

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103122\
 Data File : BF130879.D
 Acq On : 31 Oct 2022 14:58
 Operator : CG\JU
 Sample : N5327-01
 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

Manual Integrations
 APPROVED

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

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
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
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	260492m	31.453	ng	
89) Benzo(k)fluoranthene	15.227	252	67440m	8.357	ng	
90) Benzo(a)pyrene	15.586	252	148287	22.273	ng	97
91) Dibenzo(a,h)anthracene	17.209	278	24494m	3.532	ng	
92) Benzo(g,h,i)perylene	17.662	276	74249	10.493	ng	98

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

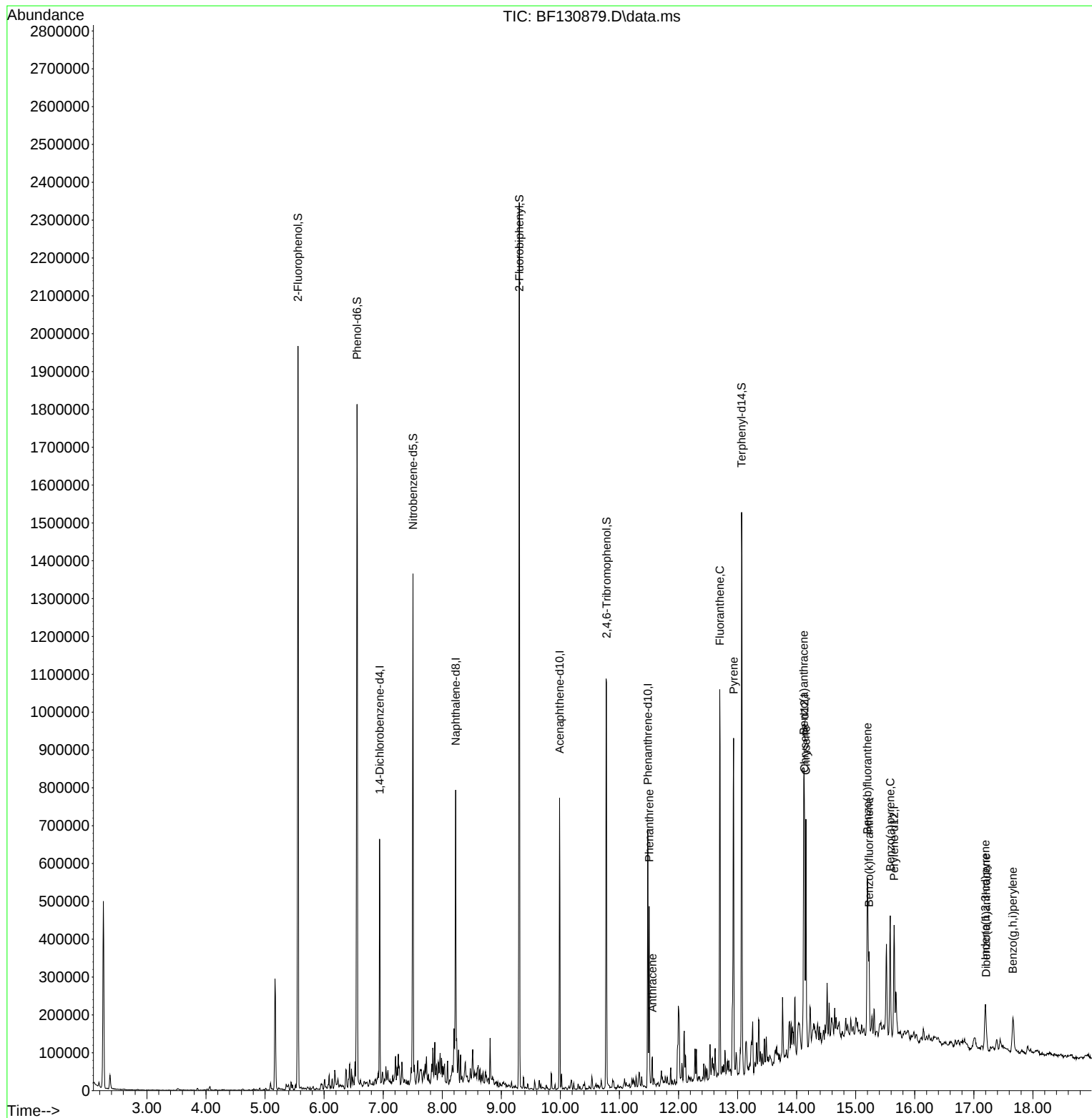
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103122\
Data File : BF130879.D
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Operator : CG\JU
Sample : N5327-01
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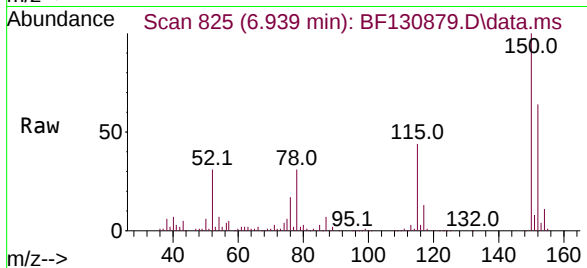
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.939 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF130879.D
Acq: 31 Oct 2022 14:58

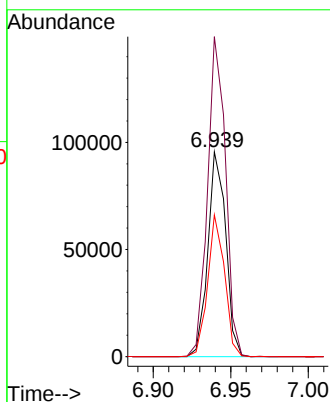
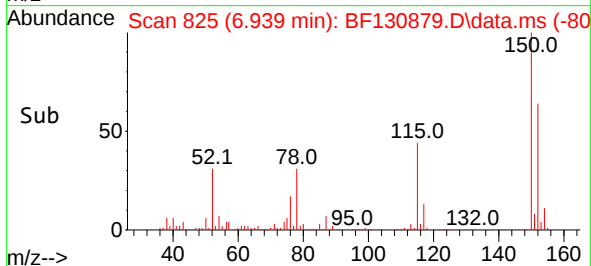
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BNA_F
ClientSampleId :
LACY-05



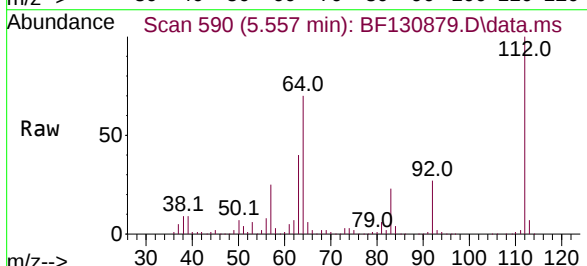
Tgt Ion:152 Resp: 76588
Ion Ratio Lower Upper
152 100
150 156.3 124.1 186.1
115 69.2 50.1 75.1

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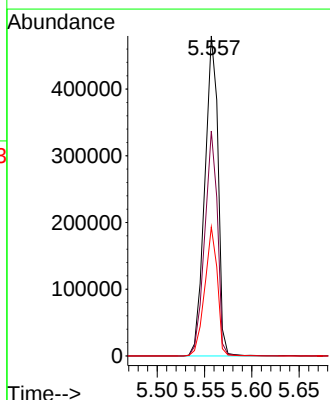
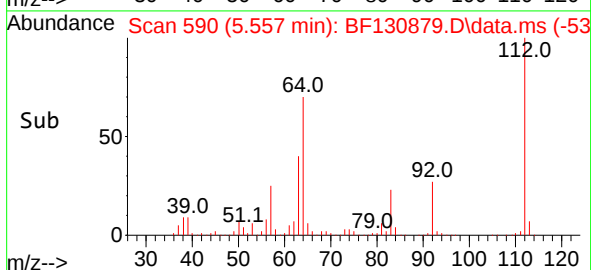
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#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



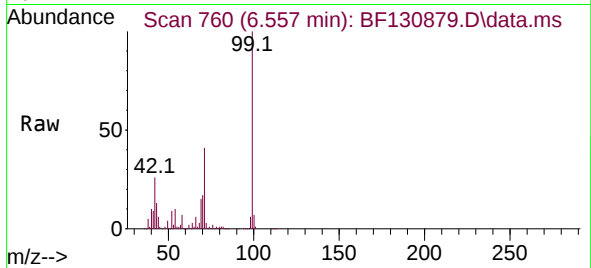
Tgt Ion:112 Resp: 469514
Ion Ratio Lower Upper
112 100
64 70.3 53.9 80.9
63 40.3 29.4 44.2





#7
Phenol-d6
Concen: 103.820 ng
RT: 6.557 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF130879.D
Acq: 31 Oct 2022 14:58

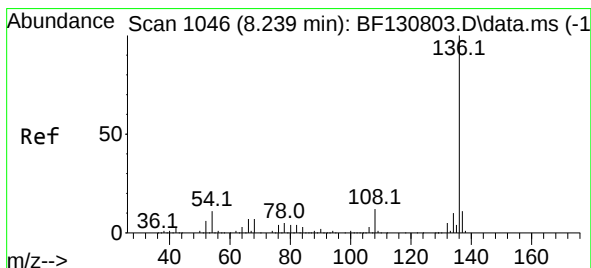
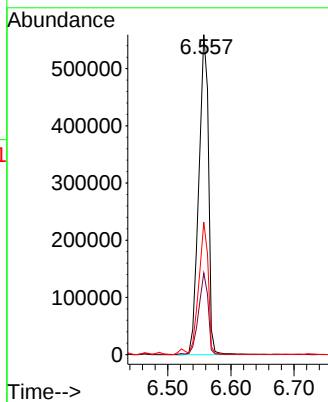
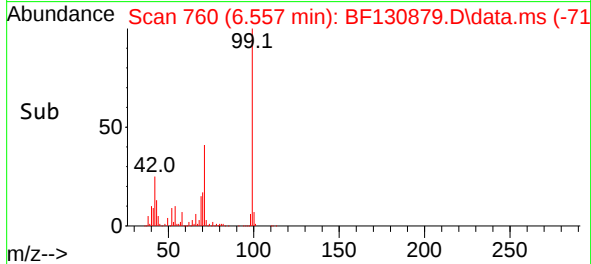
Instrument :
BNA_F
ClientSampleId :
LACY-05



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

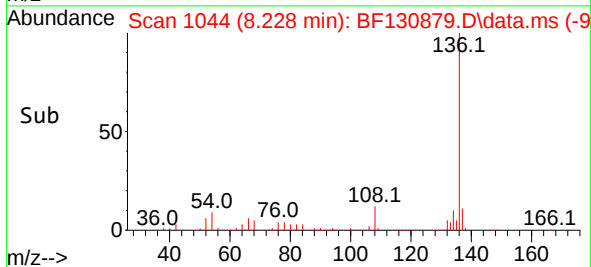
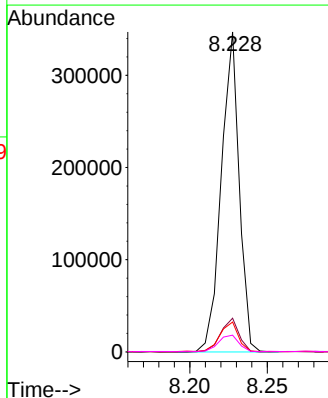
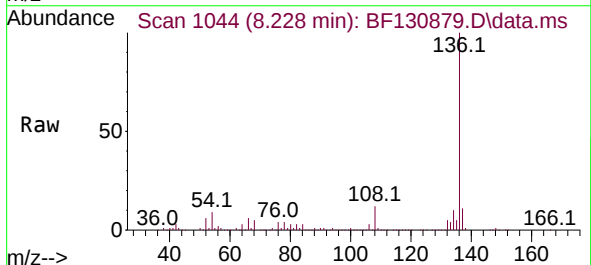
Manual Integrations
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.228 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BF130879.D
Acq: 31 Oct 2022 14:58

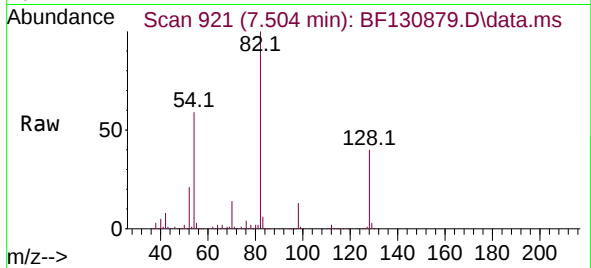
Tgt Ion:136 Resp: 280097
Ion Ratio Lower Upper
136 100
137 10.5 9.2 13.8
54 9.3 8.8 13.2
68 5.2 5.2 7.8





#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

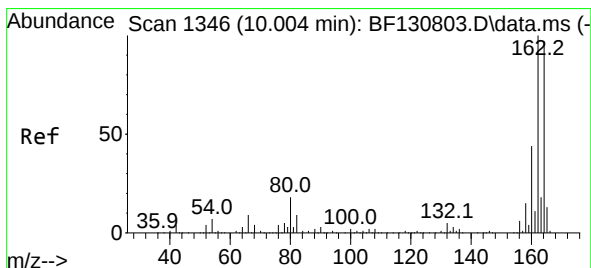
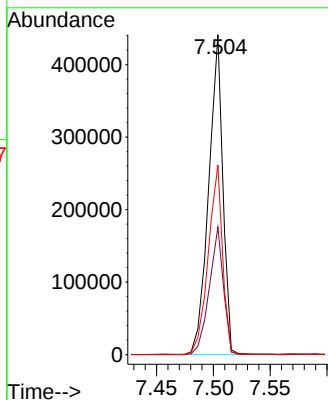
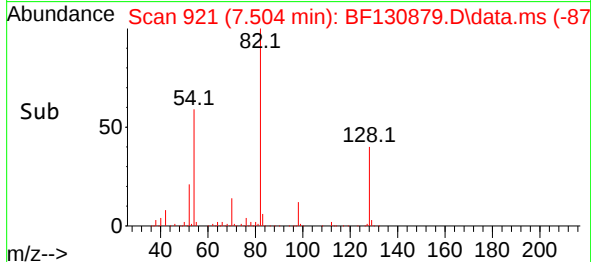
Instrument :
BNA_F
ClientSampleId :
LACY-05



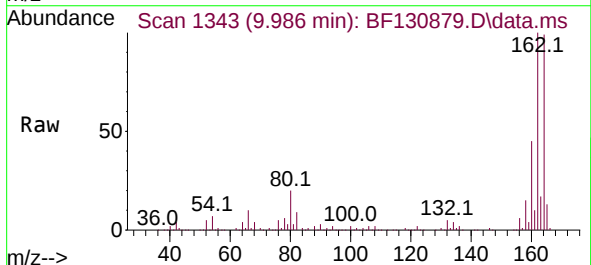
Tgt Ion: 82 Resp: 383416
Ion Ratio Lower Upper
82 100
128 39.9 31.2 46.8
54 59.2 48.0 72.0

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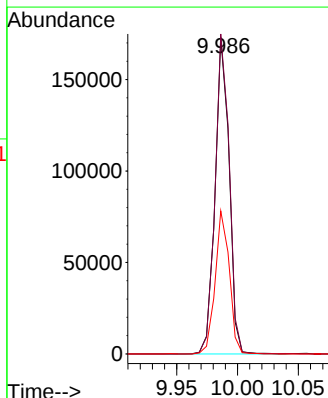
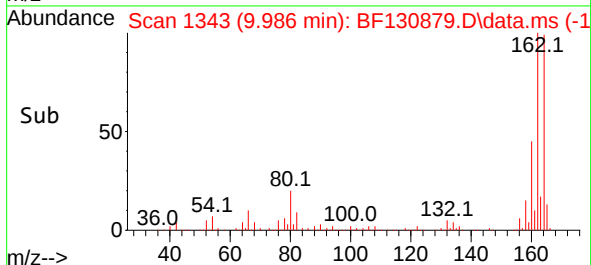
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :Jagrut Upadhyay 11/01/2022

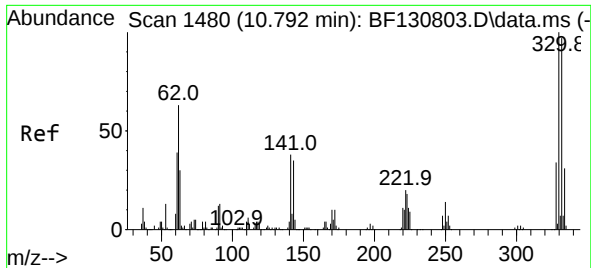


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.986 min Scan# 1343
Delta R.T. -0.012 min
Lab File: BF130879.D
Acq: 31 Oct 2022 14:58



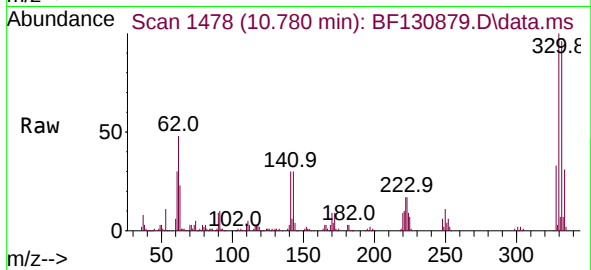
Tgt Ion:164 Resp: 139385
Ion Ratio Lower Upper
164 100
162 101.1 82.2 123.2
160 45.2 36.6 54.8





#42
2,4,6-Tribromophenol
Concen: 105.063 ng
RT: 10.780 min Scan# 1480
Delta R.T. -0.006 min
Lab File: BF130879.D
Acq: 31 Oct 2022 14:58

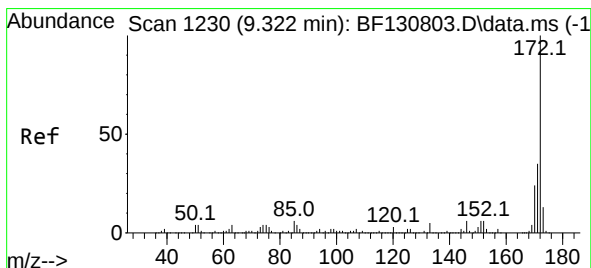
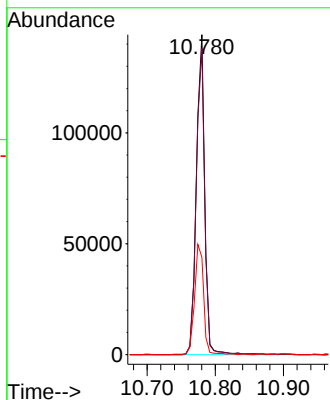
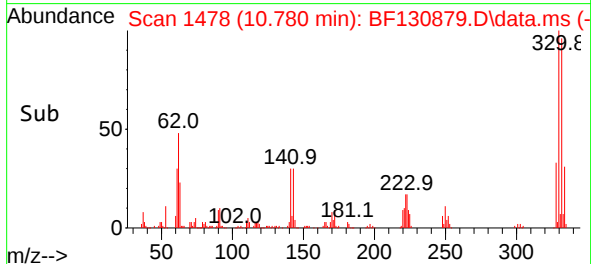
Instrument :
BNA_F
ClientSampleId :
LACY-05



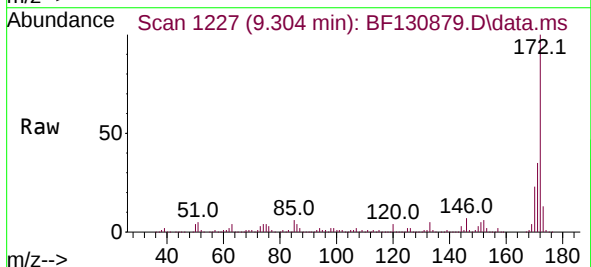
Tgt Ion: 330 Resp: 123275
Ion Ratio Lower Upper
330 100
332 96.8 76.2 114.4
141 37.2 31.4 47.0

Manual Integrations
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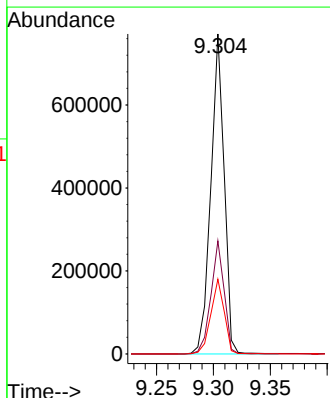
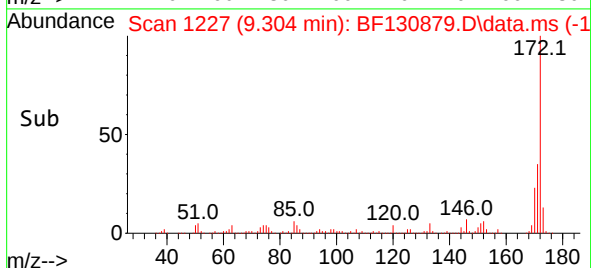
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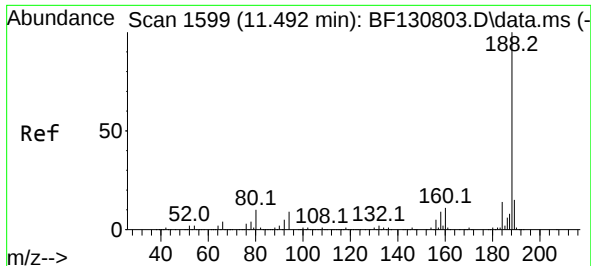


#45
2-Fluorobiphenyl
Concen: 68.627 ng
RT: 9.304 min Scan# 1227
Delta R.T. -0.006 min
Lab File: BF130879.D
Acq: 31 Oct 2022 14:58



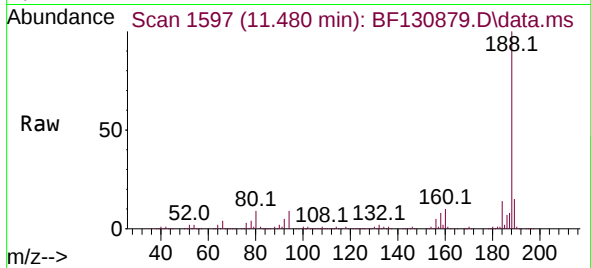
Tgt Ion: 172 Resp: 632696
Ion Ratio Lower Upper
172 100
171 35.3 28.1 42.1
170 23.3 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1599
Delta R.T. -0.006 min
Lab File: BF130879.D
Acq: 31 Oct 2022 14:58

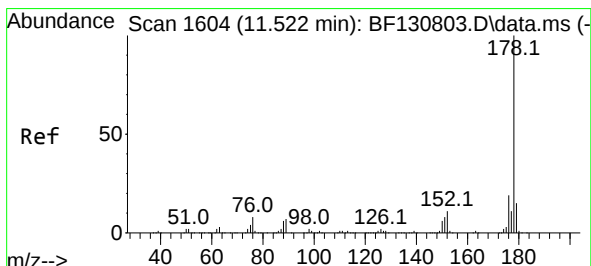
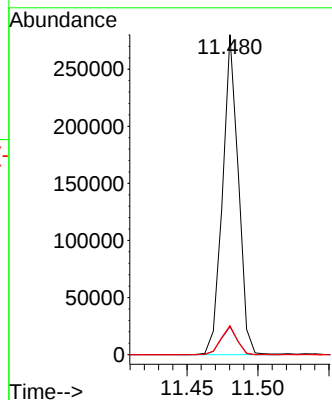
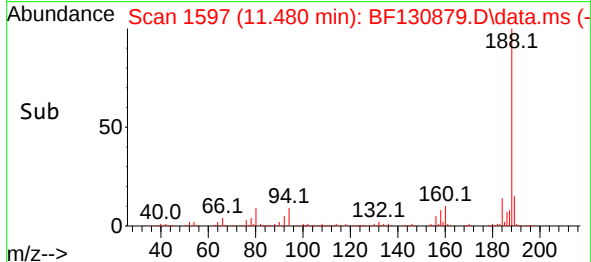
Instrument :
BNA_F
ClientSampleId :
LACY-05



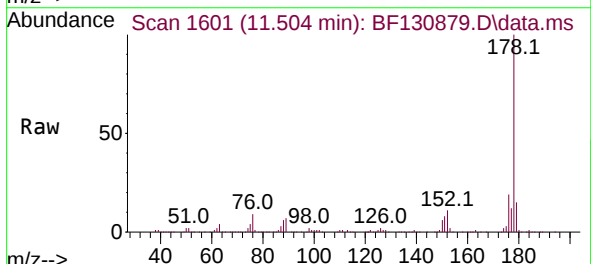
Tgt Ion:188 Resp: 216588
Ion Ratio Lower Upper
188 100
94 8.7 7.4 11.2
80 9.1 8.0 12.0

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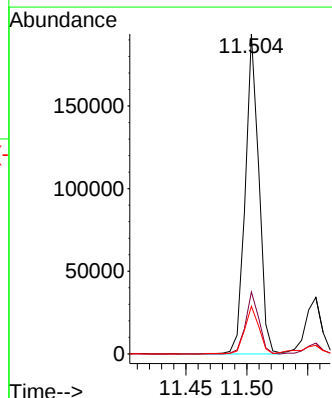
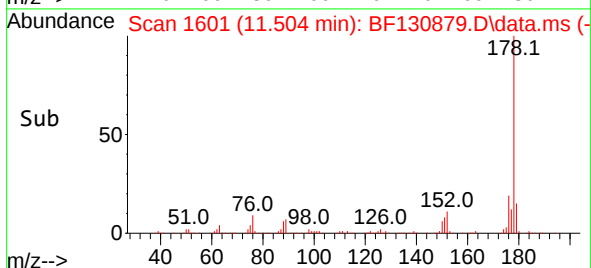
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :Jagrut Upadhyay 11/01/2022

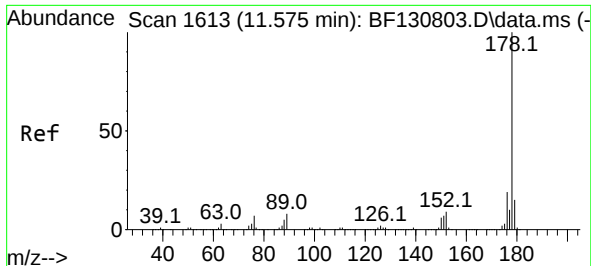


#71
Phenanthrene
Concen: 13.482 ng
RT: 11.504 min Scan# 1601
Delta R.T. -0.006 min
Lab File: BF130879.D
Acq: 31 Oct 2022 14:58



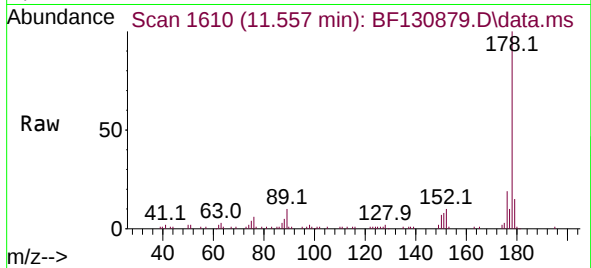
Tgt Ion:178 Resp: 150718
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 14.9 12.2 18.2





#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

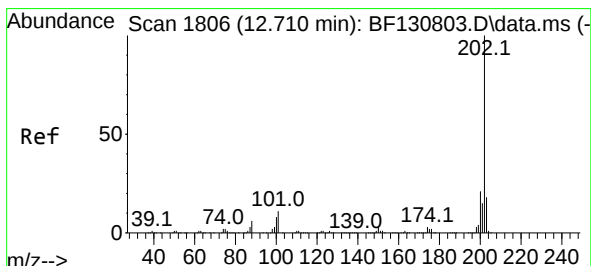
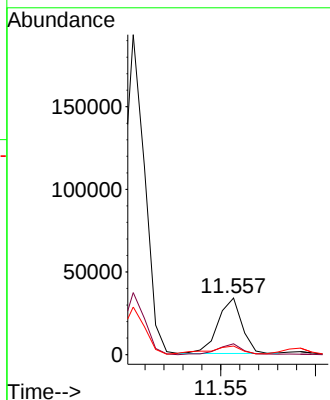
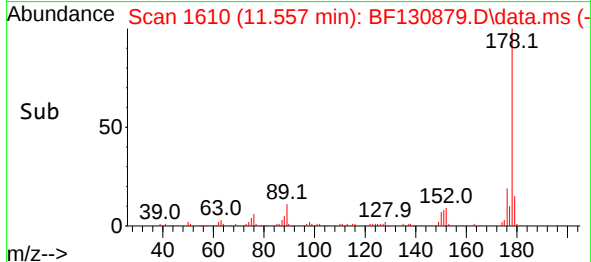
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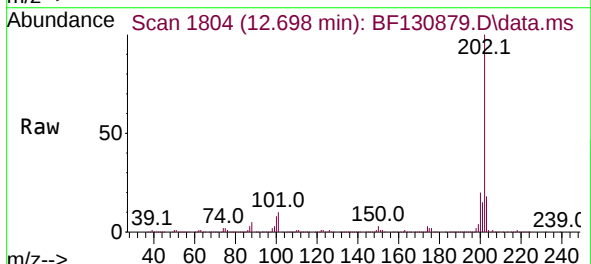
Tgt Ion:178 Resp: 29670
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.4 23.0
 179 15.1 12.2 18.4

Manual Integrations
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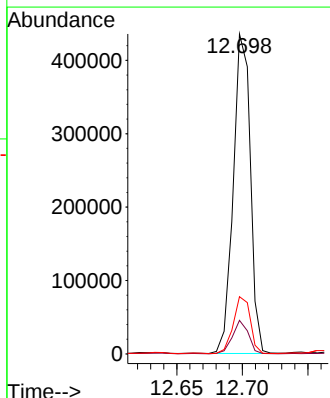
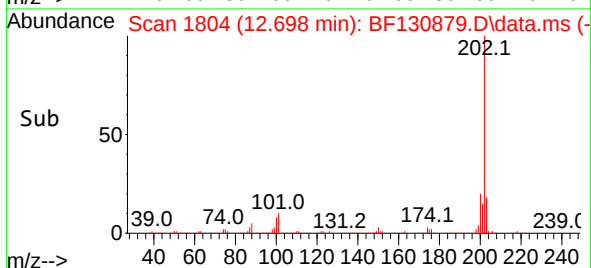
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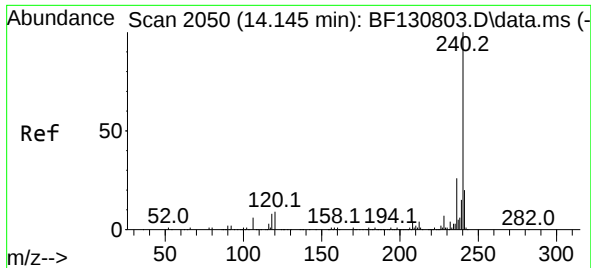


#75
 Fluoranthene
 Concen: 33.134 ng
 RT: 12.698 min Scan# 1804
 Delta R.T. -0.006 min
 Lab File: BF130879.D
 Acq: 31 Oct 2022 14:58



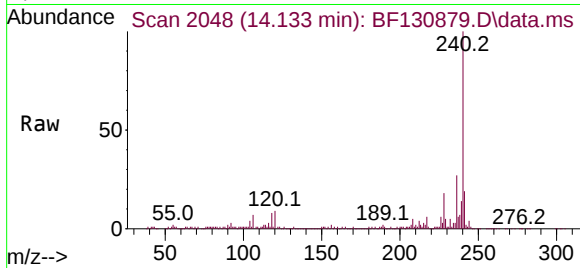
Tgt Ion:202 Resp: 393550
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 30.9
 203 17.9 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2050
Delta R.T. -0.000 min
Lab File: BF130879.D
Acq: 31 Oct 2022 14:58

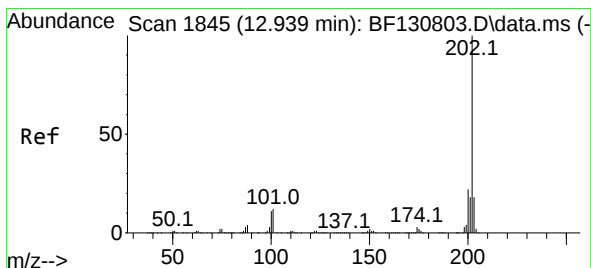
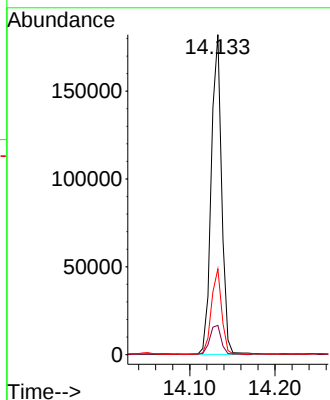
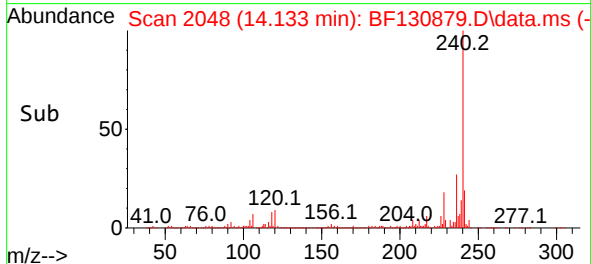
Instrument :
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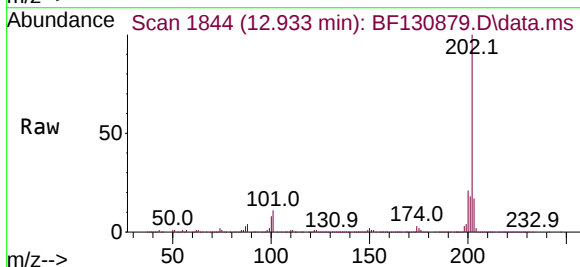
Tgt Ion:240 Resp: 154164
Ion Ratio Lower Upper
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120 9.1 7.0 10.4
236 26.8 20.5 30.7

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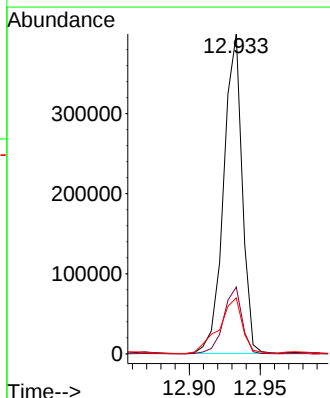
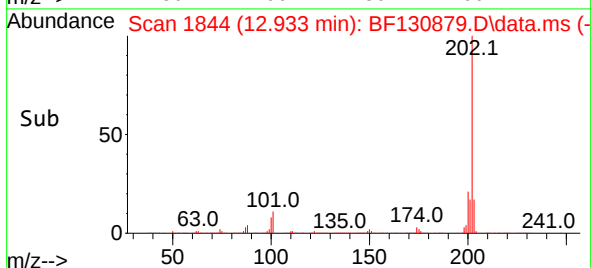
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :Jagrut Upadhyay 11/01/2022

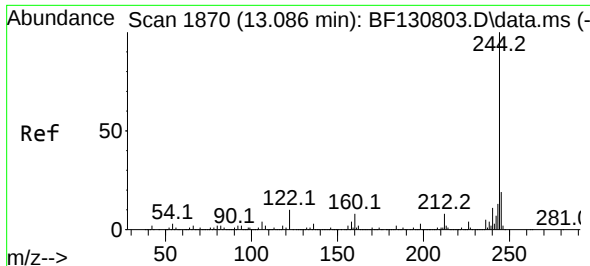


#78
Pyrene
Concen: 27.830 ng
RT: 12.933 min Scan# 1844
Delta R.T. -0.000 min
Lab File: BF130879.D
Acq: 31 Oct 2022 14:58



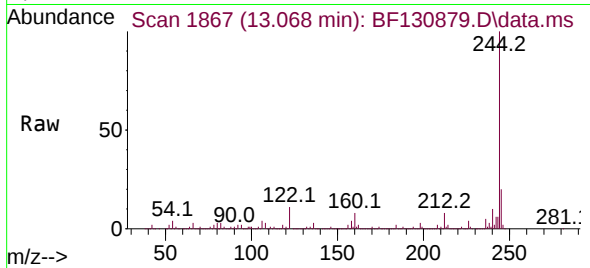
Tgt Ion:202 Resp: 361971
Ion Ratio Lower Upper
202 100
200 20.9 17.2 25.8
203 17.5 14.5 21.7





#79
 Terphenyl-d14
 Concen: 58.405 ng
 RT: 13.068 min Scan# 1870
 Delta R.T. -0.006 min
 Lab File: BF130879.D
 Acq: 31 Oct 2022 14:58

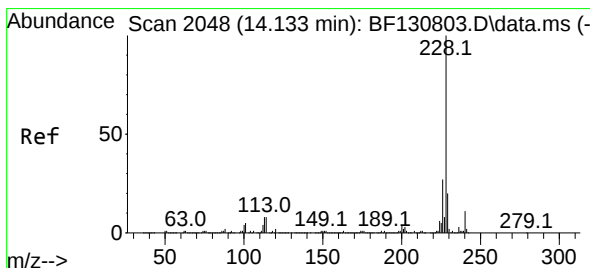
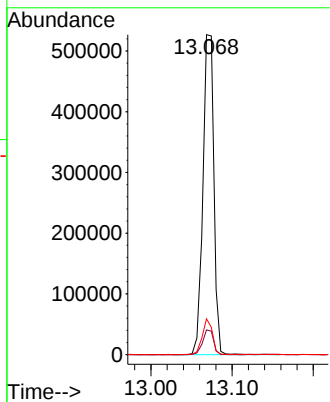
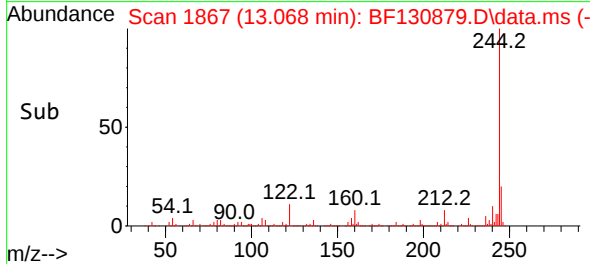
Instrument :
 BNA_F
 ClientSampleId :
 LACY-05



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

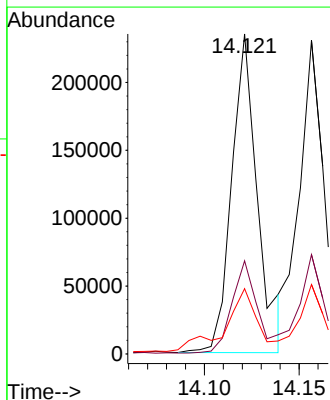
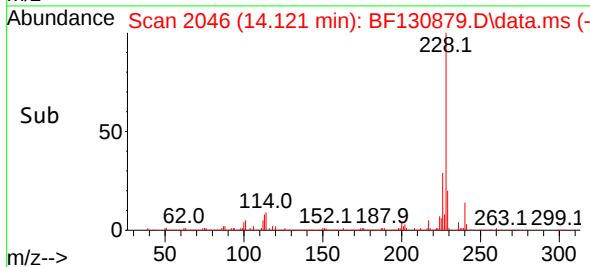
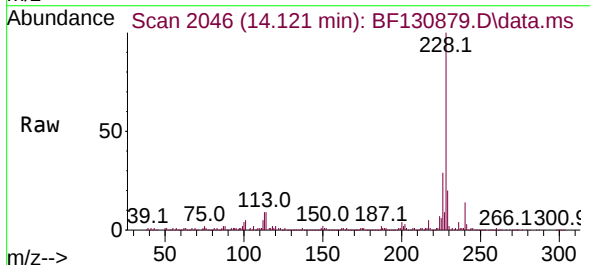
Manual Integrations
 APPROVED

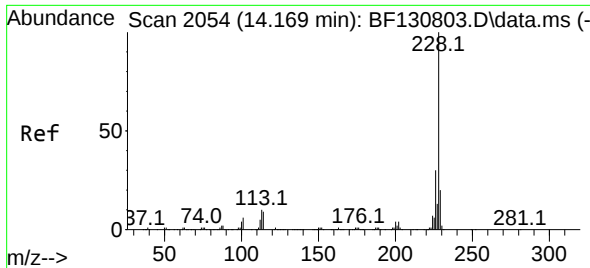
Reviewed By :Christian Giraldo 11/01/2022
 Supervised By :Jagrut Upadhyay 11/01/2022



#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





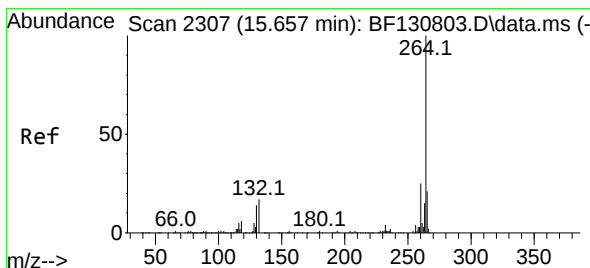
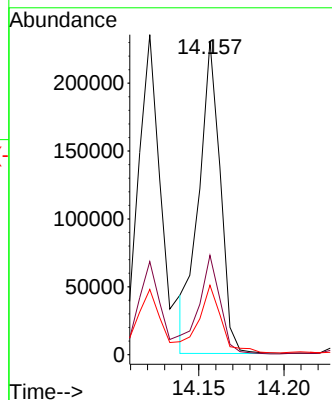
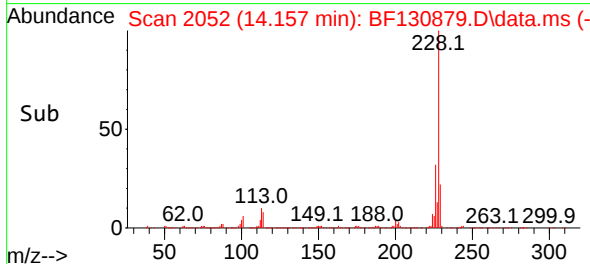
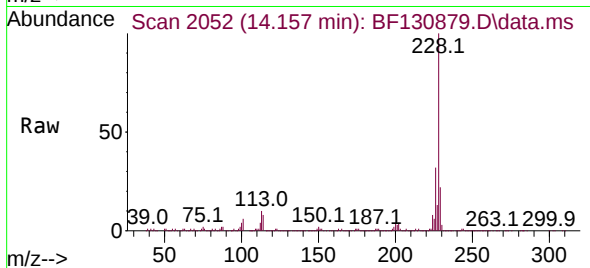
#83
Chrysene
Concen: 20.429 ng
RT: 14.157 min Scan# 2054
Delta R.T. -0.000 min
Lab File: BF130879.D
Acq: 31 Oct 2022 14:58

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

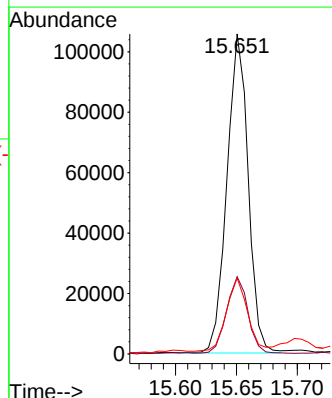
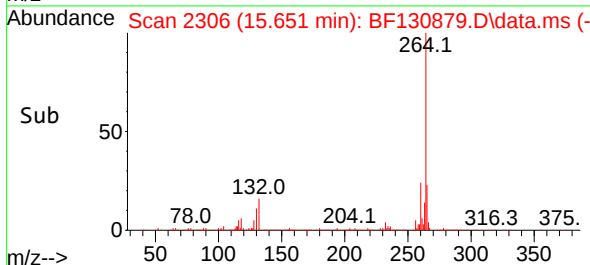
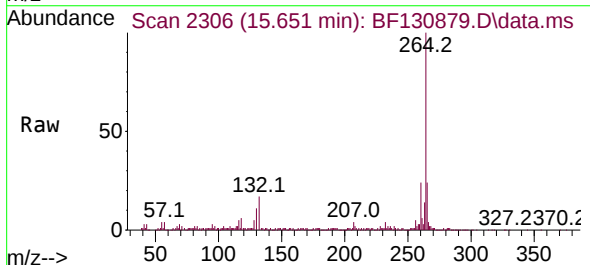
Manual Integrations
APPROVED

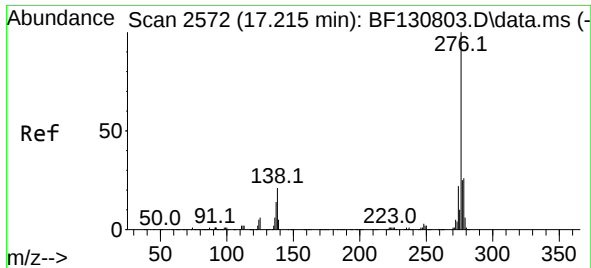
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#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

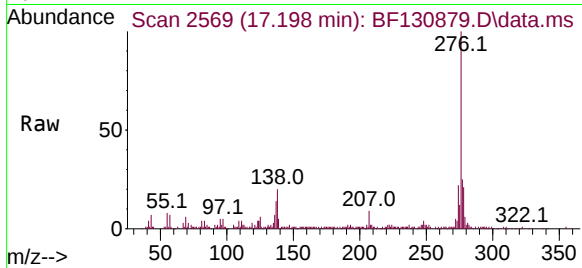
Tgt Ion:264 Resp: 128118
Ion Ratio Lower Upper
264 100
260 24.1 19.9 29.9
265 23.7 17.0 25.6





#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

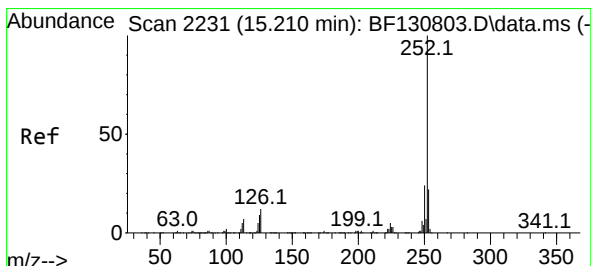
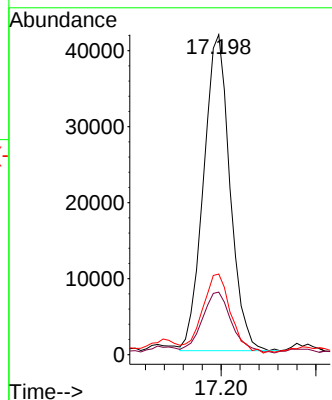
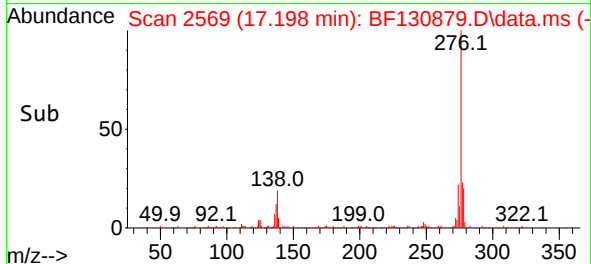
Instrument :
 BNA_F
 ClientSampleId :
 LACY-05



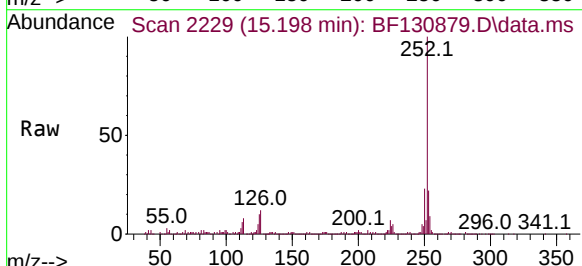
Tgt Ion:276 Resp: 80652
 Ion Ratio Lower Upper
 276 100
 138 21.5 19.1 28.7
 277 27.0 20.1 30.1

Manual Integrations
 APPROVED

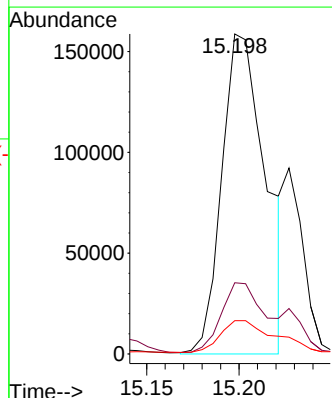
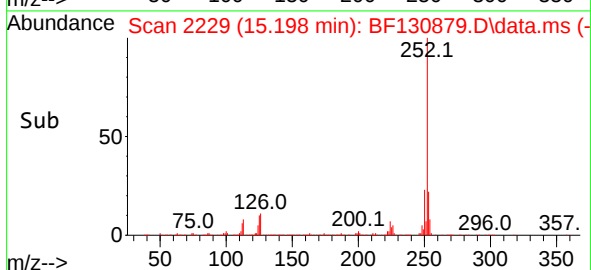
Reviewed By :Christian Giraldo 11/01/2022
 Supervised By :Jagrut Upadhyay 11/01/2022

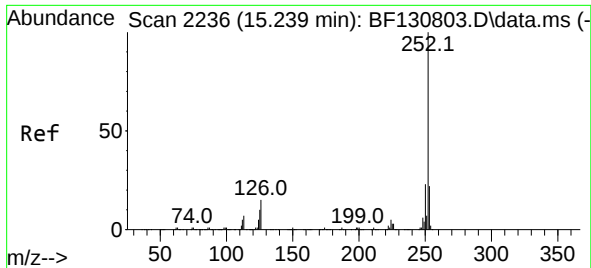


#88
 Benzo(b)fluoranthene
 Concen: 31.453 ng m
 RT: 15.198 min Scan# 2229
 Delta R.T. -0.000 min
 Lab File: BF130879.D
 Acq: 31 Oct 2022 14:58



Tgt Ion:252 Resp: 260492
 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: 8.357 ng m

RT: 15.227 min Scan# 2234

Delta R.T. -0.000 min

Lab File: BF130879.D

Acq: 31 Oct 2022 14:58

Instrument :

BNA_F

ClientSampleId :

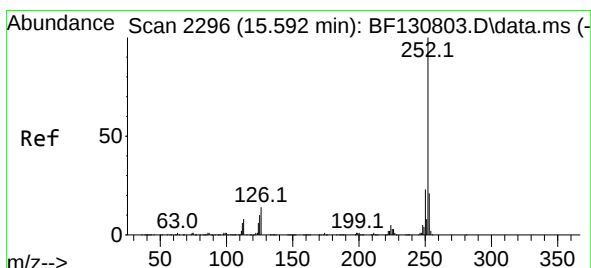
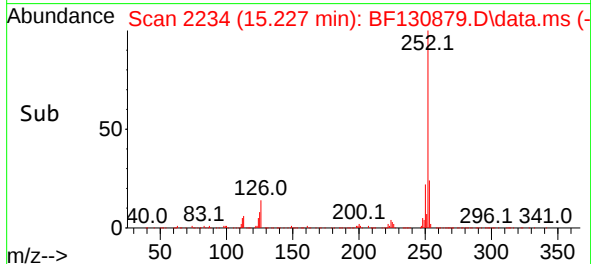
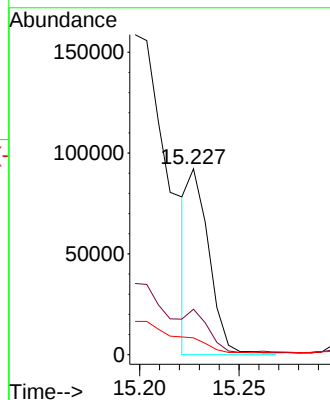
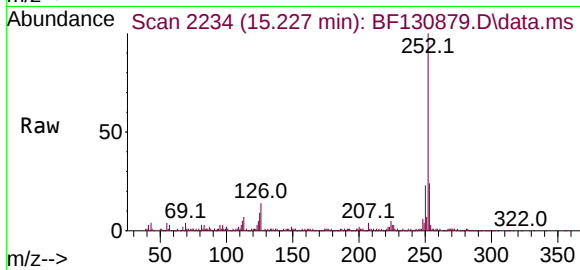
LACY-05

Tgt Ion:252 Resp: 67440
 Ion Ratio Lower Upper
 252 100
 253 24.4 17.5 26.3
 125 9.0 8.0 12.0

Manual Integrations

APPROVED

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



#90

Benzo(a)pyrene

Concen: 22.273 ng

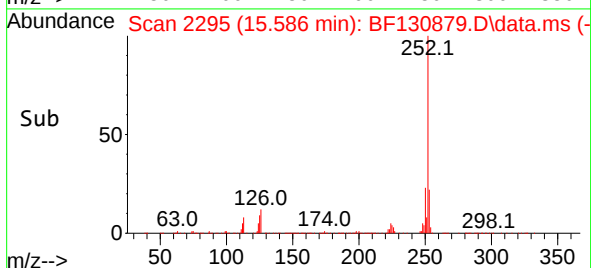
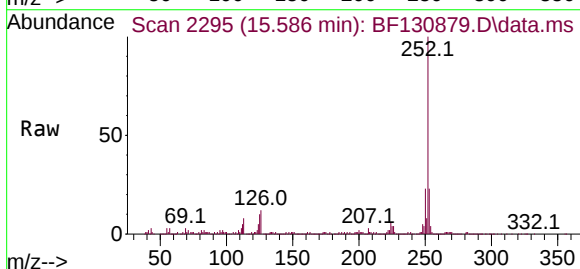
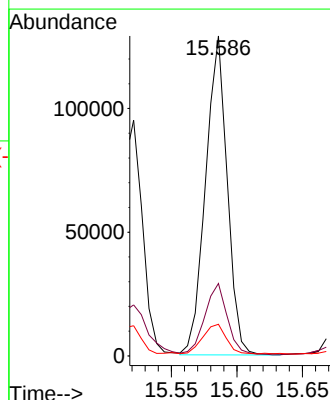
RT: 15.586 min Scan# 2295

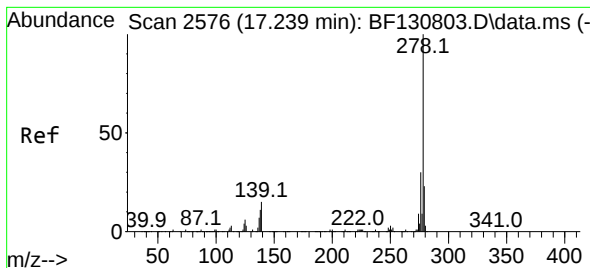
Delta R.T. 0.006 min

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: 3.532 ng m

RT: 17.209 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

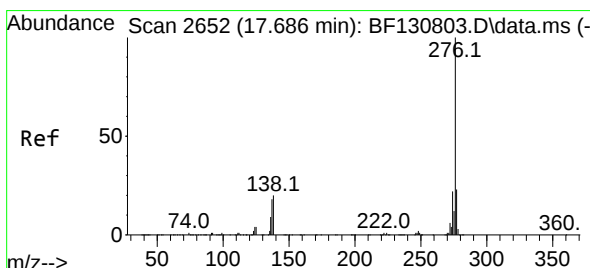
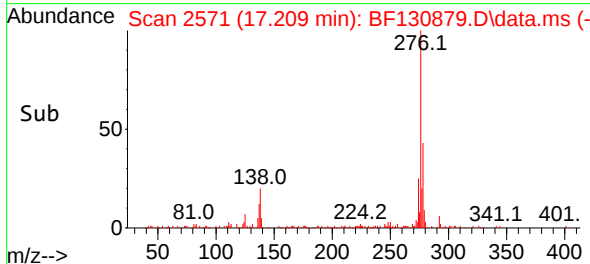
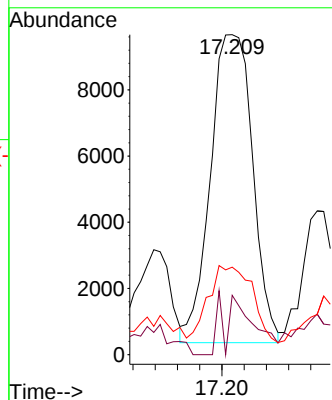
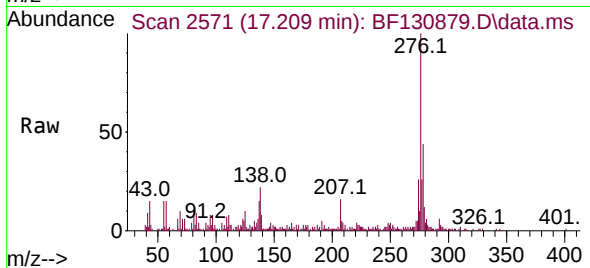
Tgt Ion:	278	Resp:	24494
Ion Ratio	Lower	Upper	
278	100		
139	18.5	11.9	17.9
279	27.3	18.6	28.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/01/2022

Supervised By :Jagrut Upadhyay 11/01/2022



#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

