595 ng
RT: 11.504 min Scan# 1601
Delta R.T. -0.006 min
Lab File: BF130864.D
Acq: 29 Oct 2022 18:48

Tgt Ion:178 Resp: 118635
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.1 12.2 18.2

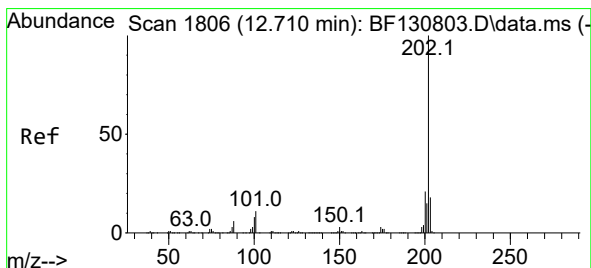
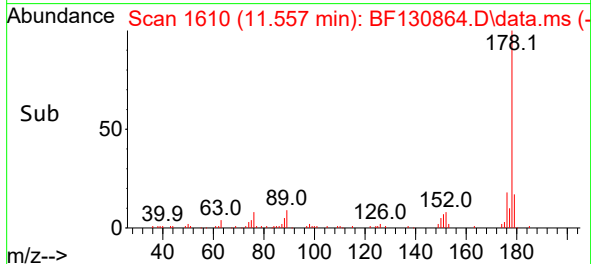
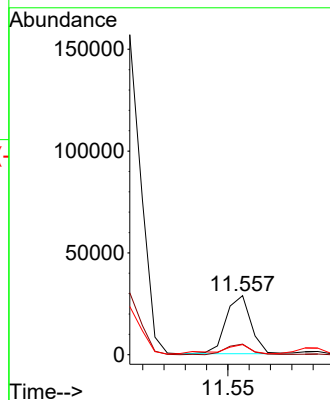
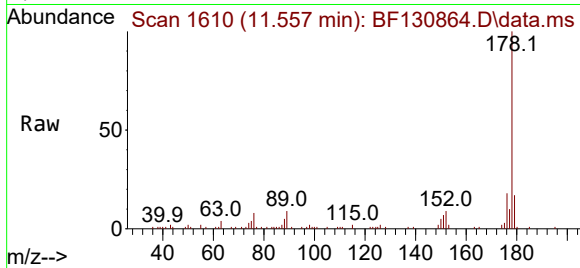




#72
 Anthracene
 Concen: 2.715 ng
 RT: 11.557 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: BF130864.D
 Acq: 29 Oct 2022 18:48

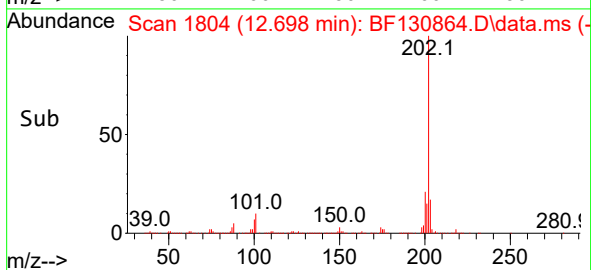
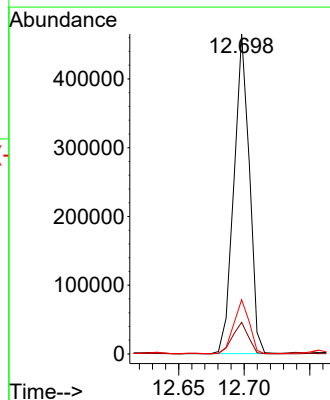
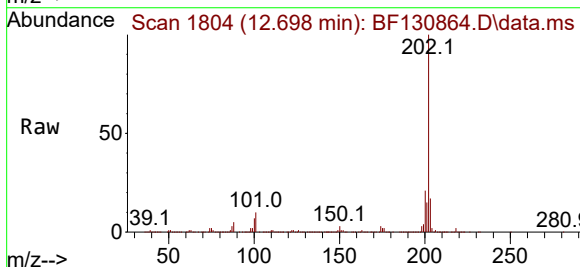
Instrument :
 BNA_F
 ClientSampleId :
 LACY-05

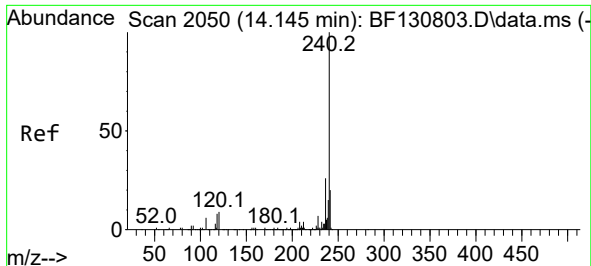
Tgt Ion:178 Resp: 23367
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.4 23.0
 179 17.2 12.2 18.4



#75
 Fluoranthene
 Concen: 41.176 ng
 RT: 12.698 min Scan# 1804
 Delta R.T. -0.006 min
 Lab File: BF130864.D
 Acq: 29 Oct 2022 18:48

Tgt Ion:202 Resp: 381786
 Ion Ratio Lower Upper
 202 100
 101 9.9 0.0 30.9
 203 16.9 0.0 37.7

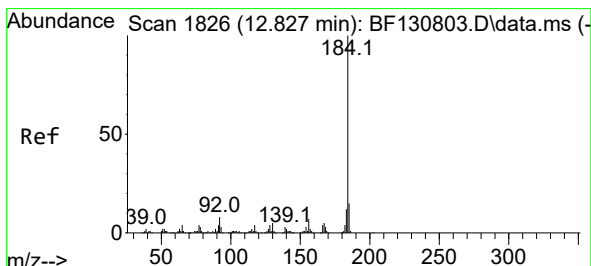
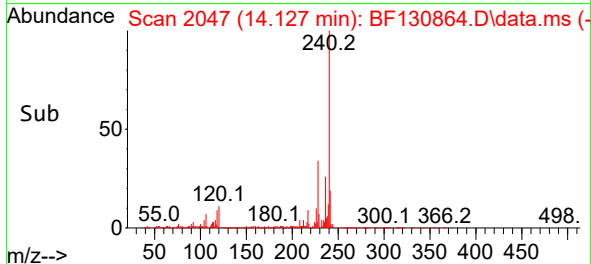
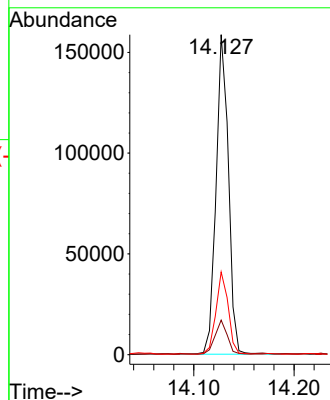
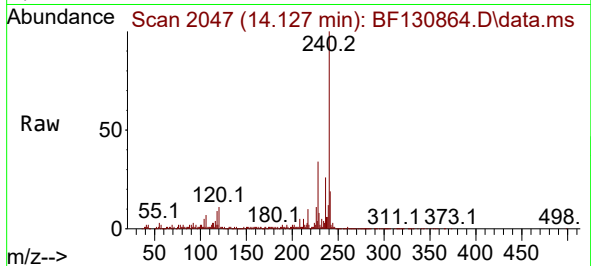




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2050
Delta R.T. -0.006 min
Lab File: BF130864.D
Acq: 29 Oct 2022 18:48

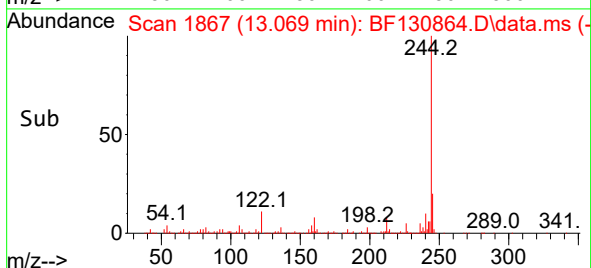
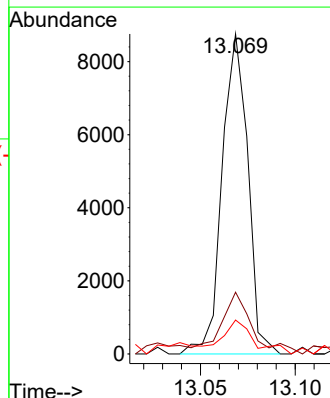
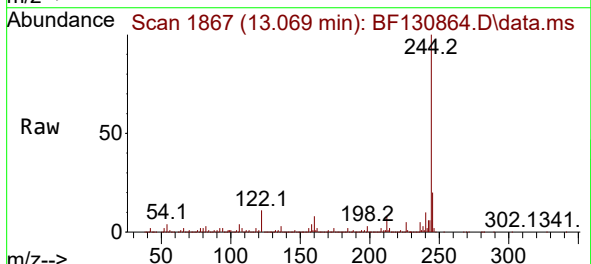
Instrument :
BNA_F
ClientSampleId :
LACY-05

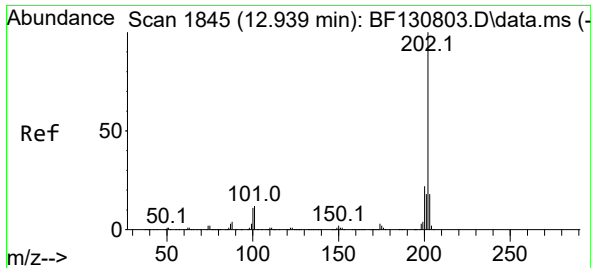
Tgt Ion:240 Resp: 136035
Ion Ratio Lower Upper
240 100
120 10.8 7.0 10.4#
236 25.8 20.5 30.7



#77
Benzidine
Concen: 2.499 ng
RT: 13.069 min Scan# 1867
Delta R.T. 0.247 min
Lab File: BF130864.D
Acq: 29 Oct 2022 18:48

Tgt Ion:184 Resp: 8252
Ion Ratio Lower Upper
184 100
185 19.3 11.8 17.8#
183 10.6 9.7 14.5

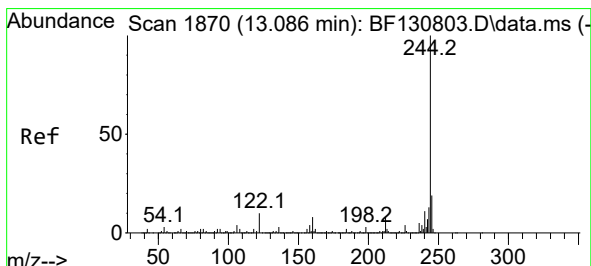
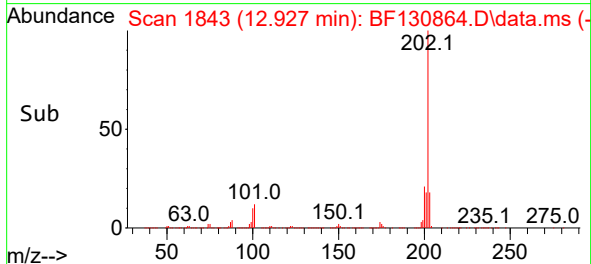
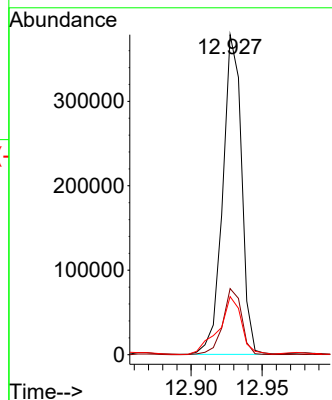
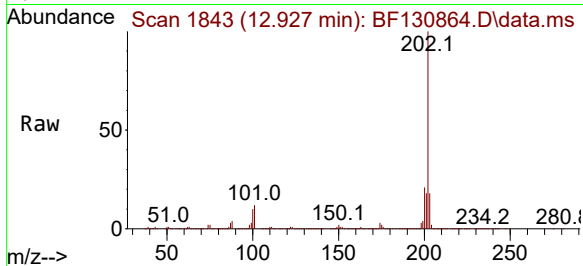




#78
Pyrene
Concen: 30.476 ng
RT: 12.927 min Scan# 1843
Delta R.T. -0.006 min
Lab File: BF130864.D
Acq: 29 Oct 2022 18:48

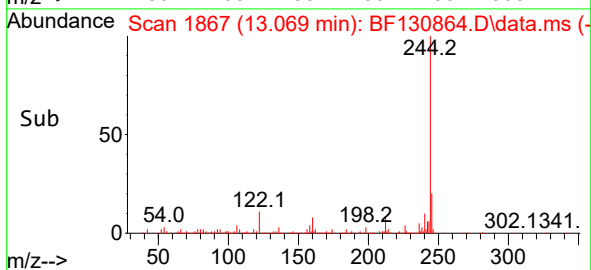
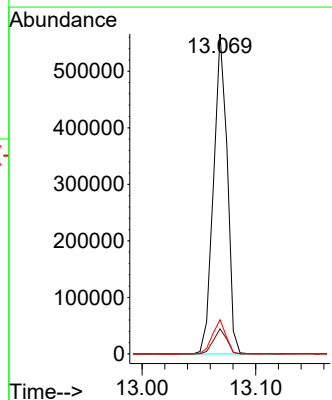
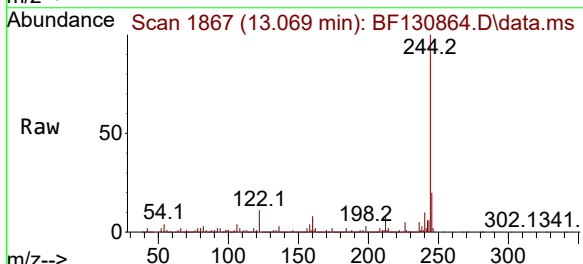
Instrument :
BNA_F
ClientSampleId :
LACY-05

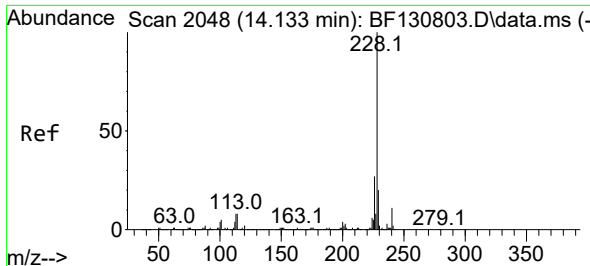
Tgt Ion:202 Resp: 349773
Ion Ratio Lower Upper
202 100
200 20.7 17.2 25.8
203 18.1 14.5 21.7



#79
Terphenyl-d14
Concen: 63.748 ng
RT: 13.069 min Scan# 1867
Delta R.T. -0.006 min
Lab File: BF130864.D
Acq: 29 Oct 2022 18:48

Tgt Ion:244 Resp: 473244
Ion Ratio Lower Upper
244 100
212 7.8 6.2 9.2
122 10.7 7.9 11.9

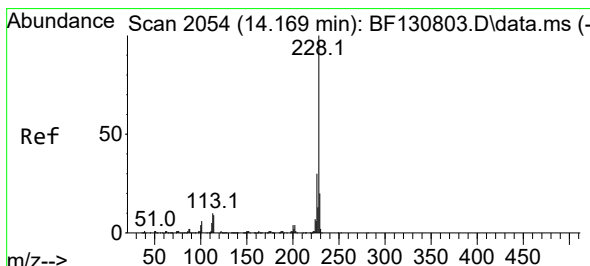
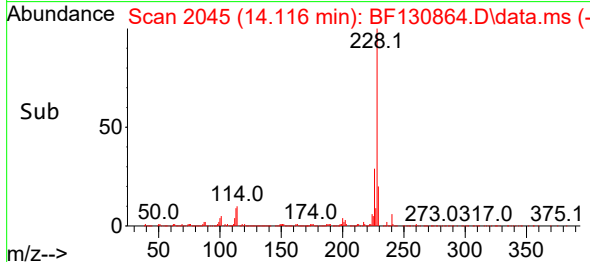
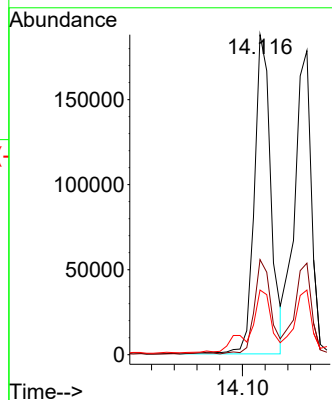
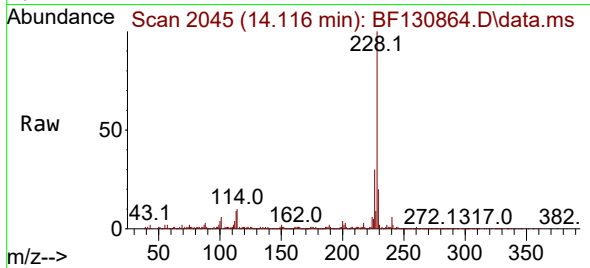




#81
Benzo(a)anthracene
Concen: 21.096 ng
RT: 14.116 min Scan# 2045
Delta R.T. -0.006 min
Lab File: BF130864.D
Acq: 29 Oct 2022 18:48

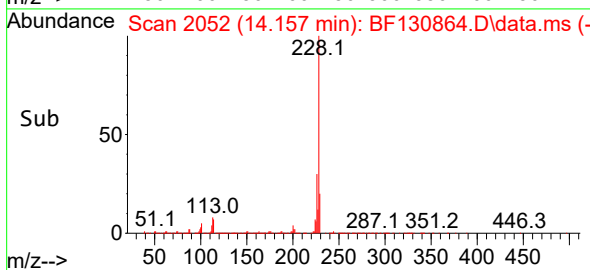
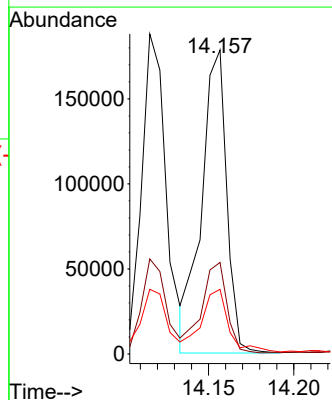
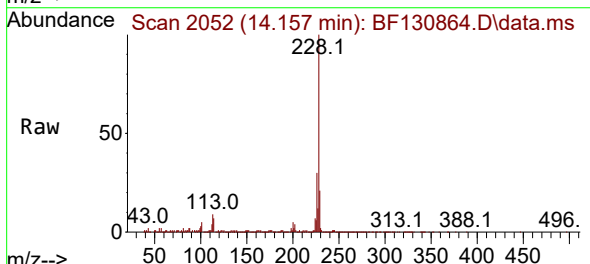
Instrument :
BNA_F
ClientSampleId :
LACY-05

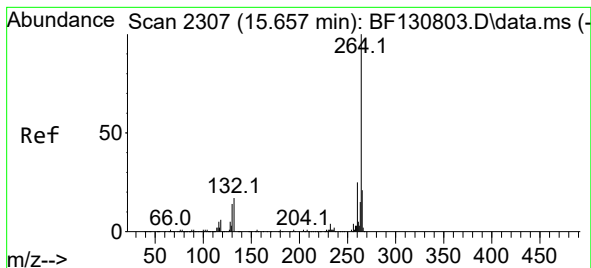
Tgt Ion:228 Resp: 190268
Ion Ratio Lower Upper
228 100
226 29.7 21.4 32.2
229 20.2 15.8 23.6



#83
Chrysene
Concen: 21.068 ng
RT: 14.157 min Scan# 2052
Delta R.T. -0.000 min
Lab File: BF130864.D
Acq: 29 Oct 2022 18:48

Tgt Ion:228 Resp: 183287
Ion Ratio Lower Upper
228 100
226 30.1 23.9 35.9
229 21.2 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.645 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF130864.D

Acq: 29 Oct 2022 18:48

Instrument :

BNA_F

ClientSampleId :

LACY-05

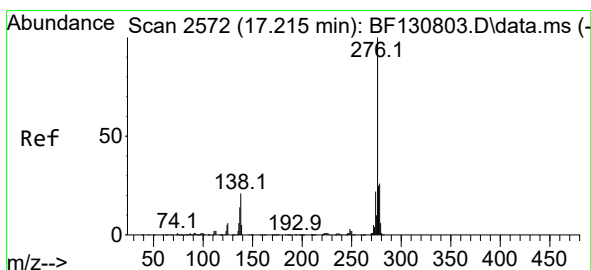
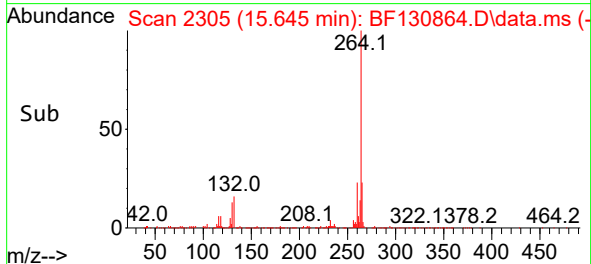
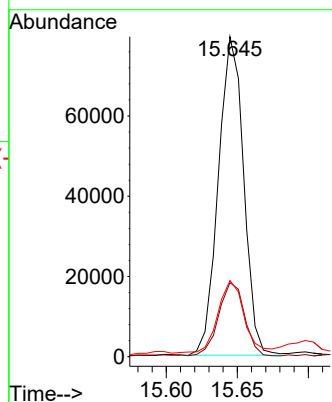
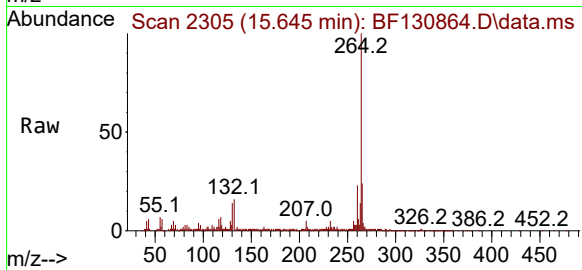
Tgt Ion:264 Resp: 98326

Ion Ratio Lower Upper

264 100

260 23.2 19.9 29.9

265 23.8 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 10.342 ng

RT: 17.186 min Scan# 2567

Delta R.T. -0.006 min

Lab File: BF130864.D

Acq: 29 Oct 2022 18:48

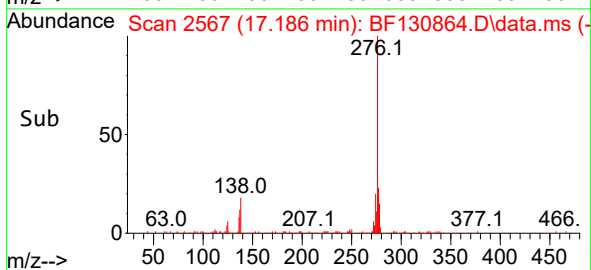
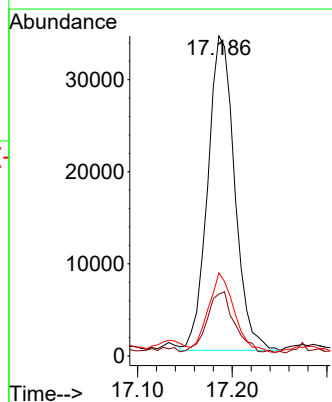
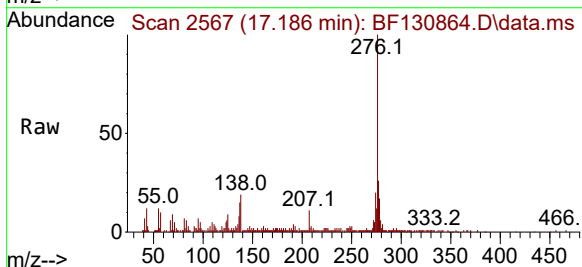
Tgt Ion:276 Resp: 67528

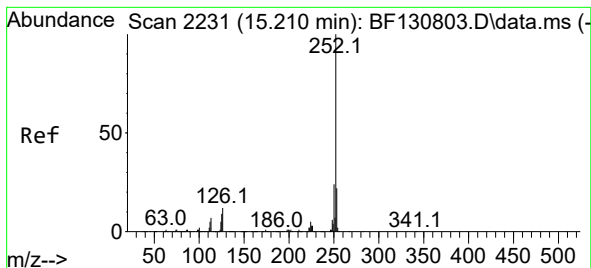
Ion Ratio Lower Upper

276 100

138 19.2 19.1 28.7

277 24.5 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 36.981 ng

RT: 15.198 min Scan# 2229

Delta R.T. -0.000 min

Lab File: BF130864.D

Acq: 29 Oct 2022 18:48

Instrument :

BNA_F

ClientSampleId :

LACY-05

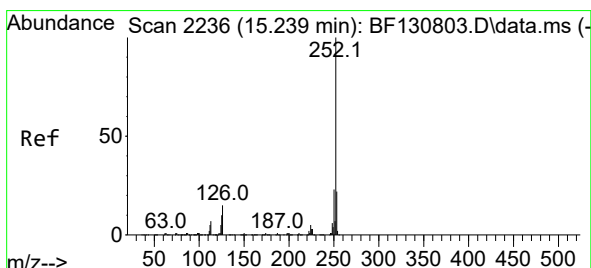
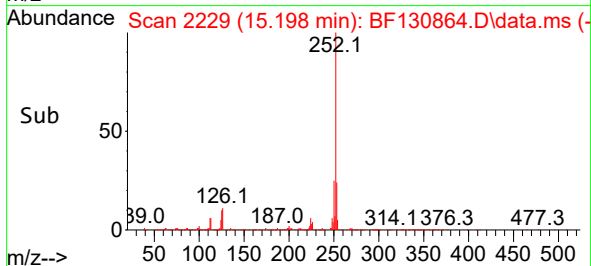
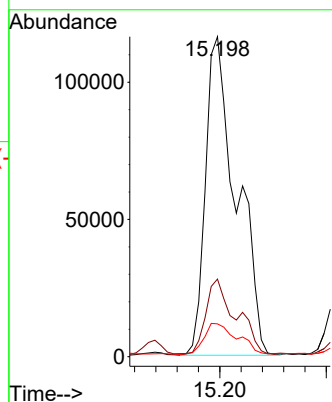
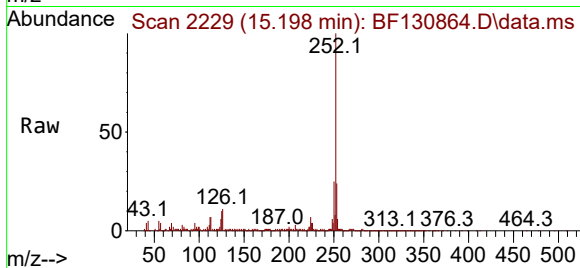
Tgt Ion:252 Resp: 235053

Ion Ratio Lower Upper

252 100

253 24.2 17.5 26.3

125 10.2 7.0 10.4



#89

Benzo(k)fluoranthene

Concen: 37.951 ng

RT: 15.198 min Scan# 2229

Delta R.T. -0.029 min

Lab File: BF130864.D

Acq: 29 Oct 2022 18:48

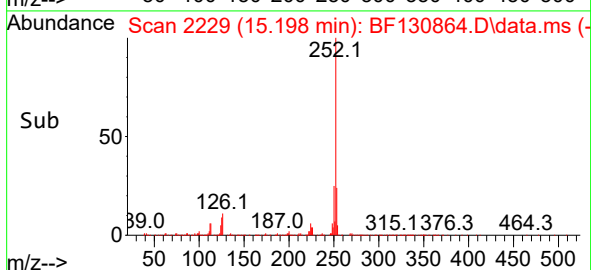
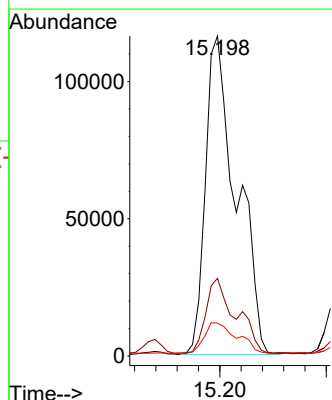
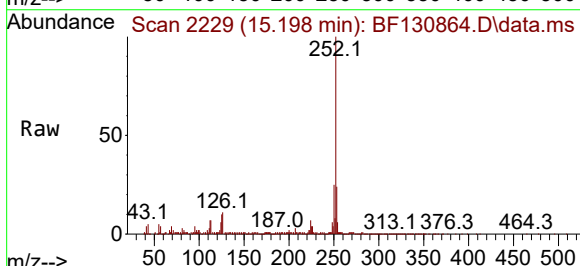
Tgt Ion:252 Resp: 235053

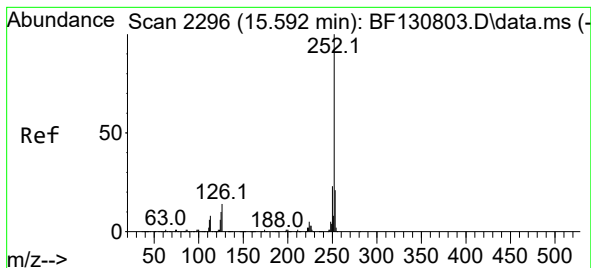
Ion Ratio Lower Upper

252 100

253 24.2 17.5 26.3

125 10.2 8.0 12.0





#90

Benzo(a)pyrene

Concen: 22.070 ng

RT: 15.580 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF130864.D

Acq: 29 Oct 2022 18:48

Instrument :

BNA_F

ClientSampleId :

LACY-05

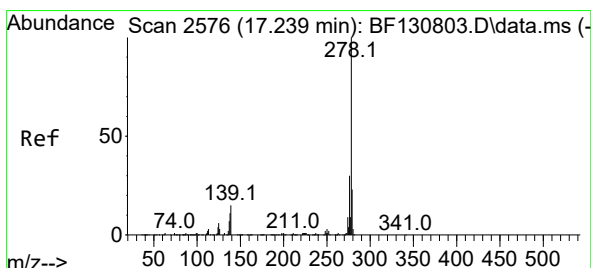
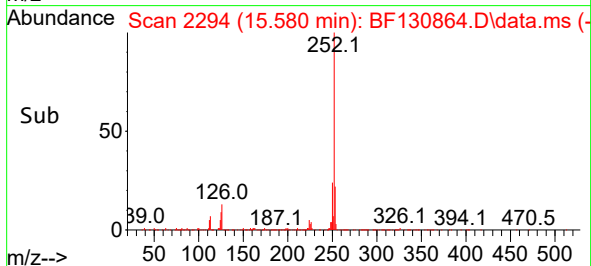
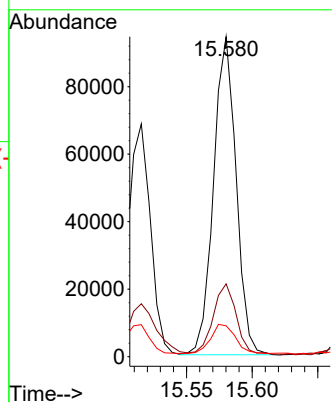
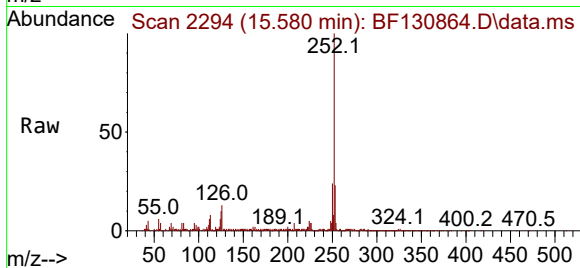
Tgt Ion:252 Resp: 112768

Ion Ratio Lower Upper

252 100

253 22.8 16.8 25.2

125 9.7 8.3 12.5



#91

Dibenzo(a,h)anthracene

Concen: 3.532 ng

RT: 17.204 min Scan# 2570

Delta R.T. -0.012 min

Lab File: BF130864.D

Acq: 29 Oct 2022 18:48

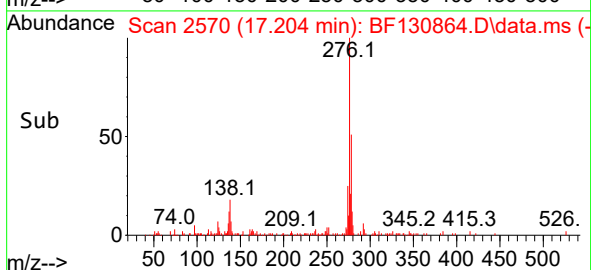
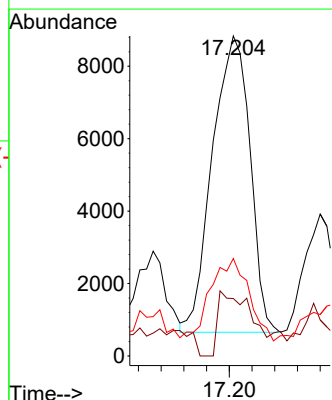
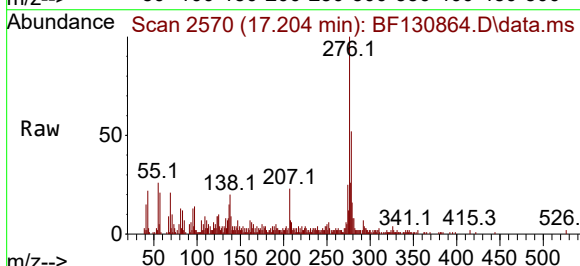
Tgt Ion:278 Resp: 18803

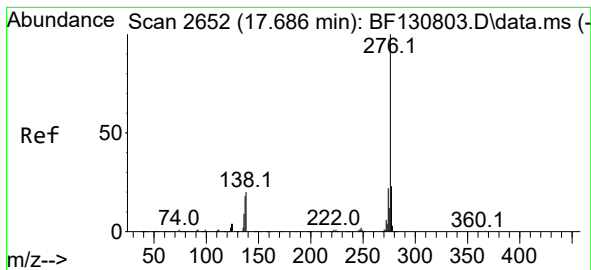
Ion Ratio Lower Upper

278 100

139 18.0 11.9 17.9#

279 30.4 18.6 28.0#





#92

Benzo(g,h,i)perylene

Concen: 11.620 ng

RT: 17.656 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF130864.D

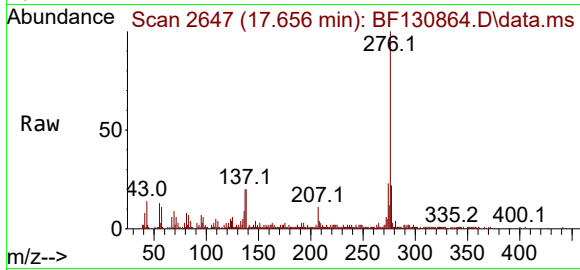
Acq: 29 Oct 2022 18:48

Instrument :

BNA_F

ClientSampleId :

LACY-05



Tgt Ion:276 Resp: 63103

Ion Ratio Lower Upper

276 100

277 22.2 18.8 28.2

138 19.9 16.3 24.5

