

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081122\
 Data File : BF129737.D
 Acq On : 12 Aug 2022 03:05
 Operator : CG\JU
 Sample : N4143-05 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-26414

Quant Time: Aug 12 03:26:54 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 11 23:50:03 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 08/12/2022
 Supervised By : Jagrut Upadhyay 08/12/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	136850	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	485955	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	215481	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	296752	20.000	ng	# 0.00
76) Chrysene-d12	14.021	240	289650	20.000	ng	0.00
86) Perylene-d12	15.492	264	230837	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	220685	26.269	ng	0.01
7) Phenol-d6	6.493	99	265893	25.181	ng	0.00
23) Nitrobenzene-d5	7.398	82	152442	17.124	ng	-0.01
42) 2,4,6-Tribromophenol	10.675	330	50073	24.170	ng	0.00
45) 2-Fluorobiphenyl	9.187	172	274000	19.671	ng	-0.01
79) Terphenyl-d14	12.963	244	258191	16.817	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	9.734	152	68385	3.540	ng	# 93
71) Phenanthrene	11.398	178	332504	20.526	ng	# 95
72) Anthracene	11.451	178	75914	4.769	ng	# 77
75) Fluoranthene	12.604	202	445934	27.169	ng	96
78) Pyrene	12.833	202	397467	16.410	ng	98
81) Benzo(a)anthracene	14.016	228	234491	11.851	ng	93
83) Chrysene	14.051	228	210495	11.288	ng	97
87) Indeno(1,2,3-cd)pyrene	16.968	276	78435	5.046	ng	96
88) Benzo(b)fluoranthene	15.063	252	228054m	14.894	ng	
89) Benzo(k)fluoranthene	15.086	252	67885m	4.524	ng	
90) Benzo(a)pyrene	15.427	252	129384	10.409	ng	# 93
91) Dibenzo(a,h)anthracene	16.974	278	27068	2.139	ng	# 83
92) Benzo(g,h,i)perylene	17.427	276	65850	5.093	ng	96

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

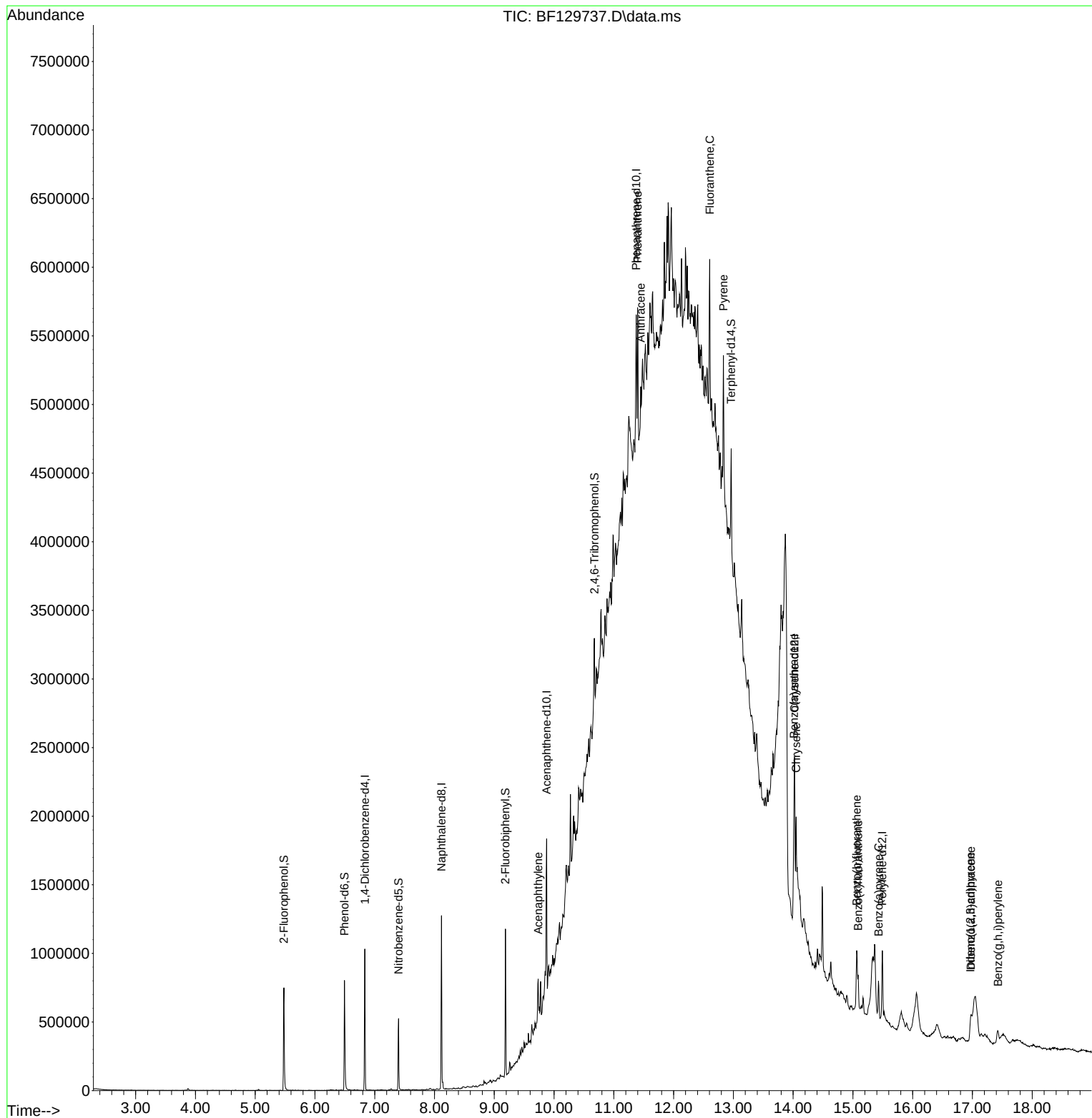
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081122\
Data File : BF129737.D
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ALS Vial : 22 Sample Multiplier: 1

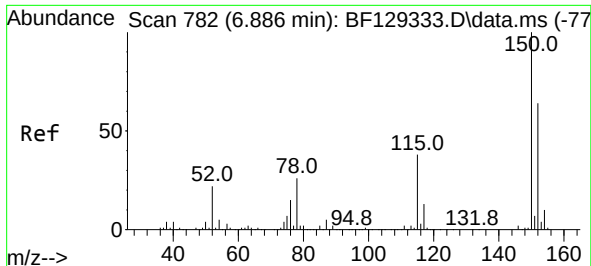
Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
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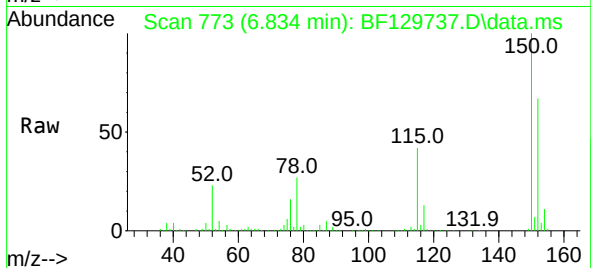
Reviewed By : Christian Giraldo 08/12/2022
Supervised By : Jagrut Upadhyay 08/12/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF129737.D
Acq: 12 Aug 2022 03:05

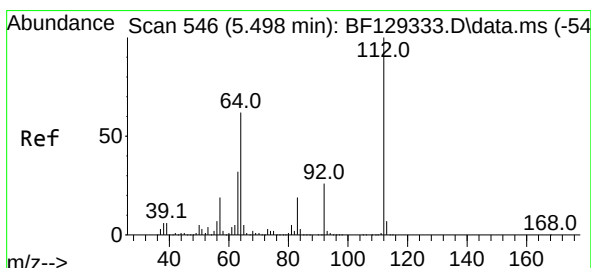
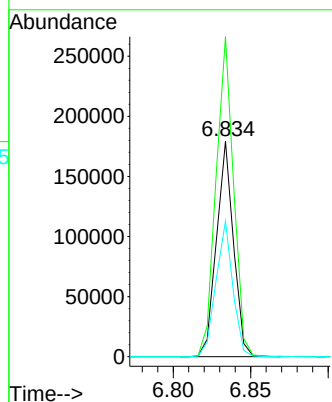
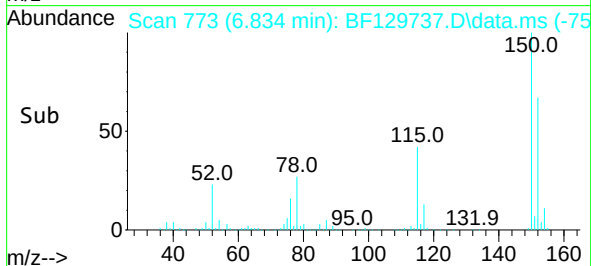
Instrument :
BNA_F
ClientSampleId :
CHRT-26414



Tgt Ion:152 Resp: 136850
Ion Ratio Lower Upper
152 100
150 148.5 123.7 185.5
115 63.0 49.9 74.9

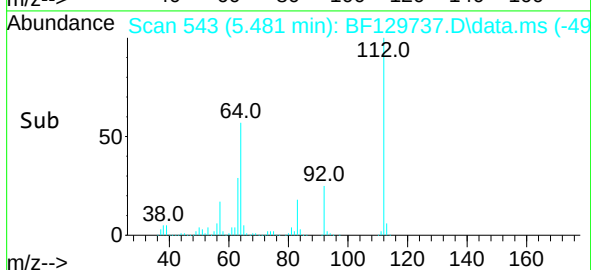
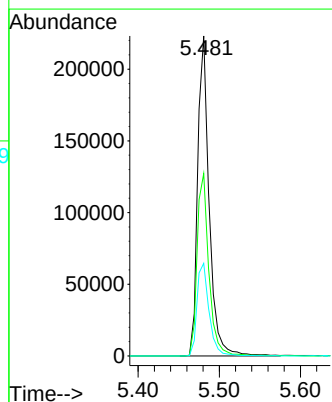
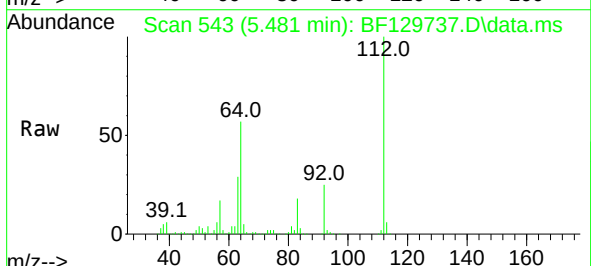
Manual Integrations
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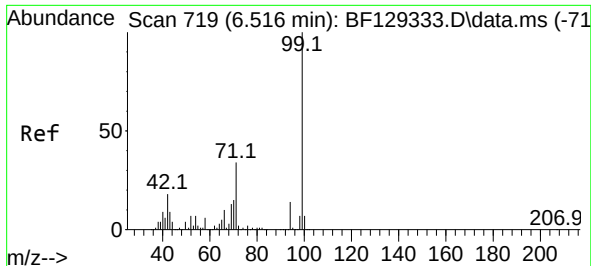
Reviewed By :Christian Giraldo 08/12/2022
Supervised By :Jagrut Upadhyay 08/12/2022



#5
2-Fluorophenol
Concen: 26.269 ng
RT: 5.481 min Scan# 543
Delta R.T. 0.012 min
Lab File: BF129737.D
Acq: 12 Aug 2022 03:05

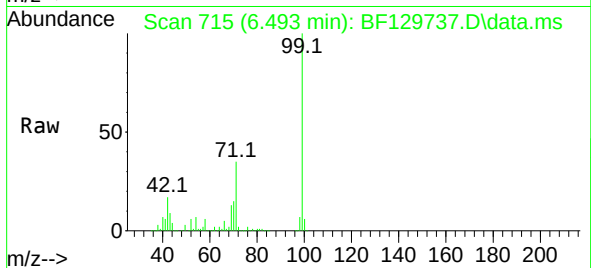
Tgt Ion:112 Resp: 220685
Ion Ratio Lower Upper
112 100
64 57.0 53.3 79.9
63 29.0 28.0 42.0





#7
Phenol-d6
Concen: 25.181 ng
RT: 6.493 min Scan# 719
Delta R.T. -0.000 min
Lab File: BF129737.D
Acq: 12 Aug 2022 03:05

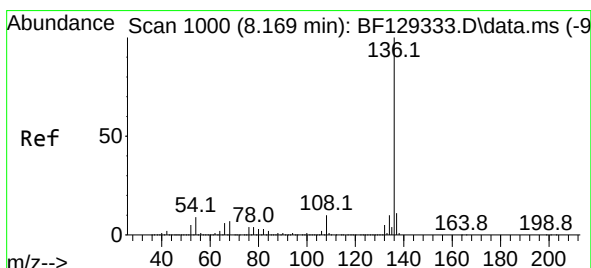
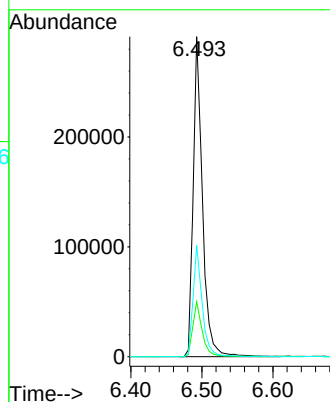
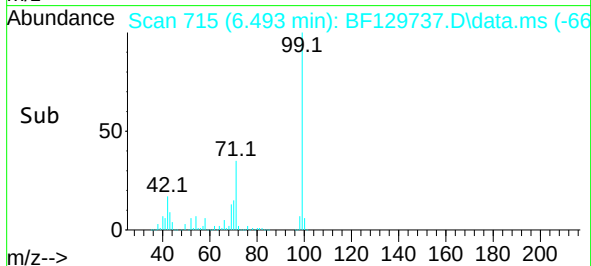
Instrument :
BNA_F
ClientSampleId :
CHRT-26414



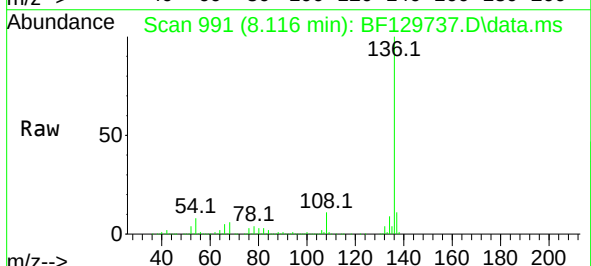
Tgt Ion: 99 Resp: 26589
Ion Ratio Lower Upper
99 100
42 17.2 17.3 25.9
71 34.8 28.9 43.3

Manual Integrations
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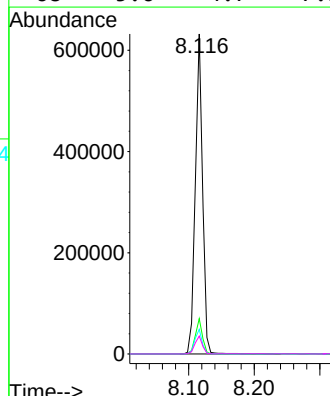
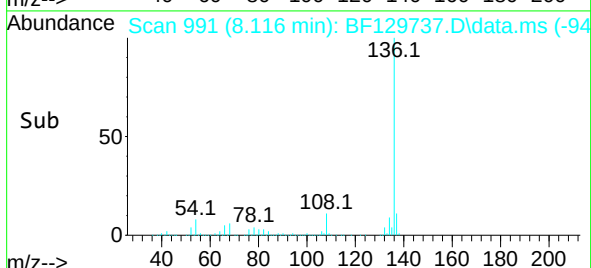
Reviewed By :Christian Giraldo 08/12/2022
Supervised By :Jagrut Upadhyay 08/12/2022

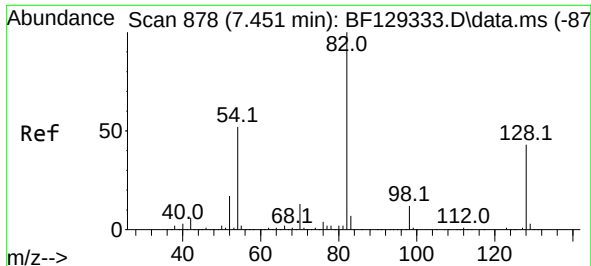


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 991
Delta R.T. -0.006 min
Lab File: BF129737.D
Acq: 12 Aug 2022 03:05



Tgt Ion:136 Resp: 485955
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 7.7 7.5 11.3
68 5.6 4.7 7.1





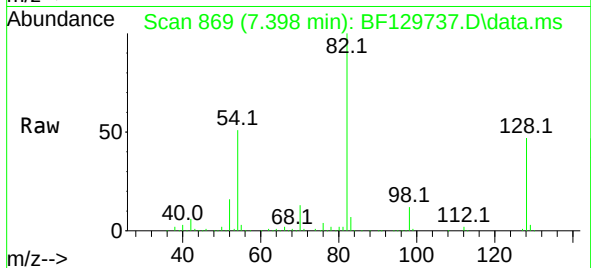
#23
Nitrobenzene-d5
Concen: 17.124 ng
RT: 7.398 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF129737.D
Acq: 12 Aug 2022 03:05

Instrument :

BNA_F

ClientSampleId :

CHRT-26414

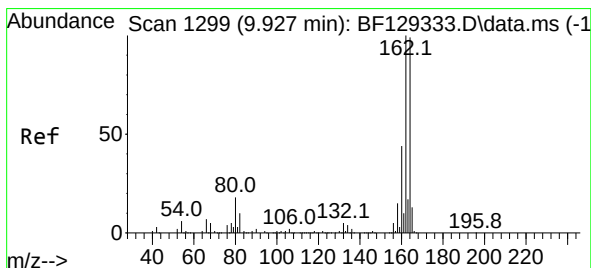
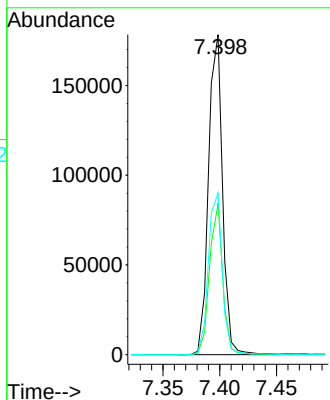
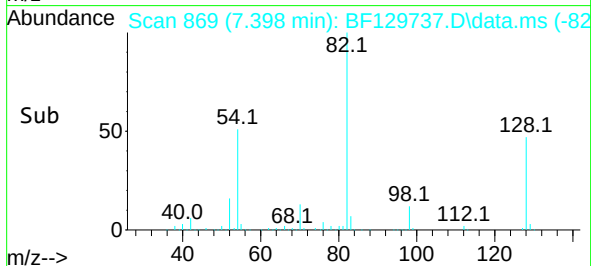


Tgt Ion: 82 Resp: 15244
Ion Ratio Lower Upper
82 100
128 47.2 34.0 51.0
54 50.5 46.9 70.3

Manual Integrations

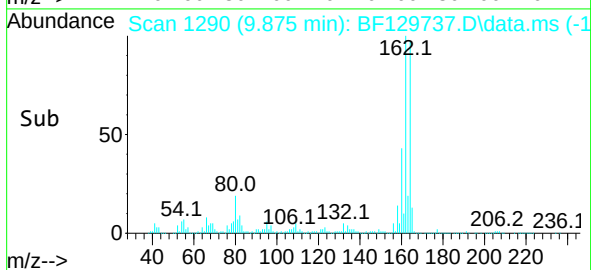
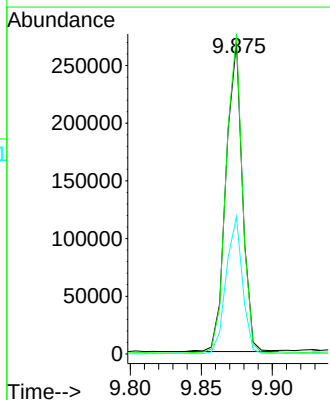
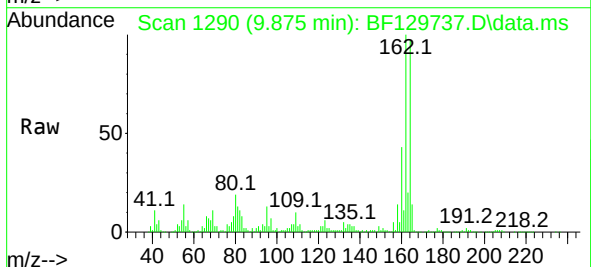
APPROVED

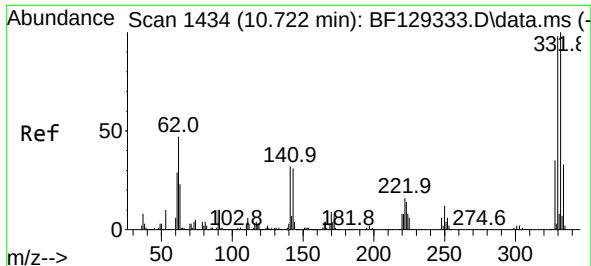
Reviewed By :Christian Giraldo 08/12/2022
Supervised By :Jagrut Upadhyay 08/12/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1290
Delta R.T. -0.006 min
Lab File: BF129737.D
Acq: 12 Aug 2022 03:05

Tgt Ion:164 Resp: 215481
Ion Ratio Lower Upper
164 100
162 102.7 79.5 119.3
160 44.1 34.2 51.4





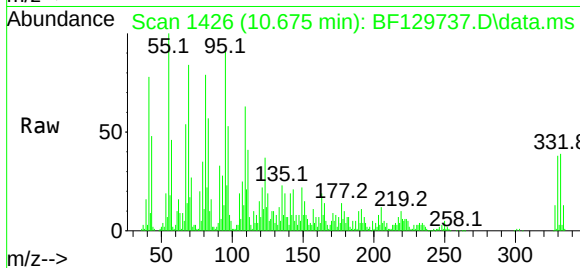
#42
2,4,6-Tribromophenol
Concen: 24.170 ng
RT: 10.675 min Scan# 1434
Delta R.T. -0.000 min
Lab File: BF129737.D
Acq: 12 Aug 2022 03:05

Instrument :

BNA_F

ClientSampleId :

CHRT-26414

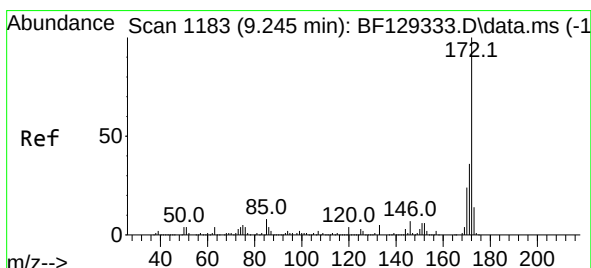
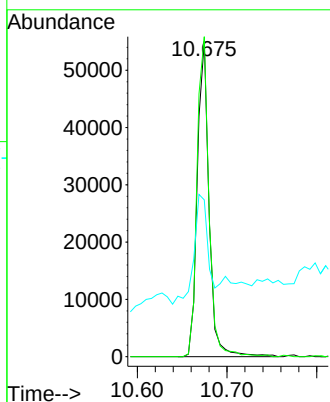
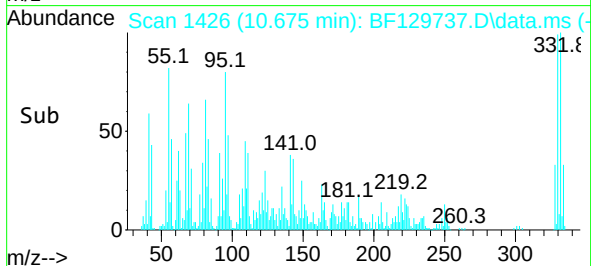


Tgt Ion: 330 Resp: 50070
Ion Ratio Lower Upper
330 100
332 103.3 76.8 115.2
141 44.0 28.0 42.0

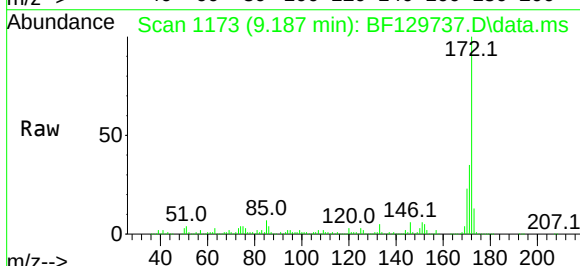
Manual Integrations

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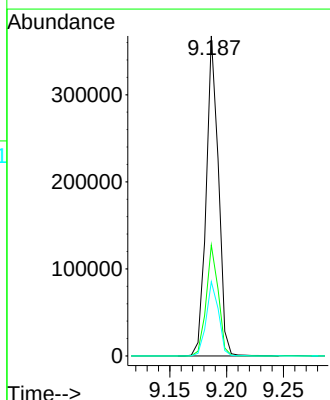
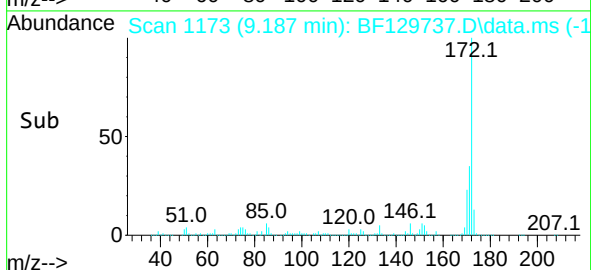
Reviewed By : Christian Giraldo 08/12/2022
Supervised By : Jagrut Upadhyay 08/12/2022

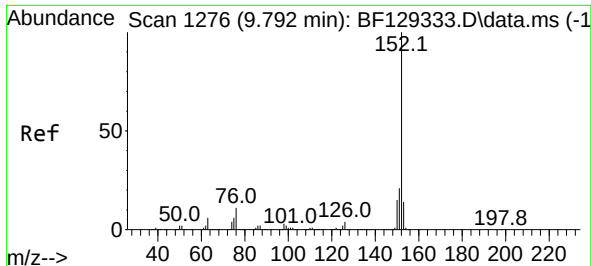


#45
2-Fluorobiphenyl
Concen: 19.671 ng
RT: 9.187 min Scan# 1173
Delta R.T. -0.012 min
Lab File: BF129737.D
Acq: 12 Aug 2022 03:05



Tgt Ion: 172 Resp: 274000
Ion Ratio Lower Upper
172 100
171 34.6 28.8 43.2
170 23.2 19.8 29.8





#49

Acenaphthylene

Concen: 3.540 ng

RT: 9.734 min Scan# 1545

Delta R.T. -0.006 min

Lab File: BF129737.D

Acq: 12 Aug 2022 03:05

Instrument :

BNA_F

ClientSampleId :

CHRT-26414

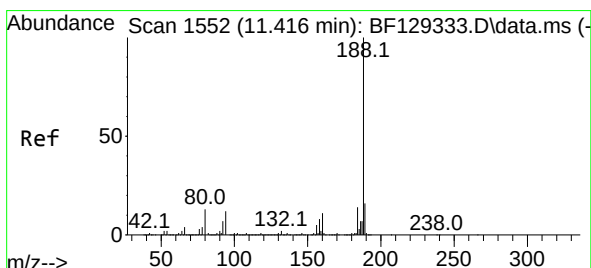
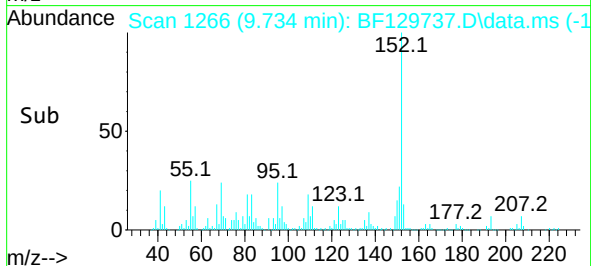
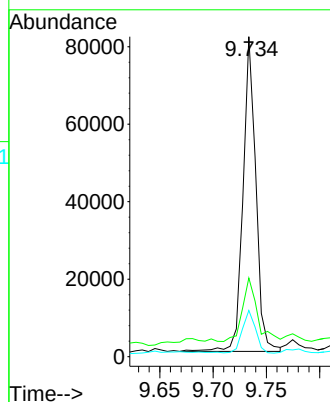
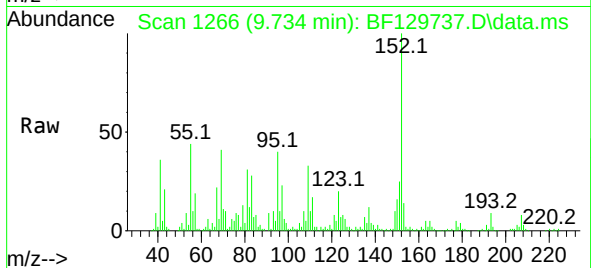
Tgt Ion:152	Resp: 6838
Ion Ratio	Lower Upper
152	100
151	24.6 16.2 24.4
153	14.5 10.7 16.1

Manual Integrations

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Reviewed By :Christian Giraldo 08/12/2022

Supervised By :Jagrut Upadhyay 08/12/2022



#64

Phenanthrene-d10

Concen: 20.000 ng

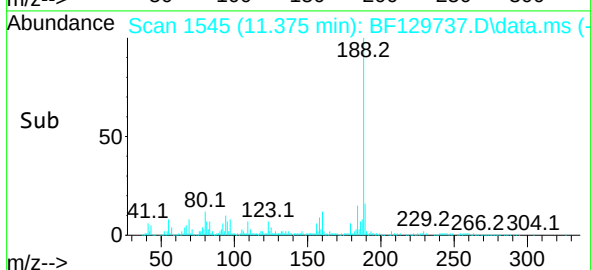
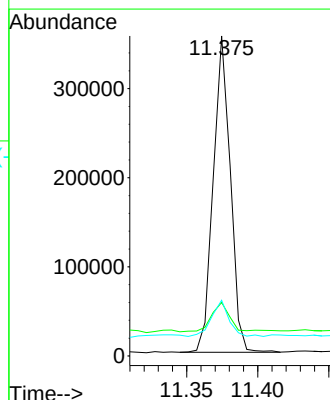
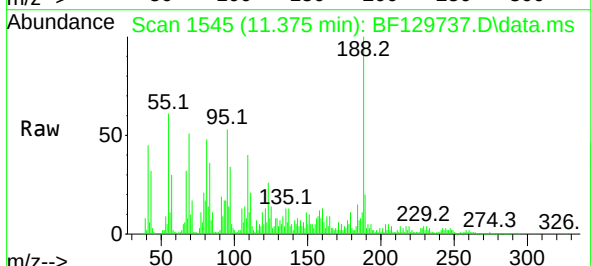
RT: 11.375 min Scan# 1545

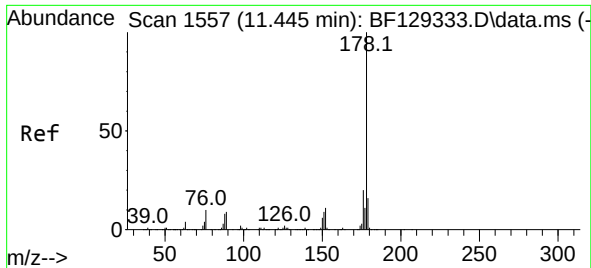
Delta R.T. 0.006 min

Lab File: BF129737.D

Acq: 12 Aug 2022 03:05

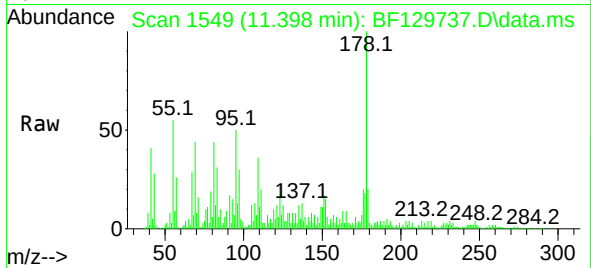
Tgt Ion:188	Resp: 296752
Ion Ratio	Lower Upper
188	100
94	16.7 7.0 10.6
80	17.4 7.6 11.4





#71
Phenanthrene
Concen: 20.526 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF129737.D
Acq: 12 Aug 2022 03:05

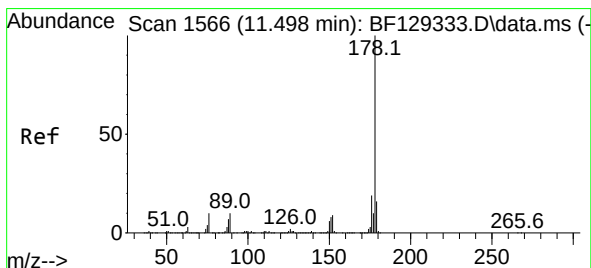
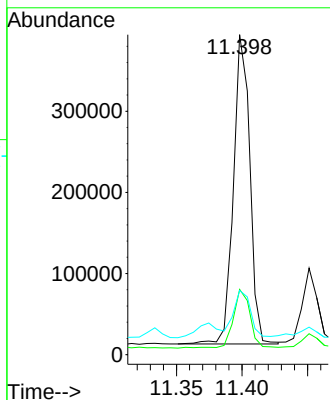
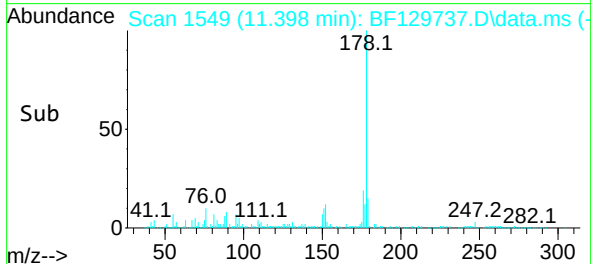
Instrument :
BNA_F
ClientSampleId :
CHRT-26414



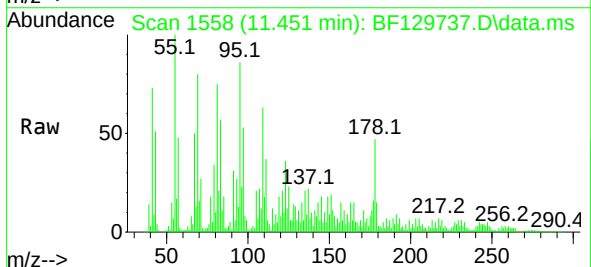
Tgt Ion:178 Resp: 332504
Ion Ratio Lower Upper
178 100
176 20.4 16.0 24.0
179 20.0 12.6 19.0

Manual Integrations
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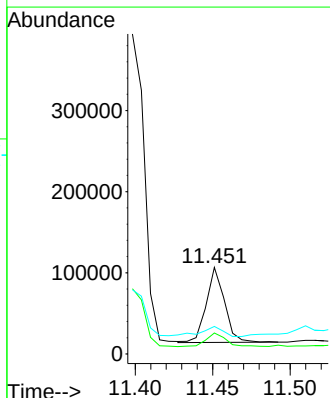
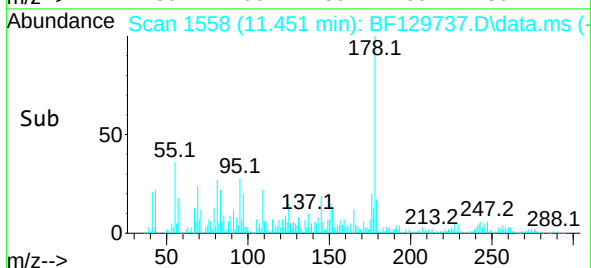
Reviewed By :Christian Giraldo 08/12/2022
Supervised By :Jagrut Upadhyay 08/12/2022

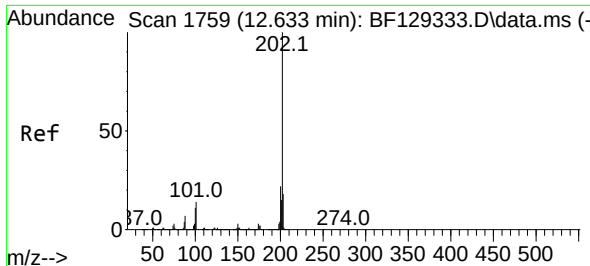


#72
Anthracene
Concen: 4.769 ng
RT: 11.451 min Scan# 1558
Delta R.T. 0.006 min
Lab File: BF129737.D
Acq: 12 Aug 2022 03:05



Tgt Ion:178 Resp: 75914
Ion Ratio Lower Upper
178 100
176 24.3 15.4 23.2#
179 31.8 12.6 19.0#





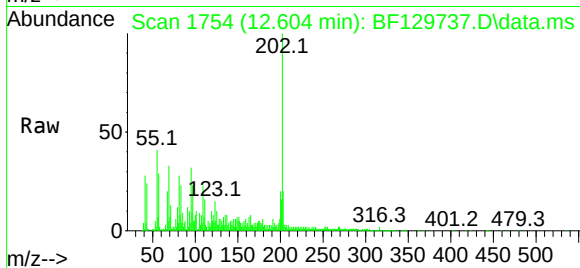
#75
Fluoranthene
Concen: 27.169 ng
RT: 12.604 min Scan# 11
Delta R.T. 0.018 min
Lab File: BF129737.D
Acq: 12 Aug 2022 03:05

Instrument :

BNF_F

ClientSampleId :

CHRT-26414

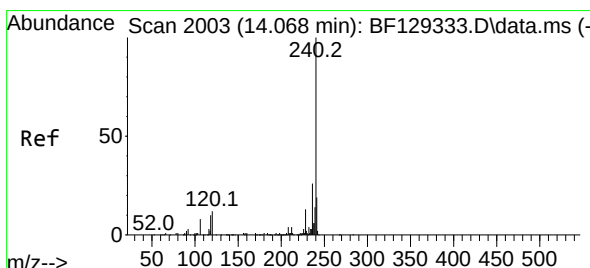
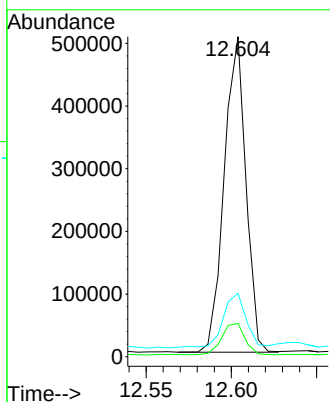
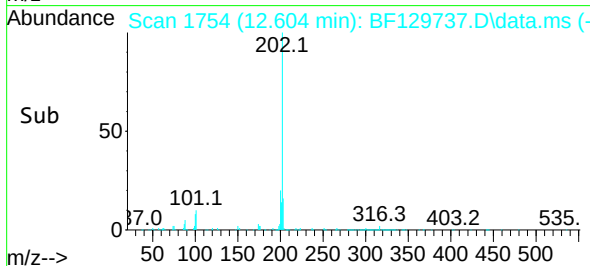


Tgt Ion:202 Resp: 445934
Ion Ratio Lower Upper
202 100
101 10.4 0.0 31.4
203 19.8 0.0 38.0

Manual Integrations

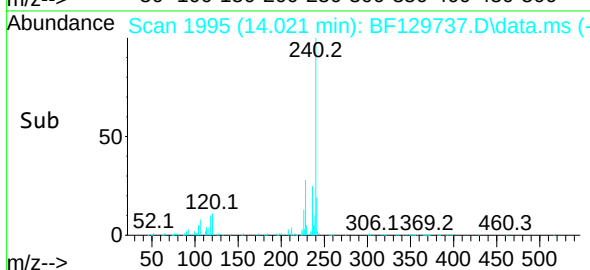
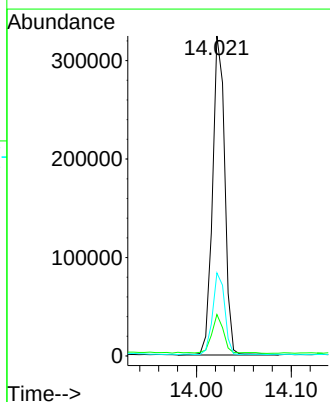
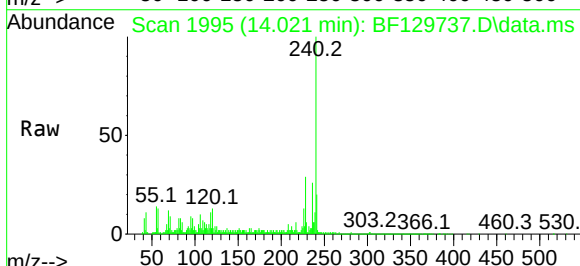
APPROVED

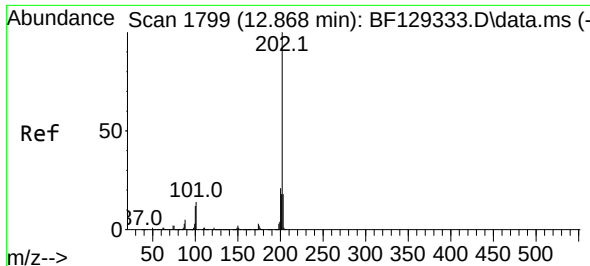
Reviewed By :Christian Giraldo 08/12/2022
Supervised By :Jagrut Upadhyay 08/12/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 1995
Delta R.T. -0.000 min
Lab File: BF129737.D
Acq: 12 Aug 2022 03:05

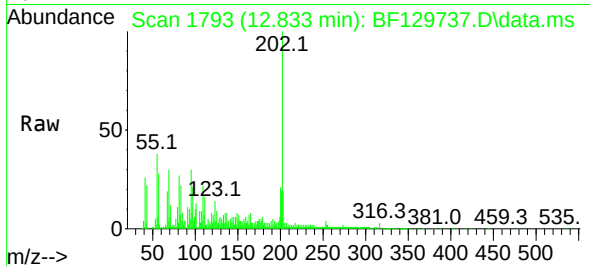
Tgt Ion:240 Resp: 289650
Ion Ratio Lower Upper
240 100
120 13.0 8.9 13.3
236 25.9 20.8 31.2





#78
Pyrene
Concen: 16.410 ng
RT: 12.833 min Scan# 11
Delta R.T. 0.018 min
Lab File: BF129737.D
Acq: 12 Aug 2022 03:05

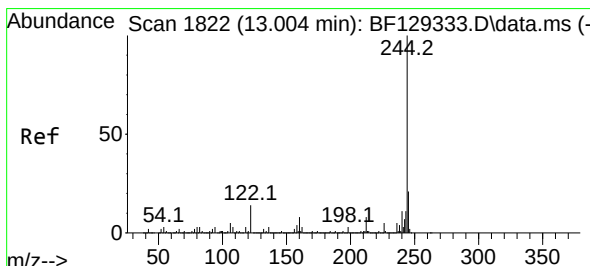
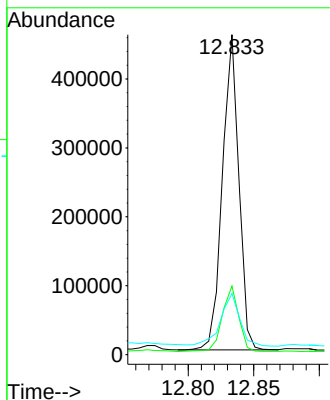
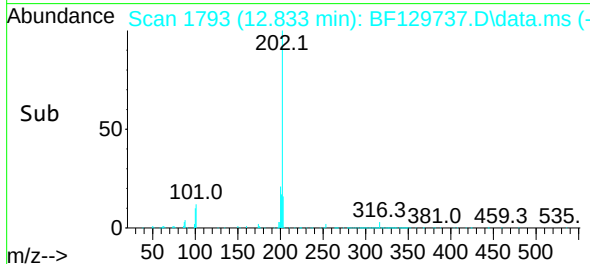
Instrument :
BNA_F
ClientSampleId :
CHRT-26414



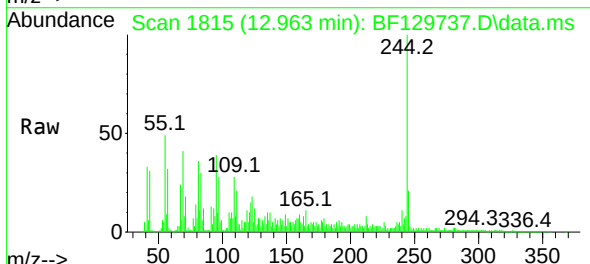
Tgt Ion:202 Resp: 39746
Ion Ratio Lower Upper
202 100
200 21.4 17.7 26.5
203 19.1 14.6 21.8

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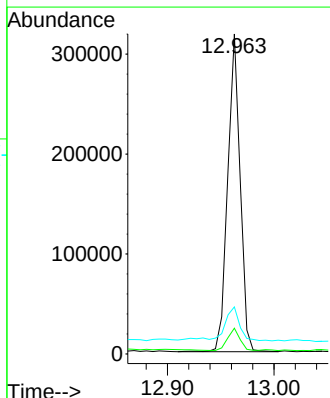
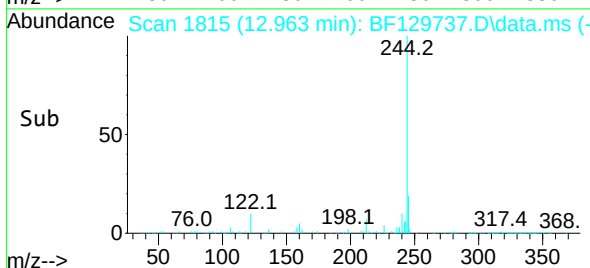
Reviewed By :Christian Giraldo 08/12/2022
Supervised By :Jagrut Upadhyay 08/12/2022

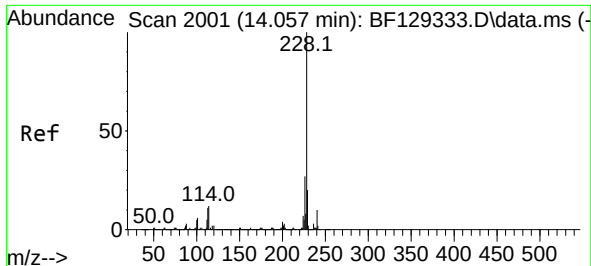


#79
Terphenyl-d14
Concen: 16.817 ng
RT: 12.963 min Scan# 1815
Delta R.T. 0.006 min
Lab File: BF129737.D
Acq: 12 Aug 2022 03:05



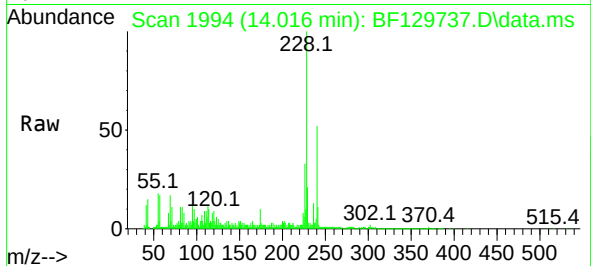
Tgt Ion:244 Resp: 258191
Ion Ratio Lower Upper
244 100
212 8.1 6.1 9.1
122 14.7 8.8 13.2#





#81
Benzo(a)anthracene
Concen: 11.851 ng
RT: 14.016 min Scan# 1994
Delta R.T. 0.006 min
Lab File: BF129737.D
Acq: 12 Aug 2022 03:05

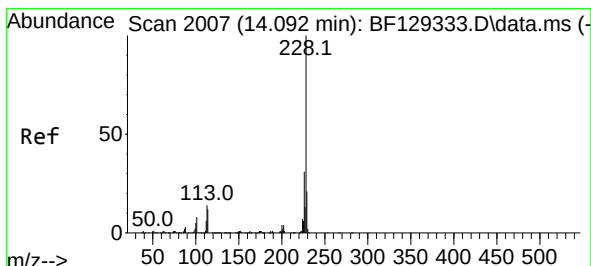
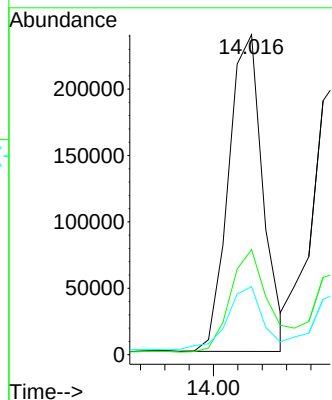
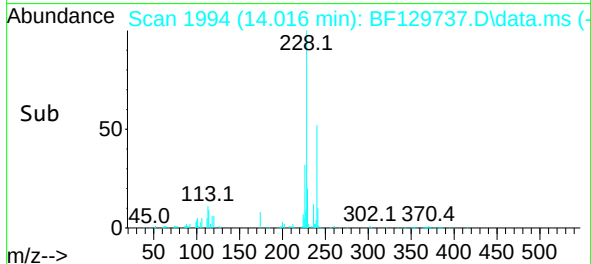
Instrument :
BNA_F
ClientSampleId :
CHRT-26414



Tgt Ion:228 Resp: 234495
Ion Ratio Lower Upper
228 100
226 32.8 22.1 33.1
229 21.3 15.8 23.8

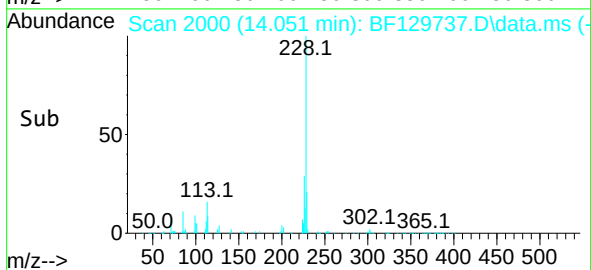
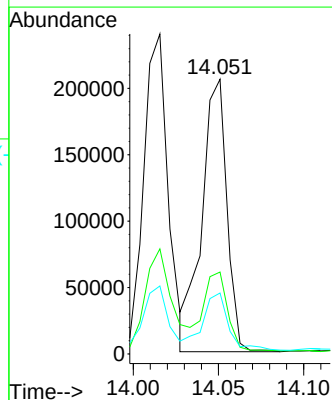
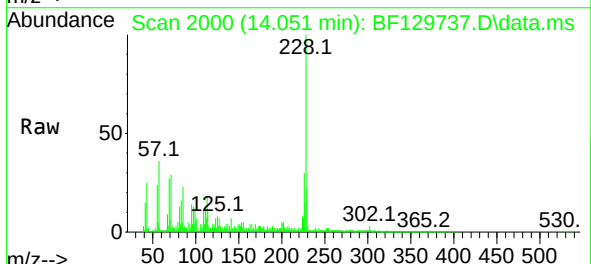
Manual Integrations
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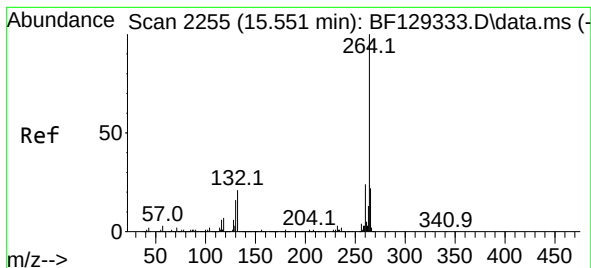
Reviewed By :Christian Giraldo 08/12/2022
Supervised By :Jagrut Upadhyay 08/12/2022



#83
Chrysene
Concen: 11.288 ng
RT: 14.051 min Scan# 2000
Delta R.T. 0.006 min
Lab File: BF129737.D
Acq: 12 Aug 2022 03:05

Tgt Ion:228 Resp: 210495
Ion Ratio Lower Upper
228 100
226 29.8 24.3 36.5
229 22.2 15.9 23.9





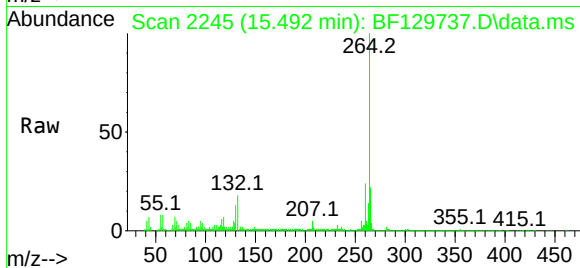
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF129737.D
Acq: 12 Aug 2022 03:05

Instrument :

BNA_F

ClientSampleId :

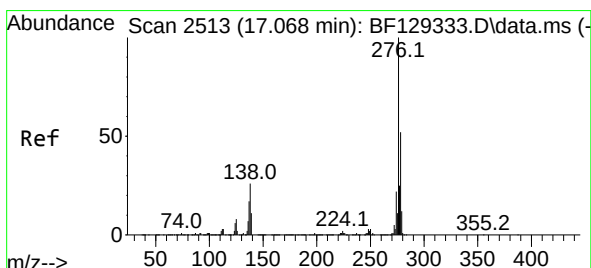
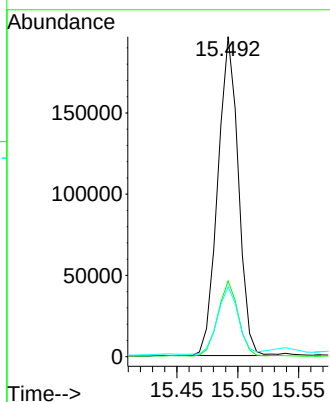
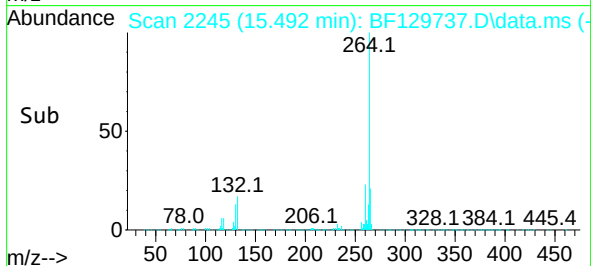
CHRT-26414



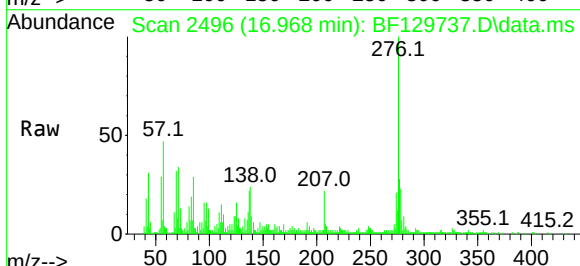
Tgt Ion:264 Resp: 23083
Ion Ratio Lower Upper
264 100
260 23.6 18.4 27.6
265 21.8 17.2 25.8

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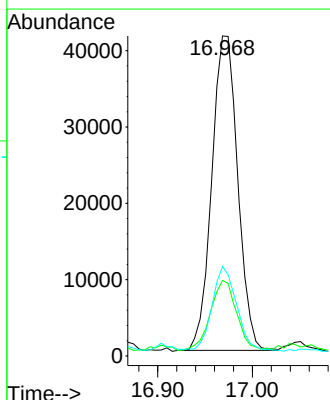
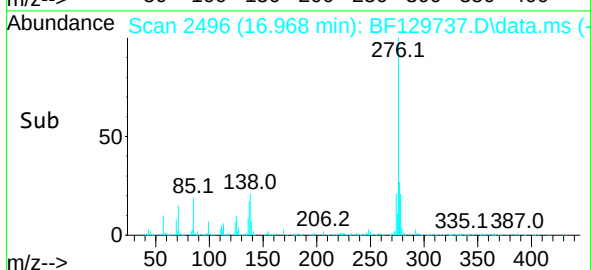
Reviewed By :Christian Giraldo 08/12/2022
Supervised By :Jagrut Upadhyay 08/12/2022

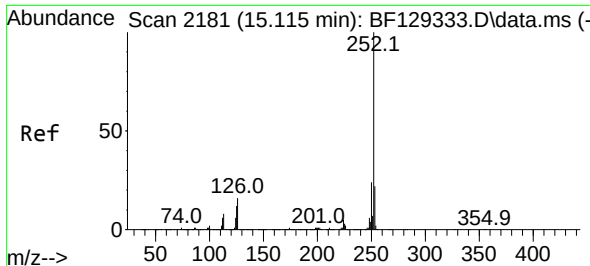


#87
Indeno(1,2,3-cd)pyrene
Concen: 5.046 ng
RT: 16.968 min Scan# 2496
Delta R.T. -0.018 min
Lab File: BF129737.D
Acq: 12 Aug 2022 03:05



Tgt Ion:276 Resp: 78435
Ion Ratio Lower Upper
276 100
138 22.3 21.1 31.7
277 25.7 20.3 30.5





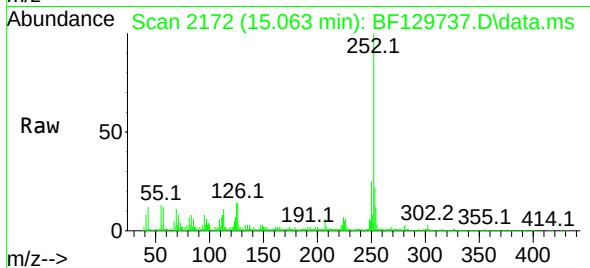
#88
Benzo(b)fluoranthene
Concen: 14.894 ng m
RT: 15.063 min Scan# 2181
Delta R.T. -0.000 min
Lab File: BF129737.D
Acq: 12 Aug 2022 03:05

Instrument :

BNA_F

ClientSampleId :

CHRT-26414

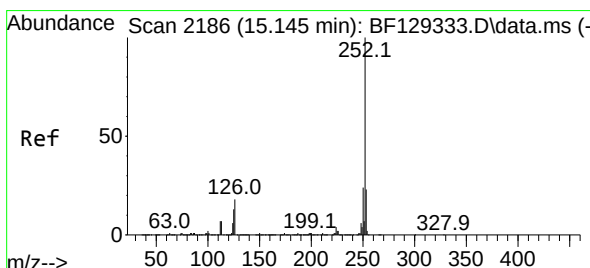
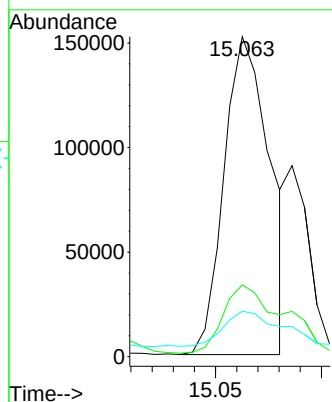
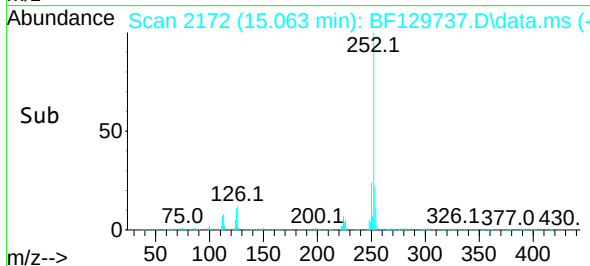


Tgt Ion:252 Resp: 228054
Ion Ratio Lower Upper
252 100
253 22.4 17.7 26.5
125 14.2 8.0 12.0

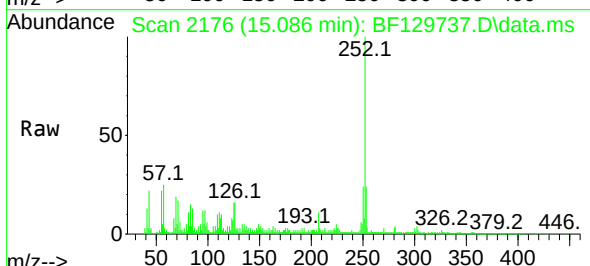
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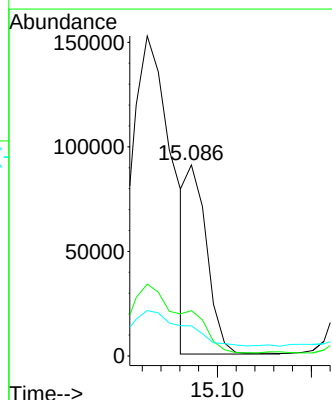
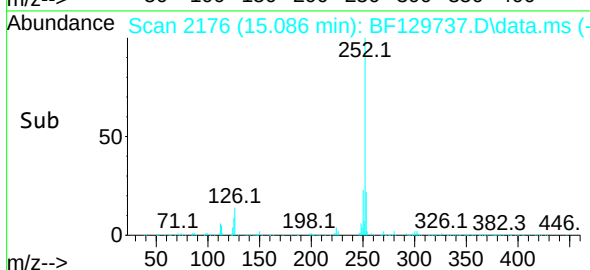
Reviewed By :Christian Giraldo 08/12/2022
Supervised By :Jagrut Upadhyay 08/12/2022

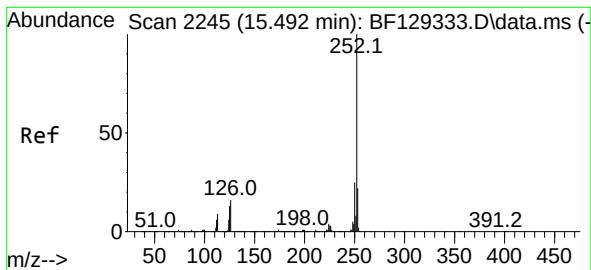


#89
Benzo(k)fluoranthene
Concen: 4.524 ng m
RT: 15.086 min Scan# 2176
Delta R.T. -0.006 min
Lab File: BF129737.D
Acq: 12 Aug 2022 03:05



Tgt Ion:252 Resp: 67885
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.6
125 15.7 8.3 12.5





#90
Benzo(a)pyrene
Concen: 10.409 ng
RT: 15.427 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF129737.D
Acq: 12 Aug 2022 03:05

Instrument :

BNF_F

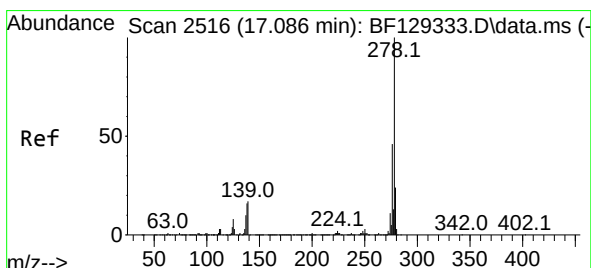
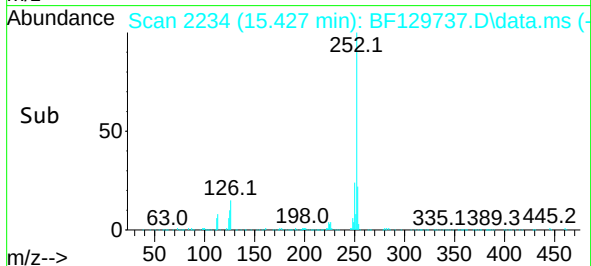
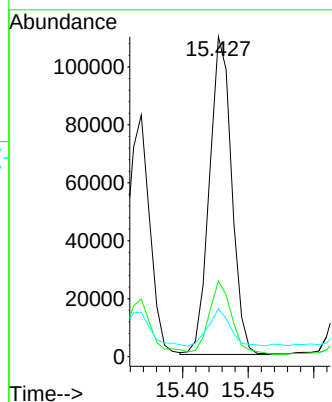
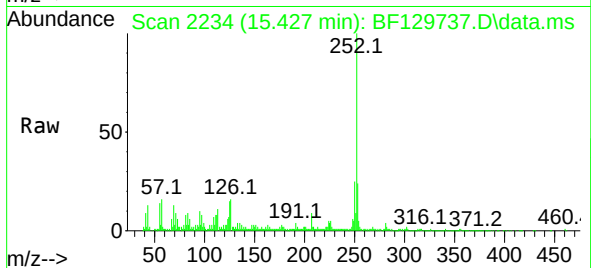
ClientSampleId :

CHRT-26414

Tgt Ion:252 Resp: 129384
Ion Ratio Lower Upper
252 100
253 23.6 17.0 25.6
125 14.9 8.8 13.2

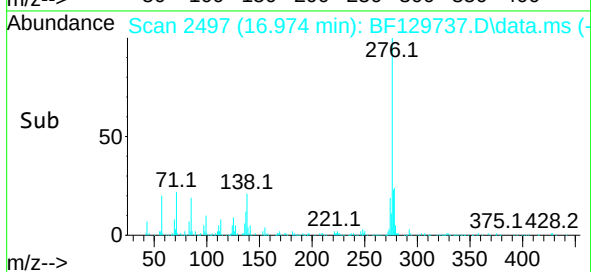
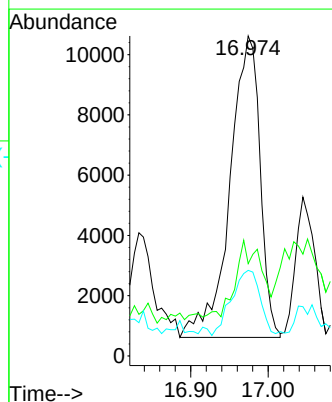
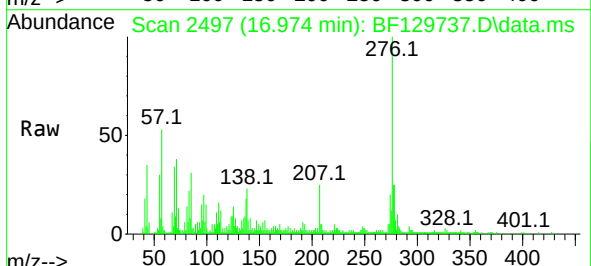
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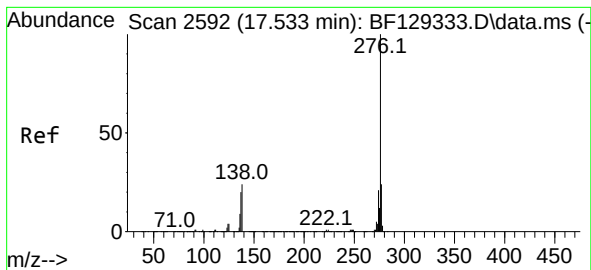
Reviewed By :Christian Giraldo 08/12/2022
Supervised By :Jagrut Upadhyay 08/12/2022



#91
Dibenzo(a,h)anthracene
Concen: 2.139 ng
RT: 16.974 min Scan# 2497
Delta R.T. -0.018 min
Lab File: BF129737.D
Acq: 12 Aug 2022 03:05

Tgt Ion:278 Resp: 27068
Ion Ratio Lower Upper
278 100
139 28.9 12.8 19.2#
279 26.8 18.6 28.0





#92

Benzo(g,h,i)perylene

Concen: 5.093 ng

RT: 17.427 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF129737.D

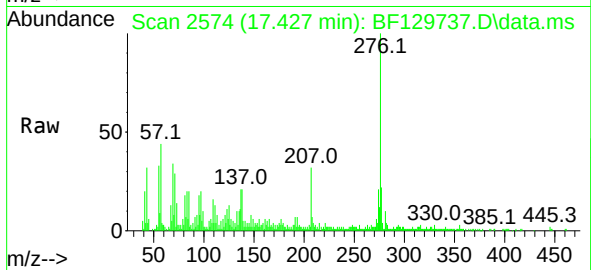
Acq: 12 Aug 2022 03:05

Instrument :

BNA_F

ClientSampleId :

CHRT-26414



Tgt Ion:276 Resp: 65850

Ion Ratio Lower Upper

276 100

277 22.3 19.1 28.7

138 20.6 18.0 27.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/12/2022

Supervised By :Jagrut Upadhyay 08/12/2022

