

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011222\
 Data File : BP008778.D
 Acq On : 12 Jan 2022 17:27
 Operator : CG/JU
 Sample : N1097-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-1S

Quant Time: Jan 13 07:00:24 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

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 01/13/2022
 Supervised By : Jagrut Upadhyay 01/13/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	396056	20.000	ng	0.00
21) Naphthalene-d8	10.663	136	1648104	20.000	ng	0.00
39) Acenaphthene-d10	14.504	164	1123875	20.000	ng	0.00
64) Phenanthrene-d10	17.257	188	2410335	20.000	ng	0.00
76) Chrysene-d12	21.357	240	2371364	20.000	ng	0.01
86) Perylene-d12	23.780	264	2159109	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	2406711	95.159	ng	0.00
7) Phenol-d6	7.040	99	3078585	90.674	ng	0.00
23) Nitrobenzene-d5	9.022	82	1911035	65.668	ng	0.00
42) 2,4,6-Tribromophenol	15.998	330	1664279	87.774	ng	0.00
45) 2-Fluorobiphenyl	13.128	172	4780677	59.803	ng	0.00
79) Terphenyl-d14	19.822	244	7080986	60.851	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.716	128	312618	3.508	ng	99
37) 2-Methylnaphthalene	12.328	142	224369	3.200	ng	96
38) 1-Methylnaphthalene	12.545	142	320944	4.929	ng	100
49) Acenaphthylene	14.222	152	545010	5.102	ng	97
52) Acenaphthene	14.563	154	609192	9.521	ng	98
55) Dibenzofuran	14.898	168	565947	5.363	ng	# 95
58) Fluorene	15.551	166	981666	11.557	ng	99
71) Phenanthrene	17.304	178	16667151m	124.456	ng	
72) Anthracene	17.392	178	5032935	36.800	ng	99
73) Carbazole	17.657	167	1054219	8.411	ng	100
75) Fluoranthene	19.269	202	19124850m	119.259	ng	
78) Pyrene	19.622	202	19691520m	126.996	ng	
81) Benzo(a)anthracene	21.339	228	14495302	93.174	ng	93
83) Chrysene	21.398	228	13497784	89.941	ng	95
87) Indeno(1,2,3-cd)pyrene	26.315	276	5911598	34.265	ng	96
88) Benzo(b)fluoranthene	23.051	252	13711458m	97.193	ng	
89) Benzo(k)fluoranthene	23.086	252	4207515m	31.868	ng	
90) Benzo(a)pyrene	23.686	252	10466611	76.761	ng	98
91) Dibenzo(a,h)anthracene	26.321	278	1594844	10.940	ng	# 85
92) Benzo(g,h,i)perylene	27.104	276	5544101	38.314	ng	99

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

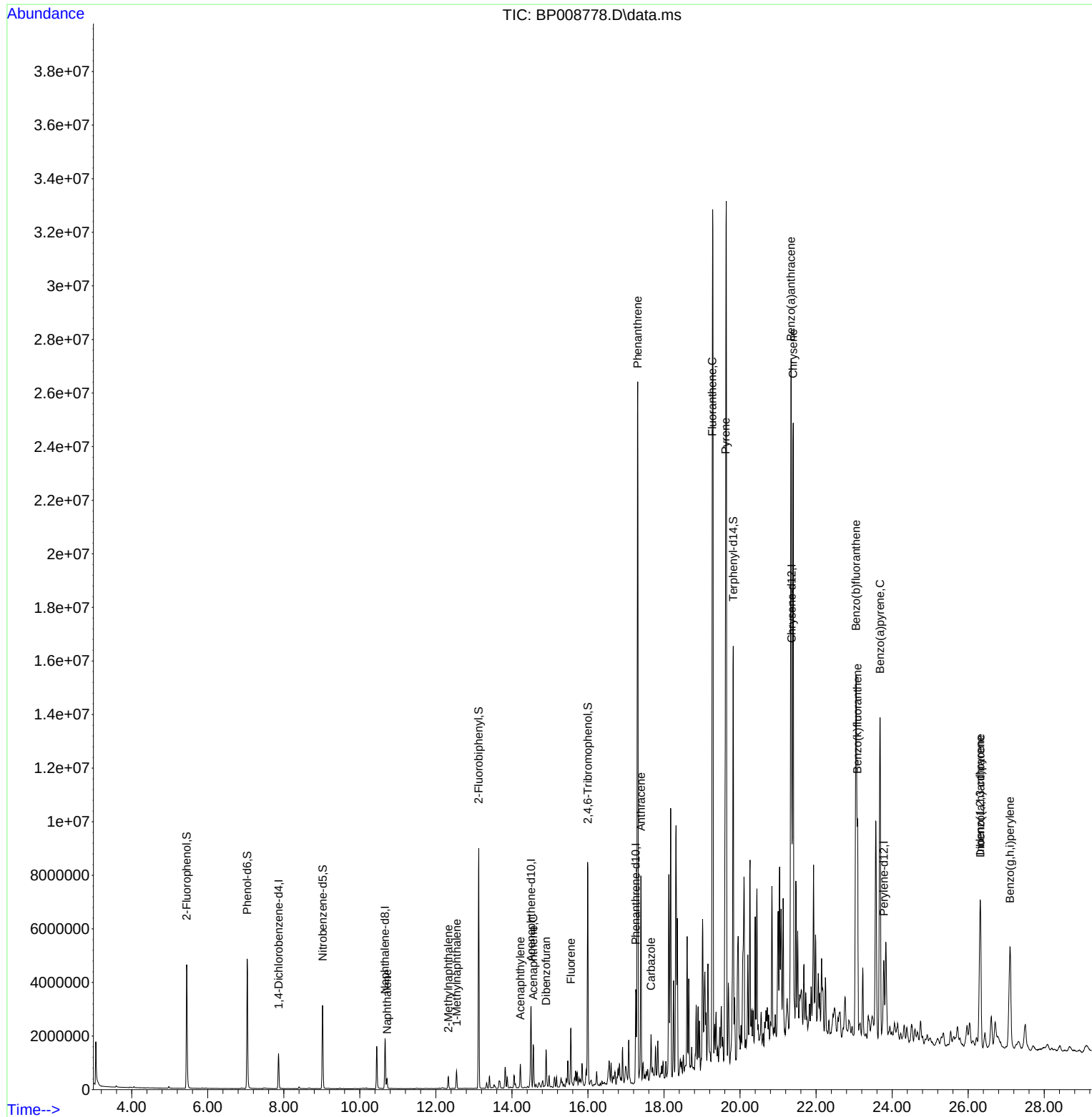
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011222\
Data File : BP008778.D
Acq On : 12 Jan 2022 17:27
Operator : CG/JU
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Misc :
ALS Vial : 10 Sample Multiplier: 1

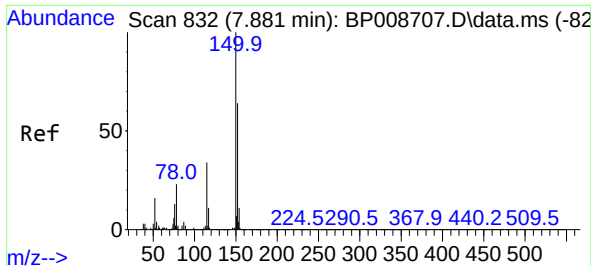
Instrument :
BNA_P
ClientSampleId :
TP-1S

Quant Time: Jan 13 07:00:24 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
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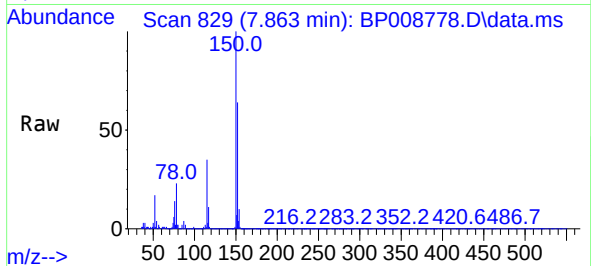
Reviewed By : Christian Giraldo 01/13/2022
Supervised By : Jagrut Upadhyay 01/13/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.863 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP008778.D
Acq: 12 Jan 2022 17:27

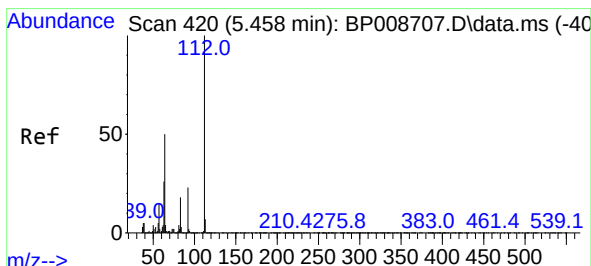
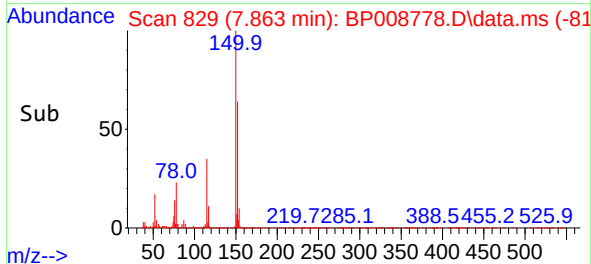
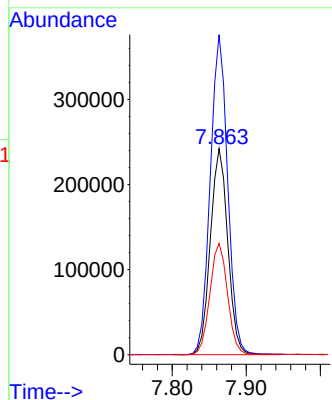
Instrument :
BNA_P
ClientSampleId :
TP-1S



Tgt Ion:152 Resp: 396050
Ion Ratio Lower Upper
152 100
150 155.2 127.0 190.6
115 54.1 43.7 65.5

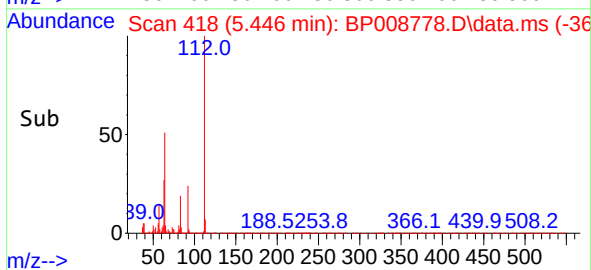
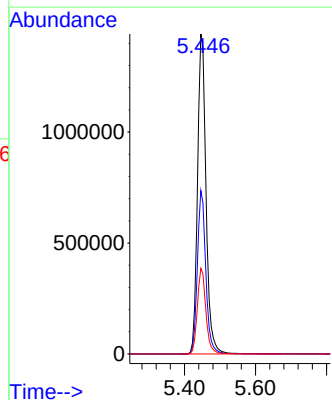
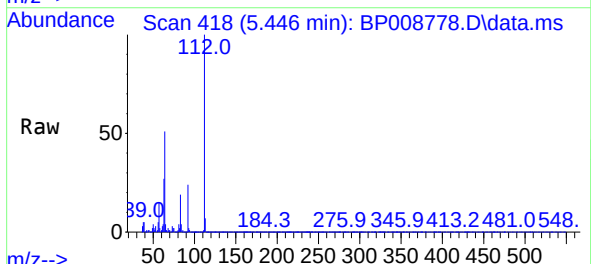
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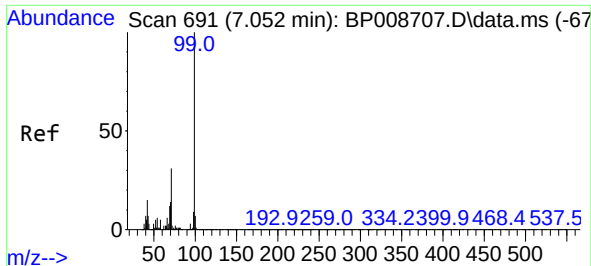
Reviewed By :Christian Giraldo 01/13/2022
Supervised By :Jagrut Upadhyay 01/13/2022



#5
2-Fluorophenol
Concen: 95.159 ng
RT: 5.446 min Scan# 418
Delta R.T. -0.000 min
Lab File: BP008778.D
Acq: 12 Jan 2022 17:27

Tgt Ion:112 Resp: 2406711
Ion Ratio Lower Upper
112 100
64 51.1 39.7 59.5
63 26.7 20.0 30.0





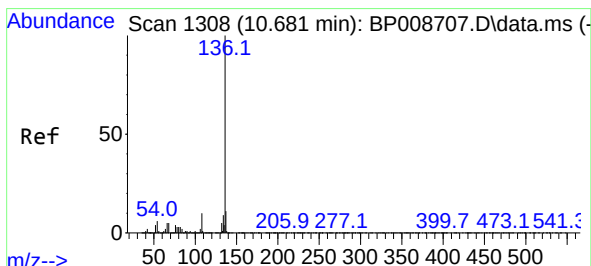
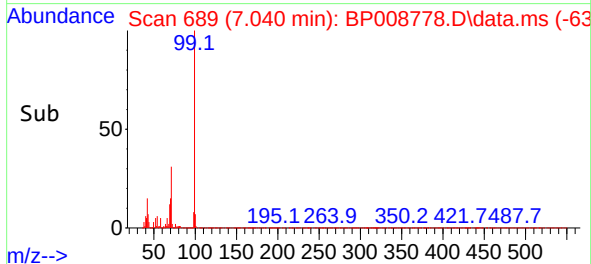
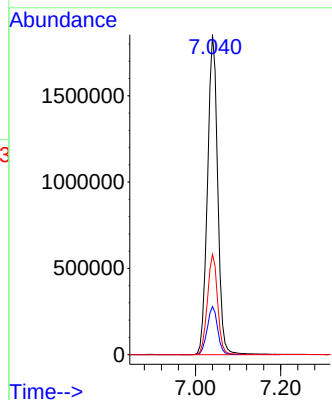
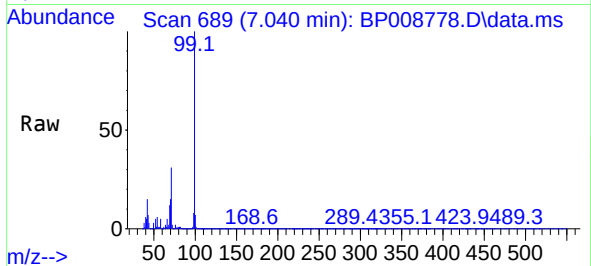
#7
Phenol-d6
Concen: 90.674 ng
RT: 7.040 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP008778.D
Acq: 12 Jan 2022 17:27

Instrument :
BNA_P
ClientSampleId :
TP-1S

Tgt Ion: 99 Resp: 307858
Ion Ratio Lower Upper
99 100
42 15.0 10.8 16.2
71 31.4 23.8 35.6

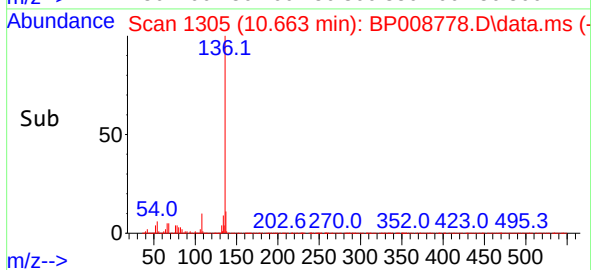
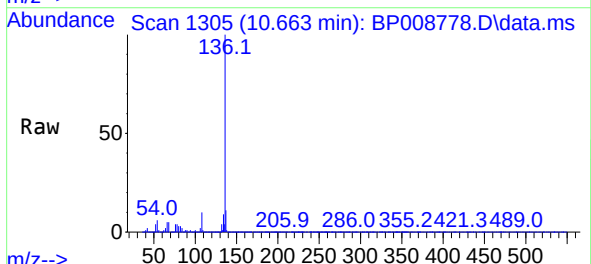
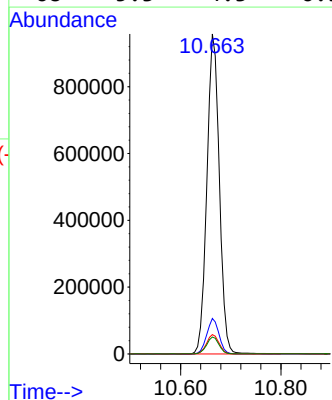
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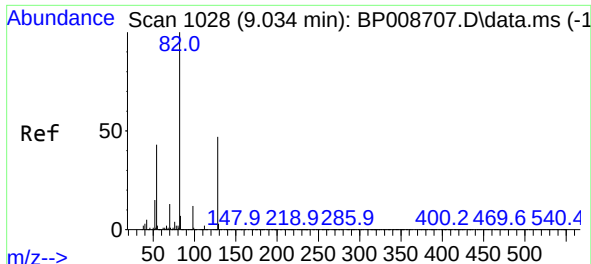
Reviewed By :Christian Giraldo 01/13/2022
Supervised By :Jagrut Upadhyay 01/13/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BP008778.D
Acq: 12 Jan 2022 17:27

Tgt Ion:136 Resp: 1648104
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 6.1 4.9 7.3
68 5.3 4.3 6.5





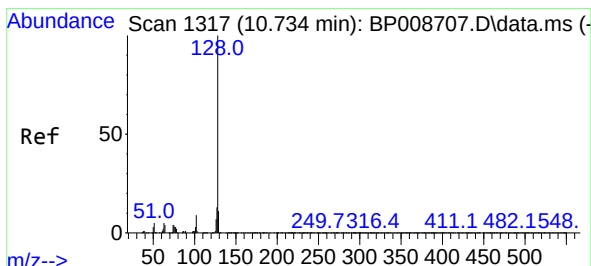
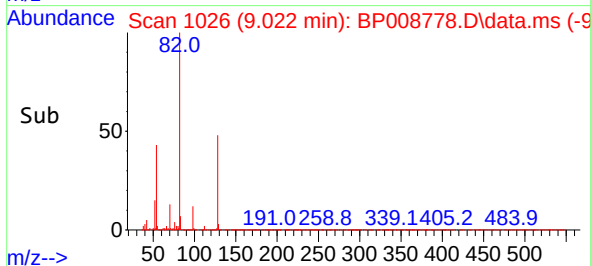
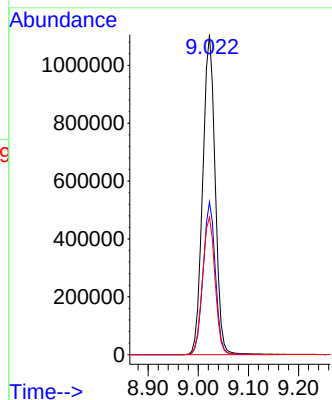
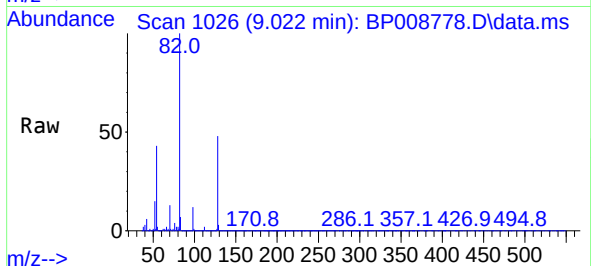
#23
Nitrobenzene-d5
Concen: 65.668 ng
RT: 9.022 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BP008778.D
Acq: 12 Jan 2022 17:27

Instrument :
BNA_P
ClientSampleId :
TP-1S

Tgt Ion: 82 Resp: 1911035
Ion Ratio Lower Upper
82 100
128 47.7 39.4 59.2
54 43.0 32.6 48.8

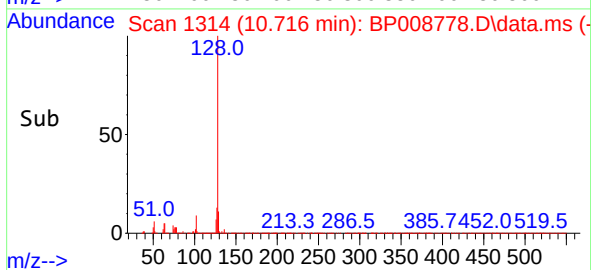
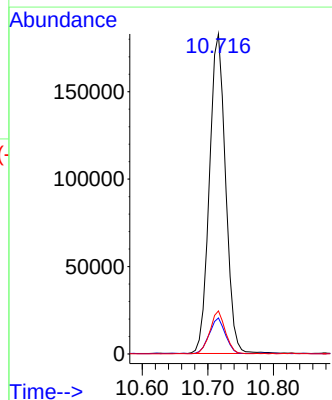
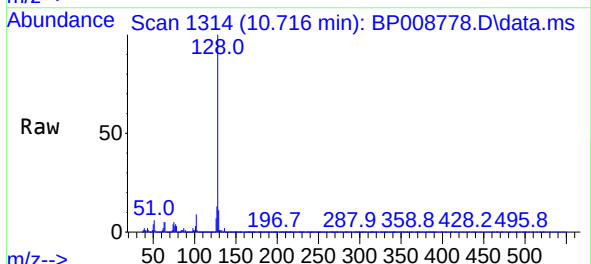
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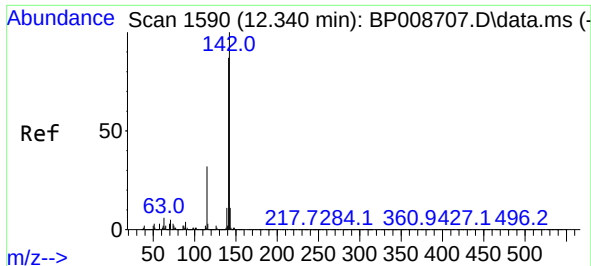
Reviewed By :Christian Giraldo 01/13/2022
Supervised By :Jagrut Upadhyay 01/13/2022



#31
Naphthalene
Concen: 3.508 ng
RT: 10.716 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BP008778.D
Acq: 12 Jan 2022 17:27

Tgt Ion:128 Resp: 312618
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 13.4 10.4 15.6





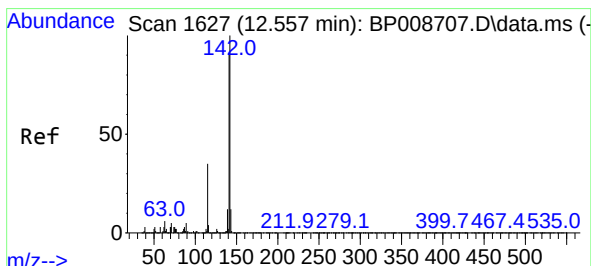
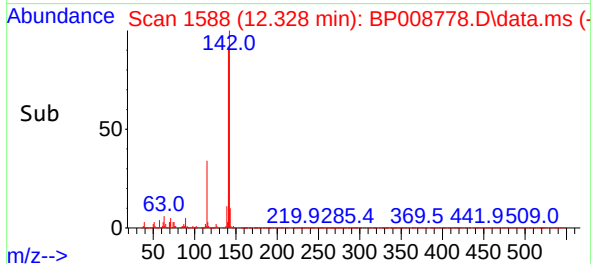
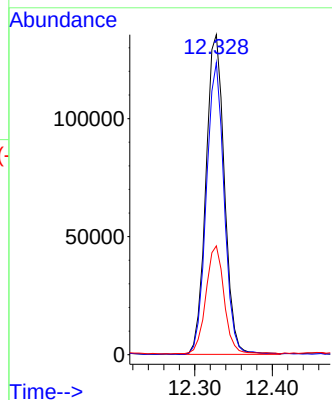
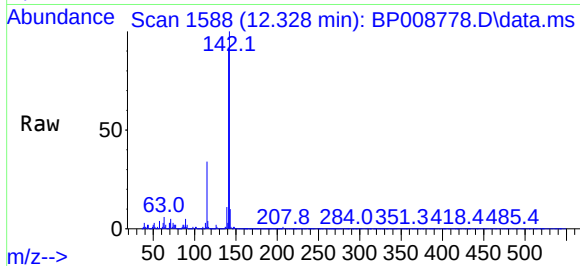
#37
2-Methylnaphthalene
Concen: 3.200 ng
RT: 12.328 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP008778.D
Acq: 12 Jan 2022 17:27

Instrument :
BNA_P
ClientSampleId :
TP-1S

Tgt Ion:142 Resp: 224369
Ion Ratio Lower Upper
142 100
141 91.3 70.5 105.7
115 34.0 24.6 36.8

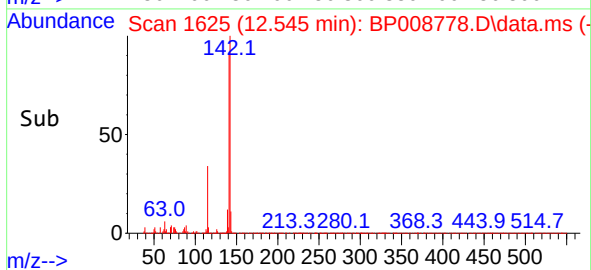
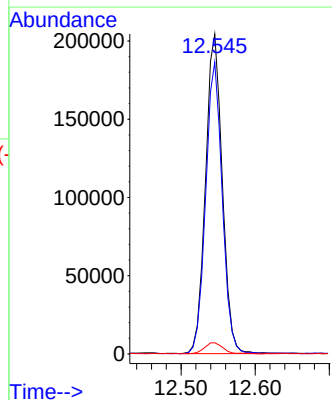
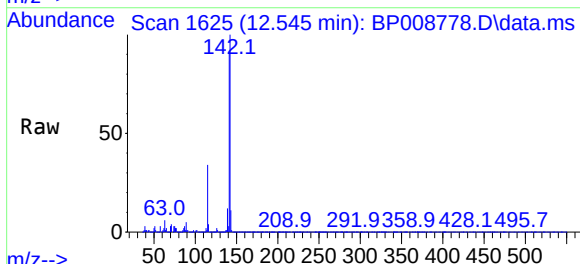
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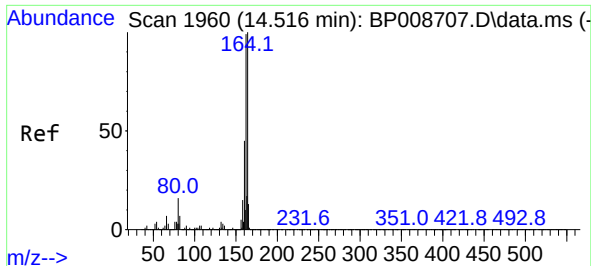
Reviewed By :Christian Giraldo 01/13/2022
Supervised By :Jagrut Upadhyay 01/13/2022



#38
1-Methylnaphthalene
Concen: 4.929 ng
RT: 12.545 min Scan# 1625
Delta R.T. -0.006 min
Lab File: BP008778.D
Acq: 12 Jan 2022 17:27

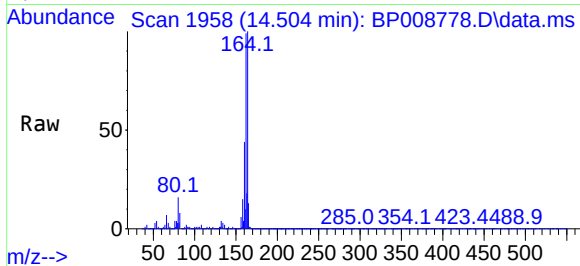
Tgt Ion:142 Resp: 320944
Ion Ratio Lower Upper
142 100
141 91.1 73.2 109.8
116 3.5 2.7 4.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.504 min Scan# 1958
Delta R.T. -0.000 min
Lab File: BP008778.D
Acq: 12 Jan 2022 17:27

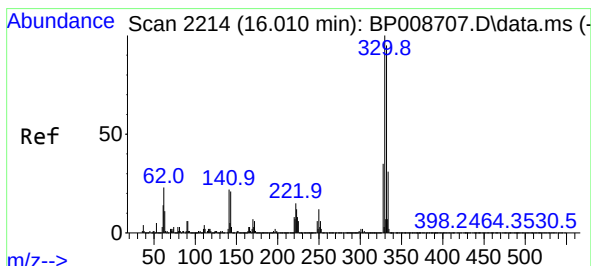
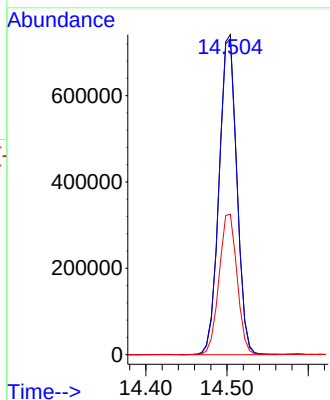
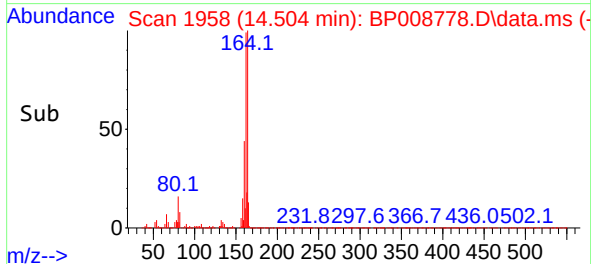
Instrument :
BNA_P
ClientSampleId :
TP-1S



Tgt Ion:164 Resp: 1123879
Ion Ratio Lower Upper
164 100
162 98.7 79.9 119.9
160 43.9 35.5 53.3

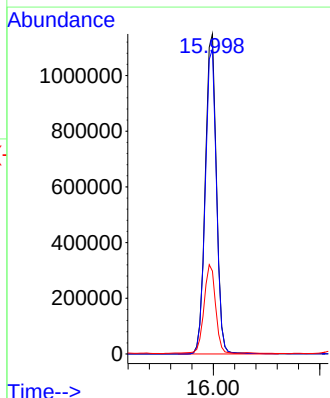
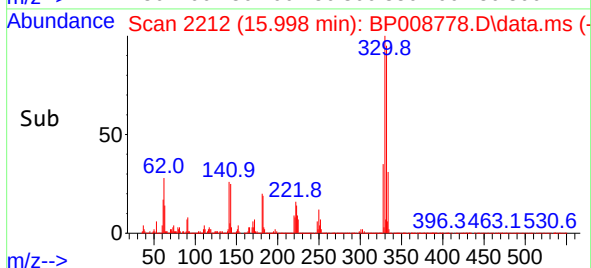
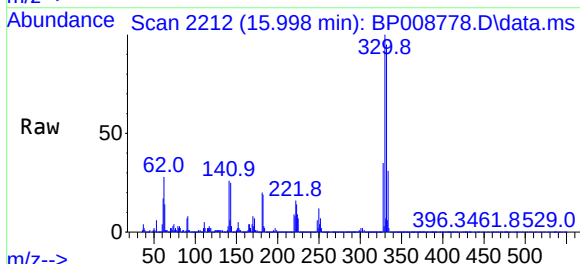
Manual Integrations
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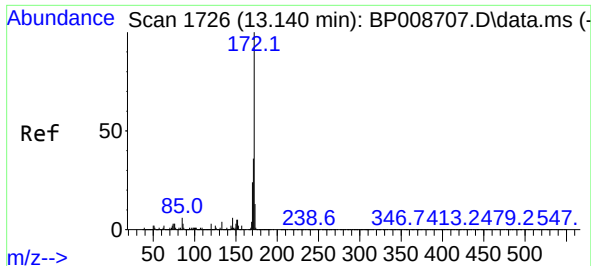
Reviewed By :Christian Giraldo 01/13/2022
Supervised By :Jagrut Upadhyay 01/13/2022



#42
2,4,6-Tribromophenol
Concen: 87.774 ng
RT: 15.998 min Scan# 2212
Delta R.T. -0.000 min
Lab File: BP008778.D
Acq: 12 Jan 2022 17:27

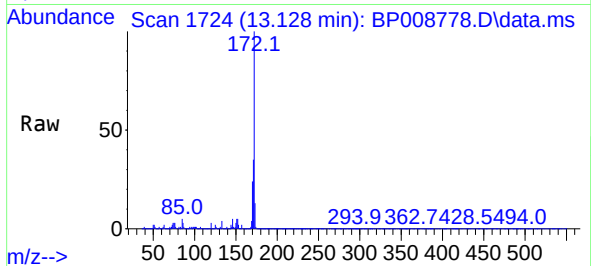
Tgt Ion:330 Resp: 1664279
Ion Ratio Lower Upper
330 100
332 95.9 77.0 115.4
141 29.1 21.3 31.9





#45
2-Fluorobiphenyl
Concen: 59.803 ng
RT: 13.128 min Scan# 1726
Delta R.T. -0.006 min
Lab File: BP008778.D
Acq: 12 Jan 2022 17:27

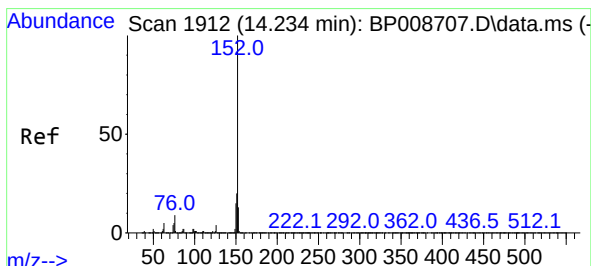
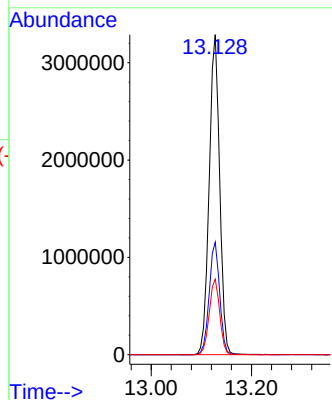
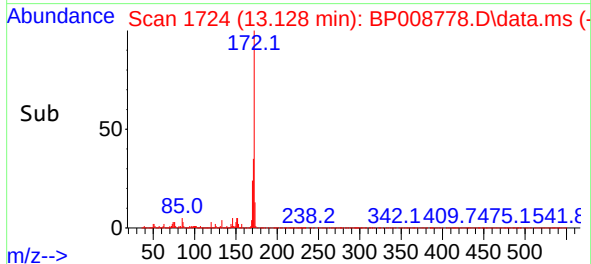
Instrument :
BNA_P
ClientSampleId :
TP-1S



Tgt Ion:172 Resp: 478067
Ion Ratio Lower Upper
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171 35.2 29.3 43.9
170 23.6 19.5 29.3

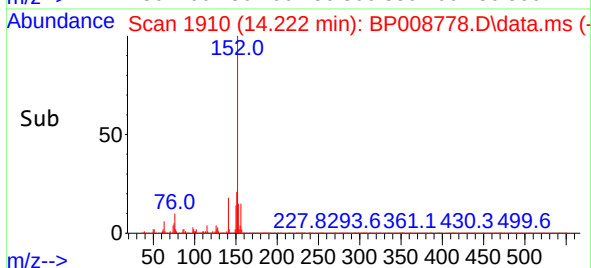
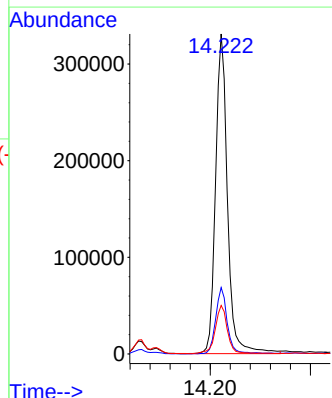
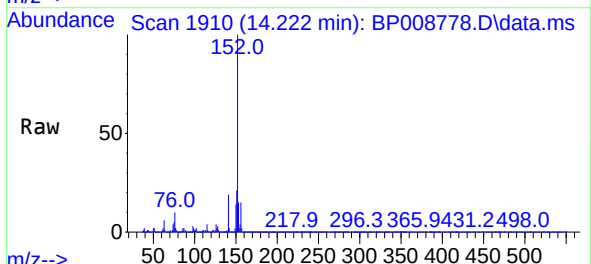
Manual Integrations
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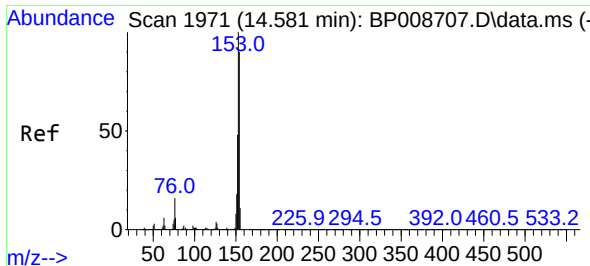
Reviewed By :Christian Giraldo 01/13/2022
Supervised By :Jagrut Upadhyay 01/13/2022



#49
Acenaphthylene
Concen: 5.102 ng
RT: 14.222 min Scan# 1910
Delta R.T. -0.006 min
Lab File: BP008778.D
Acq: 12 Jan 2022 17:27

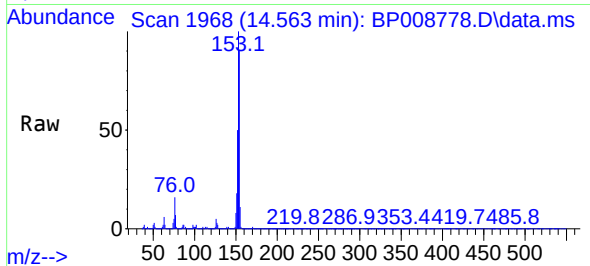
Tgt Ion:152 Resp: 545010
Ion Ratio Lower Upper
152 100
151 20.7 16.1 24.1
153 15.2 10.6 16.0





#52
Acenaphthene
Concen: 9.521 ng
RT: 14.563 min Scan# 1971
Delta R.T. -0.006 min
Lab File: BP008778.D
Acq: 12 Jan 2022 17:27

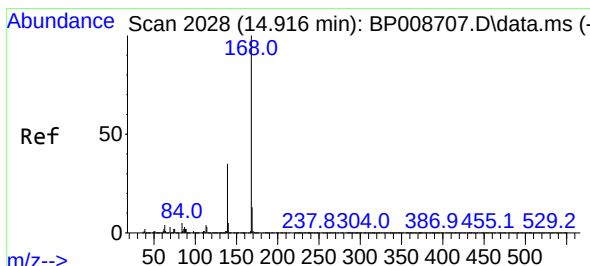
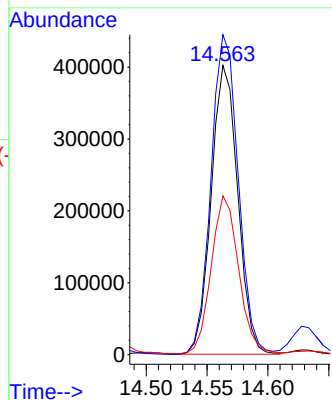
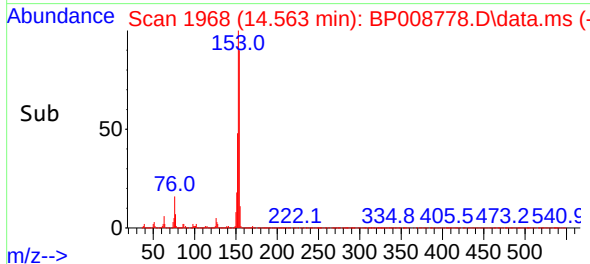
Instrument :
BNA_P
ClientSampleId :
TP-1S



Tgt Ion:154 Resp: 609192
Ion Ratio Lower Upper
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153 110.6 89.4 134.2
152 54.9 42.6 63.8

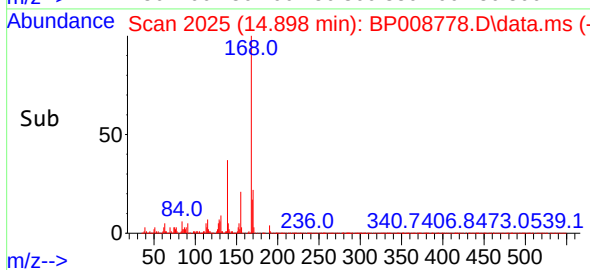
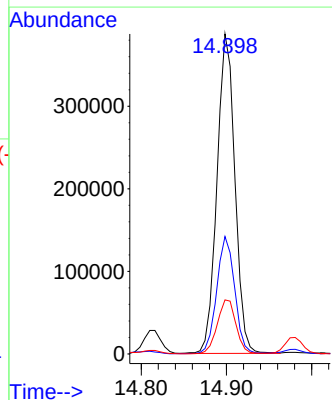
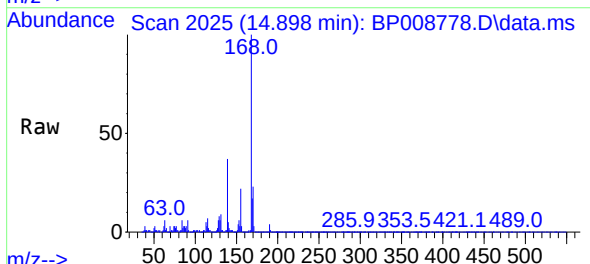
Manual Integrations
APPROVED

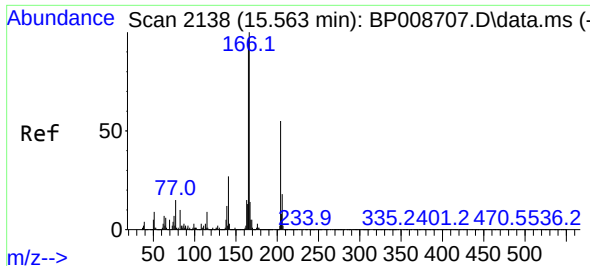
Reviewed By :Christian Giraldo 01/13/2022
Supervised By :Jagrut Upadhyay 01/13/2022



#55
Dibenzofuran
Concen: 5.363 ng
RT: 14.898 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BP008778.D
Acq: 12 Jan 2022 17:27

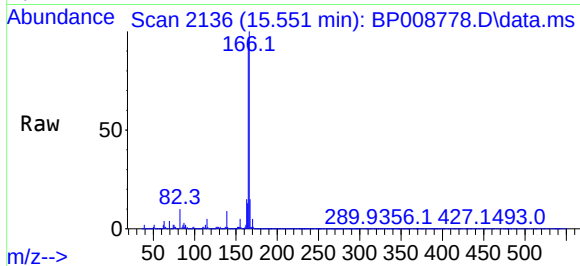
Tgt Ion:168 Resp: 565947
Ion Ratio Lower Upper
168 100
139 36.7 27.4 41.0
169 16.9 10.9 16.3





#58
Fluorene
Concen: 11.557 ng
RT: 15.551 min Scan# 2136
Delta R.T. -0.006 min
Lab File: BP008778.D
Acq: 12 Jan 2022 17:27

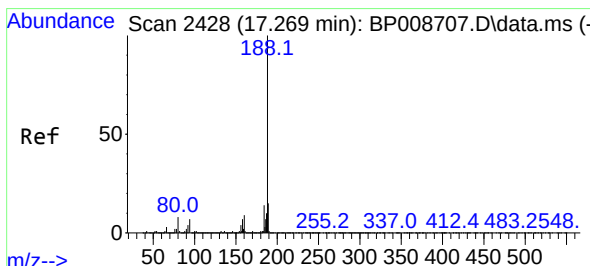
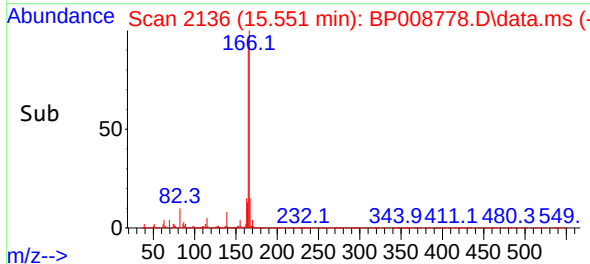
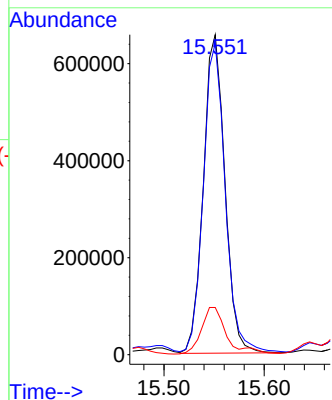
Instrument :
BNA_P
ClientSampleId :
TP-1S



Tgt Ion:166 Resp: 981660
Ion Ratio Lower Upper
166 100
165 97.2 77.2 115.8
167 14.7 11.2 16.8

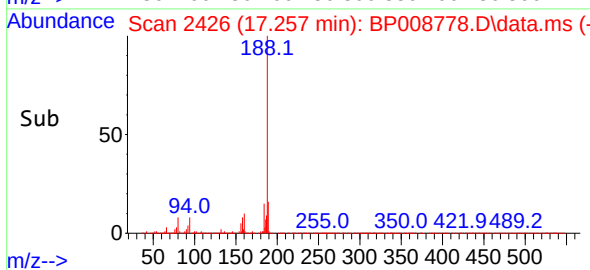
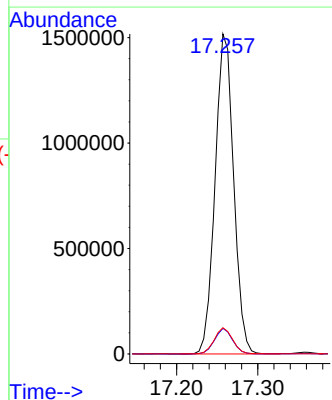
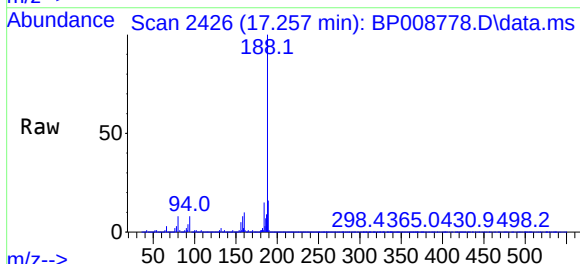
Manual Integrations
APPROVED

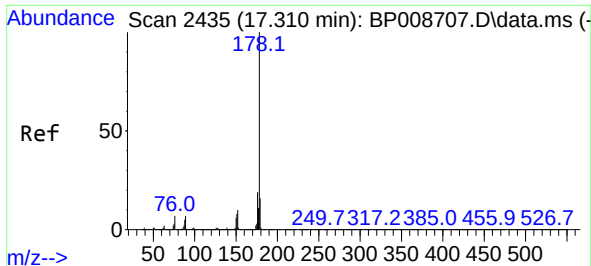
Reviewed By :Christian Giraldo 01/13/2022
Supervised By :Jagrut Upadhyay 01/13/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.257 min Scan# 2426
Delta R.T. -0.000 min
Lab File: BP008778.D
Acq: 12 Jan 2022 17:27

Tgt Ion:188 Resp: 2410335
Ion Ratio Lower Upper
188 100
94 8.0 6.8 10.2
80 8.2 7.2 10.8





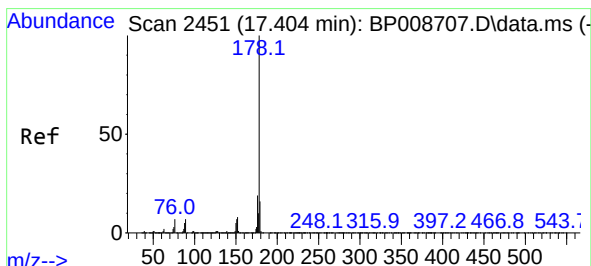
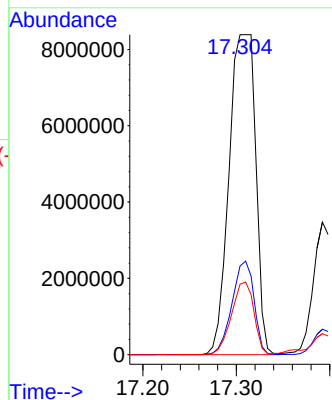
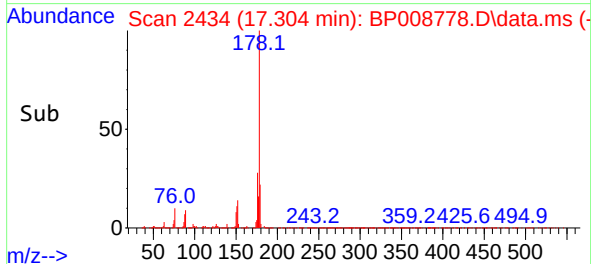
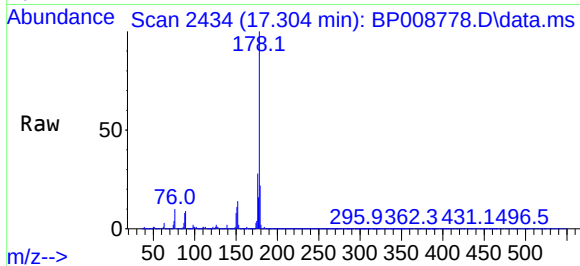
#71
Phenanthrene
Concen: 124.456 ng m
RT: 17.304 min Scan# 2435
Delta R.T. 0.006 min
Lab File: BP008778.D
Acq: 12 Jan 2022 17:27

Instrument :
BNA_P
ClientSampleId :
TP-1S

Tgt Ion:178 Resp:1666715
Ion Ratio Lower Upper
178 100
176 27.7 16.0 24.0
179 22.0 13.0 19.4

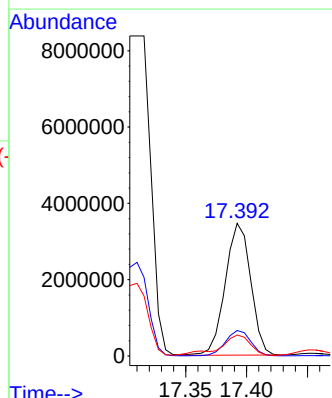
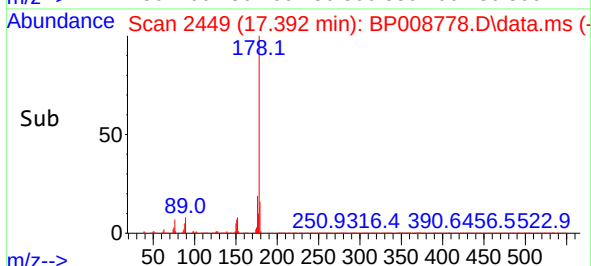
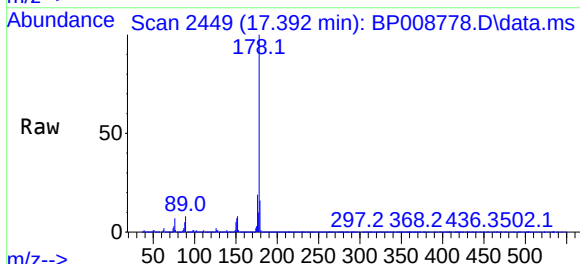
Manual Integrations
APPROVED

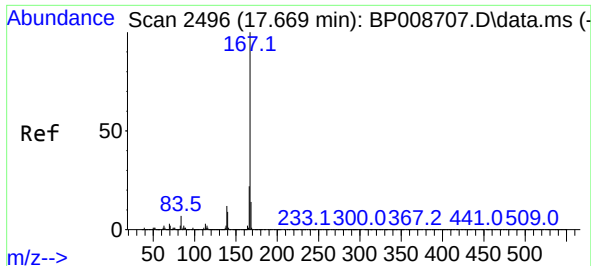
Reviewed By :Christian Giraldo 01/13/2022
Supervised By :Jagrut Upadhyay 01/13/2022



#72
Anthracene
Concen: 36.800 ng
RT: 17.392 min Scan# 2449
Delta R.T. -0.000 min
Lab File: BP008778.D
Acq: 12 Jan 2022 17:27

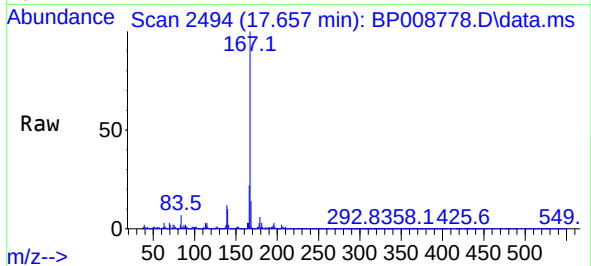
Tgt Ion:178 Resp: 5032935
Ion Ratio Lower Upper
178 100
176 19.2 15.1 22.7
179 15.8 12.8 19.2





#73
 Carbazole
 Concen: 8.411 ng
 RT: 17.657 min Scan# 2496
 Delta R.T. -0.006 min
 Lab File: BP008778.D
 Acq: 12 Jan 2022 17:27

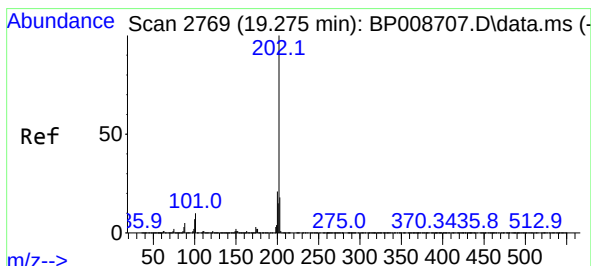
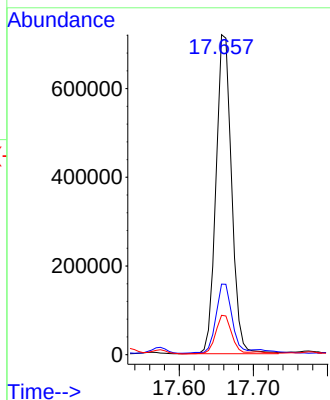
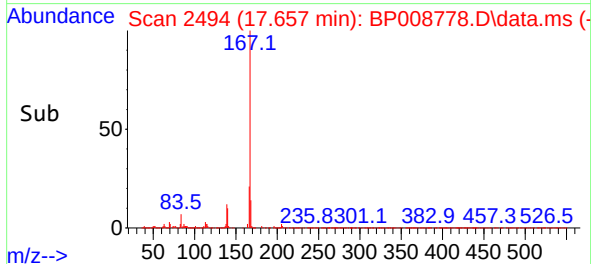
Instrument :
 BNA_P
 ClientSampleId :
 TP-1S



Tgt Ion:167 Resp: 1054219
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.7 26.5
 139 12.3 9.8 14.6

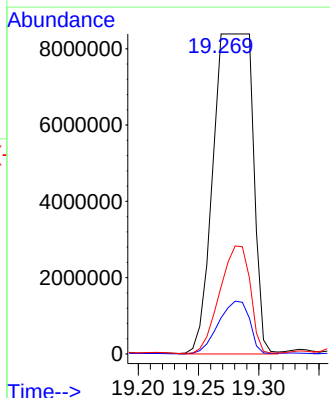
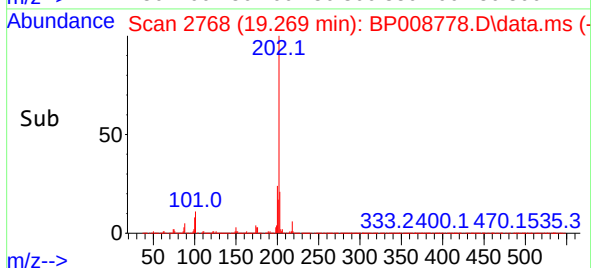
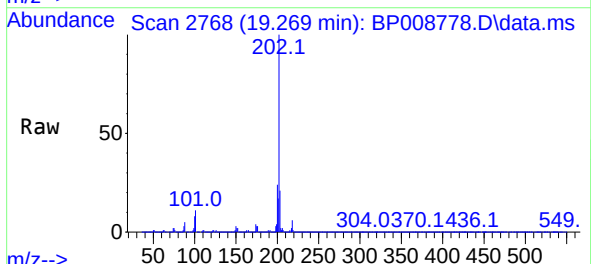
Manual Integrations
 APPROVED

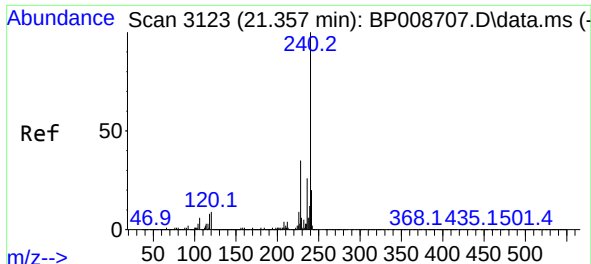
Reviewed By :Christian Giraldo 01/13/2022
 Supervised By :Jagrut Upadhyay 01/13/2022



#75
 Fluoranthene
 Concen: 119.259 ng m
 RT: 19.269 min Scan# 2768
 Delta R.T. -0.000 min
 Lab File: BP008778.D
 Acq: 12 Jan 2022 17:27

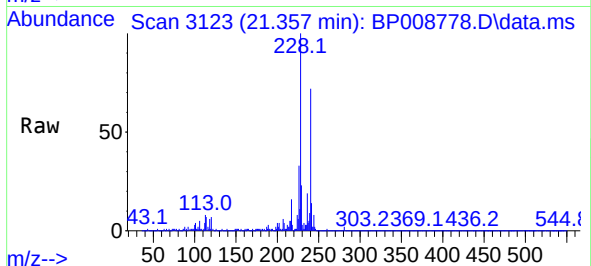
Tgt Ion:202 Resp:19124850
 Ion Ratio Lower Upper
 202 100
 101 11.3 0.0 30.7
 203 21.0 0.0 38.9





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.357 min Scan# 3123
Delta R.T. 0.012 min
Lab File: BP008778.D
Acq: 12 Jan 2022 17:27

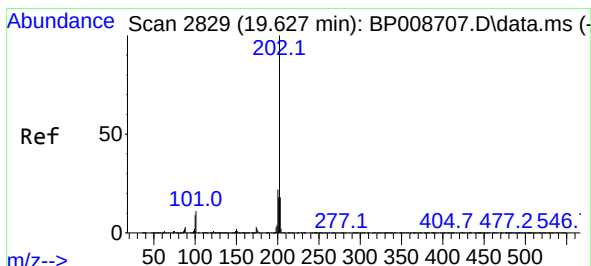
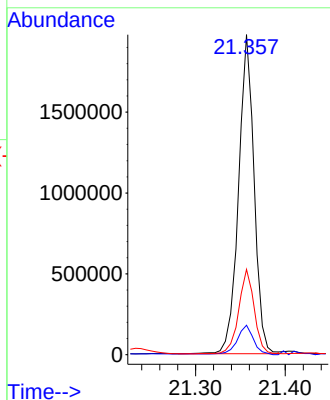
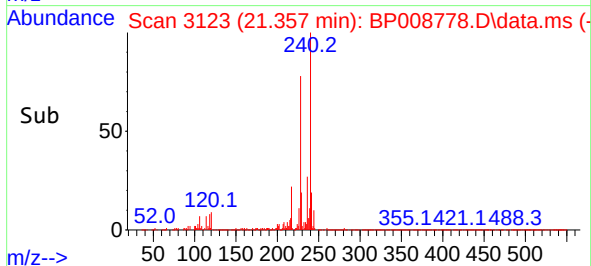
Instrument :
BNA_P
ClientSampleId :
TP-1S



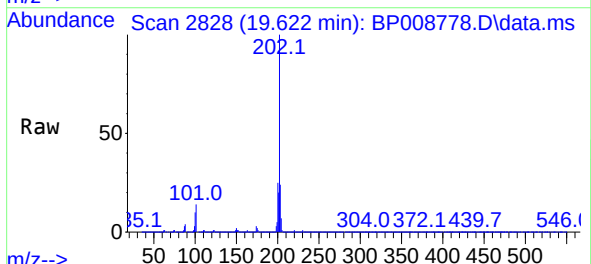
Tgt Ion:240 Resp: 2371364
Ion Ratio Lower Upper
240 100
120 9.2 7.7 11.5
236 26.6 21.2 31.8

Manual Integrations
APPROVED

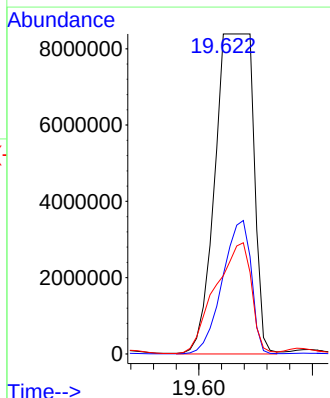
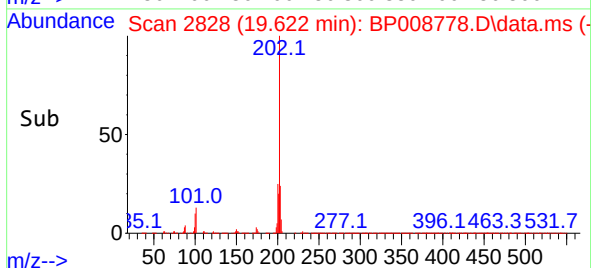
Reviewed By :Christian Giraldo 01/13/2022
Supervised By :Jagrut Upadhyay 01/13/2022

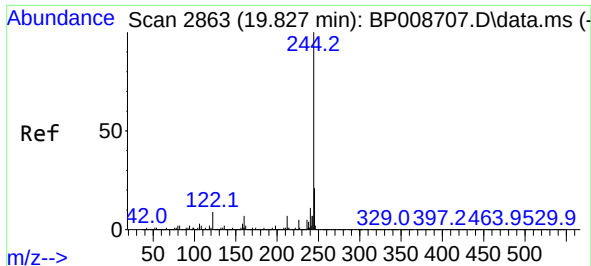


#78
Pyrene
Concen: 126.996 ng m
RT: 19.622 min Scan# 2828
Delta R.T. -0.000 min
Lab File: BP008778.D
Acq: 12 Jan 2022 17:27



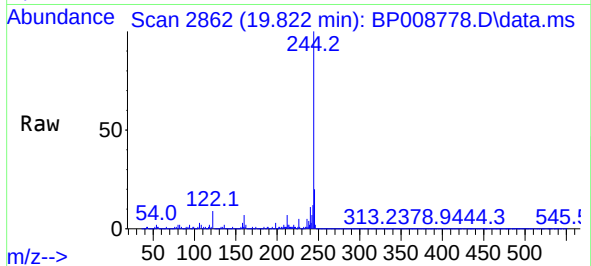
Tgt Ion:202 Resp:19691520
Ion Ratio Lower Upper
202 100
200 24.7 18.0 27.0
203 24.4 15.0 22.6#





#79
 Terphenyl-d14
 Concen: 60.851 ng
 RT: 19.822 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BP008778.D
 Acq: 12 Jan 2022 17:27

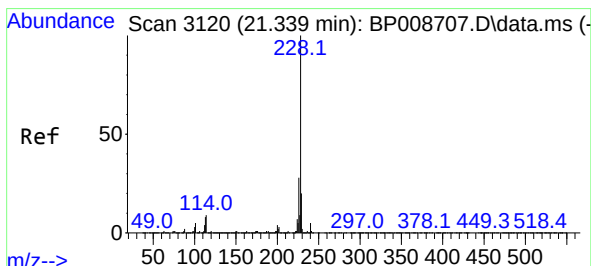
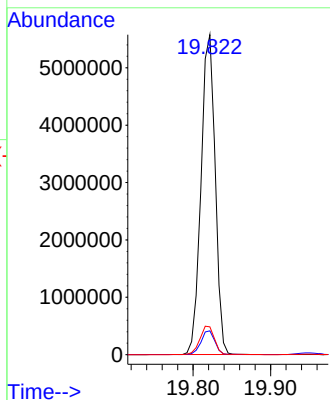
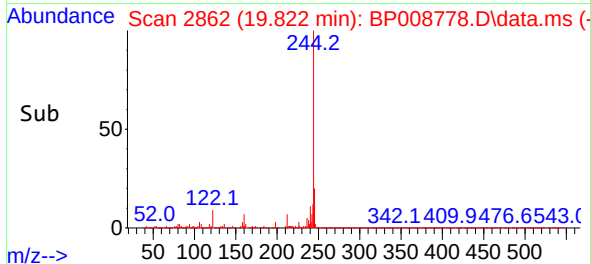
Instrument :
 BNA_P
 ClientSampleId :
 TP-1S



Tgt Ion:244 Resp: 7080980
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.5 9.7
 122 8.7 9.2 13.8

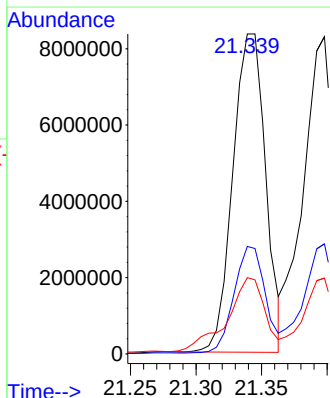
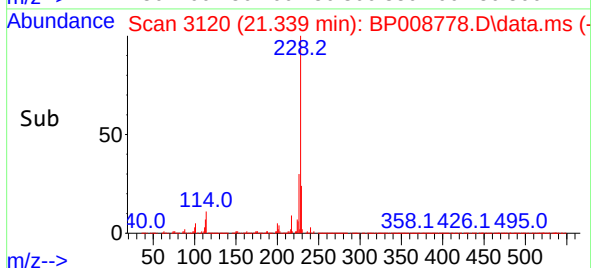
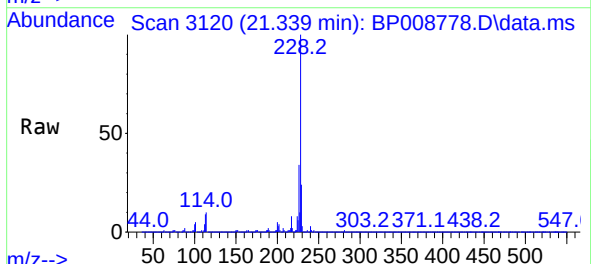
Manual Integrations
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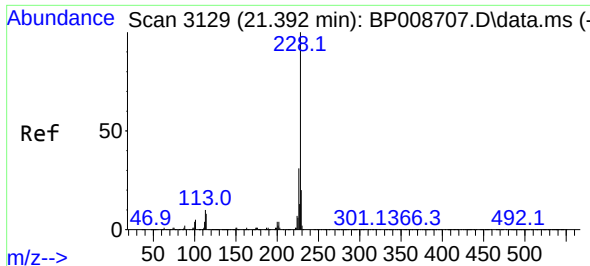
Reviewed By :Christian Giraldo 01/13/2022
 Supervised By :Jagrut Upadhyay 01/13/2022



#81
 Benzo(a)anthracene
 Concen: 93.174 ng
 RT: 21.339 min Scan# 3120
 Delta R.T. 0.006 min
 Lab File: BP008778.D
 Acq: 12 Jan 2022 17:27

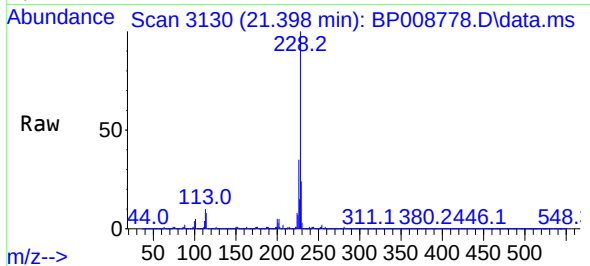
Tgt Ion:228 Resp:14495302
 Ion Ratio Lower Upper
 228 100
 226 33.6 23.3 34.9
 229 23.8 17.0 25.6





#83
Chrysene
Concen: 89.941 ng
RT: 21.398 min Scan# 3129
Delta R.T. 0.012 min
Lab File: BP008778.D
Acq: 12 Jan 2022 17:27

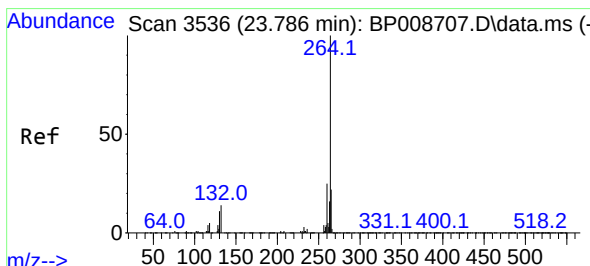
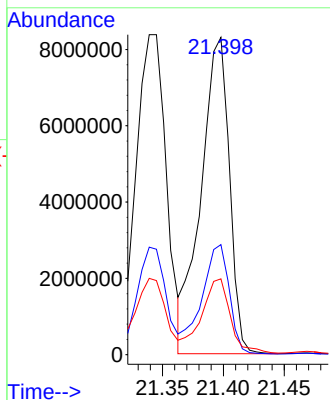
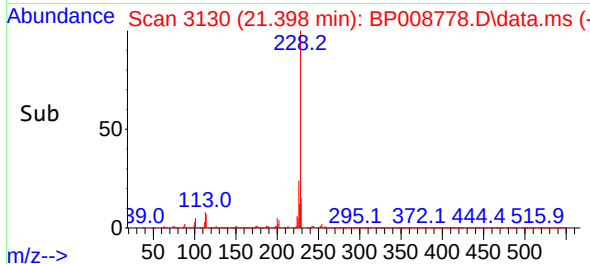
Instrument :
BNA_P
ClientSampleId :
TP-1S



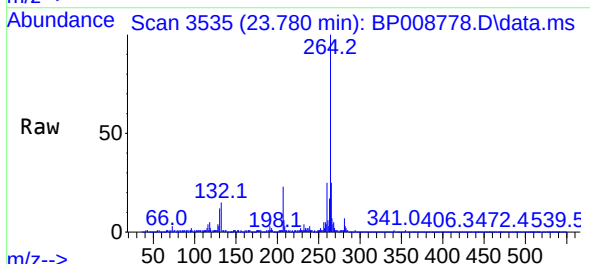
Tgt Ion:228 Resp:13497784
Ion Ratio Lower Upper
228 100
226 34.7 26.0 39.0
229 23.9 16.9 25.3

Manual Integrations
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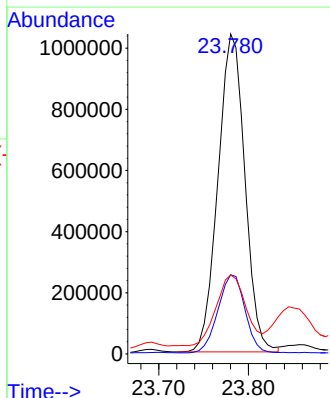
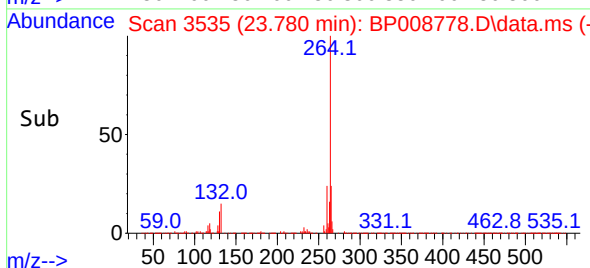
Reviewed By :Christian Giraldo 01/13/2022
Supervised By :Jagrut Upadhyay 01/13/2022

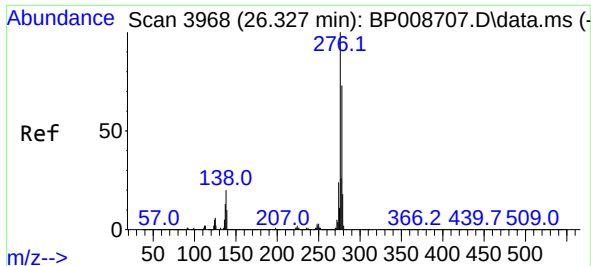


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.780 min Scan# 3535
Delta R.T. 0.012 min
Lab File: BP008778.D
Acq: 12 Jan 2022 17:27



Tgt Ion:264 Resp: 2159109
Ion Ratio Lower Upper
264 100
260 24.8 19.1 28.7
265 24.7 17.1 25.7





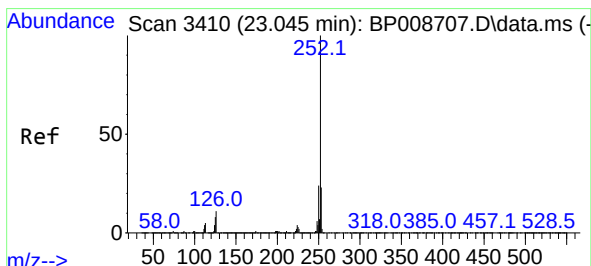
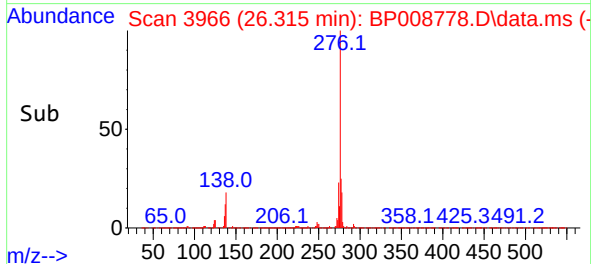
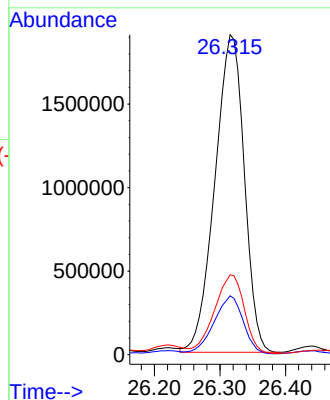
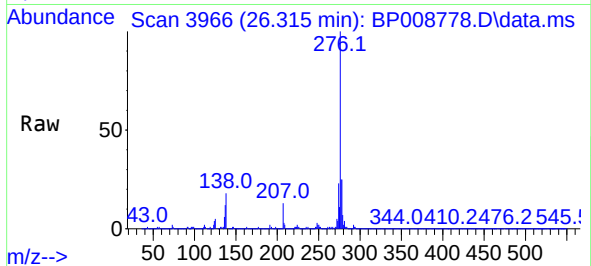
#87
Indeno(1,2,3-cd)pyrene
Concen: 34.265 ng
RT: 26.315 min Scan# 3966
Delta R.T. 0.017 min
Lab File: BP008778.D
Acq: 12 Jan 2022 17:27

Instrument :
BNA_P
ClientSampleId :
TP-1S

Tgt Ion:276 Resp: 5911598
Ion Ratio Lower Upper
276 100
138 18.0 17.8 26.6
277 25.2 20.4 30.6

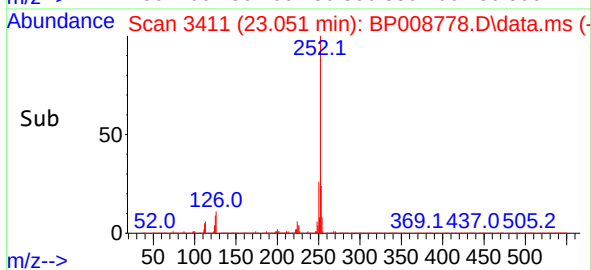
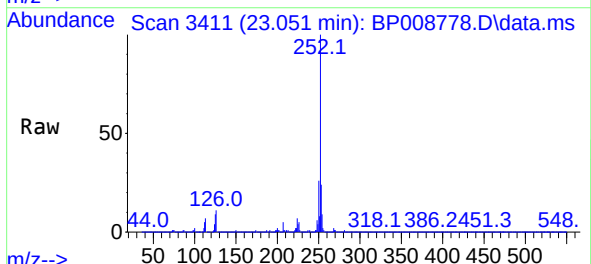
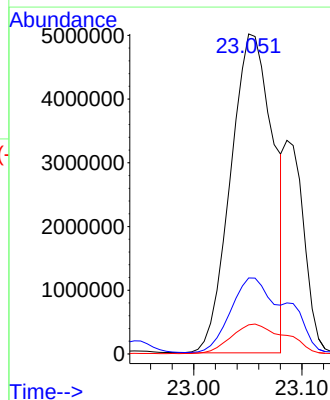
Manual Integrations
APPROVED

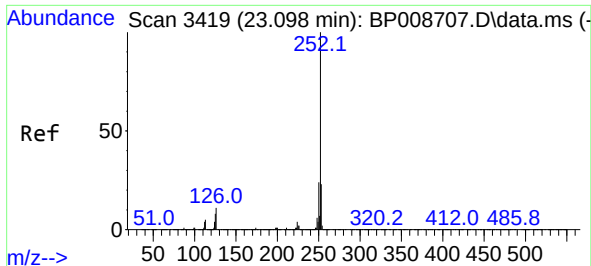
Reviewed By :Christian Giraldo 01/13/2022
Supervised By :Jagrut Upadhyay 01/13/2022



#88
Benzo(b)fluoranthene
Concen: 97.193 ng m
RT: 23.051 min Scan# 3411
Delta R.T. 0.023 min
Lab File: BP008778.D
Acq: 12 Jan 2022 17:27

Tgt Ion:252 Resp:13711458
Ion Ratio Lower Upper
252 100
253 23.7 18.0 27.0
125 9.1 6.9 10.3





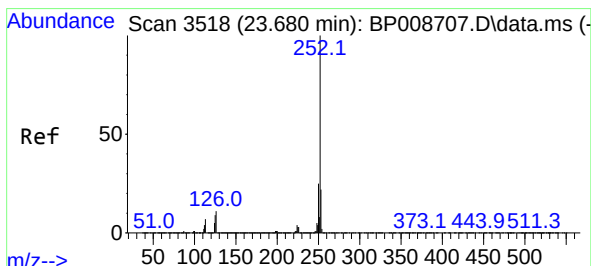
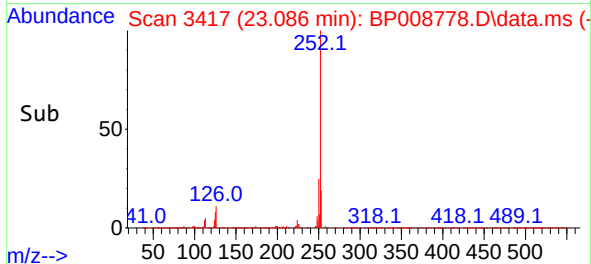
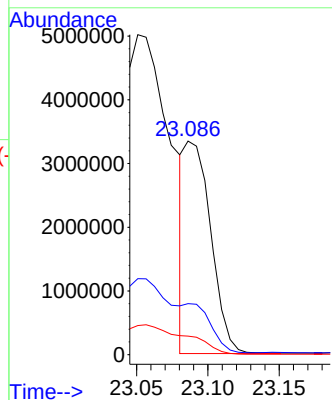
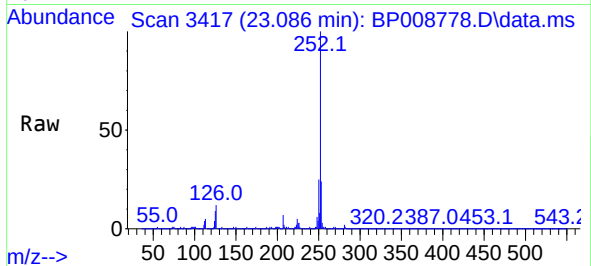
#89
Benzo(k)fluoranthene
Concen: 31.868 ng m
RT: 23.086 min Scan# 3419
Delta R.T. 0.006 min
Lab File: BP008778.D
Acq: 12 Jan 2022 17:27

Instrument :
BNA_P
ClientSampleId :
TP-1S

Tgt Ion:252 Resp: 4207511
Ion Ratio Lower Upper
252 100
253 23.9 18.2 27.2
125 8.7 7.3 10.9

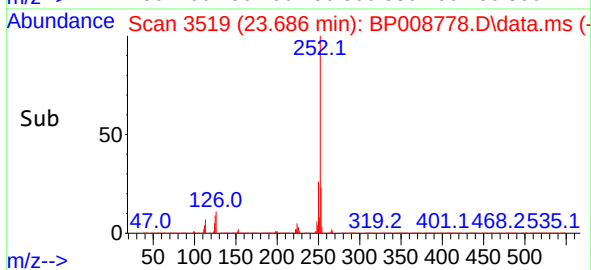
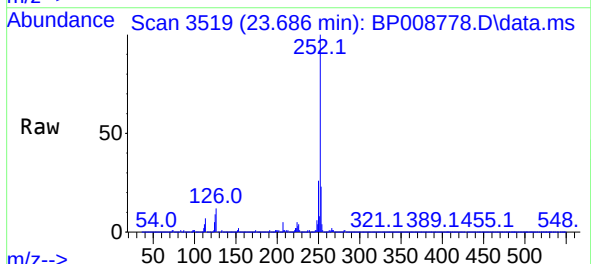
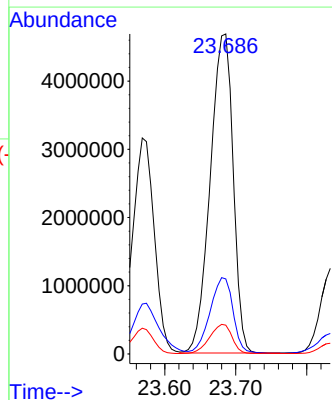
Manual Integrations
APPROVED

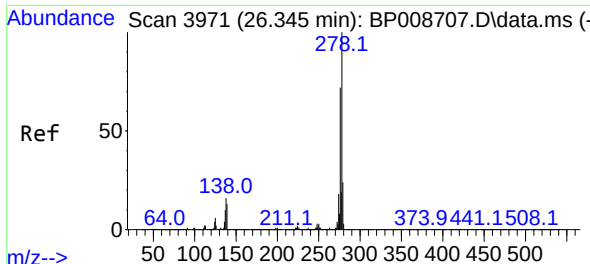
Reviewed By :Christian Giraldo 01/13/2022
Supervised By :Jagrut Upadhyay 01/13/2022



#90
Benzo(a)pyrene
Concen: 76.761 ng
RT: 23.686 min Scan# 3519
Delta R.T. 0.023 min
Lab File: BP008778.D
Acq: 12 Jan 2022 17:27

Tgt Ion:252 Resp:10466611
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 9.0 7.8 11.6





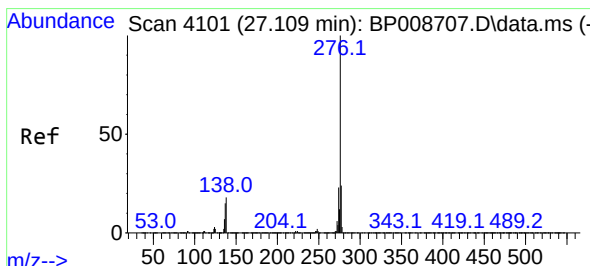
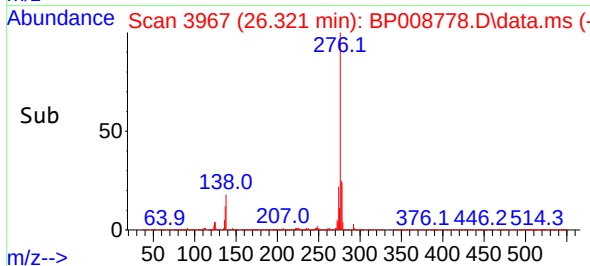
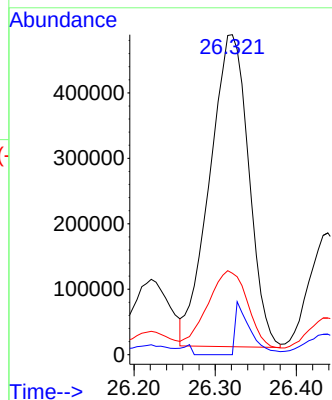
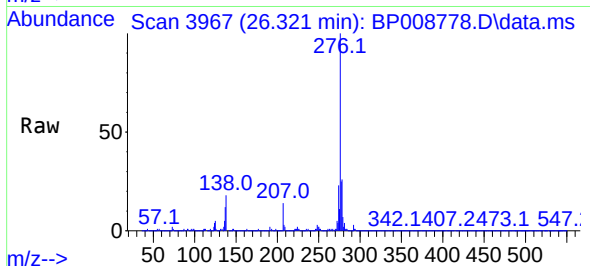
#91
Dibenzo(a,h)anthracene
Concen: 10.940 ng
RT: 26.321 min Scan# 3971
Delta R.T. 0.006 min
Lab File: BP008778.D
Acq: 12 Jan 2022 17:27

Instrument :
BNA_P
ClientSampleId :
TP-1S

Tgt Ion:278 Resp: 159484
Ion Ratio Lower Upper
278 100
139 0.0 11.5 17.3
279 25.5 19.1 28.7

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/13/2022
Supervised By :Jagrut Upadhyay 01/13/2022



#92
Benzo(g,h,i)perylene
Concen: 38.314 ng
RT: 27.104 min Scan# 4100
Delta R.T. 0.029 min
Lab File: BP008778.D
Acq: 12 Jan 2022 17:27

Tgt Ion:276 Resp: 5544101
Ion Ratio Lower Upper
276 100
277 24.1 19.2 28.8
138 17.7 15.0 22.4

