

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032922\
 Data File : BP009608.D
 Acq On : 29 Mar 2022 23:00
 Operator : CG/JU
 Sample : N2155-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 22L076-H

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/30/2022
 Supervised By : Jagrut Upadhyay 03/30/2022

Quant Time: Mar 30 04:11:37 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 30 04:00:13 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	255857	20.000	ng	0.00
21) Naphthalene-d8	10.551	136	1021792	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	640664	20.000	ng	0.00
64) Phenanthrene-d10	17.175	188	1308002	20.000	ng	0.00
76) Chrysene-d12	21.292	240	1340734	20.000	ng	0.00
86) Perylene-d12	23.686	264	1485781	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	407228	27.789	ng	0.00
7) Phenol-d6	6.952	99	1858459	93.776	ng	0.00
23) Nitrobenzene-d5	8.916	82	1503810	78.209	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	176387	16.684	ng	0.00
45) 2-Fluorobiphenyl	13.028	172	3587886	77.636	ng	0.00
79) Terphenyl-d14	19.757	244	5559399	74.426	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.981	94	98414	4.950	ng	86
20) 3+4-Methylphenols	8.569	107	47412	2.517	ng	87
31) Naphthalene	10.604	128	665433	12.643	ng	100
37) 2-Methylnaphthalene	12.222	142	408969	11.075	ng	99
38) 1-Methylnaphthalene	12.440	142	295432	8.212	ng	99
52) Acenaphthene	14.475	154	244010	7.032	ng	98
55) Dibenzofuran	14.810	168	141458	2.427	ng	# 93
58) Fluorene	15.463	166	283738	6.189	ng	98
71) Phenanthrene	17.216	178	1888785	26.976	ng	100
72) Anthracene	17.310	178	452109	6.540	ng	98
75) Fluoranthene	19.198	202	1570995	18.533	ng	99
78) Pyrene	19.551	202	1606535	18.184	ng	99
81) Benzo(a)anthracene	21.274	228	725460	8.236	ng	98
83) Chrysene	21.327	228	717498	8.602	ng	97
84) Bis(2-ethylhexyl)phtha...	21.210	149	140072	2.676	ng	# 97
87) Indeno(1,2,3-cd)pyrene	26.174	276	320054	2.839	ng	95
88) Benzo(b)fluoranthene	22.957	252	811493	9.149	ng	# 91
89) Benzo(k)fluoranthene	23.004	252	363244m	4.183	ng	
90) Benzo(a)pyrene	23.580	252	579699	7.639	ng	# 93
92) Benzo(g,h,i)perylene	26.945	276	340740	3.687	ng	# 91

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

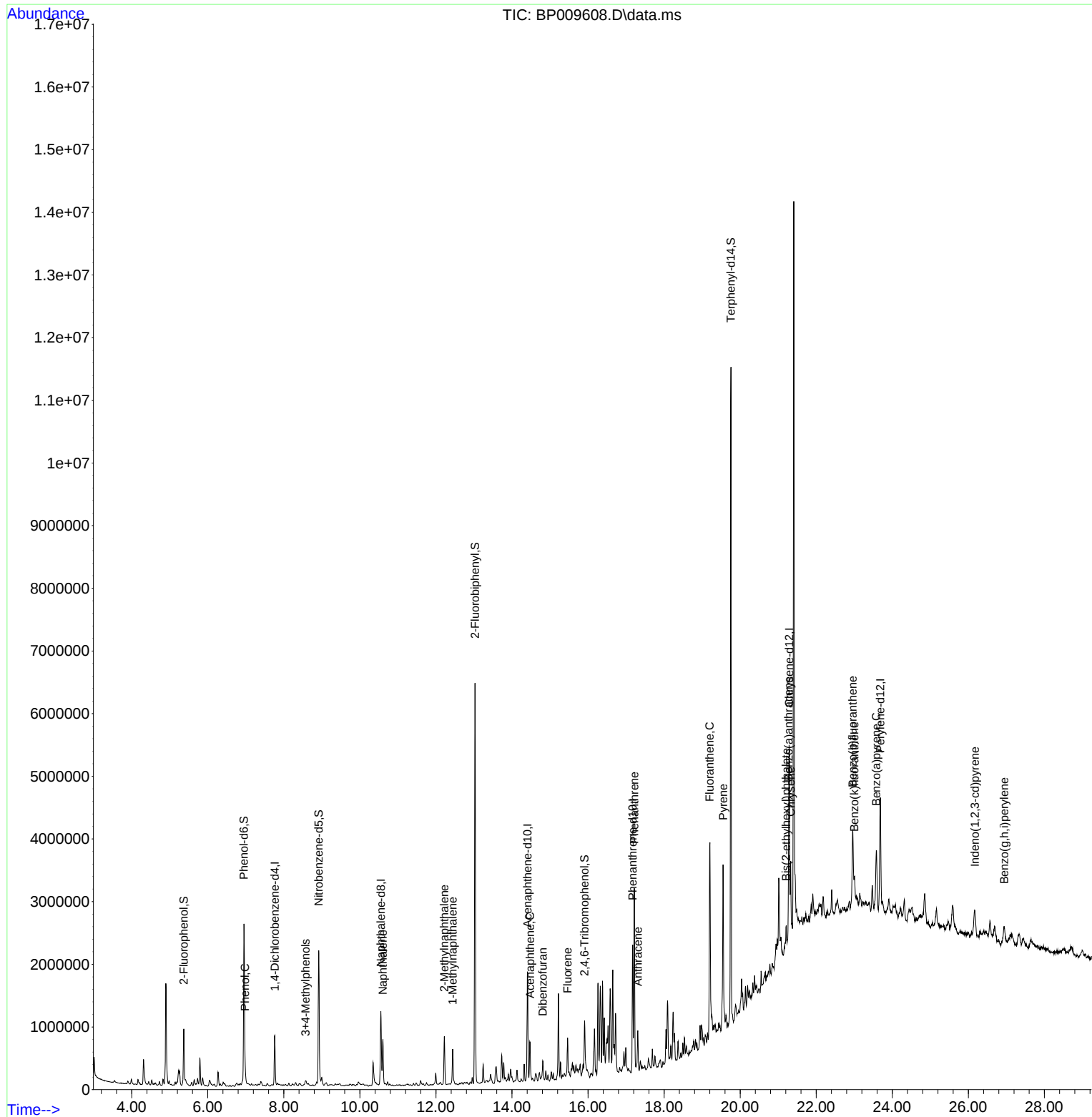
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032922\
Data File : BP009608.D
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Operator : CG/JU
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ALS Vial : 14 Sample Multiplier: 1

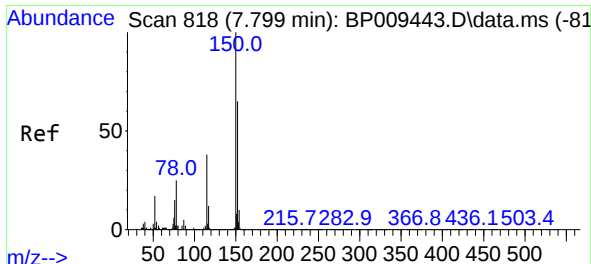
Instrument :
BNA_P
ClientSampleId :
22L076-H

Quant Time: Mar 30 04:11:37 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 30 04:00:13 2022
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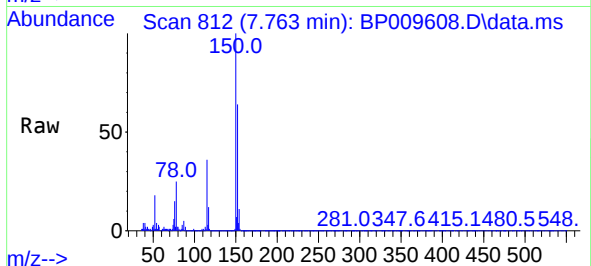
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

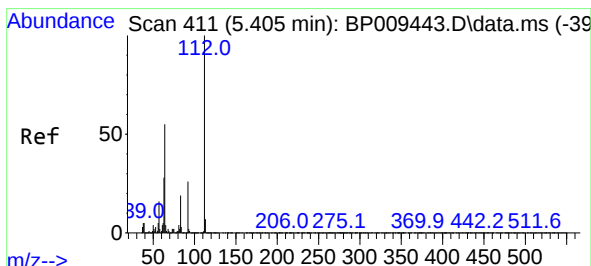
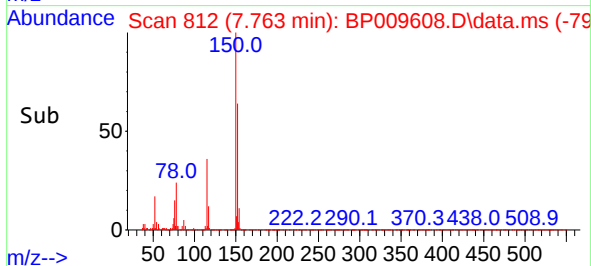
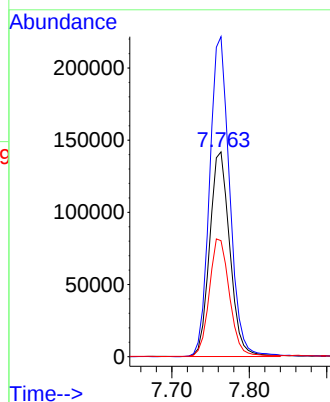
Instrument :
BNA_P
ClientSampleId :
22L076-H



Tgt Ion:152 Resp: 25585
Ion Ratio Lower Upper
152 100
150 156.2 124.5 186.7
115 56.7 48.2 72.4

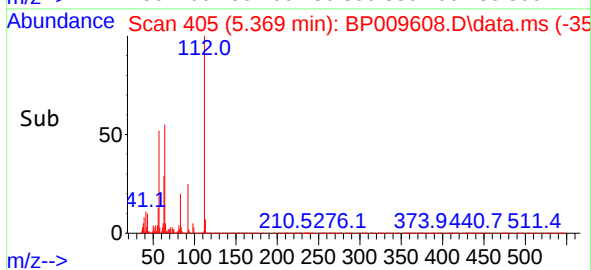
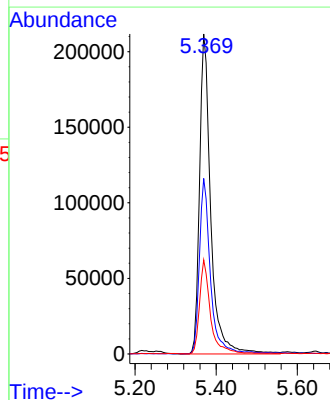
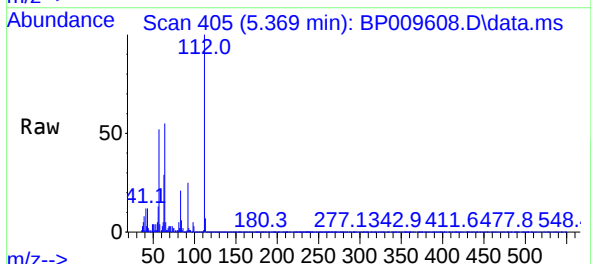
Manual Integrations
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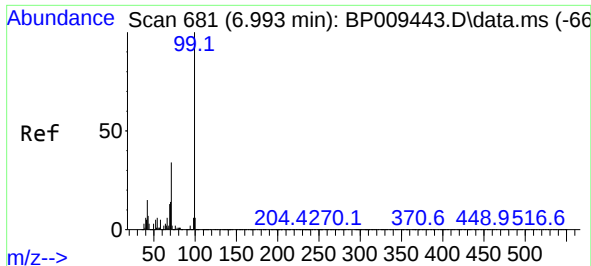
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#5
2-Fluorophenol
Concen: 27.789 ng
RT: 5.369 min Scan# 405
Delta R.T. 0.000 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

Tgt Ion:112 Resp: 407228
Ion Ratio Lower Upper
112 100
64 54.9 45.0 67.4
63 29.4 23.0 34.6





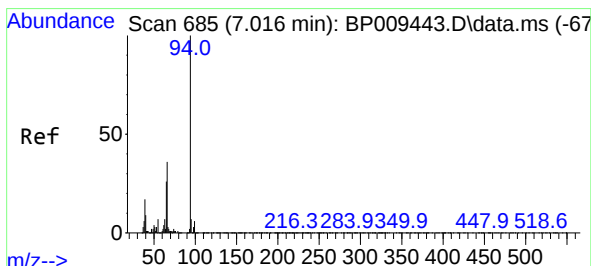
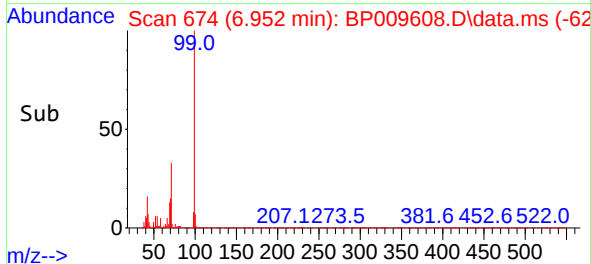
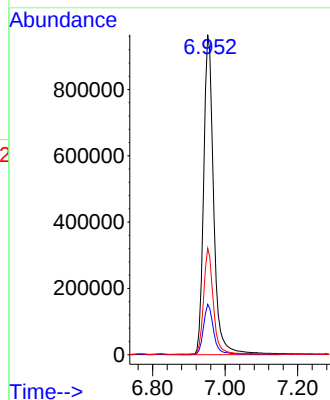
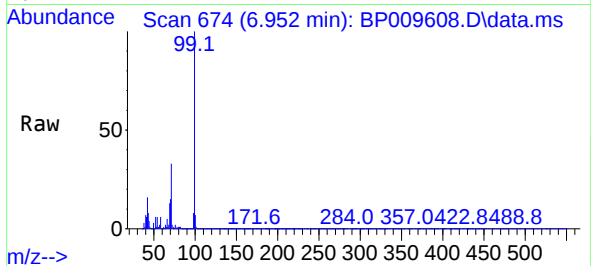
#7
Phenol-d6
Concen: 93.776 ng
RT: 6.952 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

Instrument :
BNA_P
ClientSampleId :
22L076-H

Tgt Ion: 99 Resp: 185845
Ion Ratio Lower Upper
99 100
42 15.7 12.8 19.2
71 33.3 26.3 39.5

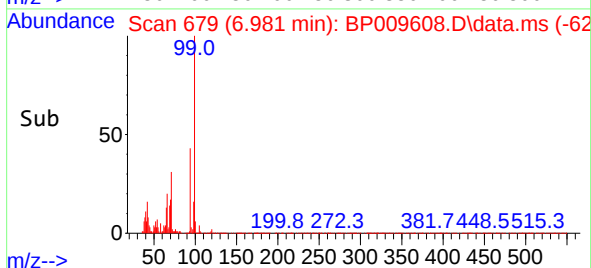
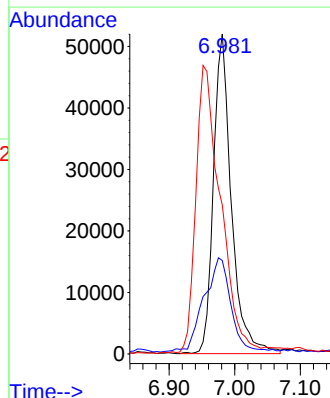
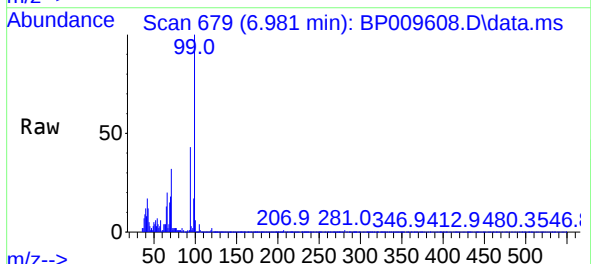
Manual Integrations
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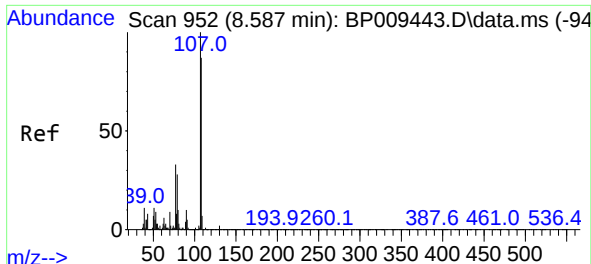
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#10
Phenol
Concen: 4.950 ng
RT: 6.981 min Scan# 679
Delta R.T. 0.000 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

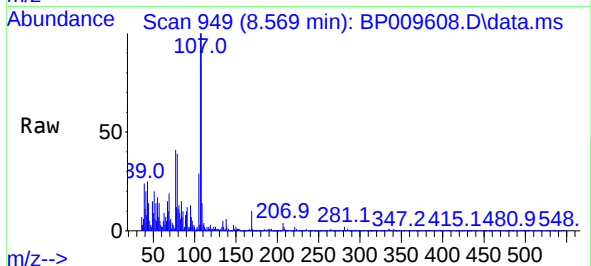
Tgt Ion: 94 Resp: 98414
Ion Ratio Lower Upper
94 100
65 29.2 7.2 47.2
66 46.6 14.3 54.3





#20
3+4-Methylphenols
Concen: 2.517 ng
RT: 8.569 min Scan# 94
Delta R.T. 0.018 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

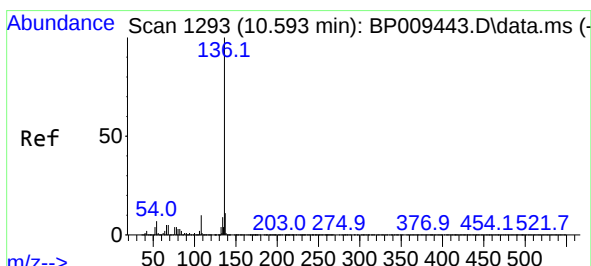
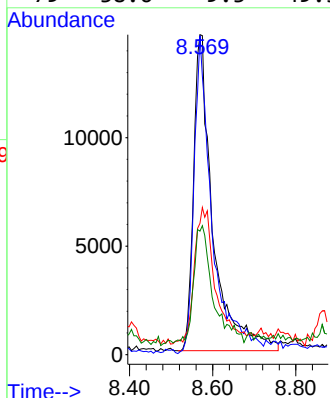
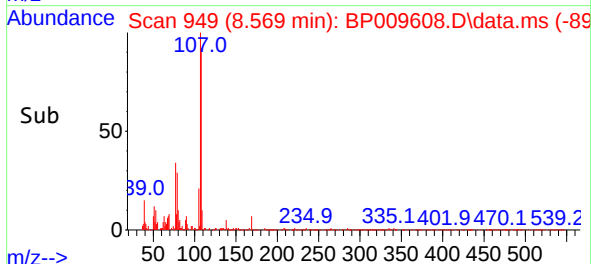
Instrument :
BNA_P
ClientSampleId :
22L076-H



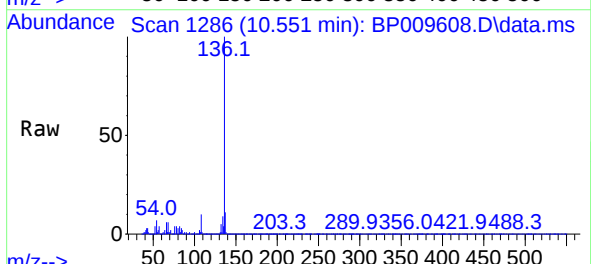
Tgt Ion:107 Resp: 4741
Ion Ratio Lower Upper
107 100
108 99.7 69.4 109.4
77 41.0 13.6 53.6
79 38.6 9.3 49.3

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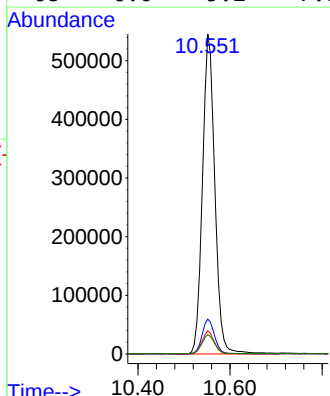
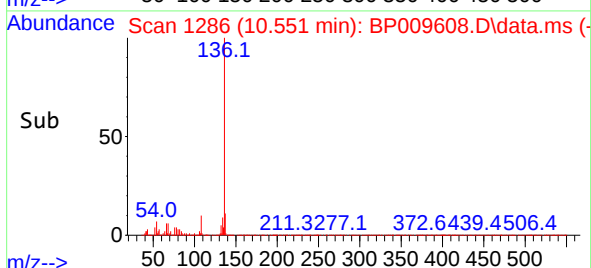
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022

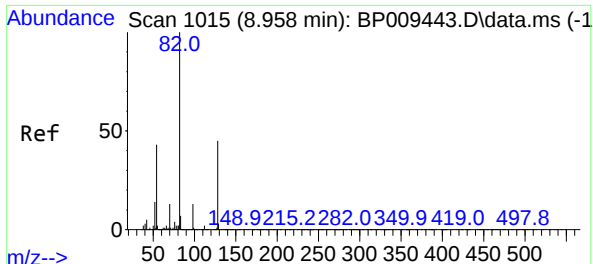


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.551 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00



Tgt Ion:136 Resp: 1021792
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 7.3 5.8 8.8
68 6.0 5.2 7.8





#23

Nitrobenzene-d5

Concen: 78.209 ng

RT: 8.916 min Scan# 1008

Delta R.T. -0.006 min

Lab File: BP009608.D

Acq: 29 Mar 2022 23:00

Instrument :

BNA_P

ClientSampleId :

22L076-H

Tgt Ion: 82 Resp: 1503810

Ion Ratio Lower Upper

82 100

128 43.5 34.2 51.4

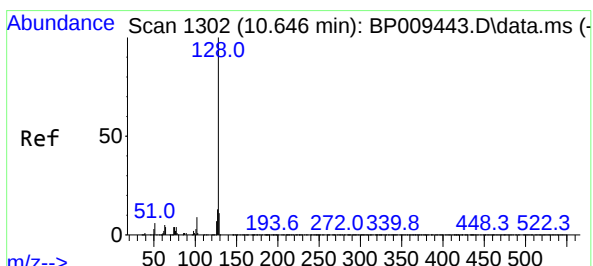
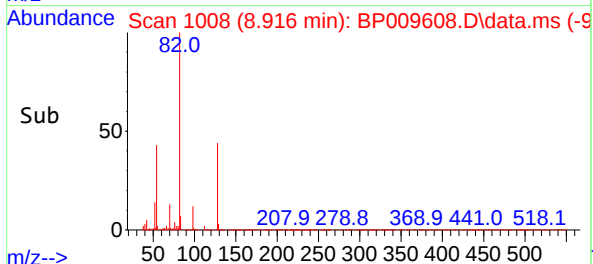
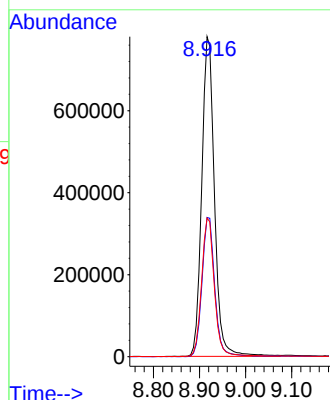
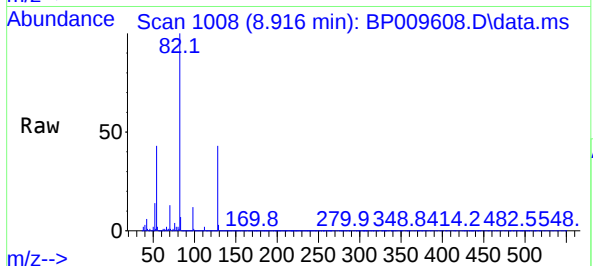
54 43.4 34.7 52.1

Manual Integrations

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Reviewed By :Christian Giraldo 03/30/2022

Supervised By :Jagrut Upadhyay 03/30/2022



#31

Naphthalene

Concen: 12.643 ng

RT: 10.604 min Scan# 1295

Delta R.T. 0.000 min

Lab File: BP009608.D

Acq: 29 Mar 2022 23:00

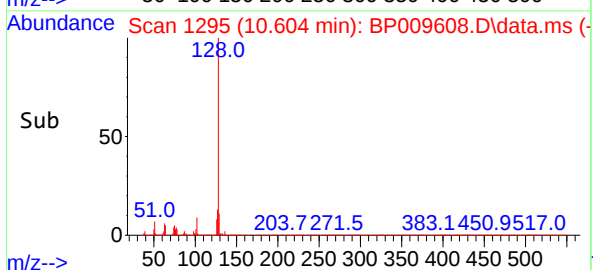
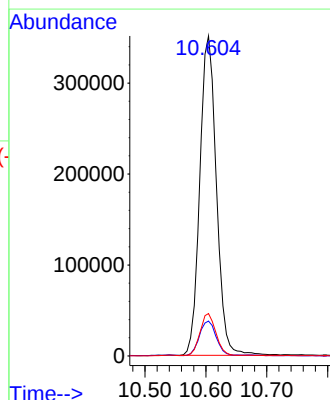
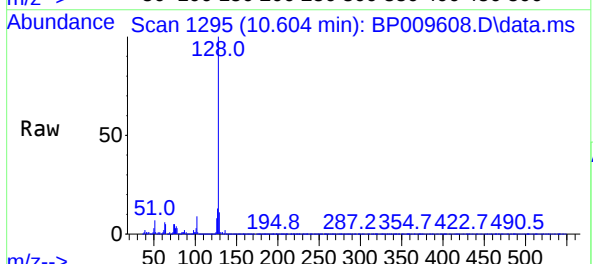
Tgt Ion:128 Resp: 665433

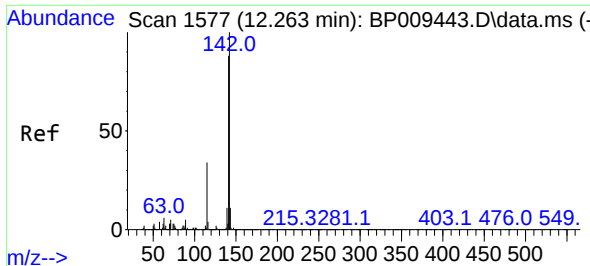
Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

127 13.3 10.5 15.7





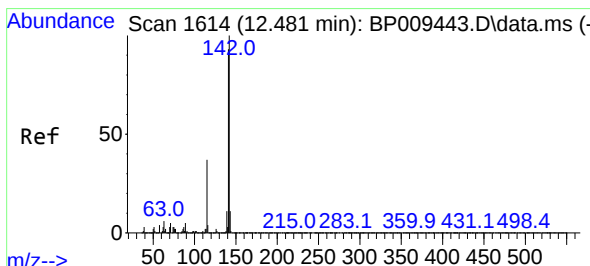
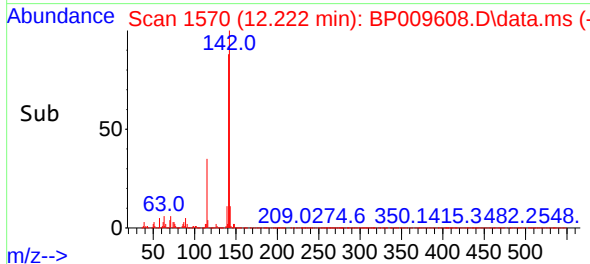
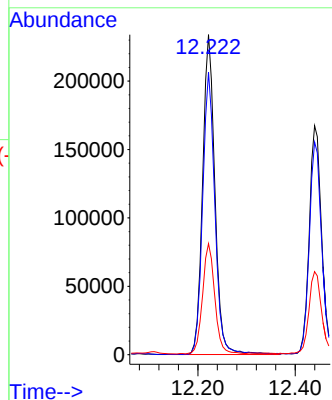
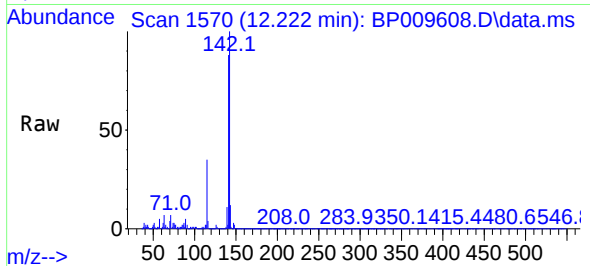
#37
2-Methylnaphthalene
Concen: 11.075 ng
RT: 12.222 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

Instrument :
BNA_P
ClientSampleId :
22L076-H

Tgt Ion:142 Resp: 408969
Ion Ratio Lower Upper
142 100
141 88.3 70.2 105.4
115 34.7 27.4 41.2

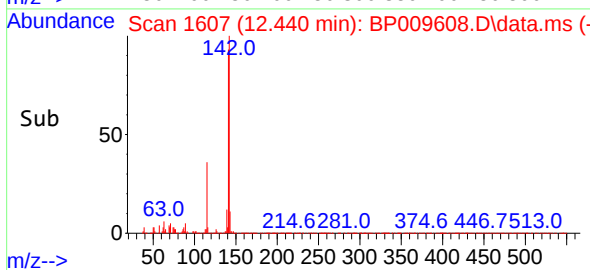
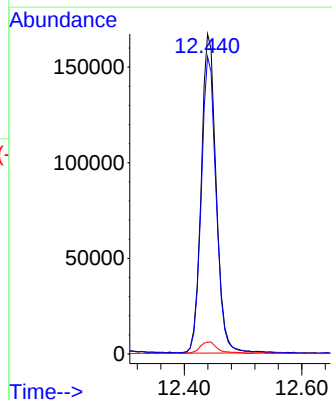
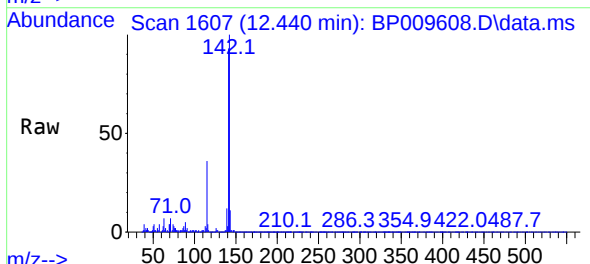
Manual Integrations
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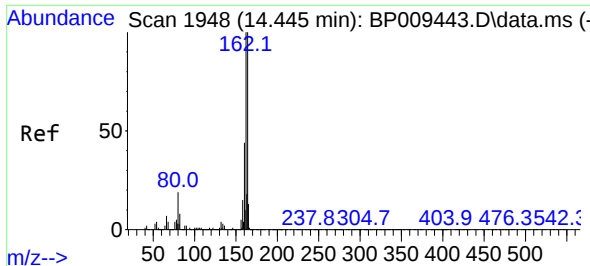
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#38
1-Methylnaphthalene
Concen: 8.212 ng
RT: 12.440 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

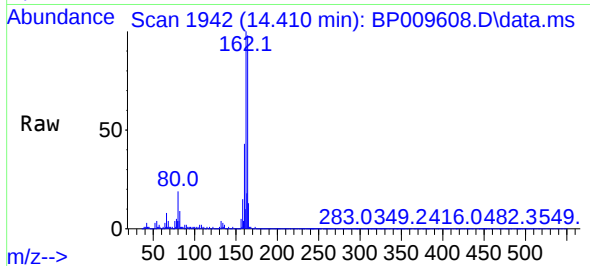
Tgt Ion:142 Resp: 295432
Ion Ratio Lower Upper
142 100
141 92.9 73.5 110.3
116 3.7 3.3 4.9





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. 0.000 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

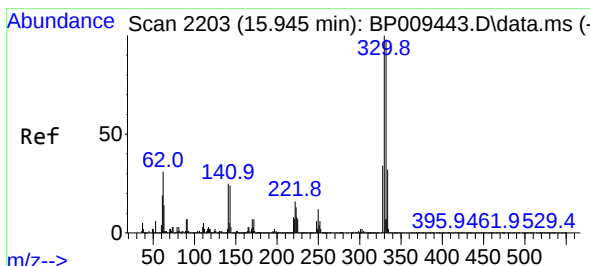
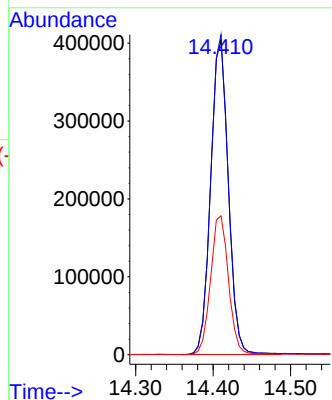
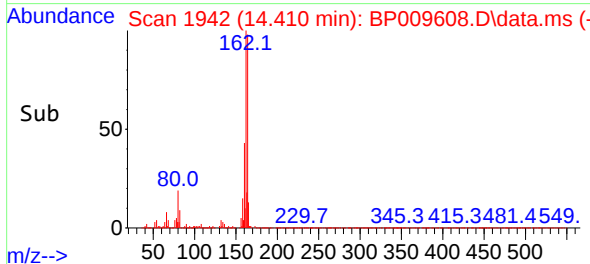
Instrument :
BNA_P
ClientSampleId :
22L076-H



Tgt Ion:164 Resp: 640664
Ion Ratio Lower Upper
164 100
162 101.8 79.1 118.7
160 44.2 34.9 52.3

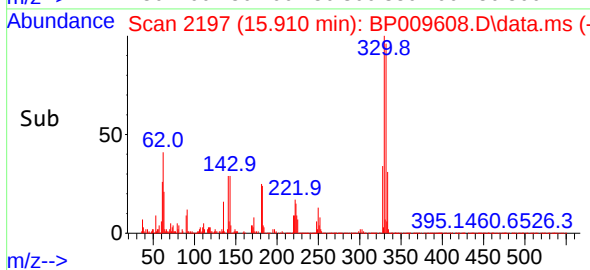
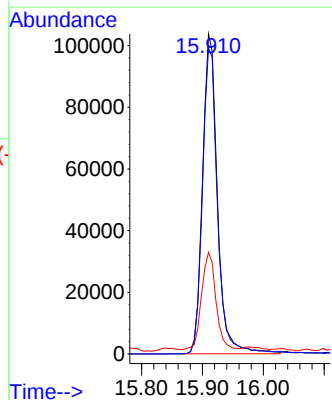
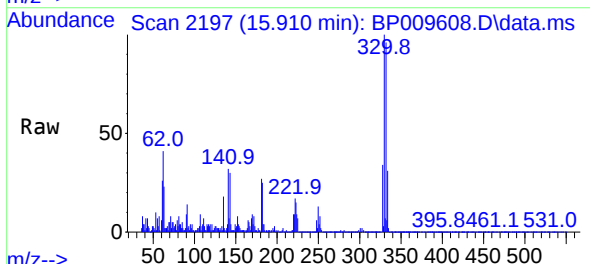
Manual Integrations
APPROVED

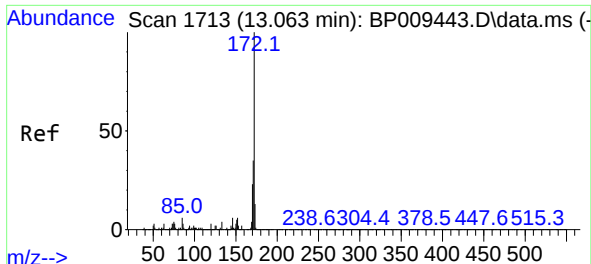
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#42
2,4,6-Tribromophenol
Concen: 16.684 ng
RT: 15.910 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

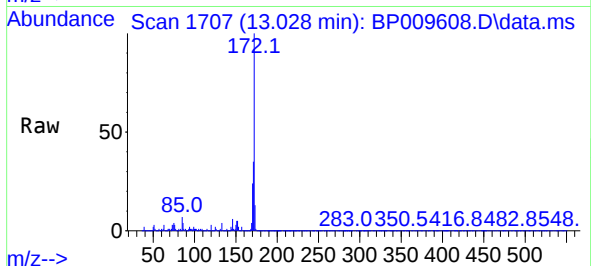
Tgt Ion:330 Resp: 176387
Ion Ratio Lower Upper
330 100
332 96.3 77.0 115.6
141 30.7 27.6 41.4





#45
2-Fluorobiphenyl
Concen: 77.636 ng
RT: 13.028 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

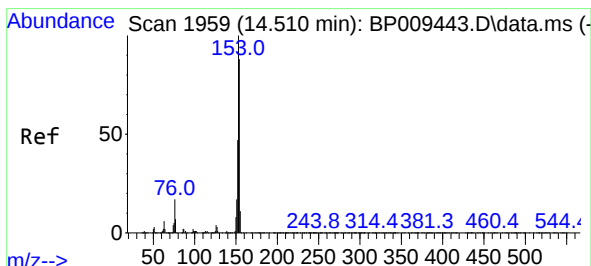
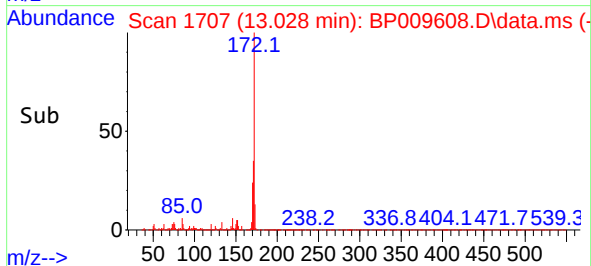
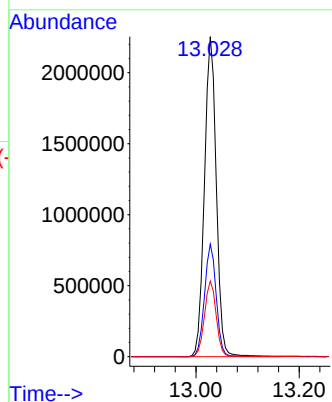
Instrument :
BNA_P
ClientSampleId :
22L076-H



Tgt Ion:172 Resp: 3587880
Ion Ratio Lower Upper
172 100
171 35.2 28.0 42.0
170 23.6 18.6 27.8

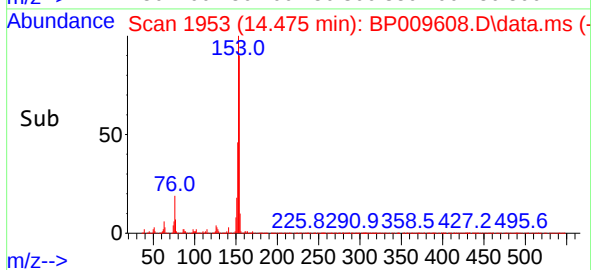
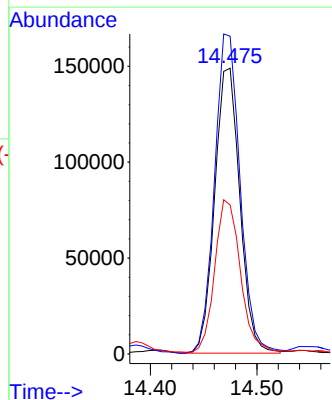
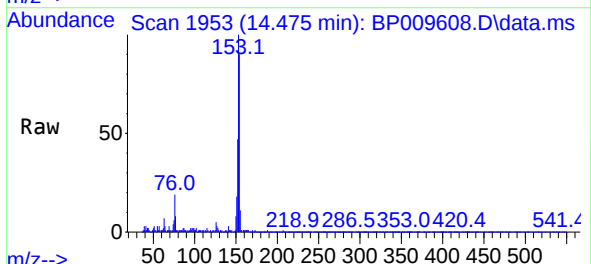
Manual Integrations
APPROVED

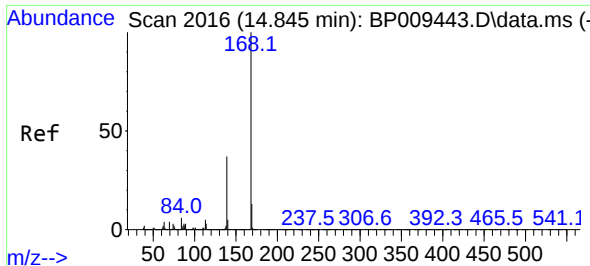
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#52
Acenaphthene
Concen: 7.032 ng
RT: 14.475 min Scan# 1953
Delta R.T. 0.000 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

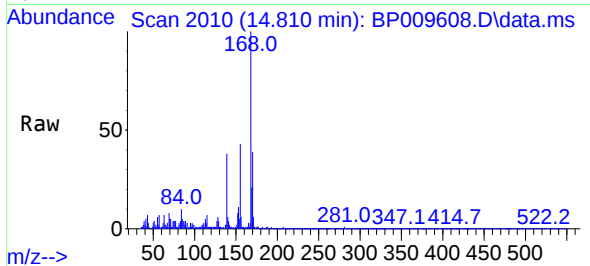
Tgt Ion:154 Resp: 244010
Ion Ratio Lower Upper
154 100
153 111.2 90.2 135.4
152 52.2 42.7 64.1





#55
Dibenzenofuran
Concen: 2.427 ng
RT: 14.810 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

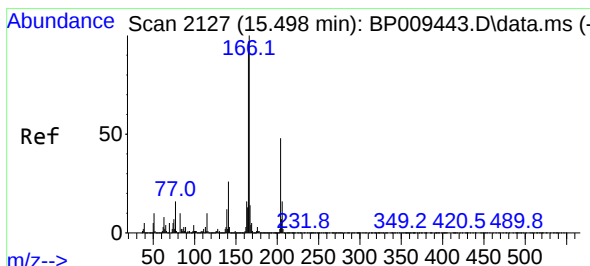
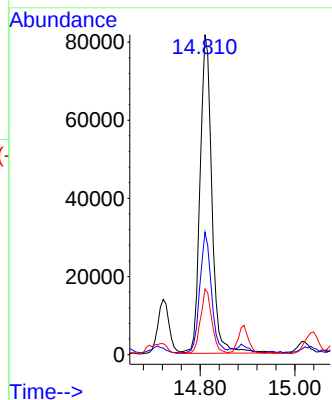
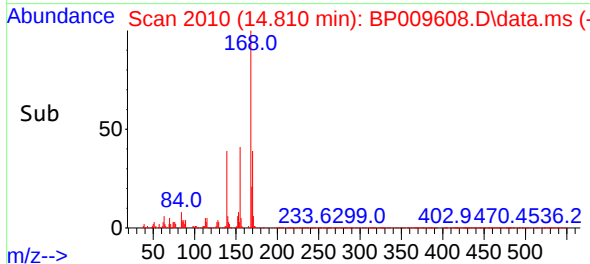
Instrument :
BNA_P
ClientSampleId :
22L076-H



Tgt Ion:168 Resp: 141458
Ion Ratio Lower Upper
168 100
139 38.3 29.1 43.7
169 20.5 10.6 16.0

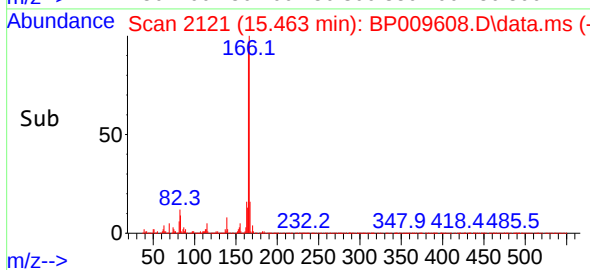
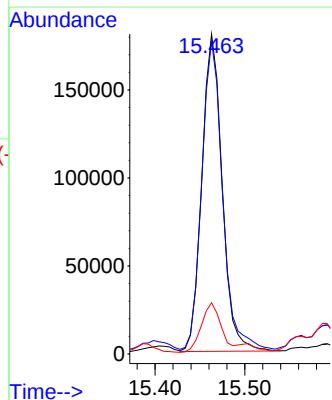
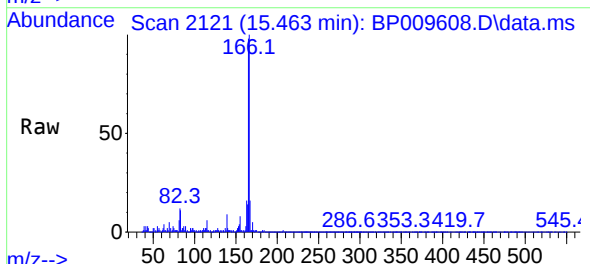
Manual Integrations
APPROVED

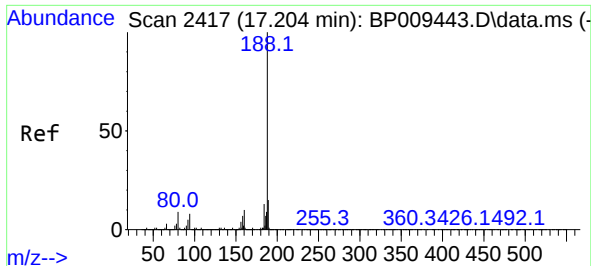
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#58
Fluorene
Concen: 6.189 ng
RT: 15.463 min Scan# 2121
Delta R.T. -0.006 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

Tgt Ion:166 Resp: 283738
Ion Ratio Lower Upper
166 100
165 97.8 79.2 118.8
167 16.0 10.7 16.1





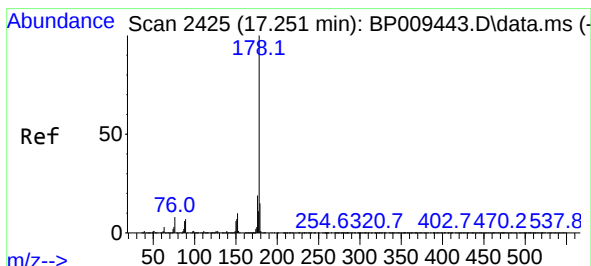
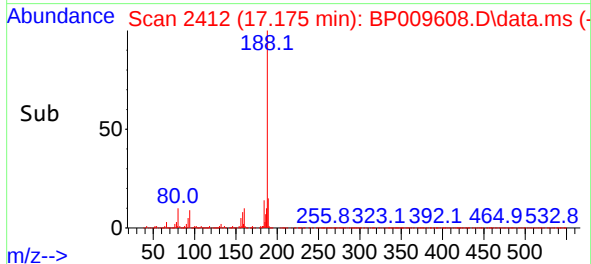
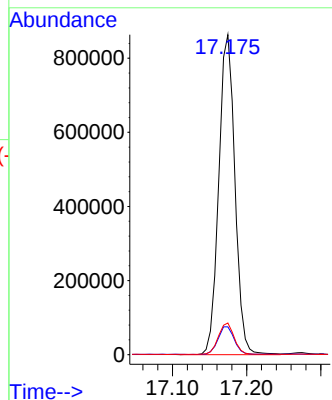
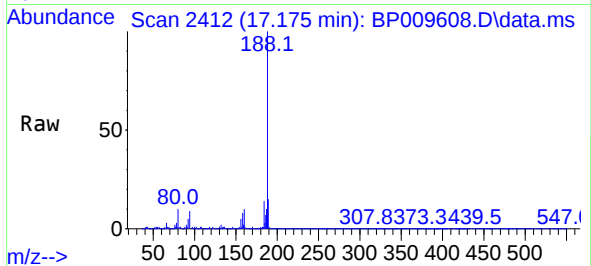
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.175 min Scan# 2417
Delta R.T. 0.000 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

Instrument :
BNA_P
ClientSampleId :
22L076-H

Tgt Ion:188 Resp: 1308000
Ion Ratio Lower Upper
188 100
94 8.7 7.9 11.9
80 9.9 8.8 13.2

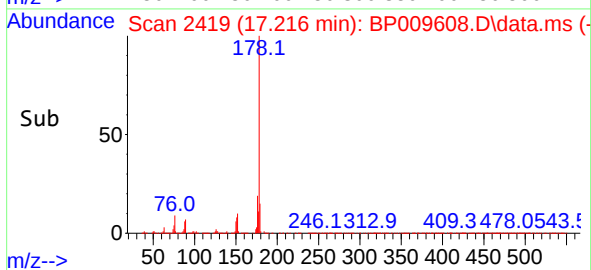
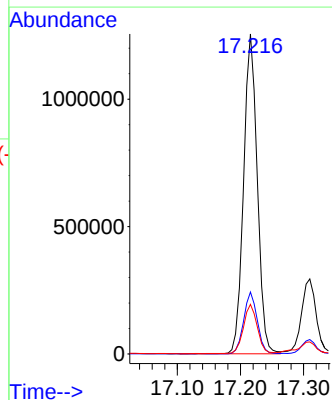
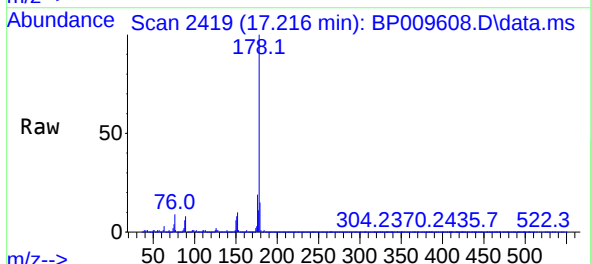
Manual Integrations
APPROVED

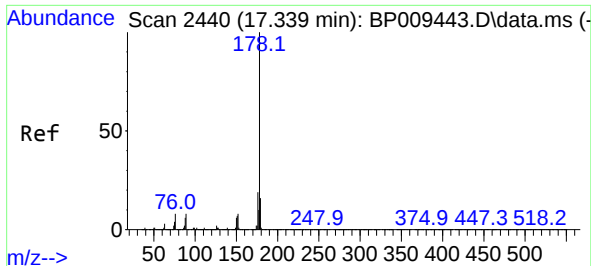
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#71
Phenanthrene
Concen: 26.976 ng
RT: 17.216 min Scan# 2419
Delta R.T. 0.000 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

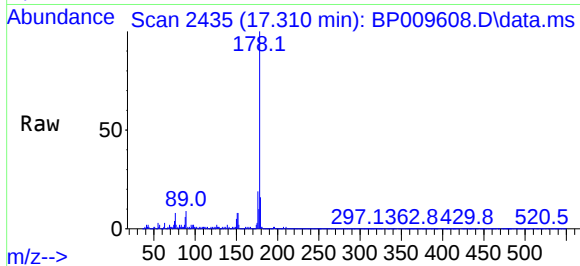
Tgt Ion:178 Resp: 1888785
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 15.5 12.3 18.5





#72
 Anthracene
 Concen: 6.540 ng
 RT: 17.310 min Scan# 2440
 Delta R.T. 0.000 min
 Lab File: BP009608.D
 Acq: 29 Mar 2022 23:00

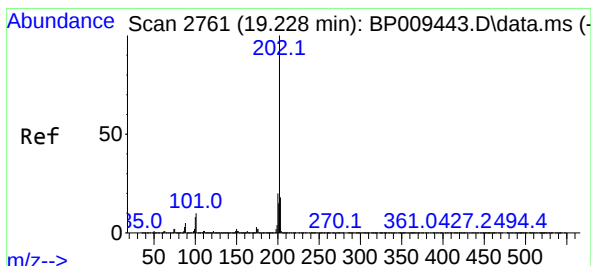
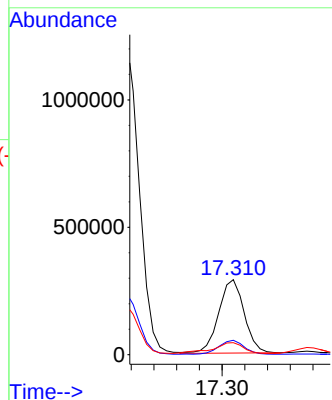
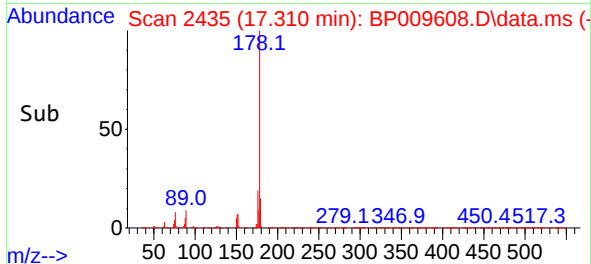
Instrument :
 BNA_P
 ClientSampleId :
 22L076-H



Tgt Ion:178 Resp: 452109
 Ion Ratio Lower Upper
 178 100
 176 19.3 14.8 22.2
 179 15.9 12.2 18.4

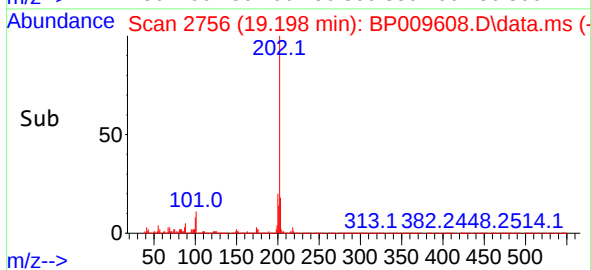
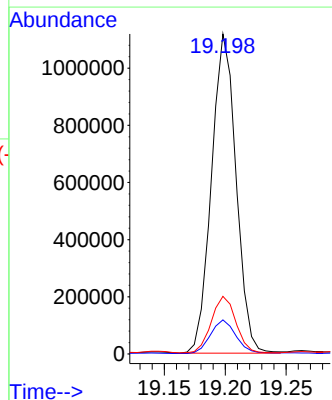
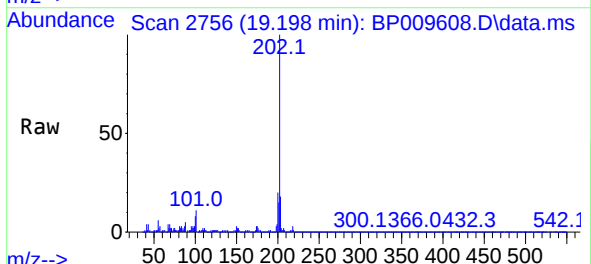
Manual Integrations
 APPROVED

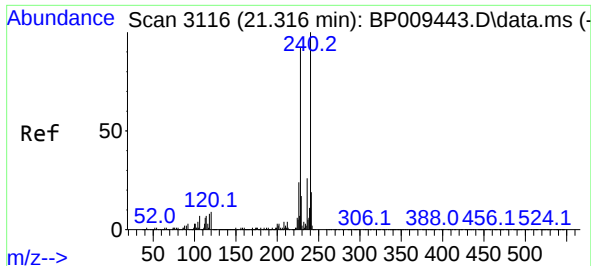
Reviewed By :Christian Giraldo 03/30/2022
 Supervised By :Jagrut Upadhyay 03/30/2022



#75
 Fluoranthene
 Concen: 18.533 ng
 RT: 19.198 min Scan# 2756
 Delta R.T. -0.006 min
 Lab File: BP009608.D
 Acq: 29 Mar 2022 23:00

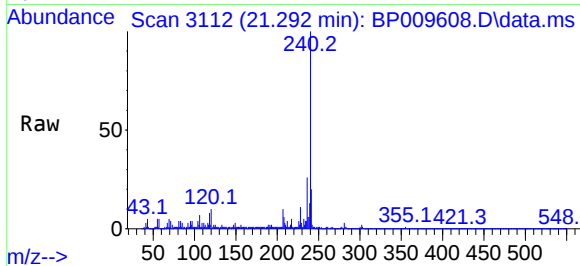
Tgt Ion:202 Resp: 1570995
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 31.5
 203 18.0 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.292 min Scan# 3116
Delta R.T. 0.000 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

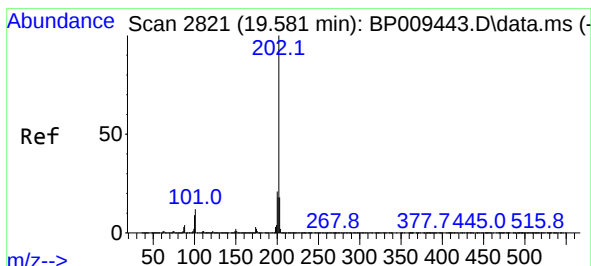
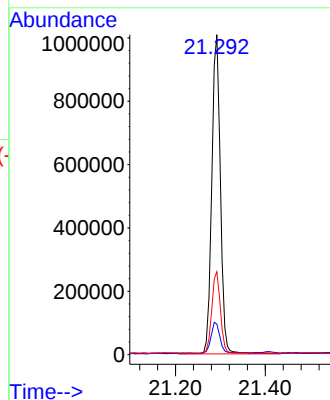
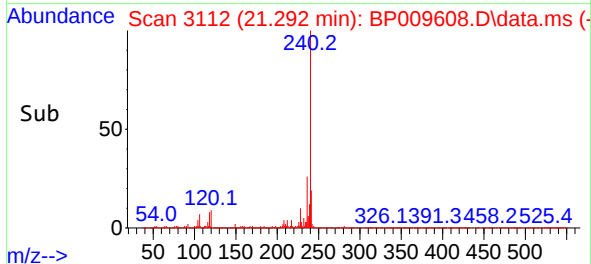
Instrument :
BNA_P
ClientSampleId :
22L076-H



Tgt Ion:240 Resp: 1340734
Ion Ratio Lower Upper
240 100
120 9.5 9.0 13.4
236 25.9 20.6 30.8

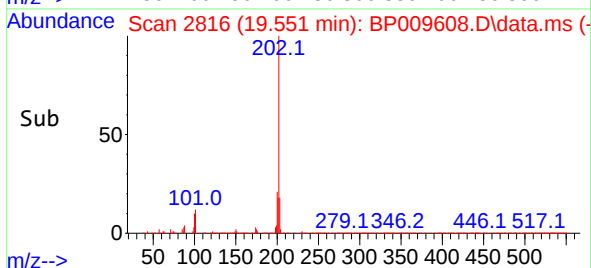
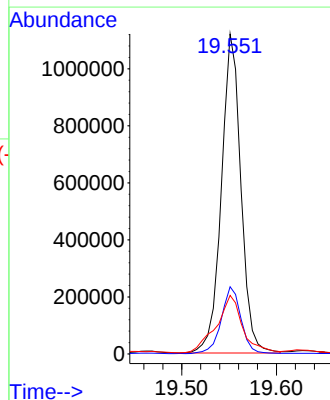
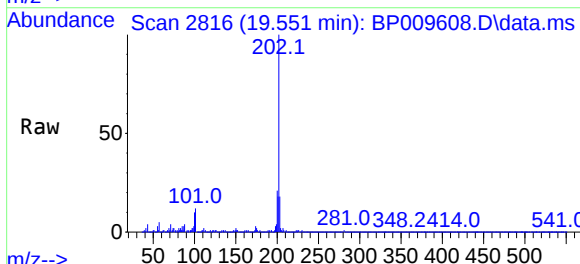
Manual Integrations
APPROVED

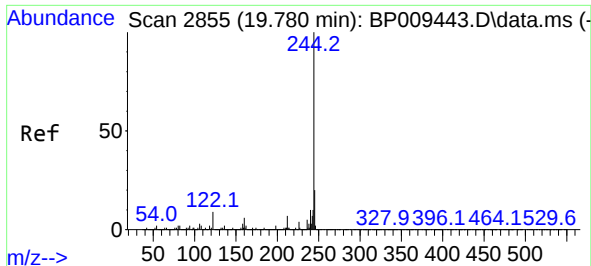
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#78
Pyrene
Concen: 18.184 ng
RT: 19.551 min Scan# 2816
Delta R.T. -0.006 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

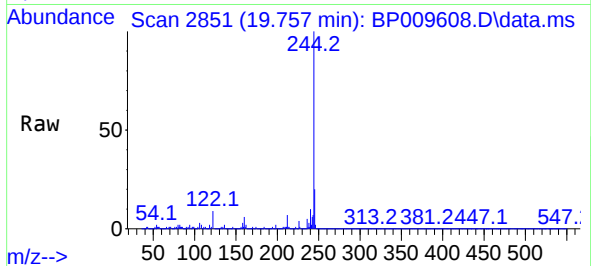
Tgt Ion:202 Resp: 1606535
Ion Ratio Lower Upper
202 100
200 21.0 16.8 25.2
203 18.3 14.2 21.4





#79
 Terphenyl-d14
 Concen: 74.426 ng
 RT: 19.757 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BP009608.D
 Acq: 29 Mar 2022 23:00

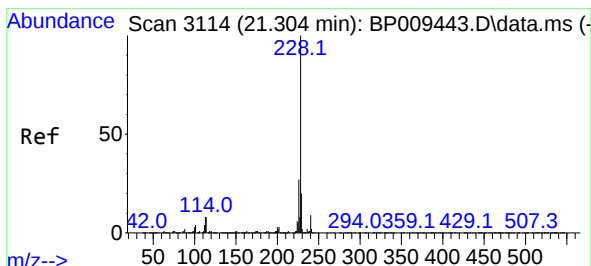
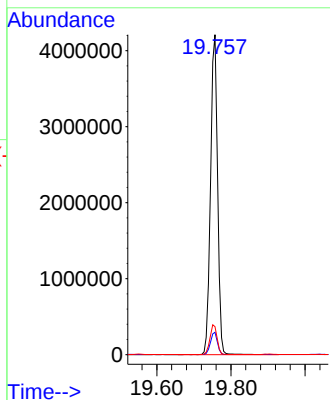
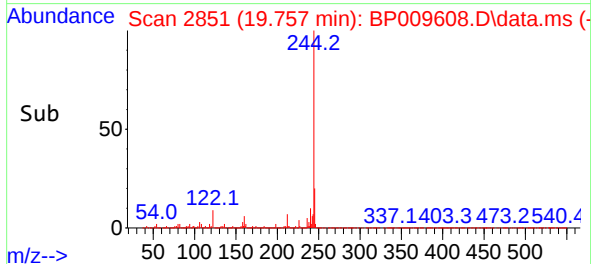
Instrument :
 BNA_P
 ClientSampleId :
 22L076-H



Tgt Ion:244 Resp: 5559399
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.6
 122 8.7 8.3 12.5

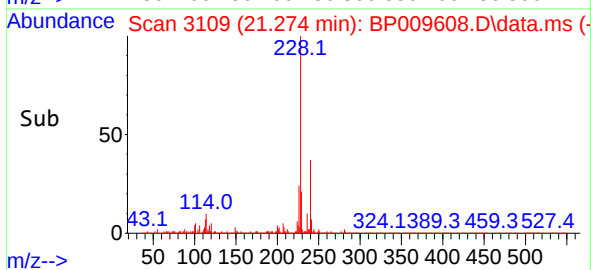
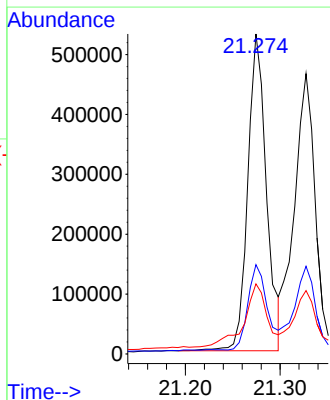
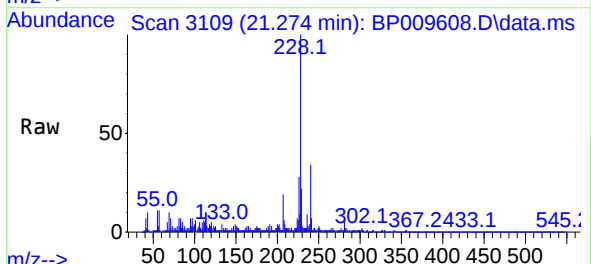
Manual Integrations
 APPROVED

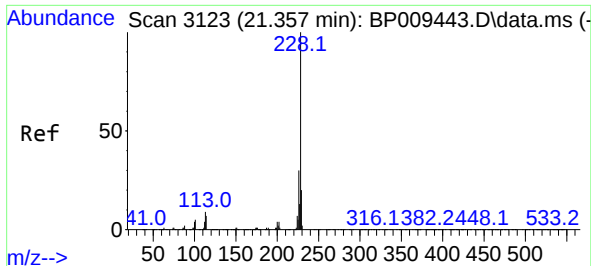
Reviewed By :Christian Giraldo 03/30/2022
 Supervised By :Jagrut Upadhyay 03/30/2022



#81
 Benzo(a)anthracene
 Concen: 8.236 ng
 RT: 21.274 min Scan# 3109
 Delta R.T. -0.006 min
 Lab File: BP009608.D
 Acq: 29 Mar 2022 23:00

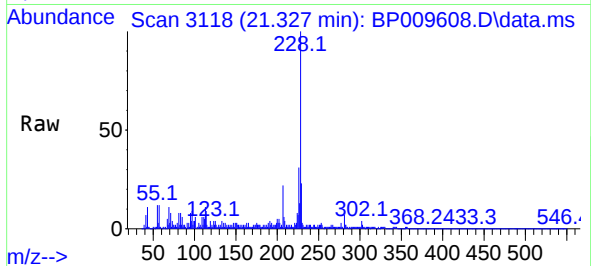
Tgt Ion:228 Resp: 725460
 Ion Ratio Lower Upper
 228 100
 226 27.9 22.0 33.0
 229 21.9 16.1 24.1





#83
Chrysene
Concen: 8.602 ng
RT: 21.327 min Scan# 3123
Delta R.T. -0.006 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

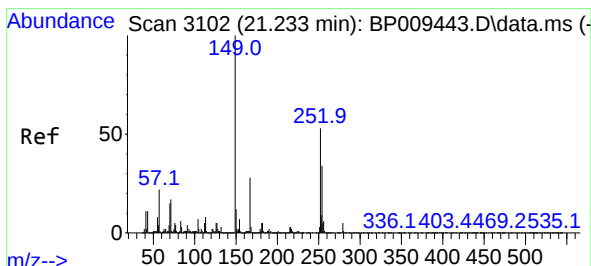
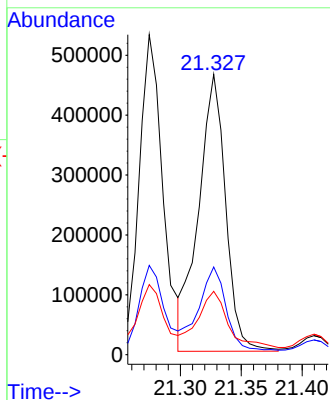
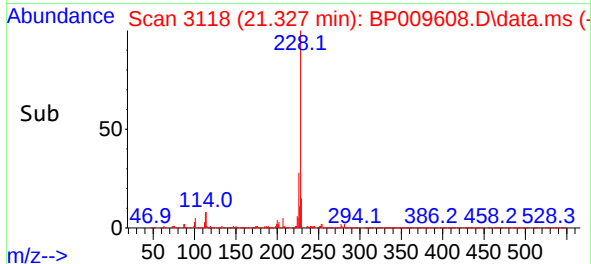
Instrument :
BNA_P
ClientSampleId :
22L076-H



Tgt Ion:228 Resp: 717498
Ion Ratio Lower Upper
228 100
226 31.3 24.2 36.2
229 22.6 16.1 24.1

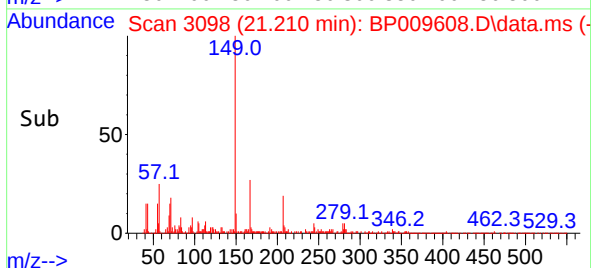
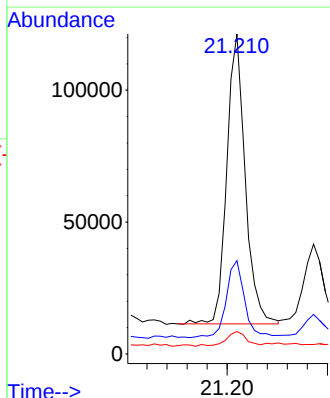
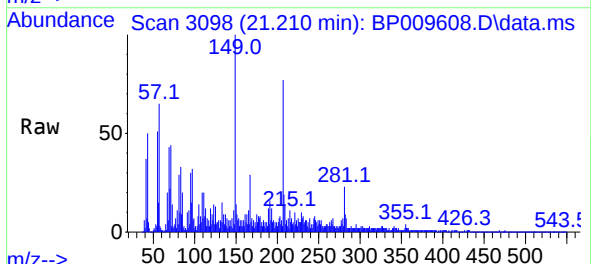
Manual Integrations
APPROVED

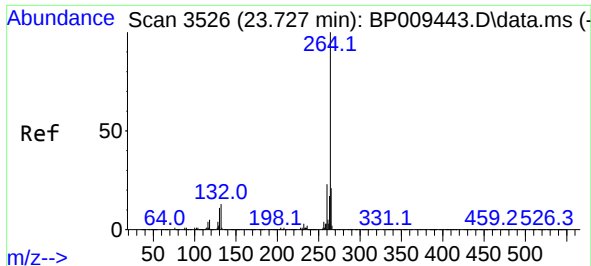
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.676 ng
RT: 21.210 min Scan# 3098
Delta R.T. 0.000 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

Tgt Ion:149 Resp: 140072
Ion Ratio Lower Upper
149 100
167 29.2 22.6 33.8
279 7.0 3.8 5.6





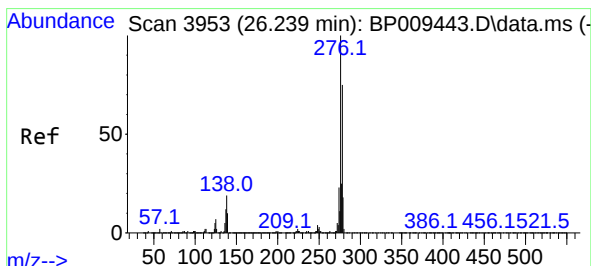
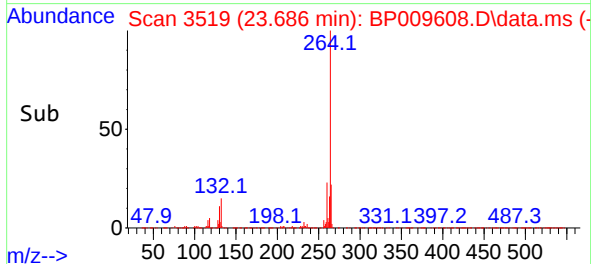
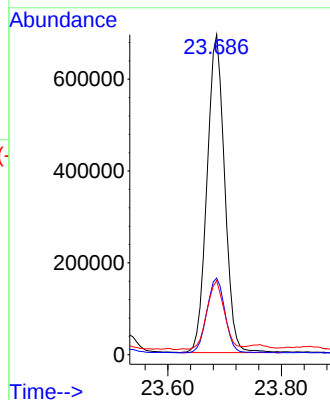
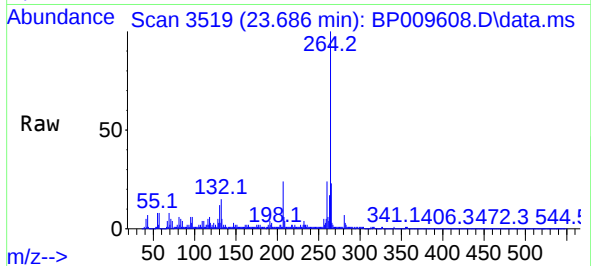
#86
Perylene-d12
Concen: 20.000 ng
RT: 23.686 min Scan# 3519
Delta R.T. 0.000 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

Instrument :
BNA_P
ClientSampleId :
22L076-H

Tgt Ion:264 Resp: 148578
Ion Ratio Lower Upper
264 100
260 23.9 19.4 29.0
265 23.2 17.2 25.8

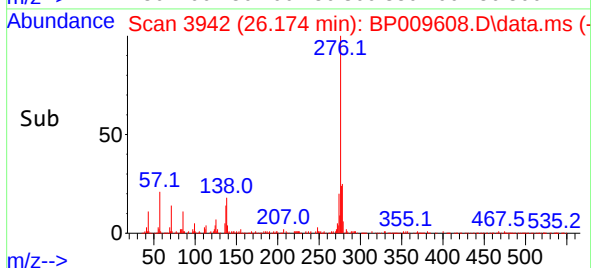
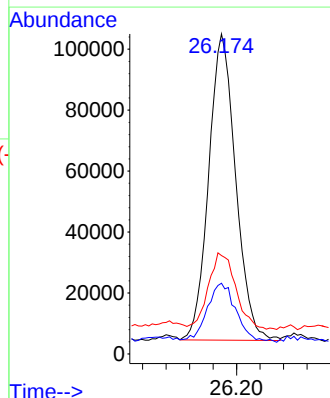
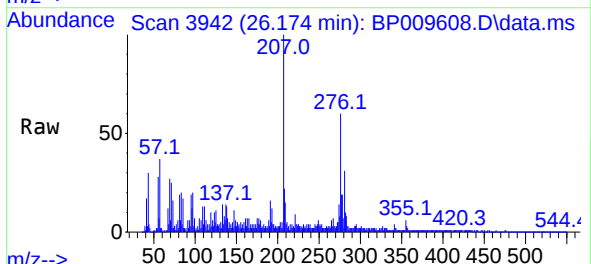
Manual Integrations
APPROVED

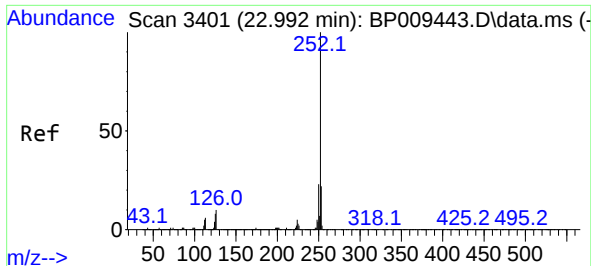
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.839 ng
RT: 26.174 min Scan# 3942
Delta R.T. -0.006 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

Tgt Ion:276 Resp: 320054
Ion Ratio Lower Upper
276 100
138 21.0 20.5 30.7
277 24.7 20.4 30.6





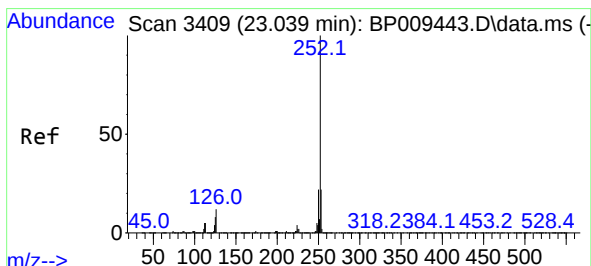
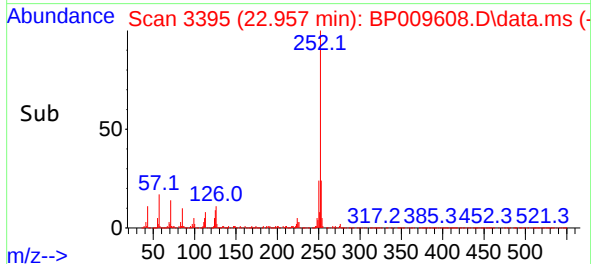
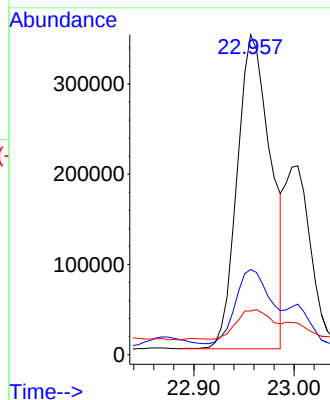
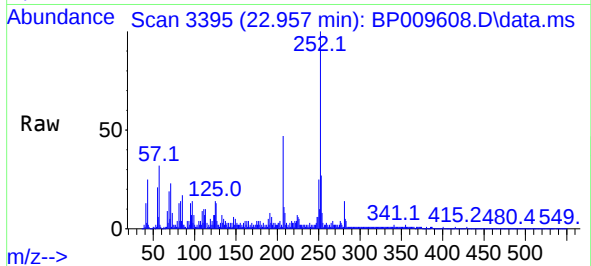
#88
Benzo(b)fluoranthene
Concen: 9.149 ng
RT: 22.957 min Scan# 311
Delta R.T. -0.006 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

Instrument :
BNA_P
ClientSampleId :
22L076-H

Tgt Ion:252 Resp: 81149
Ion Ratio Lower Upper
252 100
253 26.6 17.8 26.8
125 13.7 8.1 12.1

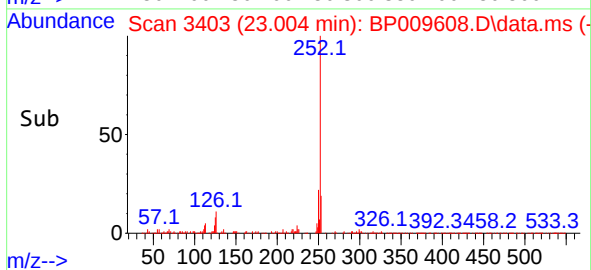
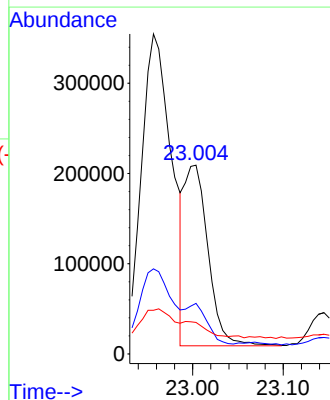
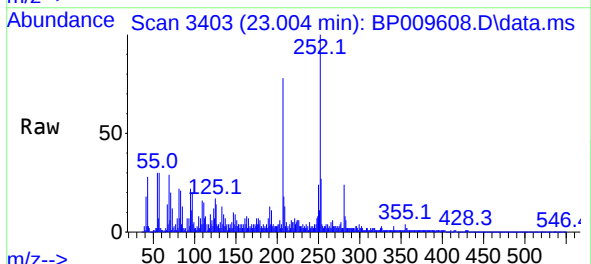
Manual Integrations
APPROVED

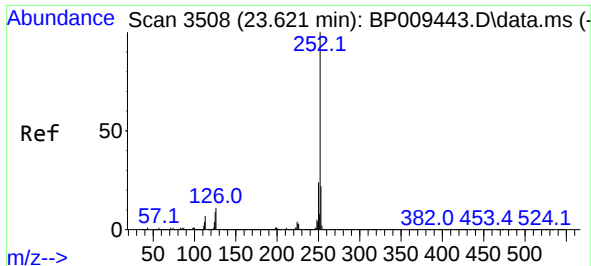
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#89
Benzo(k)fluoranthene
Concen: 4.183 ng m
RT: 23.004 min Scan# 3403
Delta R.T. 0.000 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

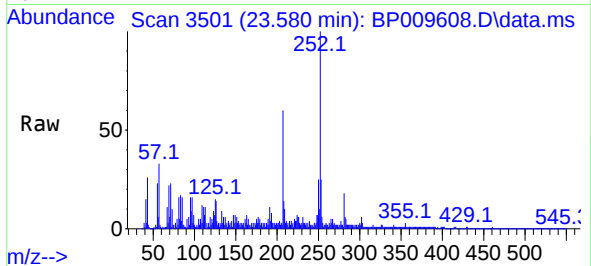
Tgt Ion:252 Resp: 363244
Ion Ratio Lower Upper
252 100
253 26.7 17.5 26.3#
125 16.7 8.3 12.5#





#90
Benzo(a)pyrene
Concen: 7.639 ng
RT: 23.580 min Scan# 30
Delta R.T. 0.000 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

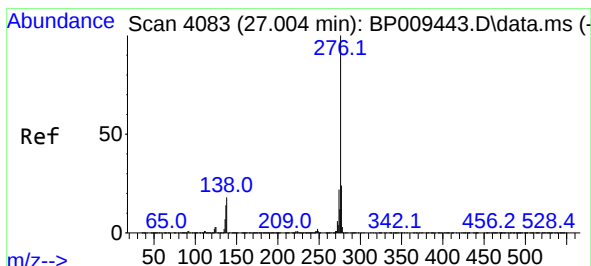
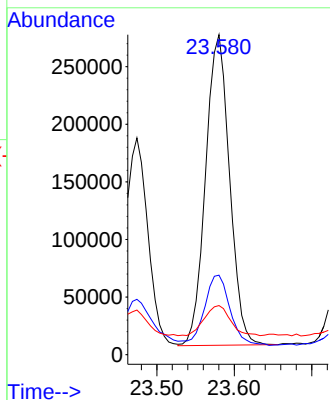
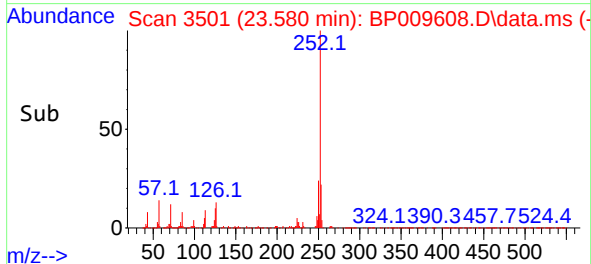
Instrument :
BNA_P
ClientSampleId :
22L076-H



Tgt Ion:252 Resp: 579699
Ion Ratio Lower Upper
252 100
253 24.9 17.8 26.6
125 15.3 9.3 13.9

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#92
Benzo(g,h,i)perylene
Concen: 3.687 ng
RT: 26.945 min Scan# 4073
Delta R.T. 0.000 min
Lab File: BP009608.D
Acq: 29 Mar 2022 23:00

Tgt Ion:276 Resp: 340740
Ion Ratio Lower Upper
276 100
277 30.8 19.2 28.8
138 20.8 18.0 27.0

