

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121321\
 Data File : BP008385.D
 Acq On : 13 Dec 2021 20:07
 Operator : CG/JU
 Sample : M5051-02 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 P-2

Quant Time: Dec 14 02:20:52 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 11 03:53:01 2021
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 12/14/2021
 Supervised By :Jagrut Upadhyay 12/14/2021

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.746	152	71092	20.000	ng	-0.02
21) Naphthalene-d8	10.546	136	251251	20.000	ng	-0.01
39) Acenaphthene-d10	14.398	164	164581	20.000	ng	-0.02
64) Phenanthrene-d10	17.163	188	360000	20.000	ng	-0.02
76) Chrysene-d12	21.275	240	402783	20.000	ng	-0.01
86) Perylene-d12	23.651	264	452803	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.352	112	68814	15.585	ng	0.00
7) Phenol-d6	6.952	99	86482	14.509	ng	0.00
23) Nitrobenzene-d5	8.916	82	59888	10.839	ng	-0.01
42) 2,4,6-Tribromophenol	15.910	330	37484	17.819	ng	0.00
45) 2-Fluorobiphenyl	13.022	172	123649	10.913	ng	-0.01
79) Terphenyl-d14	19.739	244	223248	11.584	ng	-0.02
Target Compounds						Qvalue
49) Acenaphthylene	14.128	152	30251	2.079	ng	98
71) Phenanthrene	17.210	178	59756	3.144	ng	98
72) Anthracene	17.304	178	40169	2.130	ng	97
75) Fluoranthene	19.192	202	225857	8.821	ng	98
78) Pyrene	19.545	202	260416	8.146	ng	99
81) Benzo(a)anthracene	21.263	228	173188	6.488	ng	96
83) Chrysene	21.310	228	175837	6.922	ng	97
87) Indeno(1,2,3-cd)pyrene	26.127	276	161790	4.911	ng	# 94
88) Benzo(b)fluoranthene	22.933	252	284150	10.409	ng	# 95
89) Benzo(k)fluoranthene	22.974	252	95995m	3.592	ng	
90) Benzo(a)pyrene	23.551	252	204530	8.767	ng	97
92) Benzo(g,h,i)perylene	26.886	276	168359	6.100	ng	97

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

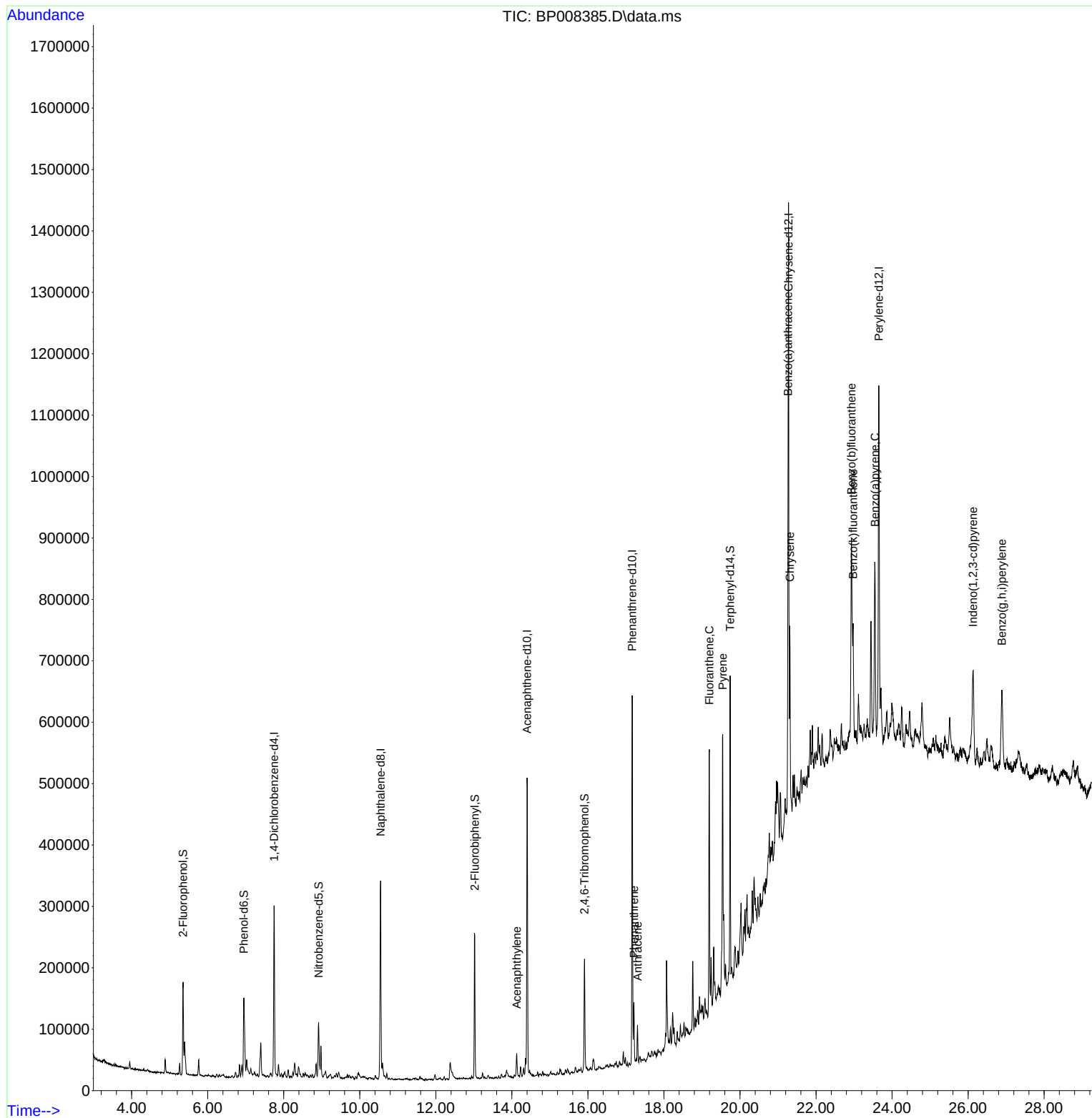
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Data File : BP008385.D
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ALS Vial : 12 Sample Multiplier: 1

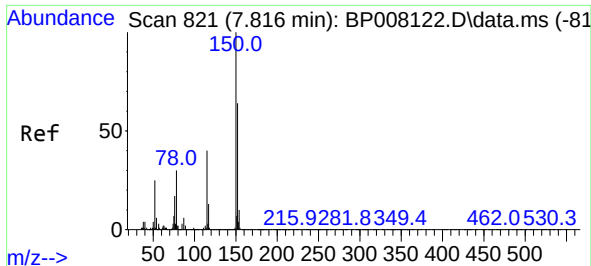
Instrument :
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Quant Time: Dec 14 02:20:52 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 11 03:53:01 2021
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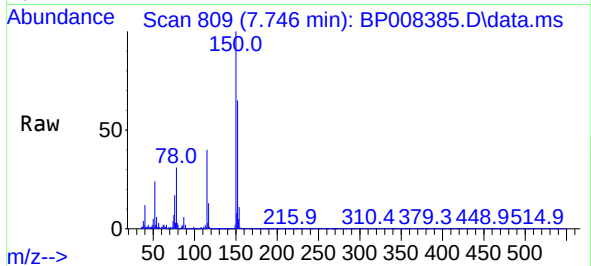
Reviewed By : Christian Giraldo 12/14/2021
Supervised By : Jagrut Upadhyay 12/14/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.746 min Scan# 80
Delta R.T. -0.017 min
Lab File: BP008385.D
Acq: 13 Dec 2021 20:07

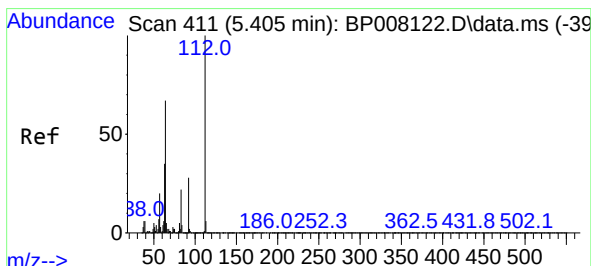
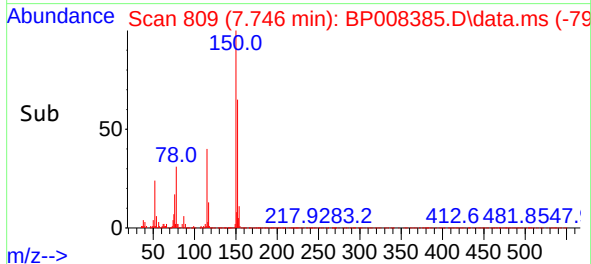
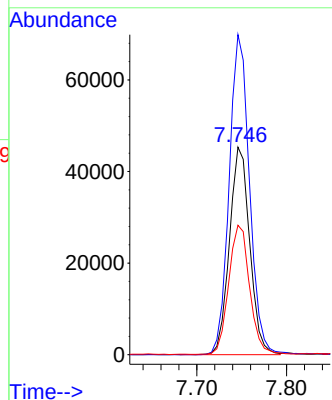
Instrument :
BNA_P
ClientSampleId :
P-2



Tgt Ion:152 Resp: 71092
Ion Ratio Lower Upper
152 100
150 154.1 125.7 188.5
115 62.4 50.7 76.1

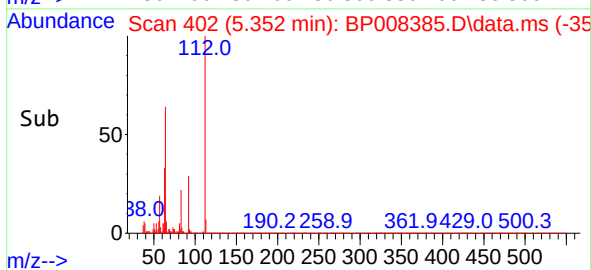
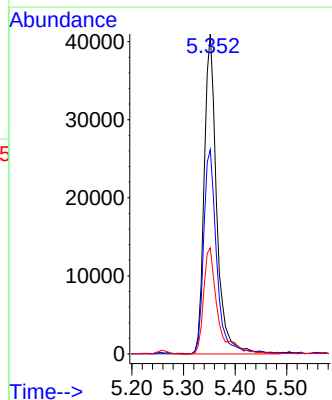
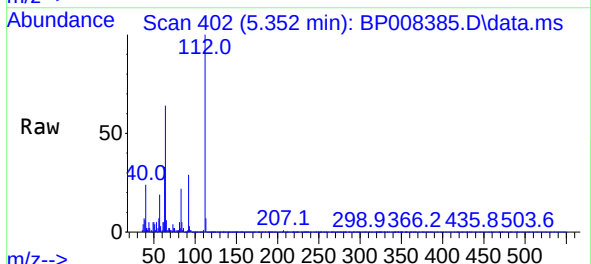
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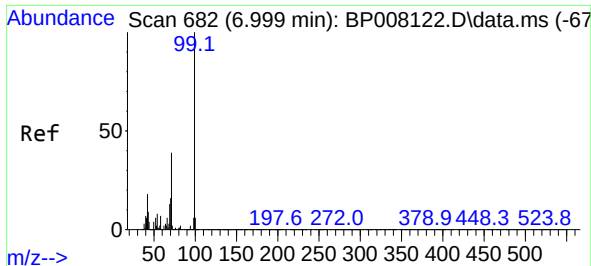
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Supervised By :Jagrut Upadhyay 12/14/2021



#5
2-Fluorophenol
Concen: 15.585 ng
RT: 5.352 min Scan# 402
Delta R.T. -0.006 min
Lab File: BP008385.D
Acq: 13 Dec 2021 20:07

Tgt Ion:112 Resp: 68814
Ion Ratio Lower Upper
112 100
64 63.8 53.4 80.2
63 33.1 27.8 41.8





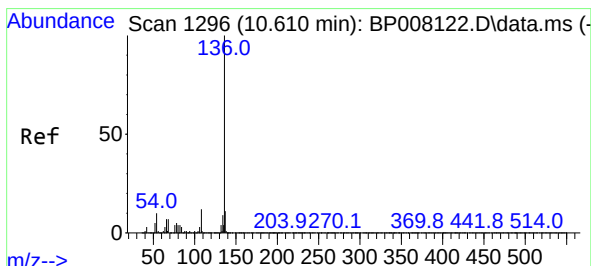
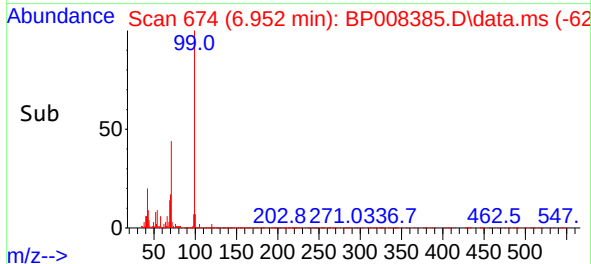
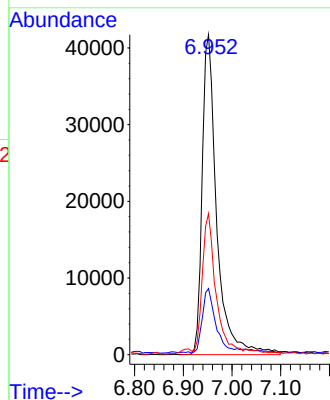
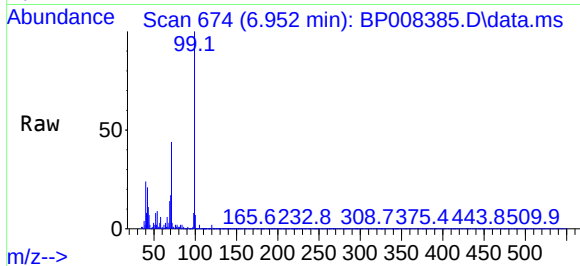
#7
Phenol-d6
Concen: 14.509 ng
RT: 6.952 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP008385.D
Acq: 13 Dec 2021 20:07

Instrument :
BNA_P
ClientSampleId :
P-2

Tgt Ion: 99 Resp: 8648
Ion Ratio Lower Upper
99 100
42 20.7 14.6 22.0
71 44.1 31.1 46.7

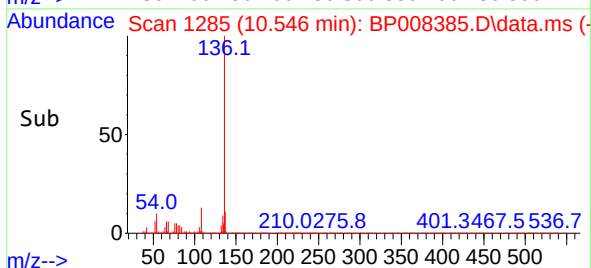
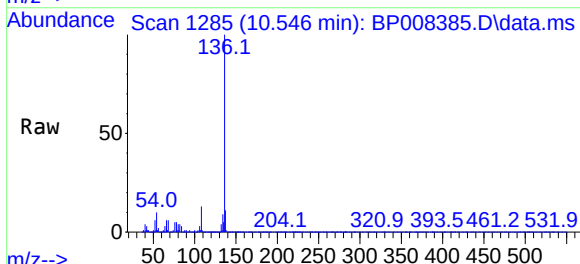
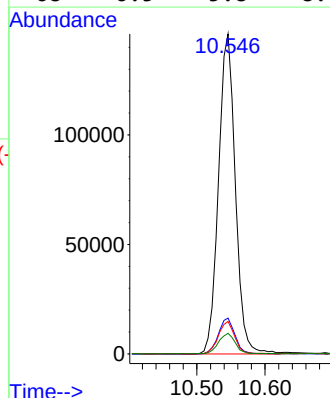
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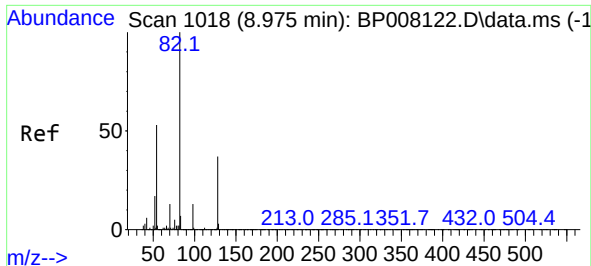
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.546 min Scan# 1285
Delta R.T. -0.012 min
Lab File: BP008385.D
Acq: 13 Dec 2021 20:07

Tgt Ion:136 Resp: 251251
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.6
54 10.1 8.2 12.4
68 6.5 5.8 8.8





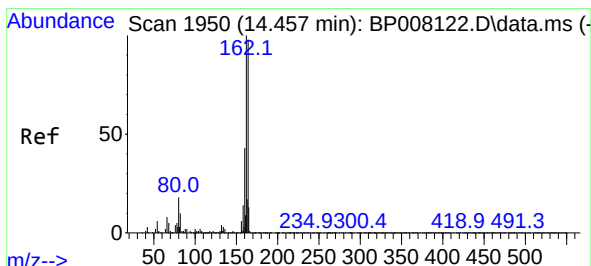
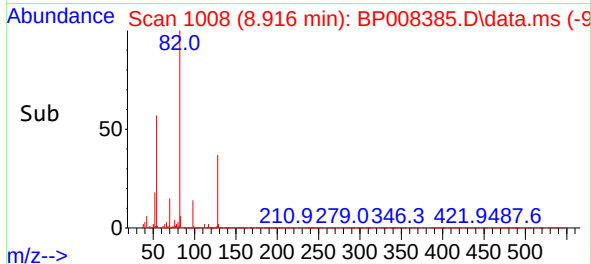
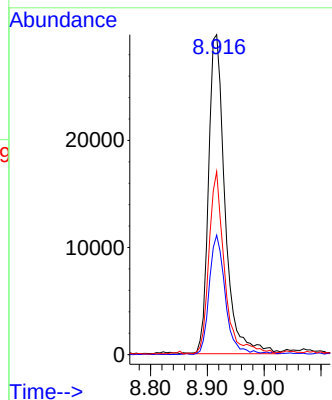
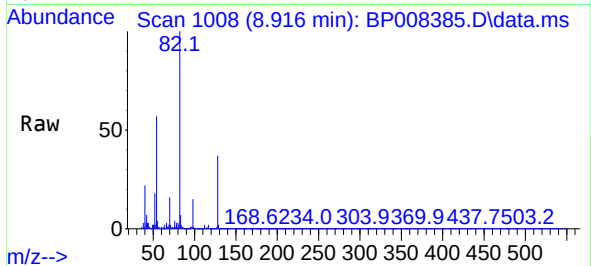
#23
Nitrobenzene-d5
Concen: 10.839 ng
RT: 8.916 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BP008385.D
Acq: 13 Dec 2021 20:07

Instrument :
BNA_P
ClientSampleId :
P-2

Tgt Ion: 82 Resp: 5988
Ion Ratio Lower Upper
82 100
128 37.3 29.6 44.4
54 57.2 42.7 64.1

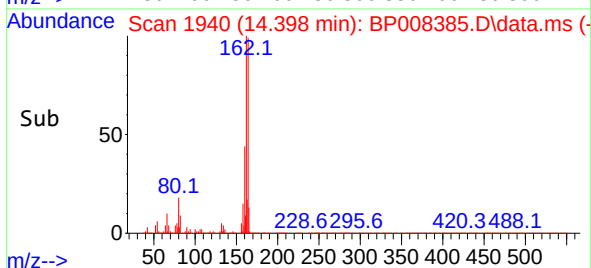
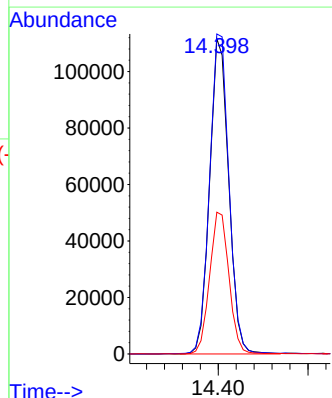
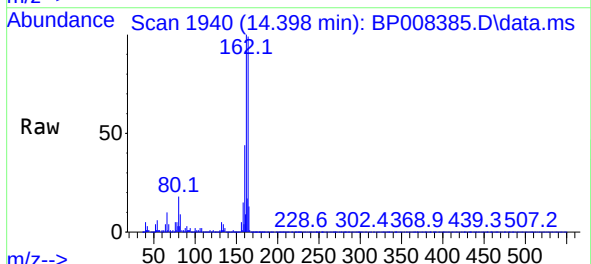
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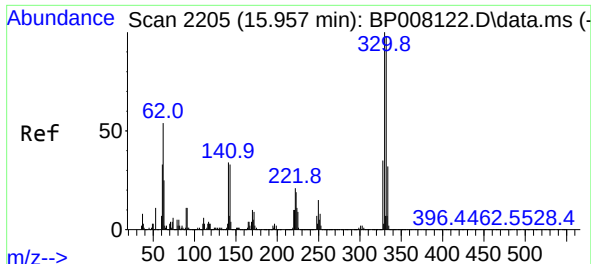
Reviewed By :Christian Giraldo 12/14/2021
Supervised By :Jagrut Upadhyay 12/14/2021



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.398 min Scan# 1940
Delta R.T. -0.018 min
Lab File: BP008385.D
Acq: 13 Dec 2021 20:07

Tgt Ion:164 Resp: 164581
Ion Ratio Lower Upper
164 100
162 101.5 81.9 122.9
160 45.0 35.4 53.0





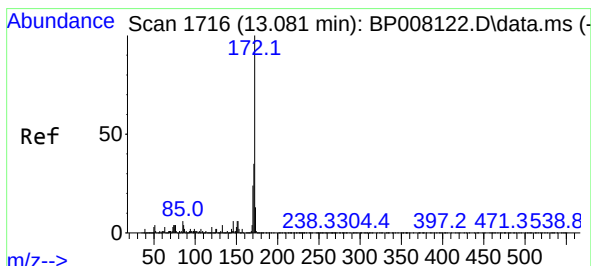
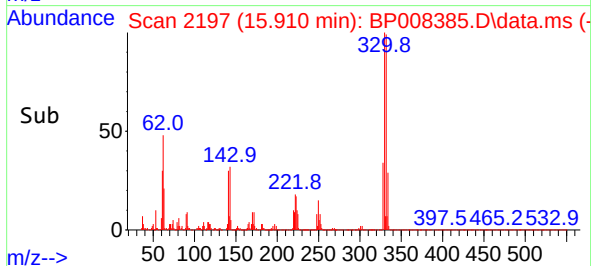
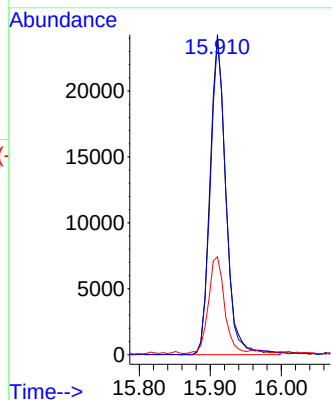
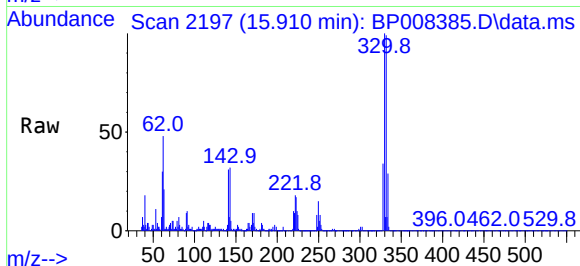
#42
2,4,6-Tribromophenol
Concen: 17.819 ng
RT: 15.910 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP008385.D
Acq: 13 Dec 2021 20:07

Instrument :
BNA_P
ClientSampleId :
P-2

Tgt Ion:330 Resp: 3748
Ion Ratio Lower Upper
330 100
332 98.5 77.0 115.4
141 31.0 28.4 42.6

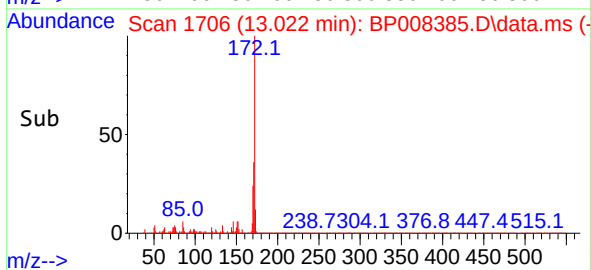
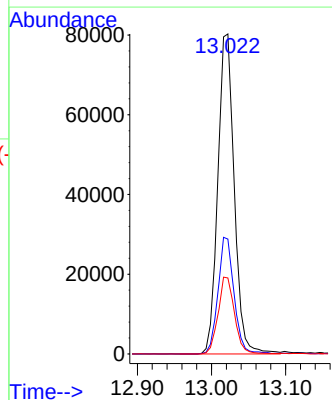
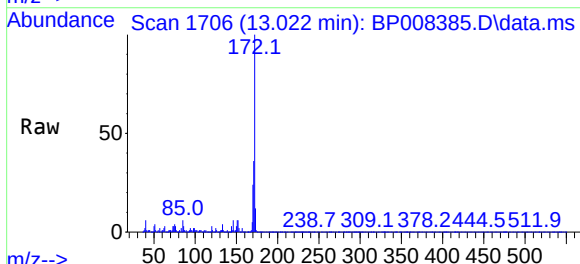
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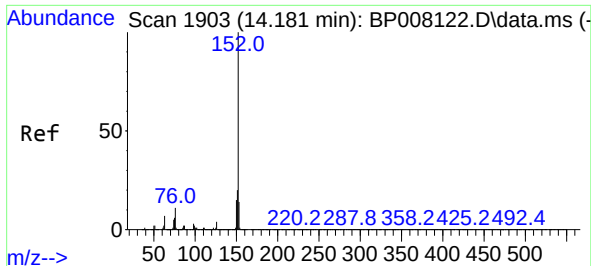
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#45
2-Fluorobiphenyl
Concen: 10.913 ng
RT: 13.022 min Scan# 1706
Delta R.T. -0.012 min
Lab File: BP008385.D
Acq: 13 Dec 2021 20:07

Tgt Ion:172 Resp: 123649
Ion Ratio Lower Upper
172 100
171 35.9 28.0 42.0
170 23.8 18.9 28.3





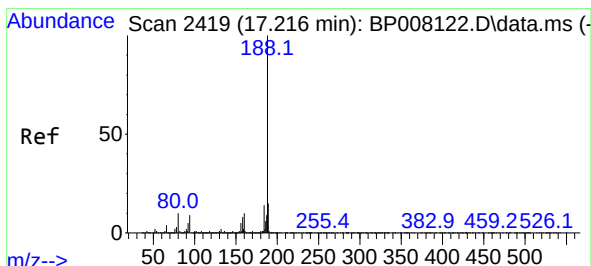
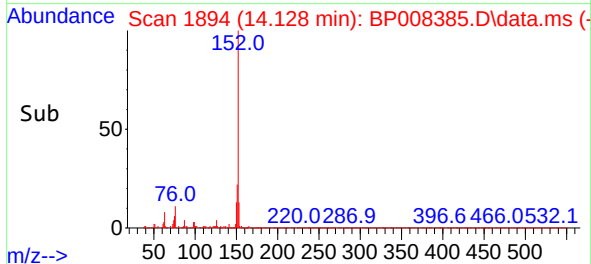
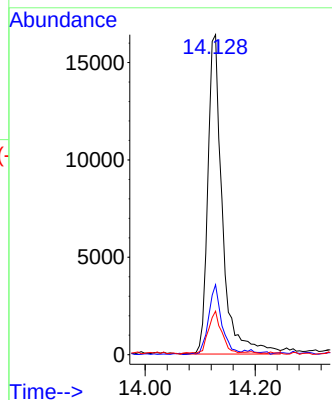
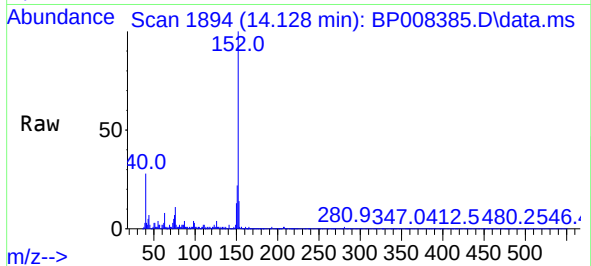
#49
Acenaphthylene
Concen: 2.079 ng
RT: 14.128 min Scan# 1894
Delta R.T. -0.006 min
Lab File: BP008385.D
Acq: 13 Dec 2021 20:07

Instrument :
BNA_P
ClientSampleId :
P-2

Tgt Ion:152 Resp: 3025
Ion Ratio Lower Upper
152 100
151 21.8 16.2 24.4
153 13.6 10.9 16.3

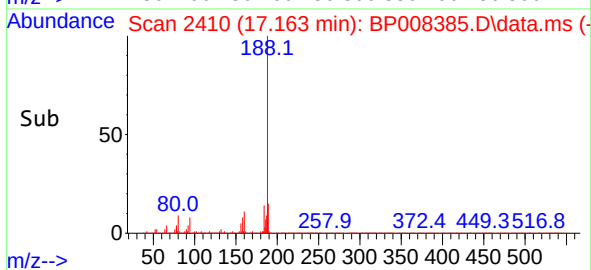
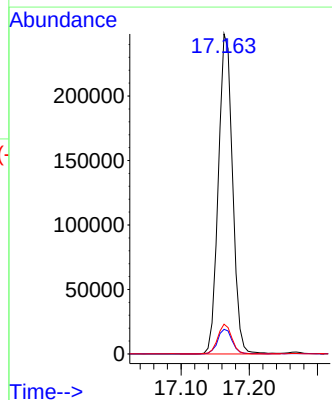
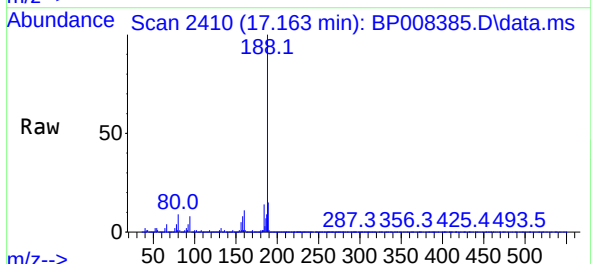
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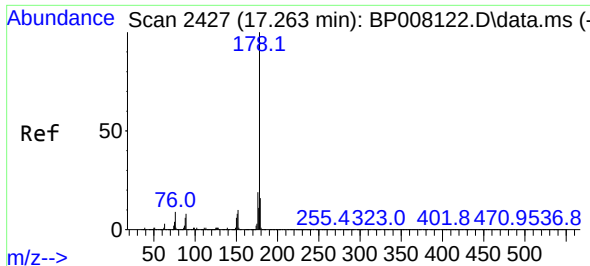
Reviewed By :Christian Giraldo 12/14/2021
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 2410
Delta R.T. -0.018 min
Lab File: BP008385.D
Acq: 13 Dec 2021 20:07

Tgt Ion:188 Resp: 360000
Ion Ratio Lower Upper
188 100
94 7.7 7.2 10.8
80 9.3 8.2 12.4





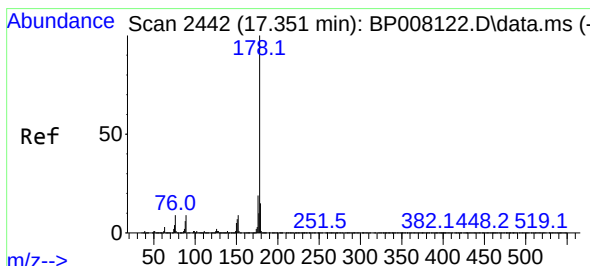
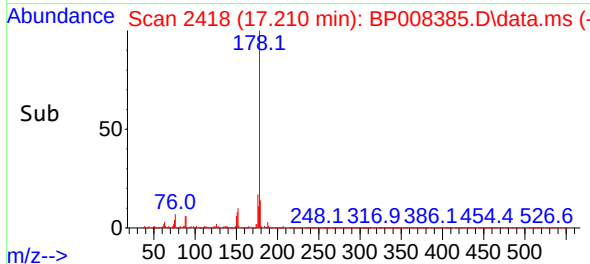
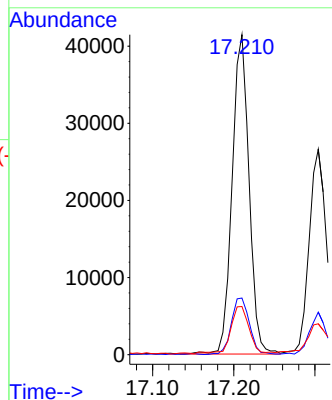
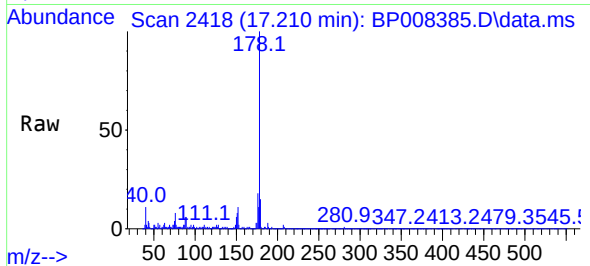
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Phenanthrene
Concen: 3.144 ng
RT: 17.210 min Scan# 2418
Delta R.T. -0.012 min
Lab File: BP008385.D
Acq: 13 Dec 2021 20:07

Instrument :
BNA_P
ClientSampleId :
P-2

Tgt Ion:178 Resp: 59750
Ion Ratio Lower Upper
178 100
176 17.7 15.3 22.9
179 15.1 12.5 18.7

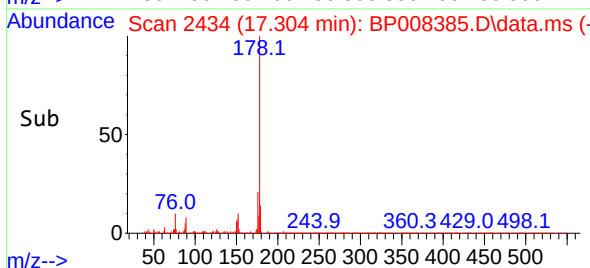
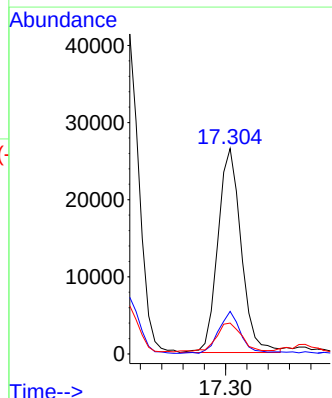
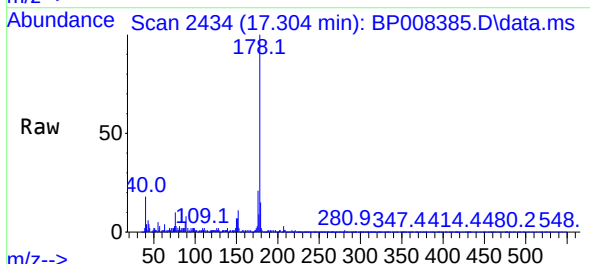
Manual Integrations
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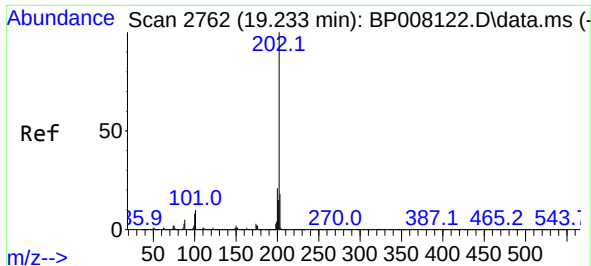
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#72
Anthracene
Concen: 2.130 ng
RT: 17.304 min Scan# 2434
Delta R.T. -0.012 min
Lab File: BP008385.D
Acq: 13 Dec 2021 20:07

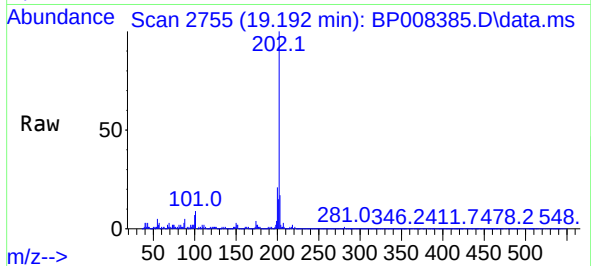
Tgt Ion:178 Resp: 40169
Ion Ratio Lower Upper
178 100
176 20.7 15.1 22.7
179 15.0 12.3 18.5





#75
Fluoranthene
Concen: 8.821 ng
RT: 19.192 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP008385.D
Acq: 13 Dec 2021 20:07

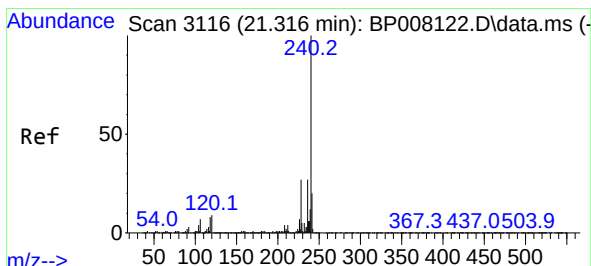
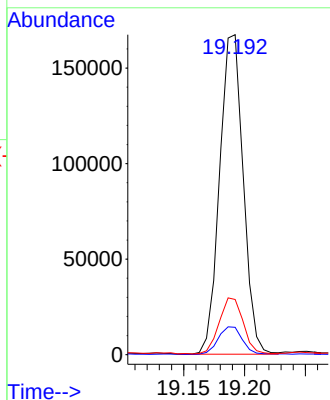
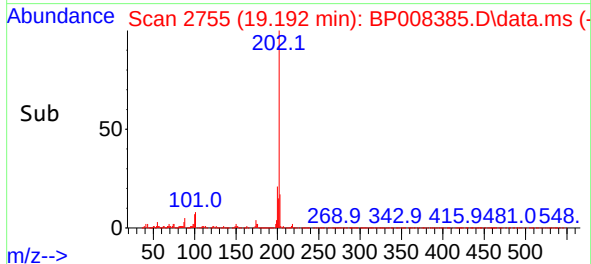
Instrument :
BNA_P
ClientSampleId :
P-2



Tgt Ion:202 Resp: 22585
Ion Ratio Lower Upper
202 100
101 8.6 0.0 29.8
203 17.3 0.0 37.7

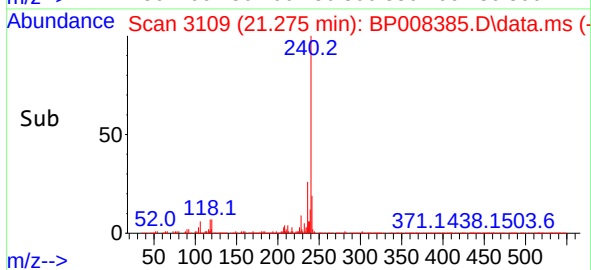
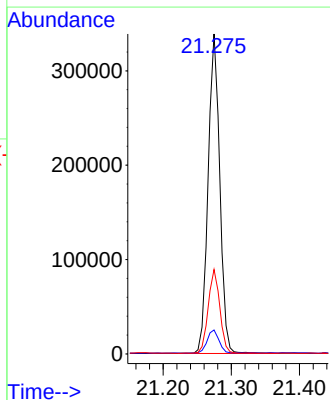
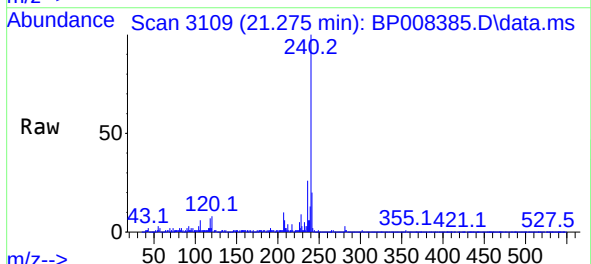
Manual Integrations
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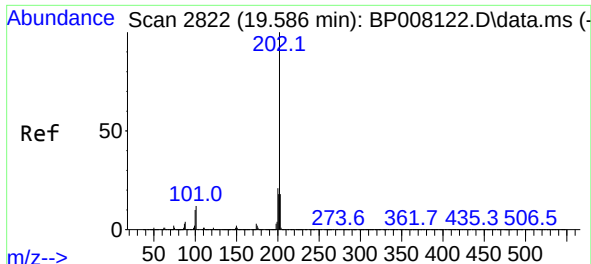
Reviewed By :Christian Giraldo 12/14/2021
Supervised By :Jagrut Upadhyay 12/14/2021



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.275 min Scan# 3109
Delta R.T. -0.012 min
Lab File: BP008385.D
Acq: 13 Dec 2021 20:07

Tgt Ion:240 Resp: 402783
Ion Ratio Lower Upper
240 100
120 7.5 7.3 10.9
236 26.4 21.4 32.2





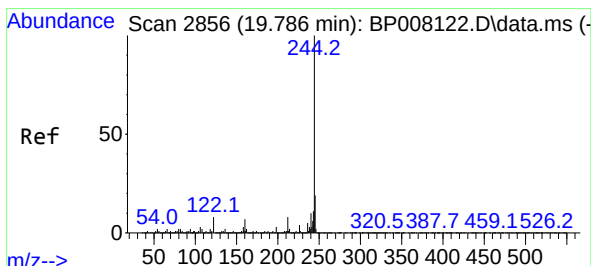
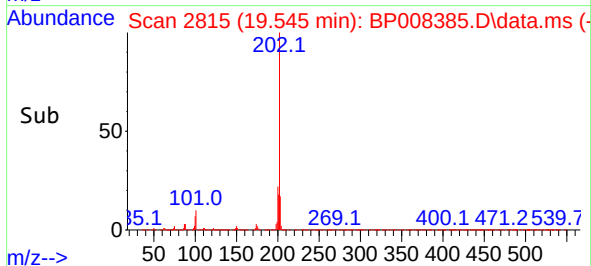
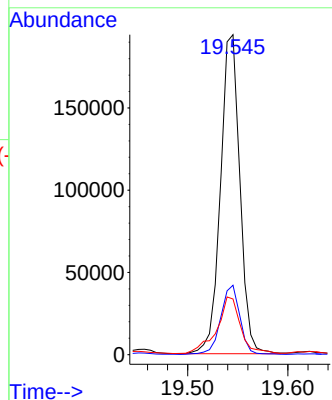
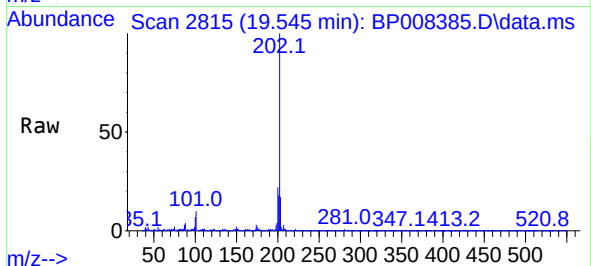
#78
Pyrene
Concen: 8.146 ng
RT: 19.545 min Scan# 2815
Delta R.T. -0.012 min
Lab File: BP008385.D
Acq: 13 Dec 2021 20:07

Instrument :
BNA_P
ClientSampleId :
P-2

Tgt Ion:202 Resp: 260410
Ion Ratio Lower Upper
202 100
200 21.7 17.1 25.7
203 17.4 14.2 21.2

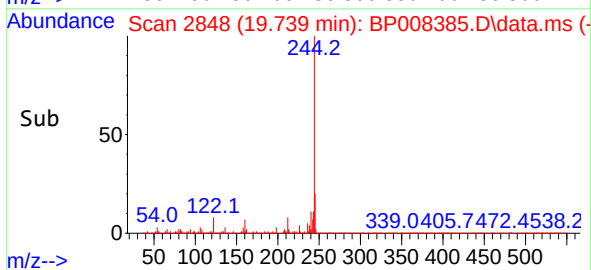
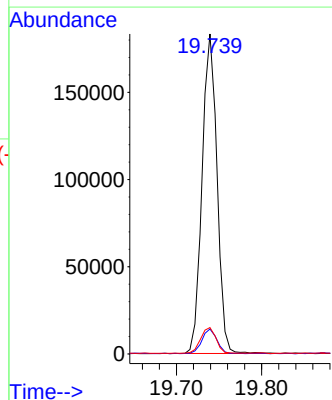
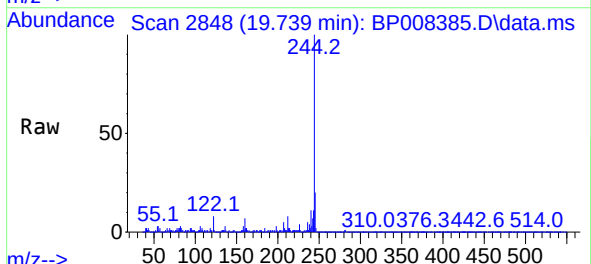
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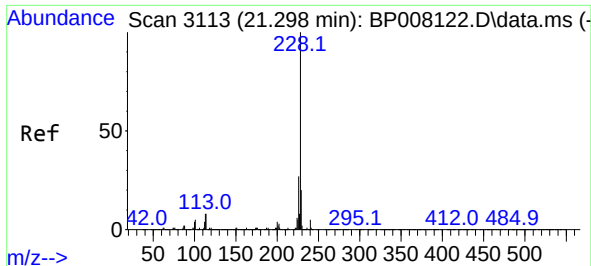
Reviewed By :Christian Giraldo 12/14/2021
Supervised By :Jagrut Upadhyay 12/14/2021



#79
Terphenyl-d14
Concen: 11.584 ng
RT: 19.739 min Scan# 2848
Delta R.T. -0.017 min
Lab File: BP008385.D
Acq: 13 Dec 2021 20:07

Tgt Ion:244 Resp: 223248
Ion Ratio Lower Upper
244 100
212 7.8 6.0 9.0
122 8.3 6.6 9.8





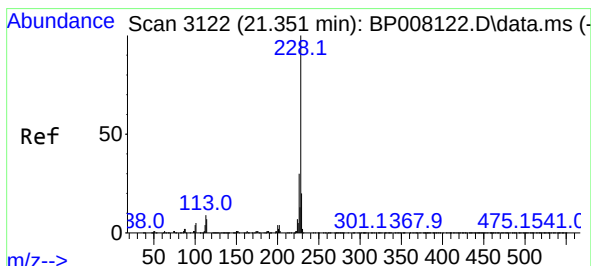
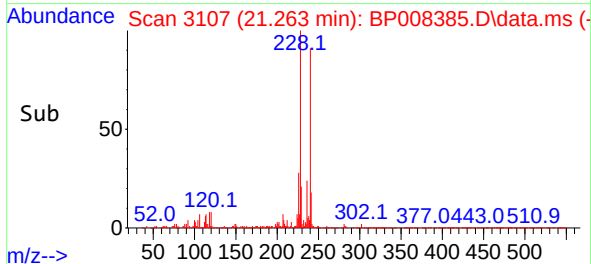
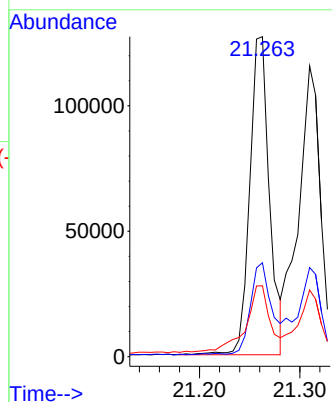
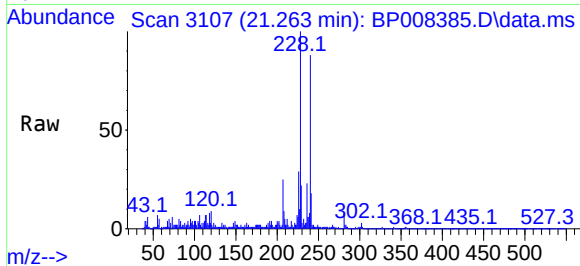
#81
Benzo(a)anthracene
Concen: 6.488 ng
RT: 21.263 min Scan# 3113
Delta R.T. -0.012 min
Lab File: BP008385.D
Acq: 13 Dec 2021 20:07

Instrument :
BNA_P
ClientSampleId :
P-2

Tgt Ion:228 Resp: 17318
Ion Ratio Lower Upper
228 100
226 29.4 21.9 32.9
229 22.2 15.9 23.9

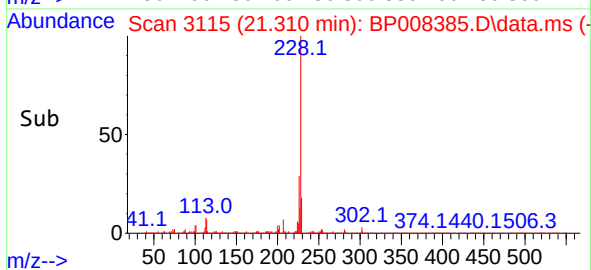
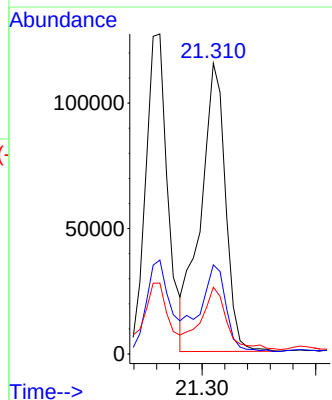
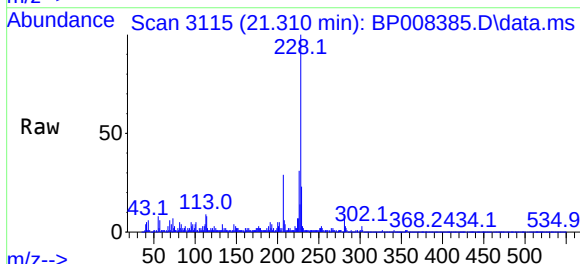
Manual Integrations
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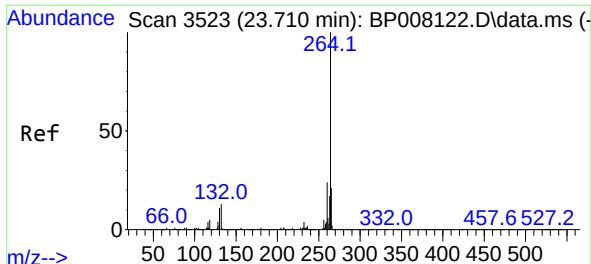
Reviewed By :Christian Giraldo 12/14/2021
Supervised By :Jagrut Upadhyay 12/14/2021



#83
Chrysene
Concen: 6.922 ng
RT: 21.310 min Scan# 3115
Delta R.T. -0.018 min
Lab File: BP008385.D
Acq: 13 Dec 2021 20:07

Tgt Ion:228 Resp: 175837
Ion Ratio Lower Upper
228 100
226 30.7 24.0 36.0
229 22.9 15.8 23.8





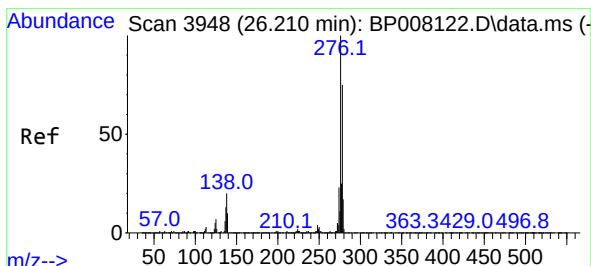
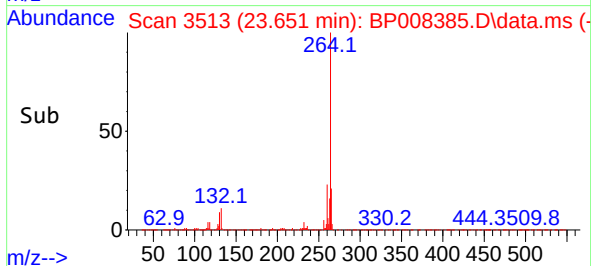
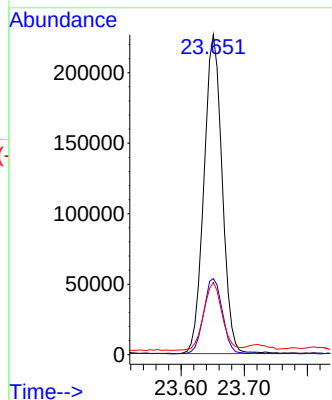
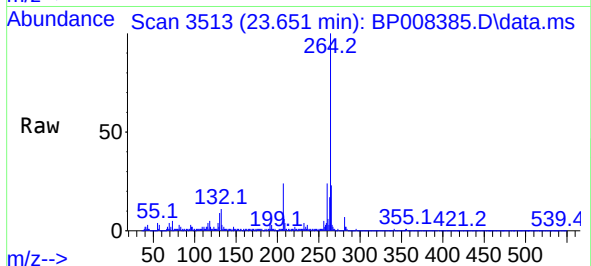
#86
Perylene-d12
Concen: 20.000 ng
RT: 23.651 min Scan# 31
Delta R.T. -0.023 min
Lab File: BP008385.D
Acq: 13 Dec 2021 20:07

Instrument :
BNA_P
ClientSampleId :
P-2

Tgt Ion:264 Resp: 45280
Ion Ratio Lower Upper
264 100
260 23.7 19.4 29.2
265 22.6 17.6 26.4

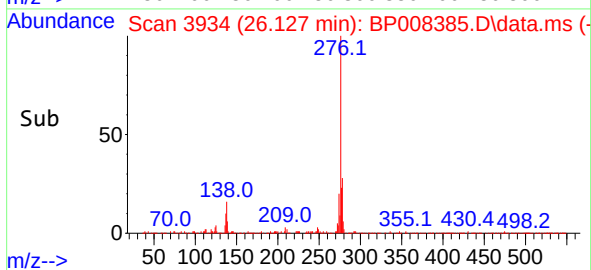
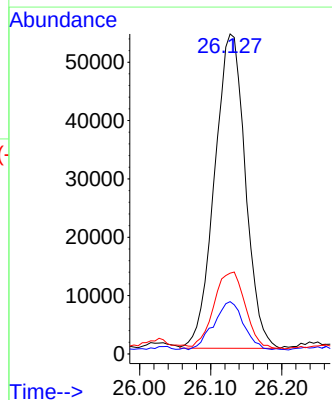
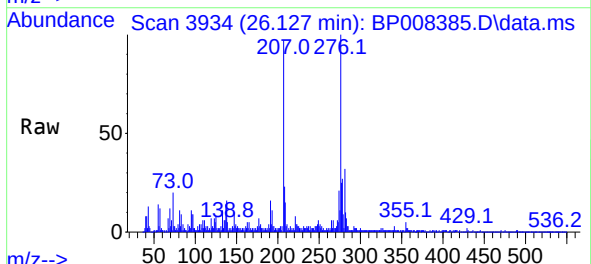
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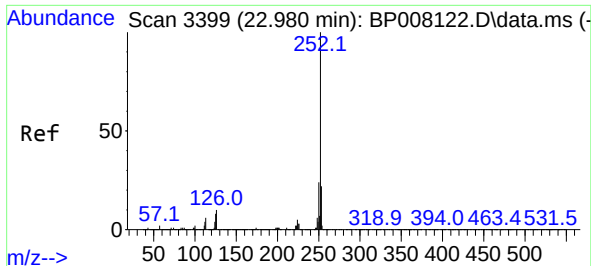
Reviewed By :Christian Giraldo 12/14/2021
Supervised By :Jagrut Upadhyay 12/14/2021



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.911 ng
RT: 26.127 min Scan# 3934
Delta R.T. -0.035 min
Lab File: BP008385.D
Acq: 13 Dec 2021 20:07

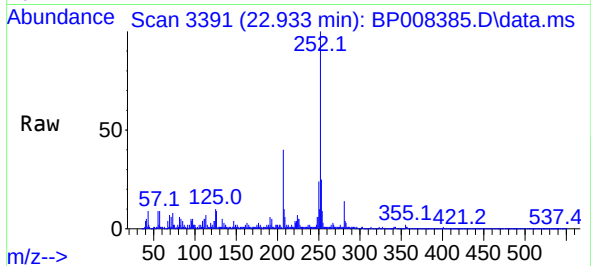
Tgt Ion:276 Resp: 161790
Ion Ratio Lower Upper
276 100
138 15.1 16.6 25.0#
277 25.1 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 10.409 ng
RT: 22.933 min Scan# 3391
Delta R.T. -0.012 min
Lab File: BP008385.D
Acq: 13 Dec 2021 20:07

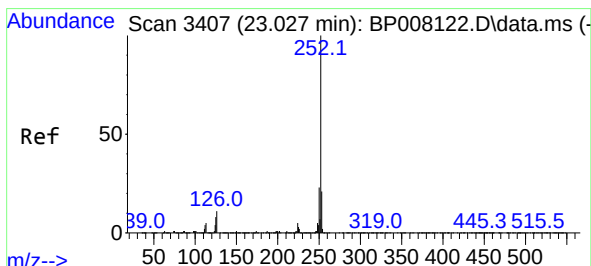
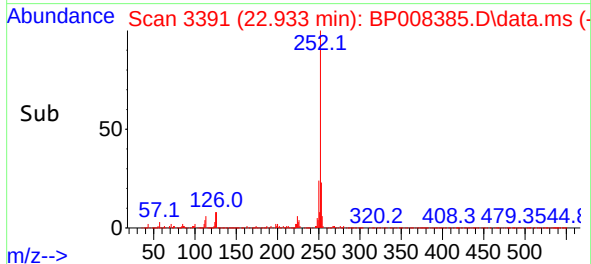
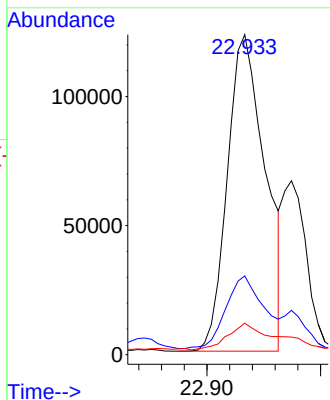
Instrument :
BNA_P
ClientSampleId :
P-2



Tgt Ion:252 Resp: 284150
Ion Ratio Lower Upper
252 100
253 24.6 17.7 26.5
125 9.9 6.2 9.4

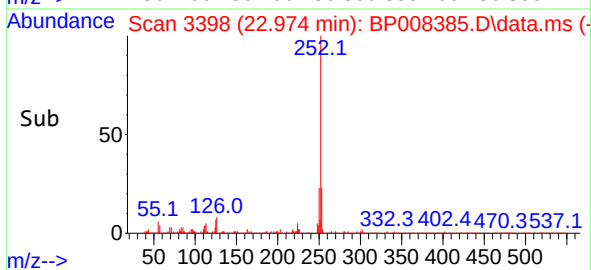
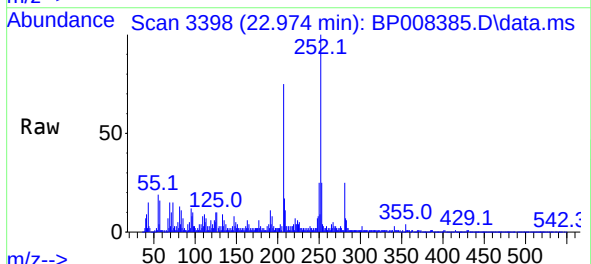
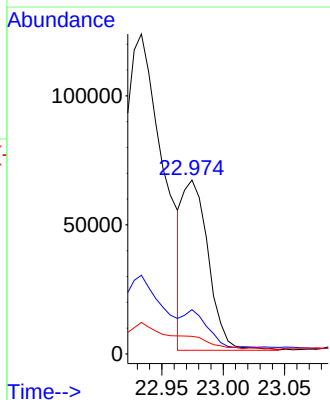
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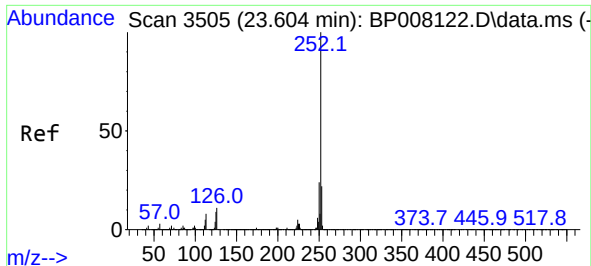
Reviewed By :Christian Giraldo 12/14/2021
Supervised By :Jagrut Upadhyay 12/14/2021



#89
Benzo(k)fluoranthene
Concen: 3.592 ng m
RT: 22.974 min Scan# 3398
Delta R.T. -0.023 min
Lab File: BP008385.D
Acq: 13 Dec 2021 20:07

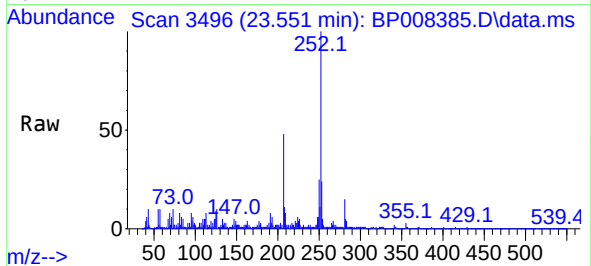
Tgt Ion:252 Resp: 95995
Ion Ratio Lower Upper
252 100
253 25.5 17.3 25.9
125 10.1 6.5 9.7





#90
Benzo(a)pyrene
Concen: 8.767 ng
RT: 23.551 min Scan# 34
Delta R.T. -0.018 min
Lab File: BP008385.D
Acq: 13 Dec 2021 20:07

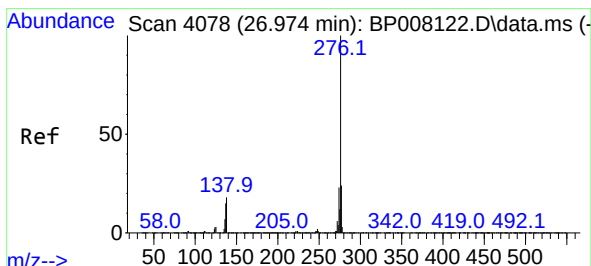
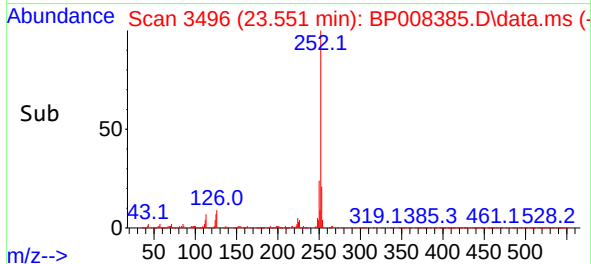
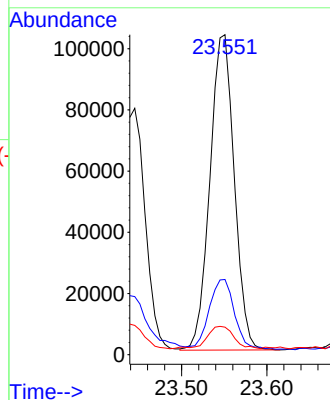
Instrument :
BNA_P
ClientSampleId :
P-2



Tgt Ion:252 Resp: 204530
Ion Ratio Lower Upper
252 100
253 23.5 17.6 26.4
125 8.6 7.4 11.0

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Reviewed By :Christian Giraldo 12/14/2021
Supervised By :Jagrut Upadhyay 12/14/2021



#92
Benzo(g,h,i)perylene
Concen: 6.100 ng
RT: 26.886 min Scan# 4063
Delta R.T. -0.035 min
Lab File: BP008385.D
Acq: 13 Dec 2021 20:07

Tgt Ion:276 Resp: 168359
Ion Ratio Lower Upper
276 100
277 25.9 20.0 30.0
138 15.7 14.1 21.1

