

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011222\
 Data File : BP008783.D
 Acq On : 12 Jan 2022 20:13
 Operator : CG/JU
 Sample : N1097-13 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-3S

Quant Time: Jan 13 07:01:36 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	400022	20.000	ng	0.00
21) Naphthalene-d8	10.669	136	1698860	20.000	ng	0.00
39) Acenaphthene-d10	14.504	164	1224609	20.000	ng	0.00
64) Phenanthrene-d10	17.263	188	2761908	20.000	ng	0.00
76) Chrysene-d12	21.357	240	2474252	20.000	ng	0.01
86) Perylene-d12	23.786	264	2342765	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	1032676	40.426	ng	0.00
7) Phenol-d6	7.040	99	1340067	39.078	ng	0.00
23) Nitrobenzene-d5	9.022	82	815514	27.186	ng	0.00
42) 2,4,6-Tribromophenol	15.998	330	756799	36.630	ng	0.00
45) 2-Fluorobiphenyl	13.128	172	2199204	25.248	ng	0.00
79) Terphenyl-d14	19.821	244	3606441	29.703	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.716	128	290479	3.162	ng	99
38) 1-Methylnaphthalene	12.545	142	160305	2.388	ng	99
49) Acenaphthylene	14.228	152	622673	5.349	ng	99
52) Acenaphthene	14.569	154	387181	5.554	ng	100
55) Dibenzofuran	14.904	168	332997	2.896	ng	# 95
58) Fluorene	15.551	166	503177	5.437	ng	99
71) Phenanthrene	17.304	178	9895561	64.485	ng	98
72) Anthracene	17.392	178	2244537	14.323	ng	99
73) Carbazole	17.663	167	837377	5.830	ng	99
75) Fluoranthene	19.274	202	13259157	72.157	ng	96
78) Pyrene	19.627	202	14191954	87.722	ng	94
80) Butylbenzylphthalate	20.498	149	288609	4.363	ng	98
81) Benzo(a)anthracene	21.339	228	8034402	49.497	ng	98
83) Chrysene	21.392	228	7611177	48.607	ng	99
87) Indeno(1,2,3-cd)pyrene	26.321	276	3597357	19.217	ng	96
88) Benzo(b)fluoranthene	23.051	252	7799129m	50.950	ng	
89) Benzo(k)fluoranthene	23.092	252	2315152m	16.161	ng	
90) Benzo(a)pyrene	23.680	252	5777363	39.049	ng	98
91) Dibenzo(a,h)anthracene	26.327	278	1045096	6.607	ng	# 92
92) Benzo(g,h,i)perylene	27.109	276	3542747	22.564	ng	99

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

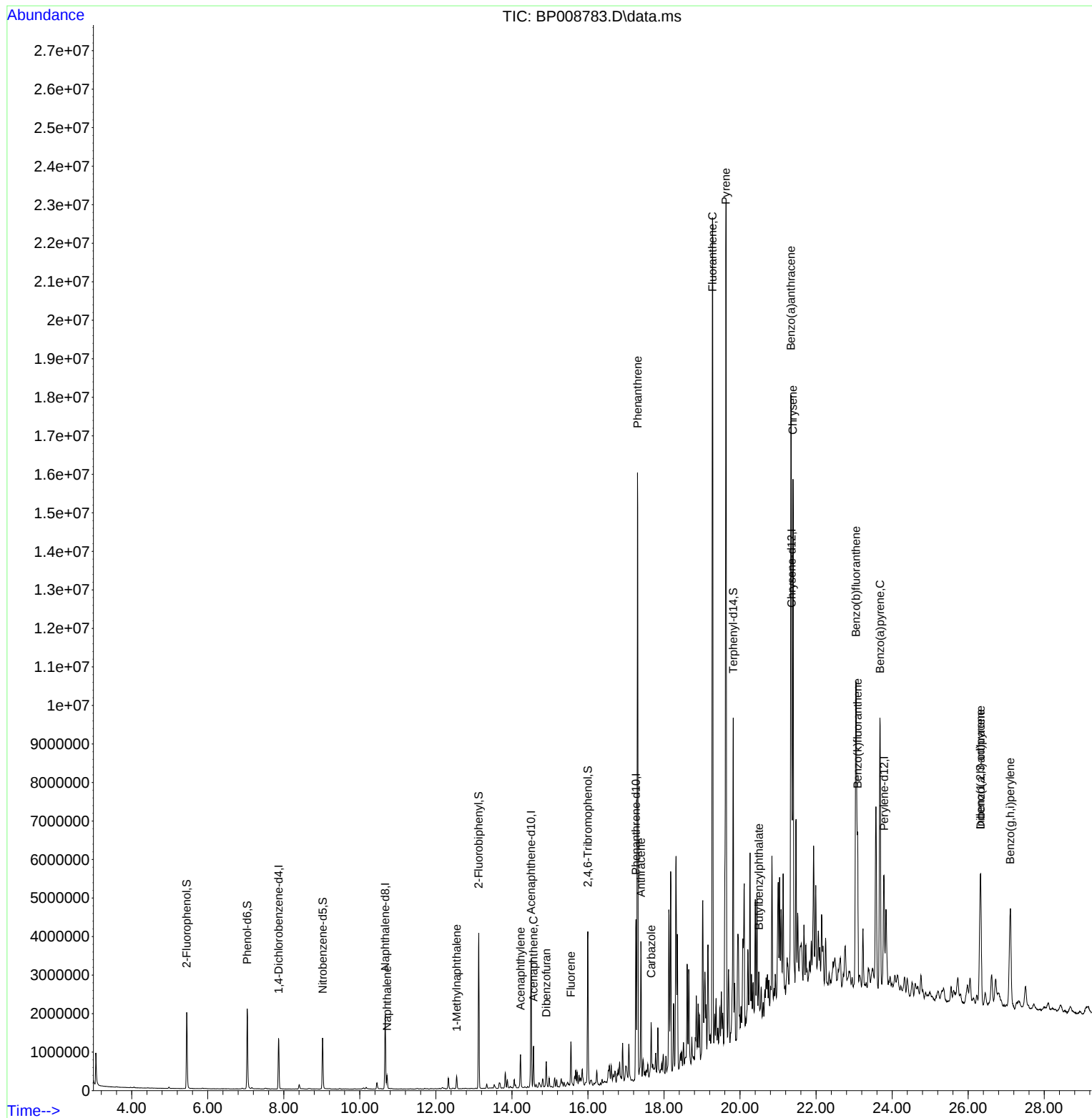
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011222\
Data File : BP008783.D
Acq On : 12 Jan 2022 20:13
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Misc :
ALS Vial : 15 Sample Multiplier: 1

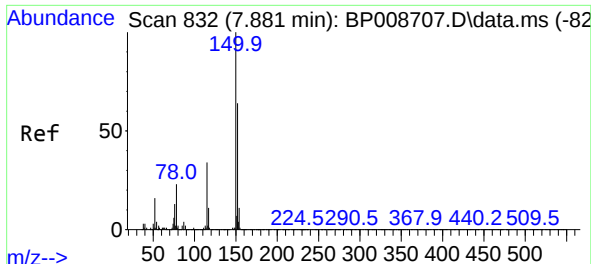
Instrument :
BNA_P
ClientSampleId :
TP-3S

Quant Time: Jan 13 07:01:36 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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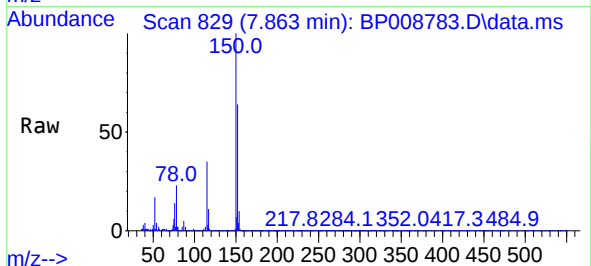
Reviewed By :Christian Giraldo 01/13/2022
Supervised By :Jagrut Upadhyay 01/13/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.863 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP008783.D
Acq: 12 Jan 2022 20:13

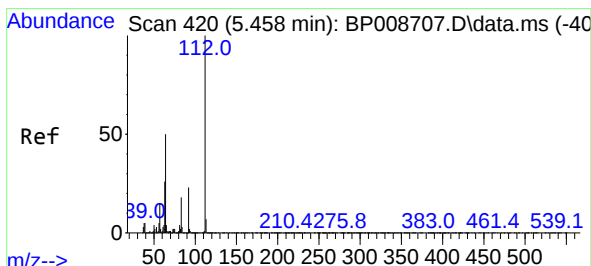
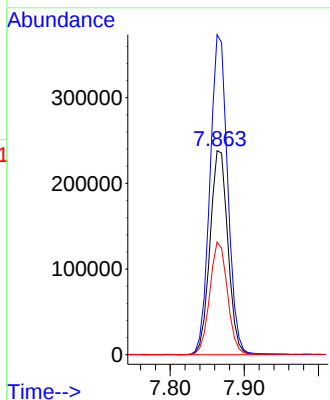
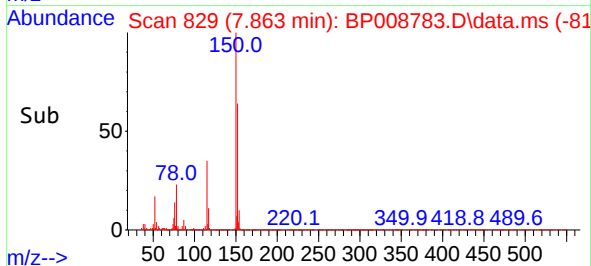
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BNA_P
ClientSampleId :
TP-3S



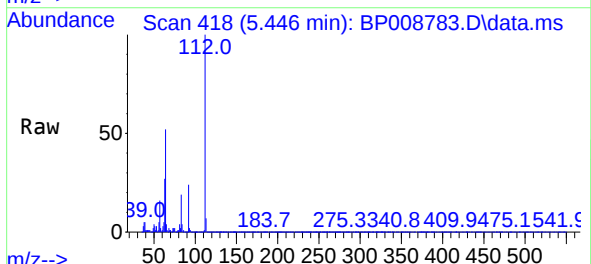
Tgt Ion:152 Resp: 40002
Ion Ratio Lower Upper
152 100
150 156.9 127.0 190.6
115 55.3 43.7 65.5

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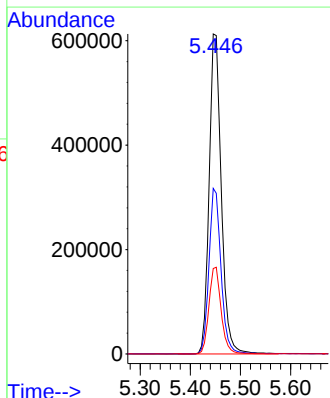
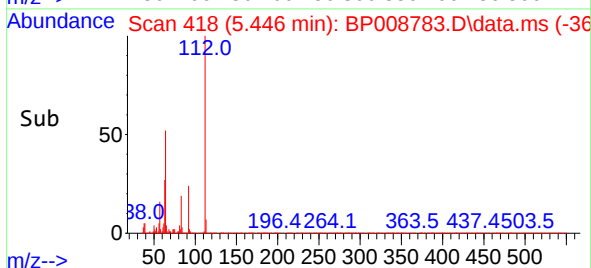
Reviewed By :Christian Giraldo 01/13/2022
Supervised By :Jagrut Upadhyay 01/13/2022

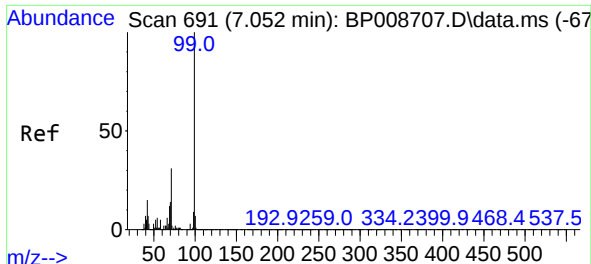


#5
2-Fluorophenol
Concen: 40.426 ng
RT: 5.446 min Scan# 418
Delta R.T. -0.000 min
Lab File: BP008783.D
Acq: 12 Jan 2022 20:13



Tgt Ion:112 Resp: 1032676
Ion Ratio Lower Upper
112 100
64 51.8 39.7 59.5
63 26.7 20.0 30.0





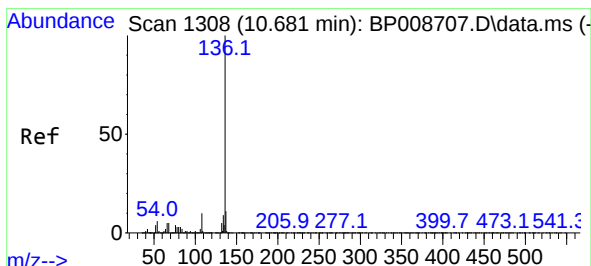
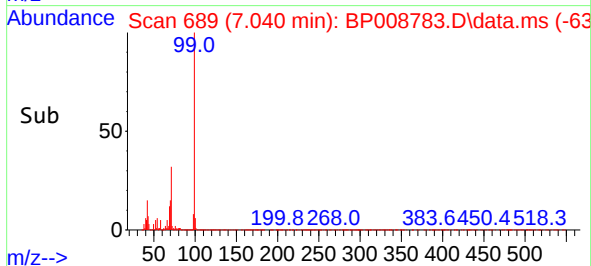
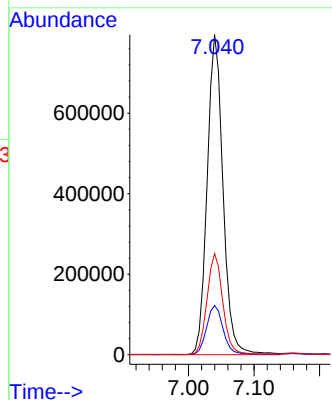
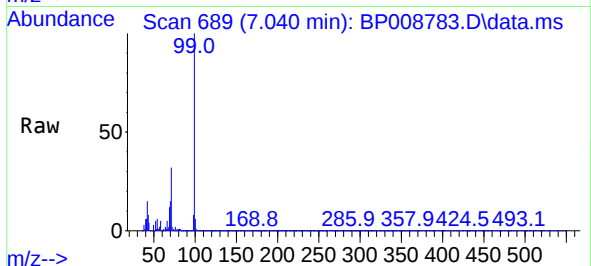
#7
Phenol-d6
Concen: 39.078 ng
RT: 7.040 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP008783.D
Acq: 12 Jan 2022 20:13

Instrument :
BNA_P
ClientSampleId :
TP-3S

Tgt Ion: 99 Resp: 134006
Ion Ratio Lower Upper
99 100
42 15.4 10.8 16.2
71 31.6 23.8 35.6

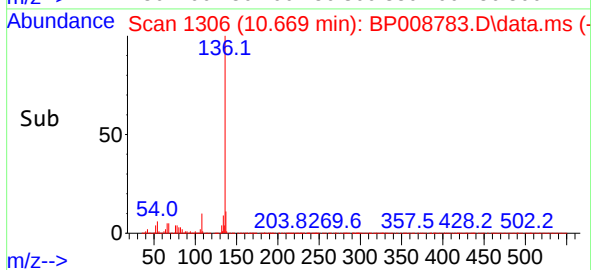
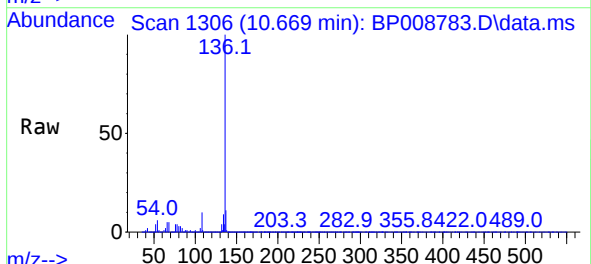
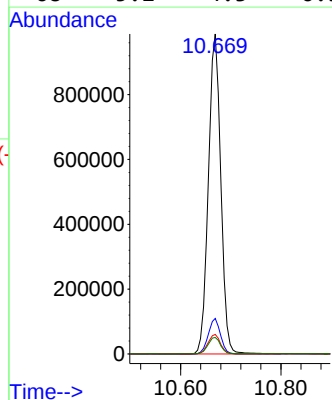
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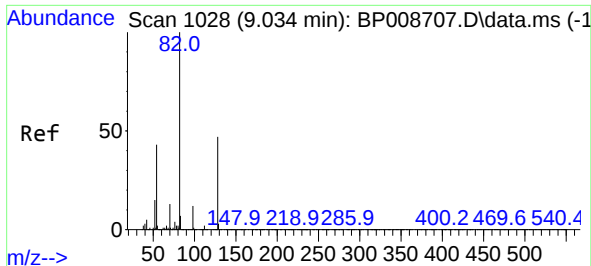
Reviewed By :Christian Giraldo 01/13/2022
Supervised By :Jagrut Upadhyay 01/13/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.669 min Scan# 1306
Delta R.T. -0.000 min
Lab File: BP008783.D
Acq: 12 Jan 2022 20:13

Tgt Ion:136 Resp: 1698860
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 6.1 4.9 7.3
68 5.2 4.3 6.5





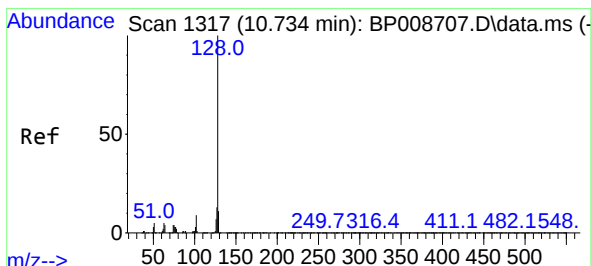
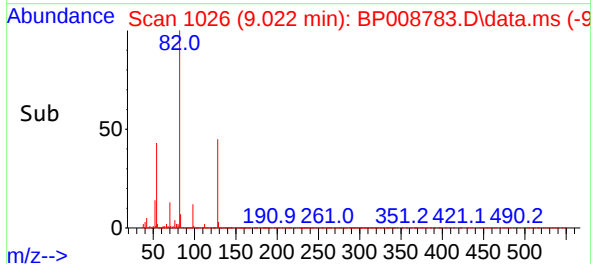
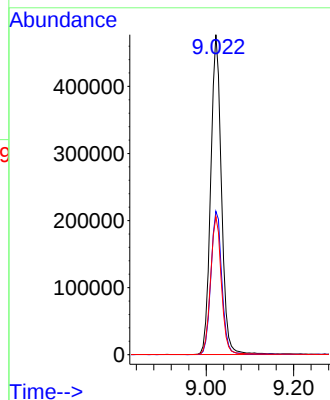
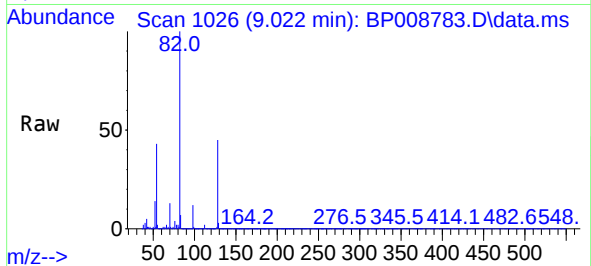
#23
Nitrobenzene-d5
Concen: 27.186 ng
RT: 9.022 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BP008783.D
Acq: 12 Jan 2022 20:13

Instrument :
BNA_P
ClientSampleId :
TP-3S

Tgt Ion: 82 Resp: 815514
Ion Ratio Lower Upper
82 100
128 44.8 39.4 59.2
54 43.2 32.6 48.8

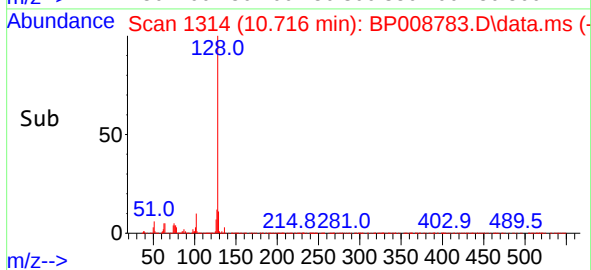
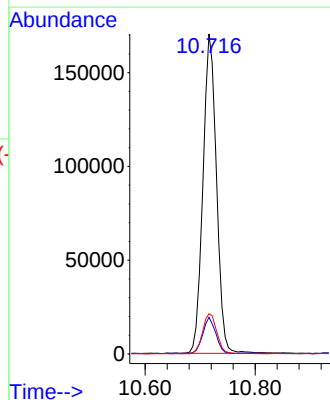
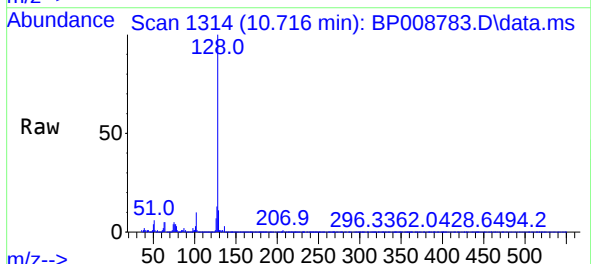
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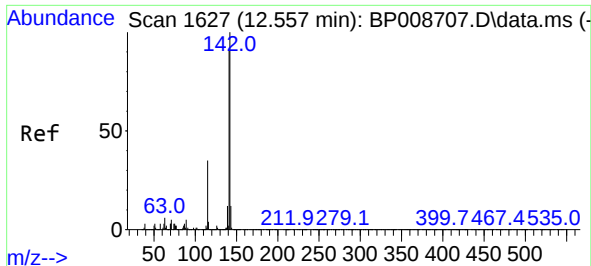
Reviewed By :Christian Giraldo 01/13/2022
Supervised By :Jagrut Upadhyay 01/13/2022



#31
Naphthalene
Concen: 3.162 ng
RT: 10.716 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BP008783.D
Acq: 12 Jan 2022 20:13

Tgt Ion:128 Resp: 290479
Ion Ratio Lower Upper
128 100
129 11.5 8.8 13.2
127 12.6 10.4 15.6





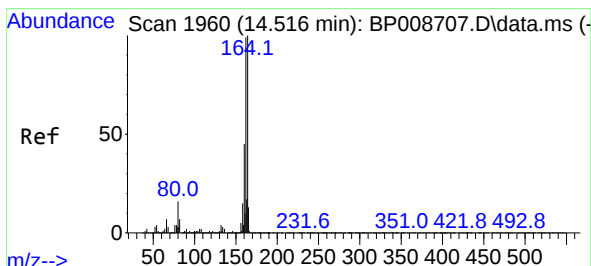
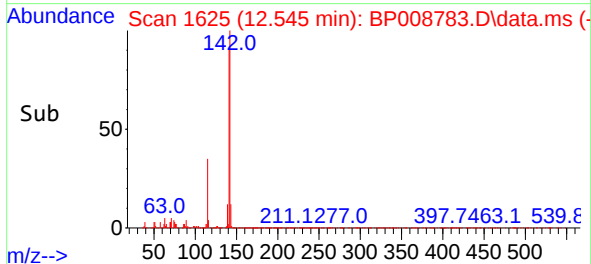
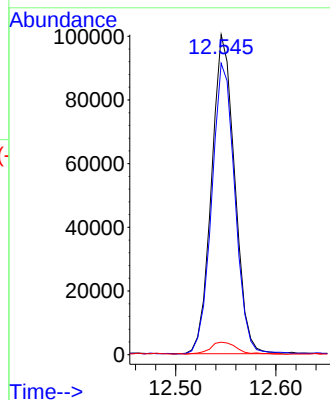
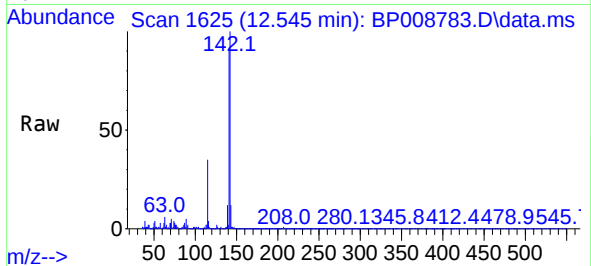
#38
1-Methylnaphthalene
Concen: 2.388 ng
RT: 12.545 min Scan# 1625
Delta R.T. -0.006 min
Lab File: BP008783.D
Acq: 12 Jan 2022 20:13

Instrument :
BNA_P
ClientSampleId :
TP-3S

Tgt Ion:142 Resp: 16030
Ion Ratio Lower Upper
142 100
141 91.0 73.2 109.8
116 3.9 2.7 4.1

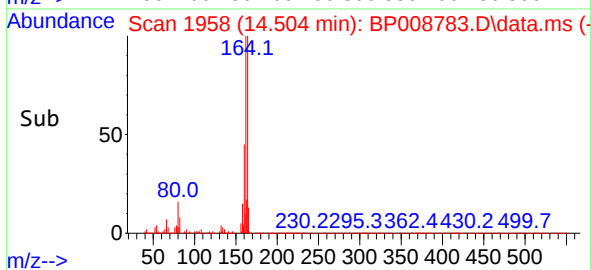
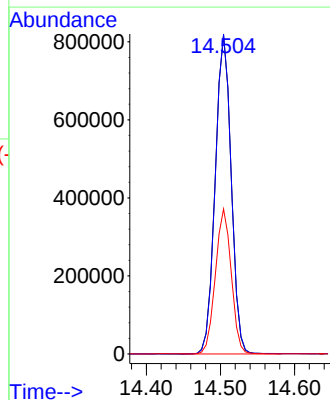
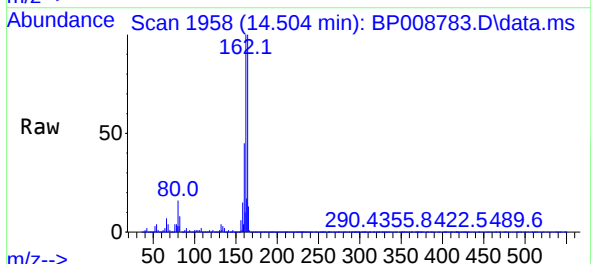
Manual Integrations
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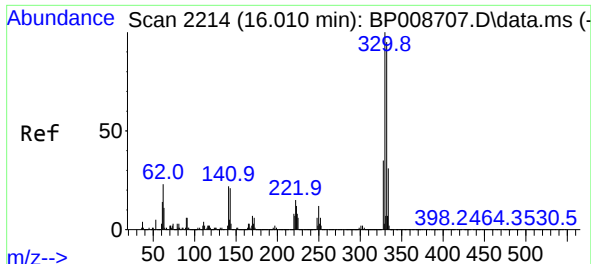
Reviewed By :Christian Giraldo 01/13/2022
Supervised By :Jagrut Upadhyay 01/13/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.504 min Scan# 1958
Delta R.T. -0.000 min
Lab File: BP008783.D
Acq: 12 Jan 2022 20:13

Tgt Ion:164 Resp: 1224609
Ion Ratio Lower Upper
164 100
162 100.4 79.9 119.9
160 45.5 35.5 53.3





#42
2,4,6-Tribromophenol
Concen: 36.630 ng
RT: 15.998 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP008783.D
Acq: 12 Jan 2022 20:13

Instrument :

BNA_P

ClientSampleId :

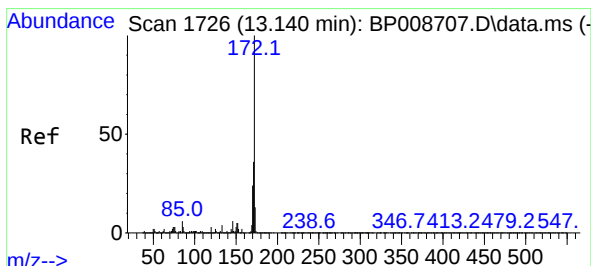
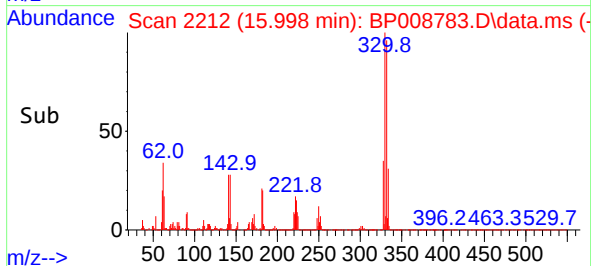
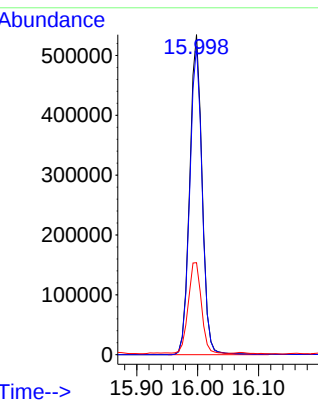
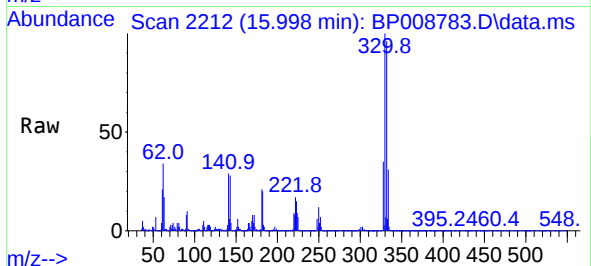
TP-3S

Tgt Ion:330 Resp: 756799
Ion Ratio Lower Upper
330 100
332 96.5 77.0 115.4
141 31.1 21.3 31.9

Manual Integrations

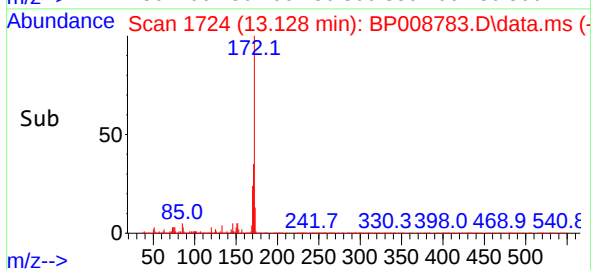
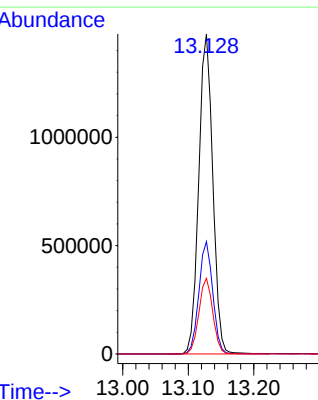
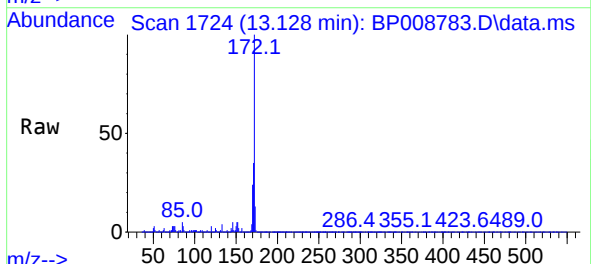
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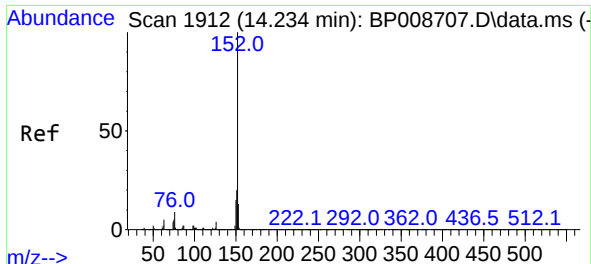
Reviewed By :Christian Giraldo 01/13/2022
Supervised By :Jagrut Upadhyay 01/13/2022



#45
2-Fluorobiphenyl
Concen: 25.248 ng
RT: 13.128 min Scan# 1724
Delta R.T. -0.006 min
Lab File: BP008783.D
Acq: 12 Jan 2022 20:13

Tgt Ion:172 Resp: 2199204
Ion Ratio Lower Upper
172 100
171 35.1 29.3 43.9
170 23.7 19.5 29.3





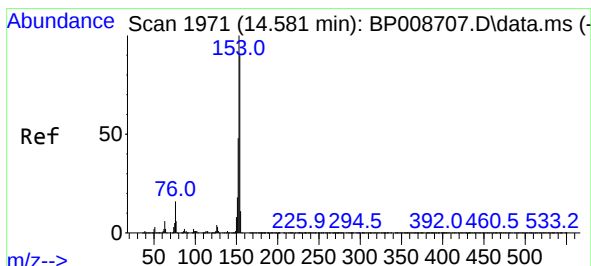
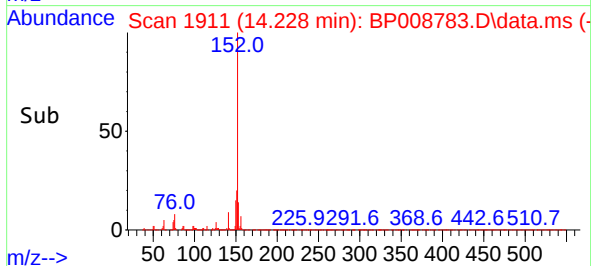
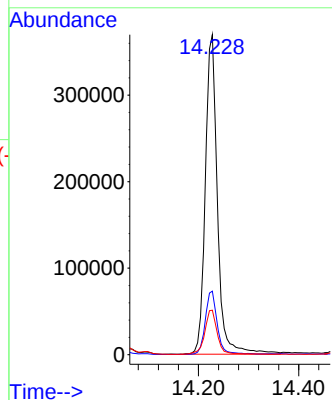
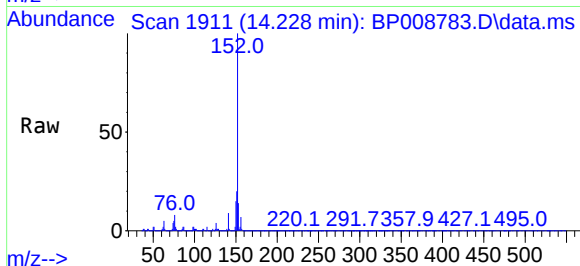
#49
Acenaphthylene
Concen: 5.349 ng
RT: 14.228 min Scan# 1911
Delta R.T. -0.000 min
Lab File: BP008783.D
Acq: 12 Jan 2022 20:13

Instrument :
BNA_P
ClientSampleId :
TP-3S

Tgt Ion:152 Resp: 62267
Ion Ratio Lower Upper
152 100
151 19.9 16.1 24.1
153 13.9 10.6 16.0

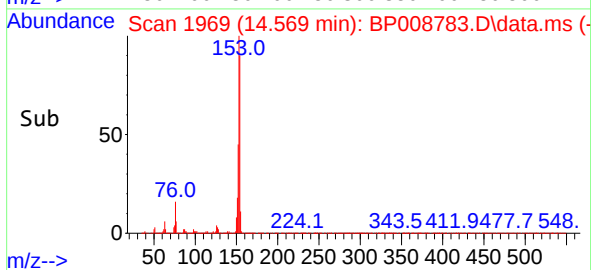
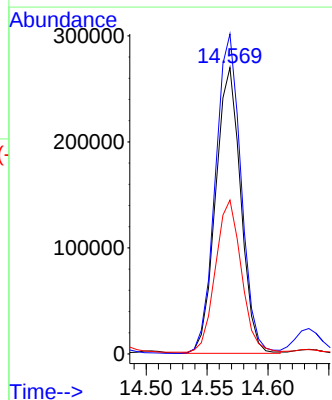
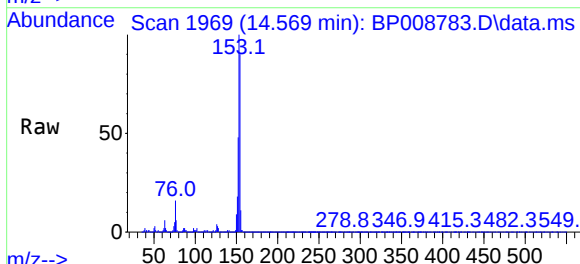
Manual Integrations
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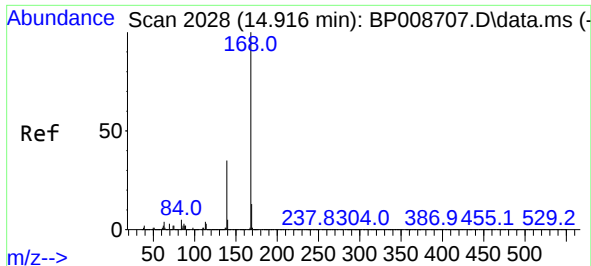
Reviewed By :Christian Giraldo 01/13/2022
Supervised By :Jagrut Upadhyay 01/13/2022



#52
Acenaphthene
Concen: 5.554 ng
RT: 14.569 min Scan# 1969
Delta R.T. -0.000 min
Lab File: BP008783.D
Acq: 12 Jan 2022 20:13

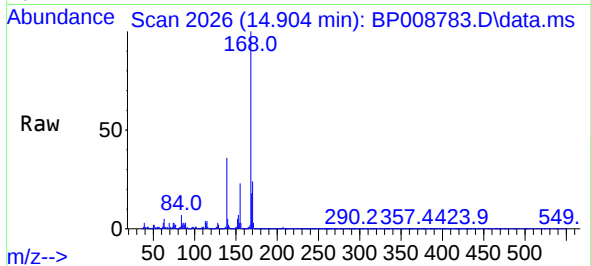
Tgt Ion:154 Resp: 387181
Ion Ratio Lower Upper
154 100
153 111.7 89.4 134.2
152 53.7 42.6 63.8





#55
Dibenzofuran
Concen: 2.896 ng
RT: 14.904 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BP008783.D
Acq: 12 Jan 2022 20:13

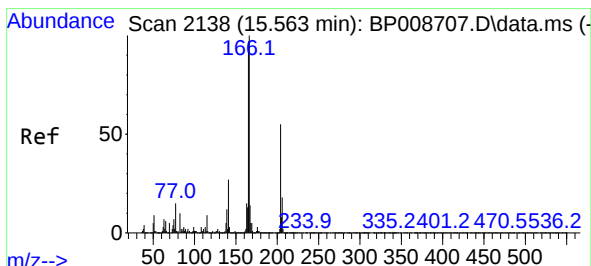
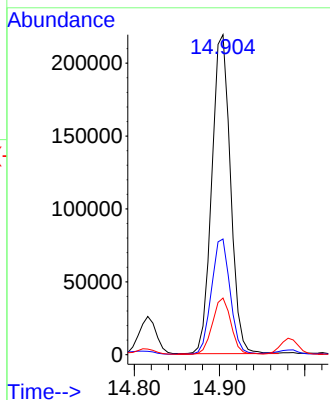
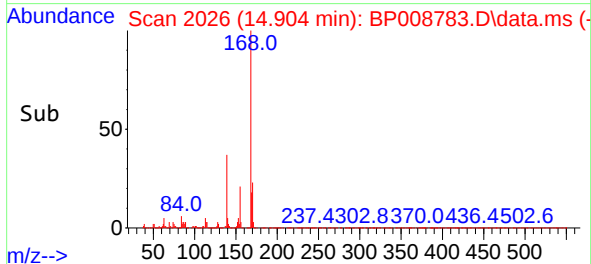
Instrument :
BNA_P
ClientSampleId :
TP-3S



Tgt Ion:168 Resp: 332997
Ion Ratio Lower Upper
168 100
139 36.2 27.4 41.0
169 17.7 10.9 16.3

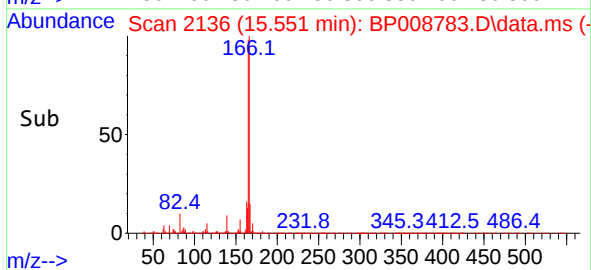
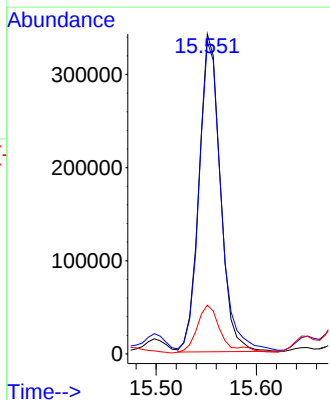
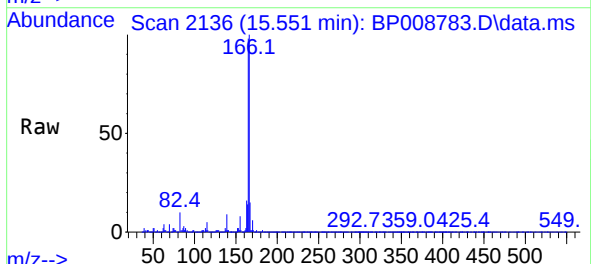
Manual Integrations
APPROVED

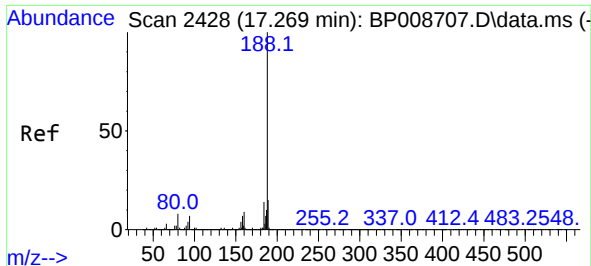
Reviewed By :Christian Giraldo 01/13/2022
Supervised By :Jagrut Upadhyay 01/13/2022



#58
Fluorene
Concen: 5.437 ng
RT: 15.551 min Scan# 2136
Delta R.T. -0.006 min
Lab File: BP008783.D
Acq: 12 Jan 2022 20:13

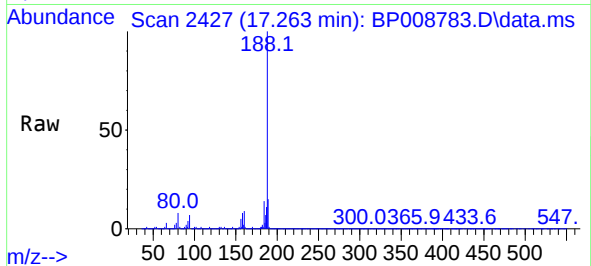
Tgt Ion:166 Resp: 503177
Ion Ratio Lower Upper
166 100
165 97.7 77.2 115.8
167 15.2 11.2 16.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.263 min Scan# 2427
Delta R.T. 0.006 min
Lab File: BP008783.D
Acq: 12 Jan 2022 20:13

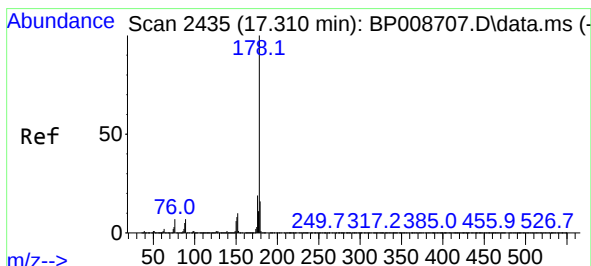
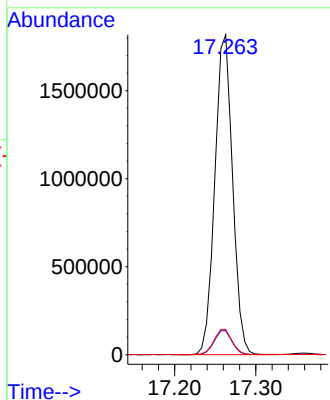
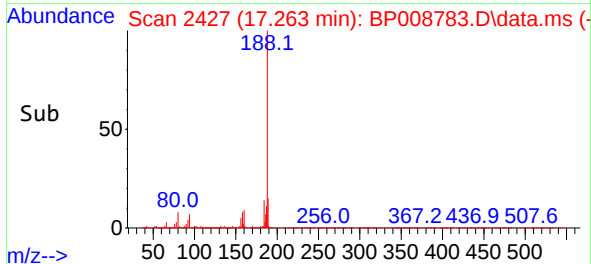
Instrument :
BNA_P
ClientSampleId :
TP-3S



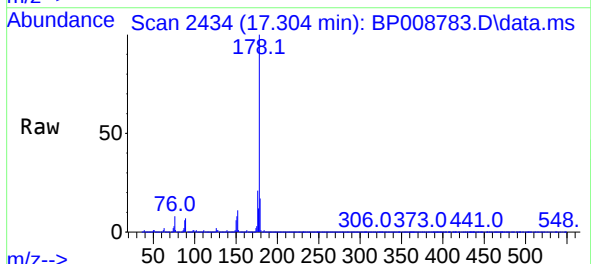
Tgt Ion:188 Resp: 2761908
Ion Ratio Lower Upper
188 100
94 7.5 6.8 10.2
80 7.9 7.2 10.8

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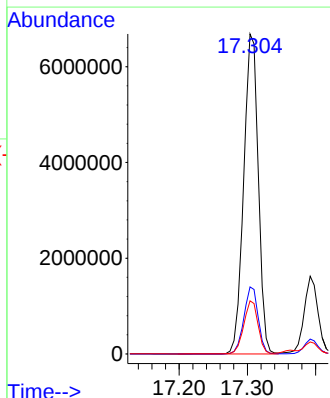
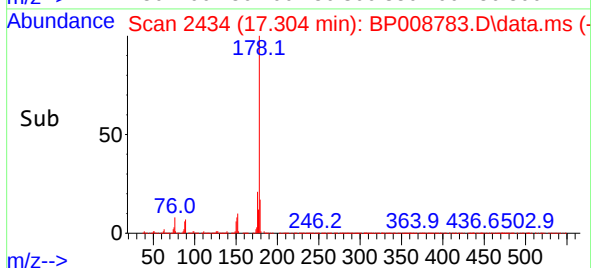
Reviewed By :Christian Giraldo 01/13/2022
Supervised By :Jagrut Upadhyay 01/13/2022

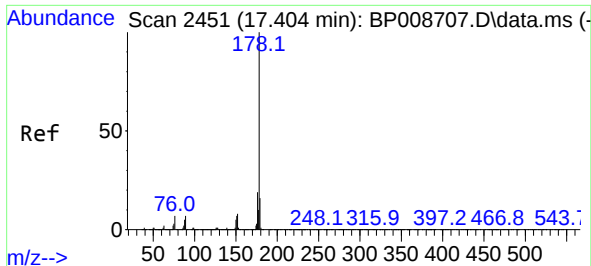


#71
Phenanthrene
Concen: 64.485 ng
RT: 17.304 min Scan# 2434
Delta R.T. 0.006 min
Lab File: BP008783.D
Acq: 12 Jan 2022 20:13



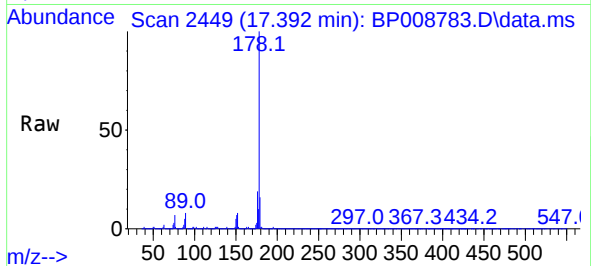
Tgt Ion:178 Resp: 9895561
Ion Ratio Lower Upper
178 100
176 20.9 16.0 24.0
179 16.6 13.0 19.4





#72
 Anthracene
 Concen: 14.323 ng
 RT: 17.392 min Scan# 2449
 Delta R.T. -0.000 min
 Lab File: BP008783.D
 Acq: 12 Jan 2022 20:13

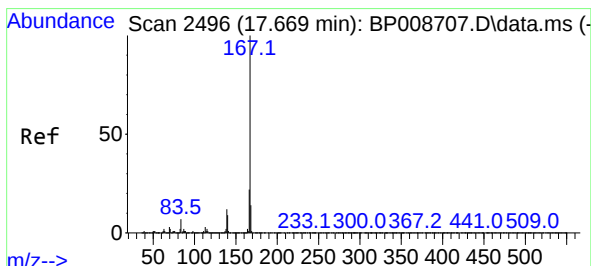
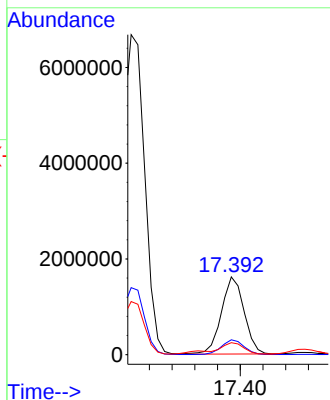
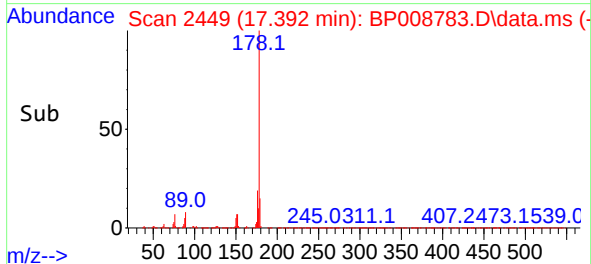
Instrument :
 BNA_P
 ClientSampleId :
 TP-3S



Tgt Ion:178 Resp: 224453
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.1 22.7
 179 15.6 12.8 19.2

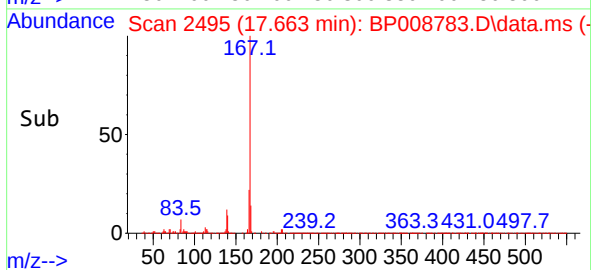
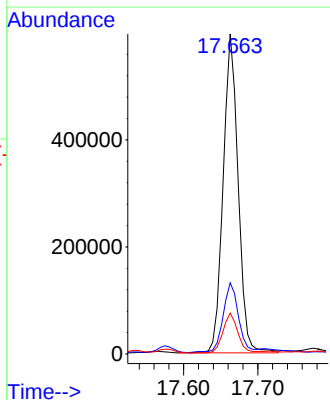
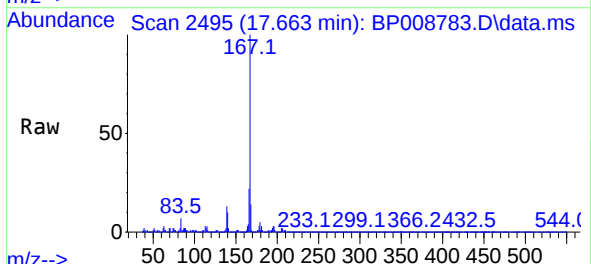
Manual Integrations
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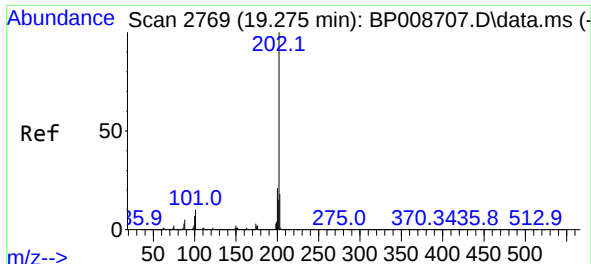
Reviewed By :Christian Giraldo 01/13/2022
 Supervised By :Jagrut Upadhyay 01/13/2022



#73
 Carbazole
 Concen: 5.830 ng
 RT: 17.663 min Scan# 2495
 Delta R.T. -0.000 min
 Lab File: BP008783.D
 Acq: 12 Jan 2022 20:13

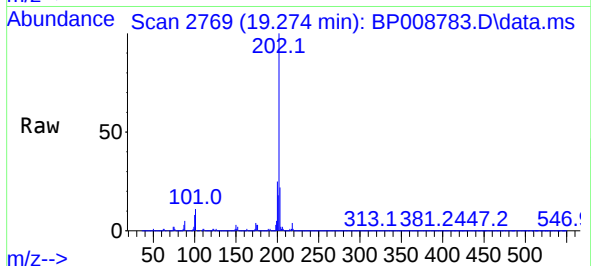
Tgt Ion:167 Resp: 837377
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.7 26.5
 139 12.8 9.8 14.6





#75
Fluoranthene
Concen: 72.157 ng
RT: 19.274 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP008783.D
Acq: 12 Jan 2022 20:13

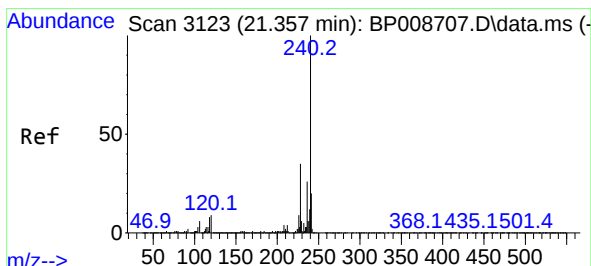
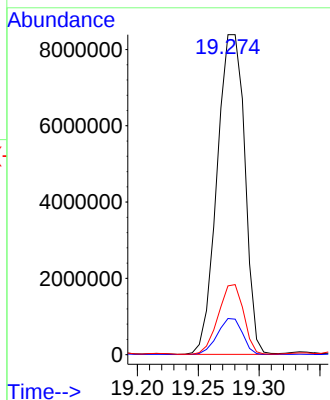
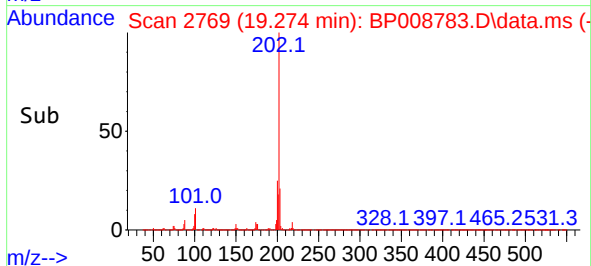
Instrument :
BNA_P
ClientSampleId :
TP-3S



Tgt Ion:202 Resp:1325915
Ion Ratio Lower Upper
202 100
101 11.3 0.0 30.7
203 21.5 0.0 38.9

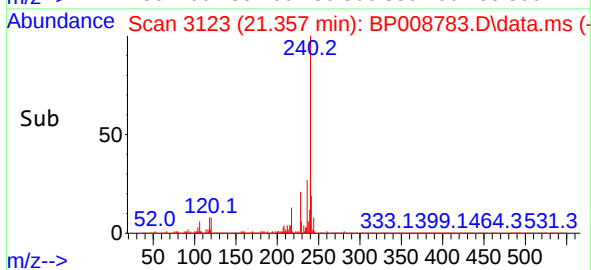
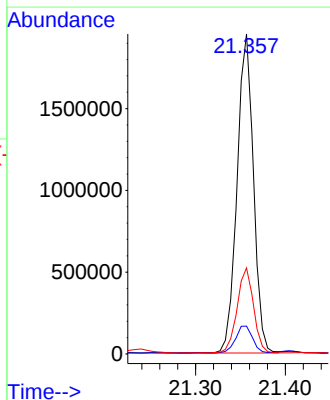
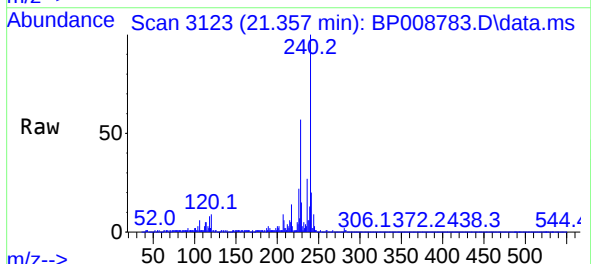
Manual Integrations
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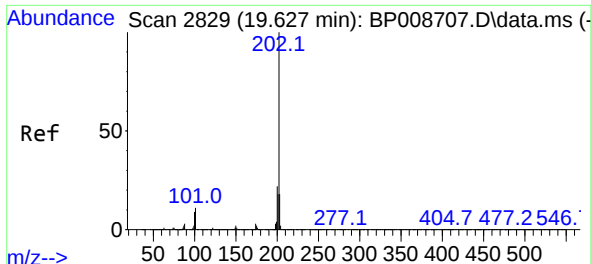
Reviewed By :Christian Giraldo 01/13/2022
Supervised By :Jagrut Upadhyay 01/13/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.357 min Scan# 3123
Delta R.T. 0.011 min
Lab File: BP008783.D
Acq: 12 Jan 2022 20:13

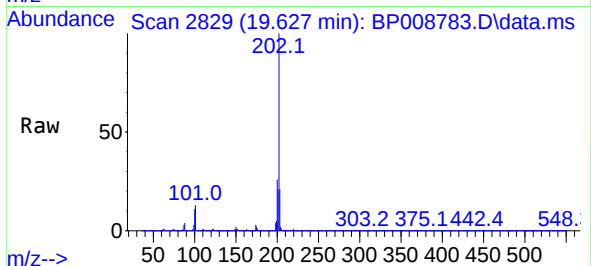
Tgt Ion:240 Resp: 2474252
Ion Ratio Lower Upper
240 100
120 8.7 7.7 11.5
236 26.9 21.2 31.8





#78
Pyrene
Concen: 87.722 ng
RT: 19.627 min Scan# 2829
Delta R.T. 0.006 min
Lab File: BP008783.D
Acq: 12 Jan 2022 20:13

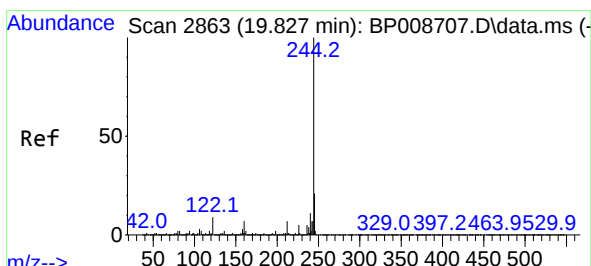
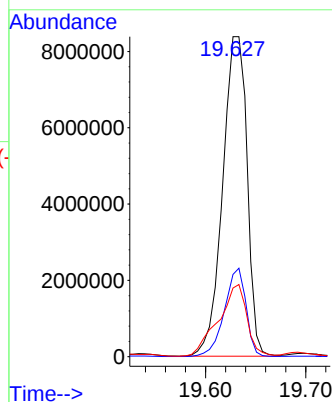
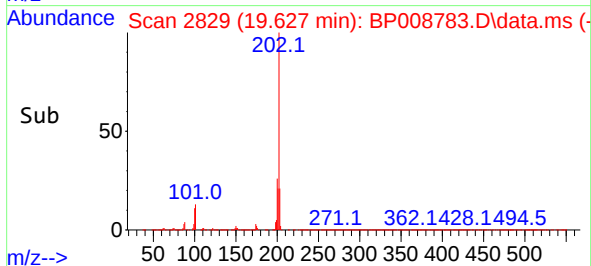
Instrument :
BNA_P
ClientSampleId :
TP-3S



Tgt Ion:202 Resp:14191954
Ion Ratio Lower Upper
202 100
200 25.7 18.0 27.0
203 21.4 15.0 22.6

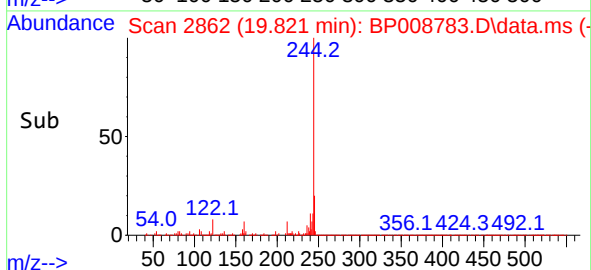
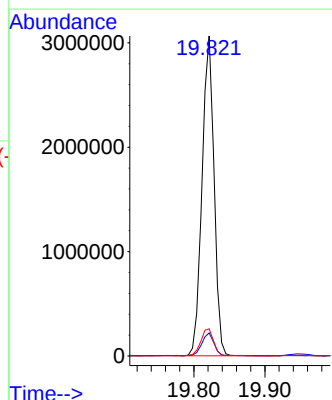
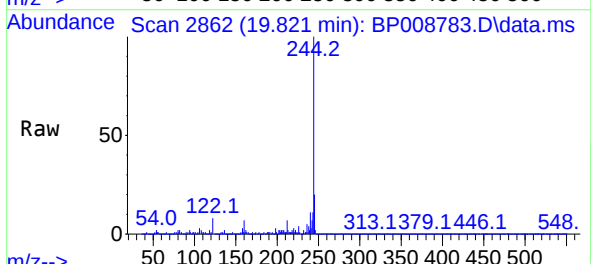
Manual Integrations
APPROVED

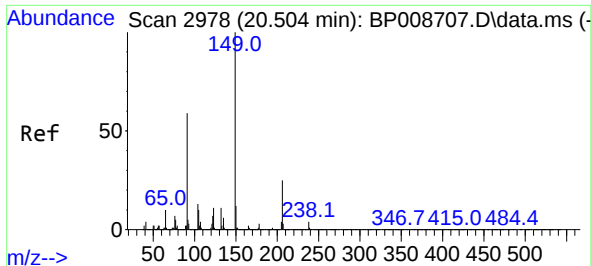
Reviewed By :Christian Giraldo 01/13/2022
Supervised By :Jagrut Upadhyay 01/13/2022



#79
Terphenyl-d14
Concen: 29.703 ng
RT: 19.821 min Scan# 2862
Delta R.T. 0.006 min
Lab File: BP008783.D
Acq: 12 Jan 2022 20:13

Tgt Ion:244 Resp: 3606441
Ion Ratio Lower Upper
244 100
212 7.2 6.5 9.7
122 8.5 9.2 13.8#





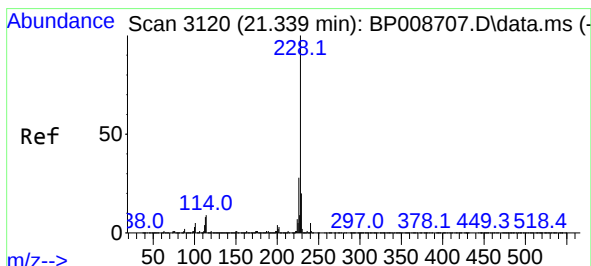
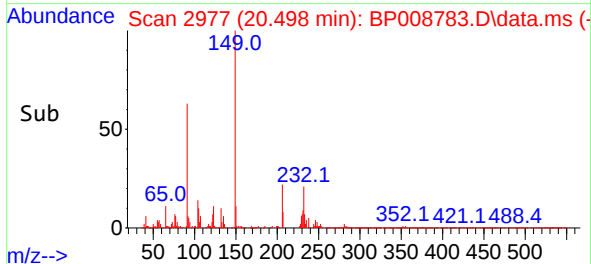
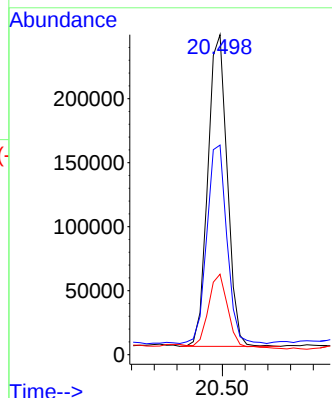
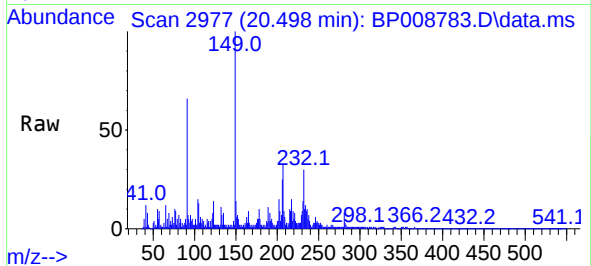
#80
Butylbenzylphthalate
Concen: 4.363 ng
RT: 20.498 min Scan# 2977
Delta R.T. 0.006 min
Lab File: BP008783.D
Acq: 12 Jan 2022 20:13

Instrument :
BNA_P
ClientSampleId :
TP-3S

Tgt Ion:149 Resp: 288609
Ion Ratio Lower Upper
149 100
91 65.5 50.6 76.0
206 25.2 19.7 29.5

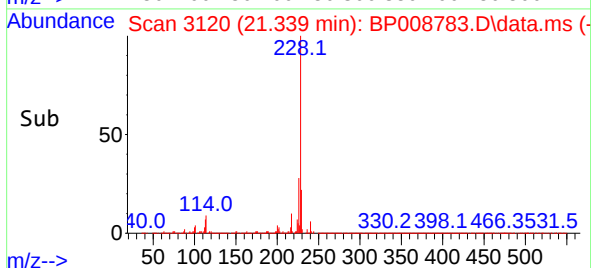
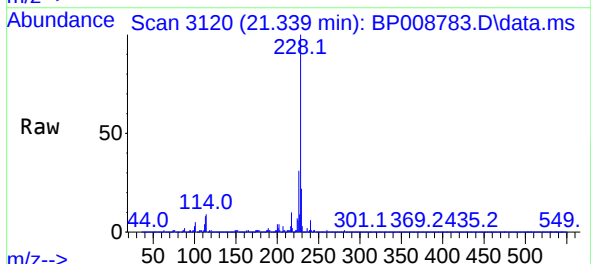
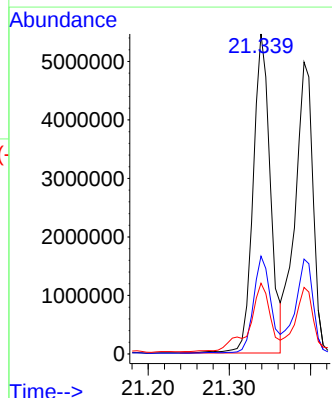
Manual Integrations
APPROVED

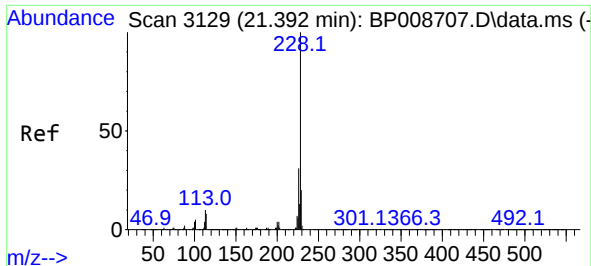
Reviewed By :Christian Giraldo 01/13/2022
Supervised By :Jagrut Upadhyay 01/13/2022



#81
Benzo(a)anthracene
Concen: 49.497 ng
RT: 21.339 min Scan# 3120
Delta R.T. 0.006 min
Lab File: BP008783.D
Acq: 12 Jan 2022 20:13

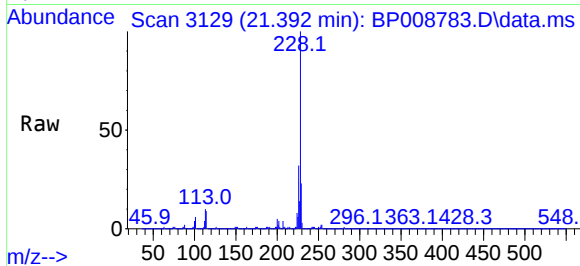
Tgt Ion:228 Resp: 8034402
Ion Ratio Lower Upper
228 100
226 30.6 23.3 34.9
229 22.1 17.0 25.6





#83
Chrysene
Concen: 48.607 ng
RT: 21.392 min Scan# 3129
Delta R.T. 0.006 min
Lab File: BP008783.D
Acq: 12 Jan 2022 20:13

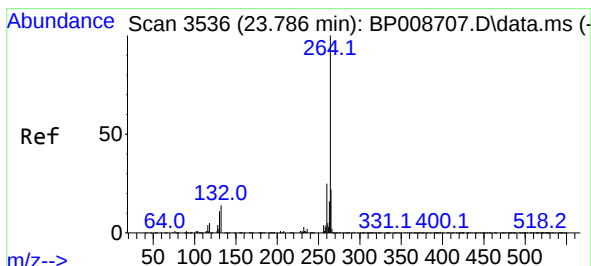
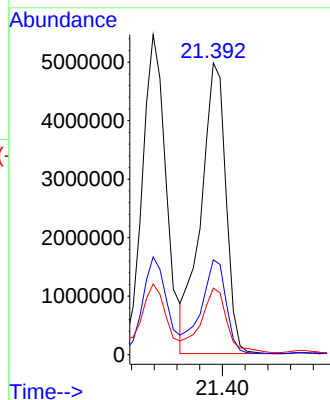
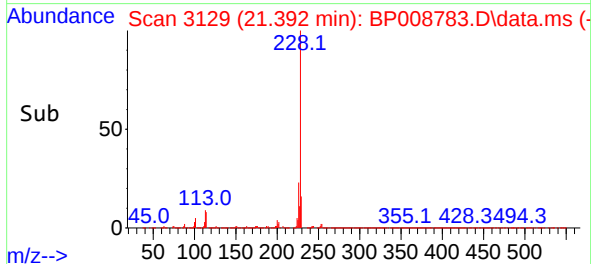
Instrument :
BNA_P
ClientSampleId :
TP-3S



Tgt Ion:228 Resp: 761117
Ion Ratio Lower Upper
228 100
226 32.5 26.0 39.0
229 22.8 16.9 25.3

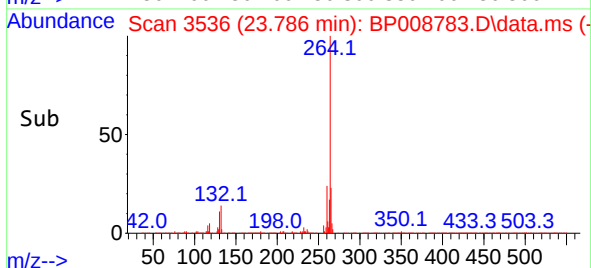
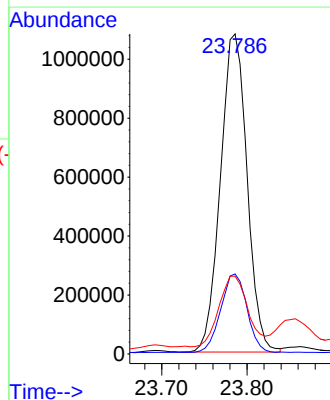
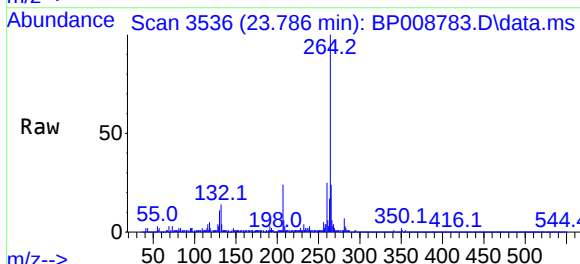
Manual Integrations
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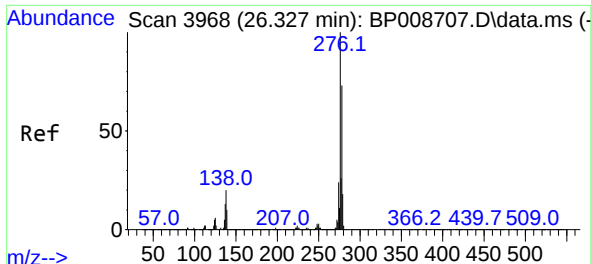
Reviewed By :Christian Giraldo 01/13/2022
Supervised By :Jagrut Upadhyay 01/13/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.786 min Scan# 3536
Delta R.T. 0.017 min
Lab File: BP008783.D
Acq: 12 Jan 2022 20:13

Tgt Ion:264 Resp: 2342765
Ion Ratio Lower Upper
264 100
260 25.0 19.1 28.7
265 24.3 17.1 25.7





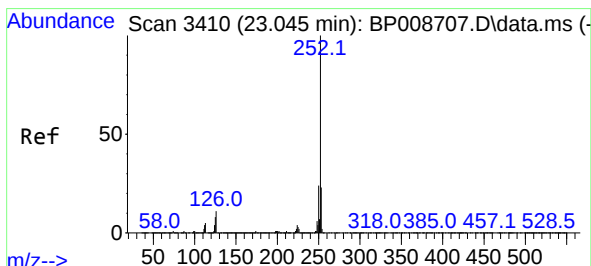
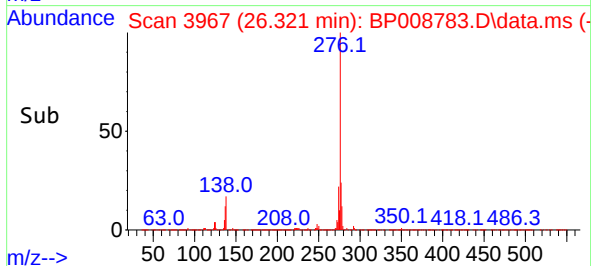
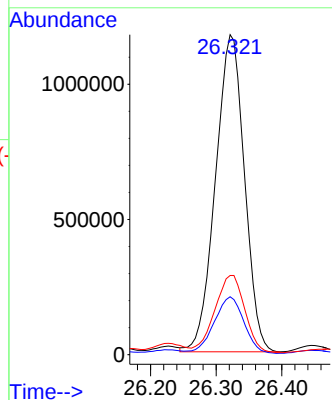
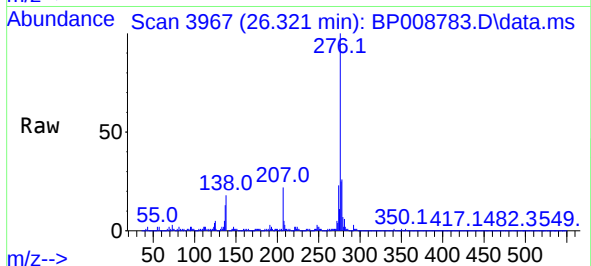
#87
Indeno(1,2,3-cd)pyrene
Concen: 19.217 ng
RT: 26.321 min Scan# 3968
Delta R.T. 0.023 min
Lab File: BP008783.D
Acq: 12 Jan 2022 20:13

Instrument :
BNA_P
ClientSampleId :
TP-3S

Tgt Ion:276 Resp: 359735
Ion Ratio Lower Upper
276 100
138 18.2 17.8 26.6
277 25.1 20.4 30.6

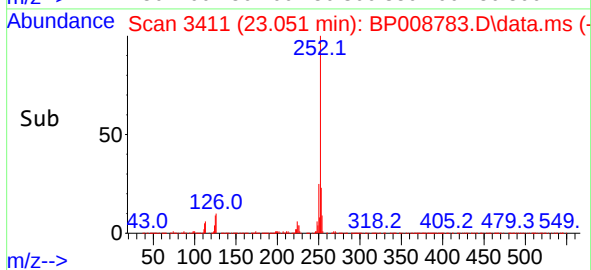
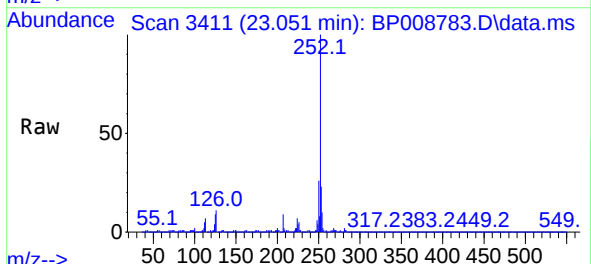
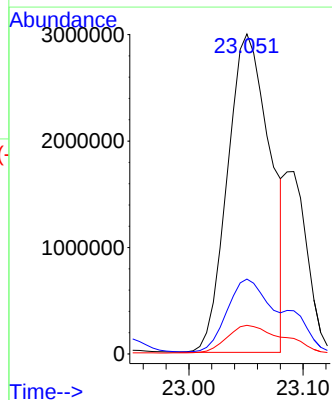
Manual Integrations
APPROVED

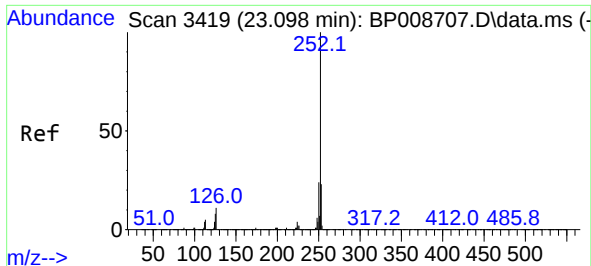
Reviewed By :Christian Giraldo 01/13/2022
Supervised By :Jagrut Upadhyay 01/13/2022



#88
Benzo(b)fluoranthene
Concen: 50.950 ng m
RT: 23.051 min Scan# 3411
Delta R.T. 0.023 min
Lab File: BP008783.D
Acq: 12 Jan 2022 20:13

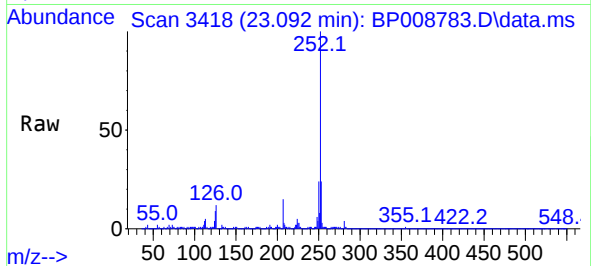
Tgt Ion:252 Resp: 7799129
Ion Ratio Lower Upper
252 100
253 23.4 18.0 27.0
125 9.0 6.9 10.3





#89
Benzo(k)fluoranthene
Concen: 16.161 ng m
RT: 23.092 min Scan# 3419
Delta R.T. 0.011 min
Lab File: BP008783.D
Acq: 12 Jan 2022 20:13

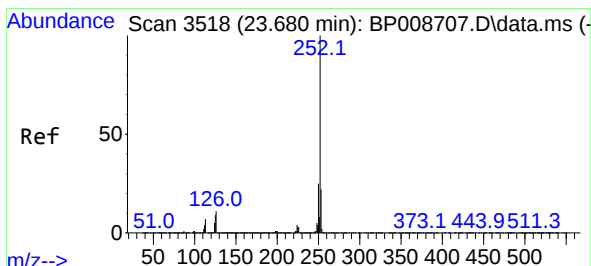
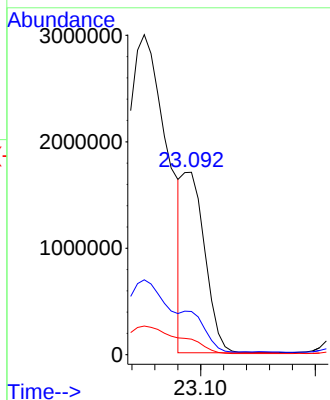
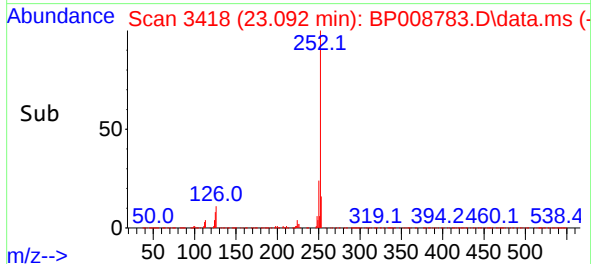
Instrument :
BNA_P
ClientSampleId :
TP-3S



Tgt Ion:252 Resp: 231515
Ion Ratio Lower Upper
252 100
253 23.7 18.2 27.2
125 8.5 7.3 10.9

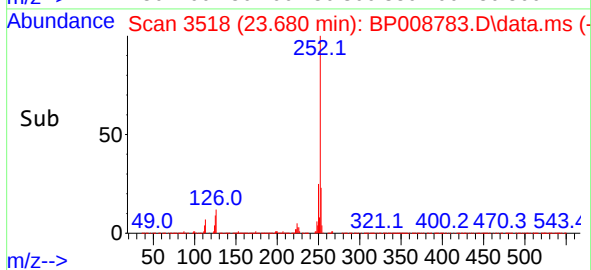
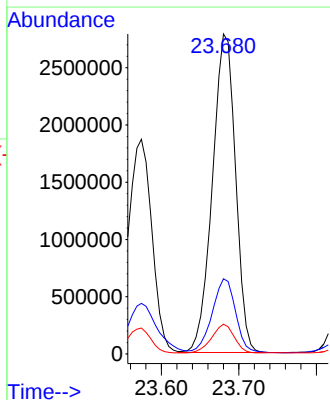
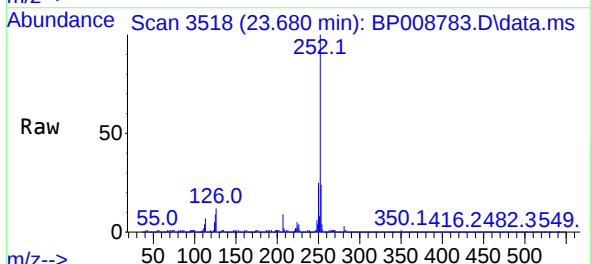
Manual Integrations
APPROVED

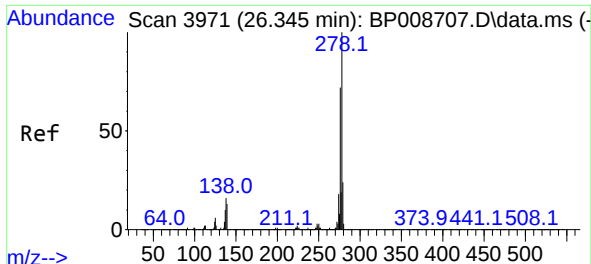
Reviewed By :Christian Giraldo 01/13/2022
Supervised By :Jagrut Upadhyay 01/13/2022



#90
Benzo(a)pyrene
Concen: 39.049 ng
RT: 23.680 min Scan# 3518
Delta R.T. 0.017 min
Lab File: BP008783.D
Acq: 12 Jan 2022 20:13

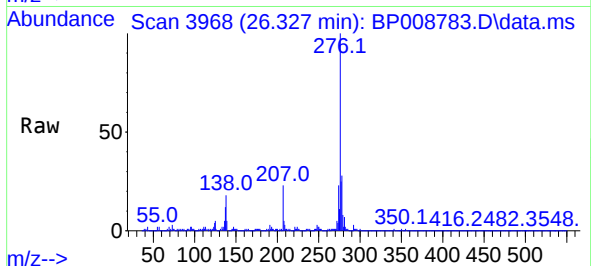
Tgt Ion:252 Resp: 5777363
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 9.3 7.8 11.6





#91
Dibenzo(a,h)anthracene
Concen: 6.607 ng
RT: 26.327 min Scan# 3971
Delta R.T. 0.011 min
Lab File: BP008783.D
Acq: 12 Jan 2022 20:13

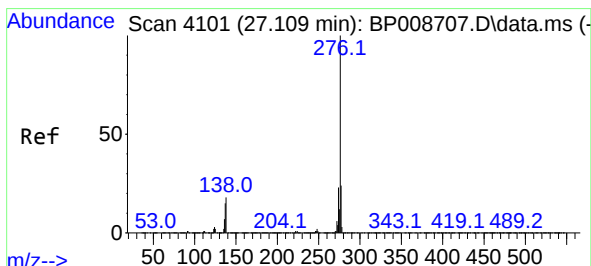
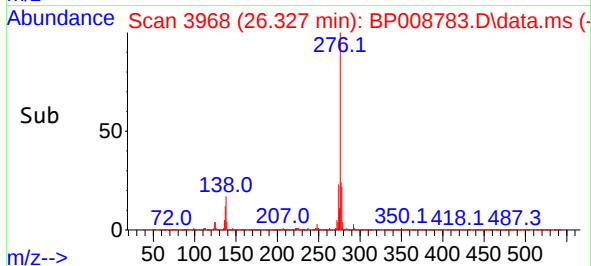
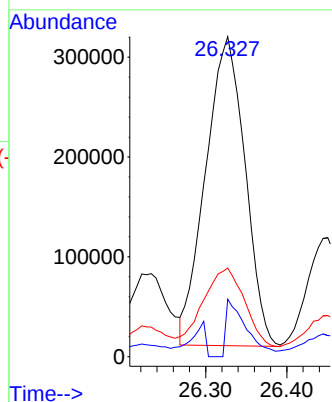
Instrument :
BNA_P
ClientSampleId :
TP-3S



Tgt Ion:278 Resp: 1045090
Ion Ratio Lower Upper
278 100
139 17.9 11.5 17.3
279 27.7 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: 22.564 ng
RT: 27.109 min Scan# 4101
Delta R.T. 0.035 min
Lab File: BP008783.D
Acq: 12 Jan 2022 20:13

Tgt Ion:276 Resp: 3542747
Ion Ratio Lower Upper
276 100
277 24.5 19.2 28.8
138 18.7 15.0 22.4

