

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012422\
 Data File : BP008894.D
 Acq On : 24 Jan 2022 19:14
 Operator : CG/JU
 Sample : N1217-06
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 72-72017

Quant Time: Jan 25 04:13:01 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP011422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 14 18:05:00 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian
 Giraldo
 01/25/2022
 Supervised By :Jagrut
 Upadhyay
 01/25/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.852	152	347541	20.000	ng	0.00
21) Naphthalene-d8	10.652	136	1162904	20.000	ng	# 0.00
39) Acenaphthene-d10	14.510	164	639921	20.000	ng	# 0.01
64) Phenanthrene-d10	17.310	188	526097	20.000	ng	# 0.06
76) Chrysene-d12	21.375	240	1197533	20.000	ng	0.03
86) Perylene-d12	23.798	264	1654991	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	1799746	80.081	ng	0.00
7) Phenol-d6	7.034	99	2182682	80.203	ng	0.00
23) Nitrobenzene-d5	9.010	82	1367559	66.765	ng	0.00
42) 2,4,6-Tribromophenol	16.022	330	780965	83.842	ng	0.03
45) 2-Fluorobiphenyl	13.122	172	2888016	59.516	ng	0.00
79) Terphenyl-d14	19.869	244	1720795	24.255	ng	0.05
Target Compounds						Qvalue
31) Naphthalene	10.705	128	2134945	33.801	ng	97
37) 2-Methylnaphthalene	12.322	142	767758	16.628	ng	# 96
38) 1-Methylnaphthalene	12.540	142	493713m	11.649	ng	
46) 1,1'-Biphenyl	13.334	154	806850	15.497	ng	98
52) Acenaphthene	14.575	154	509691	14.169	ng	# 91
55) Dibenzofuran	14.910	168	555381	9.475	ng	# 75
58) Fluorene	15.563	166	552480	11.933	ng	# 42
71) Phenanthrene	17.351	178	896592	30.269	ng	# 23
75) Fluoranthene	19.345	202	933785	28.348	ng	72
81) Benzo(a)anthracene	21.363	228	880123	10.924	ng	# 94
83) Chrysene	21.416	228	1099497	14.078	ng	# 95
84) Bis(2-ethylhexyl)phtha...	21.269	149	247448	4.755	ng	# 67
87) Indeno(1,2,3-cd)pyrene	26.333	276	920497	6.750	ng	# 94
88) Benzo(b)fluoranthene	23.057	252	1803927m	16.322	ng	
89) Benzo(k)fluoranthene	23.098	252	639878m	5.981	ng	
90) Benzo(a)pyrene	23.686	252	1124128	10.537	ng	# 77
91) Dibenzo(a,h)anthracene	26.339	278	232475	2.005	ng	# 57
92) Benzo(g,h,i)perylene	27.110	276	929976	8.214	ng	98

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

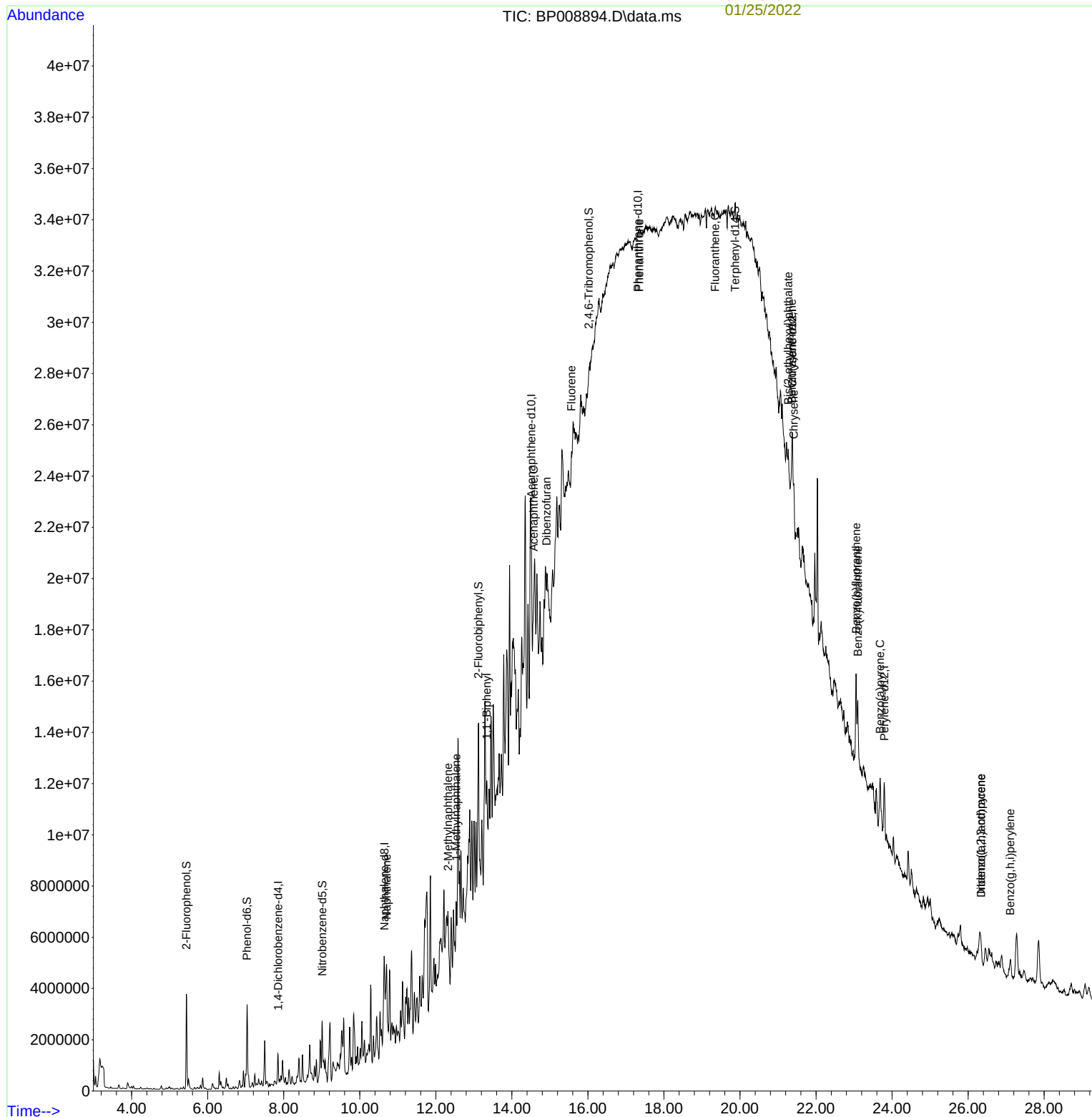
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012422\
 Data File : BP008894.D
 Acq On : 24 Jan 2022 19:14
 Operator : CG/JU
 Sample : N1217-06
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

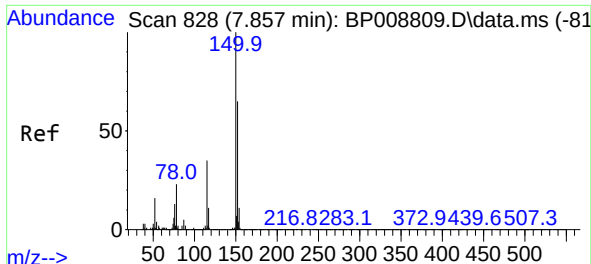
Instrument :
 BNA_P
 ClientSampleId :
 72-72017

Quant Time: Jan 25 04:13:01 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP011422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 14 18:05:00 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

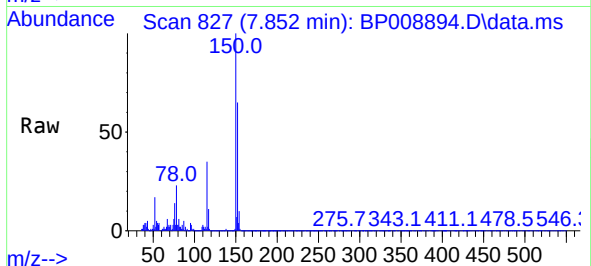
Reviewed By :Christian
 Giraldo
 01/25/2022
 Supervised By :Jagrut
 Upadhyay
 01/25/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.852 min Scan# 81
Delta R.T. -0.005 min
Lab File: BP008894.D
Acq: 24 Jan 2022 19:14

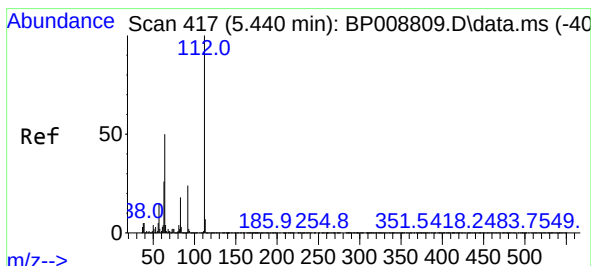
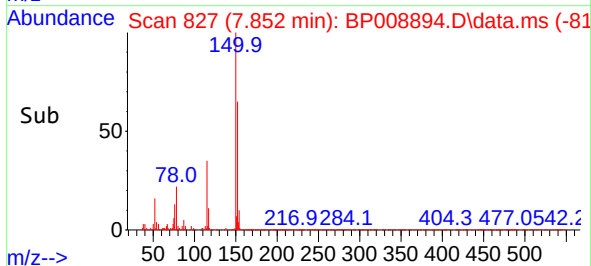
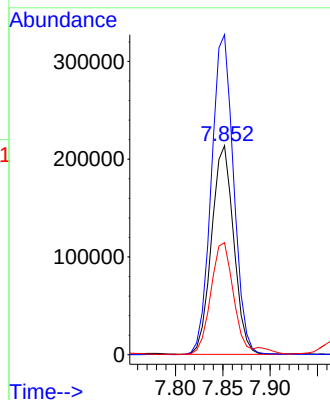
Instrument :
BNA_P
ClientSampleId :
72-72017



Tgt Ion:152 Resp: 34754
Ion Ratio Lower Upper
152 100
150 153.1 127.0 190.6
115 53.6 43.7 65.5

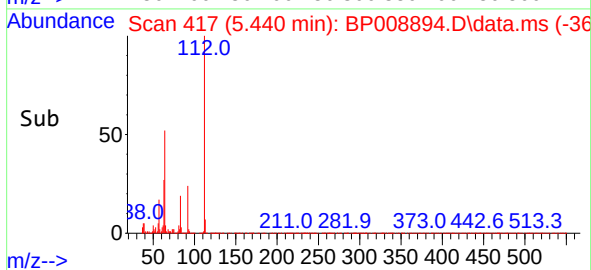
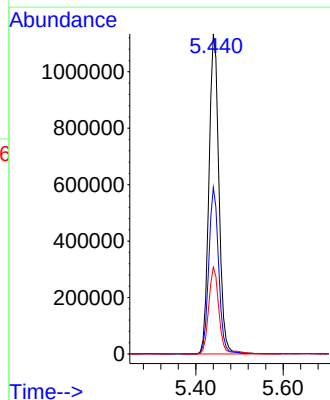
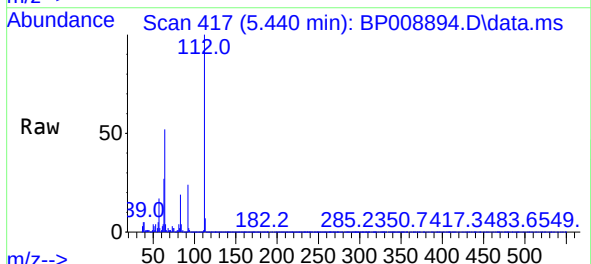
Manual Integrations
APPROVED

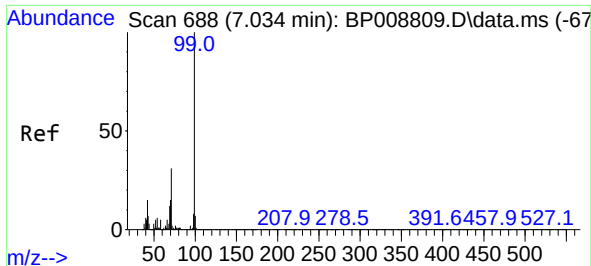
Reviewed By :Christian
Giraldo
01/25/2022
Supervised By :Jagrut
Upadhyay
01/25/2022



#5
2-Fluorophenol
Concen: 80.081 ng
RT: 5.440 min Scan# 417
Delta R.T. 0.000 min
Lab File: BP008894.D
Acq: 24 Jan 2022 19:14

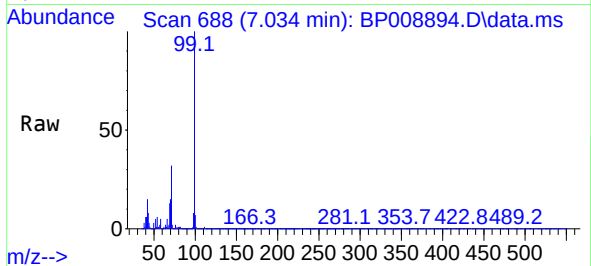
Tgt Ion:112 Resp: 1799746
Ion Ratio Lower Upper
112 100
64 52.1 39.7 59.5
63 27.2 20.0 30.0





#7
Phenol-d6
Concen: 80.203 ng
RT: 7.034 min Scan# 688
Delta R.T. 0.000 min
Lab File: BP008894.D
Acq: 24 Jan 2022 19:14

Instrument :
BNA_P
ClientSampleId :
72-72017



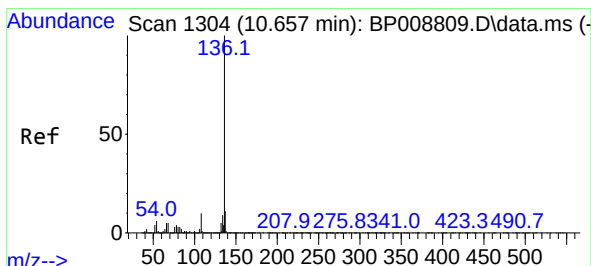
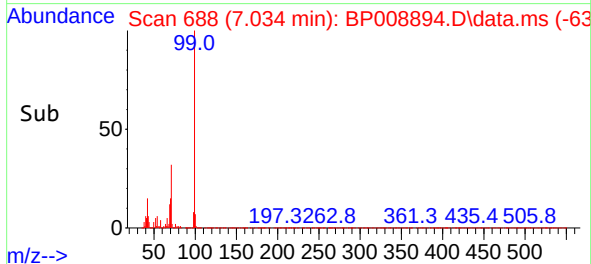
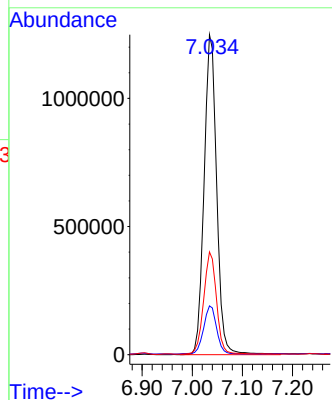
Tgt Ion: 99 Resp: 218268

Ion	Ratio	Lower	Upper
99	100		
42	15.3	10.8	16.2
71	32.1	23.8	35.6

Manual Integrations
APPROVED

Reviewed By :Christian
Giraldo
01/25/2022

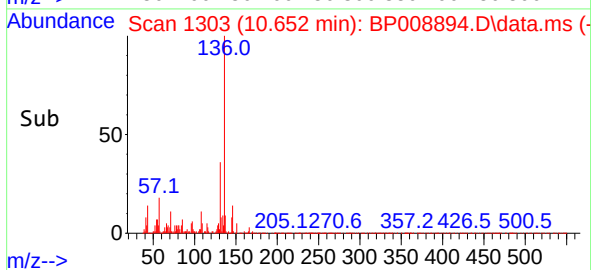
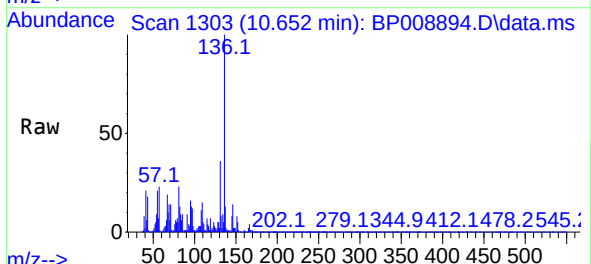
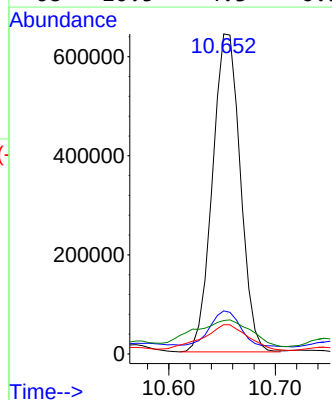
Supervised By :Jagrut
Upadhyay
01/25/2022

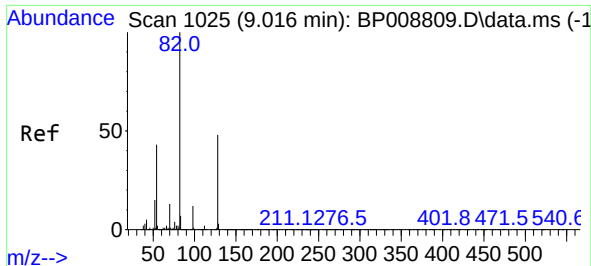


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.652 min Scan# 1303
Delta R.T. -0.006 min
Lab File: BP008894.D
Acq: 24 Jan 2022 19:14

Tgt Ion:136 Resp: 1162904

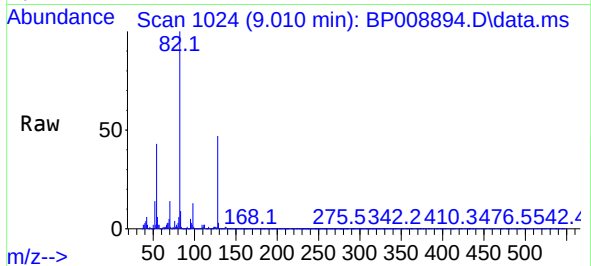
Ion	Ratio	Lower	Upper
136	100		
137	13.5	9.0	13.4#
54	9.2	4.9	7.3#
68	10.5	4.3	6.5#





#23
Nitrobenzene-d5
Concen: 66.765 ng
RT: 9.010 min Scan# 1024
Delta R.T. -0.006 min
Lab File: BP008894.D
Acq: 24 Jan 2022 19:14

Instrument :
BNA_P
ClientSampleId :
72-72017

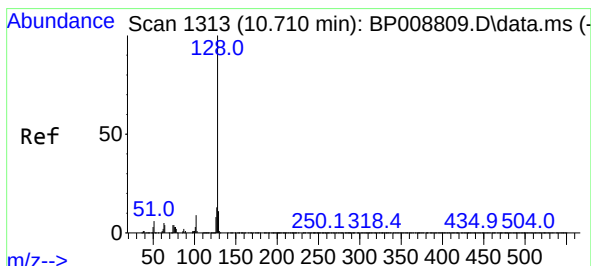
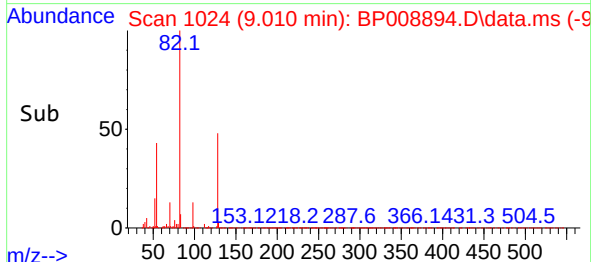
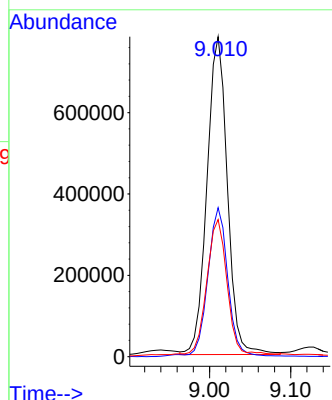


Tgt Ion: 82 Resp: 136755
Ion Ratio Lower Upper
82 100
128 46.6 39.4 59.2
54 42.9 32.6 48.8

Manual Integrations
APPROVED

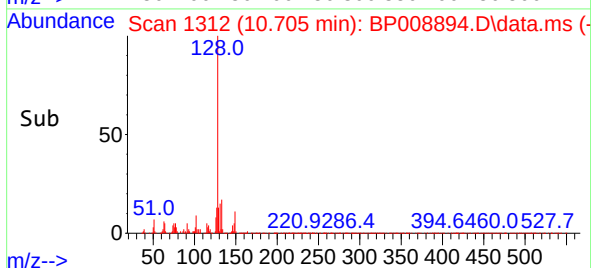
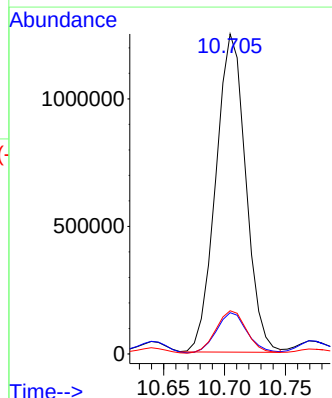
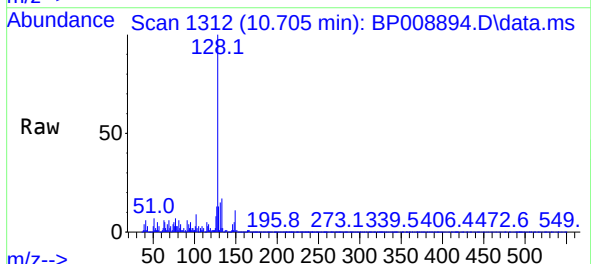
Reviewed By :Christian
Giraldo
01/25/2022

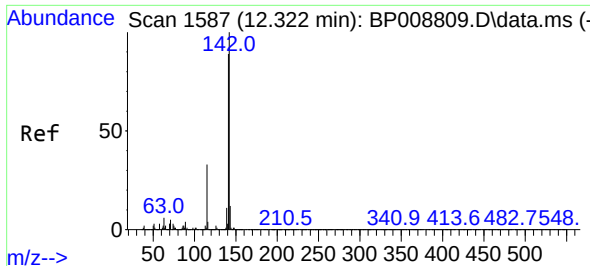
Supervised By :Jagrut
Upadhyay
01/25/2022



#31
Naphthalene
Concen: 33.801 ng
RT: 10.705 min Scan# 1312
Delta R.T. -0.006 min
Lab File: BP008894.D
Acq: 24 Jan 2022 19:14

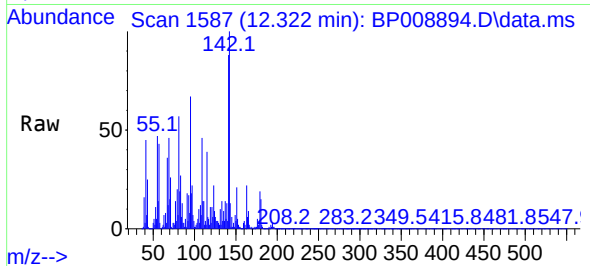
Tgt Ion:128 Resp: 2134945
Ion Ratio Lower Upper
128 100
129 12.9 8.8 13.2
127 13.5 10.4 15.6





#37
2-Methylnaphthalene
Concen: 16.628 ng
RT: 12.322 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BP008894.D
Acq: 24 Jan 2022 19:14

Instrument :
BNA_P
ClientSampleId :
72-72017

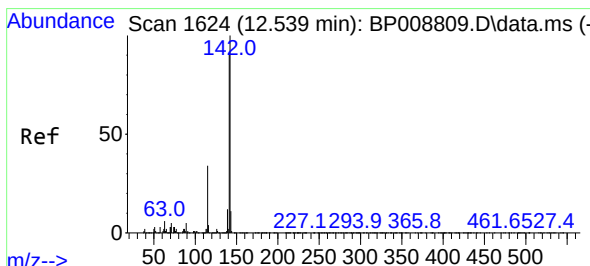
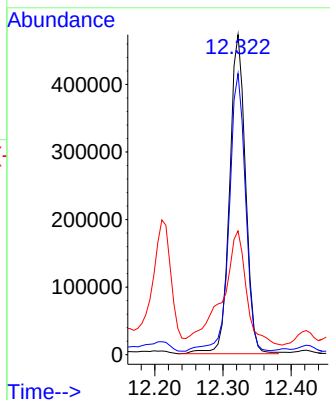
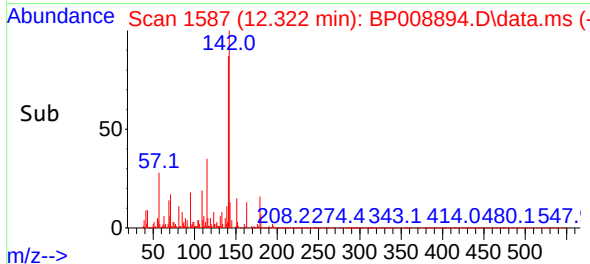


Tgt Ion:142 Resp: 767758
Ion Ratio Lower Upper
142 100
141 87.8 70.5 105.7
115 38.7 24.6 36.8

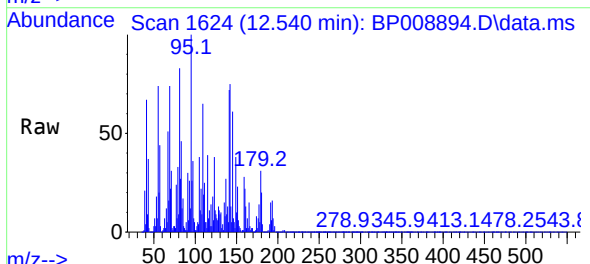
Manual Integrations
APPROVED

Reviewed By :Christian
Giraldo
01/25/2022

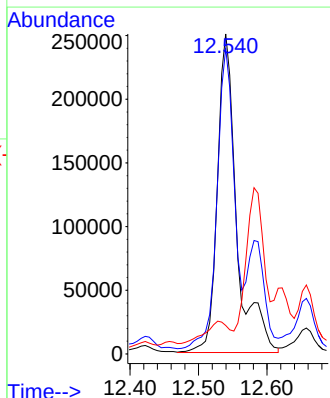
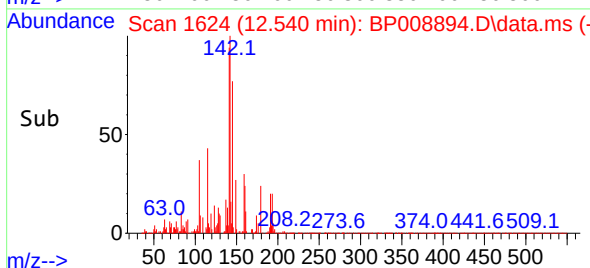
Supervised By :Jagrut
Upadhyay
01/25/2022

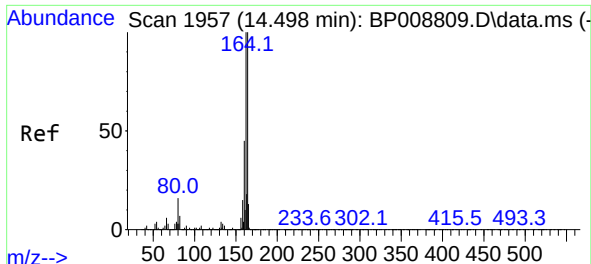


#38
1-Methylnaphthalene
Concen: 11.649 ng m
RT: 12.540 min Scan# 1624
Delta R.T. 0.000 min
Lab File: BP008894.D
Acq: 24 Jan 2022 19:14



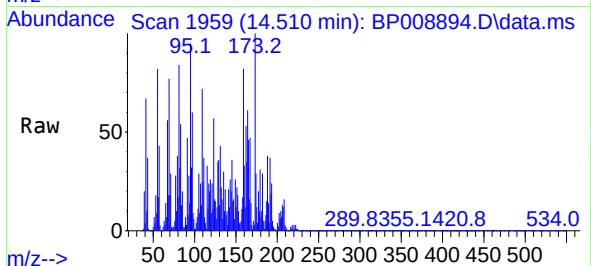
Tgt Ion:142 Resp: 493713
Ion Ratio Lower Upper
142 100
141 95.5 73.2 109.8
116 8.9 2.7 4.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.510 min Scan# 1959
Delta R.T. 0.012 min
Lab File: BP008894.D
Acq: 24 Jan 2022 19:14

Instrument :
BNA_P
ClientSampleId :
72-72017

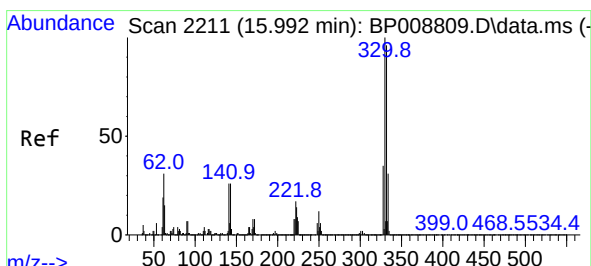
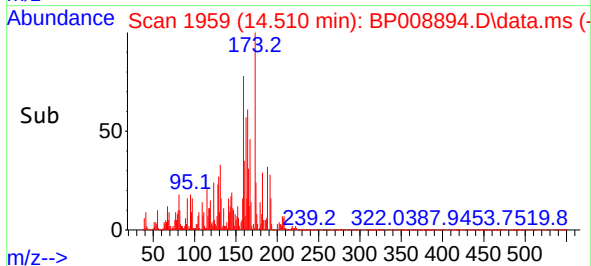
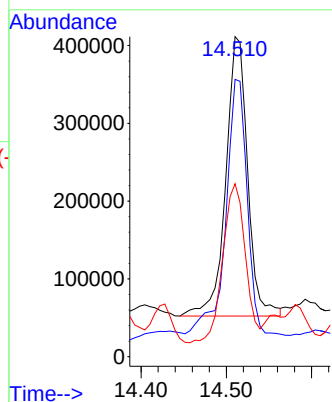


Tgt Ion:164 Resp: 63992
Ion Ratio Lower Upper
164 100
162 86.7 79.9 119.9
160 54.0 35.5 53.3

Manual Integrations
APPROVED

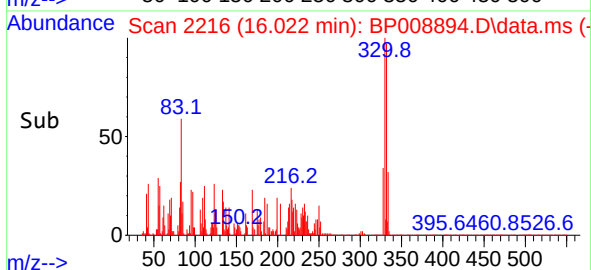
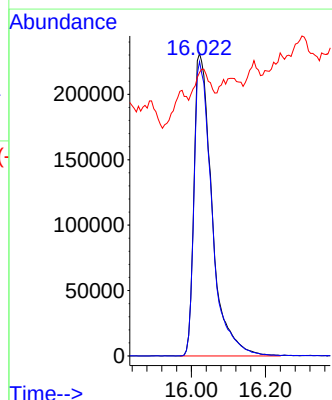
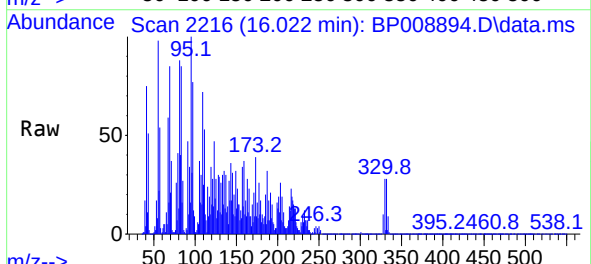
Reviewed By :Christian
Giraldo
01/25/2022

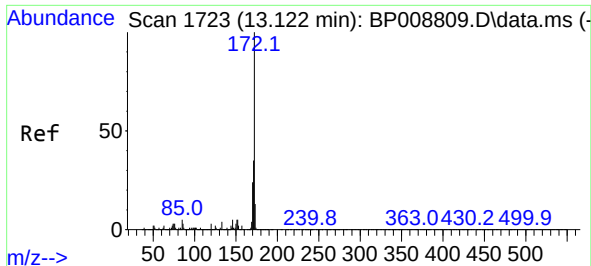
Supervised By :Jagrut
Upadhyay
01/25/2022



#42
2,4,6-Tribromophenol
Concen: 83.842 ng
RT: 16.022 min Scan# 2216
Delta R.T. 0.030 min
Lab File: BP008894.D
Acq: 24 Jan 2022 19:14

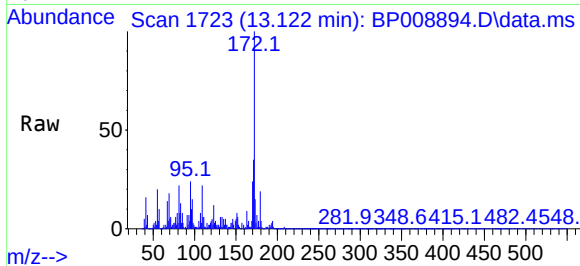
Tgt Ion:330 Resp: 780965
Ion Ratio Lower Upper
330 100
332 97.1 77.0 115.4
141 10.7 21.3 31.9





#45
2-Fluorobiphenyl
Concen: 59.516 ng
RT: 13.122 min Scan# 1723
Delta R.T. 0.000 min
Lab File: BP008894.D
Acq: 24 Jan 2022 19:14

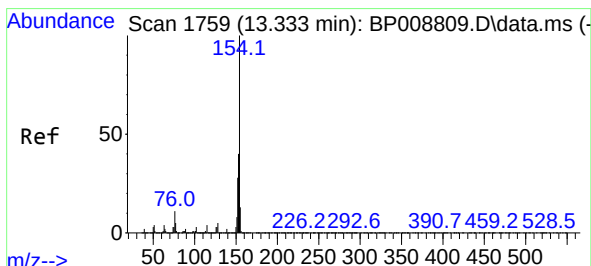
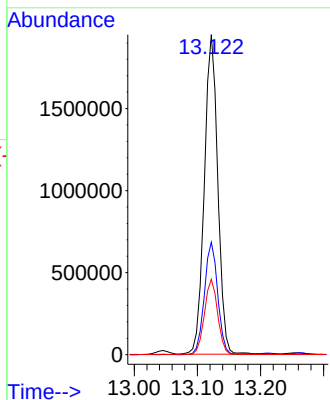
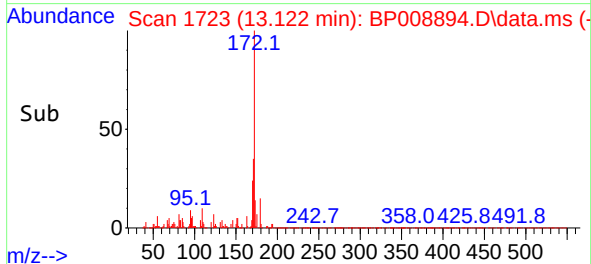
Instrument :
BNA_P
ClientSampleId :
72-72017



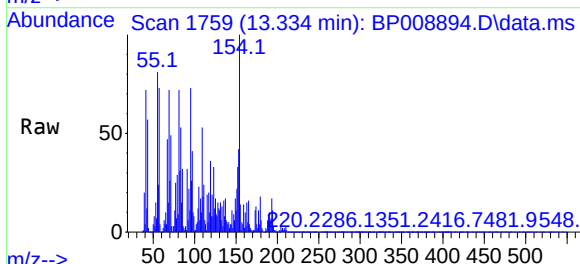
Tgt Ion:172 Resp: 2888010
Ion Ratio Lower Upper
172 100
171 35.1 29.3 43.9
170 23.5 19.5 29.3

Manual Integrations
APPROVED

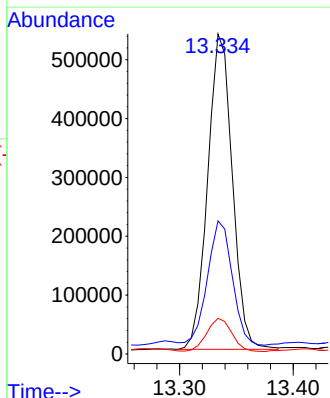
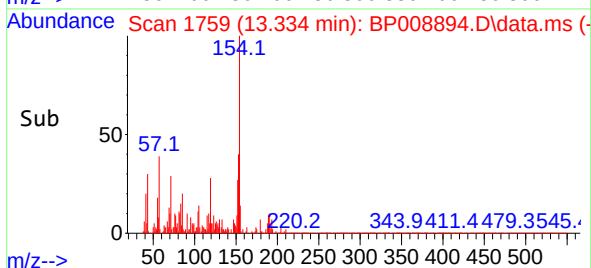
Reviewed By :Christian
Giraldo
01/25/2022
Supervised By :Jagrut
Upadhyay
01/25/2022

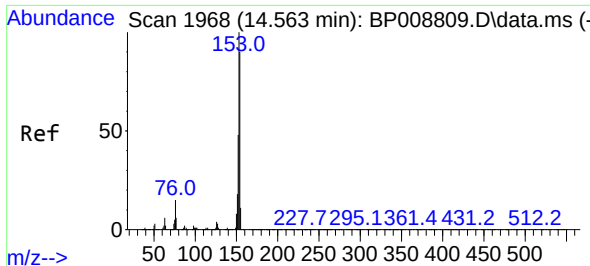


#46
1,1'-Biphenyl
Concen: 15.497 ng
RT: 13.334 min Scan# 1759
Delta R.T. 0.000 min
Lab File: BP008894.D
Acq: 24 Jan 2022 19:14



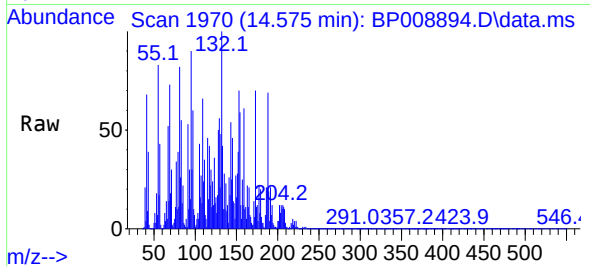
Tgt Ion:154 Resp: 806850
Ion Ratio Lower Upper
154 100
153 41.6 20.3 60.3
76 11.2 0.0 31.1





#52
Acenaphthene
Concen: 14.169 ng
RT: 14.575 min Scan# 1968
Delta R.T. 0.012 min
Lab File: BP008894.D
Acq: 24 Jan 2022 19:14

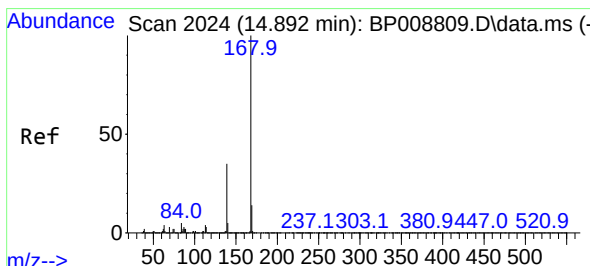
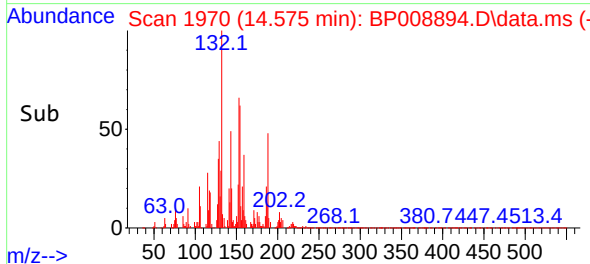
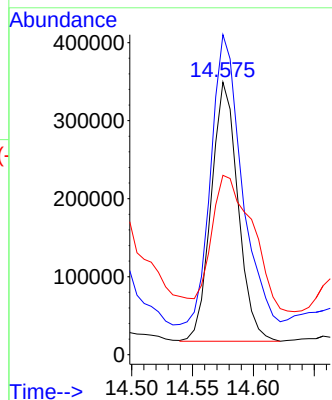
Instrument :
BNA_P
ClientSampleId :
72-72017



Tgt Ion:154 Resp: 50969
Ion Ratio Lower Upper
154 100
153 117.4 89.4 134.2
152 65.8 42.6 63.8

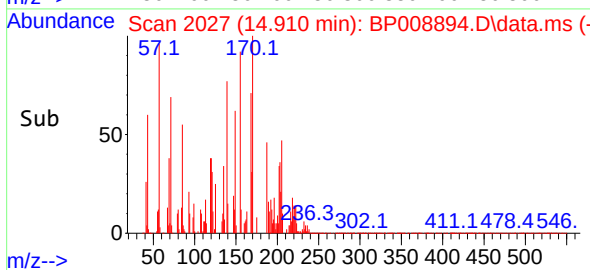
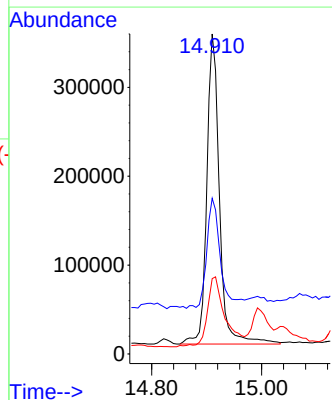
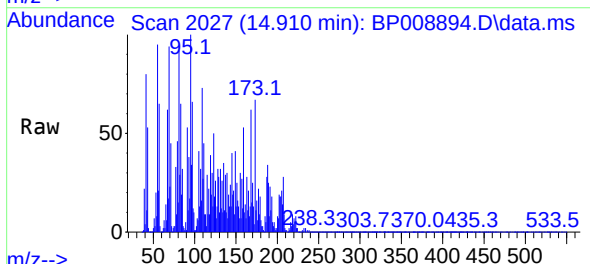
Manual Integrations
APPROVED

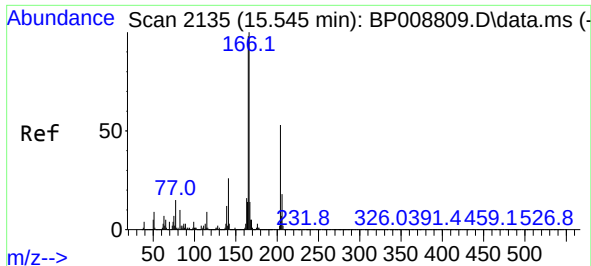
Reviewed By :Christian
Giraldo
01/25/2022
Supervised By :Jagrut
Upadhyay
01/25/2022



#55
Dibenzofuran
Concen: 9.475 ng
RT: 14.910 min Scan# 2027
Delta R.T. 0.018 min
Lab File: BP008894.D
Acq: 24 Jan 2022 19:14

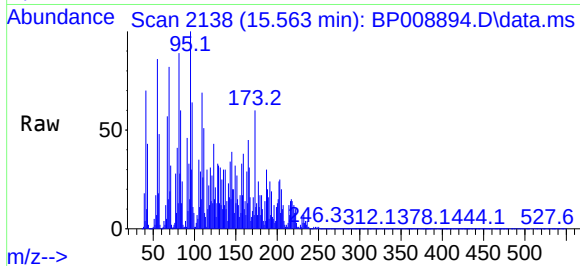
Tgt Ion:168 Resp: 555381
Ion Ratio Lower Upper
168 100
139 48.7 27.4 41.0#
169 23.5 10.9 16.3#





#58
Fluorene
Concen: 11.933 ng
RT: 15.563 min Scan# 2135
Delta R.T. 0.018 min
Lab File: BP008894.D
Acq: 24 Jan 2022 19:14

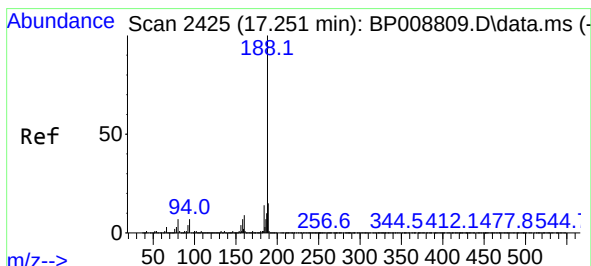
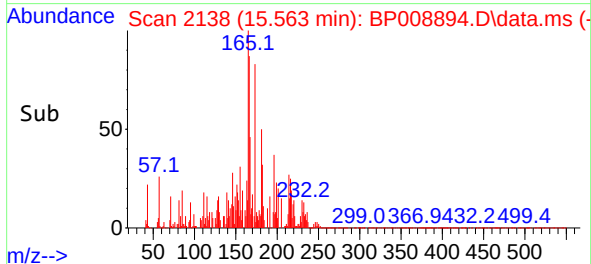
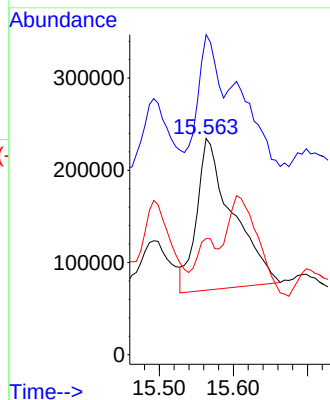
Instrument :
BNA_P
ClientSampleId :
72-72017



Tgt Ion:166 Resp: 552480
Ion Ratio Lower Upper
166 100
165 148.0 77.2 115.8
167 53.8 11.2 16.8

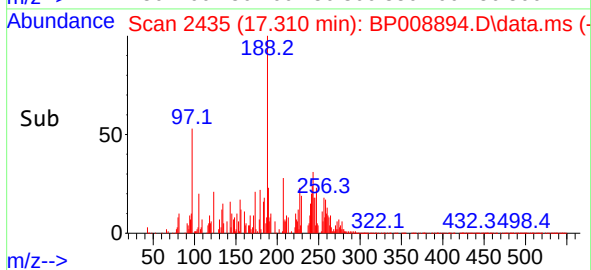
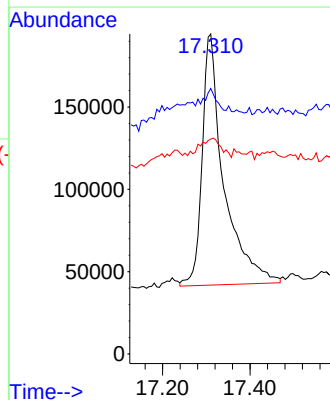
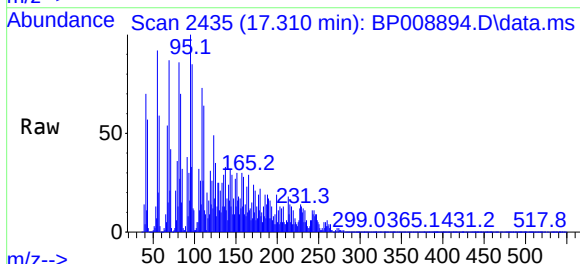
Manual Integrations
APPROVED

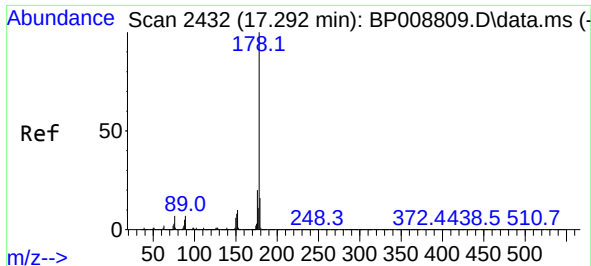
Reviewed By :Christian
Giraldo
01/25/2022
Supervised By :Jagrut
Upadhyay
01/25/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.310 min Scan# 2435
Delta R.T. 0.059 min
Lab File: BP008894.D
Acq: 24 Jan 2022 19:14

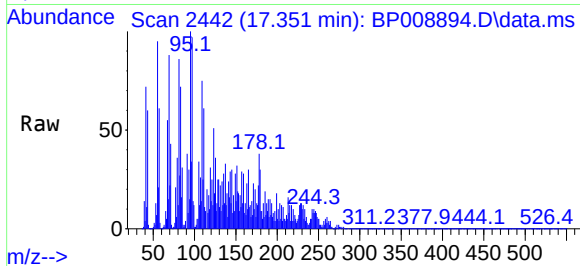
Tgt Ion:188 Resp: 526097
Ion Ratio Lower Upper
188 100
94 82.9 6.8 10.2#
80 67.1 7.2 10.8#





#71
Phenanthrene
Concen: 30.269 ng
RT: 17.351 min Scan# 2442
Delta R.T. 0.059 min
Lab File: BP008894.D
Acq: 24 Jan 2022 19:14

Instrument :
BNA_P
ClientSampleId :
72-72017

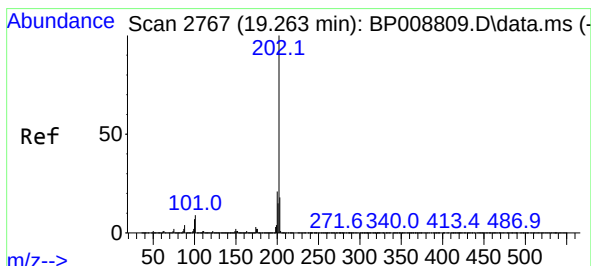
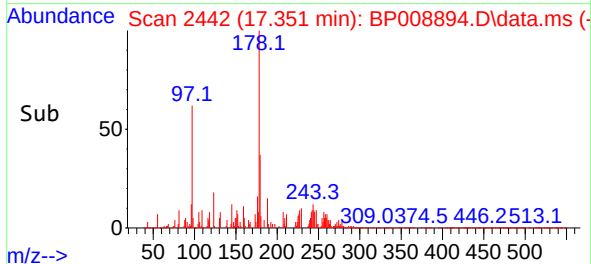
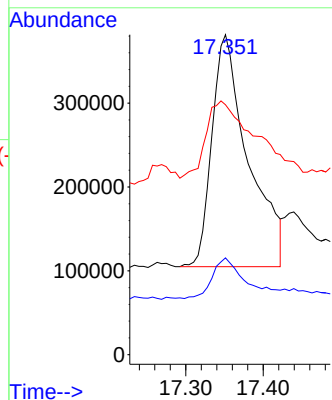


Tgt Ion:178 Resp: 896592
Ion Ratio Lower Upper
178 100
176 30.3 16.0 24.0
179 78.1 13.0 19.4

Manual Integrations
APPROVED

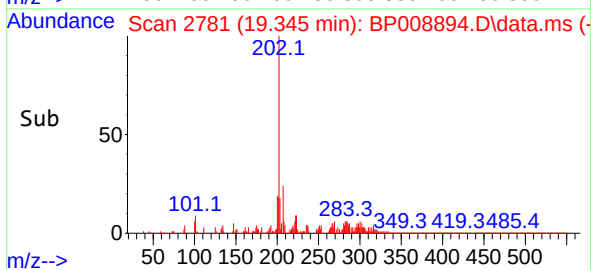
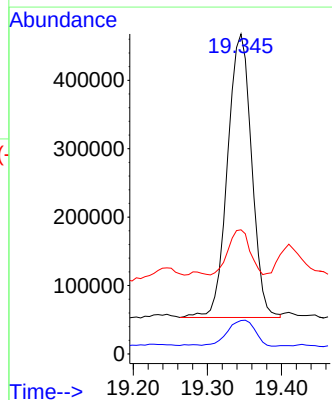
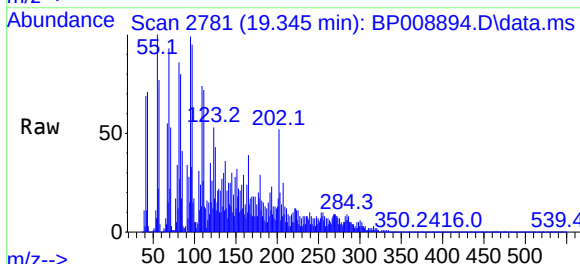
Reviewed By :Christian
Giraldo
01/25/2022

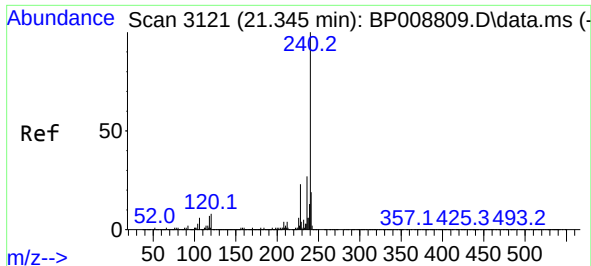
Supervised By :Jagrut
Upadhyay
01/25/2022



#75
Fluoranthene
Concen: 28.348 ng
RT: 19.345 min Scan# 2781
Delta R.T. 0.083 min
Lab File: BP008894.D
Acq: 24 Jan 2022 19:14

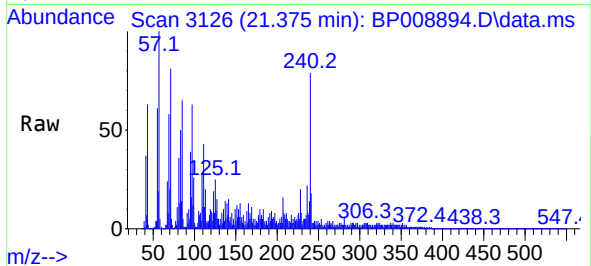
Tgt Ion:202 Resp: 933785
Ion Ratio Lower Upper
202 100
101 10.5 0.0 30.7
203 38.8 0.0 38.9





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.375 min Scan# 3121
Delta R.T. 0.030 min
Lab File: BP008894.D
Acq: 24 Jan 2022 19:14

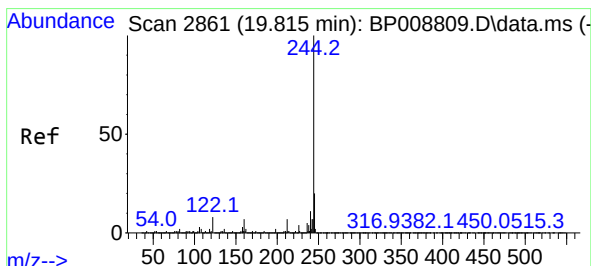
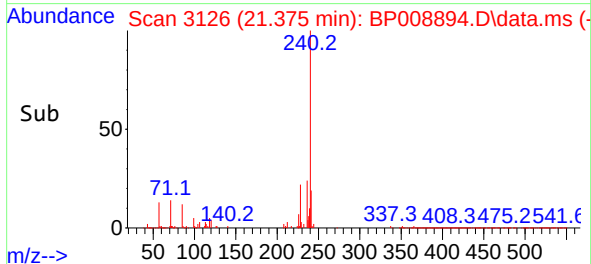
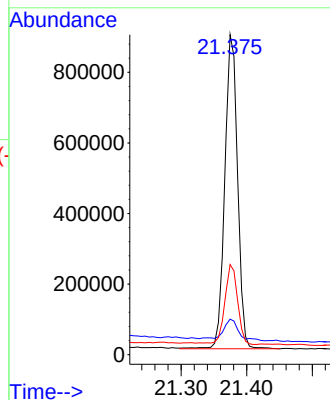
Instrument :
BNA_P
ClientSampleId :
72-72017



Tgt Ion:240 Resp: 119753
Ion Ratio Lower Upper
240 100
120 11.1 7.7 11.5
236 28.1 21.2 31.8

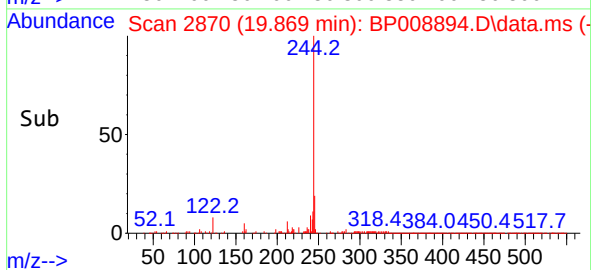
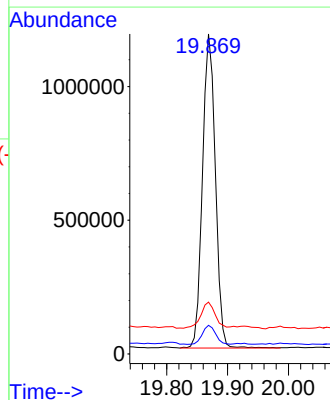
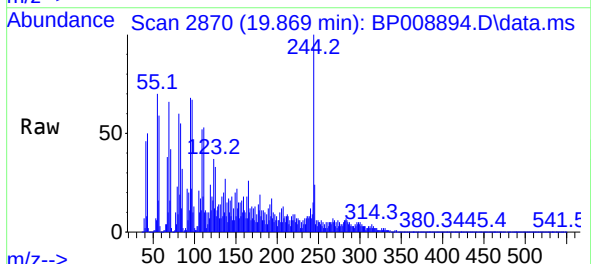
Manual Integrations
APPROVED

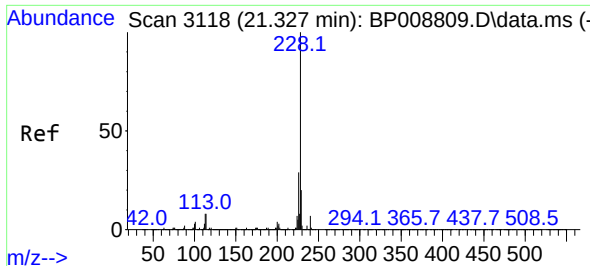
Reviewed By :Christian
Giraldo
01/25/2022
Supervised By :Jagrut
Upadhyay
01/25/2022



#79
Terphenyl-d14
Concen: 24.255 ng
RT: 19.869 min Scan# 2870
Delta R.T. 0.053 min
Lab File: BP008894.D
Acq: 24 Jan 2022 19:14

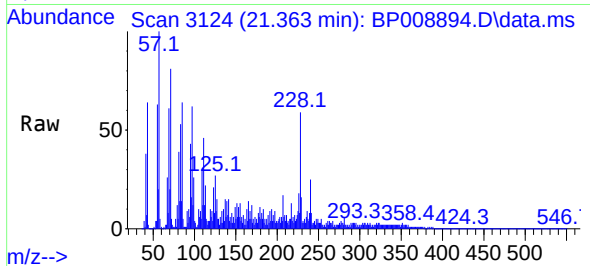
Tgt Ion:244 Resp: 1720795
Ion Ratio Lower Upper
244 100
212 9.0 6.5 9.7
122 16.2 9.2 13.8#





#81
Benzo(a)anthracene
Concen: 10.924 ng
RT: 21.363 min Scan# 3118
Delta R.T. 0.036 min
Lab File: BP008894.D
Acq: 24 Jan 2022 19:14

Instrument :
BNA_P
ClientSampleId :
72-72017

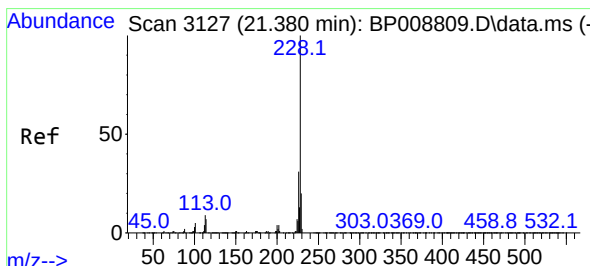
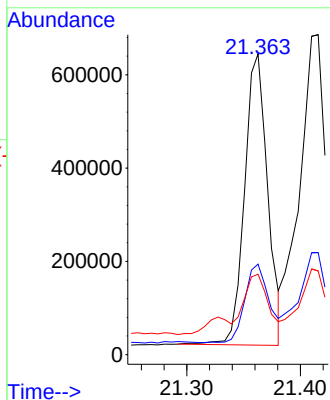
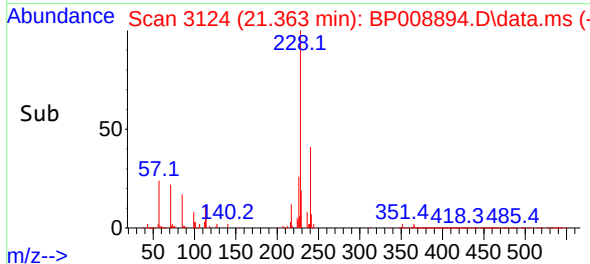


Tgt Ion:228 Resp: 88012
Ion Ratio Lower Upper
228 100
226 30.1 23.3 34.9
229 26.8 17.0 25.6

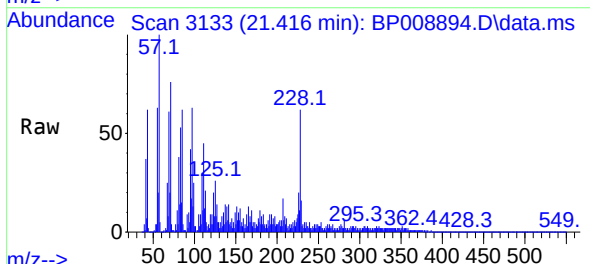
Manual Integrations
APPROVED

Reviewed By :Christian
Giraldo
01/25/2022

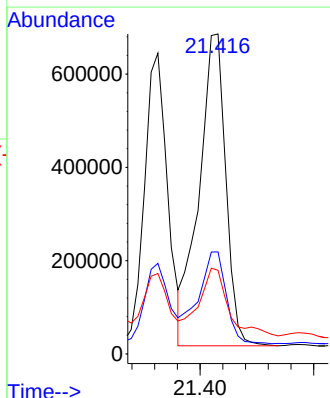
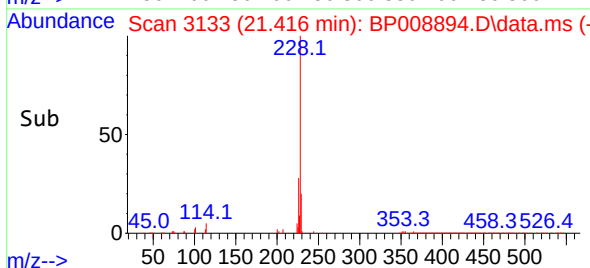
Supervised By :Jagrut
Upadhyay
01/25/2022

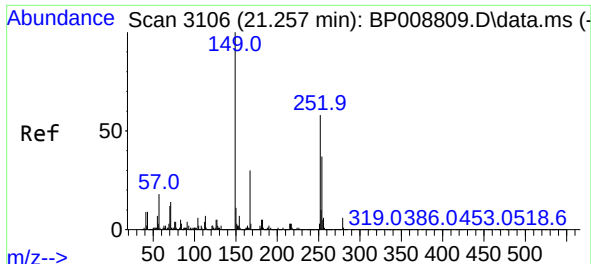


#83
Chrysene
Concen: 14.078 ng
RT: 21.416 min Scan# 3133
Delta R.T. 0.036 min
Lab File: BP008894.D
Acq: 24 Jan 2022 19:14



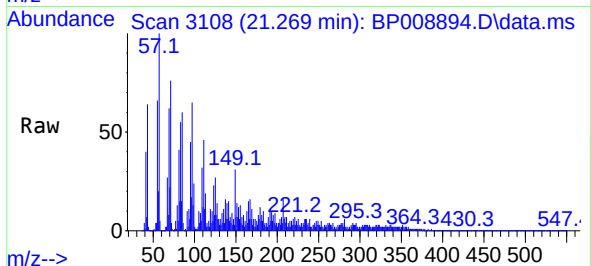
Tgt Ion:228 Resp: 1099497
Ion Ratio Lower Upper
228 100
226 31.9 26.0 39.0
229 26.1 16.9 25.3





#84
Bis(2-ethylhexyl)phthalate
Concen: 4.755 ng
RT: 21.269 min Scan# 3106
Delta R.T. 0.012 min
Lab File: BP008894.D
Acq: 24 Jan 2022 19:14

Instrument :
BNA_P
ClientSampleId :
72-72017

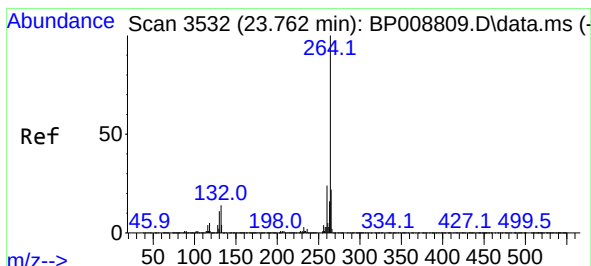
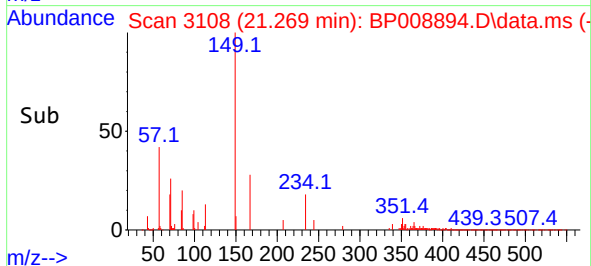
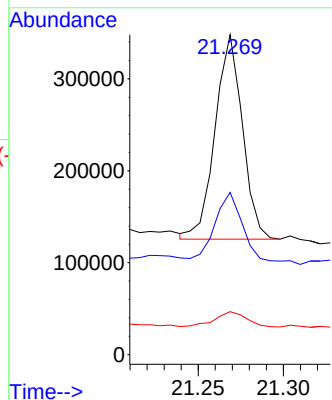


Tgt Ion:149 Resp: 247448
Ion Ratio Lower Upper
149 100
167 50.7 25.0 37.4
279 13.5 4.8 7.2

Manual Integrations
APPROVED

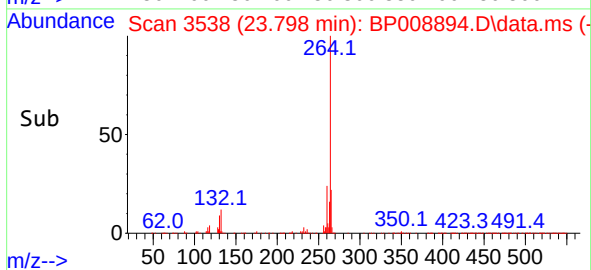
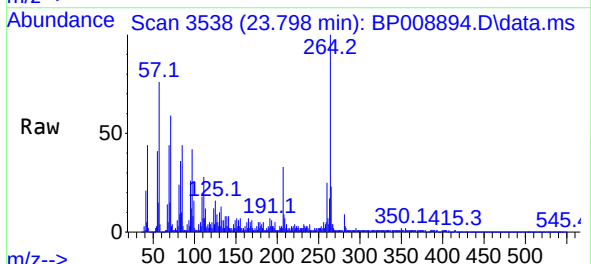
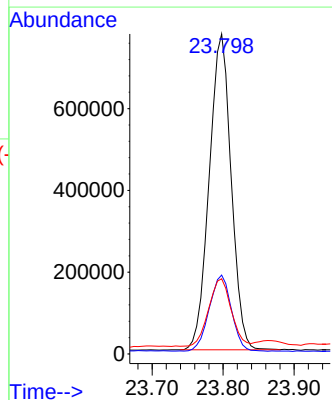
Reviewed By :Christian
Giraldo
01/25/2022

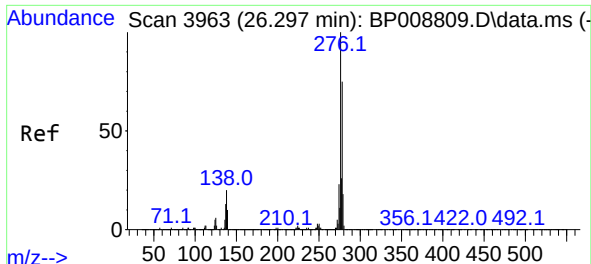
Supervised By :Jagrut
Upadhyay
01/25/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.798 min Scan# 3538
Delta R.T. 0.036 min
Lab File: BP008894.D
Acq: 24 Jan 2022 19:14

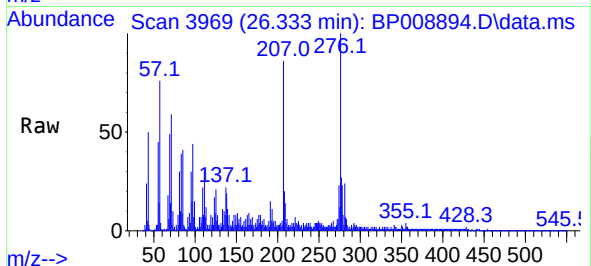
Tgt Ion:264 Resp: 1654991
Ion Ratio Lower Upper
264 100
260 24.7 19.1 28.7
265 23.5 17.1 25.7





#87
Indeno(1,2,3-cd)pyrene
Concen: 6.750 ng
RT: 26.333 min Scan# 3969
Delta R.T. 0.036 min
Lab File: BP008894.D
Acq: 24 Jan 2022 19:14

Instrument :
BNA_P
ClientSampleId :
72-72017

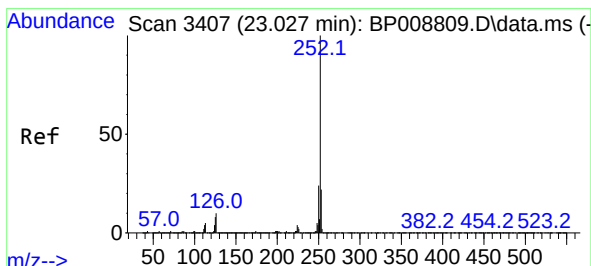
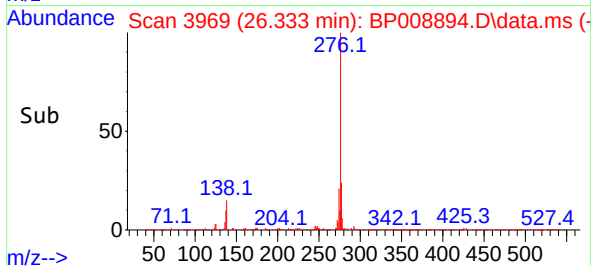
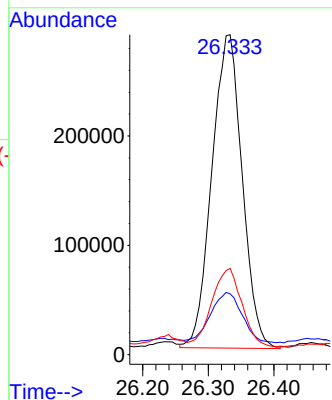


Tgt Ion:276 Resp: 920497
Ion Ratio Lower Upper
276 100
138 16.6 17.8 26.6
277 24.9 20.4 30.6

Manual Integrations
APPROVED

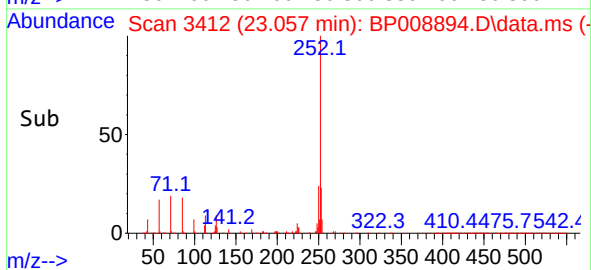
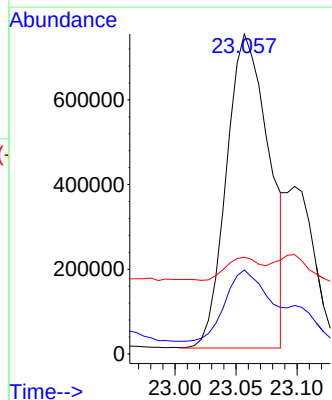
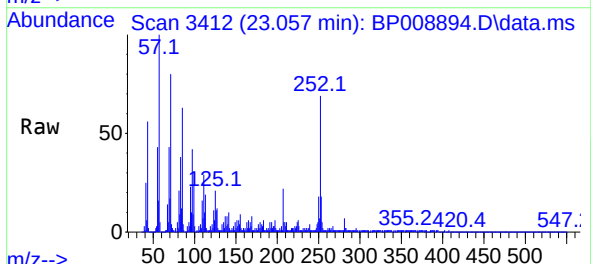
Reviewed By :Christian
Giraldo
01/25/2022

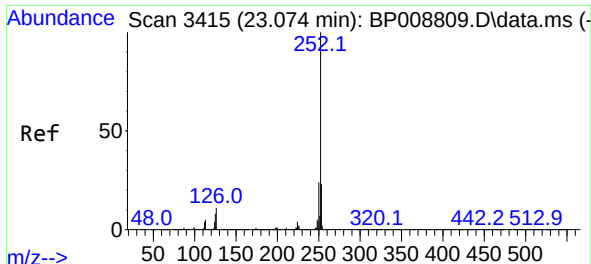
Supervised By :Jagrut
Upadhyay
01/25/2022



#88
Benzo(b)fluoranthene
Concen: 16.322 ng m
RT: 23.057 min Scan# 3412
Delta R.T. 0.030 min
Lab File: BP008894.D
Acq: 24 Jan 2022 19:14

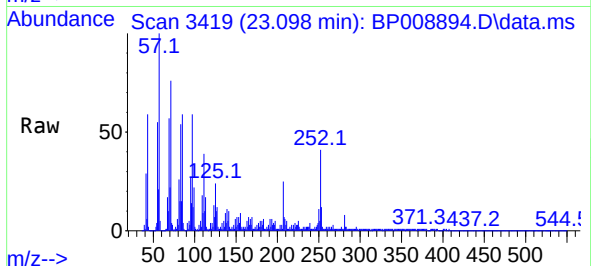
Tgt Ion:252 Resp: 1803927
Ion Ratio Lower Upper
252 100
253 26.3 18.0 27.0
125 30.3 6.9 10.3





#89
Benzo(k)fluoranthene
Concen: 5.981 ng m
RT: 23.098 min Scan# 3415
Delta R.T. 0.024 min
Lab File: BP008894.D
Acq: 24 Jan 2022 19:14

Instrument :
BNA_P
ClientSampleId :
72-72017

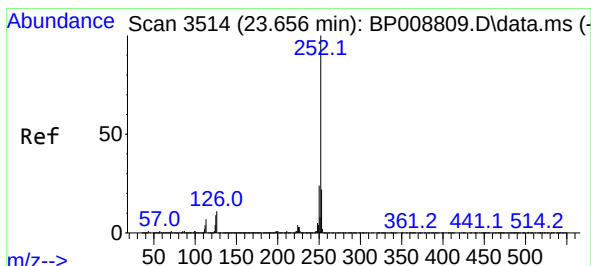
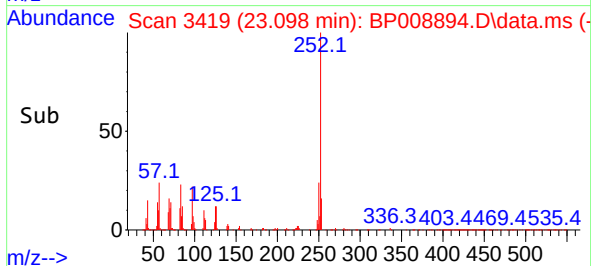
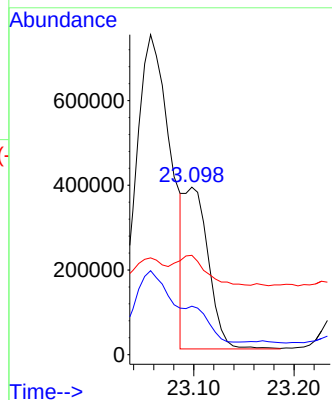


Tgt Ion:252 Resp: 639878
Ion Ratio Lower Upper
252 100
253 29.0 18.2 27.2
125 59.3 7.3 10.9

Manual Integrations
APPROVED

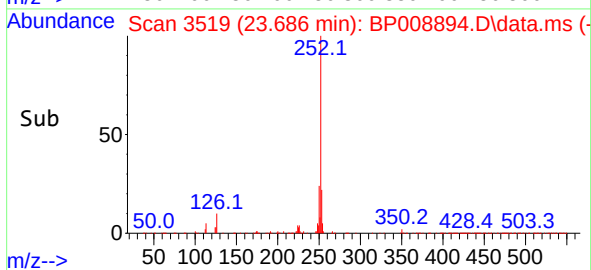
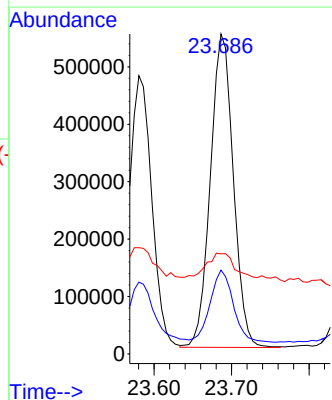
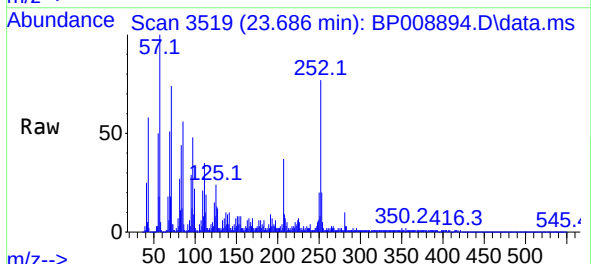
Reviewed By :Christian
Giraldo
01/25/2022

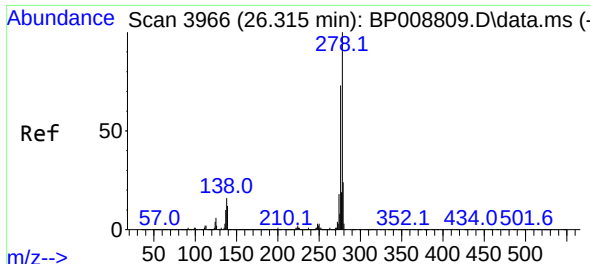
Supervised By :Jagrut
Upadhyay
01/25/2022



#90
Benzo(a)pyrene
Concen: 10.537 ng
RT: 23.686 min Scan# 3519
Delta R.T. 0.030 min
Lab File: BP008894.D
Acq: 24 Jan 2022 19:14

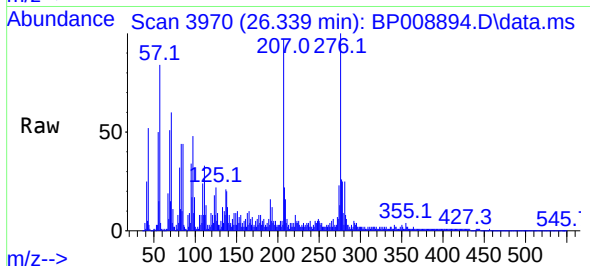
Tgt Ion:252 Resp: 1124128
Ion Ratio Lower Upper
252 100
253 26.2 17.8 26.8
125 31.3 7.8 11.6





#91
Dibenzo(a,h)anthracene
Concen: 2.005 ng
RT: 26.339 min Scan# 3966
Delta R.T. 0.024 min
Lab File: BP008894.D
Acq: 24 Jan 2022 19:14

Instrument :
BNA_P
ClientSampleId :
72-72017

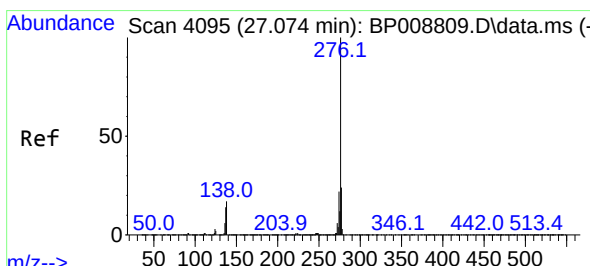
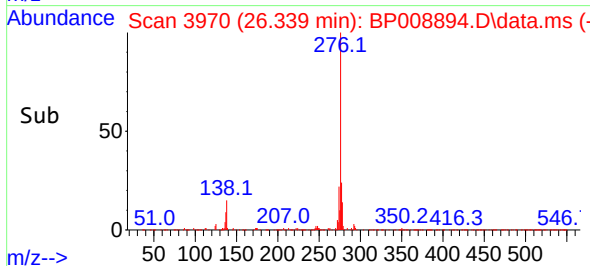
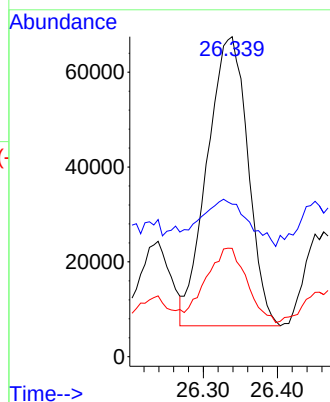


Tgt Ion:278 Resp: 232475
Ion Ratio Lower Upper
278 100
139 47.7 11.5 17.3
279 33.8 19.1 28.7

Manual Integrations
APPROVED

Reviewed By :Christian
Giraldo
01/25/2022

Supervised By :Jagrut
Upadhyay
01/25/2022



#92
Benzo(g,h,i)perylene
Concen: 8.214 ng
RT: 27.110 min Scan# 4101
Delta R.T. 0.036 min
Lab File: BP008894.D
Acq: 24 Jan 2022 19:14

Tgt Ion:276 Resp: 929976
Ion Ratio Lower Upper
276 100
277 25.9 19.2 28.8
138 18.8 15.0 22.4

