

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP033122\
 Data File : BP009636.D
 Acq On : 31 Mar 2022 13:19
 Operator : CG/JU
 Sample : N2155-04RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 22L076-DRE

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/01/2022
 Supervised By : Jagrut Upadhyay 04/01/2022

Quant Time: Mar 31 14:43:15 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 31 04:36:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.740	152	256818	20.00	ng	0.00
21) Naphthalene-d8	10.534	136	1039666	20.00	ng	0.00
39) Acenaphthene-d10	14.386	164	695539	20.00	ng	0.00
64) Phenanthrene-d10	17.157	188	1063480	20.00	ng	0.00
76) Chrysene-d12	21.274	240	1034199	20.00	ng	0.00
86) Perylene-d12	23.662	264	1153756	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.352	112	207132	14.08	ng	0.00
7) Phenol-d6	6.934	99	1073045	53.94	ng	0.00
23) Nitrobenzene-d5	8.899	82	1636437	83.64	ng	0.00
42) 2,4,6-Tribromophenol	15.898	330	64453	5.62	ng	0.00
45) 2-Fluorobiphenyl	13.010	172	3747933	74.70	ng	0.00
79) Terphenyl-d14	19.739	244	4357608	75.63	ng	0.00
Target Compounds						Qvalue
15) Benzyl Alcohol	7.987	79	127606	8.05	ng	98
31) Naphthalene	10.581	128	374281	6.99	ng	99
37) 2-Methylnaphthalene	12.198	142	215840	5.74	ng	99
38) 1-Methylnaphthalene	12.422	142	129738	3.54	ng	97
52) Acenaphthene	14.451	154	148444	3.94	ng	98
55) Dibenzofuran	14.792	168	156659	2.48	ng	# 95
58) Fluorene	15.445	166	148485	2.98	ng	# 97
71) Phenanthrene	17.198	178	1530310	26.88	ng	99
72) Anthracene	17.292	178	382619	6.81	ng	99
73) Carbazole	17.569	167	163323	2.97	ng	98
75) Fluoranthene	19.186	202	1830930	26.57	ng	98
78) Pyrene	19.539	202	1575530	23.12	ng	99
81) Benzo(a)anthracene	21.263	228	831068	12.23	ng	99
83) Chrysene	21.316	228	724151	11.26	ng	97
84) Bis(2-ethylhexyl)phtha...	21.192	149	156419	3.87	ng	# 98
87) Indeno(1,2,3-cd)pyrene	26.151	276	507575	5.80	ng	# 91
88) Benzo(b)fluoranthene	22.939	252	976918m	14.18	ng	
89) Benzo(k)fluoranthene	22.980	252	265343m	3.93	ng	
90) Benzo(a)pyrene	23.557	252	668102	11.34	ng	97
92) Benzo(g,h,i)perylene	26.915	276	530669	7.39	ng	95

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

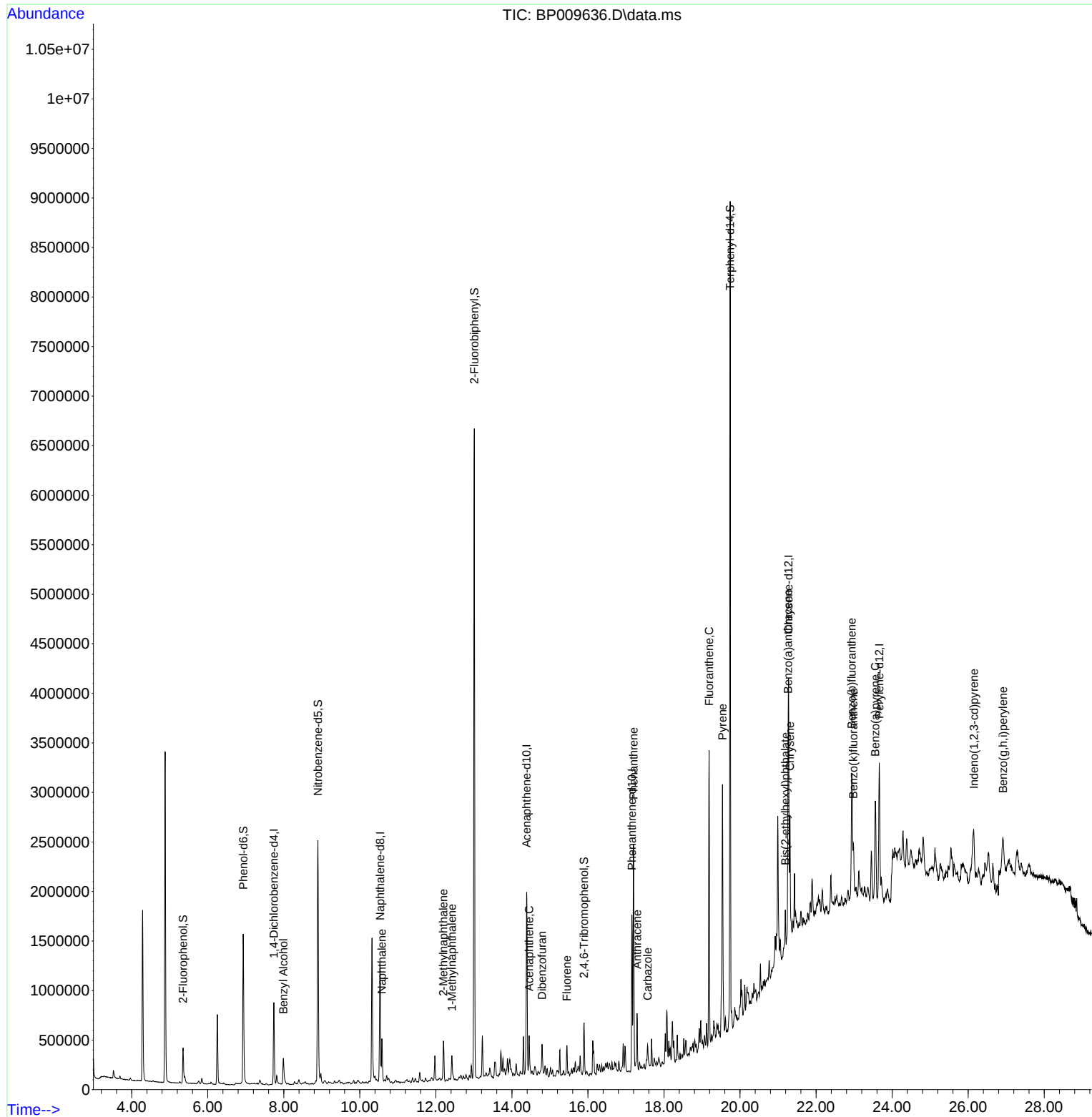
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP033122\
Data File : BP009636.D
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ALS Vial : 5 Sample Multiplier: 1

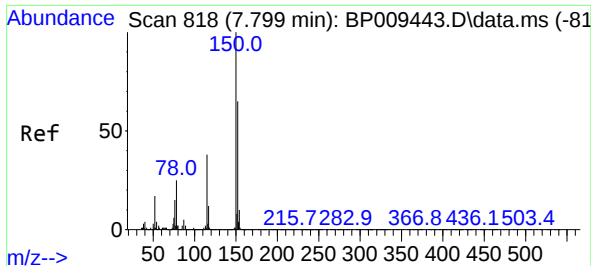
Instrument :
BNA_P
ClientSampleId :
22L076-DRE

Quant Time: Mar 31 14:43:15 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 31 04:36:51 2022
Response via : Initial Calibration

Manual Integrations
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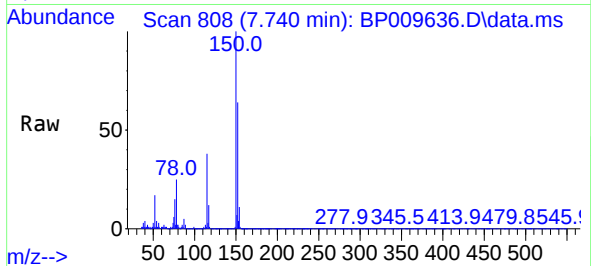
Reviewed By :Christian Giraldo 04/01/2022
Supervised By :Jagrut Upadhyay 04/01/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.740 min Scan# 80
Delta R.T. -0.000 min
Lab File: BP009636.D
Acq: 31 Mar 2022 13:19

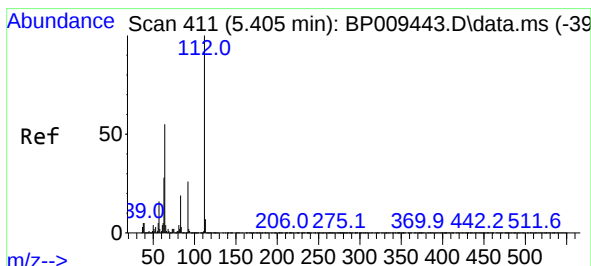
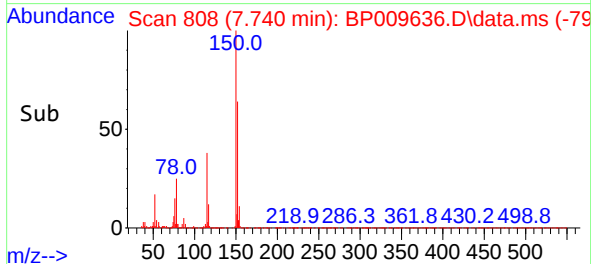
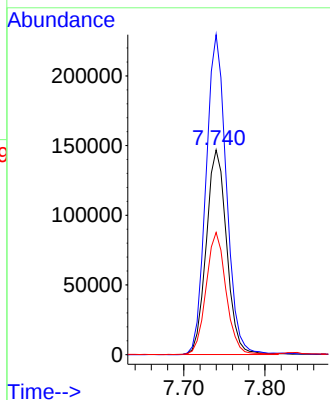
Instrument :
BNA_P
ClientSampleId :
22L076-DRE



Tgt Ion:152 Resp: 256818
Ion Ratio Lower Upper
152 100
150 156.3 124.5 186.7
115 59.7 48.2 72.4

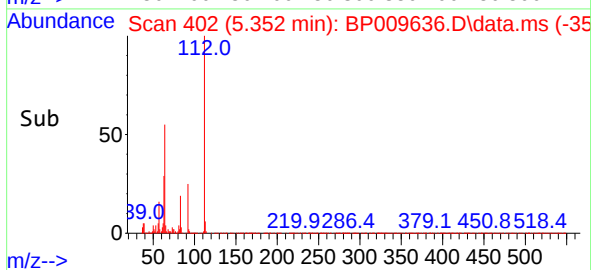
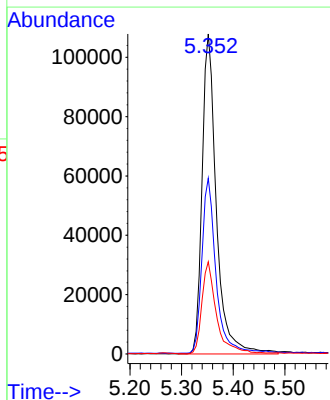
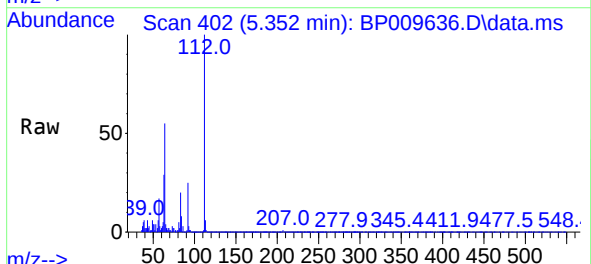
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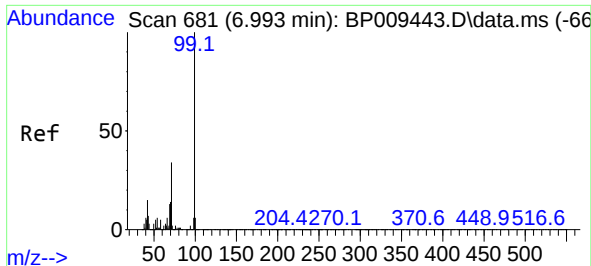
Reviewed By :Christian Giraldo 04/01/2022
Supervised By :Jagrut Upadhyay 04/01/2022



#5
2-Fluorophenol
Concen: 14.08 ng
RT: 5.352 min Scan# 402
Delta R.T. 0.006 min
Lab File: BP009636.D
Acq: 31 Mar 2022 13:19

Tgt Ion:112 Resp: 207132
Ion Ratio Lower Upper
112 100
64 54.9 45.0 67.4
63 28.8 23.0 34.6





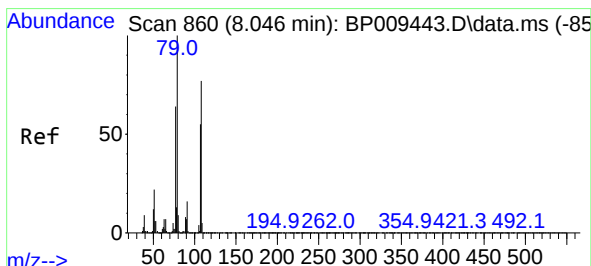
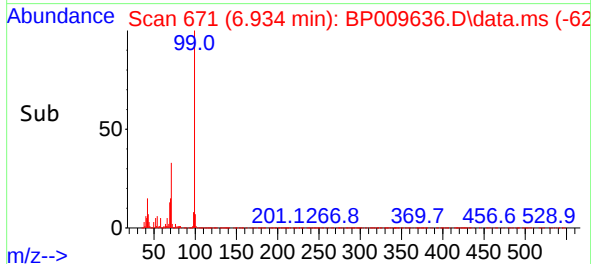
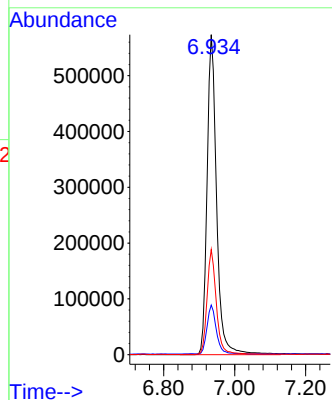
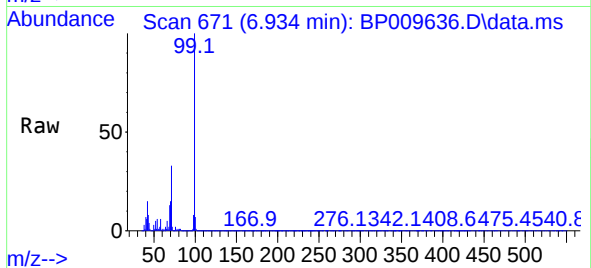
#7
Phenol-d6
Concen: 53.94 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP009636.D
Acq: 31 Mar 2022 13:19

Instrument :
BNA_P
ClientSampleId :
22L076-DRE

Tgt Ion: 99 Resp: 107304
Ion Ratio Lower Upper
99 100
42 15.5 12.8 19.2
71 32.9 26.3 39.5

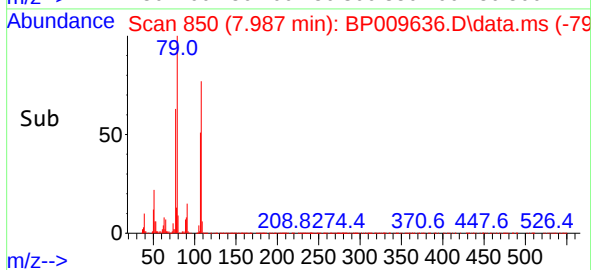
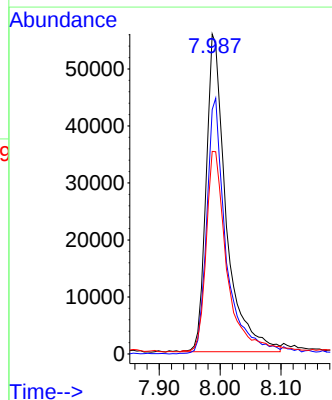
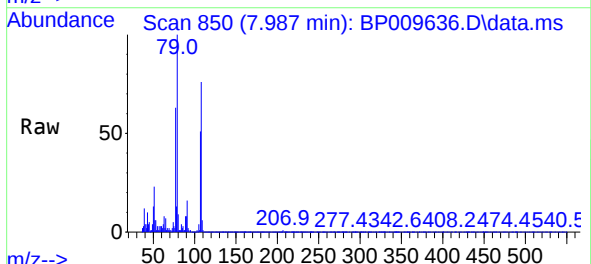
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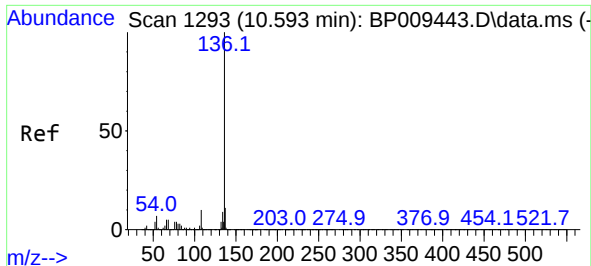
Reviewed By :Christian Giraldo 04/01/2022
Supervised By :Jagrut Upadhyay 04/01/2022



#15
Benzyl Alcohol
Concen: 8.05 ng
RT: 7.987 min Scan# 850
Delta R.T. -0.000 min
Lab File: BP009636.D
Acq: 31 Mar 2022 13:19

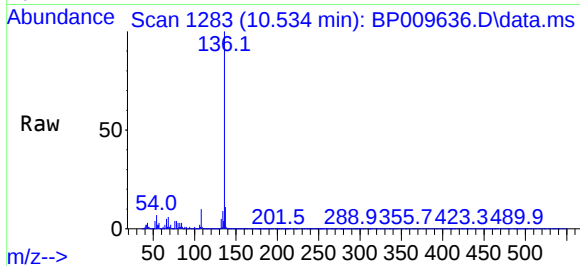
Tgt Ion: 79 Resp: 127606
Ion Ratio Lower Upper
79 100
108 76.3 62.5 93.7
77 63.3 51.7 77.5





#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.534 min Scan# 1005
Delta R.T. -0.000 min
Lab File: BP009636.D
Acq: 31 Mar 2022 13:19

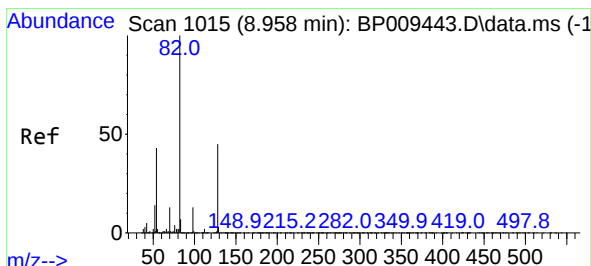
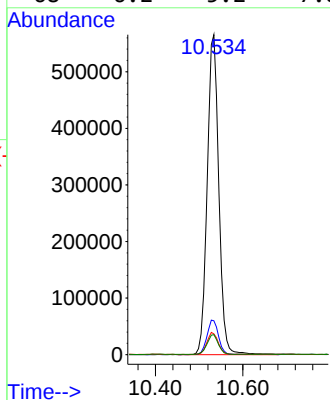
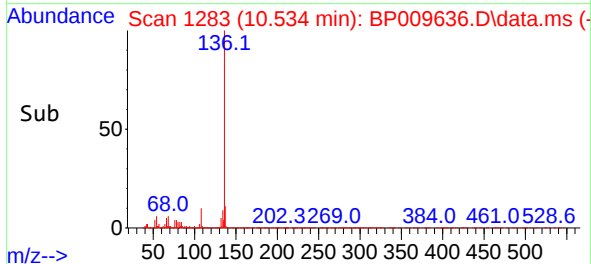
Instrument :
BNA_P
ClientSampleId :
22L076-DRE



Tgt Ion:136 Resp: 1039660
Ion Ratio Lower Upper
136 100
137 10.6 8.6 12.8
54 6.5 5.8 8.8
68 6.2 5.2 7.8

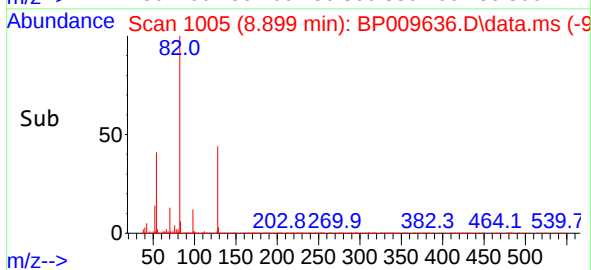
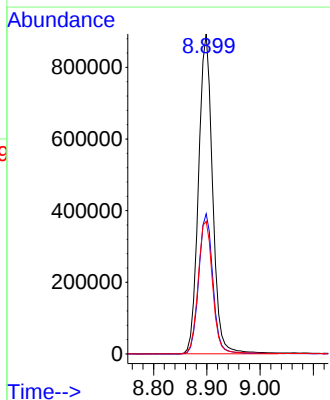
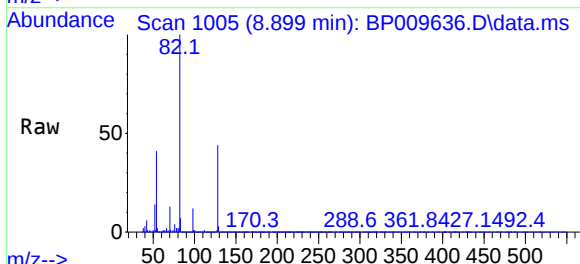
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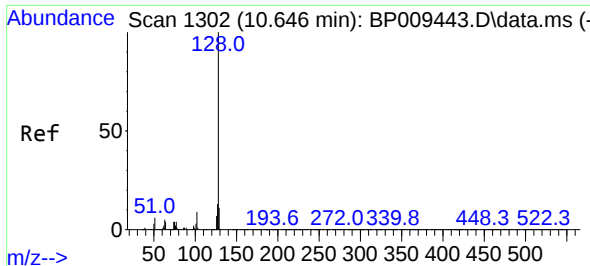
Reviewed By :Christian Giraldo 04/01/2022
Supervised By :Jagrut Upadhyay 04/01/2022



#23
Nitrobenzene-d5
Concen: 83.64 ng
RT: 8.899 min Scan# 1005
Delta R.T. -0.000 min
Lab File: BP009636.D
Acq: 31 Mar 2022 13:19

Tgt Ion: 82 Resp: 1636437
Ion Ratio Lower Upper
82 100
128 43.8 34.2 51.4
54 41.4 34.7 52.1





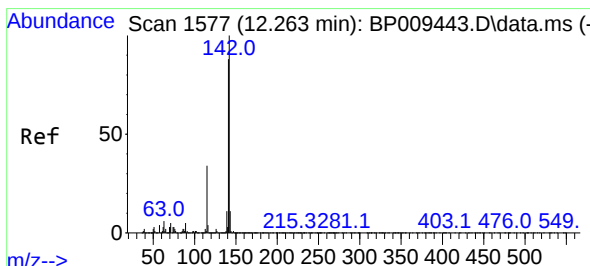
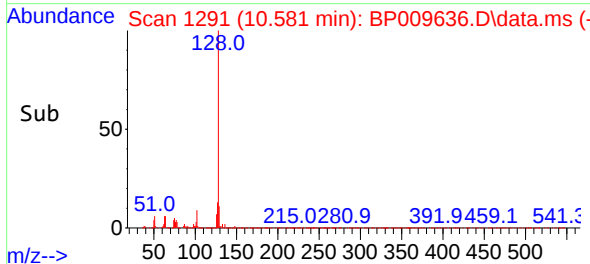
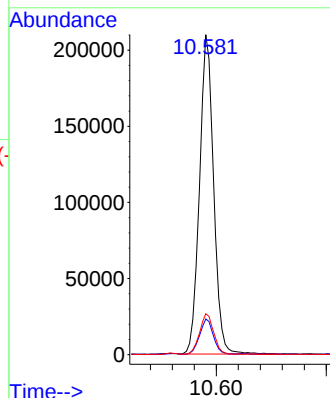
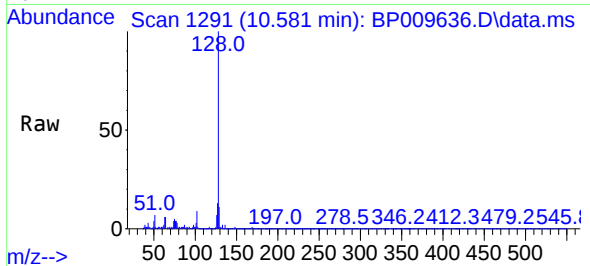
#31
Naphthalene
Concen: 6.99 ng
RT: 10.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP009636.D
Acq: 31 Mar 2022 13:19

Instrument :
BNA_P
ClientSampleId :
22L076-DRE

Tgt Ion:128 Resp: 37428
Ion Ratio Lower Upper
128 100
129 11.1 8.6 13.0
127 12.8 10.5 15.7

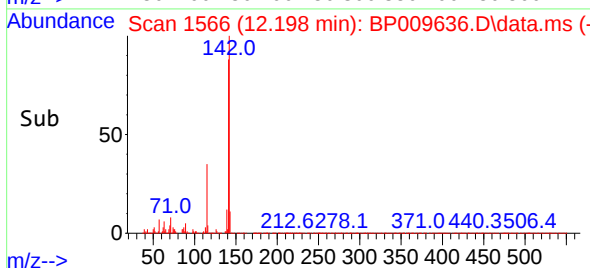
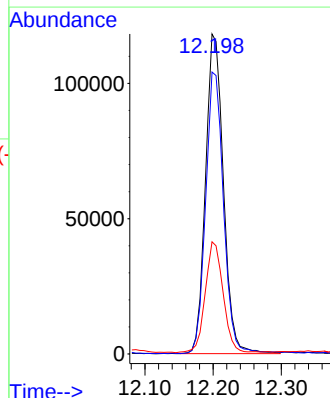
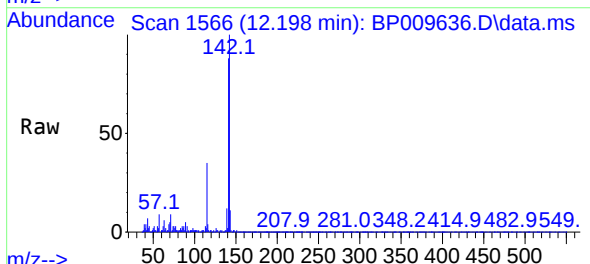
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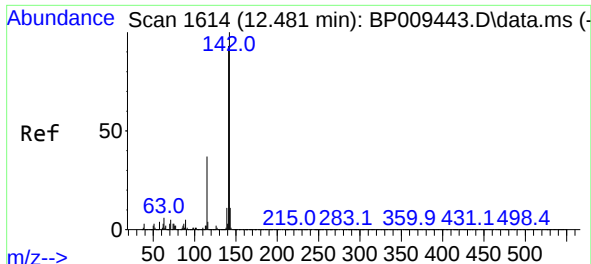
Reviewed By :Christian Giraldo 04/01/2022
Supervised By :Jagrut Upadhyay 04/01/2022



#37
2-Methylnaphthalene
Concen: 5.74 ng
RT: 12.198 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BP009636.D
Acq: 31 Mar 2022 13:19

Tgt Ion:142 Resp: 215840
Ion Ratio Lower Upper
142 100
141 88.1 70.2 105.4
115 35.1 27.4 41.2





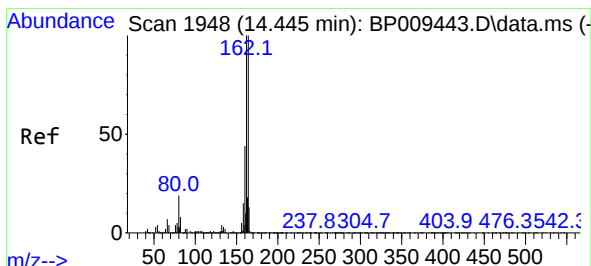
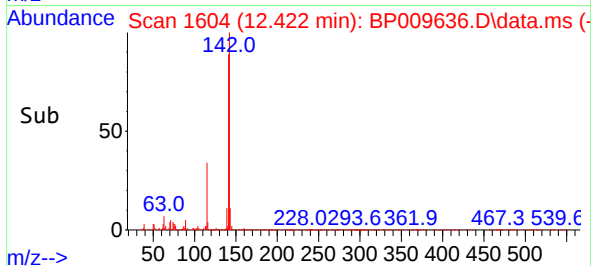
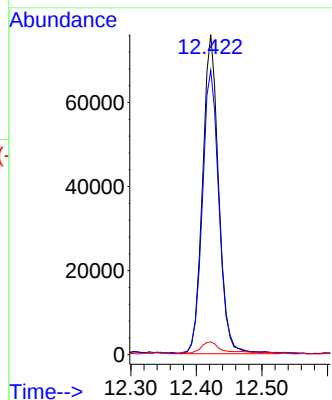
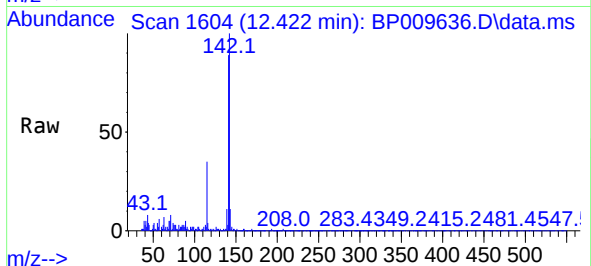
#38
1-Methylnaphthalene
Concen: 3.54 ng
RT: 12.422 min Scan# 10
Delta R.T. -0.000 min
Lab File: BP009636.D
Acq: 31 Mar 2022 13:19

Instrument :
BNA_P
ClientSampleId :
22L076-DRE

Tgt Ion:142 Resp: 129738
Ion Ratio Lower Upper
142 100
141 88.9 73.5 110.3
116 4.0 3.3 4.9

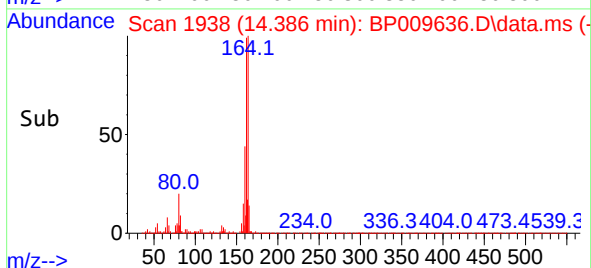
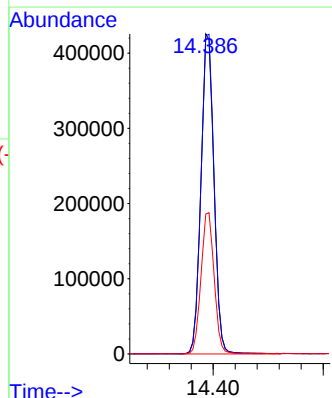
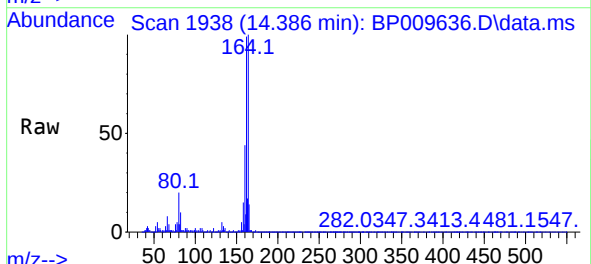
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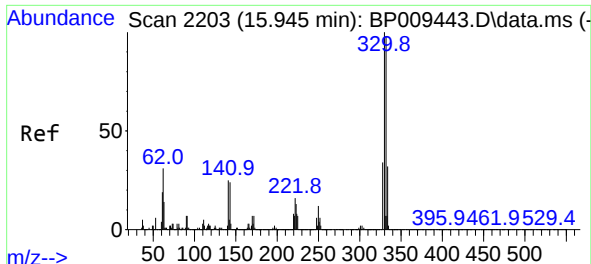
Reviewed By :Christian Giraldo 04/01/2022
Supervised By :Jagrut Upadhyay 04/01/2022



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.386 min Scan# 1938
Delta R.T. -0.006 min
Lab File: BP009636.D
Acq: 31 Mar 2022 13:19

Tgt Ion:164 Resp: 695539
Ion Ratio Lower Upper
164 100
162 99.5 79.1 118.7
160 43.8 34.9 52.3





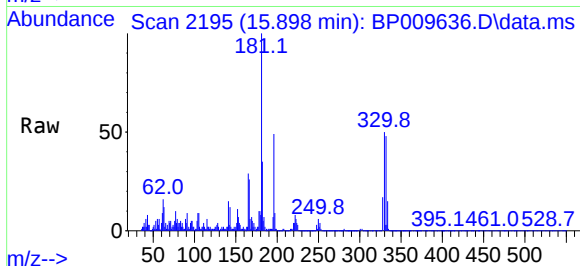
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2,4,6-Tribromophenol
Concen: 5.62 ng
RT: 15.898 min Scan# 2195
Delta R.T. 0.006 min
Lab File: BP009636.D
Acq: 31 Mar 2022 13:19

Instrument :

BNA_P

ClientSampleId :

22L076-DRE

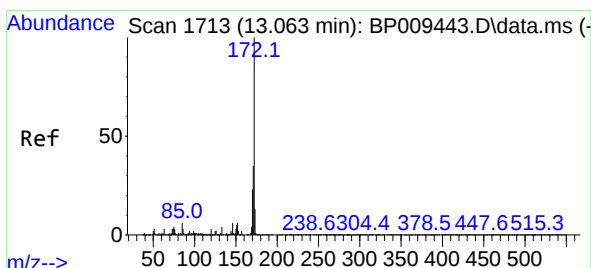
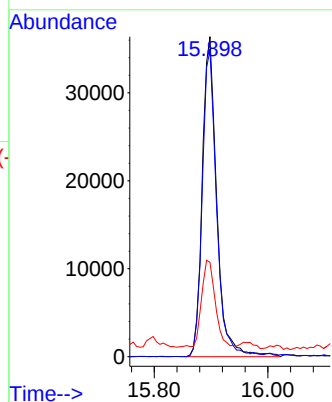
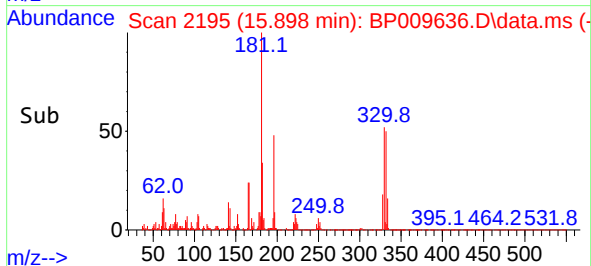


Tgt Ion:330 Resp: 6445
Ion Ratio Lower Upper
330 100
332 94.5 77.0 115.6
141 28.3 27.6 41.4

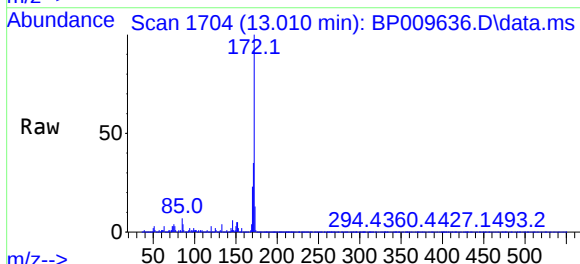
Manual Integrations

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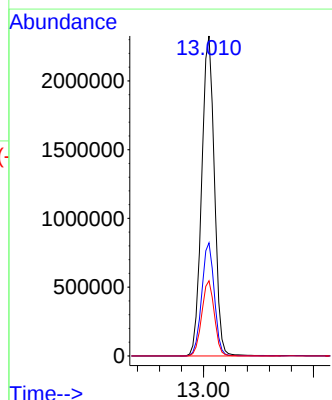
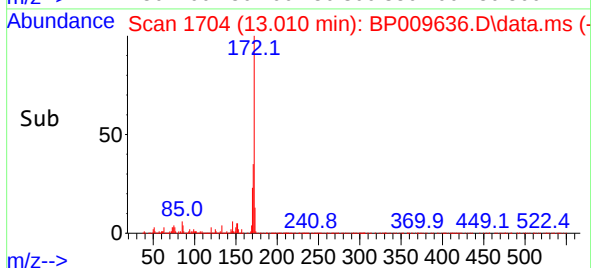
Reviewed By :Christian Giraldo 04/01/2022
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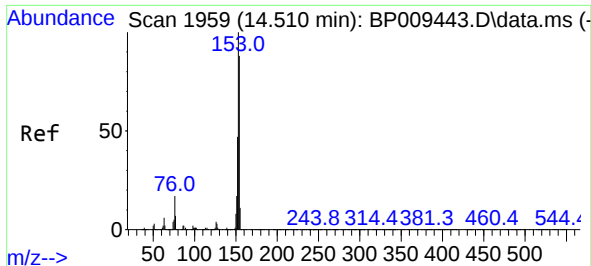


#45
2-Fluorobiphenyl
Concen: 74.70 ng
RT: 13.010 min Scan# 1704
Delta R.T. -0.000 min
Lab File: BP009636.D
Acq: 31 Mar 2022 13:19



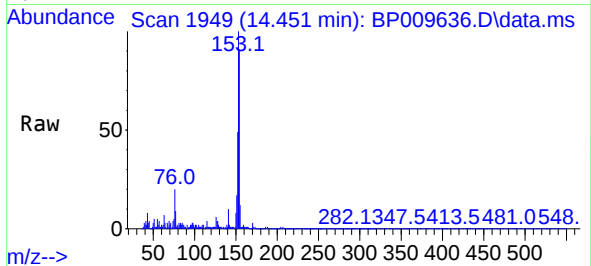
Tgt Ion:172 Resp: 3747933
Ion Ratio Lower Upper
172 100
171 35.3 28.0 42.0
170 23.5 18.6 27.8





#52
Acenaphthene
Concen: 3.94 ng
RT: 14.451 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BP009636.D
Acq: 31 Mar 2022 13:19

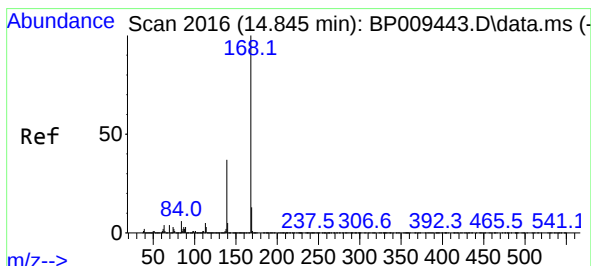
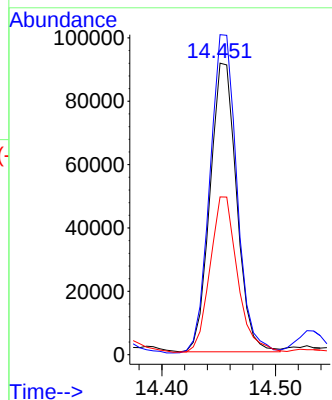
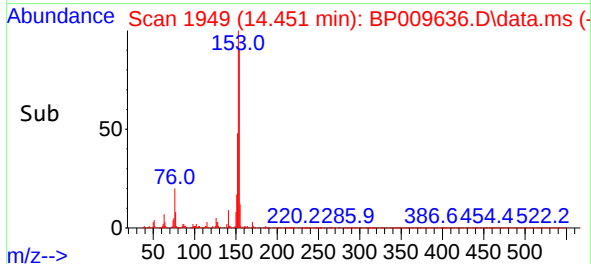
Instrument :
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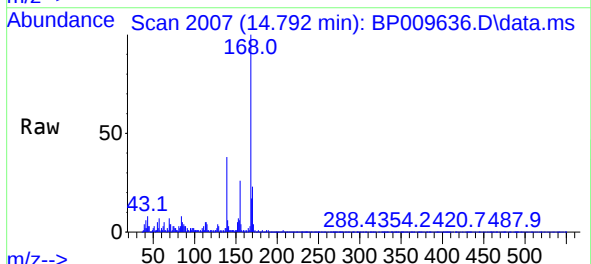
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Ion Ratio Lower Upper
154 100
153 109.8 90.2 135.4
152 54.1 42.7 64.1

Manual Integrations
APPROVED

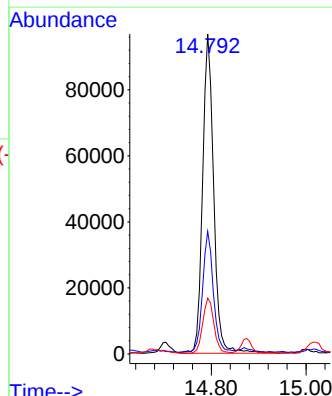
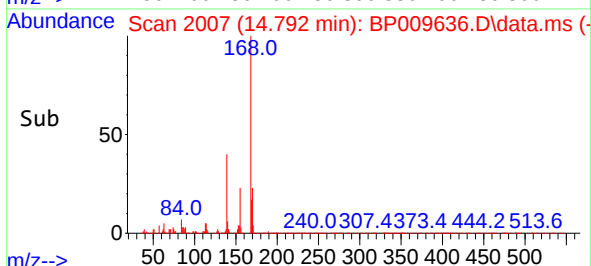
Reviewed By :Christian Giraldo 04/01/2022
Supervised By :Jagrut Upadhyay 04/01/2022

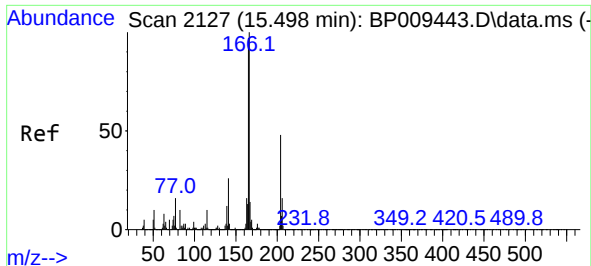


#55
Dibenzofuran
Concen: 2.48 ng
RT: 14.792 min Scan# 2007
Delta R.T. -0.000 min
Lab File: BP009636.D
Acq: 31 Mar 2022 13:19



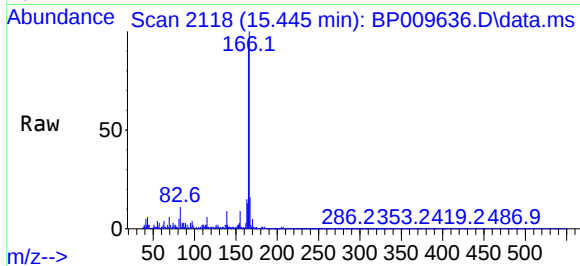
Tgt Ion:168 Resp: 156659
Ion Ratio Lower Upper
168 100
139 38.3 29.1 43.7
169 17.4 10.6 16.0#





#58
Fluorene
Concen: 2.98 ng
RT: 15.445 min Scan# 2127
Delta R.T. -0.000 min
Lab File: BP009636.D
Acq: 31 Mar 2022 13:19

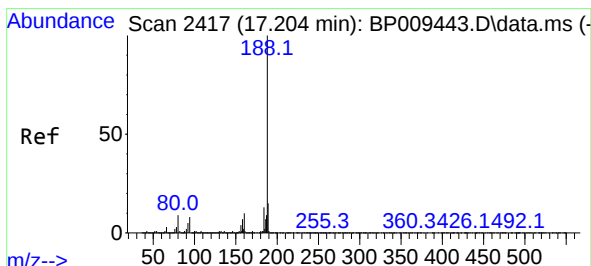
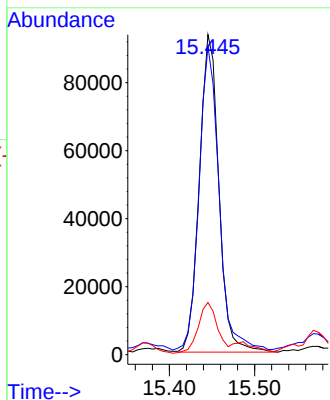
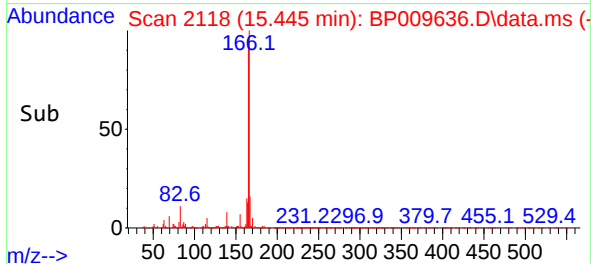
Instrument :
BNA_P
ClientSampleId :
22L076-DRE



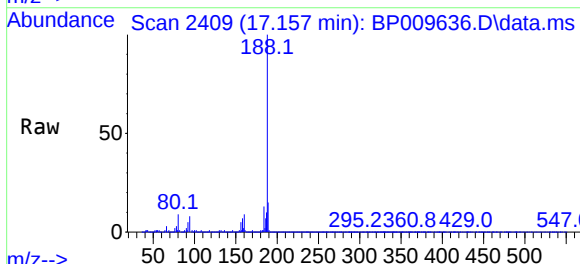
Tgt Ion:166 Resp: 148485
Ion Ratio Lower Upper
166 100
165 96.3 79.2 118.8
167 16.3 10.7 16.1

Manual Integrations
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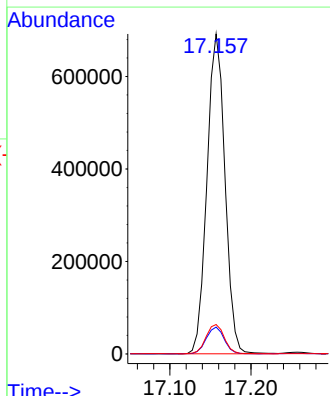
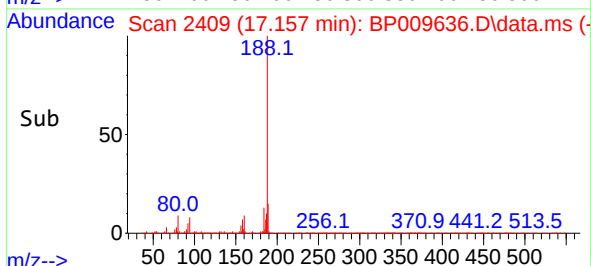
Reviewed By :Christian Giraldo 04/01/2022
Supervised By :Jagrut Upadhyay 04/01/2022

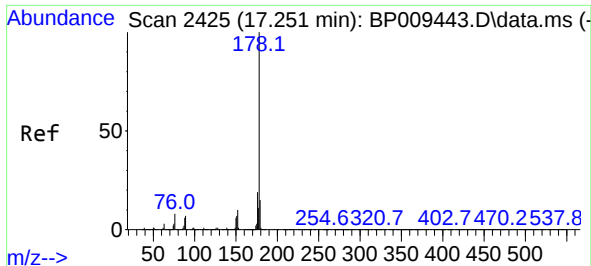


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.157 min Scan# 2409
Delta R.T. -0.000 min
Lab File: BP009636.D
Acq: 31 Mar 2022 13:19



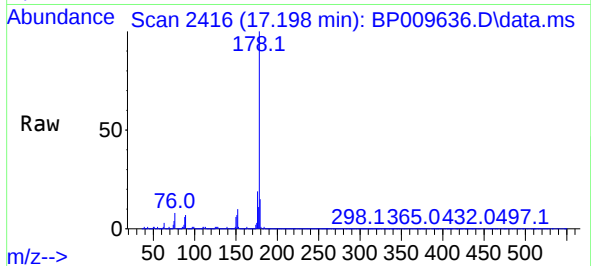
Tgt Ion:188 Resp: 1063480
Ion Ratio Lower Upper
188 100
94 8.4 7.9 11.9
80 9.2 8.8 13.2





#71
Phenanthrene
Concen: 26.88 ng
RT: 17.198 min Scan# 2425
Delta R.T. -0.000 min
Lab File: BP009636.D
Acq: 31 Mar 2022 13:19

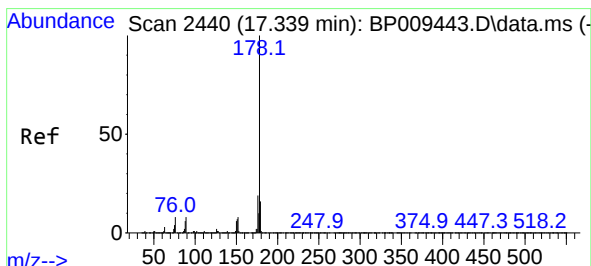
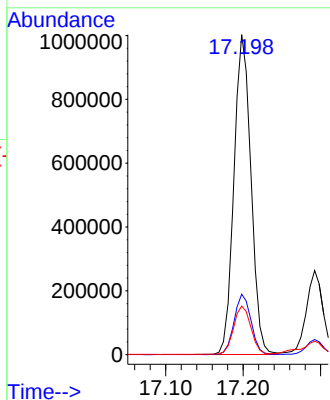
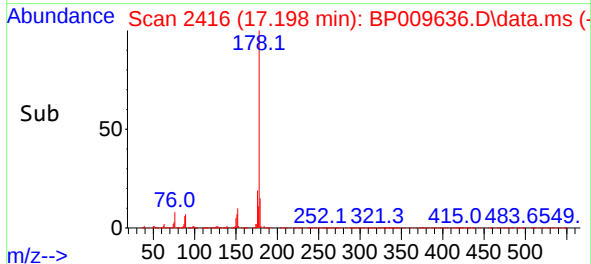
Instrument :
BNA_P
ClientSampleId :
22L076-DRE



Tgt Ion:178 Resp: 1530310
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 15.2 12.3 18.5

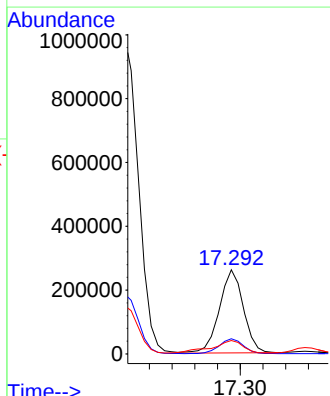
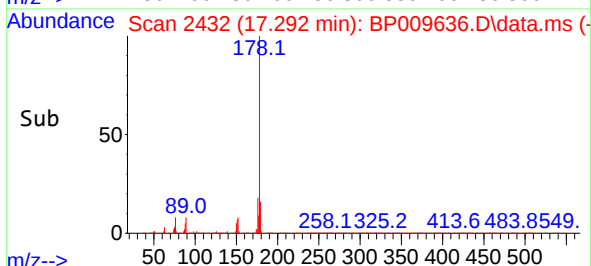
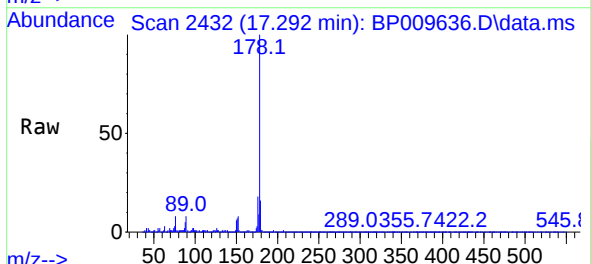
Manual Integrations
APPROVED

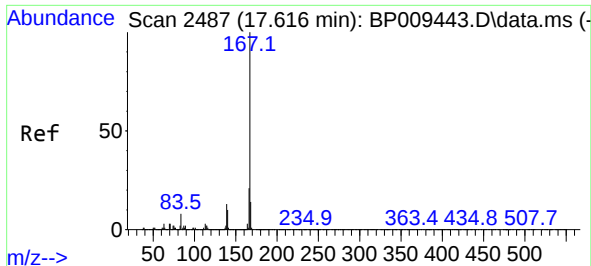
Reviewed By :Christian Giraldo 04/01/2022
Supervised By :Jagrut Upadhyay 04/01/2022



#72
Anthracene
Concen: 6.81 ng
RT: 17.292 min Scan# 2432
Delta R.T. -0.000 min
Lab File: BP009636.D
Acq: 31 Mar 2022 13:19

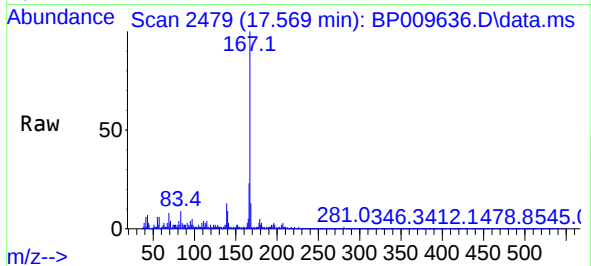
Tgt Ion:178 Resp: 382619
Ion Ratio Lower Upper
178 100
176 18.1 14.8 22.2
179 16.0 12.2 18.4





#73
 Carbazole
 Concen: 2.97 ng
 RT: 17.569 min Scan# 24
 Delta R.T. -0.000 min
 Lab File: BP009636.D
 Acq: 31 Mar 2022 13:19

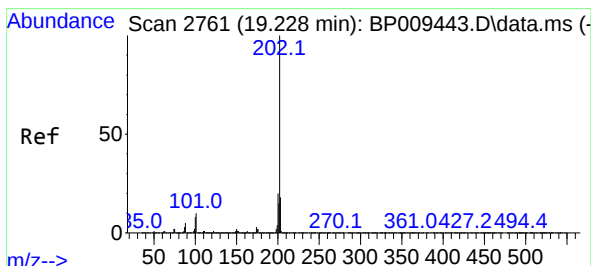
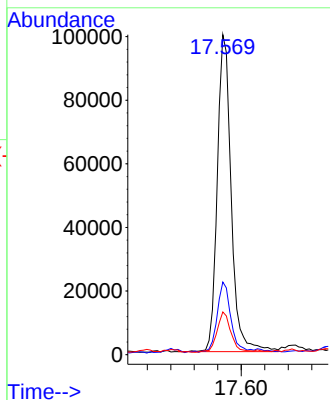
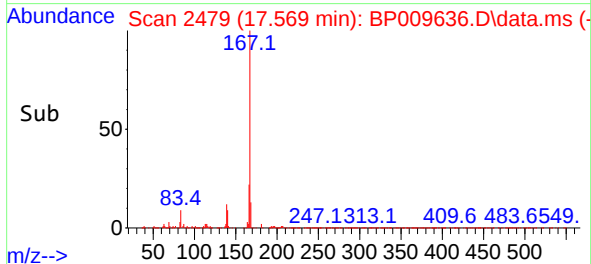
Instrument :
 BNA_P
 ClientSampleId :
 22L076-DRE



Tgt Ion:167 Resp: 16332
 Ion Ratio Lower Upper
 167 100
 166 22.7 17.2 25.8
 139 13.3 10.3 15.5

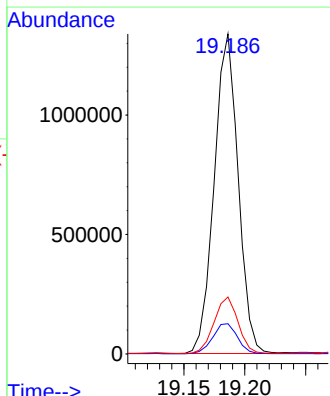
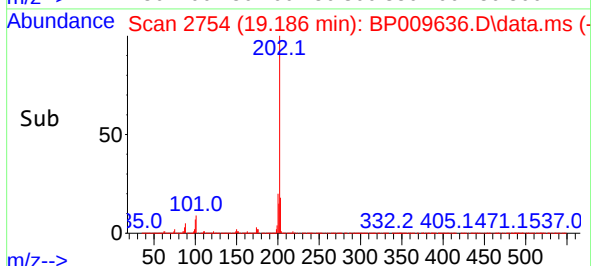
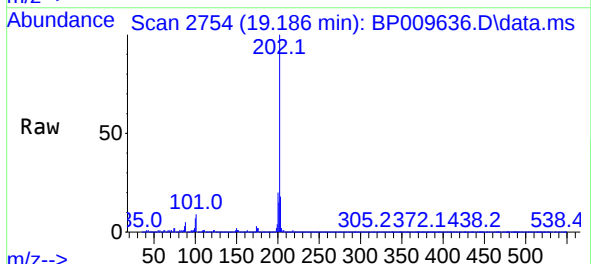
Manual Integrations
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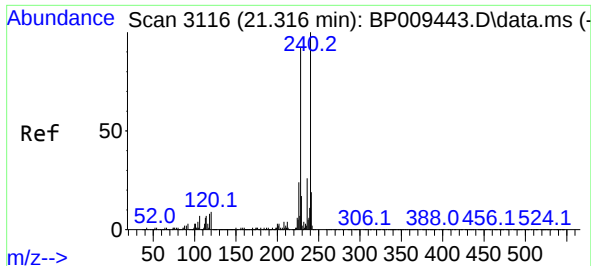
Reviewed By :Christian Giraldo 04/01/2022
 Supervised By :Jagrut Upadhyay 04/01/2022



#75
 Fluoranthene
 Concen: 26.57 ng
 RT: 19.186 min Scan# 2754
 Delta R.T. 0.006 min
 Lab File: BP009636.D
 Acq: 31 Mar 2022 13:19

Tgt Ion:202 Resp: 1830930
 Ion Ratio Lower Upper
 202 100
 101 9.5 0.0 31.5
 203 17.8 0.0 37.8





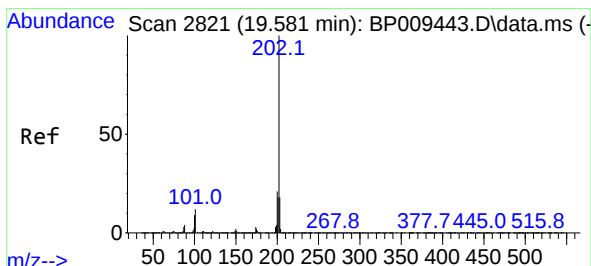
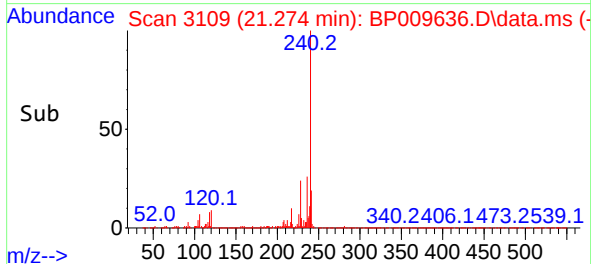
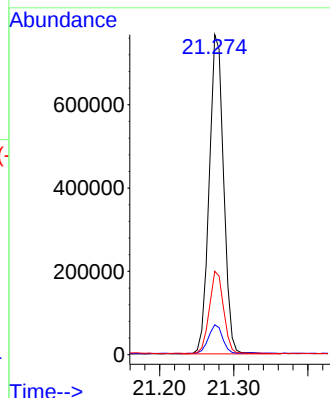
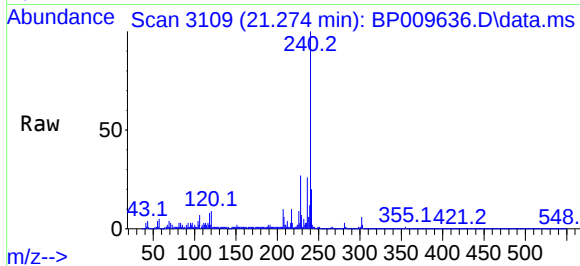
#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.274 min Scan# 3116
Delta R.T. -0.000 min
Lab File: BP009636.D
Acq: 31 Mar 2022 13:19

Instrument :
BNA_P
ClientSampleId :
22L076-DRE

Tgt Ion:240 Resp: 1034199
Ion Ratio Lower Upper
240 100
120 9.4 9.0 13.4
236 26.0 20.6 30.8

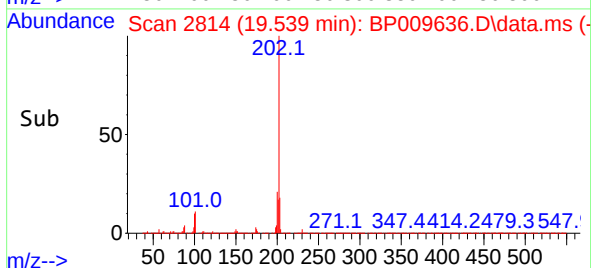
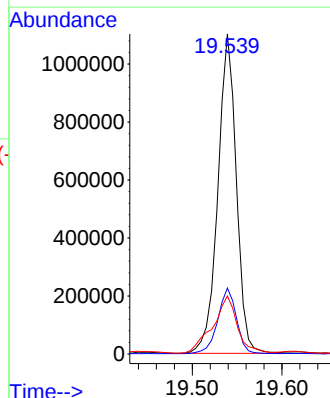
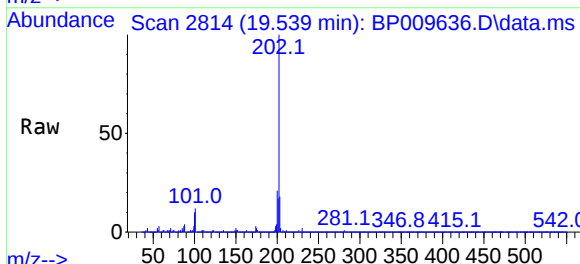
Manual Integrations
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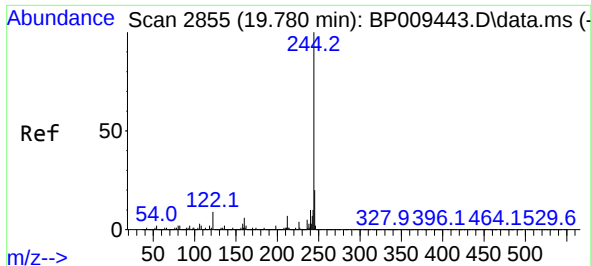
Reviewed By :Christian Giraldo 04/01/2022
Supervised By :Jagrut Upadhyay 04/01/2022



#78
Pyrene
Concen: 23.12 ng
RT: 19.539 min Scan# 2814
Delta R.T. -0.000 min
Lab File: BP009636.D
Acq: 31 Mar 2022 13:19

Tgt Ion:202 Resp: 1575530
Ion Ratio Lower Upper
202 100
200 20.6 16.8 25.2
203 18.1 14.2 21.4





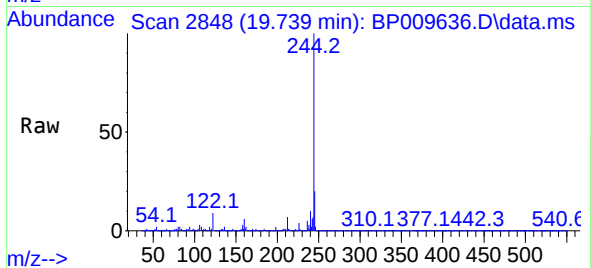
#79
 Terphenyl-d14
 Concen: 75.63 ng
 RT: 19.739 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BP009636.D
 Acq: 31 Mar 2022 13:19

Instrument :

BNA_P

ClientSampleId :

22L076-DRE

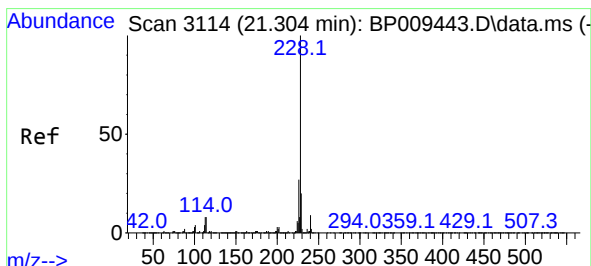
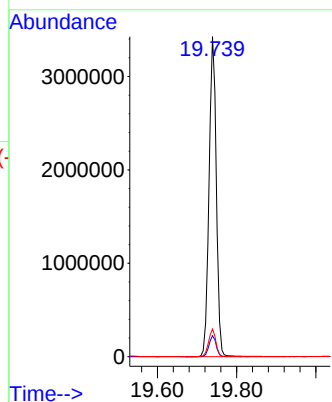


Tgt Ion:244 Resp: 4357608
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.8 8.6
 122 8.7 8.3 12.5

Manual Integrations

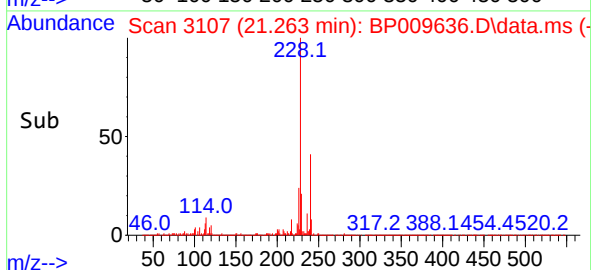
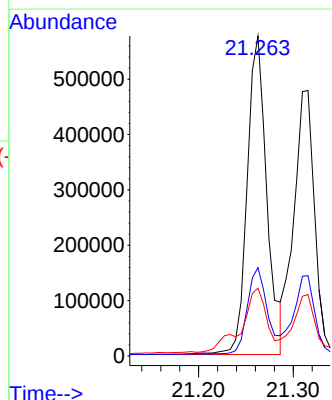
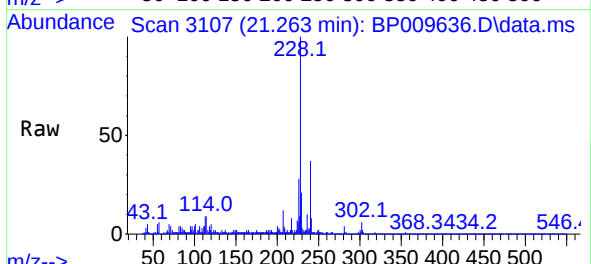
APPROVED

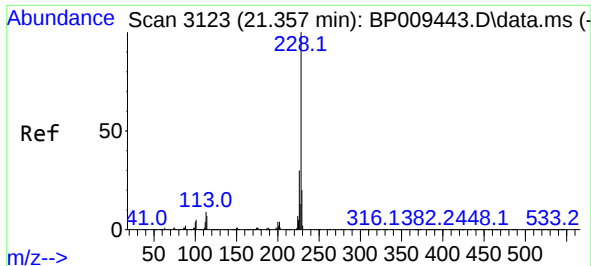
Reviewed By :Christian Giraldo 04/01/2022
 Supervised By :Jagrut Upadhyay 04/01/2022



#81
 Benzo(a)anthracene
 Concen: 12.23 ng
 RT: 21.263 min Scan# 3107
 Delta R.T. -0.000 min
 Lab File: BP009636.D
 Acq: 31 Mar 2022 13:19

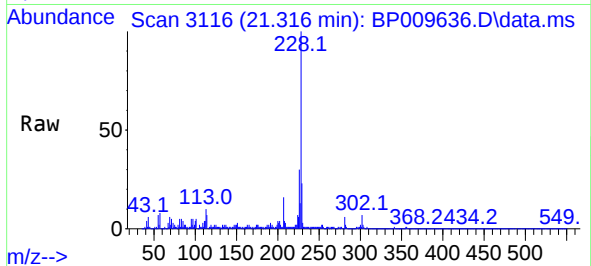
Tgt Ion:228 Resp: 831068
 Ion Ratio Lower Upper
 228 100
 226 27.6 22.0 33.0
 229 21.2 16.1 24.1





#83
Chrysene
Concen: 11.26 ng
RT: 21.316 min Scan# 3123
Delta R.T. 0.006 min
Lab File: BP009636.D
Acq: 31 Mar 2022 13:19

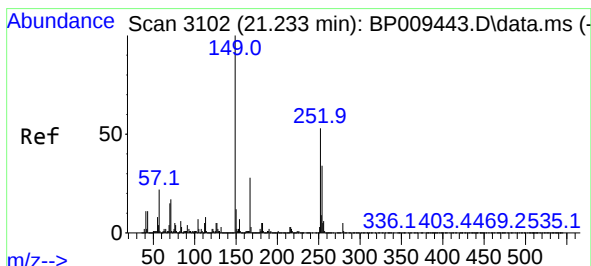
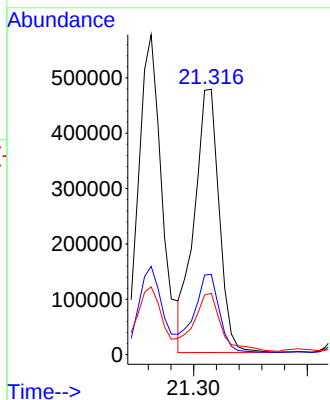
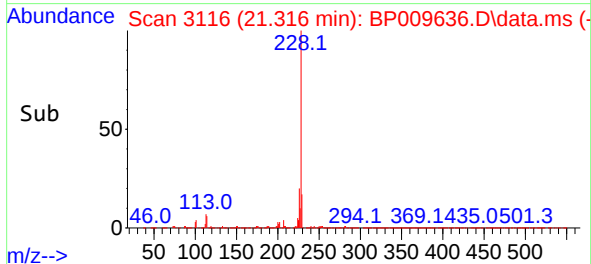
Instrument :
BNA_P
ClientSampleId :
22L076-DRE



Tgt Ion:228 Resp: 72415
Ion Ratio Lower Upper
228 100
226 30.3 24.2 36.2
229 23.2 16.1 24.1

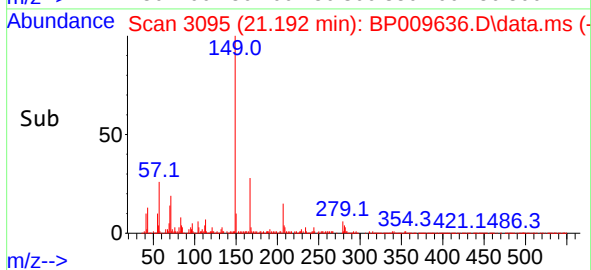
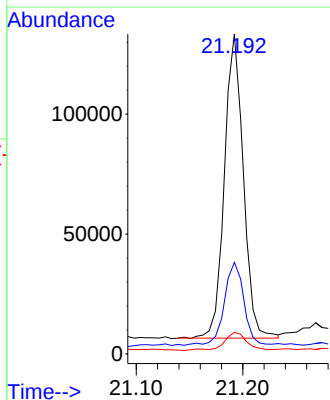
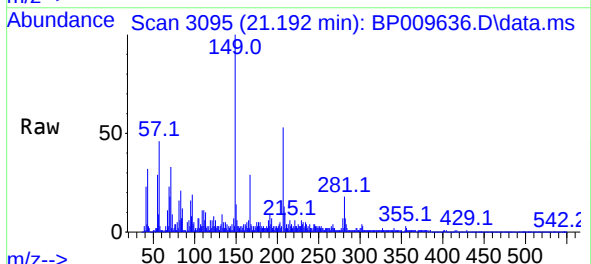
Manual Integrations
APPROVED

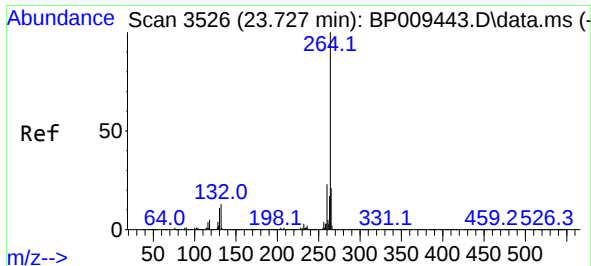
Reviewed By :Christian Giraldo 04/01/2022
Supervised By :Jagrut Upadhyay 04/01/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.87 ng
RT: 21.192 min Scan# 3095
Delta R.T. -0.000 min
Lab File: BP009636.D
Acq: 31 Mar 2022 13:19

Tgt Ion:149 Resp: 156419
Ion Ratio Lower Upper
149 100
167 28.6 22.6 33.8
279 6.7 3.8 5.6





#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 23.662 min Scan# 31
 Delta R.T. 0.012 min
 Lab File: BP009636.D
 Acq: 31 Mar 2022 13:19

Instrument :

BNA_P

ClientSampleId :

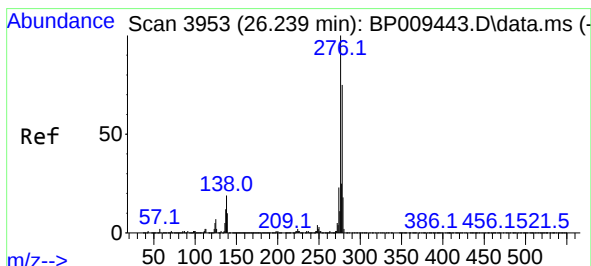
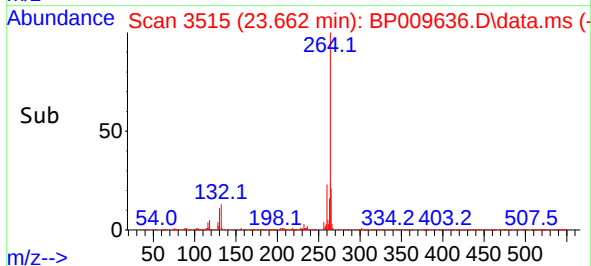
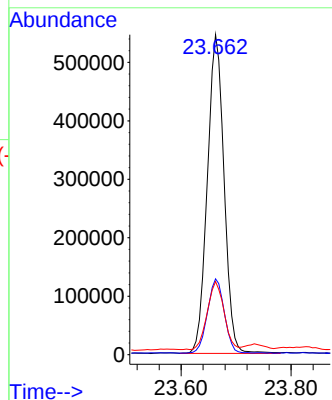
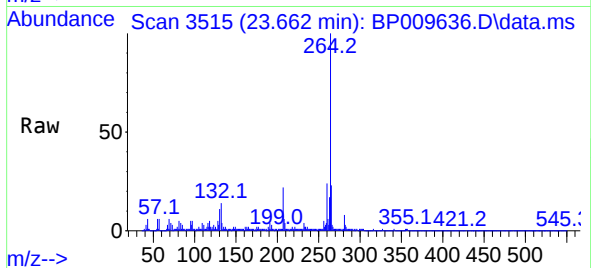
22L076-DRE

Tgt Ion:264 Resp: 1153750
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.4 29.0
 265 22.9 17.2 25.8

Manual Integrations

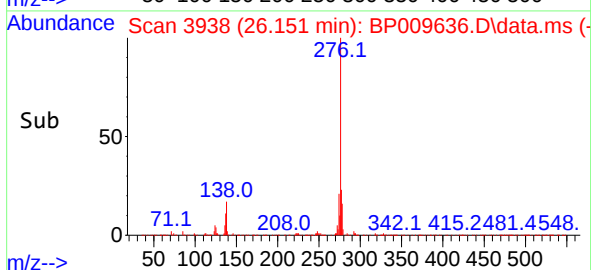
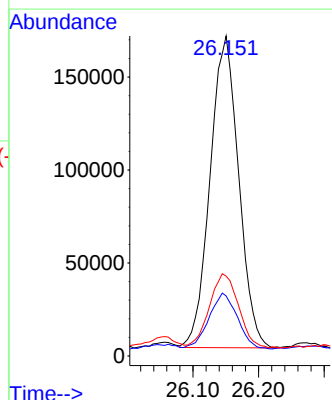
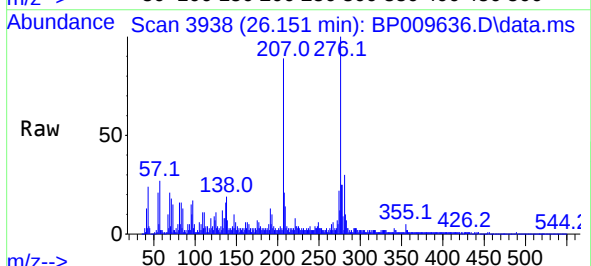
APPROVED

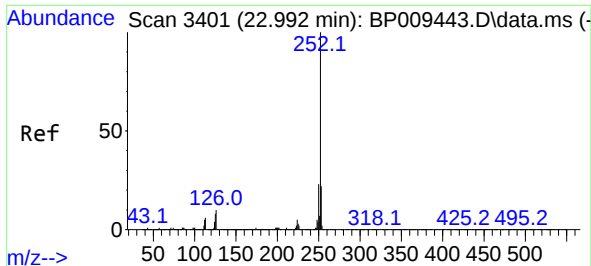
Reviewed By :Christian Giraldo 04/01/2022
 Supervised By :Jagrut Upadhyay 04/01/2022



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.80 ng
 RT: 26.151 min Scan# 3938
 Delta R.T. 0.012 min
 Lab File: BP009636.D
 Acq: 31 Mar 2022 13:19

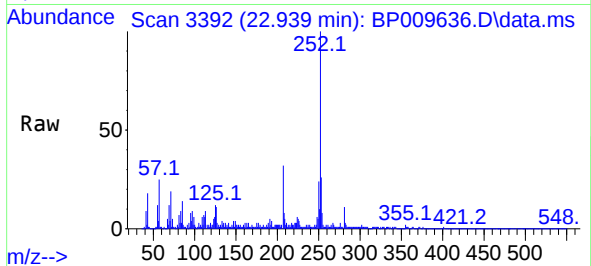
Tgt Ion:276 Resp: 507575
 Ion Ratio Lower Upper
 276 100
 138 17.9 20.5 30.7#
 277 24.1 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 14.18 ng m
RT: 22.939 min Scan# 31
Delta R.T. 0.012 min
Lab File: BP009636.D
Acq: 31 Mar 2022 13:19

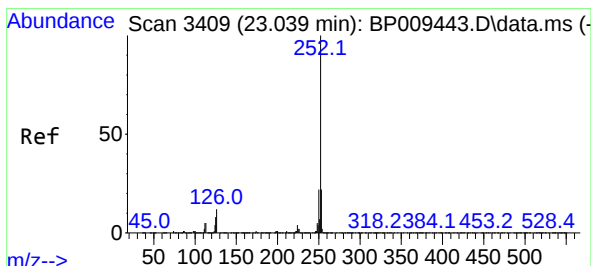
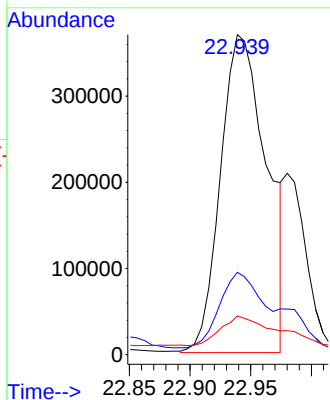
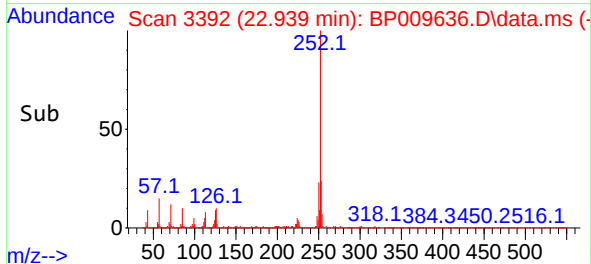
Instrument :
BNA_P
ClientSampleId :
22L076-DRE



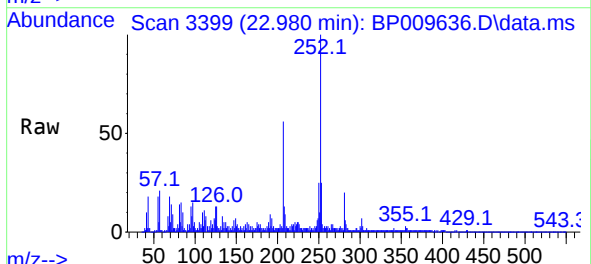
Tgt Ion:252 Resp: 976918
Ion Ratio Lower Upper
252 100
253 25.7 17.8 26.8
125 12.1 8.1 12.1

Manual Integrations
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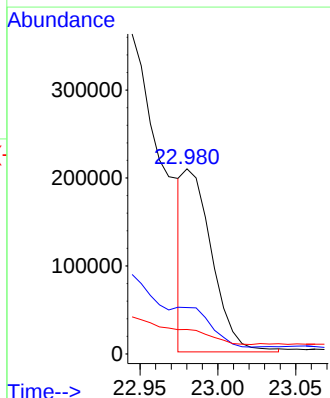
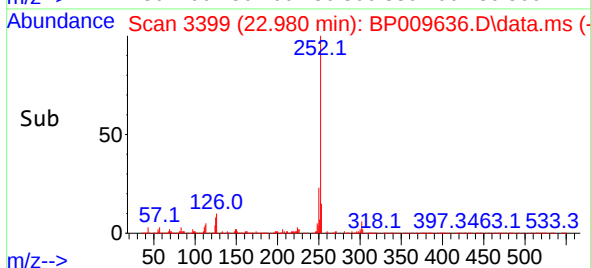
Reviewed By :Christian Giraldo 04/01/2022
Supervised By :Jagrut Upadhyay 04/01/2022

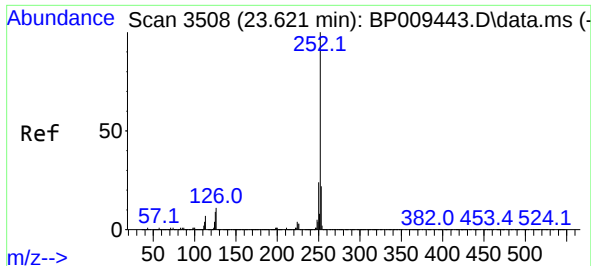


#89
Benzo(k)fluoranthene
Concen: 3.93 ng m
RT: 22.980 min Scan# 3399
Delta R.T. -0.000 min
Lab File: BP009636.D
Acq: 31 Mar 2022 13:19



Tgt Ion:252 Resp: 265343
Ion Ratio Lower Upper
252 100
253 25.1 17.5 26.3
125 13.2 8.3 12.5





#90
Benzo(a)pyrene
Concen: 11.34 ng
RT: 23.557 min Scan# 34
Delta R.T. 0.006 min
Lab File: BP009636.D
Acq: 31 Mar 2022 13:19

Instrument :

BNA_P

ClientSampleId :

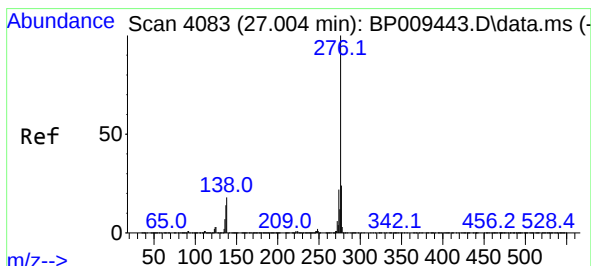
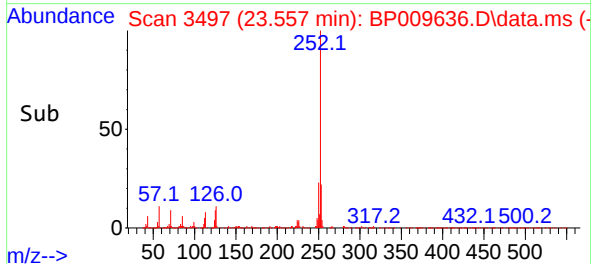
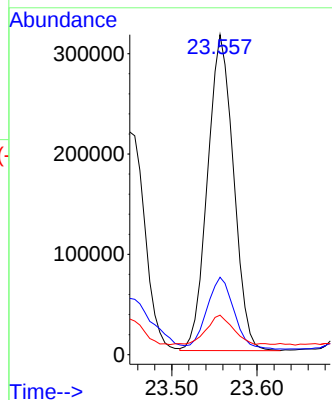
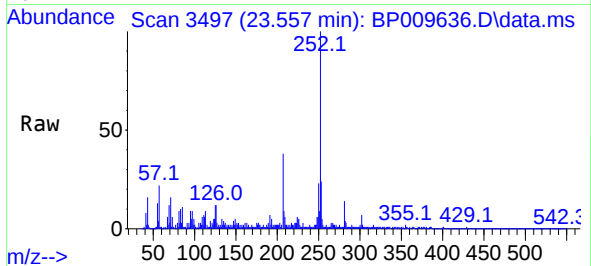
22L076-DRE

Tgt Ion:252 Resp: 66810
Ion Ratio Lower Upper
252 100
253 24.2 17.8 26.6
125 12.4 9.3 13.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/01/2022
Supervised By :Jagrut Upadhyay 04/01/2022



#92
Benzo(g,h,i)perylene
Concen: 7.39 ng
RT: 26.915 min Scan# 4068
Delta R.T. 0.018 min
Lab File: BP009636.D
Acq: 31 Mar 2022 13:19

Tgt Ion:276 Resp: 530669
Ion Ratio Lower Upper
276 100
277 27.1 19.2 28.8
138 20.6 18.0 27.0

