

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011022\
 Data File : BM033692.D
 Acq On : 10 Jan 2022 18:28
 Operator : CG/JU
 Sample : N1081-03 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OB-CS-13

Manual Integrations
 APPROVED

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

Quant Time: Jan 11 02:26:23 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM010522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 05 17:07:26 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.978	152	216383	20.000	ng	0.00
21) Naphthalene-d8	10.795	136	923790	20.000	ng	#-0.01
39) Acenaphthene-d10	14.618	164	595592	20.000	ng	0.00
64) Phenanthrene-d10	17.354	188	1121201	20.000	ng	0.00
76) Chrysene-d12	21.518	240	800261	20.000	ng	0.00
86) Perylene-d12	23.959	264	838112	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.519	112	66157	4.822	ng	0.00
7) Phenol-d6	7.131	99	337947	18.276	ng	0.00
23) Nitrobenzene-d5	9.136	82	489360	24.464	ng	-0.02
42) 2,4,6-Tribromophenol	16.095	330	23682	3.807	ng	-0.01
45) 2-Fluorobiphenyl	13.248	172	1136093	24.984	ng	-0.01
79) Terphenyl-d14	19.965	244	1326886	29.845	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.336	152	133359	2.339	ng	97
71) Phenanthrene	17.395	178	452688	7.056	ng	99
72) Anthracene	17.483	178	213019	3.385	ng	96
75) Fluoranthene	19.406	202	2001559	29.717	ng	97
78) Pyrene	19.765	202	3435378	60.972	ng	97
81) Benzo(a)anthracene	21.506	228	1044615	19.250	ng	# 83
83) Chrysene	21.559	228	1107034	21.318	ng	# 93
87) Indeno(1,2,3-cd)pyrene	26.506	276	506555	8.196	ng	96
88) Benzo(b)fluoranthene	23.218	252	979864	18.338	ng	# 92
89) Benzo(k)fluoranthene	23.259	252	305789m	5.905	ng	
90) Benzo(a)pyrene	23.847	252	850743	19.183	ng	# 92
91) Dibenzo(a,h)anthracene	26.506	278	154828	3.016	ng	# 54
92) Benzo(g,h,i)perylene	27.300	276	825076	16.348	ng	97

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

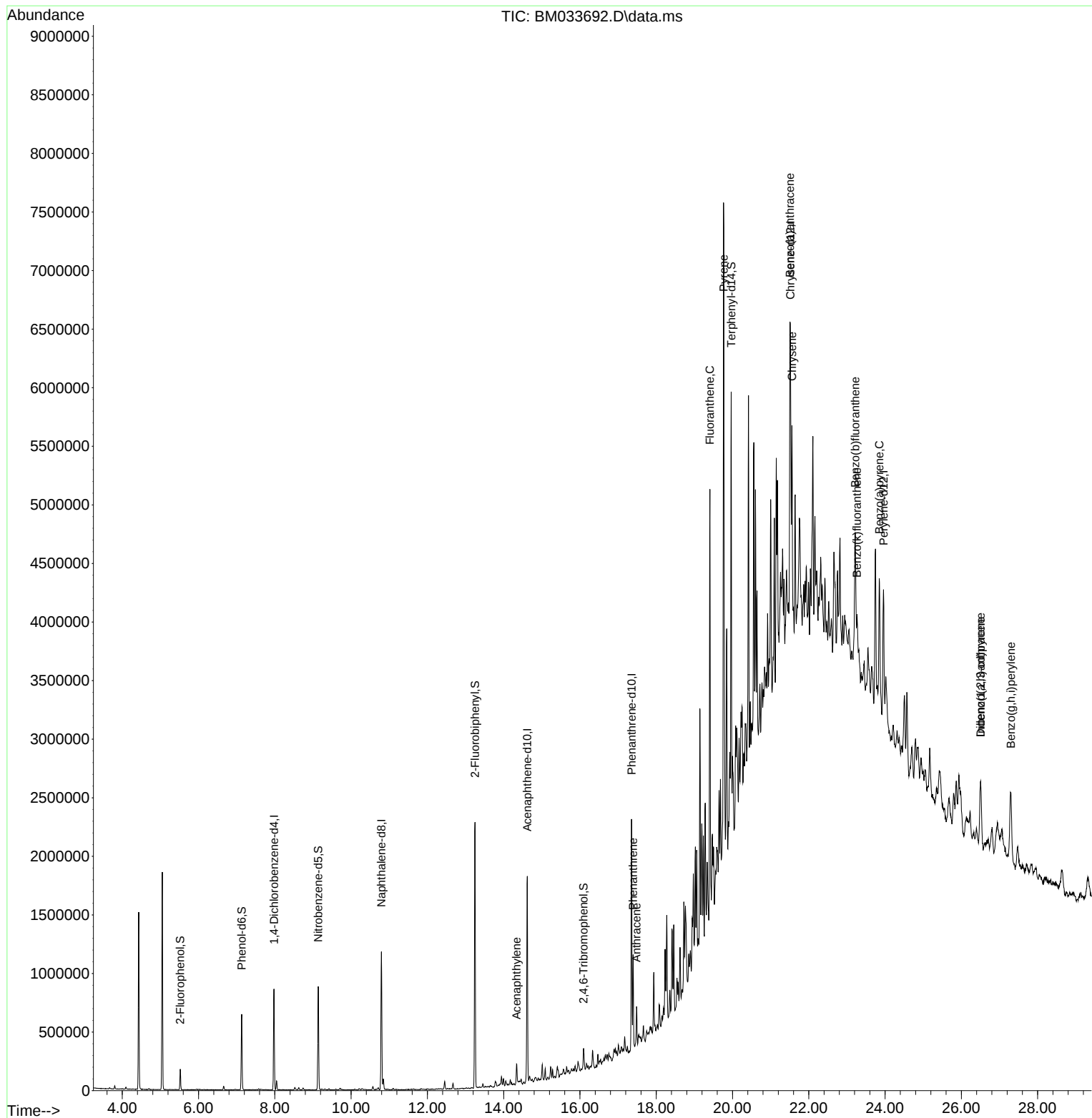
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011022\
Data File : BM033692.D
Acq On : 10 Jan 2022 18:28
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Manual Integrations
APPROVED

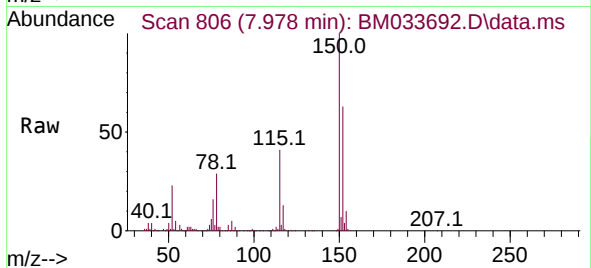
Reviewed By : Christian Giraldo 01/11/2022
Supervised By : Jagrut Upadhyay 01/11/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.978 min Scan# 807
Delta R.T. -0.006 min
Lab File: BM033692.D
Acq: 10 Jan 2022 18:28

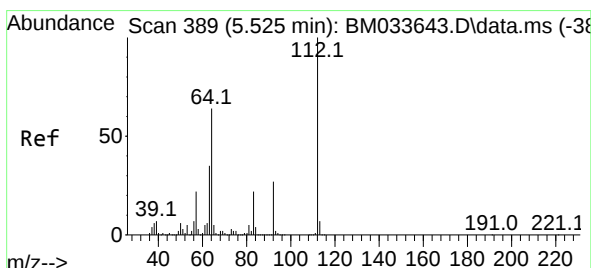
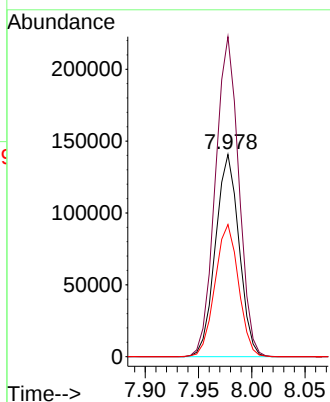
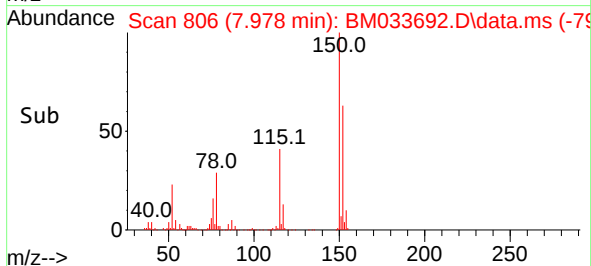
Instrument :
BNA_M
ClientSampleId :
OB-CS-13



Tgt Ion:152 Resp: 21638
Ion Ratio Lower Upper
152 100
150 158.2 128.9 193.3
115 65.4 53.0 79.6

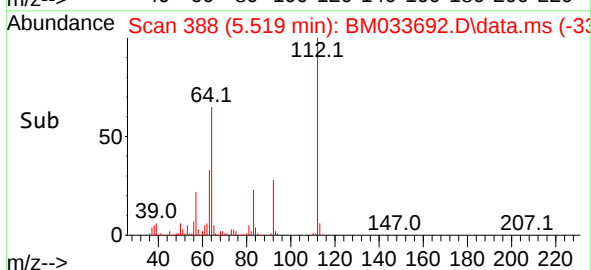
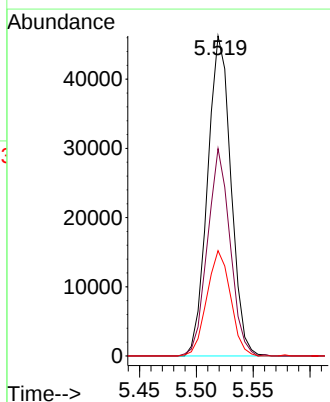
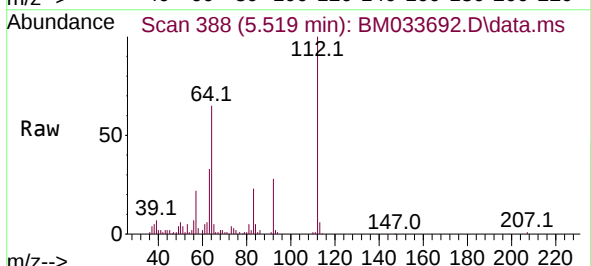
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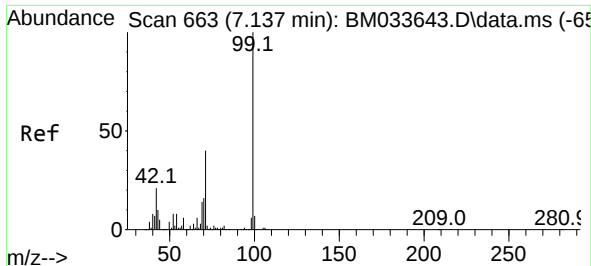
Reviewed By :Christian Giraldo 01/11/2022
Supervised By :Jagrut Upadhyay 01/11/2022



#5
2-Fluorophenol
Concen: 4.822 ng
RT: 5.519 min Scan# 388
Delta R.T. -0.006 min
Lab File: BM033692.D
Acq: 10 Jan 2022 18:28

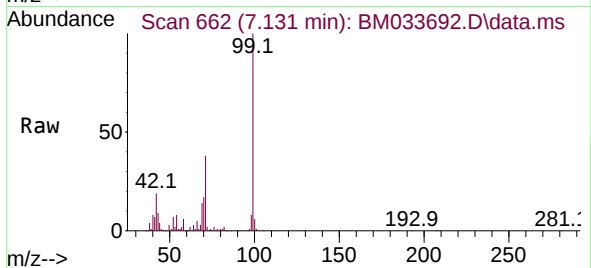
Tgt Ion:112 Resp: 66157
Ion Ratio Lower Upper
112 100
64 64.8 55.5 83.3
63 32.9 31.3 46.9





#7
Phenol-d6
Concen: 18.276 ng
RT: 7.131 min Scan# 60
Delta R.T. -0.006 min
Lab File: BM033692.D
Acq: 10 Jan 2022 18:28

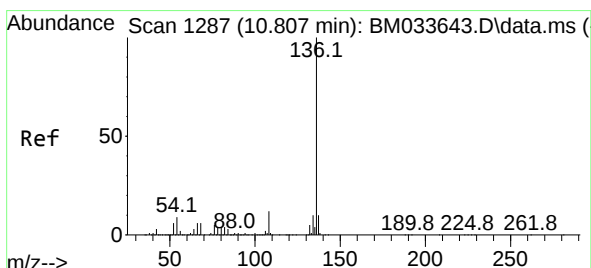
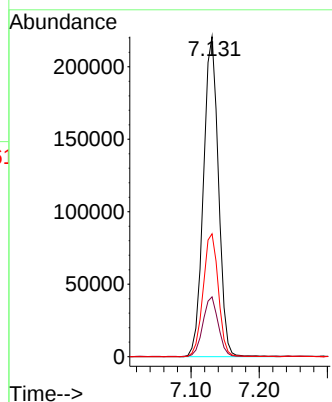
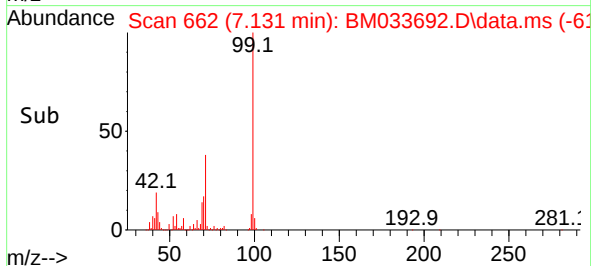
Instrument :
BNA_M
ClientSampleId :
OB-CS-13



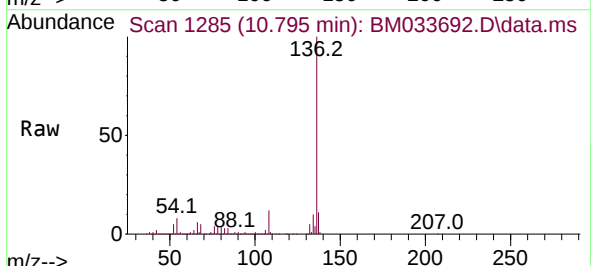
Tgt Ion: 99 Resp: 33794
Ion Ratio Lower Upper
99 100
42 18.7 20.3 30.5
71 38.4 34.5 51.7

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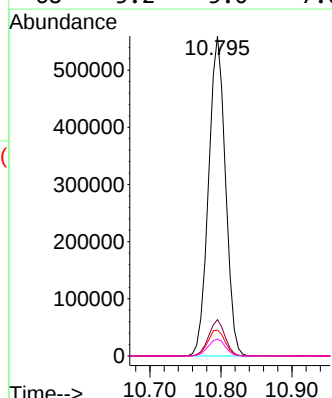
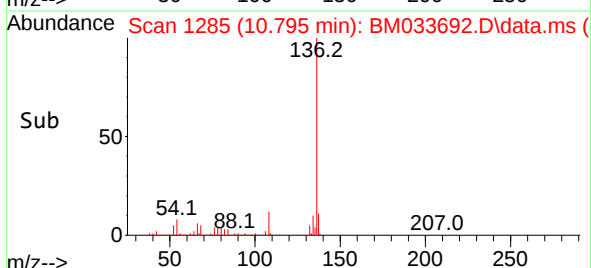
Reviewed By :Christian Giraldo 01/11/2022
Supervised By :Jagrut Upadhyay 01/11/2022

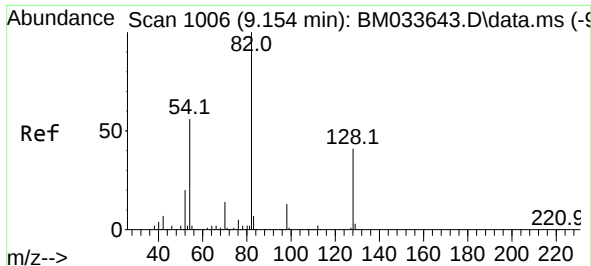


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.795 min Scan# 1285
Delta R.T. -0.012 min
Lab File: BM033692.D
Acq: 10 Jan 2022 18:28



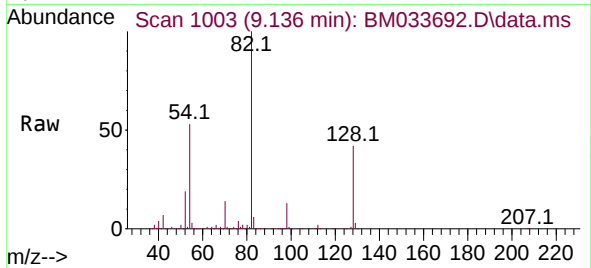
Tgt Ion:136 Resp: 923790
Ion Ratio Lower Upper
136 100
137 11.3 8.6 13.0
54 8.1 8.3 12.5#
68 5.2 5.0 7.6





#23
Nitrobenzene-d5
Concen: 24.464 ng
RT: 9.136 min Scan# 1003
Delta R.T. -0.018 min
Lab File: BM033692.D
Acq: 10 Jan 2022 18:28

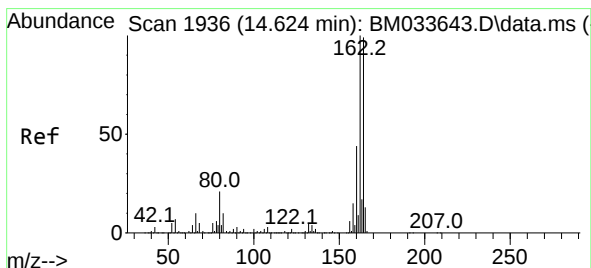
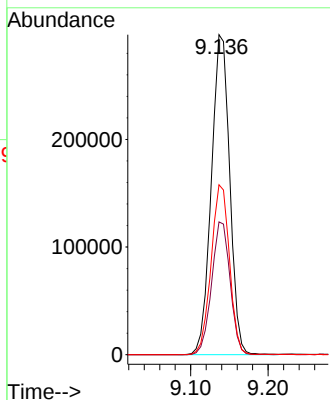
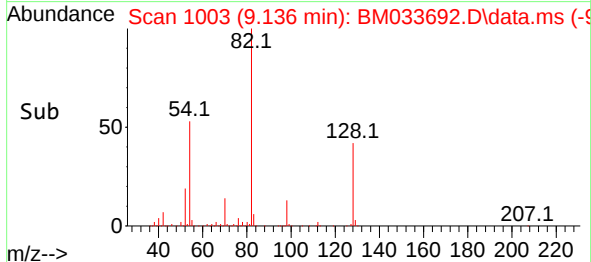
Instrument :
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ClientSampleId :
OB-CS-13



Tgt Ion: 82 Resp: 489360
Ion Ratio Lower Upper
82 100
128 41.5 28.1 42.1
54 53.1 46.1 69.1

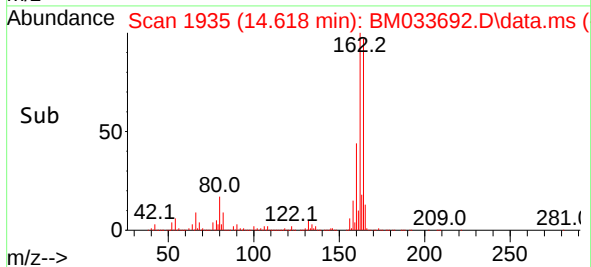
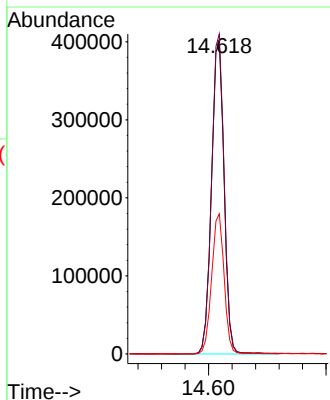
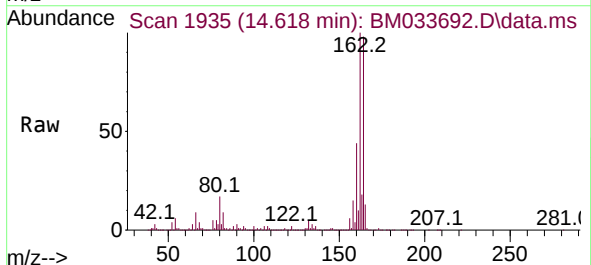
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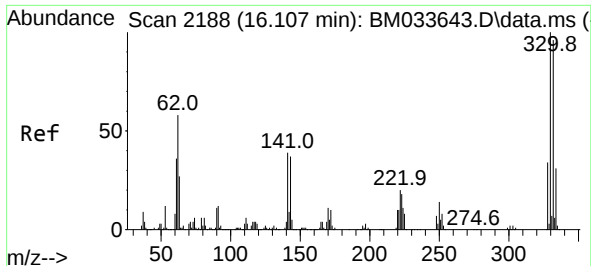
Reviewed By :Christian Giraldo 01/11/2022
Supervised By :Jagrut Upadhyay 01/11/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.618 min Scan# 1935
Delta R.T. -0.006 min
Lab File: BM033692.D
Acq: 10 Jan 2022 18:28

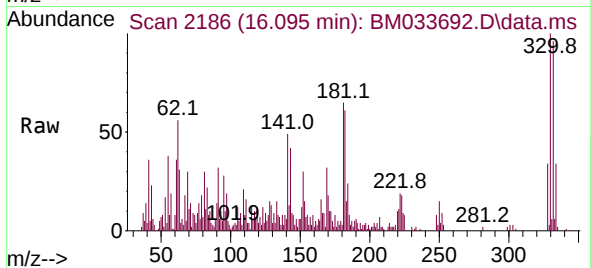
Tgt Ion:164 Resp: 595592
Ion Ratio Lower Upper
164 100
162 102.5 79.7 119.5
160 44.9 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 3.807 ng
RT: 16.095 min Scan# 2188
Delta R.T. -0.012 min
Lab File: BM033692.D
Acq: 10 Jan 2022 18:28

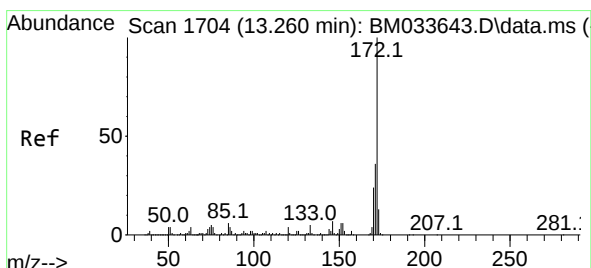
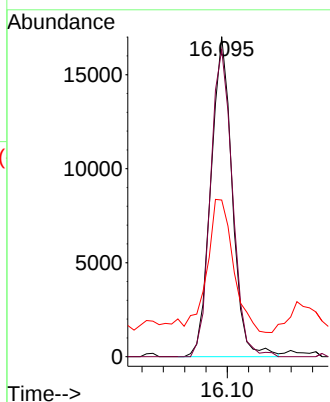
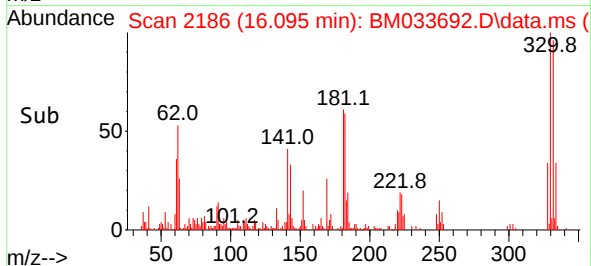
Instrument :
BNA_M
ClientSampleId :
OB-CS-13



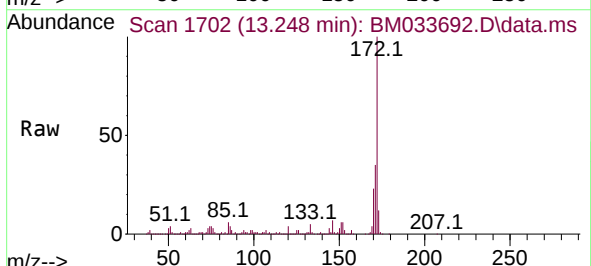
Tgt Ion:330 Resp: 2368
Ion Ratio Lower Upper
330 100
332 99.0 76.5 114.7
141 51.1 35.9 53.9

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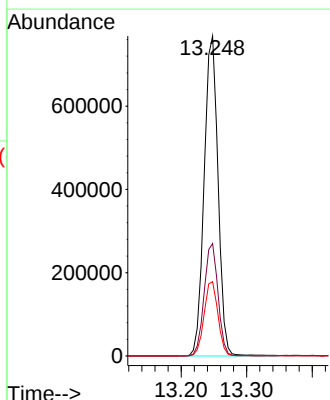
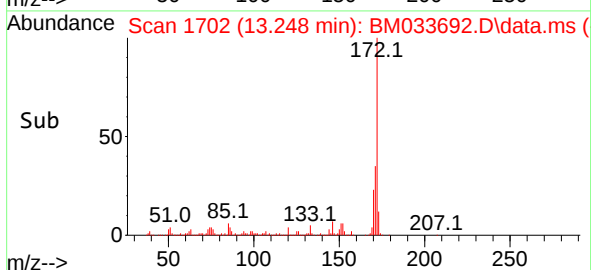
Reviewed By :Christian Giraldo 01/11/2022
Supervised By :Jagrut Upadhyay 01/11/2022

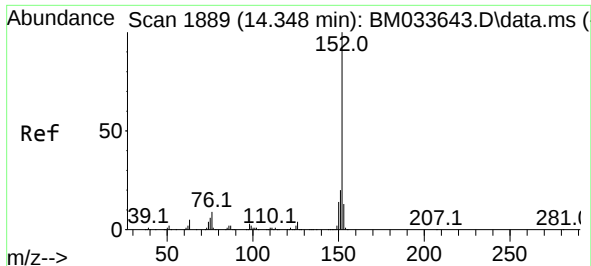


#45
2-Fluorobiphenyl
Concen: 24.984 ng
RT: 13.248 min Scan# 1702
Delta R.T. -0.012 min
Lab File: BM033692.D
Acq: 10 Jan 2022 18:28



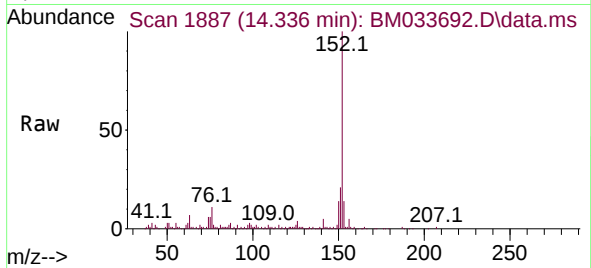
Tgt Ion:172 Resp: 1136093
Ion Ratio Lower Upper
172 100
171 35.1 27.2 40.8
170 23.2 18.7 28.1





#49
Acenaphthylene
Concen: 2.339 ng
RT: 14.336 min Scan# 11
Delta R.T. -0.012 min
Lab File: BM033692.D
Acq: 10 Jan 2022 18:28

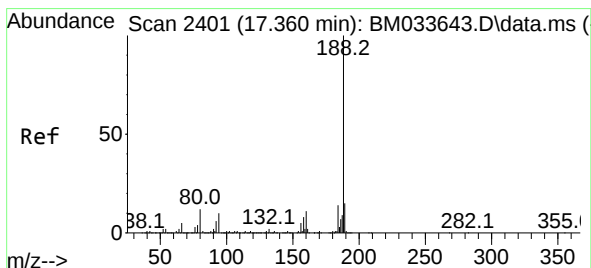
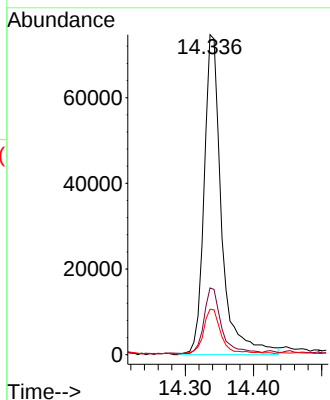
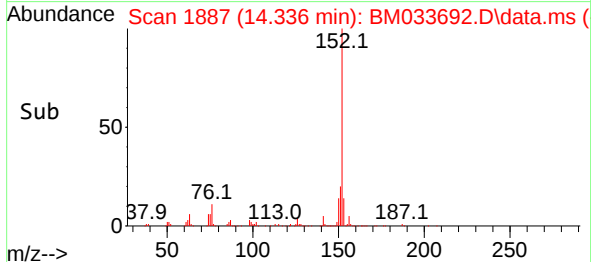
Instrument :
BNA_M
ClientSampleId :
OB-CS-13



Tgt Ion:152 Resp: 133359
Ion Ratio Lower Upper
152 100
151 20.9 15.4 23.2
153 14.2 10.4 15.6

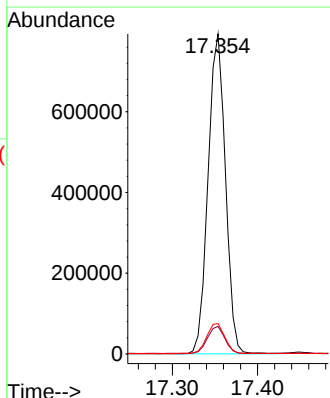
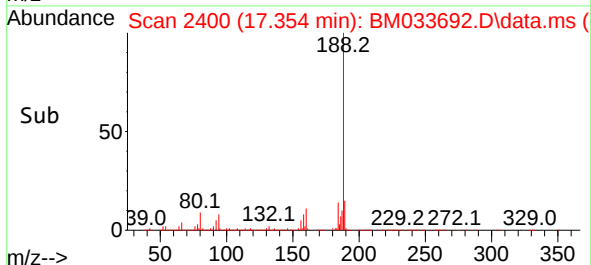
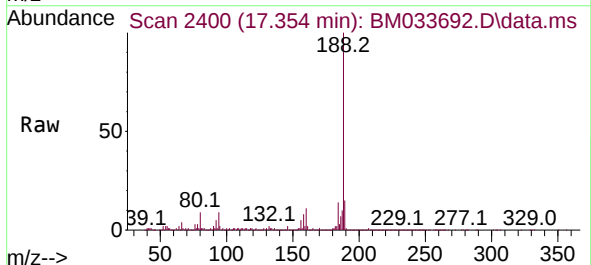
Manual Integrations
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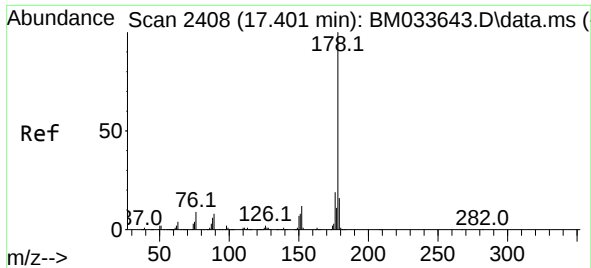
Reviewed By :Christian Giraldo 01/11/2022
Supervised By :Jagrut Upadhyay 01/11/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.354 min Scan# 2400
Delta R.T. -0.006 min
Lab File: BM033692.D
Acq: 10 Jan 2022 18:28

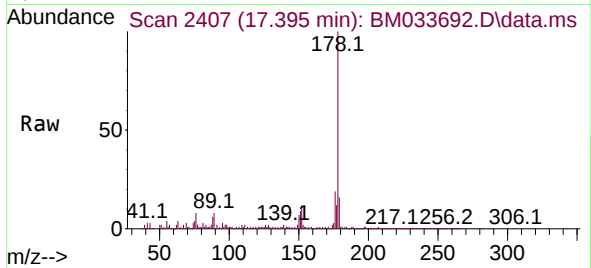
Tgt Ion:188 Resp: 1121201
Ion Ratio Lower Upper
188 100
94 8.6 7.5 11.3
80 9.5 8.9 13.3





#71
Phenanthrene
Concen: 7.056 ng
RT: 17.395 min Scan# 2408
Delta R.T. -0.006 min
Lab File: BM033692.D
Acq: 10 Jan 2022 18:28

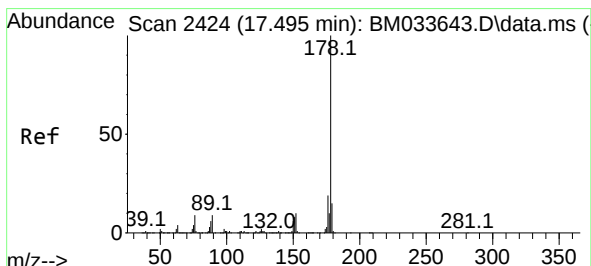
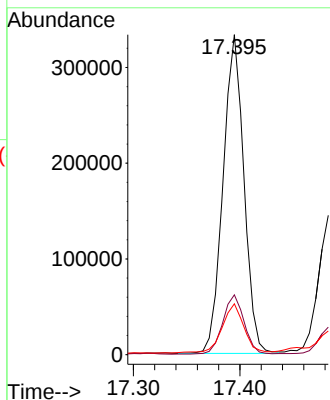
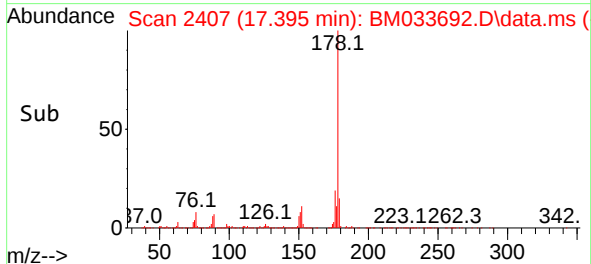
Instrument :
BNA_M
ClientSampleId :
OB-CS-13



Tgt Ion:178 Resp: 452688
Ion Ratio Lower Upper
178 100
176 18.7 15.1 22.7
179 15.9 12.0 18.0

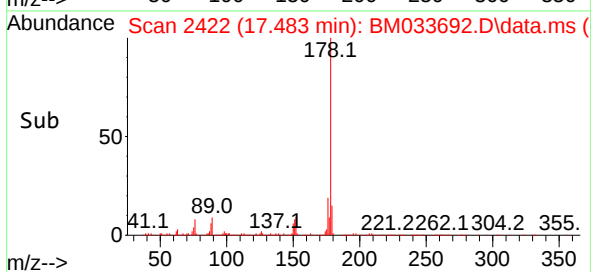
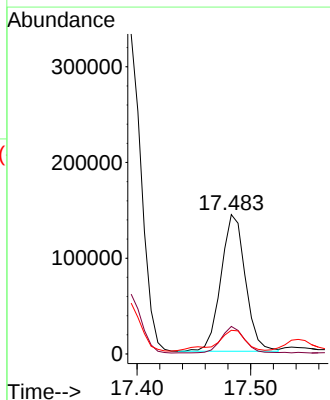
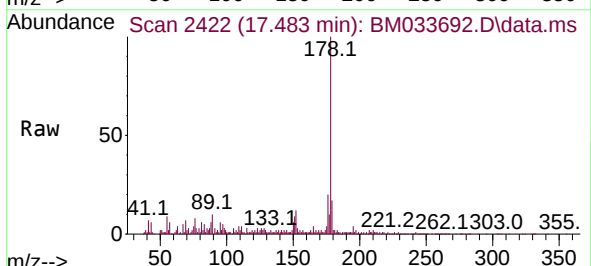
Manual Integrations
APPROVED

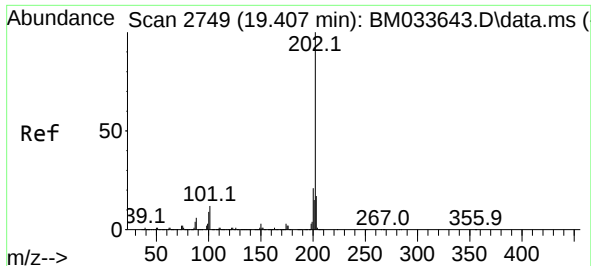
Reviewed By :Christian Giraldo 01/11/2022
Supervised By :Jagrut Upadhyay 01/11/2022



#72
Anthracene
Concen: 3.385 ng
RT: 17.483 min Scan# 2422
Delta R.T. -0.012 min
Lab File: BM033692.D
Acq: 10 Jan 2022 18:28

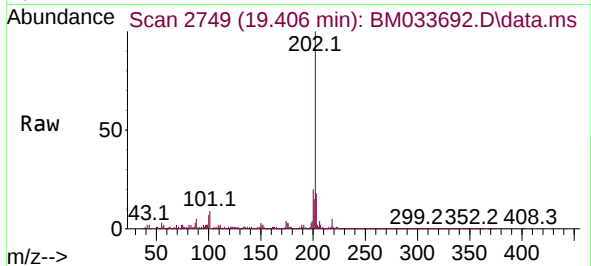
Tgt Ion:178 Resp: 213019
Ion Ratio Lower Upper
178 100
176 19.7 14.5 21.7
179 16.9 11.9 17.9





#75
Fluoranthene
Concen: 29.717 ng
RT: 19.406 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM033692.D
Acq: 10 Jan 2022 18:28

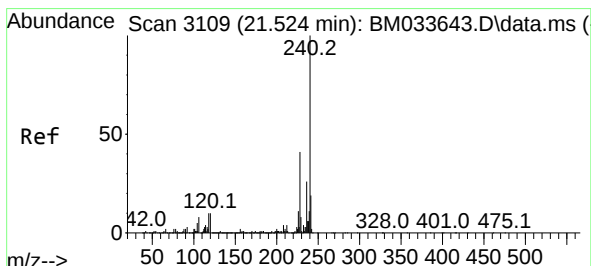
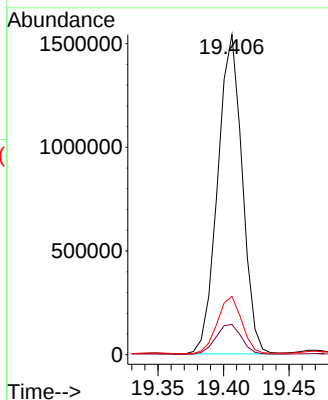
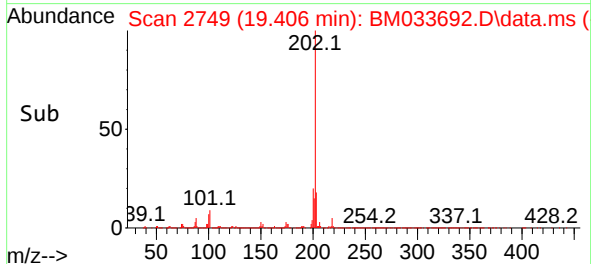
Instrument :
BNA_M
ClientSampleId :
OB-CS-13



Tgt Ion:202 Resp: 200155
Ion Ratio Lower Upper
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101 9.5 0.0 30.8
203 18.2 0.0 37.2

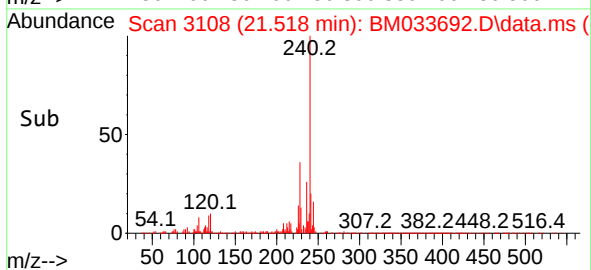
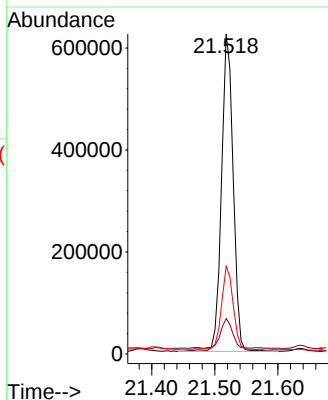
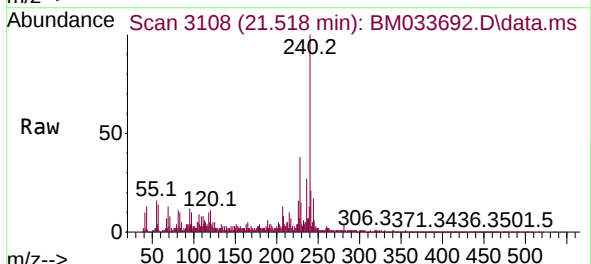
Manual Integrations
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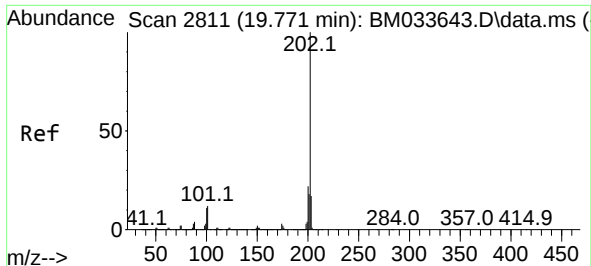
Reviewed By :Christian Giraldo 01/11/2022
Supervised By :Jagrut Upadhyay 01/11/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.518 min Scan# 3108
Delta R.T. -0.006 min
Lab File: BM033692.D
Acq: 10 Jan 2022 18:28

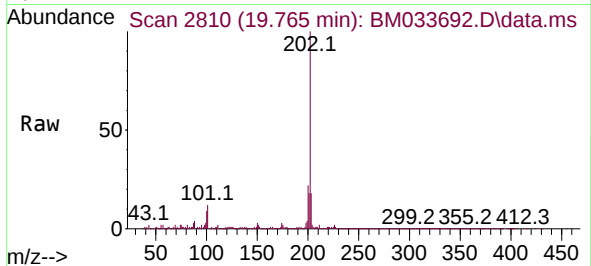
Tgt Ion:240 Resp: 800261
Ion Ratio Lower Upper
240 100
120 11.0 7.8 11.6
236 27.4 20.3 30.5





#78
Pyrene
Concen: 60.972 ng
RT: 19.765 min Scan# 2811
Delta R.T. -0.006 min
Lab File: BM033692.D
Acq: 10 Jan 2022 18:28

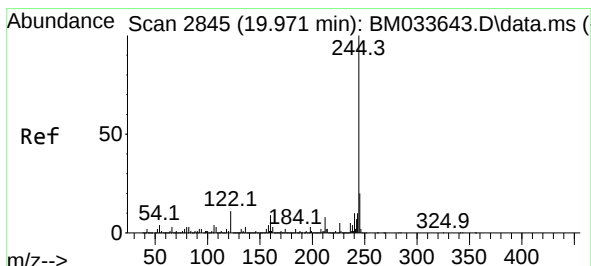
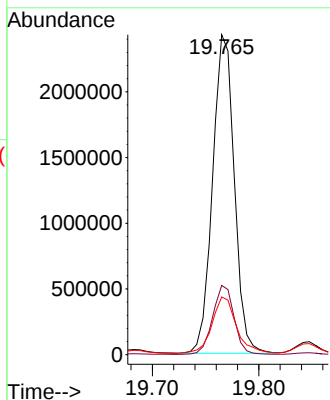
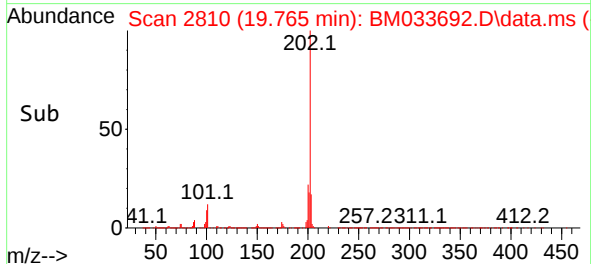
Instrument :
BNA_M
ClientSampleId :
OB-CS-13



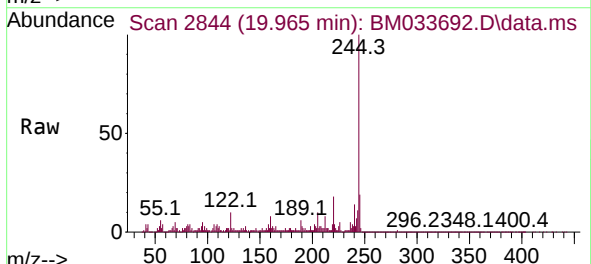
Tgt Ion:202 Resp: 3435378
Ion Ratio Lower Upper
202 100
200 21.7 16.4 24.6
203 18.0 13.5 20.3

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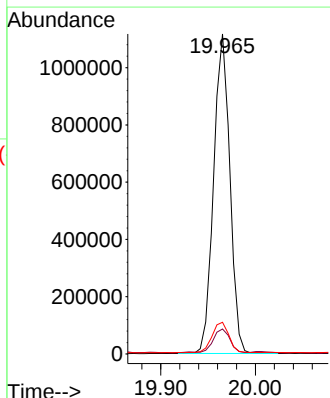
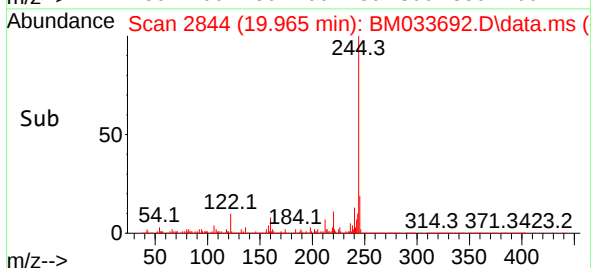
Reviewed By :Christian Giraldo 01/11/2022
Supervised By :Jagrut Upadhyay 01/11/2022

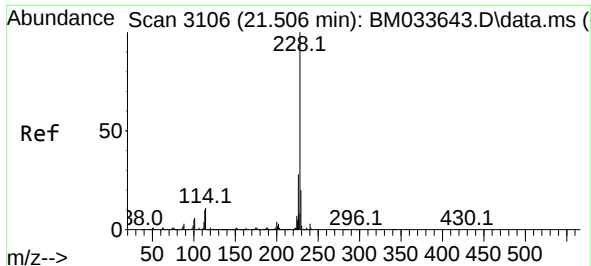


#79
Terphenyl-d14
Concen: 29.845 ng
RT: 19.965 min Scan# 2844
Delta R.T. -0.006 min
Lab File: BM033692.D
Acq: 10 Jan 2022 18:28



Tgt Ion:244 Resp: 1326886
Ion Ratio Lower Upper
244 100
212 7.8 5.9 8.9
122 9.9 8.4 12.6





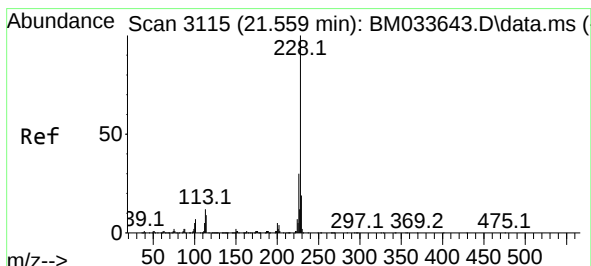
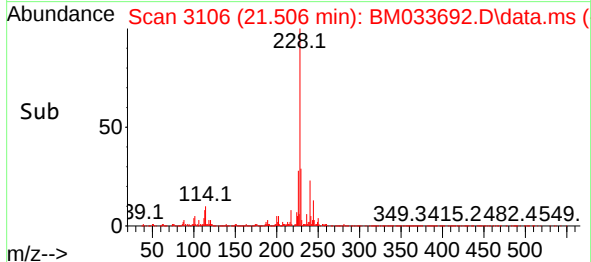
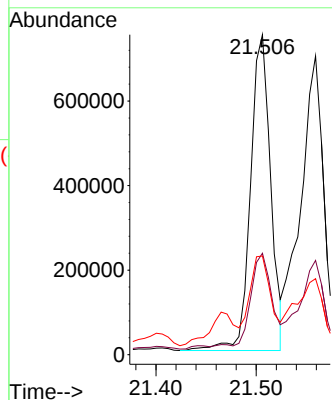
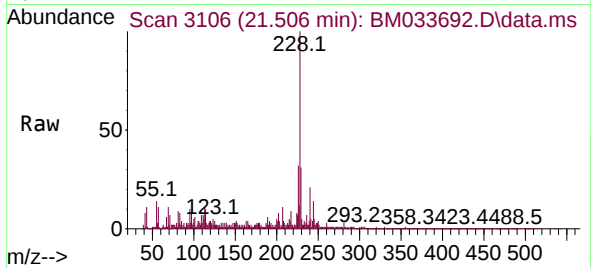
#81
Benzo(a)anthracene
Concen: 19.250 ng
RT: 21.506 min Scan# 3106
Delta R.T. -0.000 min
Lab File: BM033692.D
Acq: 10 Jan 2022 18:28

Instrument :
BNA_M
ClientSampleId :
OB-CS-13

Tgt Ion:228 Resp: 1044615
Ion Ratio Lower Upper
228 100
226 31.7 21.0 31.6
229 30.8 15.5 23.3

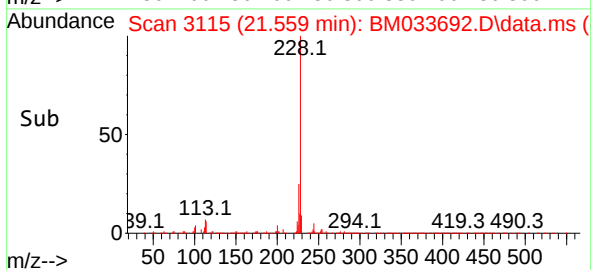
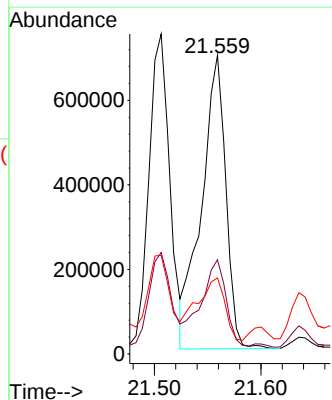
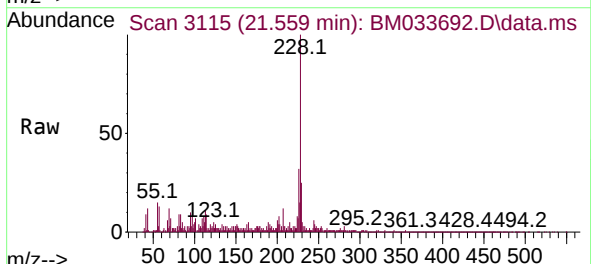
Manual Integrations
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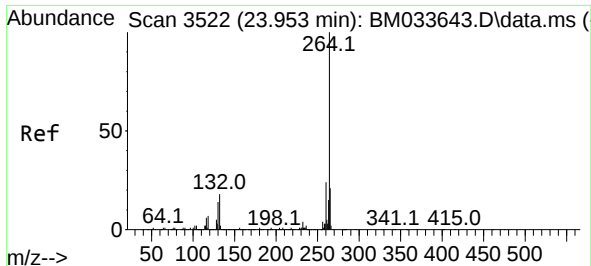
Reviewed By :Christian Giraldo 01/11/2022
Supervised By :Jagrut Upadhyay 01/11/2022



#83
Chrysene
Concen: 21.318 ng
RT: 21.559 min Scan# 3115
Delta R.T. -0.000 min
Lab File: BM033692.D
Acq: 10 Jan 2022 18:28

Tgt Ion:228 Resp: 1107034
Ion Ratio Lower Upper
228 100
226 31.5 23.8 35.8
229 25.5 15.8 23.8





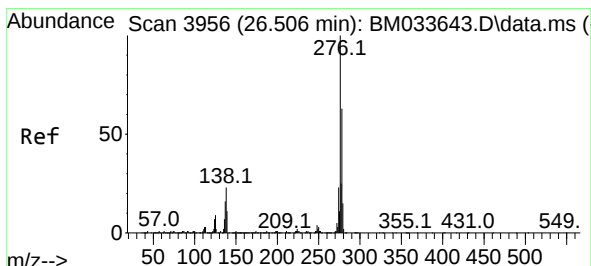
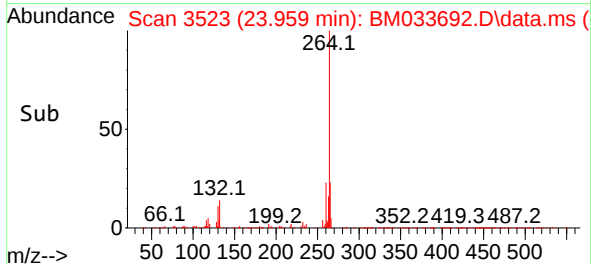
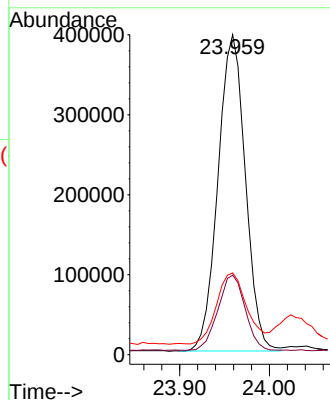
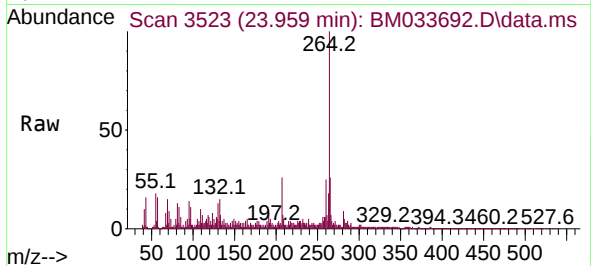
#86
Perylene-d12
Concen: 20.000 ng
RT: 23.959 min Scan# 3523
Delta R.T. 0.006 min
Lab File: BM033692.D
Acq: 10 Jan 2022 18:28

Instrument :
BNA_M
ClientSampleId :
OB-CS-13

Tgt Ion:264 Resp: 83811
Ion Ratio Lower Upper
264 100
260 24.9 17.7 26.5
265 25.6 17.7 26.5

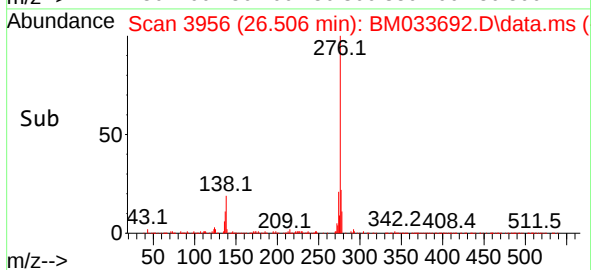
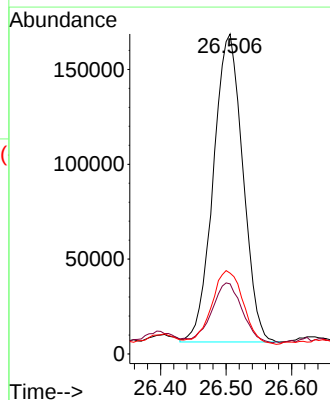
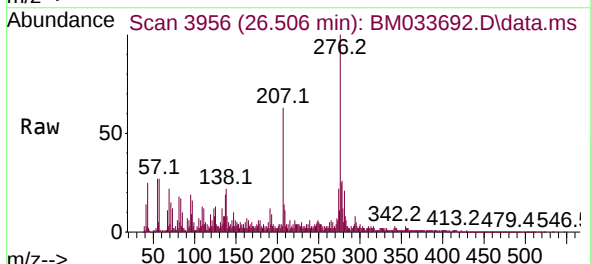
Manual Integrations
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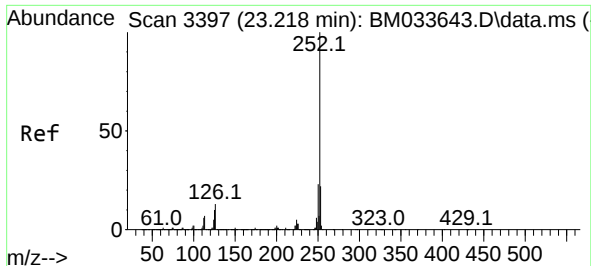
Reviewed By :Christian Giraldo 01/11/2022
Supervised By :Jagrut Upadhyay 01/11/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 8.196 ng
RT: 26.506 min Scan# 3956
Delta R.T. -0.000 min
Lab File: BM033692.D
Acq: 10 Jan 2022 18:28

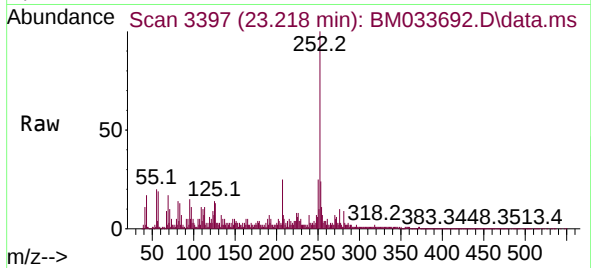
Tgt Ion:276 Resp: 506555
Ion Ratio Lower Upper
276 100
138 20.0 18.7 28.1
277 25.8 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 18.338 ng
RT: 23.218 min Scan# 31
Delta R.T. -0.000 min
Lab File: BM033692.D
Acq: 10 Jan 2022 18:28

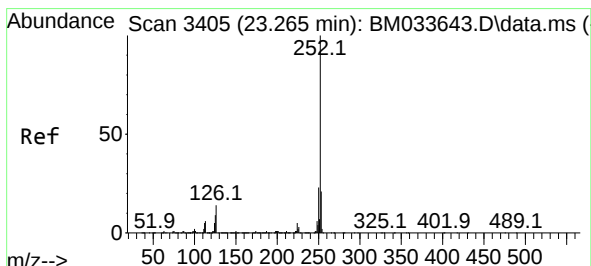
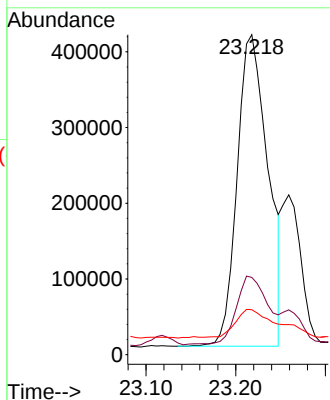
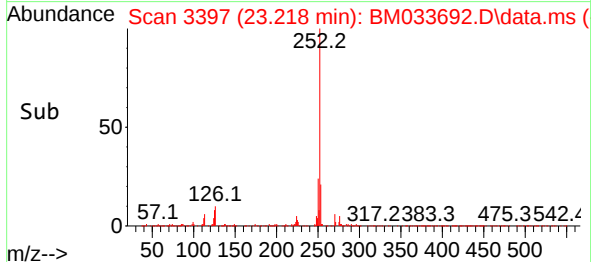
Instrument :
BNA_M
ClientSampleId :
OB-CS-13



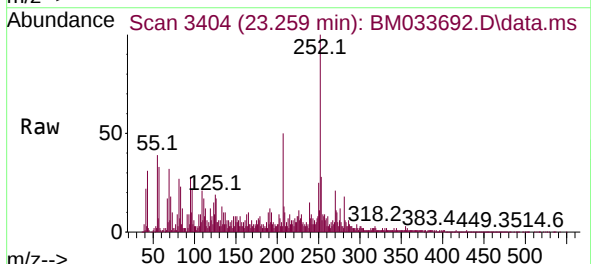
Tgt Ion:252 Resp: 979864
Ion Ratio Lower Upper
252 100
253 24.1 17.1 25.7
125 14.1 7.4 11.2

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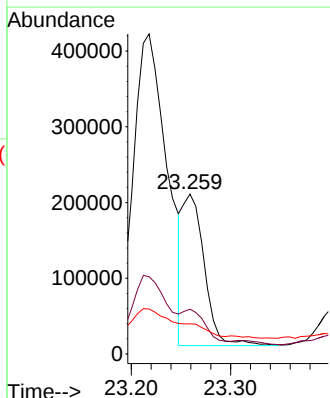
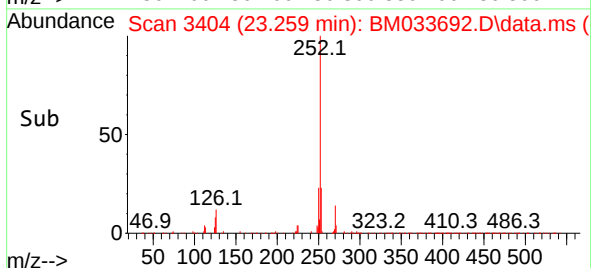
Reviewed By :Christian Giraldo 01/11/2022
Supervised By :Jagrut Upadhyay 01/11/2022

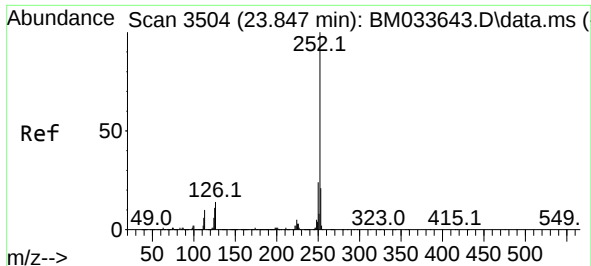


#89
Benzo(k)fluoranthene
Concen: 5.905 ng m
RT: 23.259 min Scan# 3404
Delta R.T. -0.006 min
Lab File: BM033692.D
Acq: 10 Jan 2022 18:28



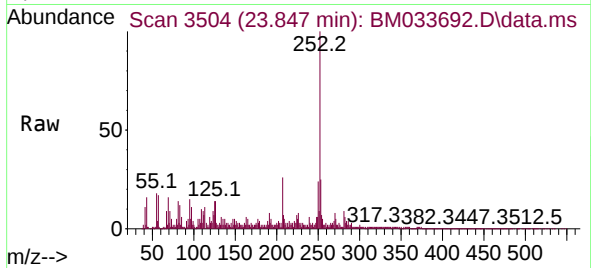
Tgt Ion:252 Resp: 305789
Ion Ratio Lower Upper
252 100
253 28.1 17.8 26.8#
125 18.8 8.1 12.1#





#90
Benzo(a)pyrene
Concen: 19.183 ng
RT: 23.847 min Scan# 3504
Delta R.T. -0.000 min
Lab File: BM033692.D
Acq: 10 Jan 2022 18:28

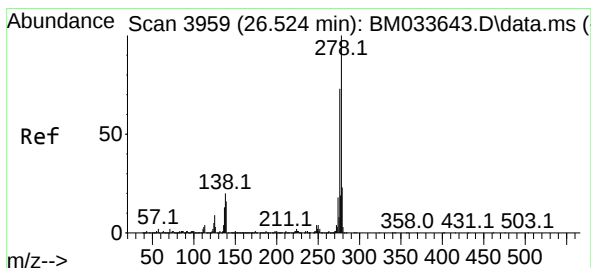
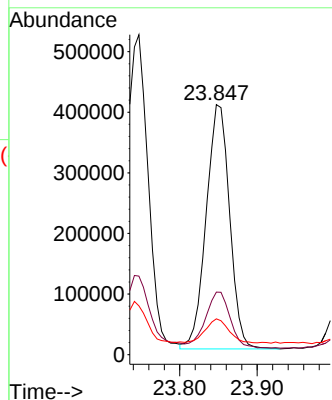
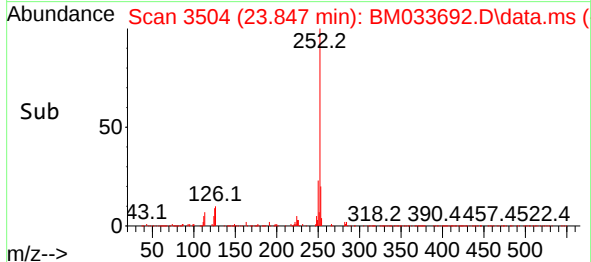
Instrument :
BNA_M
ClientSampleId :
OB-CS-13



Tgt Ion:252 Resp: 85074
Ion Ratio Lower Upper
252 100
253 25.0 17.5 26.3
125 14.3 7.8 11.8

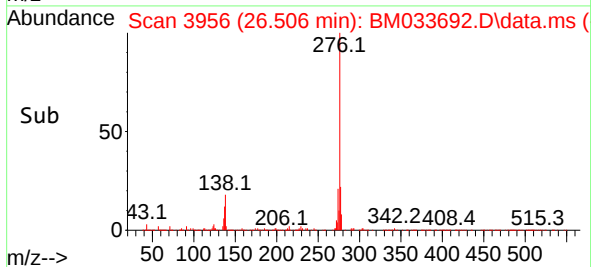
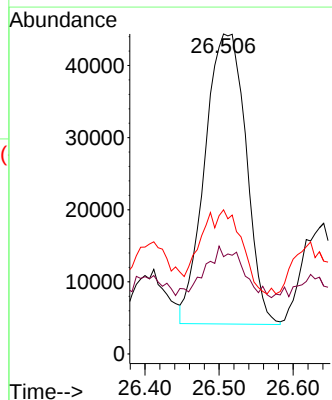
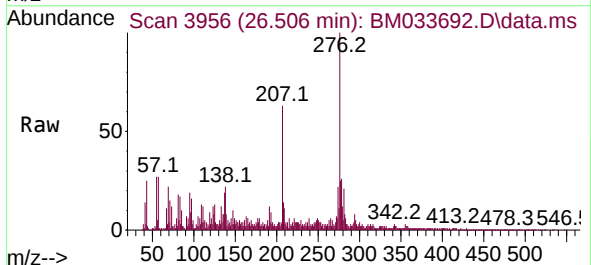
Manual Integrations
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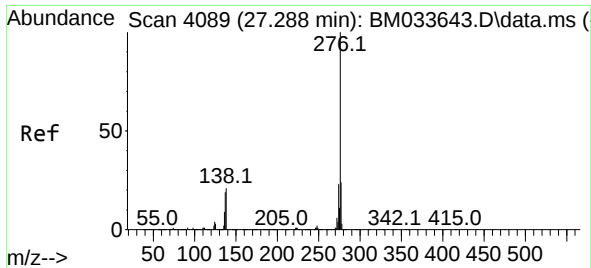
Reviewed By :Christian Giraldo 01/11/2022
Supervised By :Jagrut Upadhyay 01/11/2022



#91
Dibenzo(a,h)anthracene
Concen: 3.016 ng
RT: 26.506 min Scan# 3956
Delta R.T. -0.018 min
Lab File: BM033692.D
Acq: 10 Jan 2022 18:28

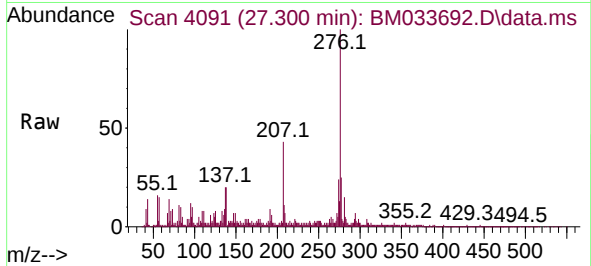
Tgt Ion:278 Resp: 154828
Ion Ratio Lower Upper
278 100
139 30.4 10.9 16.3#
279 45.1 17.7 26.5#





#92
 Benzo(g,h,i)perylene
 Concen: 16.348 ng
 RT: 27.300 min Scan# 40
 Delta R.T. 0.012 min
 Lab File: BM033692.D
 Acq: 10 Jan 2022 18:28

Instrument :
 BNA_M
 ClientSampleId :
 OB-CS-13



Tgt Ion:	276	Resp:	825070
Ion Ratio	Lower	Upper	
276	100		
277	25.1	19.1	28.7
138	20.0	14.8	22.2

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

