

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

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 10/31/2022
 Supervised By : Jagrut Upadhyay 11/01/2022

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						Qvalue
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
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	183199m	28.823	ng	
89) Benzo(k)fluoranthene	15.221	252	53622m	8.658	ng	
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

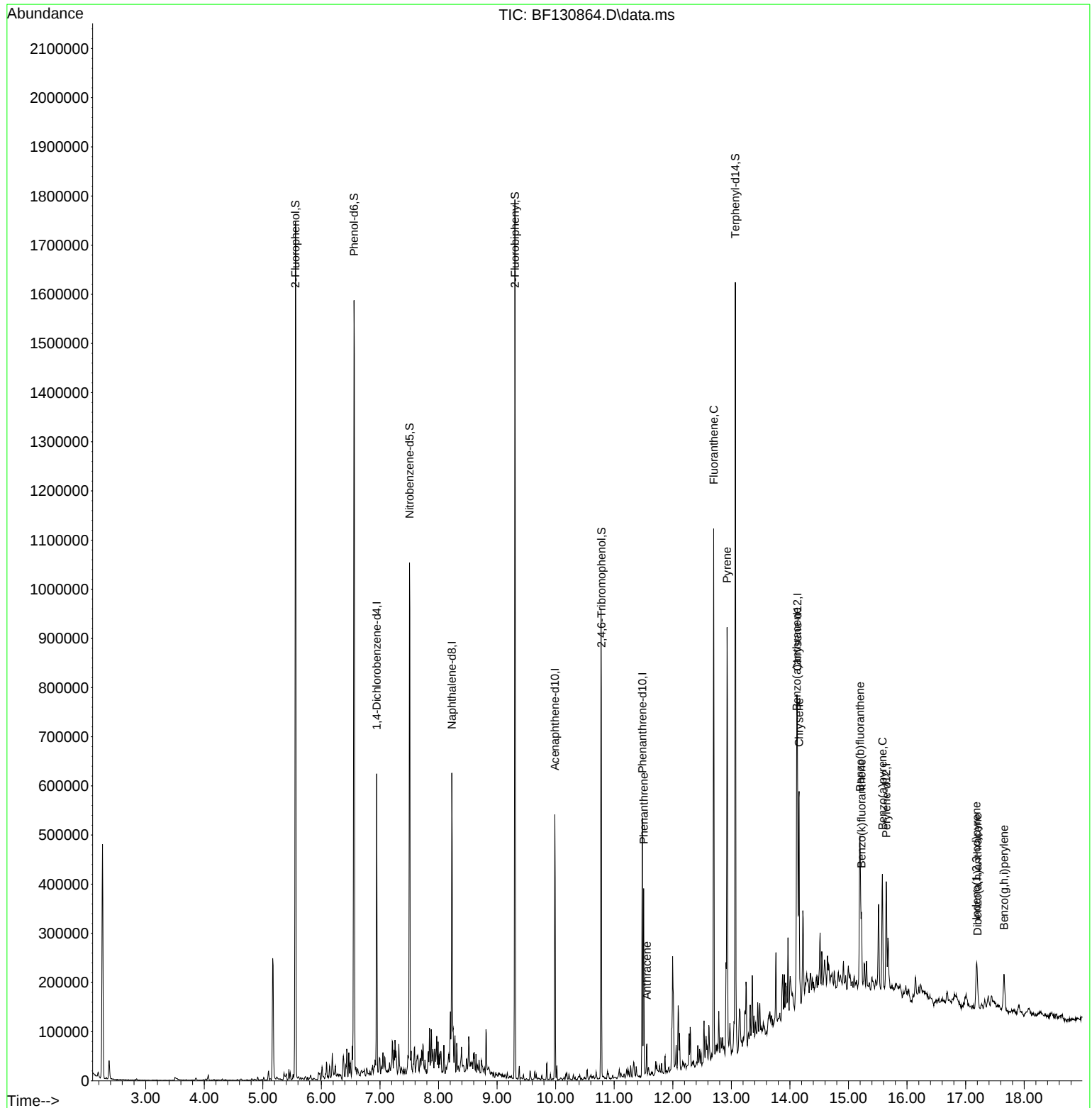
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102922\
Data File : BF130864.D
Acq On : 29 Oct 2022 18:48
Operator : CG\JU
Sample : N5327-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

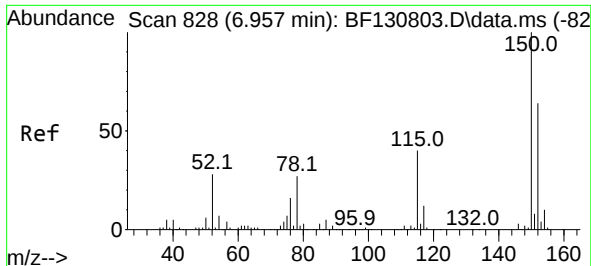
Instrument :
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Quant Time: Oct 30 23:26:13 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
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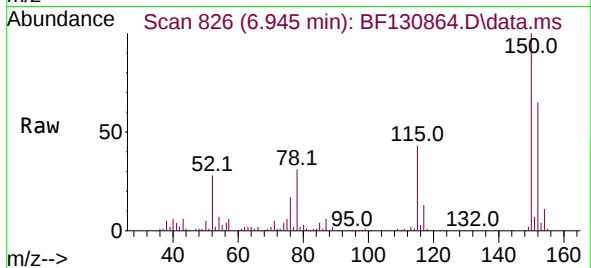
Reviewed By : Christian Giraldo 10/31/2022
Supervised By : Jagrut Upadhyay 11/01/2022





#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

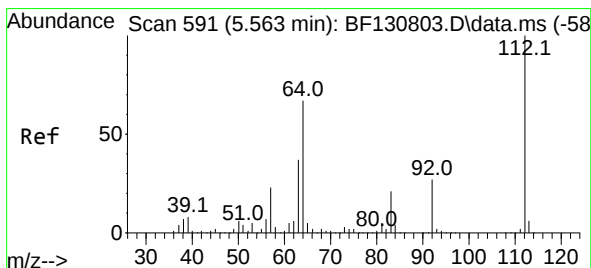
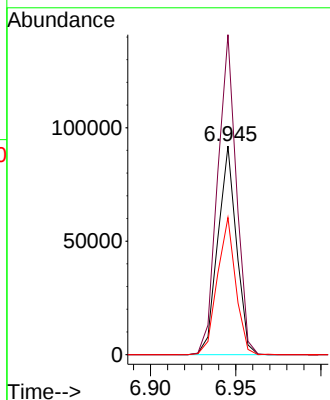
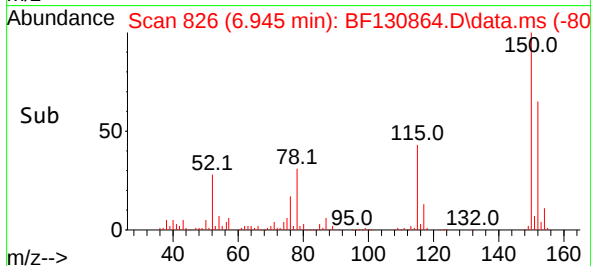
Instrument :
BNA_F
ClientSampleId :
LACY-05



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

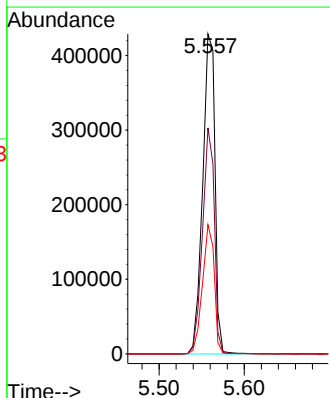
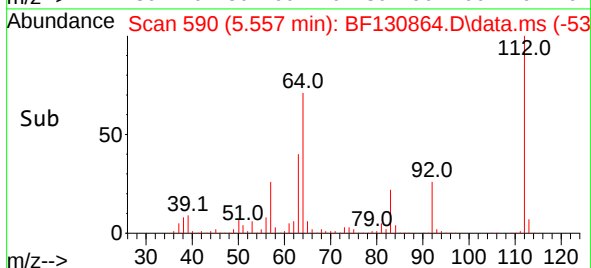
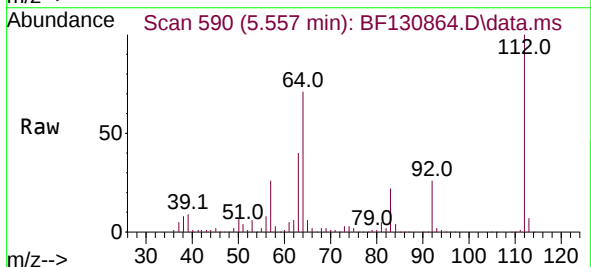
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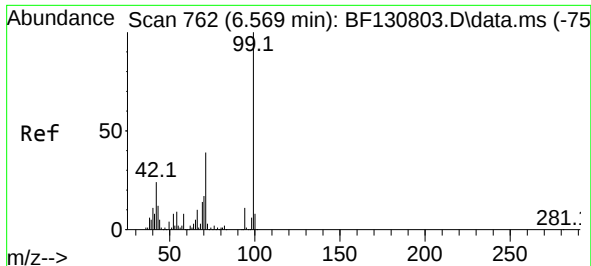
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#5
2-Fluorophenol
Concen: 107.203 ng
RT: 5.557 min Scan# 590
Delta R.T. -0.000 min
Lab File: BF130864.D
Acq: 29 Oct 2022 18:48

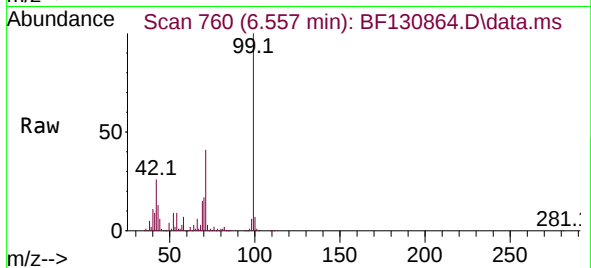
Tgt Ion:112 Resp: 431333
Ion Ratio Lower Upper
112 100
64 70.6 53.9 80.9
63 40.3 29.4 44.2





#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

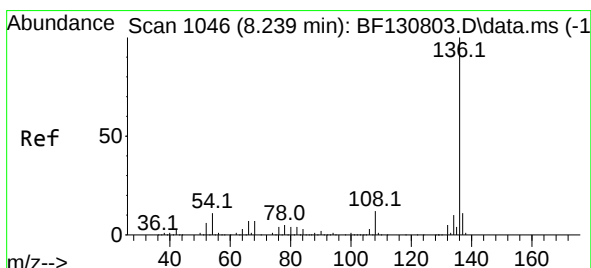
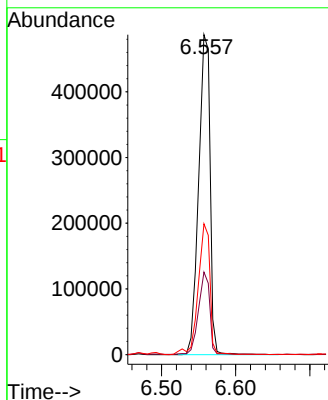
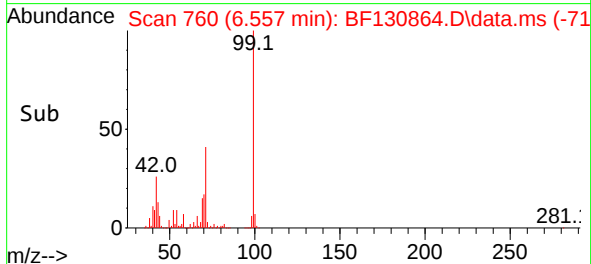
Instrument :
BNA_F
ClientSampleId :
LACY-05



Tgt Ion: 99 Resp: 52232
Ion Ratio Lower Upper
99 100
42 25.8 18.8 28.2
71 40.9 31.4 47.0

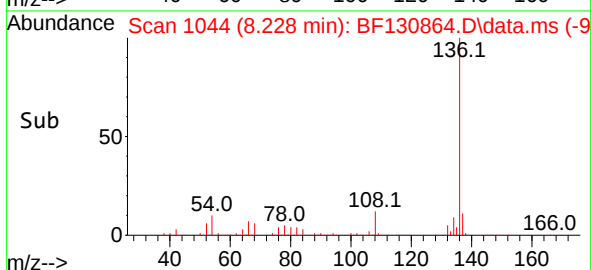
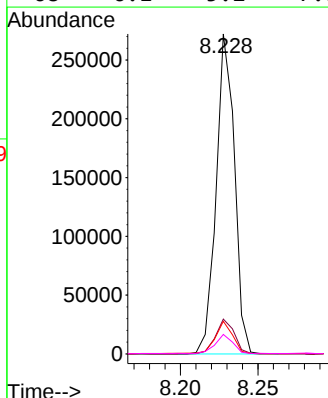
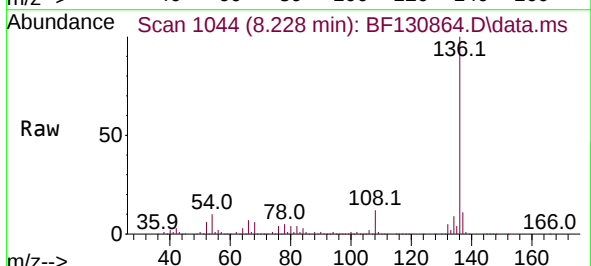
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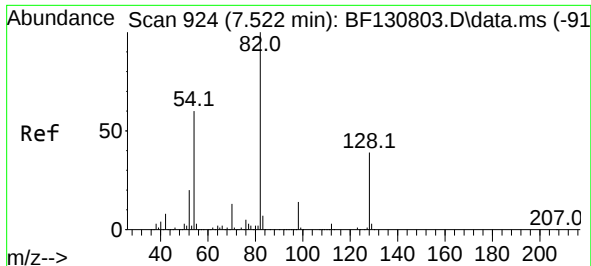
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#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

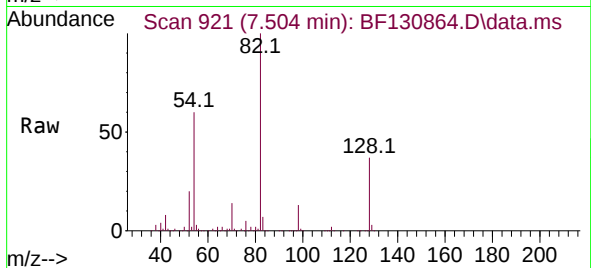
Tgt Ion:136 Resp: 223980
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 10.2 8.8 13.2
68 6.1 5.2 7.8





#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

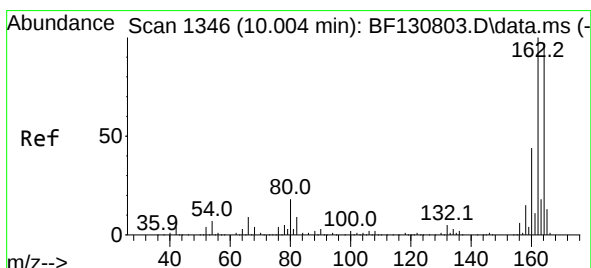
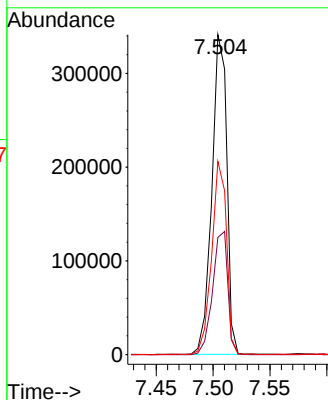
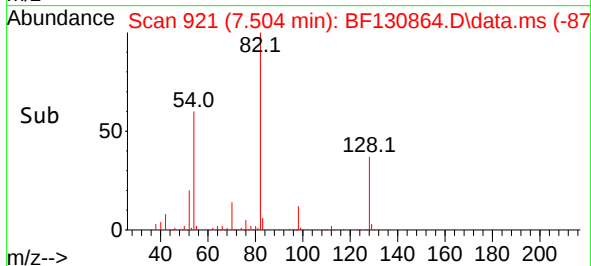
Instrument :
BNA_F
ClientSampleId :
LACY-05



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

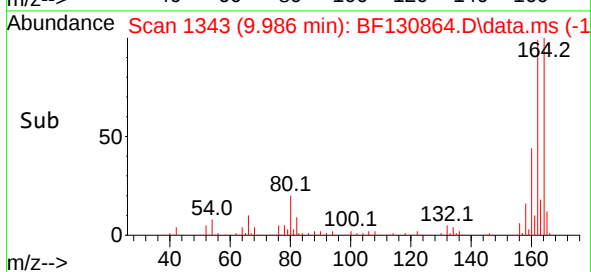
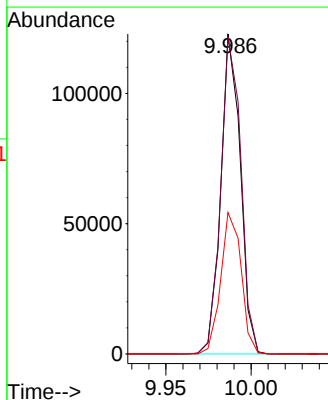
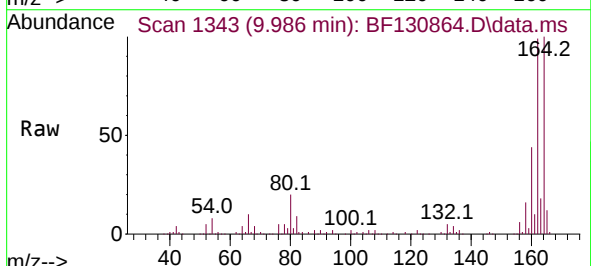
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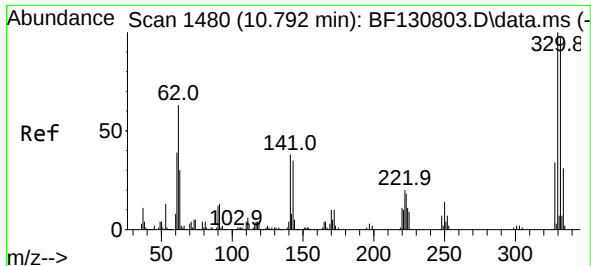
Reviewed By :Christian Giraldo 10/31/2022
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.986 min Scan# 1343
Delta R.T. -0.012 min
Lab File: BF130864.D
Acq: 29 Oct 2022 18:48

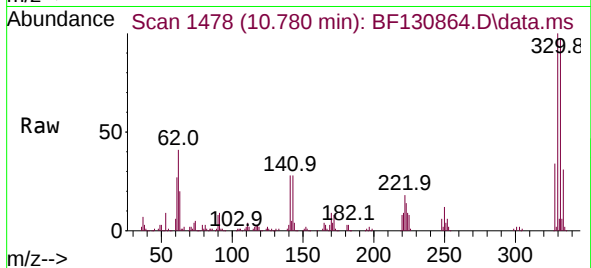
Tgt Ion:164 Resp: 97529
Ion Ratio Lower Upper
164 100
162 99.0 82.2 123.2
160 44.2 36.6 54.8





#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

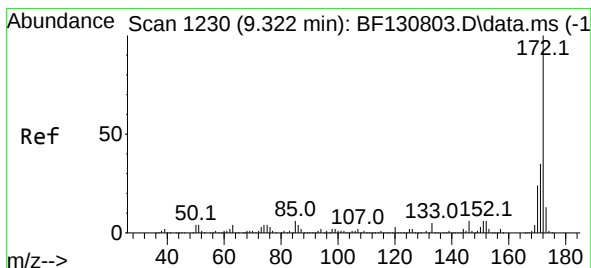
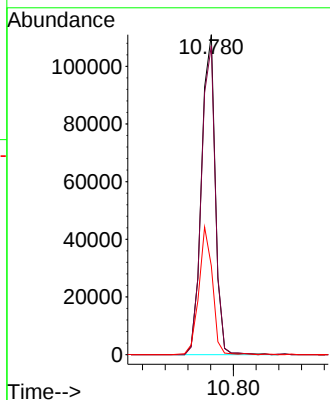
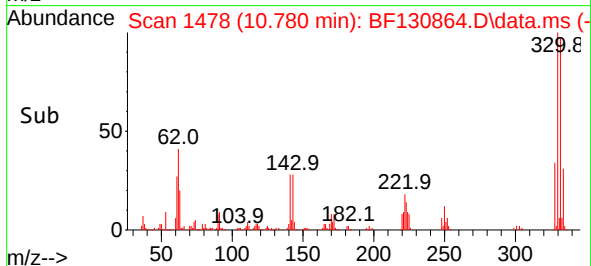
Instrument :
BNA_F
ClientSampleId :
LACY-05



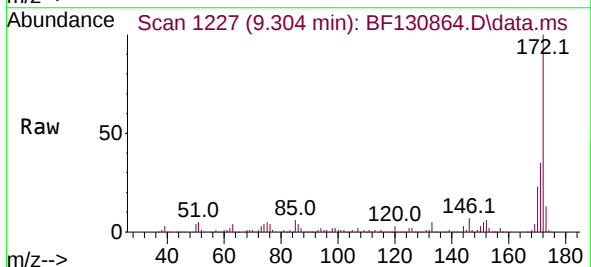
Tgt Ion: 330 Resp: 9304
Ion Ratio Lower Upper
330 100
332 97.9 76.2 114.4
141 39.3 31.4 47.0

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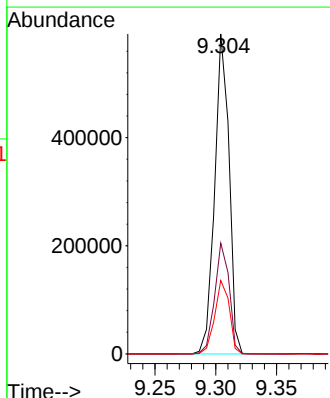
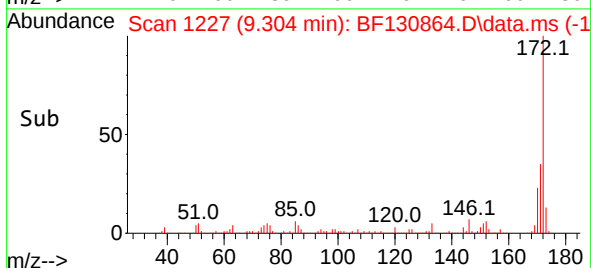
Reviewed By : Christian Giraldo 10/31/2022
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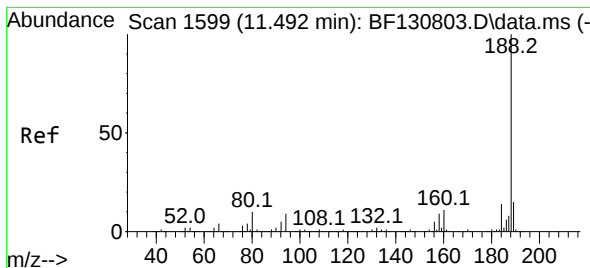


#45
2-Fluorobiphenyl
Concen: 75.124 ng
RT: 9.304 min Scan# 1227
Delta R.T. -0.006 min
Lab File: BF130864.D
Acq: 29 Oct 2022 18:48



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.480 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF130864.D

Acq: 29 Oct 2022 18:48

Instrument :

BNA_F

ClientSampleId :

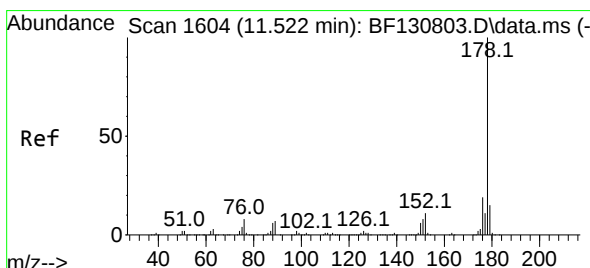
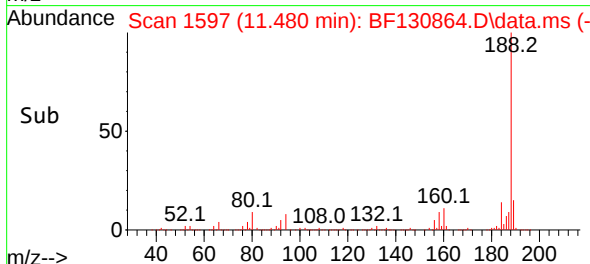
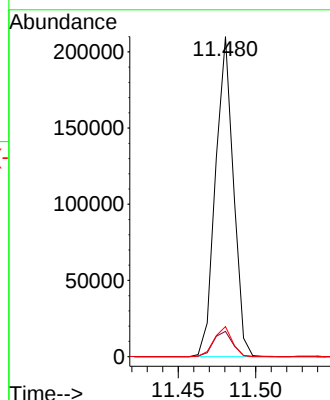
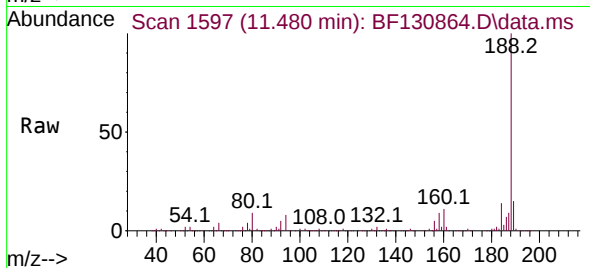
LACY-05

Tgt Ion:188 Resp: 169072
 Ion Ratio Lower Upper
 188 100
 94 7.9 7.4 11.2
 80 9.4 8.0 12.0

Manual Integrations

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 Supervised By :Jagrut Upadhyay 11/01/2022



#71

Phenanthrene

Concen: 13.595 ng

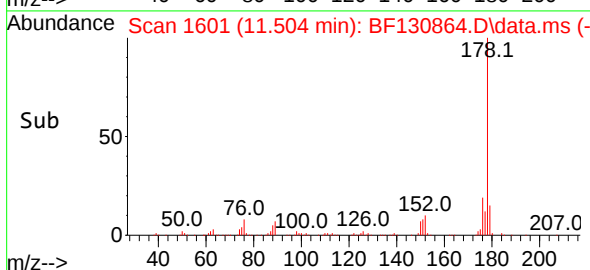
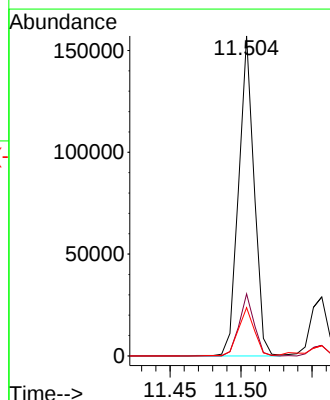
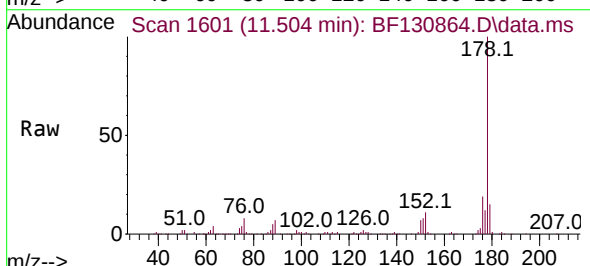
RT: 11.504 min Scan# 1601

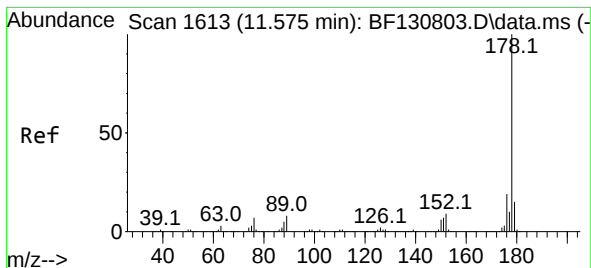
Delta R.T. -0.006 min

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# 1610

Delta R.T. -0.006 min

Lab File: BF130864.D

Acq: 29 Oct 2022 18:48

Instrument :

BNA_F

ClientSampleId :

LACY-05

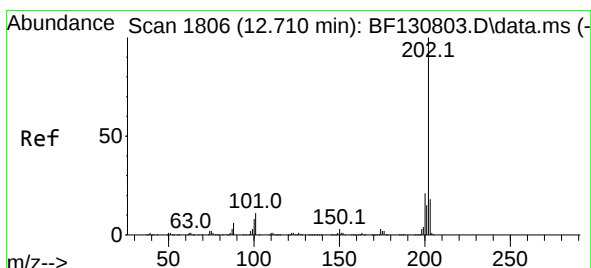
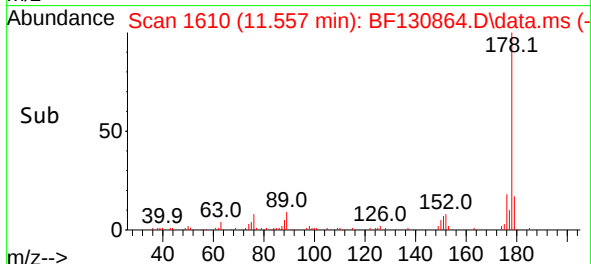
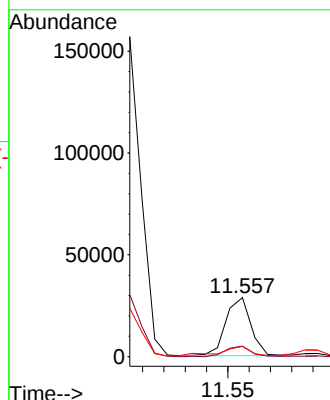
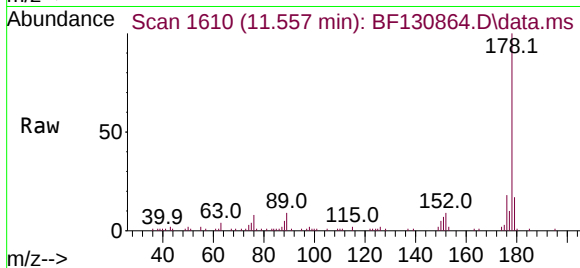
Tgt Ion:178	Resp:	2336
Ion Ratio	Lower	Upper
178	100	
176	17.9	15.4 23.0
179	17.2	12.2 18.4

Manual Integrations

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#75

Fluoranthene

Concen: 41.176 ng

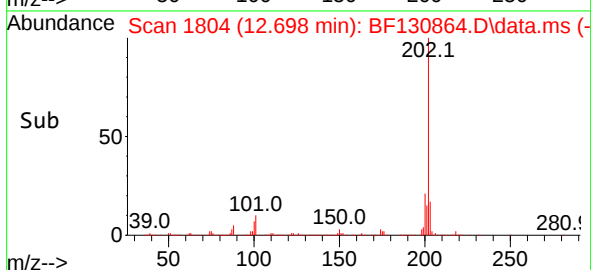
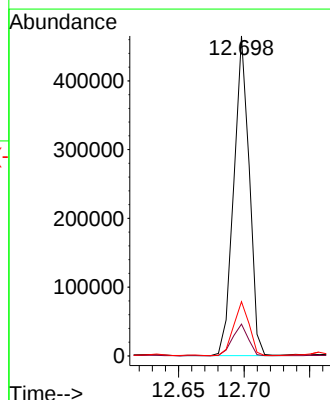
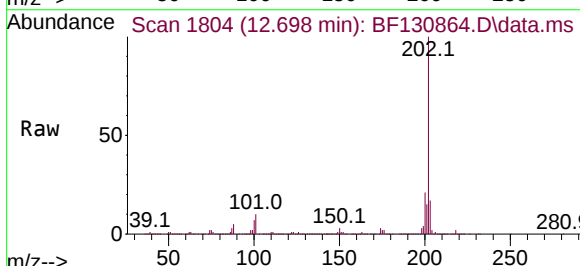
RT: 12.698 min Scan# 1804

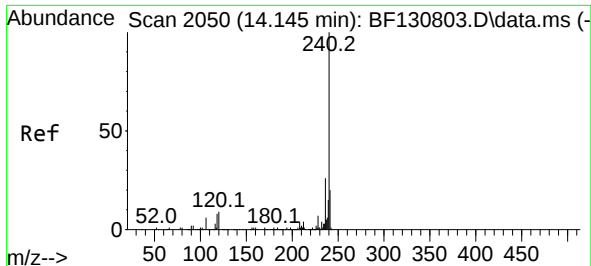
Delta R.T. -0.006 min

Lab File: BF130864.D

Acq: 29 Oct 2022 18:48

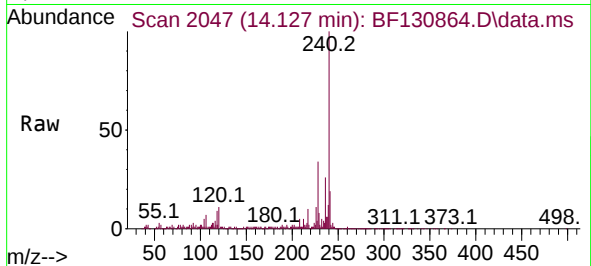
Tgt Ion:202	Resp:	381786
Ion Ratio	Lower	Upper
202	100	
101	9.9	0.0 30.9
203	16.9	0.0 37.7





#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

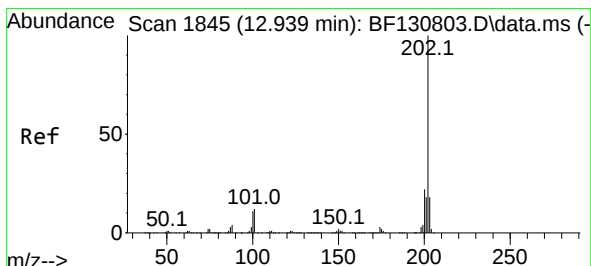
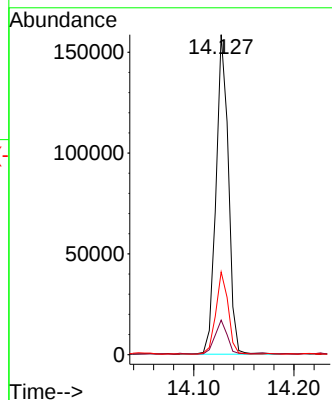
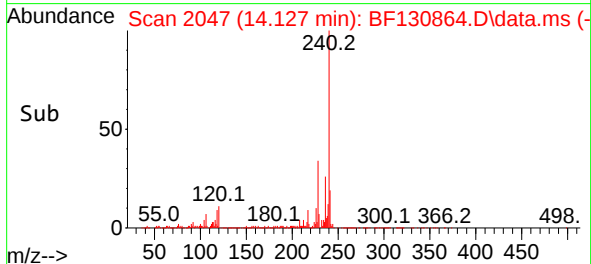
Instrument :
BNA_F
ClientSampleId :
LACY-05



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

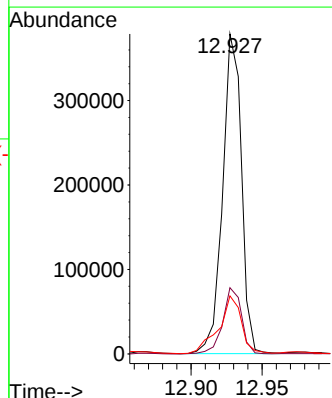
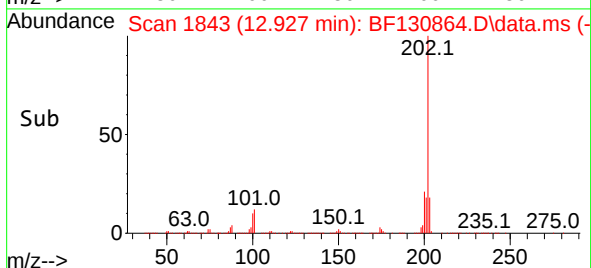
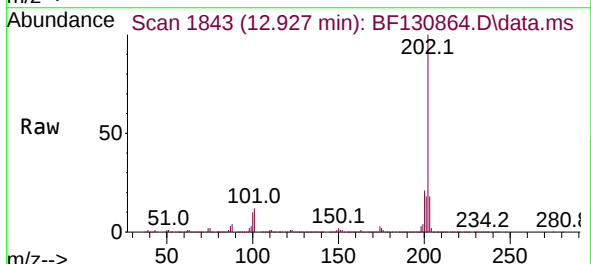
Manual Integrations
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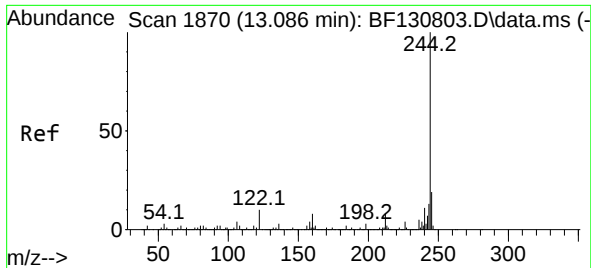
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#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

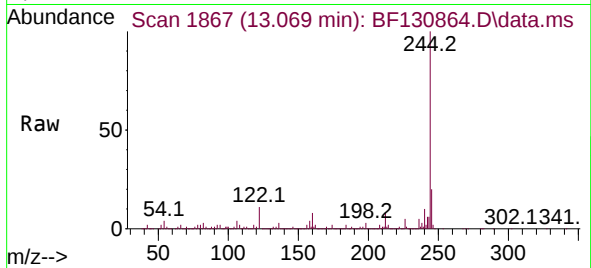
Tgt Ion:202 Resp: 349773
Ion Ratio Lower Upper
202 100
200 20.7 17.2 25.8
203 18.1 14.5 21.7





#79
 Terphenyl-d14
 Concen: 63.748 ng
 RT: 13.069 min Scan# 1870
 Delta R.T. -0.006 min
 Lab File: BF130864.D
 Acq: 29 Oct 2022 18:48

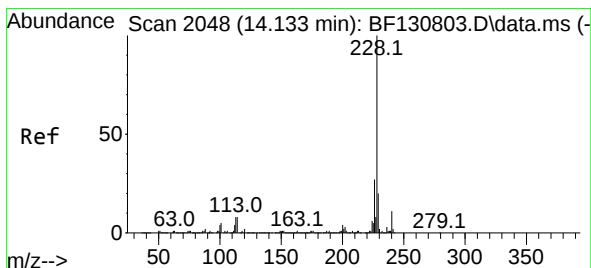
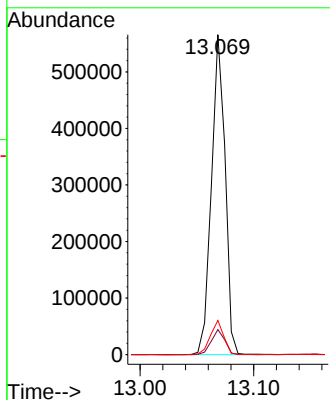
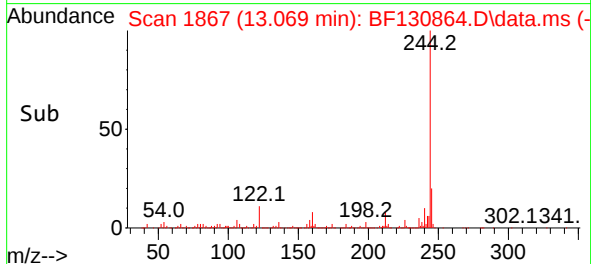
Instrument :
 BNA_F
 ClientSampleId :
 LACY-05



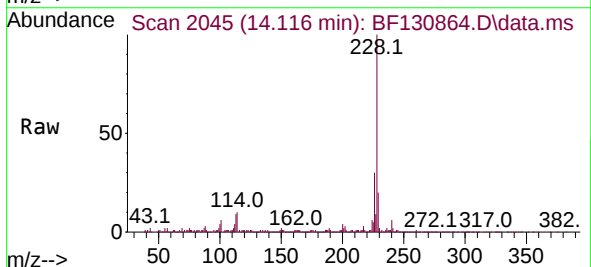
Tgt Ion:244 Resp: 473244
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.2 9.2
 122 10.7 7.9 11.9

Manual Integrations
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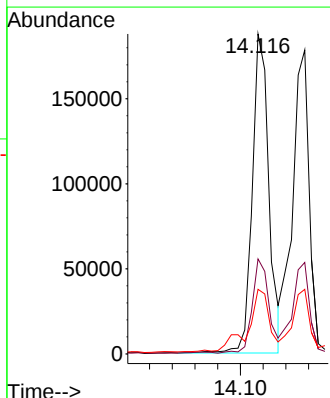
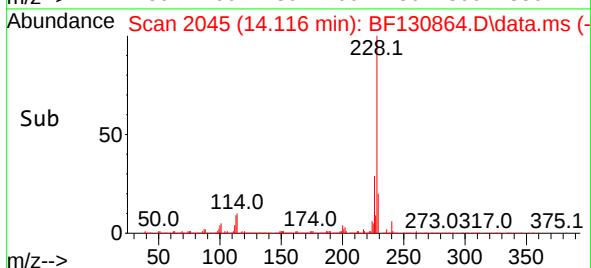
Reviewed By :Christian Giraldo 10/31/2022
 Supervised By :Jagrut Upadhyay 11/01/2022

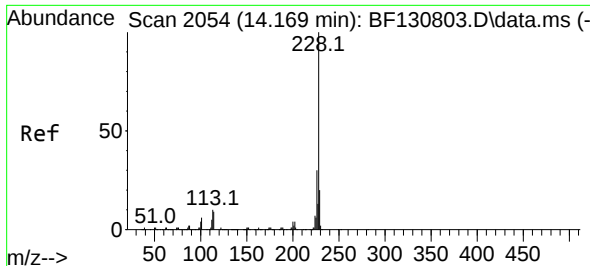


#81
 Benzo(a)anthracene
 Concen: 21.096 ng
 RT: 14.116 min Scan# 2045
 Delta R.T. -0.006 min
 Lab File: BF130864.D
 Acq: 29 Oct 2022 18:48



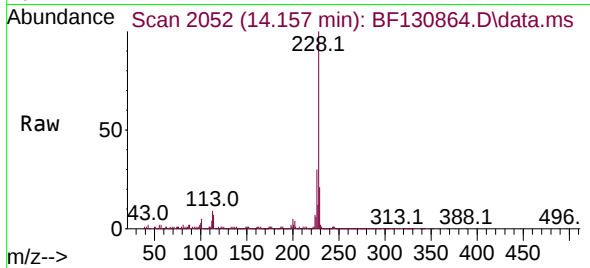
Tgt Ion:228 Resp: 190268
 Ion Ratio Lower Upper
 228 100
 226 29.7 21.4 32.2
 229 20.2 15.8 23.6





#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

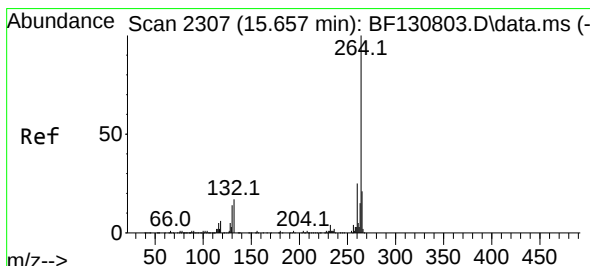
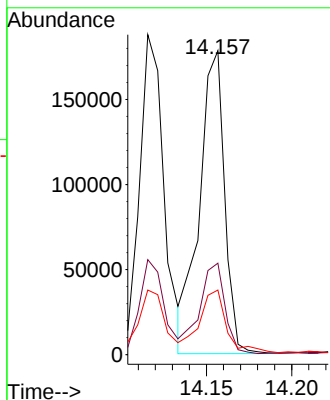
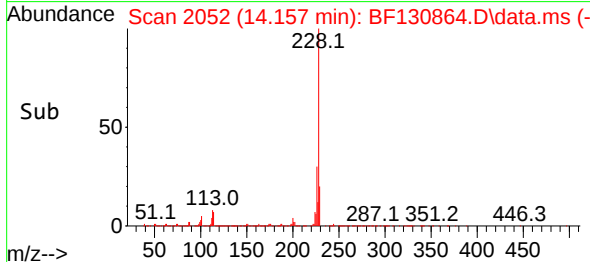
Instrument :
BNA_F
ClientSampleId :
LACY-05



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

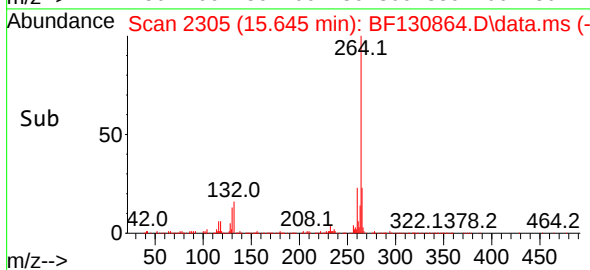
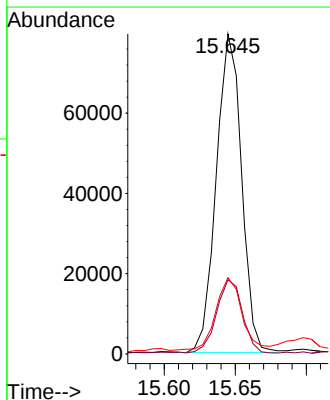
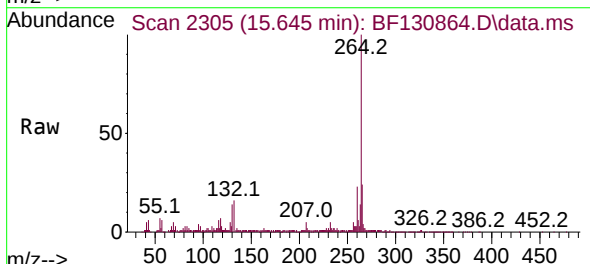
Manual Integrations
APPROVED

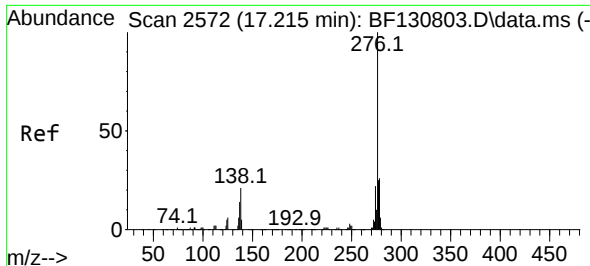
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.645 min Scan# 2305
Delta R.T. -0.000 min
Lab File: BF130864.D
Acq: 29 Oct 2022 18:48

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





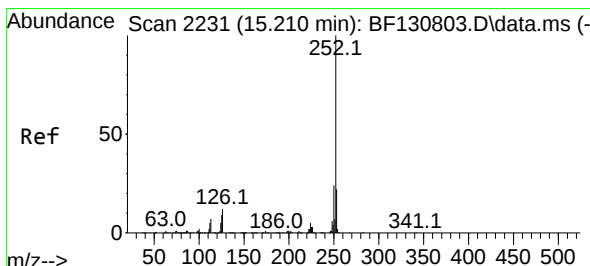
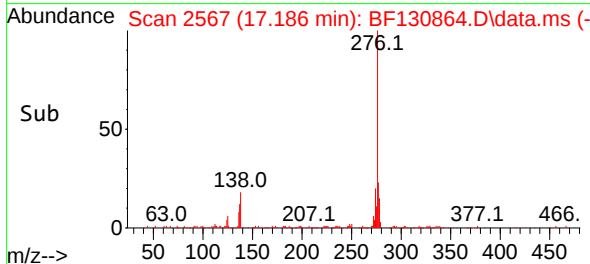
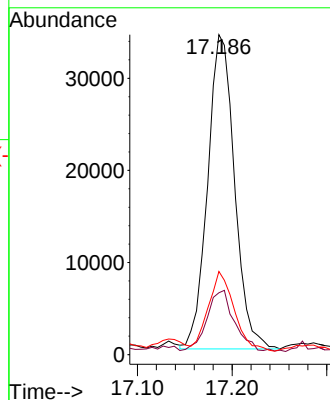
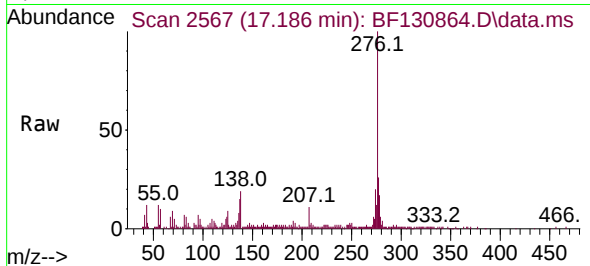
#87
Indeno(1,2,3-cd)pyrene
Concen: 10.342 ng
RT: 17.186 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF130864.D
Acq: 29 Oct 2022 18:48

Instrument :
BNA_F
ClientSampleId :
LACY-05

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

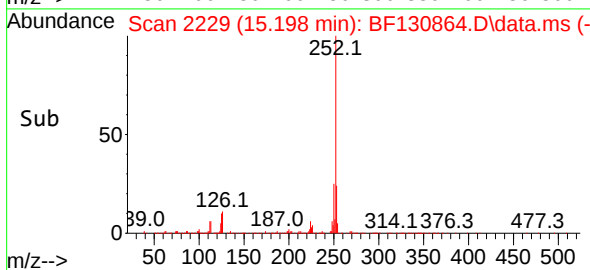
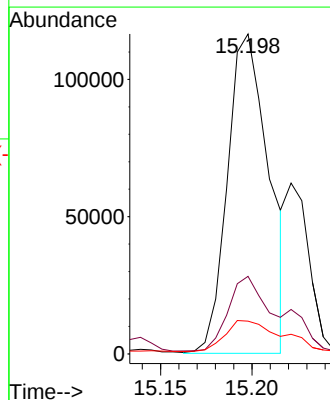
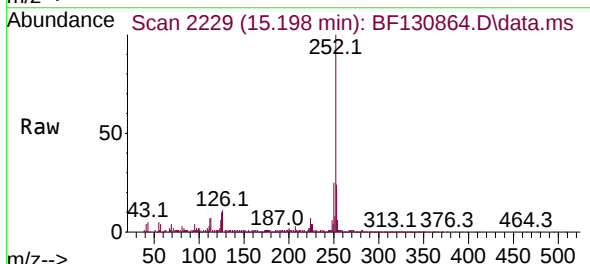
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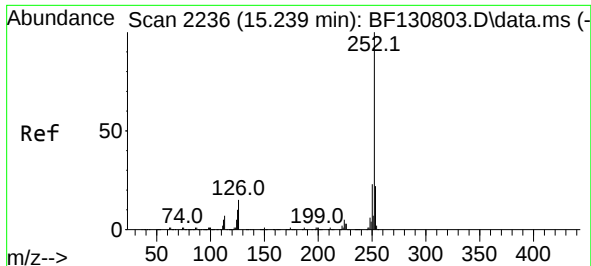
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#88
Benzo(b)fluoranthene
Concen: 28.823 ng m
RT: 15.198 min Scan# 2229
Delta R.T. -0.000 min
Lab File: BF130864.D
Acq: 29 Oct 2022 18:48

Tgt Ion:252 Resp: 183199
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: 8.658 ng m

RT: 15.221 min Scan# 2236

Delta R.T. -0.006 min

Lab File: BF130864.D

Acq: 29 Oct 2022 18:48

Instrument :

BNA_F

ClientSampleId :

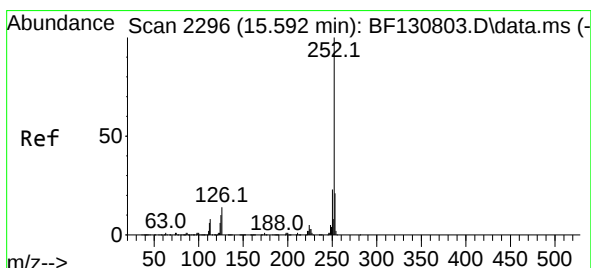
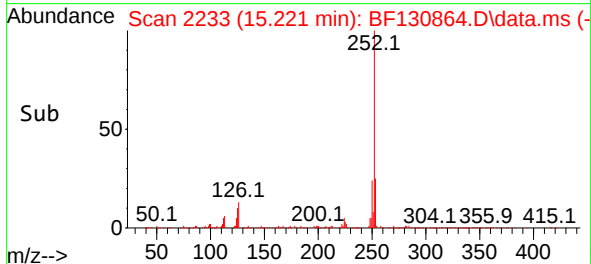
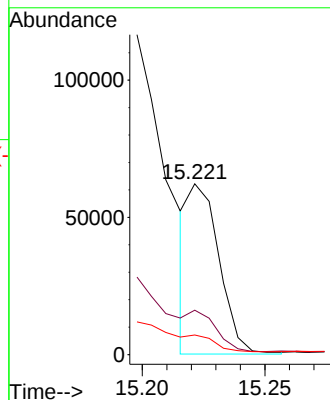
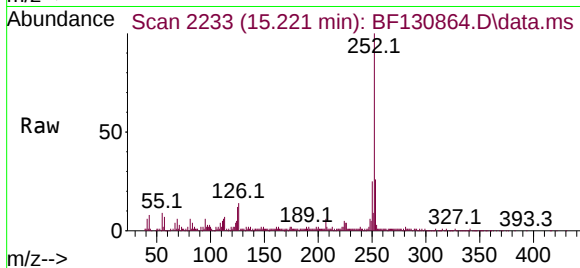
LACY-05

Tgt Ion:252	Resp:	5362
Ion Ratio	Lower	Upper
252	100	
253	26.0	17.5 26.3
125	11.5	8.0 12.0

Manual Integrations

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Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#90

Benzo(a)pyrene

Concen: 22.070 ng

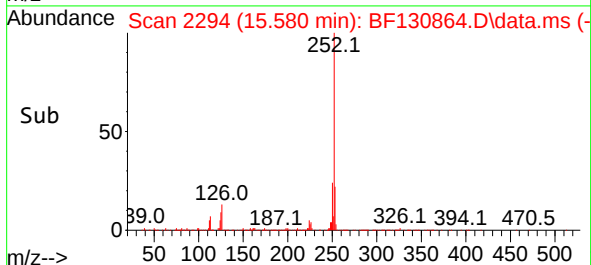
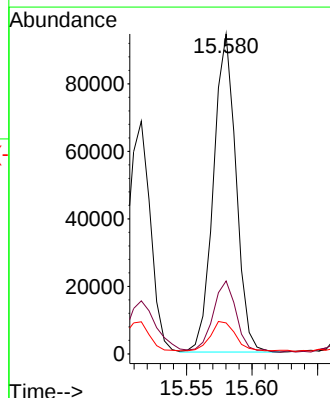
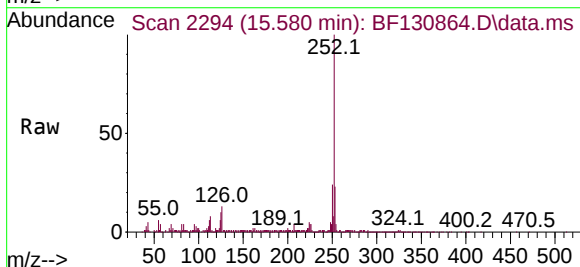
RT: 15.580 min Scan# 2294

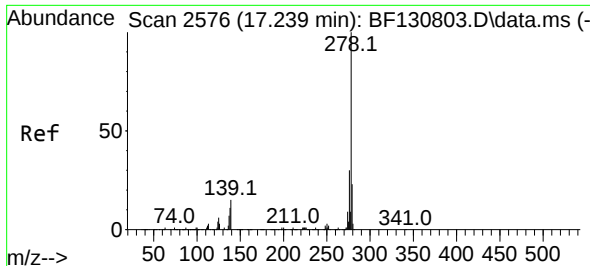
Delta R.T. -0.000 min

Lab File: BF130864.D

Acq: 29 Oct 2022 18:48

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





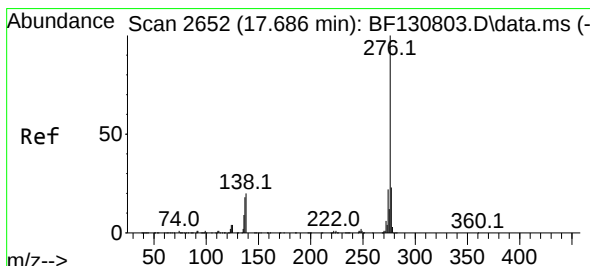
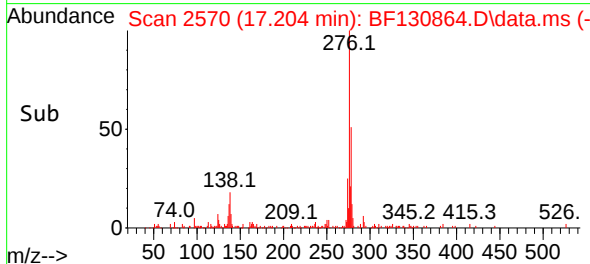
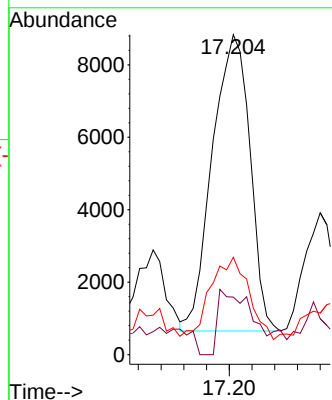
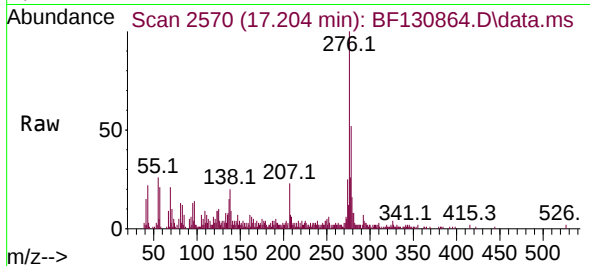
#91
Dibenzo(a,h)anthracene
Concen: 3.532 ng
RT: 17.204 min Scan# 2576
Delta R.T. -0.012 min
Lab File: BF130864.D
Acq: 29 Oct 2022 18:48

Instrument :
BNA_F
ClientSampleId :
LACY-05

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

Manual Integrations
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Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#92
Benzo(g,h,i)perylene
Concen: 11.620 ng
RT: 17.656 min Scan# 2647
Delta R.T. -0.012 min
Lab File: BF130864.D
Acq: 29 Oct 2022 18:48

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

