

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122722\
 Data File : BF131845.D
 Acq On : 27 Dec 2022 19:32
 Operator : CG\JU
 Sample : N6088-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-27-5B02

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/28/2022
 Supervised By : Jagrut Upadhyay 12/28/2022

Quant Time: Dec 28 00:38:50 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 26 05:13:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	71293	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	252479	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	137134	20.000	ng	0.00
64) Phenanthrene-d10	11.381	188	227824	20.000	ng	0.00
76) Chrysene-d12	14.033	240	131130	20.000	ng	0.00
86) Perylene-d12	15.521	264	150105	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	489020	113.674	ng	0.00
7) Phenol-d6	6.463	99	632029	111.824	ng	0.00
23) Nitrobenzene-d5	7.404	82	448277	70.888	ng	0.00
42) 2,4,6-Tribromophenol	10.681	330	152377	102.269	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	745395	74.452	ng	0.00
79) Terphenyl-d14	12.975	244	589085	75.989	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.745	152	82712	6.395	ng	99
71) Phenanthrene	11.398	178	86164	6.878	ng	99
72) Anthracene	11.451	178	36694	2.994	ng	99
75) Fluoranthene	12.598	202	165065	11.311	ng	99
78) Pyrene	12.827	202	197740	17.991	ng	99
81) Benzo(a)anthracene	14.022	228	128613m	13.547	ng	
83) Chrysene	14.057	228	156419m	17.533	ng	
87) Indeno(1,2,3-cd)pyrene	17.010	276	95852	10.051	ng	99
88) Benzo(b)fluoranthene	15.086	252	180901m	16.436	ng	
89) Benzo(k)fluoranthene	15.110	252	49964m	4.698	ng	
90) Benzo(a)pyrene	15.457	252	155401	18.237	ng	94
91) Dibenzo(a,h)anthracene	17.021	278	32097	4.109	ng	# 88
92) Benzo(g,h,i)perylene	17.468	276	95418	14.446	ng	96

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

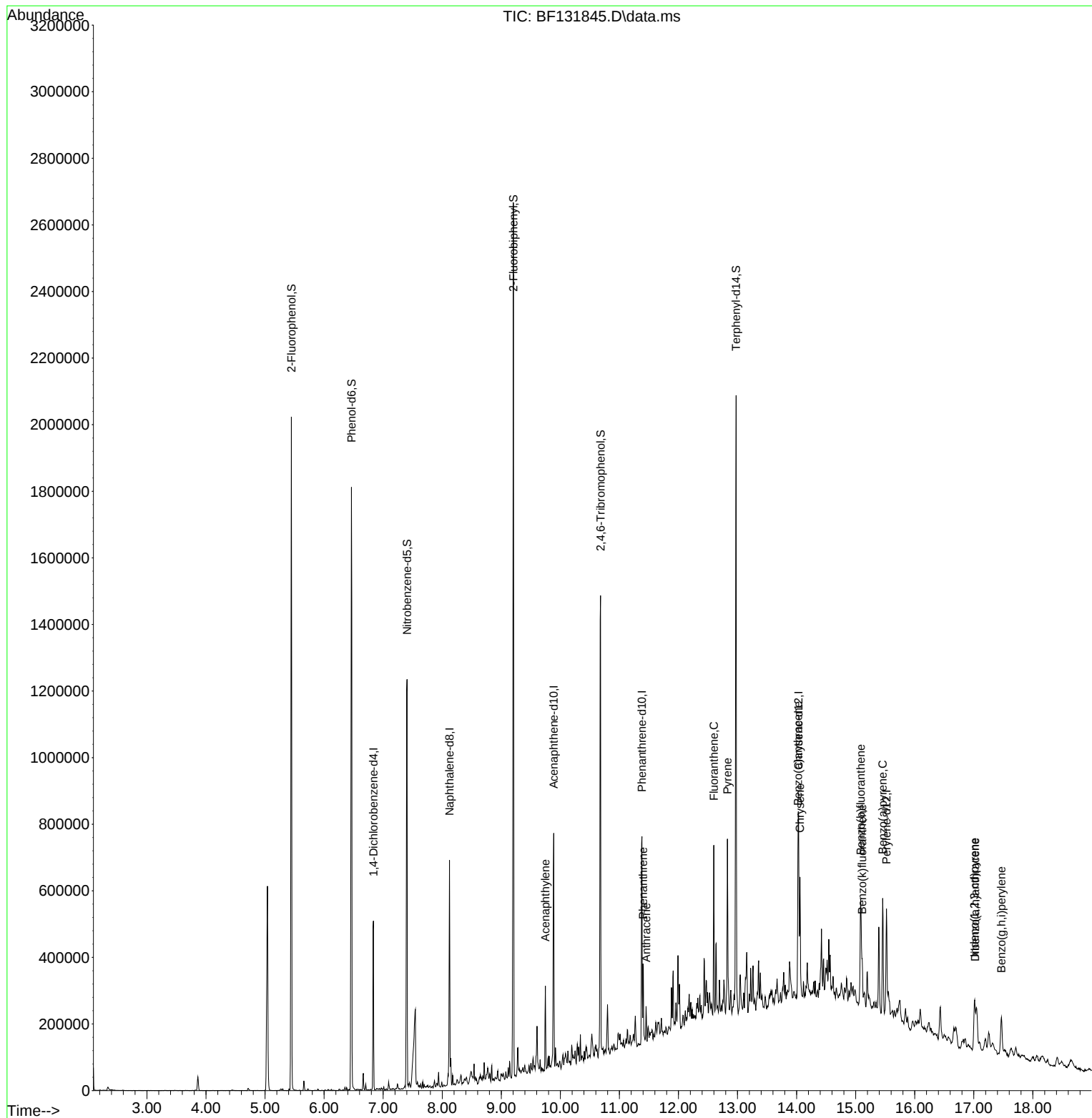
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122722\
Data File : BF131845.D
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ALS Vial : 14 Sample Multiplier: 1

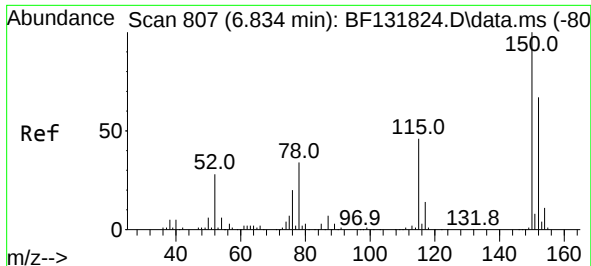
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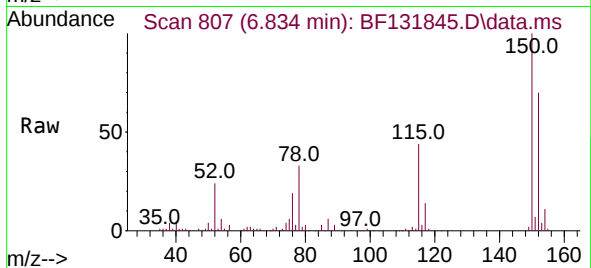
Quant Time: Dec 28 00:38:50 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 26 05:13:34 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 807
Delta R.T. -0.000 min
Lab File: BF131845.D
Acq: 27 Dec 2022 19:32

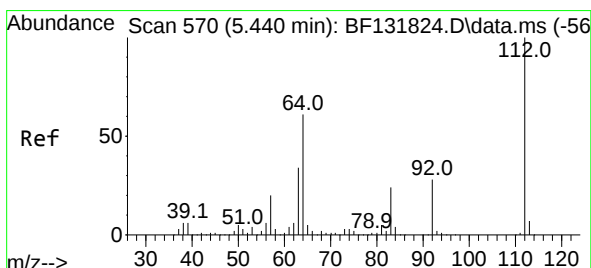
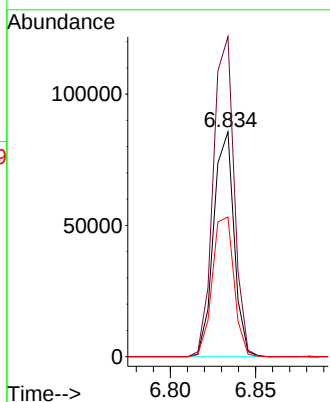
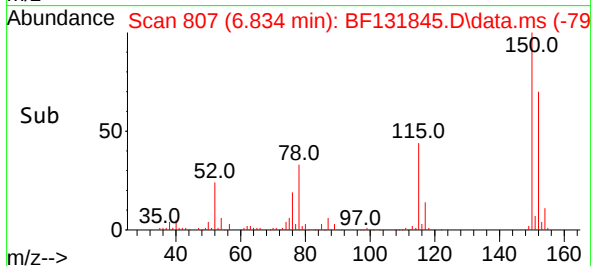
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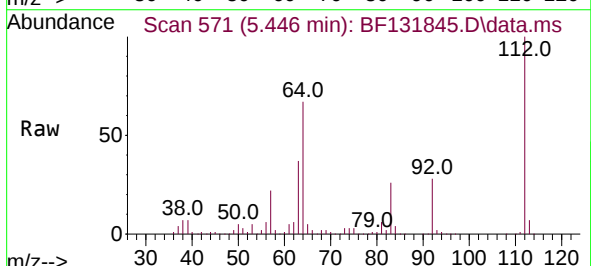
Tgt Ion:152 Resp: 71293
Ion Ratio Lower Upper
152 100
150 142.4 120.0 180.0
115 62.1 55.1 82.7

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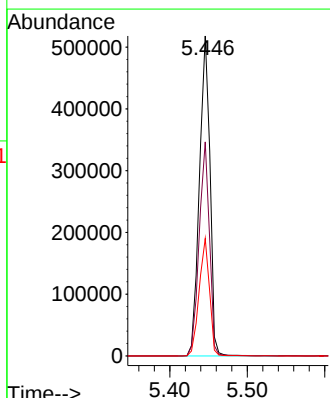
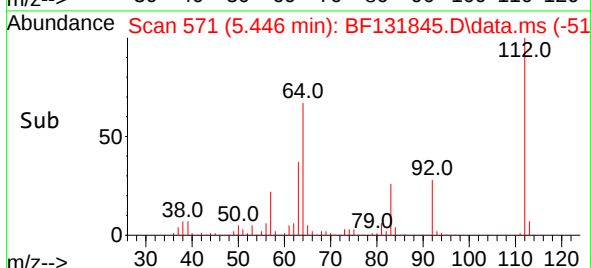
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

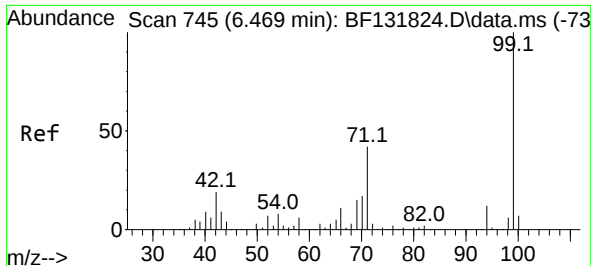


#5
2-Fluorophenol
Concen: 113.674 ng
RT: 5.446 min Scan# 571
Delta R.T. 0.006 min
Lab File: BF131845.D
Acq: 27 Dec 2022 19:32



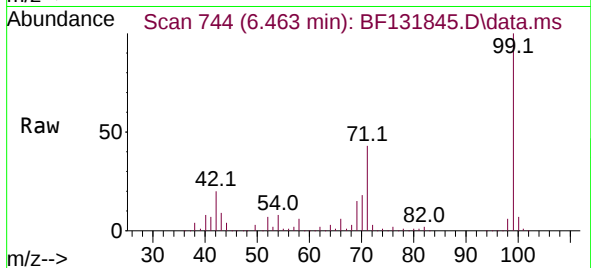
Tgt Ion:112 Resp: 489020
Ion Ratio Lower Upper
112 100
64 66.9 49.2 73.8
63 36.7 27.5 41.3





#7
Phenol-d6
Concen: 111.824 ng
RT: 6.463 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF131845.D
Acq: 27 Dec 2022 19:32

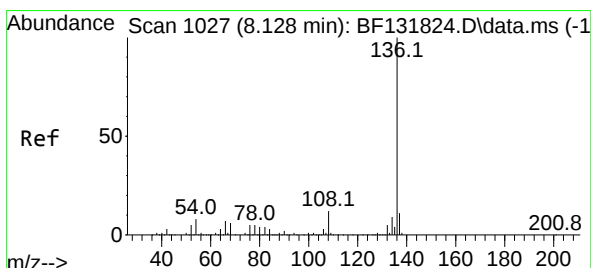
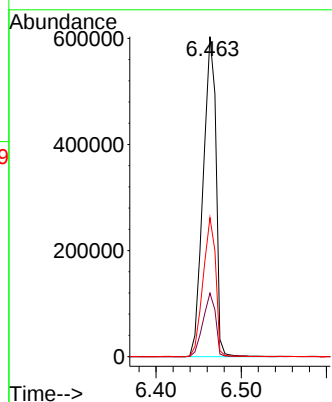
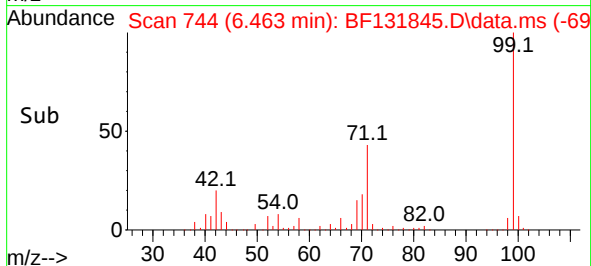
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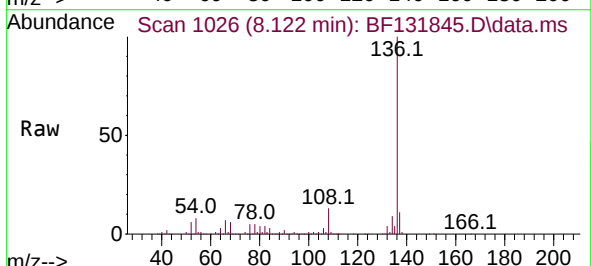
Tgt Ion: 99 Resp: 632029
Ion Ratio Lower Upper
99 100
42 19.9 15.3 22.9
71 43.4 33.5 50.3

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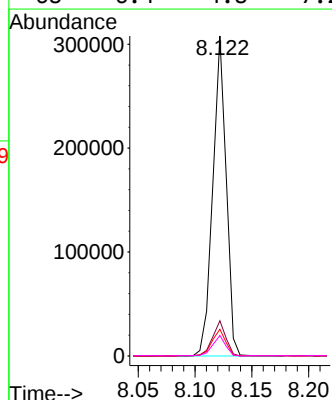
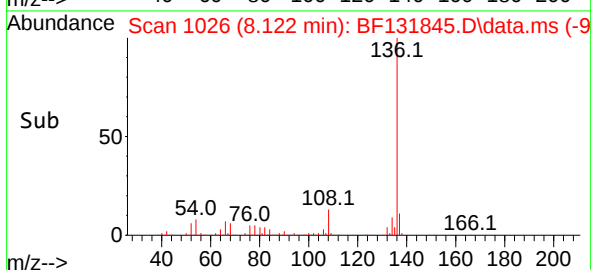
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

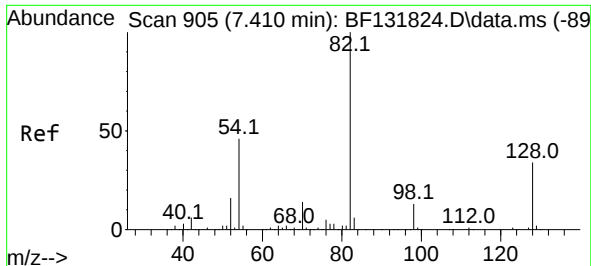


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF131845.D
Acq: 27 Dec 2022 19:32



Tgt Ion:136 Resp: 252479
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 8.3 6.7 10.1
68 6.4 4.8 7.2





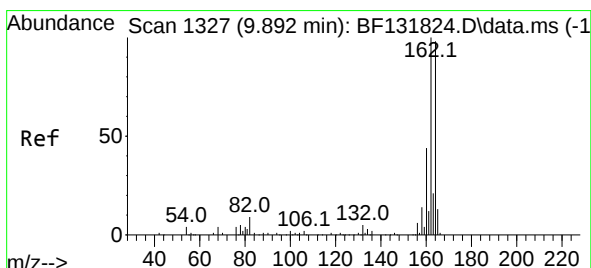
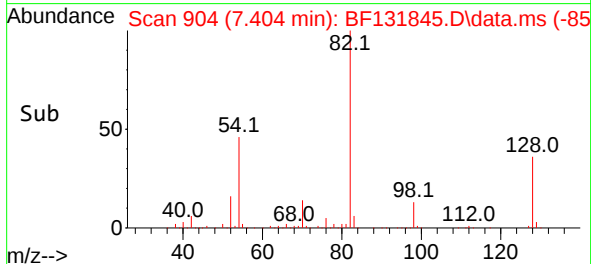
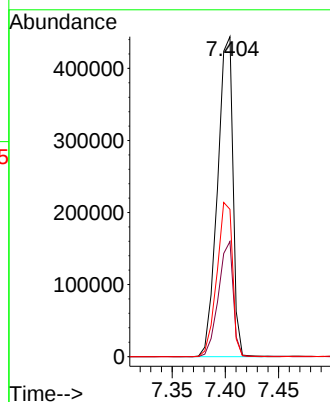
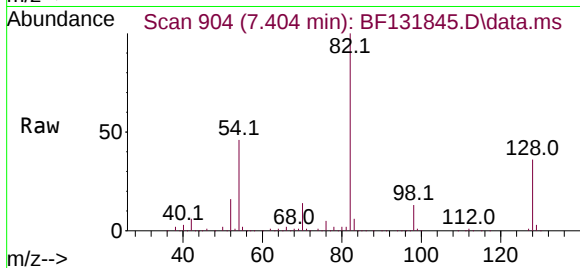
#23
Nitrobenzene-d5
Concen: 70.888 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF131845.D
Acq: 27 Dec 2022 19:32

Instrument :
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ClientSampleId :
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Tgt Ion: 82 Resp: 448272
Ion Ratio Lower Upper
82 100
128 36.0 27.1 40.7
54 46.0 37.0 55.6

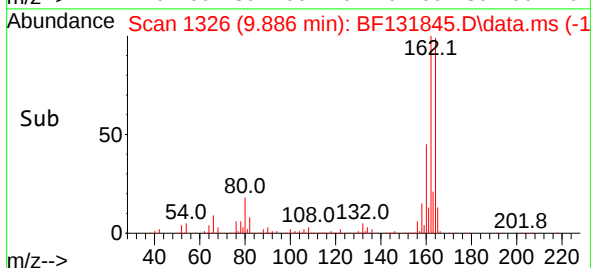
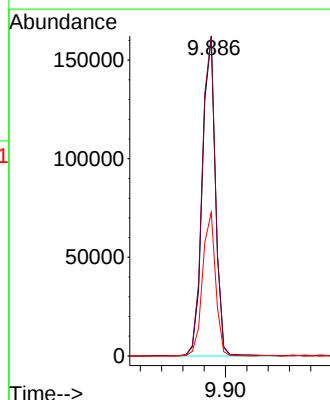
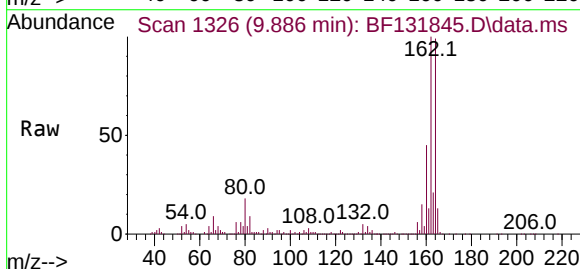
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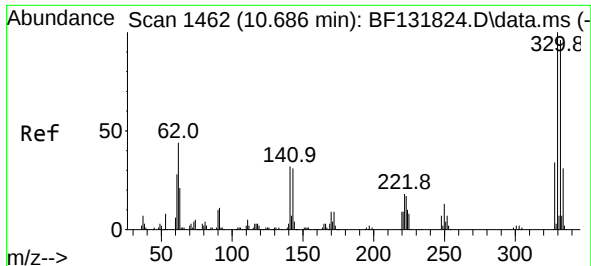
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF131845.D
Acq: 27 Dec 2022 19:32

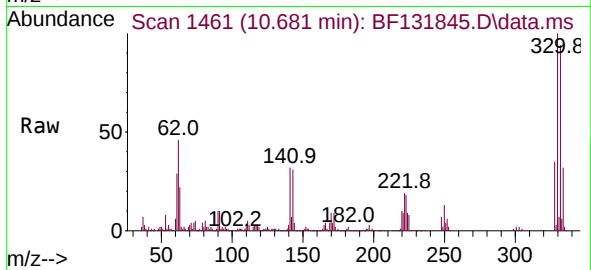
Tgt Ion:164 Resp: 137134
Ion Ratio Lower Upper
164 100
162 100.5 81.8 122.6
160 45.0 35.7 53.5





#42
2,4,6-Tribromophenol
Concen: 102.269 ng
RT: 10.681 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF131845.D
Acq: 27 Dec 2022 19:32

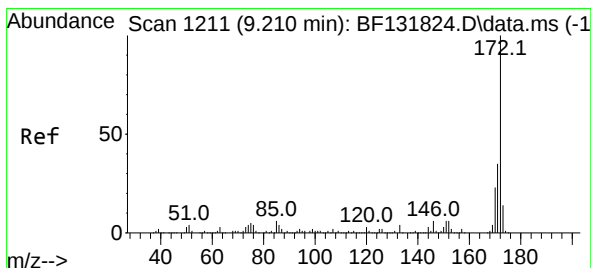
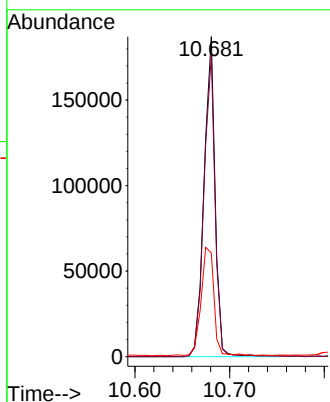
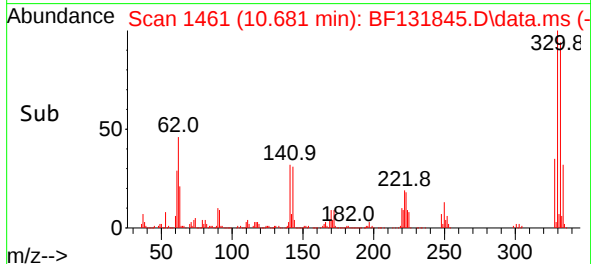
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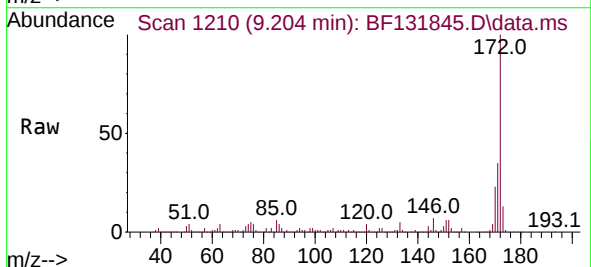
Tgt Ion: 330 Resp: 152372
Ion Ratio Lower Upper
330 100
332 95.1 77.0 115.4
141 39.1 31.0 46.4

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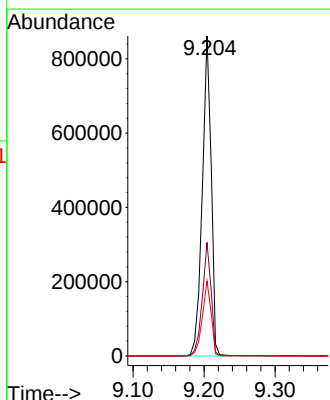
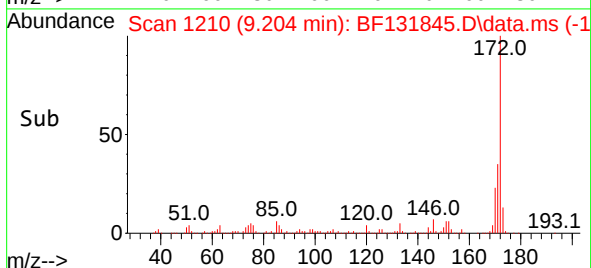
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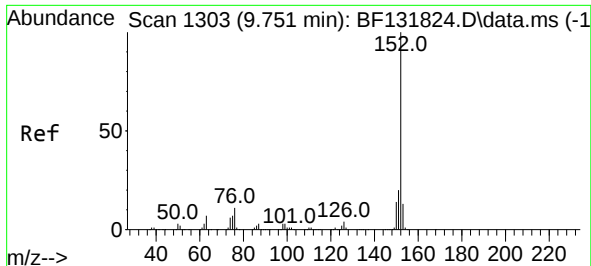


#45
2-Fluorobiphenyl
Concen: 74.452 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.006 min
Lab File: BF131845.D
Acq: 27 Dec 2022 19:32



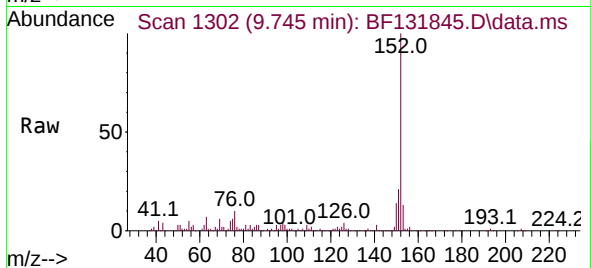
Tgt Ion: 172 Resp: 745395
Ion Ratio Lower Upper
172 100
171 35.5 27.9 41.9
170 23.4 18.7 28.1





#49
Acenaphthylene
Concen: 6.395 ng
RT: 9.745 min Scan# 1303
Delta R.T. -0.006 min
Lab File: BF131845.D
Acq: 27 Dec 2022 19:32

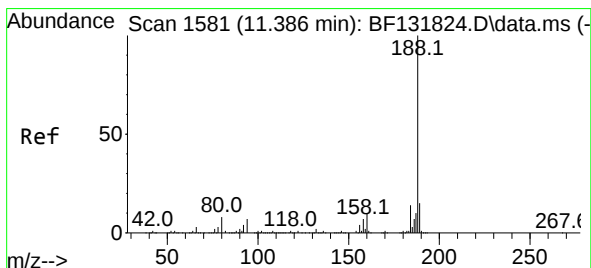
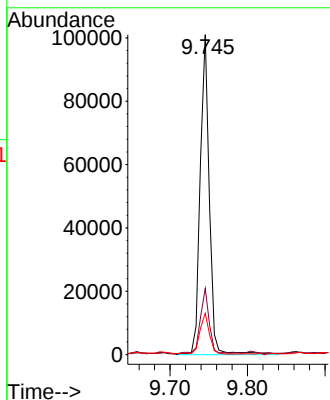
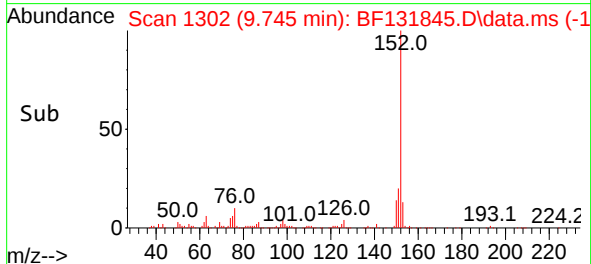
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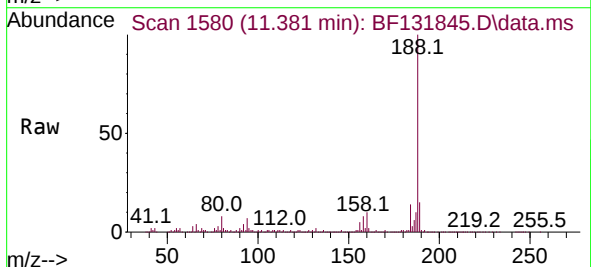
Tgt Ion:152 Resp: 82712
Ion Ratio Lower Upper
152 100
151 20.7 15.8 23.6
153 12.9 10.2 15.4

Manual Integrations
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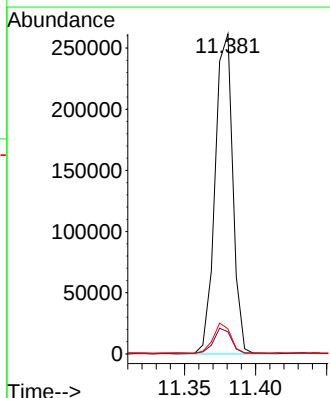
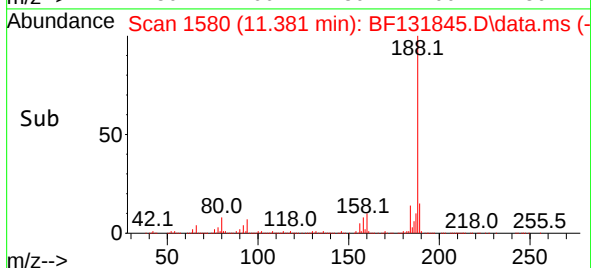
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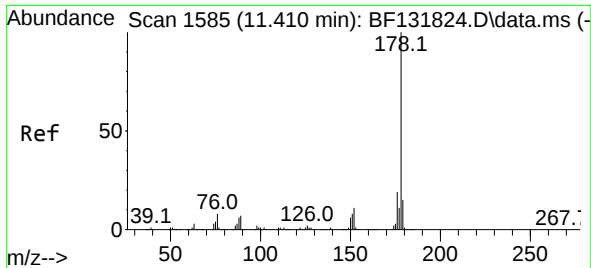


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.381 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF131845.D
Acq: 27 Dec 2022 19:32



Tgt Ion:188 Resp: 227824
Ion Ratio Lower Upper
188 100
94 6.9 5.8 8.6
80 7.8 6.7 10.1





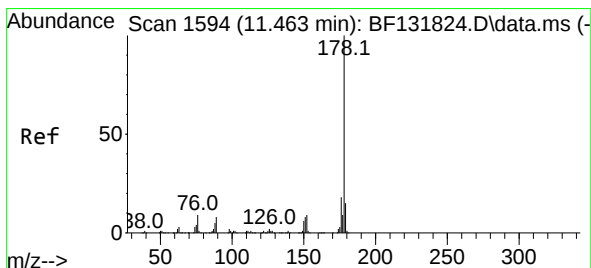
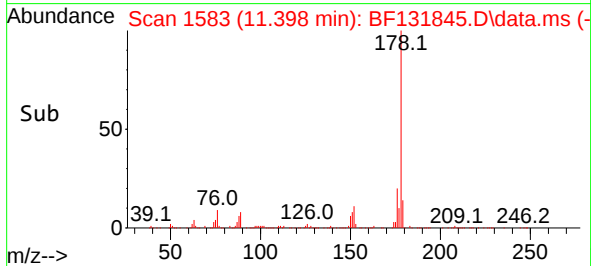
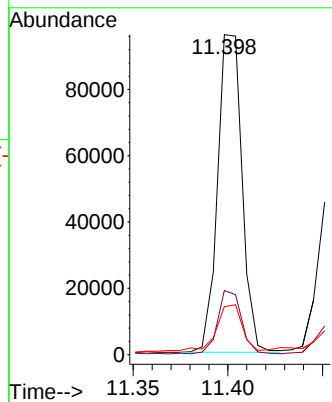
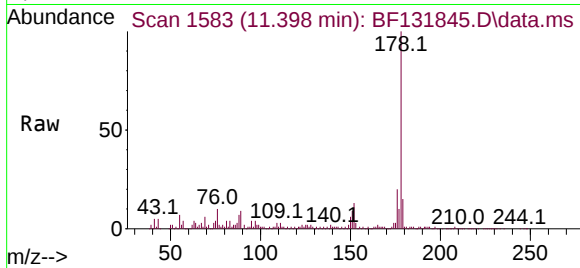
#71
Phenanthrene
Concen: 6.878 ng
RT: 11.398 min Scan# 1585
Delta R.T. -0.012 min
Lab File: BF131845.D
Acq: 27 Dec 2022 19:32

Instrument :
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Tgt Ion:178 Resp: 86164
Ion Ratio Lower Upper
178 100
176 20.0 15.5 23.3
179 15.0 12.2 18.4

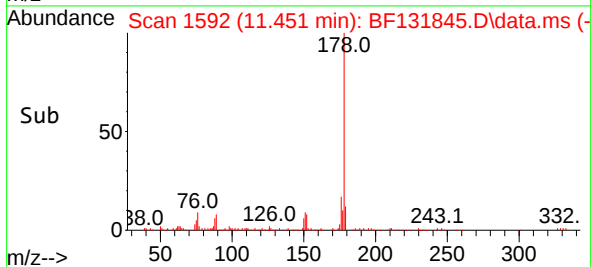
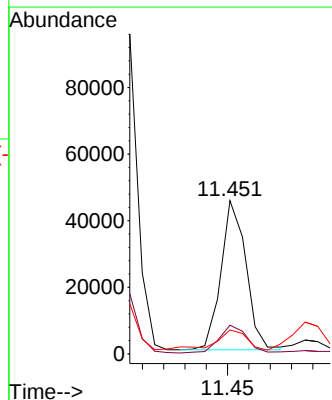
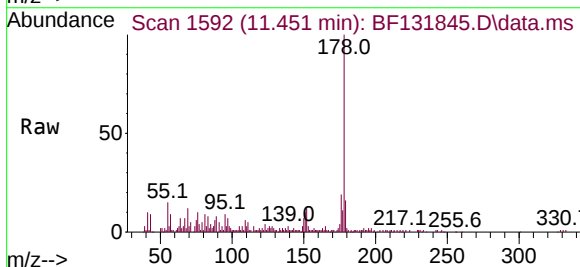
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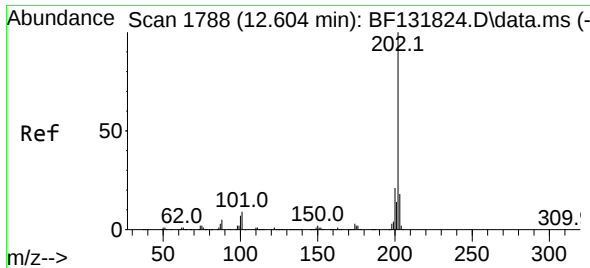
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022



#72
Anthracene
Concen: 2.994 ng
RT: 11.451 min Scan# 1592
Delta R.T. -0.012 min
Lab File: BF131845.D
Acq: 27 Dec 2022 19:32

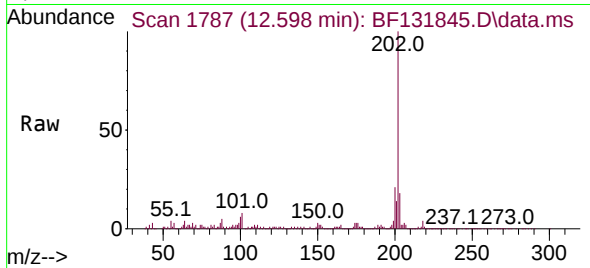
Tgt Ion:178 Resp: 36694
Ion Ratio Lower Upper
178 100
176 18.7 14.8 22.2
179 15.6 12.2 18.2





#75
Fluoranthene
Concen: 11.311 ng
RT: 12.598 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF131845.D
Acq: 27 Dec 2022 19:32

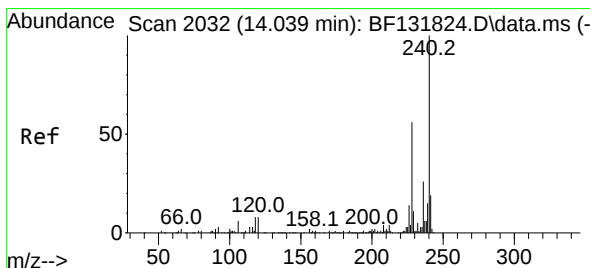
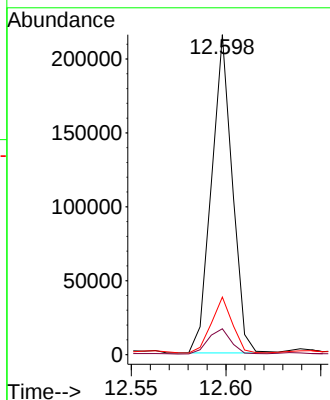
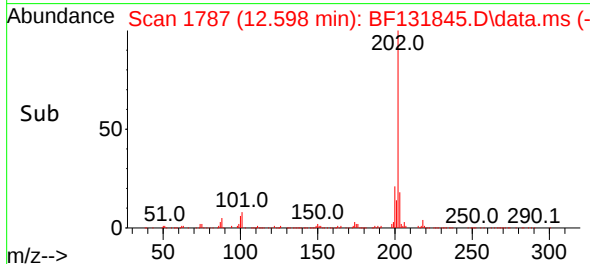
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Tgt Ion:202 Resp: 165065
Ion Ratio Lower Upper
202 100
101 8.1 0.0 28.6
203 18.0 0.0 37.8

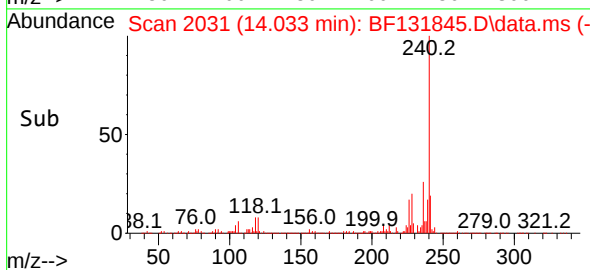
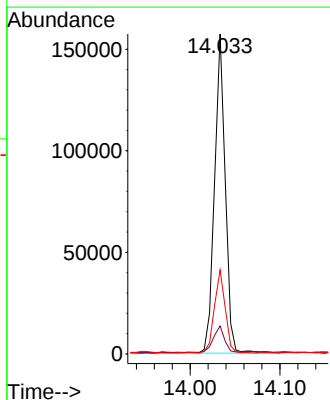
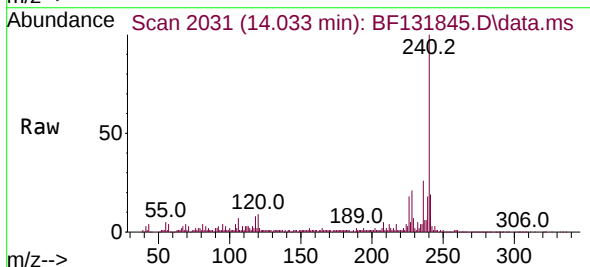
Manual Integrations
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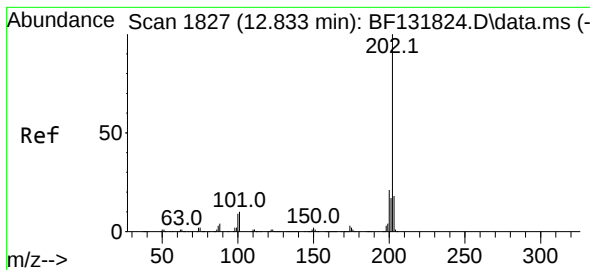
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF131845.D
Acq: 27 Dec 2022 19:32

Tgt Ion:240 Resp: 131130
Ion Ratio Lower Upper
240 100
120 8.7 6.7 10.1
236 26.3 20.6 31.0





#78

Pyrene

Concen: 17.991 ng

RT: 12.827 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF131845.D

Acq: 27 Dec 2022 19:32

Instrument :

BNA_F

ClientSampleId :

B-27-5B02

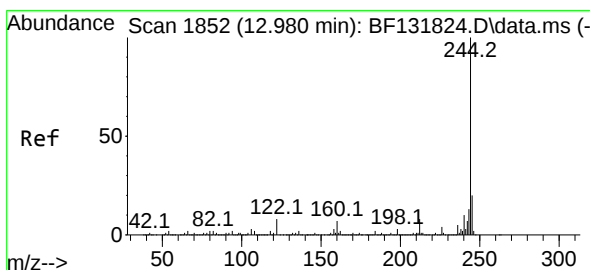
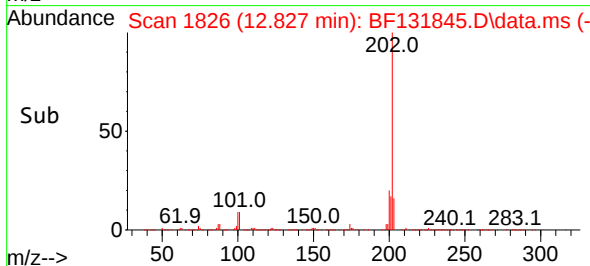
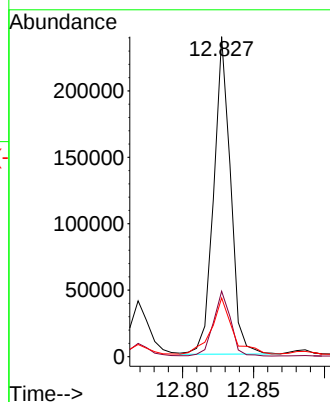
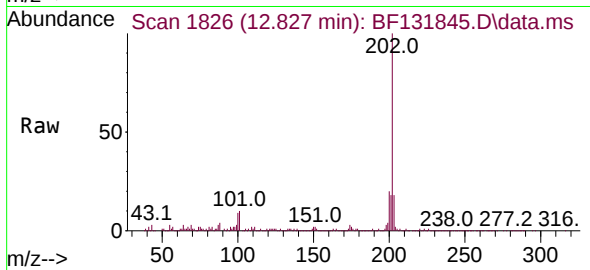
Tgt Ion:	202	Resp:	197740
Ion Ratio	Lower	Upper	
202	100		
200	20.4	16.7	25.1
203	18.3	14.4	21.6

Manual Integrations

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Reviewed By :Christian Giraldo 12/28/2022

Supervised By :Jagrut Upadhyay 12/28/2022



#79

Terphenyl-d14

Concen: 75.989 ng

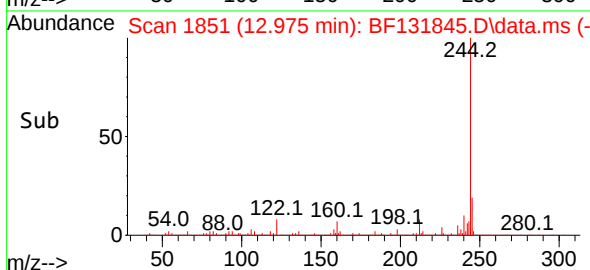
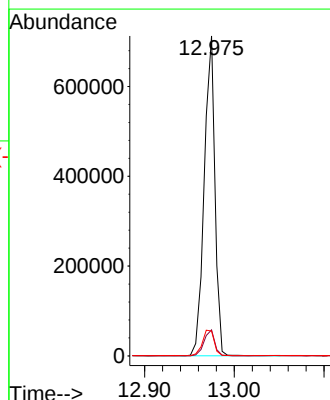
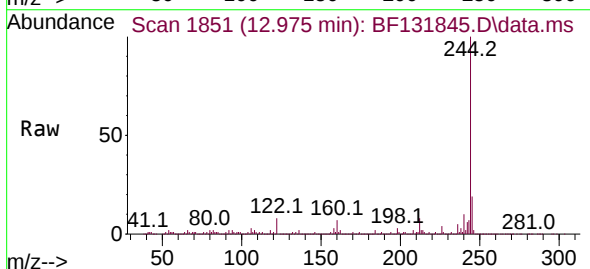
RT: 12.975 min Scan# 1851

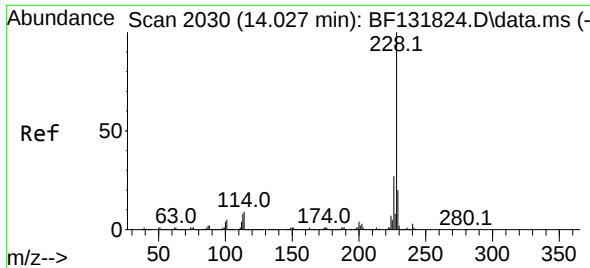
Delta R.T. -0.006 min

Lab File: BF131845.D

Acq: 27 Dec 2022 19:32

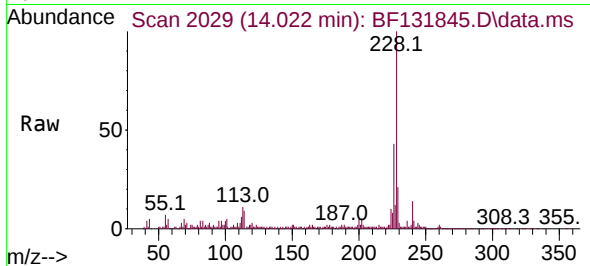
Tgt Ion:	244	Resp:	589085
Ion Ratio	Lower	Upper	
244	100		
212	8.1	6.3	9.5
122	7.8	6.4	9.6





#81
Benzo(a)anthracene
Concen: 13.547 ng m
RT: 14.022 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF131845.D
Acq: 27 Dec 2022 19:32

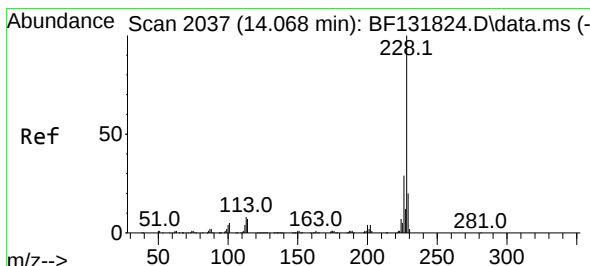
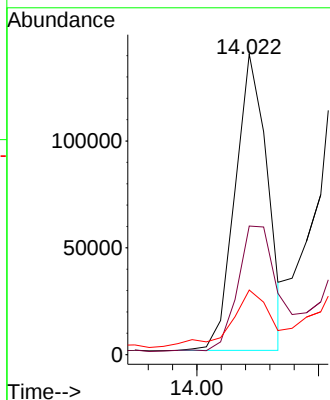
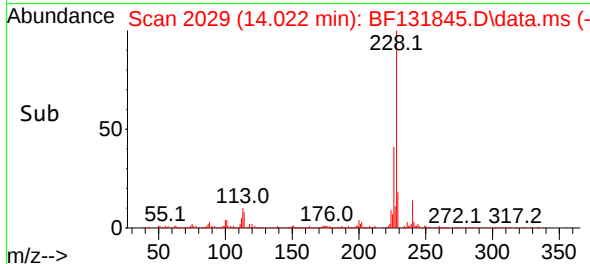
Instrument :
BNA_F
ClientSampleId :
B-27-5B02



Tgt Ion:228 Resp: 128613
Ion Ratio Lower Upper
228 100
226 42.8 22.0 33.0
229 21.5 16.0 24.0

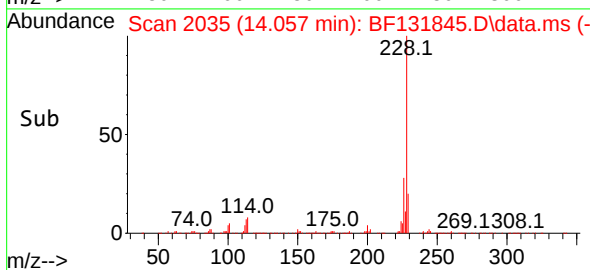
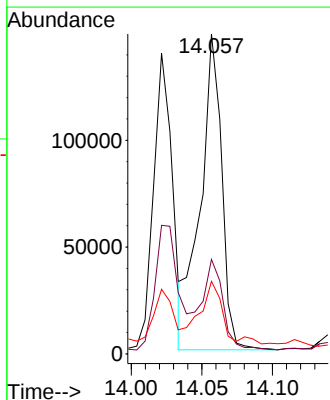
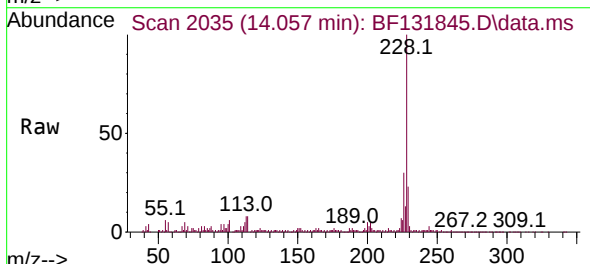
Manual Integrations
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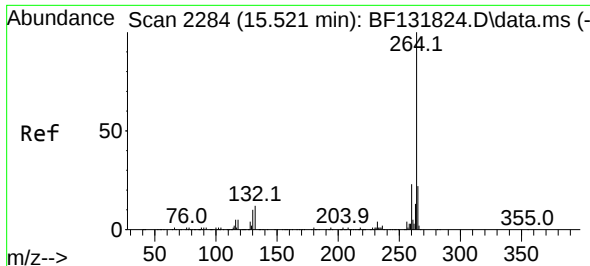
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022



#83
Chrysene
Concen: 17.533 ng m
RT: 14.057 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF131845.D
Acq: 27 Dec 2022 19:32

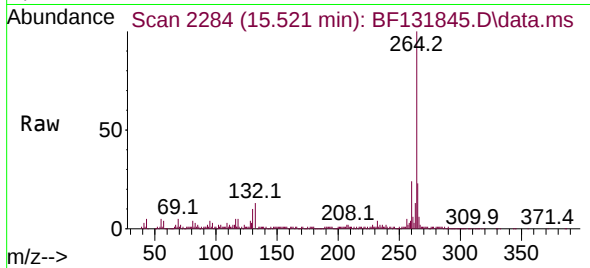
Tgt Ion:228 Resp: 156419
Ion Ratio Lower Upper
228 100
226 29.5 23.5 35.3
229 22.7 16.2 24.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BF131845.D
Acq: 27 Dec 2022 19:32

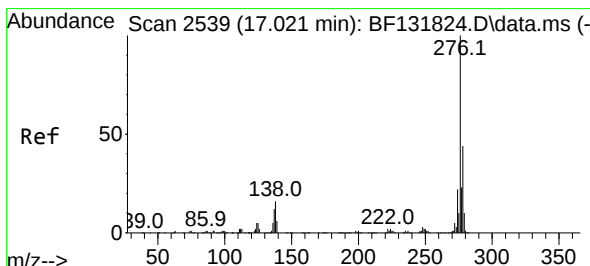
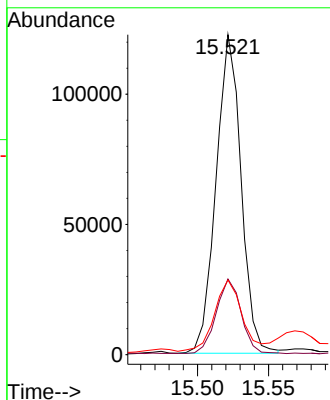
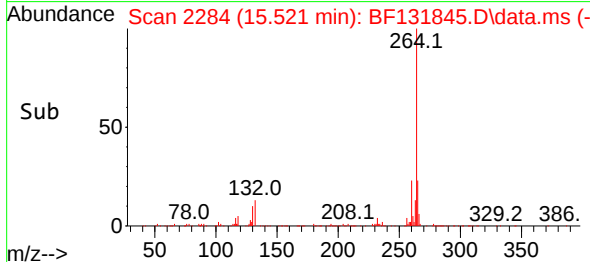
Instrument :
BNA_F
ClientSampleId :
B-27-5B02



Tgt Ion:264 Resp: 150105
Ion Ratio Lower Upper
264 100
260 23.6 18.6 28.0
265 23.3 17.4 26.0

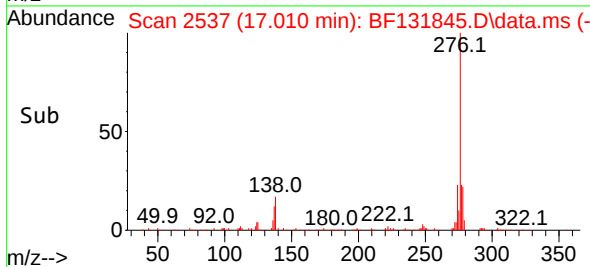
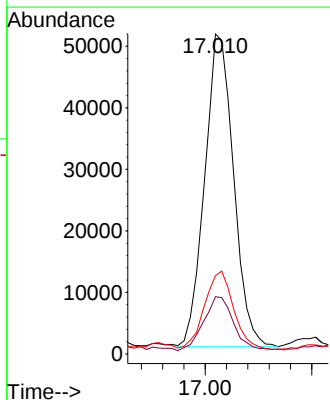
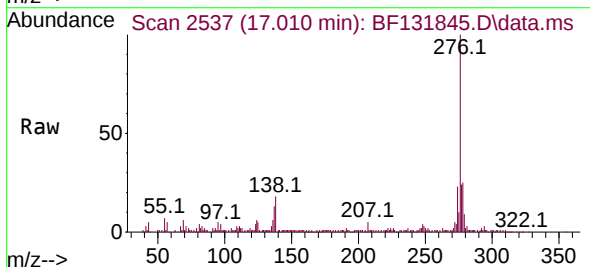
Manual Integrations
APPROVED

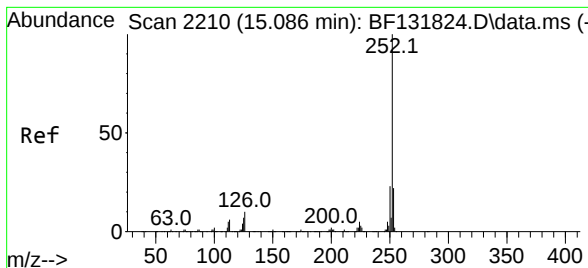
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 10.051 ng
RT: 17.010 min Scan# 2537
Delta R.T. -0.012 min
Lab File: BF131845.D
Acq: 27 Dec 2022 19:32

Tgt Ion:276 Resp: 95852
Ion Ratio Lower Upper
276 100
138 17.8 14.5 21.7
277 25.1 19.7 29.5





#88

Benzo(b)fluoranthene

Concen: 16.436 ng m

RT: 15.086 min Scan# 2210

Delta R.T. 0.000 min

Lab File: BF131845.D

Acq: 27 Dec 2022 19:32

Instrument :

BNA_F

ClientSampleId :

B-27-5B02

Tgt Ion:252 Resp: 18090

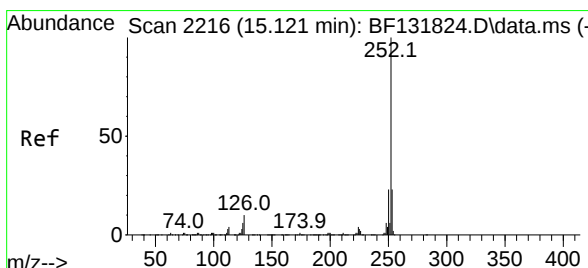
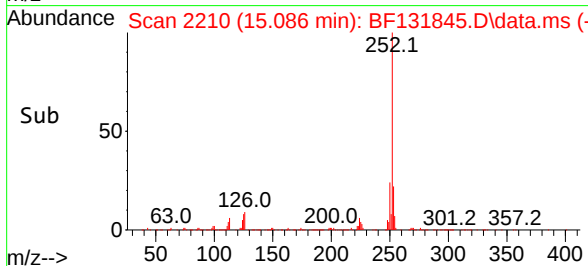
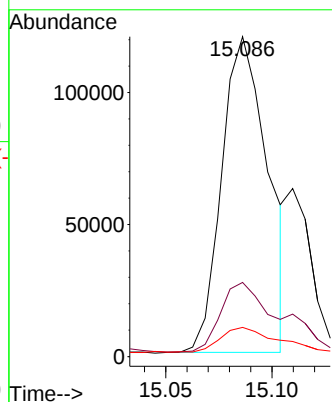
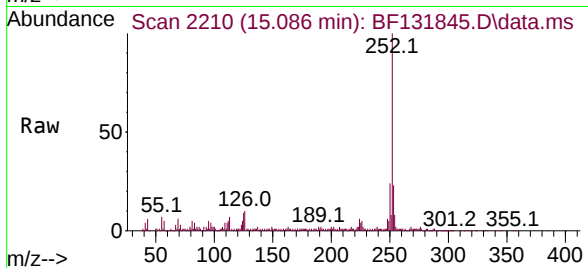
Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.6	26.4
125	9.1	5.8	8.8

Manual Integrations

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Reviewed By :Christian Giraldo 12/28/2022

Supervised By :Jagrut Upadhyay 12/28/2022



#89

Benzo(k)fluoranthene

Concen: 4.698 ng m

RT: 15.110 min Scan# 2214

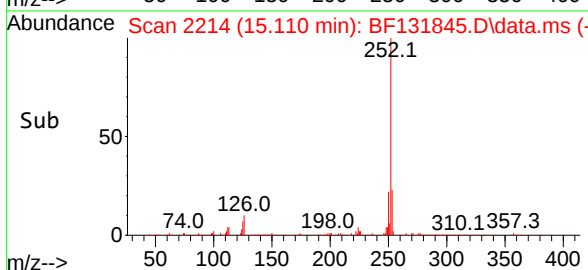
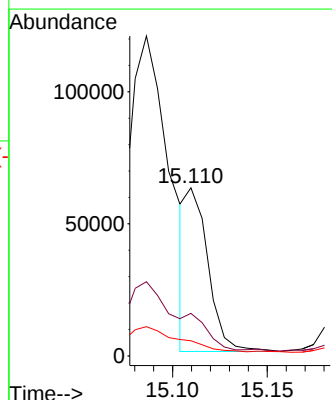
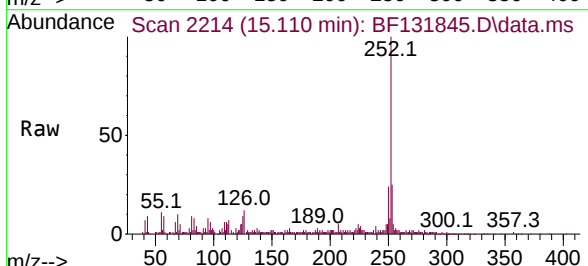
Delta R.T. -0.012 min

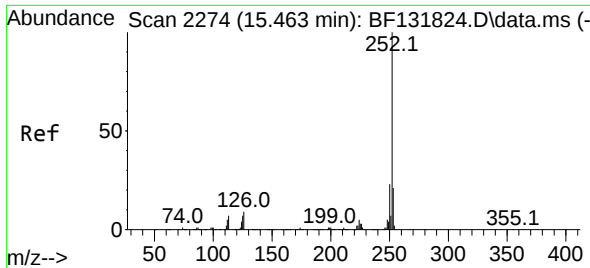
Lab File: BF131845.D

Acq: 27 Dec 2022 19:32

Tgt Ion:252 Resp: 49964

Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.7	26.5
125	9.0	5.4	8.0





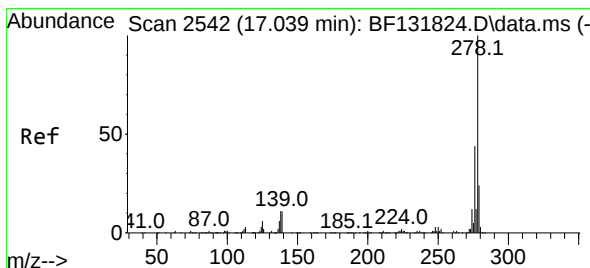
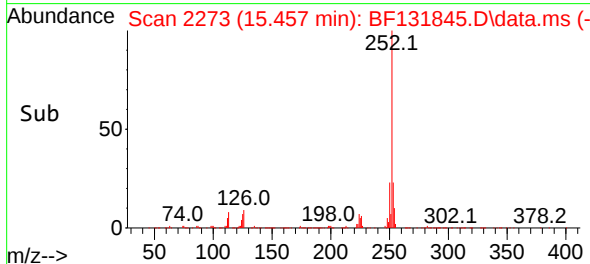
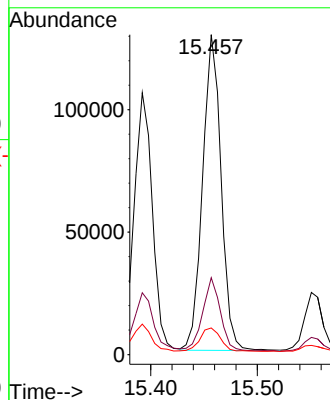
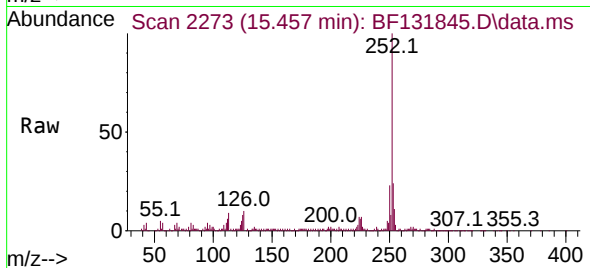
#90
Benzo(a)pyrene
Concen: 18.237 ng
RT: 15.457 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF131845.D
Acq: 27 Dec 2022 19:32

Instrument :
BNA_F
ClientSampleId :
B-27-5B02

Tgt Ion:252 Resp: 155401
Ion Ratio Lower Upper
252 100
253 24.0 16.6 24.8
125 8.3 5.8 8.8

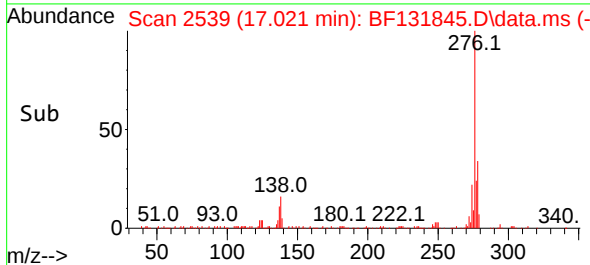
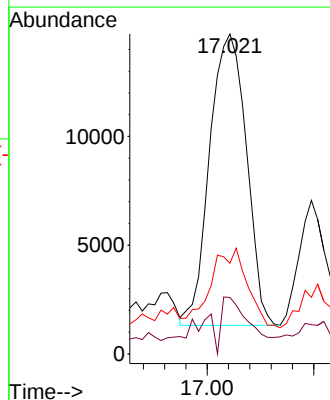
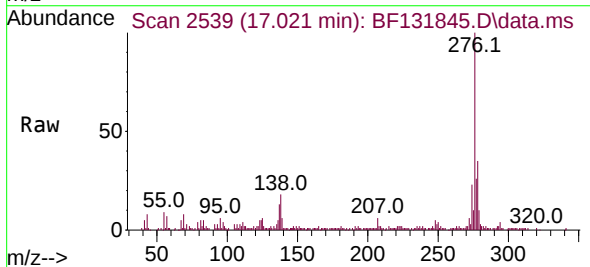
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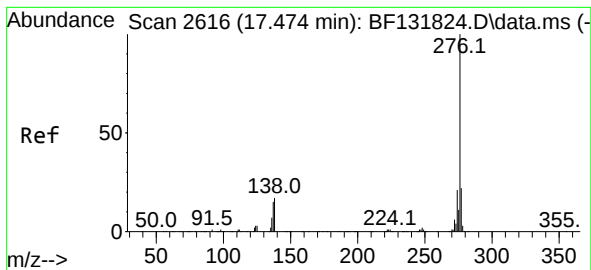
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022



#91
Dibenzo(a,h)anthracene
Concen: 4.109 ng
RT: 17.021 min Scan# 2539
Delta R.T. -0.018 min
Lab File: BF131845.D
Acq: 27 Dec 2022 19:32

Tgt Ion:278 Resp: 32097
Ion Ratio Lower Upper
278 100
139 17.6 8.6 12.8#
279 28.3 19.0 28.4





#92

Benzo(g,h,i)perylene

Concen: 14.446 ng

RT: 17.468 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF131845.D

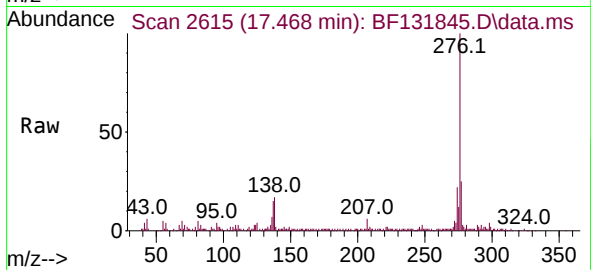
Acq: 27 Dec 2022 19:32

Instrument :

BNA_F

ClientSampleId :

B-27-5B02



Tgt Ion:276 Resp: 95418

Ion Ratio Lower Upper

276 100

277 25.4 17.9 26.9

138 17.1 13.7 20.5

Manual Integrations

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Reviewed By :Christian Giraldo 12/28/2022

Supervised By :Jagrut Upadhyay 12/28/2022

