

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092922\
 Data File : BP011840.D
 Acq On : 29 Sep 2022 13:50
 Operator : CG/JU
 Sample : N4844-01DL 10X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SU-04-092622DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/30/2022
 Supervised By : Jagrut Upadhyay 09/30/2022

Quant Time: Sep 29 14:38:47 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 28 02:03:33 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.905	152	575951	20.000	ng	0.00
21) Naphthalene-d8	10.716	136	2551368	20.000	ng	# 0.00
39) Acenaphthene-d10	14.551	164	1505648	20.000	ng	0.00
64) Phenanthrene-d10	17.310	188	3039459	20.000	ng	0.00
76) Chrysene-d12	21.392	240	2614587	20.000	ng	0.00
86) Perylene-d12	23.833	264	2193539	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.464	112	350569	10.680	ng	0.00
7) Phenol-d6	7.063	99	463569	9.551	ng	0.00
23) Nitrobenzene-d5	9.069	82	244812	5.022	ng	0.00
42) 2,4,6-Tribromophenol	16.039	330	117095	11.550	ng	0.00
45) 2-Fluorobiphenyl	13.175	172	598845	6.290	ng	0.00
79) Terphenyl-d14	19.863	244	854597	7.516	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.769	128	854900	6.320	ng	100
37) 2-Methylnaphthalene	12.375	142	395590	4.235	ng	98
38) 1-Methylnaphthalene	12.593	142	340175	3.698	ng	99
49) Acenaphthylene	14.275	152	326401	2.317	ng	97
52) Acenaphthene	14.616	154	316266	3.661	ng	98
55) Dibenzofuran	14.945	168	740558	5.594	ng	97
58) Fluorene	15.598	166	837037	7.452	ng	99
71) Phenanthrene	17.351	178	7858448	45.840	ng	99
72) Anthracene	17.439	178	1676407	10.224	ng	99
73) Carbazole	17.710	167	905346	5.638	ng	100
75) Fluoranthene	19.316	202	8033896	43.108	ng	97
78) Pyrene	19.669	202	6961287	39.845	ng	99
81) Benzo(a)anthracene	21.374	228	3477034	20.156	ng	99
83) Chrysene	21.427	228	3038386	18.588	ng	97
87) Indeno(1,2,3-cd)pyrene	26.368	276	1166857	6.798	ng	# 90
88) Benzo(b)fluoranthene	23.086	252	2979639	21.878	ng	97
89) Benzo(k)fluoranthene	23.127	252	1120897m	8.032	ng	
90) Benzo(a)pyrene	23.721	252	2143599	18.603	ng	97
91) Dibenzo(a,h)anthracene	26.374	278	310074	2.176	ng	95
92) Benzo(g,h,i)perylene	27.151	276	1091373	7.911	ng	95

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

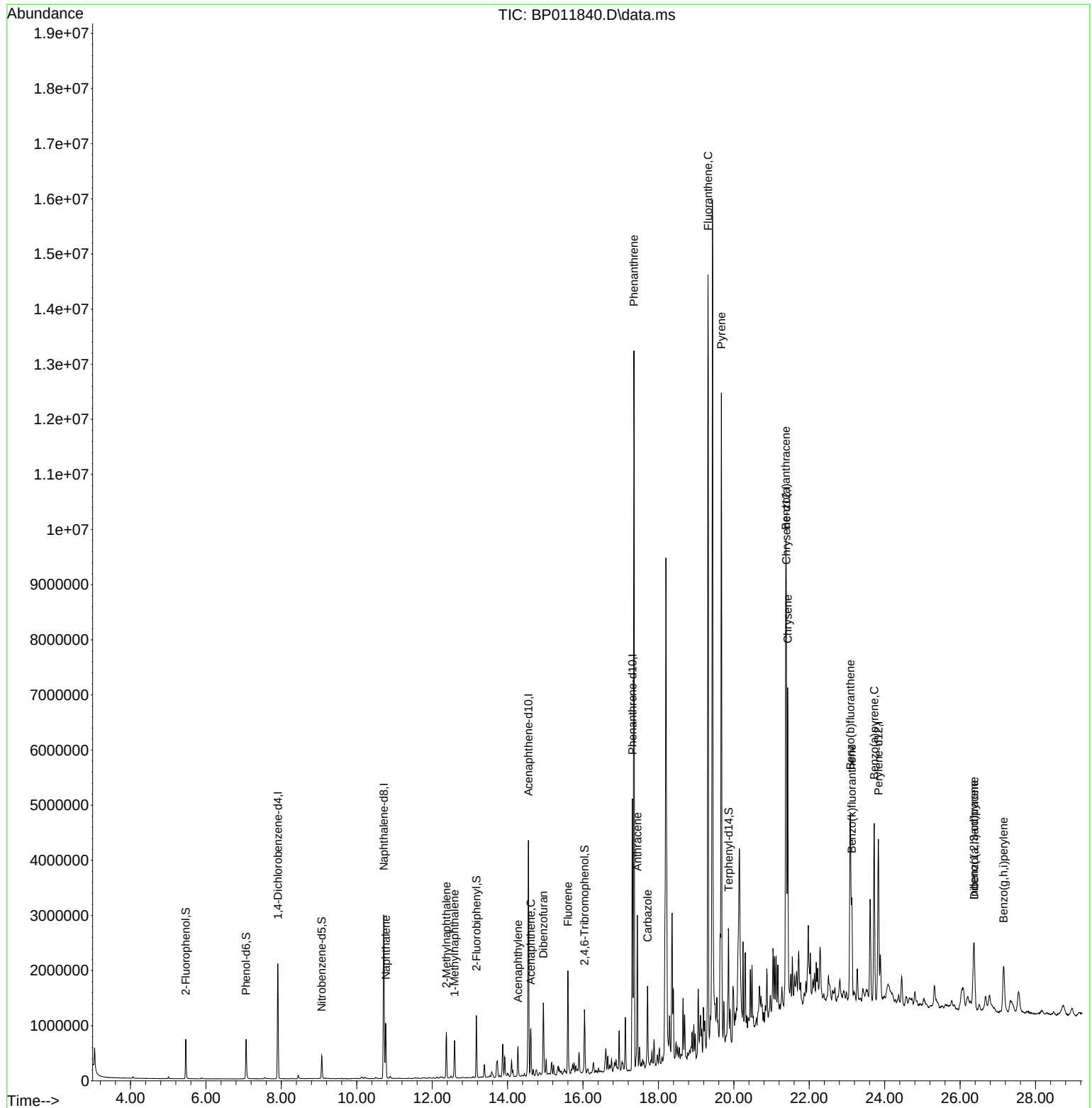
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092922\
Data File : BP011840.D
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Operator : CG/JU
Sample : N4844-01DL 10X
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ALS Vial : 4 Sample Multiplier: 1

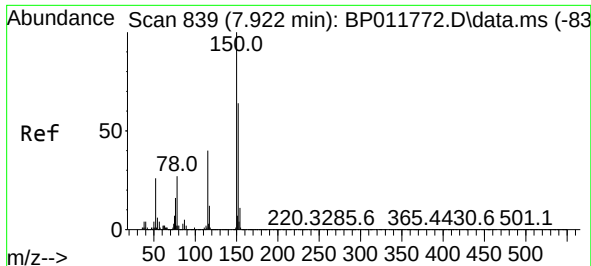
Instrument :
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SU-04-092622DL

Quant Time: Sep 29 14:38:47 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 28 02:03:33 2022
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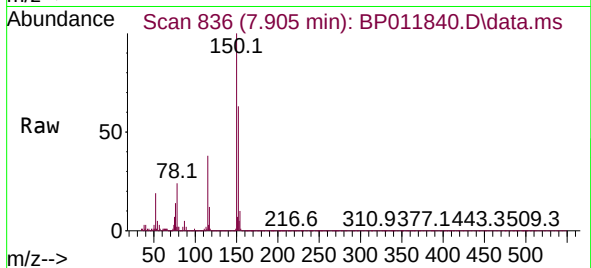
Reviewed By : Christian Giraldo 09/30/2022
Supervised By : Jagrut Upadhyay 09/30/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.905 min Scan# 839
Delta R.T. -0.005 min
Lab File: BP011840.D
Acq: 29 Sep 2022 13:50

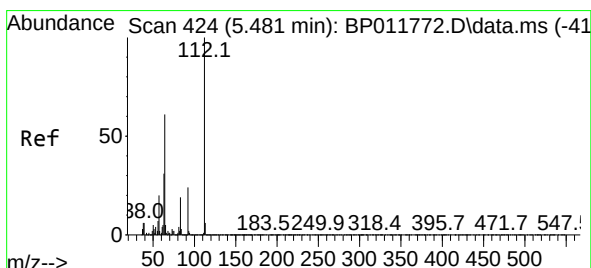
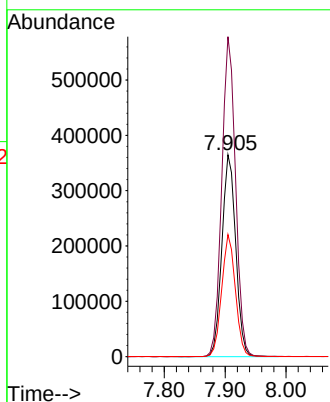
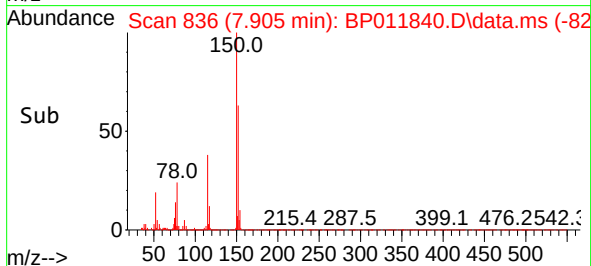
Instrument :
BNA_P
ClientSampleId :
SU-04-092622DL



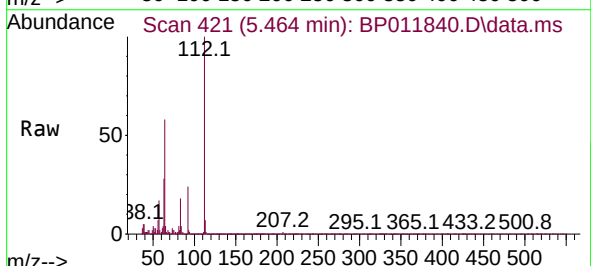
Tgt Ion:152 Resp: 57595
Ion Ratio Lower Upper
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150 158.5 124.2 186.4
115 60.4 50.0 75.0

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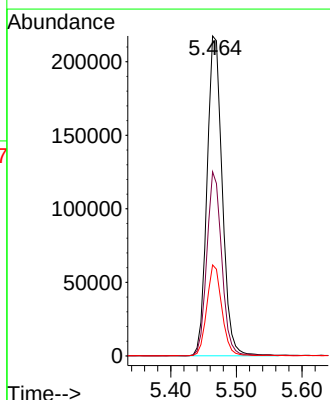
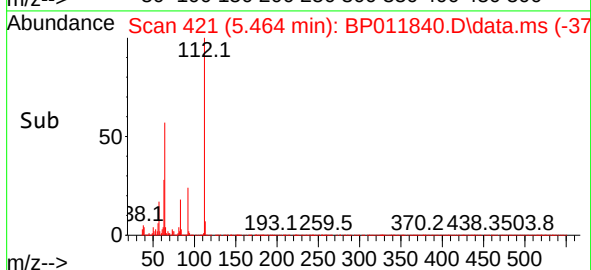
Reviewed By :Christian Giraldo 09/30/2022
Supervised By :Jagrut Upadhyay 09/30/2022

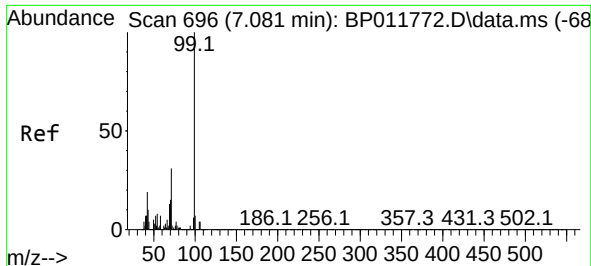


#5
2-Fluorophenol
Concen: 10.680 ng
RT: 5.464 min Scan# 421
Delta R.T. -0.006 min
Lab File: BP011840.D
Acq: 29 Sep 2022 13:50



Tgt Ion:112 Resp: 350569
Ion Ratio Lower Upper
112 100
64 57.5 49.2 73.8
63 28.4 25.2 37.8





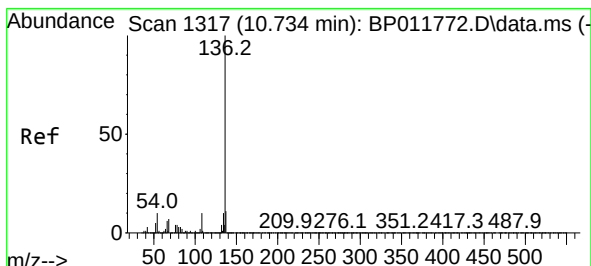
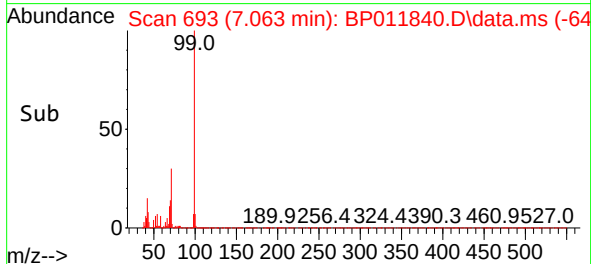
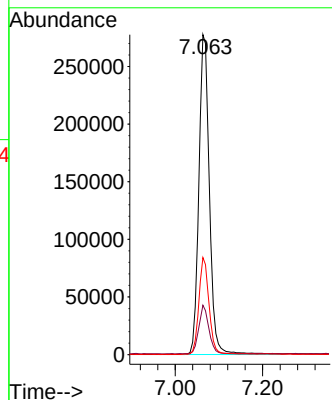
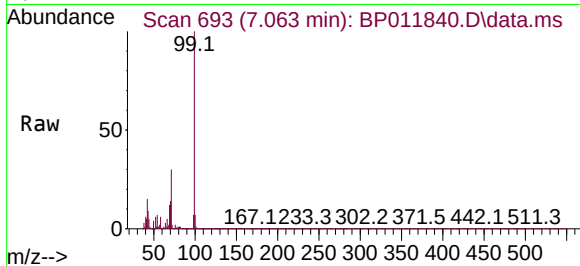
#7
Phenol-d6
Concen: 9.551 ng
RT: 7.063 min Scan# 69
Delta R.T. -0.006 min
Lab File: BP011840.D
Acq: 29 Sep 2022 13:50

Instrument :
BNA_P
ClientSampleId :
SU-04-092622DL

Tgt Ion: 99 Resp: 463569
Ion Ratio Lower Upper
99 100
42 15.4 15.4 23.2
71 30.3 24.7 37.1

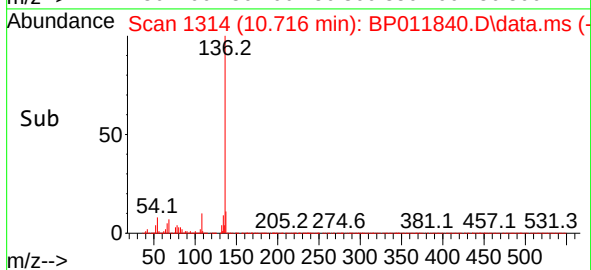
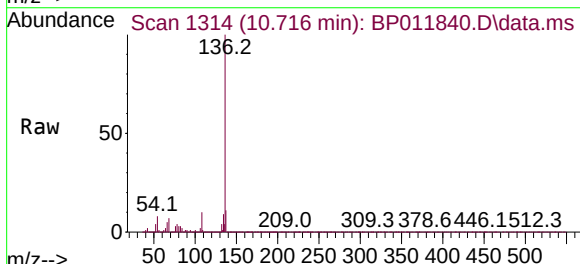
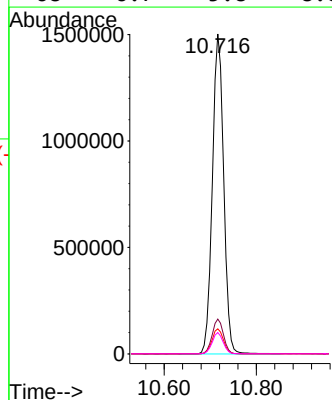
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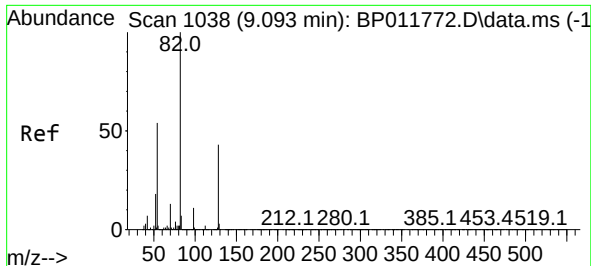
Reviewed By :Christian Giraldo 09/30/2022
Supervised By :Jagrut Upadhyay 09/30/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.716 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BP011840.D
Acq: 29 Sep 2022 13:50

Tgt Ion:136 Resp: 2551368
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.8 8.2 12.4
68 6.7 5.8 8.8





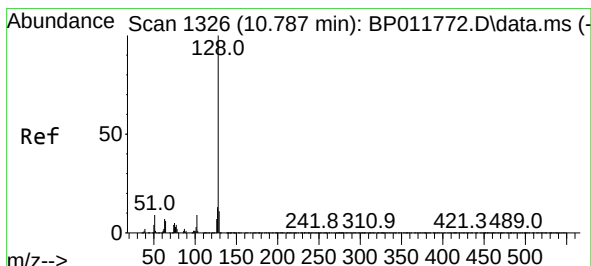
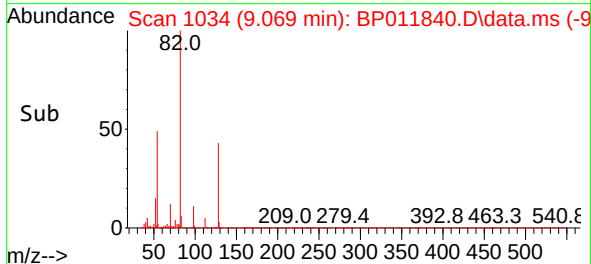
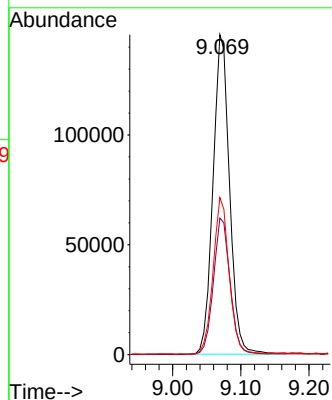
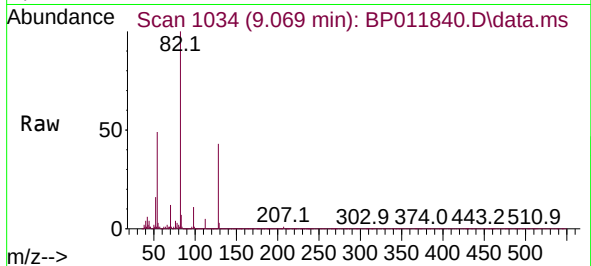
#23
Nitrobenzene-d5
Concen: 5.022 ng
RT: 9.069 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BP011840.D
Acq: 29 Sep 2022 13:50

Instrument :
BNA_P
ClientSampleId :
SU-04-092622DL

Tgt Ion: 82 Resp: 244812
Ion Ratio Lower Upper
82 100
128 42.7 34.2 51.4
54 49.1 43.1 64.7

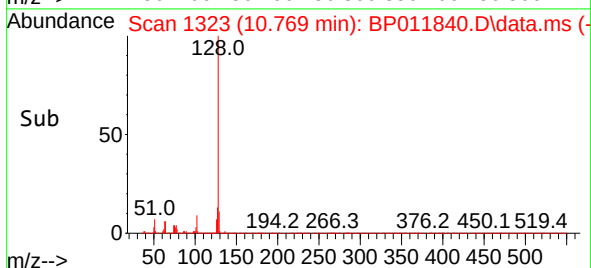
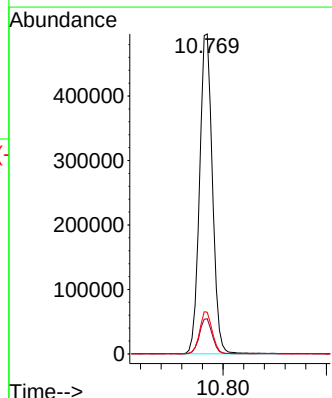
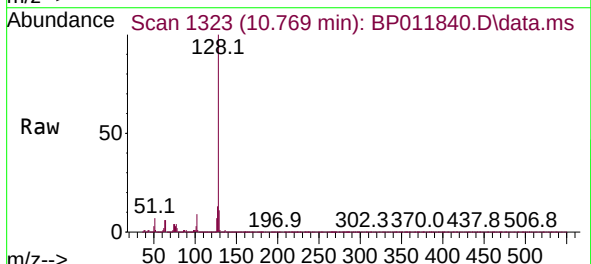
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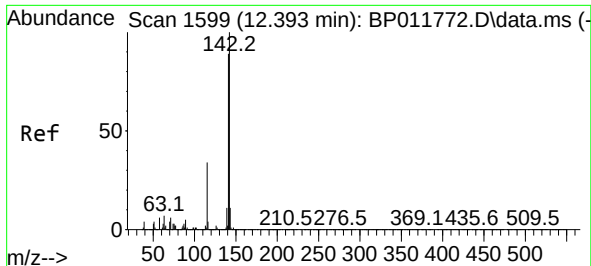
Reviewed By :Christian Giraldo 09/30/2022
Supervised By :Jagrut Upadhyay 09/30/2022



#31
Naphthalene
Concen: 6.320 ng
RT: 10.769 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BP011840.D
Acq: 29 Sep 2022 13:50

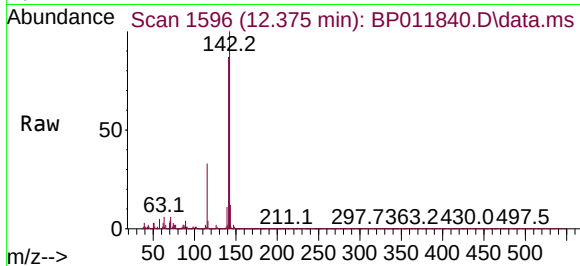
Tgt Ion:128 Resp: 854900
Ion Ratio Lower Upper
128 100
129 11.0 8.7 13.1
127 13.1 10.5 15.7





#37
2-Methylnaphthalene
Concen: 4.235 ng
RT: 12.375 min Scan# 1596
Delta R.T. -0.006 min
Lab File: BP011840.D
Acq: 29 Sep 2022 13:50

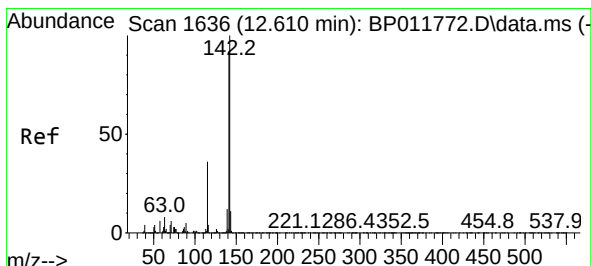
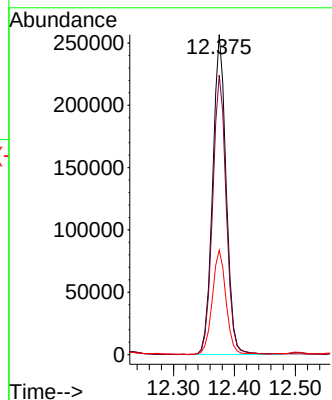
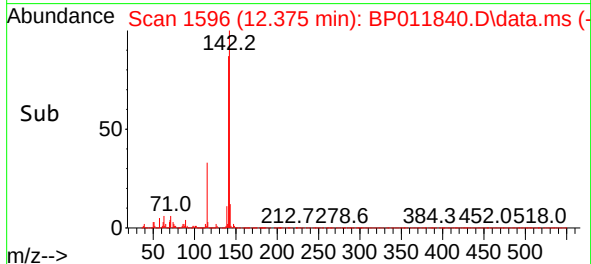
Instrument :
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ClientSampleId :
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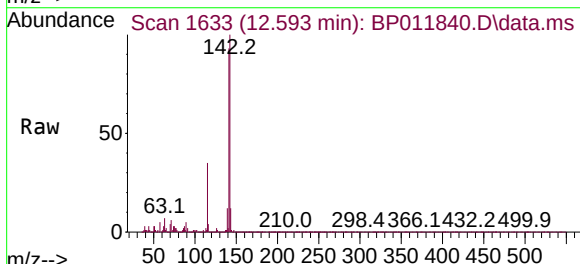
Tgt Ion:142 Resp: 395590
Ion Ratio Lower Upper
142 100
141 87.4 71.1 106.7
115 32.6 27.4 41.0

Manual Integrations
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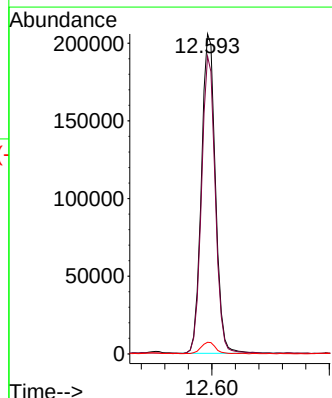
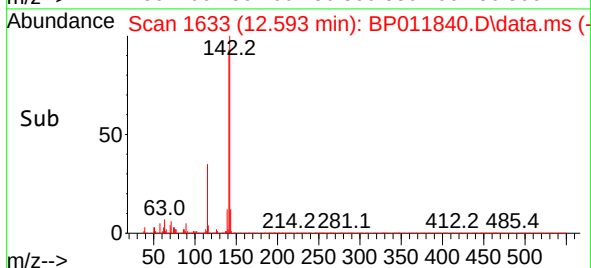
Reviewed By :Christian Giraldo 09/30/2022
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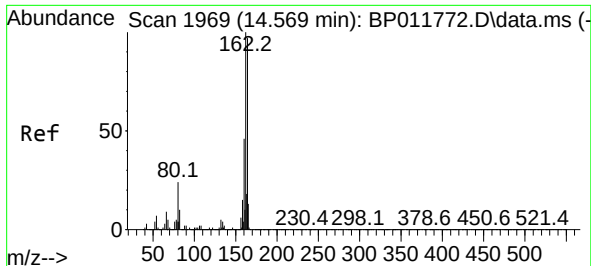


#38
1-Methylnaphthalene
Concen: 3.698 ng
RT: 12.593 min Scan# 1633
Delta R.T. -0.006 min
Lab File: BP011840.D
Acq: 29 Sep 2022 13:50



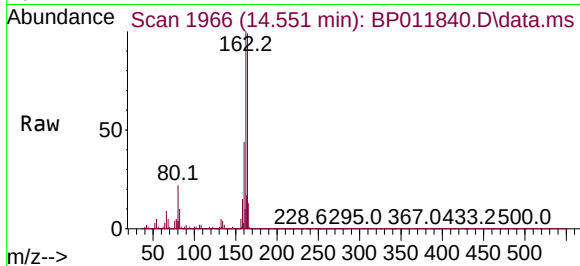
Tgt Ion:142 Resp: 340175
Ion Ratio Lower Upper
142 100
141 93.0 73.4 110.2
116 3.7 3.0 4.6





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.551 min Scan# 1966
Delta R.T. -0.006 min
Lab File: BP011840.D
Acq: 29 Sep 2022 13:50

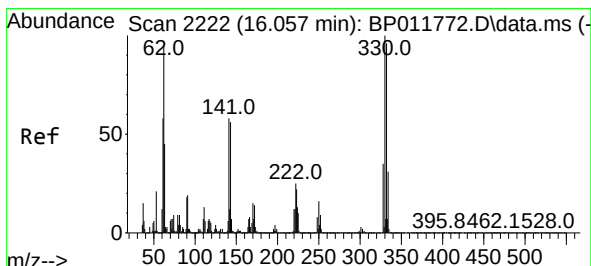
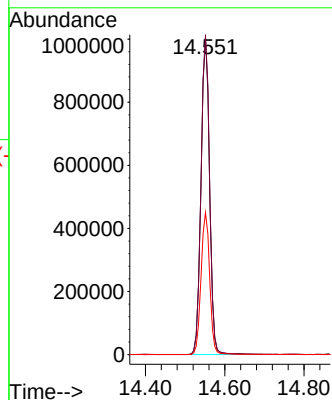
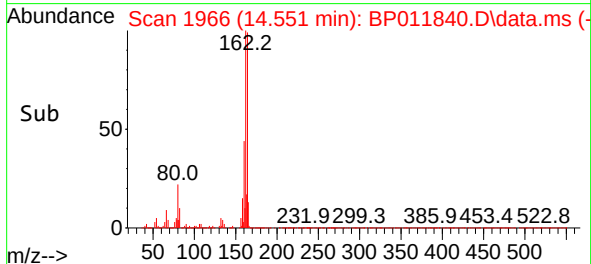
Instrument :
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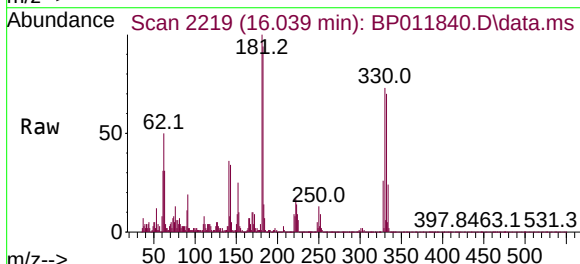
Tgt Ion:164 Resp: 1505648
Ion Ratio Lower Upper
164 100
162 101.1 82.5 123.7
160 44.9 37.8 56.6

Manual Integrations
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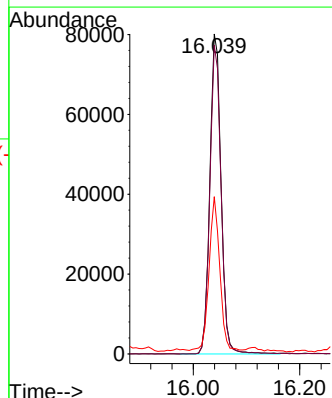
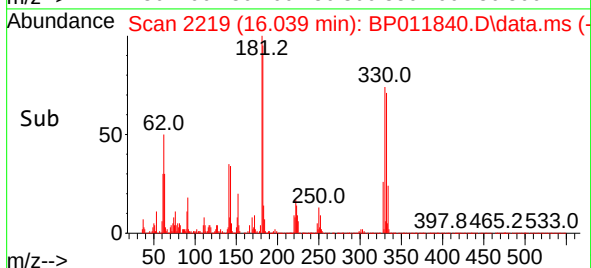
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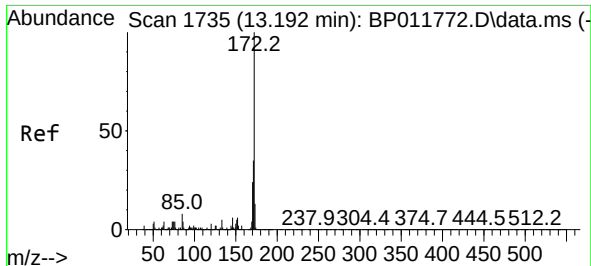


#42
2,4,6-Tribromophenol
Concen: 11.550 ng
RT: 16.039 min Scan# 2219
Delta R.T. -0.006 min
Lab File: BP011840.D
Acq: 29 Sep 2022 13:50



Tgt Ion:330 Resp: 117095
Ion Ratio Lower Upper
330 100
332 96.3 76.6 114.8
141 45.7 48.7 73.1#





#45
2-Fluorobiphenyl
Concen: 6.290 ng
RT: 13.175 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP011840.D
Acq: 29 Sep 2022 13:50

Instrument :

BNA_P

ClientSampleId :

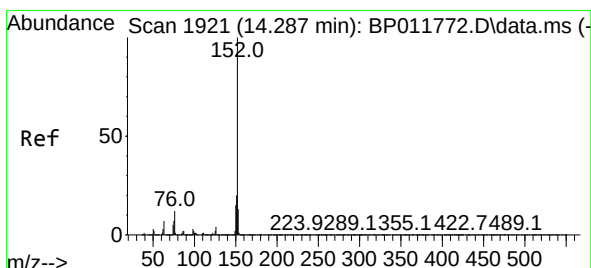
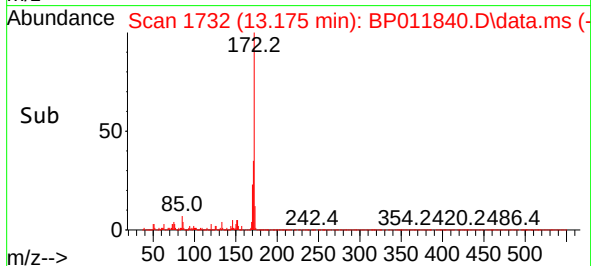
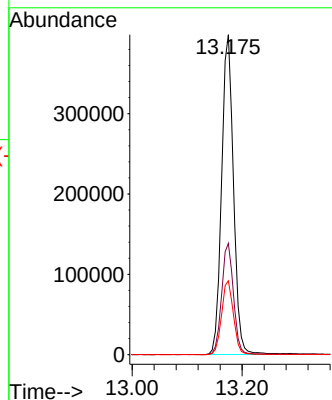
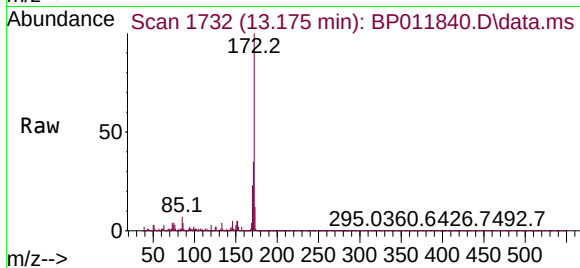
SU-04-092622DL

Tgt Ion:172 Resp: 598845
Ion Ratio Lower Upper
172 100
171 34.8 27.9 41.9
170 23.1 19.5 29.3

Manual Integrations

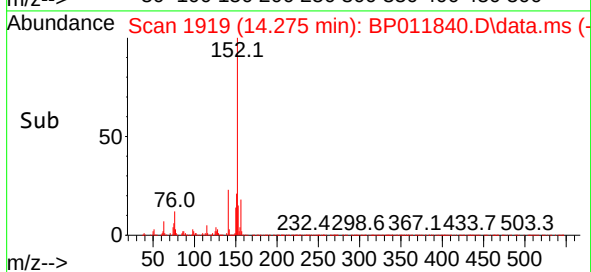
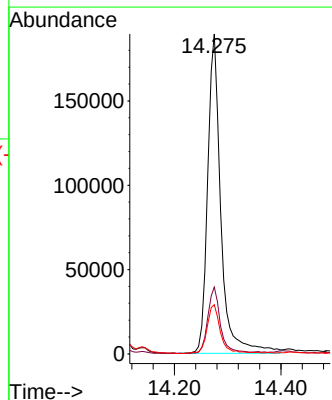
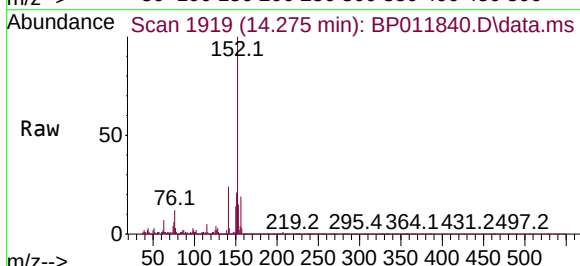
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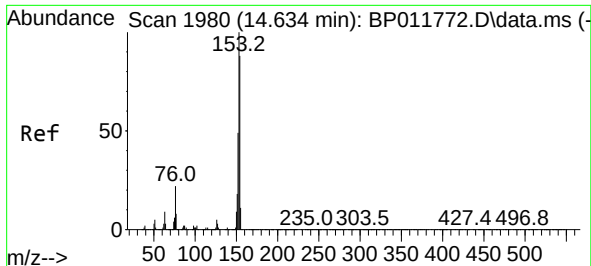
Reviewed By :Christian Giraldo 09/30/2022
Supervised By :Jagrut Upadhyay 09/30/2022



#49
Acenaphthylene
Concen: 2.317 ng
RT: 14.275 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BP011840.D
Acq: 29 Sep 2022 13:50

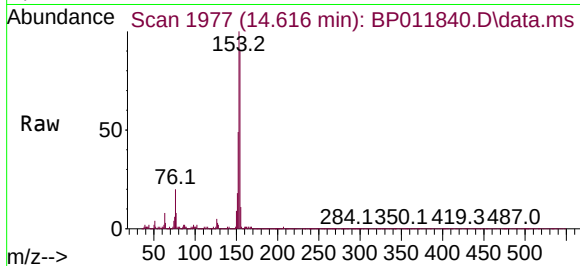
Tgt Ion:152 Resp: 326401
Ion Ratio Lower Upper
152 100
151 20.9 16.2 24.4
153 15.4 10.6 16.0





#52
Acenaphthene
Concen: 3.661 ng
RT: 14.616 min Scan# 1980
Delta R.T. -0.006 min
Lab File: BP011840.D
Acq: 29 Sep 2022 13:50

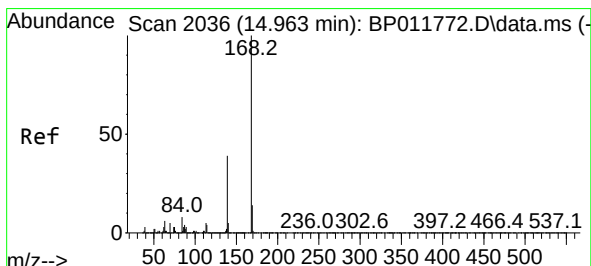
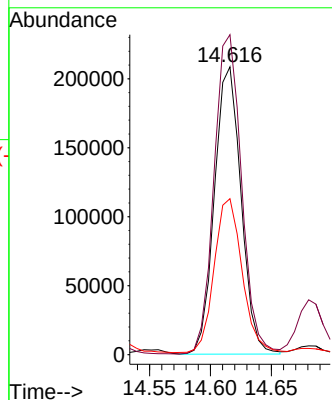
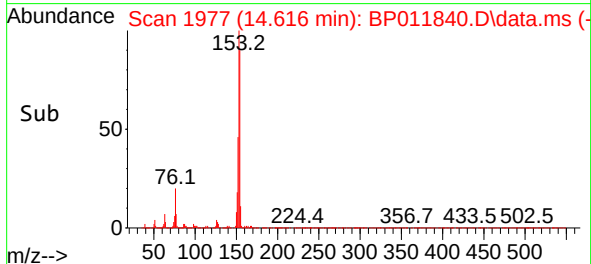
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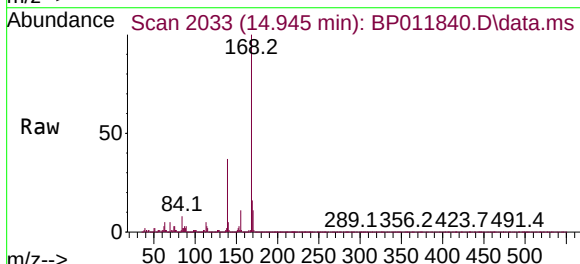
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Ion Ratio Lower Upper
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152 54.2 44.6 66.8

Manual Integrations
APPROVED

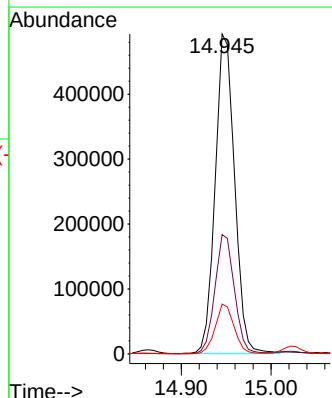
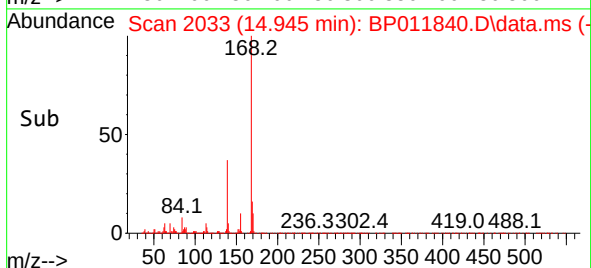
Reviewed By :Christian Giraldo 09/30/2022
Supervised By :Jagrut Upadhyay 09/30/2022

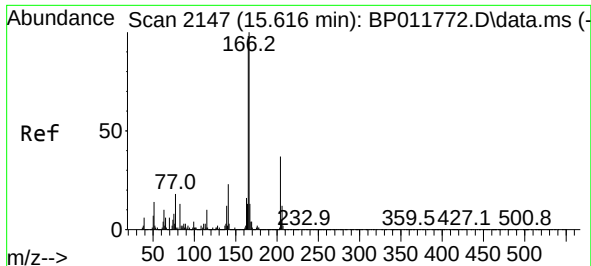


#55
Dibenzofuran
Concen: 5.594 ng
RT: 14.945 min Scan# 2033
Delta R.T. -0.012 min
Lab File: BP011840.D
Acq: 29 Sep 2022 13:50



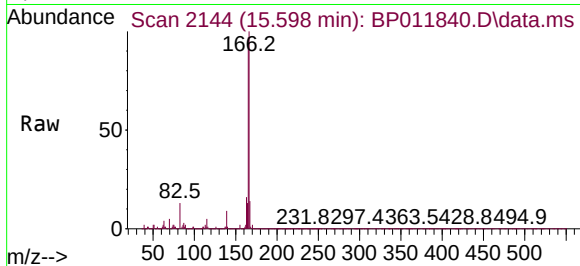
Tgt Ion:168 Resp: 740558
Ion Ratio Lower Upper
168 100
139 37.3 31.3 46.9
169 15.6 11.0 16.4





#58
Fluorene
Concen: 7.452 ng
RT: 15.598 min Scan# 2144
Delta R.T. -0.006 min
Lab File: BP011840.D
Acq: 29 Sep 2022 13:50

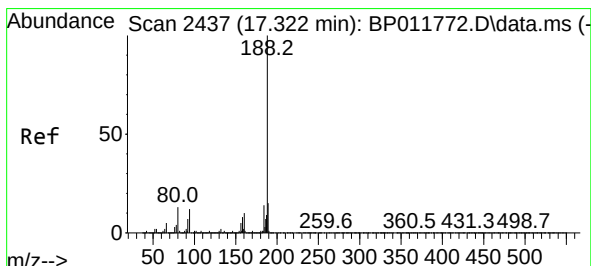
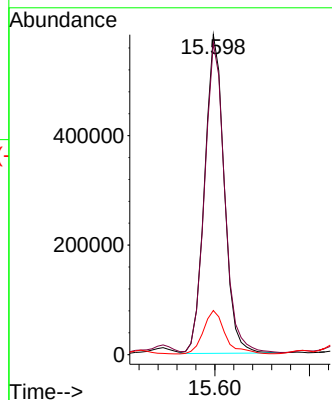
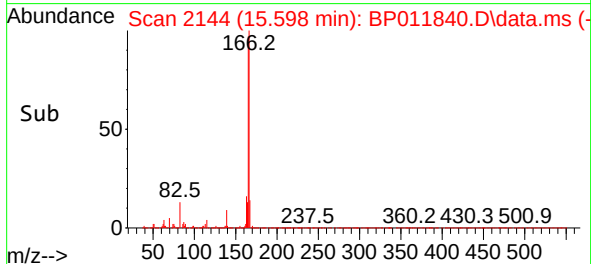
Instrument :
BNA_P
ClientSampleId :
SU-04-092622DL



Tgt Ion:166 Resp: 837037
Ion Ratio Lower Upper
166 100
165 97.3 78.2 117.4
167 13.8 10.7 16.1

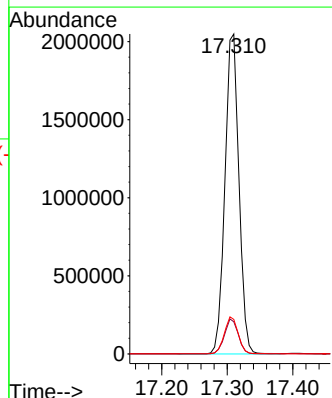
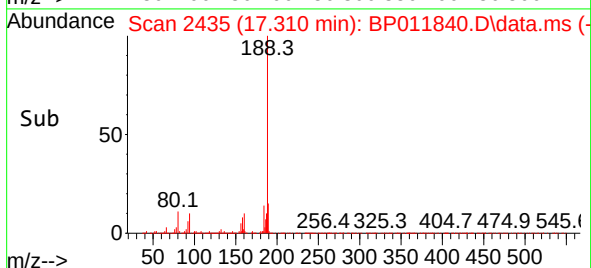
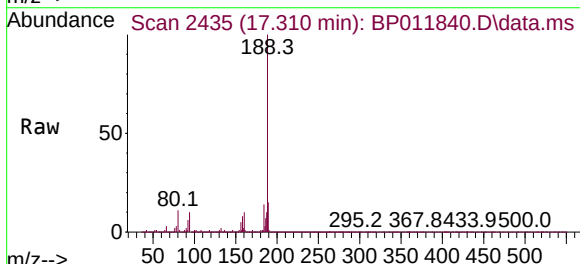
Manual Integrations
APPROVED

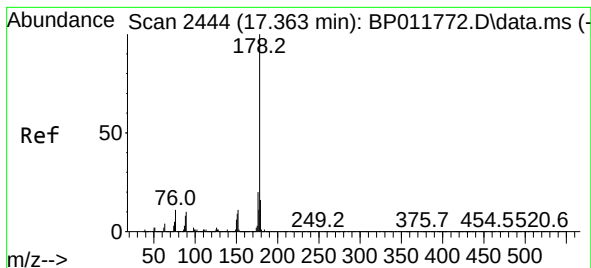
Reviewed By :Christian Giraldo 09/30/2022
Supervised By :Jagrut Upadhyay 09/30/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.310 min Scan# 2435
Delta R.T. 0.000 min
Lab File: BP011840.D
Acq: 29 Sep 2022 13:50

Tgt Ion:188 Resp: 3039459
Ion Ratio Lower Upper
188 100
94 10.1 9.4 14.0
80 10.8 10.6 15.8





#71

Phenanthrene

Concen: 45.840 ng

RT: 17.351 min Scan# 2444

Delta R.T. 0.000 min

Lab File: BP011840.D

Acq: 29 Sep 2022 13:50

Instrument :

BNA_P

ClientSampleId :

SU-04-092622DL

Tgt Ion:178 Resp: 7858448

Ion Ratio Lower Upper

178 100

176 20.5 16.2 24.2

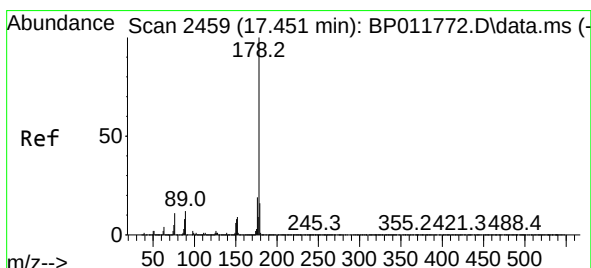
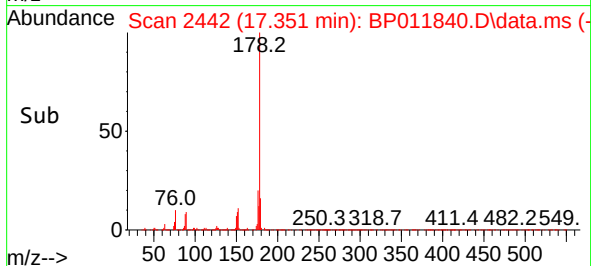
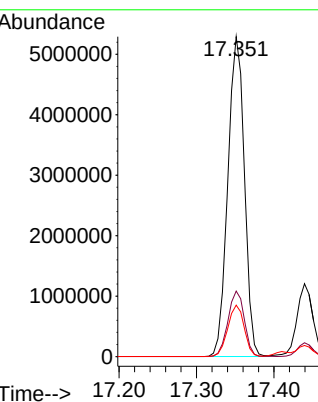
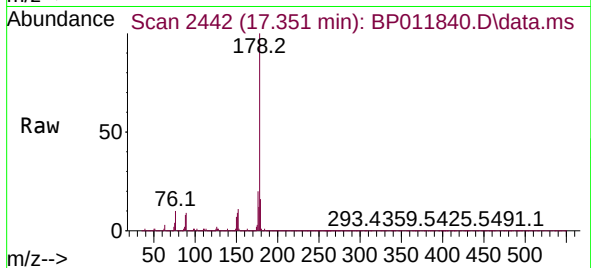
179 16.1 12.6 18.8

Manual Integrations

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Reviewed By :Christian Giraldo 09/30/2022

Supervised By :Jagrut Upadhyay 09/30/2022



#72

Anthracene

Concen: 10.224 ng

RT: 17.439 min Scan# 2457

Delta R.T. -0.006 min

Lab File: BP011840.D

Acq: 29 Sep 2022 13:50

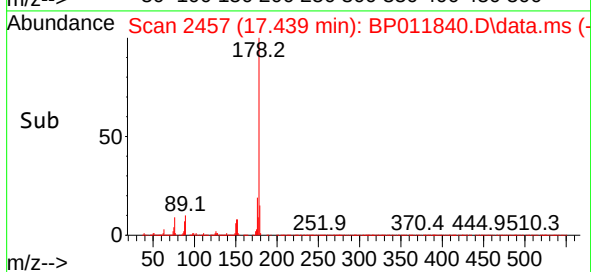
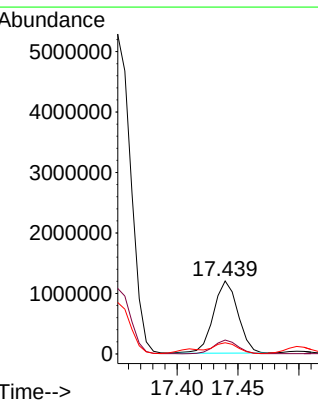
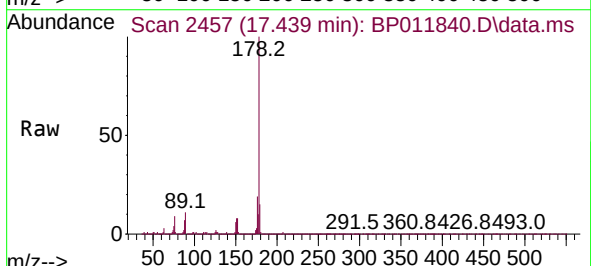
Tgt Ion:178 Resp: 1676407

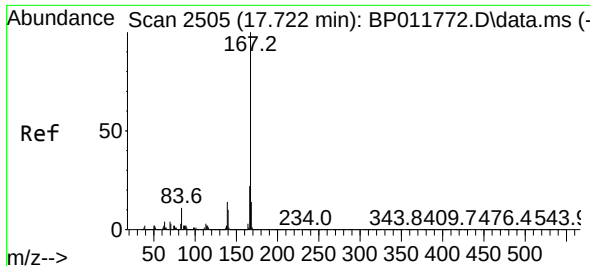
Ion Ratio Lower Upper

178 100

176 18.9 15.5 23.3

179 15.4 12.7 19.1





#73
 Carbazole
 Concen: 5.638 ng
 RT: 17.710 min Scan# 2505
 Delta R.T. -0.006 min
 Lab File: BP011840.D
 Acq: 29 Sep 2022 13:50

Instrument :

BNA_P

ClientSampleId :

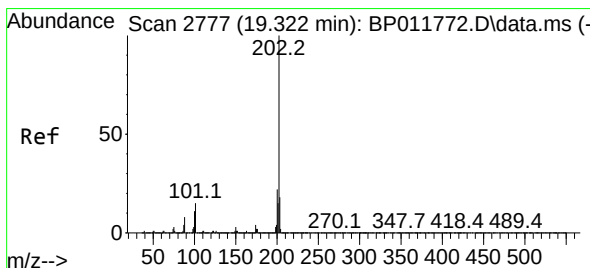
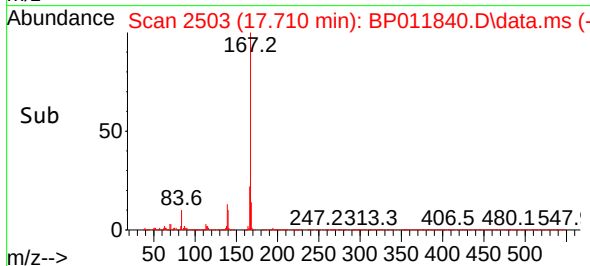
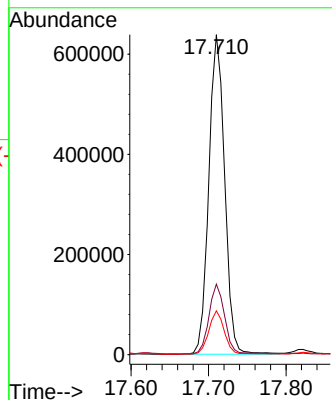
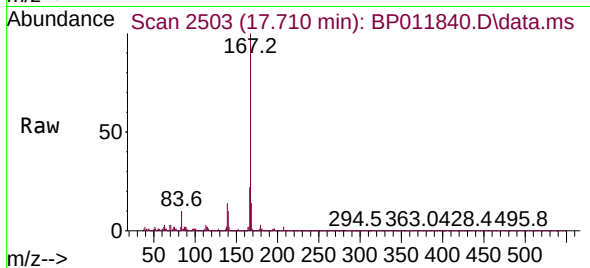
SU-04-092622DL

Tgt Ion:167 Resp: 905346
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.4 26.2
 139 13.7 11.0 16.6

Manual Integrations

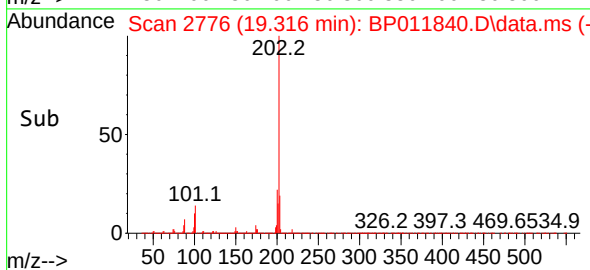
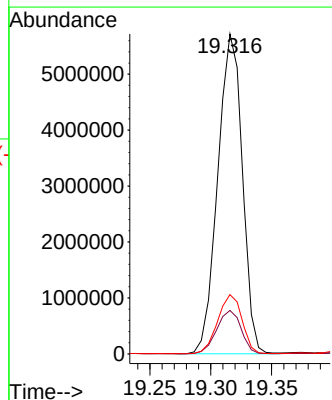
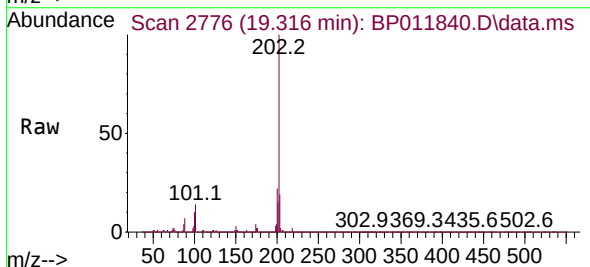
APPROVED

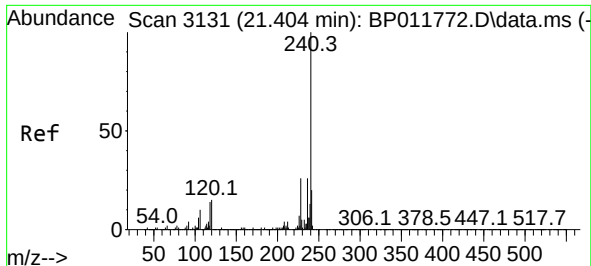
Reviewed By :Christian Giraldo 09/30/2022
 Supervised By :Jagrut Upadhyay 09/30/2022



#75
 Fluoranthene
 Concen: 43.108 ng
 RT: 19.316 min Scan# 2776
 Delta R.T. 0.000 min
 Lab File: BP011840.D
 Acq: 29 Sep 2022 13:50

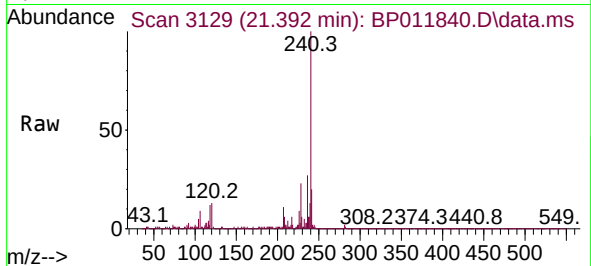
Tgt Ion:202 Resp: 8033896
 Ion Ratio Lower Upper
 202 100
 101 13.6 0.0 35.5
 203 18.5 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.392 min Scan# 3131
Delta R.T. -0.006 min
Lab File: BP011840.D
Acq: 29 Sep 2022 13:50

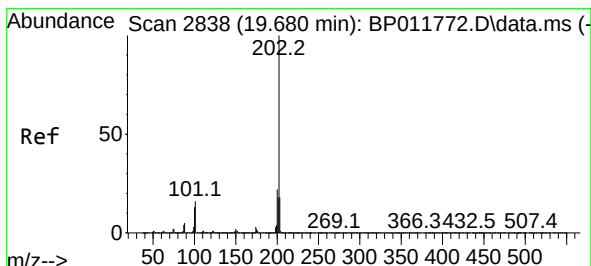
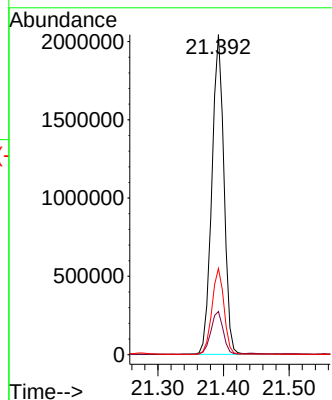
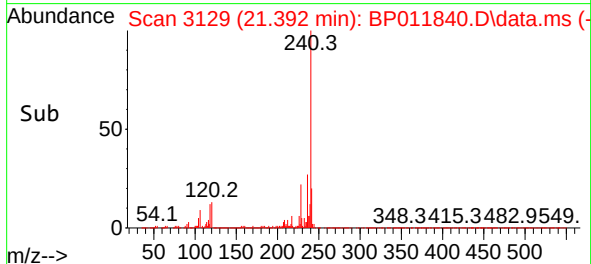
Instrument :
BNA_P
ClientSampleId :
SU-04-092622DL



Tgt Ion:240 Resp: 2614587
Ion Ratio Lower Upper
240 100
120 13.5 12.0 18.0
236 26.9 21.1 31.7

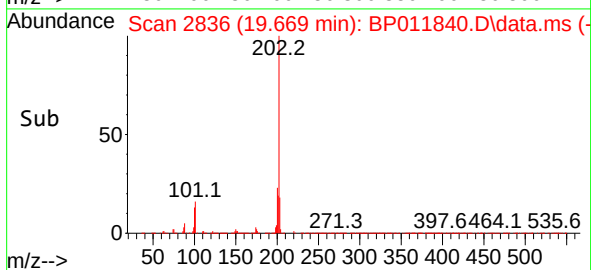
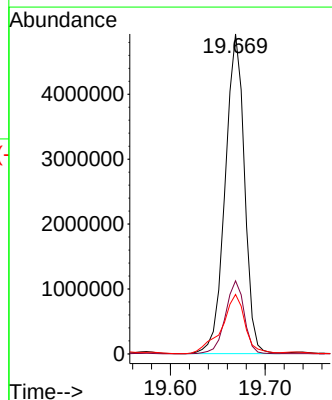
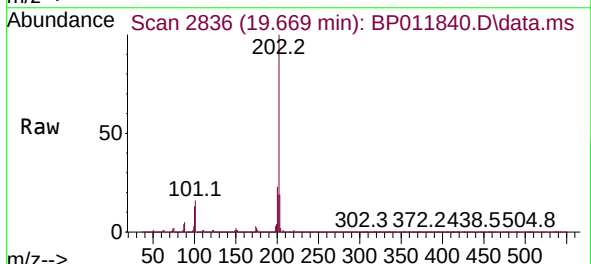
Manual Integrations
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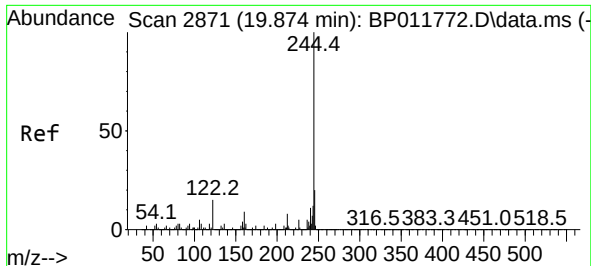
Reviewed By :Christian Giraldo 09/30/2022
Supervised By :Jagrut Upadhyay 09/30/2022



#78
Pyrene
Concen: 39.845 ng
RT: 19.669 min Scan# 2836
Delta R.T. 0.000 min
Lab File: BP011840.D
Acq: 29 Sep 2022 13:50

Tgt Ion:202 Resp: 6961287
Ion Ratio Lower Upper
202 100
200 22.8 17.8 26.6
203 18.6 14.3 21.5





#79
 Terphenyl-d14
 Concen: 7.516 ng
 RT: 19.863 min Scan# 2869
 Delta R.T. -0.006 min
 Lab File: BP011840.D
 Acq: 29 Sep 2022 13:50

Instrument :

BNA_P

ClientSampleId :

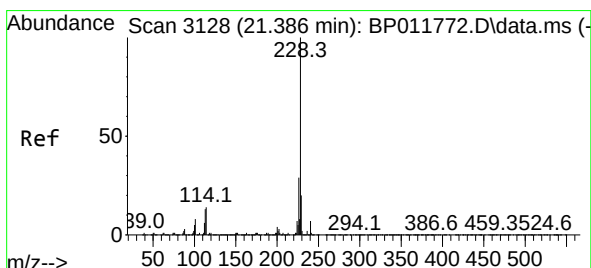
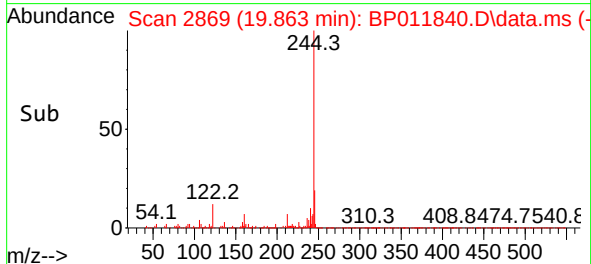
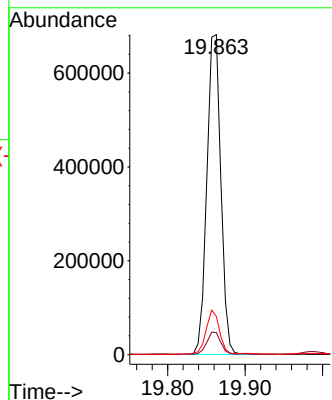
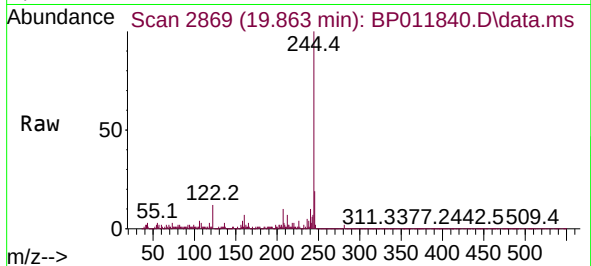
SU-04-092622DL

Tgt Ion:244 Resp: 854597
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.5 9.7
 122 12.0 11.8 17.8

Manual Integrations

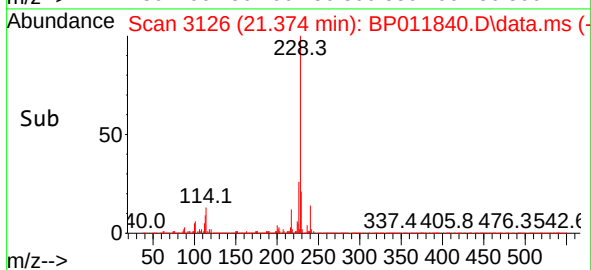
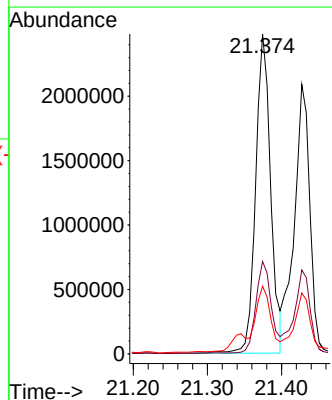
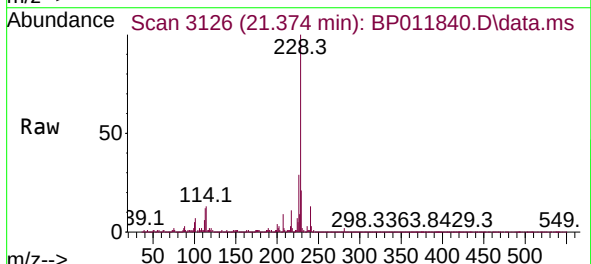
APPROVED

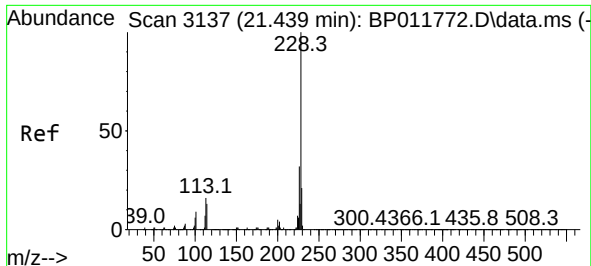
Reviewed By :Christian Giraldo 09/30/2022
 Supervised By :Jagrut Upadhyay 09/30/2022



#81
 Benzo(a)anthracene
 Concen: 20.156 ng
 RT: 21.374 min Scan# 3126
 Delta R.T. -0.006 min
 Lab File: BP011840.D
 Acq: 29 Sep 2022 13:50

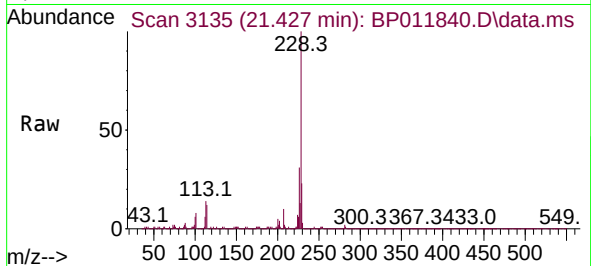
Tgt Ion:228 Resp: 3477034
 Ion Ratio Lower Upper
 228 100
 226 28.9 23.1 34.7
 229 21.1 16.3 24.5





#83
Chrysene
Concen: 18.588 ng
RT: 21.427 min Scan# 3137
Delta R.T. -0.006 min
Lab File: BP011840.D
Acq: 29 Sep 2022 13:50

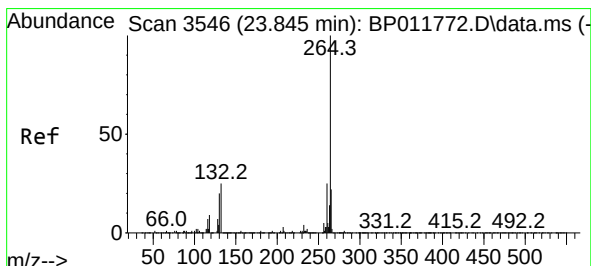
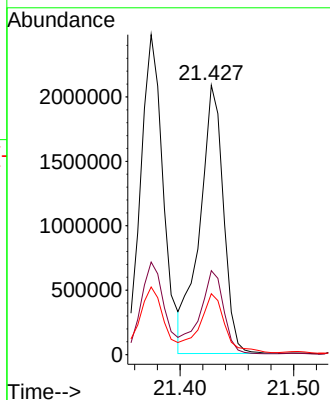
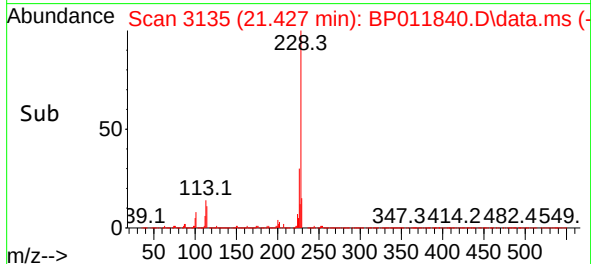
Instrument :
BNA_P
ClientSampleId :
SU-04-092622DL



Tgt Ion:228 Resp: 3038386
Ion Ratio Lower Upper
228 100
226 31.1 25.5 38.3
229 22.6 16.4 24.6

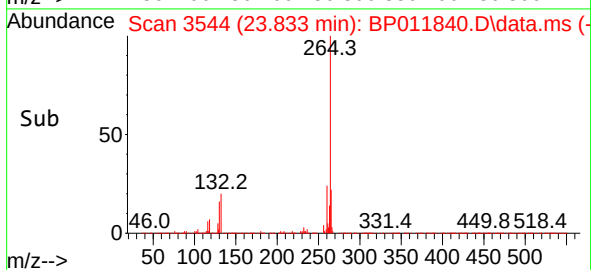
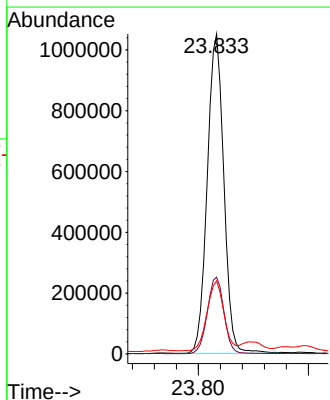
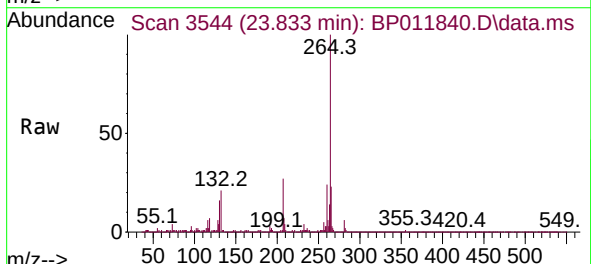
Manual Integrations
APPROVED

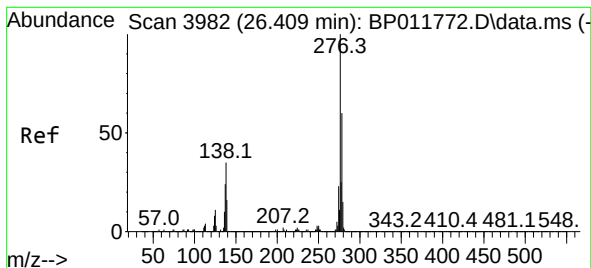
Reviewed By :Christian Giraldo 09/30/2022
Supervised By :Jagrut Upadhyay 09/30/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.833 min Scan# 3544
Delta R.T. -0.006 min
Lab File: BP011840.D
Acq: 29 Sep 2022 13:50

Tgt Ion:264 Resp: 2193539
Ion Ratio Lower Upper
264 100
260 24.0 19.7 29.5
265 22.8 17.8 26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.798 ng

RT: 26.368 min Scan# 3982

Delta R.T. -0.035 min

Lab File: BP011840.D

Acq: 29 Sep 2022 13:50

Instrument :

BNA_P

ClientSampleId :

SU-04-092622DL

Tgt Ion:276 Resp: 116685

Ion Ratio Lower Upper

276 100

138 27.0 29.7 44.5

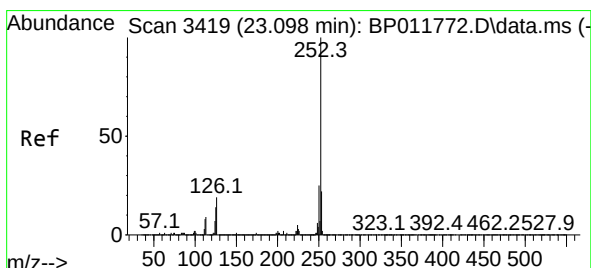
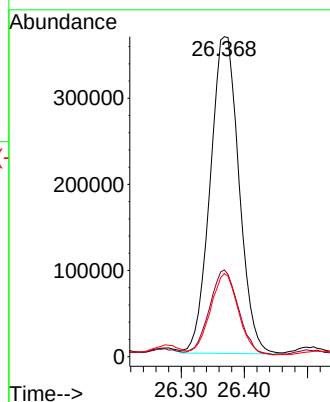
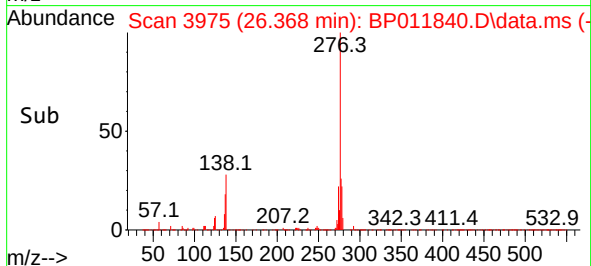
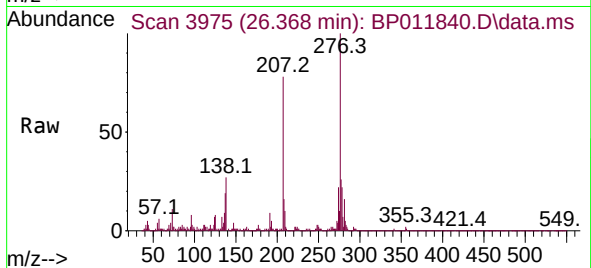
277 25.0 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/30/2022

Supervised By :Jagrut Upadhyay 09/30/2022



#88

Benzo(b)fluoranthene

Concen: 21.878 ng

RT: 23.086 min Scan# 3417

Delta R.T. -0.006 min

Lab File: BP011840.D

Acq: 29 Sep 2022 13:50

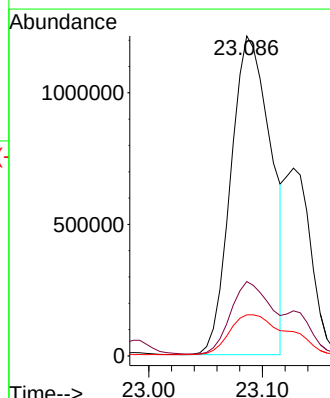
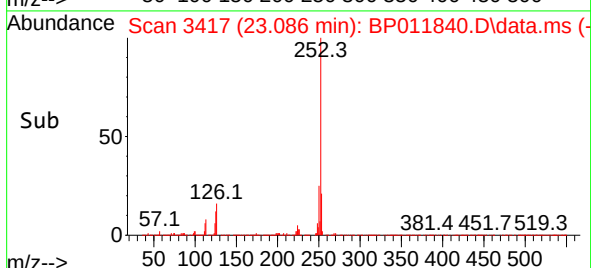
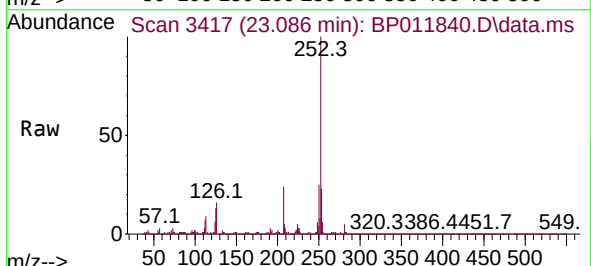
Tgt Ion:252 Resp: 2979639

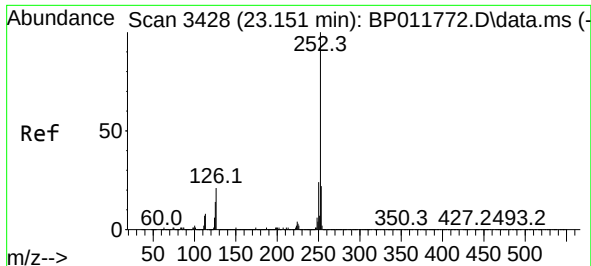
Ion Ratio Lower Upper

252 100

253 23.2 17.9 26.9

125 12.8 11.6 17.4





#89

Benzo(k)fluoranthene

Concen: 8.032 ng m

RT: 23.127 min Scan# 34

Delta R.T. -0.012 min

Lab File: BP011840.D

Acq: 29 Sep 2022 13:50

Instrument :

BNA_P

ClientSampleId :

SU-04-092622DL

Tgt Ion:252 Resp: 112089

Ion Ratio Lower Upper

252 100

253 24.0 17.7 26.5

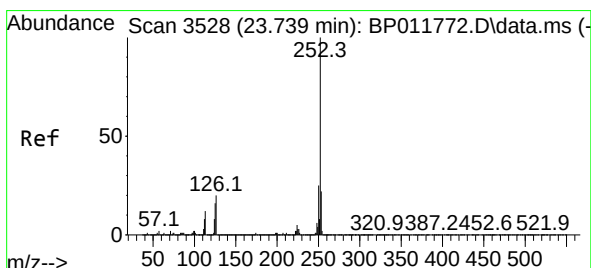
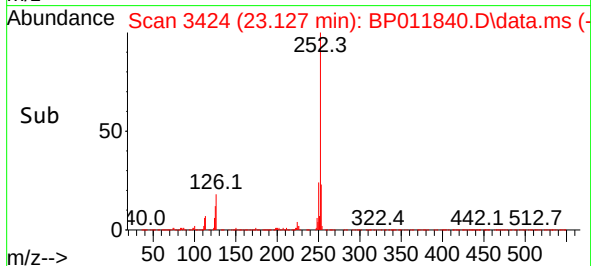
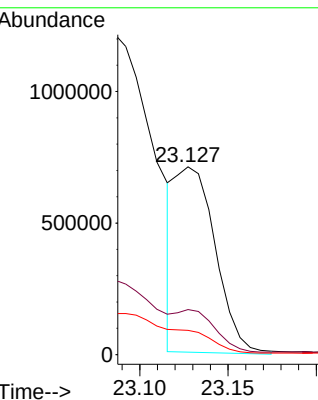
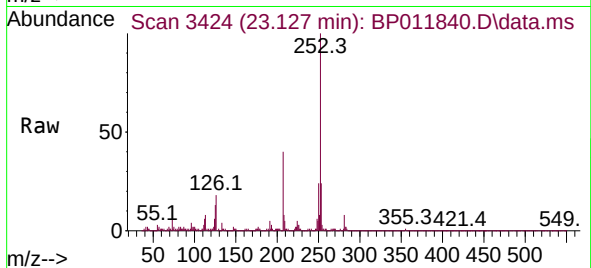
125 12.9 11.2 16.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/30/2022

Supervised By :Jagrut Upadhyay 09/30/2022



#90

Benzo(a)pyrene

Concen: 18.603 ng

RT: 23.721 min Scan# 3525

Delta R.T. -0.012 min

Lab File: BP011840.D

Acq: 29 Sep 2022 13:50

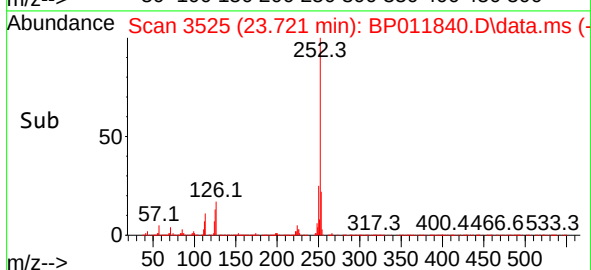
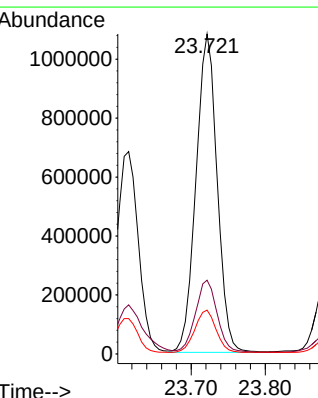
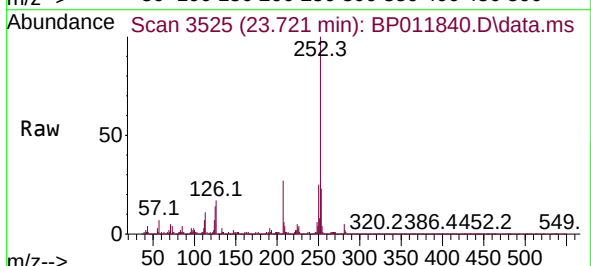
Tgt Ion:252 Resp: 2143599

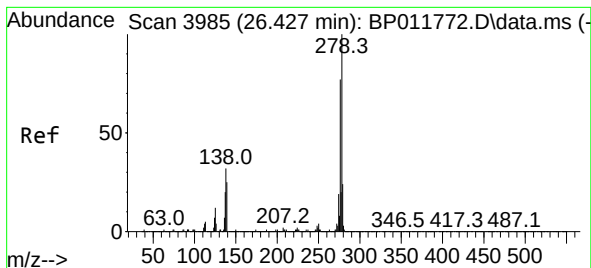
Ion Ratio Lower Upper

252 100

253 23.0 17.7 26.5

125 13.7 12.6 19.0





#91

Dibenzo(a,h)anthracene

Concen: 2.176 ng

RT: 26.374 min Scan# 3985

Delta R.T. -0.047 min

Lab File: BP011840.D

Acq: 29 Sep 2022 13:50

Instrument :

BNA_P

ClientSampleId :

SU-04-092622DL

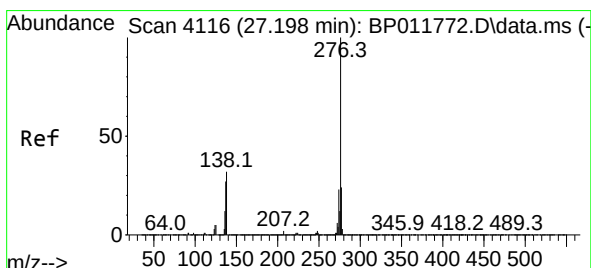
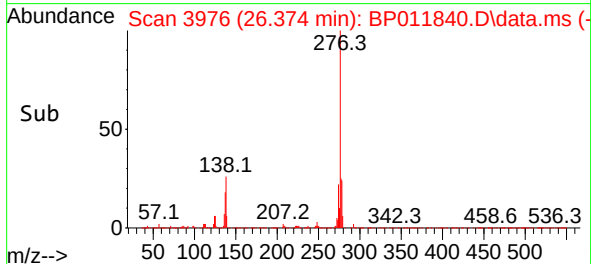
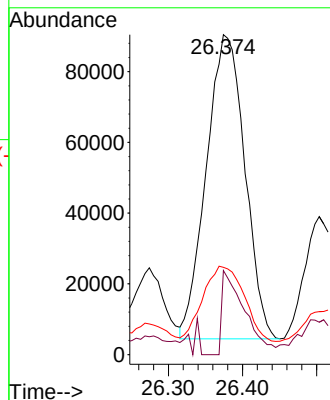
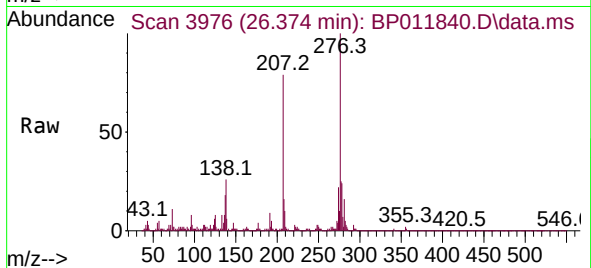
Tgt Ion:	278	Resp:	310074
Ion Ratio	Lower	Upper	
278	100		
139	26.3	19.6	29.4
279	27.3	19.3	28.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/30/2022

Supervised By :Jagrut Upadhyay 09/30/2022



#92

Benzo(g,h,i)perylene

Concen: 7.911 ng

RT: 27.151 min Scan# 4108

Delta R.T. -0.029 min

Lab File: BP011840.D

Acq: 29 Sep 2022 13:50

Tgt Ion:	276	Resp:	1091373
Ion Ratio	Lower	Upper	
276	100		
277	24.4	19.3	28.9
138	26.9	25.6	38.4

