

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
 Data File : BP008416.D
 Acq On : 15 Dec 2021 14:41
 Operator : CG/JU
 Sample : M5076-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-18-C

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/16/2021
 Supervised By : Jagrut Upadhyay 12/16/2021

Quant Time: Dec 15 15:12:57 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	7.746	152	61725	20.000	ng	0.00
21) Naphthalene-d8	10.540	136	220853	20.000	ng	0.00
39) Acenaphthene-d10	14.398	164	145969	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	317210	20.000	ng	0.00
76) Chrysene-d12	21.263	240	382125	20.000	ng	0.00
86) Perylene-d12	23.633	264	437735	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	186484	47.712	ng	0.00
7) Phenol-d6	6.940	99	234660	44.702	ng	0.00
23) Nitrobenzene-d5	8.910	82	159230	30.544	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	95228	44.393	ng	0.00
45) 2-Fluorobiphenyl	13.016	172	325685	28.363	ng	0.00
79) Terphenyl-d14	19.733	244	591456	26.938	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.204	178	367147	21.367	ng	98
72) Anthracene	17.298	178	58368	3.443	ng	97
75) Fluoranthene	19.180	202	261744	13.492	ng	99
78) Pyrene	19.533	202	461413	16.877	ng	99
81) Benzo(a)anthracene	21.251	228	202725	7.916	ng	99
83) Chrysene	21.304	228	182574	7.464	ng	99
88) Benzo(b)fluoranthene	22.921	252	146193m	5.552	ng	
90) Benzo(a)pyrene	23.527	252	125881	5.508	ng	97
92) Benzo(g,h,i)perylene	26.868	276	68765	2.407	ng	96

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

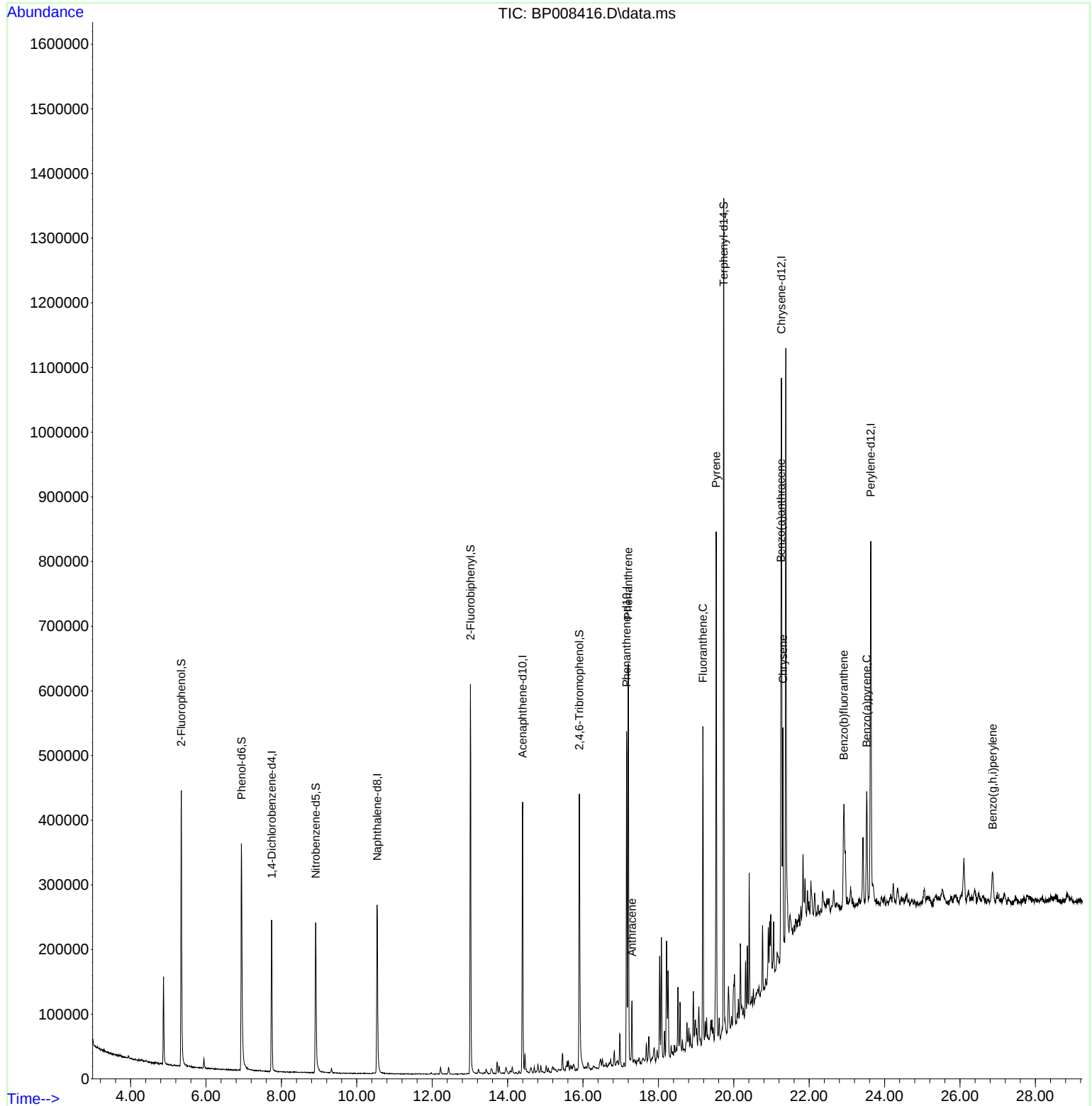
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Data File : BP008416.D
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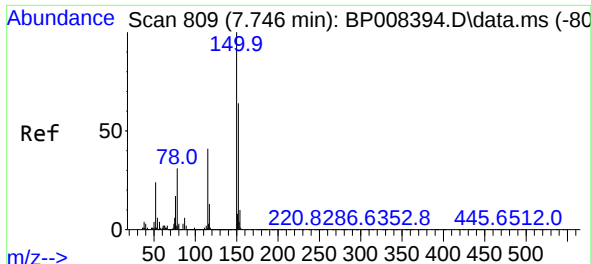
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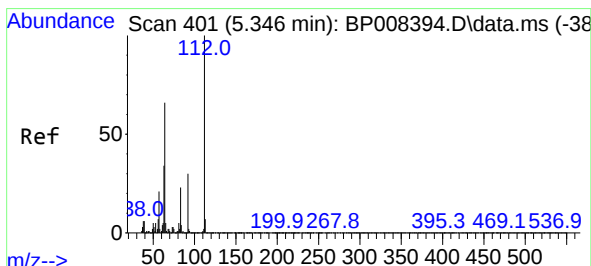
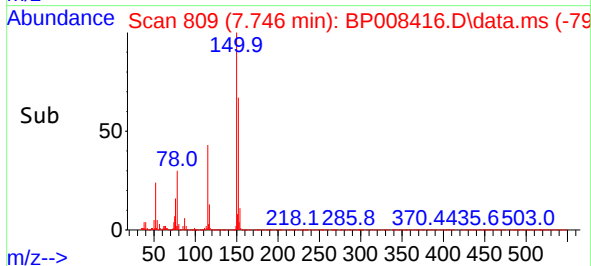
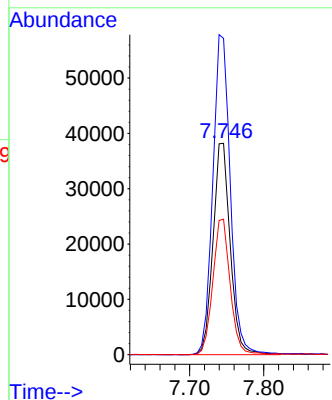
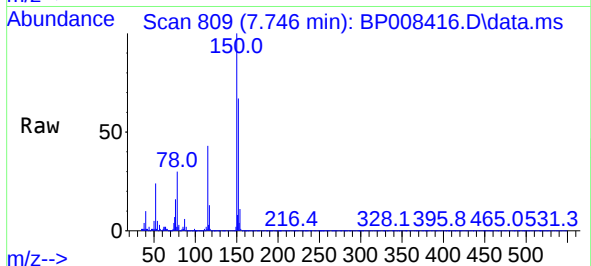
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.746 min Scan# 809
Delta R.T. -0.000 min
Lab File: BP008416.D
Acq: 15 Dec 2021 14:41

Instrument :
BNA_P
ClientSampleId :
SB-18-C

Tgt Ion:152 Resp: 61725
Ion Ratio Lower Upper
152 100
150 149.6 125.7 188.5
115 64.1 50.7 76.1

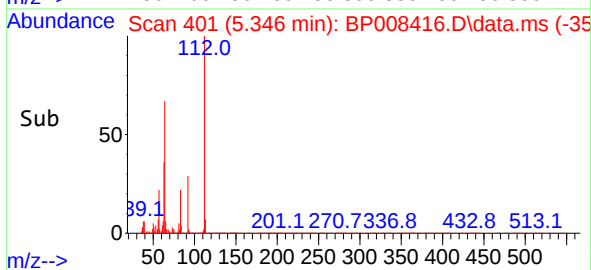
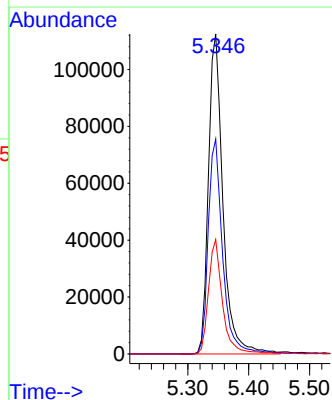
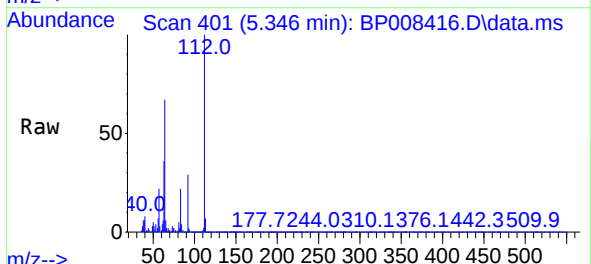
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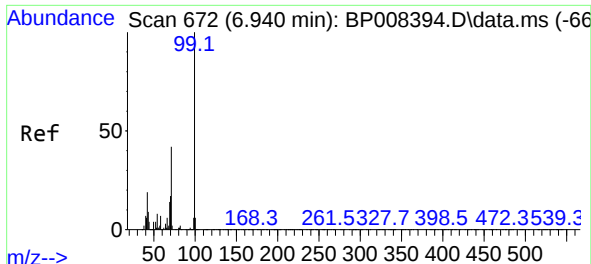
Reviewed By :Christian Giraldo 12/16/2021
Supervised By :Jagrut Upadhyay 12/16/2021



#5
2-Fluorophenol
Concen: 47.712 ng
RT: 5.346 min Scan# 401
Delta R.T. -0.000 min
Lab File: BP008416.D
Acq: 15 Dec 2021 14:41

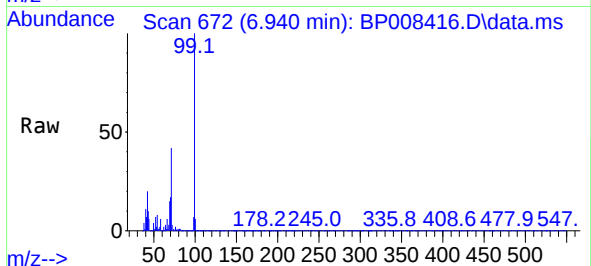
Tgt Ion:112 Resp: 186484
Ion Ratio Lower Upper
112 100
64 67.1 53.4 80.2
63 35.8 27.8 41.8





#7
Phenol-d6
Concen: 44.702 ng
RT: 6.940 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP008416.D
Acq: 15 Dec 2021 14:41

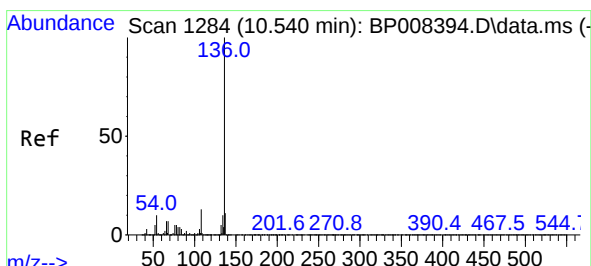
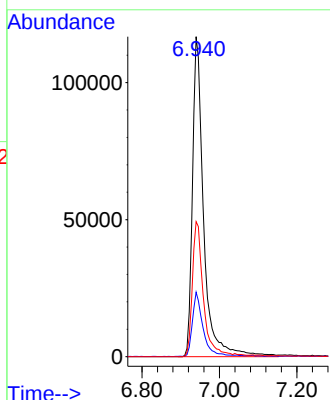
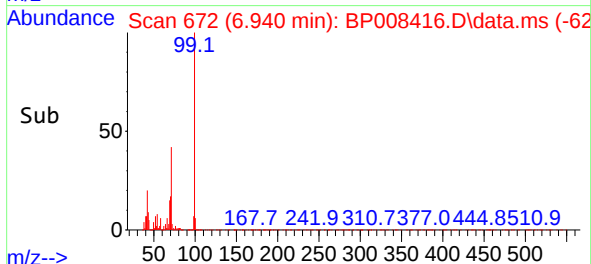
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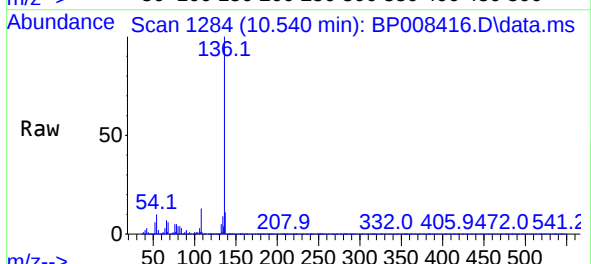
Tgt Ion: 99 Resp: 234660
Ion Ratio Lower Upper
99 100
42 20.2 14.6 22.0
71 42.2 31.1 46.7

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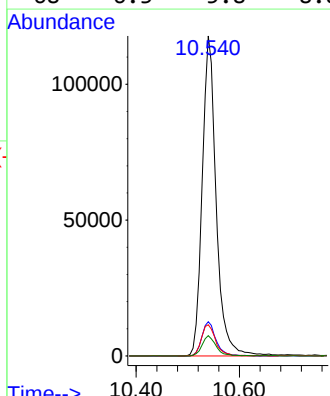
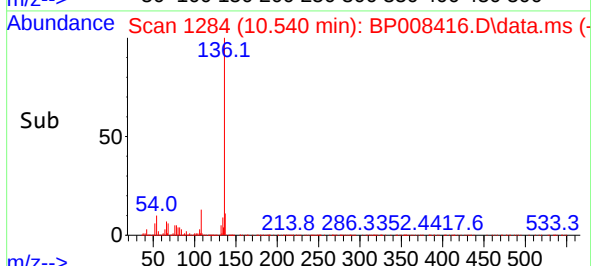
Reviewed By :Christian Giraldo 12/16/2021
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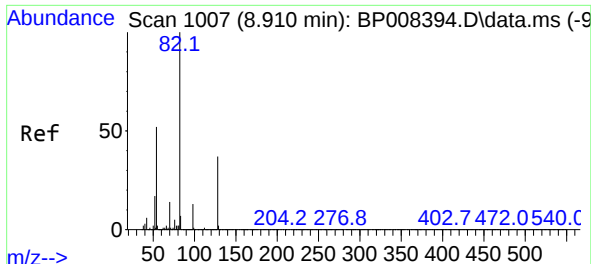


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.540 min Scan# 1284
Delta R.T. -0.000 min
Lab File: BP008416.D
Acq: 15 Dec 2021 14:41



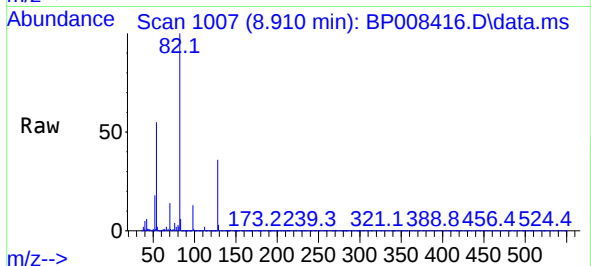
Tgt Ion:136 Resp: 220853
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.6
54 9.7 8.2 12.4
68 6.3 5.8 8.8





#23
Nitrobenzene-d5
Concen: 30.544 ng
RT: 8.910 min Scan# 1007
Delta R.T. -0.000 min
Lab File: BP008416.D
Acq: 15 Dec 2021 14:41

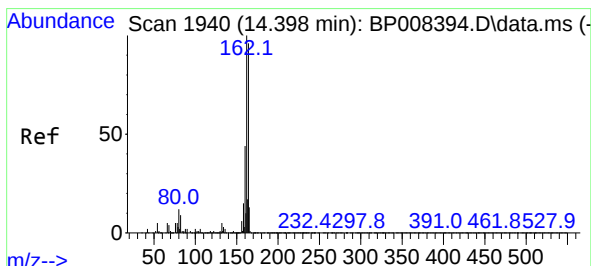
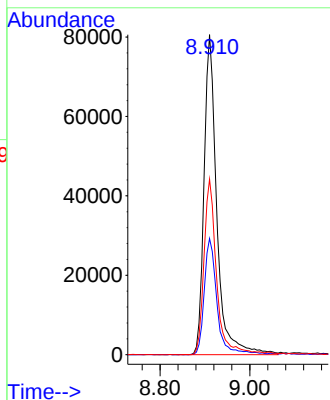
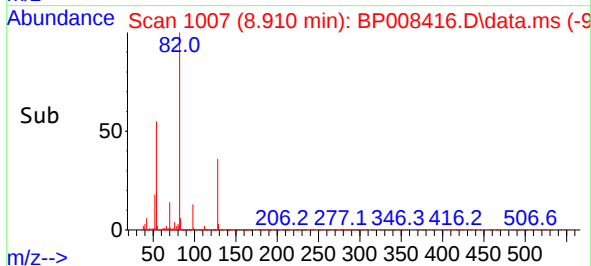
Instrument :
BNA_P
ClientSampleId :
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Tgt Ion: 82 Resp: 159230
Ion Ratio Lower Upper
82 100
128 36.3 29.6 44.4
54 54.8 42.7 64.1

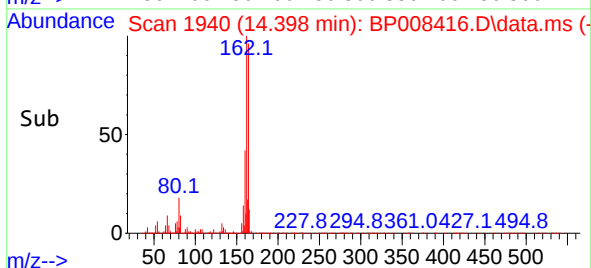
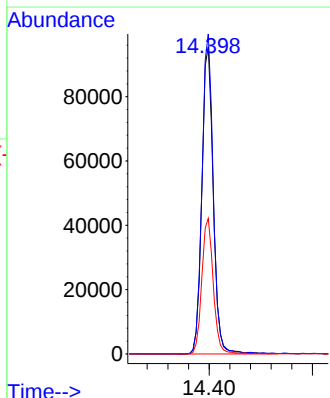
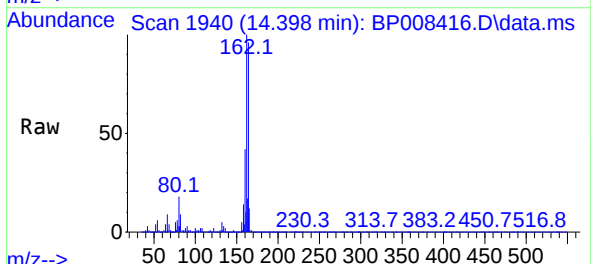
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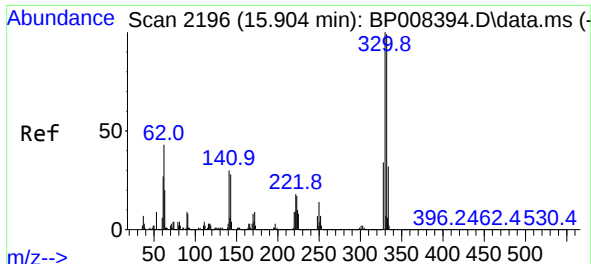
Reviewed By :Christian Giraldo 12/16/2021
Supervised By :Jagrut Upadhyay 12/16/2021



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.398 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BP008416.D
Acq: 15 Dec 2021 14:41

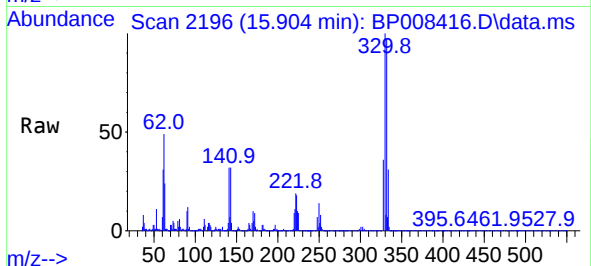
Tgt Ion:164 Resp: 145969
Ion Ratio Lower Upper
164 100
162 104.2 81.9 122.9
160 44.1 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 44.393 ng
RT: 15.904 min Scan# 2196
Delta R.T. -0.000 min
Lab File: BP008416.D
Acq: 15 Dec 2021 14:41

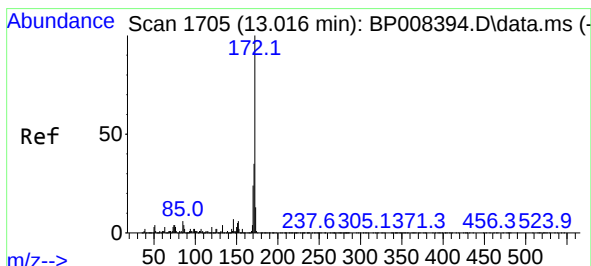
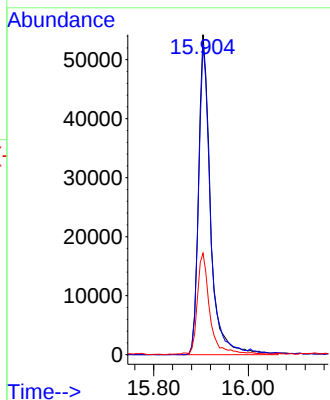
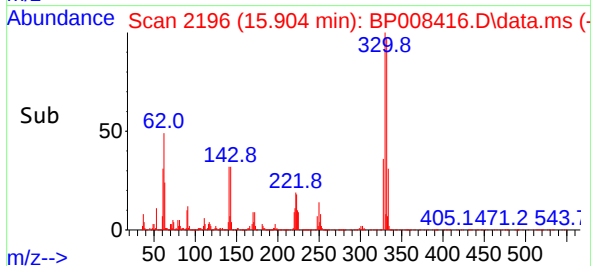
Instrument :
BNA_P
ClientSampleId :
SB-18-C



Tgt Ion:330 Resp: 95228
Ion Ratio Lower Upper
330 100
332 95.3 77.0 115.4
141 33.4 28.4 42.6

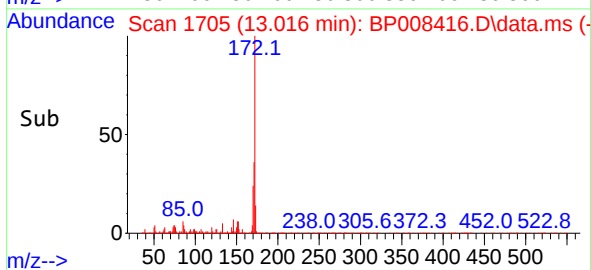
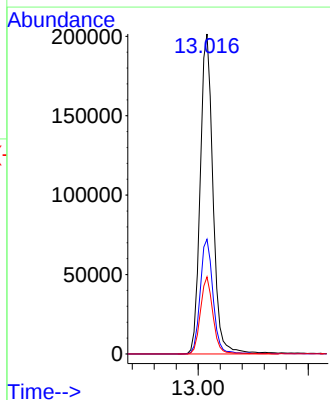
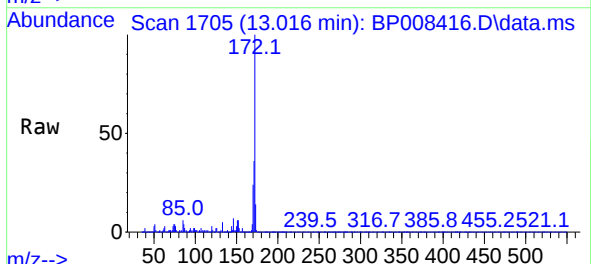
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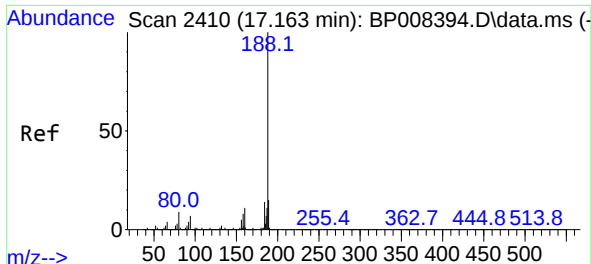
Reviewed By :Christian Giraldo 12/16/2021
Supervised By :Jagrut Upadhyay 12/16/2021



#45
2-Fluorobiphenyl
Concen: 28.363 ng
RT: 13.016 min Scan# 1705
Delta R.T. -0.000 min
Lab File: BP008416.D
Acq: 15 Dec 2021 14:41

Tgt Ion:172 Resp: 325685
Ion Ratio Lower Upper
172 100
171 35.9 28.0 42.0
170 24.1 18.9 28.3





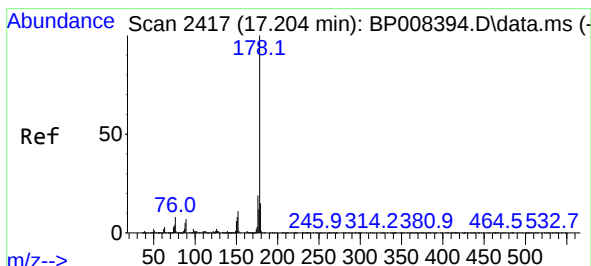
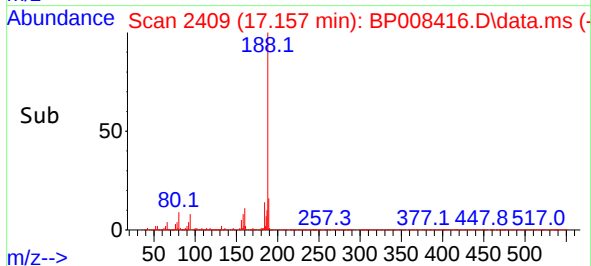
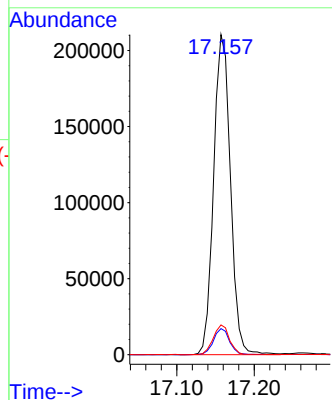
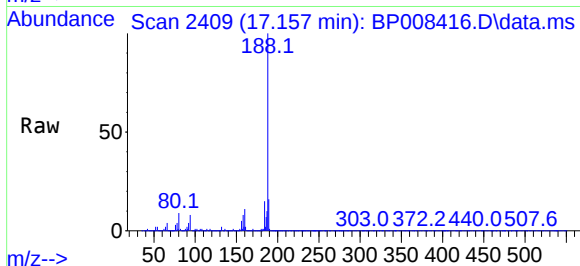
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2410
Delta R.T. -0.006 min
Lab File: BP008416.D
Acq: 15 Dec 2021 14:41

Instrument :
BNA_P
ClientSampleId :
SB-18-C

Tgt Ion:188 Resp: 317210
Ion Ratio Lower Upper
188 100
94 8.2 7.2 10.8
80 9.3 8.2 12.4

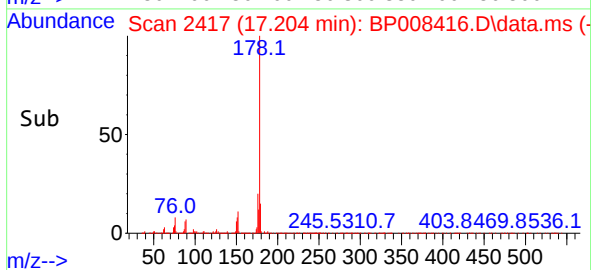
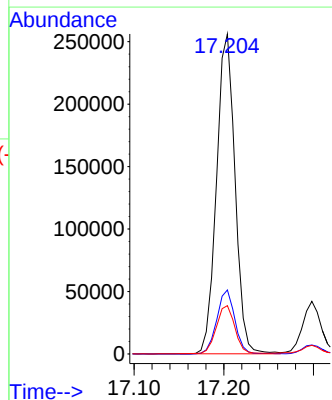
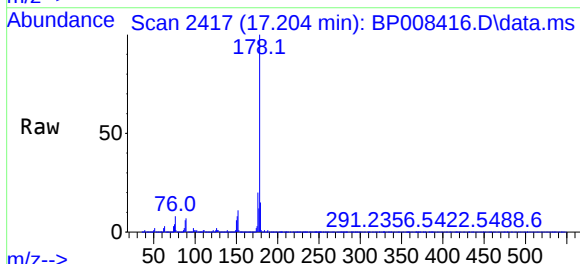
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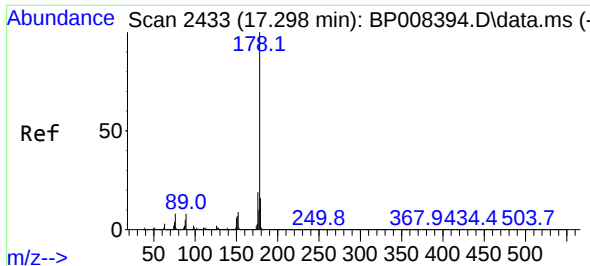
Reviewed By :Christian Giraldo 12/16/2021
Supervised By :Jagrut Upadhyay 12/16/2021



#71
Phenanthrene
Concen: 21.367 ng
RT: 17.204 min Scan# 2417
Delta R.T. -0.000 min
Lab File: BP008416.D
Acq: 15 Dec 2021 14:41

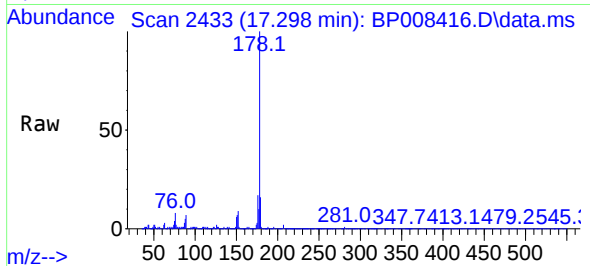
Tgt Ion:178 Resp: 367147
Ion Ratio Lower Upper
178 100
176 20.0 15.3 22.9
179 15.1 12.5 18.7





#72
 Anthracene
 Concen: 3.443 ng
 RT: 17.298 min Scan# 2433
 Delta R.T. -0.000 min
 Lab File: BP008416.D
 Acq: 15 Dec 2021 14:41

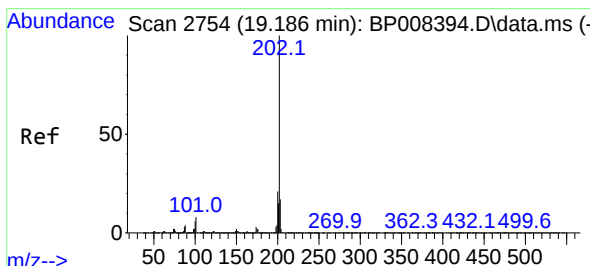
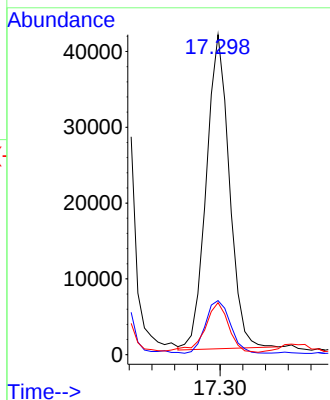
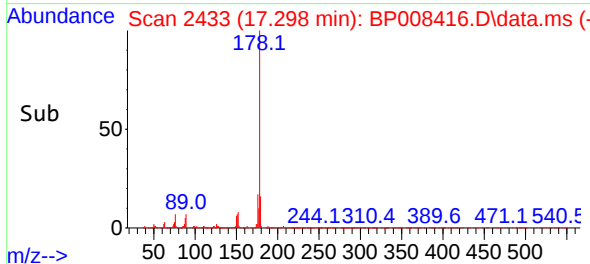
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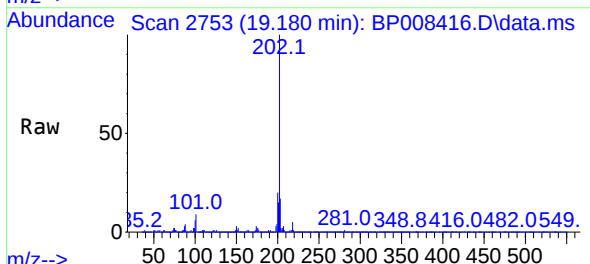
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 Ion Ratio Lower Upper
 178 100
 176 16.9 15.1 22.7
 179 16.3 12.3 18.5

Manual Integrations
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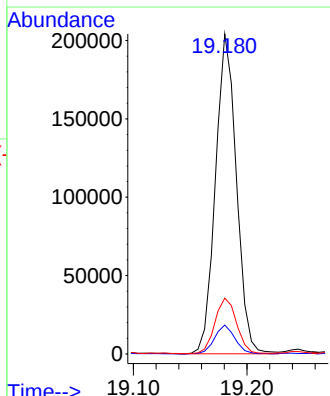
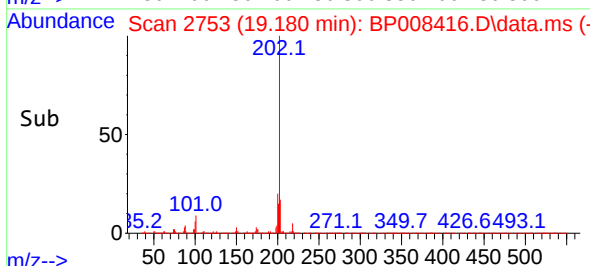
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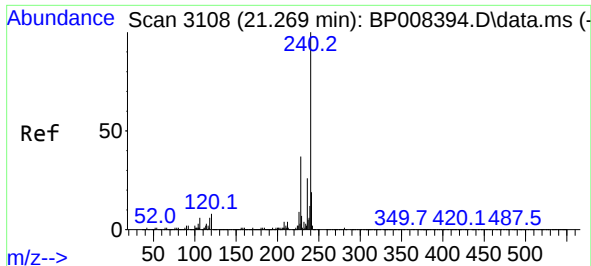


#75
 Fluoranthene
 Concen: 13.492 ng
 RT: 19.180 min Scan# 2753
 Delta R.T. -0.006 min
 Lab File: BP008416.D
 Acq: 15 Dec 2021 14:41



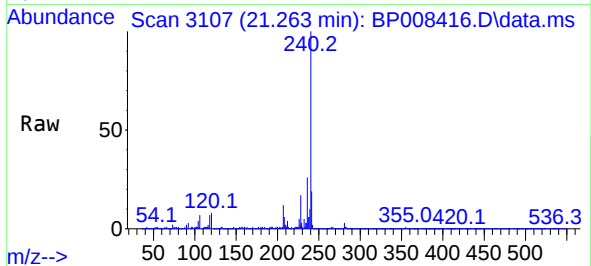
Tgt Ion:202 Resp: 261744
 Ion Ratio Lower Upper
 202 100
 101 9.1 0.0 29.8
 203 17.5 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.263 min Scan# 3108
Delta R.T. -0.006 min
Lab File: BP008416.D
Acq: 15 Dec 2021 14:41

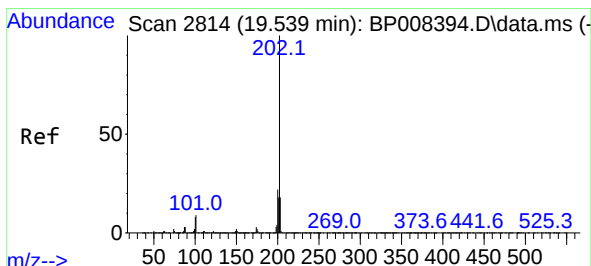
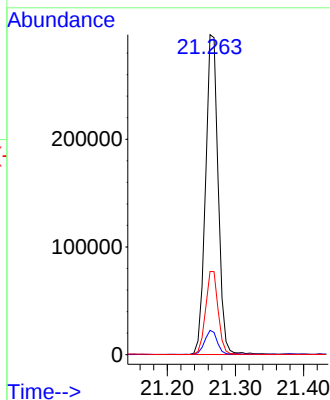
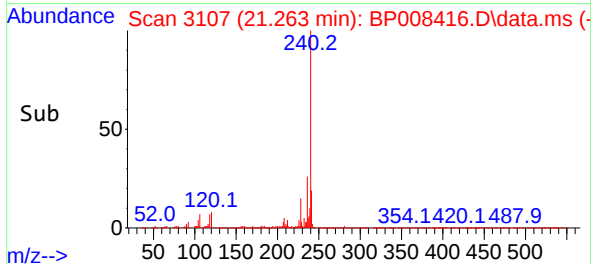
Instrument :
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ClientSampleId :
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Tgt Ion:240 Resp: 382125
Ion Ratio Lower Upper
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120 7.6 7.3 10.9
236 26.0 21.4 32.2

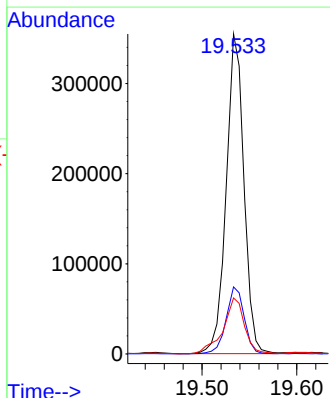
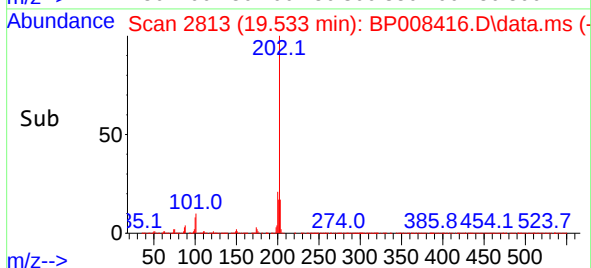
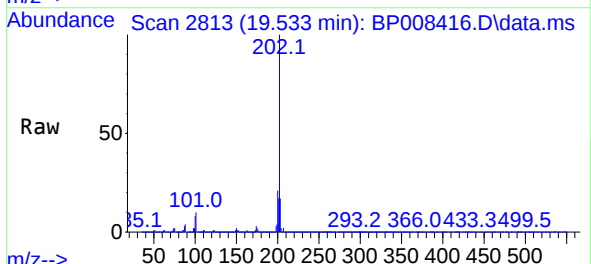
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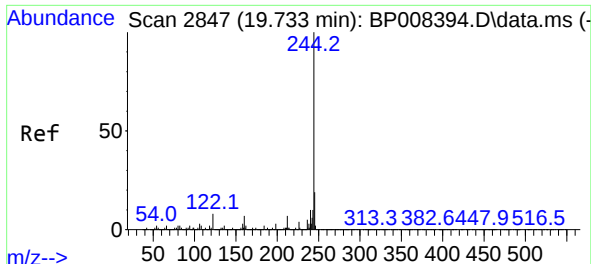
Reviewed By :Christian Giraldo 12/16/2021
Supervised By :Jagrut Upadhyay 12/16/2021



#78
Pyrene
Concen: 16.877 ng
RT: 19.533 min Scan# 2813
Delta R.T. -0.006 min
Lab File: BP008416.D
Acq: 15 Dec 2021 14:41

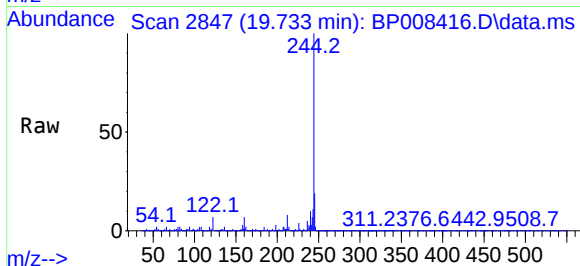
Tgt Ion:202 Resp: 461413
Ion Ratio Lower Upper
202 100
200 20.9 17.1 25.7
203 17.5 14.2 21.2





#79
 Terphenyl-d14
 Concen: 26.938 ng
 RT: 19.733 min Scan# 2847
 Delta R.T. -0.000 min
 Lab File: BP008416.D
 Acq: 15 Dec 2021 14:41

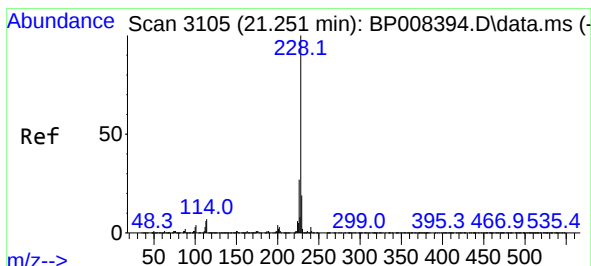
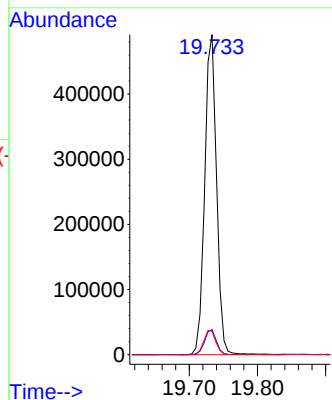
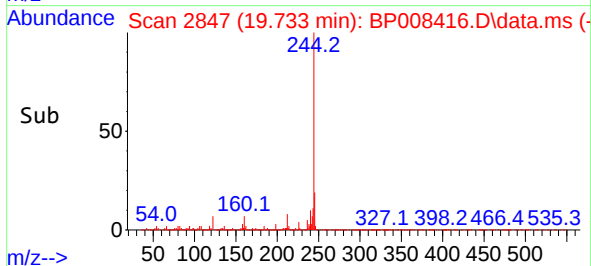
Instrument :
 BNA_P
 ClientSampleId :
 SB-18-C



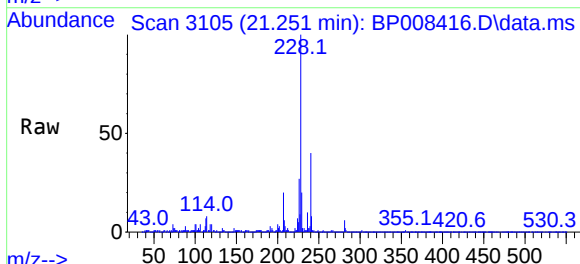
Tgt Ion:244 Resp: 591450
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.0 9.0
 122 7.2 6.6 9.8

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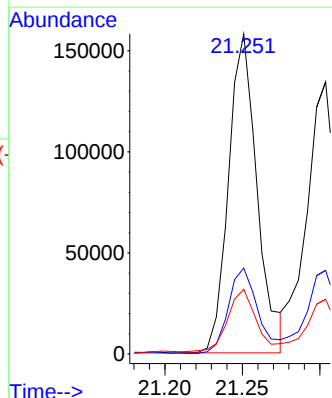
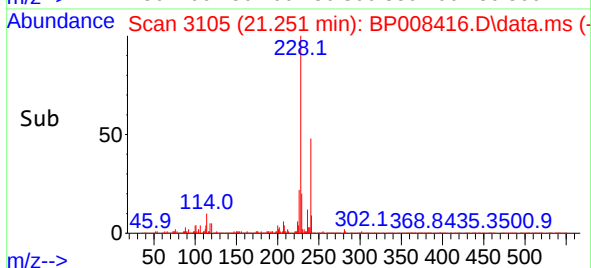
Reviewed By :Christian Giraldo 12/16/2021
 Supervised By :Jagrut Upadhyay 12/16/2021

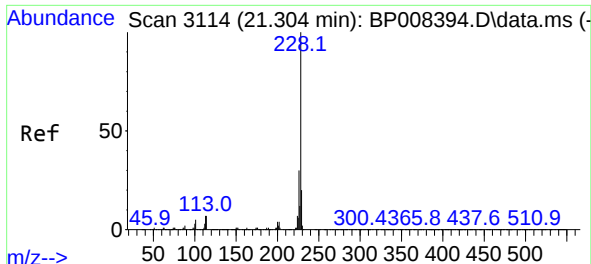


#81
 Benzo(a)anthracene
 Concen: 7.916 ng
 RT: 21.251 min Scan# 3105
 Delta R.T. -0.000 min
 Lab File: BP008416.D
 Acq: 15 Dec 2021 14:41



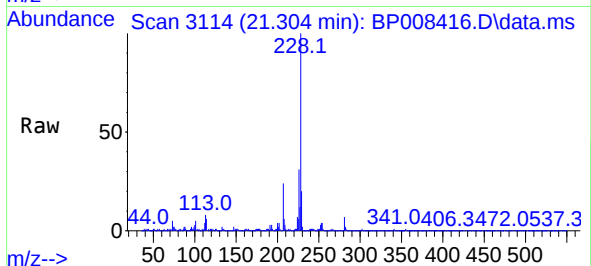
Tgt Ion:228 Resp: 202725
 Ion Ratio Lower Upper
 228 100
 226 26.8 21.9 32.9
 229 20.2 15.9 23.9





#83
Chrysene
Concen: 7.464 ng
RT: 21.304 min Scan# 3114
Delta R.T. -0.000 min
Lab File: BP008416.D
Acq: 15 Dec 2021 14:41

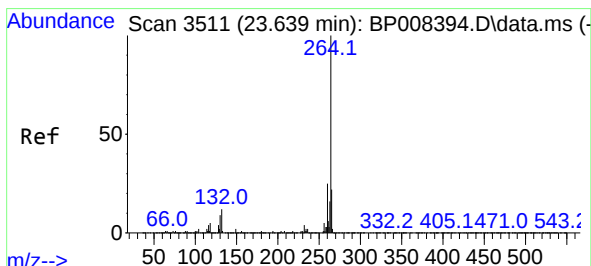
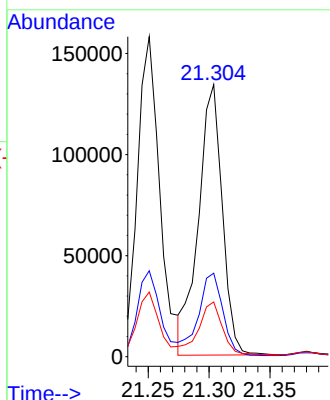
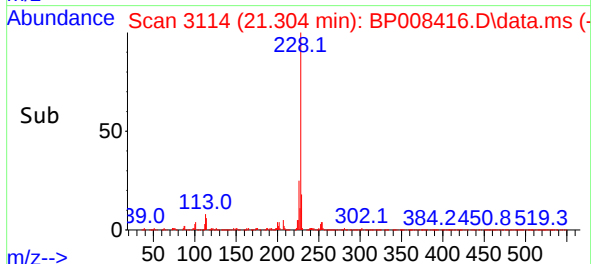
Instrument :
BNA_P
ClientSampleId :
SB-18-C



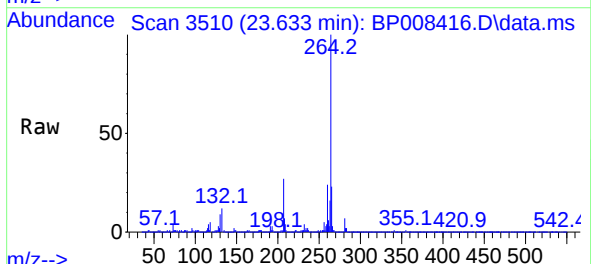
Tgt Ion:228 Resp: 182574
Ion Ratio Lower Upper
228 100
226 30.7 24.0 36.0
229 20.1 15.8 23.8

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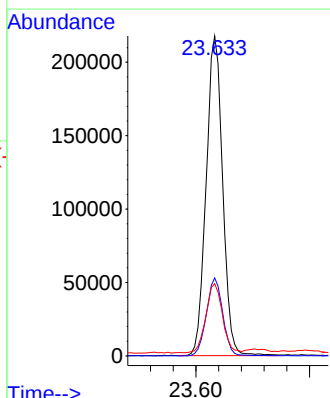
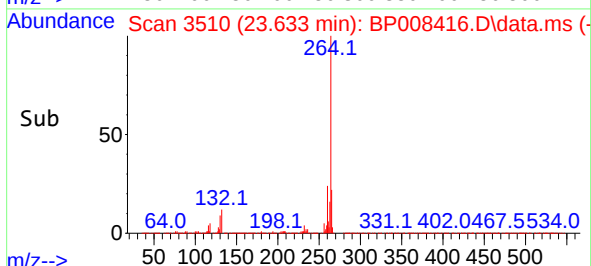
Reviewed By :Christian Giraldo 12/16/2021
Supervised By :Jagrut Upadhyay 12/16/2021

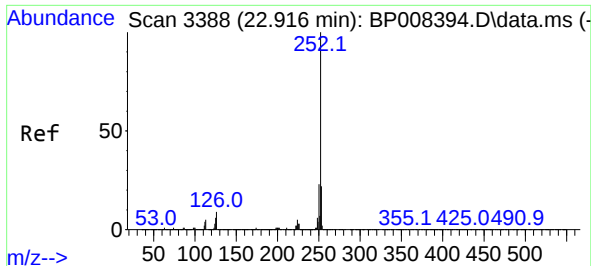


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.633 min Scan# 3510
Delta R.T. -0.006 min
Lab File: BP008416.D
Acq: 15 Dec 2021 14:41



Tgt Ion:264 Resp: 437735
Ion Ratio Lower Upper
264 100
260 24.4 19.4 29.2
265 22.6 17.6 26.4





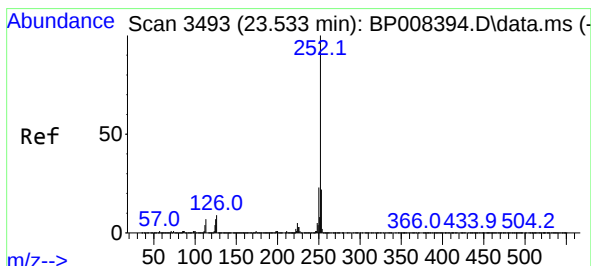
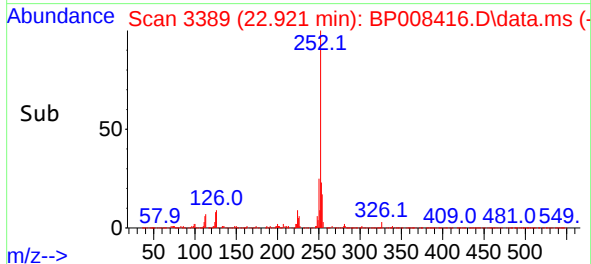
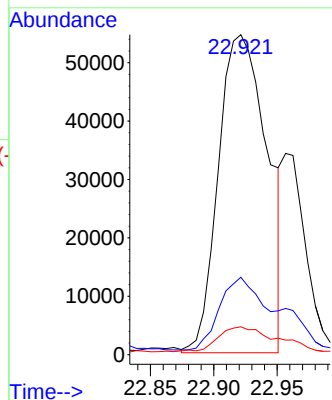
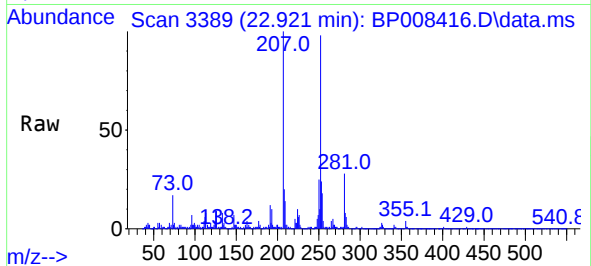
#88
Benzo(b)fluoranthene
Concen: 5.552 ng m
RT: 22.921 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP008416.D
Acq: 15 Dec 2021 14:41

Instrument :
BNA_P
ClientSampleId :
SB-18-C

Tgt Ion:252 Resp: 14619
Ion Ratio Lower Upper
252 100
253 24.2 17.7 26.5
125 8.7 6.2 9.4

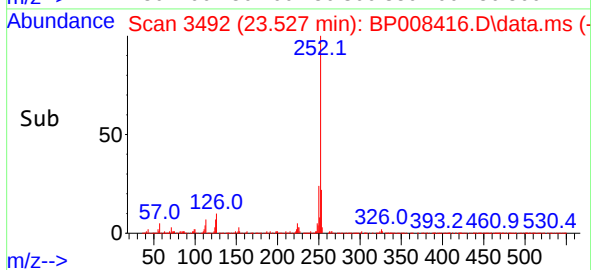
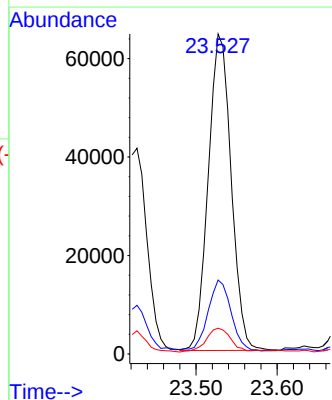
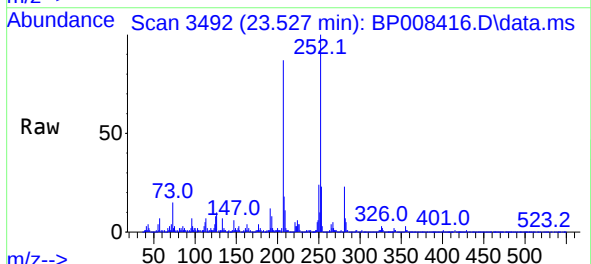
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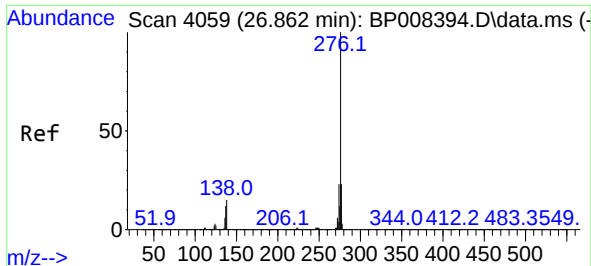
Reviewed By :Christian Giraldo 12/16/2021
Supervised By :Jagrut Upadhyay 12/16/2021



#90
Benzo(a)pyrene
Concen: 5.508 ng
RT: 23.527 min Scan# 3492
Delta R.T. -0.006 min
Lab File: BP008416.D
Acq: 15 Dec 2021 14:41

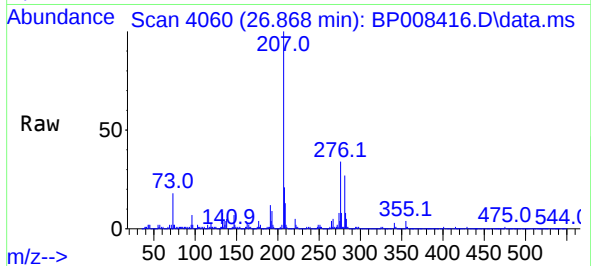
Tgt Ion:252 Resp: 125881
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 8.0 7.4 11.0





#92
Benzo(g,h,i)perylene
Concen: 2.407 ng
RT: 26.868 min Scan# 4060
Delta R.T. 0.006 min
Lab File: BP008416.D
Acq: 15 Dec 2021 14:41

Instrument :
BNA_P
ClientSampleId :
SB-18-C



Tgt Ion: 276 Resp: 6876
Ion Ratio Lower Upper
276 100
277 23.4 20.0 30.0
138 15.5 14.1 21.1

Manual Integrations
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Reviewed By : Christian Giraldo 12/16/2021
Supervised By : Jagrut Upadhyay 12/16/2021

