

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021822\
 Data File : BP009221.D
 Acq On : 18 Feb 2022 19:16
 Operator : CG/JU
 Sample : N1579-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-4R-N(1-1.5)

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/21/2022
 Supervised By : Jagrut Upadhyay 02/21/2022

Quant Time: Feb 19 00:50:22 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP020722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Feb 19 00:46:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	211480	20.000	ng	0.00
21) Naphthalene-d8	10.563	136	868753	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	615632	20.000	ng	0.00
64) Phenanthrene-d10	17.169	188	1390783	20.000	ng	0.00
76) Chrysene-d12	21.269	240	1629076	20.000	ng	-0.01
86) Perylene-d12	23.651	264	1666519	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.364	112	1192683	100.601	ng	0.00
7) Phenol-d6	6.958	99	1551340	99.307	ng	0.00
23) Nitrobenzene-d5	8.928	82	968705	62.882	ng	0.00
42) 2,4,6-Tribromophenol	15.916	330	877631	106.770	ng	0.00
45) 2-Fluorobiphenyl	13.028	172	2592164	58.943	ng	0.00
79) Terphenyl-d14	19.733	244	4671004	51.563	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.216	178	400765	5.322	ng	98
75) Fluoranthene	19.192	202	1143169	13.544	ng	96
78) Pyrene	19.545	202	1188084	10.252	ng	97
81) Benzo(a)anthracene	21.257	228	695658	6.626	ng	97
83) Chrysene	21.310	228	682100	6.740	ng	98
87) Indeno(1,2,3-cd)pyrene	26.139	276	398383	3.217	ng	# 94
88) Benzo(b)fluoranthene	22.933	252	905672	8.828	ng	99
89) Benzo(k)fluoranthene	22.974	252	294212m	2.874	ng	
90) Benzo(a)pyrene	23.551	252	627159	7.332	ng	98
92) Benzo(g,h,i)perylene	26.910	276	385457	3.804	ng	98

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

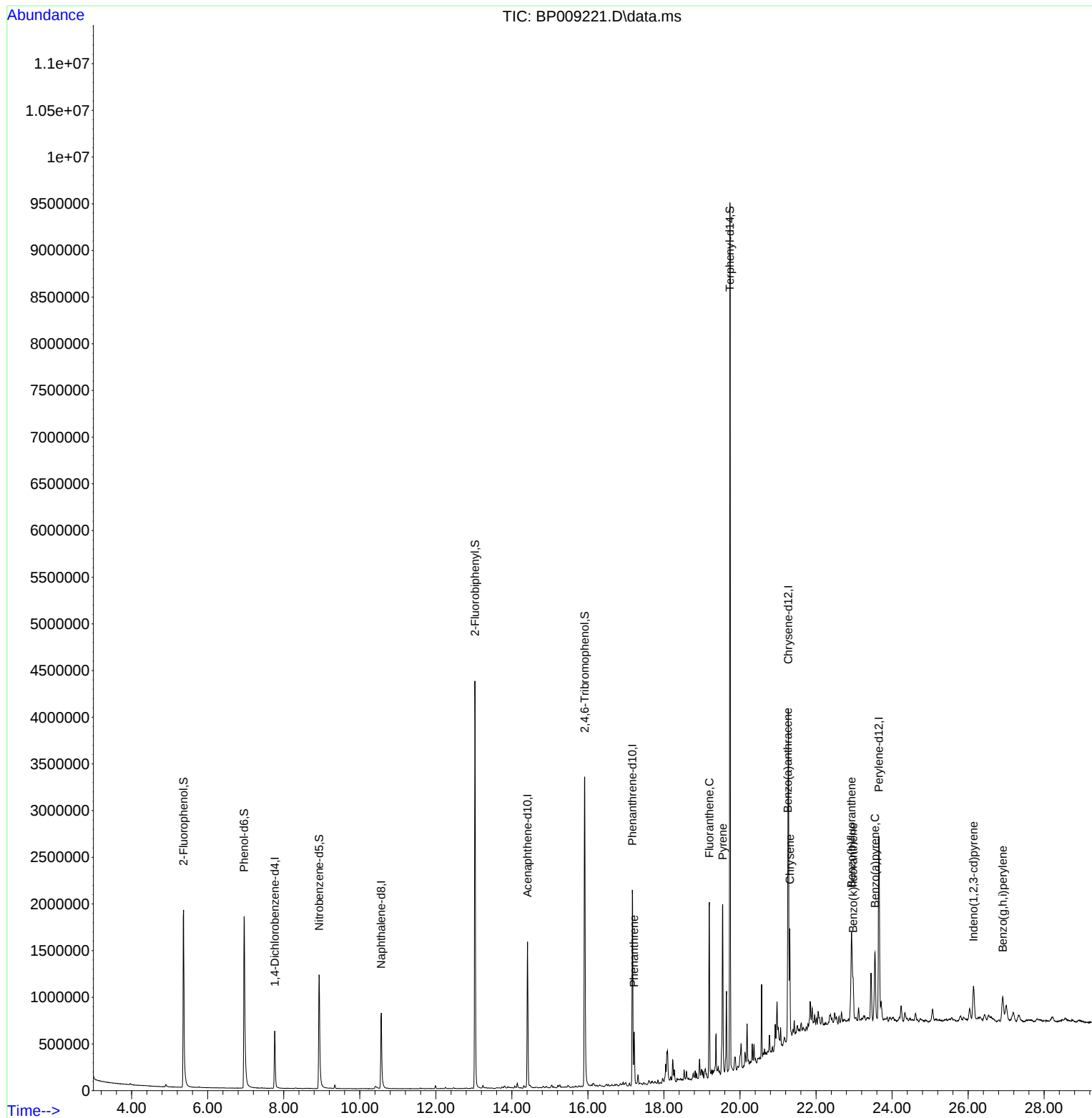
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021822\
Data File : BP009221.D
Acq On : 18 Feb 2022 19:16
Operator : CG/JU
Sample : N1579-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

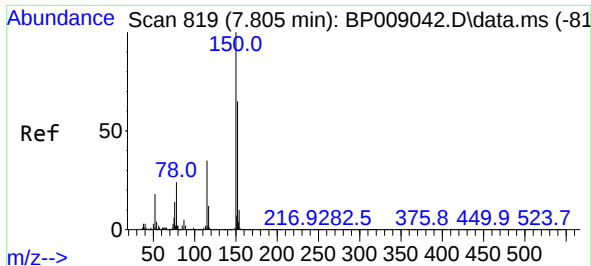
Instrument :
BNA_P
ClientSampleId :
SB-4R-N(1-1.5)

Quant Time: Feb 19 00:50:22 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP020722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 19 00:46:08 2022
Response via : Initial Calibration

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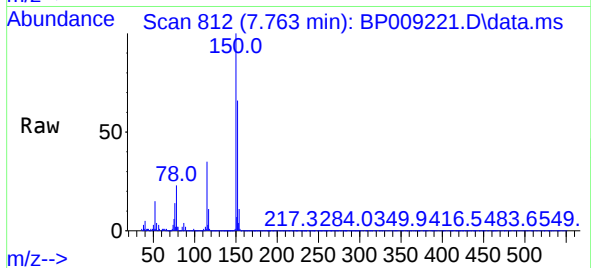
Reviewed By : Christian Giraldo 02/21/2022
Supervised By : Jagrut Upadhyay 02/21/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP009221.D
Acq: 18 Feb 2022 19:16

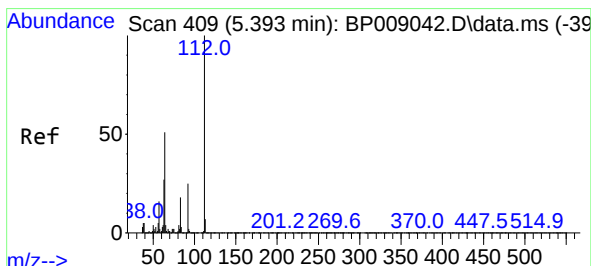
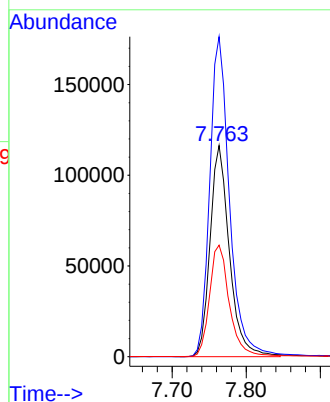
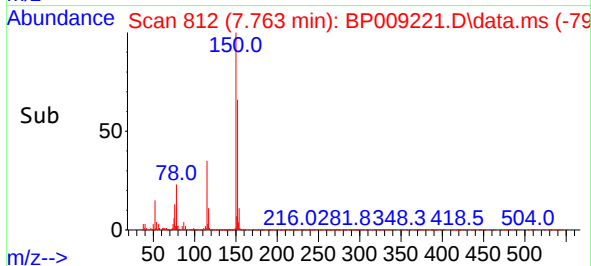
Instrument :
BNA_P
ClientSampleId :
SB-4R-N(1-1.5)



Tgt Ion:152 Resp: 211480
Ion Ratio Lower Upper
152 100
150 151.5 127.0 190.6
115 52.8 43.7 65.5

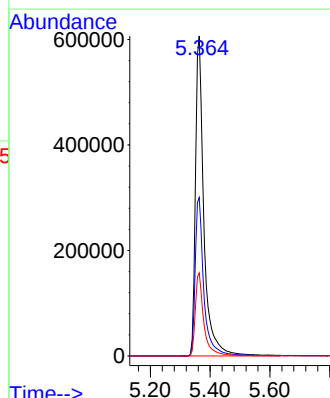
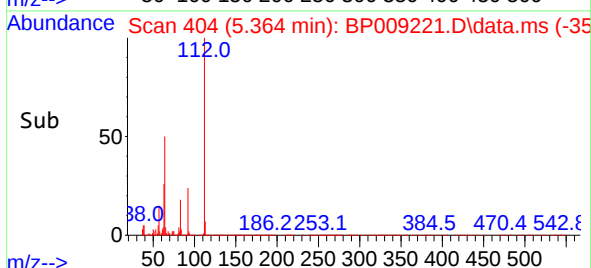
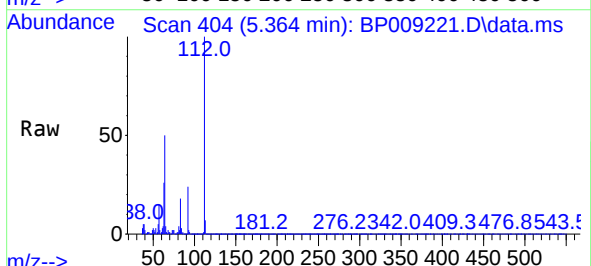
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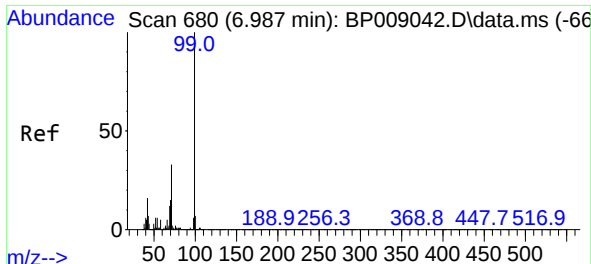
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022



#5
2-Fluorophenol
Concen: 100.601 ng
RT: 5.364 min Scan# 404
Delta R.T. -0.000 min
Lab File: BP009221.D
Acq: 18 Feb 2022 19:16

Tgt Ion:112 Resp: 1192683
Ion Ratio Lower Upper
112 100
64 49.5 39.7 59.5
63 26.0 20.0 30.0





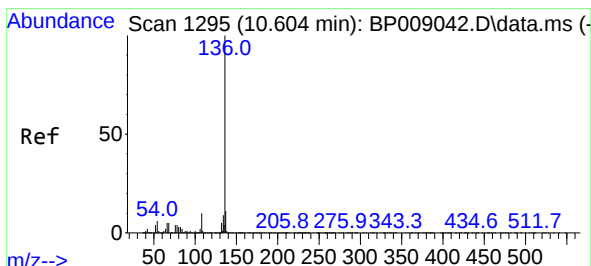
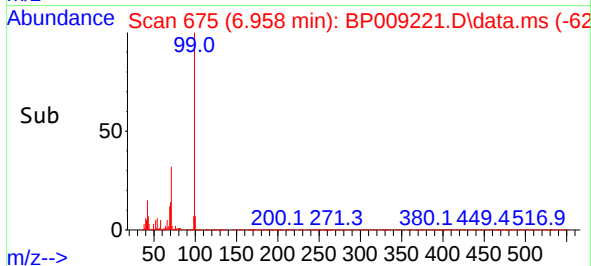
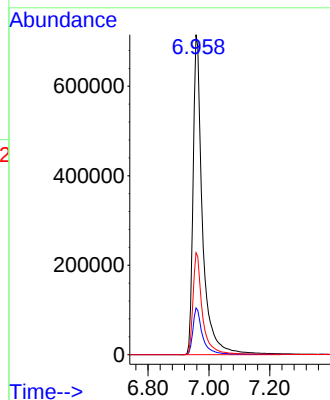
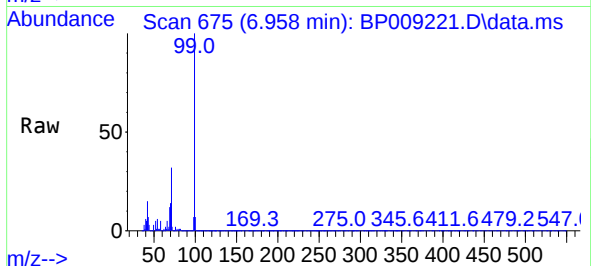
#7
Phenol-d6
Concen: 99.307 ng
RT: 6.958 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP009221.D
Acq: 18 Feb 2022 19:16

Instrument :
BNA_P
ClientSampleId :
SB-4R-N(1-1.5)

Tgt Ion: 99 Resp: 1551340
Ion Ratio Lower Upper
99 100
42 14.6 10.8 16.2
71 31.9 23.8 35.6

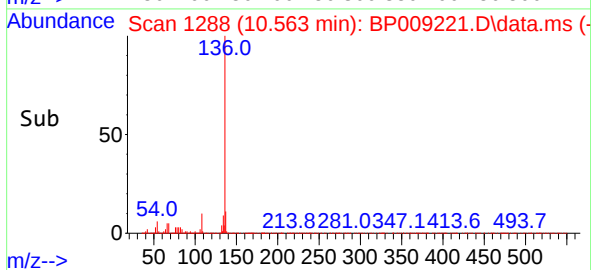
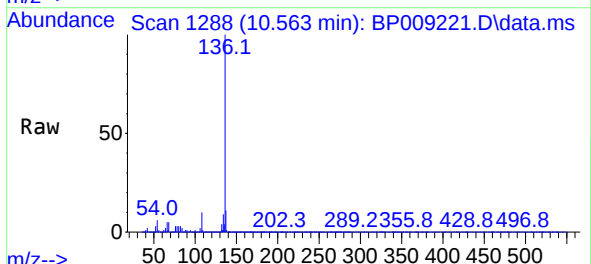
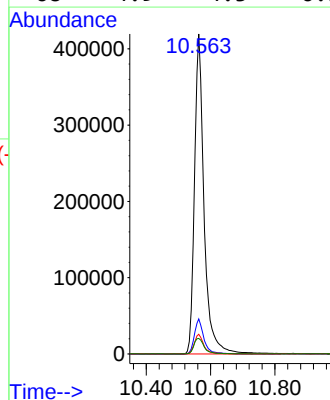
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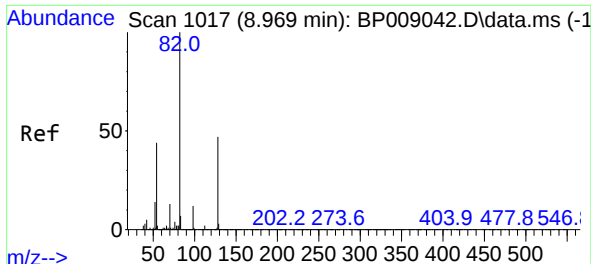
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1288
Delta R.T. -0.000 min
Lab File: BP009221.D
Acq: 18 Feb 2022 19:16

Tgt Ion:136 Resp: 868753
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 6.2 4.9 7.3
68 4.9 4.3 6.5





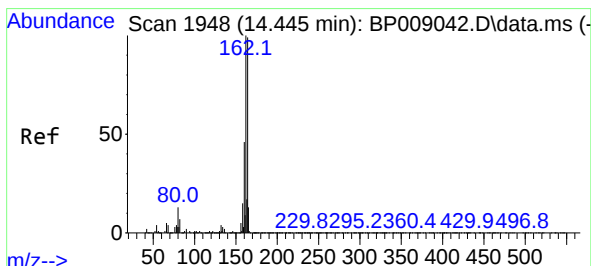
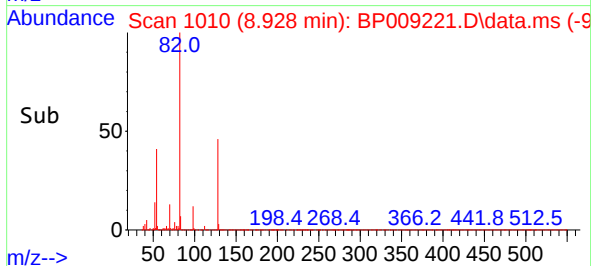
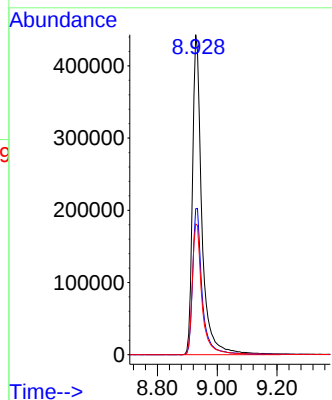
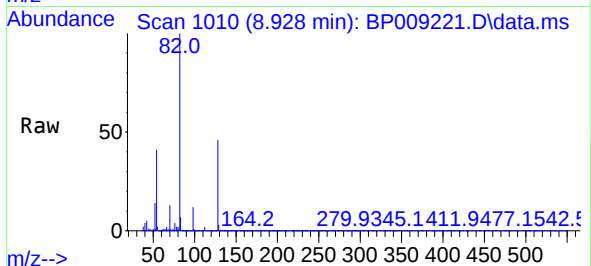
#23
Nitrobenzene-d5
Concen: 62.882 ng
RT: 8.928 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BP009221.D
Acq: 18 Feb 2022 19:16

Instrument :
BNA_P
ClientSampleId :
SB-4R-N(1-1.5)

Tgt Ion: 82 Resp: 96870
Ion Ratio Lower Upper
82 100
128 45.6 39.4 59.2
54 40.8 32.6 48.8

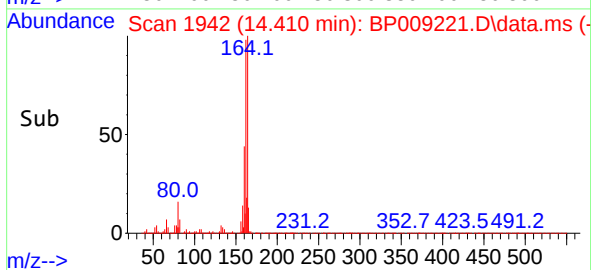
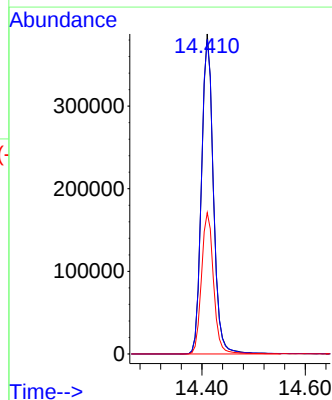
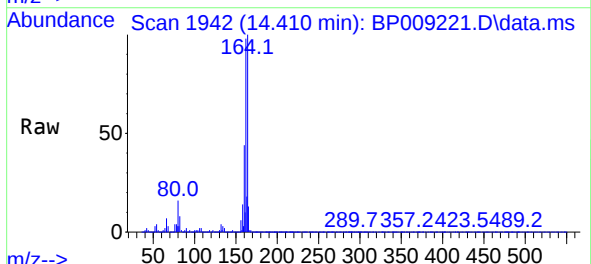
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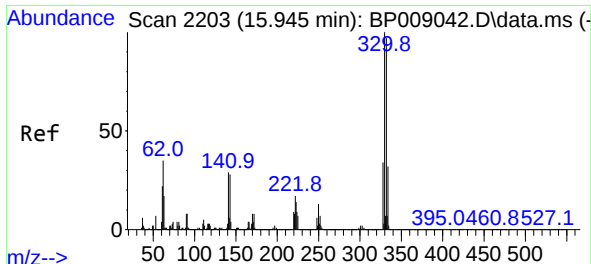
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.006 min
Lab File: BP009221.D
Acq: 18 Feb 2022 19:16

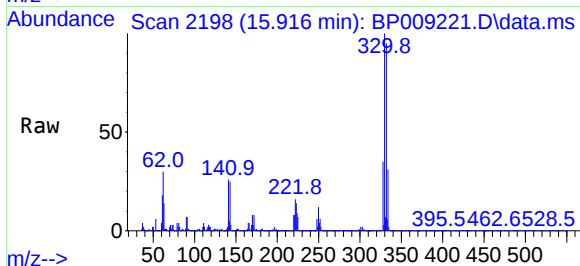
Tgt Ion:164 Resp: 615632
Ion Ratio Lower Upper
164 100
162 98.3 79.9 119.9
160 44.2 35.5 53.3





#42
2,4,6-Tribromophenol
Concen: 106.770 ng
RT: 15.916 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP009221.D
Acq: 18 Feb 2022 19:16

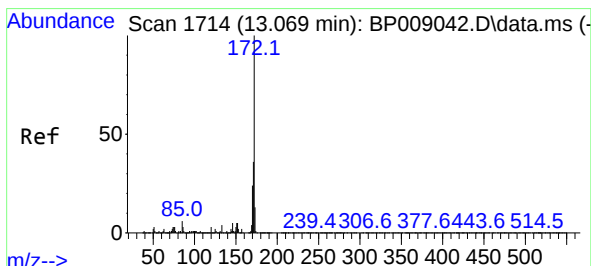
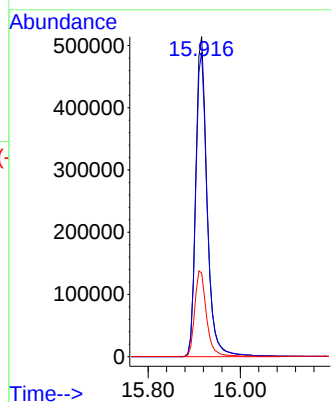
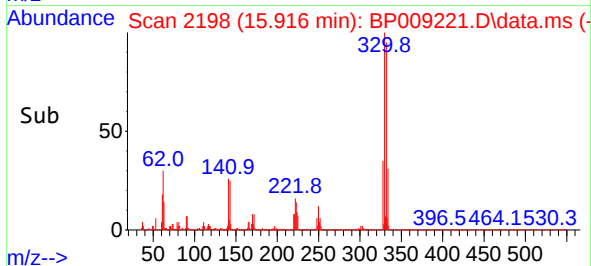
Instrument :
BNA_P
ClientSampleId :
SB-4R-N(1-1.5)



Tgt Ion:330 Resp: 87763
Ion Ratio Lower Upper
330 100
332 96.3 77.0 115.4
141 27.8 21.3 31.9

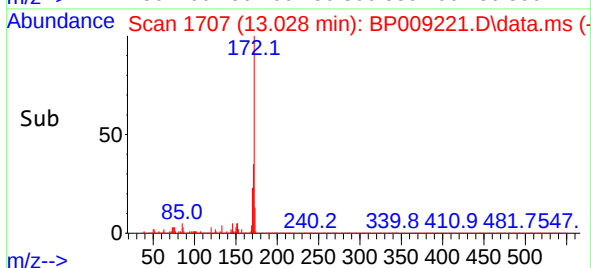
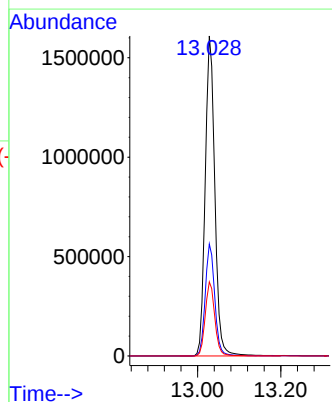
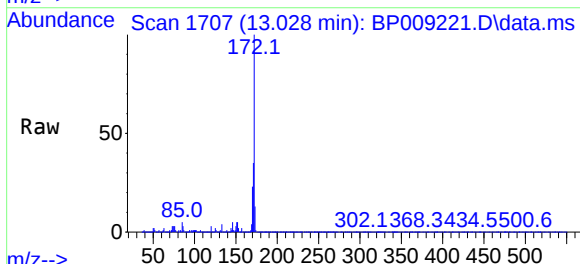
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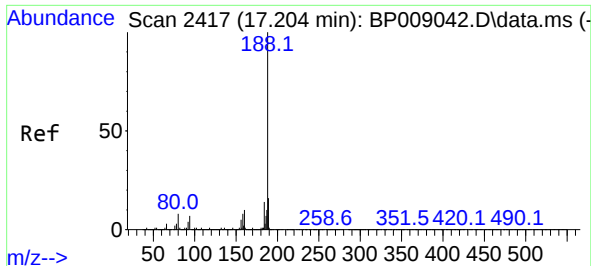
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022



#45
2-Fluorobiphenyl
Concen: 58.943 ng
RT: 13.028 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BP009221.D
Acq: 18 Feb 2022 19:16

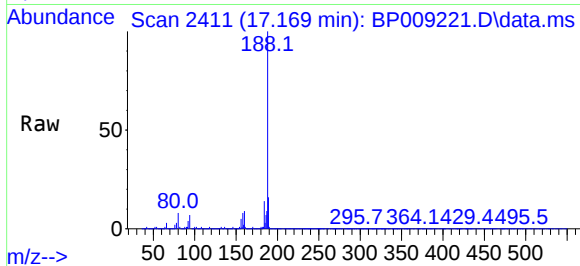
Tgt Ion:172 Resp: 2592164
Ion Ratio Lower Upper
172 100
171 35.0 29.3 43.9
170 23.2 19.5 29.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.169 min Scan# 2417
Delta R.T. -0.006 min
Lab File: BP009221.D
Acq: 18 Feb 2022 19:16

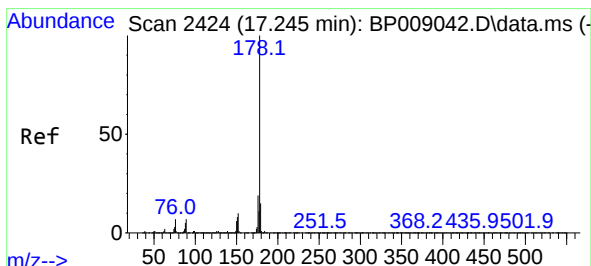
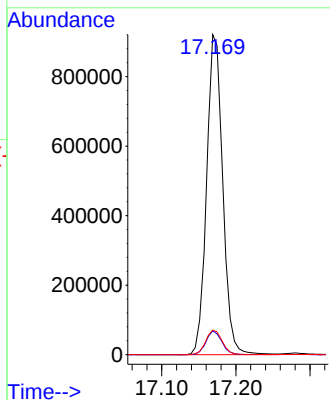
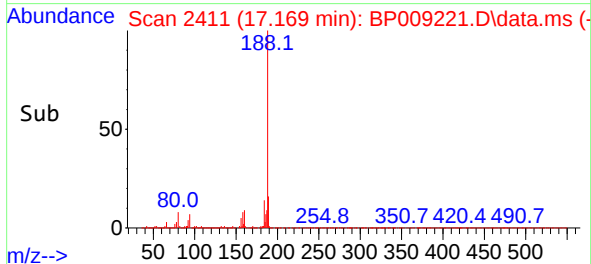
Instrument :
BNA_P
ClientSampleId :
SB-4R-N(1-1.5)



Tgt Ion:188 Resp: 139078
Ion Ratio Lower Upper
188 100
94 7.4 6.8 10.2
80 7.7 7.2 10.8

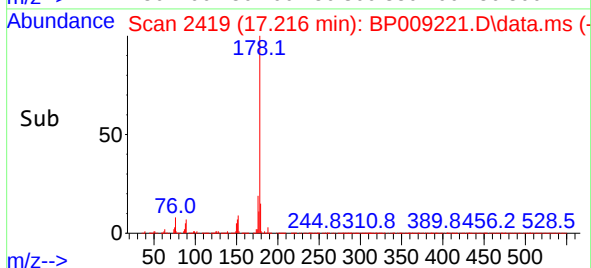
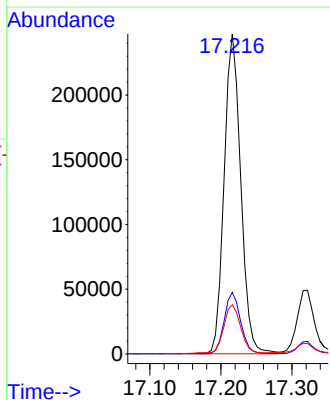
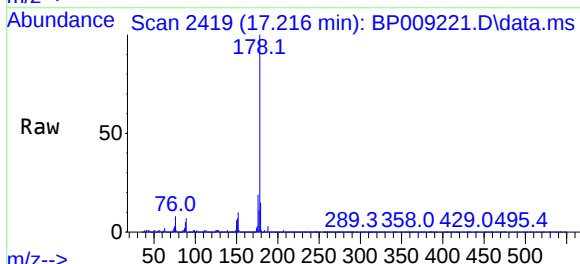
Manual Integrations
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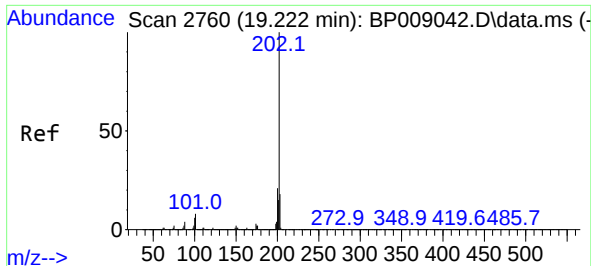
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022



#71
Phenanthrene
Concen: 5.322 ng
RT: 17.216 min Scan# 2419
Delta R.T. -0.006 min
Lab File: BP009221.D
Acq: 18 Feb 2022 19:16

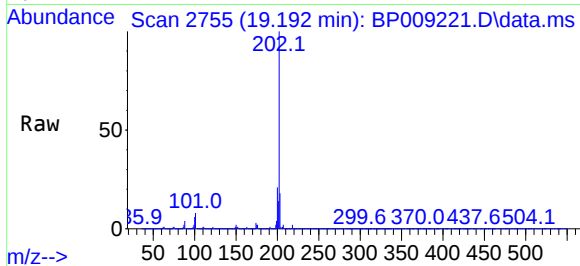
Tgt Ion:178 Resp: 400765
Ion Ratio Lower Upper
178 100
176 19.3 16.0 24.0
179 15.4 13.0 19.4





#75
Fluoranthene
Concen: 13.544 ng
RT: 19.192 min Scan# 2108
Delta R.T. -0.000 min
Lab File: BP009221.D
Acq: 18 Feb 2022 19:16

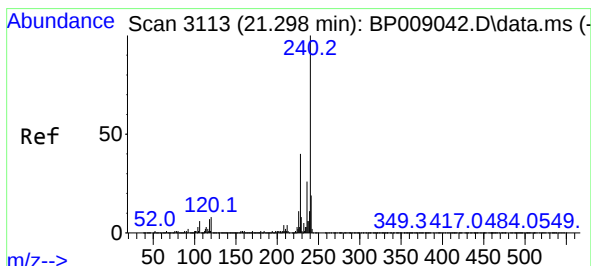
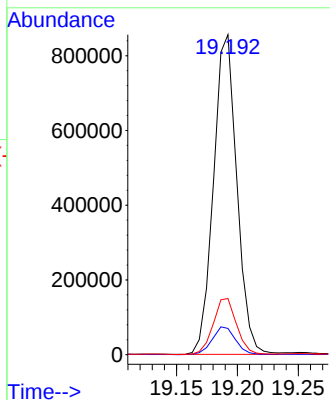
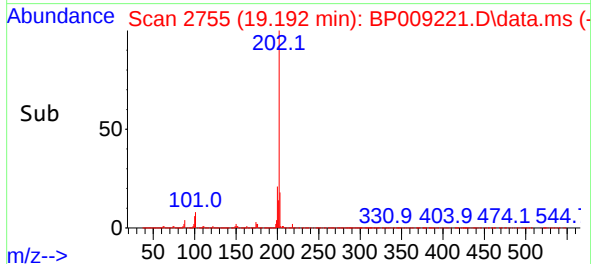
Instrument :
BNA_P
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SB-4R-N(1-1.5)



Tgt Ion:202 Resp: 1143169
Ion Ratio Lower Upper
202 100
101 8.2 0.0 30.7
203 17.6 0.0 38.9

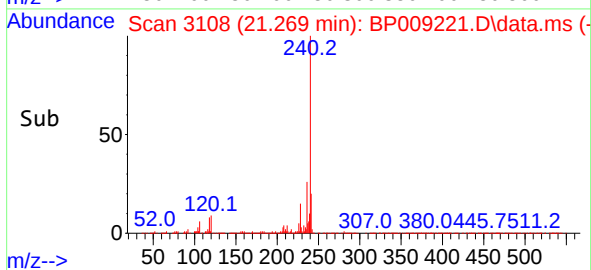
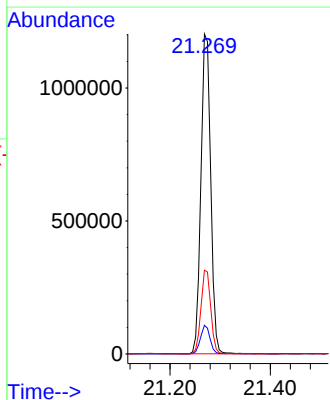
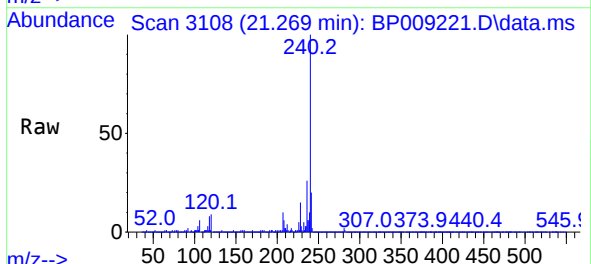
Manual Integrations
APPROVED

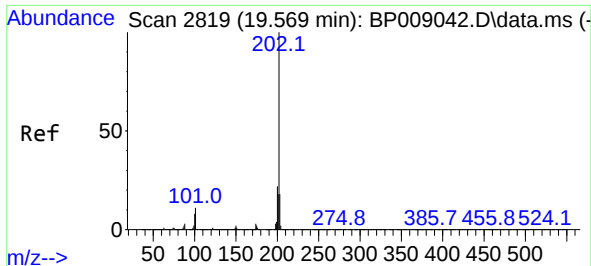
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.269 min Scan# 3108
Delta R.T. -0.012 min
Lab File: BP009221.D
Acq: 18 Feb 2022 19:16

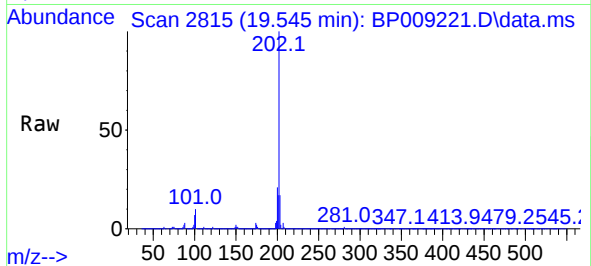
Tgt Ion:240 Resp: 1629076
Ion Ratio Lower Upper
240 100
120 9.0 7.7 11.5
236 26.2 21.2 31.8





#78
Pyrene
Concen: 10.252 ng
RT: 19.545 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP009221.D
Acq: 18 Feb 2022 19:16

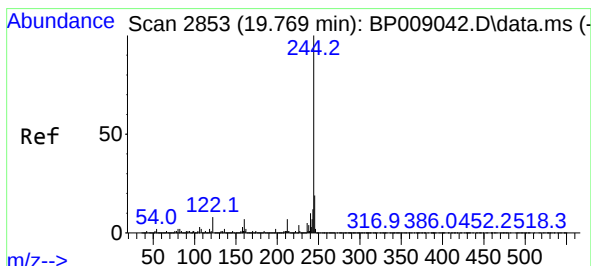
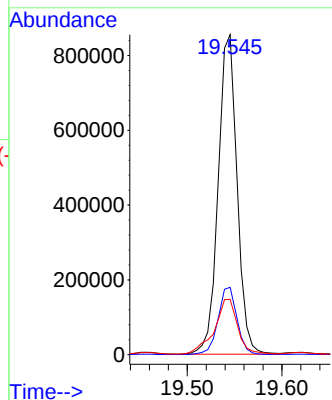
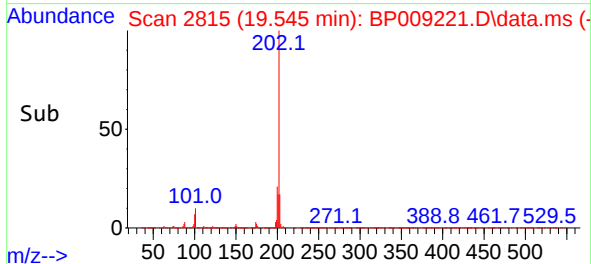
Instrument :
BNA_P
ClientSampleId :
SB-4R-N(1-1.5)



Tgt Ion:202 Resp: 1188084
Ion Ratio Lower Upper
202 100
200 21.0 18.0 27.0
203 17.3 15.0 22.6

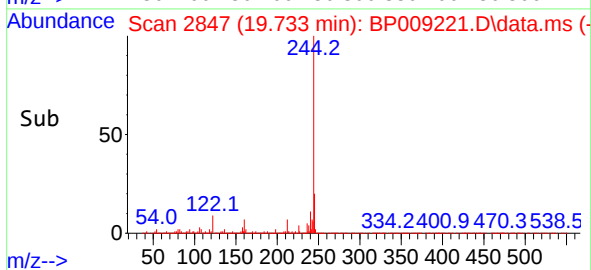
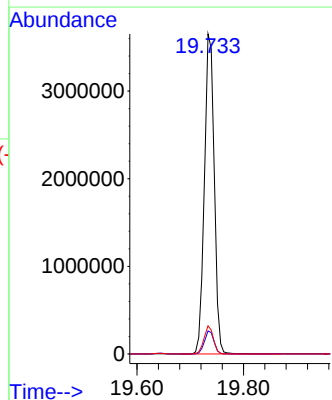
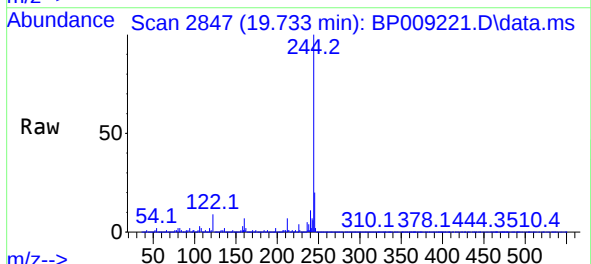
Manual Integrations
APPROVED

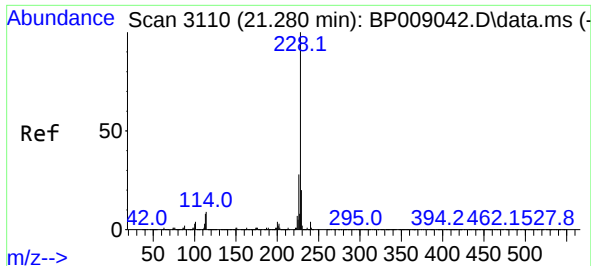
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022



#79
Terphenyl-d14
Concen: 51.563 ng
RT: 19.733 min Scan# 2847
Delta R.T. -0.012 min
Lab File: BP009221.D
Acq: 18 Feb 2022 19:16

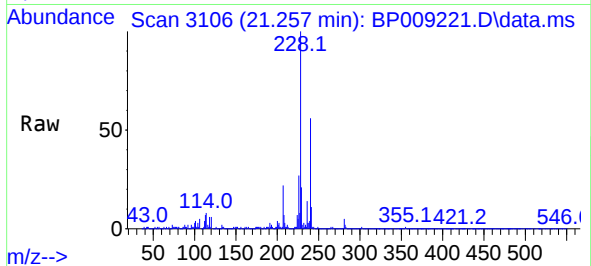
Tgt Ion:244 Resp: 4671004
Ion Ratio Lower Upper
244 100
212 7.2 6.5 9.7
122 8.8 9.2 13.8#





#81
Benzo(a)anthracene
Concen: 6.626 ng
RT: 21.257 min Scan# 3110
Delta R.T. -0.006 min
Lab File: BP009221.D
Acq: 18 Feb 2022 19:16

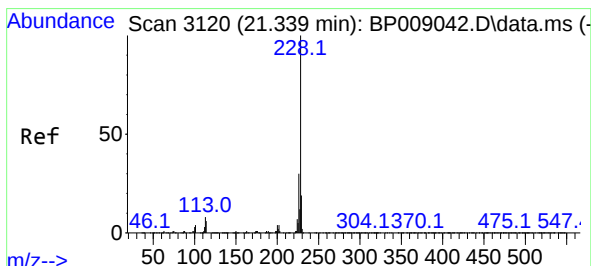
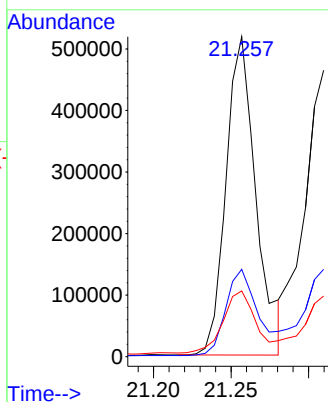
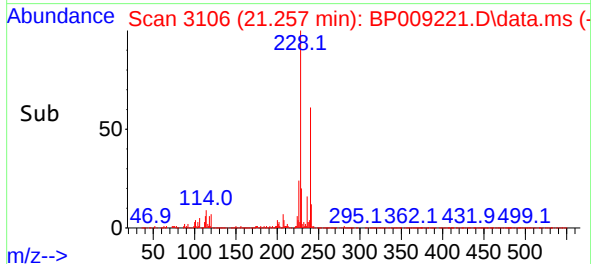
Instrument :
BNA_P
ClientSampleId :
SB-4R-N(1-1.5)



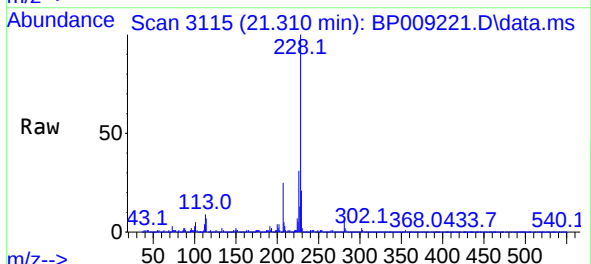
Tgt Ion:228 Resp: 695658
Ion Ratio Lower Upper
228 100
226 27.3 23.3 34.9
229 20.6 17.0 25.6

Manual Integrations
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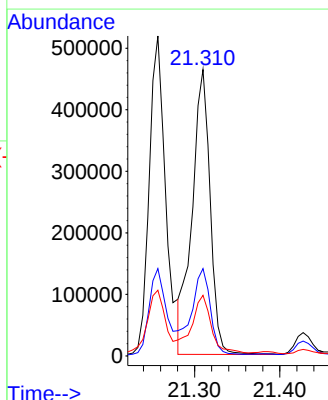
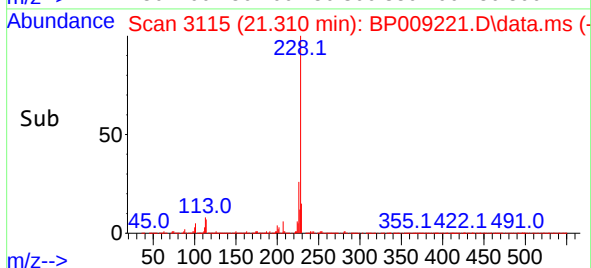
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022

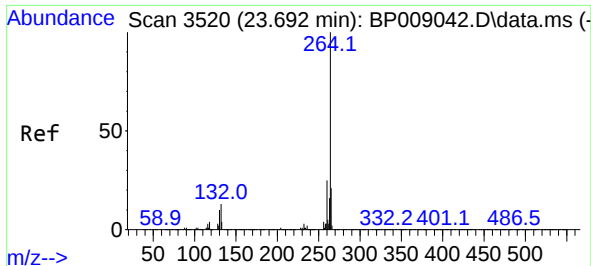


#83
Chrysene
Concen: 6.740 ng
RT: 21.310 min Scan# 3115
Delta R.T. -0.006 min
Lab File: BP009221.D
Acq: 18 Feb 2022 19:16



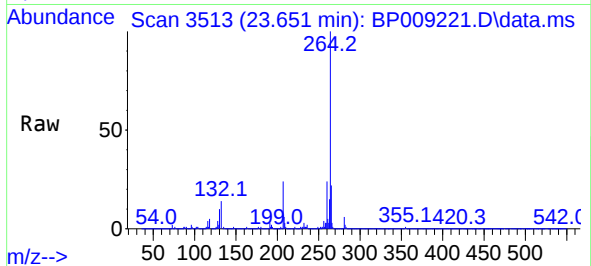
Tgt Ion:228 Resp: 682100
Ion Ratio Lower Upper
228 100
226 30.5 26.0 39.0
229 21.2 16.9 25.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.651 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP009221.D
Acq: 18 Feb 2022 19:16

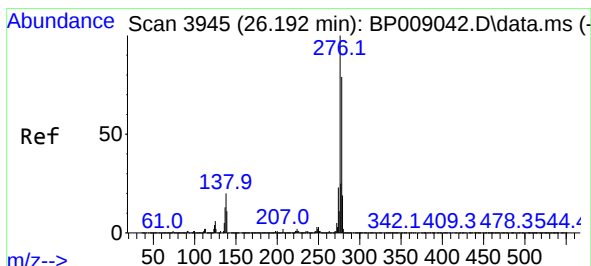
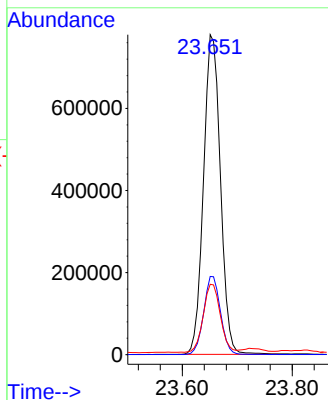
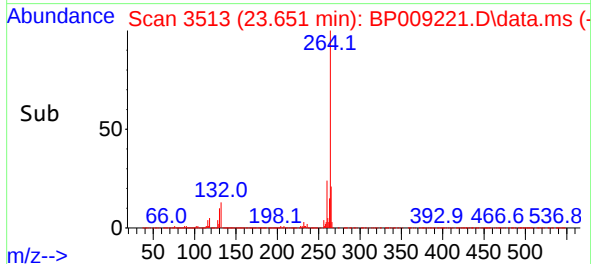
Instrument :
BNA_P
ClientSampleId :
SB-4R-N(1-1.5)



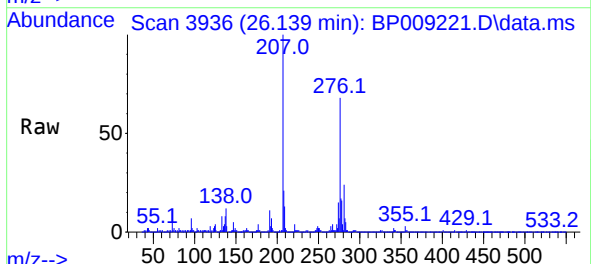
Tgt Ion:264 Resp: 1666519
Ion Ratio Lower Upper
264 100
260 24.4 19.1 28.7
265 22.0 17.1 25.7

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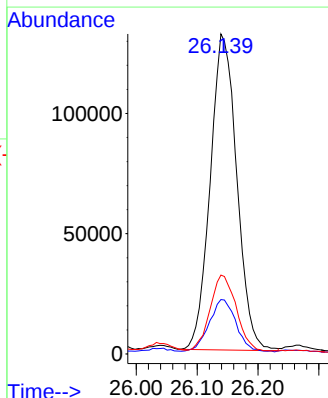
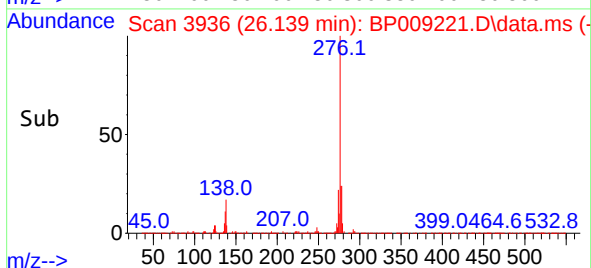
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022

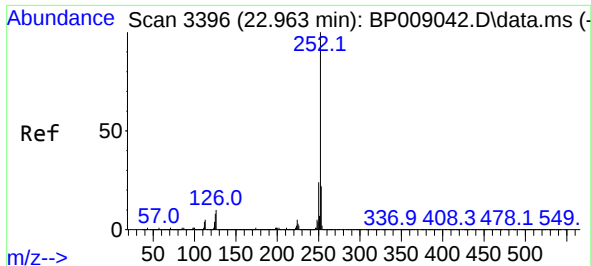


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.217 ng
RT: 26.139 min Scan# 3936
Delta R.T. -0.018 min
Lab File: BP009221.D
Acq: 18 Feb 2022 19:16



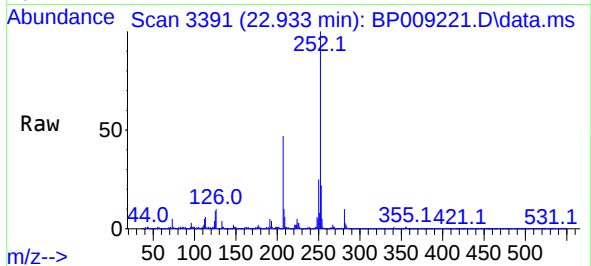
Tgt Ion:276 Resp: 398383
Ion Ratio Lower Upper
276 100
138 17.1 17.8 26.6#
277 24.2 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 8.828 ng
RT: 22.933 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP009221.D
Acq: 18 Feb 2022 19:16

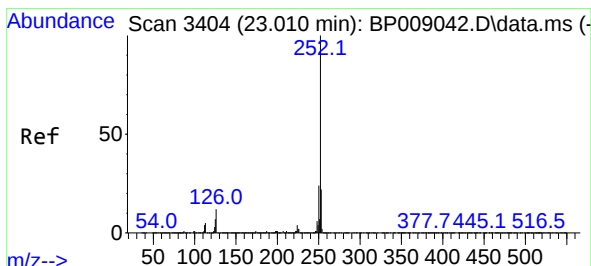
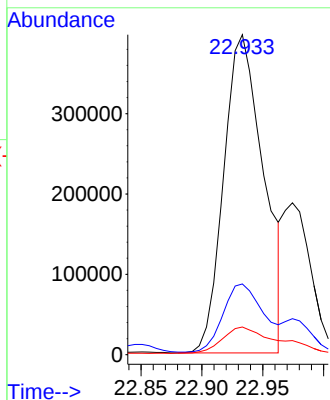
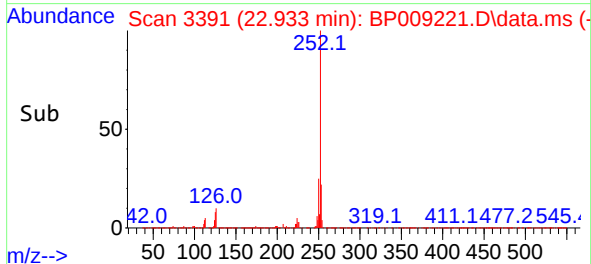
Instrument :
BNA_P
ClientSampleId :
SB-4R-N(1-1.5)



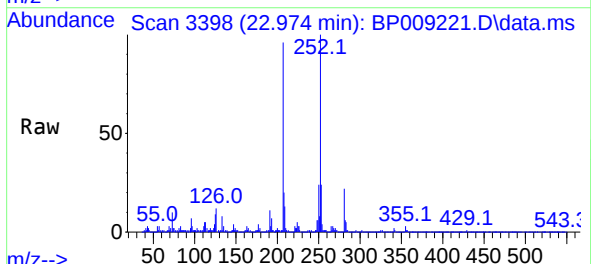
Tgt Ion:252 Resp: 905672
Ion Ratio Lower Upper
252 100
253 22.1 18.0 27.0
125 8.6 6.9 10.3

Manual Integrations
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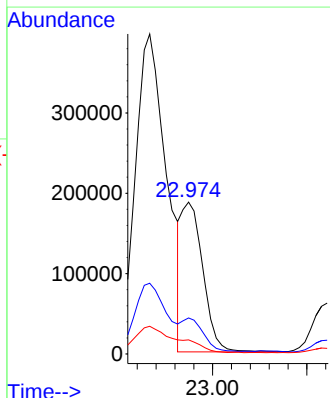
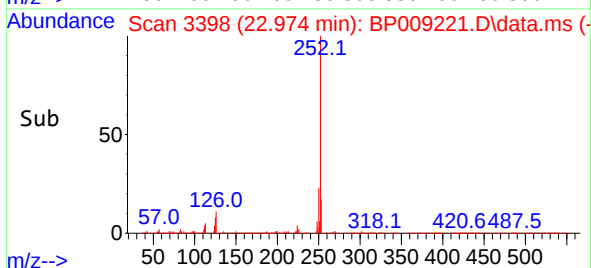
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022

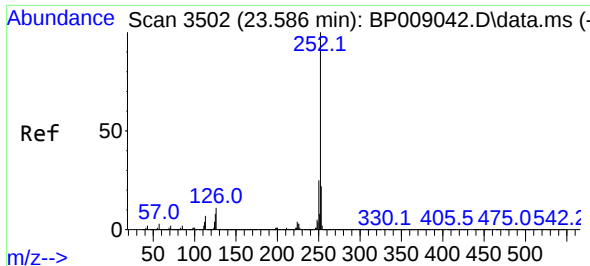


#89
Benzo(k)fluoranthene
Concen: 2.874 ng m
RT: 22.974 min Scan# 3398
Delta R.T. -0.012 min
Lab File: BP009221.D
Acq: 18 Feb 2022 19:16



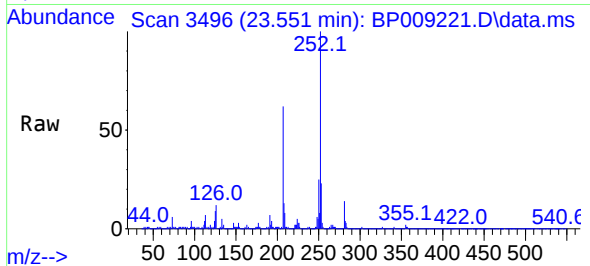
Tgt Ion:252 Resp: 294212
Ion Ratio Lower Upper
252 100
253 23.7 18.2 27.2
125 9.2 7.3 10.9





#90
Benzo(a)pyrene
Concen: 7.332 ng
RT: 23.551 min Scan# 34
Delta R.T. -0.006 min
Lab File: BP009221.D
Acq: 18 Feb 2022 19:16

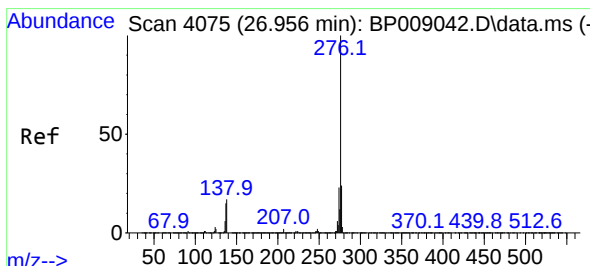
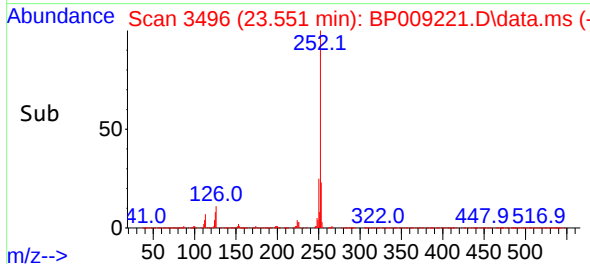
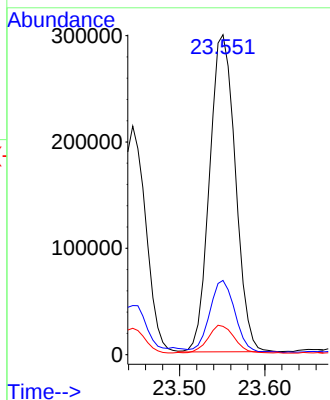
Instrument :
BNA_P
ClientSampleId :
SB-4R-N(1-1.5)



Tgt Ion:252 Resp: 627159
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.8
125 8.9 7.8 11.6

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Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022



#92
Benzo(g,h,i)perylene
Concen: 3.804 ng
RT: 26.910 min Scan# 4067
Delta R.T. -0.012 min
Lab File: BP009221.D
Acq: 18 Feb 2022 19:16

Tgt Ion:276 Resp: 385457
Ion Ratio Lower Upper
276 100
277 24.6 19.2 28.8
138 17.4 15.0 22.4

