

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112321\
 Data File : BP008105.D
 Acq On : 23 Nov 2021 20:10
 Operator : CG/JU
 Sample : M4796-01 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EO-03-111921

Quant Time: Nov 24 00:08:18 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.822	152	146850	20.000	ng	0.00
21) Naphthalene-d8	10.622	136	584368	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	409162	20.000	ng	0.00
64) Phenanthrene-d10	17.228	188	906435	20.000	ng	0.00
76) Chrysene-d12	21.321	240	704073	20.000	ng	0.00
86) Perylene-d12	23.727	264	720219	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.411	112	191457	22.285	ng	0.00
7) Phenol-d6	7.005	99	260970	21.913	ng	0.00
23) Nitrobenzene-d5	8.981	82	173731	13.487	ng	-0.01
42) 2,4,6-Tribromophenol	15.963	330	115392	22.285	ng	0.00
45) 2-Fluorobiphenyl	13.087	172	399913	15.304	ng	0.00
79) Terphenyl-d14	19.792	244	611389	17.073	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.187	152	195074	5.423	ng	98
71) Phenanthrene	17.269	178	398937	8.168	ng	99
72) Anthracene	17.357	178	188413	3.897	ng	99
75) Fluoranthene	19.239	202	1026750	16.311	ng	99
78) Pyrene	19.592	202	981401	20.526	ng	99
81) Benzo(a)anthracene	21.310	228	540142	11.439	ng	95
83) Chrysene	21.363	228	505382m	11.279	ng	
87) Indeno(1,2,3-cd)pyrene	26.233	276	346039	6.924	ng	97
88) Benzo(b)fluoranthene	22.998	252	705603	15.669	ng	# 95
89) Benzo(k)fluoranthene	23.039	252	251813m	5.620	ng	
90) Benzo(a)pyrene	23.621	252	522790	13.853	ng	97
91) Dibenzo(a,h)anthracene	26.239	278	98644	2.371	ng	# 79
92) Benzo(g,h,i)perylene	27.003	276	315697	7.747	ng	99

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

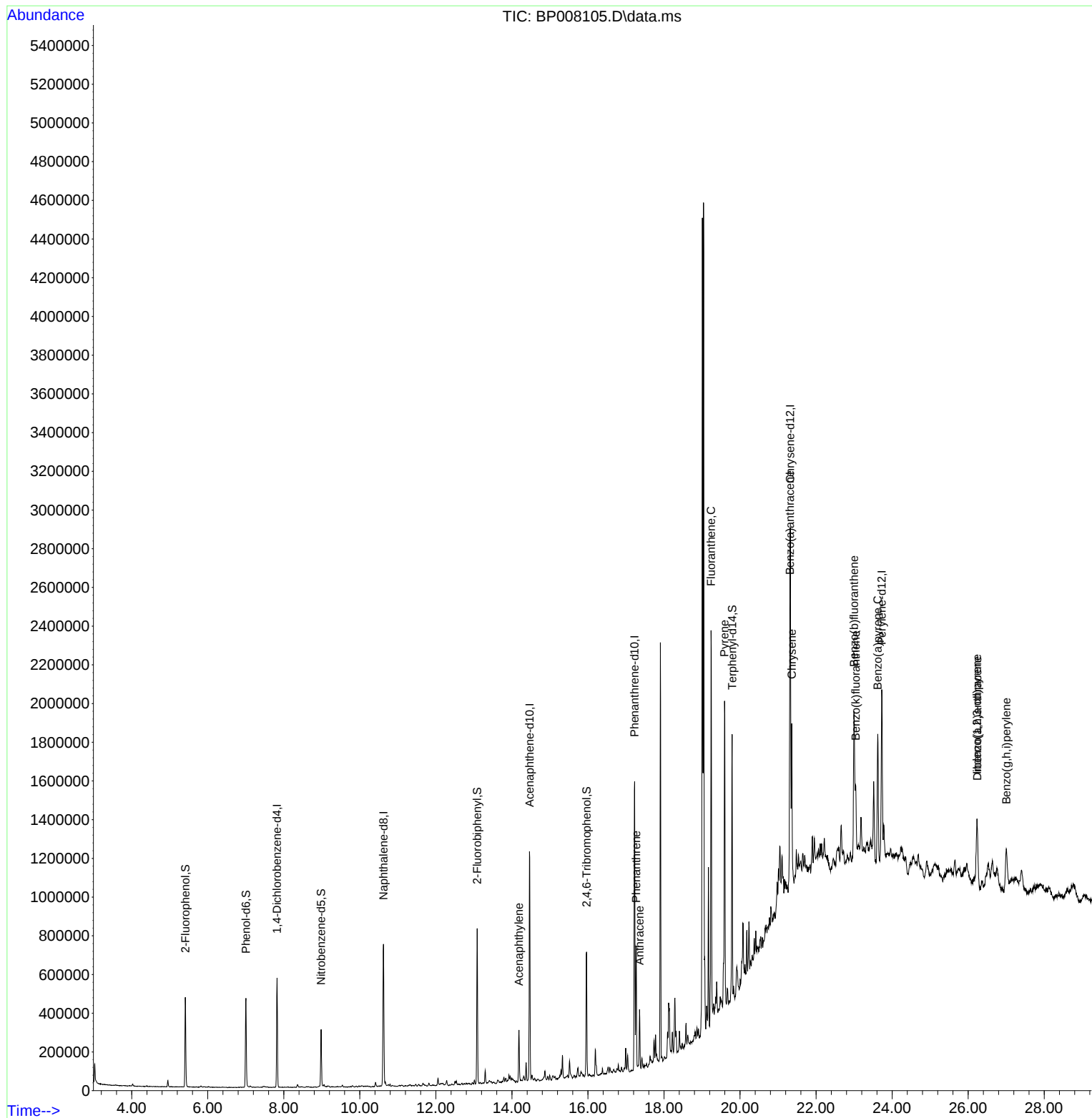
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Data File : BP008105.D
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ALS Vial : 13 Sample Multiplier: 1

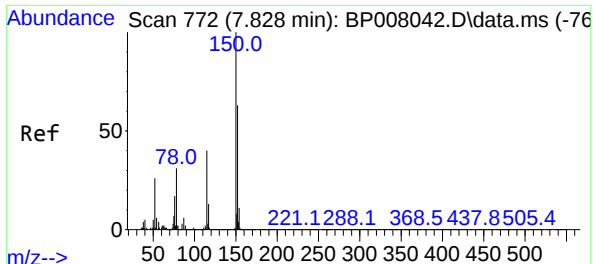
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BNA_P
ClientSampleId :
EO-03-111921

Quant Time: Nov 24 00:08:18 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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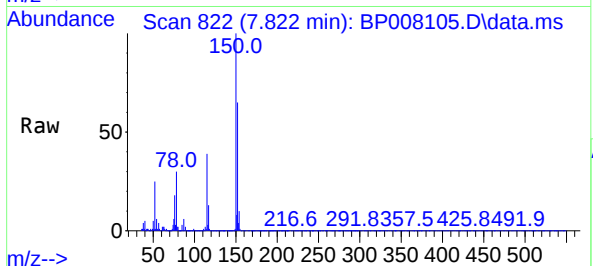
Reviewed By :Jagrut Upadhyay 11/24/2021
Supervised By :Sohil Jodhani 11/30/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.822 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP008105.D
Acq: 23 Nov 2021 20:10

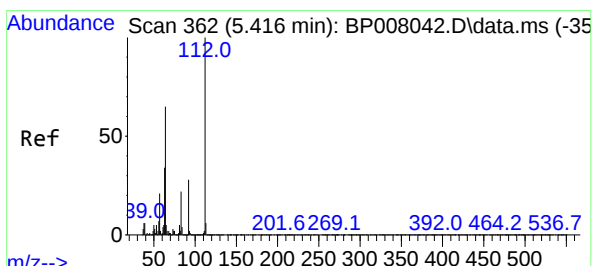
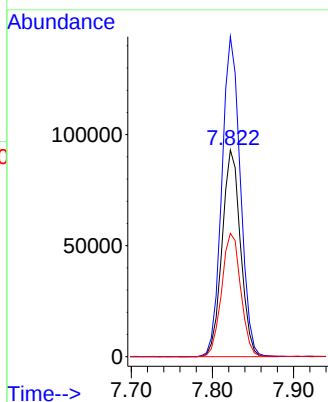
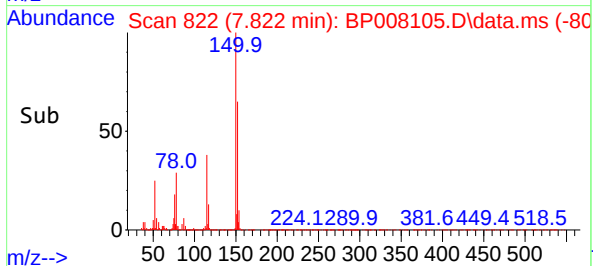
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BNA_P
ClientSampleId :
EO-03-111921



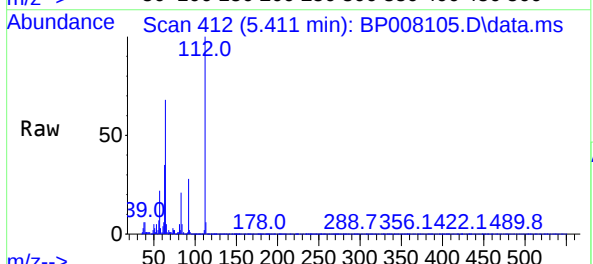
Tgt Ion:152 Resp: 146850
Ion Ratio Lower Upper
152 100
150 154.7 126.5 189.7
115 59.6 50.6 75.8

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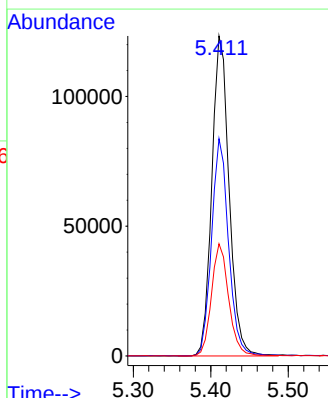
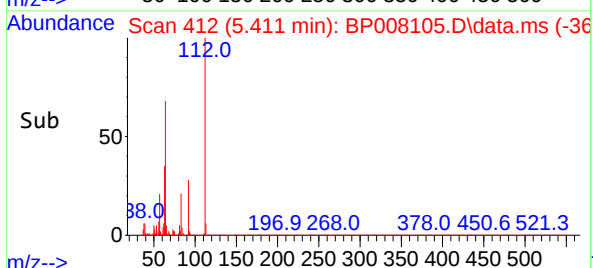
Reviewed By :Jagrut Upadhyay 11/24/2021
Supervised By :Sohil Jodhani 11/30/2021

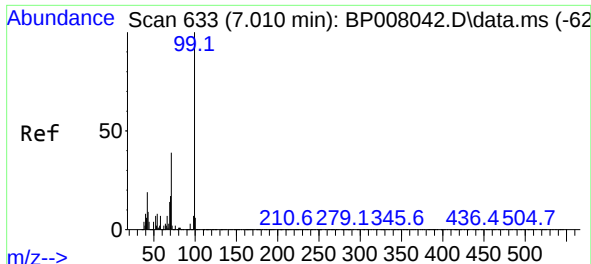


#5
2-Fluorophenol
Concen: 22.285 ng
RT: 5.411 min Scan# 412
Delta R.T. -0.005 min
Lab File: BP008105.D
Acq: 23 Nov 2021 20:10



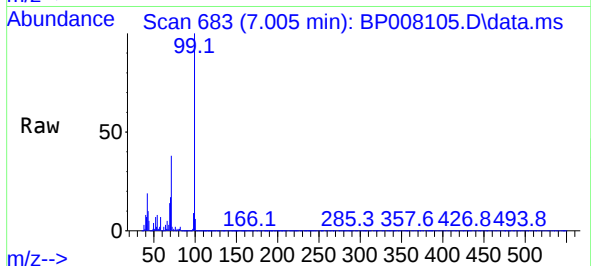
Tgt Ion:112 Resp: 191457
Ion Ratio Lower Upper
112 100
64 67.9 51.7 77.5
63 35.0 27.4 41.0





#7
Phenol-d6
Concen: 21.913 ng
RT: 7.005 min Scan# 61
Delta R.T. -0.005 min
Lab File: BP008105.D
Acq: 23 Nov 2021 20:10

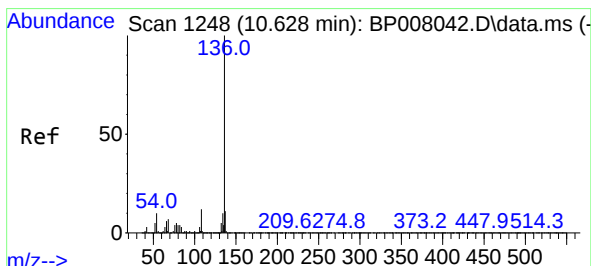
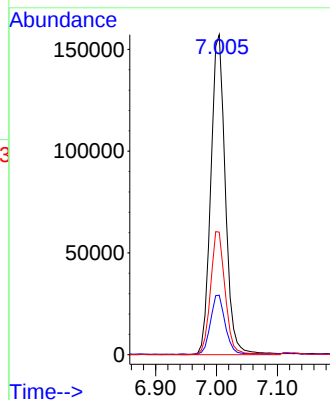
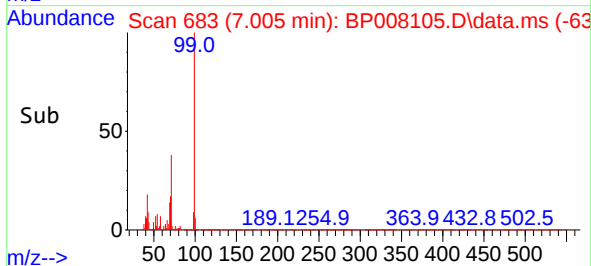
Instrument :
BNA_P
ClientSampleId :
EO-03-111921



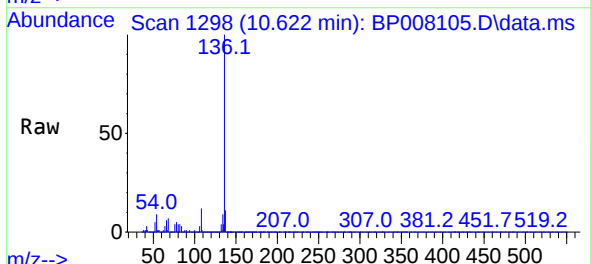
Tgt Ion: 99 Resp: 260970
Ion Ratio Lower Upper
99 100
42 18.6 15.4 23.2
71 38.3 31.0 46.6

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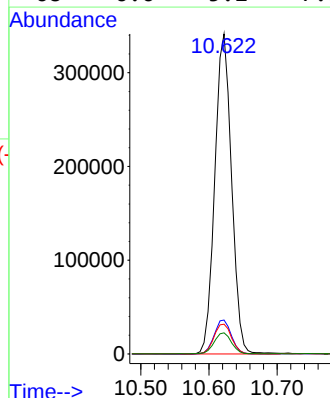
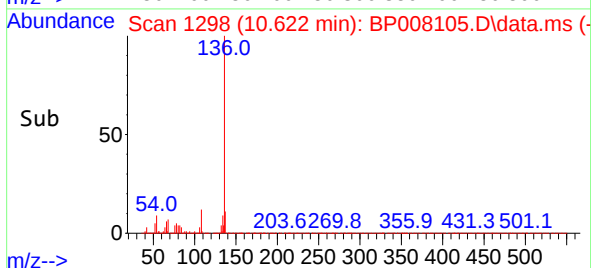
Reviewed By :Jagrut Upadhyay 11/24/2021
Supervised By :Sohil Jodhani 11/30/2021

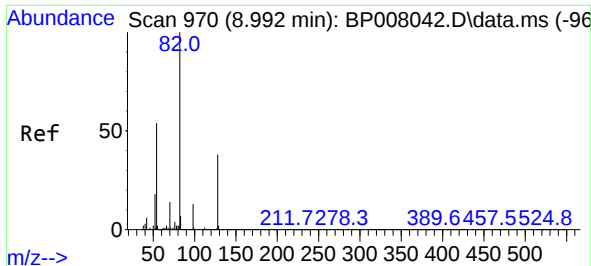


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.622 min Scan# 1298
Delta R.T. -0.006 min
Lab File: BP008105.D
Acq: 23 Nov 2021 20:10



Tgt Ion:136 Resp: 584368
Ion Ratio Lower Upper
136 100
137 10.6 8.7 13.1
54 9.3 8.0 12.0
68 6.6 5.2 7.8





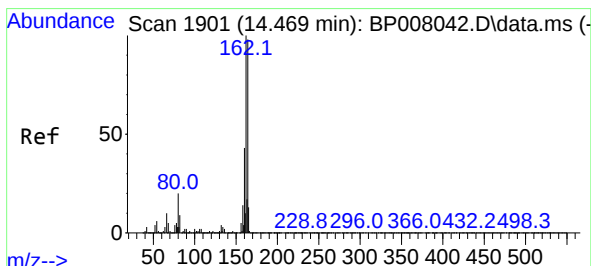
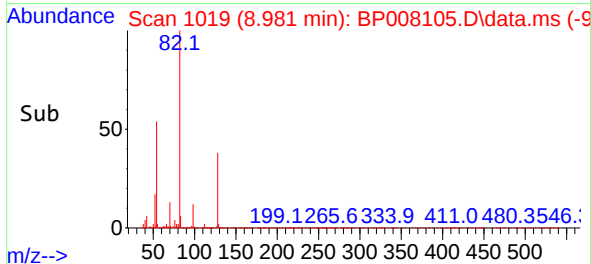
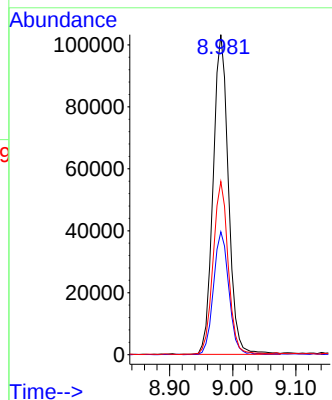
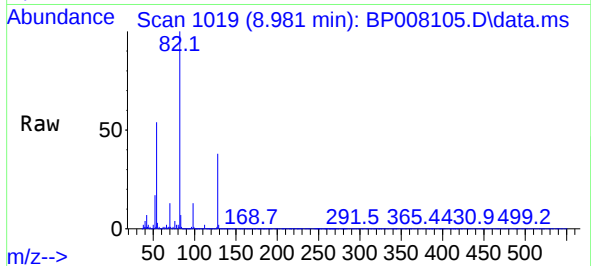
#23
Nitrobenzene-d5
Concen: 13.487 ng
RT: 8.981 min Scan# 1019
Delta R.T. -0.011 min
Lab File: BP008105.D
Acq: 23 Nov 2021 20:10

Instrument :
BNA_P
ClientSampleId :
EO-03-111921

Tgt Ion: 82 Resp: 17373
Ion Ratio Lower Upper
82 100
128 38.4 30.2 45.2
54 54.1 43.1 64.7

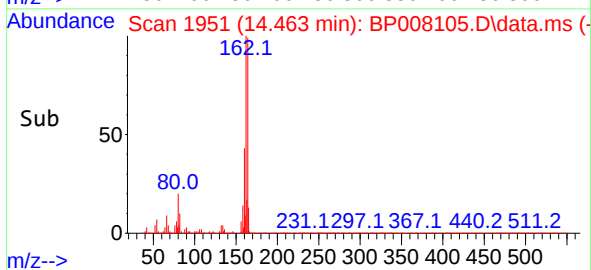
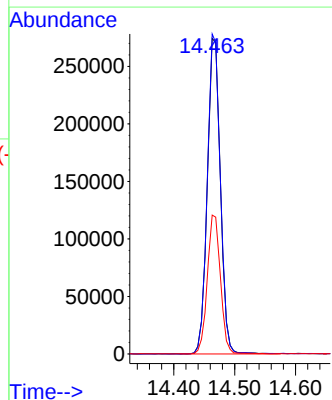
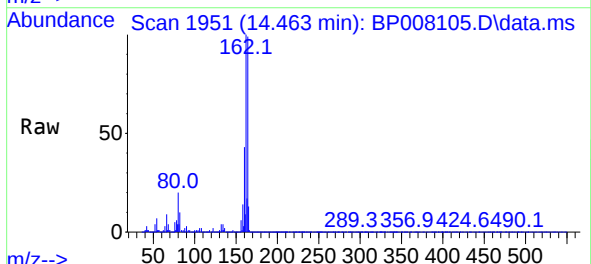
Manual Integrations
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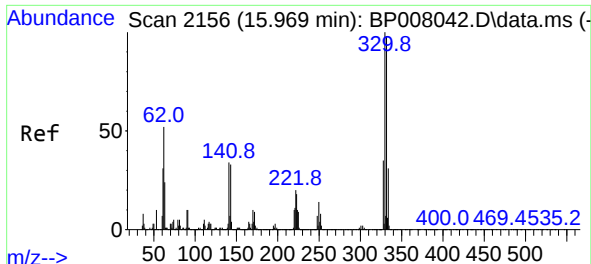
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Supervised By :Sohil Jodhani 11/30/2021



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1951
Delta R.T. -0.006 min
Lab File: BP008105.D
Acq: 23 Nov 2021 20:10

Tgt Ion:164 Resp: 409162
Ion Ratio Lower Upper
164 100
162 101.4 81.8 122.8
160 44.0 35.1 52.7





#42
2,4,6-Tribromophenol
Concen: 22.285 ng
RT: 15.963 min Scan# 2156
Delta R.T. -0.006 min
Lab File: BP008105.D
Acq: 23 Nov 2021 20:10

Instrument :

BNA_P

ClientSampleId :

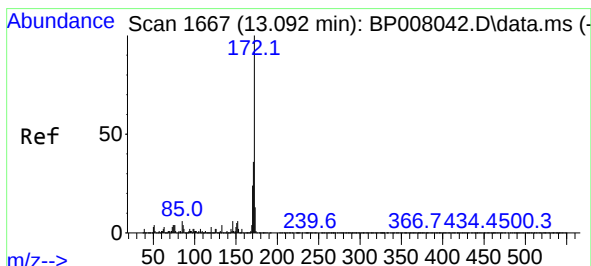
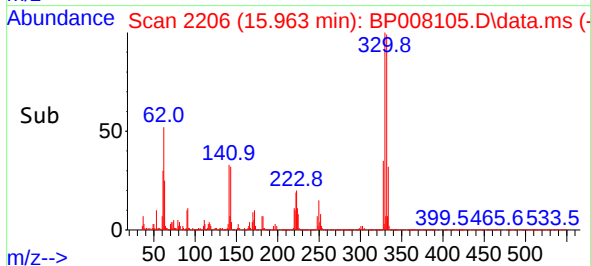
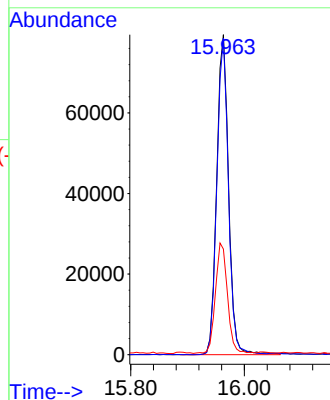
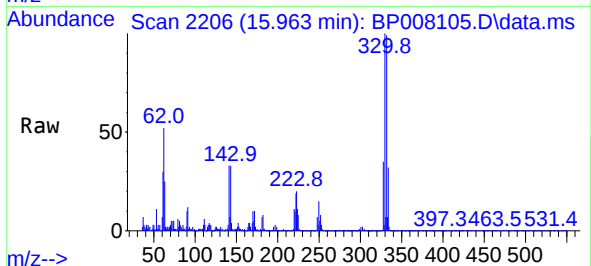
EO-03-111921

Tgt Ion: 330 Resp: 115392
Ion Ratio Lower Upper
330 100
332 96.1 78.0 117.0
141 34.9 29.6 44.4

Manual Integrations

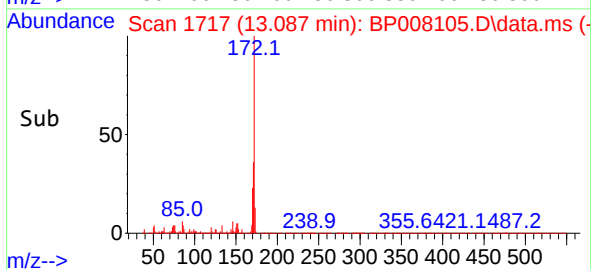
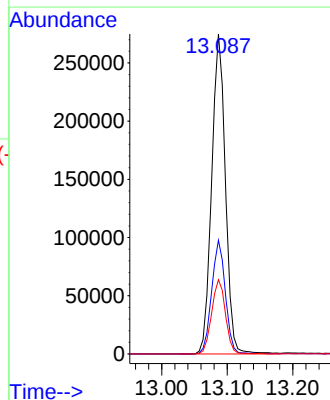
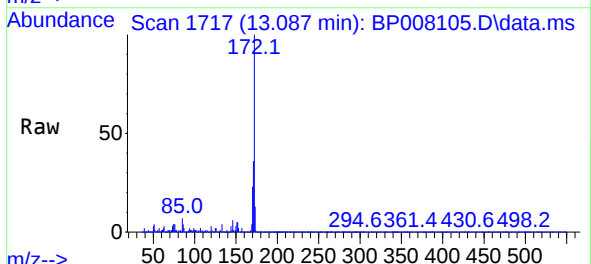
APPROVED

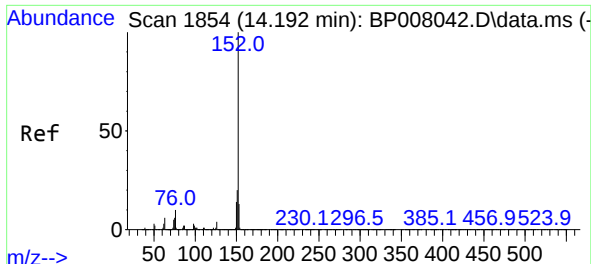
Reviewed By :Jagrut Upadhyay 11/24/2021
Supervised By :Sohil Jodhani 11/30/2021



#45
2-Fluorobiphenyl
Concen: 15.304 ng
RT: 13.087 min Scan# 1717
Delta R.T. -0.005 min
Lab File: BP008105.D
Acq: 23 Nov 2021 20:10

Tgt Ion: 172 Resp: 399913
Ion Ratio Lower Upper
172 100
171 35.6 28.5 42.7
170 23.2 19.0 28.4





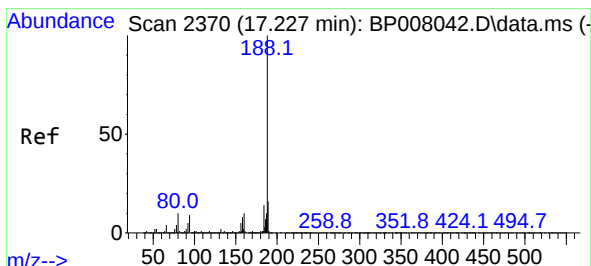
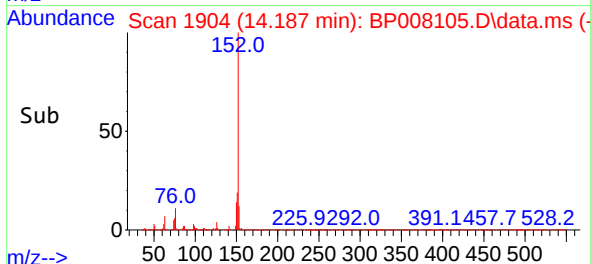
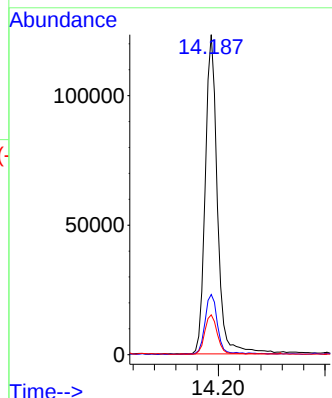
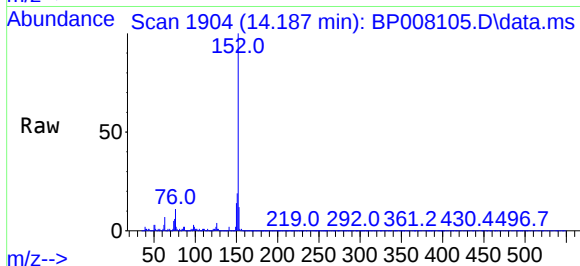
#49
Acenaphthylene
Concen: 5.423 ng
RT: 14.187 min Scan# 1904
Delta R.T. -0.006 min
Lab File: BP008105.D
Acq: 23 Nov 2021 20:10

Instrument :
BNA_P
ClientSampleId :
EO-03-111921

Tgt Ion:152 Resp: 195074
Ion Ratio Lower Upper
152 100
151 18.8 15.8 23.8
153 12.4 10.5 15.7

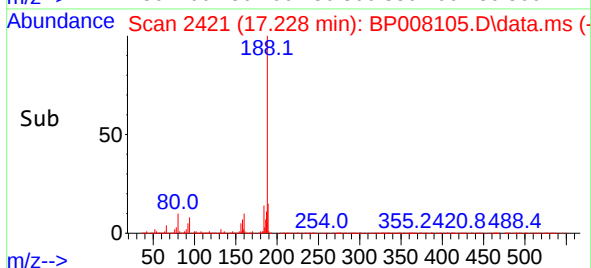
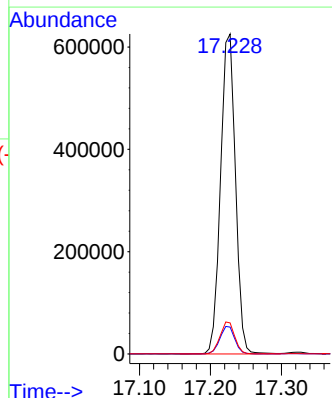
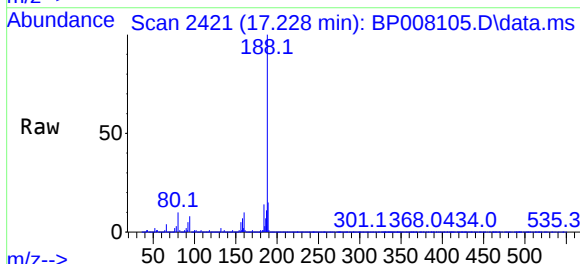
Manual Integrations
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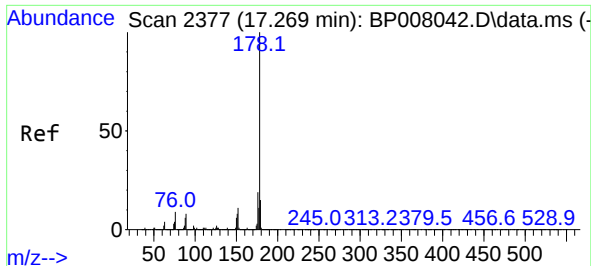
Reviewed By :Jagrut Upadhyay 11/24/2021
Supervised By :Sohil Jodhani 11/30/2021



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.228 min Scan# 2421
Delta R.T. 0.001 min
Lab File: BP008105.D
Acq: 23 Nov 2021 20:10

Tgt Ion:188 Resp: 906435
Ion Ratio Lower Upper
188 100
94 8.4 7.1 10.7
80 9.7 8.1 12.1





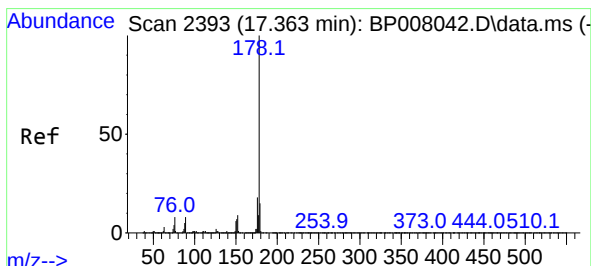
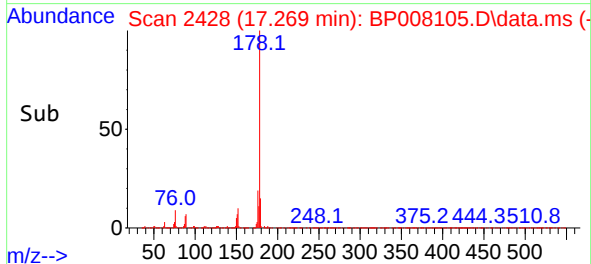
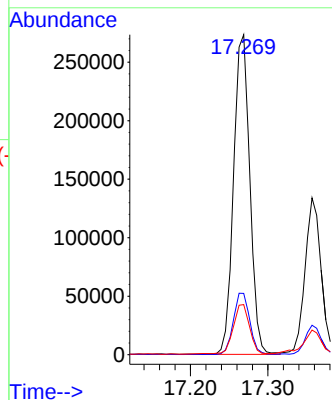
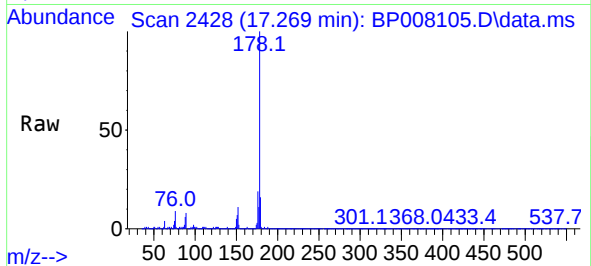
#71
Phenanthrene
Concen: 8.168 ng
RT: 17.269 min Scan# 2443
Delta R.T. -0.000 min
Lab File: BP008105.D
Acq: 23 Nov 2021 20:10

Instrument :
BNA_P
ClientSampleId :
EO-03-111921

Tgt Ion:178 Resp: 39893
Ion Ratio Lower Upper
178 100
176 19.2 15.6 23.4
179 15.6 12.4 18.6

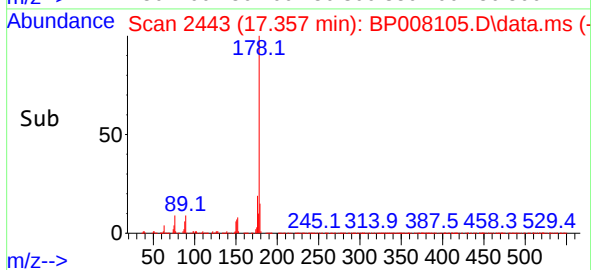
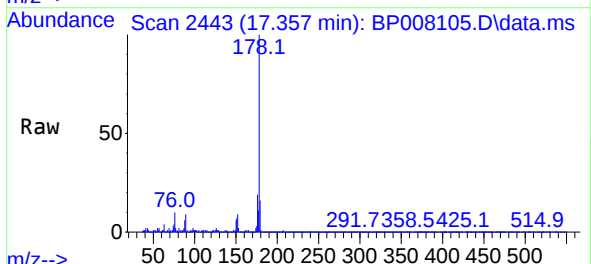
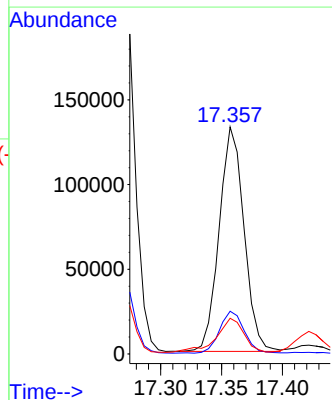
Manual Integrations
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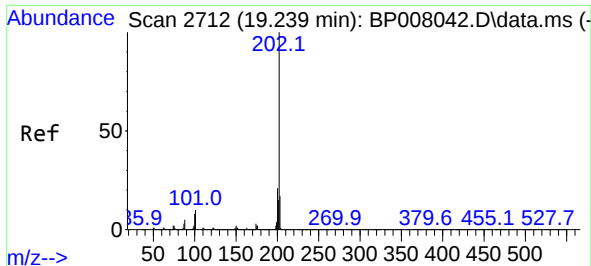
Reviewed By :Jagrut Upadhyay 11/24/2021
Supervised By :Sohil Jodhani 11/30/2021



#72
Anthracene
Concen: 3.897 ng
RT: 17.357 min Scan# 2443
Delta R.T. -0.006 min
Lab File: BP008105.D
Acq: 23 Nov 2021 20:10

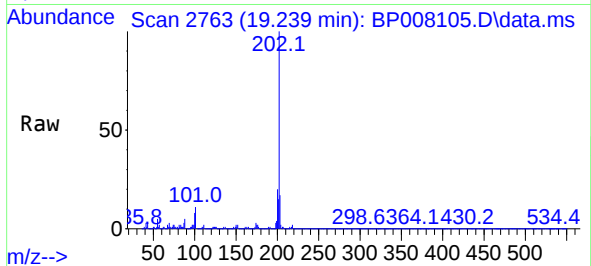
Tgt Ion:178 Resp: 188413
Ion Ratio Lower Upper
178 100
176 18.8 14.7 22.1
179 15.7 12.2 18.4





#75
Fluoranthene
Concen: 16.311 ng
RT: 19.239 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP008105.D
Acq: 23 Nov 2021 20:10

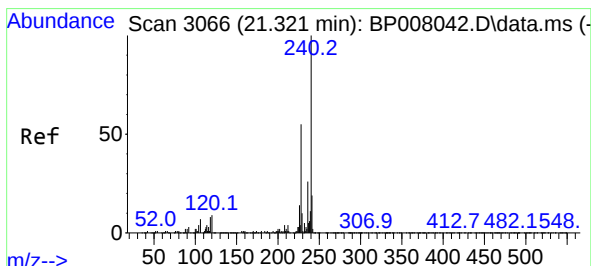
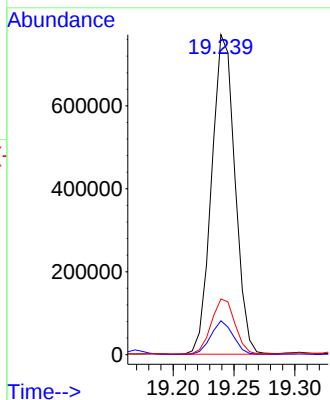
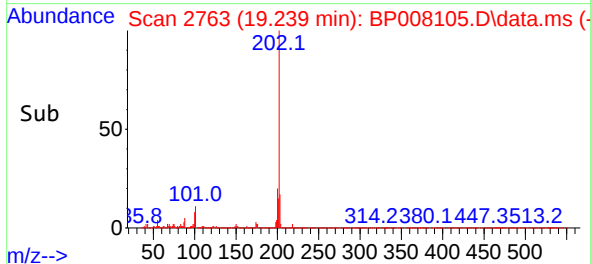
Instrument :
BNA_P
ClientSampleId :
EO-03-111921



Tgt Ion:202 Resp: 1026750
Ion Ratio Lower Upper
202 100
101 10.6 0.0 29.5
203 17.4 0.0 37.3

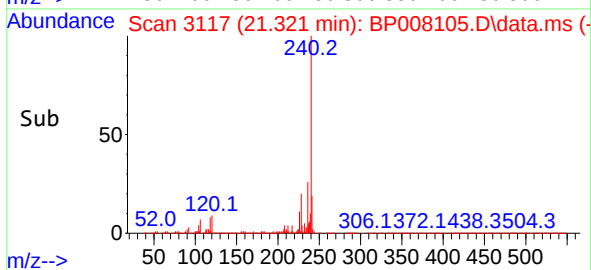
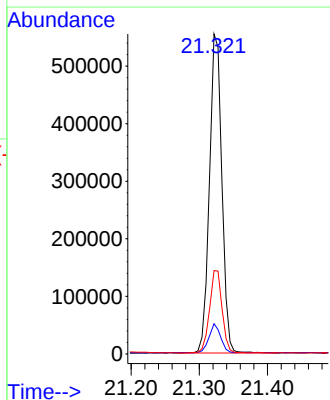
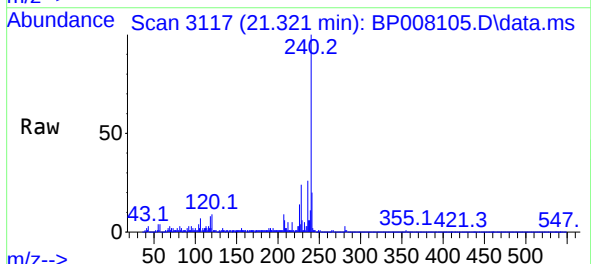
Manual Integrations
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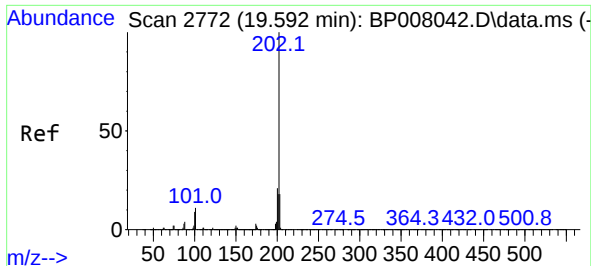
Reviewed By :Jagrut Upadhyay 11/24/2021
Supervised By :Sohil Jodhani 11/30/2021



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.321 min Scan# 3117
Delta R.T. 0.000 min
Lab File: BP008105.D
Acq: 23 Nov 2021 20:10

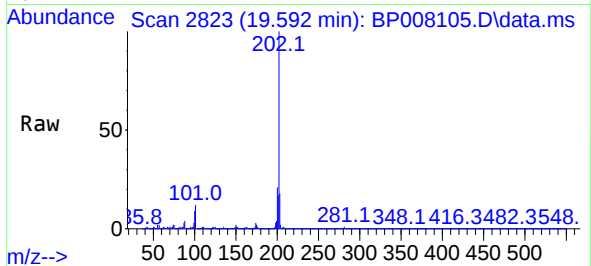
Tgt Ion:240 Resp: 704073
Ion Ratio Lower Upper
240 100
120 9.5 7.4 11.2
236 26.0 21.0 31.4





#78
Pyrene
Concen: 20.526 ng
RT: 19.592 min Scan# 2772
Delta R.T. 0.000 min
Lab File: BP008105.D
Acq: 23 Nov 2021 20:10

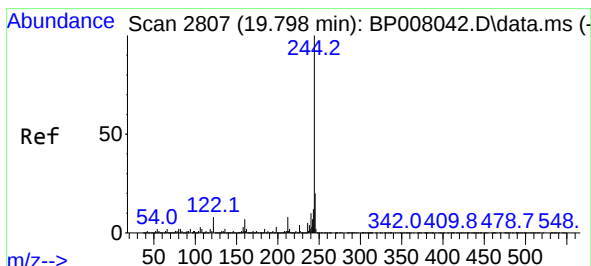
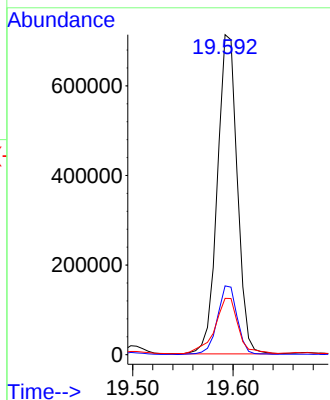
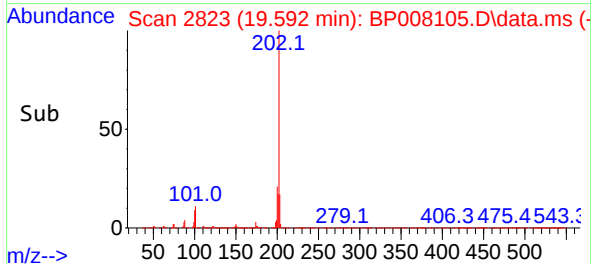
Instrument :
BNA_P
ClientSampleId :
EO-03-111921



Tgt Ion:202 Resp: 98140
Ion Ratio Lower Upper
202 100
200 21.5 16.9 25.3
203 17.6 14.2 21.2

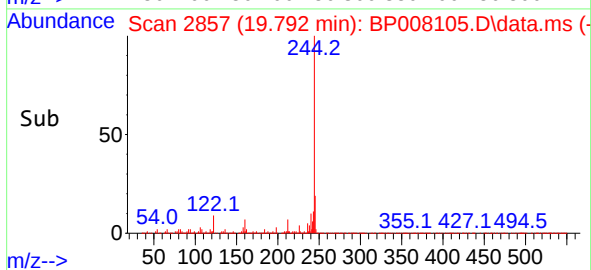
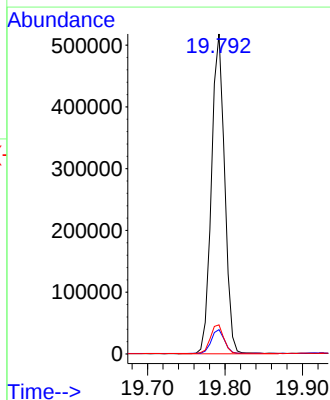
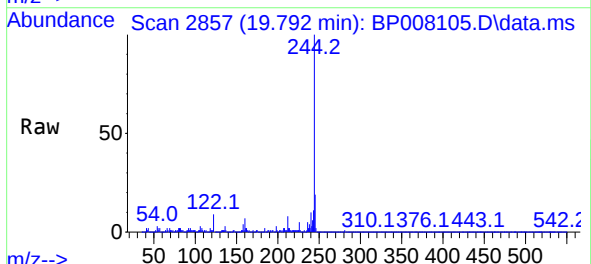
Manual Integrations
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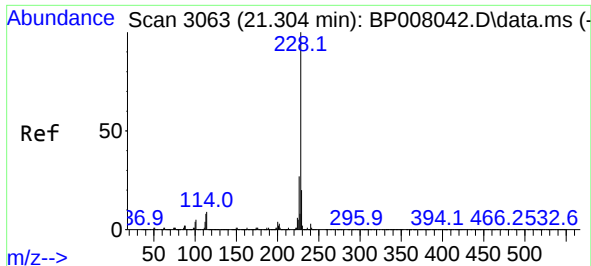
Reviewed By :Jagrut Upadhyay 11/24/2021
Supervised By :Sohil Jodhani 11/30/2021



#79
Terphenyl-d14
Concen: 17.073 ng
RT: 19.792 min Scan# 2857
Delta R.T. -0.006 min
Lab File: BP008105.D
Acq: 23 Nov 2021 20:10

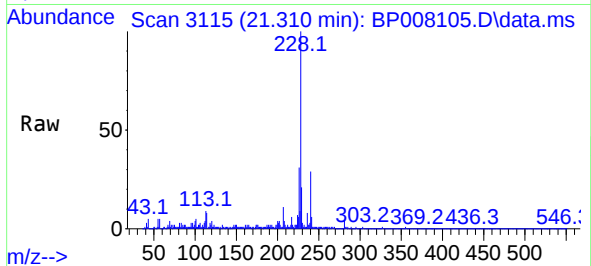
Tgt Ion:244 Resp: 611389
Ion Ratio Lower Upper
244 100
212 7.6 6.3 9.5
122 9.1 6.1 9.1





#81
Benzo(a)anthracene
Concen: 11.439 ng
RT: 21.310 min Scan# 3115
Delta R.T. 0.006 min
Lab File: BP008105.D
Acq: 23 Nov 2021 20:10

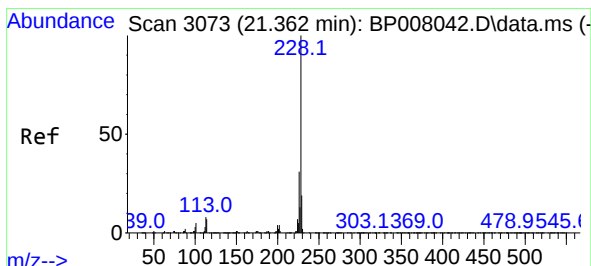
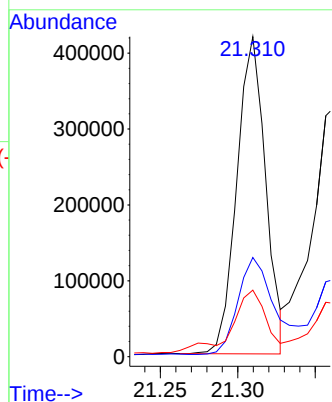
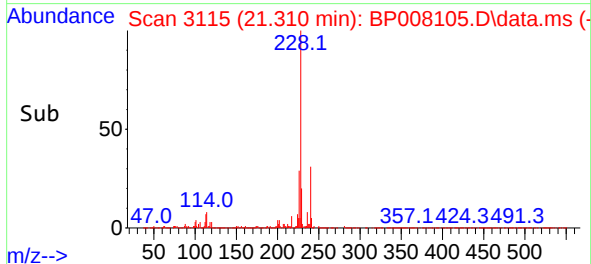
Instrument :
BNA_P
ClientSampleId :
EO-03-111921



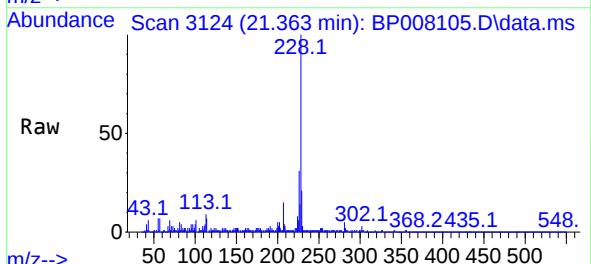
Tgt Ion:228 Resp: 54014
Ion Ratio Lower Upper
228 100
226 31.0 21.8 32.6
229 20.8 16.1 24.1

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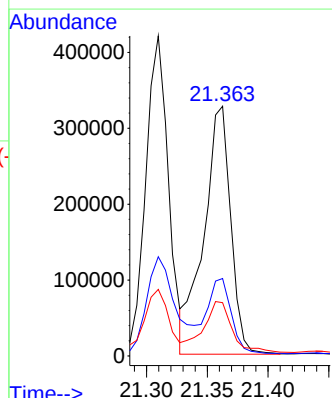
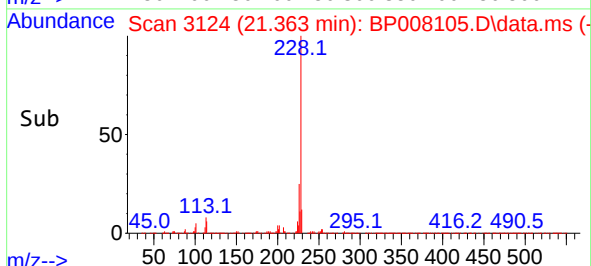
Reviewed By :Jagrut Upadhyay 11/24/2021
Supervised By :Sohil Jodhani 11/30/2021

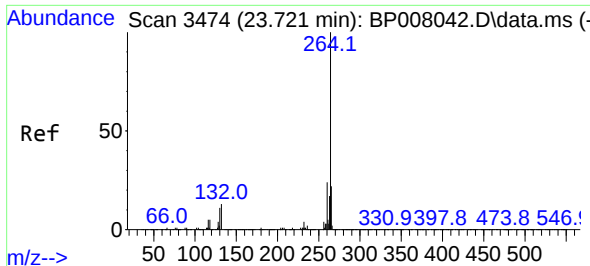


#83
Chrysene
Concen: 11.279 ng m
RT: 21.363 min Scan# 3124
Delta R.T. 0.001 min
Lab File: BP008105.D
Acq: 23 Nov 2021 20:10



Tgt Ion:228 Resp: 505382
Ion Ratio Lower Upper
228 100
226 31.0 24.5 36.7
229 21.3 15.5 23.3





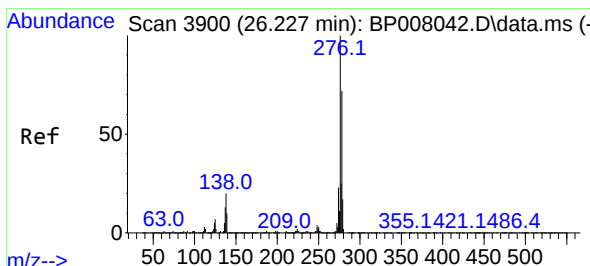
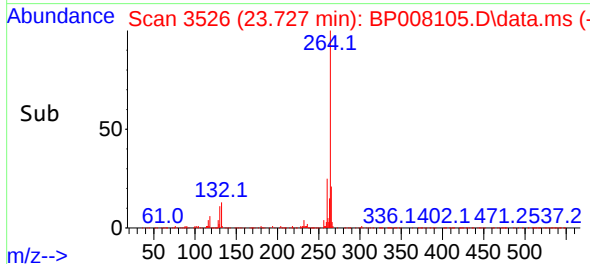
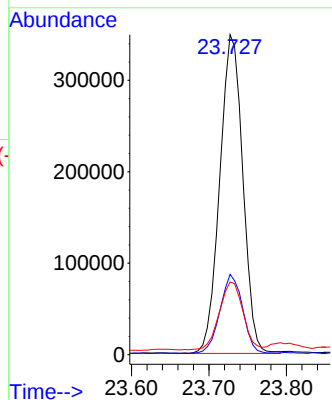
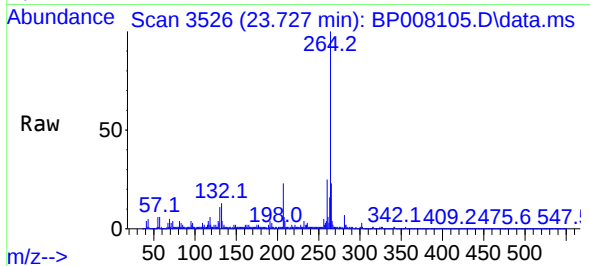
#86
Perylene-d12
Concen: 20.000 ng
RT: 23.727 min Scan# 30
Delta R.T. 0.006 min
Lab File: BP008105.D
Acq: 23 Nov 2021 20:10

Instrument :
BNA_P
ClientSampleId :
EO-03-111921

Tgt Ion:264 Resp: 720219
Ion Ratio Lower Upper
264 100
260 25.1 19.0 28.6
265 22.7 17.7 26.5

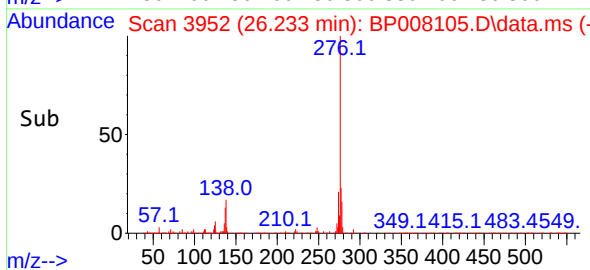
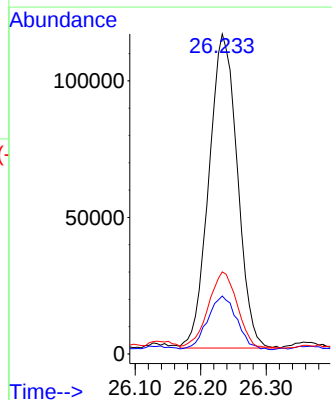
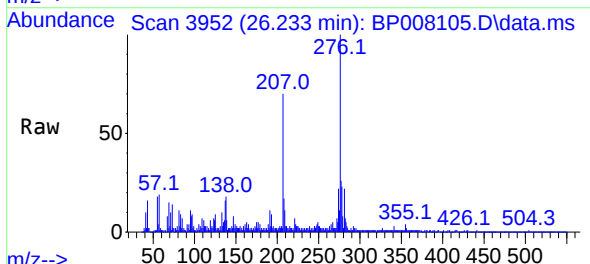
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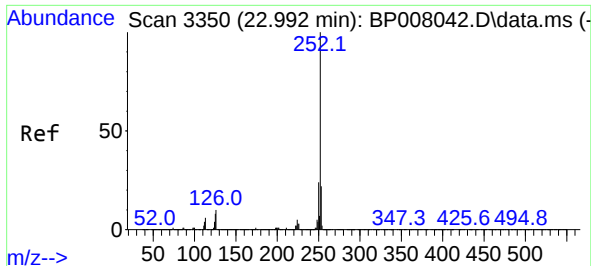
Reviewed By :Jagrut Upadhyay 11/24/2021
Supervised By :Sohil Jodhani 11/30/2021



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.924 ng
RT: 26.233 min Scan# 3952
Delta R.T. 0.006 min
Lab File: BP008105.D
Acq: 23 Nov 2021 20:10

Tgt Ion:276 Resp: 346039
Ion Ratio Lower Upper
276 100
138 17.6 16.5 24.7
277 25.0 20.2 30.4





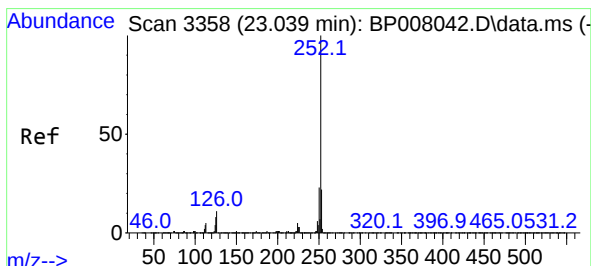
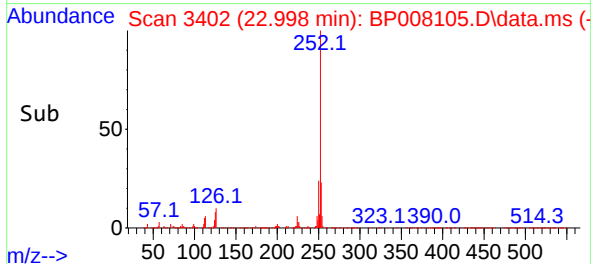
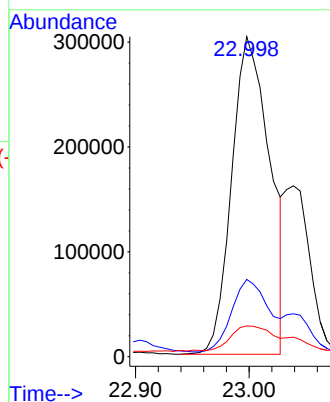
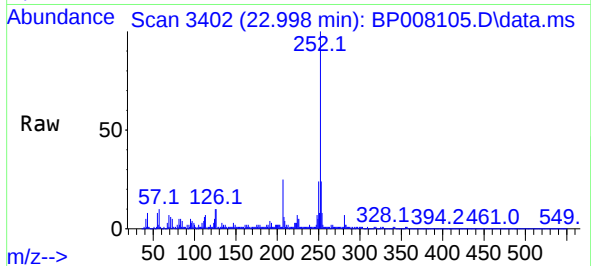
#88
Benzo(b)fluoranthene
Concen: 15.669 ng
RT: 22.998 min Scan# 3402
Delta R.T. 0.006 min
Lab File: BP008105.D
Acq: 23 Nov 2021 20:10

Instrument :
BNA_P
ClientSampleId :
EO-03-111921

Tgt Ion:252 Resp: 70560
Ion Ratio Lower Upper
252 100
253 24.1 17.4 26.2
125 9.6 6.1 9.1

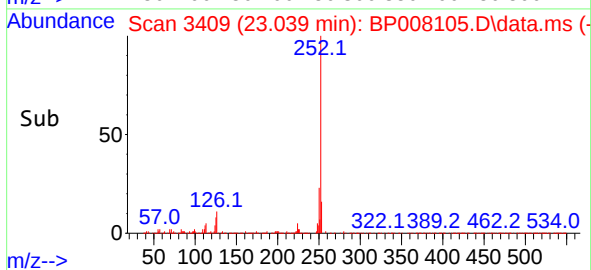
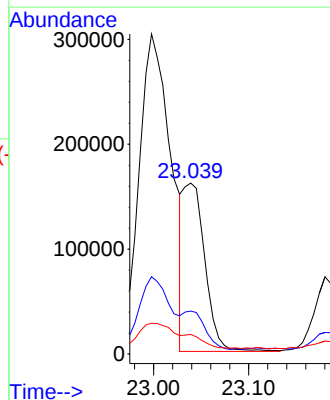
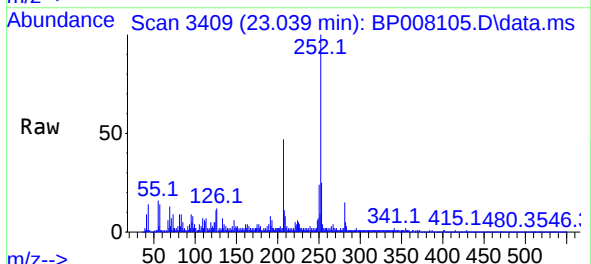
Manual Integrations
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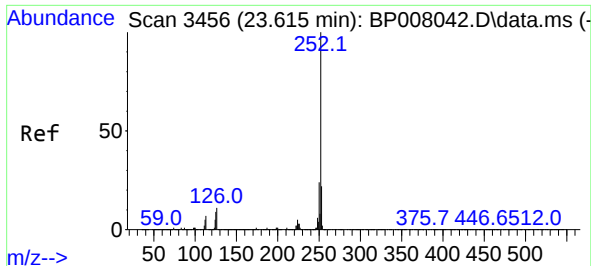
Reviewed By :Jagrut Upadhyay 11/24/2021
Supervised By :Sohil Jodhani 11/30/2021



#89
Benzo(k)fluoranthene
Concen: 5.620 ng m
RT: 23.039 min Scan# 3409
Delta R.T. -0.000 min
Lab File: BP008105.D
Acq: 23 Nov 2021 20:10

Tgt Ion:252 Resp: 251813
Ion Ratio Lower Upper
252 100
253 25.1 17.4 26.0
125 11.5 6.2 9.4





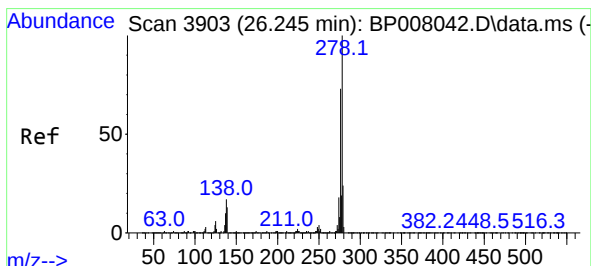
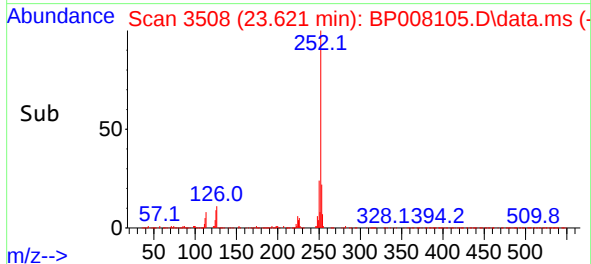
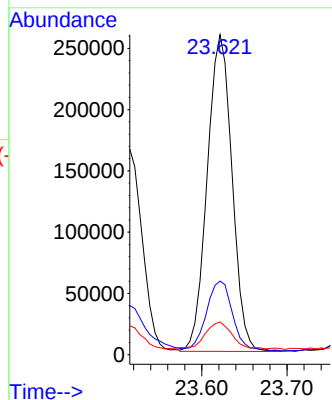
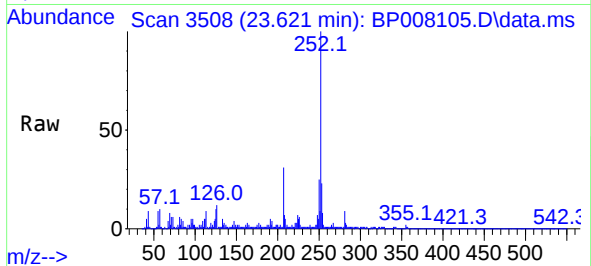
#90
Benzo(a)pyrene
Concen: 13.853 ng
RT: 23.621 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP008105.D
Acq: 23 Nov 2021 20:10

Instrument :
BNA_P
ClientSampleId :
EO-03-111921

Tgt Ion:252 Resp: 522790
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.2
125 10.3 7.4 11.2

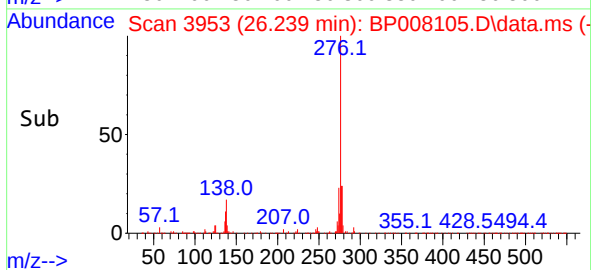
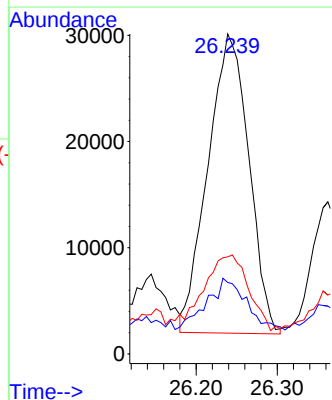
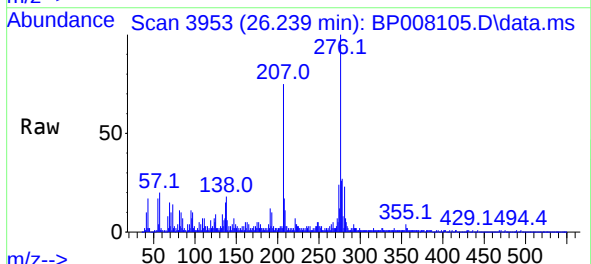
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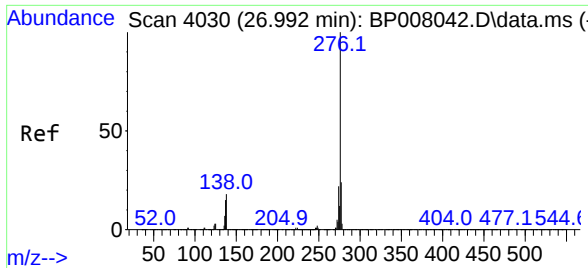
Reviewed By :Jagrut Upadhyay 11/24/2021
Supervised By :Sohil Jodhani 11/30/2021



#91
Dibenzo(a,h)anthracene
Concen: 2.371 ng
RT: 26.239 min Scan# 3953
Delta R.T. -0.006 min
Lab File: BP008105.D
Acq: 23 Nov 2021 20:10

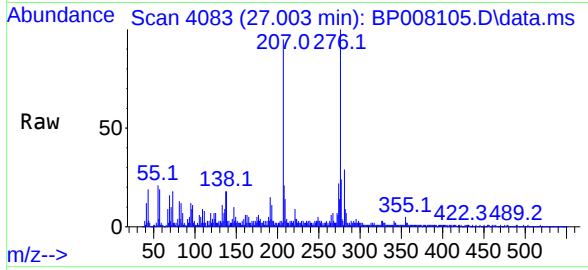
Tgt Ion:278 Resp: 98644
Ion Ratio Lower Upper
278 100
139 26.7 10.5 15.7#
279 30.3 18.8 28.2#





#92
 Benzo(g,h,i)perylene
 Concen: 7.747 ng
 RT: 27.003 min Scan# 4083
 Delta R.T. 0.011 min
 Lab File: BP008105.D
 Acq: 23 Nov 2021 20:10

Instrument :
 BNA_P
 ClientSampleId :
 EO-03-111921



Tgt Ion: 276 Resp: 31569

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.0	28.6
138	18.2	14.2	21.2

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

