

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040422\
 Data File : BP009689.D
 Acq On : 04 Apr 2022 20:56
 Operator : CG/JU
 Sample : N2239-01 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-4

Quant Time: Apr 04 23:27:39 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

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 04/05/2022
 Supervised By : Jagrut Upadhyay 04/05/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.728	152	268895	20.000	ng	-0.01
21) Naphthalene-d8	10.516	136	1087488	20.000	ng	-0.02
39) Acenaphthene-d10	14.375	164	679739	20.000	ng	-0.02
64) Phenanthrene-d10	17.140	188	1367321	20.000	ng	-0.02
76) Chrysene-d12	21.263	240	1340458	20.000	ng	-0.01
86) Perylene-d12	23.633	264	1432535	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	166854	10.834	ng	0.00
7) Phenol-d6	6.934	99	210975	10.129	ng	0.00
23) Nitrobenzene-d5	8.893	82	134991	6.596	ng	0.00
42) 2,4,6-Tribromophenol	15.881	330	77366	6.897	ng	-0.01
45) 2-Fluorobiphenyl	12.993	172	344325	7.022	ng	-0.02
79) Terphenyl-d14	19.722	244	528321	7.074	ng	-0.02
Target Compounds						Qvalue
52) Acenaphthene	14.440	154	314885	8.553	ng	99
55) Dibenzofuran	14.781	168	361593	5.846	ng	98
58) Fluorene	15.428	166	564467	11.604	ng	98
71) Phenanthrene	17.181	178	4249912	58.064	ng	100
72) Anthracene	17.275	178	1694176	23.444	ng	99
73) Carbazole	17.557	167	223119	3.157	ng	100
75) Fluoranthene	19.169	202	7270005	82.044	ng	99
78) Pyrene	19.522	202	5733279	64.907	ng	99
81) Benzo(a)anthracene	21.245	228	3368971	38.255	ng	99
83) Chrysene	21.298	228	2587666	31.030	ng	97
87) Indeno(1,2,3-cd)pyrene	26.104	276	1583428	14.569	ng	# 93
88) Benzo(b)fluoranthene	22.916	252	3546139m	41.466	ng	
89) Benzo(k)fluoranthene	22.951	252	1236589m	14.769	ng	
90) Benzo(a)pyrene	23.533	252	2611620	35.694	ng	98
91) Dibenzo(a,h)anthracene	26.104	278	450484	4.973	ng	92
92) Benzo(g,h,i)perylene	26.863	276	1423714	15.977	ng	97

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

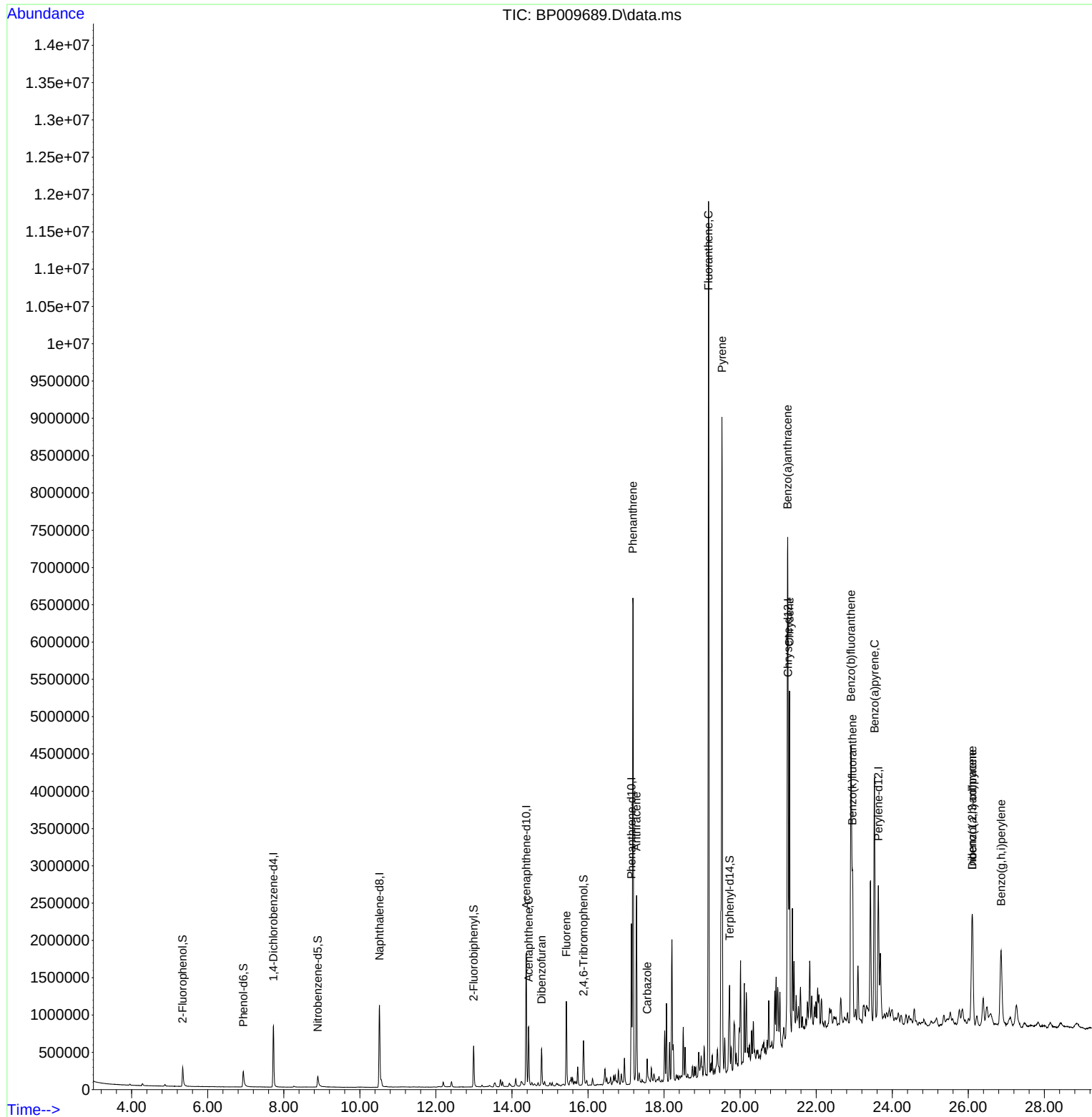
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040422\
Data File : BP009689.D
Acq On : 04 Apr 2022 20:56
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ALS Vial : 19 Sample Multiplier: 1

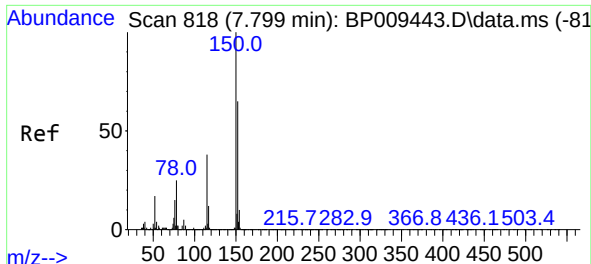
Instrument :
BNA_P
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Quant Time: Apr 04 23:27:39 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
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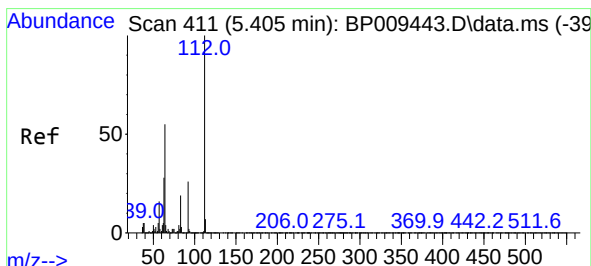
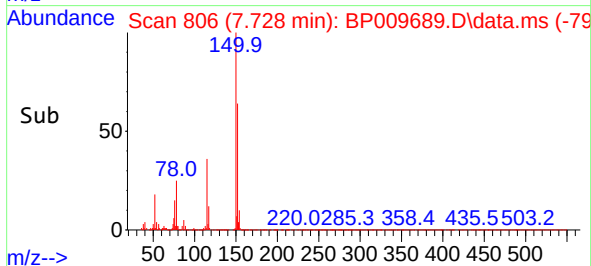
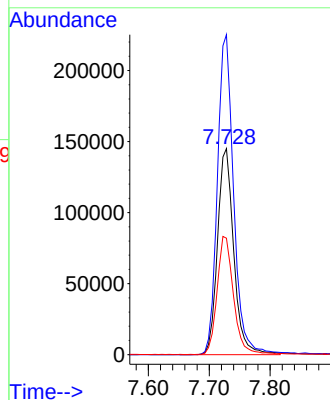
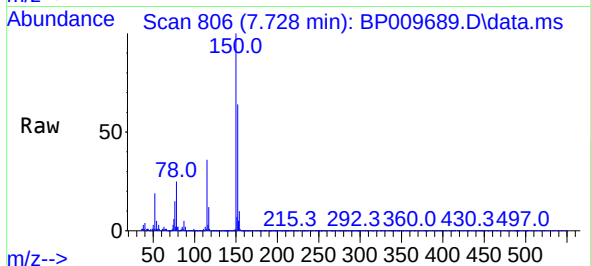
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.728 min Scan# 80
Delta R.T. -0.012 min
Lab File: BP009689.D
Acq: 04 Apr 2022 20:56

Instrument :
BNA_P
ClientSampleId :
TP-4

Tgt Ion:152 Resp: 26889
Ion Ratio Lower Upper
152 100
150 155.2 124.5 186.7
115 56.5 48.2 72.4

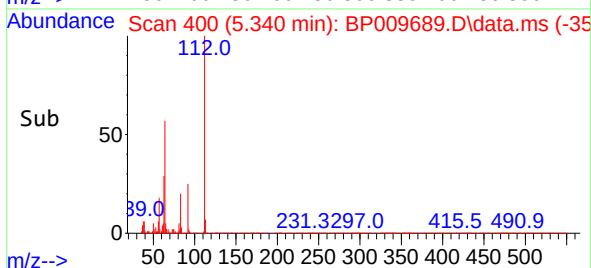
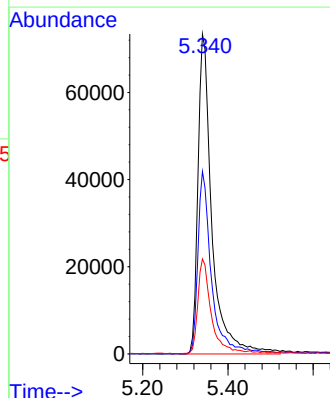
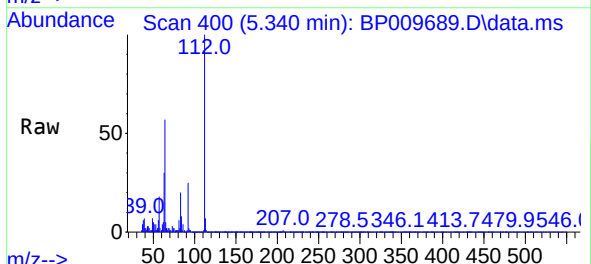
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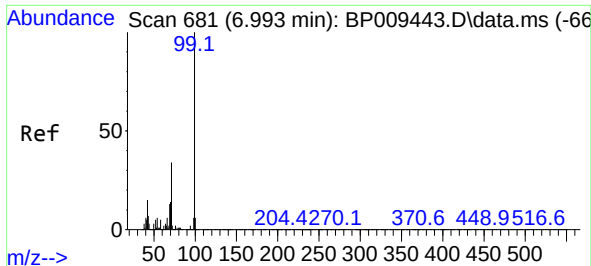
Reviewed By :Christian Giraldo 04/05/2022
Supervised By :Jagrut Upadhyay 04/05/2022



#5
2-Fluorophenol
Concen: 10.834 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.006 min
Lab File: BP009689.D
Acq: 04 Apr 2022 20:56

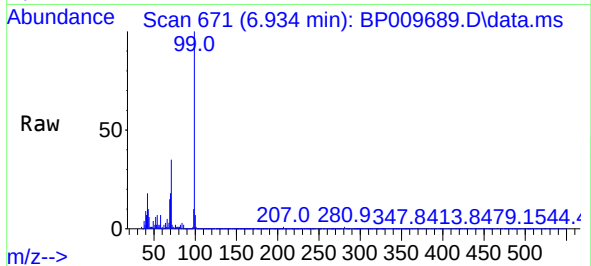
Tgt Ion:112 Resp: 166854
Ion Ratio Lower Upper
112 100
64 57.1 45.0 67.4
63 29.7 23.0 34.6





#7
Phenol-d6
Concen: 10.129 ng
RT: 6.934 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP009689.D
Acq: 04 Apr 2022 20:56

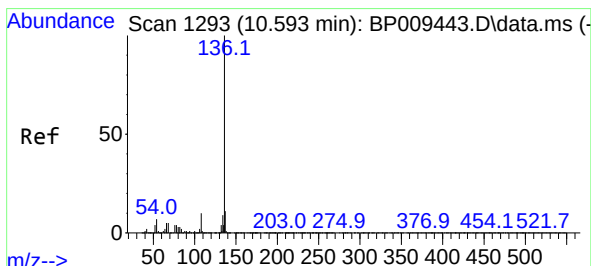
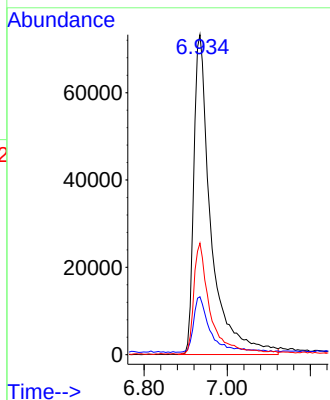
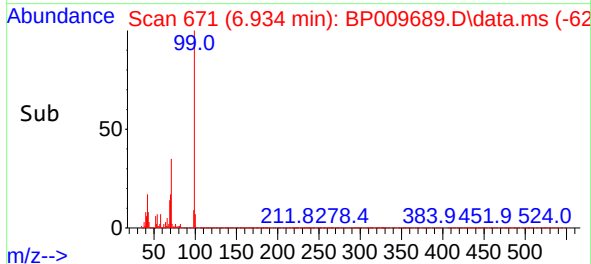
Instrument :
BNA_P
ClientSampleId :
TP-4



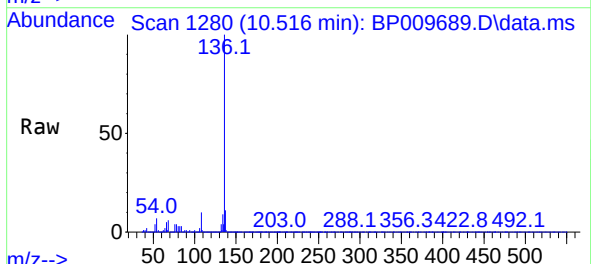
Tgt Ion: 99 Resp: 21097
Ion Ratio Lower Upper
99 100
42 18.1 12.8 19.2
71 34.9 26.3 39.5

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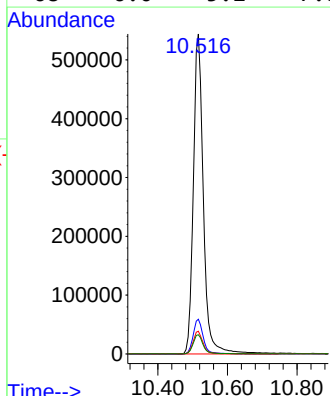
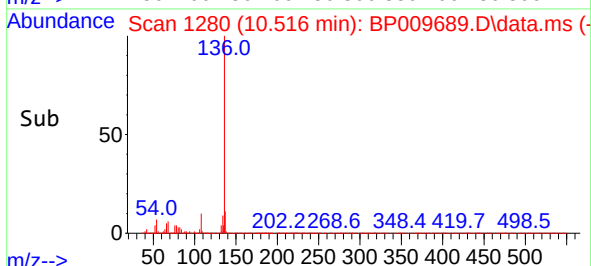
Reviewed By :Christian Giraldo 04/05/2022
Supervised By :Jagrut Upadhyay 04/05/2022

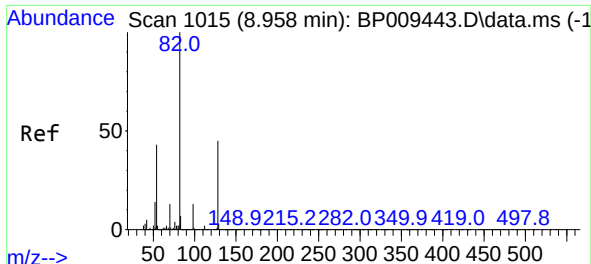


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.516 min Scan# 1280
Delta R.T. -0.017 min
Lab File: BP009689.D
Acq: 04 Apr 2022 20:56



Tgt Ion:136 Resp: 1087488
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 7.1 5.8 8.8
68 6.0 5.2 7.8





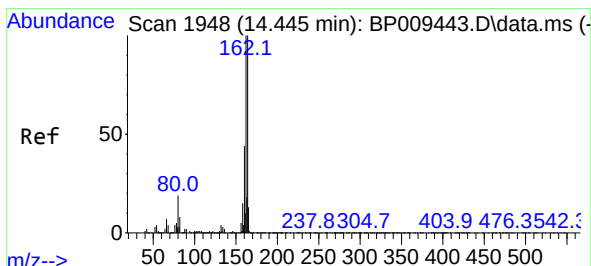
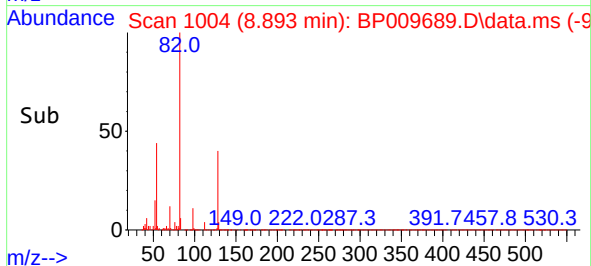
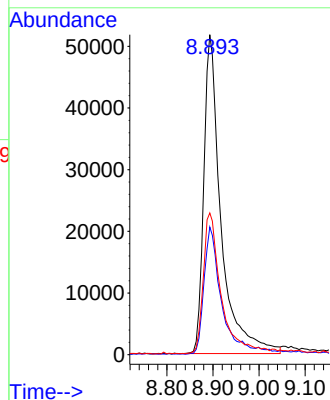
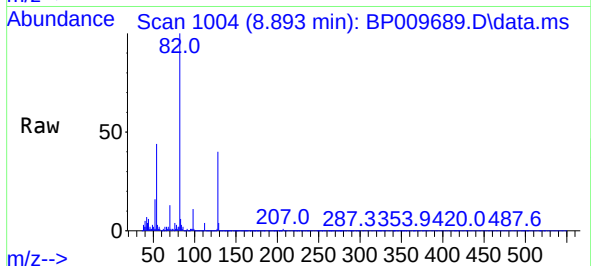
#23
Nitrobenzene-d5
Concen: 6.596 ng
RT: 8.893 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BP009689.D
Acq: 04 Apr 2022 20:56

Instrument :
BNA_P
ClientSampleId :
TP-4

Tgt Ion: 82 Resp: 13499
Ion Ratio Lower Upper
82 100
128 39.9 34.2 51.4
54 44.3 34.7 52.1

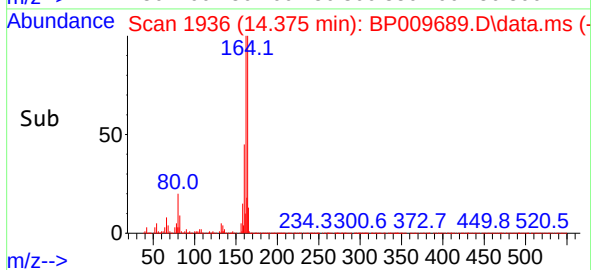
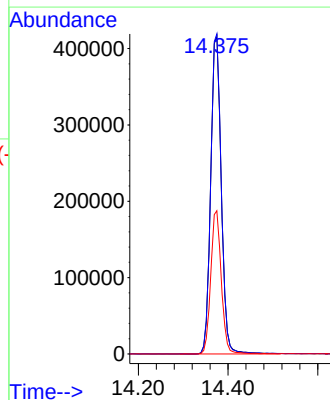
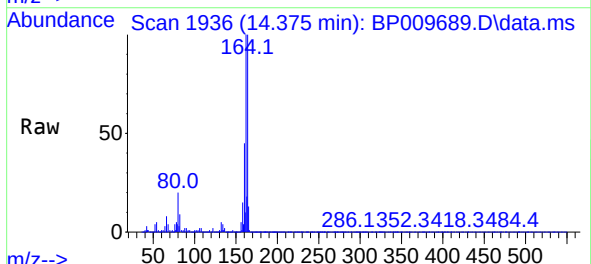
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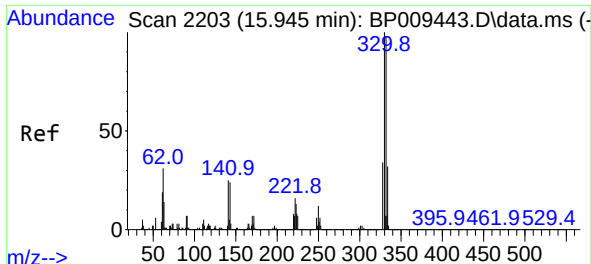
Reviewed By :Christian Giraldo 04/05/2022
Supervised By :Jagrut Upadhyay 04/05/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.375 min Scan# 1936
Delta R.T. -0.017 min
Lab File: BP009689.D
Acq: 04 Apr 2022 20:56

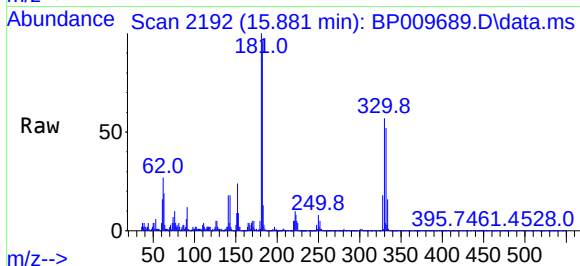
Tgt Ion:164 Resp: 679739
Ion Ratio Lower Upper
164 100
162 100.4 79.1 118.7
160 45.0 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 6.897 ng
RT: 15.881 min Scan# 2192
Delta R.T. -0.012 min
Lab File: BP009689.D
Acq: 04 Apr 2022 20:56

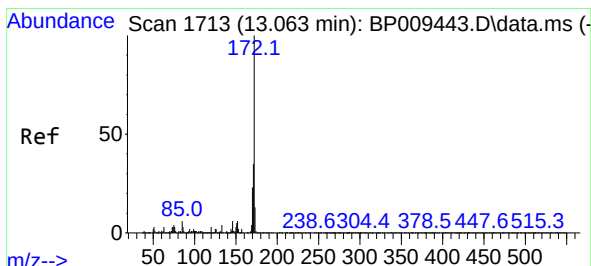
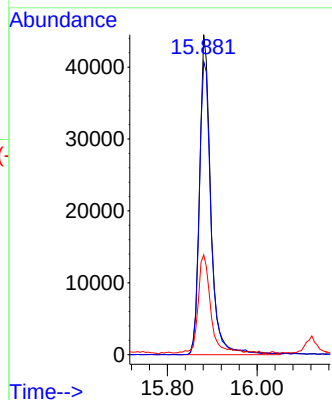
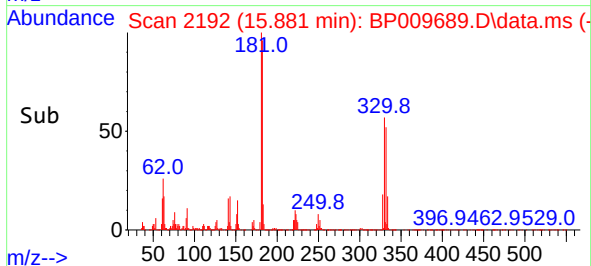
Instrument :
BNA_P
ClientSampleId :
TP-4



Tgt Ion: 330 Resp: 77360
Ion Ratio Lower Upper
330 100
332 95.4 77.0 115.6
141 33.6 27.6 41.4

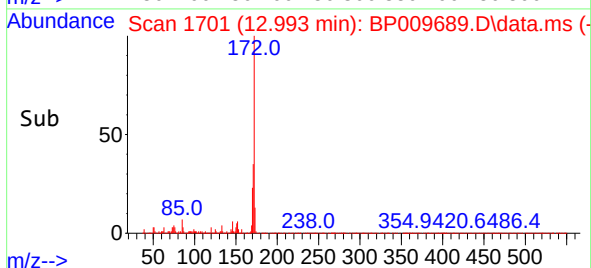
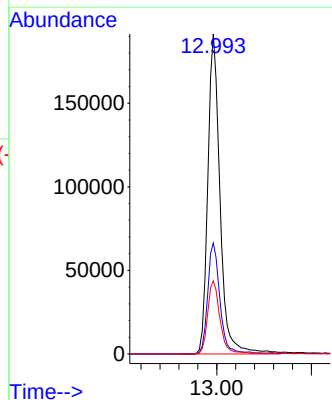
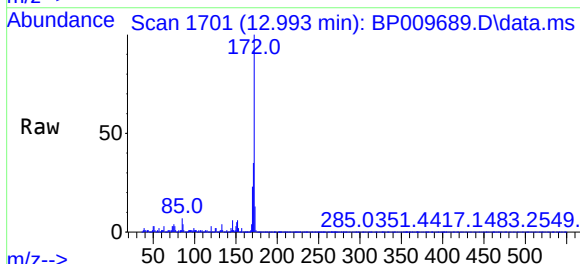
Manual Integrations
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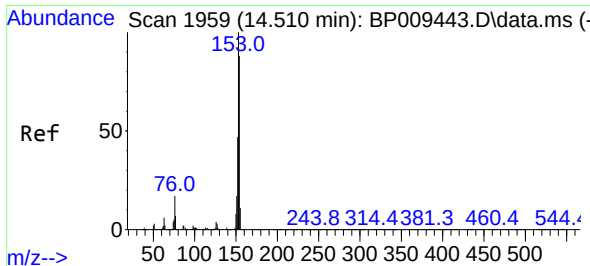
Reviewed By : Christian Giraldo 04/05/2022
Supervised By : Jagrut Upadhyay 04/05/2022



#45
2-Fluorobiphenyl
Concen: 7.022 ng
RT: 12.993 min Scan# 1701
Delta R.T. -0.017 min
Lab File: BP009689.D
Acq: 04 Apr 2022 20:56

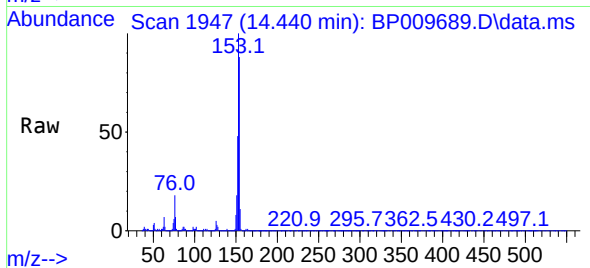
Tgt Ion: 172 Resp: 344325
Ion Ratio Lower Upper
172 100
171 34.7 28.0 42.0
170 22.9 18.6 27.8





#52
Acenaphthene
Concen: 8.553 ng
RT: 14.440 min Scan# 1959
Delta R.T. -0.017 min
Lab File: BP009689.D
Acq: 04 Apr 2022 20:56

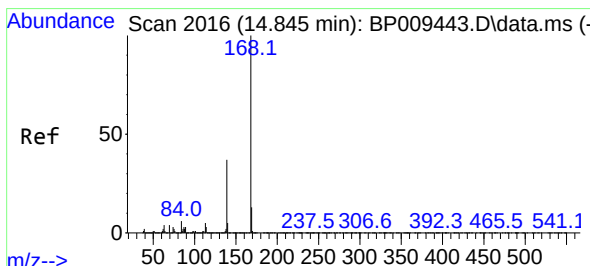
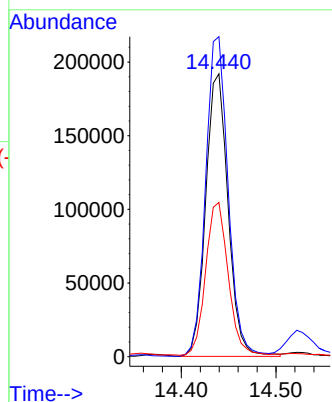
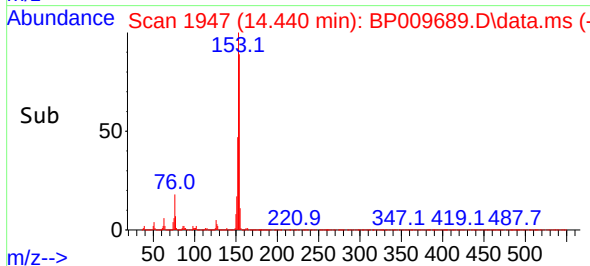
Instrument :
BNA_P
ClientSampleId :
TP-4



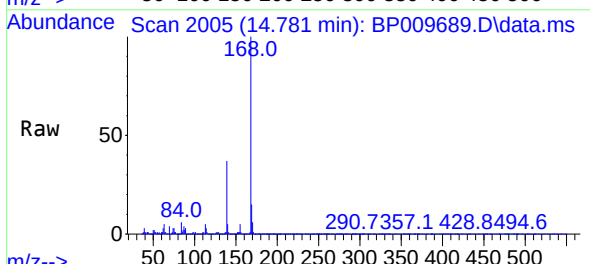
Tgt Ion:154 Resp: 31488
Ion Ratio Lower Upper
154 100
153 113.1 90.2 135.4
152 54.5 42.7 64.1

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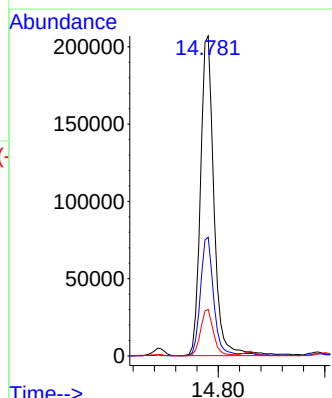
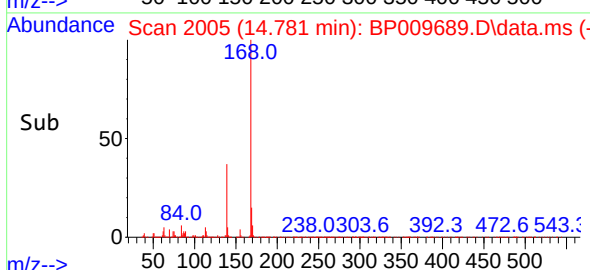
Reviewed By :Christian Giraldo 04/05/2022
Supervised By :Jagrut Upadhyay 04/05/2022

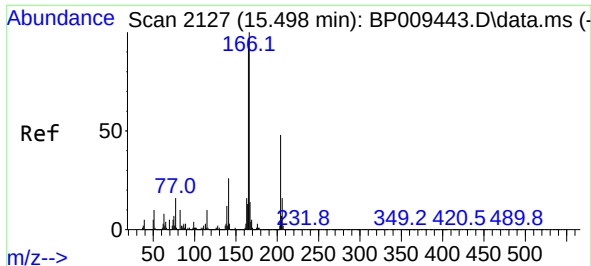


#55
Dibenzofuran
Concen: 5.846 ng
RT: 14.781 min Scan# 2005
Delta R.T. -0.012 min
Lab File: BP009689.D
Acq: 04 Apr 2022 20:56



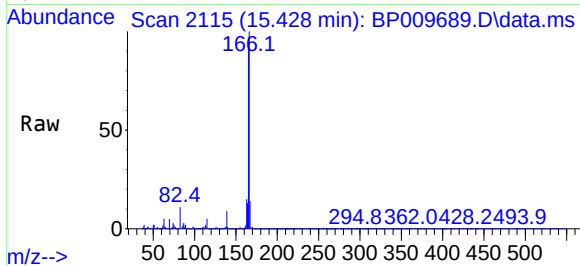
Tgt Ion:168 Resp: 361593
Ion Ratio Lower Upper
168 100
139 37.1 29.1 43.7
169 14.6 10.6 16.0





#58
Fluorene
Concen: 11.604 ng
RT: 15.428 min Scan# 2127
Delta R.T. -0.017 min
Lab File: BP009689.D
Acq: 04 Apr 2022 20:56

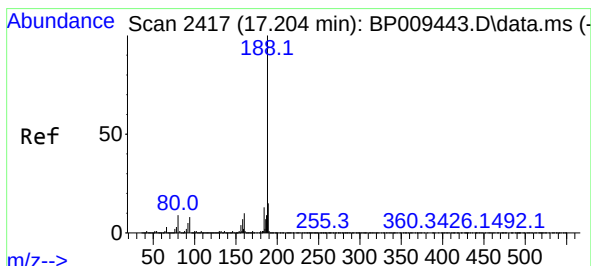
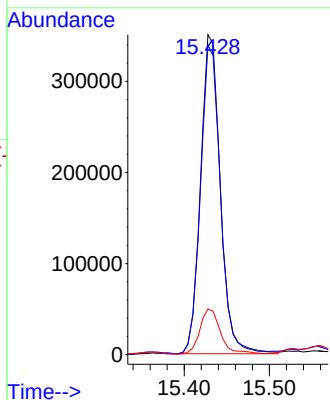
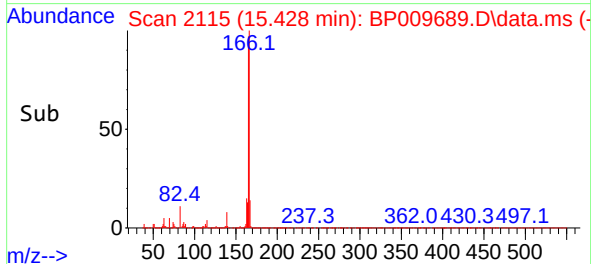
Instrument :
BNA_P
ClientSampleId :
TP-4



Tgt Ion:166 Resp: 56446
Ion Ratio Lower Upper
166 100
165 96.8 79.2 118.8
167 14.2 10.7 16.1

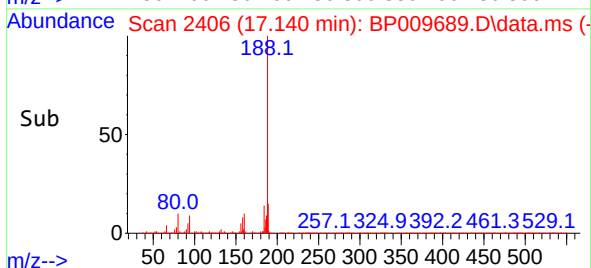
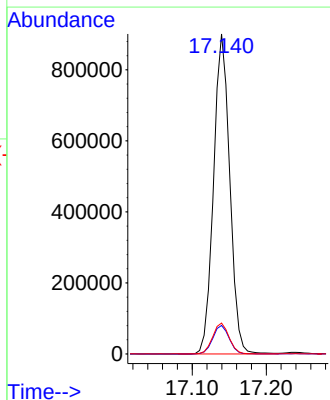
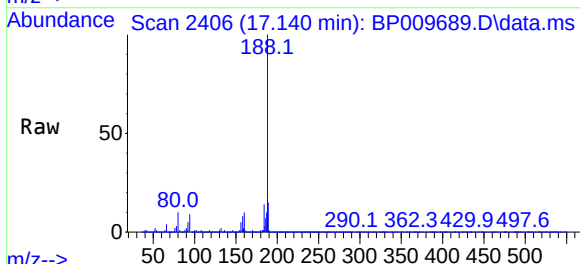
Manual Integrations
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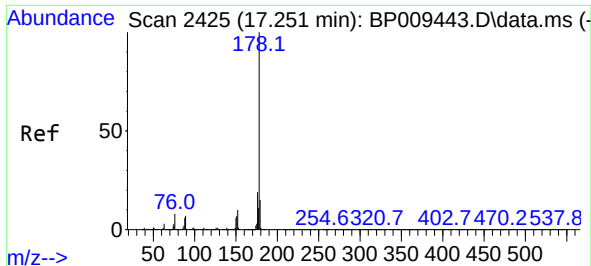
Reviewed By :Christian Giraldo 04/05/2022
Supervised By :Jagrut Upadhyay 04/05/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.140 min Scan# 2406
Delta R.T. -0.017 min
Lab File: BP009689.D
Acq: 04 Apr 2022 20:56

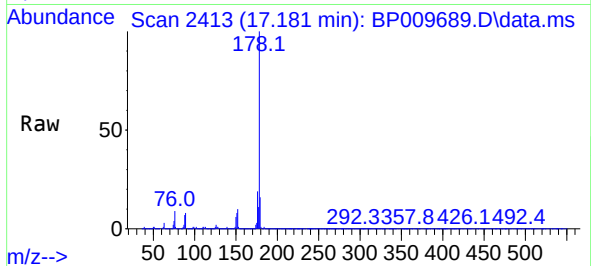
Tgt Ion:188 Resp: 1367321
Ion Ratio Lower Upper
188 100
94 8.9 7.9 11.9
80 9.6 8.8 13.2





#71
Phenanthrene
Concen: 58.064 ng
RT: 17.181 min Scan# 2425
Delta R.T. -0.017 min
Lab File: BP009689.D
Acq: 04 Apr 2022 20:56

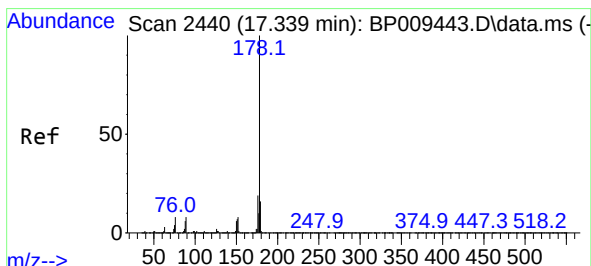
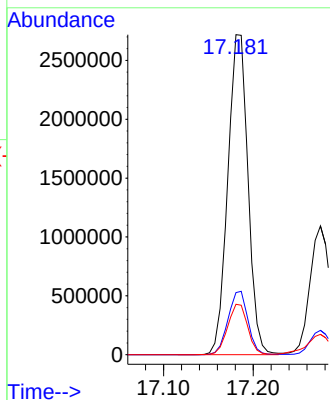
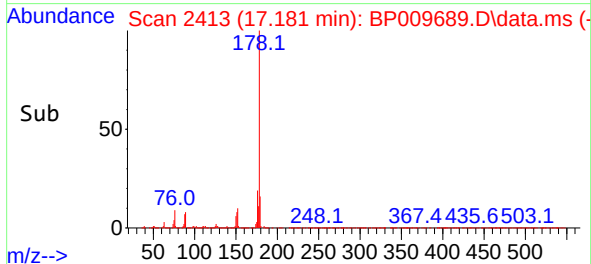
Instrument :
BNA_P
ClientSampleId :
TP-4



Tgt Ion:178 Resp: 424991
Ion Ratio Lower Upper
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176 19.4 15.4 23.2
179 15.8 12.3 18.5

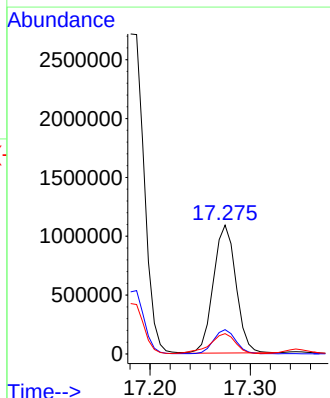
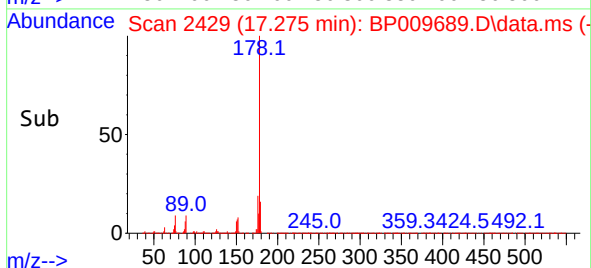
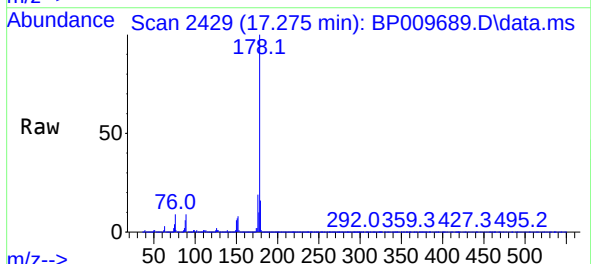
Manual Integrations
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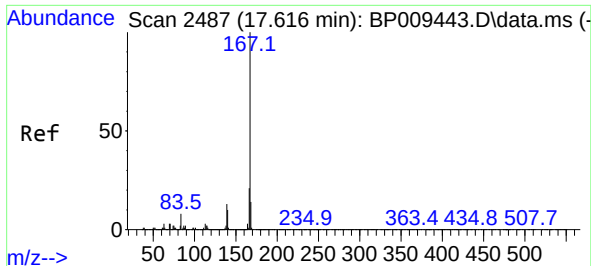
Reviewed By :Christian Giraldo 04/05/2022
Supervised By :Jagrut Upadhyay 04/05/2022



#72
Anthracene
Concen: 23.444 ng
RT: 17.275 min Scan# 2429
Delta R.T. -0.017 min
Lab File: BP009689.D
Acq: 04 Apr 2022 20:56

Tgt Ion:178 Resp: 1694176
Ion Ratio Lower Upper
178 100
176 18.9 14.8 22.2
179 15.7 12.2 18.4





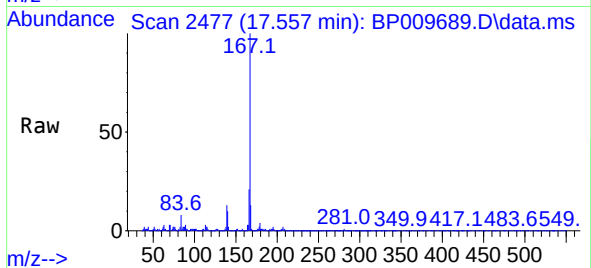
#73
 Carbazole
 Concen: 3.157 ng
 RT: 17.557 min Scan# 2487
 Delta R.T. -0.012 min
 Lab File: BP009689.D
 Acq: 04 Apr 2022 20:56

Instrument :

BNA_P

ClientSampleId :

TP-4

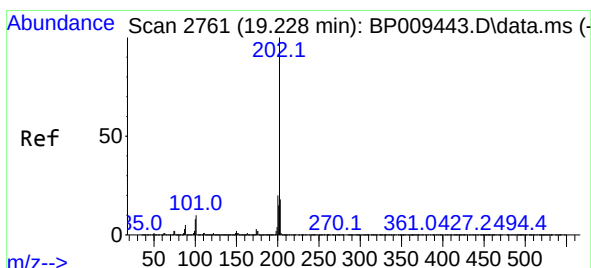
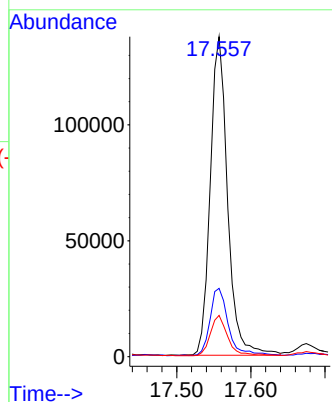
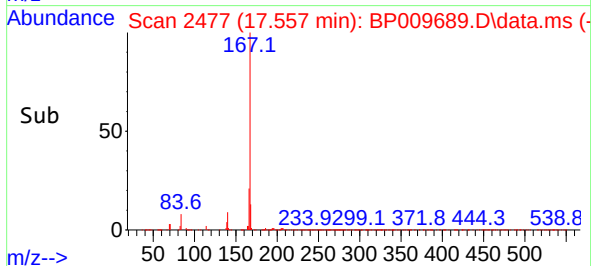


Tgt Ion:167 Resp: 223119
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.2 25.8
 139 12.9 10.3 15.5

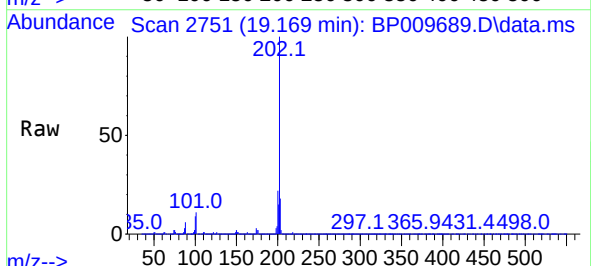
Manual Integrations

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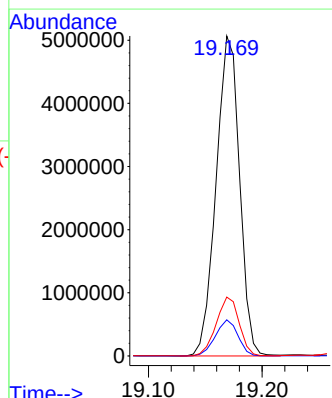
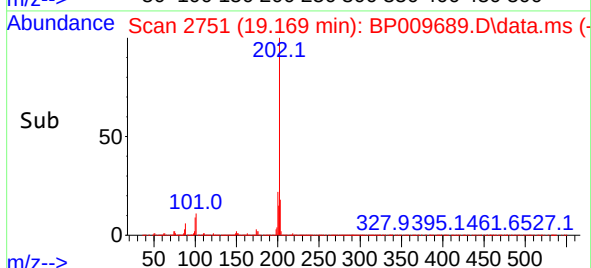
Reviewed By :Christian Giraldo 04/05/2022
 Supervised By :Jagrut Upadhyay 04/05/2022

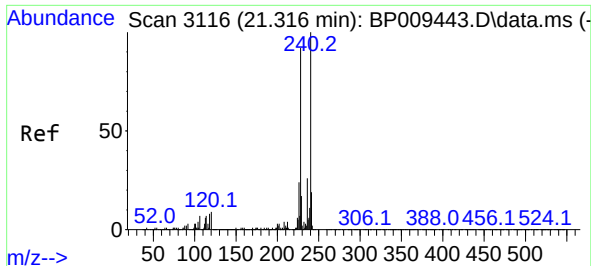


#75
 Fluoranthene
 Concen: 82.044 ng
 RT: 19.169 min Scan# 2751
 Delta R.T. -0.012 min
 Lab File: BP009689.D
 Acq: 04 Apr 2022 20:56



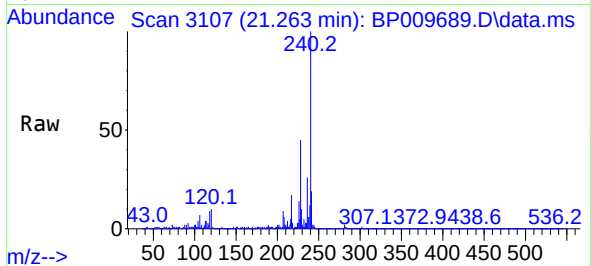
Tgt Ion:202 Resp: 7270005
 Ion Ratio Lower Upper
 202 100
 101 11.3 0.0 31.5
 203 18.4 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.263 min Scan# 3116
Delta R.T. -0.012 min
Lab File: BP009689.D
Acq: 04 Apr 2022 20:56

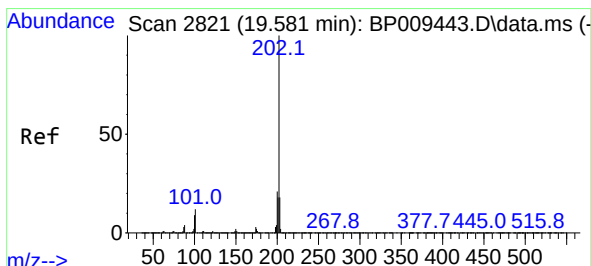
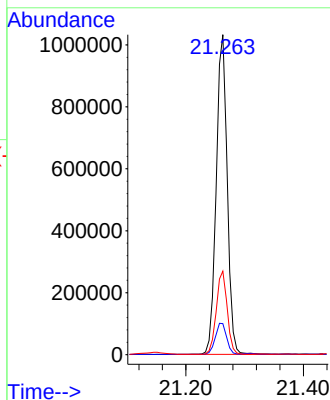
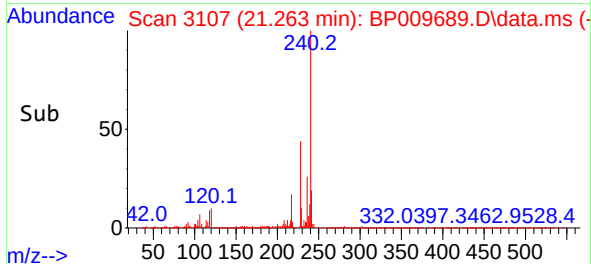
Instrument :
BNA_P
ClientSampleId :
TP-4



Tgt Ion:240 Resp: 1340458
Ion Ratio Lower Upper
240 100
120 9.7 9.0 13.4
236 26.1 20.6 30.8

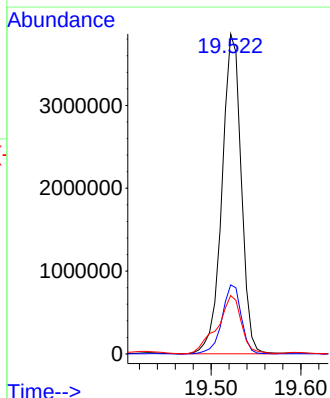
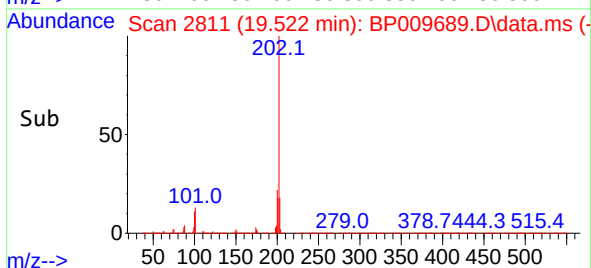
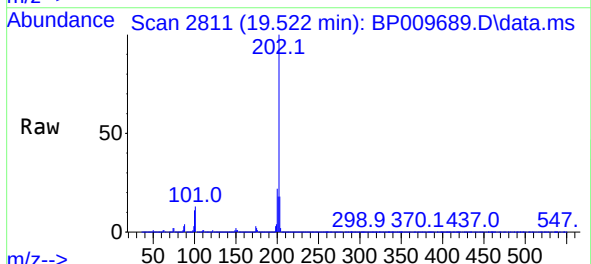
Manual Integrations
APPROVED

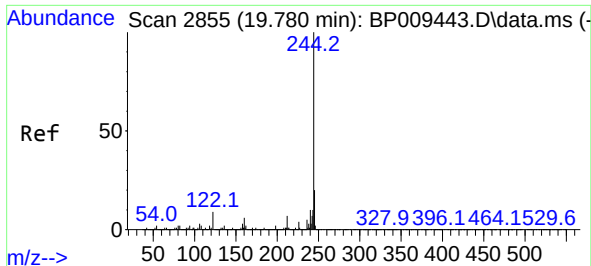
Reviewed By :Christian Giraldo 04/05/2022
Supervised By :Jagrut Upadhyay 04/05/2022



#78
Pyrene
Concen: 64.907 ng
RT: 19.522 min Scan# 2811
Delta R.T. -0.017 min
Lab File: BP009689.D
Acq: 04 Apr 2022 20:56

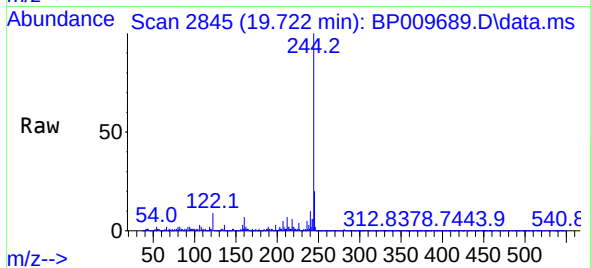
Tgt Ion:202 Resp: 5733279
Ion Ratio Lower Upper
202 100
200 21.6 16.8 25.2
203 18.2 14.2 21.4





#79
 Terphenyl-d14
 Concen: 7.074 ng
 RT: 19.722 min Scan# 21
 Delta R.T. -0.017 min
 Lab File: BP009689.D
 Acq: 04 Apr 2022 20:56

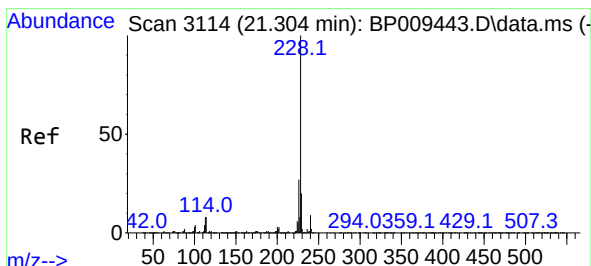
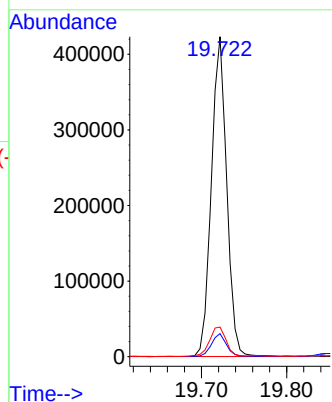
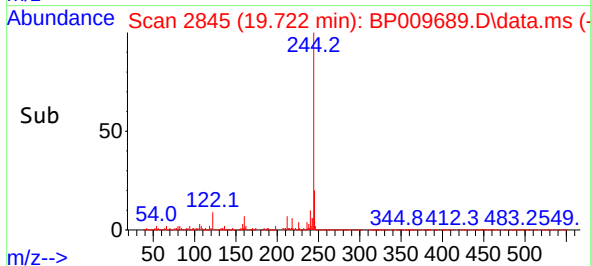
Instrument :
 BNA_P
 ClientSampleId :
 TP-4



Tgt Ion:244 Resp: 52832
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.6
 122 9.2 8.3 12.5

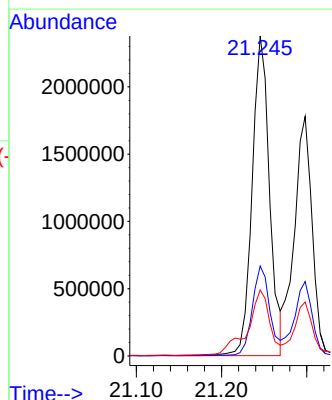
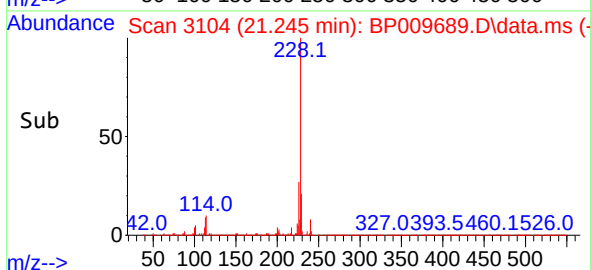
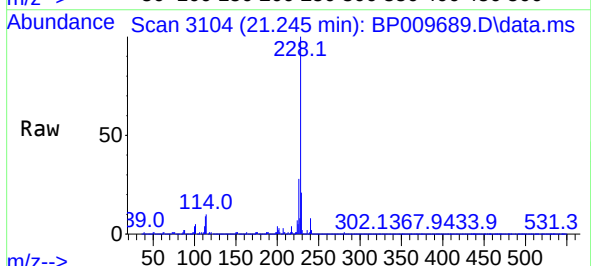
Manual Integrations
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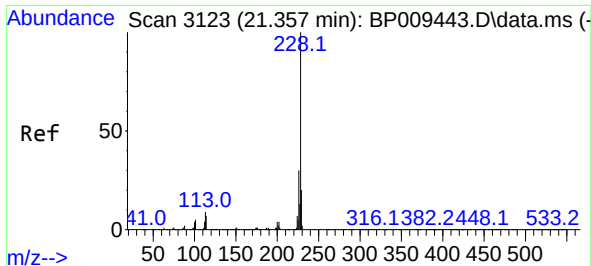
Reviewed By :Christian Giraldo 04/05/2022
 Supervised By :Jagrut Upadhyay 04/05/2022



#81
 Benzo(a)anthracene
 Concen: 38.255 ng
 RT: 21.245 min Scan# 3104
 Delta R.T. -0.017 min
 Lab File: BP009689.D
 Acq: 04 Apr 2022 20:56

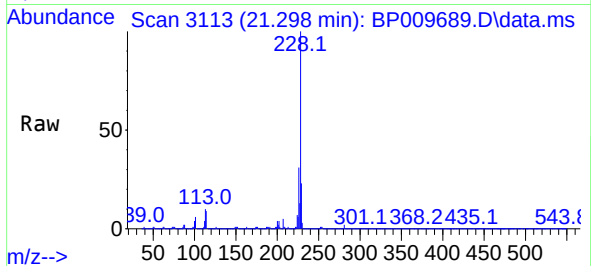
Tgt Ion:228 Resp: 3368971
 Ion Ratio Lower Upper
 228 100
 226 28.1 22.0 33.0
 229 20.7 16.1 24.1





#83
Chrysene
Concen: 31.030 ng
RT: 21.298 min Scan# 3113
Delta R.T. -0.012 min
Lab File: BP009689.D
Acq: 04 Apr 2022 20:56

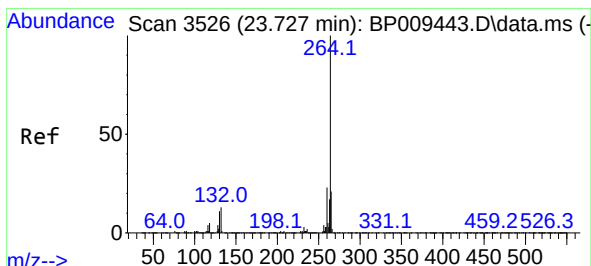
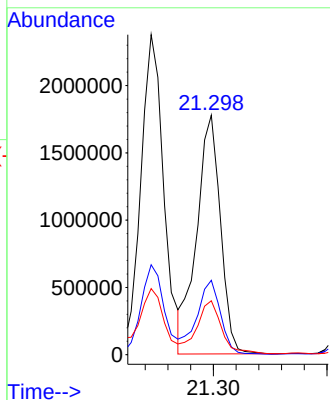
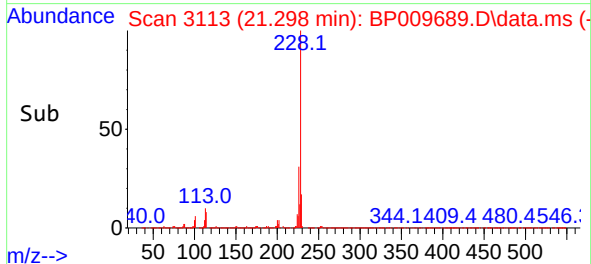
Instrument :
BNA_P
ClientSampleId :
TP-4



Tgt Ion:228 Resp: 2587660
Ion Ratio Lower Upper
228 100
226 31.1 24.2 36.2
229 22.5 16.1 24.1

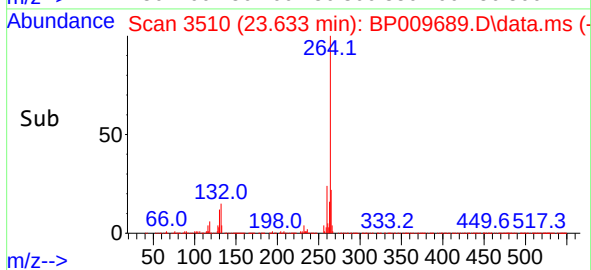
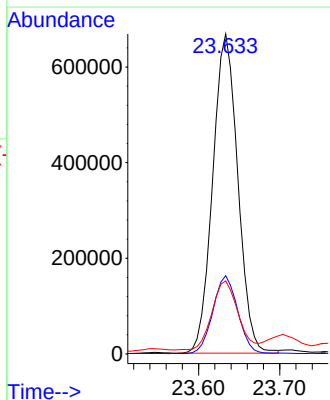
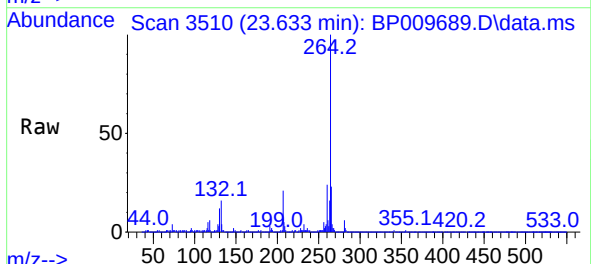
Manual Integrations
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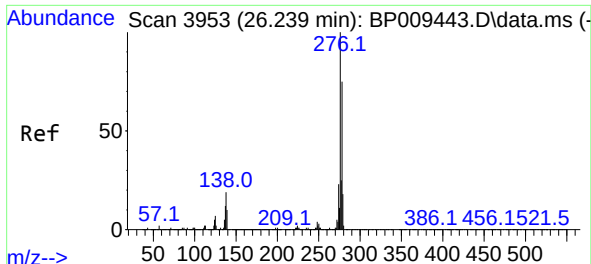
Reviewed By :Christian Giraldo 04/05/2022
Supervised By :Jagrut Upadhyay 04/05/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.633 min Scan# 3510
Delta R.T. -0.017 min
Lab File: BP009689.D
Acq: 04 Apr 2022 20:56

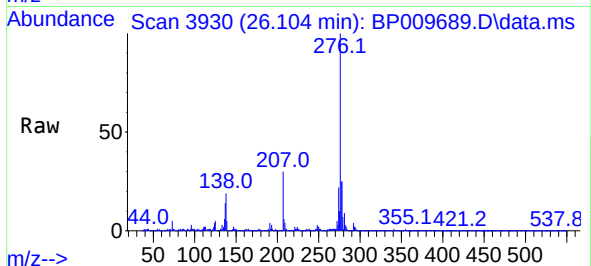
Tgt Ion:264 Resp: 1432535
Ion Ratio Lower Upper
264 100
260 24.4 19.4 29.0
265 22.9 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 14.569 ng
RT: 26.104 min Scan# 3388
Delta R.T. -0.035 min
Lab File: BP009689.D
Acq: 04 Apr 2022 20:56

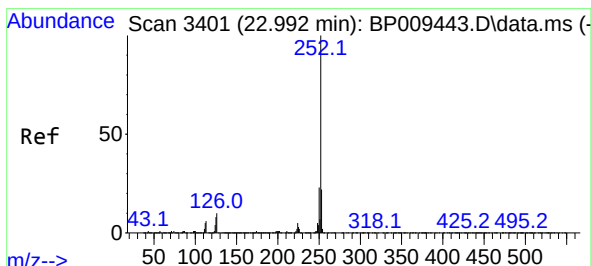
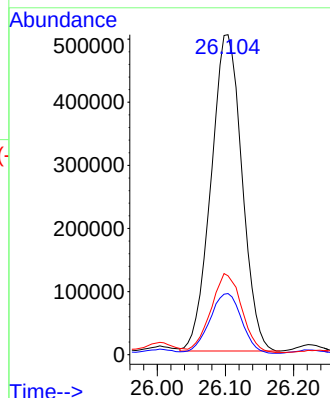
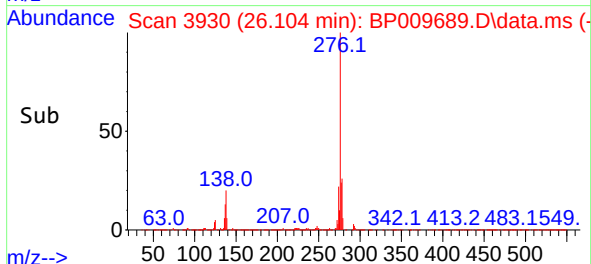
Instrument :
BNA_P
ClientSampleId :
TP-4



Tgt Ion:276 Resp: 1583428
Ion Ratio Lower Upper
276 100
138 19.5 20.5 30.7
277 24.9 20.4 30.6

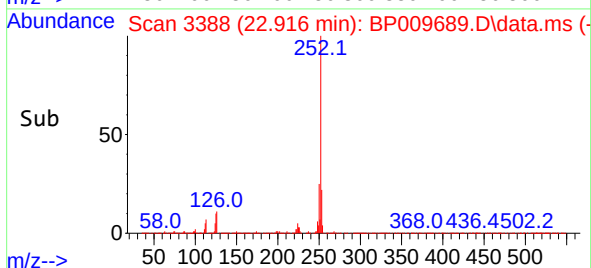
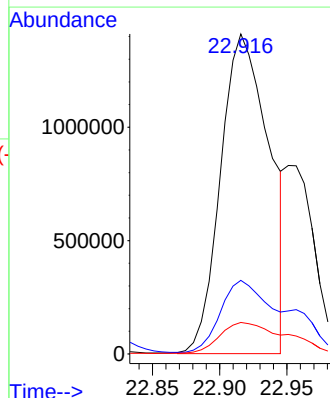
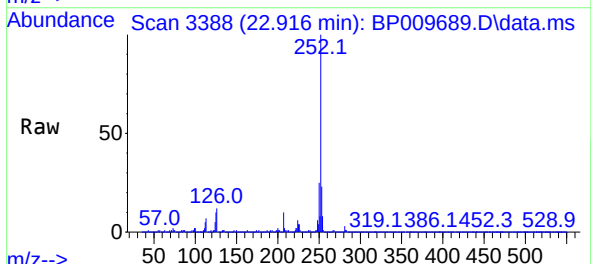
Manual Integrations
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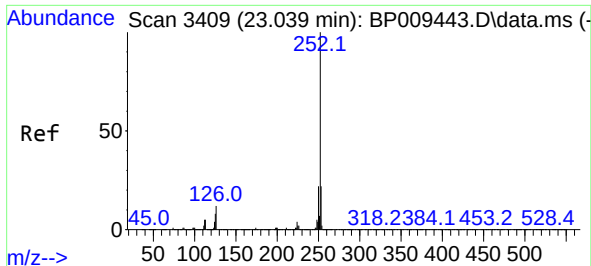
Reviewed By :Christian Giraldo 04/05/2022
Supervised By :Jagrut Upadhyay 04/05/2022



#88
Benzo(b)fluoranthene
Concen: 41.466 ng m
RT: 22.916 min Scan# 3388
Delta R.T. -0.012 min
Lab File: BP009689.D
Acq: 04 Apr 2022 20:56

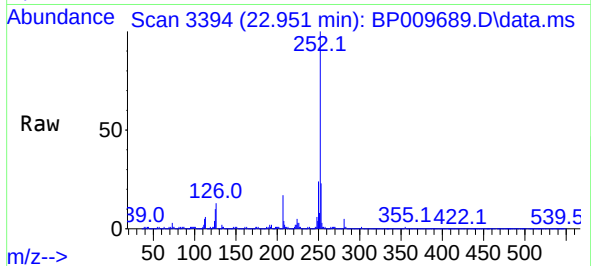
Tgt Ion:252 Resp: 3546139
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 9.8 8.1 12.1





#89
Benzo(k)fluoranthene
Concen: 14.769 ng m
RT: 22.951 min Scan# 31
Delta R.T. -0.029 min
Lab File: BP009689.D
Acq: 04 Apr 2022 20:56

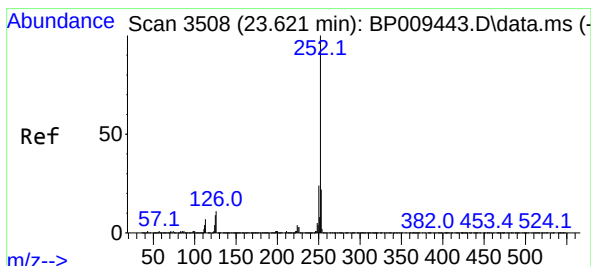
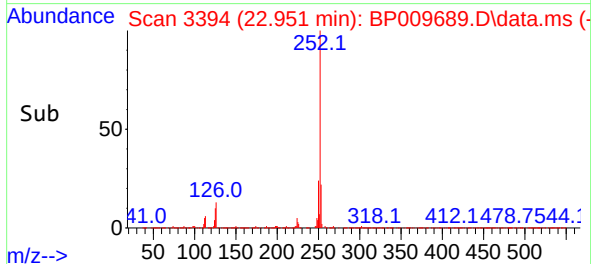
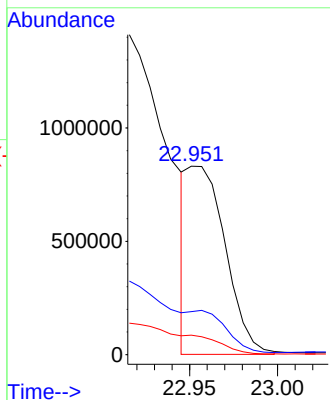
Instrument :
BNA_P
ClientSampleId :
TP-4



Tgt Ion:252 Resp: 1236589
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 10.3 8.3 12.5

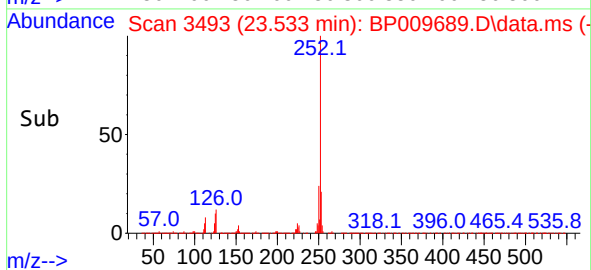
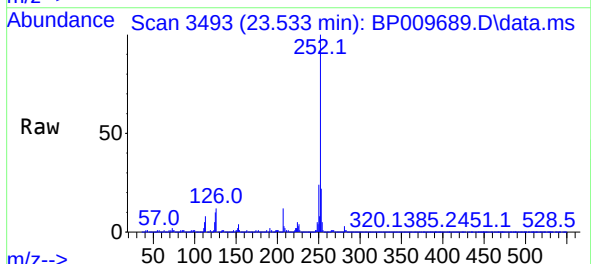
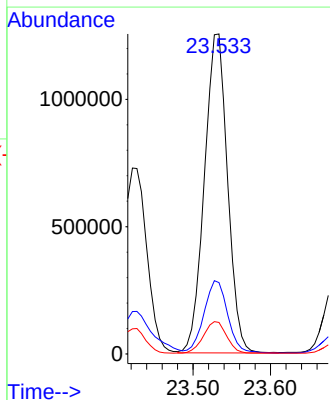
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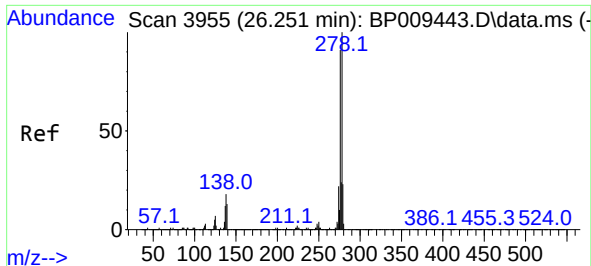
Reviewed By :Christian Giraldo 04/05/2022
Supervised By :Jagrut Upadhyay 04/05/2022



#90
Benzo(a)pyrene
Concen: 35.694 ng
RT: 23.533 min Scan# 3493
Delta R.T. -0.017 min
Lab File: BP009689.D
Acq: 04 Apr 2022 20:56

Tgt Ion:252 Resp: 2611620
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.6
125 9.9 9.3 13.9





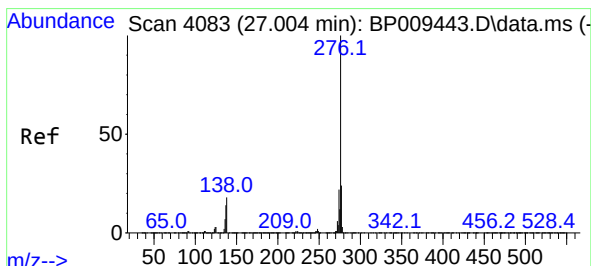
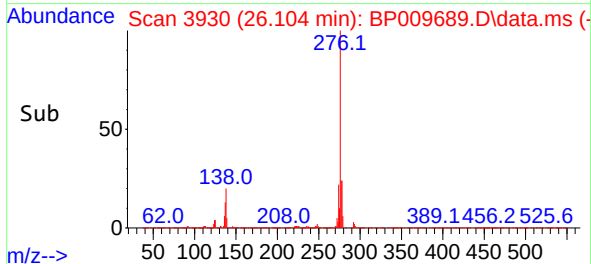
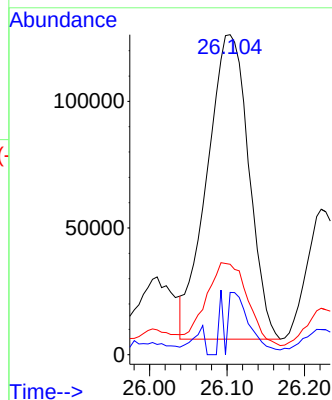
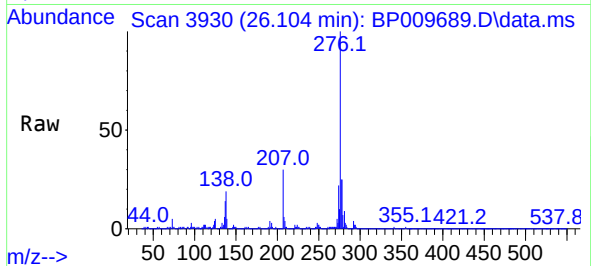
#91
Dibenzo(a,h)anthracene
Concen: 4.973 ng
RT: 26.104 min Scan# 3955
Delta R.T. -0.047 min
Lab File: BP009689.D
Acq: 04 Apr 2022 20:56

Instrument :
BNA_P
ClientSampleId :
TP-4

Tgt Ion:278 Resp: 450484
Ion Ratio Lower Upper
278 100
139 19.4 13.2 19.8
279 28.3 19.2 28.8

Manual Integrations
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Reviewed By :Christian Giraldo 04/05/2022
Supervised By :Jagrut Upadhyay 04/05/2022



#92
Benzo(g,h,i)perylene
Concen: 15.977 ng
RT: 26.863 min Scan# 4059
Delta R.T. -0.035 min
Lab File: BP009689.D
Acq: 04 Apr 2022 20:56

Tgt Ion:276 Resp: 1423714
Ion Ratio Lower Upper
276 100
277 24.8 19.2 28.8
138 20.2 18.0 27.0

