

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
 Data File : BP008427.D
 Acq On : 15 Dec 2021 20:57
 Operator : CG/JU
 Sample : M5065-01 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 UV-1WC

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/28/2021
 Supervised By :mohammad ahmed 12/29/2021

Quant Time: Dec 15 21:35:23 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 14 17:59:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.740	152	66336	20.00	ng	0.00
21) Naphthalene-d8	10.540	136	243916	20.00	ng	0.00
39) Acenaphthene-d10	14.393	164	164268	20.00	ng	0.00
64) Phenanthrene-d10	17.157	188	353161	20.00	ng	0.00
76) Chrysene-d12	21.269	240	390979	20.00	ng	0.00
86) Perylene-d12	23.633	264	430907	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	57095	13.59	ng	0.00
7) Phenol-d6	6.952	99	71716	12.71	ng	0.01
23) Nitrobenzene-d5	8.916	82	50084	8.70	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	31692	13.13	ng	0.00
45) 2-Fluorobiphenyl	13.016	172	103241	7.99	ng	0.00
79) Terphenyl-d14	19.728	244	183928	8.19	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.198	178	170003	8.89	ng	99
72) Anthracene	17.292	178	53014	2.81	ng	99
75) Fluoranthene	19.180	202	299646	13.87	ng	98
78) Pyrene	19.533	202	242804	8.68	ng	99
81) Benzo(a)anthracene	21.251	228	147794	5.64	ng	97
83) Chrysene	21.304	228	122647	4.90	ng	97
88) Benzo(b)fluoranthene	22.921	252	158833	6.13	ng	# 92
89) Benzo(k)fluoranthene	22.963	252	52922m	2.02	ng	
90) Benzo(a)pyrene	23.533	252	112289	4.99	ng	# 93
92) Benzo(g,h,i)perylene	26.868	276	67430	2.40	ng	96

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

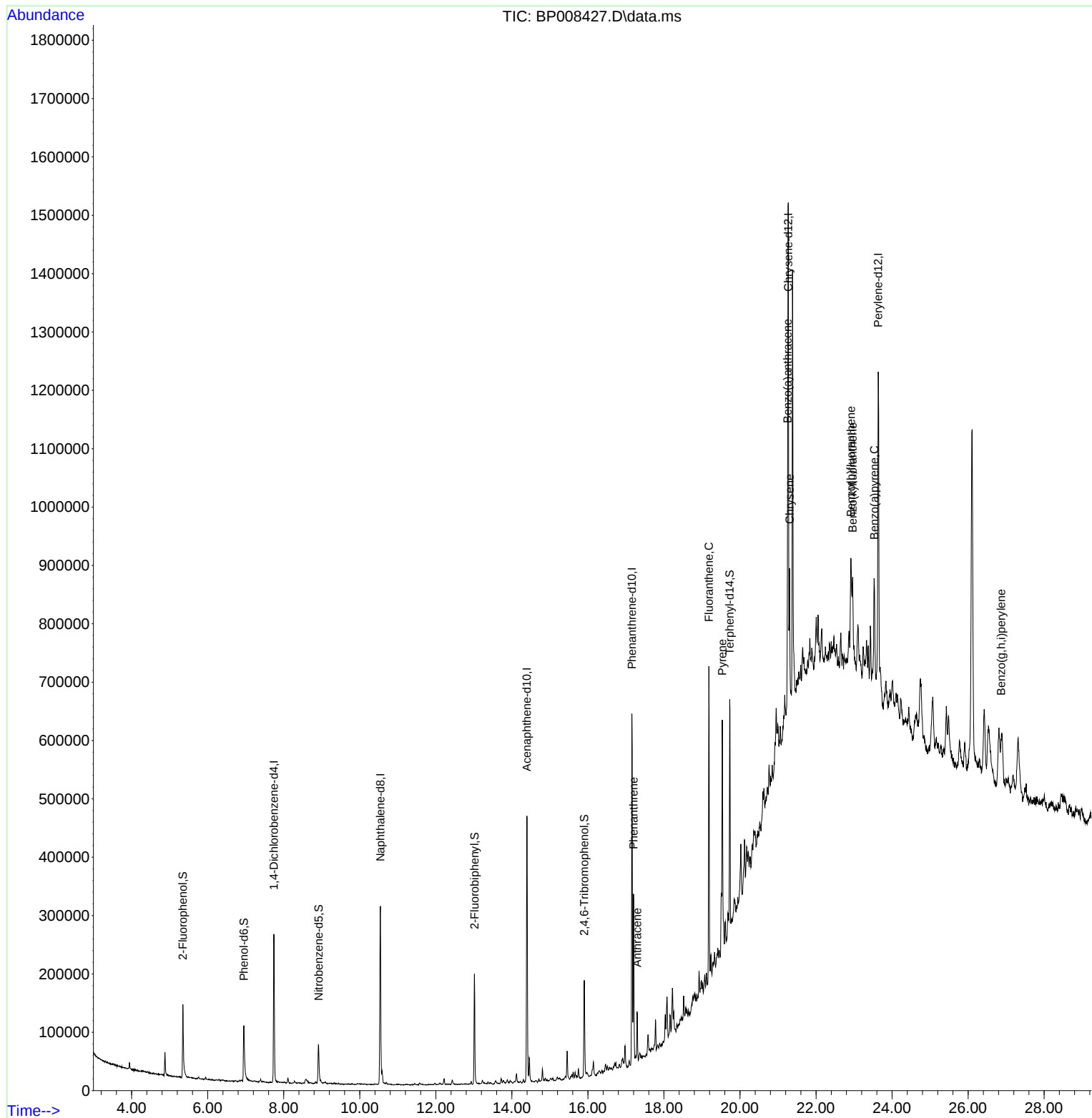
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Data File : BP008427.D
Acq On : 15 Dec 2021 20:57
Operator : CG/JU
Sample : M5065-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

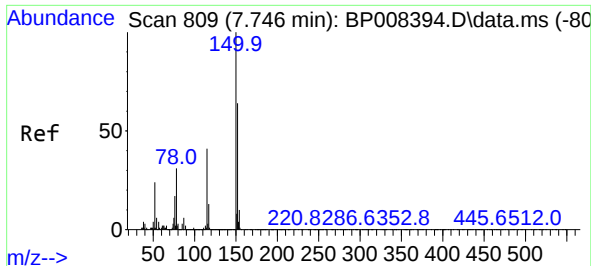
Instrument :
BNA_P
ClientSampleId :
UV-1WC

Quant Time: Dec 15 21:35:23 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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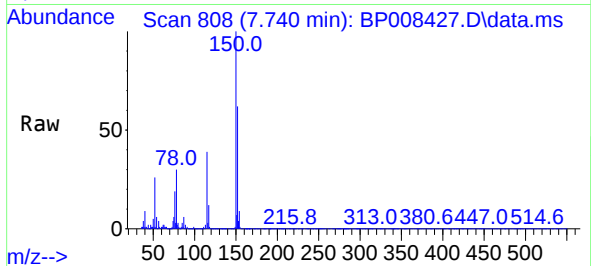
Reviewed By :Jagrut Upadhyay 12/28/2021
Supervised By :mohammad ahmed 12/29/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.740 min Scan# 809
Delta R.T. -0.006 min
Lab File: BP008427.D
Acq: 15 Dec 2021 20:57

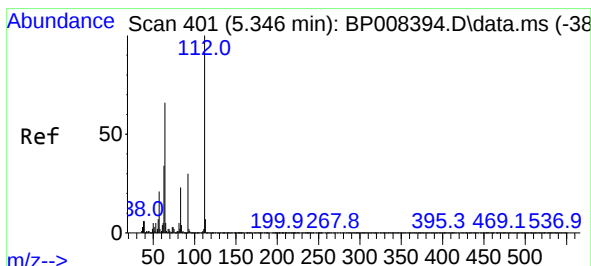
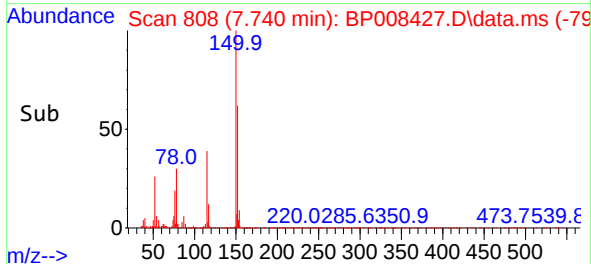
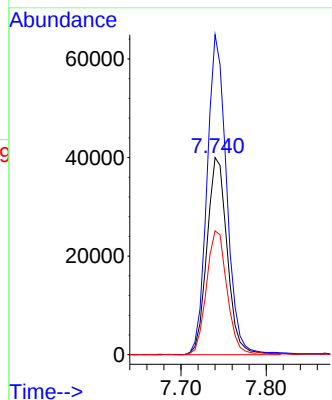
Instrument :
BNA_P
ClientSampleId :
UV-1WC



Tgt Ion:152 Resp: 66330
Ion Ratio Lower Upper
152 100
150 162.3 125.7 188.5
115 62.8 50.7 76.1

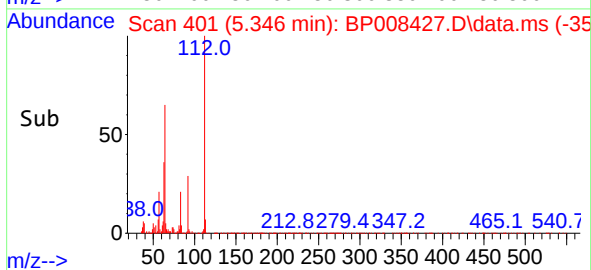
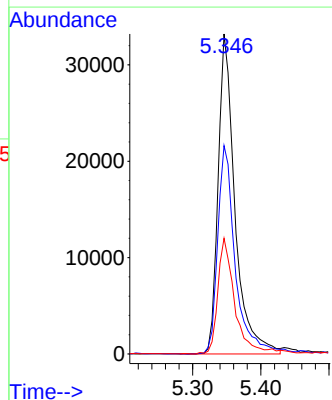
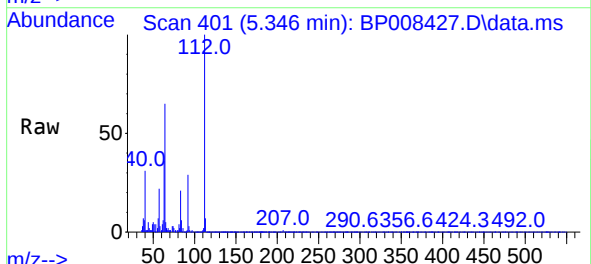
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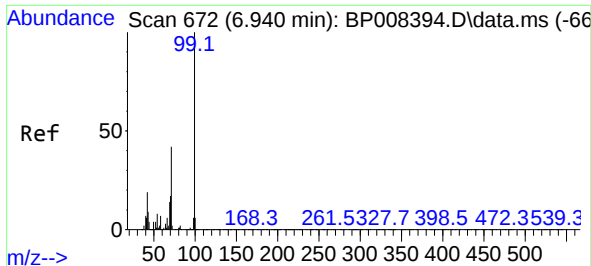
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Supervised By :mohammad ahmed 12/29/2021



#5
2-Fluorophenol
Concen: 13.59 ng
RT: 5.346 min Scan# 401
Delta R.T. 0.000 min
Lab File: BP008427.D
Acq: 15 Dec 2021 20:57

Tgt Ion:112 Resp: 57095
Ion Ratio Lower Upper
112 100
64 65.1 53.4 80.2
63 36.1 27.8 41.8





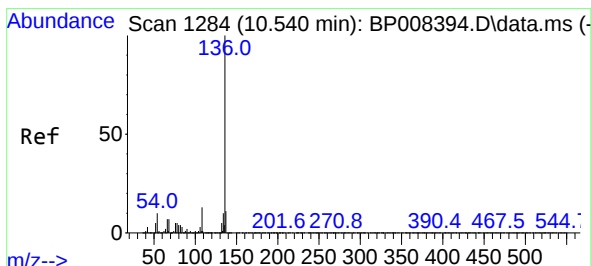
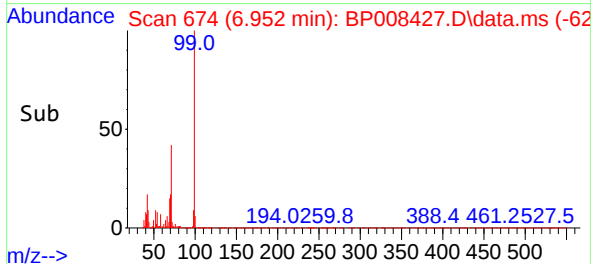
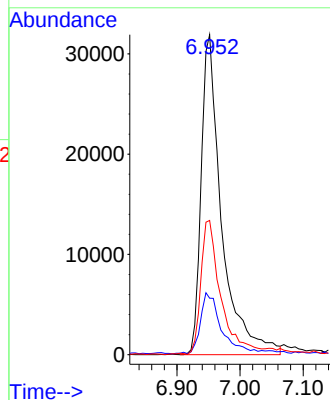
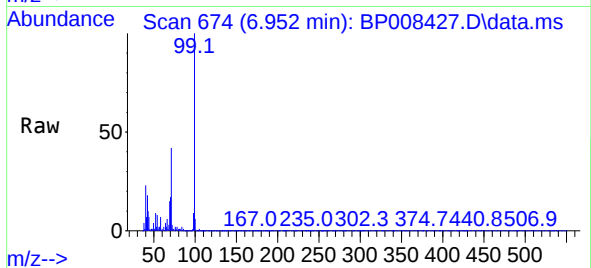
Phenol-d6
Concen: 12.71 ng
RT: 6.952 min Scan# 61
Delta R.T. 0.012 min
Lab File: BP008427.D
Acq: 15 Dec 2021 20:57

Instrument :
BNA_P
ClientSampleId :
UV-1WC

Tgt Ion: 99	Resp: 7171
Ion Ratio	Lower Upper
99 100	
42 17.7	14.6 22.0
71 41.9	31.1 46.7

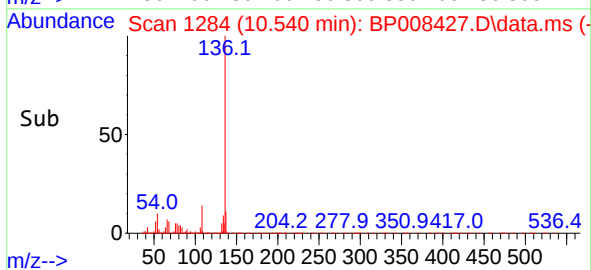
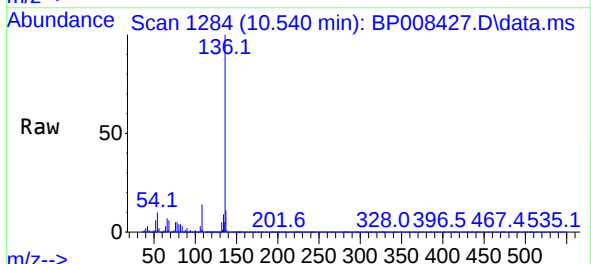
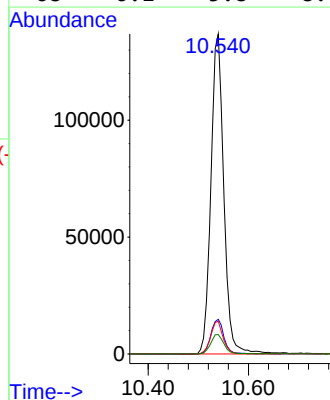
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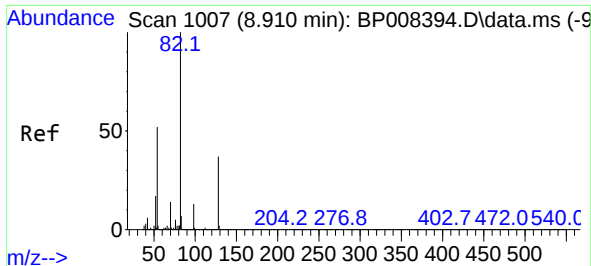
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.540 min Scan# 1284
Delta R.T. -0.000 min
Lab File: BP008427.D
Acq: 15 Dec 2021 20:57

Tgt Ion:136	Resp: 243916
Ion Ratio	Lower Upper
136 100	
137 10.8	9.0 13.6
54 10.2	8.2 12.4
68 6.1	5.8 8.8





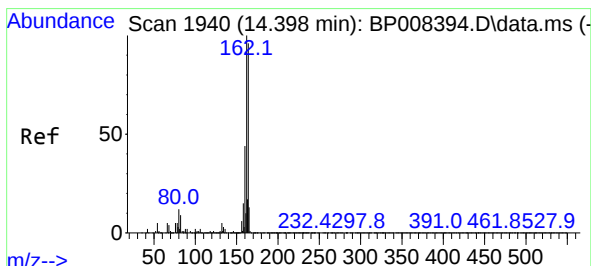
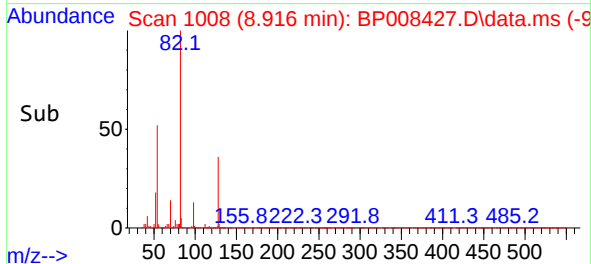
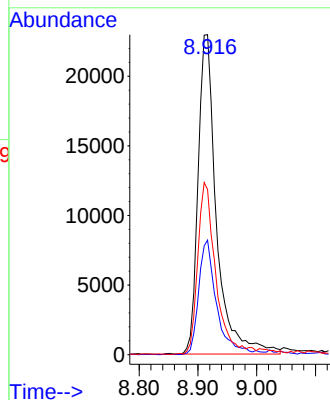
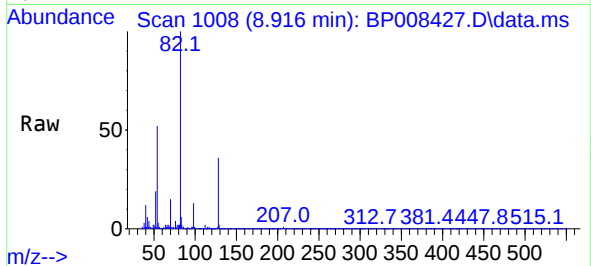
#23
Nitrobenzene-d5
Concen: 8.70 ng
RT: 8.916 min Scan# 1008
Delta R.T. 0.006 min
Lab File: BP008427.D
Acq: 15 Dec 2021 20:57

Instrument :
BNA_P
ClientSampleId :
UV-1WC

Tgt Ion: 82 Resp: 50084
Ion Ratio Lower Upper
82 100
128 35.8 29.6 44.4
54 51.6 42.7 64.1

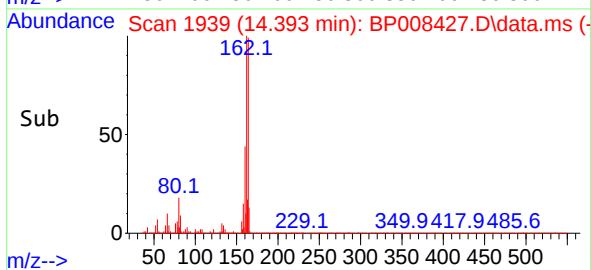
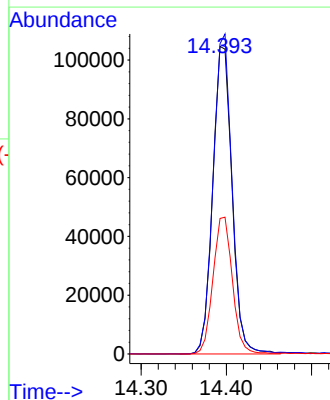
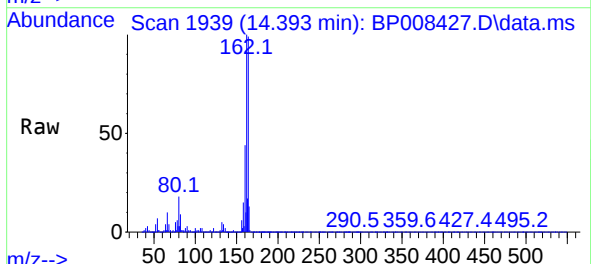
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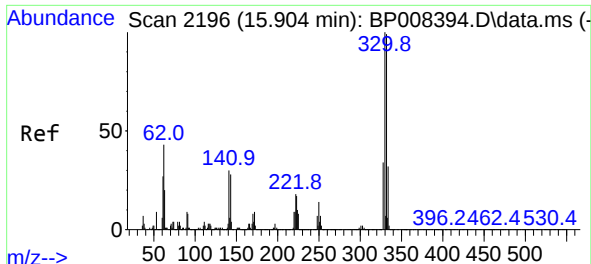
Reviewed By :Jagrut Upadhyay 12/28/2021
Supervised By :mohammad ahmed 12/29/2021



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.393 min Scan# 1939
Delta R.T. -0.005 min
Lab File: BP008427.D
Acq: 15 Dec 2021 20:57

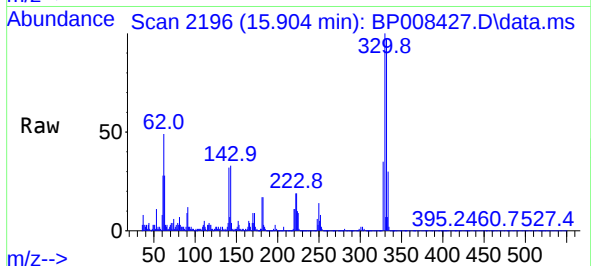
Tgt Ion:164 Resp: 164268
Ion Ratio Lower Upper
164 100
162 100.9 81.9 122.9
160 44.1 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 13.13 ng
RT: 15.904 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BP008427.D
Acq: 15 Dec 2021 20:57

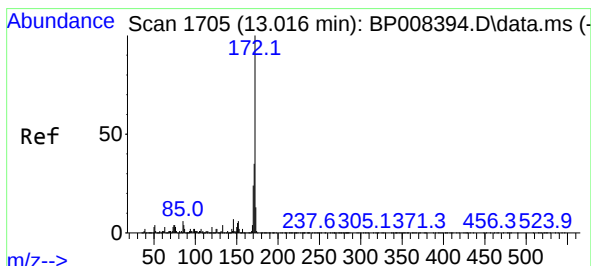
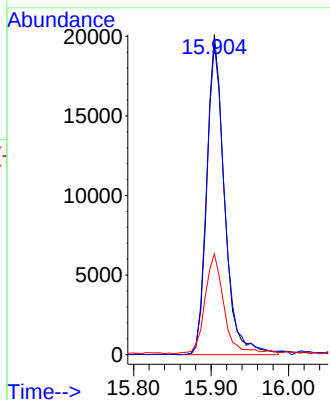
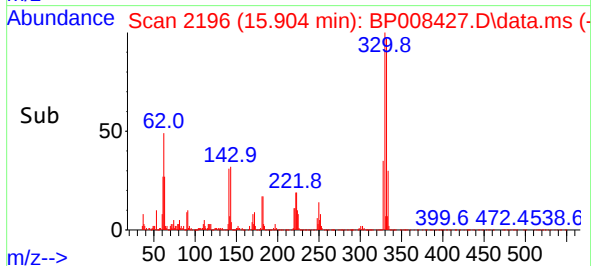
Instrument :
BNA_P
ClientSampleId :
UV-1WC



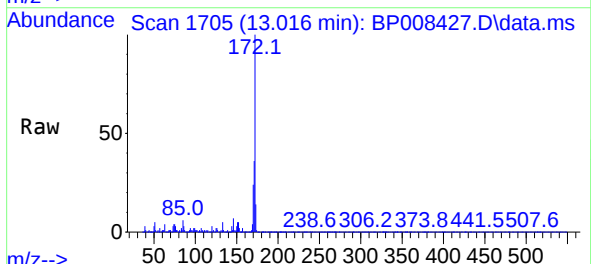
Tgt Ion:330 Resp: 31692
Ion Ratio Lower Upper
330 100
332 100.5 77.0 115.4
141 33.1 28.4 42.6

Manual Integrations
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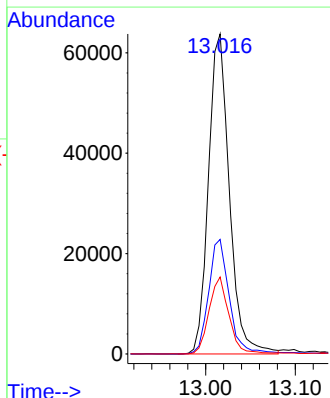
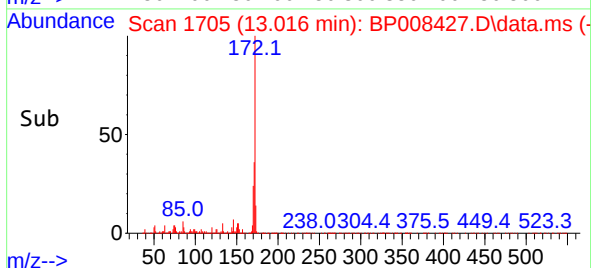
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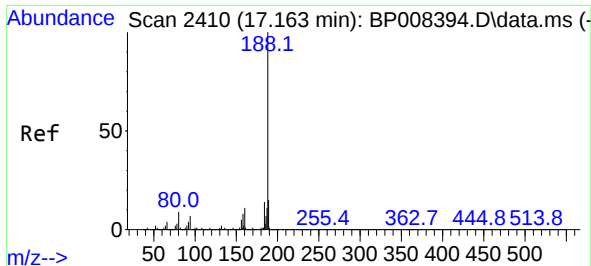


#45
2-Fluorobiphenyl
Concen: 7.99 ng
RT: 13.016 min Scan# 1705
Delta R.T. 0.000 min
Lab File: BP008427.D
Acq: 15 Dec 2021 20:57



Tgt Ion:172 Resp: 103241
Ion Ratio Lower Upper
172 100
171 35.8 28.0 42.0
170 24.1 18.9 28.3





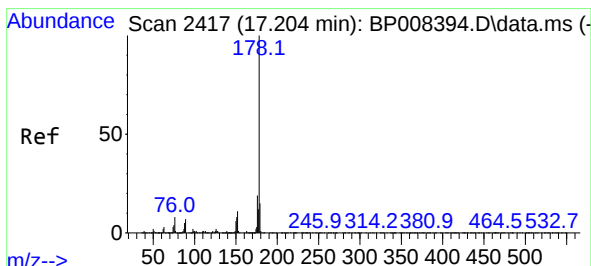
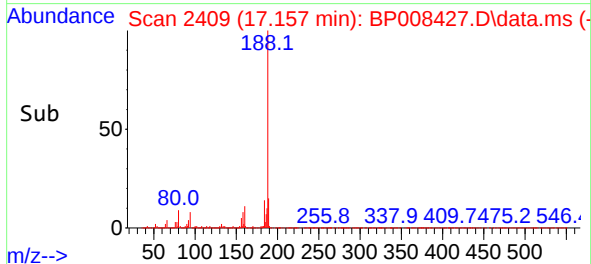
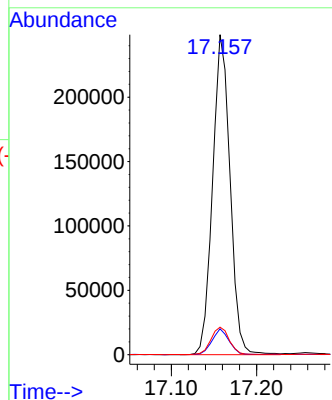
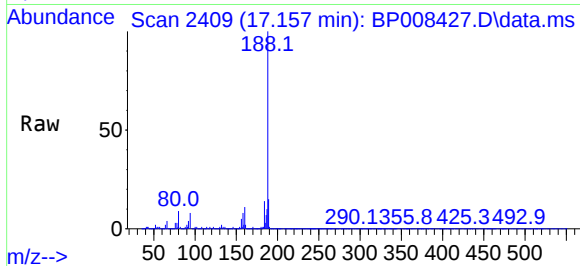
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.157 min Scan# 2410
Delta R.T. -0.006 min
Lab File: BP008427.D
Acq: 15 Dec 2021 20:57

Instrument :
BNA_P
ClientSampleId :
UV-1WC

Tgt Ion:188 Resp: 35316
Ion Ratio Lower Upper
188 100
94 8.1 7.2 10.8
80 8.6 8.2 12.4

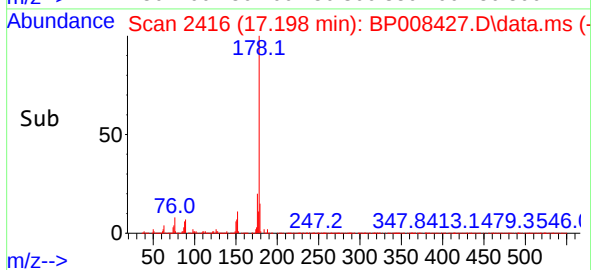
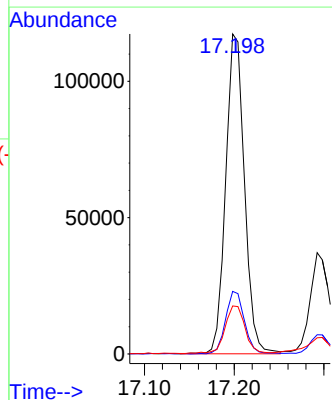
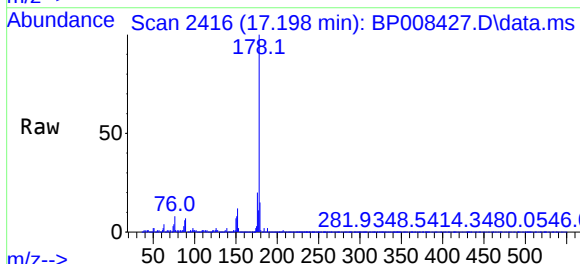
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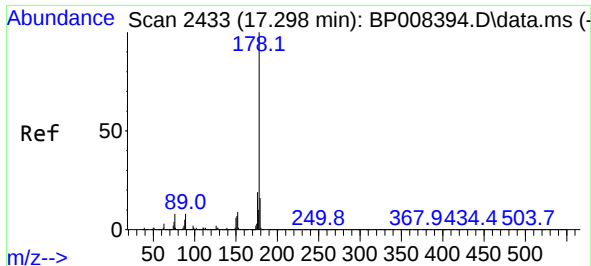
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Supervised By :mohammad ahmed 12/29/2021



#71
Phenanthrene
Concen: 8.89 ng
RT: 17.198 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BP008427.D
Acq: 15 Dec 2021 20:57

Tgt Ion:178 Resp: 170003
Ion Ratio Lower Upper
178 100
176 19.6 15.3 22.9
179 15.0 12.5 18.7





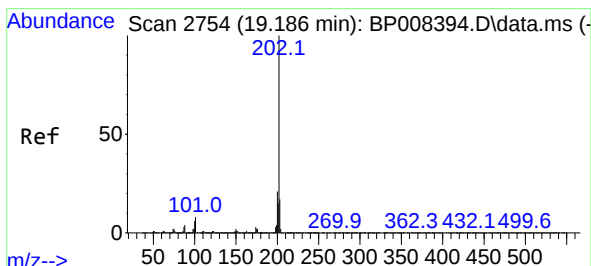
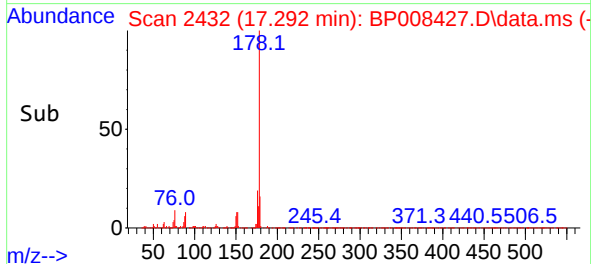
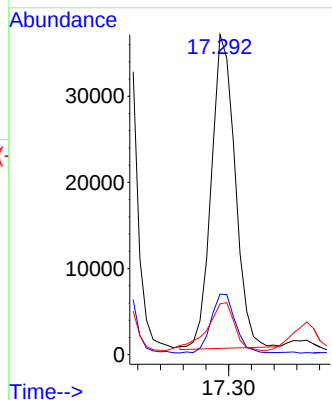
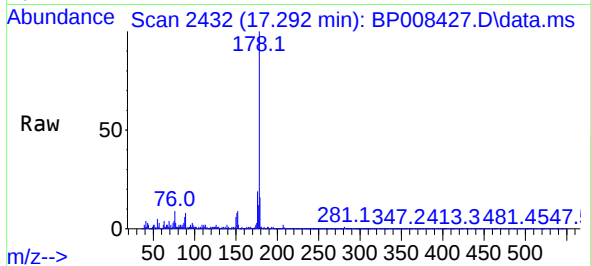
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 Anthracene
 Concen: 2.81 ng
 RT: 17.292 min Scan# 2433
 Delta R.T. -0.006 min
 Lab File: BP008427.D
 Acq: 15 Dec 2021 20:57

Instrument :
 BNA_P
 ClientSampleId :
 UV-1WC

Tgt Ion:178 Resp: 53014
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.1 22.7
 179 15.9 12.3 18.5

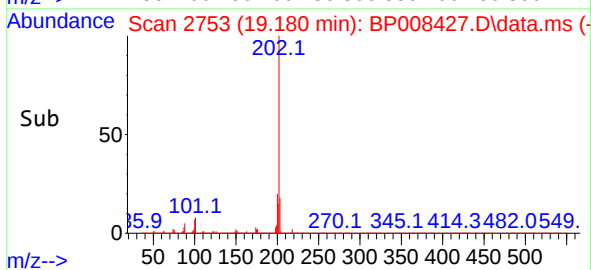
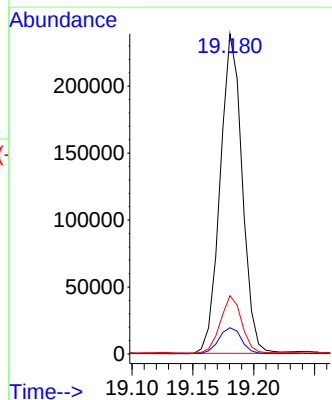
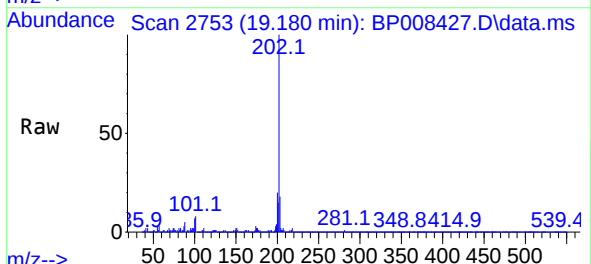
Manual Integrations
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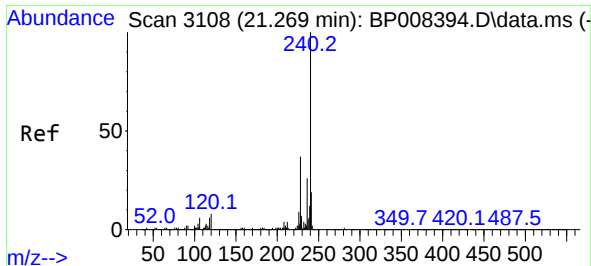
Reviewed By :Jagrut Upadhyay 12/28/2021
 Supervised By :mohammad ahmed 12/29/2021



#75
 Fluoranthene
 Concen: 13.87 ng
 RT: 19.180 min Scan# 2753
 Delta R.T. -0.006 min
 Lab File: BP008427.D
 Acq: 15 Dec 2021 20:57

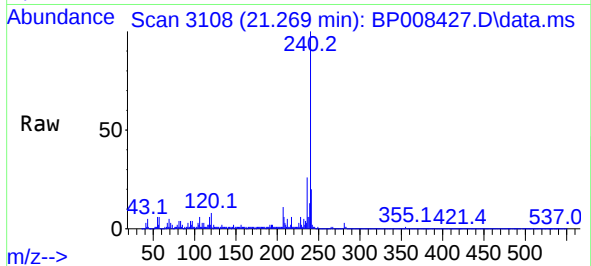
Tgt Ion:202 Resp: 299646
 Ion Ratio Lower Upper
 202 100
 101 8.2 0.0 29.8
 203 18.2 0.0 37.7





#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.269 min Scan# 3108
Delta R.T. 0.000 min
Lab File: BP008427.D
Acq: 15 Dec 2021 20:57

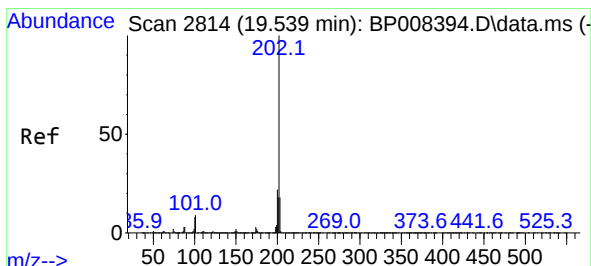
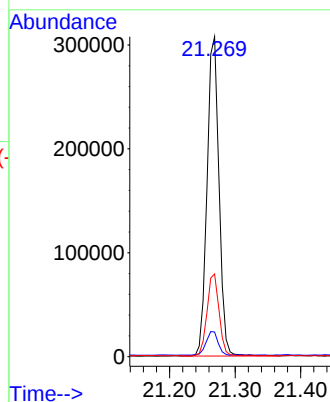
Instrument :
BNA_P
ClientSampleId :
UV-1WC



Tgt Ion:240 Resp: 390979
Ion Ratio Lower Upper
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120 7.7 7.3 10.9
236 25.8 21.4 32.2

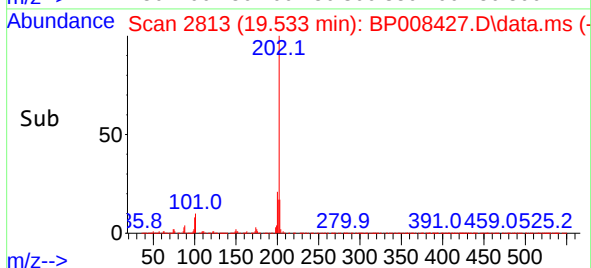
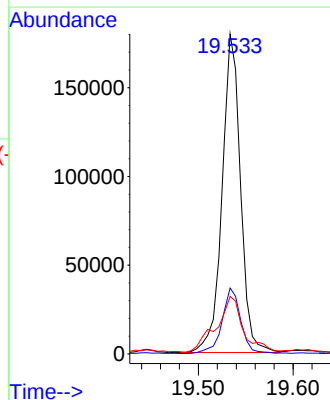
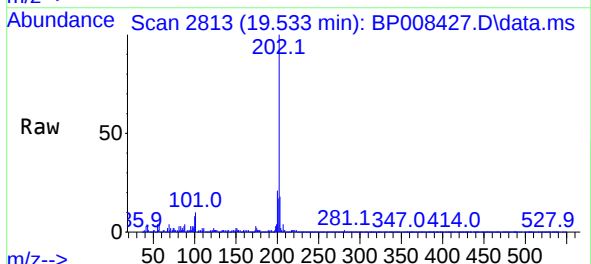
Manual Integrations
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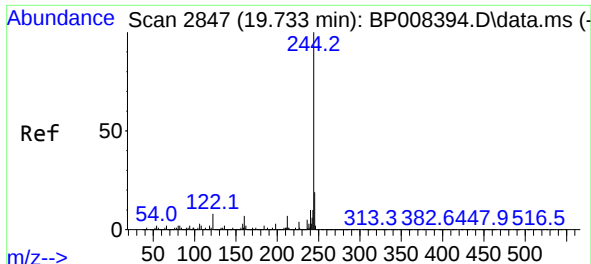
Reviewed By :Jagrut Upadhyay 12/28/2021
Supervised By :mohammad ahmed 12/29/2021



#78
Pyrene
Concen: 8.68 ng
RT: 19.533 min Scan# 2813
Delta R.T. -0.006 min
Lab File: BP008427.D
Acq: 15 Dec 2021 20:57

Tgt Ion:202 Resp: 242804
Ion Ratio Lower Upper
202 100
200 20.6 17.1 25.7
203 17.9 14.2 21.2





#79
 Terphenyl-d14
 Concen: 8.19 ng
 RT: 19.728 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP008427.D
 Acq: 15 Dec 2021 20:57

Instrument :

BNA_P

ClientSampleId :

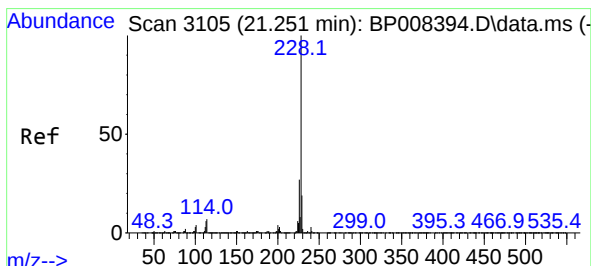
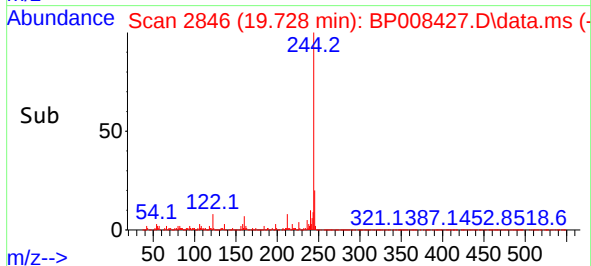
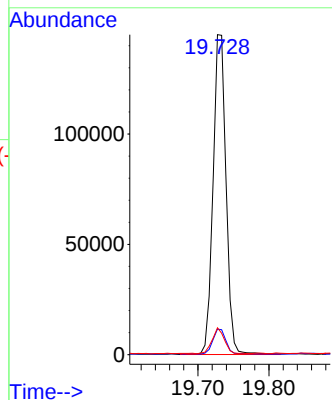
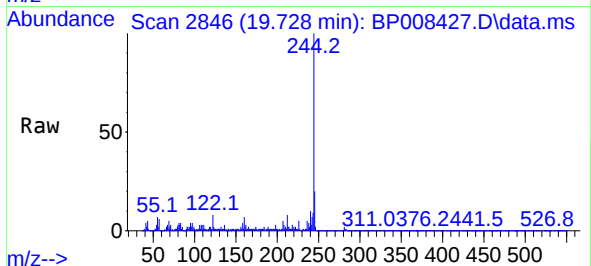
UV-1WC

Tgt Ion:244 Resp: 183928
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.0 9.0
 122 8.4 6.6 9.8

Manual Integrations

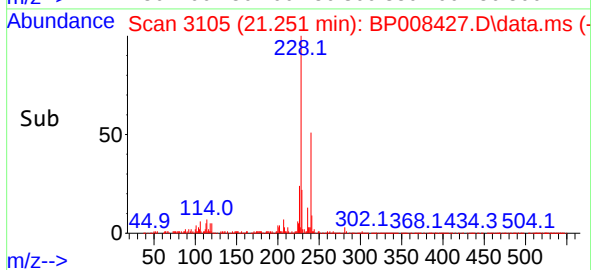
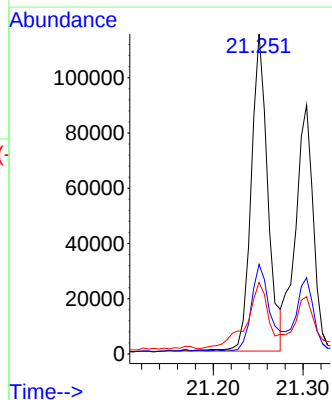
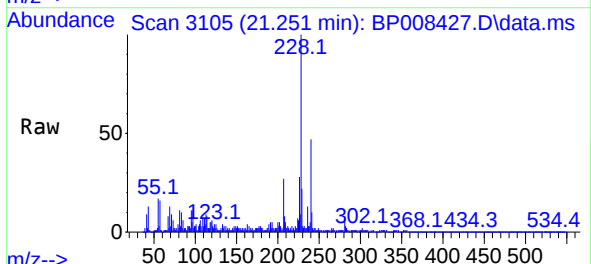
APPROVED

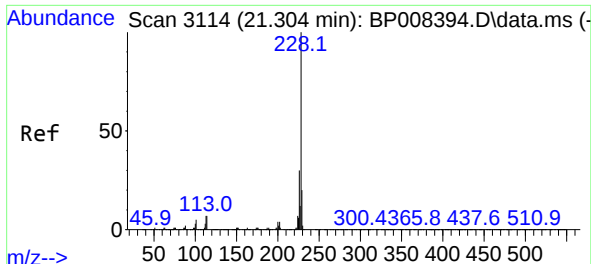
Reviewed By :Jagrut Upadhyay 12/28/2021
 Supervised By :mohammad ahmed 12/29/2021



#81
 Benzo(a)anthracene
 Concen: 5.64 ng
 RT: 21.251 min Scan# 3105
 Delta R.T. 0.000 min
 Lab File: BP008427.D
 Acq: 15 Dec 2021 20:57

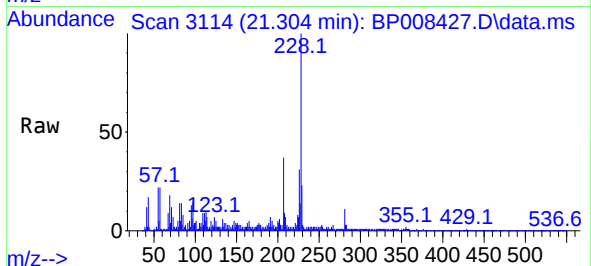
Tgt Ion:228 Resp: 147794
 Ion Ratio Lower Upper
 228 100
 226 28.0 21.9 32.9
 229 22.4 15.9 23.9





#83
Chrysene
Concen: 4.90 ng
RT: 21.304 min Scan# 3114
Delta R.T. 0.000 min
Lab File: BP008427.D
Acq: 15 Dec 2021 20:57

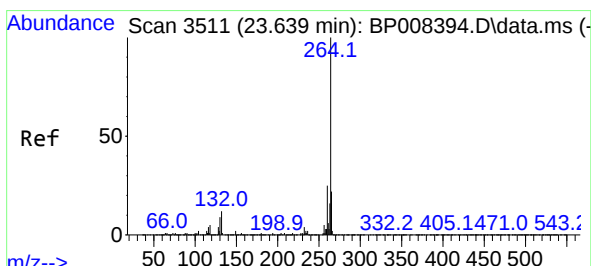
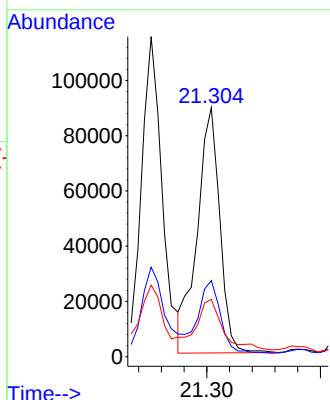
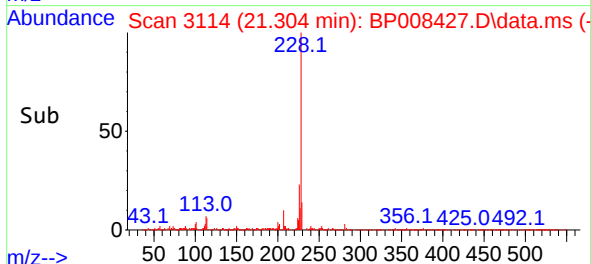
Instrument :
BNA_P
ClientSampleId :
UV-1WC



Tgt Ion:228 Resp: 12264
Ion Ratio Lower Upper
228 100
226 30.6 24.0 36.0
229 23.0 15.8 23.8

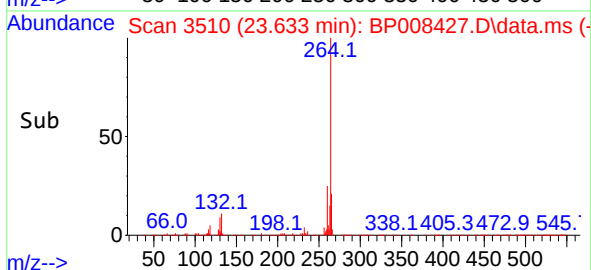
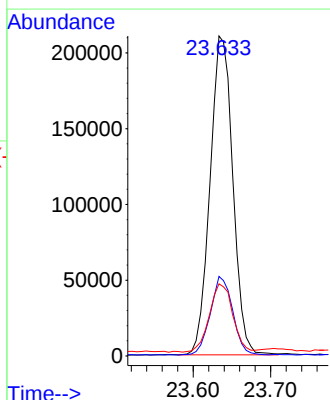
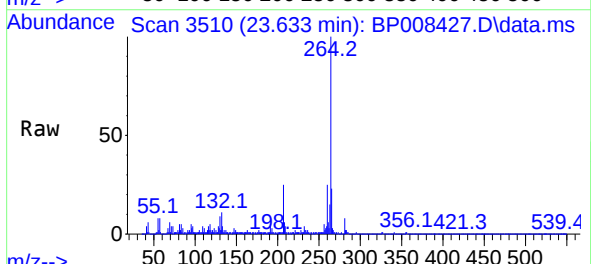
Manual Integrations
APPROVED

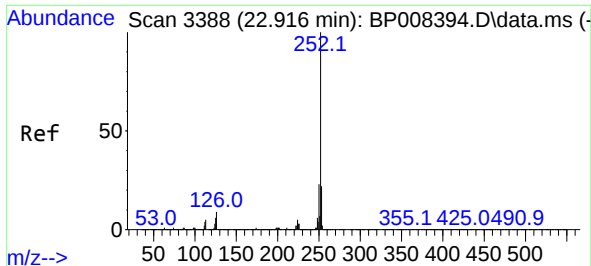
Reviewed By :Jagrut Upadhyay 12/28/2021
Supervised By :mohammad ahmed 12/29/2021



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.633 min Scan# 3510
Delta R.T. -0.006 min
Lab File: BP008427.D
Acq: 15 Dec 2021 20:57

Tgt Ion:264 Resp: 430907
Ion Ratio Lower Upper
264 100
260 24.9 19.4 29.2
265 22.5 17.6 26.4





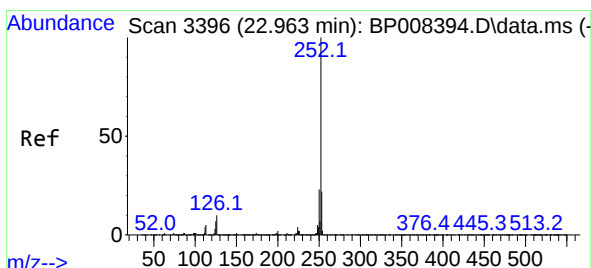
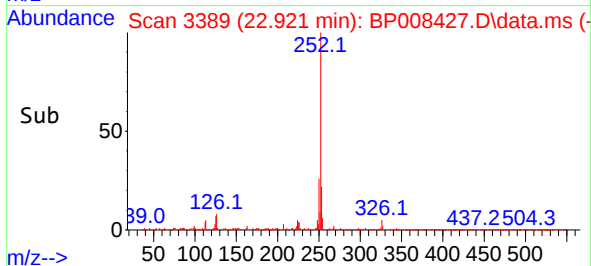
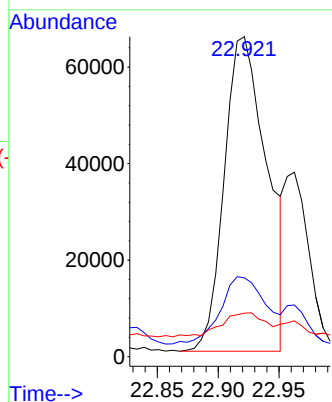
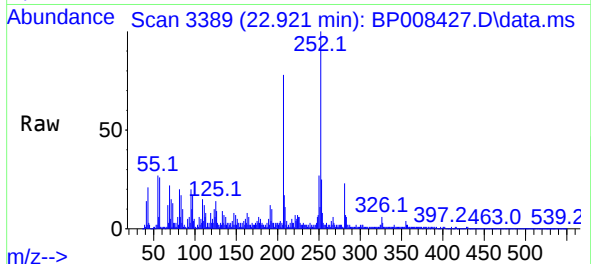
#88
Benzo(b)fluoranthene
Concen: 6.13 ng
RT: 22.921 min Scan# 3388
Delta R.T. 0.006 min
Lab File: BP008427.D
Acq: 15 Dec 2021 20:57

Instrument :
BNA_P
ClientSampleId :
UV-1WC

Tgt Ion:252 Resp: 15883
Ion Ratio Lower Upper
252 100
253 24.7 17.7 26.5
125 13.6 6.2 9.4

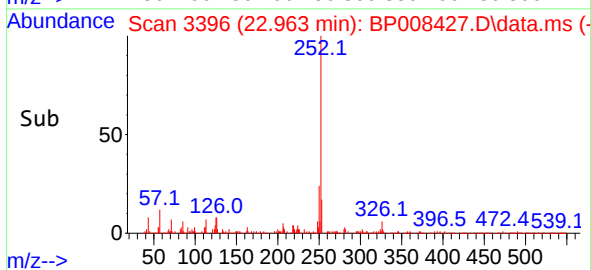
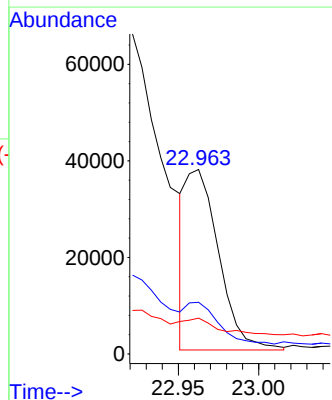
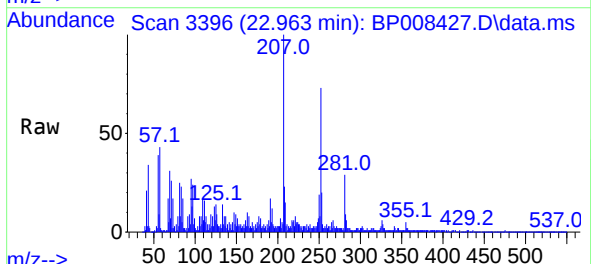
Manual Integrations
APPROVED

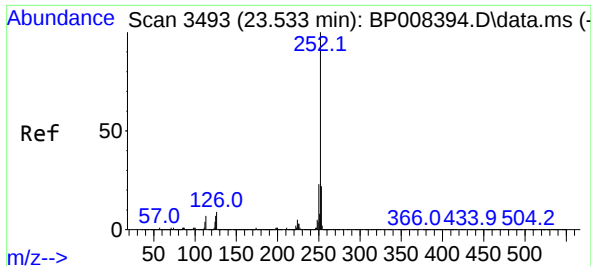
Reviewed By :Jagrut Upadhyay 12/28/2021
Supervised By :mohammad ahmed 12/29/2021



#89
Benzo(k)fluoranthene
Concen: 2.02 ng m
RT: 22.963 min Scan# 3396
Delta R.T. 0.000 min
Lab File: BP008427.D
Acq: 15 Dec 2021 20:57

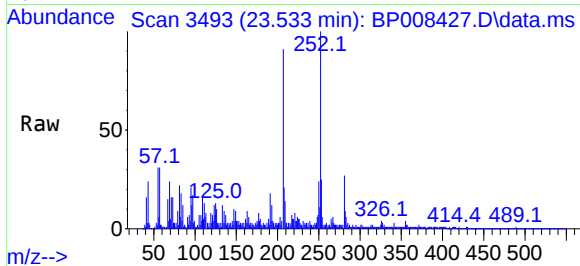
Tgt Ion:252 Resp: 52922
Ion Ratio Lower Upper
252 100
253 28.0 17.3 25.9#
125 19.4 6.5 9.7#





#90
Benzo(a)pyrene
Concen: 4.99 ng
RT: 23.533 min Scan# 3493
Delta R.T. 0.000 min
Lab File: BP008427.D
Acq: 15 Dec 2021 20:57

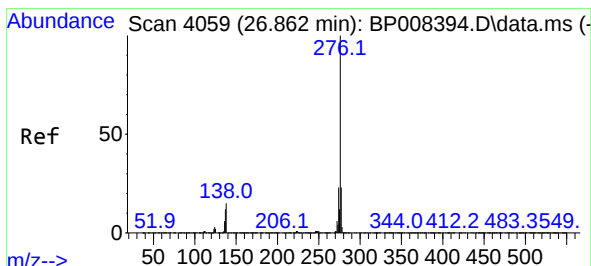
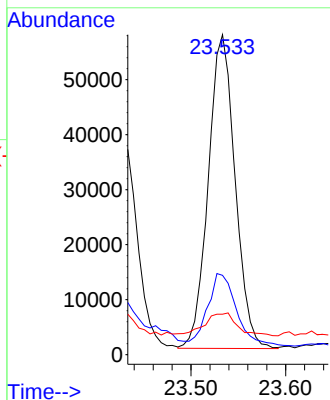
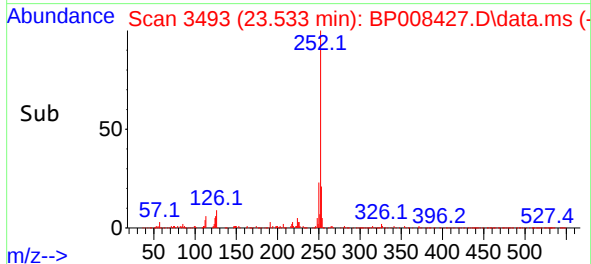
Instrument :
BNA_P
ClientSampleId :
UV-1WC



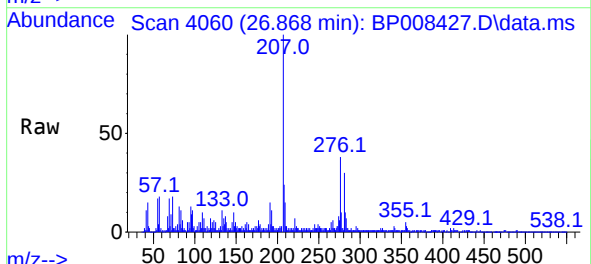
Tgt Ion:252 Resp: 112289
Ion Ratio Lower Upper
252 100
253 24.8 17.6 26.4
125 12.6 7.4 11.0

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/28/2021
Supervised By :mohammad ahmed 12/29/2021



#92
Benzo(g,h,i)perylene
Concen: 2.40 ng
RT: 26.868 min Scan# 4060
Delta R.T. 0.006 min
Lab File: BP008427.D
Acq: 15 Dec 2021 20:57



Tgt Ion:276 Resp: 67430
Ion Ratio Lower Upper
276 100
277 25.4 20.0 30.0
138 14.4 14.1 21.1

