

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121621\
 Data File : BP008463.D
 Acq On : 16 Dec 2021 21:03
 Operator : CG/JU
 Sample : M5076-12DL 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-9-SB-22-GDL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/17/2021
 Supervised By : Jagrut Upadhyay 12/20/2021

Quant Time: Dec 17 03:24:15 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	7.734	152	54309	20.000	ng	-0.01
21) Naphthalene-d8	10.528	136	195614	20.000	ng	-0.01
39) Acenaphthene-d10	14.387	164	132767	20.000	ng	-0.01
64) Phenanthrene-d10	17.157	188	297481	20.000	ng	0.00
76) Chrysene-d12	21.269	240	345044	20.000	ng	0.00
86) Perylene-d12	23.633	264	384664	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	52254	15.195	ng	0.00
7) Phenol-d6	6.940	99	100610	21.783	ng	0.00
23) Nitrobenzene-d5	8.905	82	76944	16.664	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	12753	6.536	ng	0.00
45) 2-Fluorobiphenyl	13.004	172	165954	15.890	ng	-0.01
79) Terphenyl-d14	19.727	244	296480	14.954	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	12.204	142	36019	5.095	ng	99
38) 1-Methylnaphthalene	12.416	142	73720	10.710	ng	99
52) Acenaphthene	14.451	154	207196	28.963	ng	99
58) Fluorene	15.445	166	168286	17.837	ng	98
71) Phenanthrene	17.204	178	4760770	295.437	ng	99
72) Anthracene	17.286	178	796937	50.126	ng	99
75) Fluoranthene	19.186	202	3573400	196.415	ng	98
78) Pyrene	19.545	202	5735616	232.337	ng	99
81) Benzo(a)anthracene	21.257	228	2365097	102.279	ng	100
83) Chrysene	21.304	228	2200238	99.612	ng	98
87) Indeno(1,2,3-cd)pyrene	26.110	276	693709	22.910	ng	# 94
88) Benzo(b)fluoranthene	22.927	252	1559294m	67.387	ng	
89) Benzo(k)fluoranthene	22.963	252	515829m	22.106	ng	
90) Benzo(a)pyrene	23.533	252	1355025	67.469	ng	98
91) Dibenzo(a,h)anthracene	26.110	278	261171	10.304	ng	98
92) Benzo(g,h,i)perylene	26.874	276	697799	27.801	ng	97

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

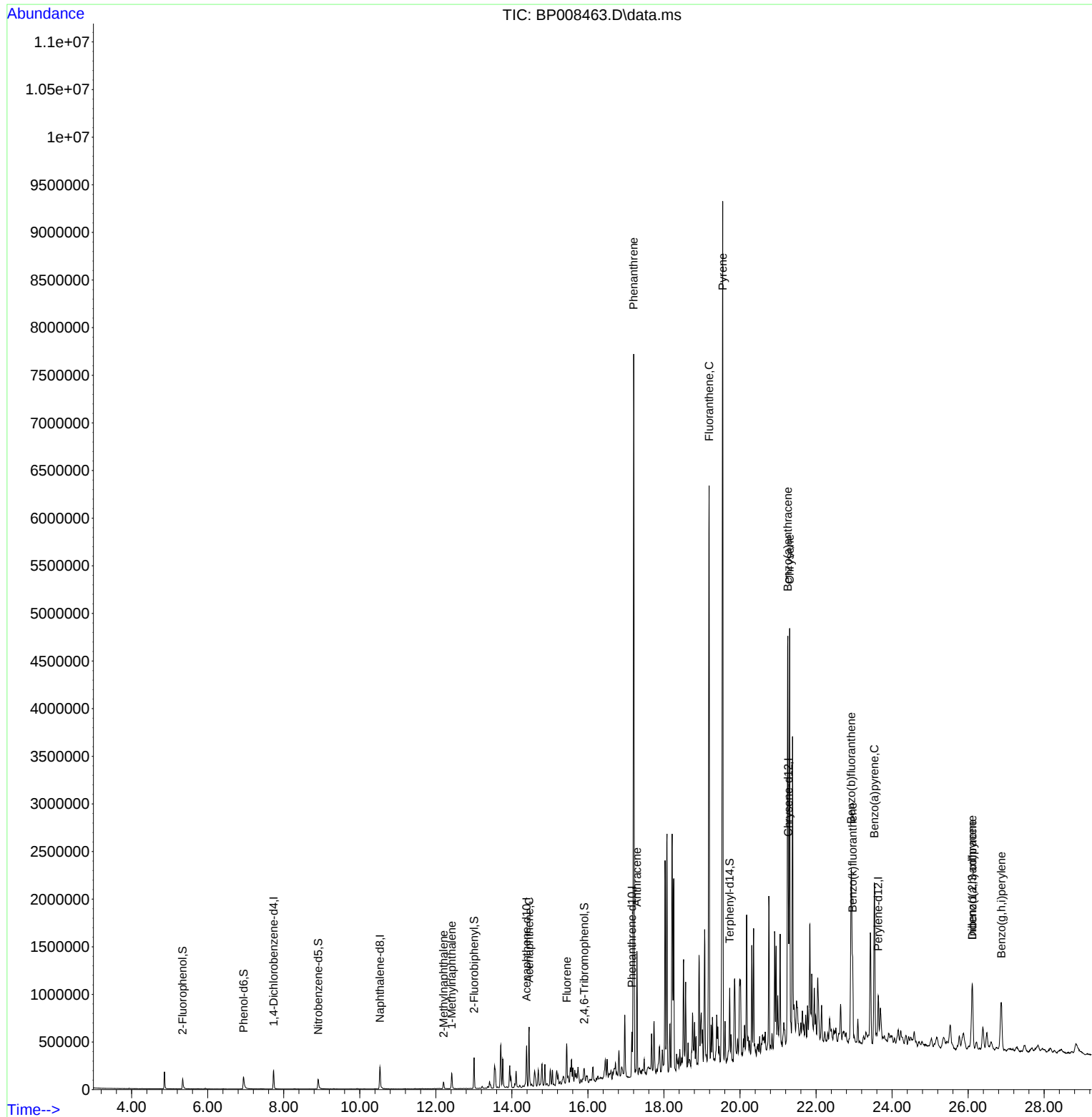
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Data File : BP008463.D
Acq On : 16 Dec 2021 21:03
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ALS Vial : 19 Sample Multiplier: 1

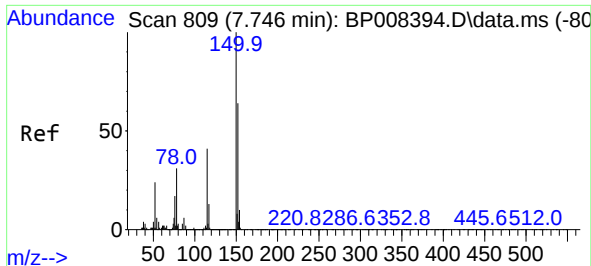
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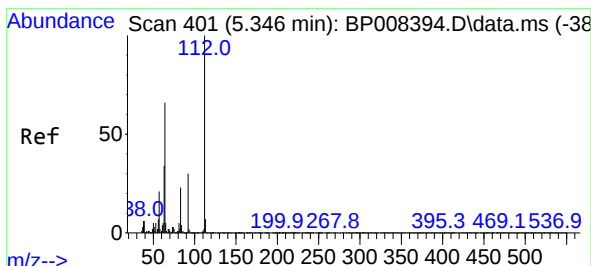
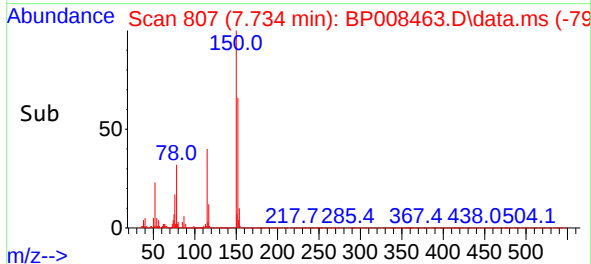
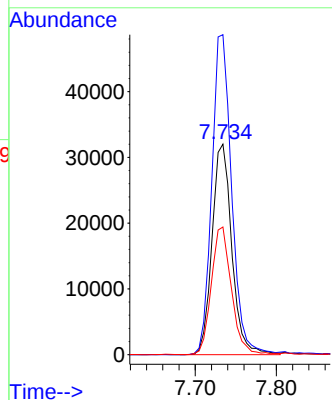
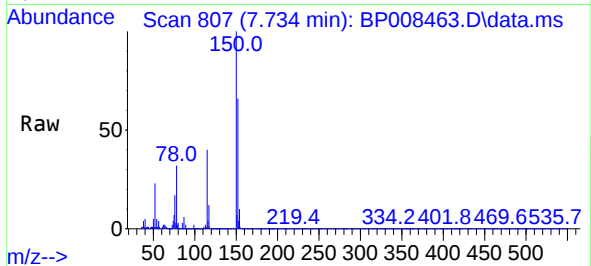
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.734 min Scan# 809
Delta R.T. -0.012 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03

Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-GDL

Tgt Ion:152 Resp: 54309
Ion Ratio Lower Upper
152 100
150 152.0 125.7 188.5
115 60.7 50.7 76.1

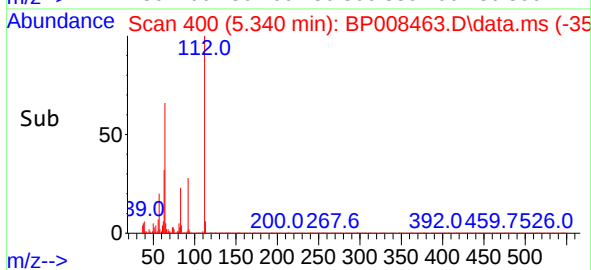
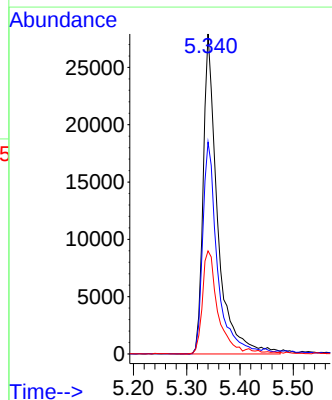
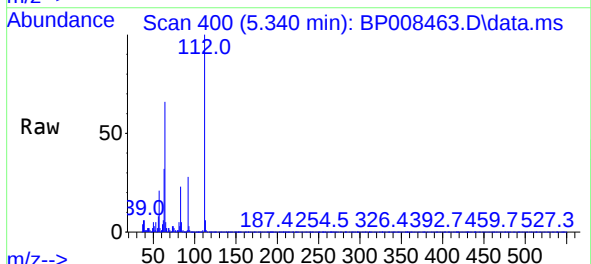
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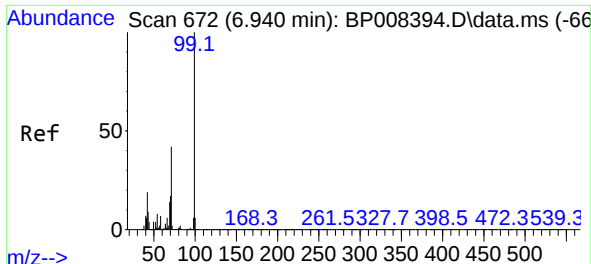
Reviewed By :Christian Giraldo 12/17/2021
Supervised By :Jagrut Upadhyay 12/20/2021



#5
2-Fluorophenol
Concen: 15.195 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.006 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03

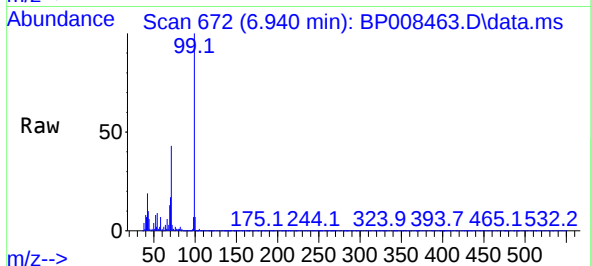
Tgt Ion:112 Resp: 52254
Ion Ratio Lower Upper
112 100
64 66.2 53.4 80.2
63 32.2 27.8 41.8





Phenol-d6
Concen: 21.783 ng
RT: 6.940 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03

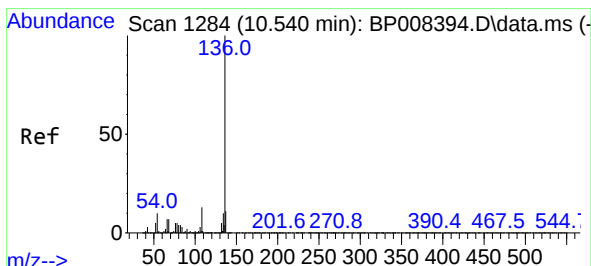
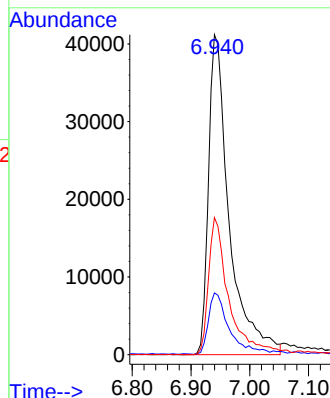
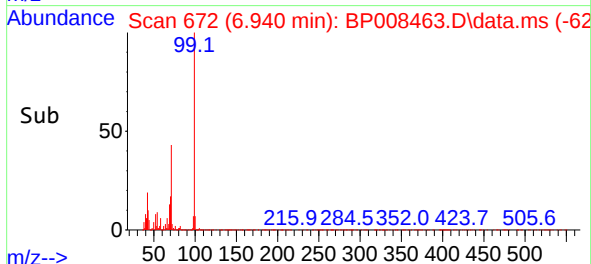
Instrument :
BNA_P
ClientSampleId :
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Tgt Ion: 99 Resp: 100610
Ion Ratio Lower Upper
99 100
42 19.3 14.6 22.0
71 42.8 31.1 46.7

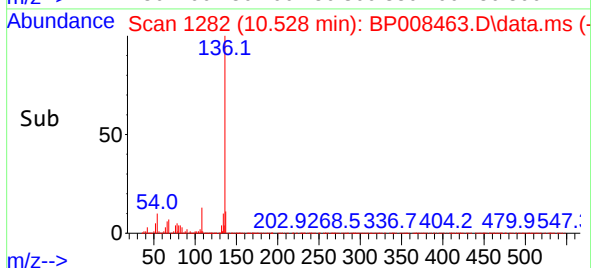
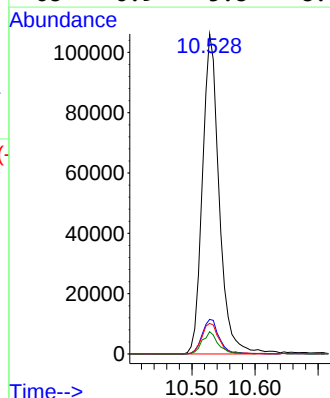
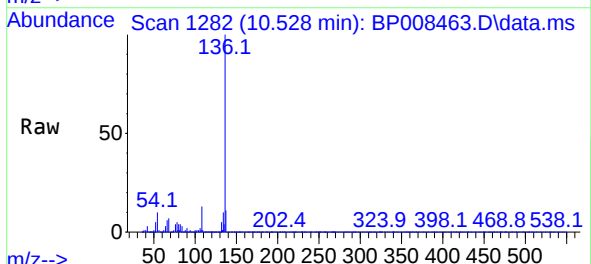
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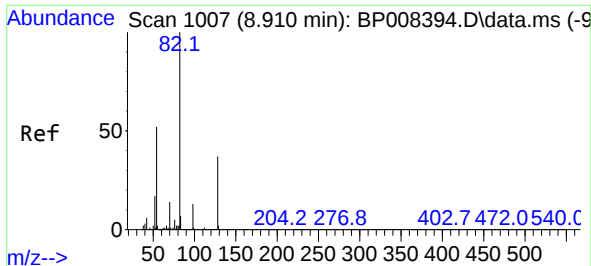
Reviewed By :Christian Giraldo 12/17/2021
Supervised By :Jagrut Upadhyay 12/20/2021



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.528 min Scan# 1282
Delta R.T. -0.012 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03

Tgt Ion:136 Resp: 195614
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.6
54 9.5 8.2 12.4
68 6.9 5.8 8.8





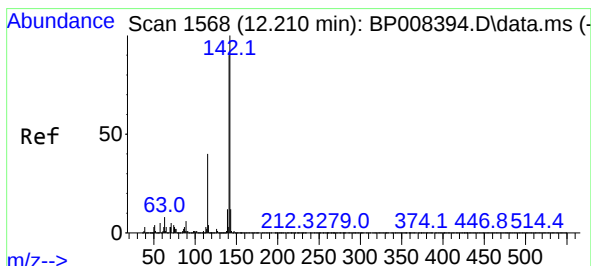
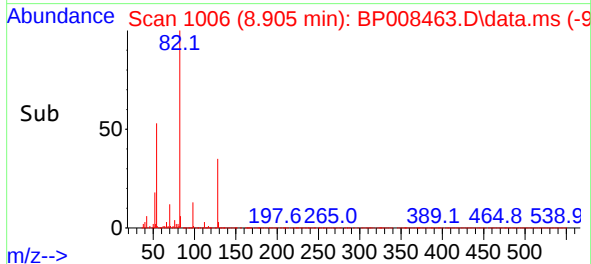
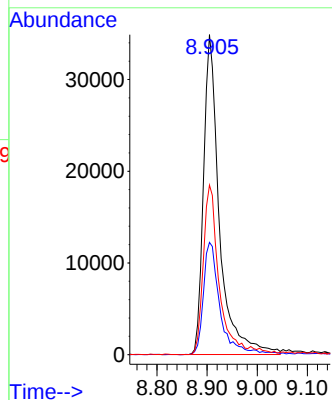
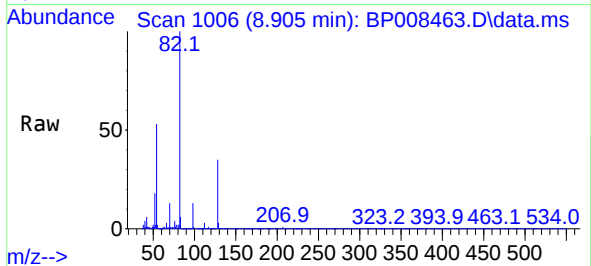
#23
Nitrobenzene-d5
Concen: 16.664 ng
RT: 8.905 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03

Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-GDL

Tgt Ion: 82 Resp: 76944
Ion Ratio Lower Upper
82 100
128 35.1 29.6 44.4
54 53.0 42.7 64.1

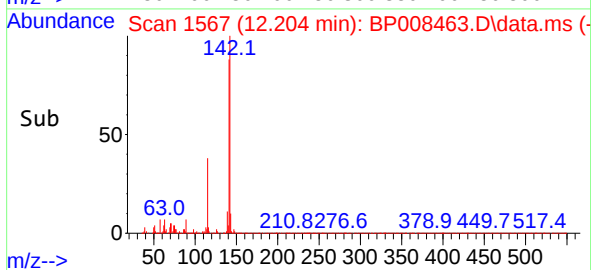
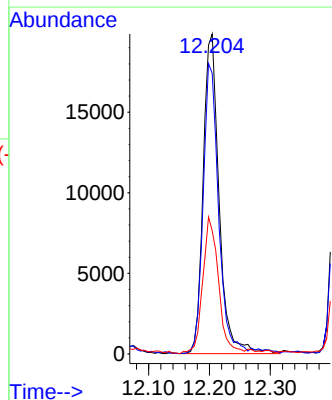
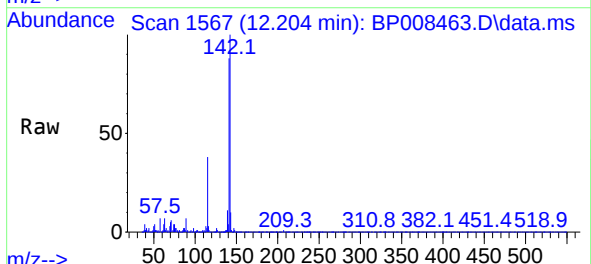
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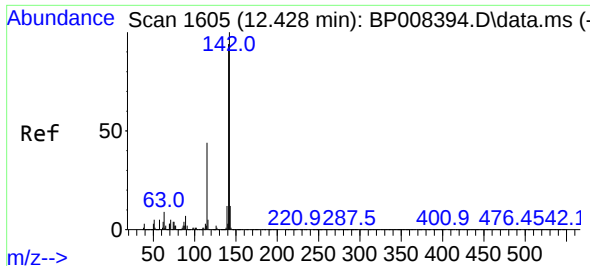
Reviewed By :Christian Giraldo 12/17/2021
Supervised By :Jagrut Upadhyay 12/20/2021



#37
2-Methylnaphthalene
Concen: 5.095 ng
RT: 12.204 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03

Tgt Ion:142 Resp: 36019
Ion Ratio Lower Upper
142 100
141 87.7 70.7 106.1
115 38.5 30.9 46.3





#38
1-Methylnaphthalene
Concen: 10.710 ng
RT: 12.416 min Scan# 10
Delta R.T. -0.012 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03

Instrument :

BNA_P

ClientSampleId :

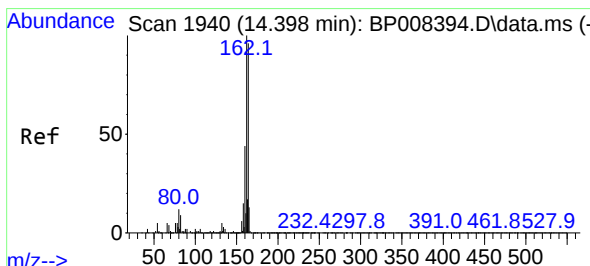
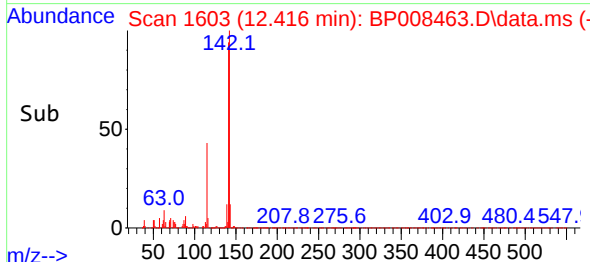
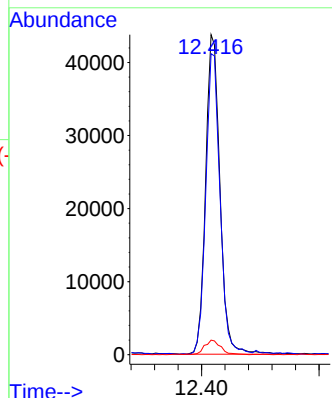
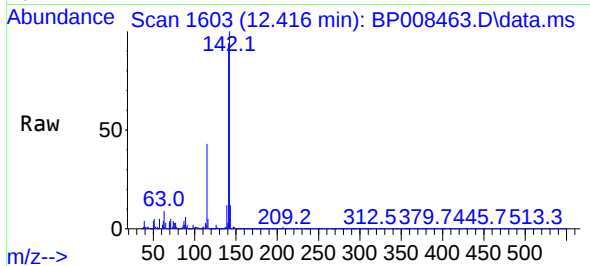
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Tgt Ion:142 Resp: 73720
Ion Ratio Lower Upper
142 100
141 94.0 74.2 111.4
116 4.6 3.4 5.2

Manual Integrations

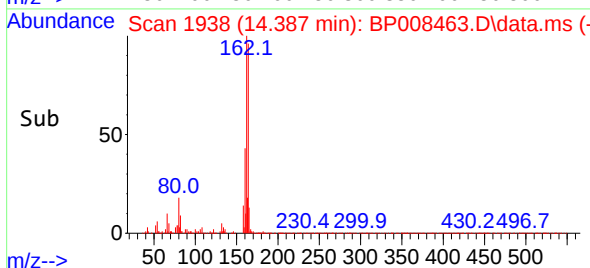
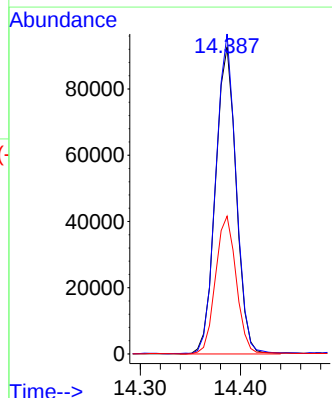
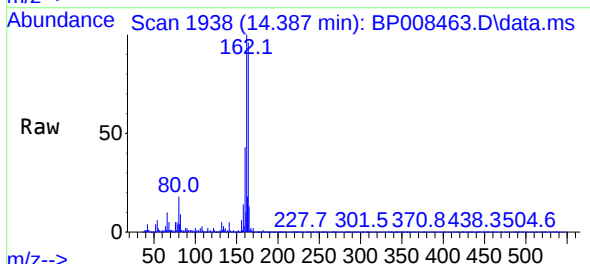
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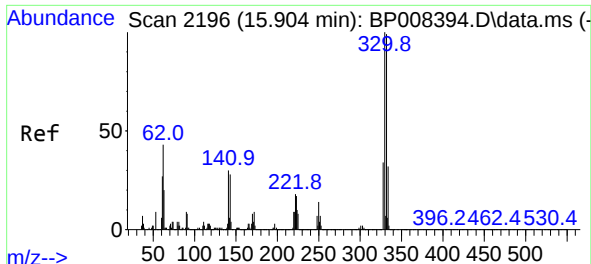
Reviewed By :Christian Giraldo 12/17/2021
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.387 min Scan# 1938
Delta R.T. -0.011 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03

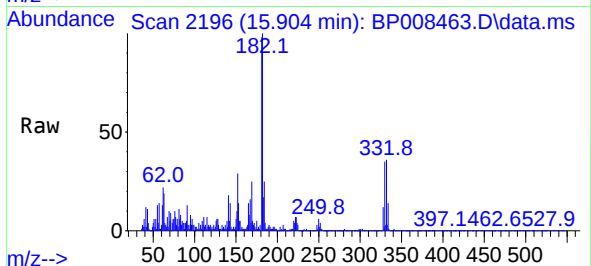
Tgt Ion:164 Resp: 132767
Ion Ratio Lower Upper
164 100
162 104.3 81.9 122.9
160 44.9 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 6.536 ng
RT: 15.904 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03

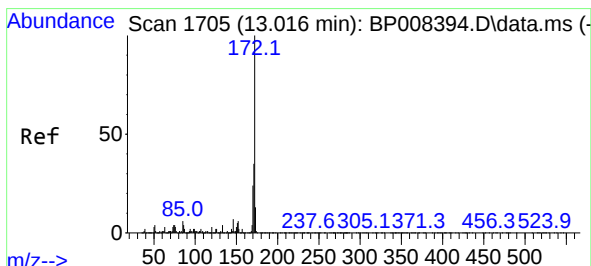
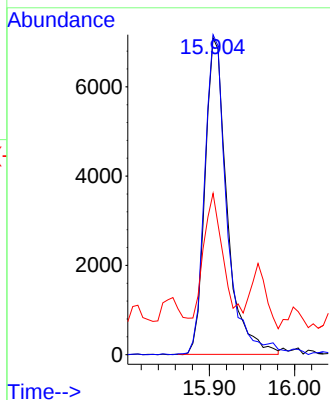
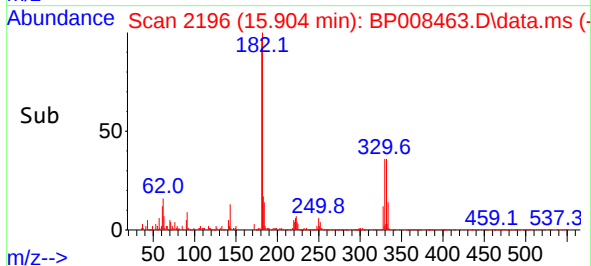
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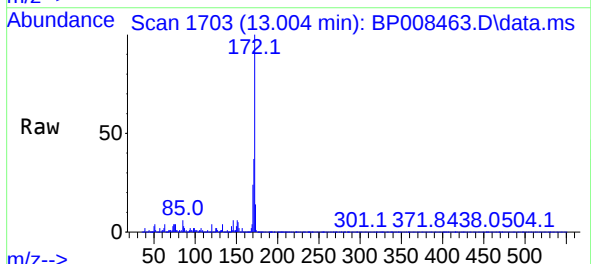
Tgt Ion: 330 Resp: 1275
Ion Ratio Lower Upper
330 100
332 101.7 77.0 115.4
141 36.7 28.4 42.6

Manual Integrations
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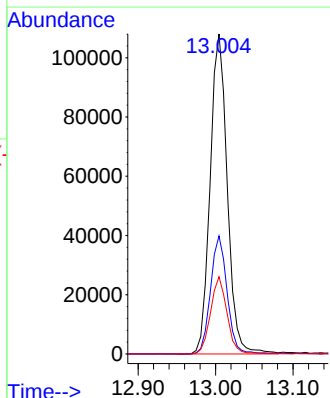
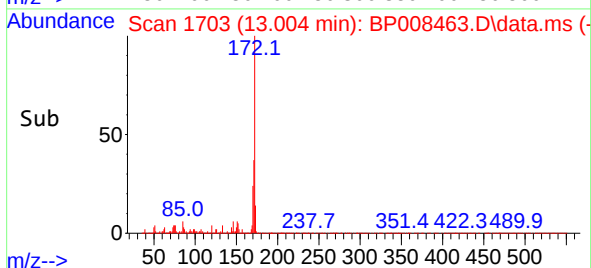
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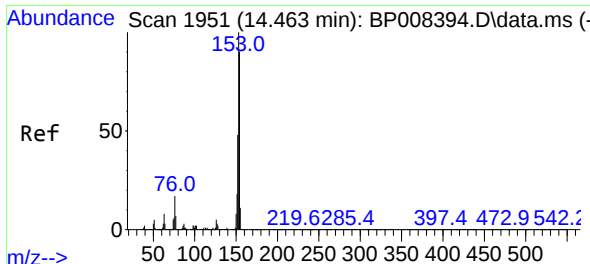


#45
2-Fluorobiphenyl
Concen: 15.890 ng
RT: 13.004 min Scan# 1703
Delta R.T. -0.012 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03



Tgt Ion: 172 Resp: 165954
Ion Ratio Lower Upper
172 100
171 36.9 28.0 42.0
170 24.2 18.9 28.3





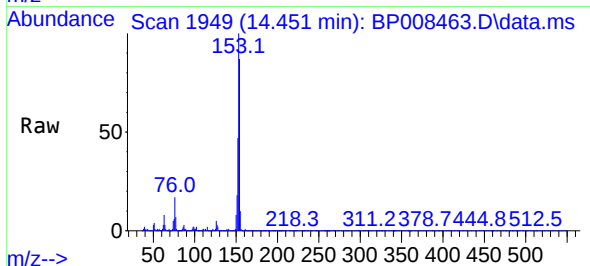
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Acenaphthene
Concen: 28.963 ng
RT: 14.451 min Scan# 1949
Delta R.T. -0.012 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03

Instrument :

BNA_P

ClientSampleId :

SB-9-SB-22-GDL

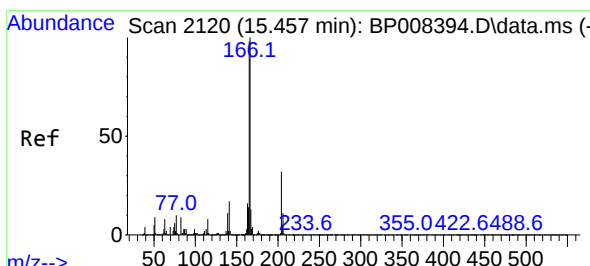
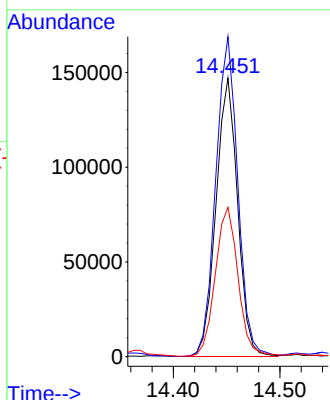
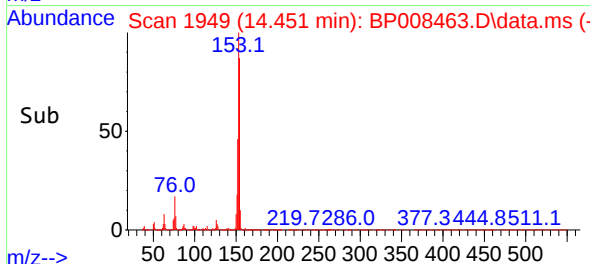


Tgt Ion:154 Resp: 207190
Ion Ratio Lower Upper
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153 114.9 90.3 135.5
152 53.6 43.3 64.9

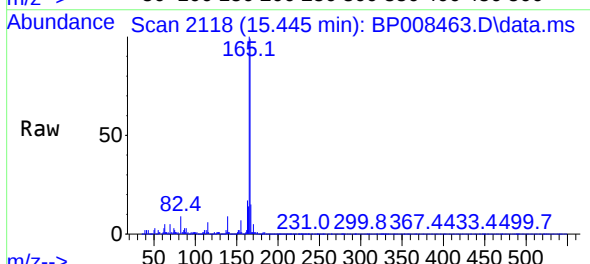
Manual Integrations

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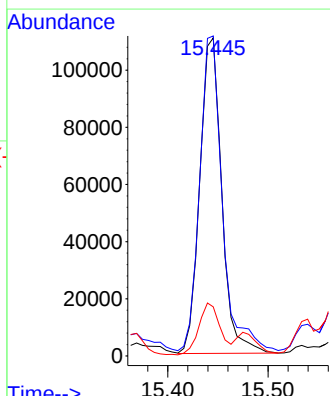
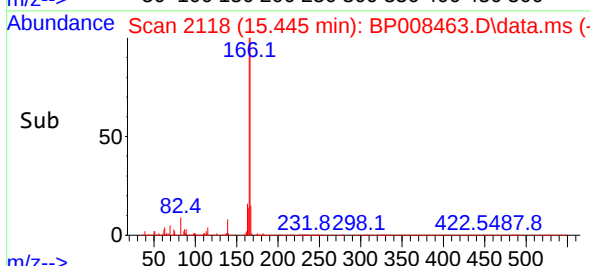
Reviewed By :Christian Giraldo 12/17/2021
Supervised By :Jagrut Upadhyay 12/20/2021

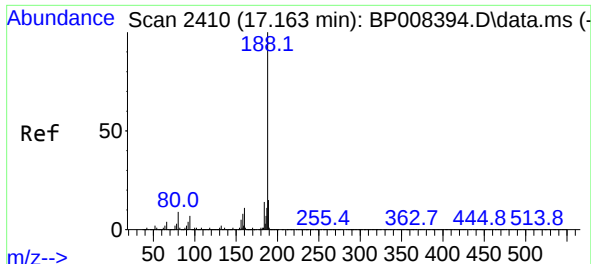


#58
Fluorene
Concen: 17.837 ng
RT: 15.445 min Scan# 2118
Delta R.T. -0.012 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03



Tgt Ion:166 Resp: 168286
Ion Ratio Lower Upper
166 100
165 100.6 79.4 119.2
167 15.5 10.9 16.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2410
Delta R.T. -0.006 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03

Instrument :

BNA_P

ClientSampleId :

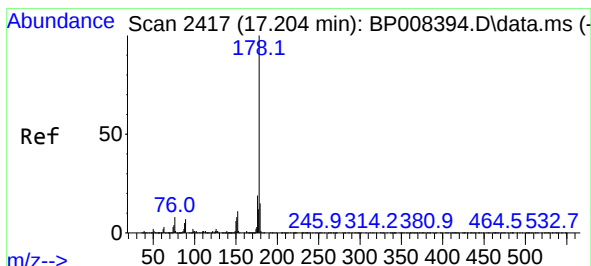
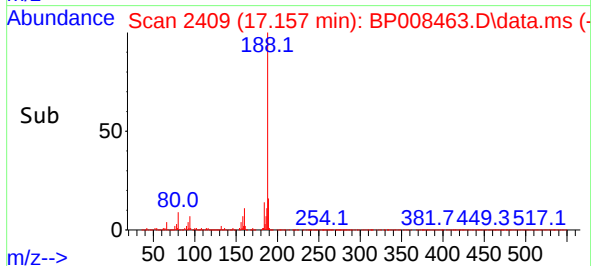
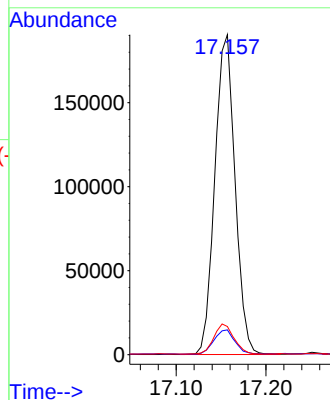
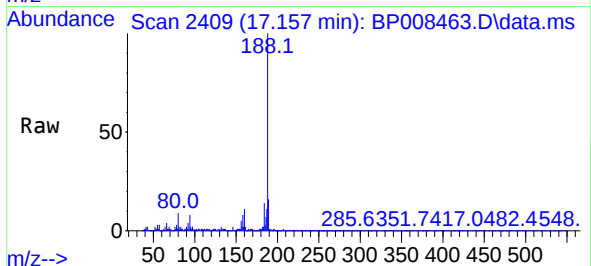
SB-9-SB-22-GDL

Tgt Ion:188 Resp: 29748
Ion Ratio Lower Upper
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94 7.8 7.2 10.8
80 8.8 8.2 12.4

Manual Integrations

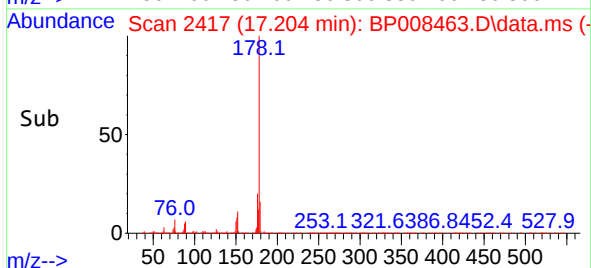
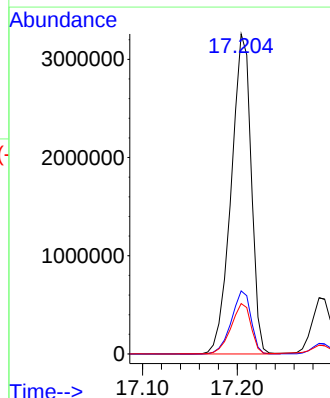
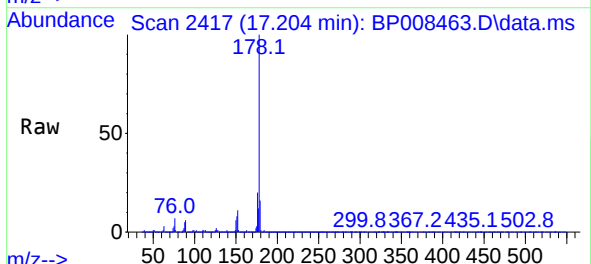
APPROVED

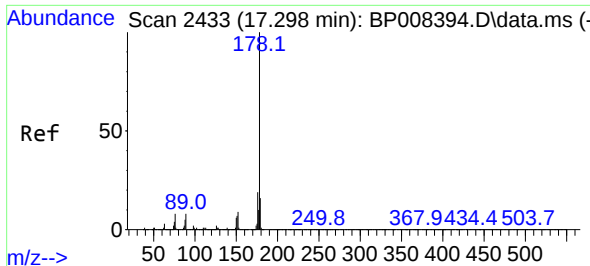
Reviewed By :Christian Giraldo 12/17/2021
Supervised By :Jagrut Upadhyay 12/20/2021



#71
Phenanthrene
Concen: 295.437 ng
RT: 17.204 min Scan# 2417
Delta R.T. 0.000 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03

Tgt Ion:178 Resp: 4760770
Ion Ratio Lower Upper
178 100
176 19.7 15.3 22.9
179 15.7 12.5 18.7





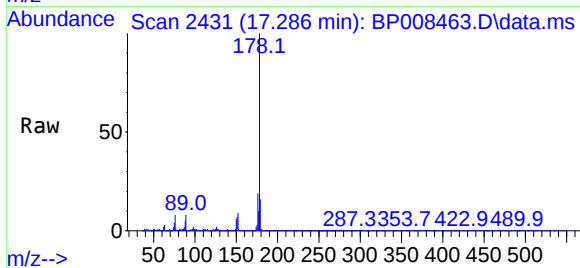
#72
 Anthracene
 Concen: 50.126 ng
 RT: 17.286 min Scan# 2433
 Delta R.T. -0.012 min
 Lab File: BP008463.D
 Acq: 16 Dec 2021 21:03

Instrument :

BNA_P

ClientSampleId :

SB-9-SB-22-GDL

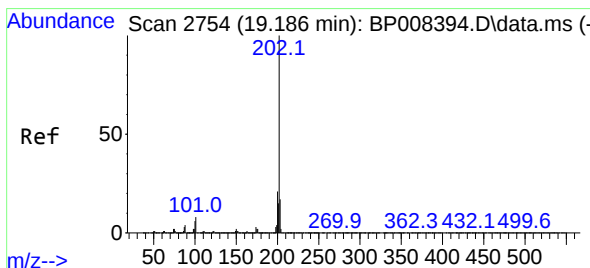
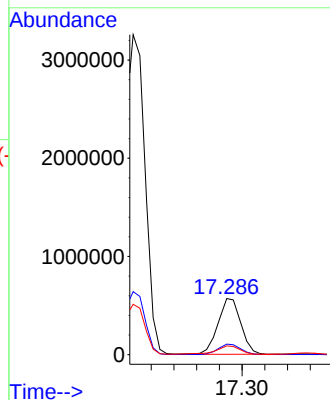
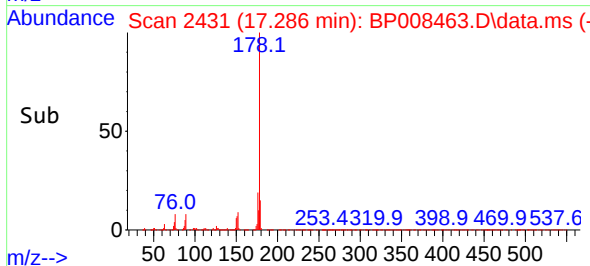


Tgt Ion:178 Resp: 796937
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.1 22.7
 179 15.6 12.3 18.5

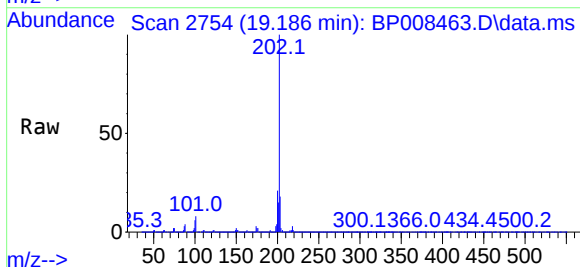
Manual Integrations

APPROVED

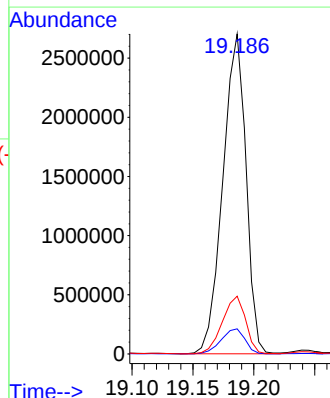
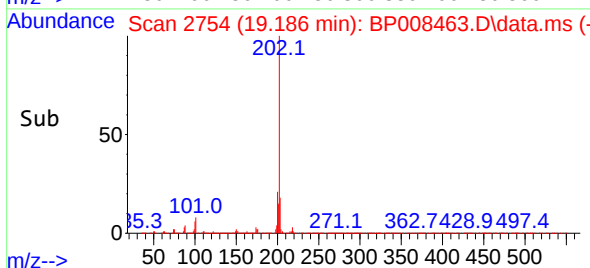
Reviewed By :Christian Giraldo 12/17/2021
 Supervised By :Jagrut Upadhyay 12/20/2021

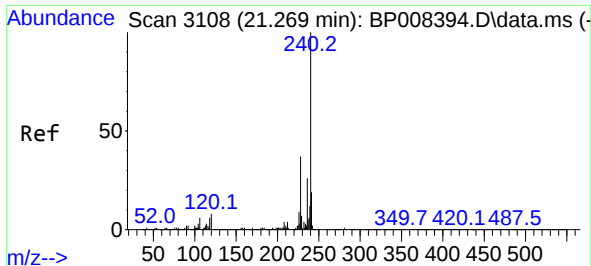


#75
 Fluoranthene
 Concen: 196.415 ng
 RT: 19.186 min Scan# 2754
 Delta R.T. 0.000 min
 Lab File: BP008463.D
 Acq: 16 Dec 2021 21:03



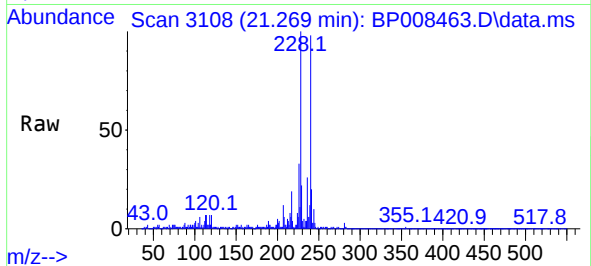
Tgt Ion:202 Resp: 3573400
 Ion Ratio Lower Upper
 202 100
 101 7.8 0.0 29.8
 203 18.0 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.269 min Scan# 3108
Delta R.T. 0.000 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03

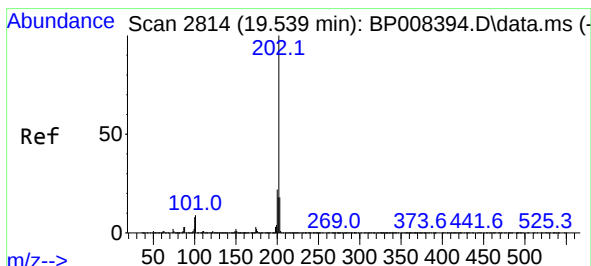
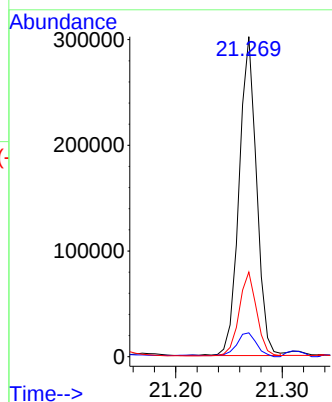
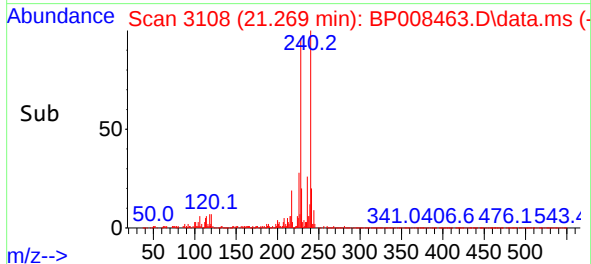
Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-GDL



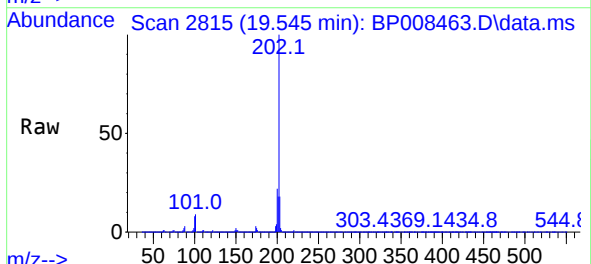
Tgt Ion:240 Resp: 345044
Ion Ratio Lower Upper
240 100
120 7.5 7.3 10.9
236 26.5 21.4 32.2

Manual Integrations
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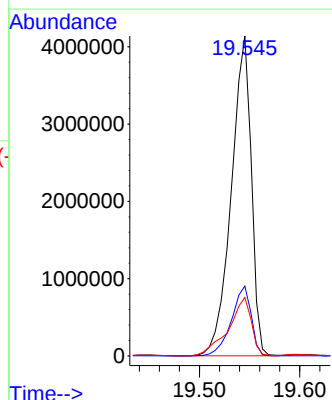
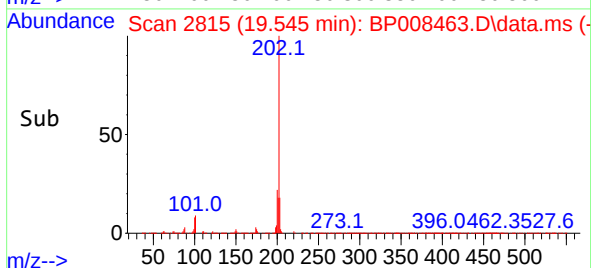
Reviewed By :Christian Giraldo 12/17/2021
Supervised By :Jagrut Upadhyay 12/20/2021

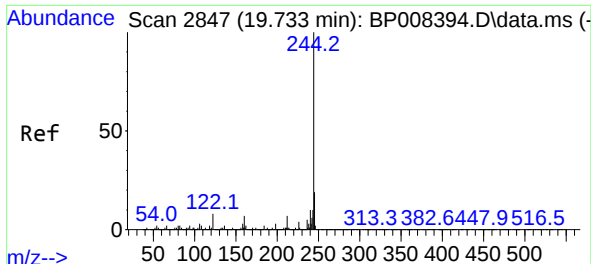


#78
Pyrene
Concen: 232.337 ng
RT: 19.545 min Scan# 2815
Delta R.T. 0.006 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03



Tgt Ion:202 Resp: 5735616
Ion Ratio Lower Upper
202 100
200 21.9 17.1 25.7
203 18.2 14.2 21.2





#79
 Terphenyl-d14
 Concen: 14.954 ng
 RT: 19.727 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP008463.D
 Acq: 16 Dec 2021 21:03

Instrument :

BNA_P

ClientSampleId :

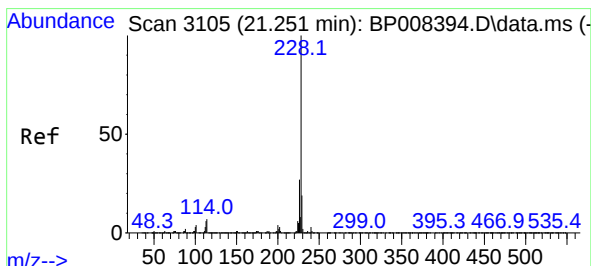
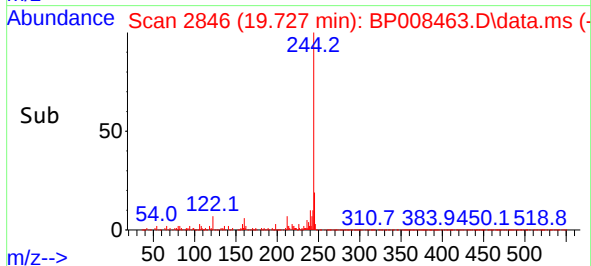
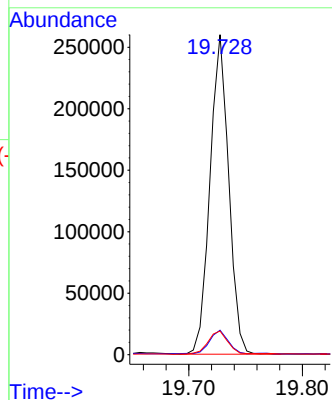
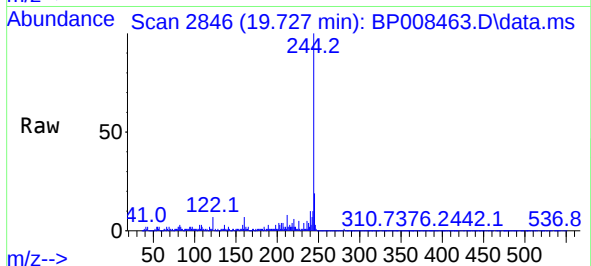
SB-9-SB-22-GDL

Tgt Ion:244 Resp: 296480
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.0 9.0
 122 7.4 6.6 9.8

Manual Integrations

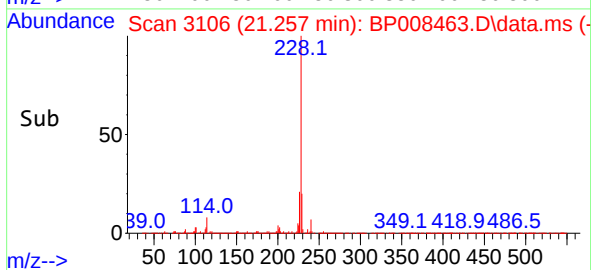
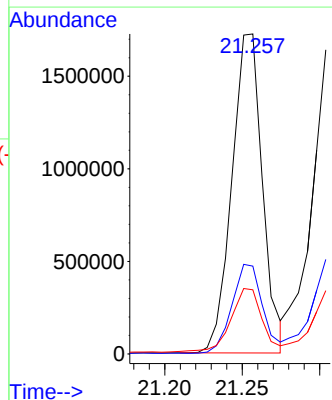
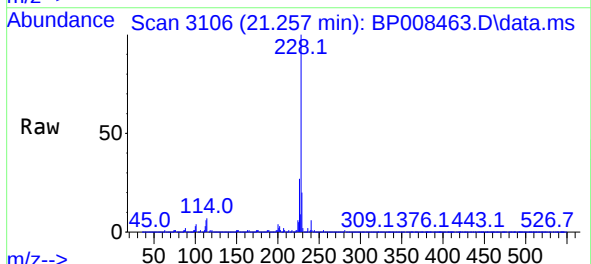
APPROVED

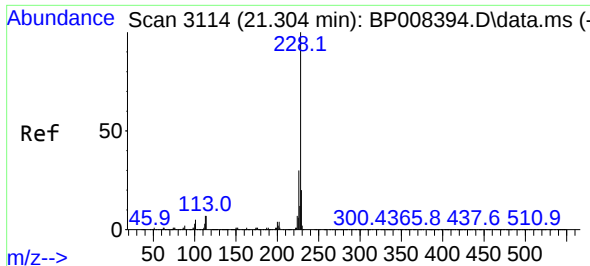
Reviewed By :Christian Giraldo 12/17/2021
 Supervised By :Jagrut Upadhyay 12/20/2021



#81
 Benzo(a)anthracene
 Concen: 102.279 ng
 RT: 21.257 min Scan# 3106
 Delta R.T. 0.006 min
 Lab File: BP008463.D
 Acq: 16 Dec 2021 21:03

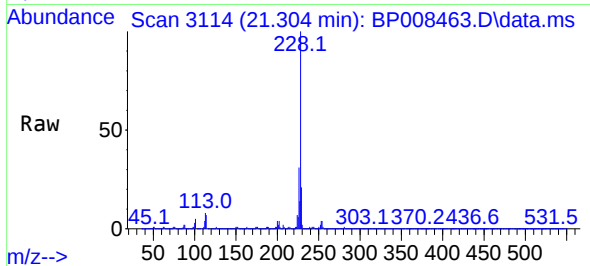
Tgt Ion:228 Resp: 2365097
 Ion Ratio Lower Upper
 228 100
 226 27.5 21.9 32.9
 229 20.1 15.9 23.9





#83
Chrysene
Concen: 99.612 ng
RT: 21.304 min Scan# 3114
Delta R.T. 0.000 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03

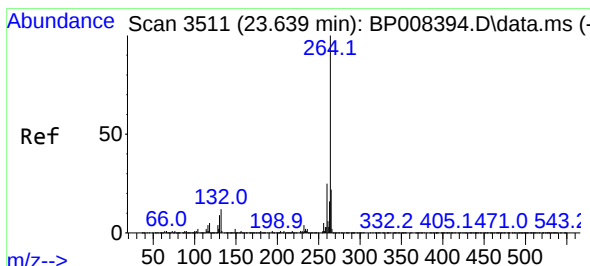
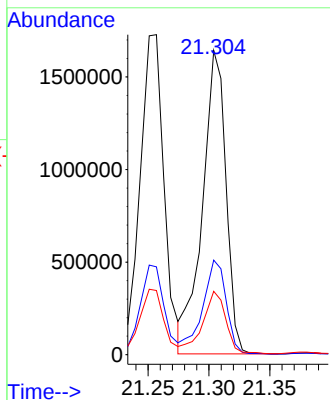
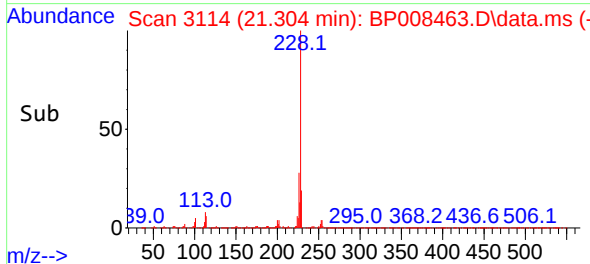
Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-GDL



Tgt Ion:228 Resp: 2200238
Ion Ratio Lower Upper
228 100
226 31.1 24.0 36.0
229 20.8 15.8 23.8

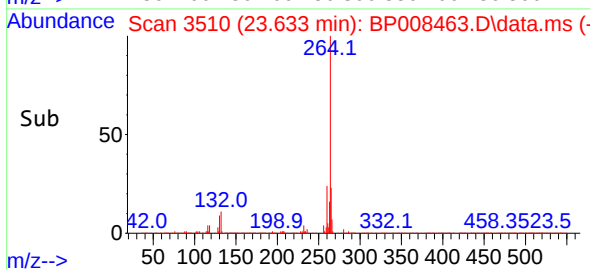
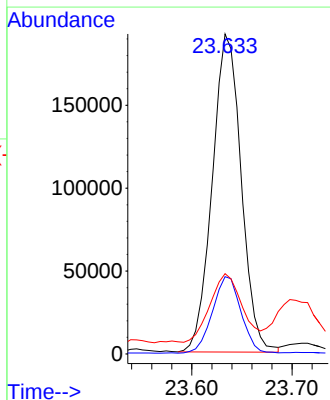
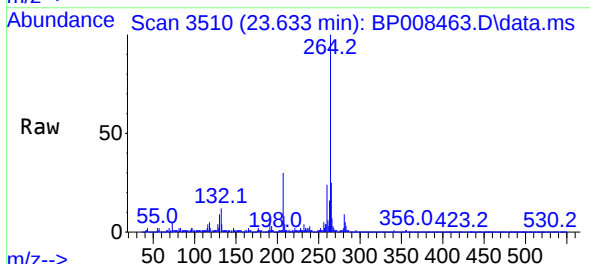
Manual Integrations
APPROVED

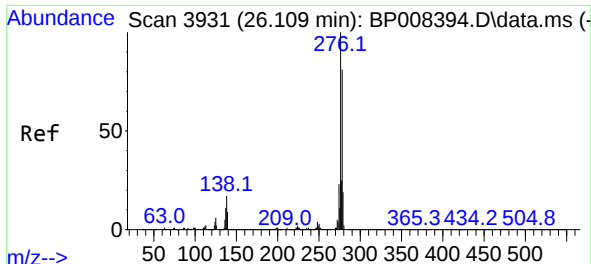
Reviewed By :Christian Giraldo 12/17/2021
Supervised By :Jagrut Upadhyay 12/20/2021



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.633 min Scan# 3510
Delta R.T. -0.006 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03

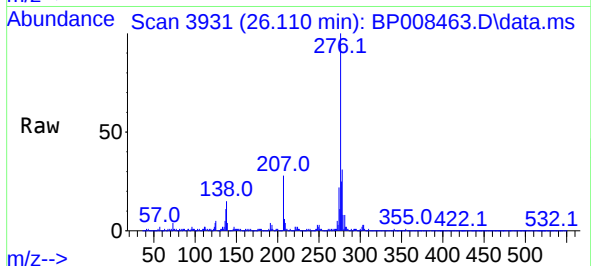
Tgt Ion:264 Resp: 384664
Ion Ratio Lower Upper
264 100
260 24.2 19.4 29.2
265 25.1 17.6 26.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 22.910 ng
RT: 26.110 min Scan# 3931
Delta R.T. 0.000 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03

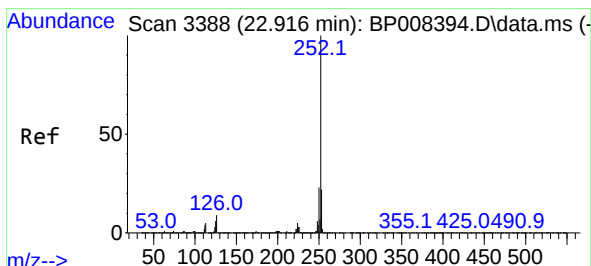
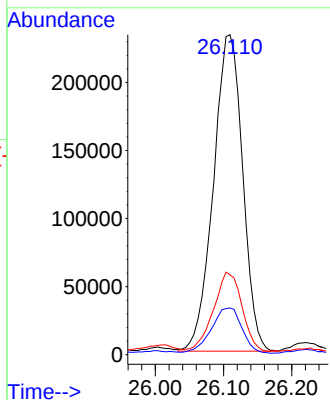
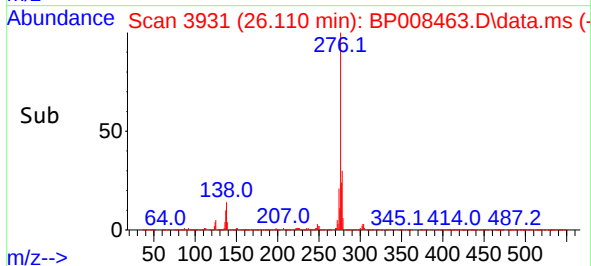
Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-GDL



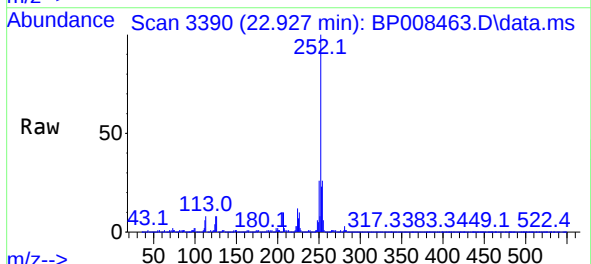
Tgt Ion: 276 Resp: 693709
Ion Ratio Lower Upper
276 100
138 15.0 16.6 25.0
277 24.4 20.2 30.2

Manual Integrations
APPROVED

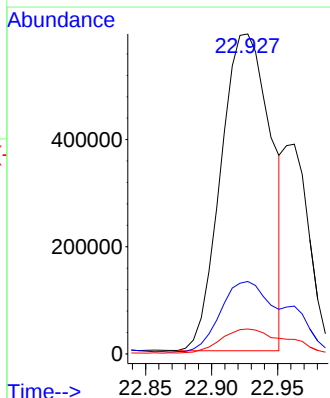
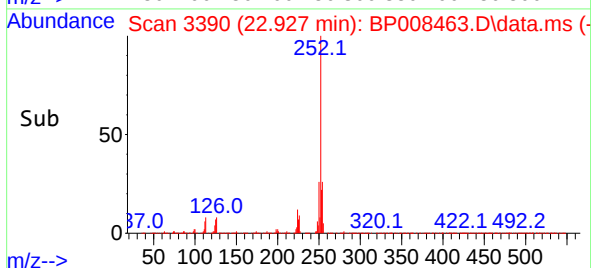
Reviewed By : Christian Giraldo 12/17/2021
Supervised By : Jagrut Upadhyay 12/20/2021

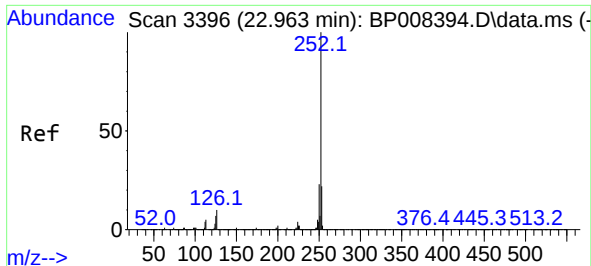


#88
Benzo(b)fluoranthene
Concen: 67.387 ng m
RT: 22.927 min Scan# 3390
Delta R.T. 0.012 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03



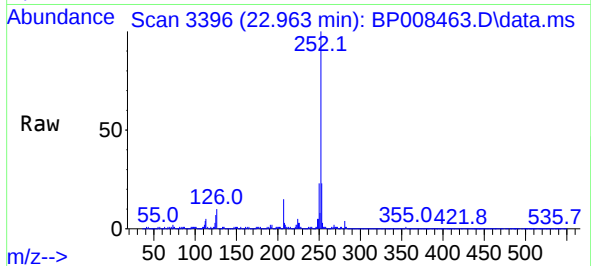
Tgt Ion: 252 Resp: 1559294
Ion Ratio Lower Upper
252 100
253 22.6 17.7 26.5
125 7.8 6.2 9.4





#89
Benzo(k)fluoranthene
Concen: 22.106 ng m
RT: 22.963 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03

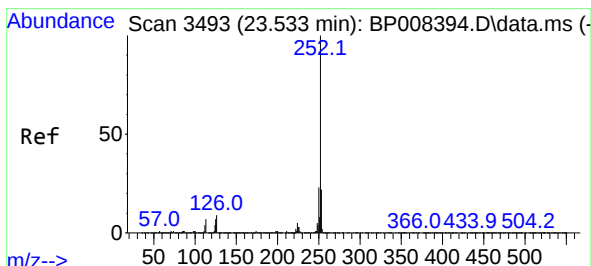
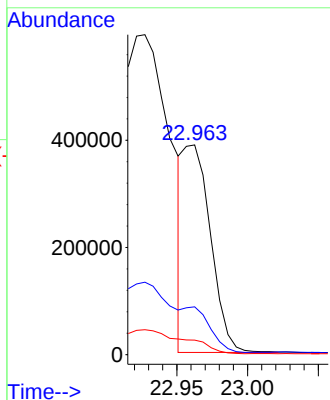
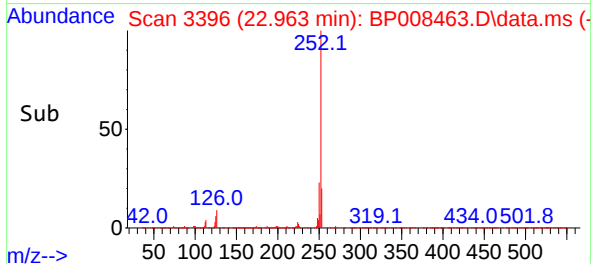
Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-GDL



Tgt Ion:252 Resp: 515829
Ion Ratio Lower Upper
252 100
253 22.8 17.3 25.9
125 6.9 6.5 9.7

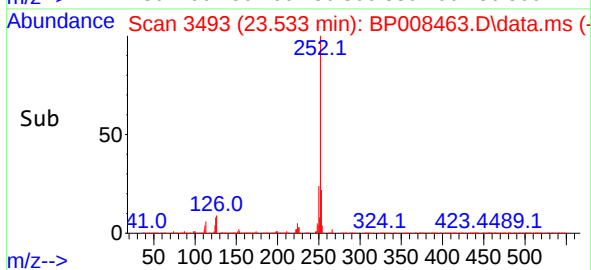
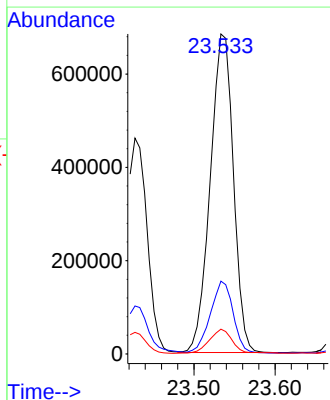
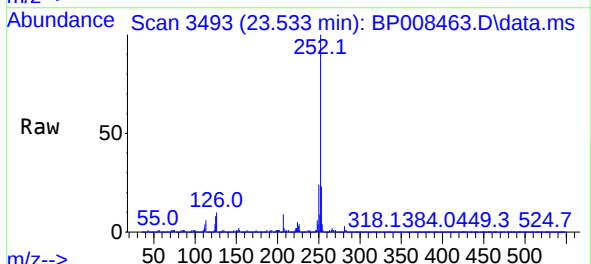
Manual Integrations
APPROVED

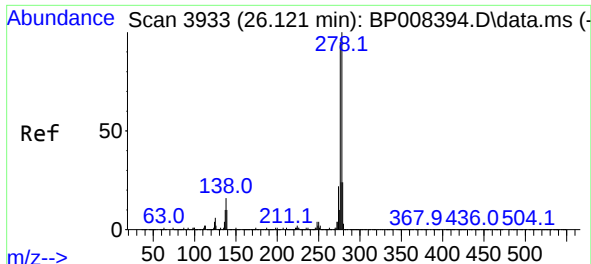
Reviewed By :Christian Giraldo 12/17/2021
Supervised By :Jagrut Upadhyay 12/20/2021



#90
Benzo(a)pyrene
Concen: 67.469 ng
RT: 23.533 min Scan# 3493
Delta R.T. 0.000 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03

Tgt Ion:252 Resp: 1355025
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 7.7 7.4 11.0





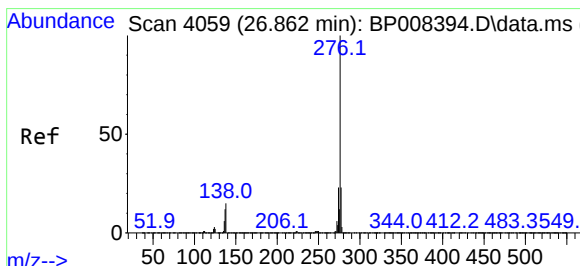
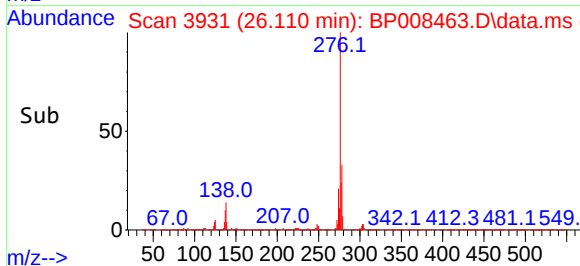
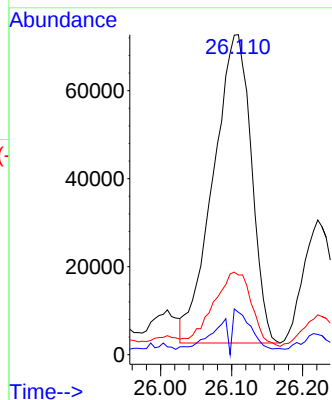
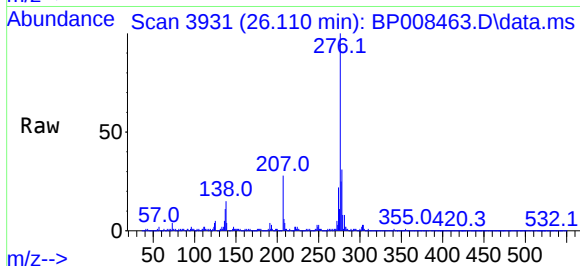
#91
Dibenzo(a,h)anthracene
Concen: 10.304 ng
RT: 26.110 min Scan# 3933
Delta R.T. -0.012 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03

Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-GDL

Tgt Ion:278 Resp: 26117
Ion Ratio Lower Upper
278 100
139 13.3 10.8 16.2
279 24.9 19.1 28.7

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/17/2021
Supervised By :Jagrut Upadhyay 12/20/2021



#92
Benzo(g,h,i)perylene
Concen: 27.801 ng
RT: 26.874 min Scan# 4061
Delta R.T. 0.012 min
Lab File: BP008463.D
Acq: 16 Dec 2021 21:03

Tgt Ion:276 Resp: 697799
Ion Ratio Lower Upper
276 100
277 24.4 20.0 30.0
138 14.7 14.1 21.1

