

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071222\
 Data File : BF129195.D
 Acq On : 12 Jul 2022 18:18
 Operator : CG\JU
 Sample : N3648-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CMR-TP1-0708

Quant Time: Jul 12 18:39:45 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 12 14:13:54 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/13/2022
 Supervised By : Jagrut Upadhyay 07/13/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	321418	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	971583	20.000	ng	0.00
39) Acenaphthene-d10	9.975	164	435460	20.000	ng	0.00
64) Phenanthrene-d10	11.463	188	632935	20.000	ng	# 0.00
76) Chrysene-d12	14.110	240	535246	20.000	ng	#-0.01
86) Perylene-d12	15.627	264	515943	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	2062142	108.467	ng	0.00
7) Phenol-d6	6.563	99	2612368	110.638	ng	0.00
23) Nitrobenzene-d5	7.498	82	1645709	101.032	ng	0.00
42) 2,4,6-Tribromophenol	10.763	330	486647	102.777	ng	-0.01
45) 2-Fluorobiphenyl	9.292	172	2276018	83.616	ng	0.00
79) Terphenyl-d14	13.051	244	1828460	70.940	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.240	128	577292	13.088	ng	99
37) 2-Methylnaphthalene	8.928	142	250150	8.428	ng	99
38) 1-Methylnaphthalene	9.028	142	149681	5.193	ng	97
71) Phenanthrene	11.486	178	96324	3.185	ng	99
75) Fluoranthene	12.680	202	145681	4.606	ng	98
78) Pyrene	12.910	202	181575	4.894	ng	98
81) Benzo(a)anthracene	14.098	228	150736	4.612	ng	96
83) Chrysene	14.139	228	147412m	4.859	ng	
87) Indeno(1,2,3-cd)pyrene	17.157	276	110230	3.483	ng	97
88) Benzo(b)fluoranthene	15.174	252	275508m	8.879	ng	
89) Benzo(k)fluoranthene	15.204	252	95348m	3.168	ng	
90) Benzo(a)pyrene	15.557	252	216315	8.552	ng	# 96
92) Benzo(g,h,i)perylene	17.627	276	106169	4.102	ng	97

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

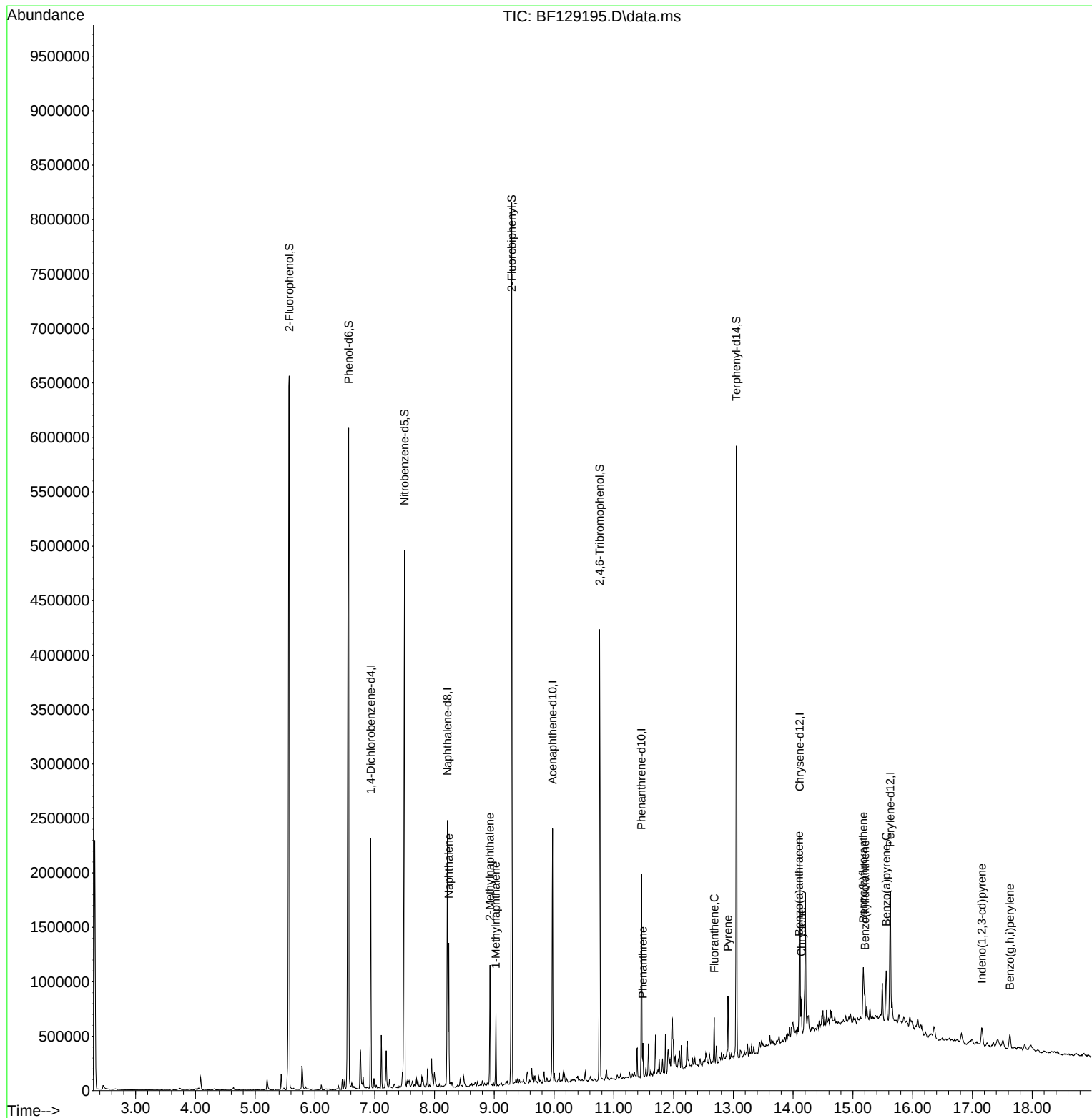
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071222\
Data File : BF129195.D
Acq On : 12 Jul 2022 18:18
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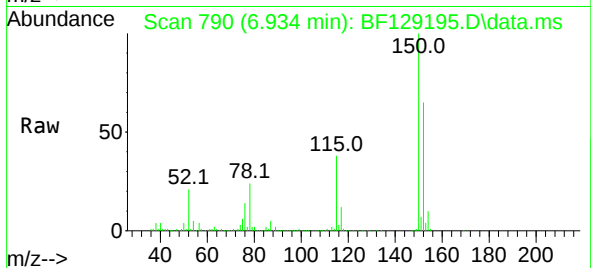
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Supervised By : Jagrut Upadhyay 07/13/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 795
Delta R.T. -0.005 min
Lab File: BF129195.D
Acq: 12 Jul 2022 18:18

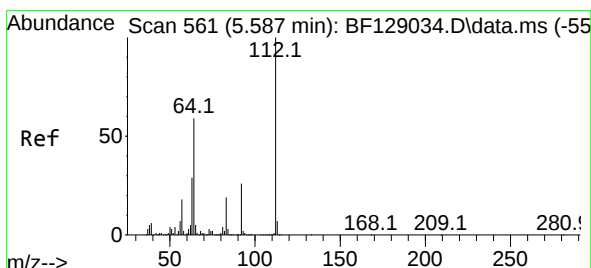
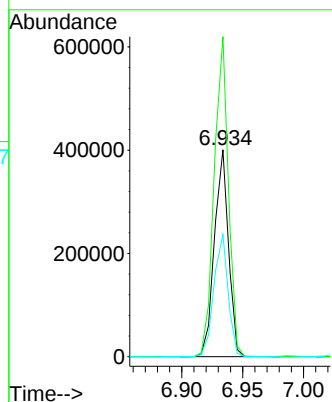
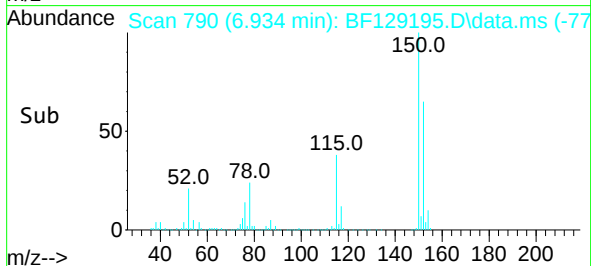
Instrument :
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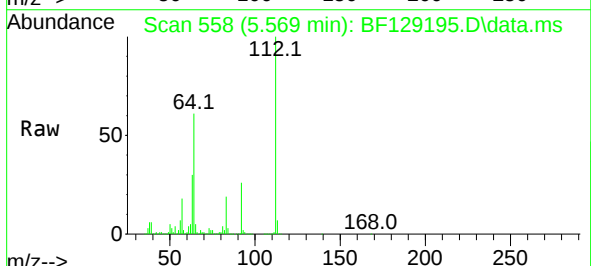
Tgt Ion:152 Resp: 321418
Ion Ratio Lower Upper
152 100
150 154.7 123.7 185.5
115 59.1 49.9 74.9

Manual Integrations
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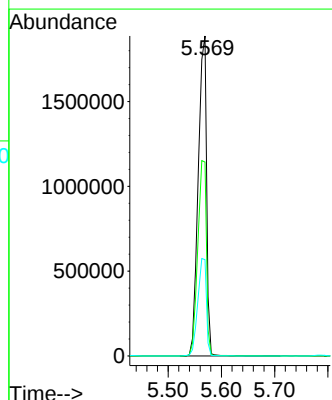
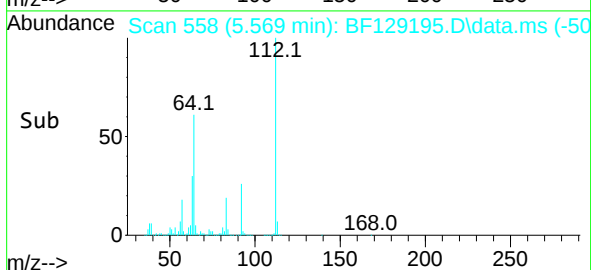
Reviewed By :Christian Giraldo 07/13/2022
Supervised By :Jagrut Upadhyay 07/13/2022

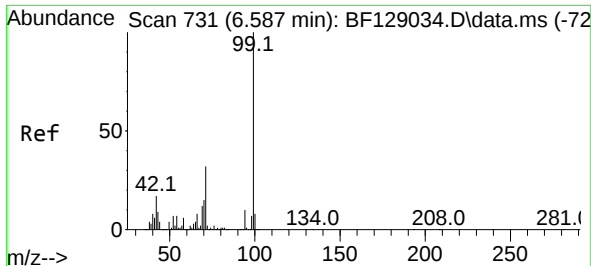


#5
2-Fluorophenol
Concen: 108.467 ng
RT: 5.569 min Scan# 558
Delta R.T. 0.006 min
Lab File: BF129195.D
Acq: 12 Jul 2022 18:18



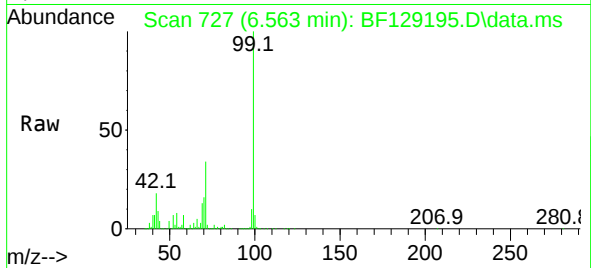
Tgt Ion:112 Resp: 2062142
Ion Ratio Lower Upper
112 100
64 60.6 53.3 79.9
63 30.1 28.0 42.0





#7
Phenol-d6
Concen: 110.638 ng
RT: 6.563 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF129195.D
Acq: 12 Jul 2022 18:18

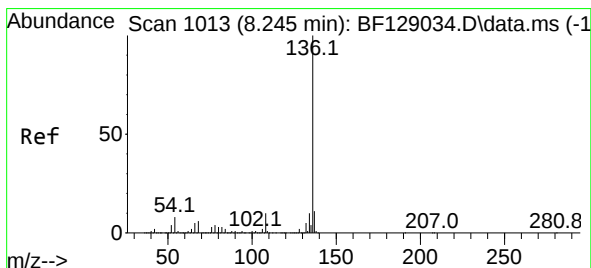
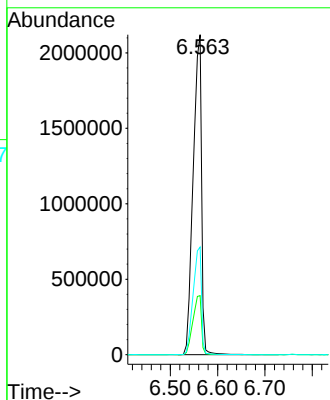
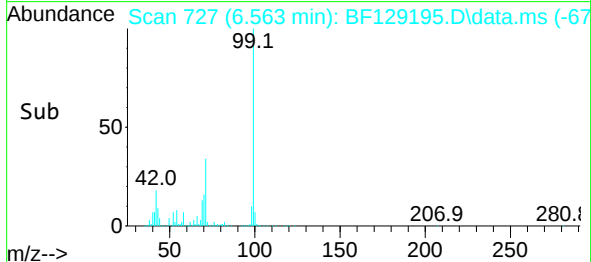
Instrument :
BNA_F
ClientSampleId :
CMR-TP1-0708



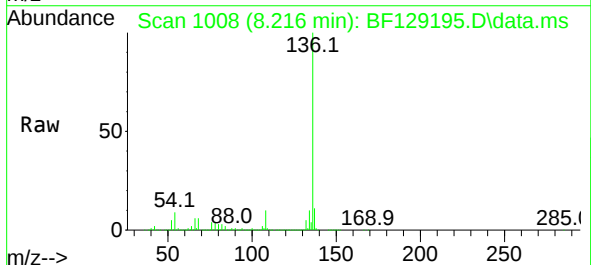
Tgt Ion: 99 Resp: 261236
Ion Ratio Lower Upper
99 100
42 18.4 17.3 25.9
71 33.7 28.9 43.3

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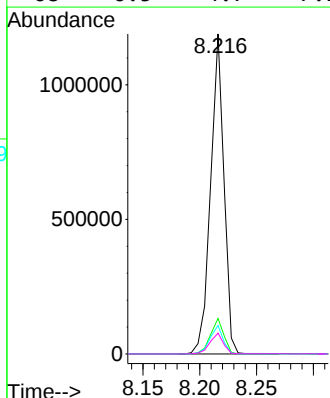
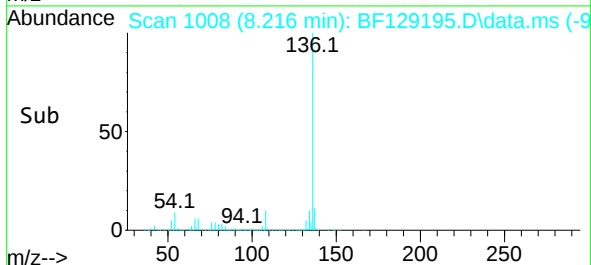
Reviewed By :Christian Giraldo 07/13/2022
Supervised By :Jagrut Upadhyay 07/13/2022

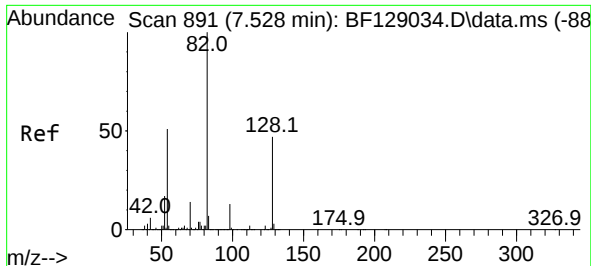


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.216 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF129195.D
Acq: 12 Jul 2022 18:18



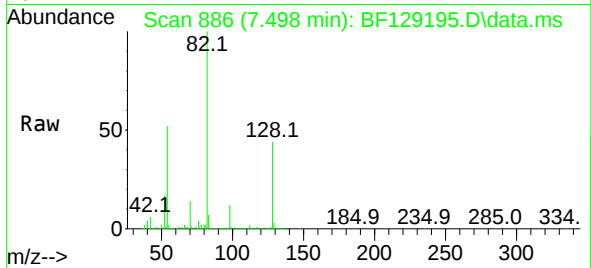
Tgt Ion:136 Resp: 971583
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.9 7.5 11.3
68 6.5 4.7 7.1





#23
Nitrobenzene-d5
Concen: 101.032 ng
RT: 7.498 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF129195.D
Acq: 12 Jul 2022 18:18

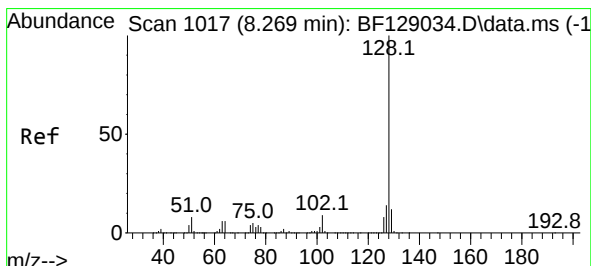
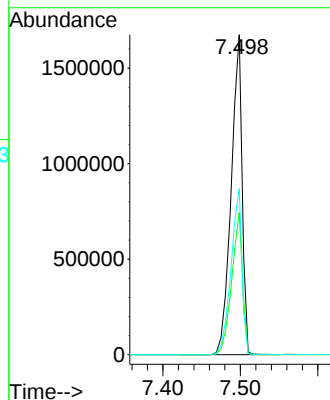
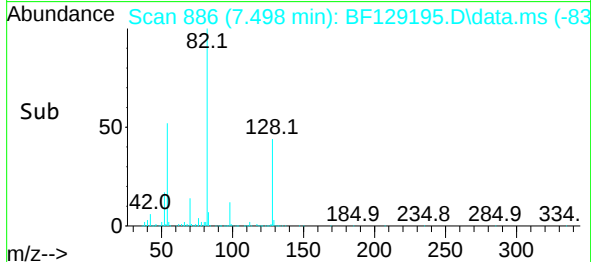
Instrument :
BNA_F
ClientSampleId :
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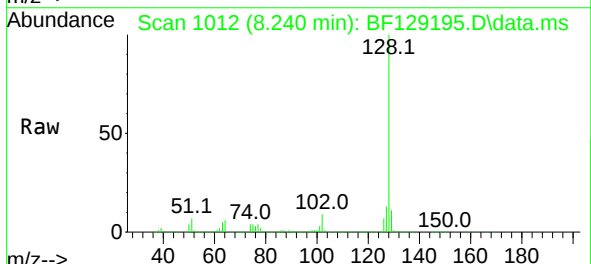
Tgt Ion: 82 Resp: 1645709
Ion Ratio Lower Upper
82 100
128 44.4 34.0 51.0
54 51.9 46.9 70.3

Manual Integrations
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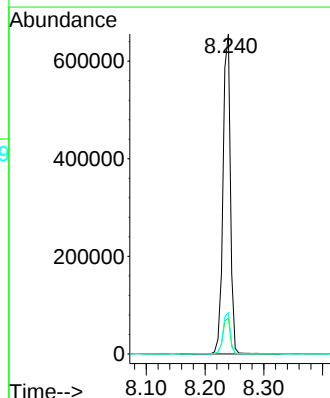
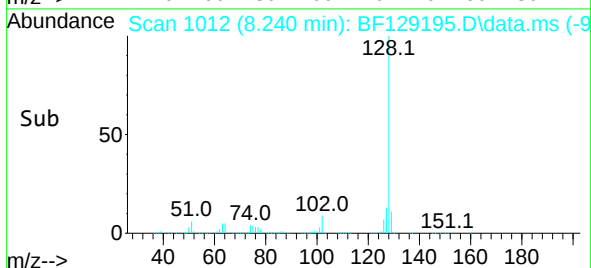
Reviewed By :Christian Giraldo 07/13/2022
Supervised By :Jagrut Upadhyay 07/13/2022

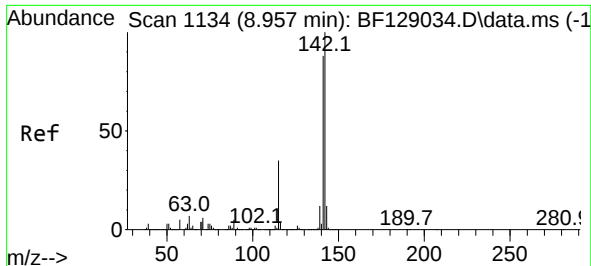


#31
Naphthalene
Concen: 13.088 ng
RT: 8.240 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF129195.D
Acq: 12 Jul 2022 18:18



Tgt Ion:128 Resp: 577292
Ion Ratio Lower Upper
128 100
129 11.1 9.2 13.8
127 12.9 10.5 15.7





#37

2-Methylnaphthalene

Concen: 8.428 ng

RT: 8.928 min Scan# 1145

Delta R.T. -0.006 min

Lab File: BF129195.D

Acq: 12 Jul 2022 18:18

Instrument :

BNA_F

ClientSampleId :

CMR-TP1-0708

Tgt Ion:142 Resp: 250150

Ion Ratio Lower Upper

142 100

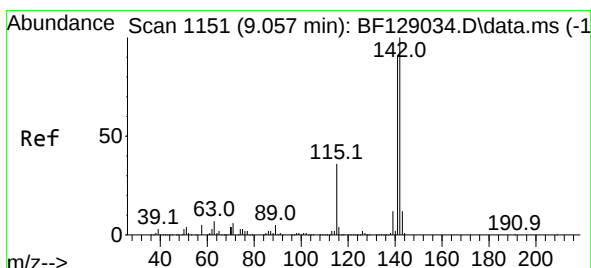
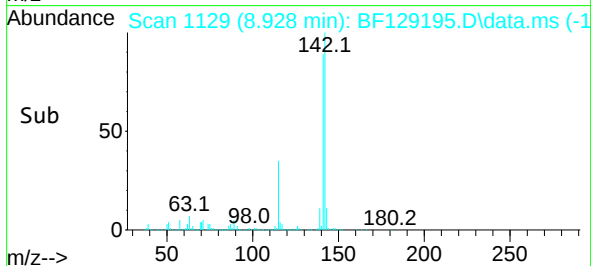
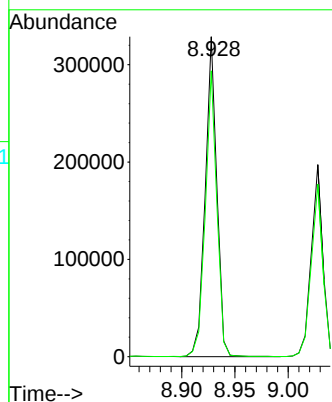
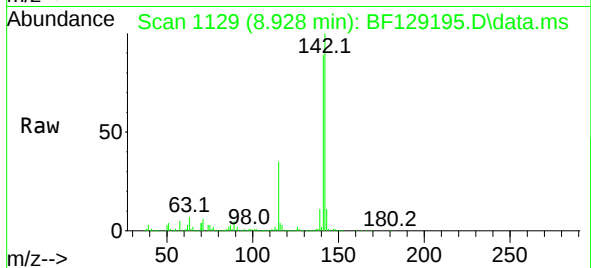
141 89.4 71.0 106.4

Manual Integrations

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Reviewed By :Christian Giraldo 07/13/2022

Supervised By :Jagrut Upadhyay 07/13/2022



#38

1-Methylnaphthalene

Concen: 5.193 ng

RT: 9.028 min Scan# 1146

Delta R.T. -0.006 min

Lab File: BF129195.D

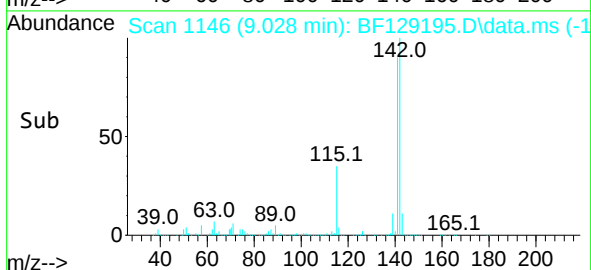
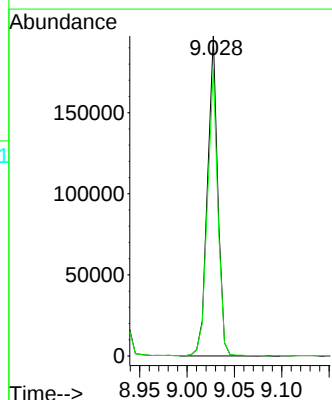
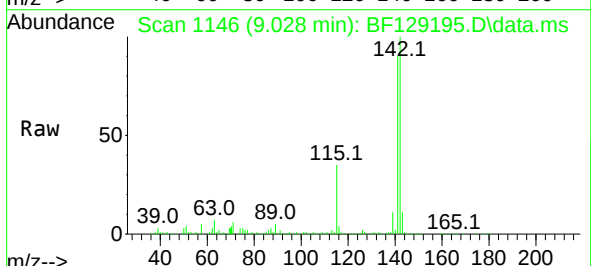
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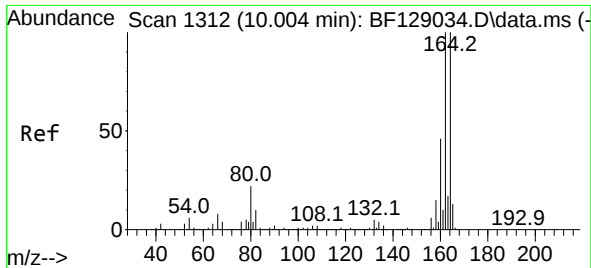
Tgt Ion:142 Resp: 149681

Ion Ratio Lower Upper

142 100

141 89.8 74.2 111.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.975 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129195.D
Acq: 12 Jul 2022 18:18

Instrument :

BNA_F

ClientSampleId :

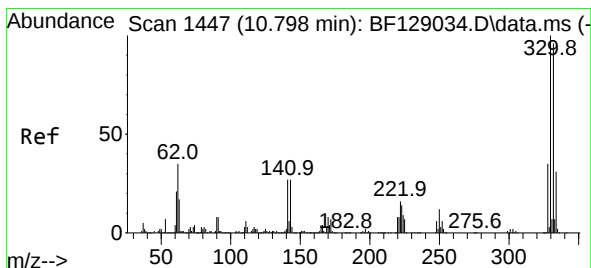
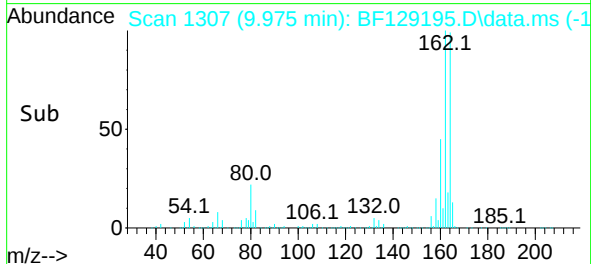
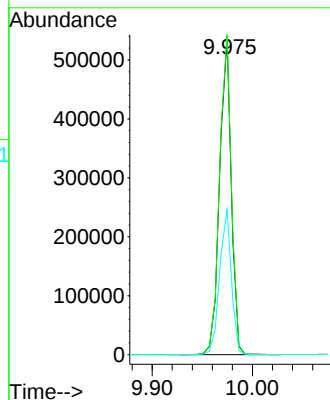
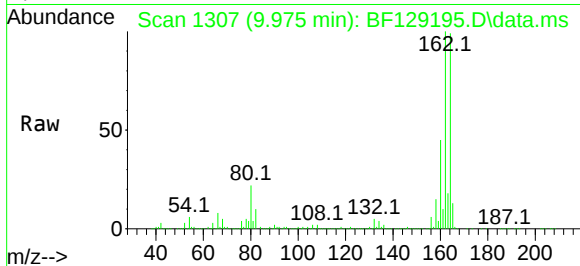
CMR-TP1-0708

Tgt Ion:164 Resp: 435460
Ion Ratio Lower Upper
164 100
162 101.0 79.5 119.3
160 45.7 34.2 51.4

Manual Integrations

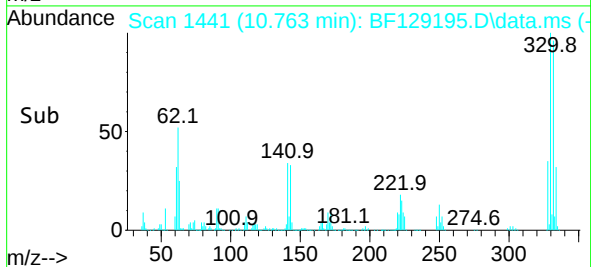
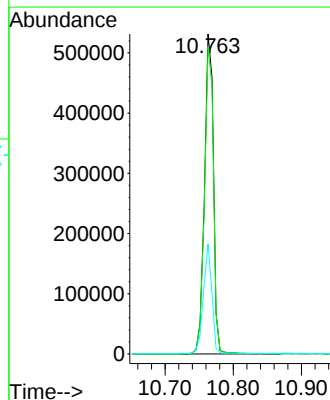
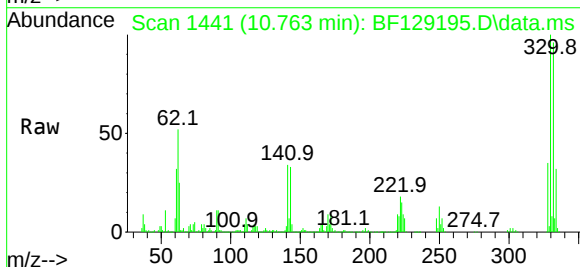
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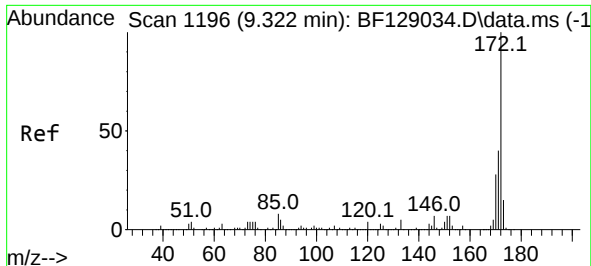
Reviewed By :Christian Giraldo 07/13/2022
Supervised By :Jagrut Upadhyay 07/13/2022



#42
2,4,6-Tribromophenol
Concen: 102.777 ng
RT: 10.763 min Scan# 1441
Delta R.T. -0.012 min
Lab File: BF129195.D
Acq: 12 Jul 2022 18:18

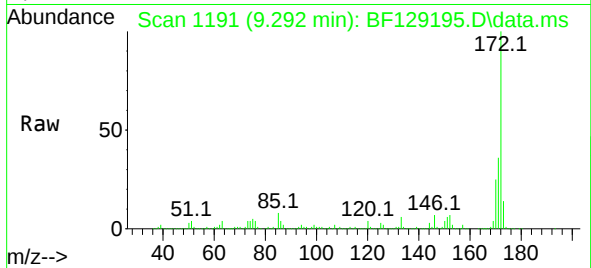
Tgt Ion:330 Resp: 486647
Ion Ratio Lower Upper
330 100
332 96.3 76.8 115.2
141 32.3 28.0 42.0





#45
2-Fluorobiphenyl
Concen: 83.616 ng
RT: 9.292 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF129195.D
Acq: 12 Jul 2022 18:18

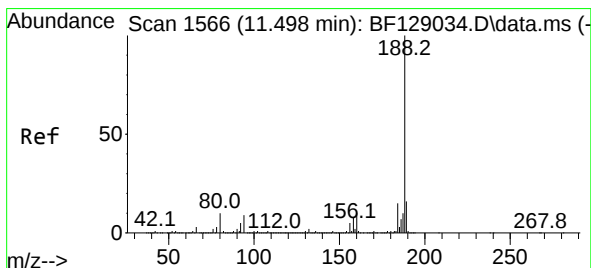
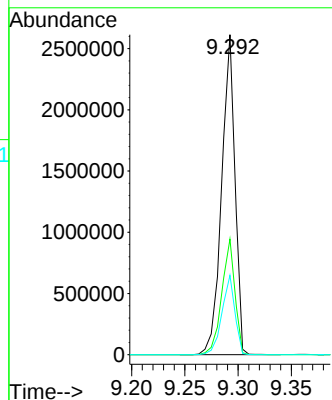
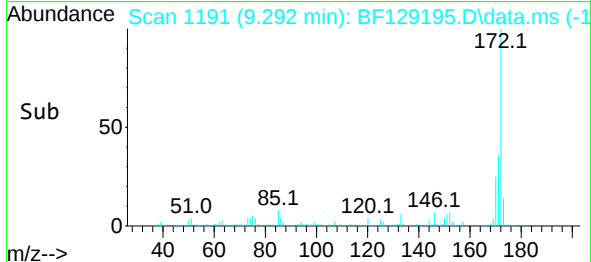
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CMR-TP1-0708



Tgt Ion:172 Resp: 2276018
Ion Ratio Lower Upper
172 100
171 36.2 28.8 43.2
170 24.8 19.8 29.8

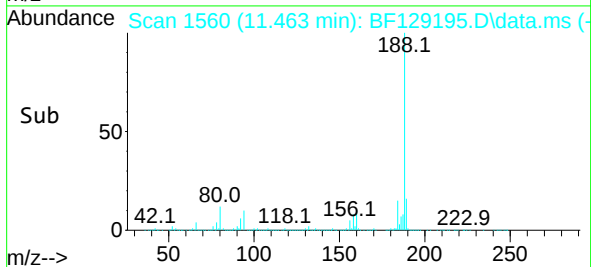
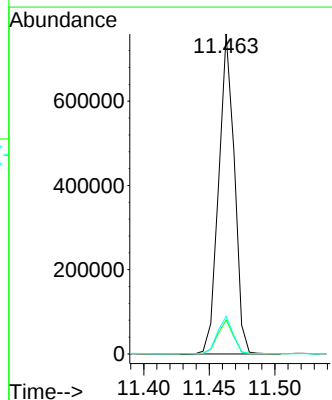
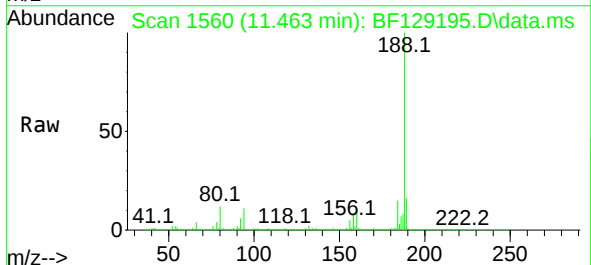
Manual Integrations
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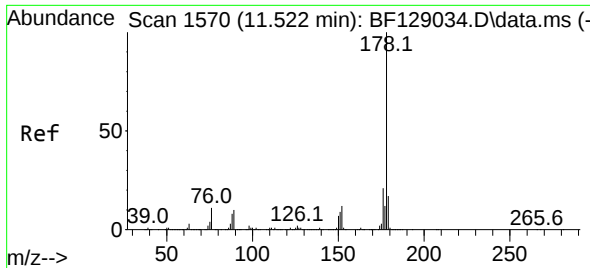
Reviewed By :Christian Giraldo 07/13/2022
Supervised By :Jagrut Upadhyay 07/13/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.463 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF129195.D
Acq: 12 Jul 2022 18:18

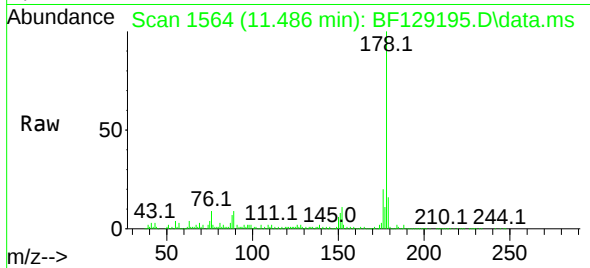
Tgt Ion:188 Resp: 632935
Ion Ratio Lower Upper
188 100
94 10.6 7.0 10.6#
80 11.8 7.6 11.4#





#71
Phenanthrene
Concen: 3.185 ng
RT: 11.486 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129195.D
Acq: 12 Jul 2022 18:18

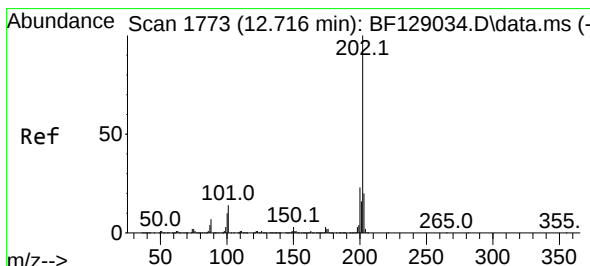
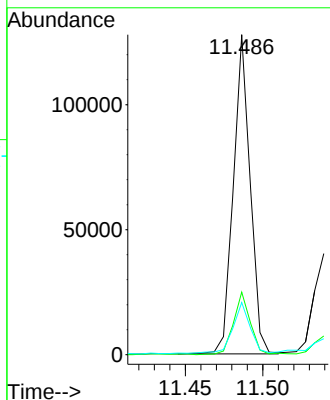
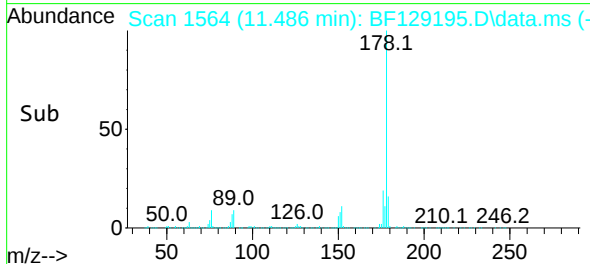
Instrument :
BNA_F
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CMR-TP1-0708



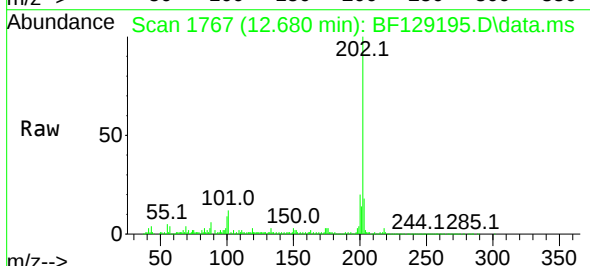
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Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 16.3 12.6 19.0

Manual Integrations
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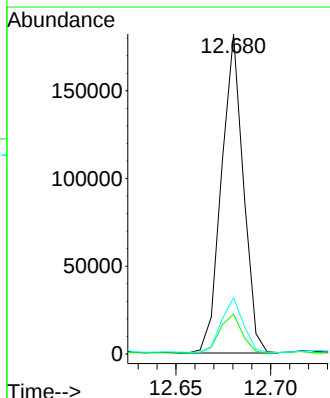
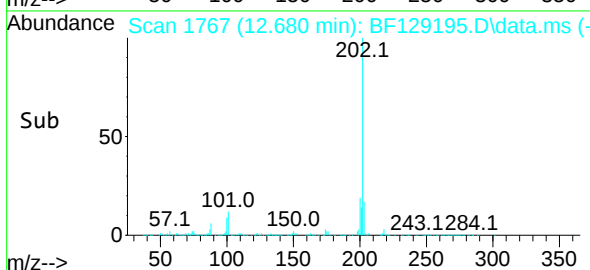
Reviewed By :Christian Giraldo 07/13/2022
Supervised By :Jagrut Upadhyay 07/13/2022

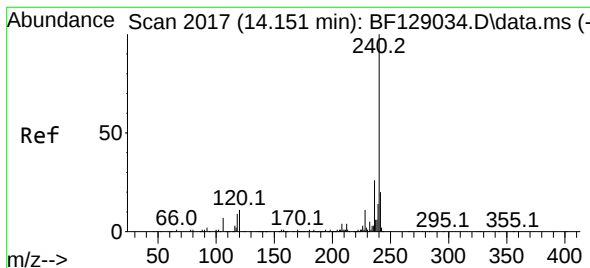


#75
Fluoranthene
Concen: 4.606 ng
RT: 12.680 min Scan# 1767
Delta R.T. -0.012 min
Lab File: BF129195.D
Acq: 12 Jul 2022 18:18



Tgt Ion:202 Resp: 145681
Ion Ratio Lower Upper
202 100
101 12.5 0.0 31.4
203 17.6 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.110 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF129195.D

Acq: 12 Jul 2022 18:18

Instrument :

BNA_F

ClientSampleId :

CMR-TP1-0708

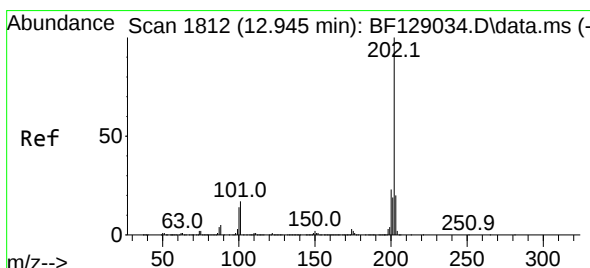
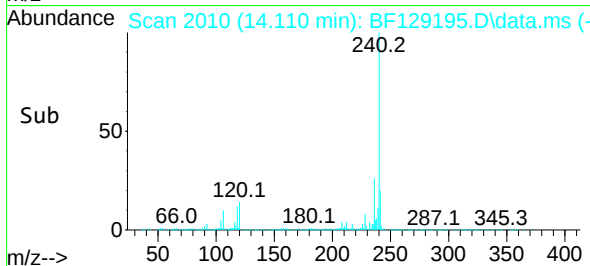
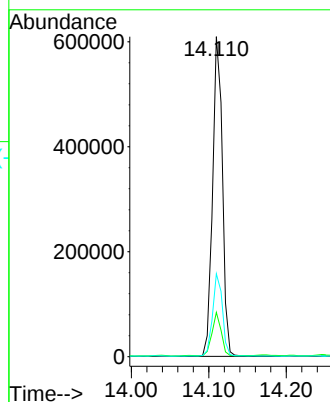
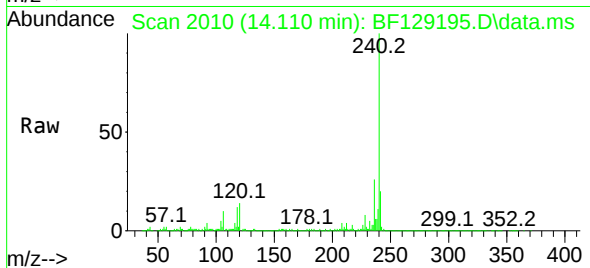
Tgt Ion:240 Resp: 535240
 Ion Ratio Lower Upper
 240 100
 120 13.8 8.9 13.3
 236 25.9 20.8 31.2

Manual Integrations

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Reviewed By :Christian Giraldo 07/13/2022

Supervised By :Jagrut Upadhyay 07/13/2022



#78

Pyrene

Concen: 4.894 ng

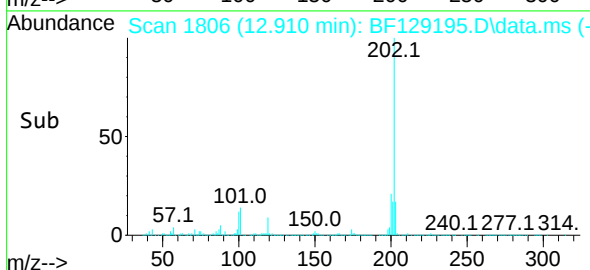
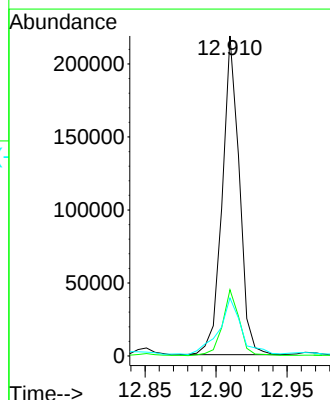
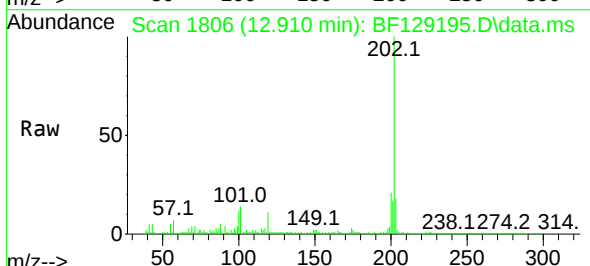
RT: 12.910 min Scan# 1806

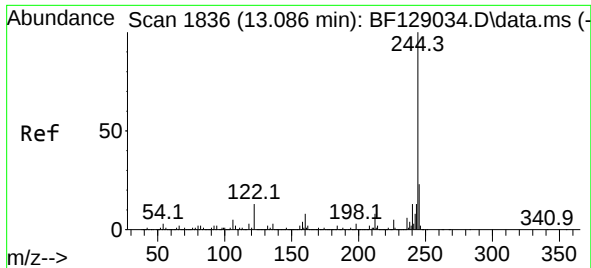
Delta R.T. -0.012 min

Lab File: BF129195.D

Acq: 12 Jul 2022 18:18

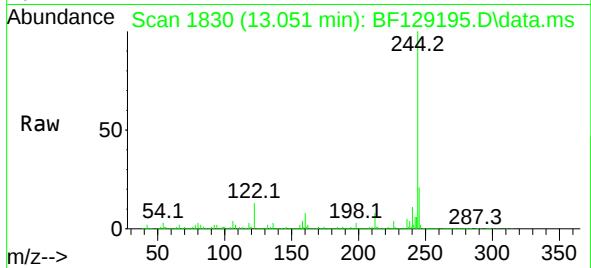
Tgt Ion:202 Resp: 181575
 Ion Ratio Lower Upper
 202 100
 200 20.7 17.7 26.5
 203 18.1 14.6 21.8





#79
Terphenyl-d14
Concen: 70.940 ng
RT: 13.051 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129195.D
Acq: 12 Jul 2022 18:18

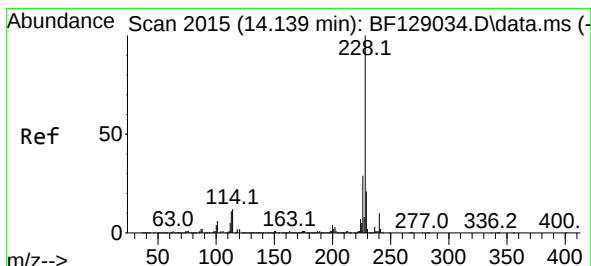
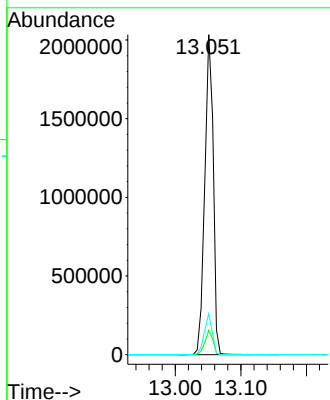
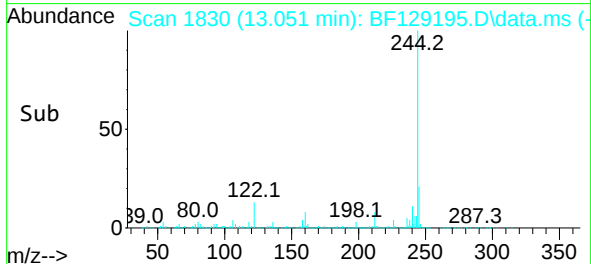
Instrument :
BNA_F
ClientSampleId :
CMR-TP1-0708



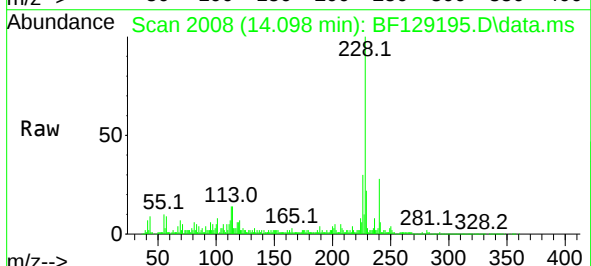
Tgt Ion:244 Resp: 1828460
Ion Ratio Lower Upper
244 100
212 7.6 6.1 9.1
122 12.8 8.8 13.2

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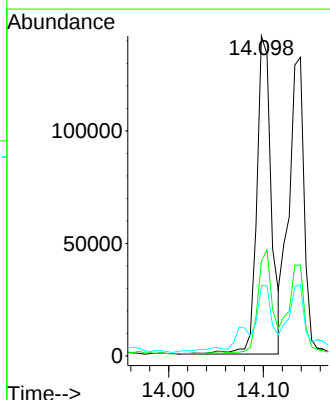
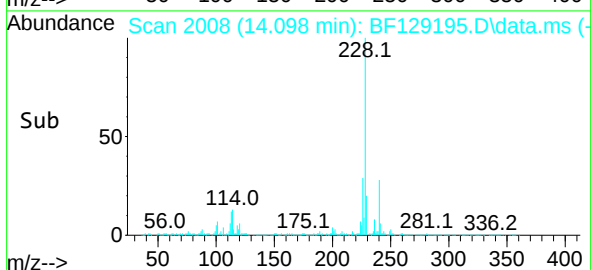
Reviewed By :Christian Giraldo 07/13/2022
Supervised By :Jagrut Upadhyay 07/13/2022

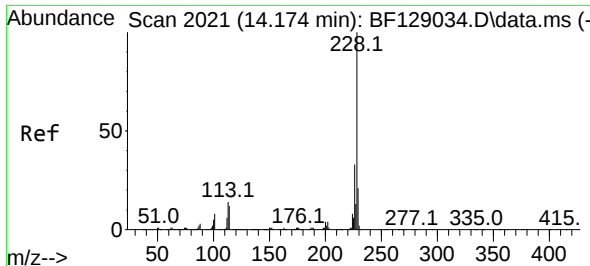


#81
Benzo(a)anthracene
Concen: 4.612 ng
RT: 14.098 min Scan# 2008
Delta R.T. -0.012 min
Lab File: BF129195.D
Acq: 12 Jul 2022 18:18



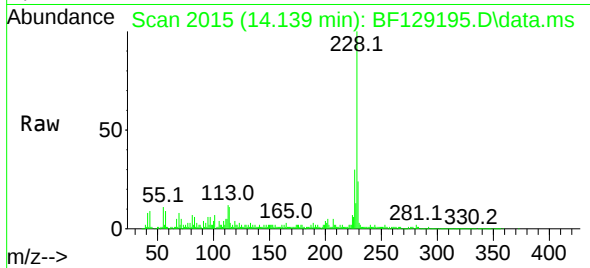
Tgt Ion:228 Resp: 150736
Ion Ratio Lower Upper
228 100
226 29.6 22.1 33.1
229 22.1 15.8 23.8





#83
Chrysene
Concen: 4.859 ng m
RT: 14.139 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF129195.D
Acq: 12 Jul 2022 18:18

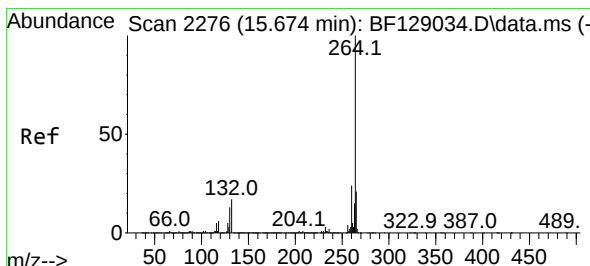
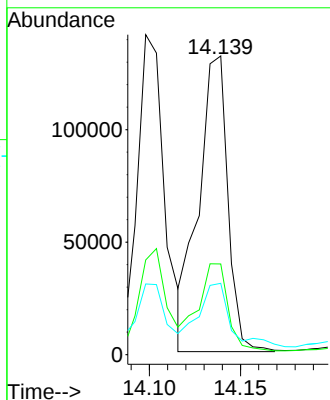
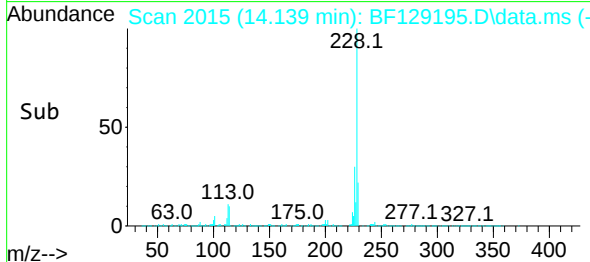
Instrument :
BNA_F
ClientSampleId :
CMR-TP1-0708



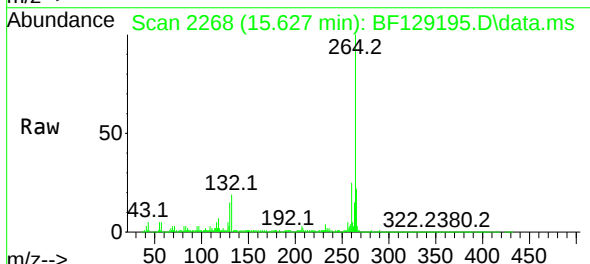
Tgt Ion:228 Resp: 147412
Ion Ratio Lower Upper
228 100
226 30.4 24.3 36.5
229 23.9 15.9 23.9

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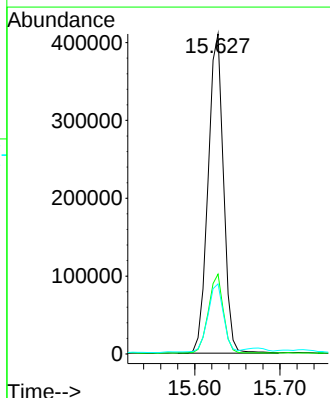
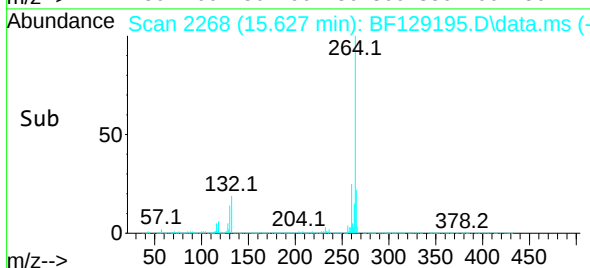
Reviewed By :Christian Giraldo 07/13/2022
Supervised By :Jagrut Upadhyay 07/13/2022

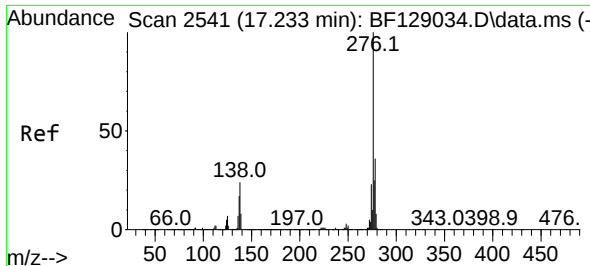


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.627 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF129195.D
Acq: 12 Jul 2022 18:18



Tgt Ion:264 Resp: 515943
Ion Ratio Lower Upper
264 100
260 24.9 18.4 27.6
265 21.9 17.2 25.8





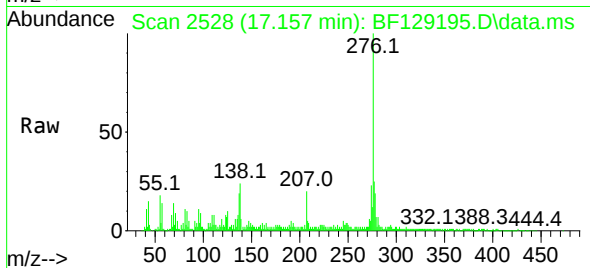
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.483 ng
RT: 17.157 min Scan# 211
Delta R.T. -0.023 min
Lab File: BF129195.D
Acq: 12 Jul 2022 18:18

Instrument :

BNA_F

ClientSampleId :

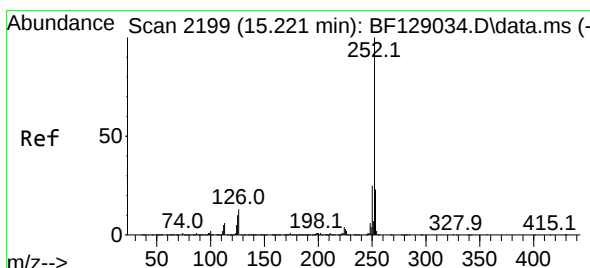
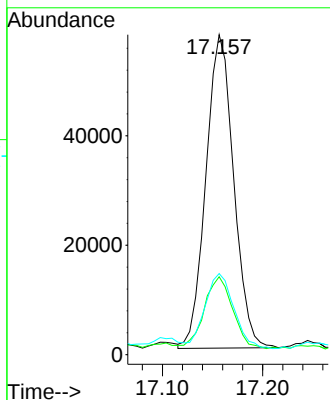
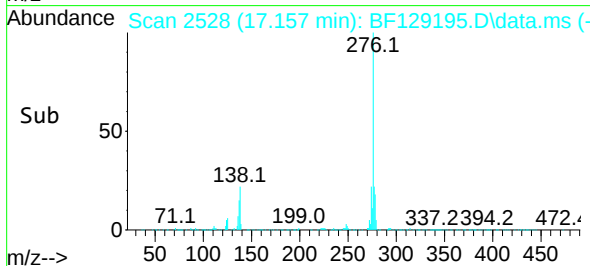
CMR-TP1-0708



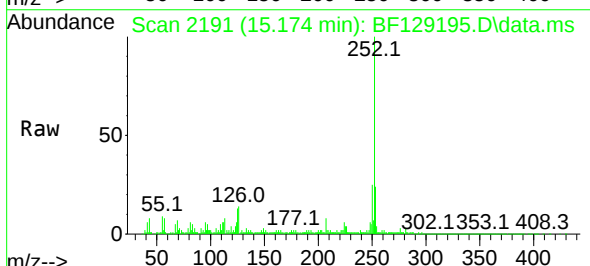
Tgt Ion:276 Resp: 110230
Ion Ratio Lower Upper
276 100
138 24.0 21.1 31.7
277 24.9 20.3 30.5

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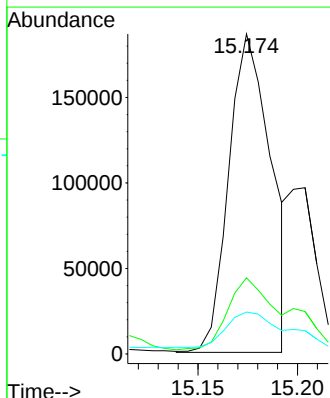
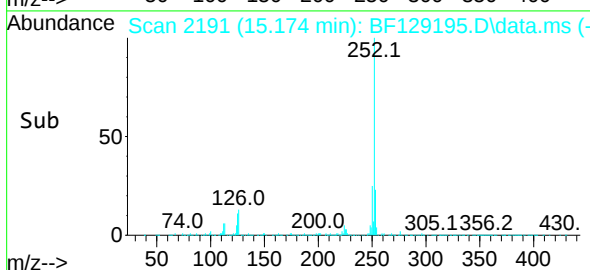
Reviewed By :Christian Giraldo 07/13/2022
Supervised By :Jagrut Upadhyay 07/13/2022

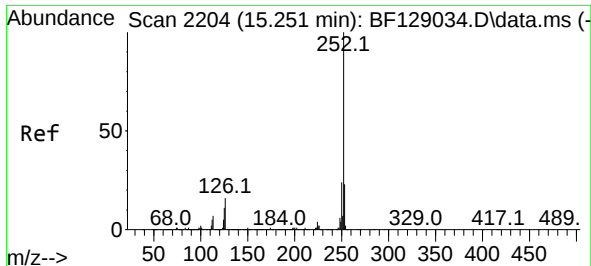


#88
Benzo(b)fluoranthene
Concen: 8.879 ng m
RT: 15.174 min Scan# 2191
Delta R.T. -0.012 min
Lab File: BF129195.D
Acq: 12 Jul 2022 18:18



Tgt Ion:252 Resp: 275508
Ion Ratio Lower Upper
252 100
253 23.8 17.7 26.5
125 13.1 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 3.168 ng m

RT: 15.204 min Scan# 2196

Delta R.T. -0.012 min

Lab File: BF129195.D

Acq: 12 Jul 2022 18:18

Instrument :

BNA_F

ClientSampleId :

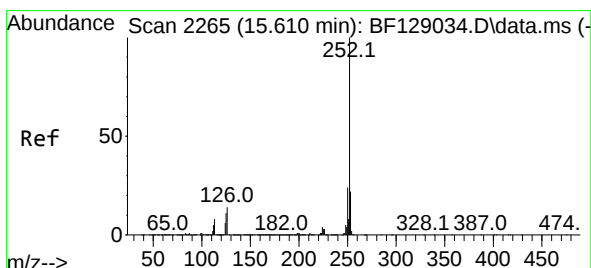
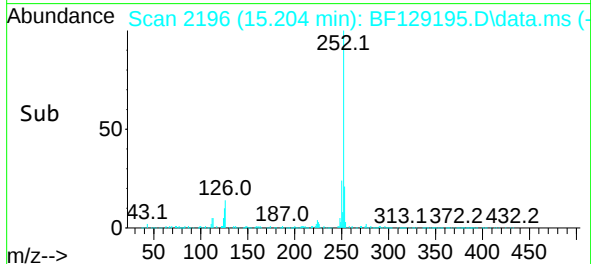
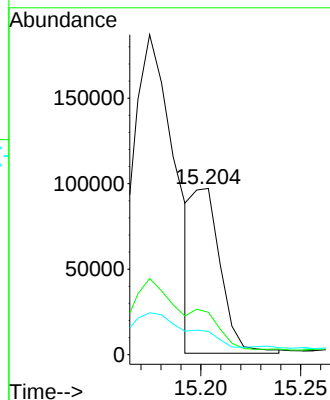
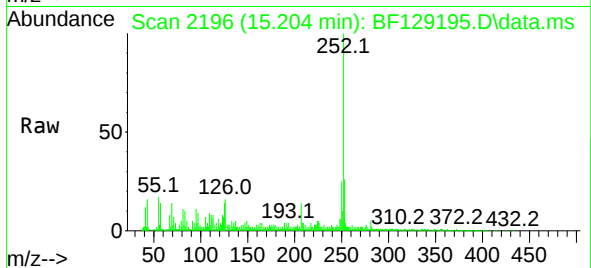
CMR-TP1-0708

Tgt Ion:252 Resp: 95348
 Ion Ratio Lower Upper
 252 100
 253 25.5 17.8 26.6
 125 14.1 8.3 12.5

Manual Integrations

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Reviewed By :Christian Giraldo 07/13/2022
 Supervised By :Jagrut Upadhyay 07/13/2022



#90

Benzo(a)pyrene

Concen: 8.552 ng

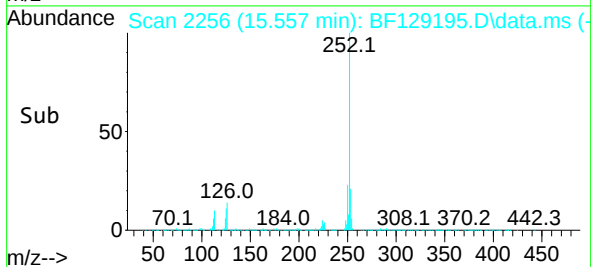
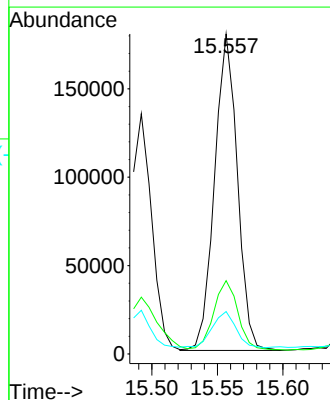
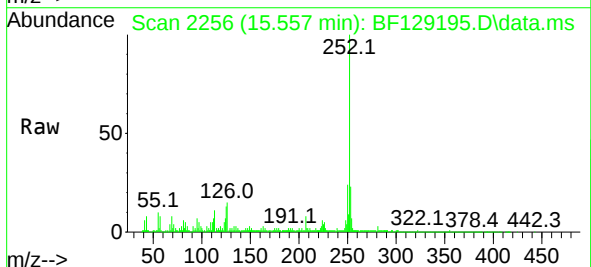
RT: 15.557 min Scan# 2256

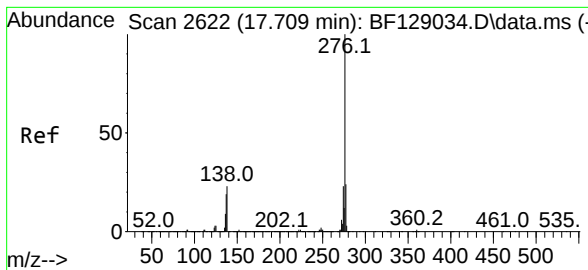
Delta R.T. -0.012 min

Lab File: BF129195.D

Acq: 12 Jul 2022 18:18

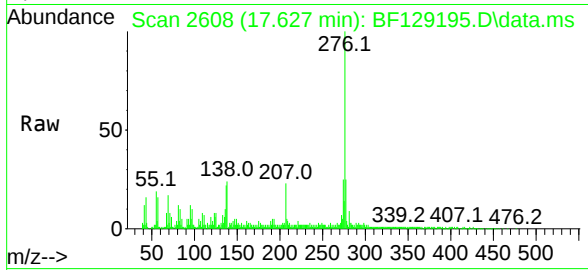
Tgt Ion:252 Resp: 216315
 Ion Ratio Lower Upper
 252 100
 253 22.9 17.0 25.6
 125 13.2 8.8 13.2





#92
 Benzo(g,h,i)perylene
 Concen: 4.102 ng
 RT: 17.627 min Scan# 20
 Delta R.T. -0.029 min
 Lab File: BF129195.D
 Acq: 12 Jul 2022 18:18

Instrument :
 BNA_F
 ClientSampleId :
 CMR-TP1-0708



Tgt Ion: 276 Resp: 106169
 Ion Ratio Lower Upper
 276 100
 277 25.5 19.1 28.7
 138 24.1 18.0 27.0

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/13/2022
 Supervised By : Jagrut Upadhyay 07/13/2022

