

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040122\
 Data File : BP009669.D
 Acq On : 01 Apr 2022 21:26
 Operator : CG/JU
 Sample : N2220-08 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DUP0331

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/04/2022
 Supervised By : Jagrut Upadhyay 04/04/2022

Quant Time: Apr 01 22:46:06 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 31 04:36:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.728	152	302773	20.000	ng	-0.01
21) Naphthalene-d8	10.516	136	1250955	20.000	ng	-0.02
39) Acenaphthene-d10	14.381	164	801344	20.000	ng	-0.01
64) Phenanthrene-d10	17.145	188	1653867	20.000	ng	-0.01
76) Chrysene-d12	21.263	240	1574869	20.000	ng	-0.01
86) Perylene-d12	23.639	264	1698400	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	918232	52.950	ng	-0.01
7) Phenol-d6	6.928	99	1186400	50.588	ng	0.00
23) Nitrobenzene-d5	8.887	82	762350	32.385	ng	-0.01
42) 2,4,6-Tribromophenol	15.881	330	518975	39.246	ng	-0.01
45) 2-Fluorobiphenyl	12.999	172	1859267	32.165	ng	-0.01
79) Terphenyl-d14	19.722	244	2768857	31.557	ng	-0.02
Target Compounds					Qvalue	
31) Naphthalene	10.569	128	265234	4.116	ng	99
71) Phenanthrene	17.187	178	893895	10.097	ng	99
72) Anthracene	17.281	178	204533	2.340	ng	99
75) Fluoranthene	19.169	202	1384188	12.914	ng	99
78) Pyrene	19.522	202	1163595	11.212	ng	99
81) Benzo(a)anthracene	21.245	228	617633	5.969	ng	98
83) Chrysene	21.298	228	601968	6.144	ng	98
84) Bis(2-ethylhexyl)phtha...	21.180	149	149067	2.425	ng	# 99
87) Indeno(1,2,3-cd)pyrene	26.110	276	333968	2.592	ng	# 92
88) Benzo(b)fluoranthene	22.922	252	755253m	7.449	ng	
89) Benzo(k)fluoranthene	22.963	252	228704m	2.304	ng	
90) Benzo(a)pyrene	23.533	252	485810	5.600	ng	# 95
92) Benzo(g,h,i)perylene	26.868	276	327172	3.097	ng	# 88

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

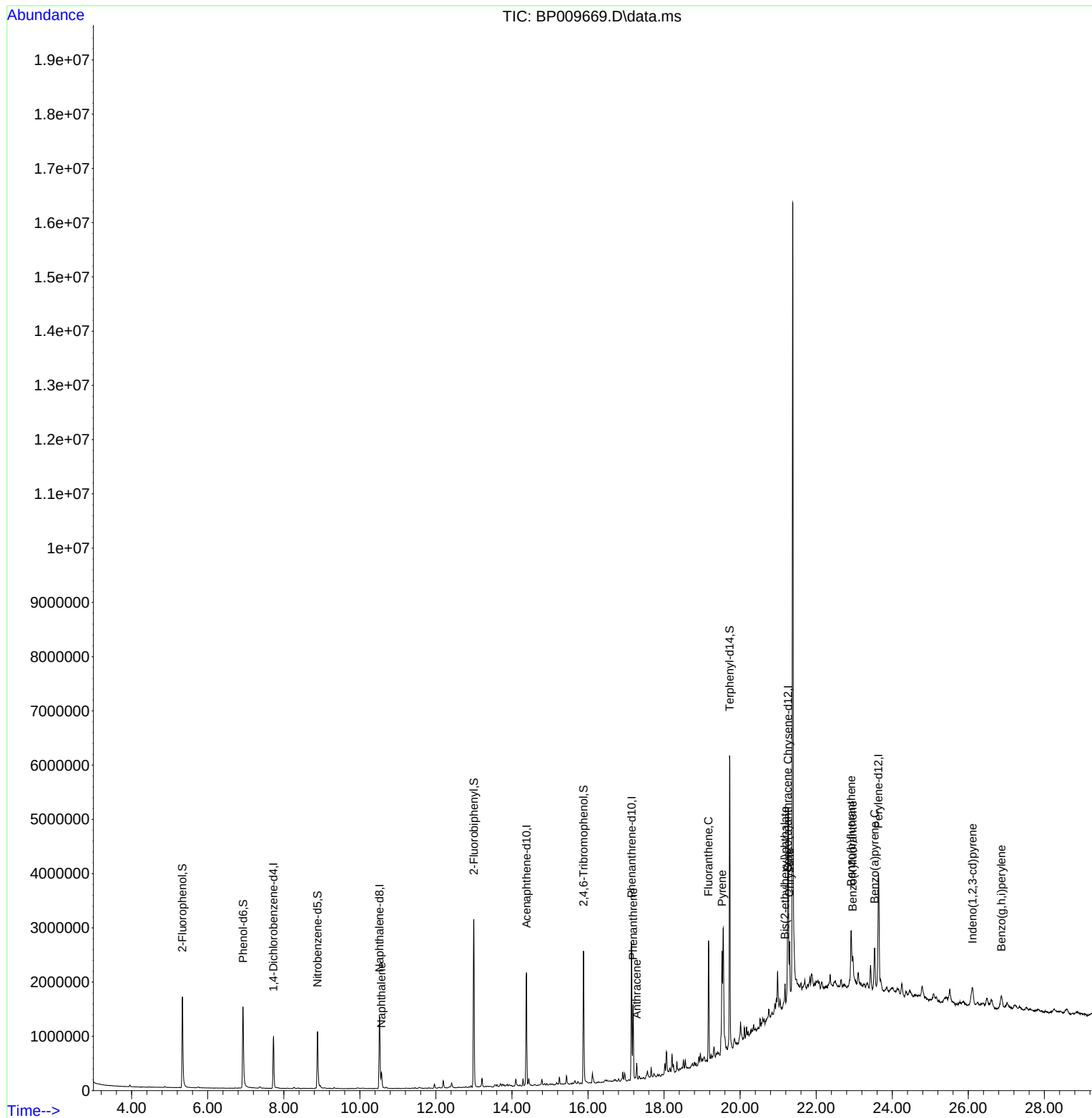
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040122\
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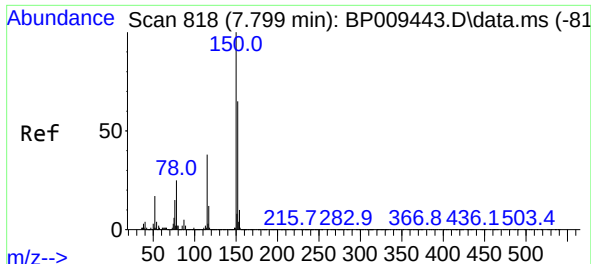
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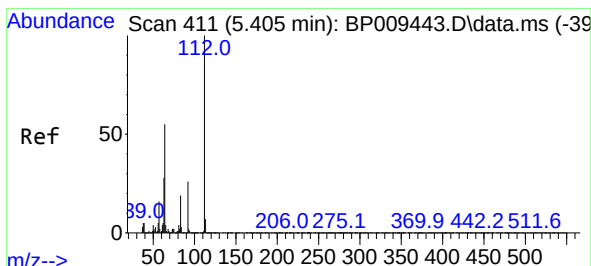
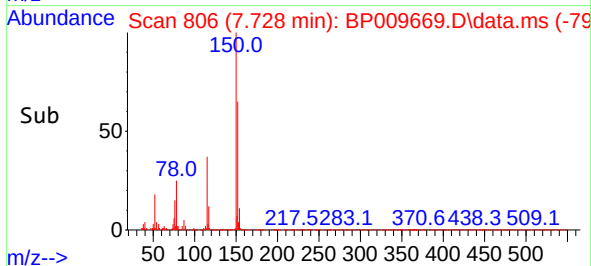
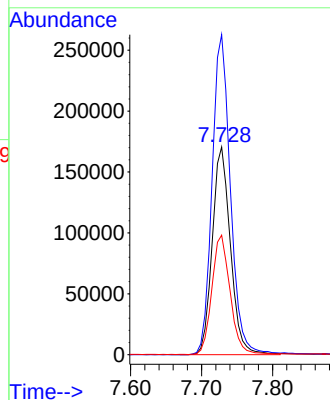
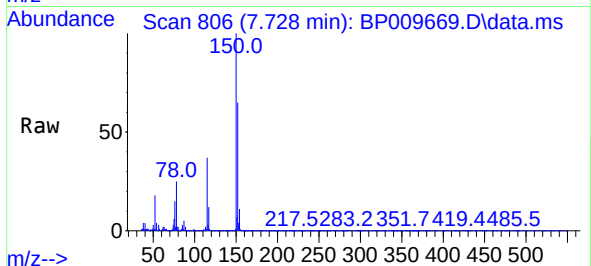
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.728 min Scan# 80
Delta R.T. -0.012 min
Lab File: BP009669.D
Acq: 01 Apr 2022 21:26

Instrument :
BNA_P
ClientSampleId :
DUP0331

Tgt Ion:152 Resp: 30277
Ion Ratio Lower Upper
152 100
150 154.1 124.5 186.7
115 57.6 48.2 72.4

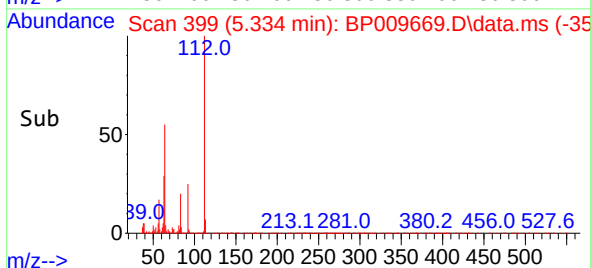
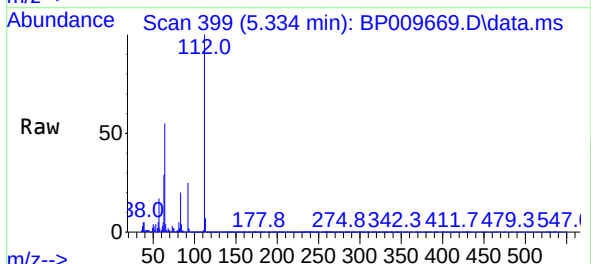
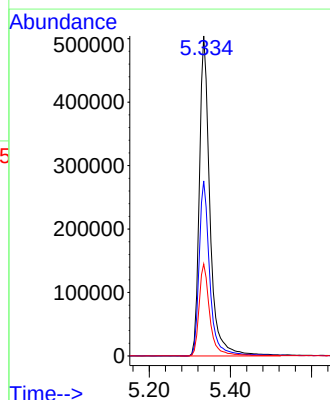
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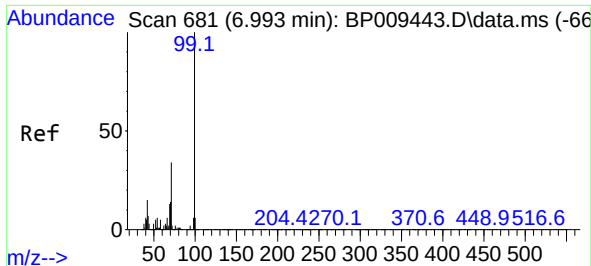
Reviewed By :Christian Giraldo 04/04/2022
Supervised By :Jagrut Upadhyay 04/04/2022



#5
2-Fluorophenol
Concen: 52.950 ng
RT: 5.334 min Scan# 399
Delta R.T. -0.012 min
Lab File: BP009669.D
Acq: 01 Apr 2022 21:26

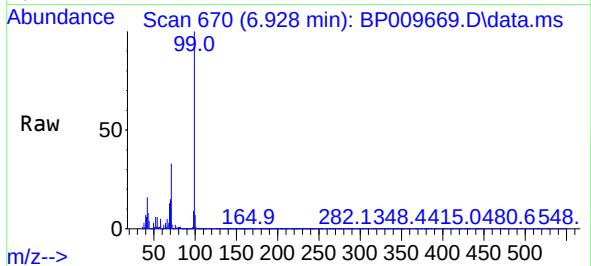
Tgt Ion:112 Resp: 918232
Ion Ratio Lower Upper
112 100
64 54.7 45.0 67.4
63 28.8 23.0 34.6





#7
Phenol-d6
Concen: 50.588 ng
RT: 6.928 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP009669.D
Acq: 01 Apr 2022 21:26

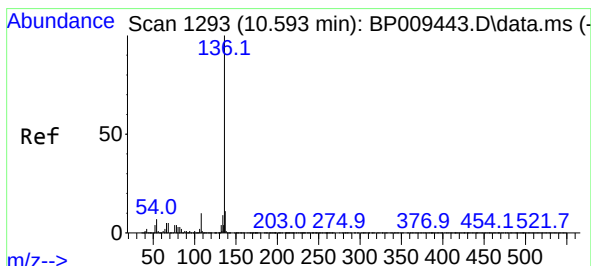
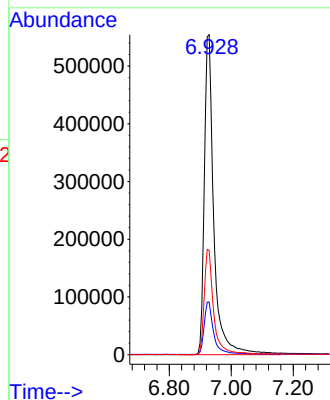
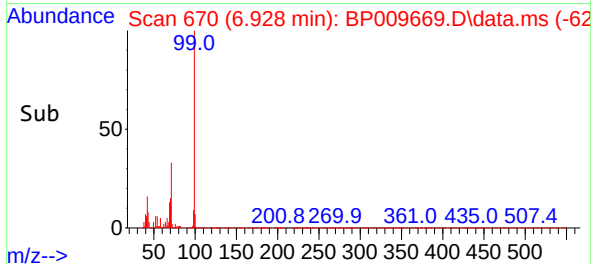
Instrument :
BNA_P
ClientSampleId :
DUP0331



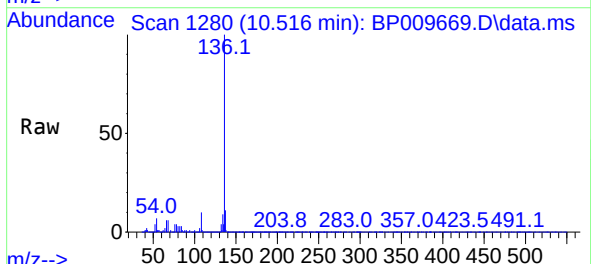
Tgt Ion: 99 Resp: 1186400
Ion Ratio Lower Upper
99 100
42 16.5 12.8 19.2
71 32.6 26.3 39.5

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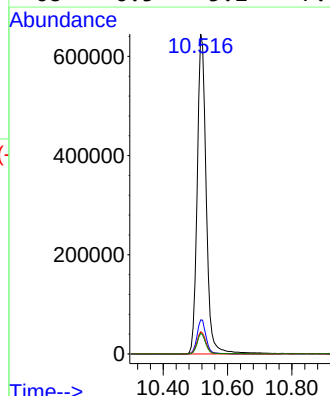
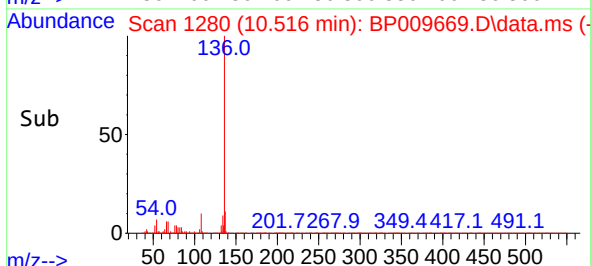
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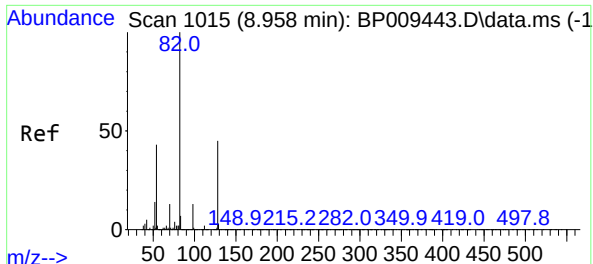


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.516 min Scan# 1280
Delta R.T. -0.017 min
Lab File: BP009669.D
Acq: 01 Apr 2022 21:26



Tgt Ion:136 Resp: 1250955
Ion Ratio Lower Upper
136 100
137 10.6 8.6 12.8
54 7.0 5.8 8.8
68 6.5 5.2 7.8





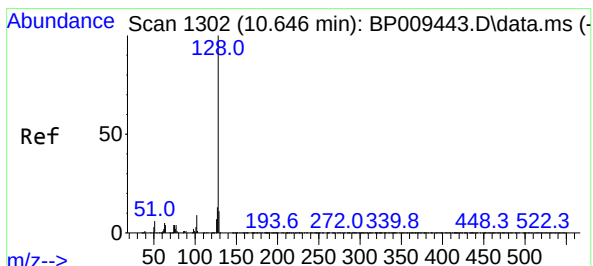
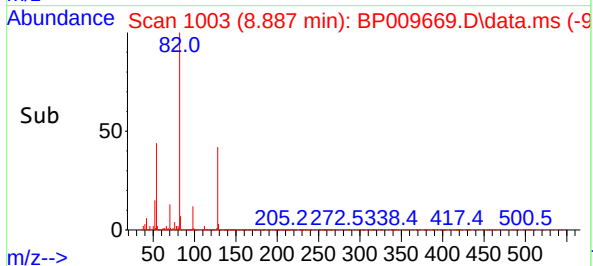
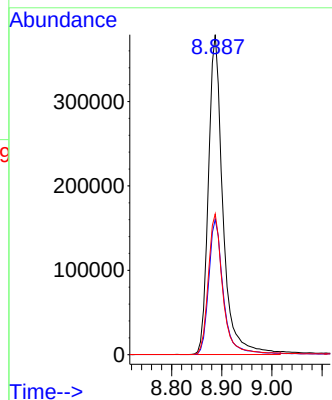
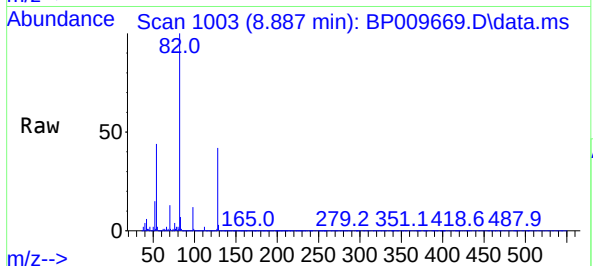
#23
Nitrobenzene-d5
Concen: 32.385 ng
RT: 8.887 min Scan# 1003
Delta R.T. -0.012 min
Lab File: BP009669.D
Acq: 01 Apr 2022 21:26

Instrument :
BNA_P
ClientSampleId :
DUP0331

Tgt Ion: 82 Resp: 762350
Ion Ratio Lower Upper
82 100
128 42.3 34.2 51.4
54 44.0 34.7 52.1

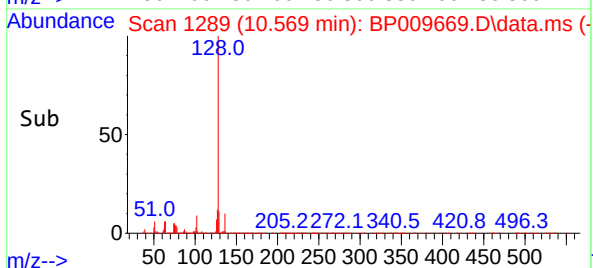
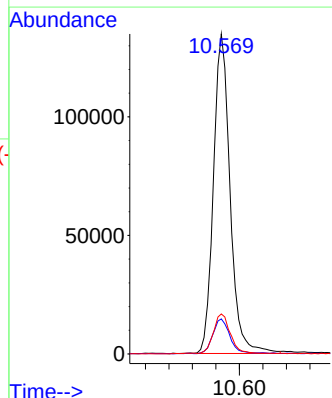
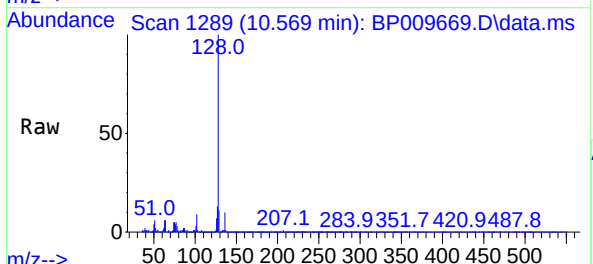
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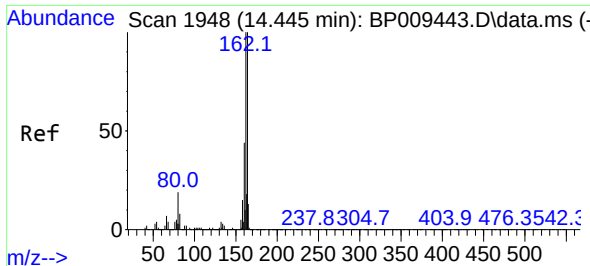
Reviewed By :Christian Giraldo 04/04/2022
Supervised By :Jagrut Upadhyay 04/04/2022



#31
Naphthalene
Concen: 4.116 ng
RT: 10.569 min Scan# 1289
Delta R.T. -0.012 min
Lab File: BP009669.D
Acq: 01 Apr 2022 21:26

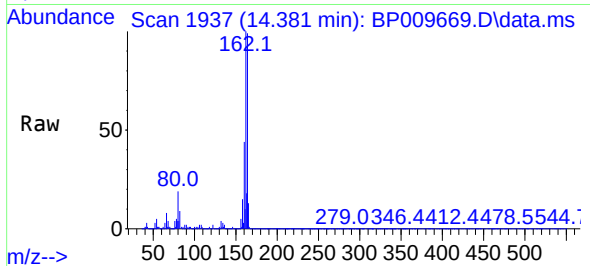
Tgt Ion:128 Resp: 265234
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 12.5 10.5 15.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.381 min Scan# 1937
Delta R.T. -0.012 min
Lab File: BP009669.D
Acq: 01 Apr 2022 21:26

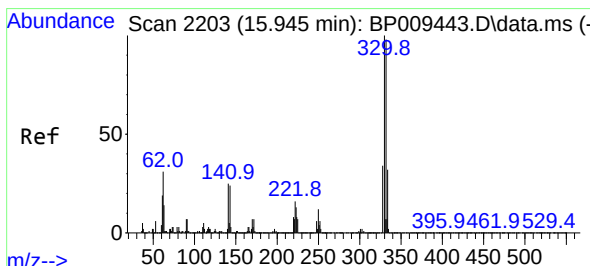
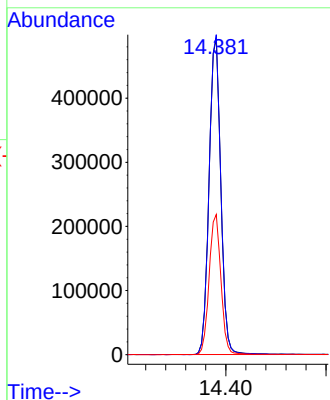
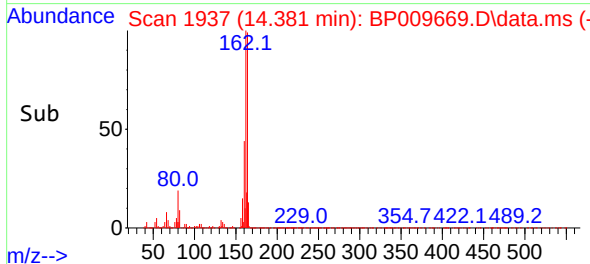
Instrument :
BNA_P
ClientSampleId :
DUP0331



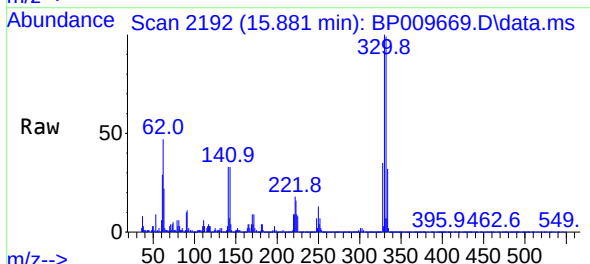
Tgt Ion:164 Resp: 801344
Ion Ratio Lower Upper
164 100
162 101.3 79.1 118.7
160 44.4 34.9 52.3

Manual Integrations
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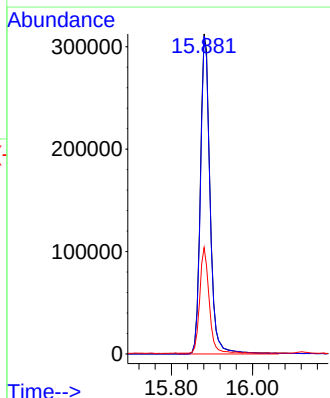
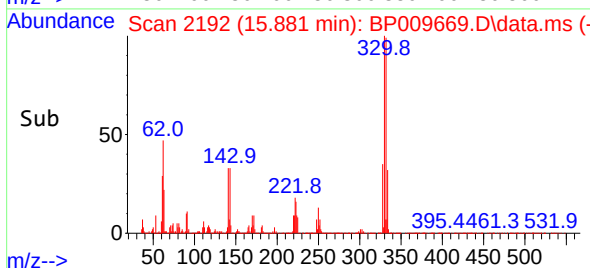
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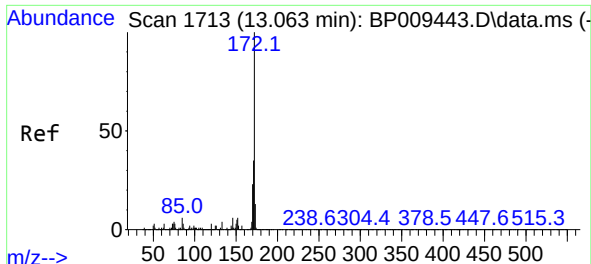


#42
2,4,6-Tribromophenol
Concen: 39.246 ng
RT: 15.881 min Scan# 2192
Delta R.T. -0.012 min
Lab File: BP009669.D
Acq: 01 Apr 2022 21:26



Tgt Ion:330 Resp: 518975
Ion Ratio Lower Upper
330 100
332 97.3 77.0 115.6
141 31.6 27.6 41.4





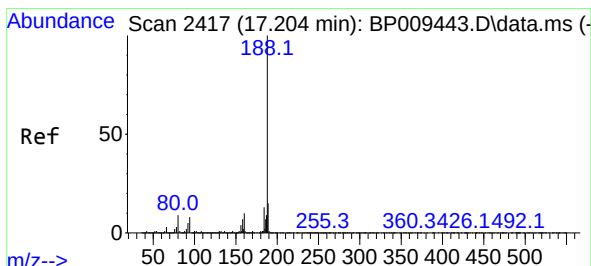
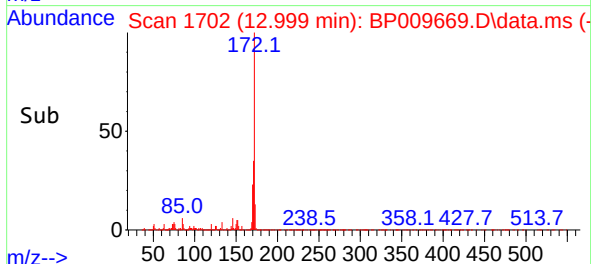
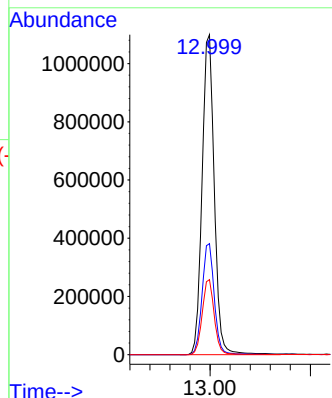
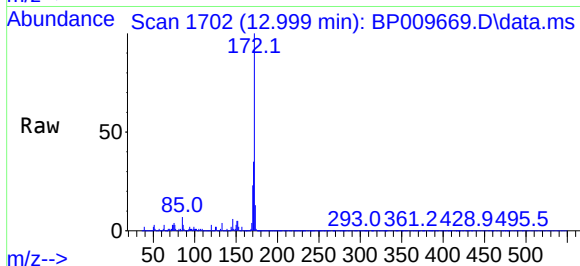
#45
2-Fluorobiphenyl
Concen: 32.165 ng
RT: 12.999 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP009669.D
Acq: 01 Apr 2022 21:26

Instrument :
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ClientSampleId :
DUP0331

Tgt Ion:172 Resp: 185926
Ion Ratio Lower Upper
172 100
171 34.7 28.0 42.0
170 23.4 18.6 27.8

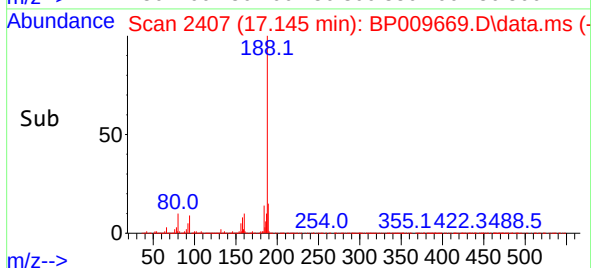
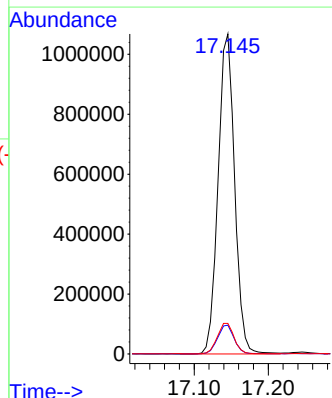
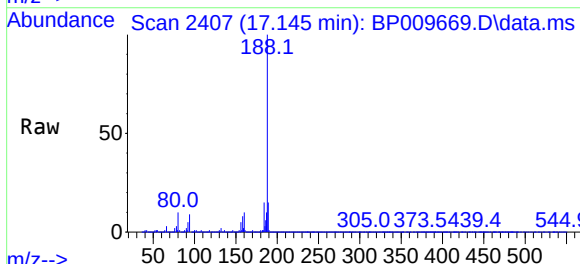
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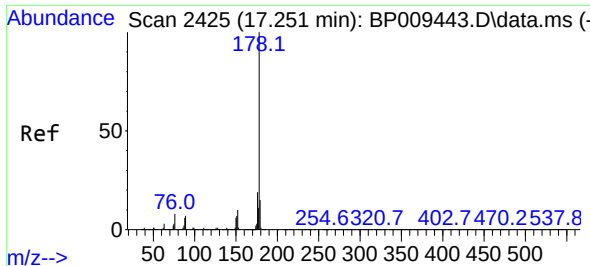
Reviewed By :Christian Giraldo 04/04/2022
Supervised By :Jagrut Upadhyay 04/04/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.145 min Scan# 2407
Delta R.T. -0.012 min
Lab File: BP009669.D
Acq: 01 Apr 2022 21:26

Tgt Ion:188 Resp: 1653867
Ion Ratio Lower Upper
188 100
94 9.0 7.9 11.9
80 9.6 8.8 13.2





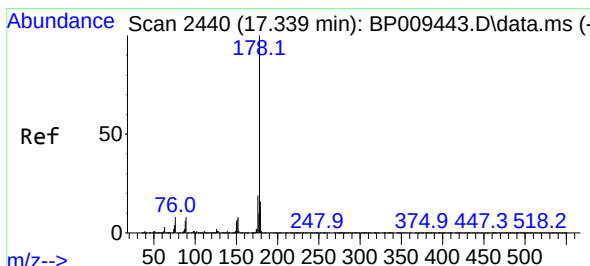
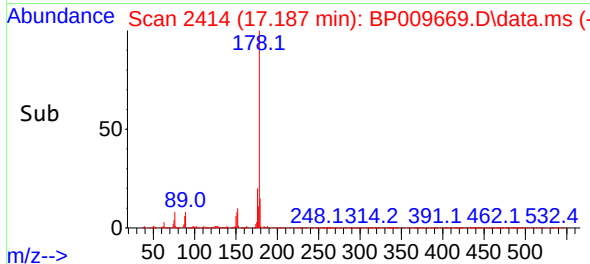
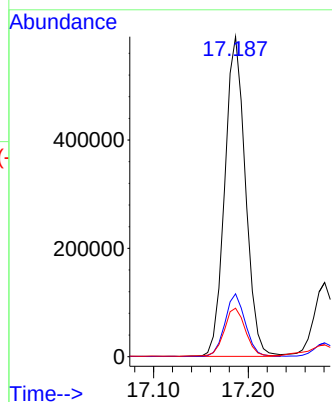
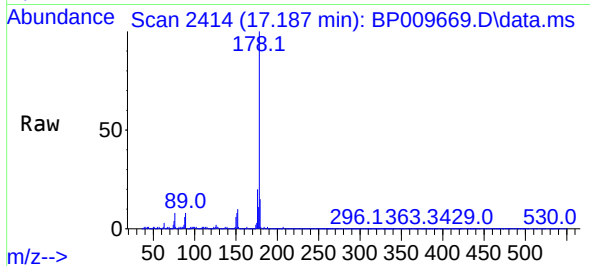
#71
Phenanthrene
Concen: 10.097 ng
RT: 17.187 min Scan# 2425
Delta R.T. -0.012 min
Lab File: BP009669.D
Acq: 01 Apr 2022 21:26

Instrument :
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ClientSampleId :
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Tgt Ion:178 Resp: 89389
Ion Ratio Lower Upper
178 100
176 19.7 15.4 23.2
179 15.2 12.3 18.5

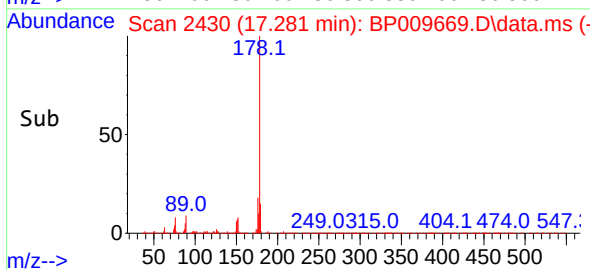
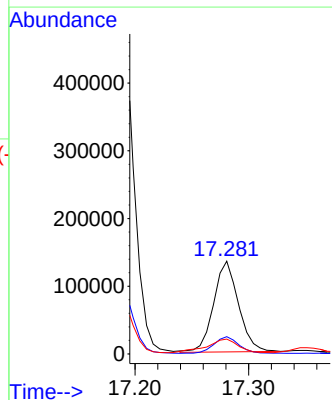
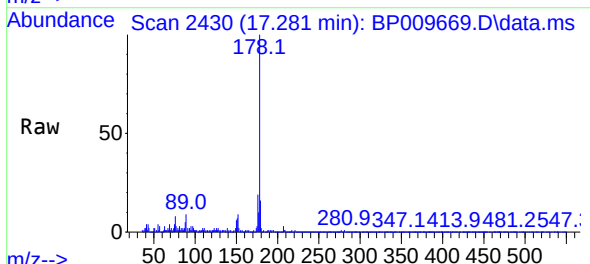
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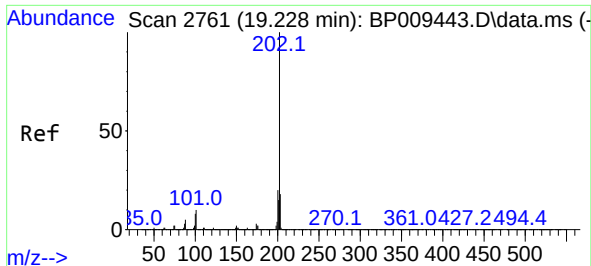
Reviewed By :Christian Giraldo 04/04/2022
Supervised By :Jagrut Upadhyay 04/04/2022



#72
Anthracene
Concen: 2.340 ng
RT: 17.281 min Scan# 2430
Delta R.T. -0.012 min
Lab File: BP009669.D
Acq: 01 Apr 2022 21:26

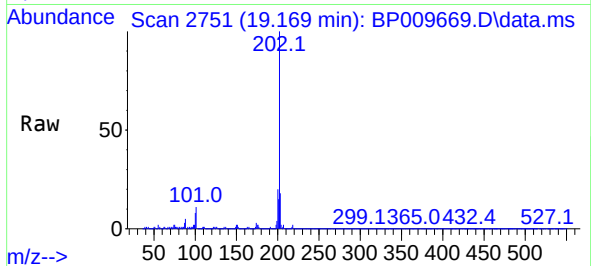
Tgt Ion:178 Resp: 204533
Ion Ratio Lower Upper
178 100
176 18.6 14.8 22.2
179 16.0 12.2 18.4





#75
Fluoranthene
Concen: 12.914 ng
RT: 19.169 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP009669.D
Acq: 01 Apr 2022 21:26

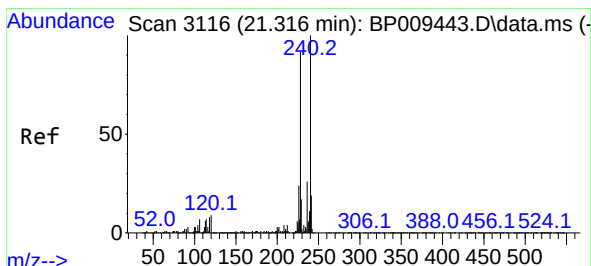
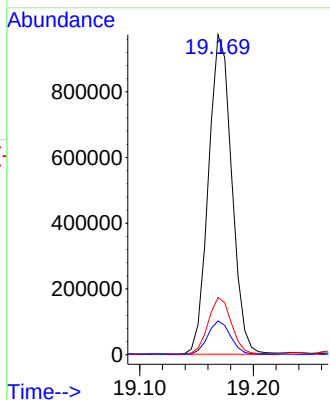
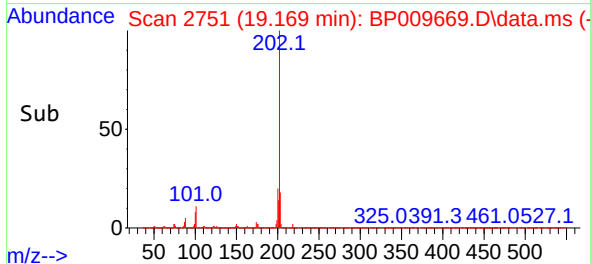
Instrument :
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Tgt Ion:202 Resp: 138418
Ion Ratio Lower Upper
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101 10.6 0.0 31.5
203 17.9 0.0 37.8

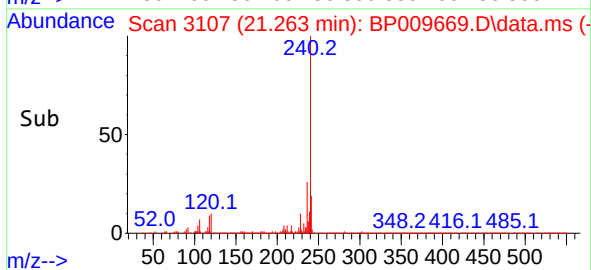
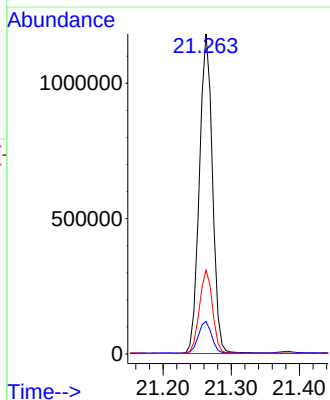
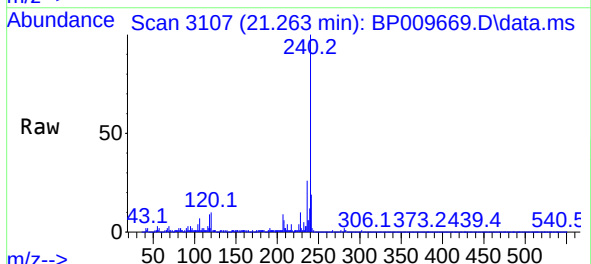
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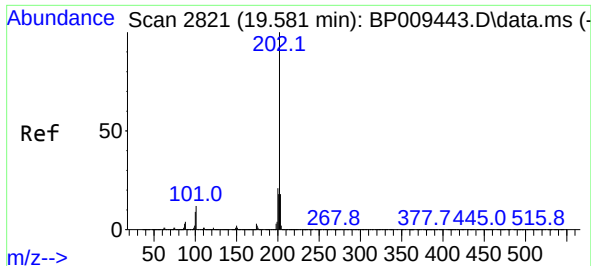
Reviewed By :Christian Giraldo 04/04/2022
Supervised By :Jagrut Upadhyay 04/04/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.263 min Scan# 3107
Delta R.T. -0.012 min
Lab File: BP009669.D
Acq: 01 Apr 2022 21:26

Tgt Ion:240 Resp: 1574869
Ion Ratio Lower Upper
240 100
120 10.1 9.0 13.4
236 26.2 20.6 30.8





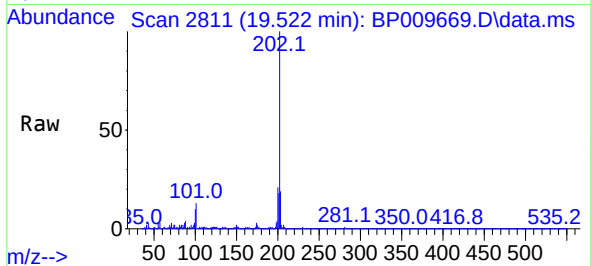
#78
Pyrene
Concen: 11.212 ng
RT: 19.522 min Scan# 2811
Delta R.T. -0.017 min
Lab File: BP009669.D
Acq: 01 Apr 2022 21:26

Instrument :

BNA_P

ClientSampleId :

DUP0331



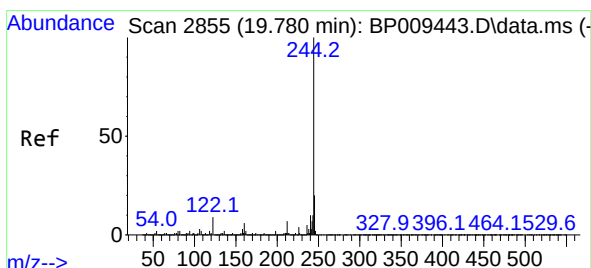
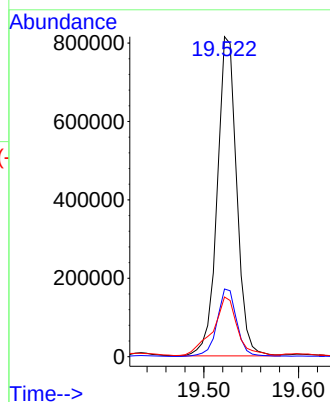
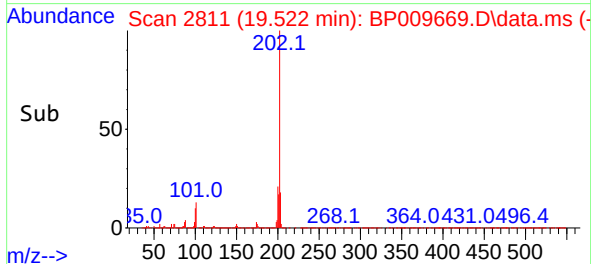
Tgt Ion:202 Resp: 116359

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.8	25.2
203	18.6	14.2	21.4

Manual Integrations

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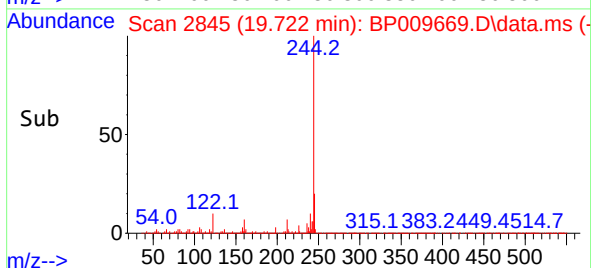
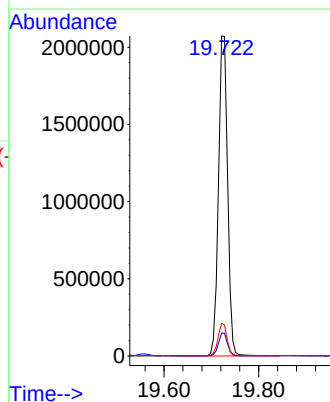
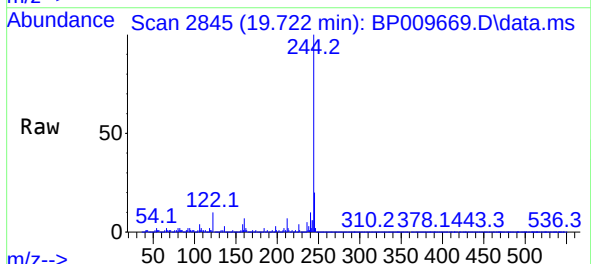
Reviewed By :Christian Giraldo 04/04/2022
Supervised By :Jagrut Upadhyay 04/04/2022

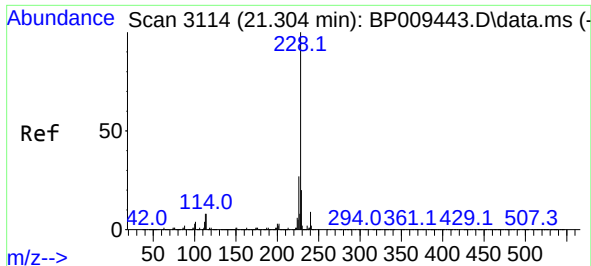


#79
Terphenyl-d14
Concen: 31.557 ng
RT: 19.722 min Scan# 2845
Delta R.T. -0.017 min
Lab File: BP009669.D
Acq: 01 Apr 2022 21:26

Tgt Ion:244 Resp: 2768857

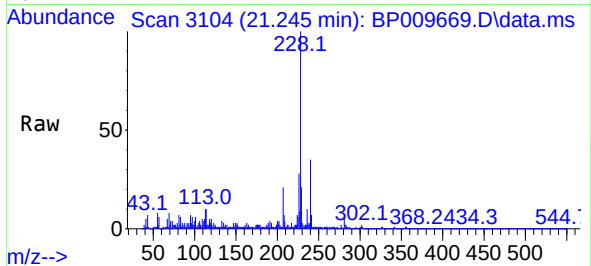
Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	10.2	8.3	12.5





#81
Benzo(a)anthracene
Concen: 5.969 ng
RT: 21.245 min Scan# 3114
Delta R.T. -0.017 min
Lab File: BP009669.D
Acq: 01 Apr 2022 21:26

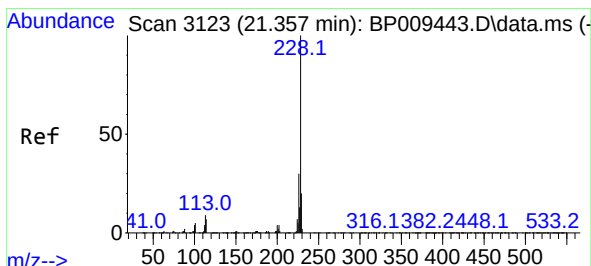
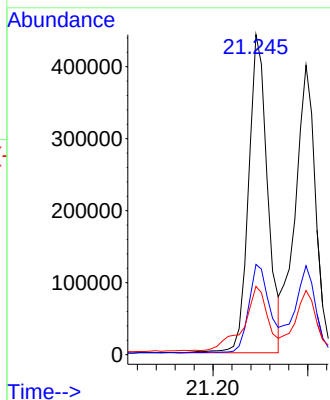
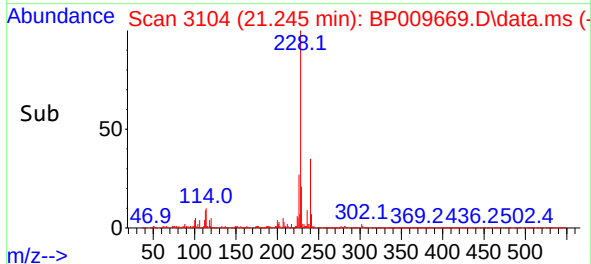
Instrument :
BNA_P
ClientSampleId :
DUP0331



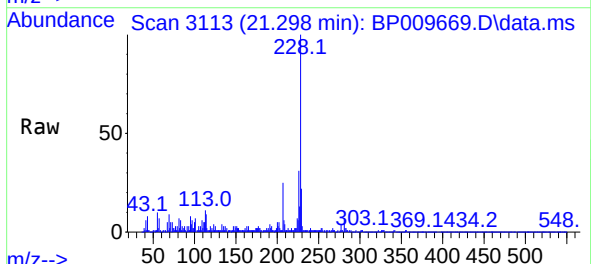
Tgt Ion:228 Resp: 61763
Ion Ratio Lower Upper
228 100
226 28.2 22.0 33.0
229 21.4 16.1 24.1

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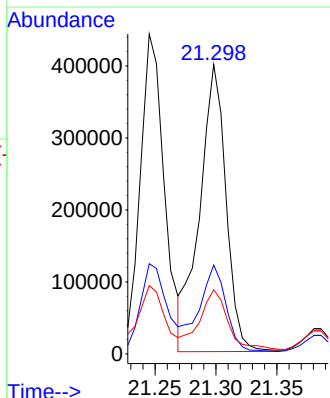
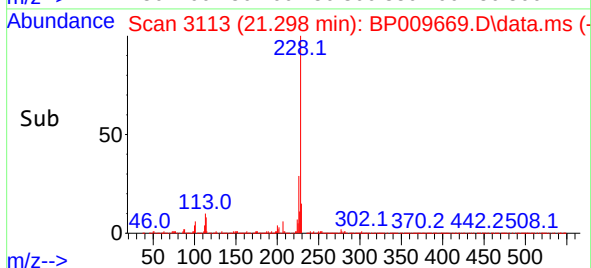
Reviewed By :Christian Giraldo 04/04/2022
Supervised By :Jagrut Upadhyay 04/04/2022

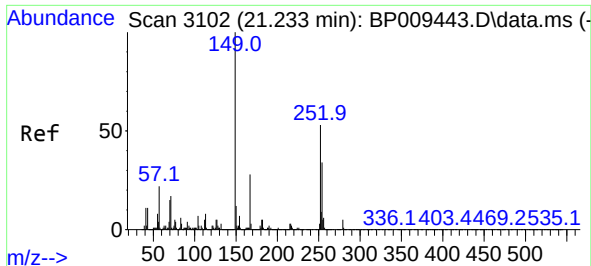


#83
Chrysene
Concen: 6.144 ng
RT: 21.298 min Scan# 3113
Delta R.T. -0.012 min
Lab File: BP009669.D
Acq: 01 Apr 2022 21:26



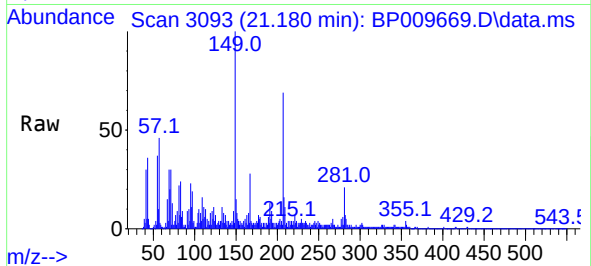
Tgt Ion:228 Resp: 601968
Ion Ratio Lower Upper
228 100
226 30.7 24.2 36.2
229 22.1 16.1 24.1





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.425 ng
RT: 21.180 min Scan# 3093
Delta R.T. -0.012 min
Lab File: BP009669.D
Acq: 01 Apr 2022 21:26

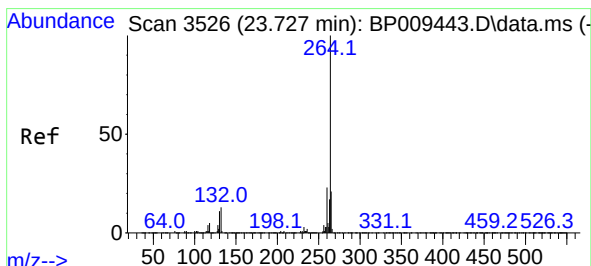
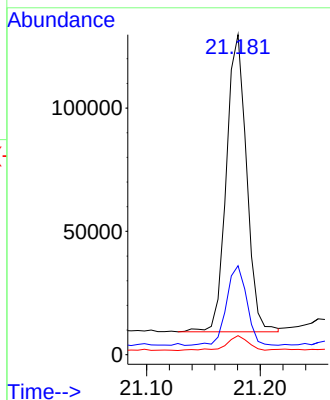
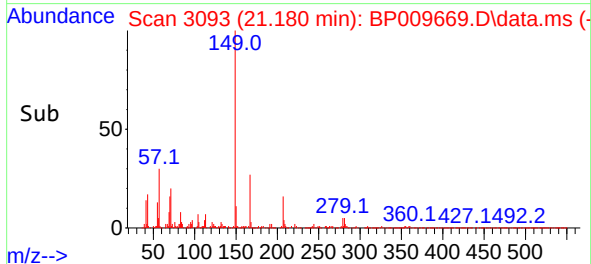
Instrument :
BNA_P
ClientSampleId :
DUP0331



Tgt Ion:149 Resp: 14906
Ion Ratio Lower Upper
149 100
167 27.8 22.6 33.8
279 5.9 3.8 5.6

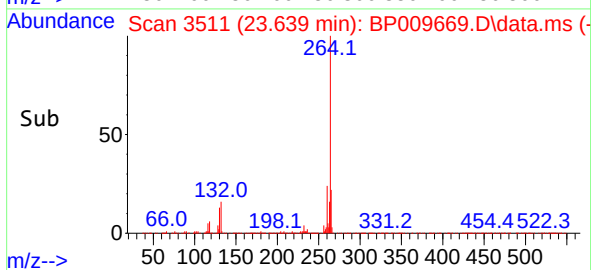
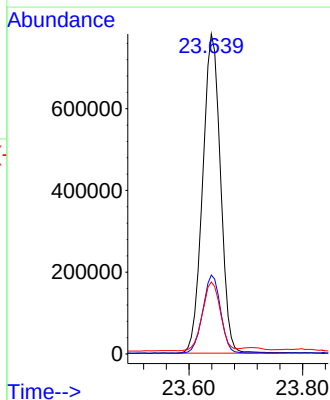
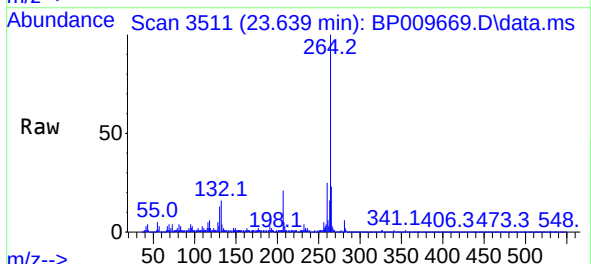
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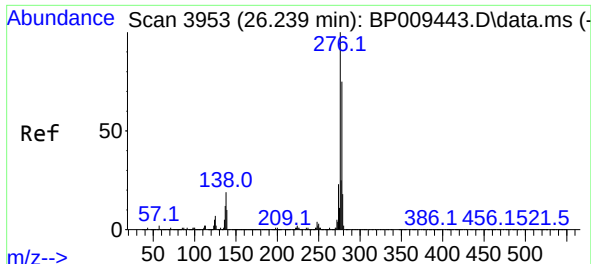
Reviewed By :Christian Giraldo 04/04/2022
Supervised By :Jagrut Upadhyay 04/04/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.639 min Scan# 3511
Delta R.T. -0.012 min
Lab File: BP009669.D
Acq: 01 Apr 2022 21:26

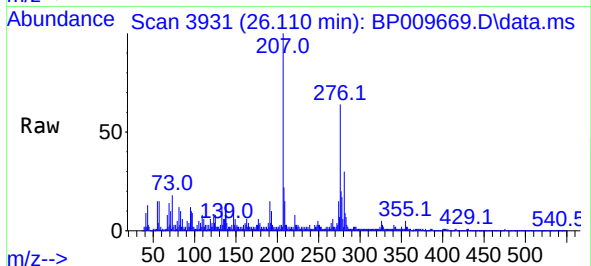
Tgt Ion:264 Resp: 1698400
Ion Ratio Lower Upper
264 100
260 24.7 19.4 29.0
265 22.5 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 2.592 ng
RT: 26.110 min Scan# 3389
Delta R.T. -0.029 min
Lab File: BP009669.D
Acq: 01 Apr 2022 21:26

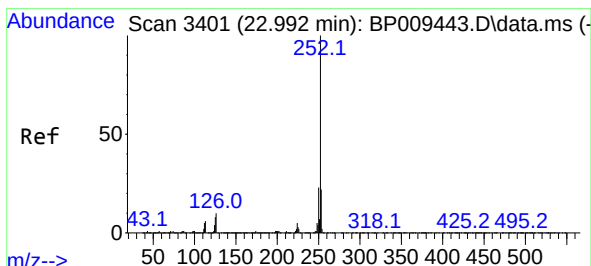
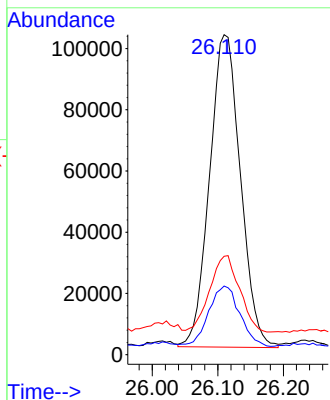
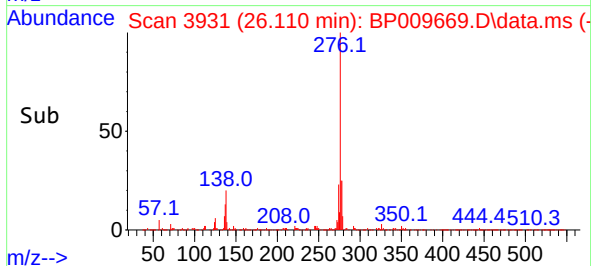
Instrument :
BNA_P
ClientSampleId :
DUP0331



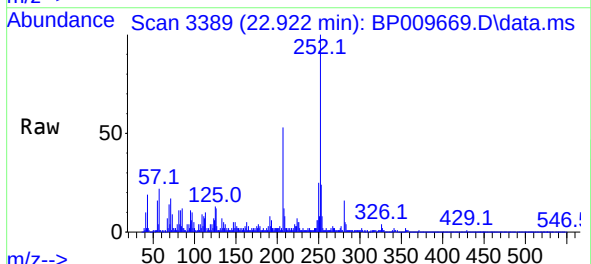
Tgt Ion: 276 Resp: 333968
Ion Ratio Lower Upper
276 100
138 19.3 20.5 30.7
277 23.5 20.4 30.6

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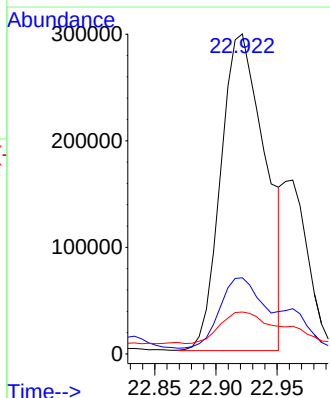
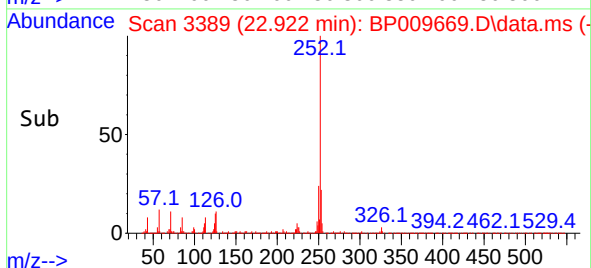
Reviewed By : Christian Giraldo 04/04/2022
Supervised By : Jagrut Upadhyay 04/04/2022

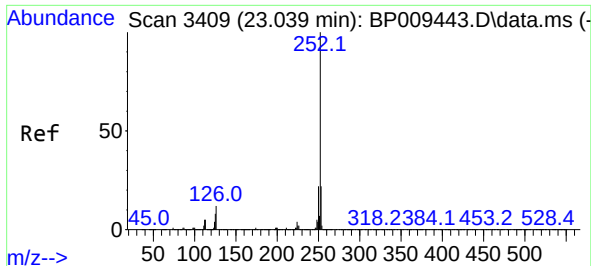


#88
Benzo(b)fluoranthene
Concen: 7.449 ng m
RT: 22.922 min Scan# 3389
Delta R.T. -0.006 min
Lab File: BP009669.D
Acq: 01 Apr 2022 21:26



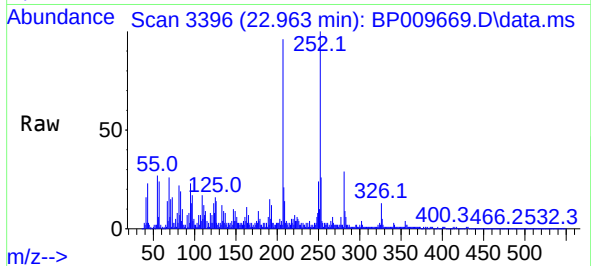
Tgt Ion: 252 Resp: 755253
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.8
125 13.1 8.1 12.1#





#89
Benzo(k)fluoranthene
Concen: 2.304 ng m
RT: 22.963 min Scan# 31
Delta R.T. -0.017 min
Lab File: BP009669.D
Acq: 01 Apr 2022 21:26

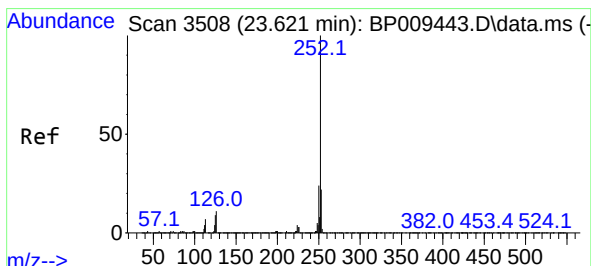
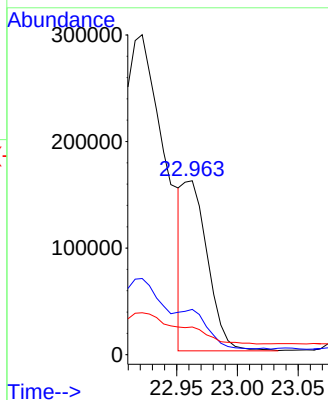
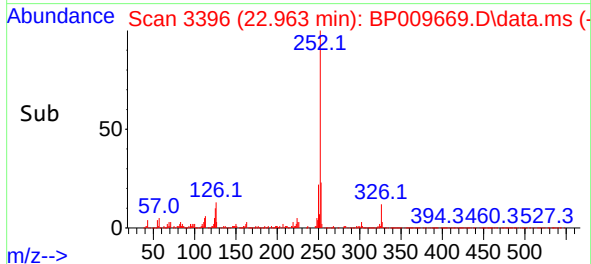
Instrument :
BNA_P
ClientSampleId :
DUP0331



Tgt Ion:252 Resp: 228704
Ion Ratio Lower Upper
252 100
253 26.1 17.5 26.3
125 16.0 8.3 12.5

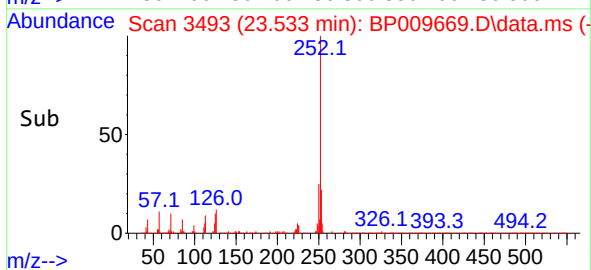
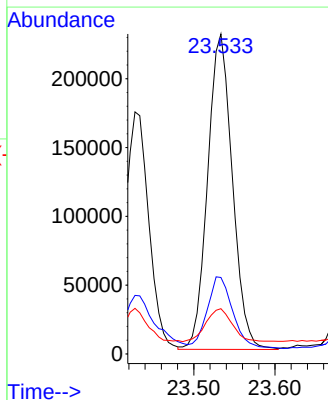
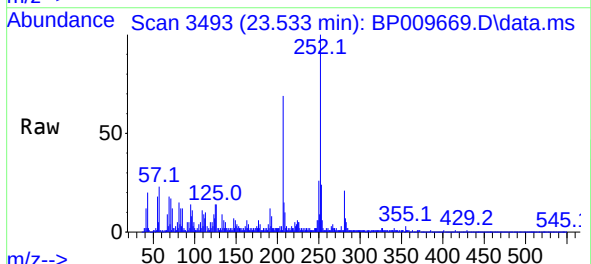
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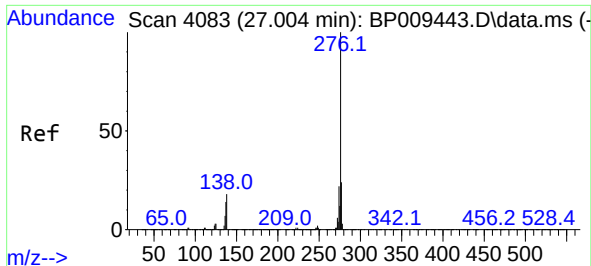
Reviewed By :Christian Giraldo 04/04/2022
Supervised By :Jagrut Upadhyay 04/04/2022



#90
Benzo(a)pyrene
Concen: 5.600 ng
RT: 23.533 min Scan# 3493
Delta R.T. -0.017 min
Lab File: BP009669.D
Acq: 01 Apr 2022 21:26

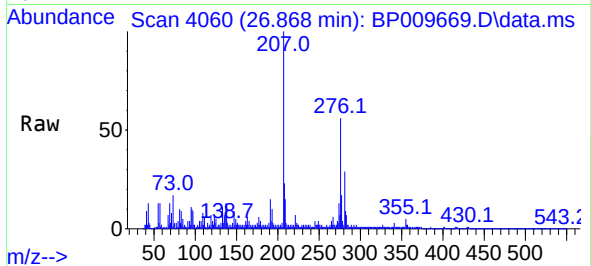
Tgt Ion:252 Resp: 485810
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.6
125 14.1 9.3 13.9





#92
 Benzo(g,h,i)perylene
 Concen: 3.097 ng
 RT: 26.868 min Scan# 4060
 Delta R.T. -0.029 min
 Lab File: BP009669.D
 Acq: 01 Apr 2022 21:26

Instrument :
 BNA_P
 ClientSampleId :
 DUP0331



Tgt Ion: 276 Resp: 327172
 Ion Ratio Lower Upper
 276 100
 277 31.4 19.2 28.8
 138 26.5 18.0 27.0

Manual Integrations
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Reviewed By : Christian Giraldo 04/04/2022
 Supervised By : Jagrut Upadhyay 04/04/2022

