

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032922\
 Data File : BP009613.D
 Acq On : 30 Mar 2022 01:47
 Operator : CG/JU
 Sample : N2095-10 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-10-4.0-5.0

Quant Time: Mar 30 04:12:38 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 30 04:00:13 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 03/30/2022
 Supervised By : Jagrut Upadhyay 03/30/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.764	152	306093	20.000	ng	0.00
21) Naphthalene-d8	10.558	136	1245575	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	816958	20.000	ng	0.00
64) Phenanthrene-d10	17.175	188	1653477	20.000	ng	0.00
76) Chrysene-d12	21.292	240	1584510	20.000	ng	0.00
86) Perylene-d12	23.692	264	1783900	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.370	112	216507	12.349	ng	0.00
7) Phenol-d6	6.964	99	275146	11.605	ng	0.01
23) Nitrobenzene-d5	8.928	82	172899	7.376	ng	0.00
42) 2,4,6-Tribromophenol	15.916	330	126982	9.419	ng	0.00
45) 2-Fluorobiphenyl	13.028	172	472402	8.016	ng	0.00
79) Terphenyl-d14	19.751	244	745581	8.446	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.134	152	295821	3.994	ng	100
71) Phenanthrene	17.216	178	1117512	12.626	ng	99
72) Anthracene	17.310	178	407868	4.667	ng	98
75) Fluoranthene	19.204	202	3560619	33.228	ng	98
78) Pyrene	19.557	202	3269864	31.317	ng	100
81) Benzo(a)anthracene	21.281	228	1364194	13.104	ng	95
83) Chrysene	21.328	228	1370964m	13.908	ng	
87) Indeno(1,2,3-cd)pyrene	26.192	276	874438	6.461	ng	# 92
88) Benzo(b)fluoranthene	22.963	252	1744158	16.378	ng	97
89) Benzo(k)fluoranthene	23.004	252	701903m	6.732	ng	
90) Benzo(a)pyrene	23.586	252	1293825	14.200	ng	97
91) Dibenzo(a,h)anthracene	26.192	278	238357	2.113	ng	# 76
92) Benzo(g,h,i)perylene	26.957	276	885291	7.978	ng	93

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

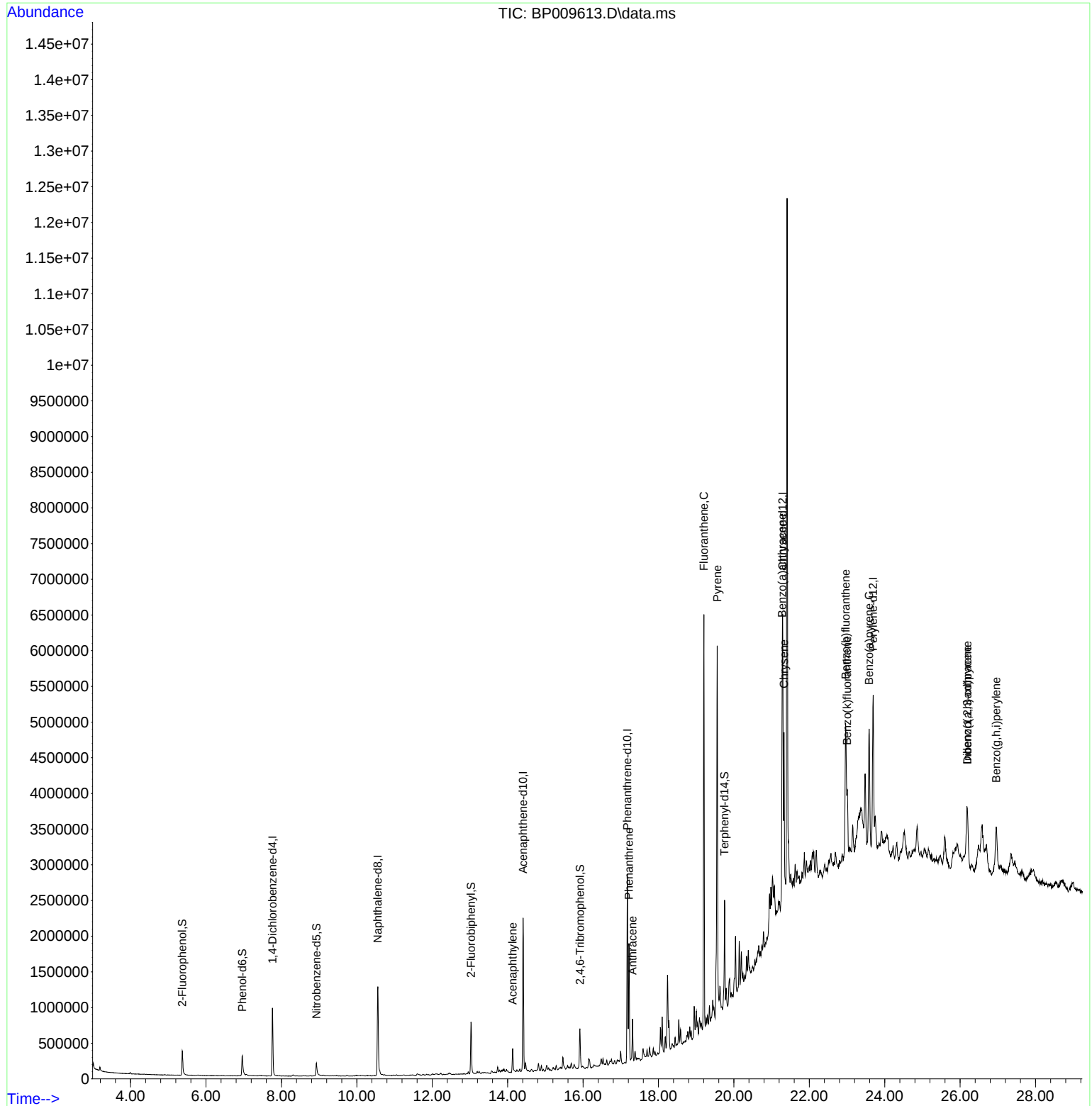
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032922\
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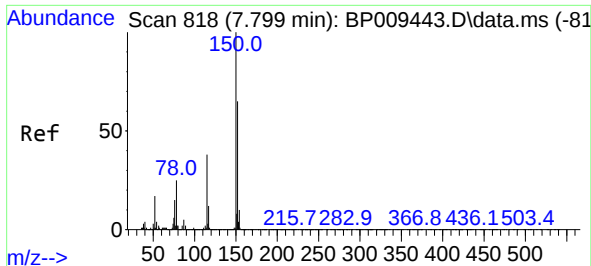
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
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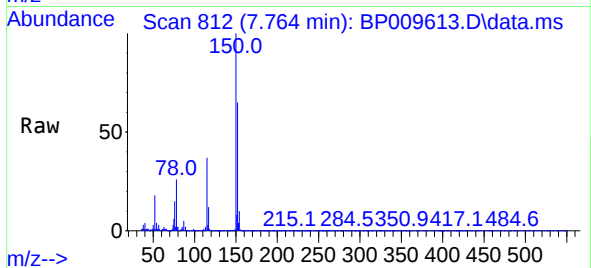
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.764 min Scan# 81
Delta R.T. 0.001 min
Lab File: BP009613.D
Acq: 30 Mar 2022 01:47

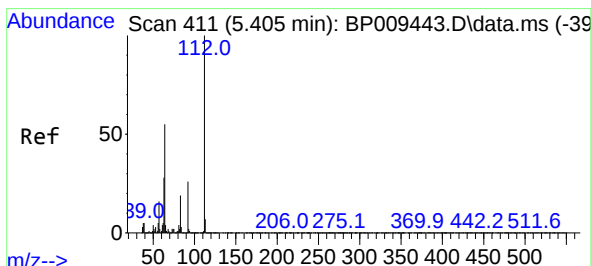
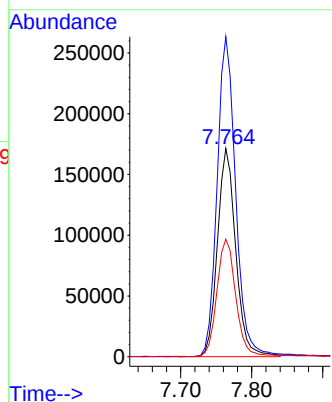
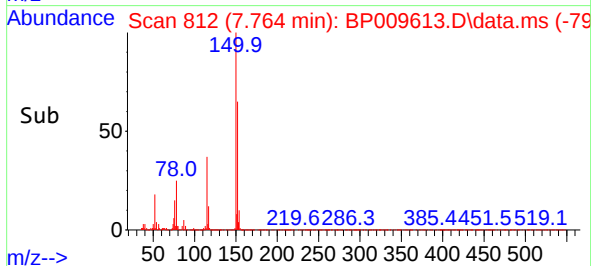
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BNA_P
ClientSampleId :
SB-10-4.0-5.0



Tgt Ion:152 Resp: 30609
Ion Ratio Lower Upper
152 100
150 153.7 124.5 186.7
115 56.4 48.2 72.4

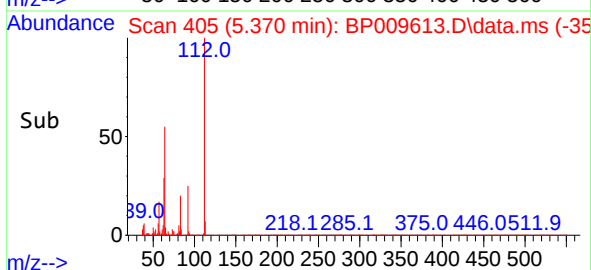
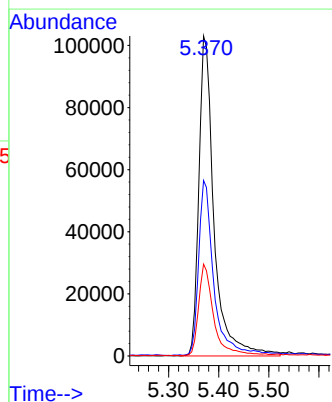
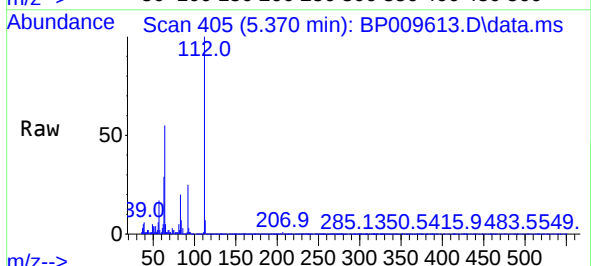
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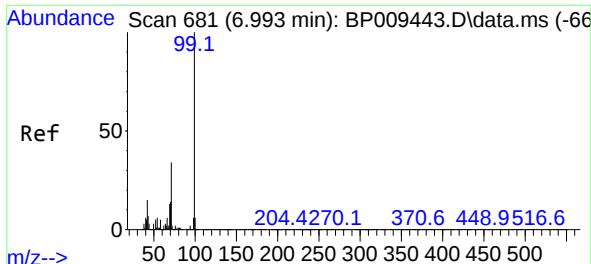
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#5
2-Fluorophenol
Concen: 12.349 ng
RT: 5.370 min Scan# 405
Delta R.T. 0.000 min
Lab File: BP009613.D
Acq: 30 Mar 2022 01:47

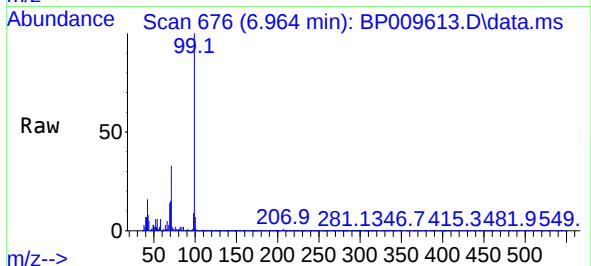
Tgt Ion:112 Resp: 216507
Ion Ratio Lower Upper
112 100
64 54.9 45.0 67.4
63 28.7 23.0 34.6





Phenol-d6
Concen: 11.605 ng
RT: 6.964 min Scan# 61
Delta R.T. 0.012 min
Lab File: BP009613.D
Acq: 30 Mar 2022 01:47

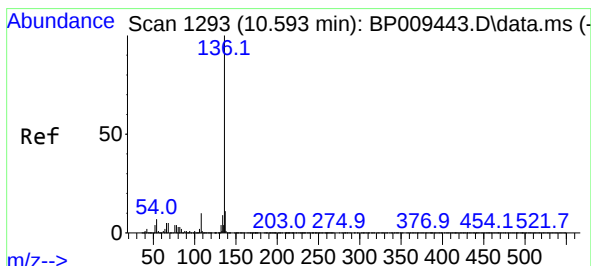
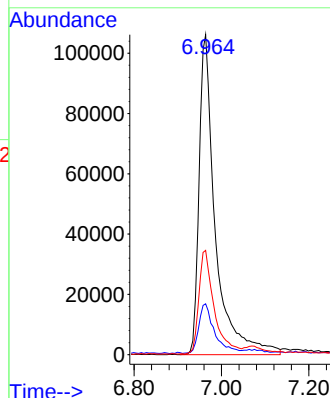
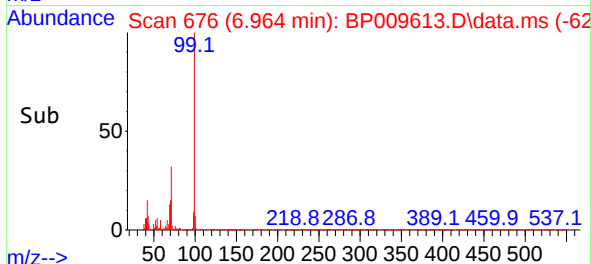
Instrument :
BNA_P
ClientSampleId :
SB-10-4.0-5.0



Tgt Ion: 99 Resp: 275140
Ion Ratio Lower Upper
99 100
42 15.9 12.8 19.2
71 32.6 26.3 39.5

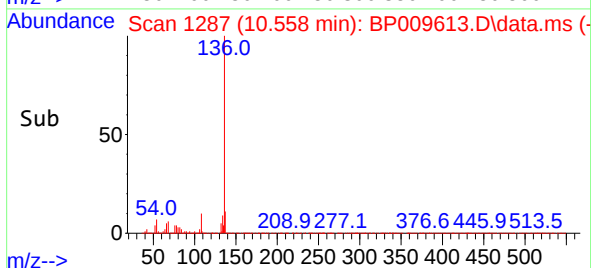
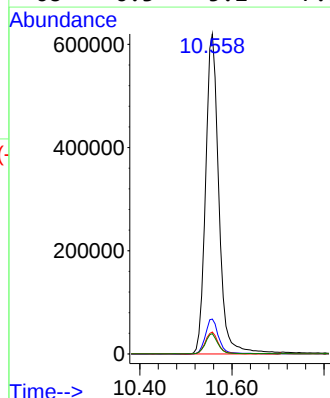
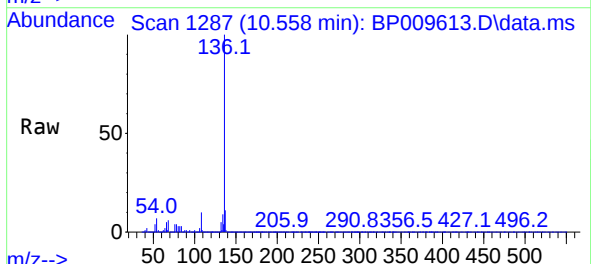
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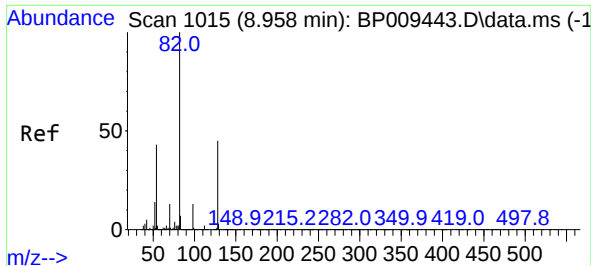
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.558 min Scan# 1287
Delta R.T. 0.000 min
Lab File: BP009613.D
Acq: 30 Mar 2022 01:47

Tgt Ion:136 Resp: 1245575
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 6.9 5.8 8.8
68 6.3 5.2 7.8





#23
Nitrobenzene-d5
Concen: 7.376 ng
RT: 8.928 min Scan# 1010
Delta R.T. 0.006 min
Lab File: BP009613.D
Acq: 30 Mar 2022 01:47

Instrument :

BNA_P

ClientSampleId :

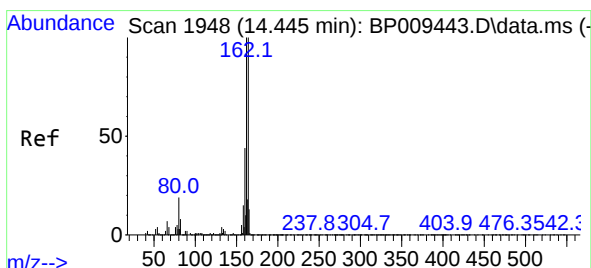
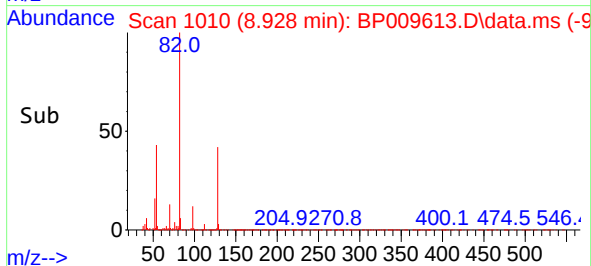
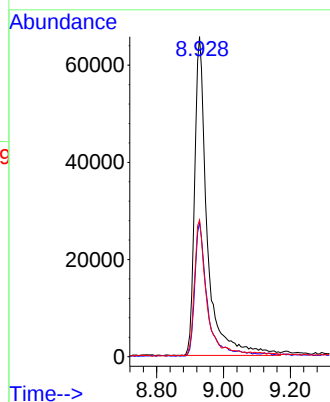
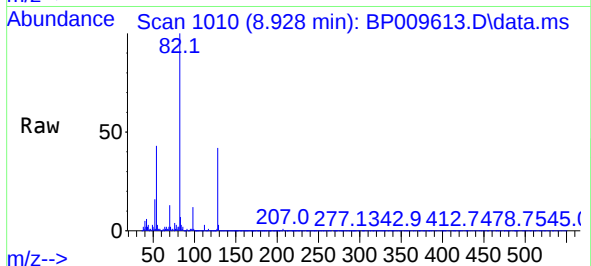
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Tgt Ion: 82 Resp: 172895
Ion Ratio Lower Upper
82 100
128 42.1 34.2 51.4
54 42.7 34.7 52.1

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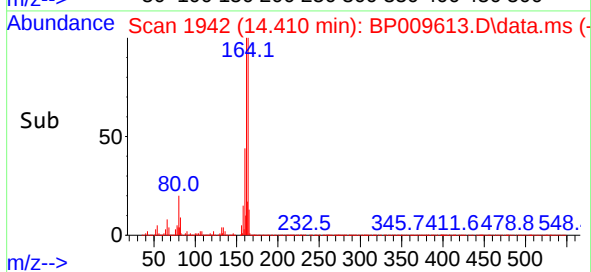
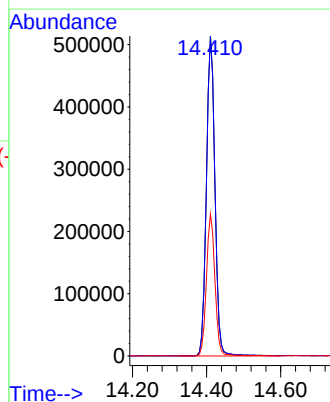
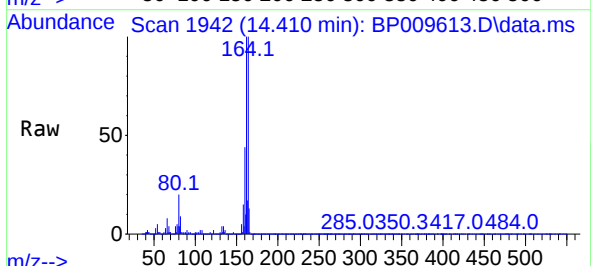
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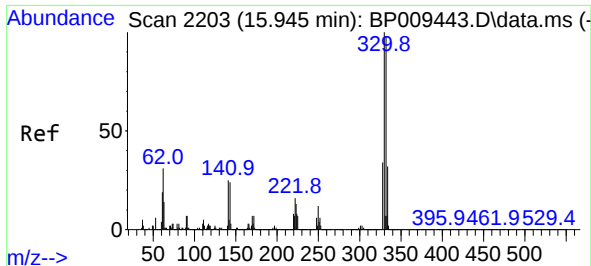
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. 0.000 min
Lab File: BP009613.D
Acq: 30 Mar 2022 01:47

Tgt Ion:164 Resp: 816958
Ion Ratio Lower Upper
164 100
162 99.9 79.1 118.7
160 44.4 34.9 52.3





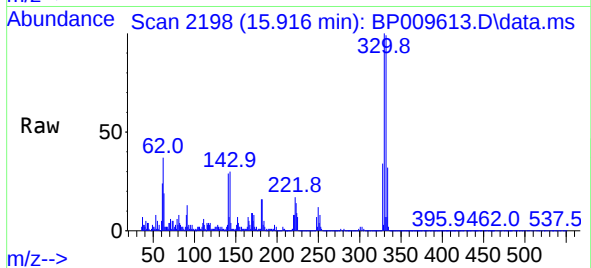
#42
2,4,6-Tribromophenol
Concen: 9.419 ng
RT: 15.916 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP009613.D
Acq: 30 Mar 2022 01:47

Instrument :

BNA_P

ClientSampleId :

SB-10-4.0-5.0



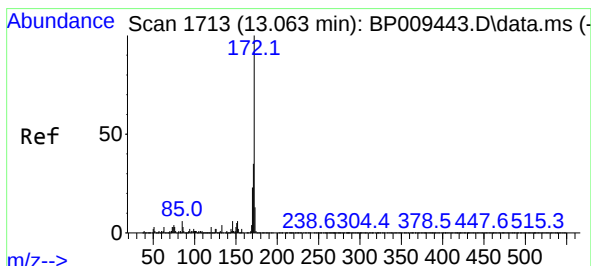
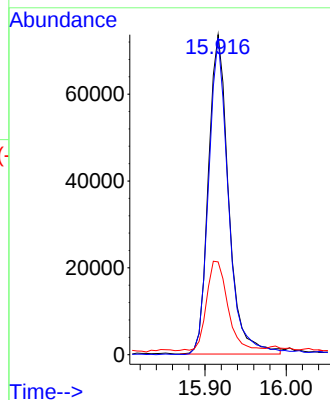
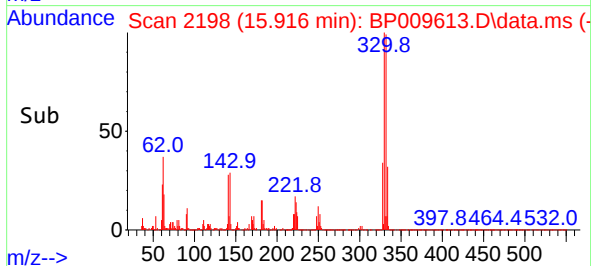
Tgt Ion:330 Resp: 12698
Ion Ratio Lower Upper
330 100
332 98.1 77.0 115.6
141 29.7 27.6 41.4

Manual Integrations

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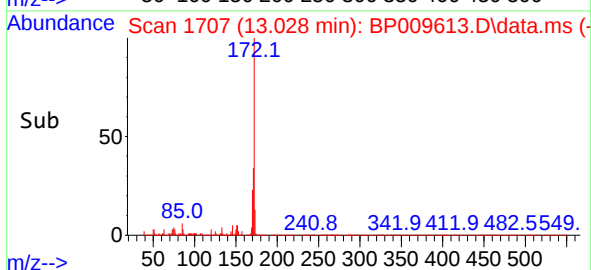
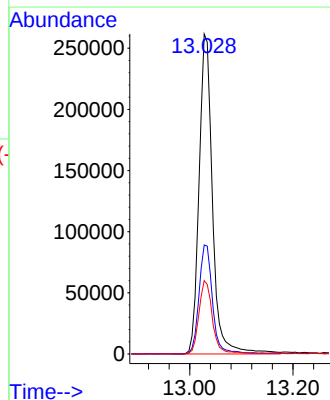
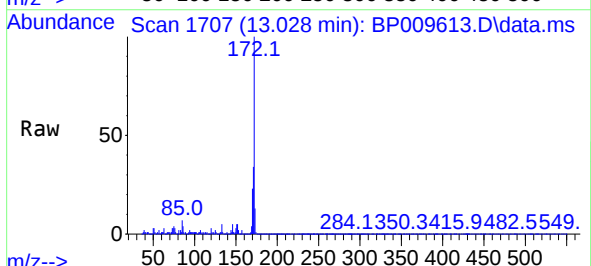
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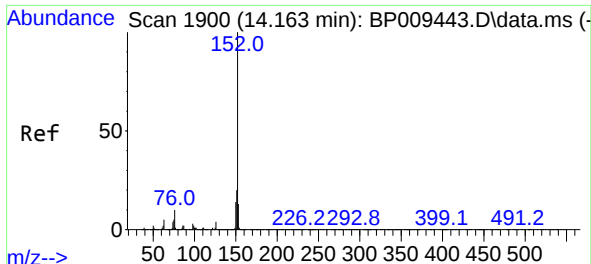
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#45
2-Fluorobiphenyl
Concen: 8.016 ng
RT: 13.028 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BP009613.D
Acq: 30 Mar 2022 01:47

Tgt Ion:172 Resp: 472402
Ion Ratio Lower Upper
172 100
171 34.1 28.0 42.0
170 22.9 18.6 27.8





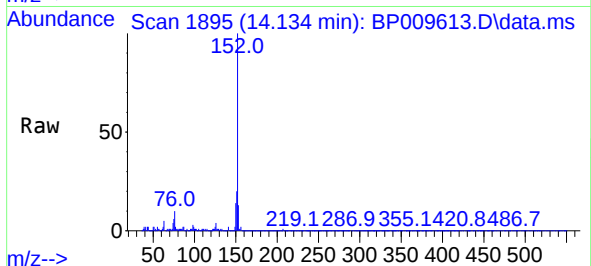
#49
Acenaphthylene
Concen: 3.994 ng
RT: 14.134 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP009613.D
Acq: 30 Mar 2022 01:47

Instrument :

BNA_P

ClientSampleId :

SB-10-4.0-5.0

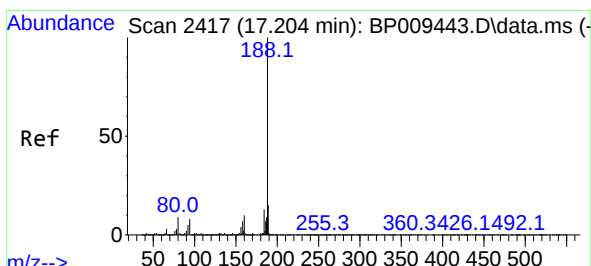
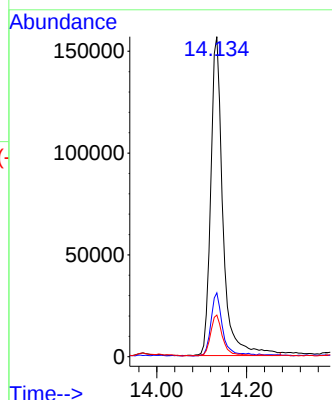
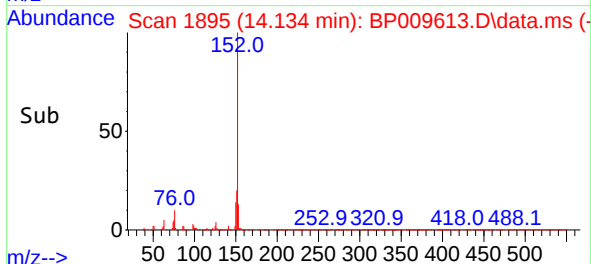


Tgt Ion:152 Resp: 29582
Ion Ratio Lower Upper
152 100
151 19.9 15.9 23.9
153 13.0 10.7 16.1

Manual Integrations

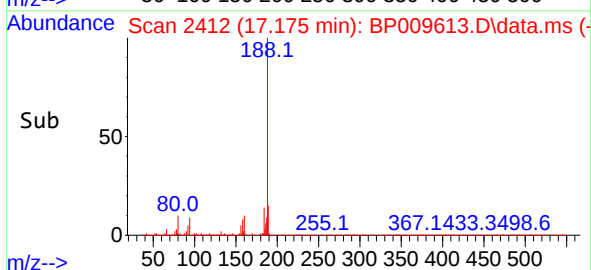
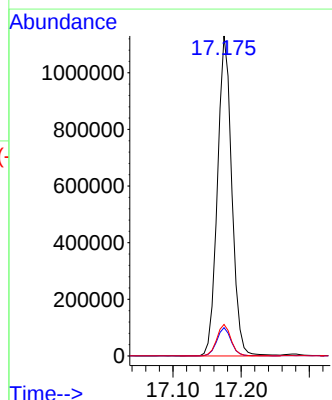
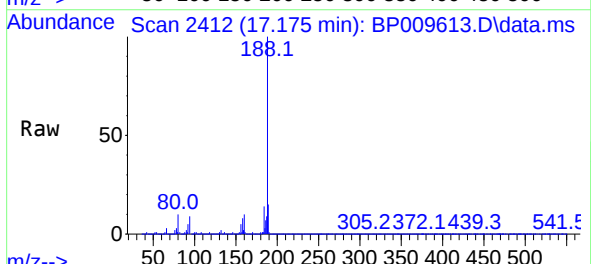
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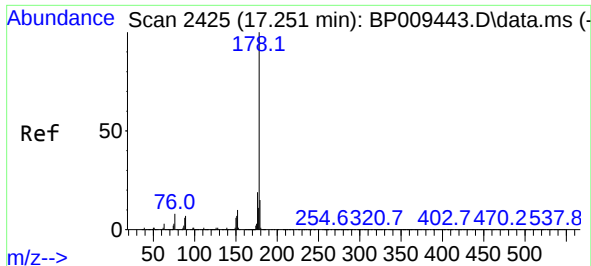
Reviewed By :Christian Giraldo 03/30/2022
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.175 min Scan# 2412
Delta R.T. 0.000 min
Lab File: BP009613.D
Acq: 30 Mar 2022 01:47

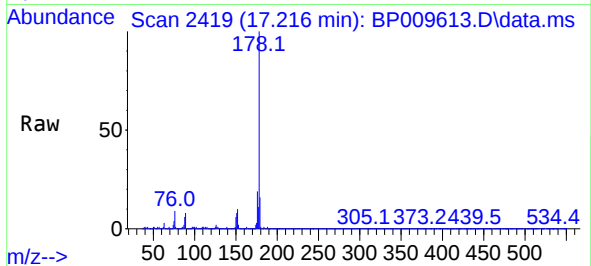
Tgt Ion:188 Resp: 1653477
Ion Ratio Lower Upper
188 100
94 8.9 7.9 11.9
80 9.9 8.8 13.2





#71
Phenanthrene
Concen: 12.626 ng
RT: 17.216 min Scan# 2419
Delta R.T. 0.000 min
Lab File: BP009613.D
Acq: 30 Mar 2022 01:47

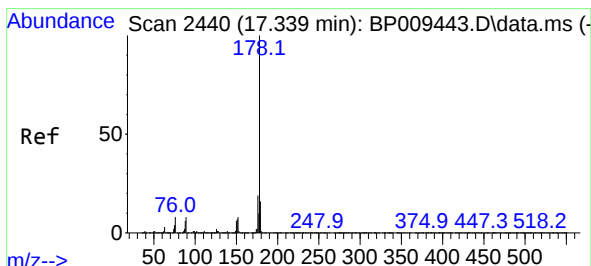
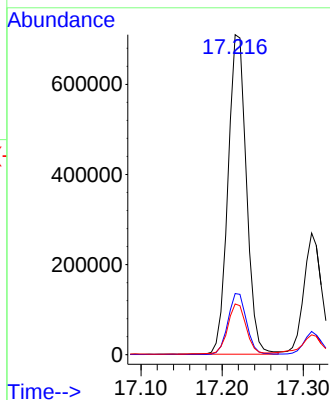
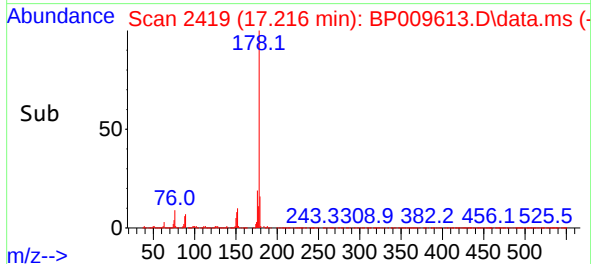
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SB-10-4.0-5.0



Tgt Ion:178 Resp: 111751
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 15.8 12.3 18.5

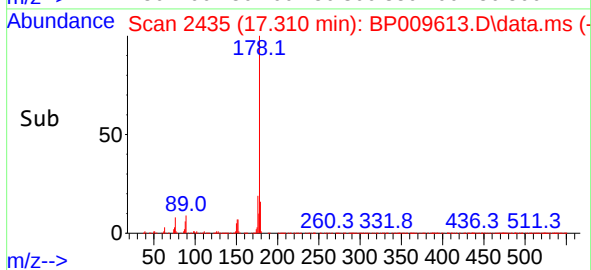
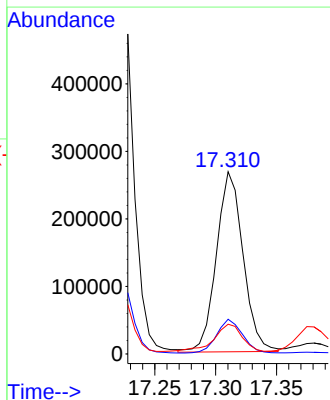
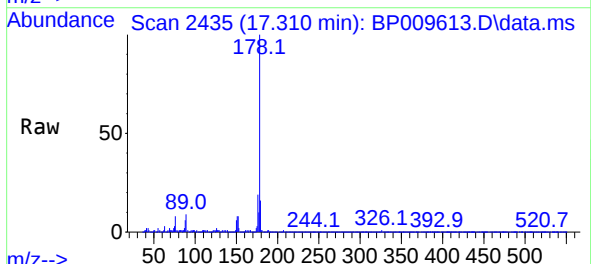
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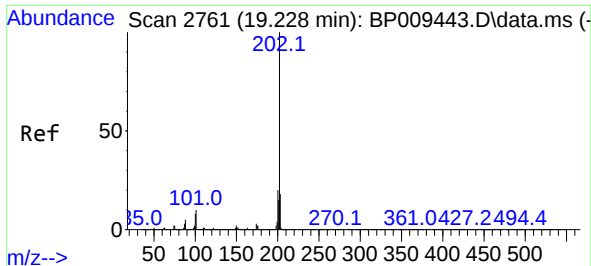
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#72
Anthracene
Concen: 4.667 ng
RT: 17.310 min Scan# 2435
Delta R.T. 0.000 min
Lab File: BP009613.D
Acq: 30 Mar 2022 01:47

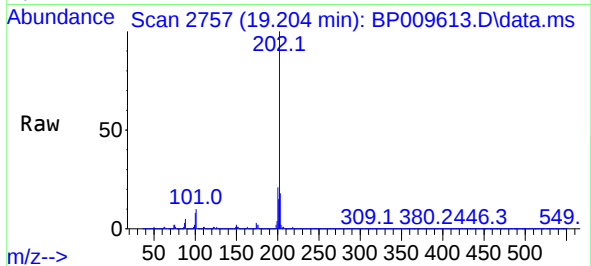
Tgt Ion:178 Resp: 407868
Ion Ratio Lower Upper
178 100
176 19.0 14.8 22.2
179 16.3 12.2 18.4





#75
Fluoranthene
Concen: 33.228 ng
RT: 19.204 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP009613.D
Acq: 30 Mar 2022 01:47

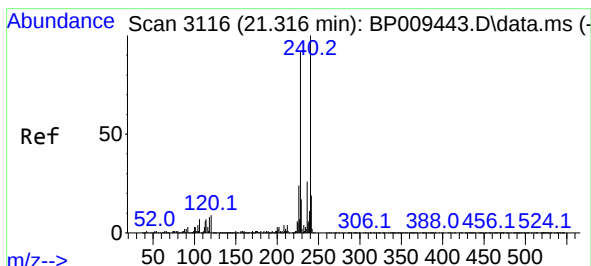
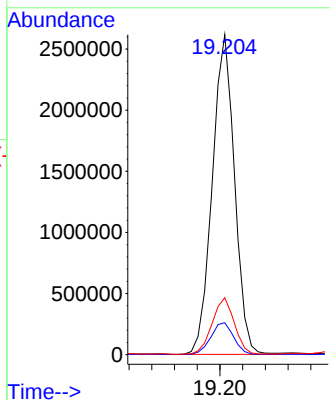
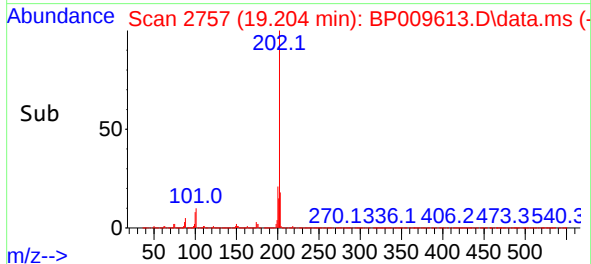
Instrument :
BNA_P
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SB-10-4.0-5.0



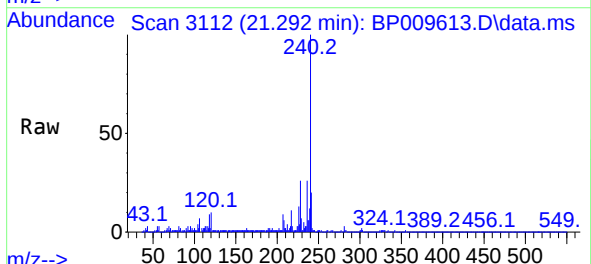
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Ion Ratio Lower Upper
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203 17.8 0.0 37.8

Manual Integrations
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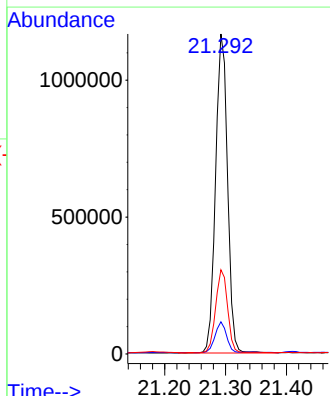
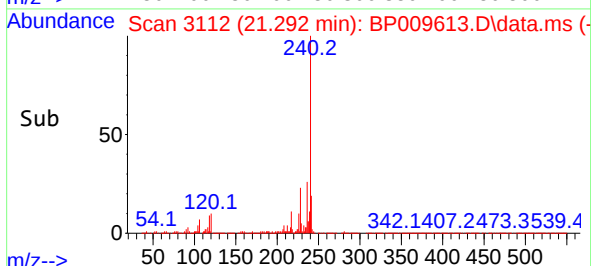
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022

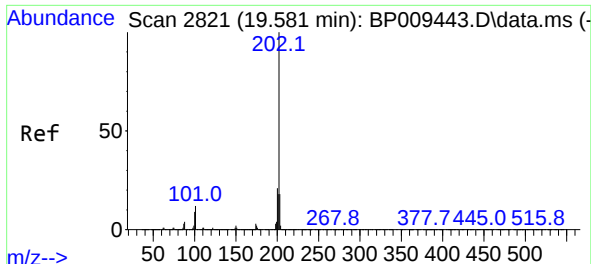


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.292 min Scan# 3112
Delta R.T. 0.000 min
Lab File: BP009613.D
Acq: 30 Mar 2022 01:47



Tgt Ion:240 Resp: 1584510
Ion Ratio Lower Upper
240 100
120 10.1 9.0 13.4
236 26.3 20.6 30.8





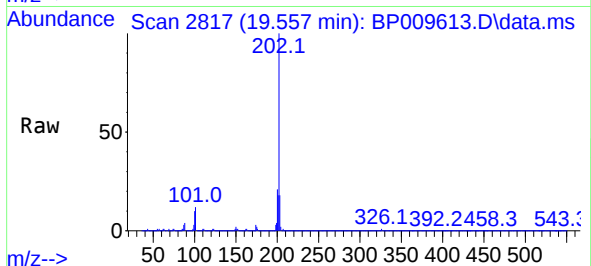
#78
Pyrene
Concen: 31.317 ng
RT: 19.557 min Scan# 2817
Delta R.T. 0.000 min
Lab File: BP009613.D
Acq: 30 Mar 2022 01:47

Instrument :

BNA_P

ClientSampleId :

SB-10-4.0-5.0

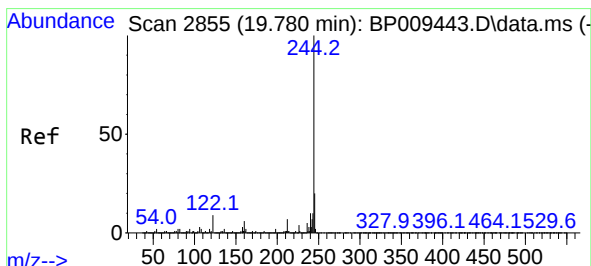
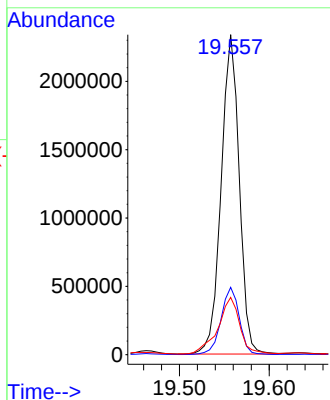
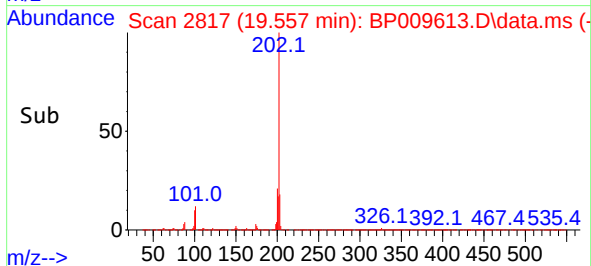


Tgt Ion:202 Resp: 3269864
Ion Ratio Lower Upper
202 100
200 21.1 16.8 25.2
203 17.9 14.2 21.4

Manual Integrations

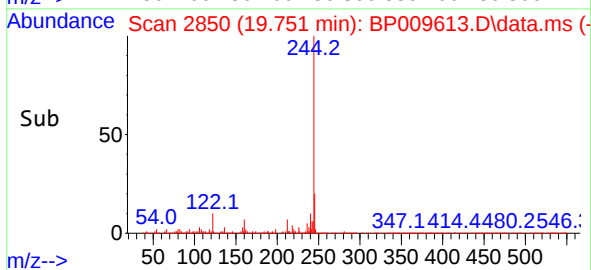
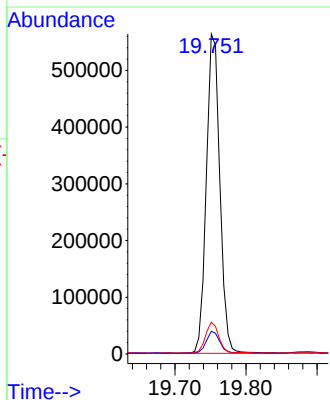
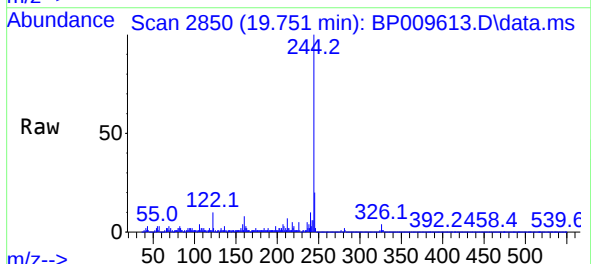
APPROVED

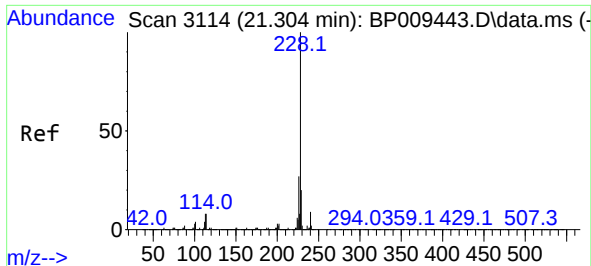
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#79
Terphenyl-d14
Concen: 8.446 ng
RT: 19.751 min Scan# 2850
Delta R.T. -0.006 min
Lab File: BP009613.D
Acq: 30 Mar 2022 01:47

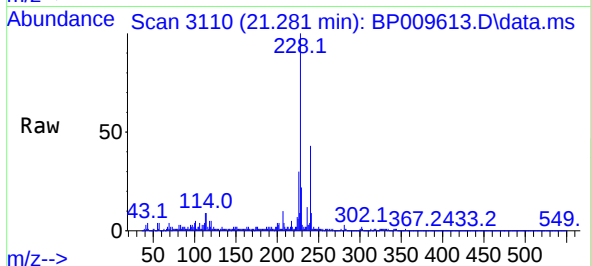
Tgt Ion:244 Resp: 745581
Ion Ratio Lower Upper
244 100
212 7.1 5.8 8.6
122 10.0 8.3 12.5





#81
Benzo(a)anthracene
Concen: 13.104 ng
RT: 21.281 min Scan# 3110
Delta R.T. 0.000 min
Lab File: BP009613.D
Acq: 30 Mar 2022 01:47

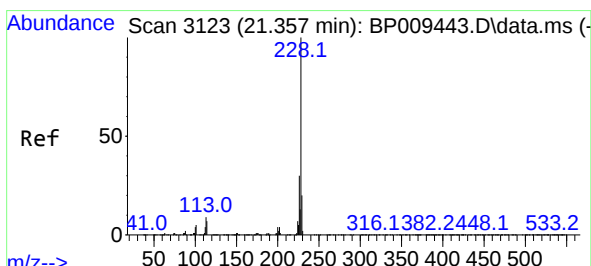
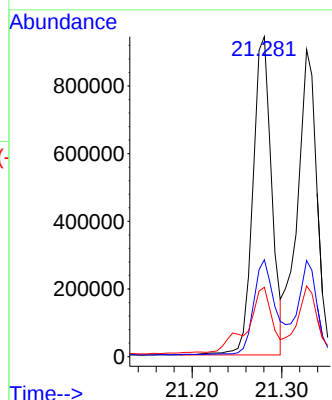
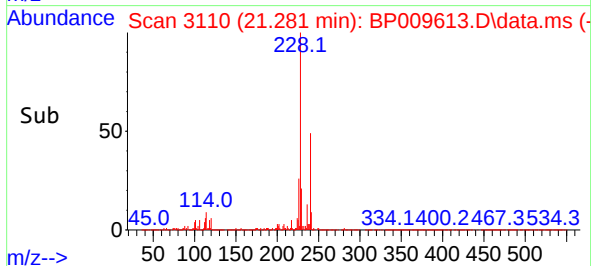
Instrument :
BNA_P
ClientSampleId :
SB-10-4.0-5.0



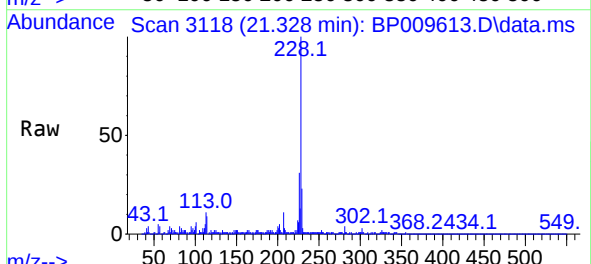
Tgt Ion:228 Resp: 1364194
Ion Ratio Lower Upper
228 100
226 30.3 22.0 33.0
229 21.7 16.1 24.1

Manual Integrations
APPROVED

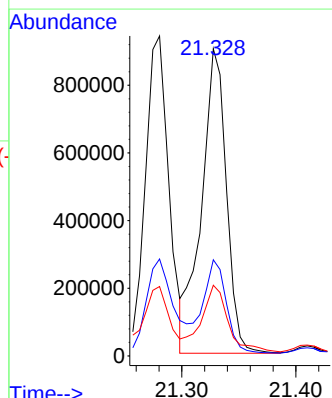
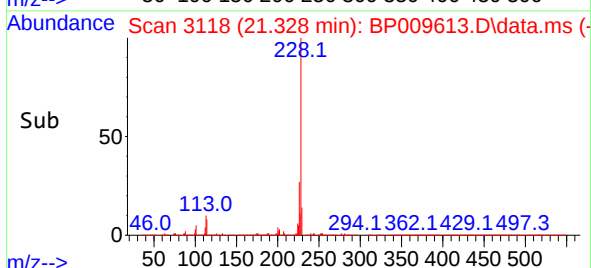
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022

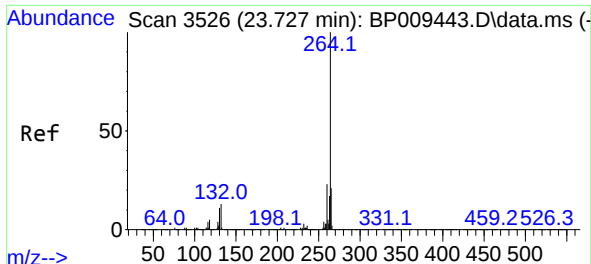


#83
Chrysene
Concen: 13.908 ng m
RT: 21.328 min Scan# 3118
Delta R.T. -0.006 min
Lab File: BP009613.D
Acq: 30 Mar 2022 01:47



Tgt Ion:228 Resp: 1370964
Ion Ratio Lower Upper
228 100
226 31.3 24.2 36.2
229 23.0 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.692 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP009613.D
Acq: 30 Mar 2022 01:47

Instrument :

BNA_P

ClientSampleId :

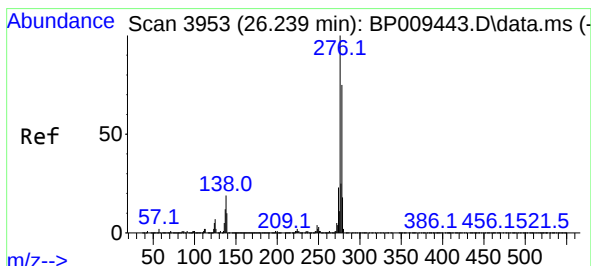
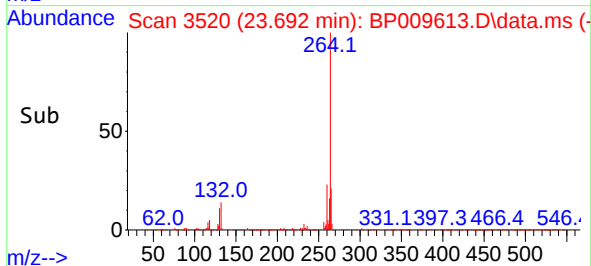
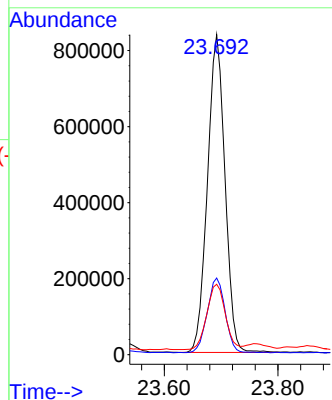
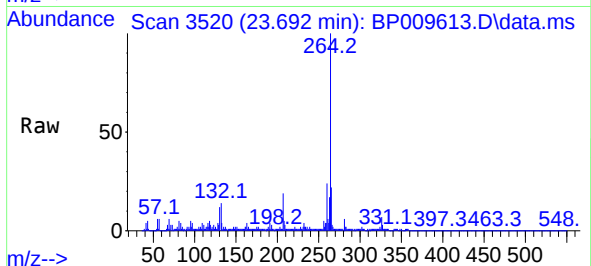
SB-10-4.0-5.0

Tgt Ion:264 Resp: 1783900
Ion Ratio Lower Upper
264 100
260 23.9 19.4 29.0
265 22.0 17.2 25.8

Manual Integrations

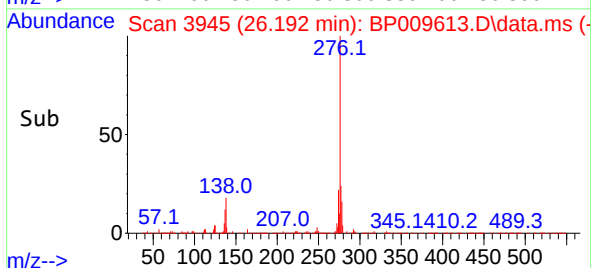
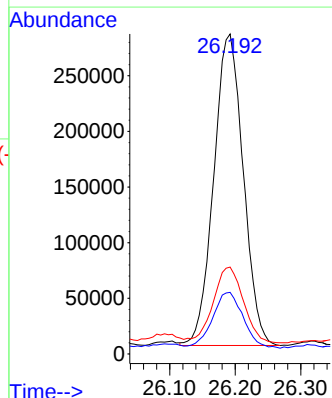
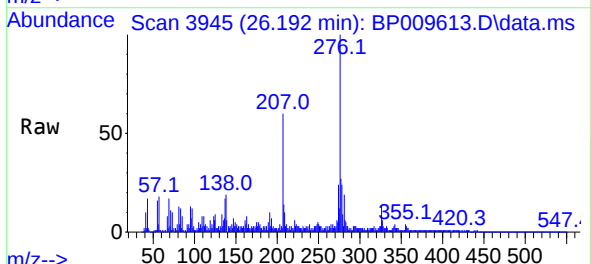
APPROVED

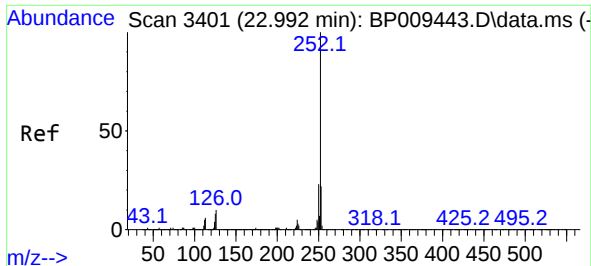
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.461 ng
RT: 26.192 min Scan# 3945
Delta R.T. 0.012 min
Lab File: BP009613.D
Acq: 30 Mar 2022 01:47

Tgt Ion:276 Resp: 874438
Ion Ratio Lower Upper
276 100
138 18.8 20.5 30.7#
277 24.7 20.4 30.6





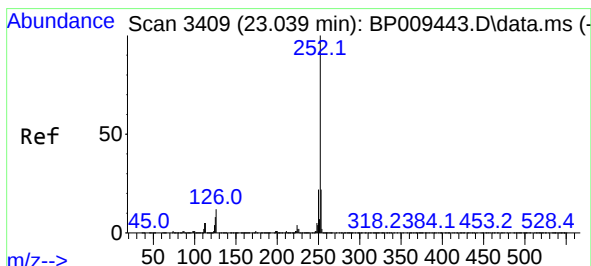
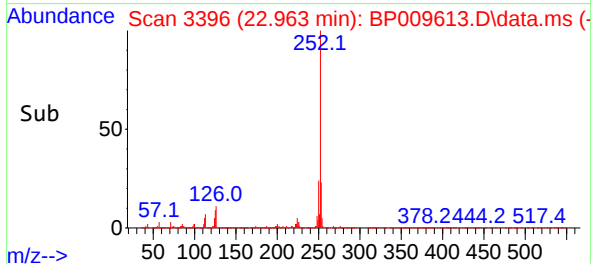
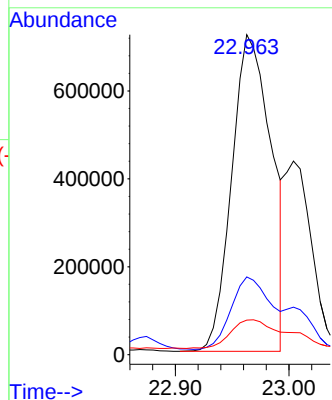
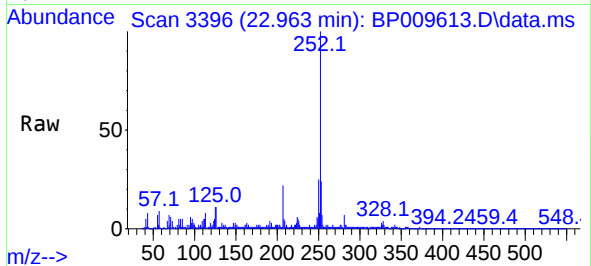
#88
Benzo(b)fluoranthene
Concen: 16.378 ng
RT: 22.963 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP009613.D
Acq: 30 Mar 2022 01:47

Instrument :
BNA_P
ClientSampleId :
SB-10-4.0-5.0

Tgt Ion:252 Resp: 174415
Ion Ratio Lower Upper
252 100
253 24.3 17.8 26.8
125 10.8 8.1 12.1

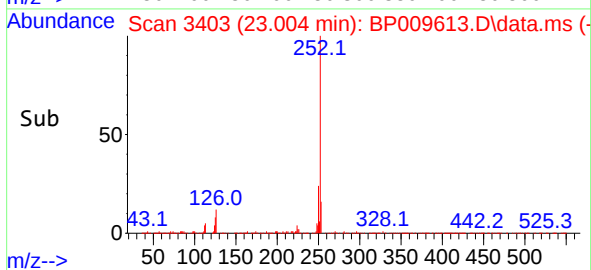
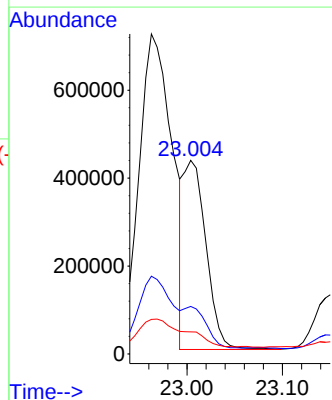
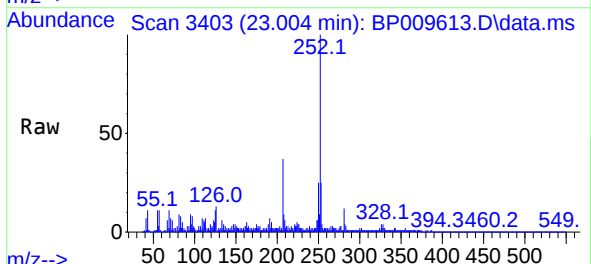
Manual Integrations
APPROVED

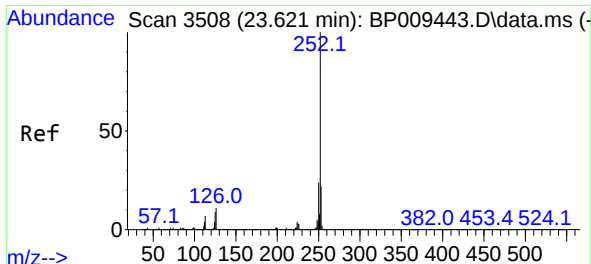
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#89
Benzo(k)fluoranthene
Concen: 6.732 ng m
RT: 23.004 min Scan# 3403
Delta R.T. 0.000 min
Lab File: BP009613.D
Acq: 30 Mar 2022 01:47

Tgt Ion:252 Resp: 701903
Ion Ratio Lower Upper
252 100
253 24.5 17.5 26.3
125 11.4 8.3 12.5





#90
Benzo(a)pyrene
Concen: 14.200 ng
RT: 23.586 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP009613.D
Acq: 30 Mar 2022 01:47

Instrument :

BNA_P

ClientSampleId :

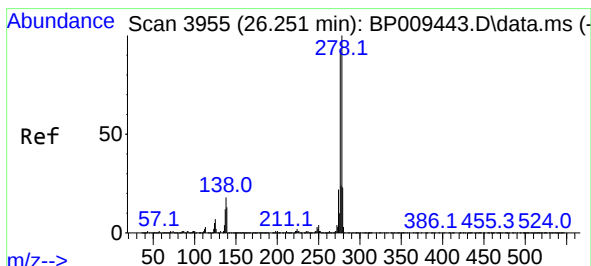
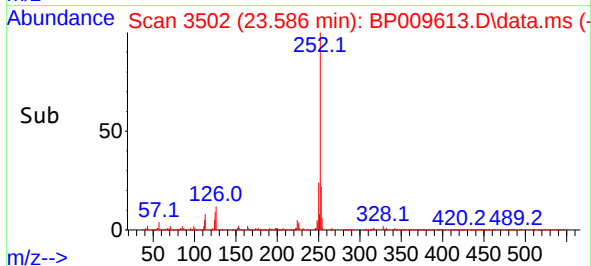
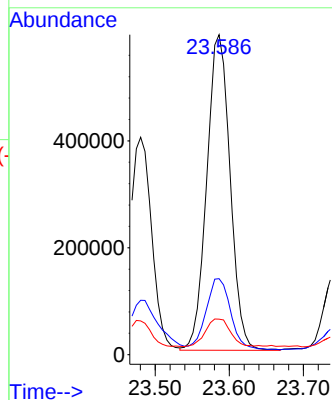
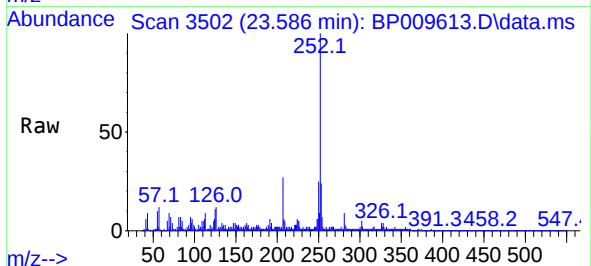
SB-10-4.0-5.0

Tgt Ion:252 Resp: 129382
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.6
125 11.1 9.3 13.9

Manual Integrations

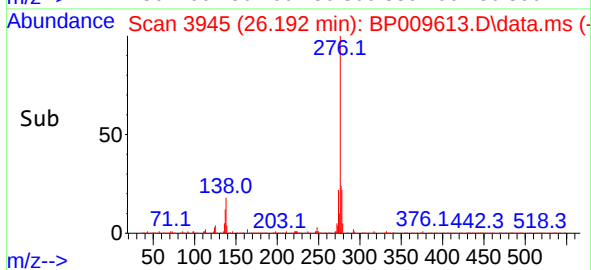
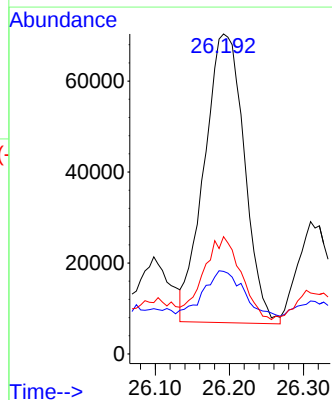
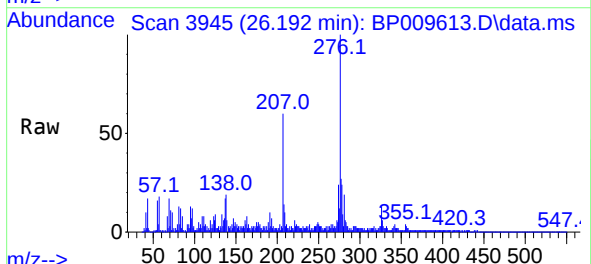
APPROVED

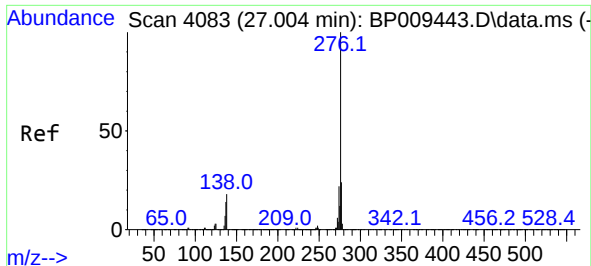
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#91
Dibenzo(a,h)anthracene
Concen: 2.113 ng
RT: 26.192 min Scan# 3945
Delta R.T. -0.006 min
Lab File: BP009613.D
Acq: 30 Mar 2022 01:47

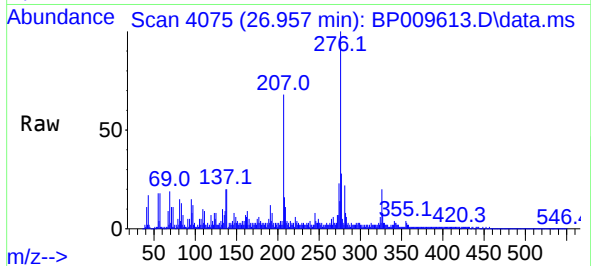
Tgt Ion:278 Resp: 238357
Ion Ratio Lower Upper
278 100
139 25.8 13.2 19.8#
279 36.7 19.2 28.8#





#92
Benzo(g,h,i)perylene
Concen: 7.978 ng
RT: 26.957 min Scan# 4083
Delta R.T. 0.012 min
Lab File: BP009613.D
Acq: 30 Mar 2022 01:47

Instrument :
BNA_P
ClientSampleId :
SB-10-4.0-5.0



Tgt Ion: 276 Resp: 88529
Ion Ratio Lower Upper
276 100
277 27.9 19.2 28.8
138 19.6 18.0 27.0

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 03/30/2022
Supervised By : Jagrut Upadhyay 03/30/2022

