

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012522\
 Data File : BP008917.D
 Acq On : 25 Jan 2022 20:29
 Operator : CG/JU
 Sample : N1245-08 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-4(1.5-2)

Quant Time: Jan 26 01:59:36 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP011422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 26 01:52:51 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 01/26/2022
 Supervised By : Jagrut Upadhyay 01/26/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.834	152	226739	20.000	ng	0.00
21) Naphthalene-d8	10.634	136	852590	20.000	ng	0.00
39) Acenaphthene-d10	14.475	164	532092	20.000	ng	0.00
64) Phenanthrene-d10	17.234	188	1153437	20.000	ng	0.00
76) Chrysene-d12	21.328	240	1221228	20.000	ng	0.00
86) Perylene-d12	23.739	264	1320338	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	585699	39.946	ng	0.00
7) Phenol-d6	7.011	99	716312	40.344	ng	-0.01
23) Nitrobenzene-d5	8.993	82	446202	29.712	ng	0.00
42) 2,4,6-Tribromophenol	15.975	330	324374	41.881	ng	0.00
45) 2-Fluorobiphenyl	13.099	172	1102333	27.320	ng	0.00
79) Terphenyl-d14	19.792	244	1685803	23.301	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	14.540	154	137206	4.587	ng	100
55) Dibenzofuran	14.881	168	112695	2.312	ng	100
58) Fluorene	15.528	166	136650	3.550	ng	99
71) Phenanthrene	17.275	178	2490832	38.355	ng	99
72) Anthracene	17.363	178	552889	8.487	ng	100
73) Carbazole	17.639	167	246675	4.404	ng	99
75) Fluoranthene	19.251	202	4259269	58.977	ng	96
78) Pyrene	19.598	202	3489287	40.948	ng	99
81) Benzo(a)anthracene	21.310	228	2039333	24.822	ng	98
83) Chrysene	21.363	228	1738555	21.829	ng	97
87) Indeno(1,2,3-cd)pyrene	26.257	276	1254968	11.535	ng	# 94
88) Benzo(b)fluoranthene	23.010	252	2517624	28.552	ng	99
89) Benzo(k)fluoranthene	23.051	252	798843m	9.359	ng	
90) Benzo(a)pyrene	23.633	252	1755407	20.625	ng	98
91) Dibenzo(a,h)anthracene	26.257	278	328914m	3.555	ng	
92) Benzo(g,h,i)perylene	27.033	276	1141465	12.637	ng	98

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

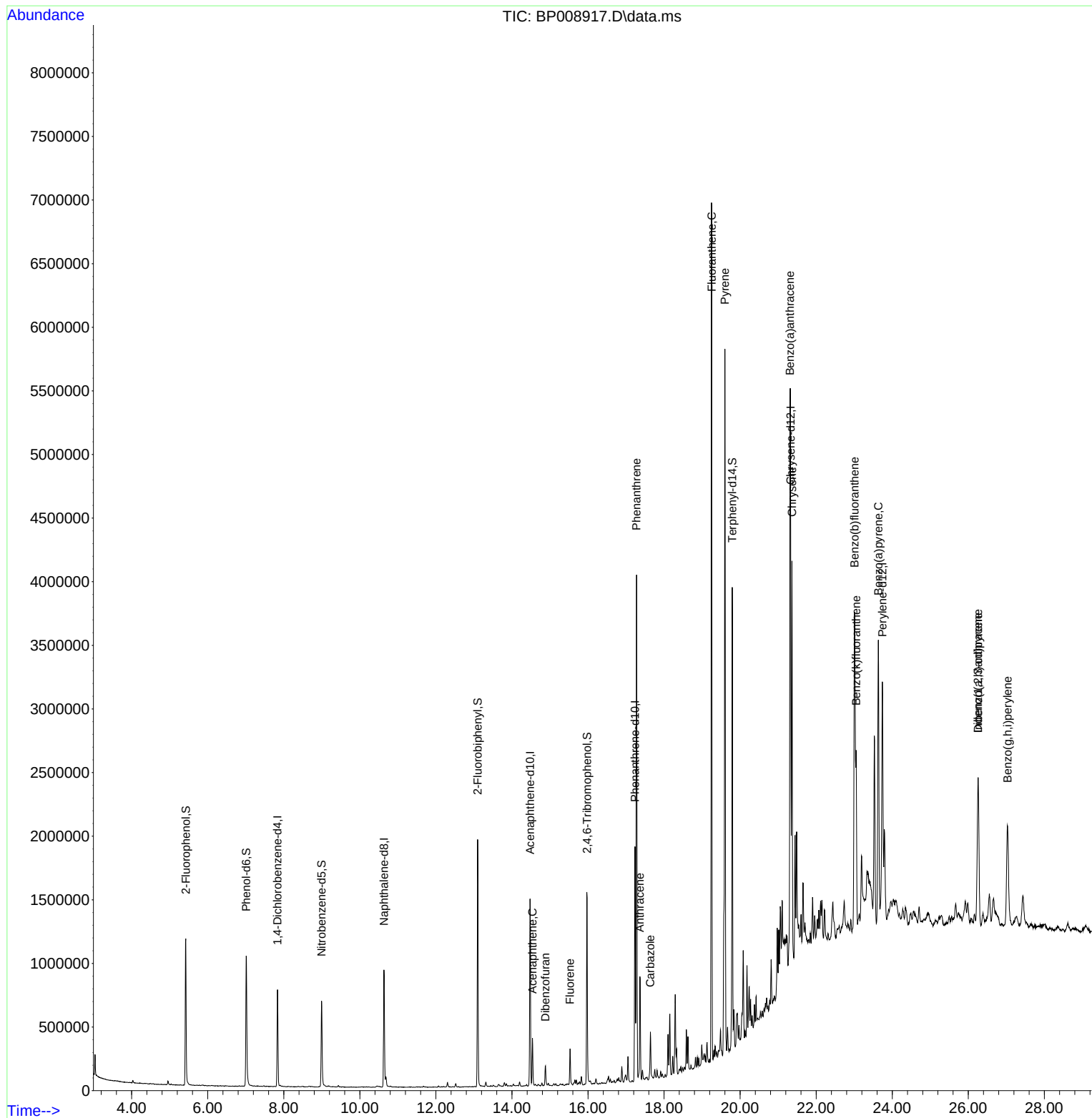
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012522\
Data File : BP008917.D
Acq On : 25 Jan 2022 20:29
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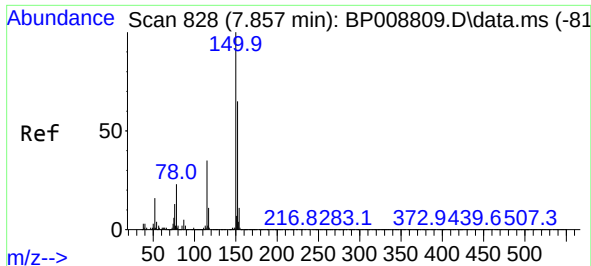
Instrument :
BNA_P
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SB-4(1.5-2)

Quant Time: Jan 26 01:59:36 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP011422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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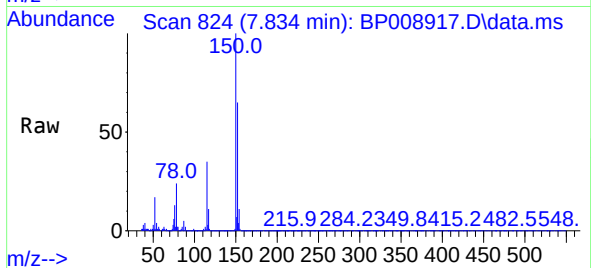
Reviewed By : Christian Giraldo 01/26/2022
Supervised By : Jagrut Upadhyay 01/26/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.834 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP008917.D
Acq: 25 Jan 2022 20:29

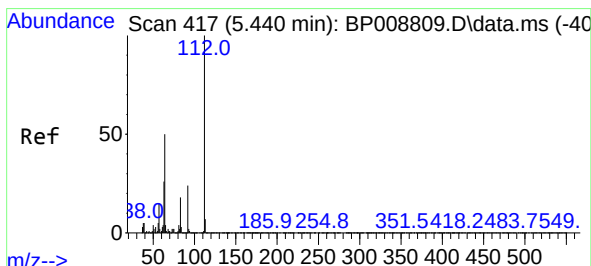
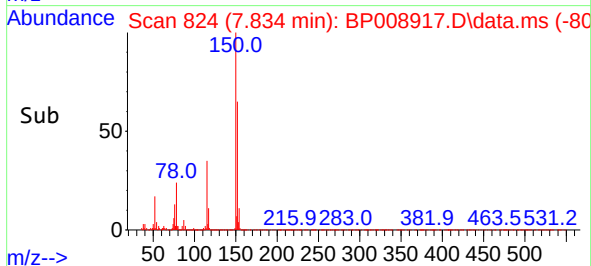
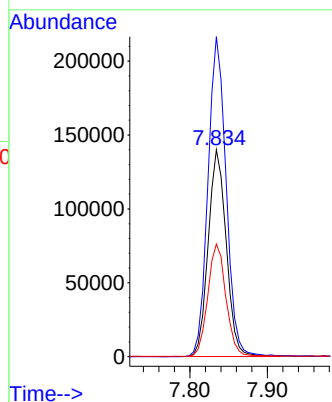
Instrument :
BNA_P
ClientSampleId :
SB-4(1.5-2)



Tgt Ion:152 Resp: 226739
Ion Ratio Lower Upper
152 100
150 154.7 127.0 190.6
115 54.5 43.7 65.5

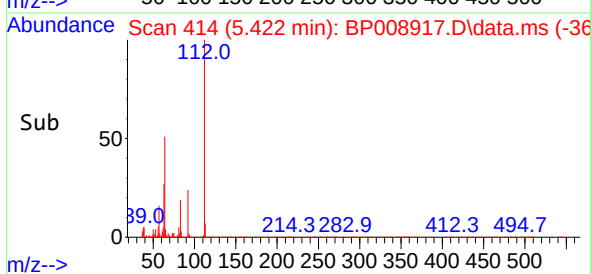
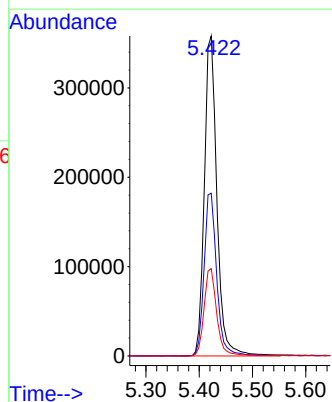
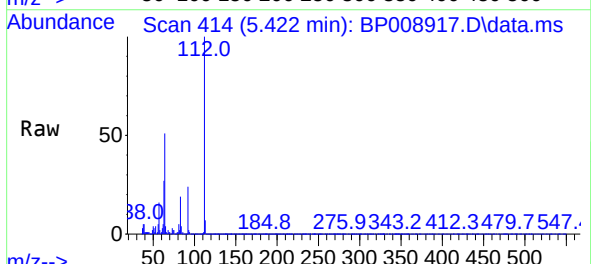
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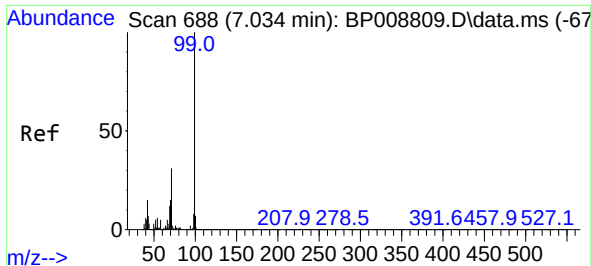
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#5
2-Fluorophenol
Concen: 39.946 ng
RT: 5.422 min Scan# 414
Delta R.T. -0.006 min
Lab File: BP008917.D
Acq: 25 Jan 2022 20:29

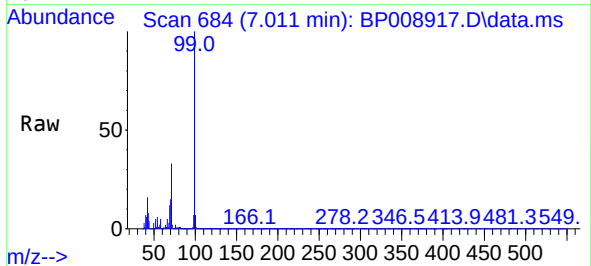
Tgt Ion:112 Resp: 585699
Ion Ratio Lower Upper
112 100
64 50.9 39.7 59.5
63 27.3 20.0 30.0





#7
Phenol-d6
Concen: 40.344 ng
RT: 7.011 min Scan# 61
Delta R.T. -0.012 min
Lab File: BP008917.D
Acq: 25 Jan 2022 20:29

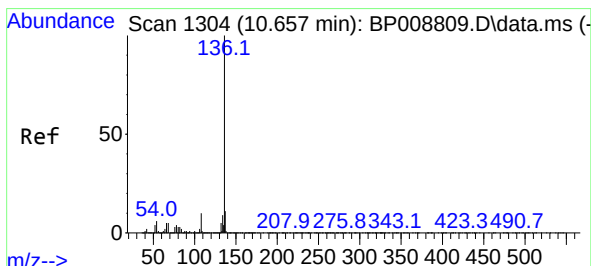
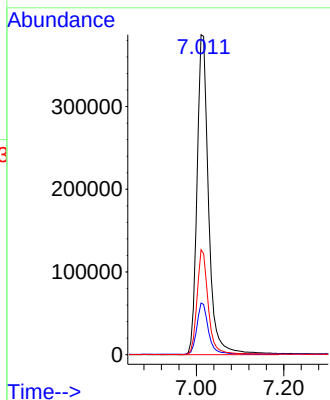
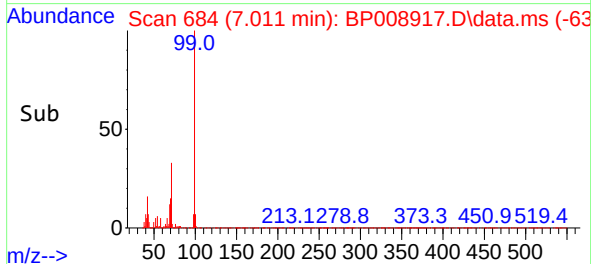
Instrument :
BNA_P
ClientSampleId :
SB-4(1.5-2)



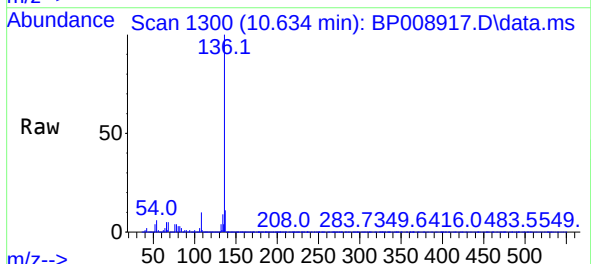
Tgt Ion: 99 Resp: 716312
Ion Ratio Lower Upper
99 100
42 16.2 10.8 16.2
71 32.8 23.8 35.6

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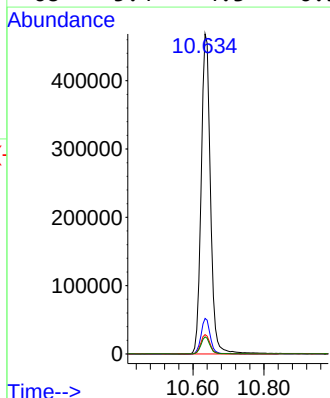
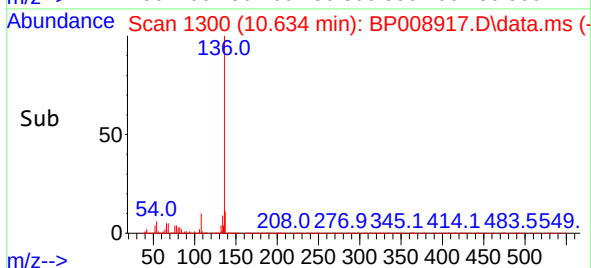
Reviewed By :Christian Giraldo 01/26/2022
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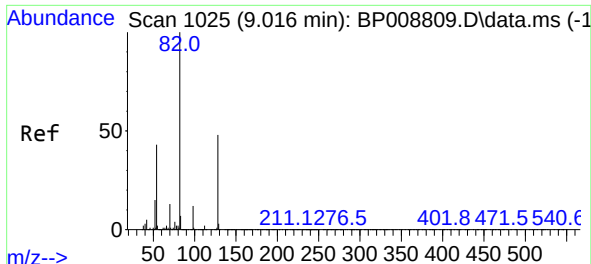


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.634 min Scan# 1300
Delta R.T. -0.006 min
Lab File: BP008917.D
Acq: 25 Jan 2022 20:29



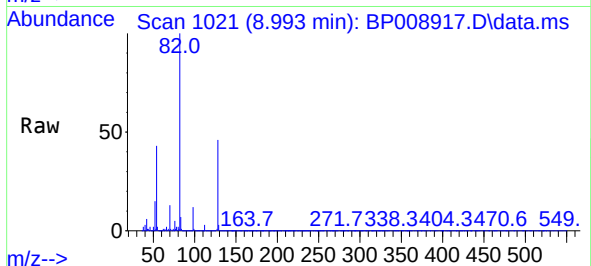
Tgt Ion:136 Resp: 852590
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 6.0 4.9 7.3
68 5.4 4.3 6.5





#23
Nitrobenzene-d5
Concen: 29.712 ng
RT: 8.993 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BP008917.D
Acq: 25 Jan 2022 20:29

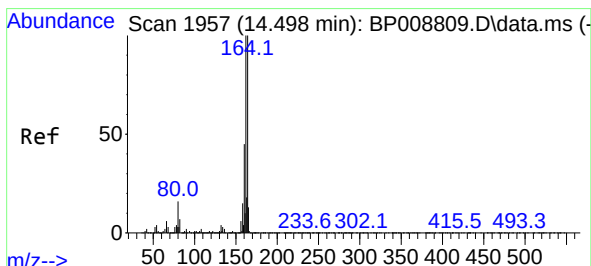
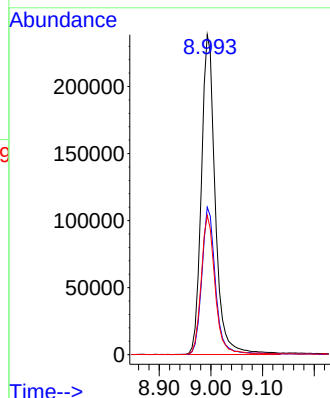
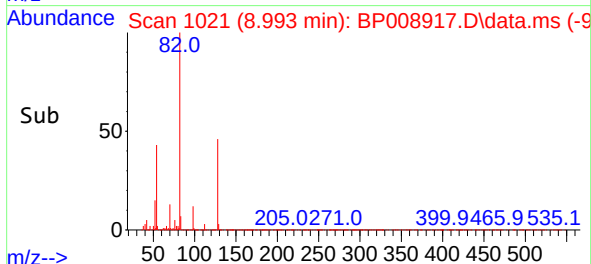
Instrument :
BNA_P
ClientSampleId :
SB-4(1.5-2)



Tgt Ion: 82 Resp: 44620
Ion Ratio Lower Upper
82 100
128 46.1 39.4 59.2
54 43.5 32.6 48.8

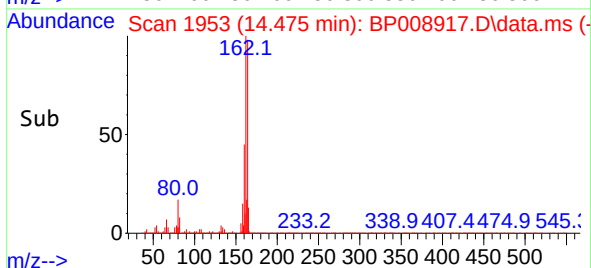
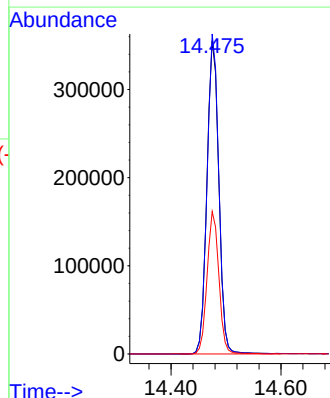
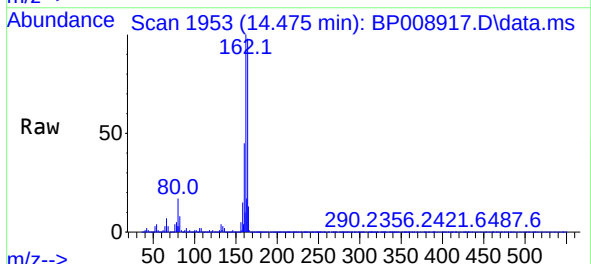
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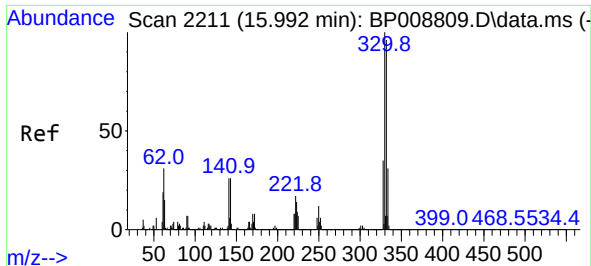
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.475 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BP008917.D
Acq: 25 Jan 2022 20:29

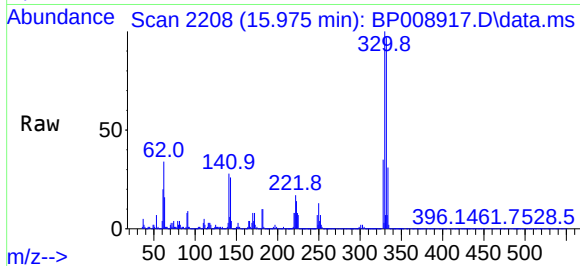
Tgt Ion:164 Resp: 532092
Ion Ratio Lower Upper
164 100
162 102.2 79.9 119.9
160 45.5 35.5 53.3





#42
2,4,6-Tribromophenol
Concen: 41.881 ng
RT: 15.975 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP008917.D
Acq: 25 Jan 2022 20:29

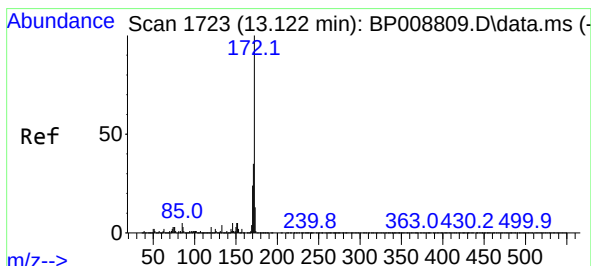
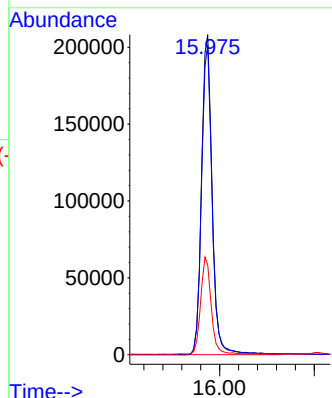
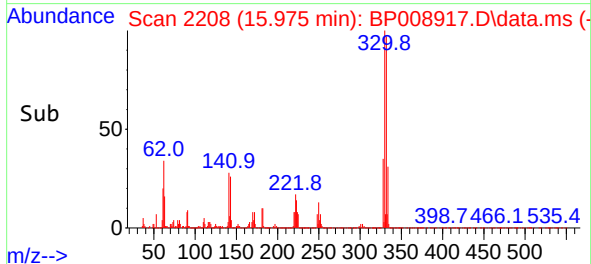
Instrument :
BNA_P
ClientSampleId :
SB-4(1.5-2)



Tgt Ion:330 Resp: 324374
Ion Ratio Lower Upper
330 100
332 95.5 77.0 115.4
141 30.0 21.3 31.9

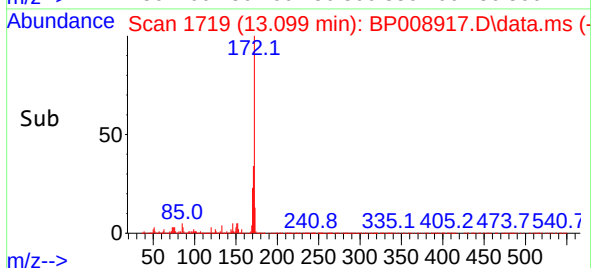
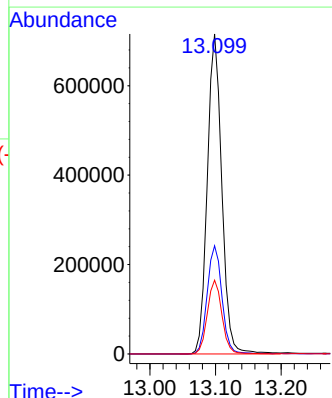
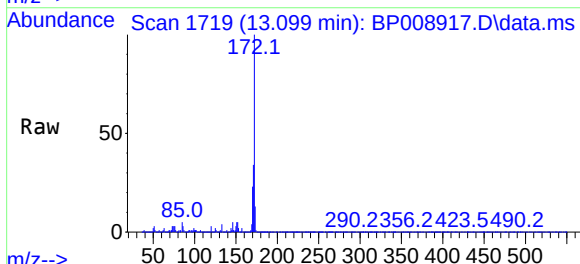
Manual Integrations
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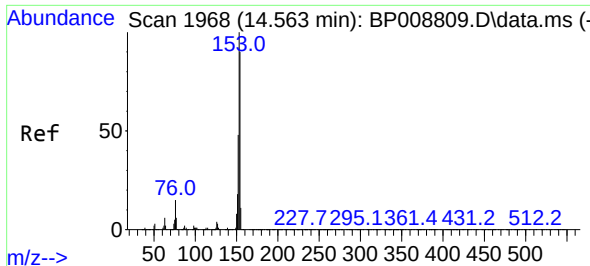
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#45
2-Fluorobiphenyl
Concen: 27.320 ng
RT: 13.099 min Scan# 1719
Delta R.T. -0.006 min
Lab File: BP008917.D
Acq: 25 Jan 2022 20:29

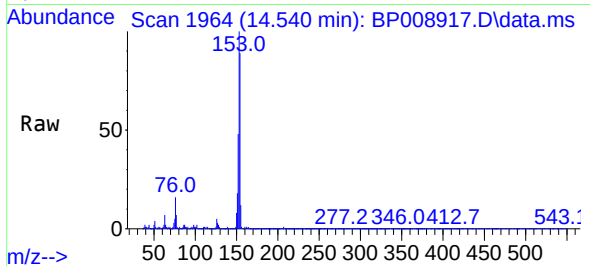
Tgt Ion:172 Resp: 1102333
Ion Ratio Lower Upper
172 100
171 33.8 29.3 43.9
170 23.0 19.5 29.3





#52
Acenaphthene
Concen: 4.587 ng
RT: 14.540 min Scan# 1968
Delta R.T. -0.006 min
Lab File: BP008917.D
Acq: 25 Jan 2022 20:29

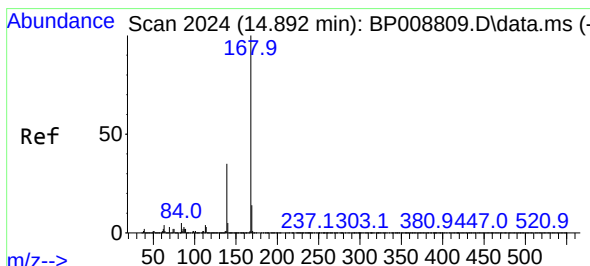
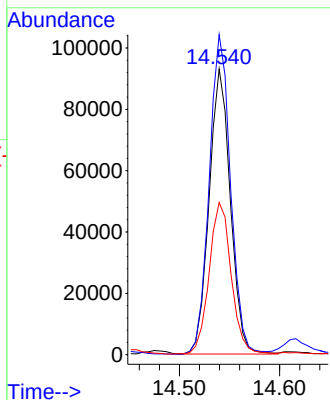
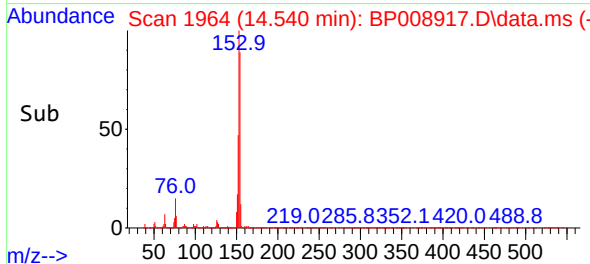
Instrument :
BNA_P
ClientSampleId :
SB-4(1.5-2)



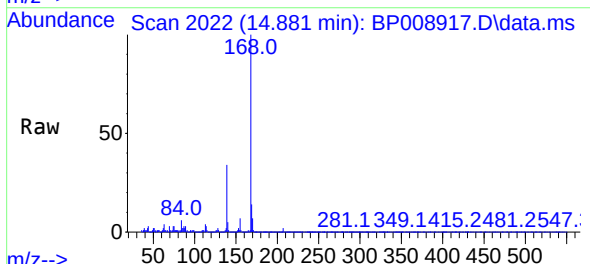
Tgt Ion:154 Resp: 137200
Ion Ratio Lower Upper
154 100
153 112.0 89.4 134.2
152 53.3 42.6 63.8

Manual Integrations
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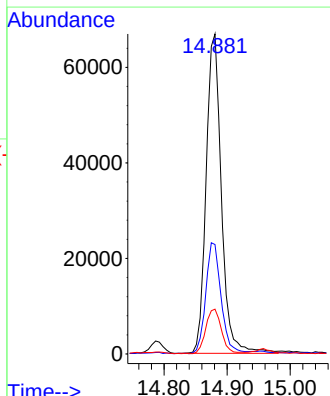
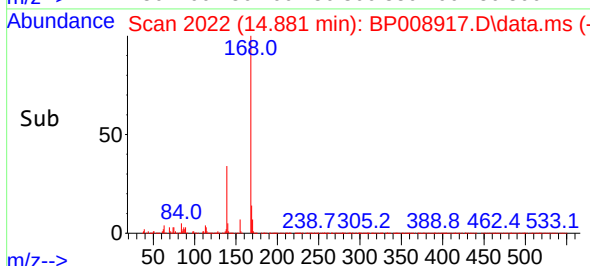
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022

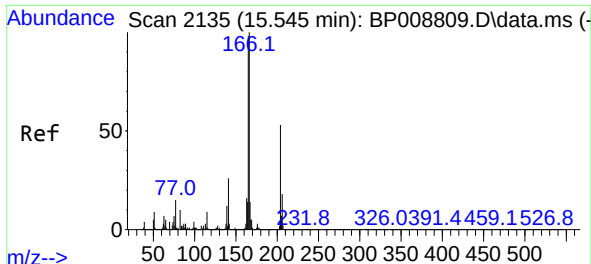


#55
Dibenzofuran
Concen: 2.312 ng
RT: 14.881 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BP008917.D
Acq: 25 Jan 2022 20:29



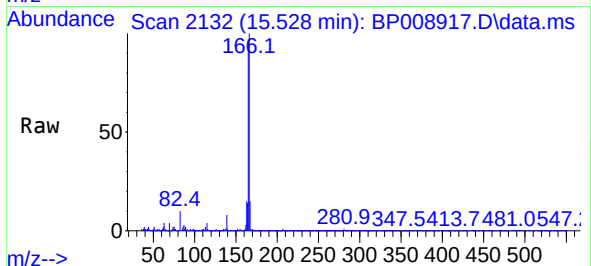
Tgt Ion:168 Resp: 112695
Ion Ratio Lower Upper
168 100
139 34.2 27.4 41.0
169 14.0 10.9 16.3





#58
Fluorene
Concen: 3.550 ng
RT: 15.528 min Scan# 2135
Delta R.T. -0.006 min
Lab File: BP008917.D
Acq: 25 Jan 2022 20:29

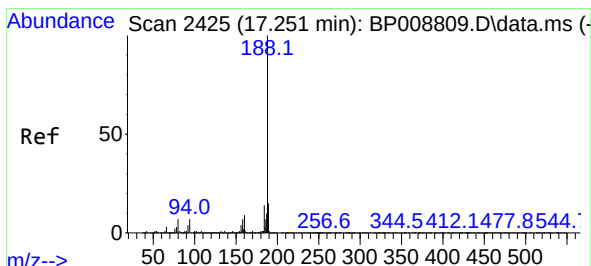
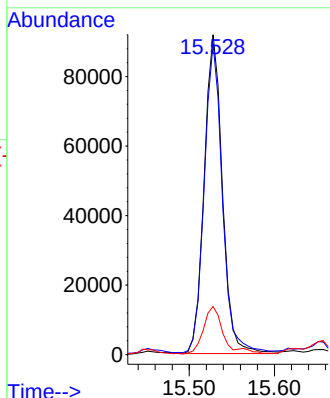
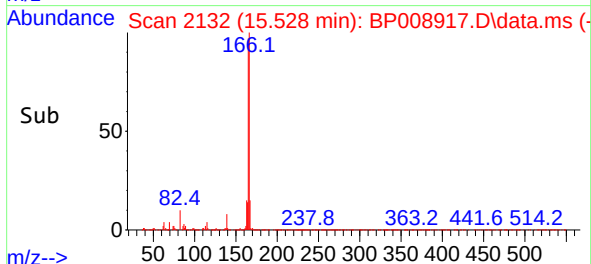
Instrument :
BNA_P
ClientSampleId :
SB-4(1.5-2)



Tgt Ion:166 Resp: 136650
Ion Ratio Lower Upper
166 100
165 97.2 77.2 115.8
167 15.0 11.2 16.8

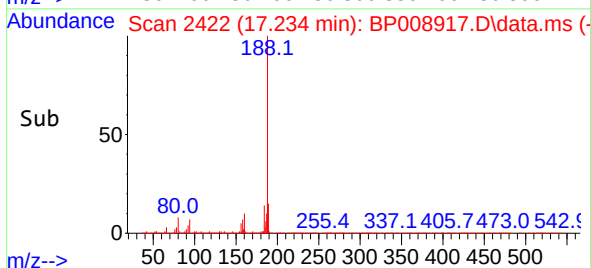
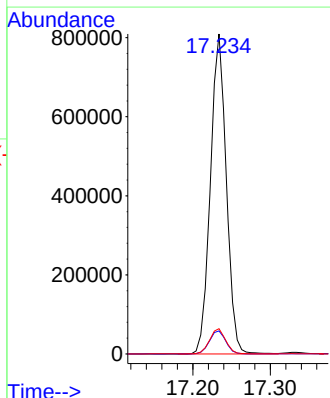
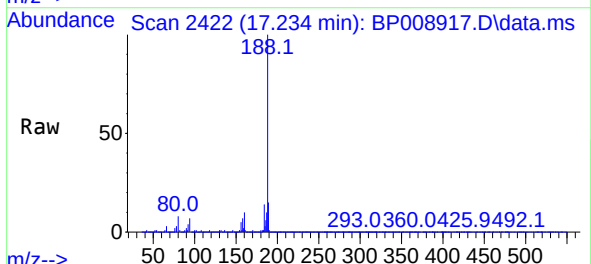
Manual Integrations
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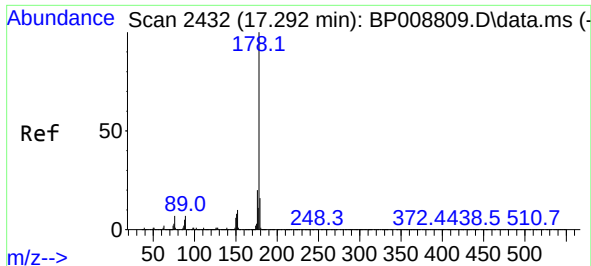
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.234 min Scan# 2422
Delta R.T. -0.006 min
Lab File: BP008917.D
Acq: 25 Jan 2022 20:29

Tgt Ion:188 Resp: 1153437
Ion Ratio Lower Upper
188 100
94 7.2 6.8 10.2
80 7.9 7.2 10.8





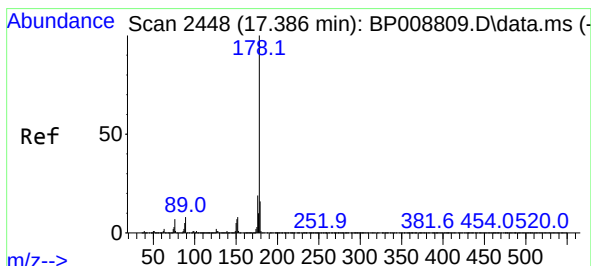
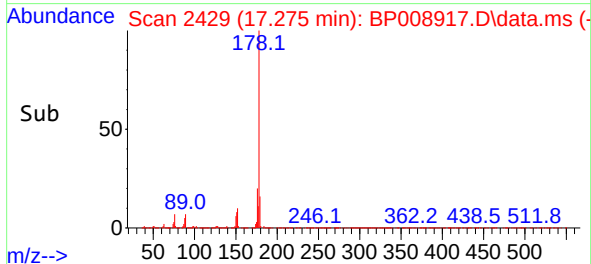
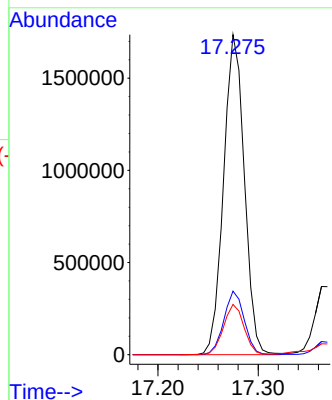
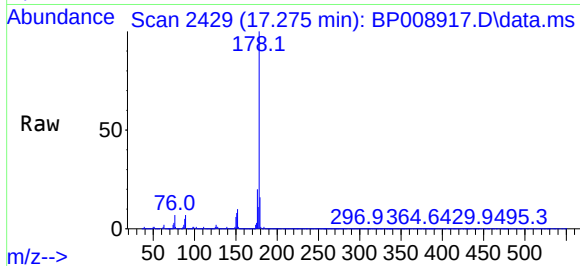
#71
Phenanthrene
Concen: 38.355 ng
RT: 17.275 min Scan# 2432
Delta R.T. -0.006 min
Lab File: BP008917.D
Acq: 25 Jan 2022 20:29

Instrument :
BNA_P
ClientSampleId :
SB-4(1.5-2)

Tgt Ion:178 Resp: 249083
Ion Ratio Lower Upper
178 100
176 19.9 16.0 24.0
179 15.7 13.0 19.4

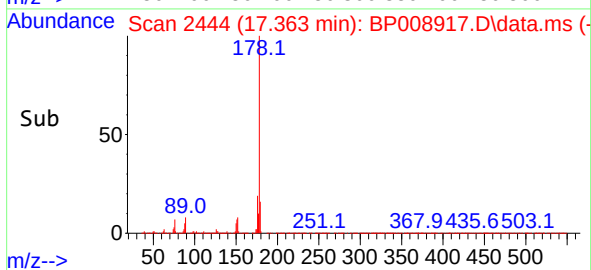
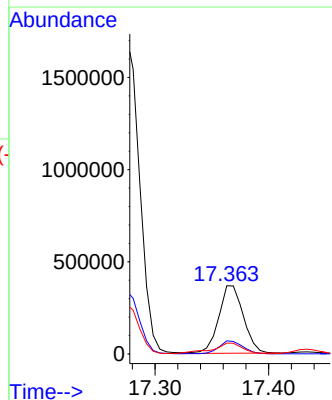
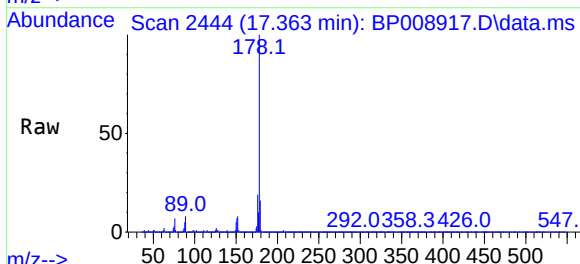
Manual Integrations
APPROVED

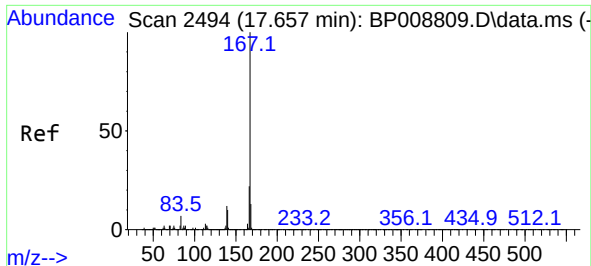
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#72
Anthracene
Concen: 8.487 ng
RT: 17.363 min Scan# 2444
Delta R.T. -0.012 min
Lab File: BP008917.D
Acq: 25 Jan 2022 20:29

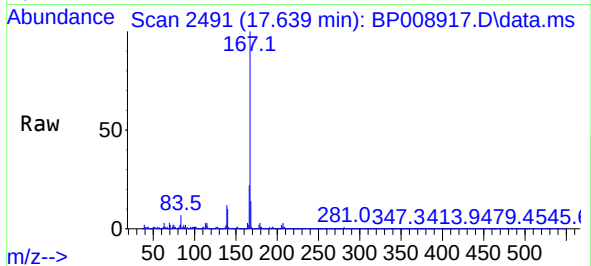
Tgt Ion:178 Resp: 552889
Ion Ratio Lower Upper
178 100
176 19.2 15.1 22.7
179 16.1 12.8 19.2





#73
 Carbazole
 Concen: 4.404 ng
 RT: 17.639 min Scan# 2494
 Delta R.T. -0.006 min
 Lab File: BP008917.D
 Acq: 25 Jan 2022 20:29

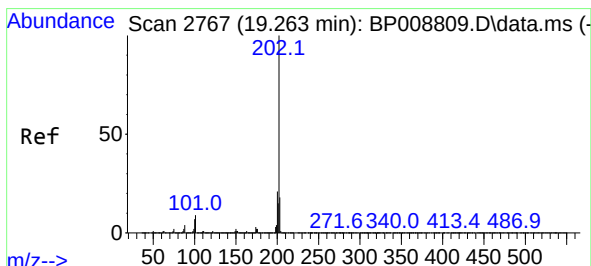
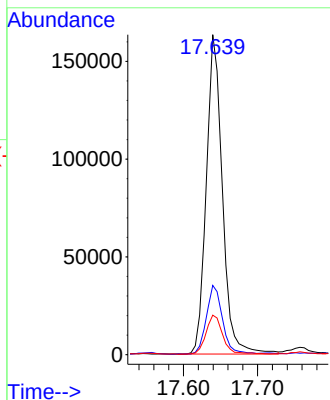
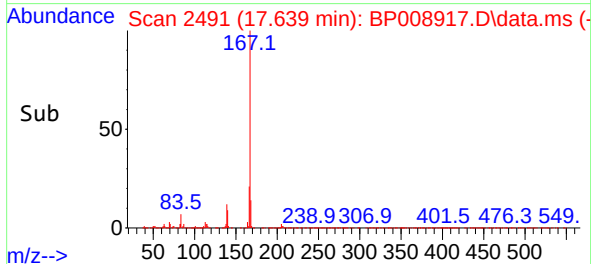
Instrument :
 BNA_P
 ClientSampleId :
 SB-4(1.5-2)



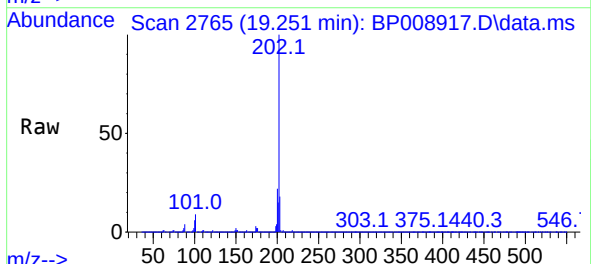
Tgt Ion:167 Resp: 246679
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.7 26.5
 139 12.3 9.8 14.6

Manual Integrations
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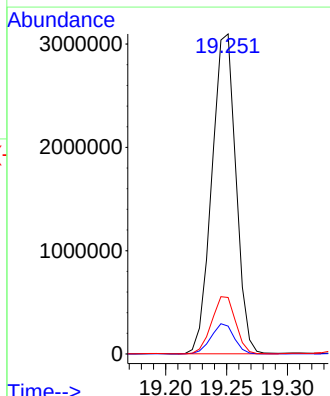
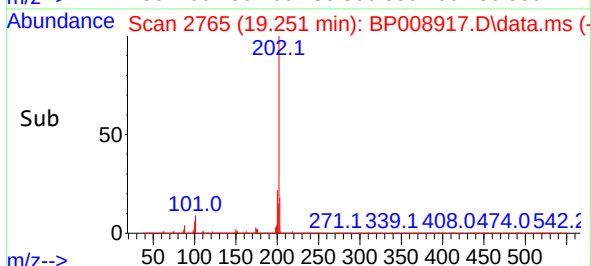
Reviewed By :Christian Giraldo 01/26/2022
 Supervised By :Jagrut Upadhyay 01/26/2022

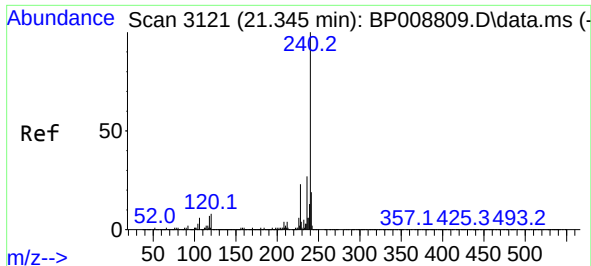


#75
 Fluoranthene
 Concen: 58.977 ng
 RT: 19.251 min Scan# 2765
 Delta R.T. 0.000 min
 Lab File: BP008917.D
 Acq: 25 Jan 2022 20:29



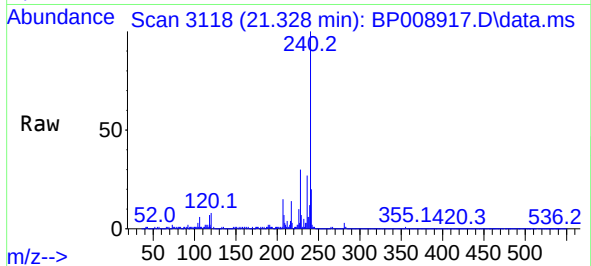
Tgt Ion:202 Resp: 4259269
 Ion Ratio Lower Upper
 202 100
 101 8.7 0.0 30.7
 203 17.7 0.0 38.9





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.328 min Scan# 3118
Delta R.T. -0.006 min
Lab File: BP008917.D
Acq: 25 Jan 2022 20:29

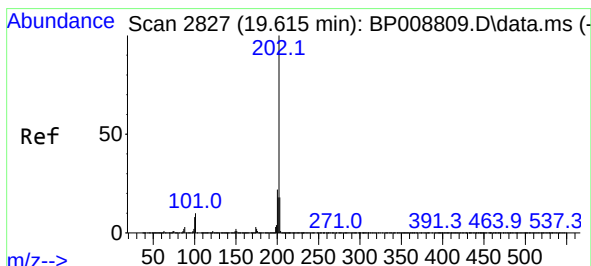
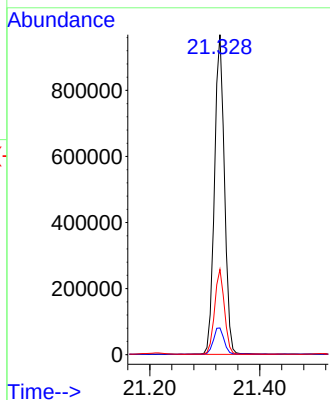
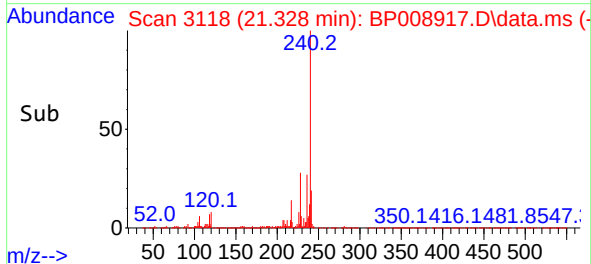
Instrument :
BNA_P
ClientSampleId :
SB-4(1.5-2)



Tgt Ion:240 Resp: 1221228
Ion Ratio Lower Upper
240 100
120 8.4 7.7 11.5
236 26.7 21.2 31.8

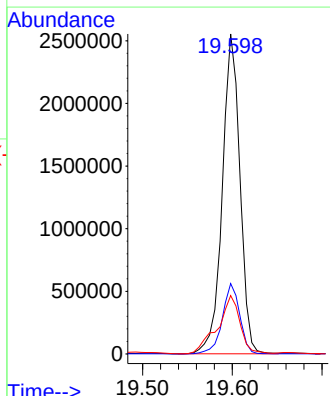
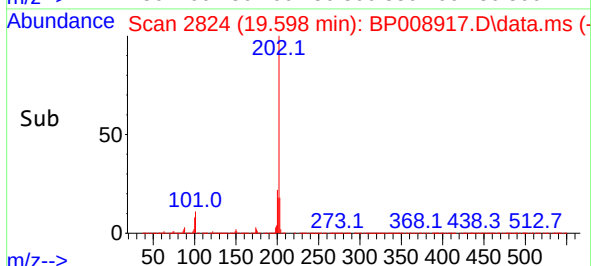
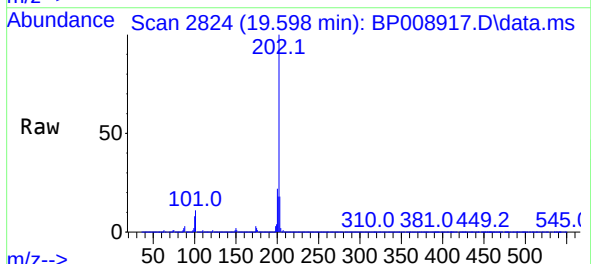
Manual Integrations
APPROVED

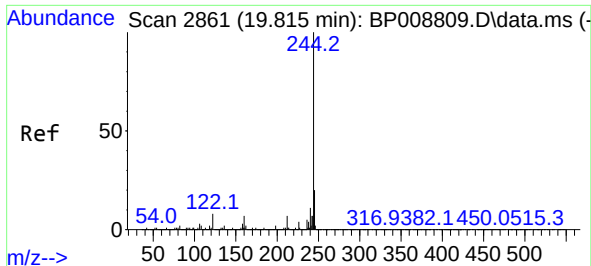
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#78
Pyrene
Concen: 40.948 ng
RT: 19.598 min Scan# 2824
Delta R.T. -0.006 min
Lab File: BP008917.D
Acq: 25 Jan 2022 20:29

Tgt Ion:202 Resp: 3489287
Ion Ratio Lower Upper
202 100
200 22.0 18.0 27.0
203 18.3 15.0 22.6





#79
 Terphenyl-d14
 Concen: 23.301 ng
 RT: 19.792 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BP008917.D
 Acq: 25 Jan 2022 20:29

Instrument :

BNA_P

ClientSampleId :

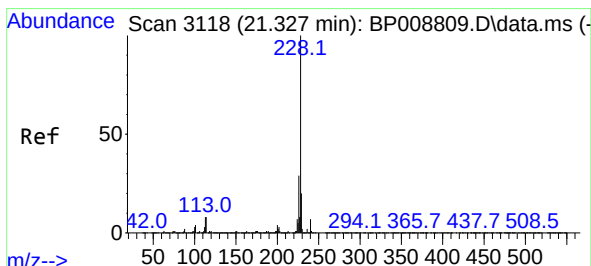
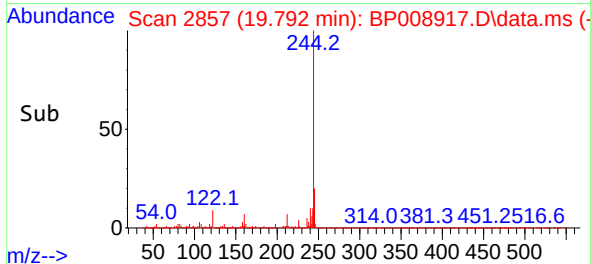
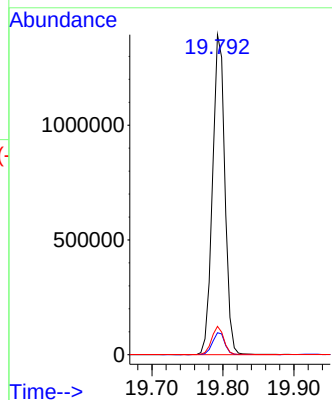
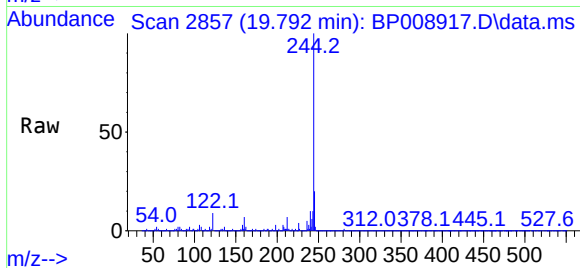
SB-4(1.5-2)

Tgt Ion:244 Resp: 168580
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.5 9.7
 122 8.8 9.2 13.8

Manual Integrations

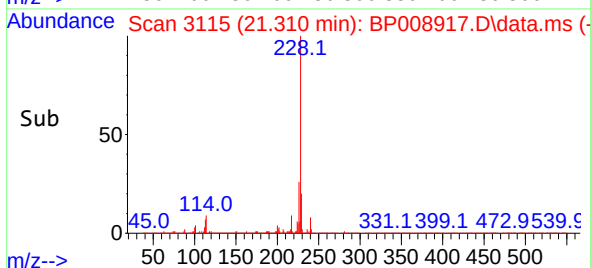
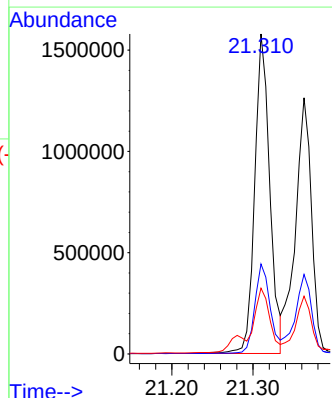
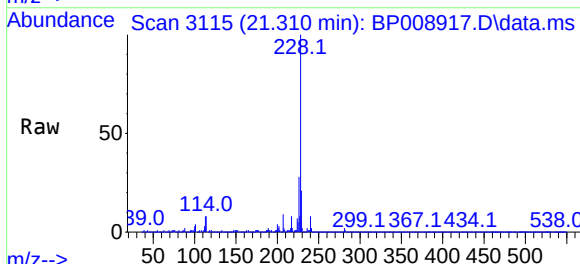
APPROVED

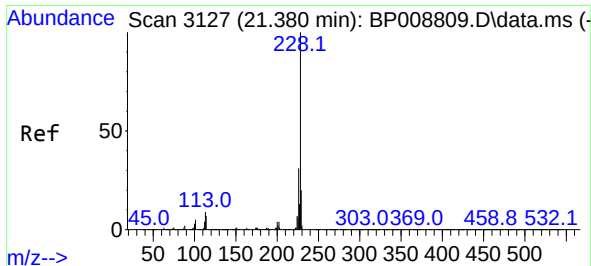
Reviewed By :Christian Giraldo 01/26/2022
 Supervised By :Jagrut Upadhyay 01/26/2022



#81
 Benzo(a)anthracene
 Concen: 24.822 ng
 RT: 21.310 min Scan# 3115
 Delta R.T. -0.012 min
 Lab File: BP008917.D
 Acq: 25 Jan 2022 20:29

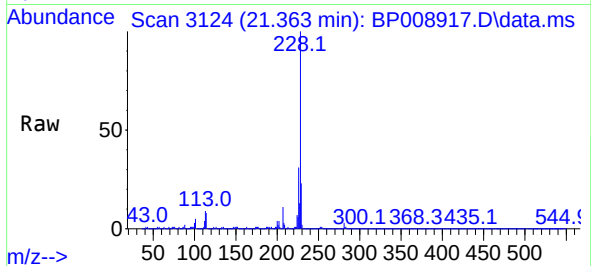
Tgt Ion:228 Resp: 2039333
 Ion Ratio Lower Upper
 228 100
 226 28.1 23.3 34.9
 229 20.5 17.0 25.6





#83
Chrysene
Concen: 21.829 ng
RT: 21.363 min Scan# 3127
Delta R.T. -0.006 min
Lab File: BP008917.D
Acq: 25 Jan 2022 20:29

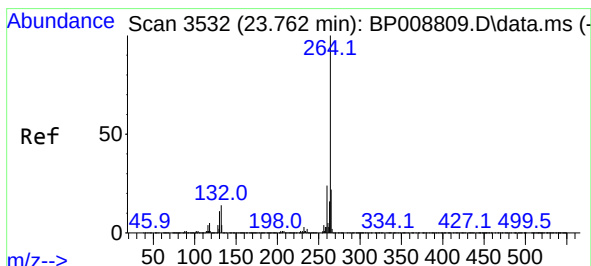
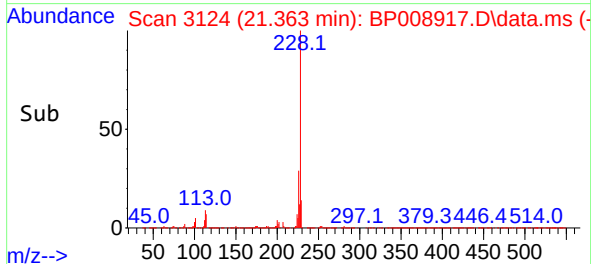
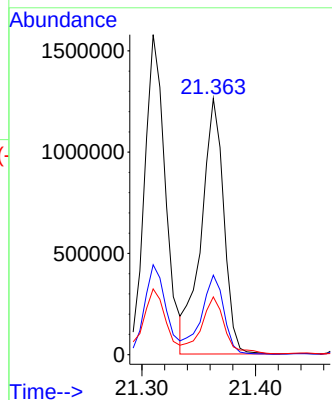
Instrument :
BNA_P
ClientSampleId :
SB-4(1.5-2)



Tgt Ion:228 Resp: 173855
Ion Ratio Lower Upper
228 100
226 31.1 26.0 39.0
229 22.6 16.9 25.3

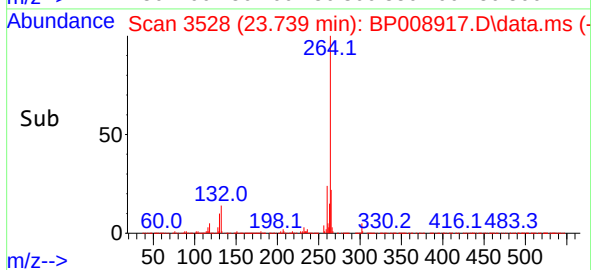
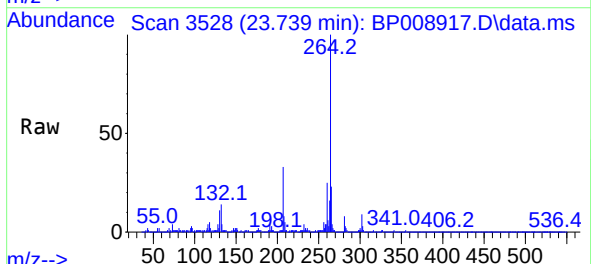
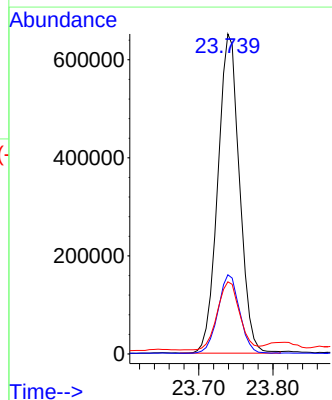
Manual Integrations
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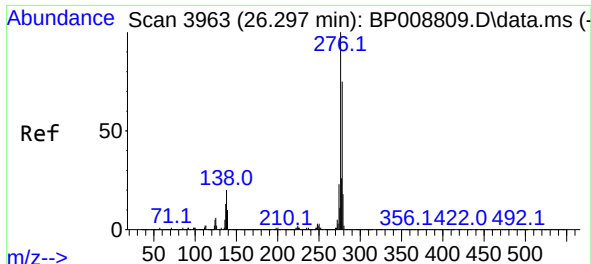
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.739 min Scan# 3528
Delta R.T. -0.012 min
Lab File: BP008917.D
Acq: 25 Jan 2022 20:29

Tgt Ion:264 Resp: 1320338
Ion Ratio Lower Upper
264 100
260 24.8 19.1 28.7
265 22.6 17.1 25.7





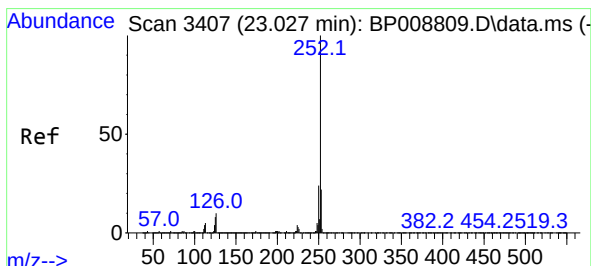
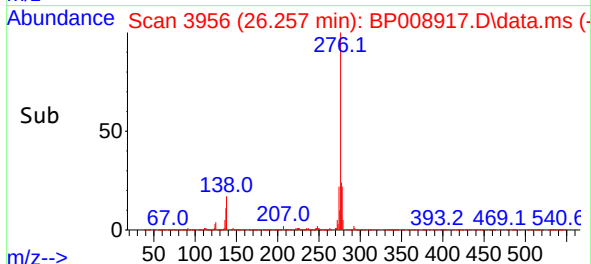
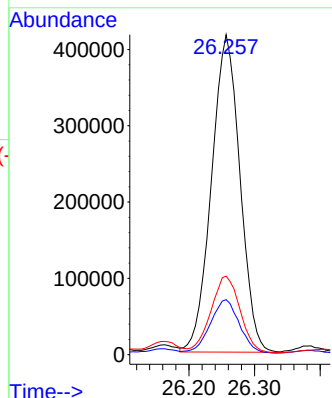
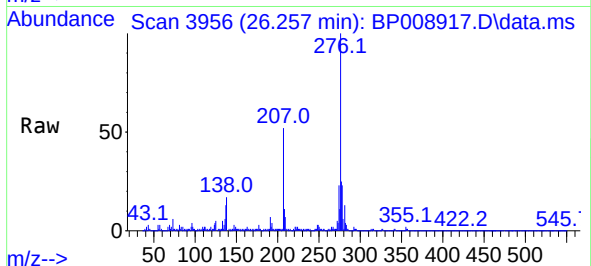
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 11.535 ng
 RT: 26.257 min Scan# 3963
 Delta R.T. -0.023 min
 Lab File: BP008917.D
 Acq: 25 Jan 2022 20:29

Instrument :
 BNA_P
 ClientSampleId :
 SB-4(1.5-2)

Tgt Ion:276 Resp: 125496
 Ion Ratio Lower Upper
 276 100
 138 17.1 17.8 26.6
 277 24.8 20.4 30.6

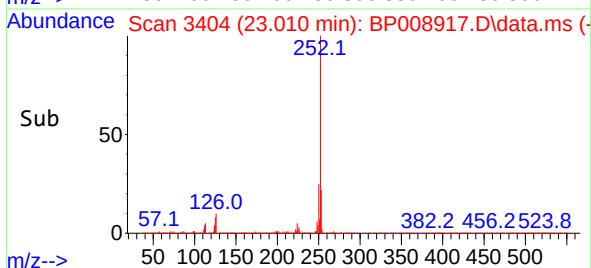
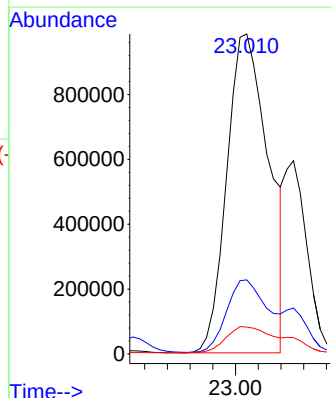
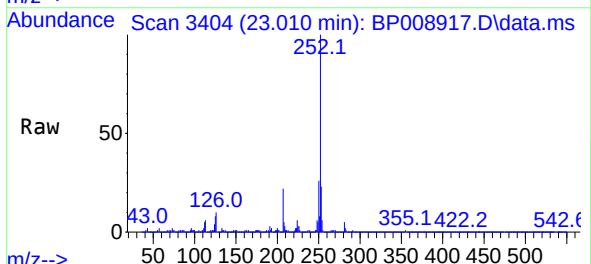
Manual Integrations
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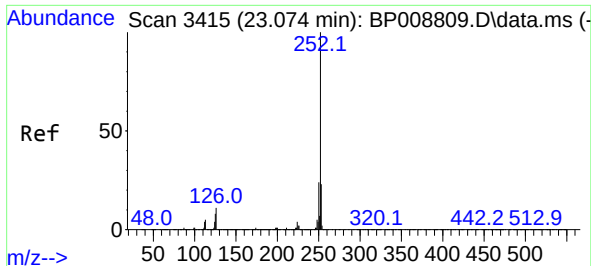
Reviewed By :Christian Giraldo 01/26/2022
 Supervised By :Jagrut Upadhyay 01/26/2022



#88
 Benzo(b)fluoranthene
 Concen: 28.552 ng
 RT: 23.010 min Scan# 3404
 Delta R.T. -0.006 min
 Lab File: BP008917.D
 Acq: 25 Jan 2022 20:29

Tgt Ion:252 Resp: 2517624
 Ion Ratio Lower Upper
 252 100
 253 23.1 18.0 27.0
 125 8.4 6.9 10.3





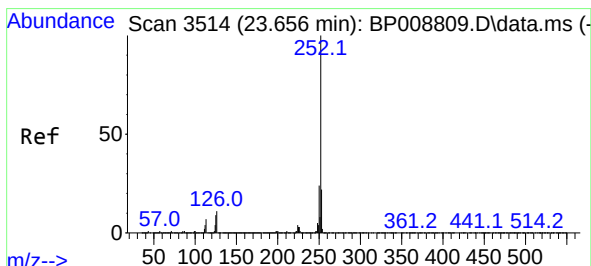
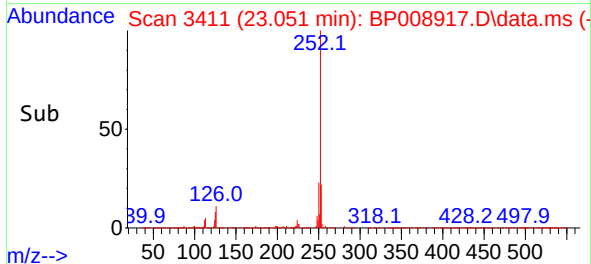
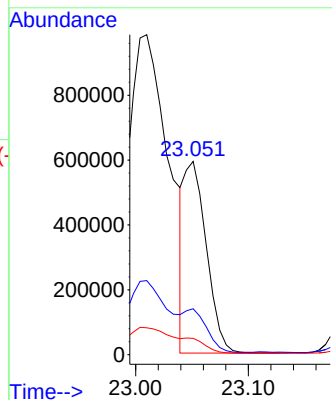
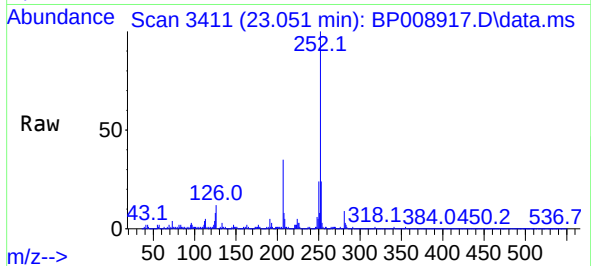
#89
Benzo(k)fluoranthene
Concen: 9.359 ng m
RT: 23.051 min Scan# 3415
Delta R.T. -0.012 min
Lab File: BP008917.D
Acq: 25 Jan 2022 20:29

Instrument :
BNA_P
ClientSampleId :
SB-4(1.5-2)

Tgt Ion:252 Resp: 79884
Ion Ratio Lower Upper
252 100
253 23.8 18.2 27.2
125 8.5 7.3 10.9

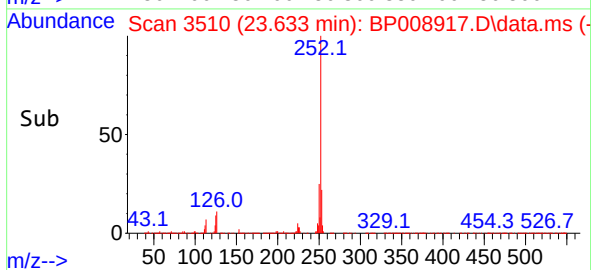
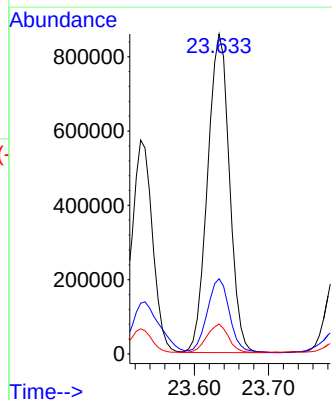
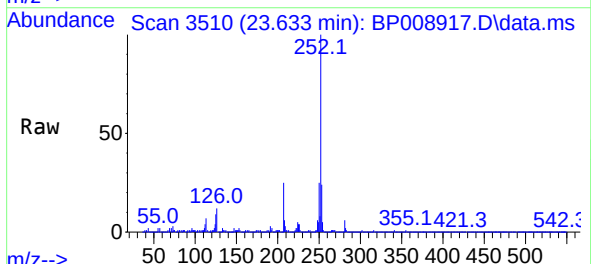
Manual Integrations
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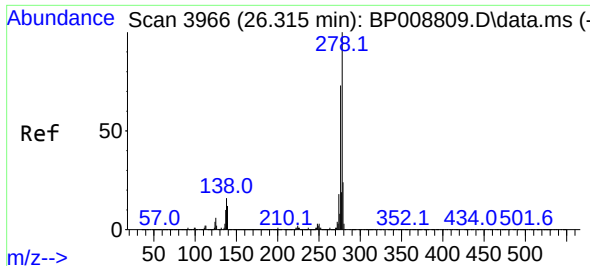
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#90
Benzo(a)pyrene
Concen: 20.625 ng
RT: 23.633 min Scan# 3510
Delta R.T. -0.012 min
Lab File: BP008917.D
Acq: 25 Jan 2022 20:29

Tgt Ion:252 Resp: 1755407
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 9.4 7.8 11.6





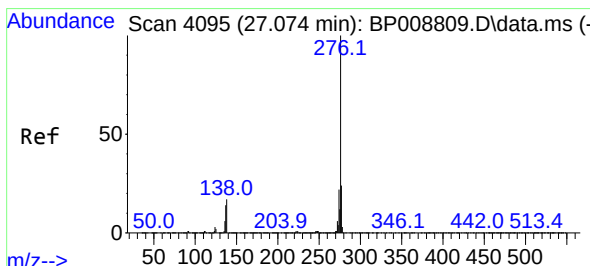
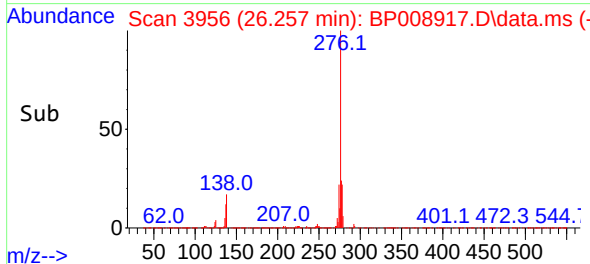
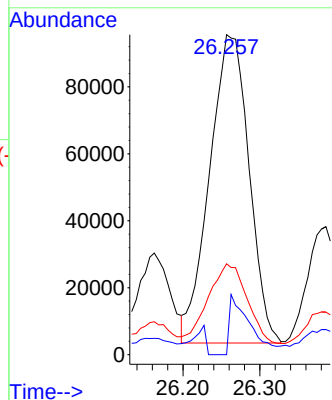
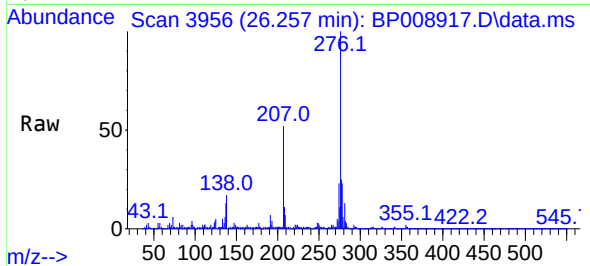
#91
Dibenzo(a,h)anthracene
Concen: 3.555 ng m
RT: 26.257 min Scan# 3966
Delta R.T. -0.041 min
Lab File: BP008917.D
Acq: 25 Jan 2022 20:29

Instrument :
BNA_P
ClientSampleId :
SB-4(1.5-2)

Tgt Ion:278 Resp: 328914
Ion Ratio Lower Upper
278 100
139 0.0 11.5 17.3
279 28.4 19.1 28.7

Manual Integrations
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Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#92
Benzo(g,h,i)perylene
Concen: 12.637 ng
RT: 27.033 min Scan# 4088
Delta R.T. -0.017 min
Lab File: BP008917.D
Acq: 25 Jan 2022 20:29

Tgt Ion:276 Resp: 1141465
Ion Ratio Lower Upper
276 100
277 24.9 19.2 28.8
138 17.3 15.0 22.4

