

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011322\
 Data File : BP008802.D
 Acq On : 13 Jan 2022 21:50
 Operator : CG/JU
 Sample : N1097-13DL 4X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-3SDL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 01/14/2022
 Supervised By : Jagrut Upadhyay 01/14/2022

Quant Time: Jan 13 23:28:41 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 12 00:18:56 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	465973	20.000	ng	0.00
21) Naphthalene-d8	10.663	136	1739969	20.000	ng	0.00
39) Acenaphthene-d10	14.504	164	1045152	20.000	ng	0.00
64) Phenanthrene-d10	17.257	188	1801483	20.000	ng	0.00
76) Chrysene-d12	21.351	240	1747896	20.000	ng	0.00
86) Perylene-d12	23.774	264	1994559	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	589836	19.822	ng	0.00
7) Phenol-d6	7.040	99	703483	17.611	ng	0.00
23) Nitrobenzene-d5	9.022	82	437298	14.233	ng	0.00
42) 2,4,6-Tribromophenol	15.998	330	239279	13.570	ng	0.00
45) 2-Fluorobiphenyl	13.122	172	1088004	14.635	ng	-0.01
79) Terphenyl-d14	19.816	244	1082537	12.621	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.222	152	219961	2.214	ng	99
52) Acenaphthene	14.563	154	166346	2.796	ng	100
58) Fluorene	15.551	166	195011	2.469	ng	98
71) Phenanthrene	17.298	178	3587770	35.845	ng	99
72) Anthracene	17.392	178	765725	7.491	ng	99
73) Carbazole	17.663	167	271482	2.898	ng	98
75) Fluoranthene	19.269	202	4787794	39.946	ng	98
78) Pyrene	19.622	202	5148623	45.049	ng	99
81) Benzo(a)anthracene	21.333	228	3036907	26.484	ng	100
83) Chrysene	21.386	228	2818315	25.478	ng	98
87) Indeno(1,2,3-cd)pyrene	26.309	276	1660303	10.417	ng	96
88) Benzo(b)fluoranthene	23.039	252	3246249m	24.909	ng	
89) Benzo(k)fluoranthene	23.080	252	1143375m	9.374	ng	
90) Benzo(a)pyrene	23.668	252	2597254	20.619	ng	98
91) Dibenzo(a,h)anthracene	26.309	278	485458	3.605	ng	# 81
92) Benzo(g,h,i)perylene	27.092	276	1668274	12.480	ng	98

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

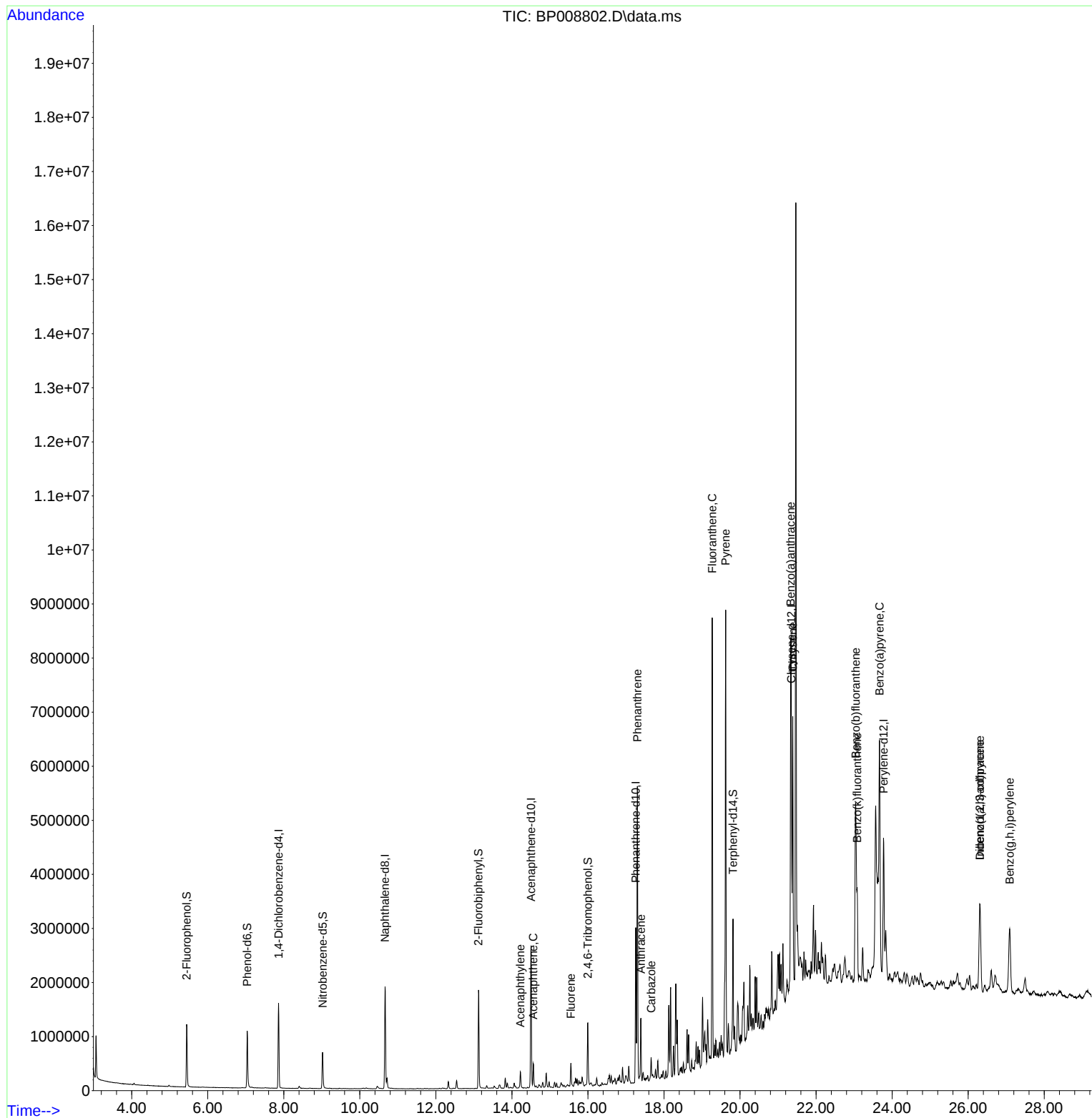
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ALS Vial : 18 Sample Multiplier: 1

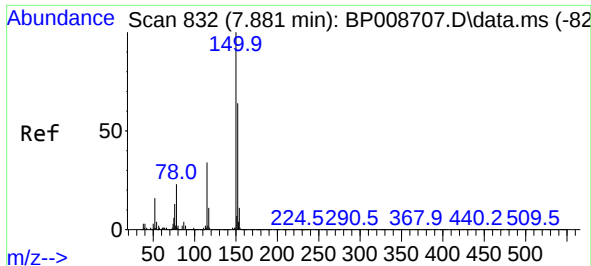
Instrument :
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Quant Time: Jan 13 23:28:41 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.M
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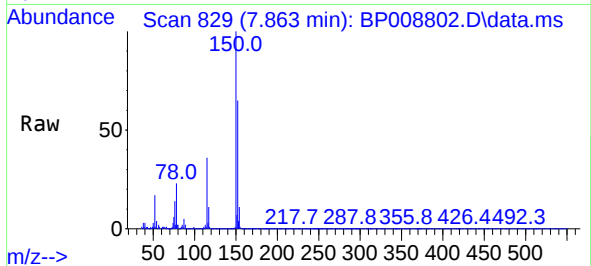
Reviewed By : Christian Giraldo 01/14/2022
Supervised By : Jagrut Upadhyay 01/14/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.863 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP008802.D
Acq: 13 Jan 2022 21:50

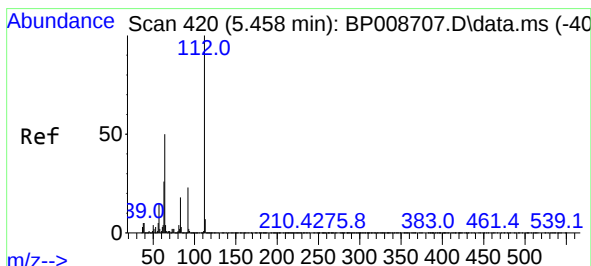
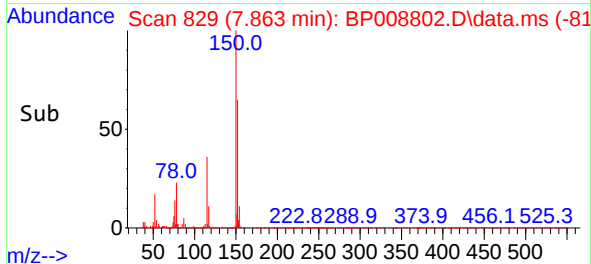
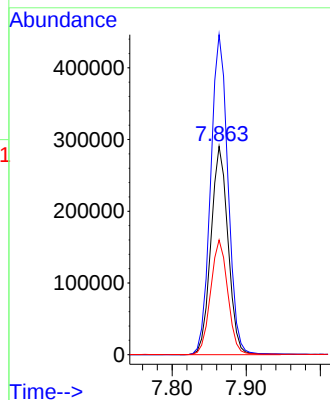
Instrument :
BNA_P
ClientSampleId :
TP-3SDL



Tgt Ion:152 Resp: 46597
Ion Ratio Lower Upper
152 100
150 153.6 127.0 190.6
115 55.1 43.7 65.5

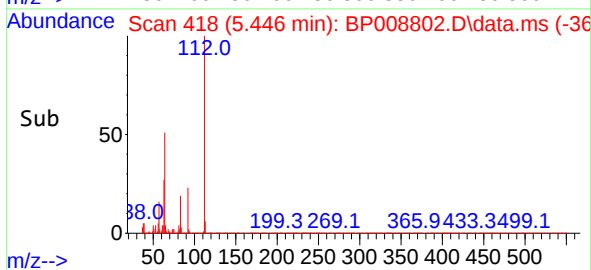
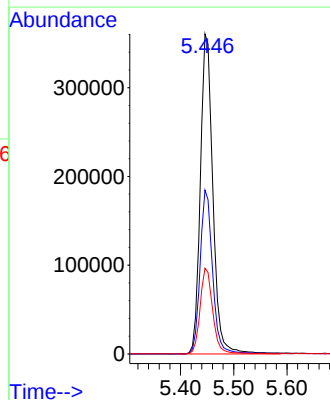
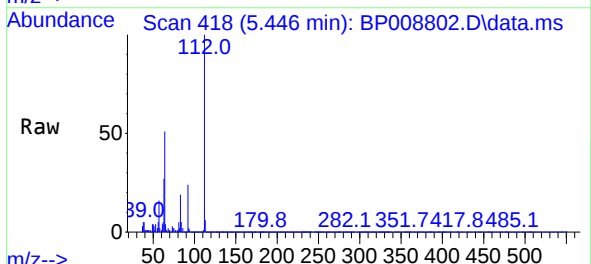
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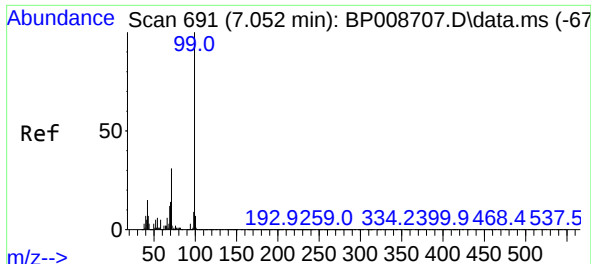
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Supervised By :Jagrut Upadhyay 01/14/2022



#5
2-Fluorophenol
Concen: 19.822 ng
RT: 5.446 min Scan# 418
Delta R.T. -0.000 min
Lab File: BP008802.D
Acq: 13 Jan 2022 21:50

Tgt Ion:112 Resp: 589836
Ion Ratio Lower Upper
112 100
64 51.2 39.7 59.5
63 26.8 20.0 30.0





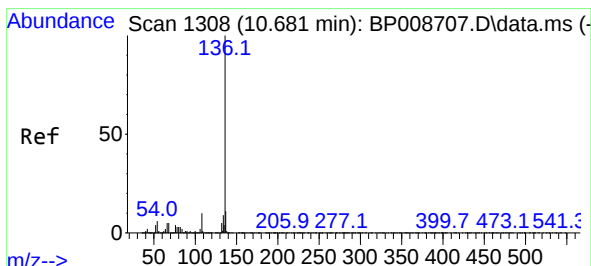
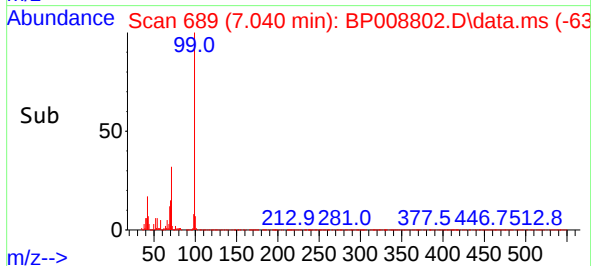
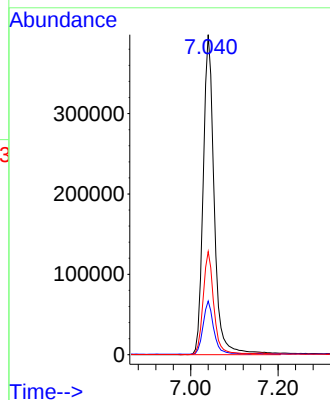
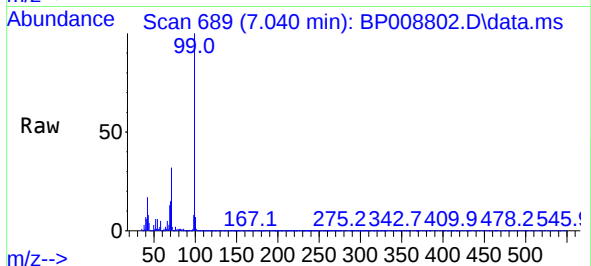
#7
Phenol-d6
Concen: 17.611 ng
RT: 7.040 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP008802.D
Acq: 13 Jan 2022 21:50

Instrument :
BNA_P
Client SampleId :
TP-3SDL

Tgt Ion: 99 Resp: 70348
Ion Ratio Lower Upper
99 100
42 16.8 10.8 16.2
71 32.2 23.8 35.6

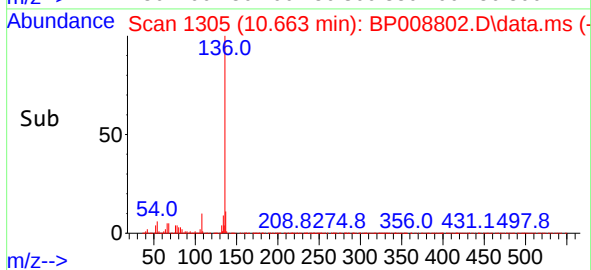
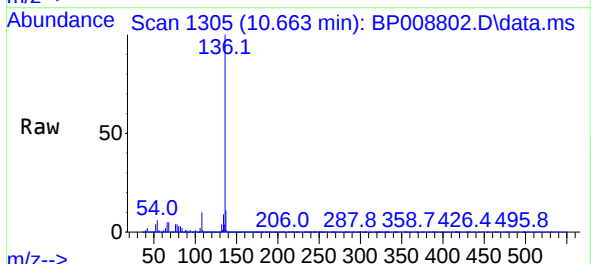
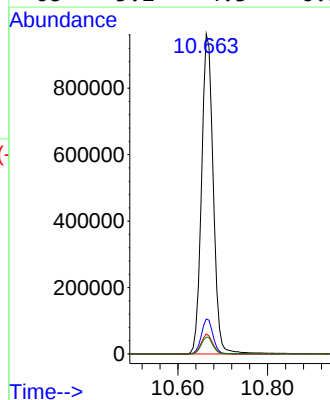
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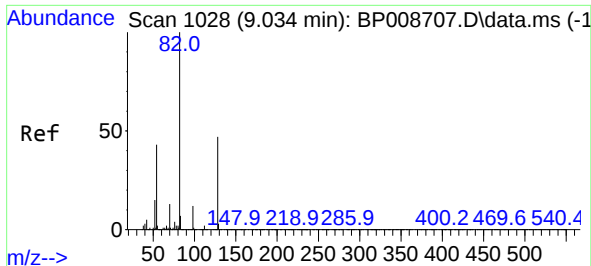
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Supervised By :Jagrut Upadhyay 01/14/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BP008802.D
Acq: 13 Jan 2022 21:50

Tgt Ion:136 Resp: 1739969
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 6.3 4.9 7.3
68 5.2 4.3 6.5





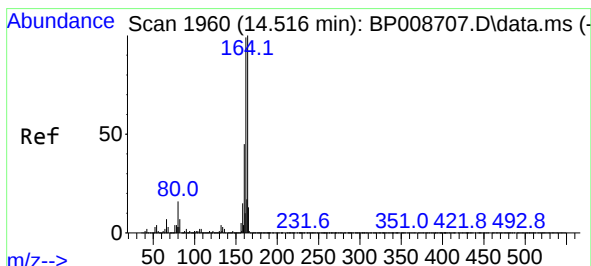
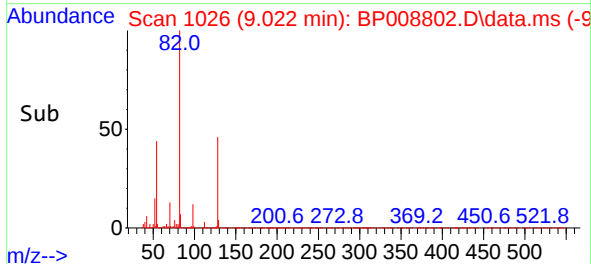
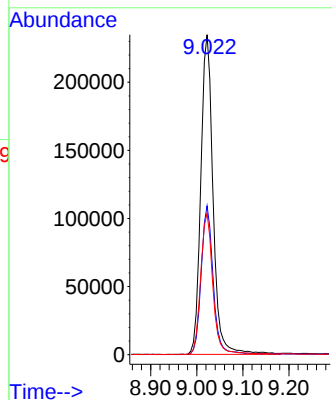
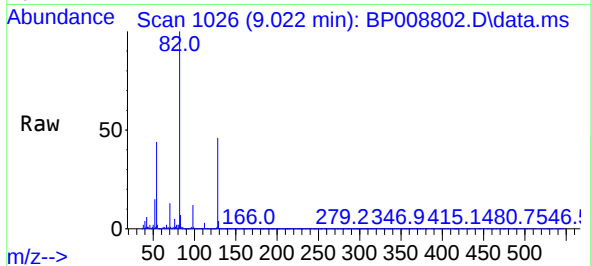
#23
Nitrobenzene-d5
Concen: 14.233 ng
RT: 9.022 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BP008802.D
Acq: 13 Jan 2022 21:50

Instrument :
BNA_P
ClientSampleId :
TP-3SDL

Tgt Ion: 82 Resp: 437298
Ion Ratio Lower Upper
82 100
128 46.5 39.4 59.2
54 44.1 32.6 48.8

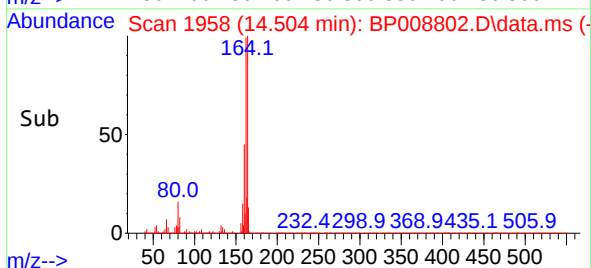
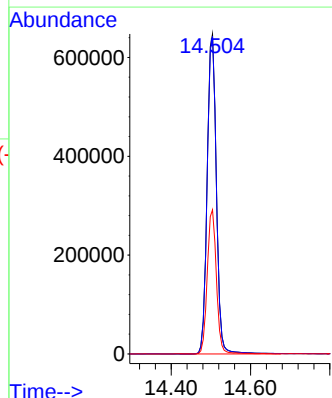
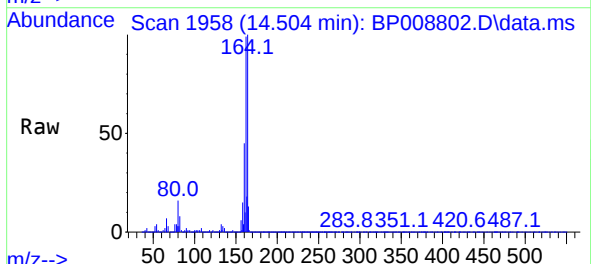
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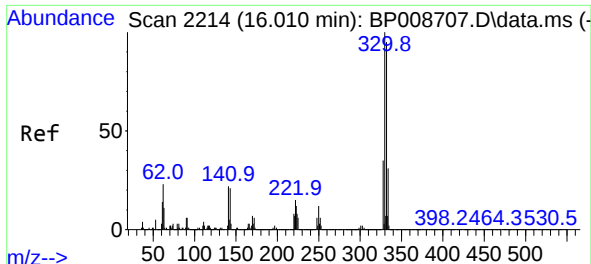
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Supervised By :Jagrut Upadhyay 01/14/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.504 min Scan# 1958
Delta R.T. -0.000 min
Lab File: BP008802.D
Acq: 13 Jan 2022 21:50

Tgt Ion:164 Resp: 1045152
Ion Ratio Lower Upper
164 100
162 99.2 79.9 119.9
160 45.0 35.5 53.3





#42
2,4,6-Tribromophenol
Concen: 13.570 ng
RT: 15.998 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP008802.D
Acq: 13 Jan 2022 21:50

Instrument :

BNA_P

ClientSampleId :

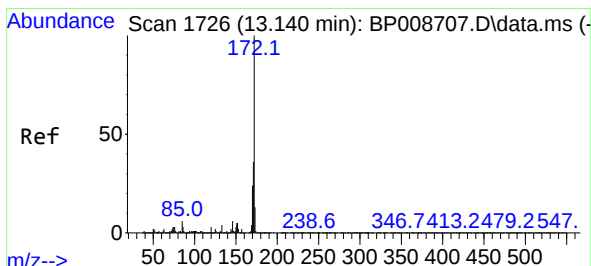
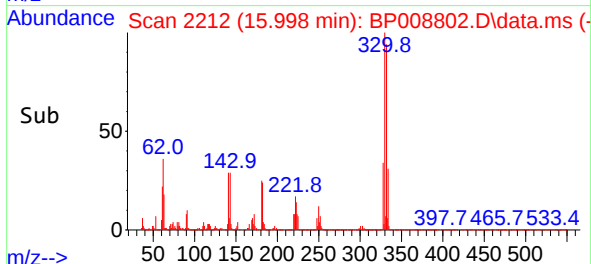
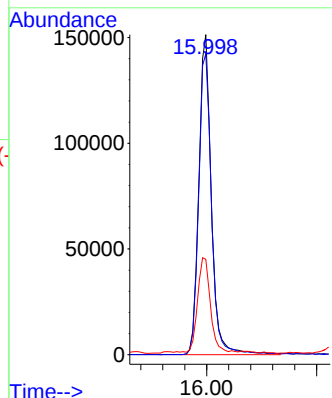
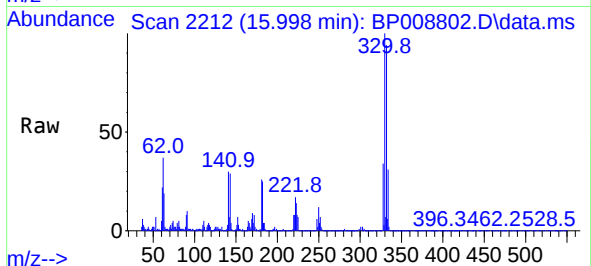
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Tgt Ion:330 Resp: 239279
Ion Ratio Lower Upper
330 100
332 96.8 77.0 115.4
141 29.8 21.3 31.9

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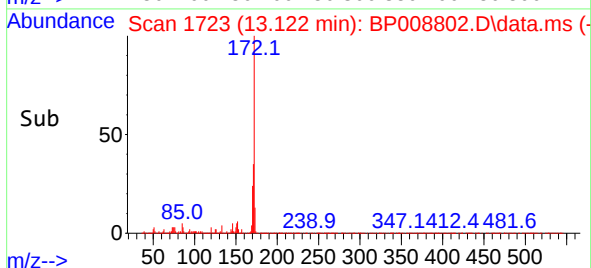
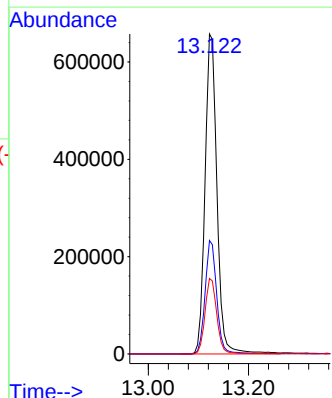
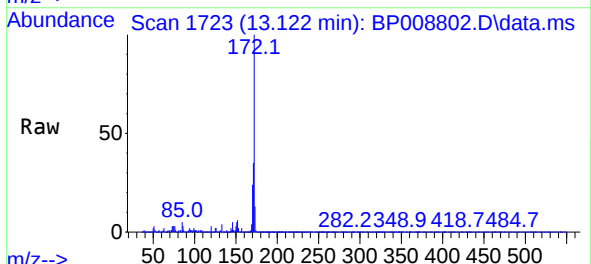
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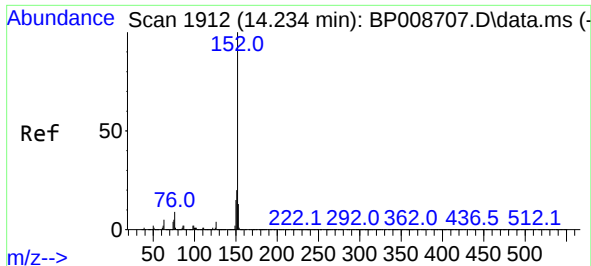
Reviewed By :Christian Giraldo 01/14/2022
Supervised By :Jagrut Upadhyay 01/14/2022



#45
2-Fluorobiphenyl
Concen: 14.635 ng
RT: 13.122 min Scan# 1723
Delta R.T. -0.012 min
Lab File: BP008802.D
Acq: 13 Jan 2022 21:50

Tgt Ion:172 Resp: 1088004
Ion Ratio Lower Upper
172 100
171 35.4 29.3 43.9
170 23.6 19.5 29.3





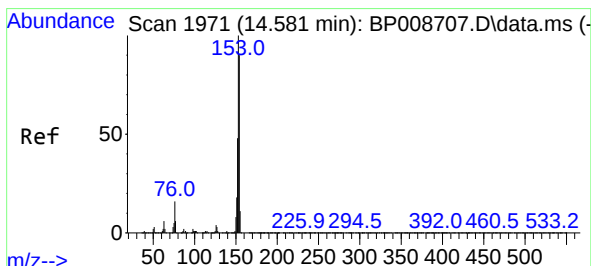
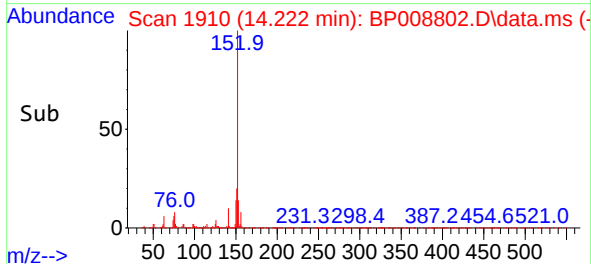
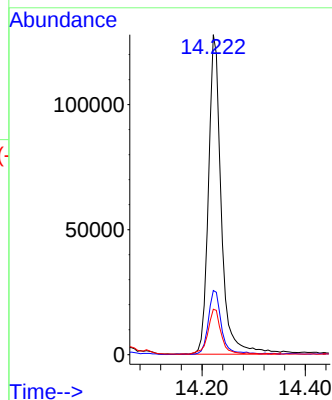
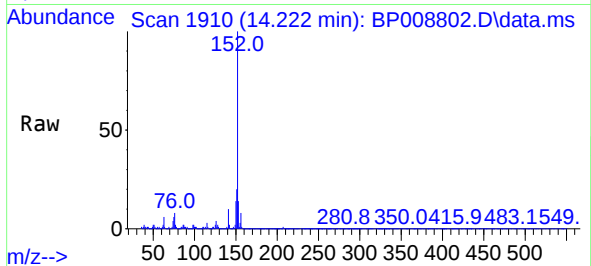
#49
Acenaphthylene
Concen: 2.214 ng
RT: 14.222 min Scan# 1910
Delta R.T. -0.006 min
Lab File: BP008802.D
Acq: 13 Jan 2022 21:50

Instrument :
BNA_P
ClientSampleId :
TP-3SDL

Tgt Ion:152 Resp: 21996
Ion Ratio Lower Upper
152 100
151 20.0 16.1 24.1
153 14.2 10.6 16.0

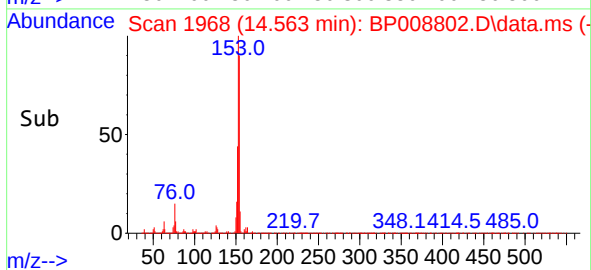
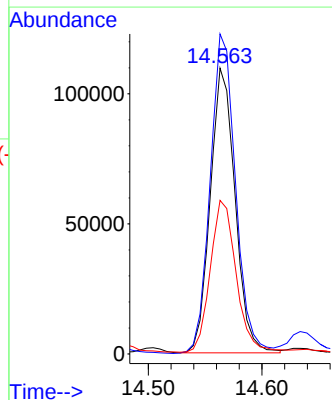
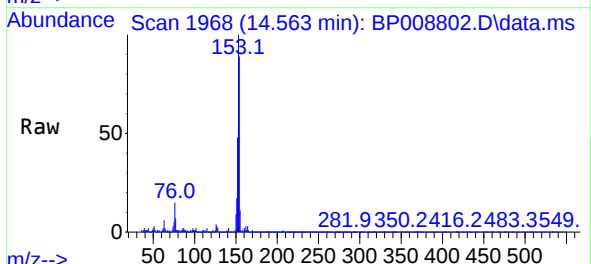
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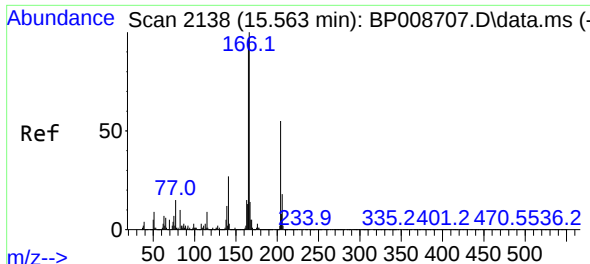
Reviewed By :Christian Giraldo 01/14/2022
Supervised By :Jagrut Upadhyay 01/14/2022



#52
Acenaphthene
Concen: 2.796 ng
RT: 14.563 min Scan# 1968
Delta R.T. -0.006 min
Lab File: BP008802.D
Acq: 13 Jan 2022 21:50

Tgt Ion:154 Resp: 166346
Ion Ratio Lower Upper
154 100
153 112.0 89.4 134.2
152 53.8 42.6 63.8





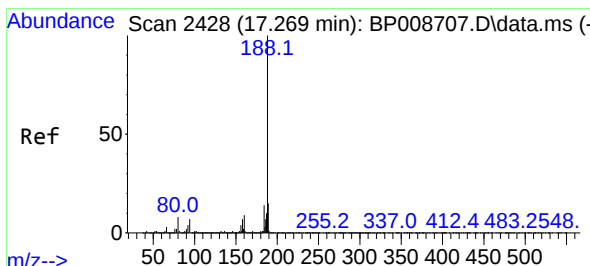
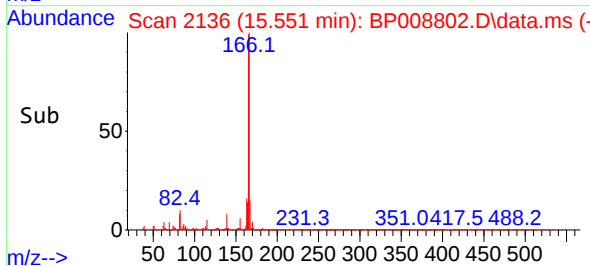
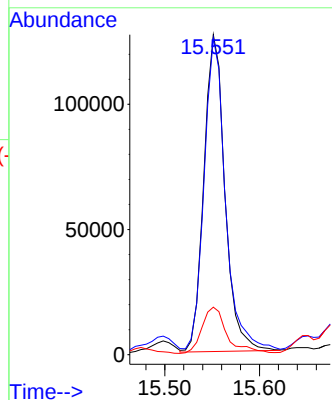
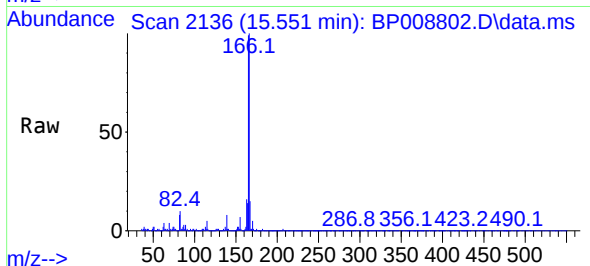
#58
Fluorene
Concen: 2.469 ng
RT: 15.551 min Scan# 2138
Delta R.T. -0.006 min
Lab File: BP008802.D
Acq: 13 Jan 2022 21:50

Instrument :
BNA_P
ClientSampleId :
TP-3SDL

Tgt Ion:166 Resp: 19501
Ion Ratio Lower Upper
166 100
165 99.0 77.2 115.8
167 14.9 11.2 16.8

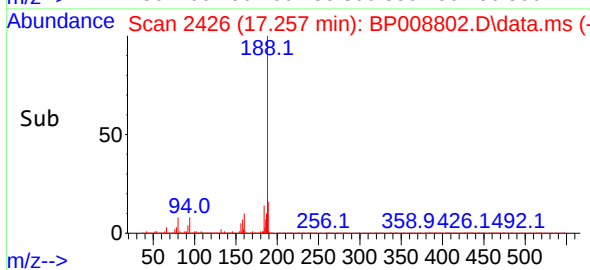
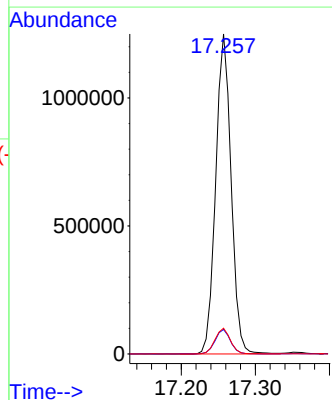
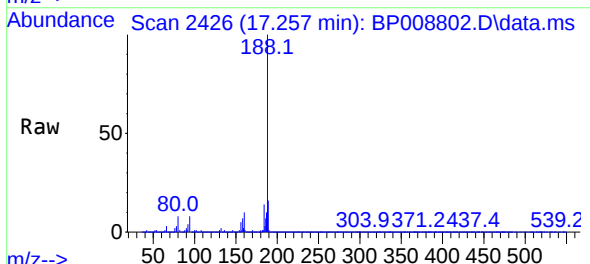
Manual Integrations
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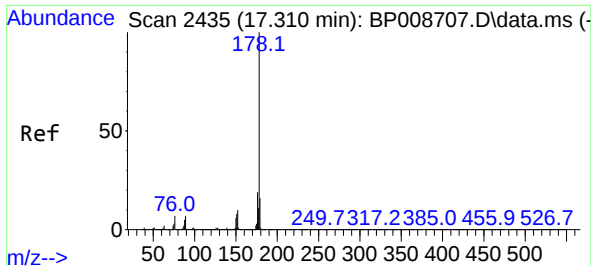
Reviewed By :Christian Giraldo 01/14/2022
Supervised By :Jagrut Upadhyay 01/14/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.257 min Scan# 2426
Delta R.T. -0.000 min
Lab File: BP008802.D
Acq: 13 Jan 2022 21:50

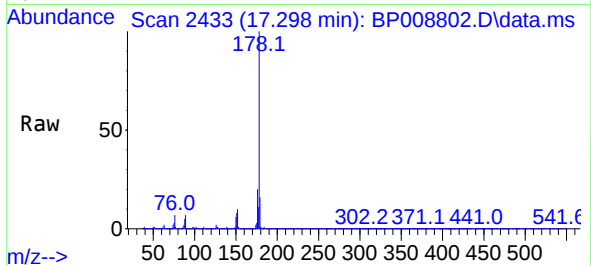
Tgt Ion:188 Resp: 1801483
Ion Ratio Lower Upper
188 100
94 7.7 6.8 10.2
80 8.1 7.2 10.8





#71
Phenanthrene
Concen: 35.845 ng
RT: 17.298 min Scan# 2449
Delta R.T. -0.000 min
Lab File: BP008802.D
Acq: 13 Jan 2022 21:50

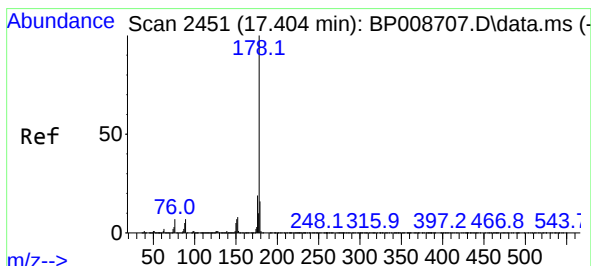
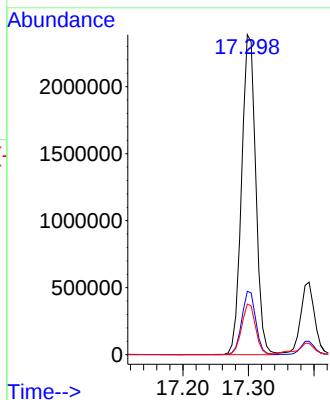
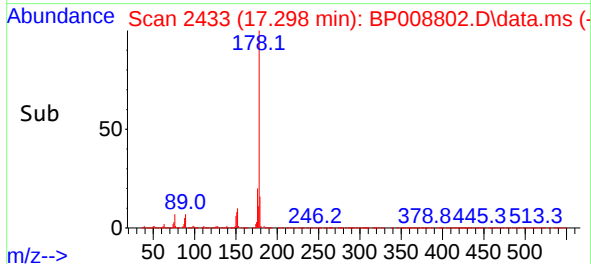
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BNA_P
ClientSampleId :
TP-3SDL



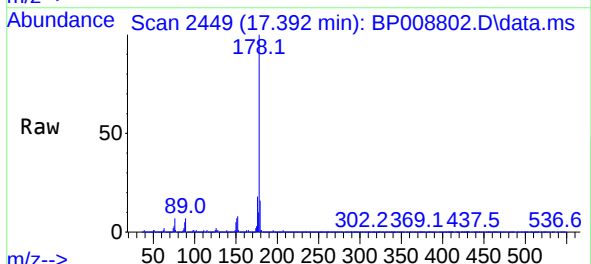
Tgt Ion:178 Resp: 3587770
Ion Ratio Lower Upper
178 100
176 19.8 16.0 24.0
179 15.8 13.0 19.4

Manual Integrations
APPROVED

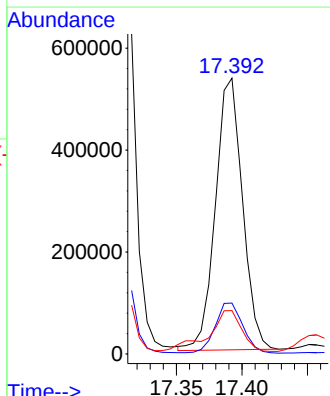
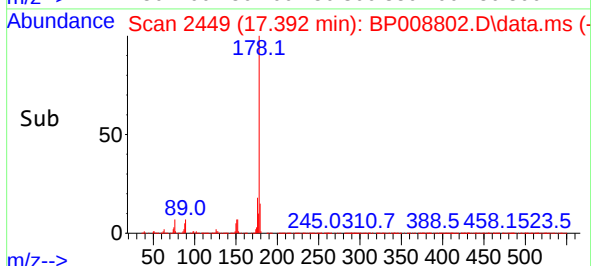
Reviewed By :Christian Giraldo 01/14/2022
Supervised By :Jagrut Upadhyay 01/14/2022

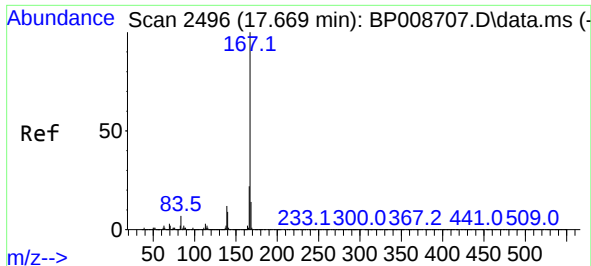


#72
Anthracene
Concen: 7.491 ng
RT: 17.392 min Scan# 2449
Delta R.T. -0.000 min
Lab File: BP008802.D
Acq: 13 Jan 2022 21:50



Tgt Ion:178 Resp: 765725
Ion Ratio Lower Upper
178 100
176 18.5 15.1 22.7
179 15.7 12.8 19.2





#73
 Carbazole
 Concen: 2.898 ng
 RT: 17.663 min Scan# 2496
 Delta R.T. -0.000 min
 Lab File: BP008802.D
 Acq: 13 Jan 2022 21:50

Instrument :

BNA_P

ClientSampleId :

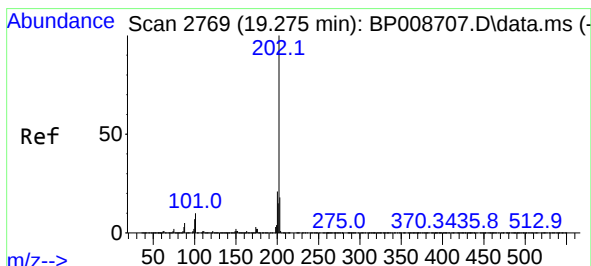
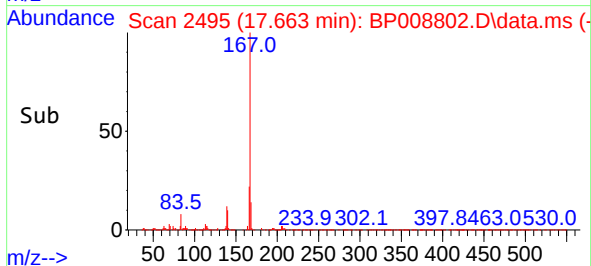
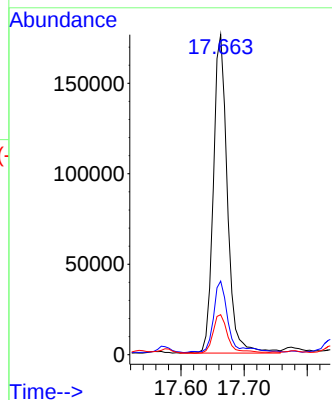
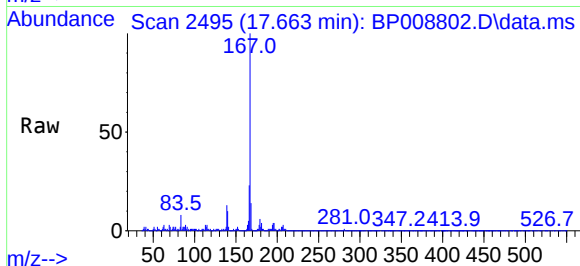
TP-3SDL

Tgt Ion:167 Resp: 27148
 Ion Ratio Lower Upper
 167 100
 166 23.0 17.7 26.5
 139 12.5 9.8 14.6

Manual Integrations

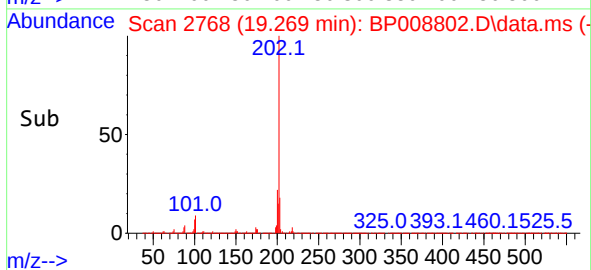
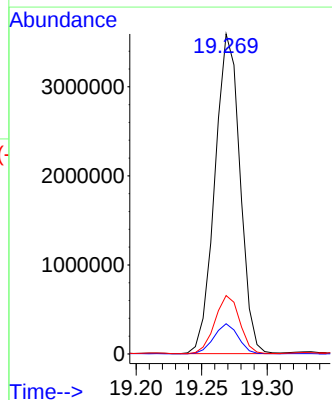
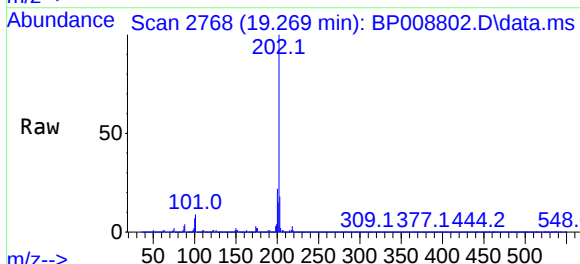
APPROVED

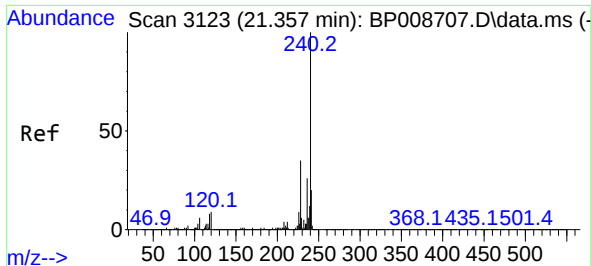
Reviewed By :Christian Giraldo 01/14/2022
 Supervised By :Jagrut Upadhyay 01/14/2022



#75
 Fluoranthene
 Concen: 39.946 ng
 RT: 19.269 min Scan# 2768
 Delta R.T. -0.000 min
 Lab File: BP008802.D
 Acq: 13 Jan 2022 21:50

Tgt Ion:202 Resp: 4787794
 Ion Ratio Lower Upper
 202 100
 101 9.4 0.0 30.7
 203 18.3 0.0 38.9





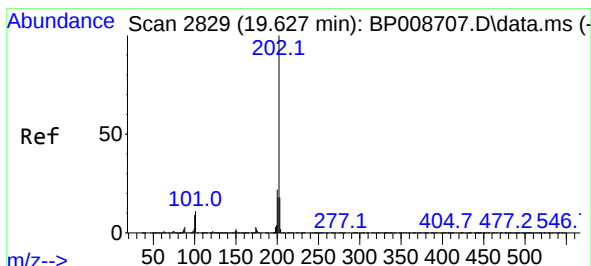
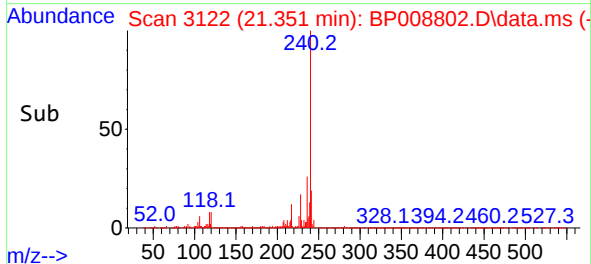
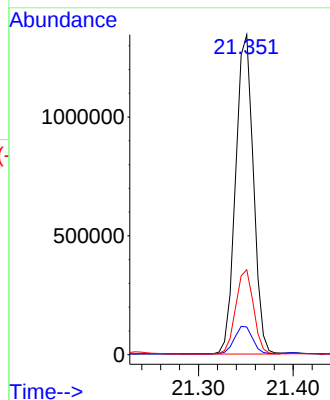
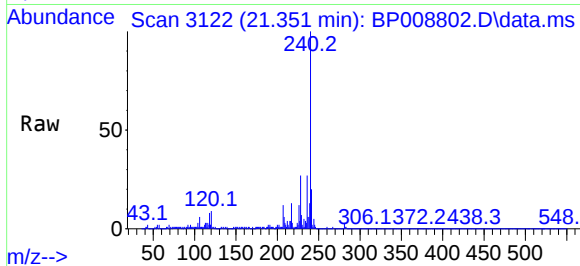
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.351 min Scan# 3123
Delta R.T. 0.006 min
Lab File: BP008802.D
Acq: 13 Jan 2022 21:50

Instrument :
BNA_P
ClientSampleId :
TP-3SDL

Tgt Ion:240 Resp: 1747890
Ion Ratio Lower Upper
240 100
120 8.7 7.7 11.5
236 26.5 21.2 31.8

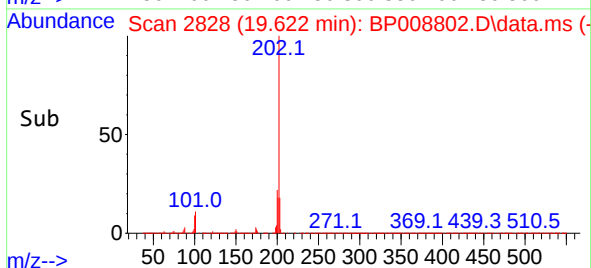
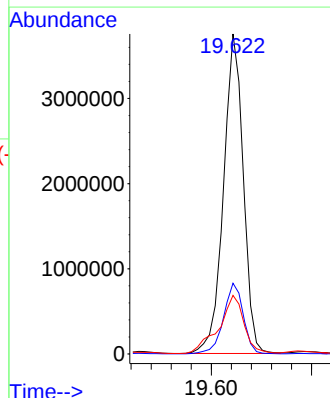
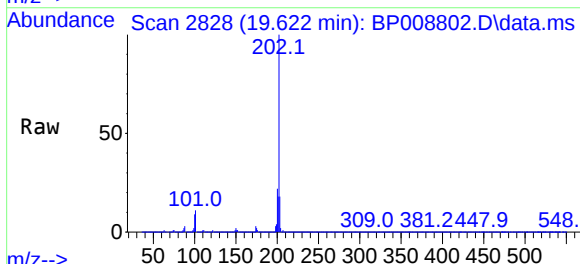
Manual Integrations
APPROVED

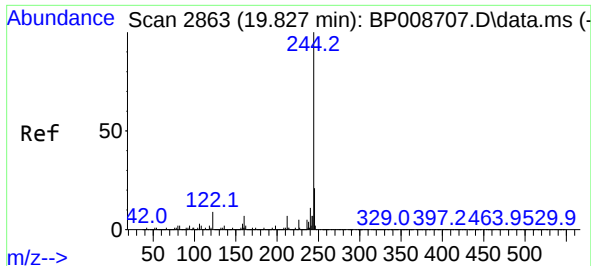
Reviewed By :Christian Giraldo 01/14/2022
Supervised By :Jagrut Upadhyay 01/14/2022



#78
Pyrene
Concen: 45.049 ng
RT: 19.622 min Scan# 2828
Delta R.T. -0.000 min
Lab File: BP008802.D
Acq: 13 Jan 2022 21:50

Tgt Ion:202 Resp: 5148623
Ion Ratio Lower Upper
202 100
200 22.1 18.0 27.0
203 18.3 15.0 22.6





#79
Terphenyl-d14
Concen: 12.621 ng
RT: 19.816 min Scan# 2119
Delta R.T. -0.000 min
Lab File: BP008802.D
Acq: 13 Jan 2022 21:50

Instrument :

BNA_P

ClientSampleId :

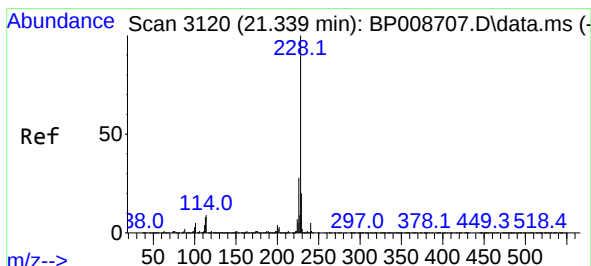
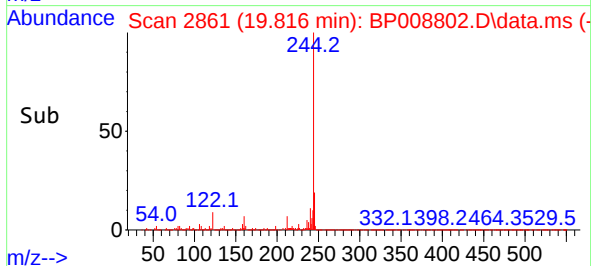
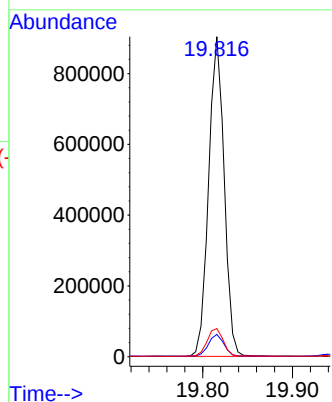
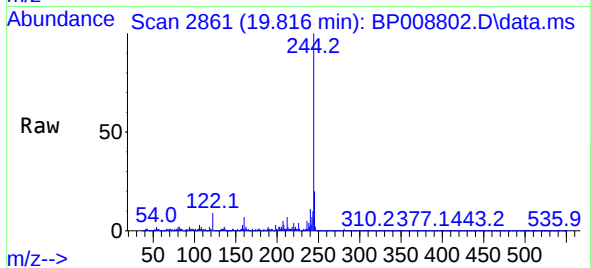
TP-3SDL

Tgt Ion:244 Resp: 108253
Ion Ratio Lower Upper
244 100
212 6.9 6.5 9.7
122 8.8 9.2 13.8

Manual Integrations

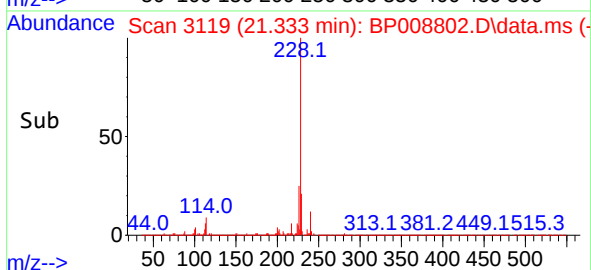
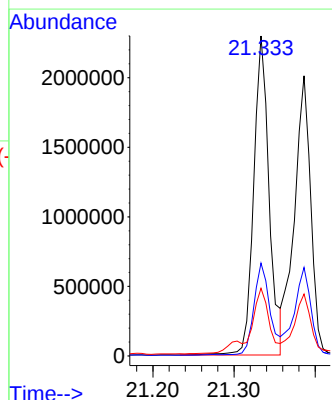
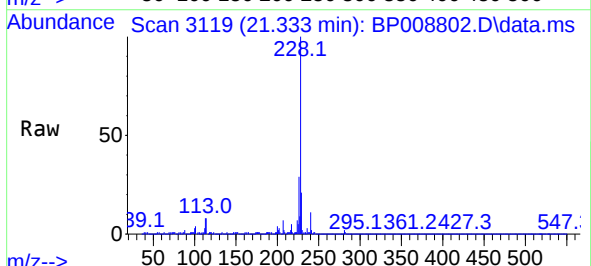
APPROVED

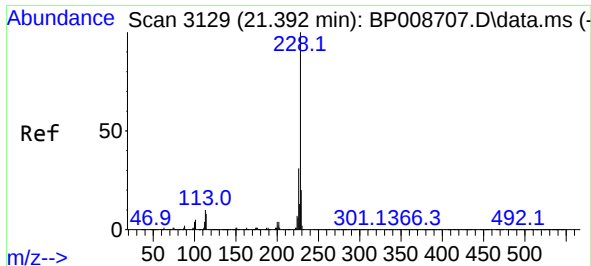
Reviewed By :Christian Giraldo 01/14/2022
Supervised By :Jagrut Upadhyay 01/14/2022



#81
Benzo(a)anthracene
Concen: 26.484 ng
RT: 21.333 min Scan# 3119
Delta R.T. -0.000 min
Lab File: BP008802.D
Acq: 13 Jan 2022 21:50

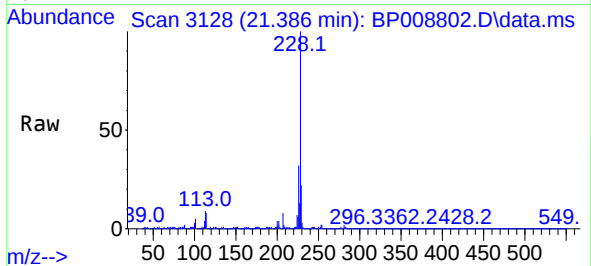
Tgt Ion:228 Resp: 3036907
Ion Ratio Lower Upper
228 100
226 29.0 23.3 34.9
229 21.2 17.0 25.6





#83
Chrysene
Concen: 25.478 ng
RT: 21.386 min Scan# 3128
Delta R.T. -0.000 min
Lab File: BP008802.D
Acq: 13 Jan 2022 21:50

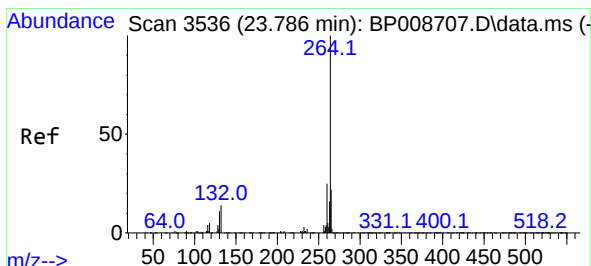
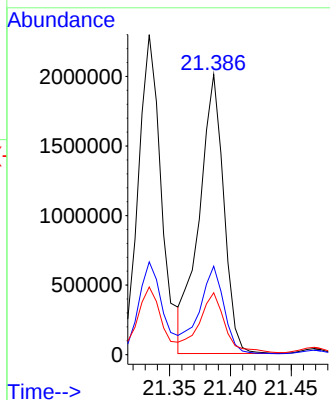
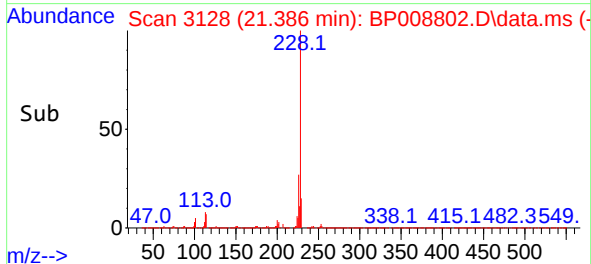
Instrument :
BNA_P
ClientSampleId :
TP-3SDL



Tgt Ion:228 Resp: 281831
Ion Ratio Lower Upper
228 100
226 31.6 26.0 39.0
229 22.1 16.9 25.3

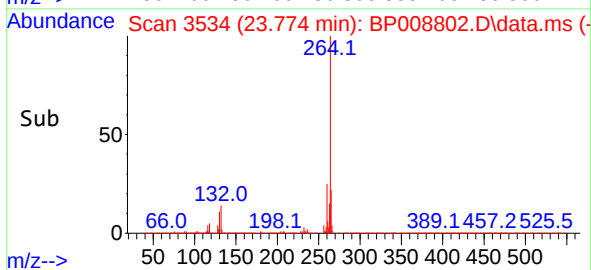
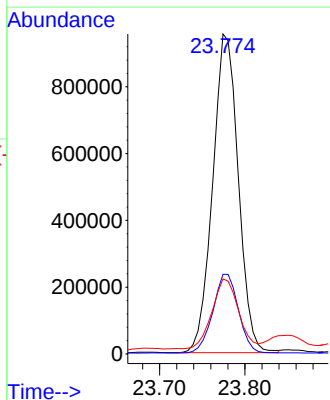
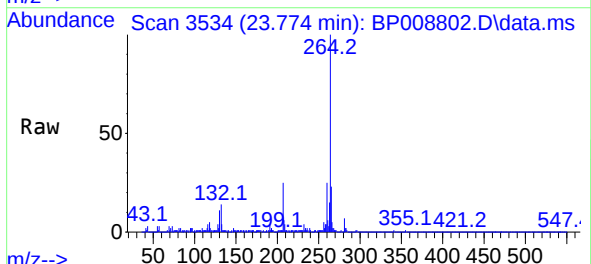
Manual Integrations
APPROVED

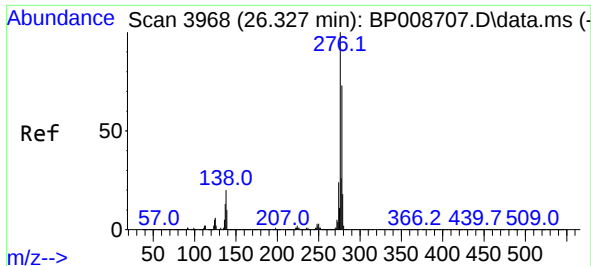
Reviewed By :Christian Giraldo 01/14/2022
Supervised By :Jagrut Upadhyay 01/14/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.774 min Scan# 3534
Delta R.T. 0.006 min
Lab File: BP008802.D
Acq: 13 Jan 2022 21:50

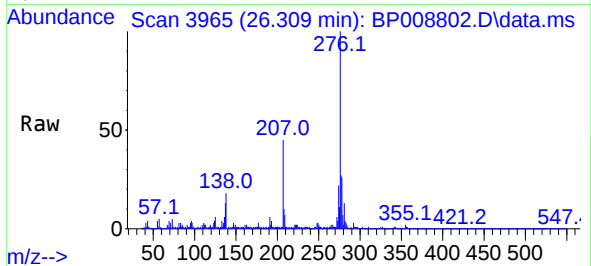
Tgt Ion:264 Resp: 1994559
Ion Ratio Lower Upper
264 100
260 24.9 19.1 28.7
265 23.5 17.1 25.7





#87
Indeno(1,2,3-cd)pyrene
Concen: 10.417 ng
RT: 26.309 min Scan# 3409
Delta R.T. 0.012 min
Lab File: BP008802.D
Acq: 13 Jan 2022 21:50

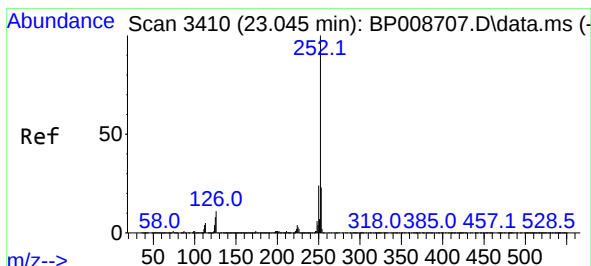
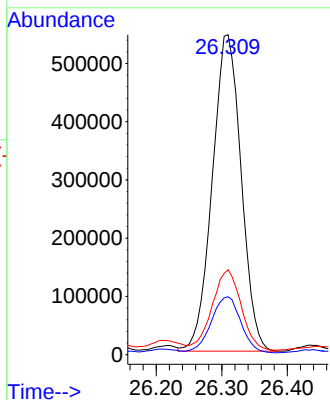
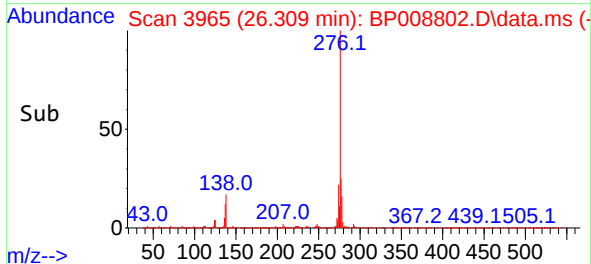
Instrument :
BNA_P
ClientSampleId :
TP-3SDL



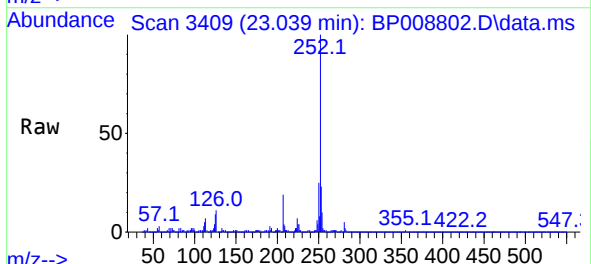
Tgt Ion:276 Resp: 166030
Ion Ratio Lower Upper
276 100
138 18.2 17.8 26.6
277 25.5 20.4 30.6

Manual Integrations
APPROVED

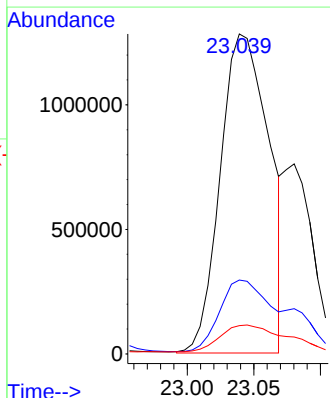
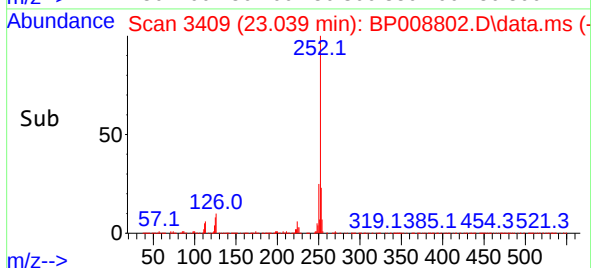
Reviewed By :Christian Giraldo 01/14/2022
Supervised By :Jagrut Upadhyay 01/14/2022

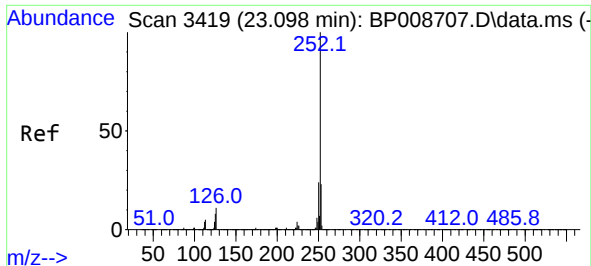


#88
Benzo(b)fluoranthene
Concen: 24.909 ng m
RT: 23.039 min Scan# 3409
Delta R.T. 0.012 min
Lab File: BP008802.D
Acq: 13 Jan 2022 21:50



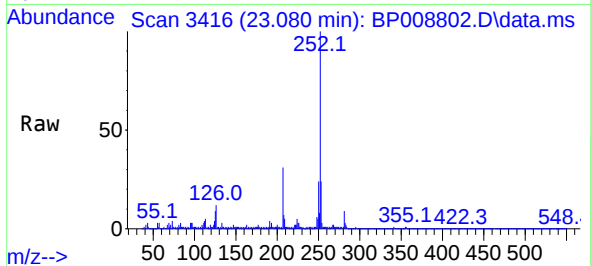
Tgt Ion:252 Resp: 3246249
Ion Ratio Lower Upper
252 100
253 23.1 18.0 27.0
125 8.9 6.9 10.3





#89
Benzo(k)fluoranthene
Concen: 9.374 ng m
RT: 23.080 min Scan# 3419
Delta R.T. -0.000 min
Lab File: BP008802.D
Acq: 13 Jan 2022 21:50

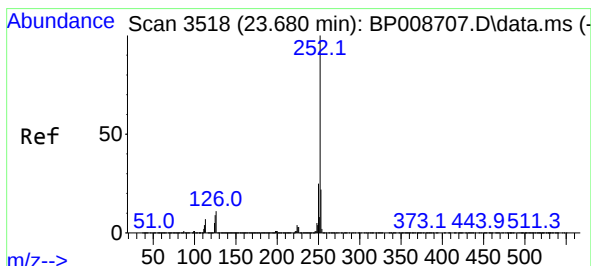
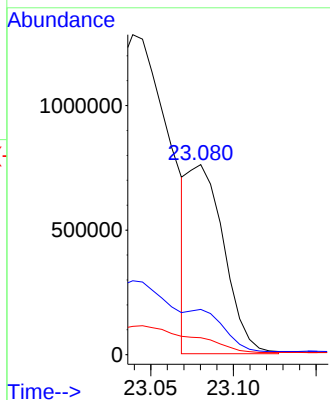
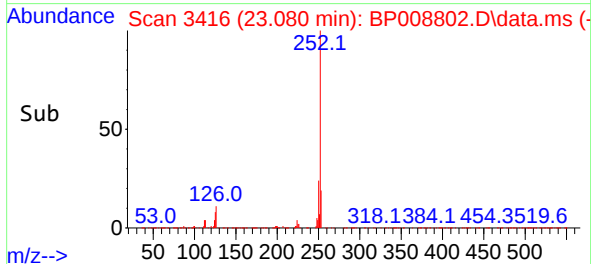
Instrument :
BNA_P
ClientSampleId :
TP-3SDL



Tgt Ion:252 Resp: 1143379
Ion Ratio Lower Upper
252 100
253 23.8 18.2 27.2
125 9.0 7.3 10.9

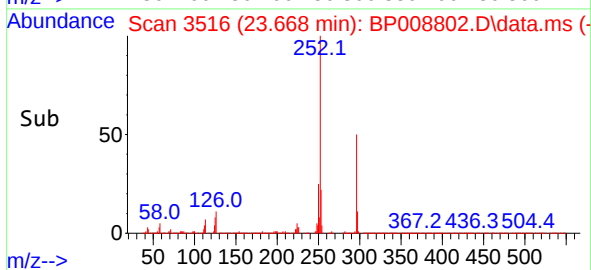
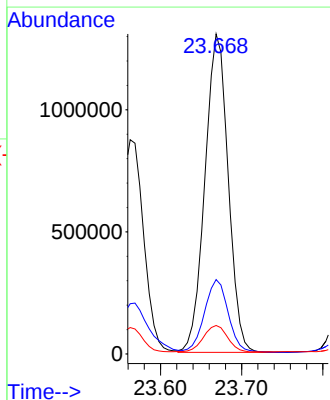
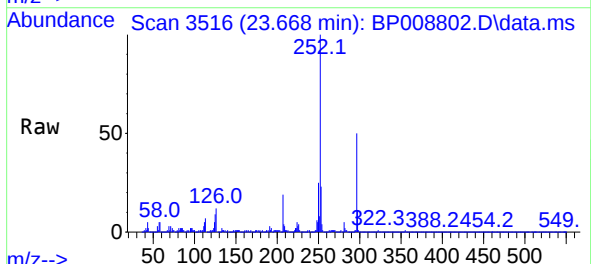
Manual Integrations
APPROVED

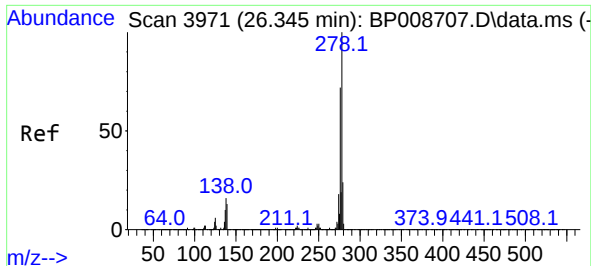
Reviewed By :Christian Giraldo 01/14/2022
Supervised By :Jagrut Upadhyay 01/14/2022



#90
Benzo(a)pyrene
Concen: 20.619 ng
RT: 23.668 min Scan# 3516
Delta R.T. 0.006 min
Lab File: BP008802.D
Acq: 13 Jan 2022 21:50

Tgt Ion:252 Resp: 2597254
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.8
125 8.9 7.8 11.6





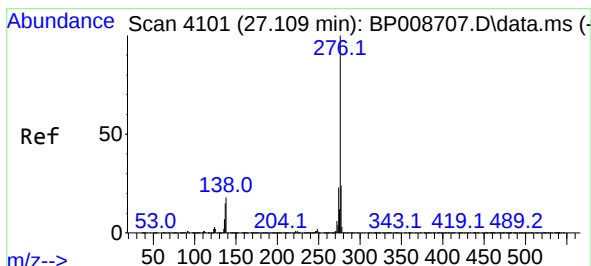
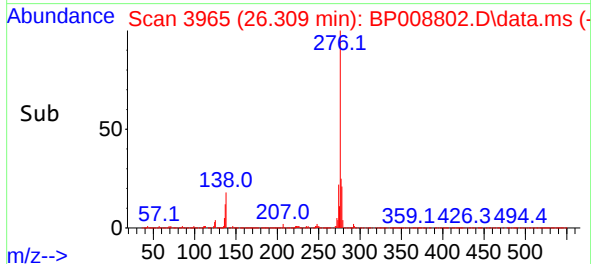
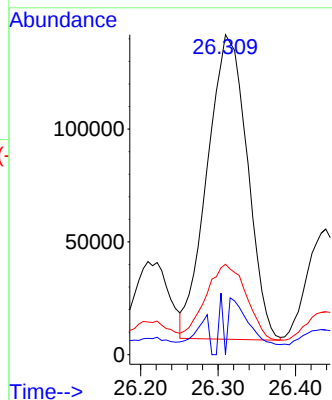
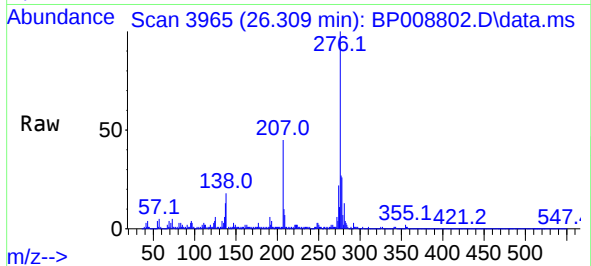
#91
Dibenzo(a,h)anthracene
Concen: 3.605 ng
RT: 26.309 min Scan# 3965
Delta R.T. -0.006 min
Lab File: BP008802.D
Acq: 13 Jan 2022 21:50

Instrument :
BNA_P
ClientSampleId :
TP-3SDL

Tgt Ion:278 Resp: 485458
Ion Ratio Lower Upper
278 100
139 0.0 11.5 17.3
279 28.2 19.1 28.7

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/14/2022
Supervised By :Jagrut Upadhyay 01/14/2022



#92
Benzo(g,h,i)perylene
Concen: 12.480 ng
RT: 27.092 min Scan# 4098
Delta R.T. 0.017 min
Lab File: BP008802.D
Acq: 13 Jan 2022 21:50

Tgt Ion:276 Resp: 1668274
Ion Ratio Lower Upper
276 100
277 25.3 19.2 28.8
138 17.9 15.0 22.4

