

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112321\
 Data File : BP008102.D
 Acq On : 23 Nov 2021 18:28
 Operator : CG/JU
 Sample : M4814-01 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PL-1-112221

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/24/2021
 Supervised By :Sohil Jodhani 11/30/2021

Quant Time: Nov 24 00:07:27 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 20 00:21:11 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.822	152	204390	20.000	ng	0.00
21) Naphthalene-d8	10.616	136	794992	20.000	ng	-0.01
39) Acenaphthene-d10	14.463	164	495499	20.000	ng	0.00
64) Phenanthrene-d10	17.221	188	919916	20.000	ng	0.00
76) Chrysene-d12	21.321	240	678035	20.000	ng	0.00
86) Perylene-d12	23.721	264	740009	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	284271	23.773	ng	0.00
7) Phenol-d6	6.998	99	379944	22.922	ng	-0.01
23) Nitrobenzene-d5	8.981	82	252194	14.391	ng	-0.01
42) 2,4,6-Tribromophenol	15.957	330	127604	20.349	ng	-0.01
45) 2-Fluorobiphenyl	13.086	172	532185	16.818	ng	0.00
79) Terphenyl-d14	19.792	244	568480	16.484	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.186	152	90782	2.084	ng	98
71) Phenanthrene	17.263	178	1277016	25.764	ng	99
72) Anthracene	17.357	178	355350	7.241	ng	100
73) Carbazole	17.627	167	102780	2.063	ng	97
75) Fluoranthene	19.239	202	1493027	23.371	ng	99
78) Pyrene	19.592	202	1427923	31.013	ng	99
81) Benzo(a)anthracene	21.304	228	697901	15.348	ng	98
83) Chrysene	21.357	228	652315	15.118	ng	97
87) Indeno(1,2,3-cd)pyrene	26.221	276	414055	8.063	ng	97
88) Benzo(b)fluoranthene	22.998	252	845807	18.281	ng	# 93
89) Benzo(k)fluoranthene	23.039	252	255228m	5.544	ng	
90) Benzo(a)pyrene	23.615	252	635181	16.381	ng	97
91) Dibenzo(a,h)anthracene	26.233	278	114598	2.681	ng	# 84
92) Benzo(g,h,i)perylene	26.997	276	414343	9.895	ng	98

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

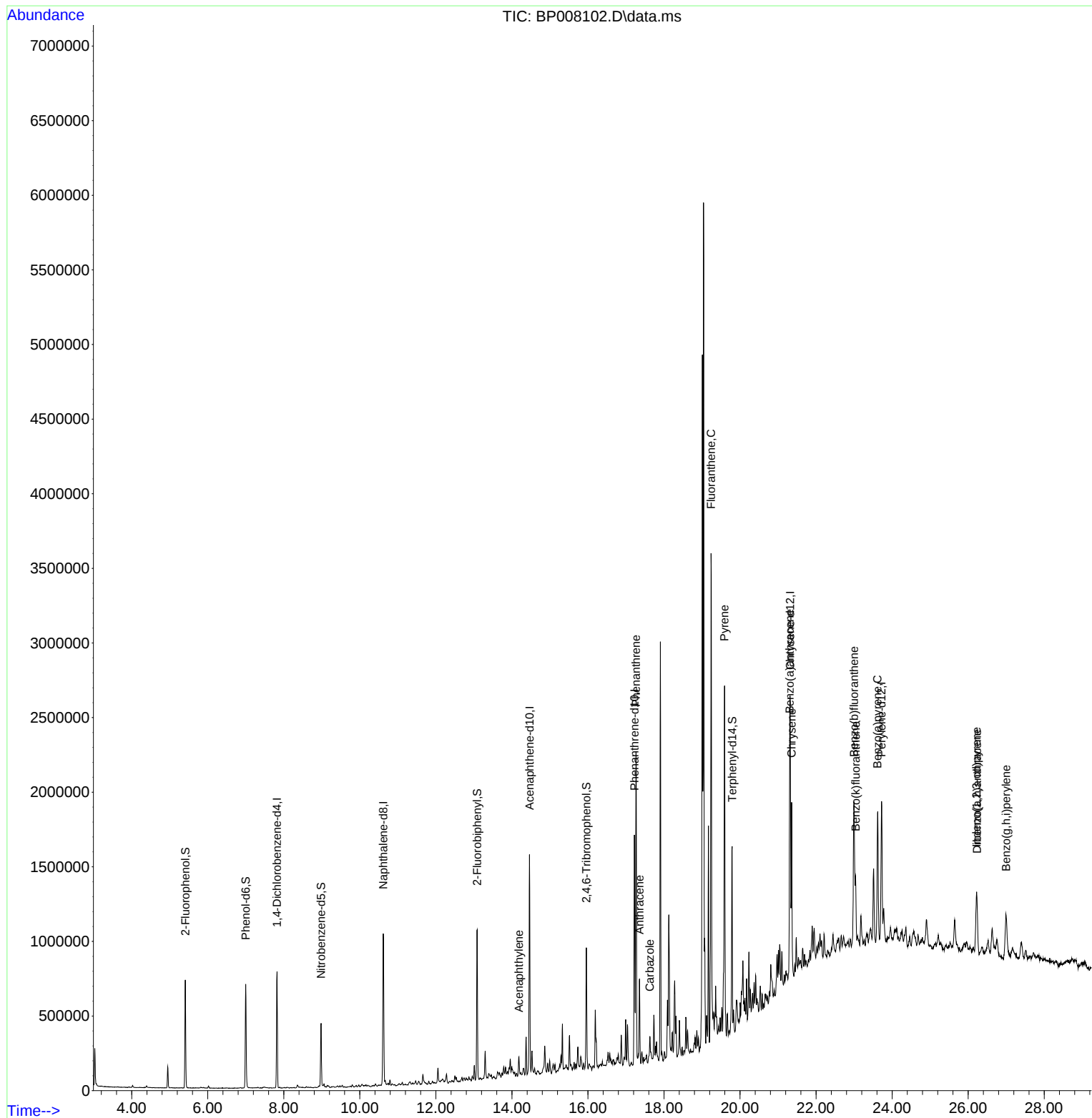
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112321\
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Misc :
ALS Vial : 10 Sample Multiplier: 1

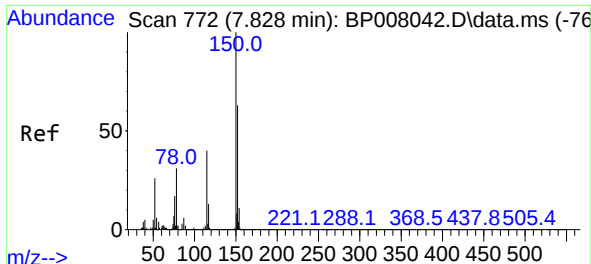
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Quant Time: Nov 24 00:07:27 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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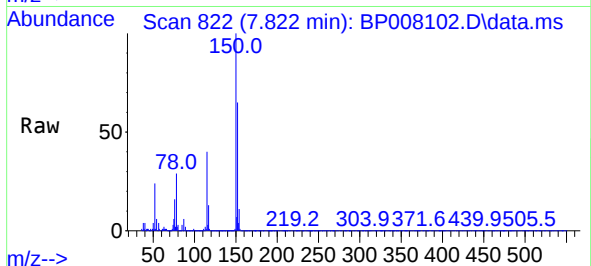
Reviewed By :Jagrut Upadhyay 11/24/2021
Supervised By :Sohil Jodhani 11/30/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.822 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP008102.D
Acq: 23 Nov 2021 18:28

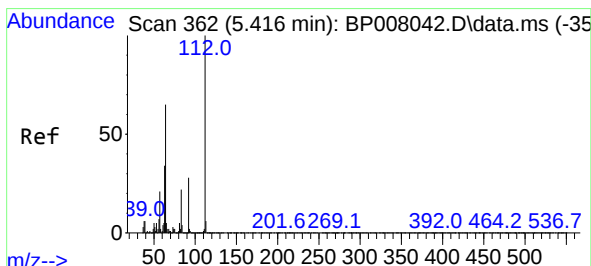
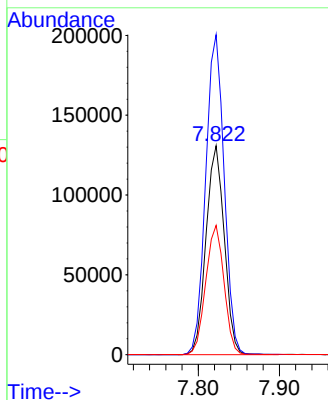
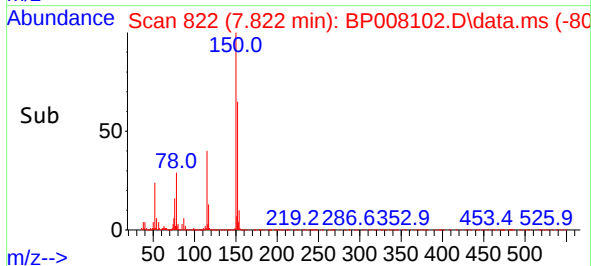
Instrument :
BNA_P
ClientSampleId :
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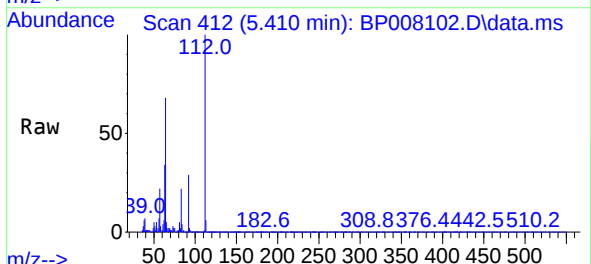
Tgt Ion:152 Resp: 204390
Ion Ratio Lower Upper
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150 153.2 126.5 189.7
115 61.9 50.6 75.8

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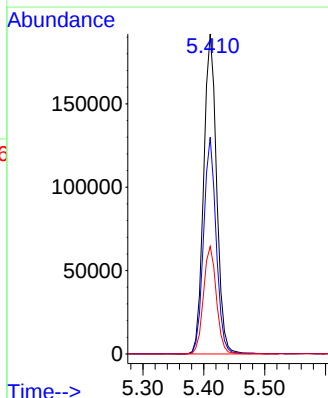
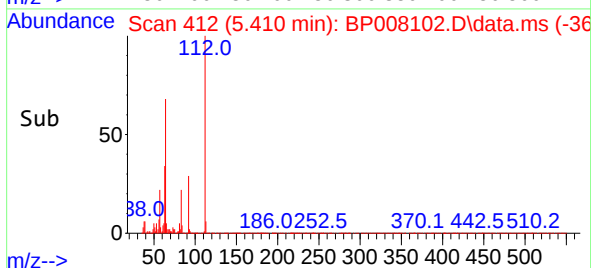
Reviewed By :Jagrut Upadhyay 11/24/2021
Supervised By :Sohil Jodhani 11/30/2021

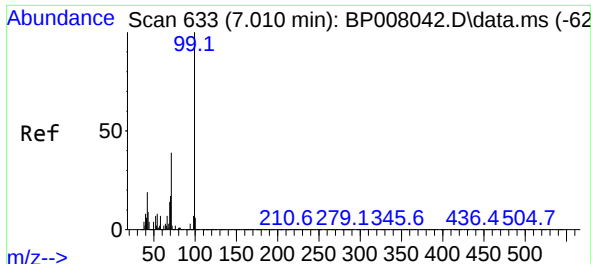


#5
2-Fluorophenol
Concen: 23.773 ng
RT: 5.410 min Scan# 412
Delta R.T. -0.006 min
Lab File: BP008102.D
Acq: 23 Nov 2021 18:28



Tgt Ion:112 Resp: 284271
Ion Ratio Lower Upper
112 100
64 67.7 51.7 77.5
63 33.6 27.4 41.0





#7
Phenol-d6
Concen: 22.922 ng
RT: 6.998 min Scan# 61
Delta R.T. -0.012 min
Lab File: BP008102.D
Acq: 23 Nov 2021 18:28

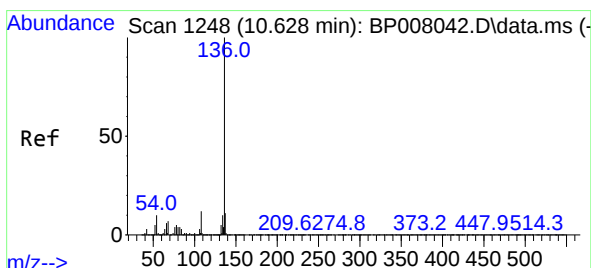
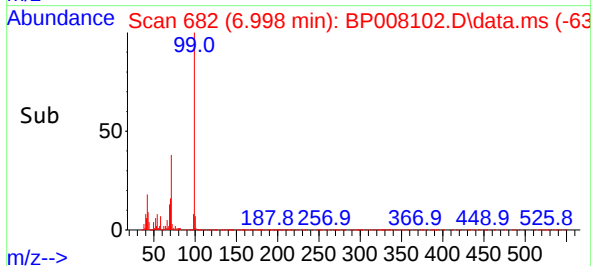
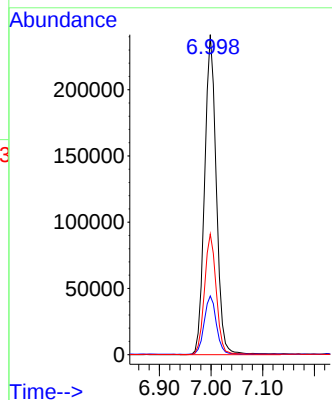
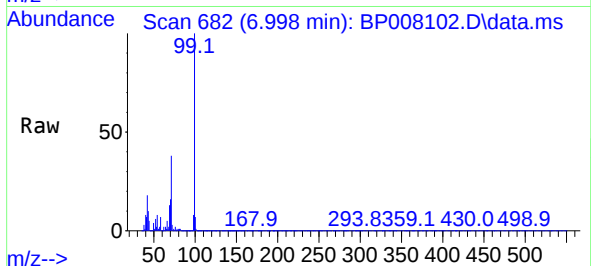
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ClientSampleId :
PL-1-112221

Tgt Ion: 99 Resp: 379944

Ion	Ratio	Lower	Upper
99	100		
42	18.4	15.4	23.2
71	37.7	31.0	46.6

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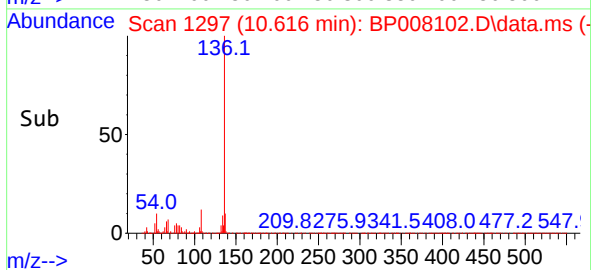
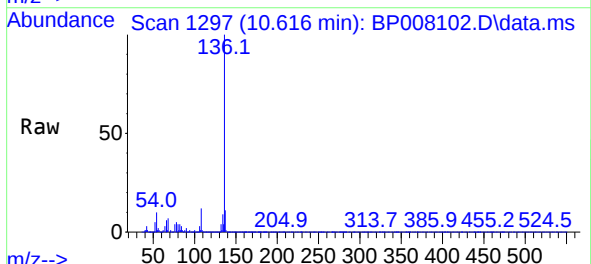
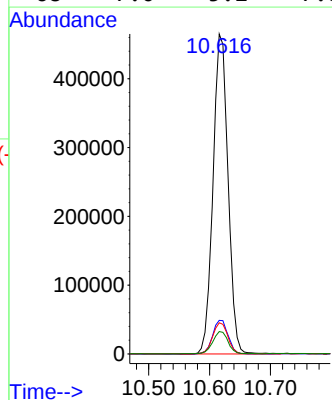
Reviewed By :Jagrut Upadhyay 11/24/2021
Supervised By :Sohil Jodhani 11/30/2021

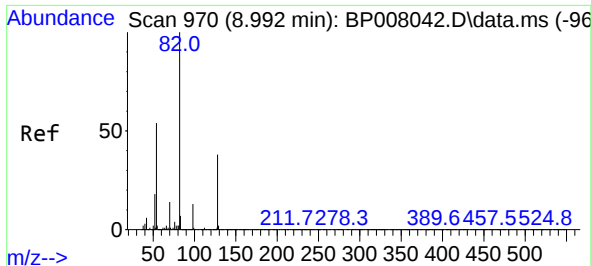


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.616 min Scan# 1297
Delta R.T. -0.012 min
Lab File: BP008102.D
Acq: 23 Nov 2021 18:28

Tgt Ion:136 Resp: 794992

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.7	13.1
54	9.7	8.0	12.0
68	7.0	5.2	7.8





#23

Nitrobenzene-d5

Concen: 14.391 ng

RT: 8.981 min Scan# 1019

Delta R.T. -0.011 min

Lab File: BP008102.D

Acq: 23 Nov 2021 18:28

Instrument :

BNA_P

ClientSampleId :

PL-1-112221

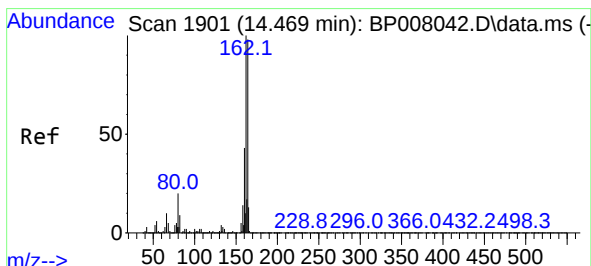
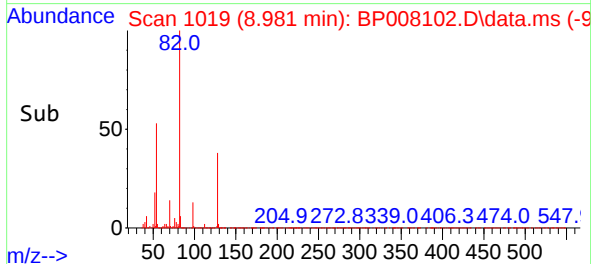
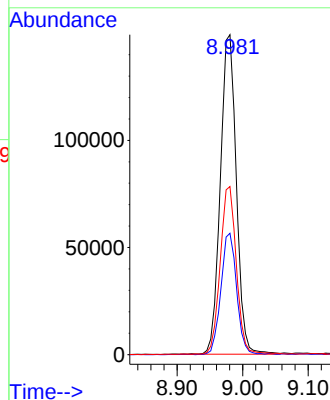
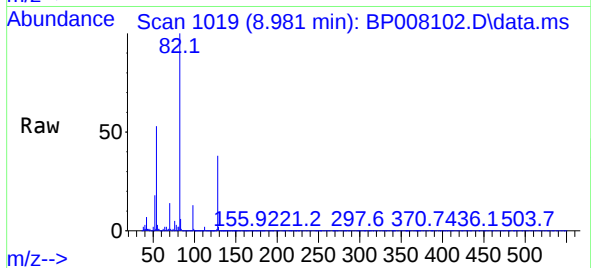
Tgt Ion: 82 Resp: 252194

Ion	Ratio	Lower	Upper
82	100		
128	37.9	30.2	45.2
54	52.6	43.1	64.7

Manual Integrations

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Supervised By :Sohil Jodhani 11/30/2021



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.463 min Scan# 1951

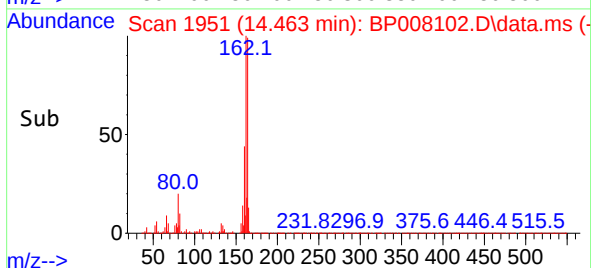
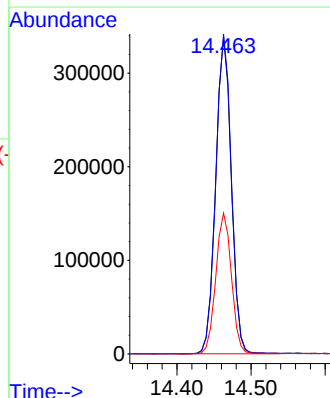
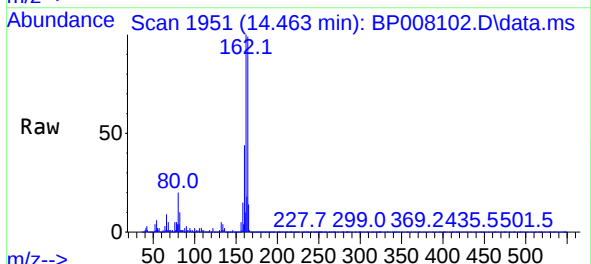
Delta R.T. -0.006 min

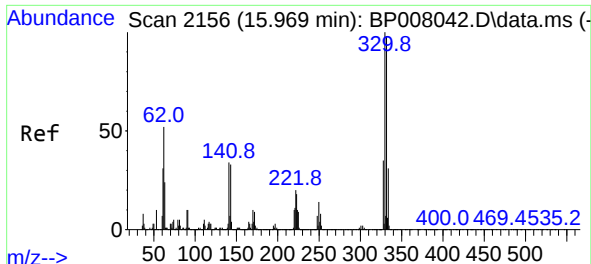
Lab File: BP008102.D

Acq: 23 Nov 2021 18:28

Tgt Ion:164 Resp: 495499

Ion	Ratio	Lower	Upper
164	100		
162	101.1	81.8	122.8
160	44.5	35.1	52.7





#42
2,4,6-Tribromophenol
Concen: 20.349 ng
RT: 15.957 min Scan# 2156
Delta R.T. -0.012 min
Lab File: BP008102.D
Acq: 23 Nov 2021 18:28

Instrument :

BNA_P

ClientSampleId :

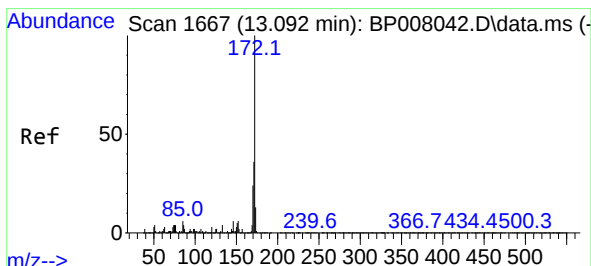
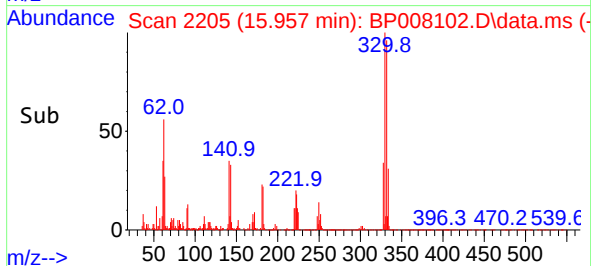
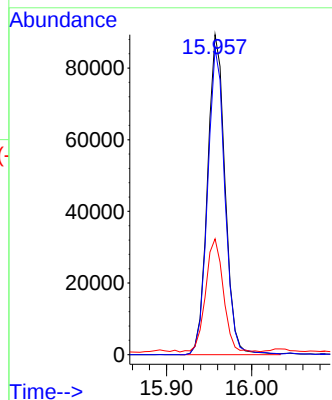
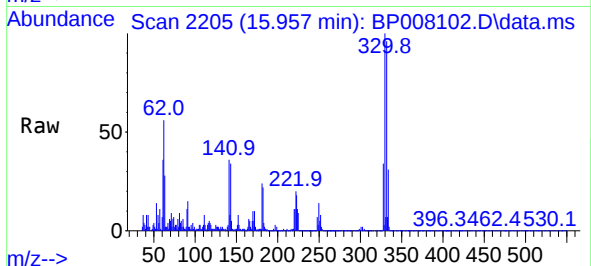
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Tgt Ion:330 Resp: 127604
Ion Ratio Lower Upper
330 100
332 94.8 78.0 117.0
141 35.8 29.6 44.4

Manual Integrations

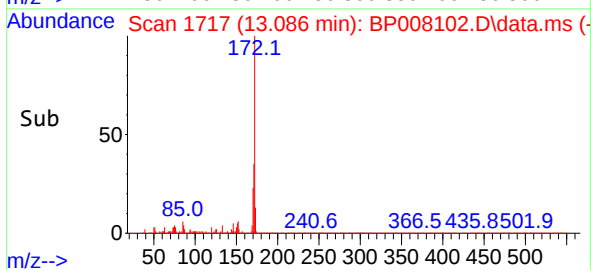
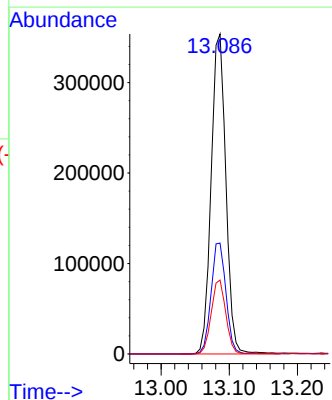
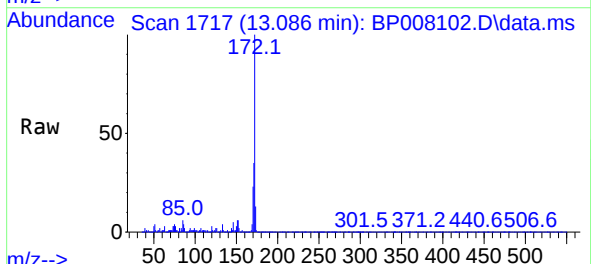
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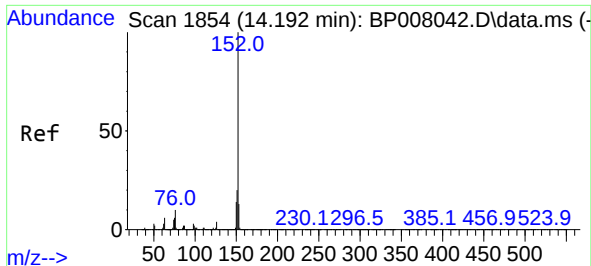
Reviewed By :Jagrut Upadhyay 11/24/2021
Supervised By :Sohil Jodhani 11/30/2021



#45
2-Fluorobiphenyl
Concen: 16.818 ng
RT: 13.086 min Scan# 1717
Delta R.T. -0.006 min
Lab File: BP008102.D
Acq: 23 Nov 2021 18:28

Tgt Ion:172 Resp: 532185
Ion Ratio Lower Upper
172 100
171 34.6 28.5 42.7
170 23.1 19.0 28.4





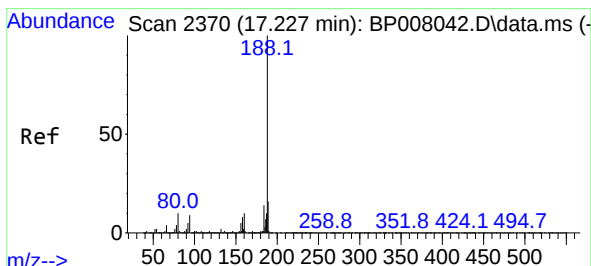
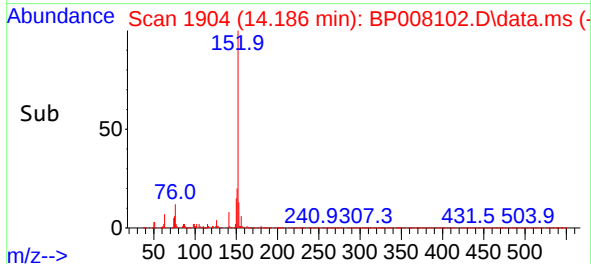
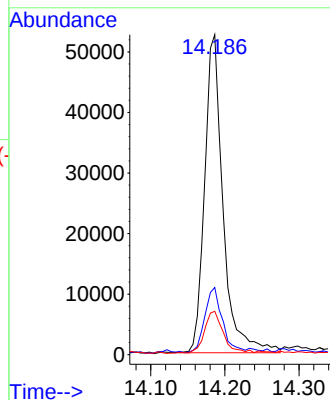
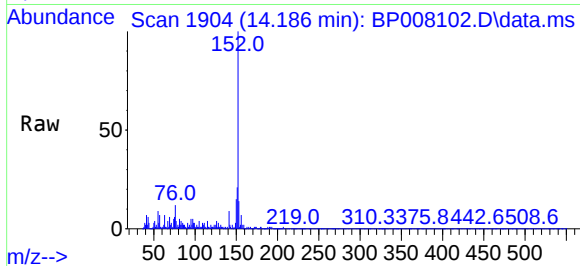
#49
Acenaphthylene
Concen: 2.084 ng
RT: 14.186 min Scan# 1904
Delta R.T. -0.006 min
Lab File: BP008102.D
Acq: 23 Nov 2021 18:28

Instrument :
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ClientSampleId :
PL-1-112221

Tgt Ion:152 Resp: 9078
Ion Ratio Lower Upper
152 100
151 21.0 15.8 23.8
153 13.5 10.5 15.7

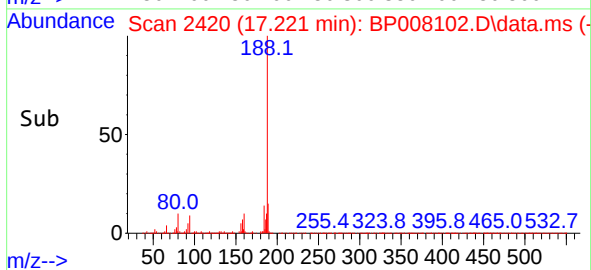
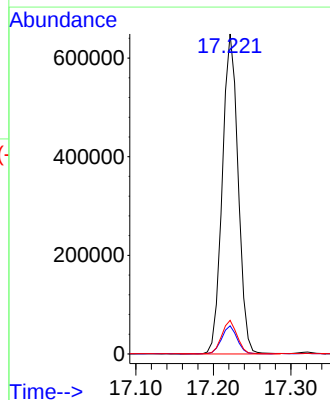
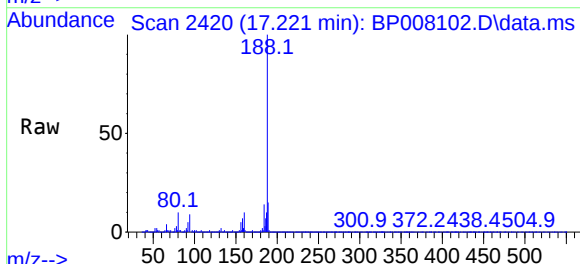
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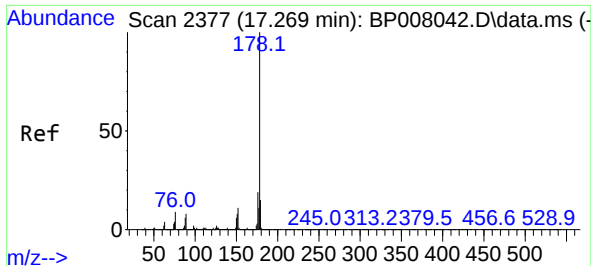
Reviewed By :Jagrut Upadhyay 11/24/2021
Supervised By :Sohil Jodhani 11/30/2021



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.221 min Scan# 2420
Delta R.T. -0.006 min
Lab File: BP008102.D
Acq: 23 Nov 2021 18:28

Tgt Ion:188 Resp: 919916
Ion Ratio Lower Upper
188 100
94 8.8 7.1 10.7
80 10.5 8.1 12.1





#71
Phenanthrene
Concen: 25.764 ng
RT: 17.263 min Scan# 2443
Delta R.T. -0.006 min
Lab File: BP008102.D
Acq: 23 Nov 2021 18:28

Instrument :

BNA_P

ClientSampleId :

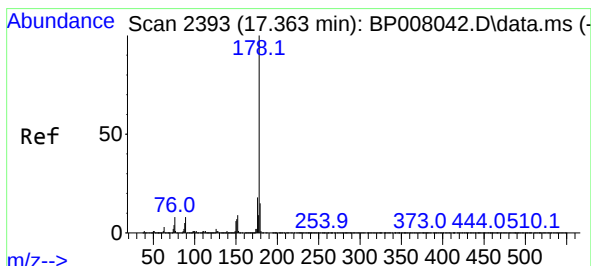
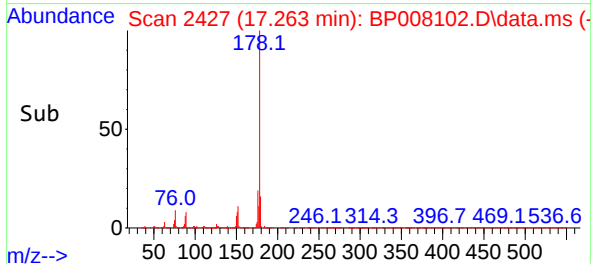
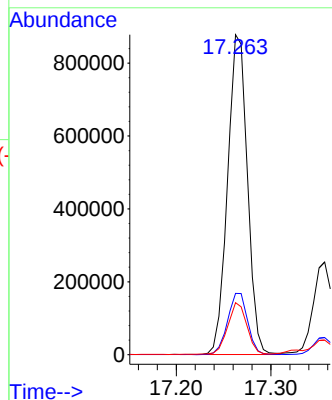
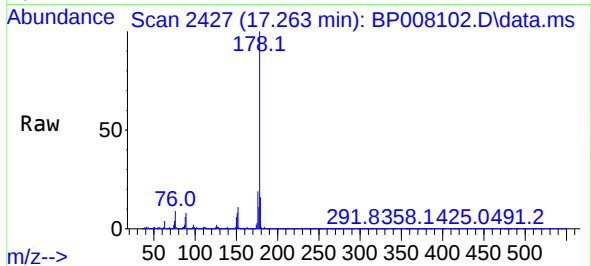
PL-1-112221

Tgt Ion:178 Resp: 1277010
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 16.2 12.4 18.6

Manual Integrations

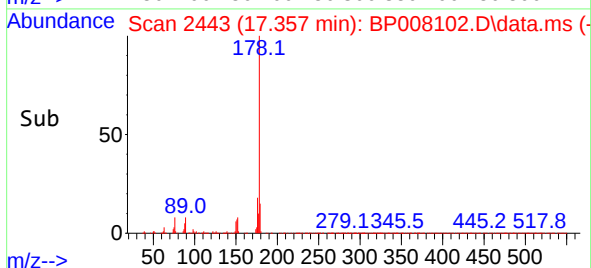
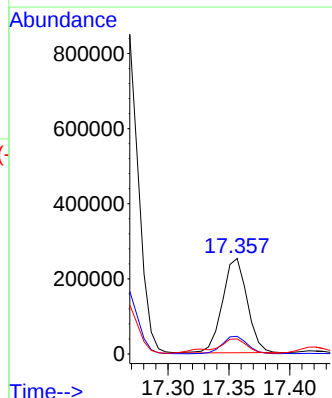
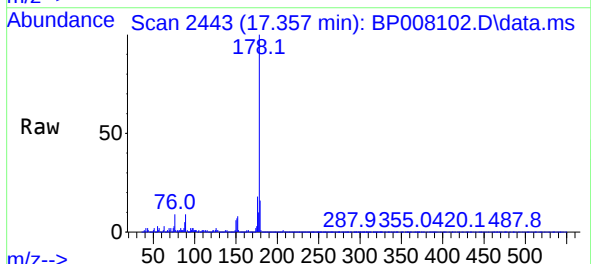
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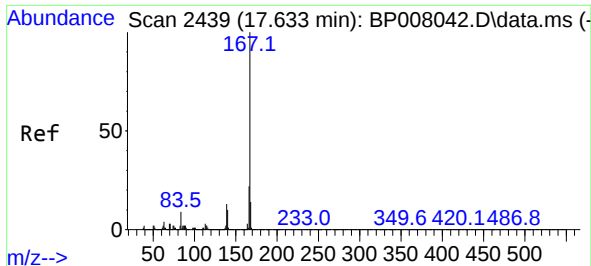
Reviewed By :Jagrut Upadhyay 11/24/2021
Supervised By :Sohil Jodhani 11/30/2021



#72
Anthracene
Concen: 7.241 ng
RT: 17.357 min Scan# 2443
Delta R.T. -0.006 min
Lab File: BP008102.D
Acq: 23 Nov 2021 18:28

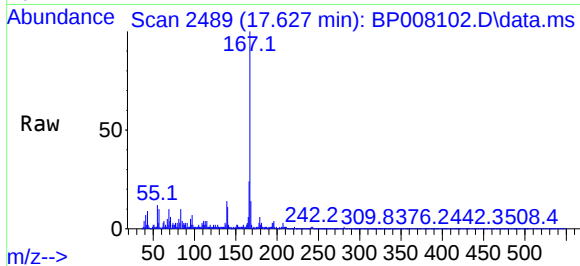
Tgt Ion:178 Resp: 355350
Ion Ratio Lower Upper
178 100
176 18.4 14.7 22.1
179 15.7 12.2 18.4





#73
 Carbazole
 Concen: 2.063 ng
 RT: 17.627 min Scan# 2439
 Delta R.T. -0.006 min
 Lab File: BP008102.D
 Acq: 23 Nov 2021 18:28

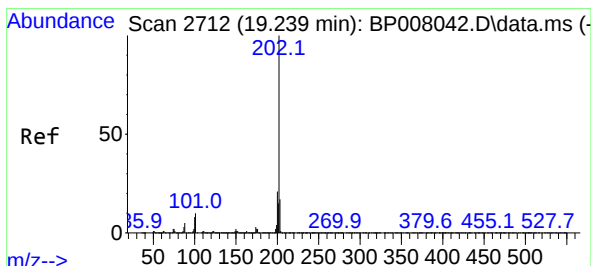
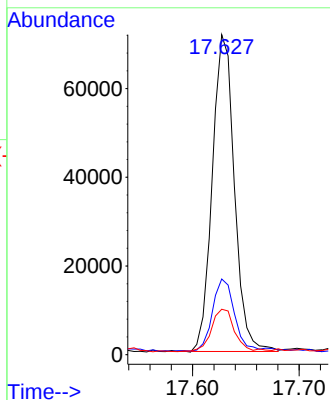
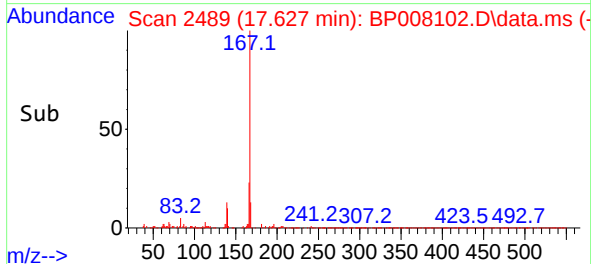
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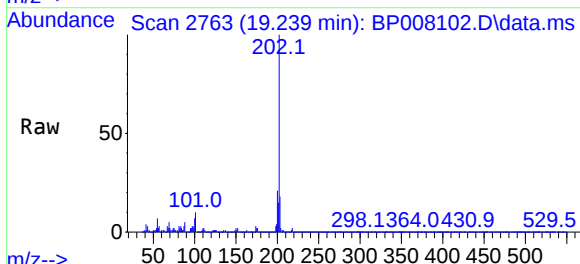
Tgt Ion:167 Resp: 102780
 Ion Ratio Lower Upper
 167 100
 166 23.6 17.5 26.3
 139 14.2 10.4 15.6

Manual Integrations
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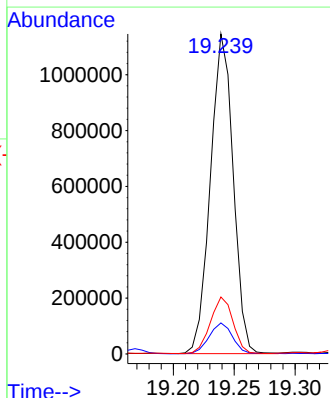
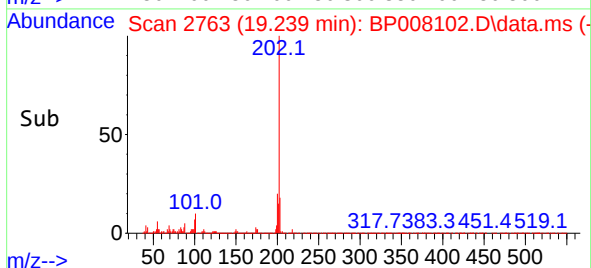
Reviewed By :Jagrut Upadhyay 11/24/2021
 Supervised By :Sohil Jodhani 11/30/2021

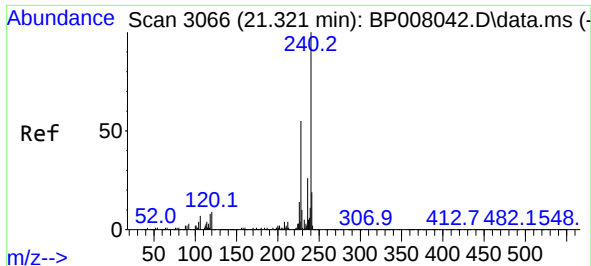


#75
 Fluoranthene
 Concen: 23.371 ng
 RT: 19.239 min Scan# 2763
 Delta R.T. 0.000 min
 Lab File: BP008102.D
 Acq: 23 Nov 2021 18:28



Tgt Ion:202 Resp: 1493027
 Ion Ratio Lower Upper
 202 100
 101 9.7 0.0 29.5
 203 17.8 0.0 37.3





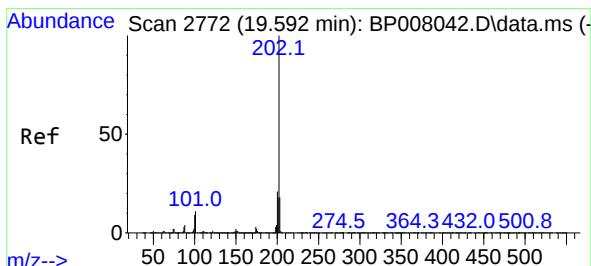
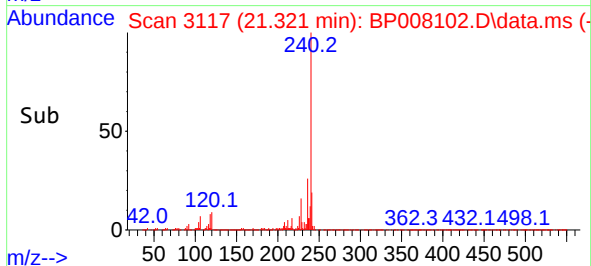
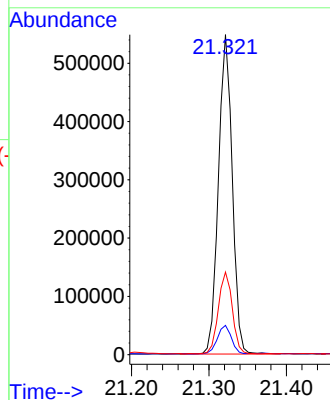
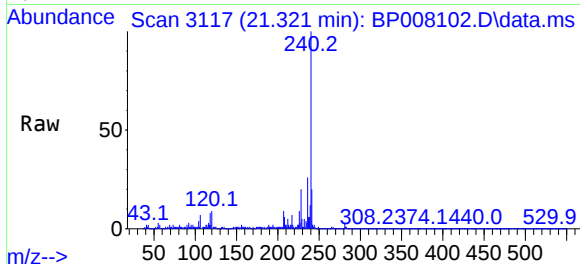
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.321 min Scan# 3066
Delta R.T. 0.000 min
Lab File: BP008102.D
Acq: 23 Nov 2021 18:28

Instrument :
BNA_P
ClientSampleId :
PL-1-112221

Tgt Ion:240 Resp: 678035
Ion Ratio Lower Upper
240 100
120 9.1 7.4 11.2
236 25.8 21.0 31.4

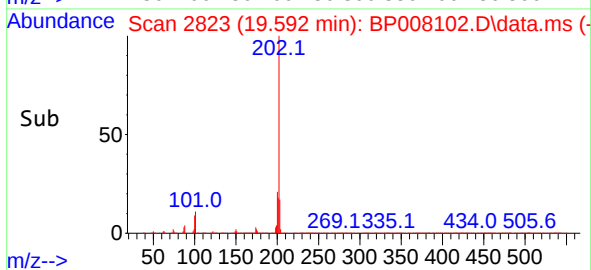
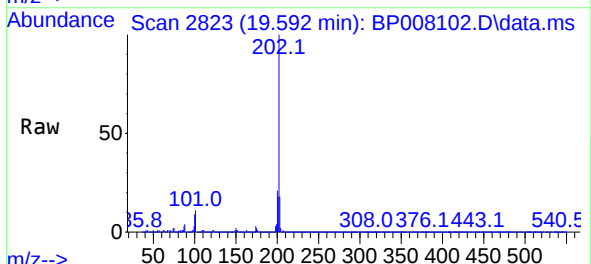
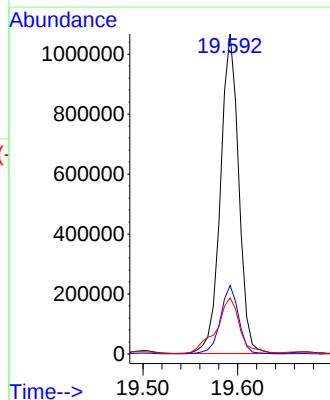
Manual Integrations
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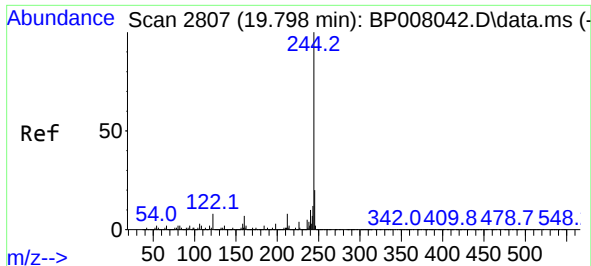
Reviewed By :Jagrut Upadhyay 11/24/2021
Supervised By :Sohil Jodhani 11/30/2021



#78
Pyrene
Concen: 31.013 ng
RT: 19.592 min Scan# 2823
Delta R.T. 0.000 min
Lab File: BP008102.D
Acq: 23 Nov 2021 18:28

Tgt Ion:202 Resp: 1427923
Ion Ratio Lower Upper
202 100
200 21.4 16.9 25.3
203 17.5 14.2 21.2





#79
Terphenyl-d14
Concen: 16.484 ng
RT: 19.792 min Scan# 2114
Delta R.T. -0.006 min
Lab File: BP008102.D
Acq: 23 Nov 2021 18:28

Instrument :

BNA_P

ClientSampleId :

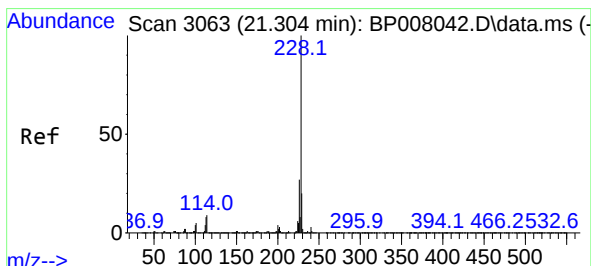
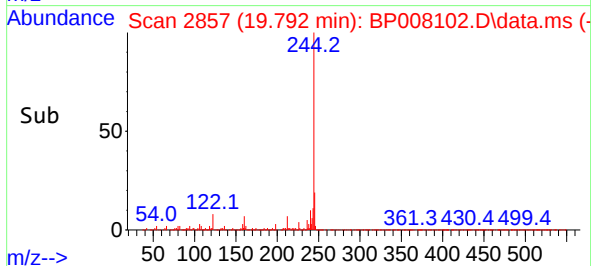
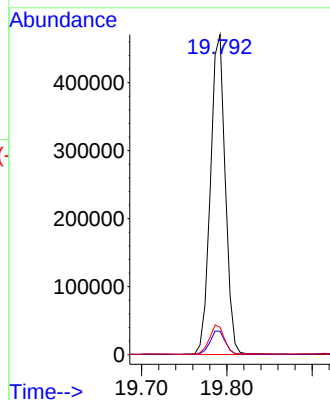
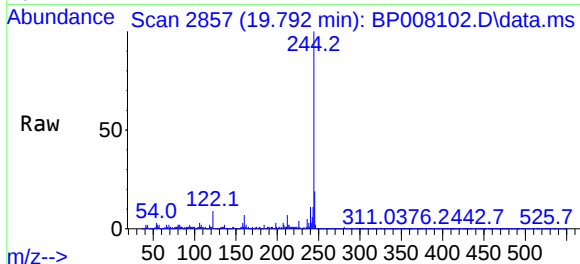
PL-1-112221

Tgt Ion:244 Resp: 568480
Ion Ratio Lower Upper
244 100
212 7.4 6.3 9.5
122 8.6 6.1 9.1

Manual Integrations

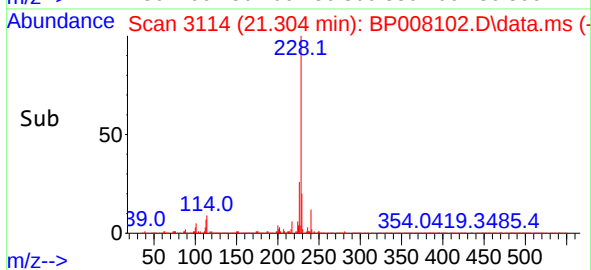
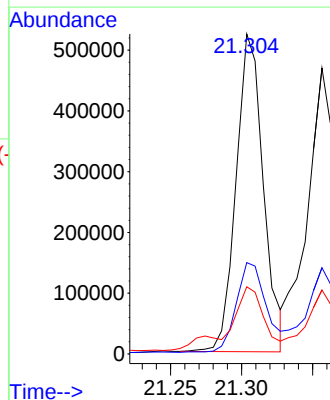
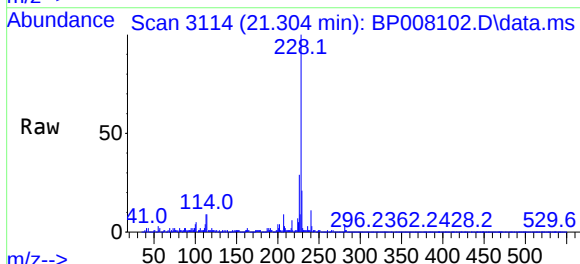
APPROVED

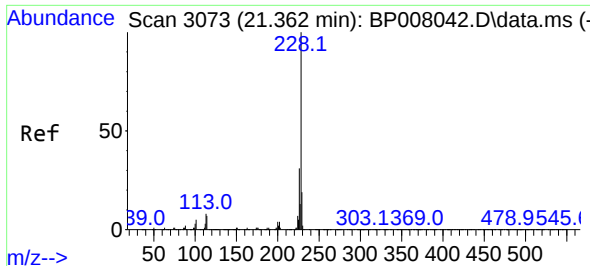
Reviewed By :Jagrut Upadhyay 11/24/2021
Supervised By :Sohil Jodhani 11/30/2021



#81
Benzo(a)anthracene
Concen: 15.348 ng
RT: 21.304 min Scan# 3114
Delta R.T. -0.000 min
Lab File: BP008102.D
Acq: 23 Nov 2021 18:28

Tgt Ion:228 Resp: 697901
Ion Ratio Lower Upper
228 100
226 28.6 21.8 32.6
229 21.0 16.1 24.1





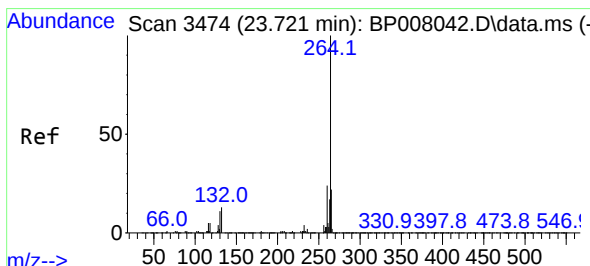
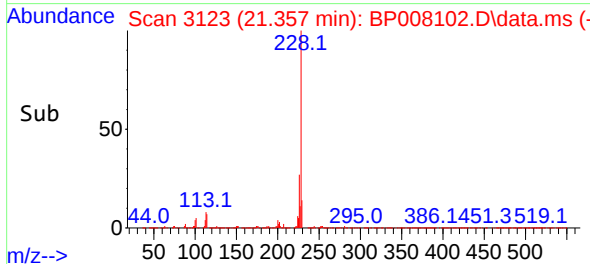
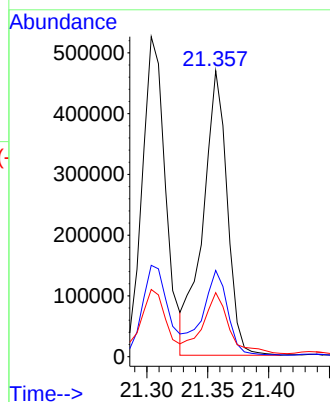
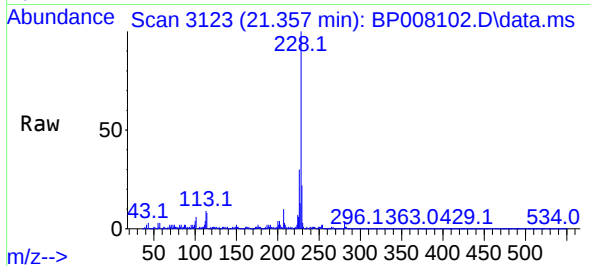
#83
Chrysene
Concen: 15.118 ng
RT: 21.357 min Scan# 3123
Delta R.T. -0.005 min
Lab File: BP008102.D
Acq: 23 Nov 2021 18:28

Instrument :
BNA_P
ClientSampleId :
PL-1-112221

Tgt Ion:228 Resp: 65231
Ion Ratio Lower Upper
228 100
226 30.2 24.5 36.7
229 22.4 15.5 23.3

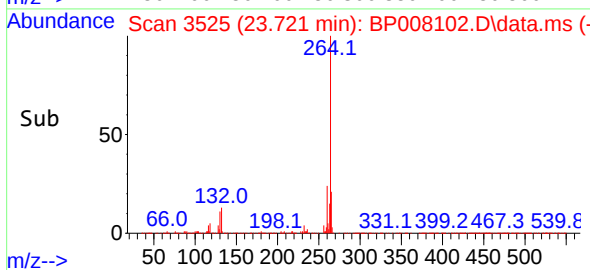
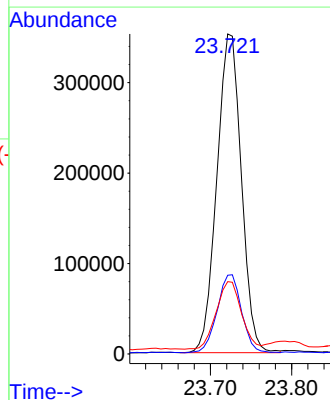
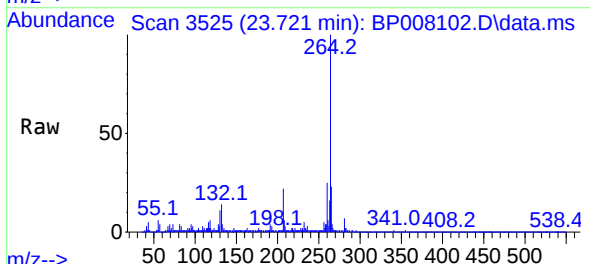
Manual Integrations
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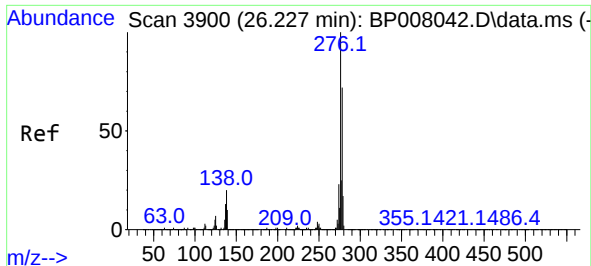
Reviewed By :Jagrut Upadhyay 11/24/2021
Supervised By :Sohil Jodhani 11/30/2021



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.721 min Scan# 3525
Delta R.T. -0.000 min
Lab File: BP008102.D
Acq: 23 Nov 2021 18:28

Tgt Ion:264 Resp: 740009
Ion Ratio Lower Upper
264 100
260 24.6 19.0 28.6
265 22.6 17.7 26.5





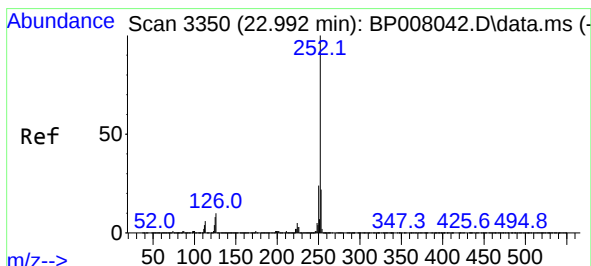
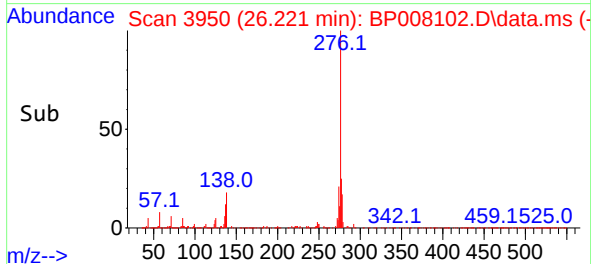
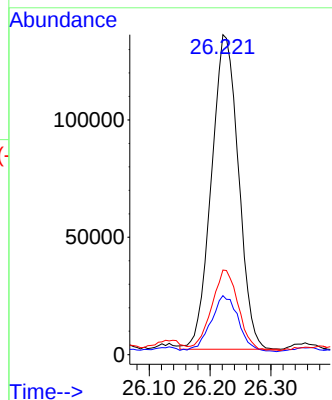
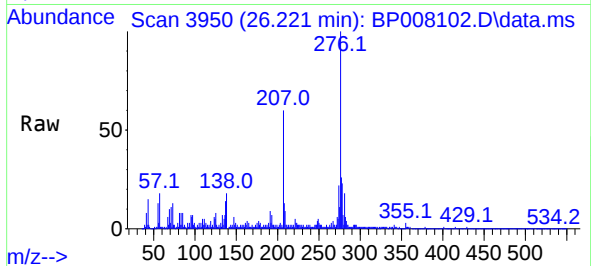
#87
Indeno(1,2,3-cd)pyrene
Concen: 8.063 ng
RT: 26.221 min Scan# 3402
Delta R.T. -0.006 min
Lab File: BP008102.D
Acq: 23 Nov 2021 18:28

Instrument :
BNA_P
ClientSampleId :
PL-1-112221

Tgt Ion: 276 Resp: 41405
Ion Ratio Lower Upper
276 100
138 18.2 16.5 24.7
277 25.6 20.2 30.4

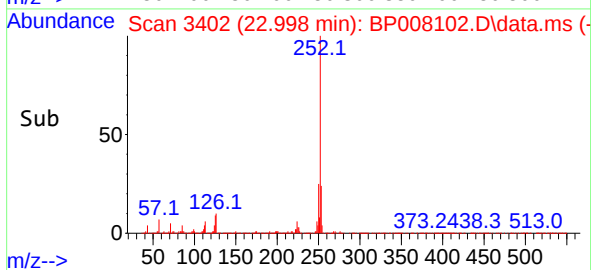
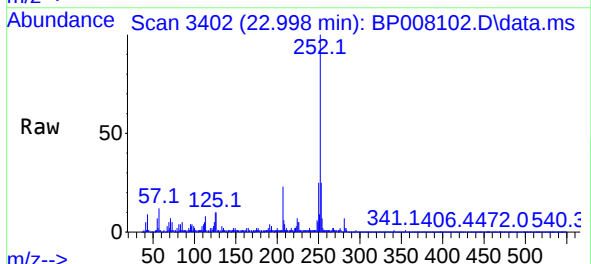
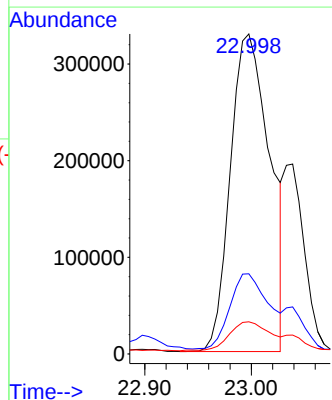
Manual Integrations
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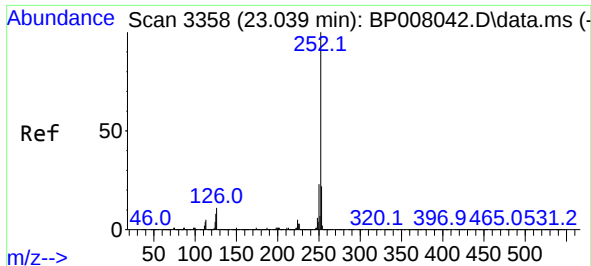
Reviewed By : Jagrut Upadhyay 11/24/2021
Supervised By : Sohil Jodhani 11/30/2021



#88
Benzo(b)fluoranthene
Concen: 18.281 ng
RT: 22.998 min Scan# 3402
Delta R.T. 0.006 min
Lab File: BP008102.D
Acq: 23 Nov 2021 18:28

Tgt Ion: 252 Resp: 845807
Ion Ratio Lower Upper
252 100
253 25.0 17.4 26.2
125 10.1 6.1 9.1#





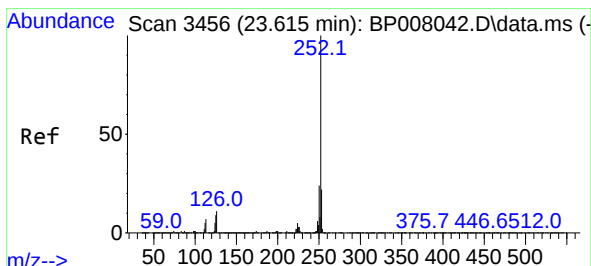
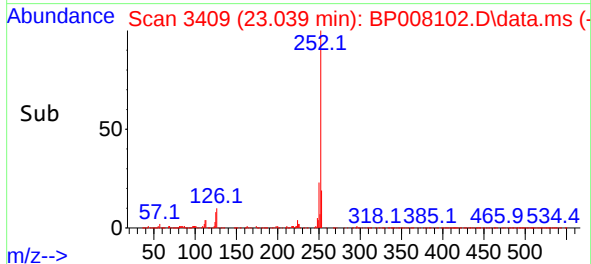
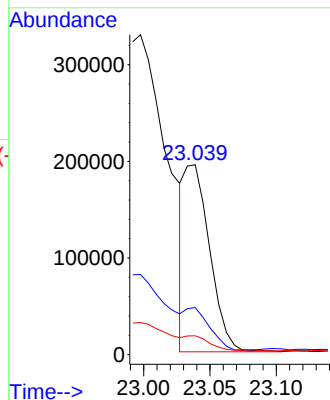
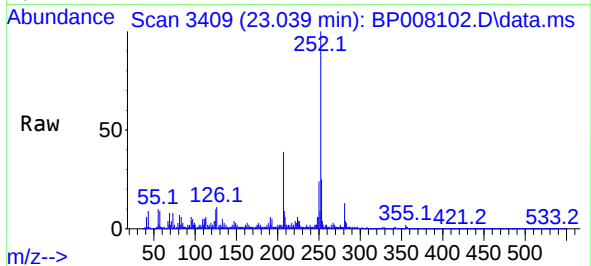
#89
Benzo(k)fluoranthene
Concen: 5.544 ng m
RT: 23.039 min Scan# 34
Delta R.T. -0.000 min
Lab File: BP008102.D
Acq: 23 Nov 2021 18:28

Instrument :
BNA_P
ClientSampleId :
PL-1-112221

Tgt Ion:252 Resp: 255228
Ion Ratio Lower Upper
252 100
253 24.8 17.4 26.0
125 10.0 6.2 9.4

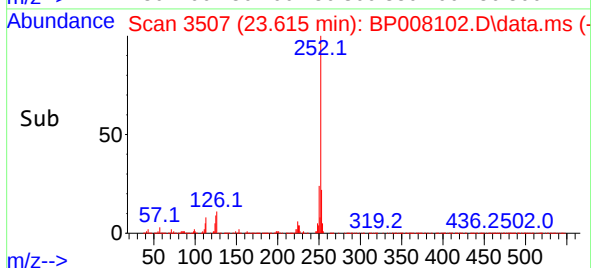
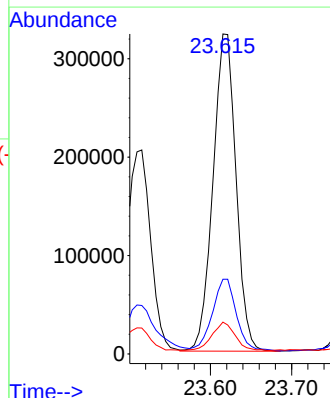
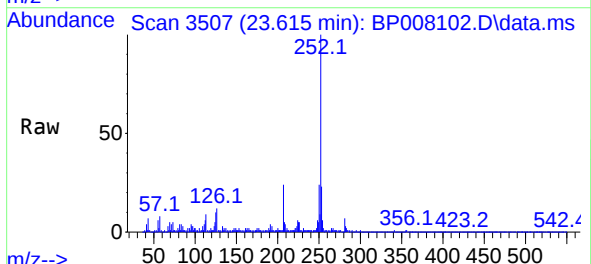
Manual Integrations
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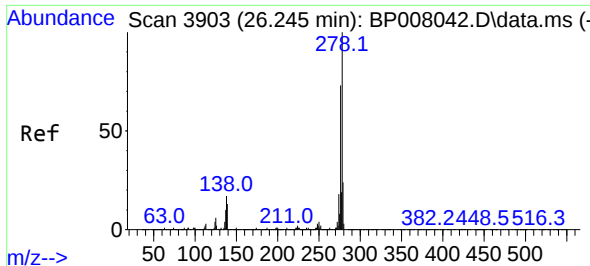
Reviewed By :Jagrut Upadhyay 11/24/2021
Supervised By :Sohil Jodhani 11/30/2021



#90
Benzo(a)pyrene
Concen: 16.381 ng
RT: 23.615 min Scan# 3507
Delta R.T. 0.000 min
Lab File: BP008102.D
Acq: 23 Nov 2021 18:28

Tgt Ion:252 Resp: 635181
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.2
125 10.0 7.4 11.2





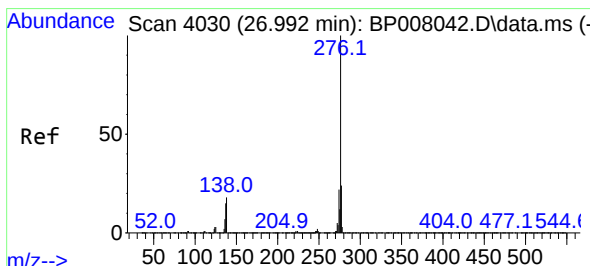
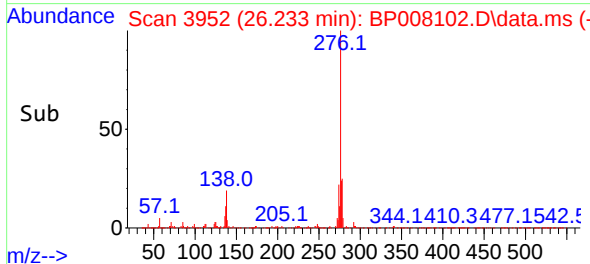
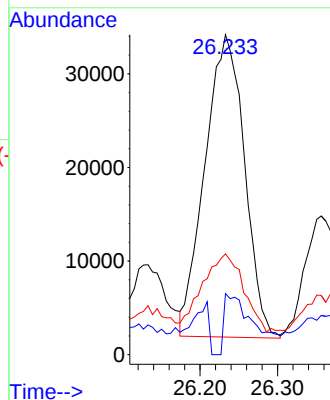
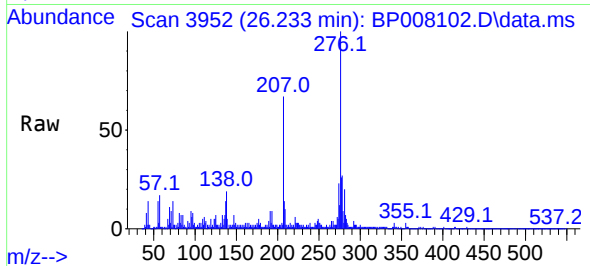
#91
Dibenzo(a,h)anthracene
Concen: 2.681 ng
RT: 26.233 min Scan# 3903
Delta R.T. -0.012 min
Lab File: BP008102.D
Acq: 23 Nov 2021 18:28

Instrument :
BNA_P
ClientSampleId :
PL-1-112221

Tgt Ion: 278 Resp: 114598
Ion Ratio Lower Upper
278 100
139 19.1 10.5 15.7
279 31.5 18.8 28.2

Manual Integrations
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Reviewed By : Jagrut Upadhyay 11/24/2021
Supervised By : Sohil Jodhani 11/30/2021



#92
Benzo(g,h,i)perylene
Concen: 9.895 ng
RT: 26.997 min Scan# 4082
Delta R.T. 0.005 min
Lab File: BP008102.D
Acq: 23 Nov 2021 18:28

Tgt Ion: 276 Resp: 414343
Ion Ratio Lower Upper
276 100
277 24.6 19.0 28.6
138 18.6 14.2 21.2

