

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070122\
 Data File : BF129105.D
 Acq On : 01 Jul 2022 21:58
 Operator : CG\JU
 Sample : N3562-16
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-15

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/05/2022
 Supervised By : Jagrut Upadhyay 07/05/2022

Quant Time: Jul 02 01:27:16 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 29 17:05:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.957	152	307780	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	1171873	20.000	ng	# 0.00
39) Acenaphthene-d10	9.998	164	572271	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	869103	20.000	ng	#-0.01
76) Chrysene-d12	14.139	240	629858	20.000	ng	-0.01
86) Perylene-d12	15.662	264	607168	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	2221940	122.051	ng	0.00
7) Phenol-d6	6.581	99	2738025	121.098	ng	0.00
23) Nitrobenzene-d5	7.516	82	1757525	89.455	ng	-0.01
42) 2,4,6-Tribromophenol	10.786	330	673817	108.286	ng	-0.01
45) 2-Fluorobiphenyl	9.316	172	3117921	87.162	ng	0.00
79) Terphenyl-d14	13.080	244	2626978	86.611	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.857	152	166097	3.441	ng	98
71) Phenanthrene	11.510	178	474529	11.427	ng	98
72) Anthracene	11.563	178	131253	3.206	ng	99
75) Fluoranthene	12.710	202	1025221	23.607	ng	99
78) Pyrene	12.939	202	941052	21.555	ng	98
81) Benzo(a)anthracene	14.127	228	602679m	15.671	ng	
83) Chrysene	14.163	228	550597	15.422	ng	97
87) Indeno(1,2,3-cd)pyrene	17.209	276	320619	8.610	ng	97
88) Benzo(b)fluoranthene	15.210	252	812911m	22.262	ng	
89) Benzo(k)fluoranthene	15.239	252	289863m	8.184	ng	
90) Benzo(a)pyrene	15.598	252	572864	19.245	ng	97
91) Dibenzo(a,h)anthracene	17.221	278	85243	2.808	ng	# 86
92) Benzo(g,h,i)perylene	17.686	276	289803	9.515	ng	99

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

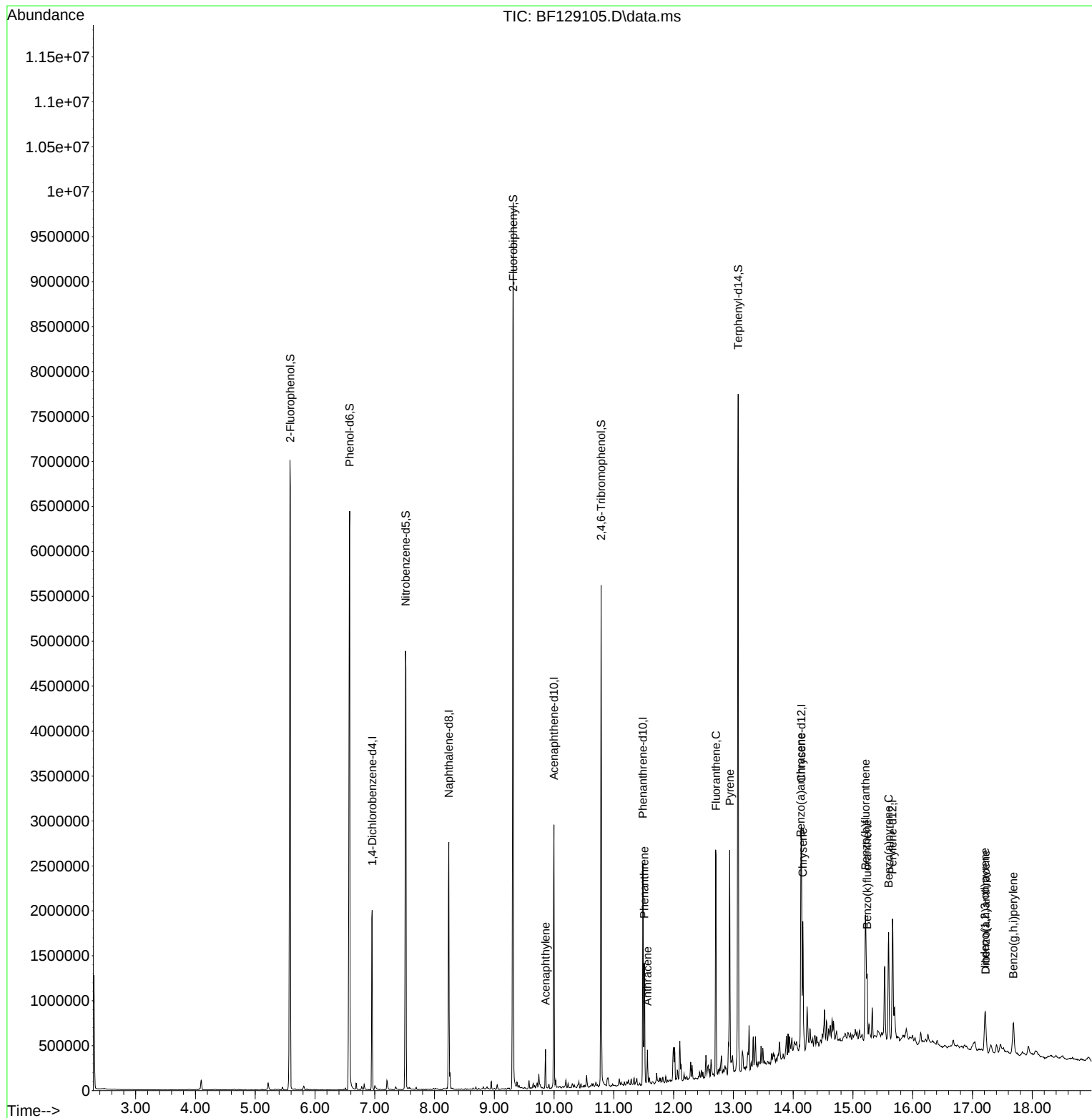
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070122\
Data File : BF129105.D
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Operator : CG\JU
Sample : N3562-16
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ALS Vial : 15 Sample Multiplier: 1

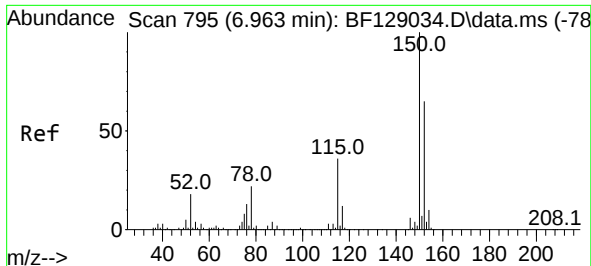
Instrument :
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Quant Time: Jul 02 01:27:16 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 29 17:05:31 2022
Response via : Initial Calibration

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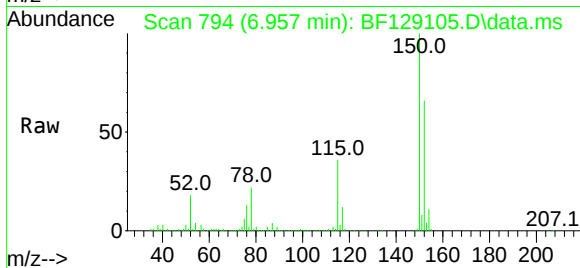
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.957 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF129105.D
Acq: 01 Jul 2022 21:58

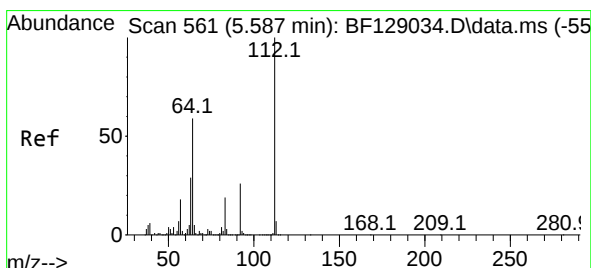
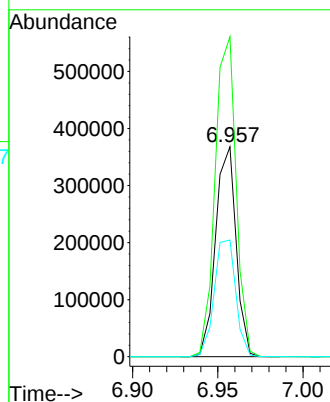
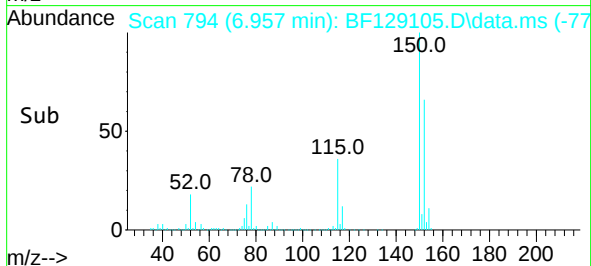
Instrument :
BNA_F
ClientSampleId :
SB-15



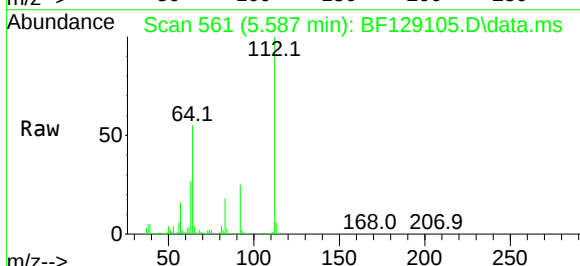
Tgt Ion:152 Resp: 307780
Ion Ratio Lower Upper
152 100
150 152.4 123.7 185.5
115 55.5 49.9 74.9

Manual Integrations
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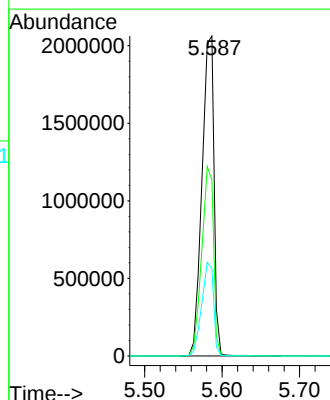
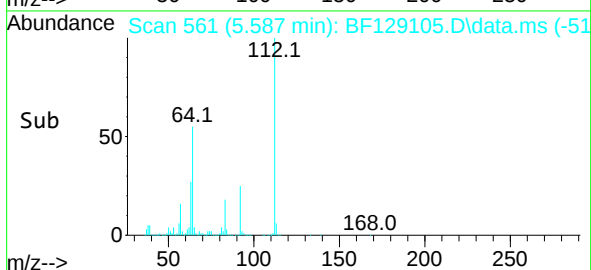
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022



#5
2-Fluorophenol
Concen: 122.051 ng
RT: 5.587 min Scan# 561
Delta R.T. -0.000 min
Lab File: BF129105.D
Acq: 01 Jul 2022 21:58



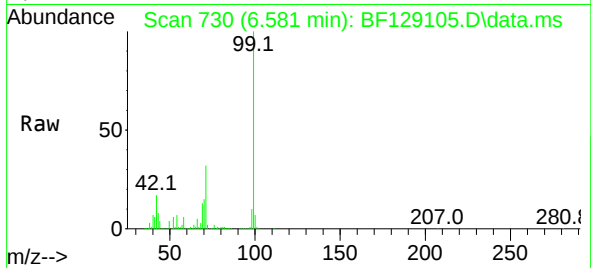
Tgt Ion:112 Resp: 2221940
Ion Ratio Lower Upper
112 100
64 55.1 53.3 79.9
63 27.3 28.0 42.0





#7
Phenol-d6
Concen: 121.098 ng
RT: 6.581 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF129105.D
Acq: 01 Jul 2022 21:58

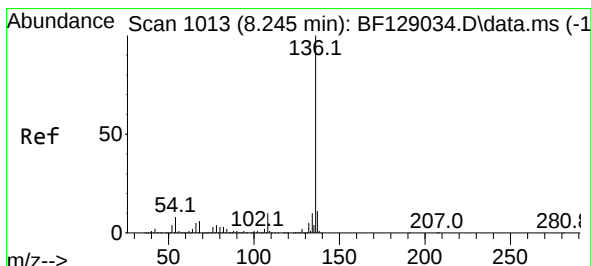
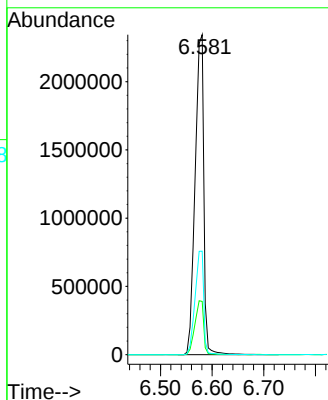
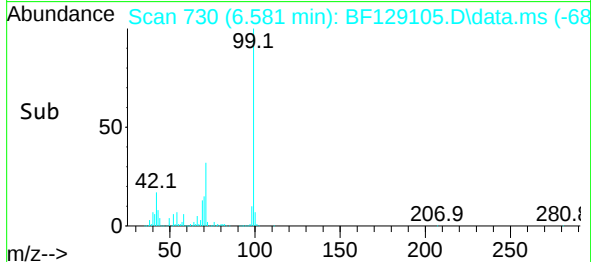
Instrument :
BNA_F
Client SampleId :
SB-15



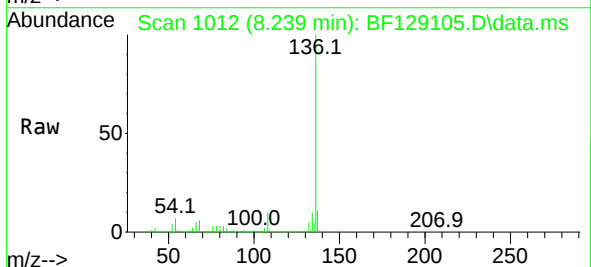
Tgt Ion: 99 Resp: 273802
Ion Ratio Lower Upper
99 100
42 16.6 17.3 25.9
71 32.3 28.9 43.3

Manual Integrations
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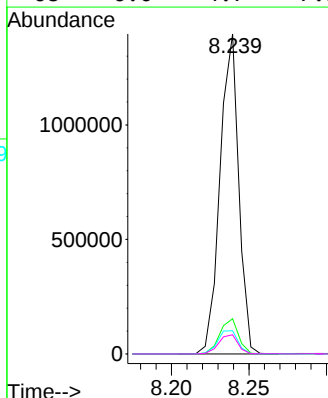
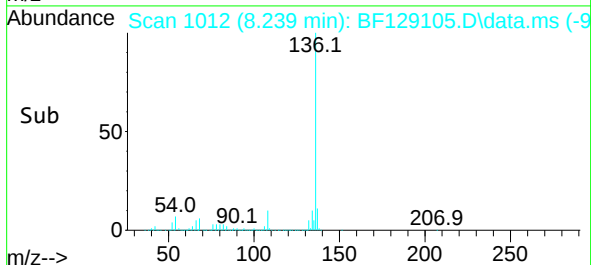
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022

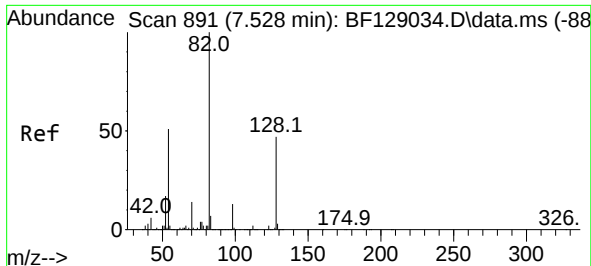


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF129105.D
Acq: 01 Jul 2022 21:58



Tgt Ion:136 Resp: 1171873
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.3 7.5 11.3
68 6.0 4.7 7.1





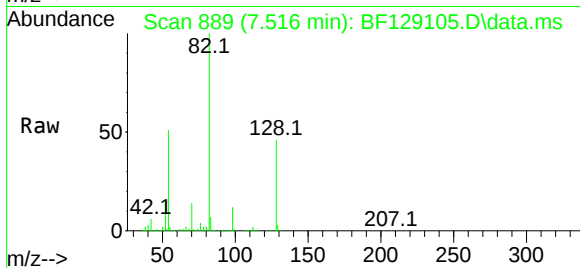
#23
Nitrobenzene-d5
Concen: 89.455 ng
RT: 7.516 min Scan# 891
Delta R.T. -0.012 min
Lab File: BF129105.D
Acq: 01 Jul 2022 21:58

Instrument :

BNA_F

ClientSampleId :

SB-15

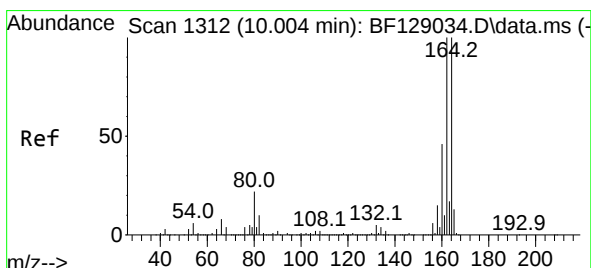
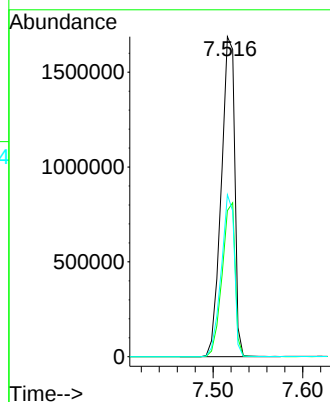
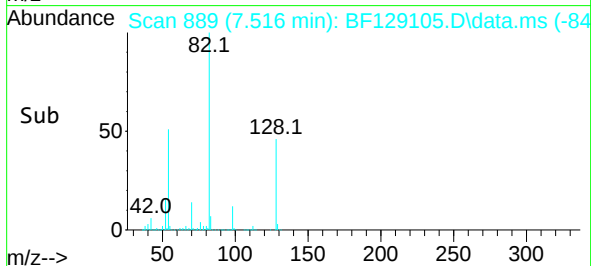


Tgt Ion: 82 Resp: 1757529
Ion Ratio Lower Upper
82 100
128 45.7 34.0 51.0
54 50.6 46.9 70.3

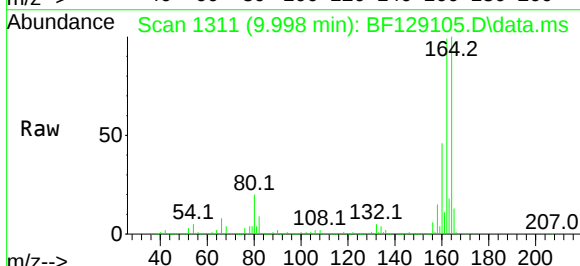
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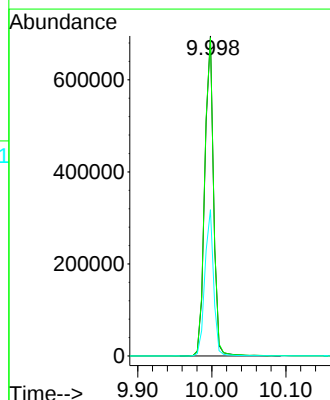
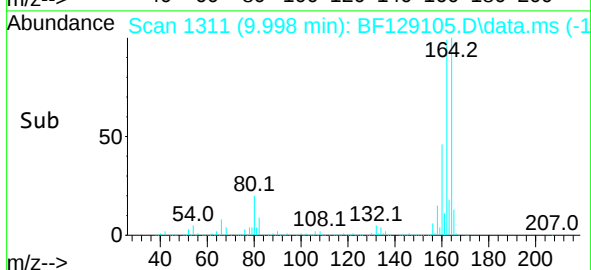
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1311
Delta R.T. -0.006 min
Lab File: BF129105.D
Acq: 01 Jul 2022 21:58



Tgt Ion:164 Resp: 572271
Ion Ratio Lower Upper
164 100
162 99.5 79.5 119.3
160 45.7 34.2 51.4





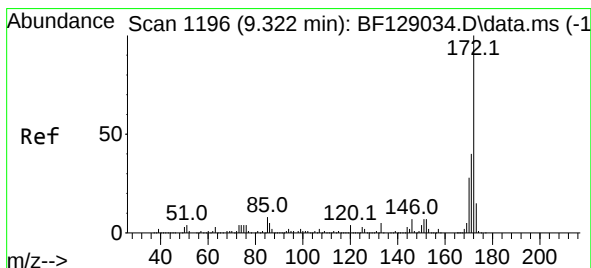
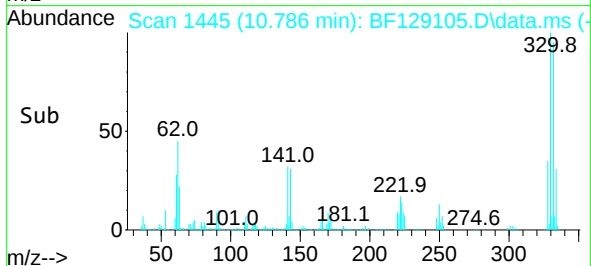
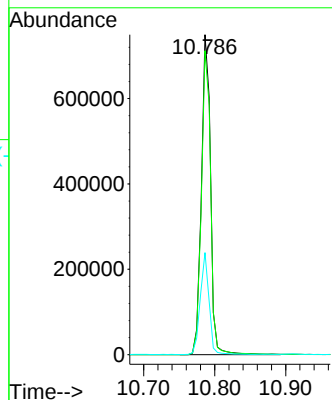
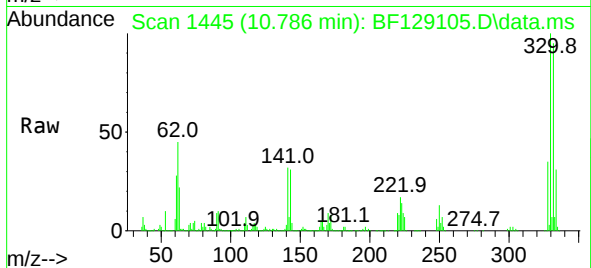
#42
2,4,6-Tribromophenol
Concen: 108.286 ng
RT: 10.786 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF129105.D
Acq: 01 Jul 2022 21:58

Instrument :
BNA_F
ClientSampleId :
SB-15

Tgt Ion:330 Resp: 67381
Ion Ratio Lower Upper
330 100
332 96.0 76.8 115.2
141 30.6 28.0 42.0

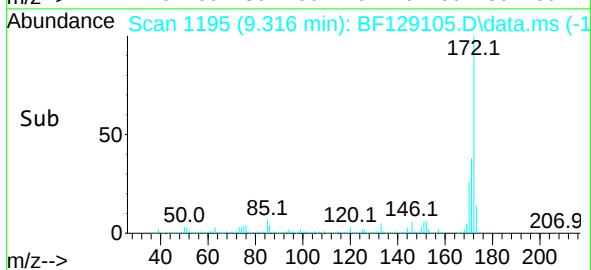
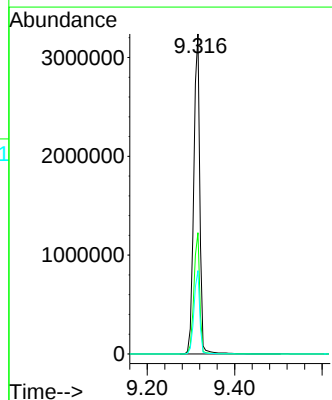
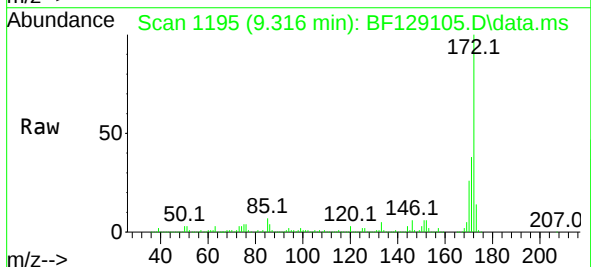
Manual Integrations
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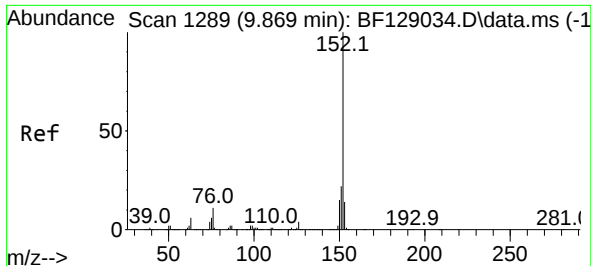
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022



#45
2-Fluorobiphenyl
Concen: 87.162 ng
RT: 9.316 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF129105.D
Acq: 01 Jul 2022 21:58

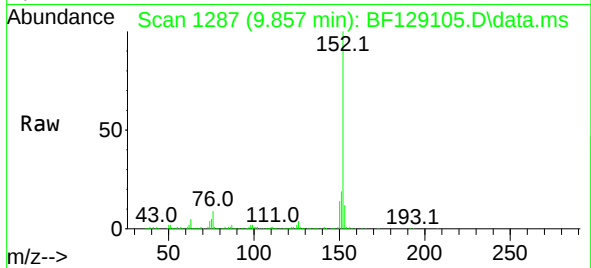
Tgt Ion:172 Resp: 3117921
Ion Ratio Lower Upper
172 100
171 37.9 28.8 43.2
170 26.1 19.8 29.8





#49
Acenaphthylene
Concen: 3.441 ng
RT: 9.857 min Scan# 1287
Delta R.T. -0.012 min
Lab File: BF129105.D
Acq: 01 Jul 2022 21:58

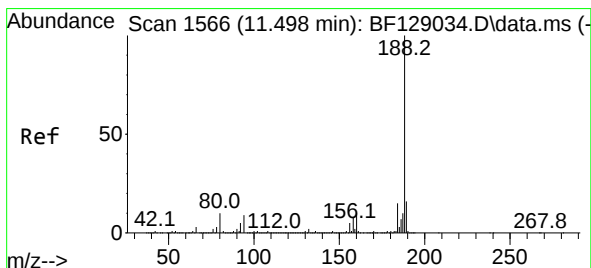
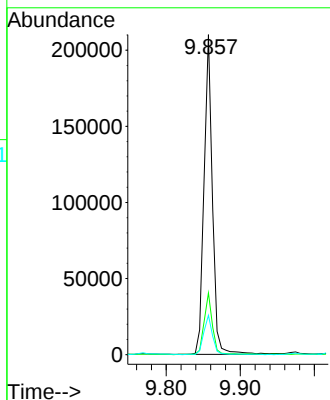
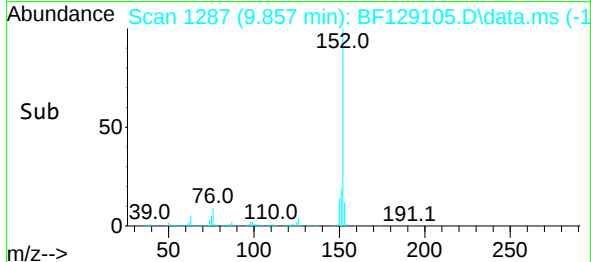
Instrument :
BNA_F
ClientSampleId :
SB-15



Tgt Ion:152 Resp: 166097
Ion Ratio Lower Upper
152 100
151 19.3 16.2 24.4
153 12.3 10.7 16.1

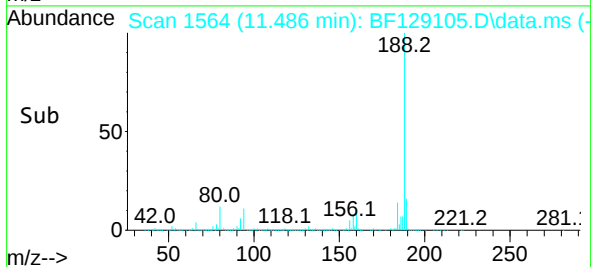
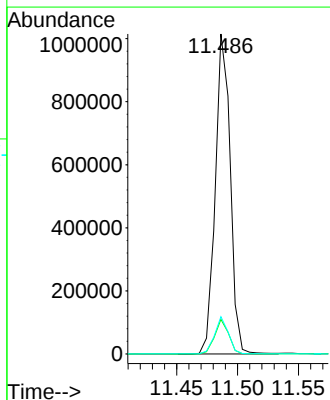
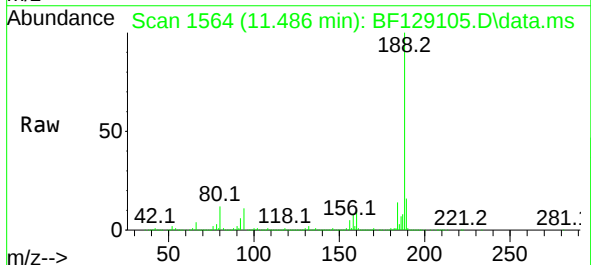
Manual Integrations
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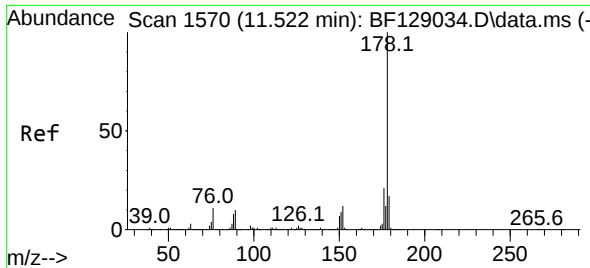
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1564
Delta R.T. -0.012 min
Lab File: BF129105.D
Acq: 01 Jul 2022 21:58

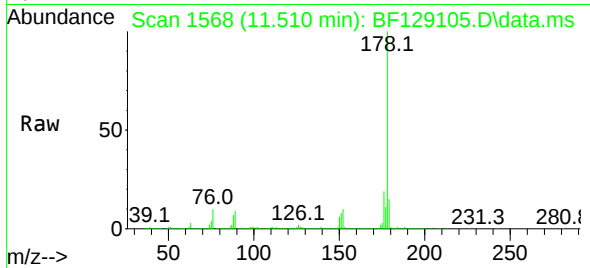
Tgt Ion:188 Resp: 869103
Ion Ratio Lower Upper
188 100
94 10.8 7.0 10.6#
80 11.7 7.6 11.4#





#71
Phenanthrene
Concen: 11.427 ng
RT: 11.510 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF129105.D
Acq: 01 Jul 2022 21:58

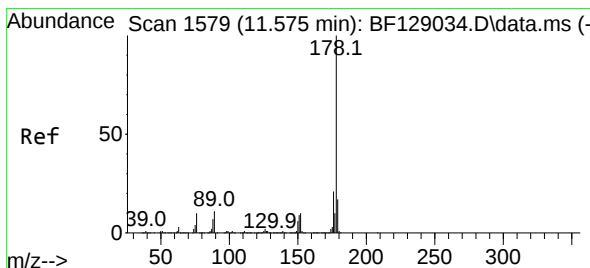
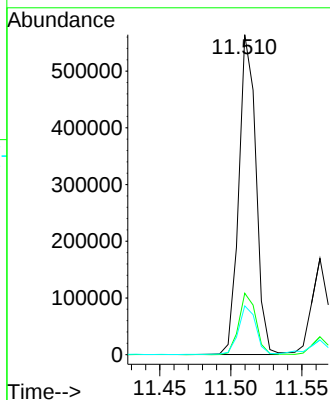
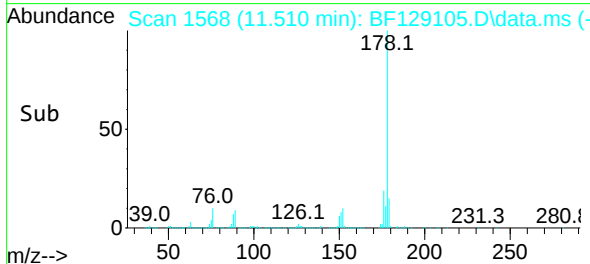
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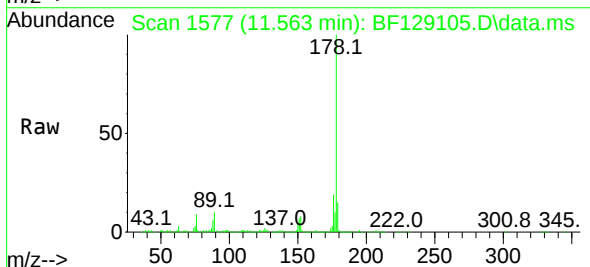
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Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 15.3 12.6 19.0

Manual Integrations
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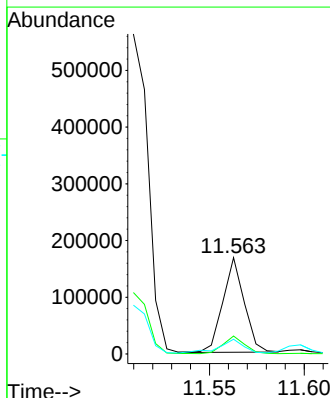
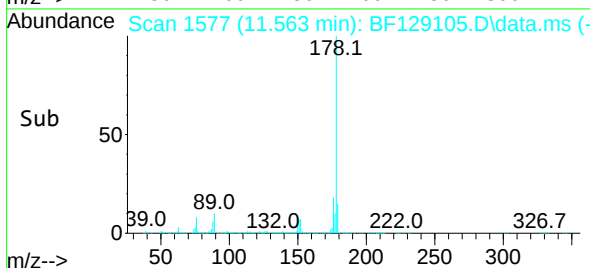
Reviewed By :Christian Giraldo 07/05/2022
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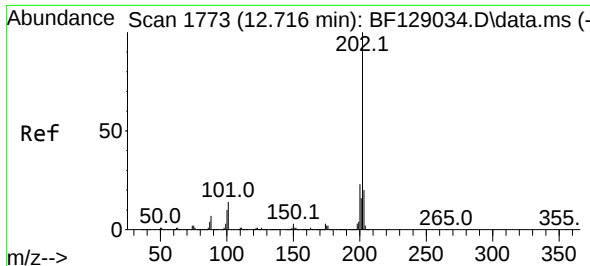


#72
Anthracene
Concen: 3.206 ng
RT: 11.563 min Scan# 1577
Delta R.T. -0.012 min
Lab File: BF129105.D
Acq: 01 Jul 2022 21:58



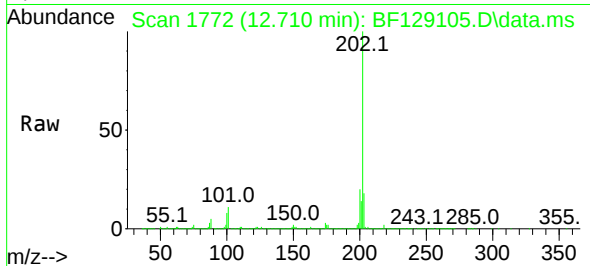
Tgt Ion:178 Resp: 131253
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.2
179 15.3 12.6 19.0





#75
Fluoranthene
Concen: 23.607 ng
RT: 12.710 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129105.D
Acq: 01 Jul 2022 21:58

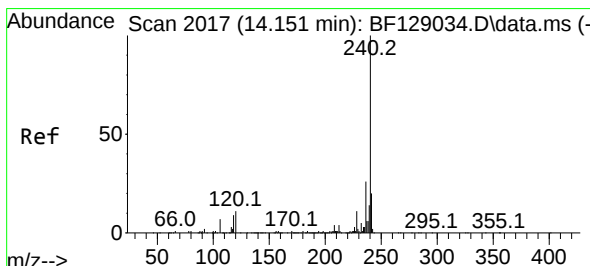
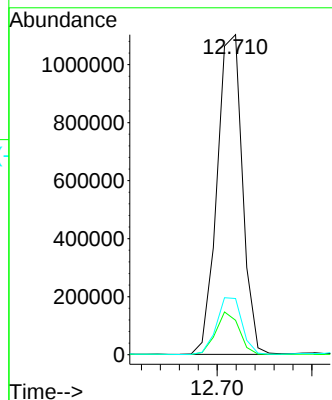
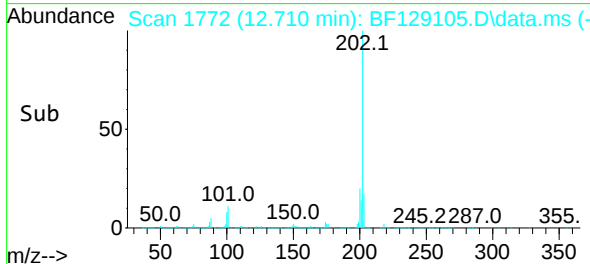
Instrument :
BNA_F
ClientSampleId :
SB-15



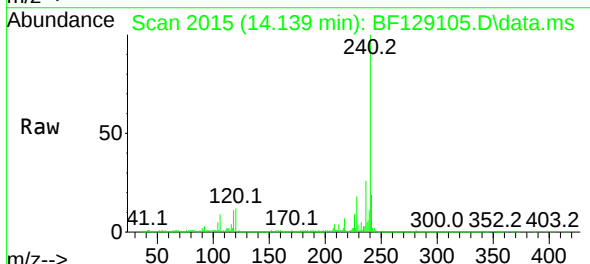
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Ion Ratio Lower Upper
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101 10.8 0.0 31.4
203 17.5 0.0 38.0

Manual Integrations
APPROVED

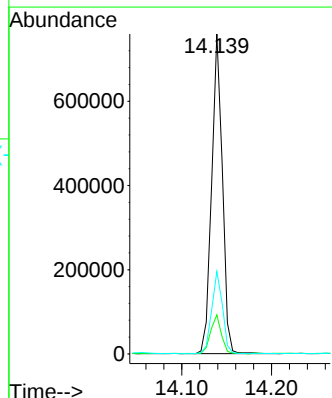
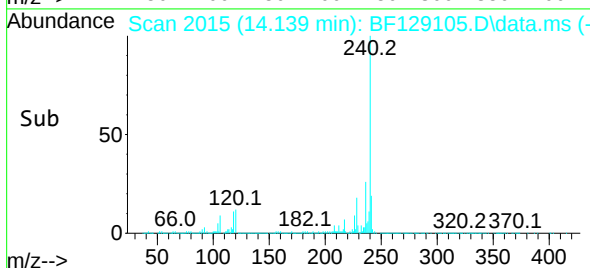
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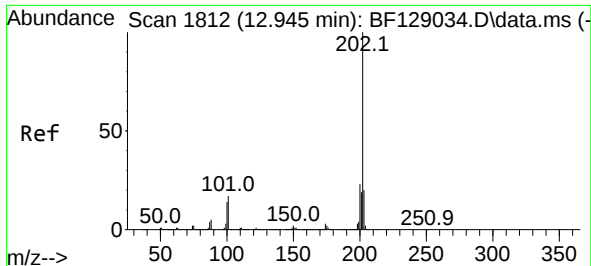


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.139 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF129105.D
Acq: 01 Jul 2022 21:58



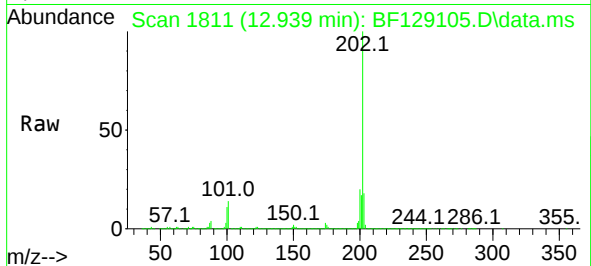
Tgt Ion:240 Resp: 629858
Ion Ratio Lower Upper
240 100
120 12.2 8.9 13.3
236 25.8 20.8 31.2





#78
Pyrene
Concen: 21.555 ng
RT: 12.939 min Scan# 1811
Delta R.T. -0.006 min
Lab File: BF129105.D
Acq: 01 Jul 2022 21:58

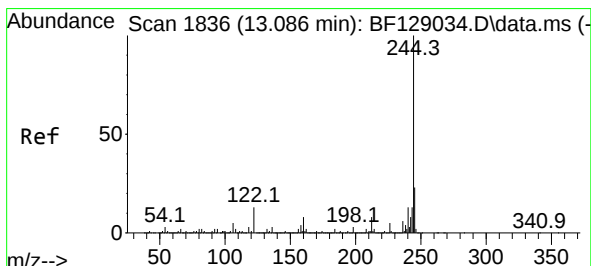
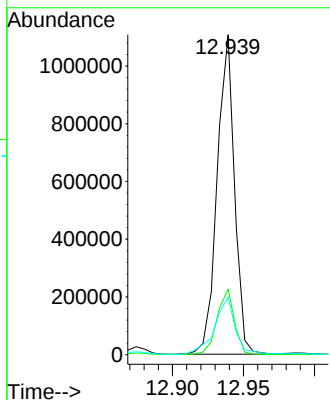
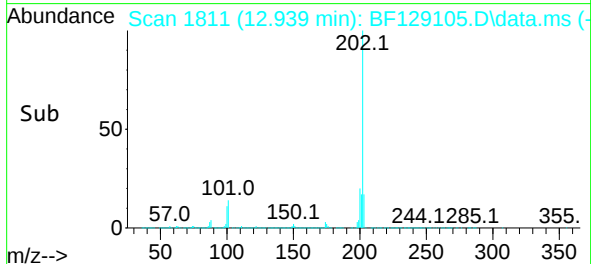
Instrument :
BNA_F
ClientSampleId :
SB-15



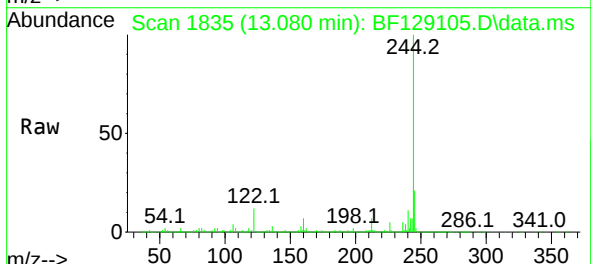
Tgt Ion:202 Resp: 941052
Ion Ratio Lower Upper
202 100
200 20.5 17.7 26.5
203 18.0 14.6 21.8

Manual Integrations
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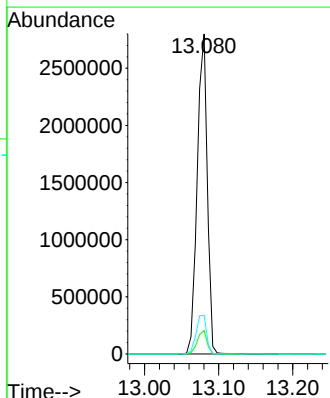
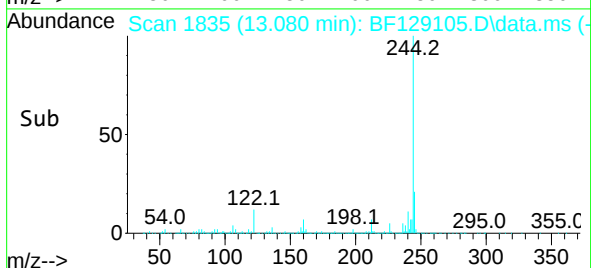
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022

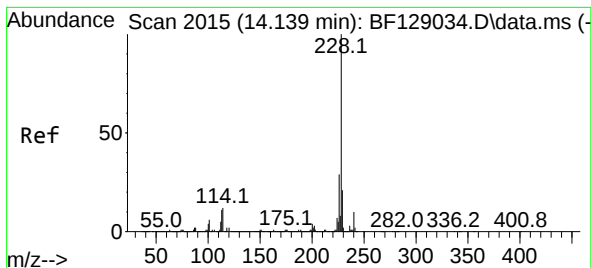


#79
Terphenyl-d14
Concen: 86.611 ng
RT: 13.080 min Scan# 1835
Delta R.T. -0.006 min
Lab File: BF129105.D
Acq: 01 Jul 2022 21:58



Tgt Ion:244 Resp: 2626978
Ion Ratio Lower Upper
244 100
212 7.3 6.1 9.1
122 12.1 8.8 13.2





#81

Benzo(a)anthracene

Concen: 15.671 ng m

RT: 14.127 min Scan# 2019

Delta R.T. -0.012 min

Lab File: BF129105.D

Acq: 01 Jul 2022 21:58

Instrument :

BNA_F

ClientSampleId :

SB-15

Tgt Ion:228 Resp: 602679

Ion Ratio Lower Upper

228 100

226 33.2 22.1 33.1

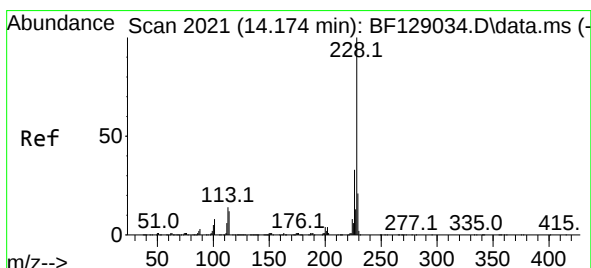
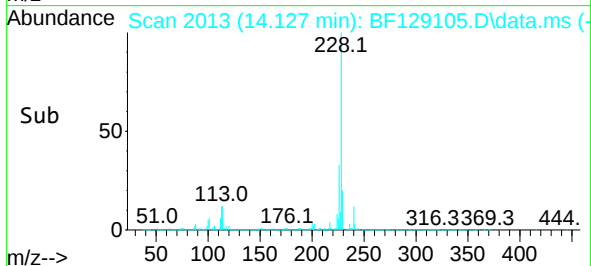
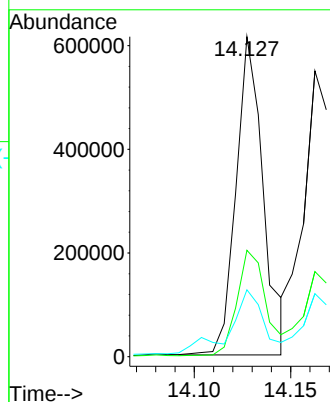
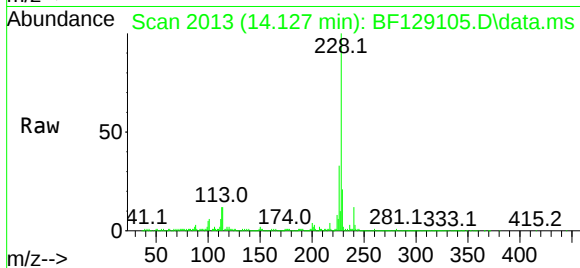
229 20.9 15.8 23.8

Manual Integrations

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Reviewed By :Christian Giraldo 07/05/2022

Supervised By :Jagrut Upadhyay 07/05/2022



#83

Chrysene

Concen: 15.422 ng

RT: 14.163 min Scan# 2019

Delta R.T. -0.012 min

Lab File: BF129105.D

Acq: 01 Jul 2022 21:58

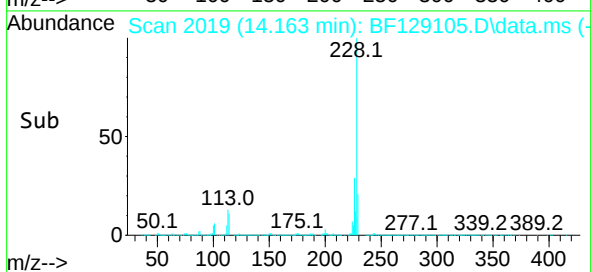
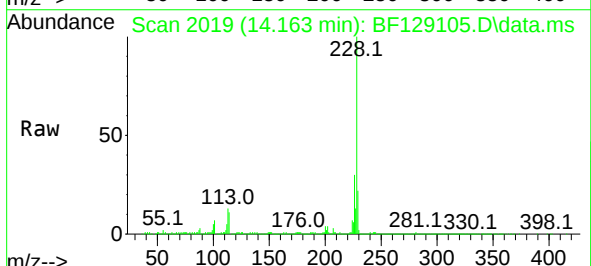
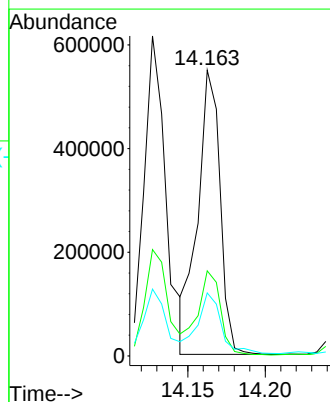
Tgt Ion:228 Resp: 550597

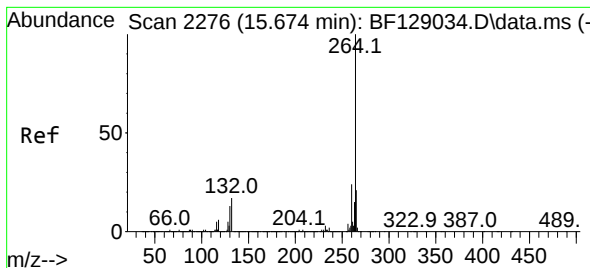
Ion Ratio Lower Upper

228 100

226 29.8 24.3 36.5

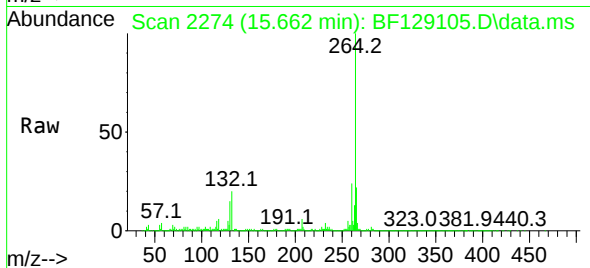
229 22.0 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.662 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF129105.D
Acq: 01 Jul 2022 21:58

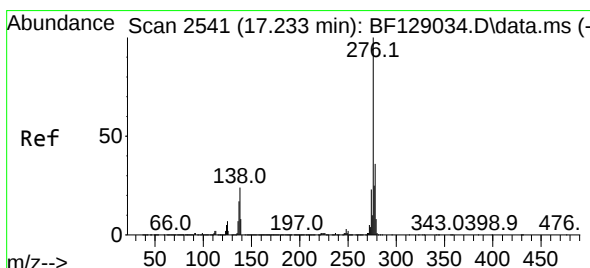
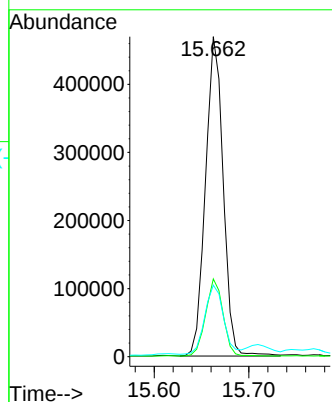
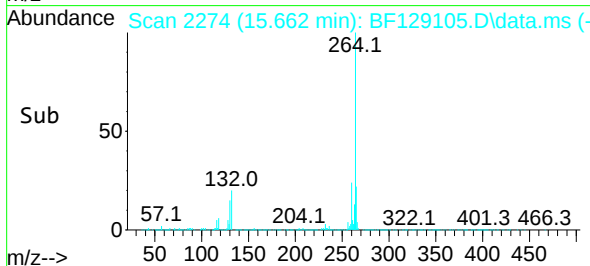
Instrument :
BNA_F
ClientSampleId :
SB-15



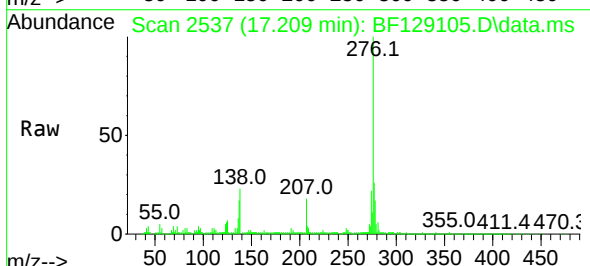
Tgt Ion:264 Resp: 607168
Ion Ratio Lower Upper
264 100
260 24.3 18.4 27.6
265 22.4 17.2 25.8

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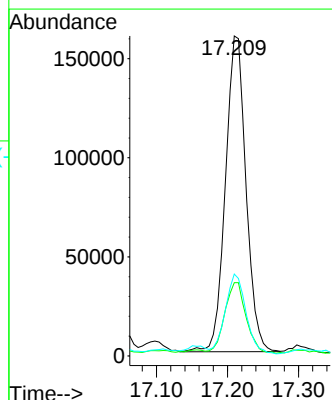
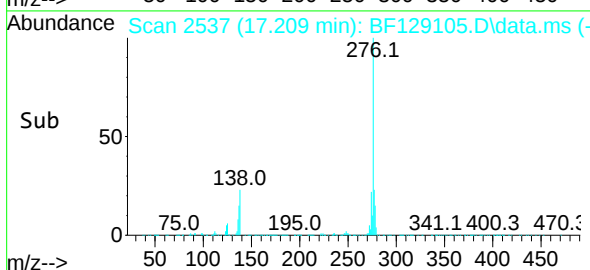
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022

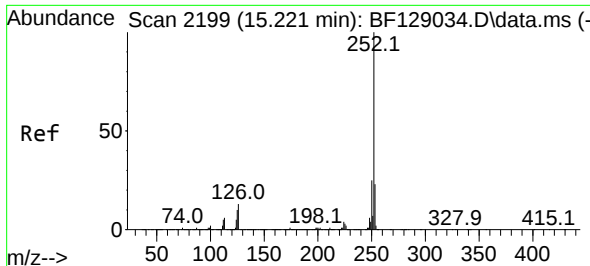


#87
Indeno(1,2,3-cd)pyrene
Concen: 8.610 ng
RT: 17.209 min Scan# 2537
Delta R.T. -0.024 min
Lab File: BF129105.D
Acq: 01 Jul 2022 21:58



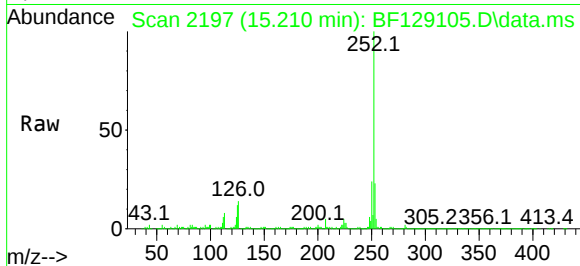
Tgt Ion:276 Resp: 320619
Ion Ratio Lower Upper
276 100
138 23.2 21.1 31.7
277 25.3 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 22.262 ng m
RT: 15.210 min Scan# 2199
Delta R.T. -0.012 min
Lab File: BF129105.D
Acq: 01 Jul 2022 21:58

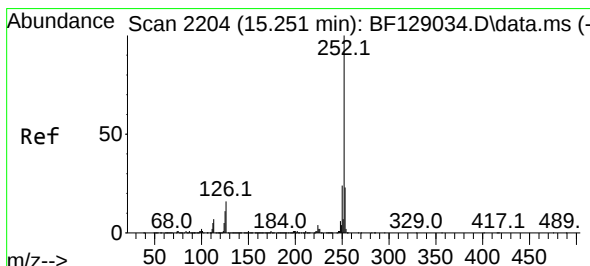
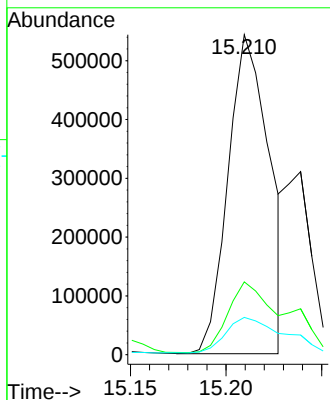
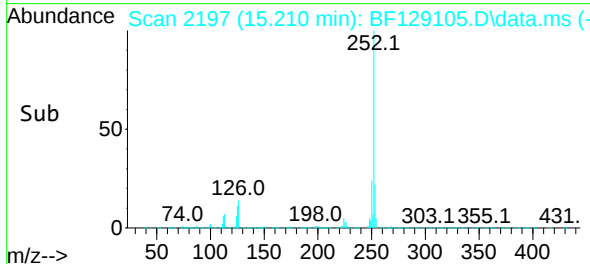
Instrument :
BNA_F
ClientSampleId :
SB-15



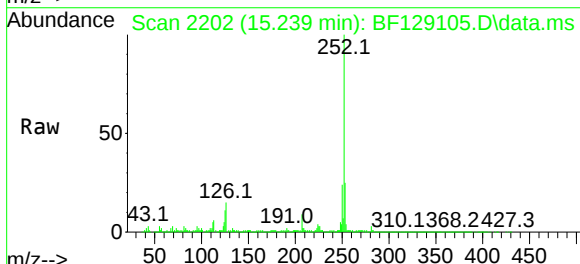
Tgt Ion:252 Resp: 81291
Ion Ratio Lower Upper
252 100
253 22.7 17.7 26.5
125 11.7 8.0 12.0

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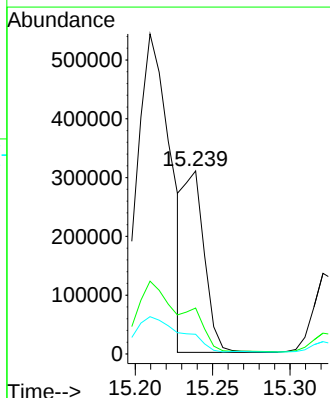
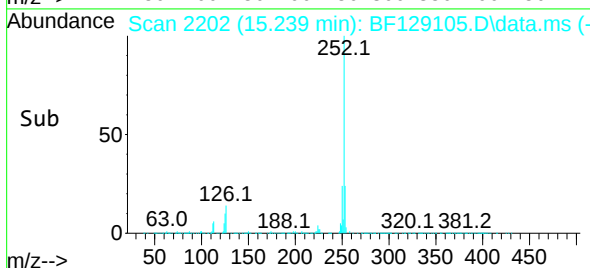
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022

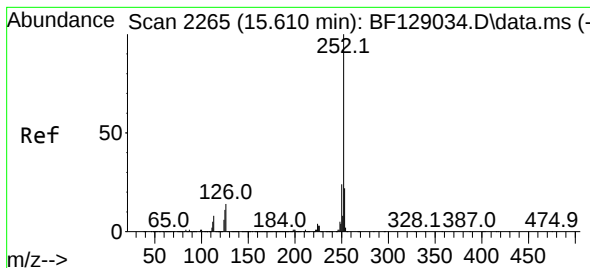


#89
Benzo(k)fluoranthene
Concen: 8.184 ng m
RT: 15.239 min Scan# 2202
Delta R.T. -0.012 min
Lab File: BF129105.D
Acq: 01 Jul 2022 21:58



Tgt Ion:252 Resp: 289863
Ion Ratio Lower Upper
252 100
253 25.1 17.8 26.6
125 10.8 8.3 12.5





#90

Benzo(a)pyrene

Concen: 19.245 ng

RT: 15.598 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF129105.D

Acq: 01 Jul 2022 21:58

Instrument :

BNA_F

ClientSampleId :

SB-15

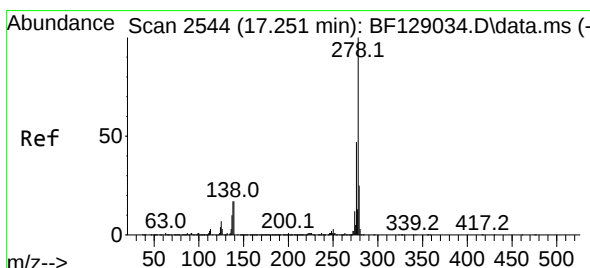
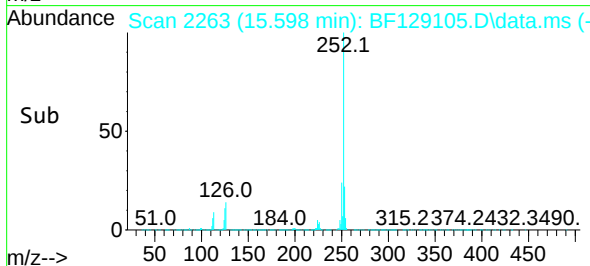
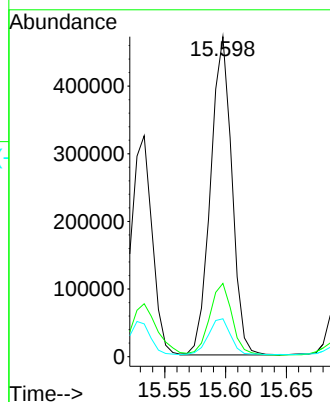
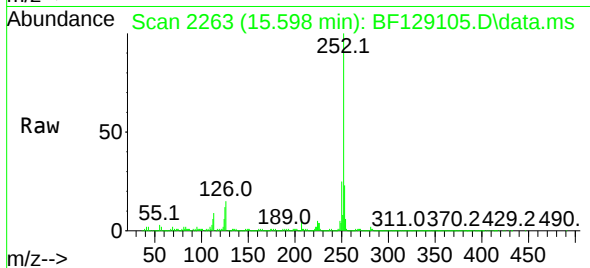
Tgt Ion:252 Resp: 572864
 Ion Ratio Lower Upper
 252 100
 253 22.9 17.0 25.6
 125 11.8 8.8 13.2

Manual Integrations

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Reviewed By :Christian Giraldo 07/05/2022

Supervised By :Jagrut Upadhyay 07/05/2022



#91

Dibenzo(a,h)anthracene

Concen: 2.808 ng

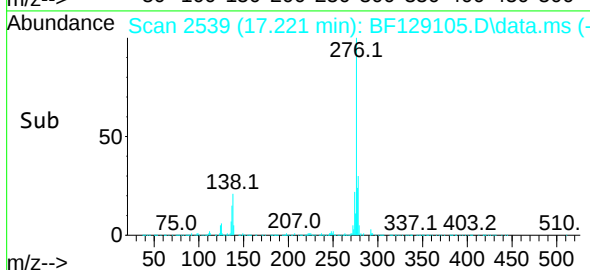
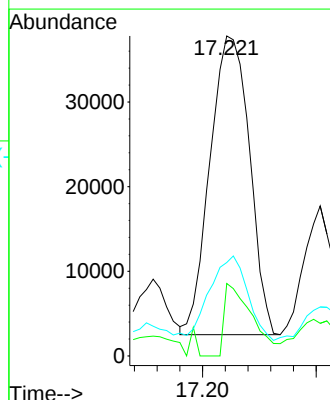
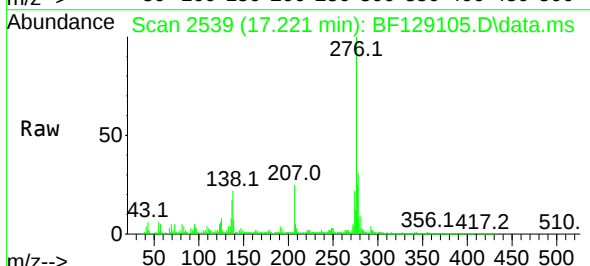
RT: 17.221 min Scan# 2539

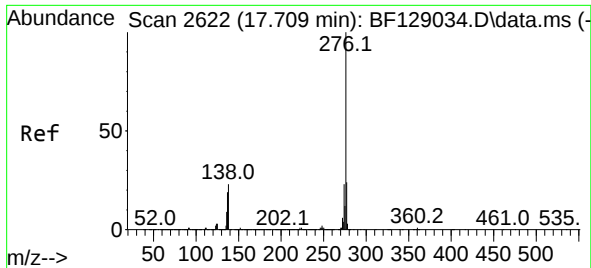
Delta R.T. -0.030 min

Lab File: BF129105.D

Acq: 01 Jul 2022 21:58

Tgt Ion:278 Resp: 85243
 Ion Ratio Lower Upper
 278 100
 139 22.7 12.8 19.2#
 279 29.2 18.6 28.0#





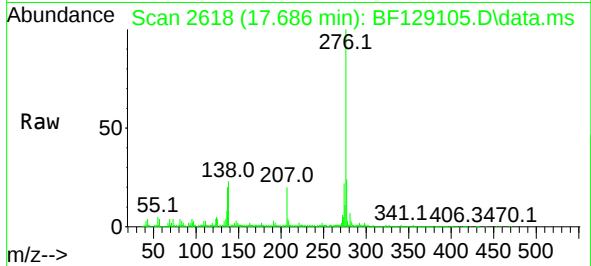
#92
 Benzo(g,h,i)perylene
 Concen: 9.515 ng
 RT: 17.686 min Scan# 20
 Delta R.T. -0.024 min
 Lab File: BF129105.D
 Acq: 01 Jul 2022 21:58

Instrument :

BNA_F

ClientSampleId :

SB-15



Tgt Ion:276 Resp: 28980
 Ion Ratio Lower Upper
 276 100
 277 24.1 19.1 28.7
 138 23.2 18.0 27.0

Manual Integrations

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Reviewed By :Christian Giraldo 07/05/2022
 Supervised By :Jagrut Upadhyay 07/05/2022

