

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021822\
 Data File : BP009224.D
 Acq On : 18 Feb 2022 20:56
 Operator : CG/JU
 Sample : N1579-09
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-4R-EE(0-0.5)

Manual Integrations
 APPROVED

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

Quant Time: Feb 19 00:50:55 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	209491	20.000	ng	0.00
21) Naphthalene-d8	10.557	136	867744	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	613764	20.000	ng	0.00
64) Phenanthrene-d10	17.169	188	1361014	20.000	ng	0.00
76) Chrysene-d12	21.269	240	1453310	20.000	ng	-0.01
86) Perylene-d12	23.651	264	1332447	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	1212546	103.248	ng	0.00
7) Phenol-d6	6.958	99	1629421	105.295	ng	0.00
23) Nitrobenzene-d5	8.928	82	1025266	66.631	ng	0.00
42) 2,4,6-Tribromophenol	15.916	330	950645	116.005	ng	0.00
45) 2-Fluorobiphenyl	13.028	172	2782725	63.469	ng	0.00
79) Terphenyl-d14	19.733	244	4613415	57.086	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.216	178	188505	2.558	ng	97
75) Fluoranthene	19.186	202	619870	7.505	ng	98
78) Pyrene	19.539	202	745221	7.208	ng	97
81) Benzo(a)anthracene	21.257	228	397549	4.245	ng	98
83) Chrysene	21.310	228	459330m	5.088	ng	
88) Benzo(b)fluoranthene	22.933	252	518566	6.322	ng	99
89) Benzo(k)fluoranthene	22.974	252	178888m	2.186	ng	
90) Benzo(a)pyrene	23.551	252	345279	5.049	ng	99
92) Benzo(g,h,i)perylene	26.909	276	220893	2.727	ng	97

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

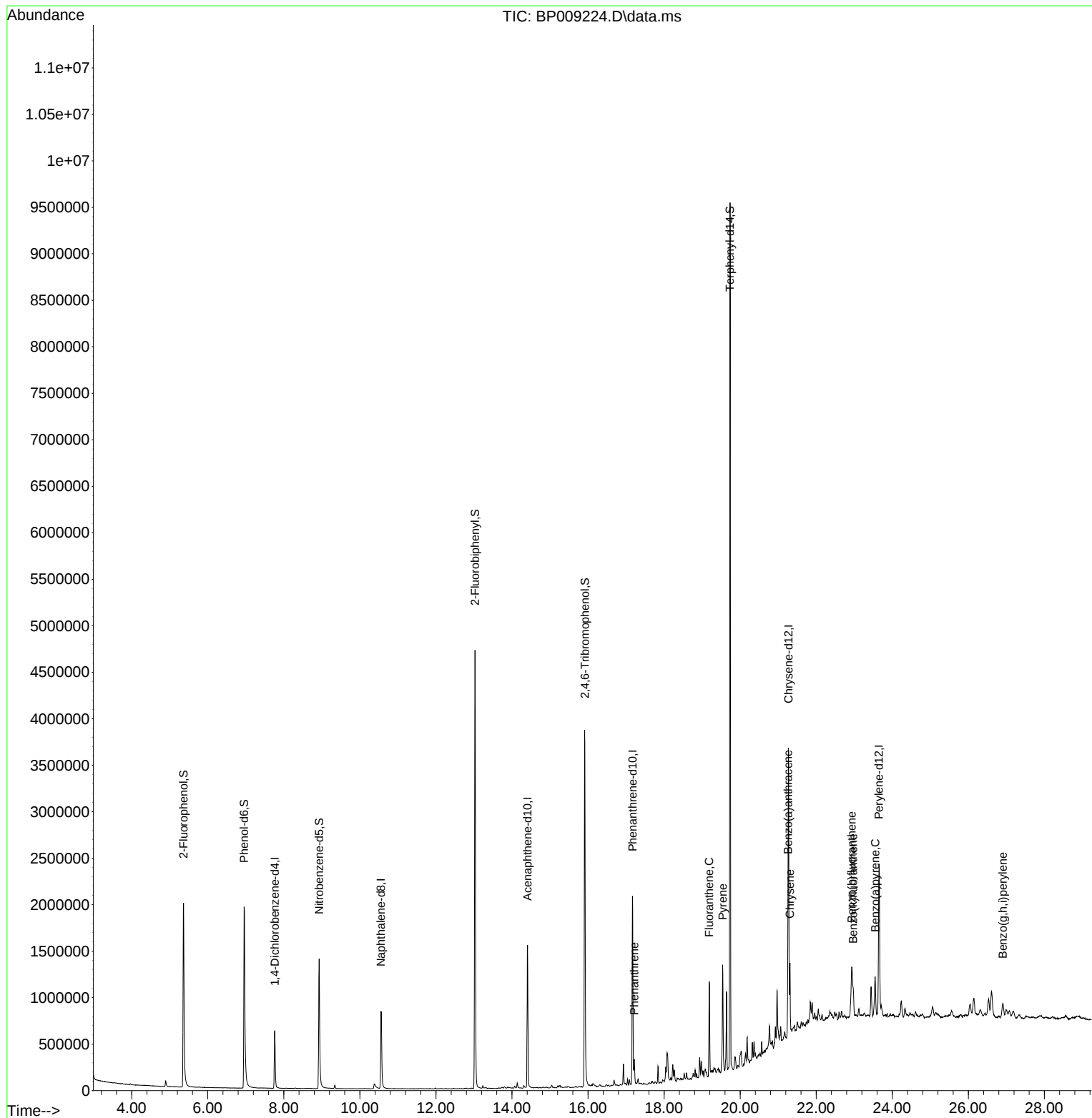
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021822\
Data File : BP009224.D
Acq On : 18 Feb 2022 20:56
Operator : CG/JU
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ALS Vial : 17 Sample Multiplier: 1

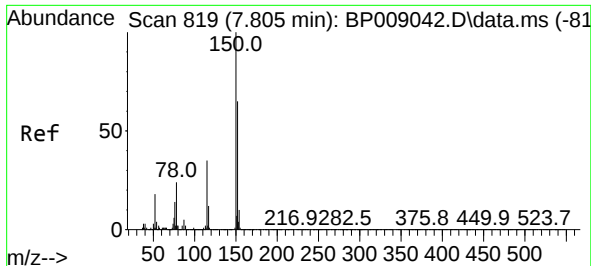
Instrument :
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Supervised By : Jagrut Upadhyay 02/21/2022

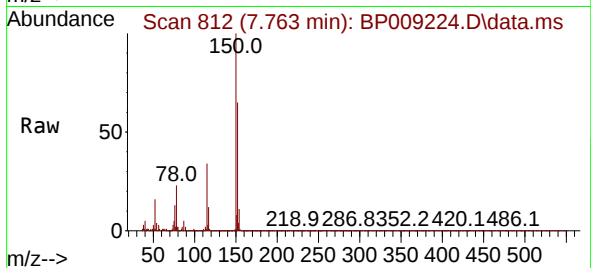
Quant Time: Feb 19 00:50:55 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP020722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 19 00:46:08 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP009224.D
Acq: 18 Feb 2022 20:56

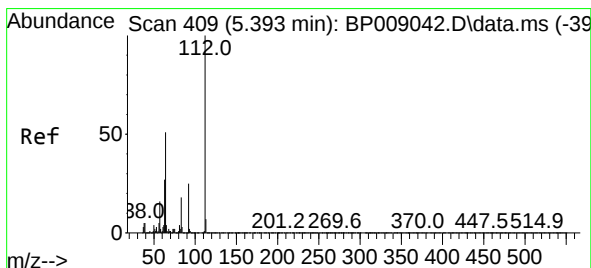
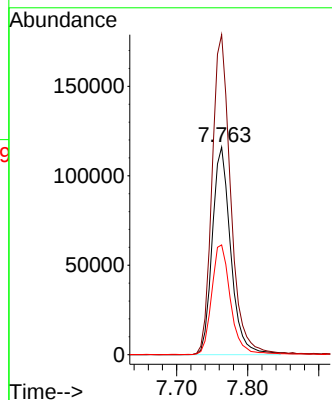
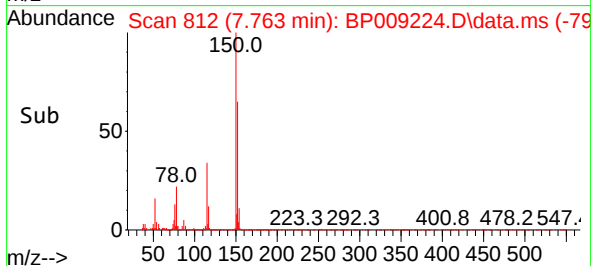
Instrument :
BNA_P
ClientSampleId :
SB-4R-EE(0-0.5)



Tgt Ion:152 Resp: 20949
Ion Ratio Lower Upper
152 100
150 154.2 127.0 190.6
115 52.9 43.7 65.5

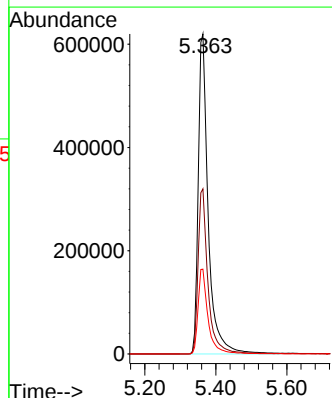
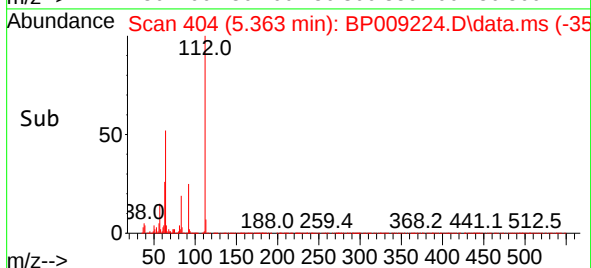
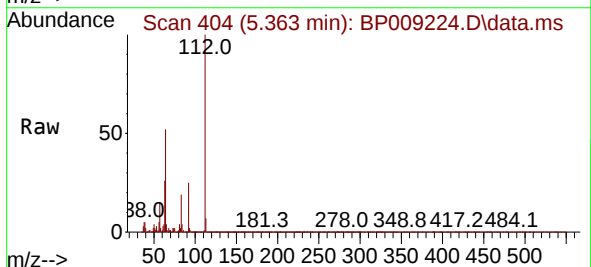
Manual Integrations
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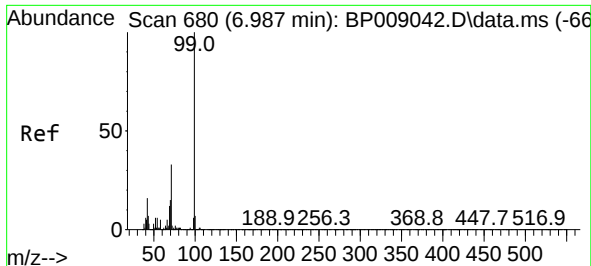
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022



#5
2-Fluorophenol
Concen: 103.248 ng
RT: 5.363 min Scan# 404
Delta R.T. -0.000 min
Lab File: BP009224.D
Acq: 18 Feb 2022 20:56

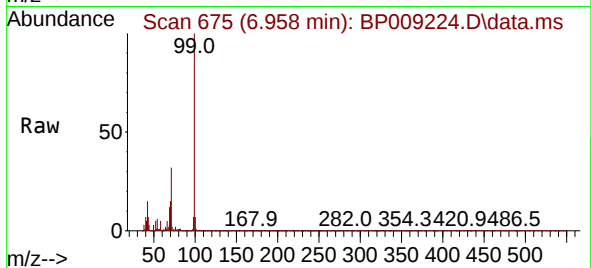
Tgt Ion:112 Resp: 1212546
Ion Ratio Lower Upper
112 100
64 51.6 39.7 59.5
63 26.5 20.0 30.0





#7
Phenol-d6
Concen: 105.295 ng
RT: 6.958 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP009224.D
Acq: 18 Feb 2022 20:56

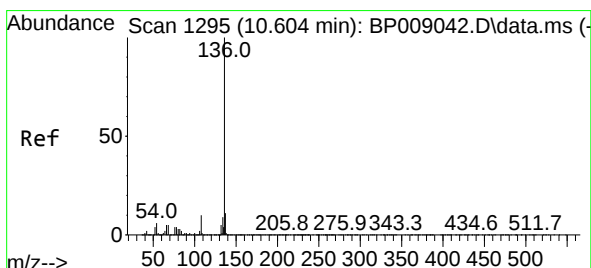
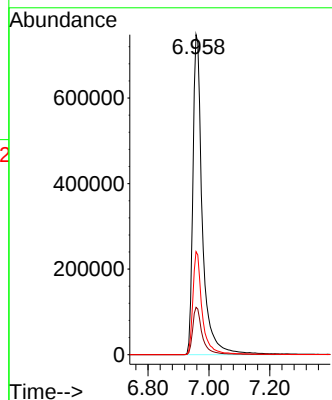
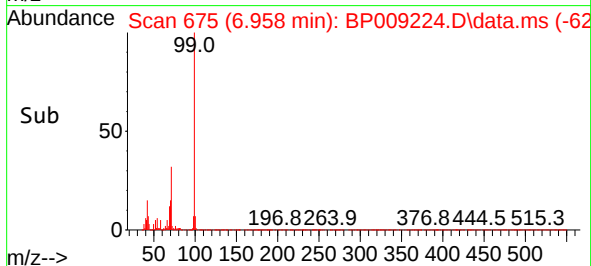
Instrument :
BNA_P
ClientSampleId :
SB-4R-EE(0-0.5)



Tgt Ion: 99 Resp: 162942
Ion Ratio Lower Upper
99 100
42 14.8 10.8 16.2
71 32.2 23.8 35.6

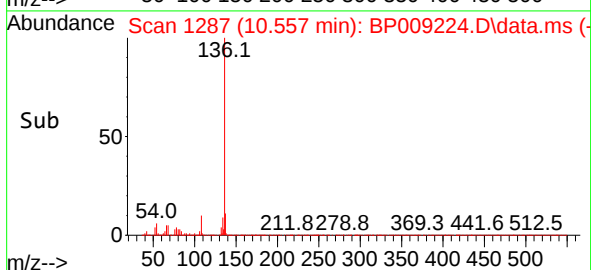
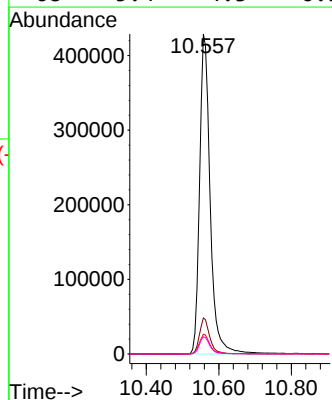
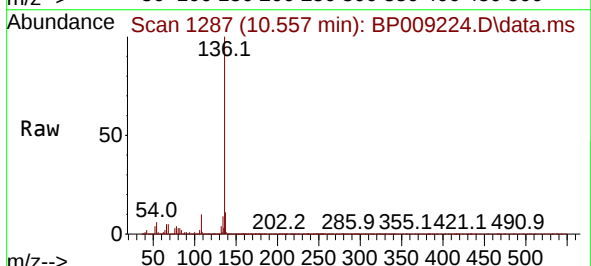
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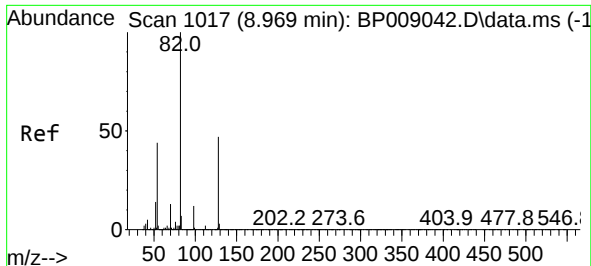
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BP009224.D
Acq: 18 Feb 2022 20:56

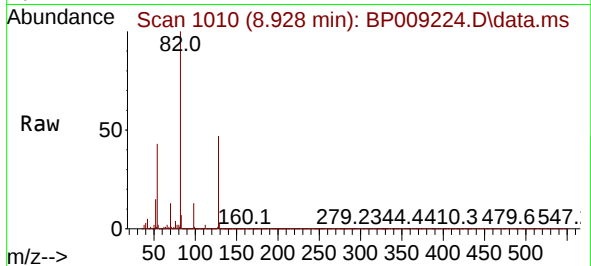
Tgt Ion:136 Resp: 867744
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 6.2 4.9 7.3
68 5.4 4.3 6.5





#23
Nitrobenzene-d5
Concen: 66.631 ng
RT: 8.928 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BP009224.D
Acq: 18 Feb 2022 20:56

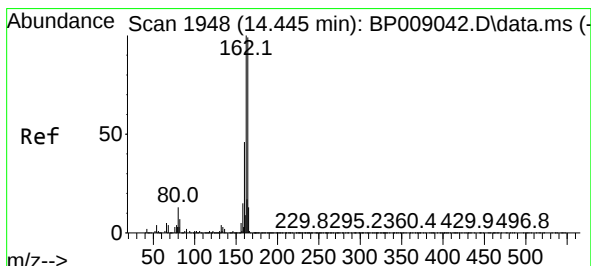
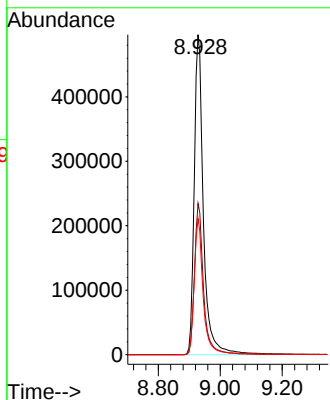
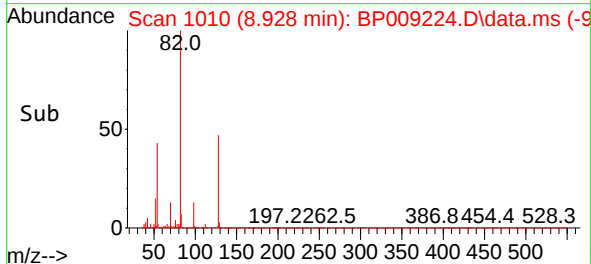
Instrument :
BNA_P
ClientSampleId :
SB-4R-EE(0-0.5)



Tgt Ion: 82 Resp: 102526
Ion Ratio Lower Upper
82 100
128 47.2 39.4 59.2
54 42.5 32.6 48.8

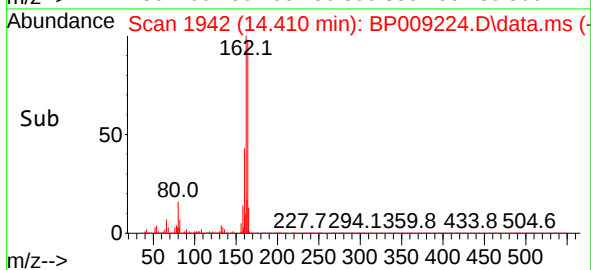
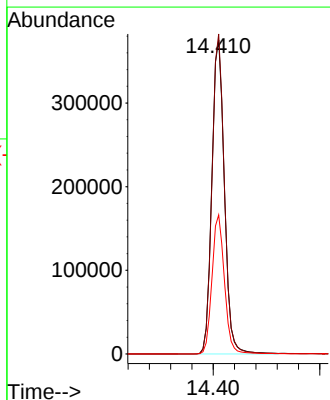
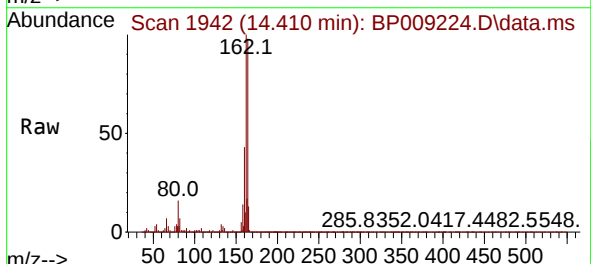
Manual Integrations
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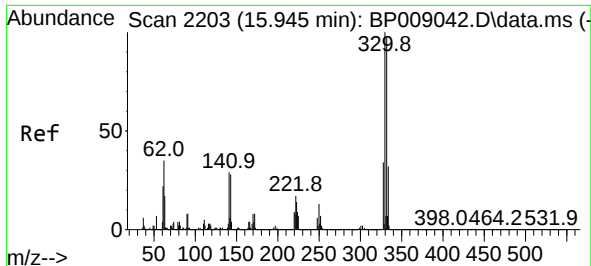
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.006 min
Lab File: BP009224.D
Acq: 18 Feb 2022 20:56

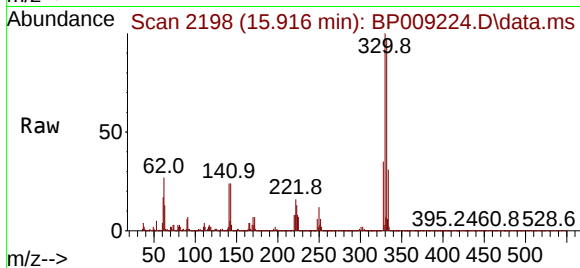
Tgt Ion:164 Resp: 613764
Ion Ratio Lower Upper
164 100
162 101.9 79.9 119.9
160 44.3 35.5 53.3





#42
2,4,6-Tribromophenol
Concen: 116.005 ng
RT: 15.916 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BP009224.D
Acq: 18 Feb 2022 20:56

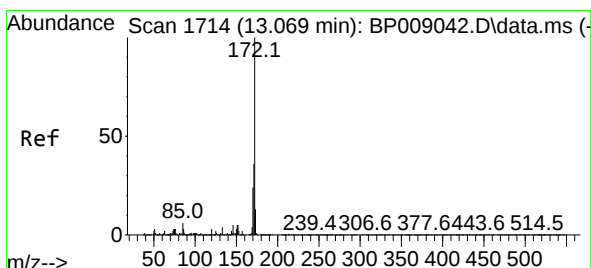
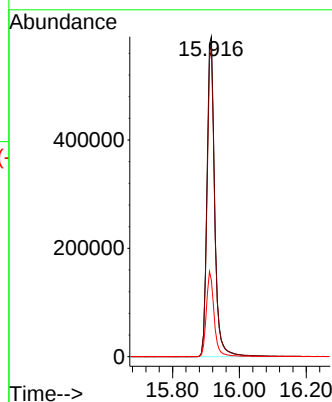
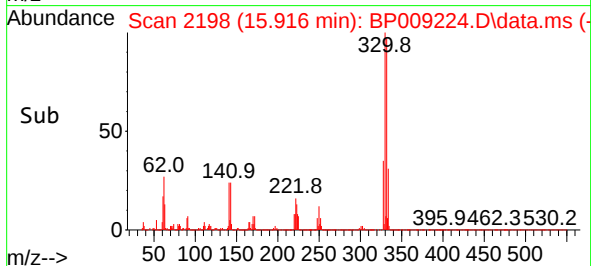
Instrument :
BNA_P
ClientSampleId :
SB-4R-EE(0-0.5)



Tgt Ion:330 Resp: 950649
Ion Ratio Lower Upper
330 100
332 95.8 77.0 115.4
141 26.9 21.3 31.9

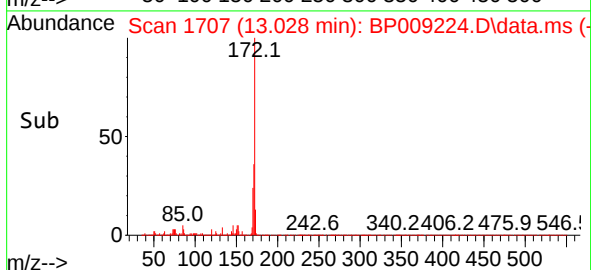
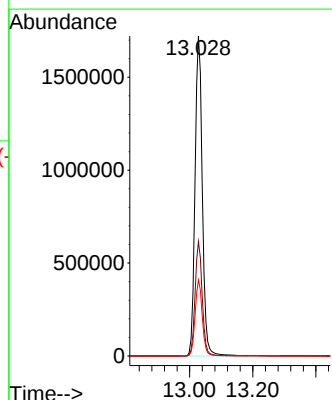
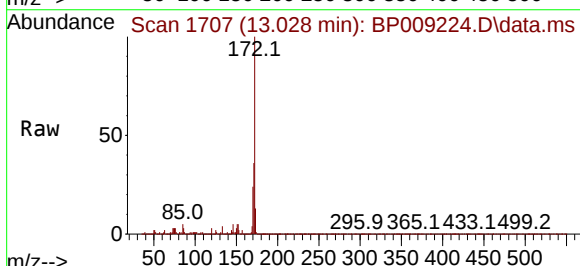
Manual Integrations
APPROVED

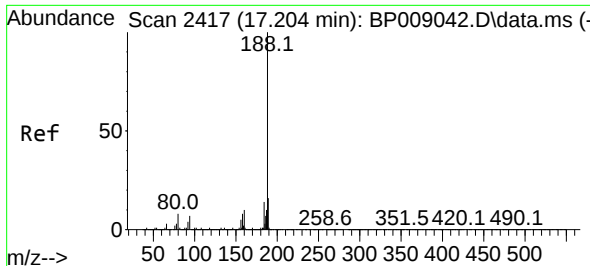
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022



#45
2-Fluorobiphenyl
Concen: 63.469 ng
RT: 13.028 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BP009224.D
Acq: 18 Feb 2022 20:56

Tgt Ion:172 Resp: 2782725
Ion Ratio Lower Upper
172 100
171 35.8 29.3 43.9
170 23.7 19.5 29.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.169 min Scan# 2411
Delta R.T. -0.006 min
Lab File: BP009224.D
Acq: 18 Feb 2022 20:56

Instrument :

BNA_P

ClientSampleId :

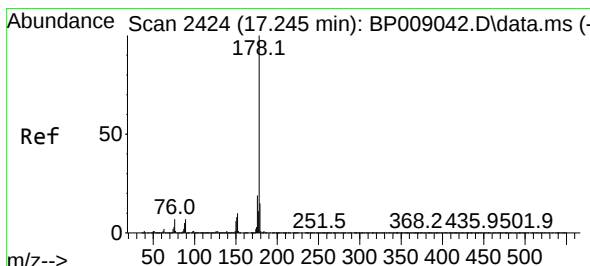
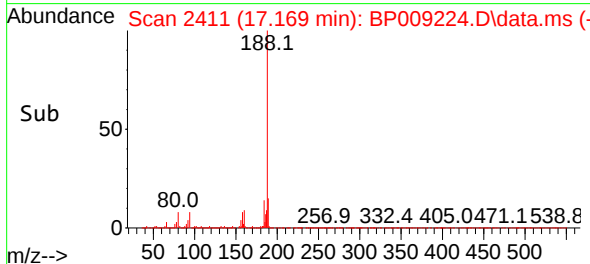
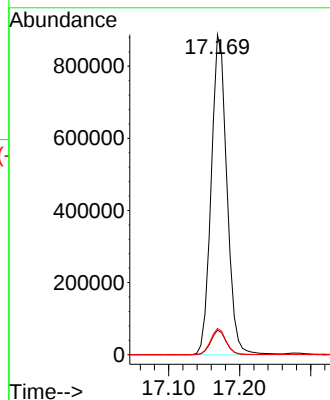
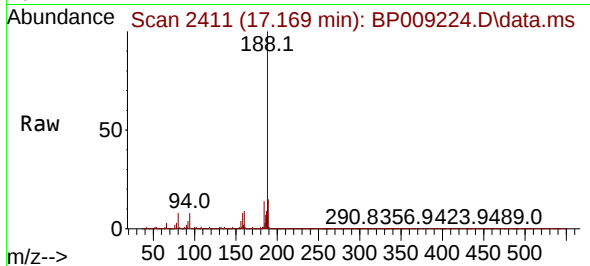
SB-4R-EE(0-0.5)

Tgt Ion:188 Resp: 1361014
Ion Ratio Lower Upper
188 100
94 7.7 6.8 10.2
80 8.2 7.2 10.8

Manual Integrations

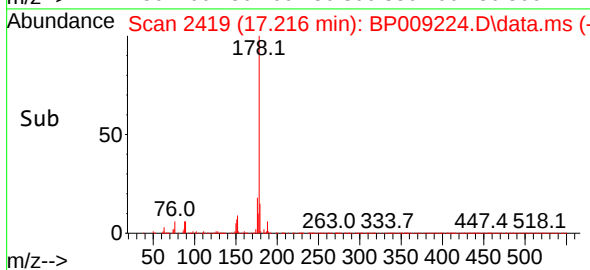
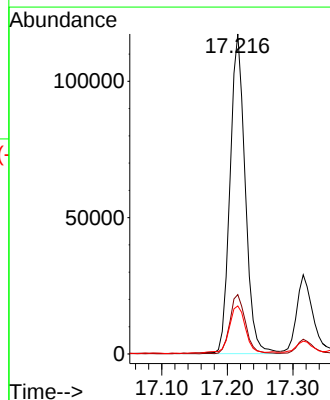
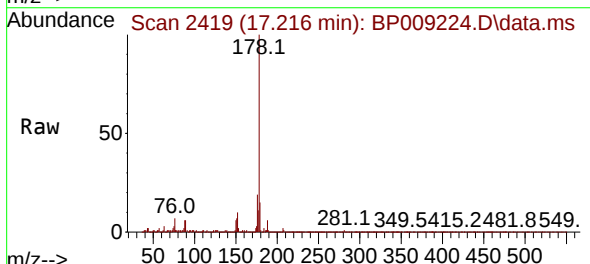
APPROVED

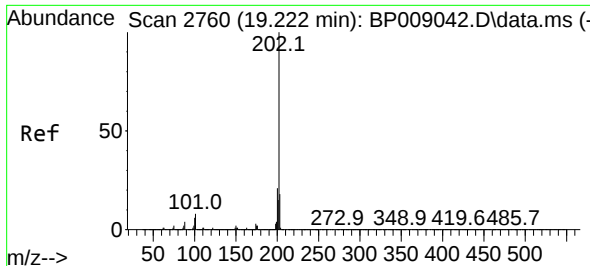
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022



#71
Phenanthrene
Concen: 2.558 ng
RT: 17.216 min Scan# 2419
Delta R.T. -0.006 min
Lab File: BP009224.D
Acq: 18 Feb 2022 20:56

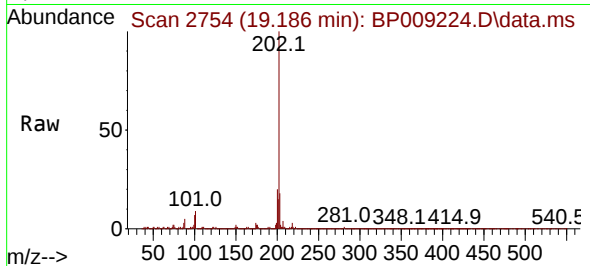
Tgt Ion:178 Resp: 188505
Ion Ratio Lower Upper
178 100
176 18.6 16.0 24.0
179 15.0 13.0 19.4





#75
Fluoranthene
Concen: 7.505 ng
RT: 19.186 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP009224.D
Acq: 18 Feb 2022 20:56

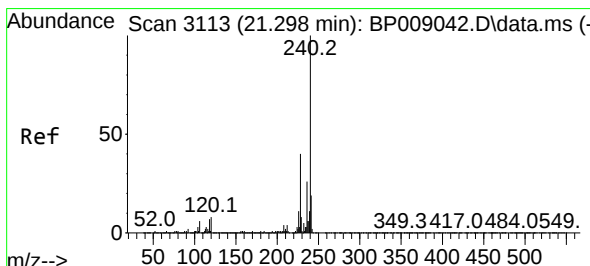
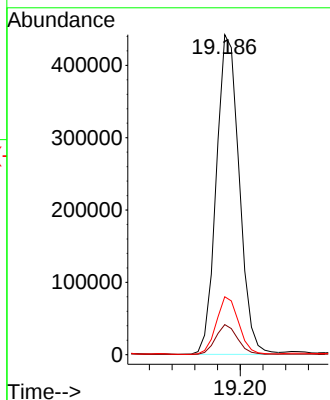
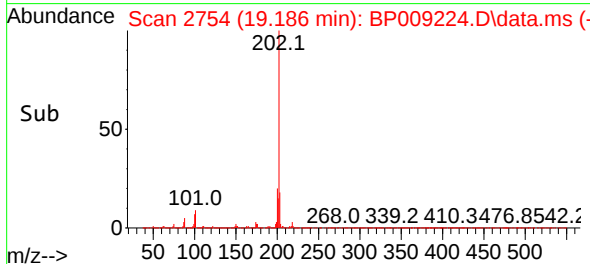
Instrument :
BNA_P
ClientSampleId :
SB-4R-EE(0-0.5)



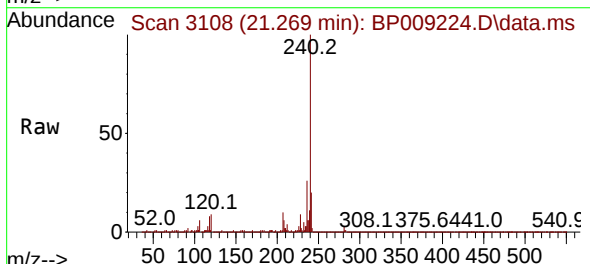
Tgt Ion:202 Resp: 619870
Ion Ratio Lower Upper
202 100
101 9.4 0.0 30.7
203 18.1 0.0 38.9

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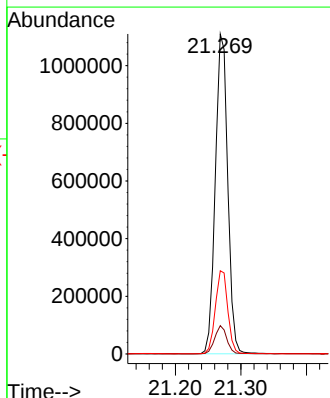
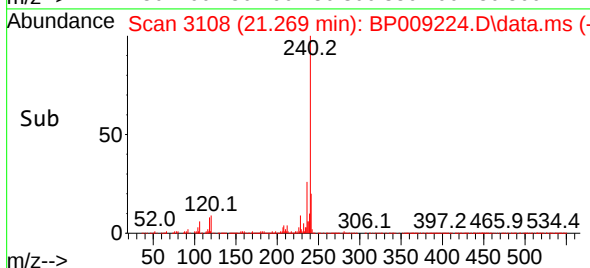
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022

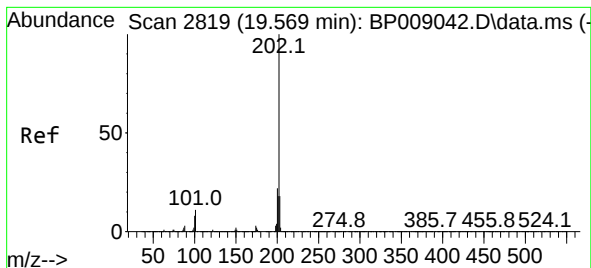


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.269 min Scan# 3108
Delta R.T. -0.012 min
Lab File: BP009224.D
Acq: 18 Feb 2022 20:56



Tgt Ion:240 Resp: 1453310
Ion Ratio Lower Upper
240 100
120 8.9 7.7 11.5
236 26.0 21.2 31.8





#78

Pyrene

Concen: 7.208 ng

RT: 19.539 min Scan# 2814

Delta R.T. -0.006 min

Lab File: BP009224.D

Acq: 18 Feb 2022 20:56

Instrument :

BNA_P

ClientSampleId :

SB-4R-EE(0-0.5)

Tgt Ion:202 Resp: 74522

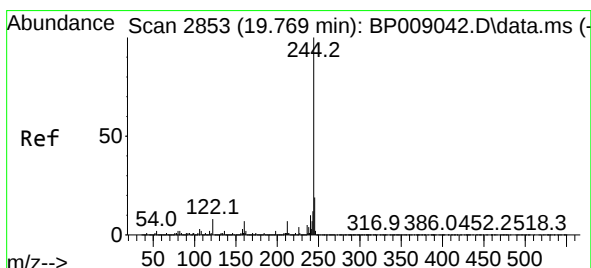
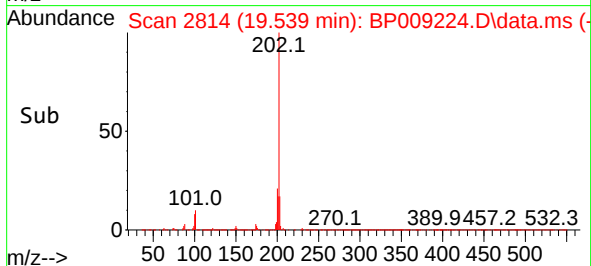
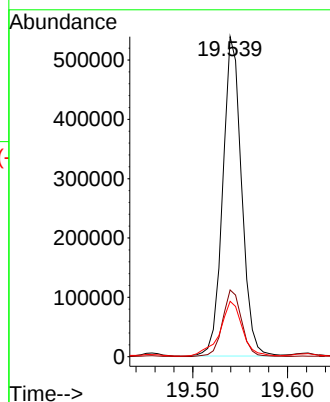
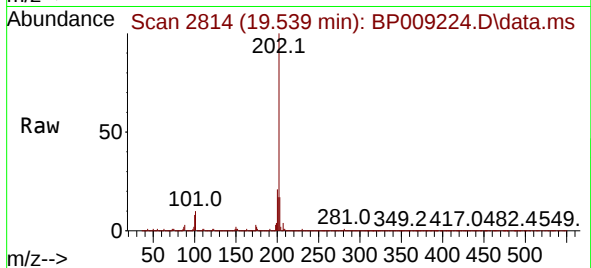
Ion	Ratio	Lower	Upper
202	100		
200	20.9	18.0	27.0
203	17.3	15.0	22.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/21/2022

Supervised By :Jagrut Upadhyay 02/21/2022



#79

Terphenyl-d14

Concen: 57.086 ng

RT: 19.733 min Scan# 2847

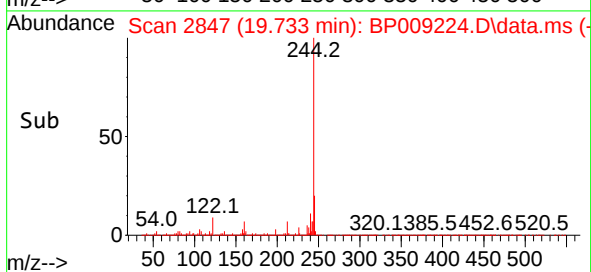
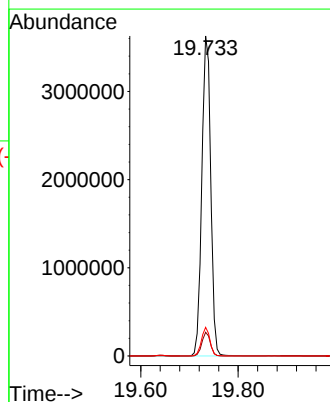
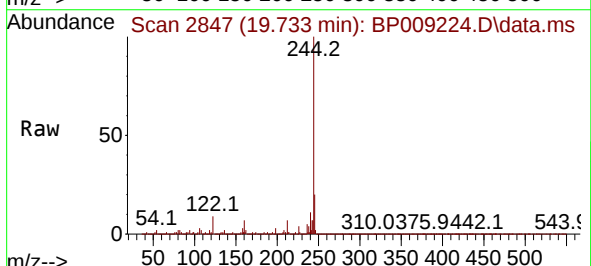
Delta R.T. -0.012 min

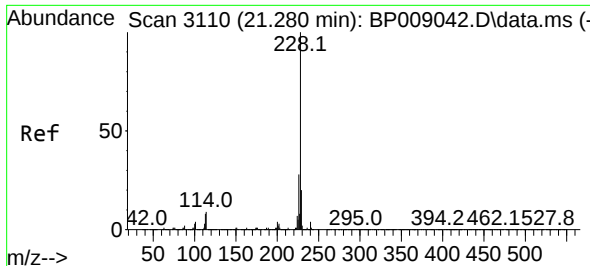
Lab File: BP009224.D

Acq: 18 Feb 2022 20:56

Tgt Ion:244 Resp: 4613415

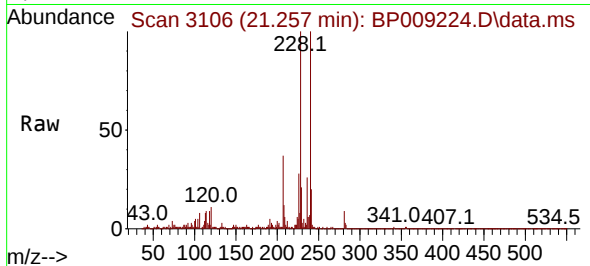
Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.5	9.7
122	9.0	9.2	13.8





#81
Benzo(a)anthracene
Concen: 4.245 ng
RT: 21.257 min Scan# 3106
Delta R.T. -0.006 min
Lab File: BP009224.D
Acq: 18 Feb 2022 20:56

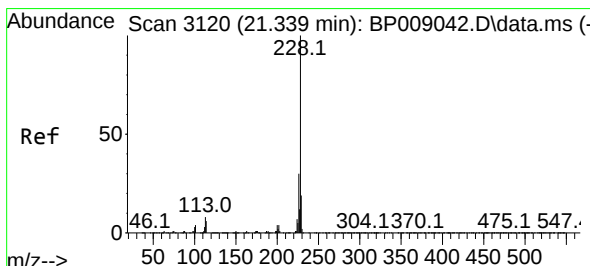
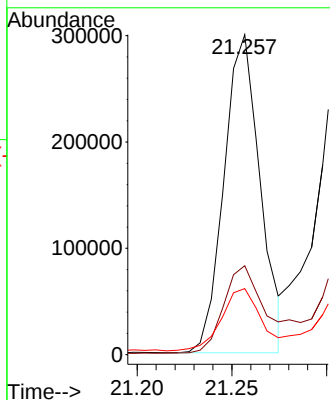
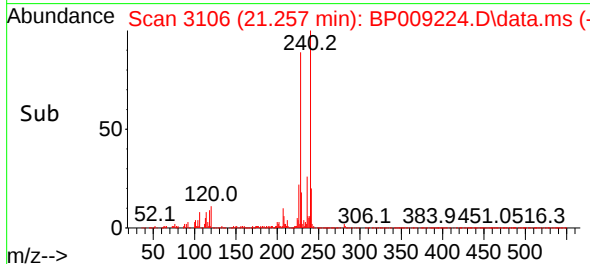
Instrument :
BNA_P
ClientSampleId :
SB-4R-EE(0-0.5)



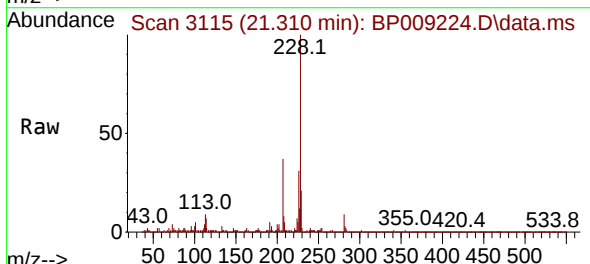
Tgt Ion:228 Resp: 397549
Ion Ratio Lower Upper
228 100
226 27.8 23.3 34.9
229 20.7 17.0 25.6

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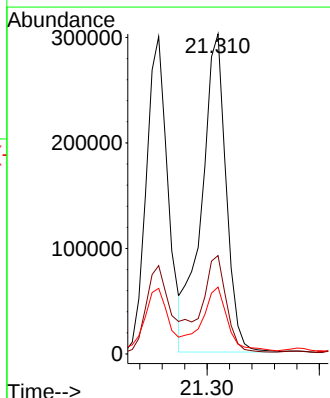
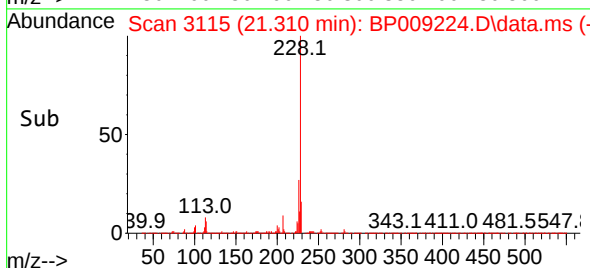
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022

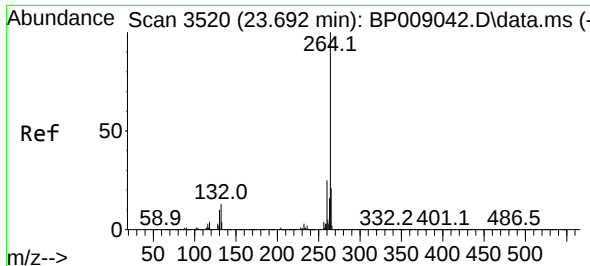


#83
Chrysene
Concen: 5.088 ng m
RT: 21.310 min Scan# 3115
Delta R.T. -0.006 min
Lab File: BP009224.D
Acq: 18 Feb 2022 20:56



Tgt Ion:228 Resp: 459330
Ion Ratio Lower Upper
228 100
226 30.8 26.0 39.0
229 20.9 16.9 25.3





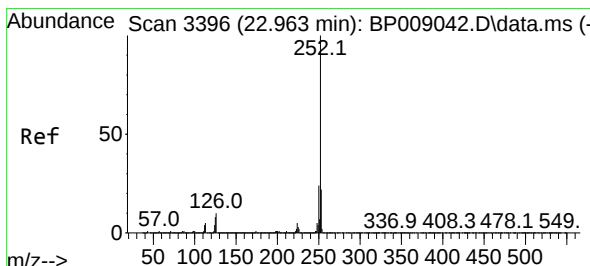
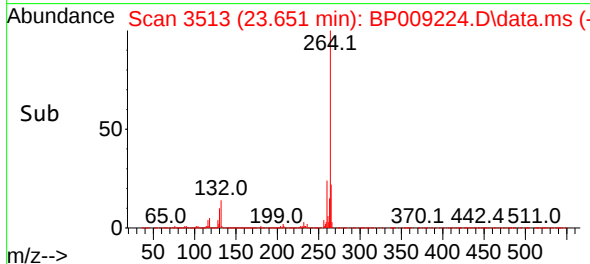
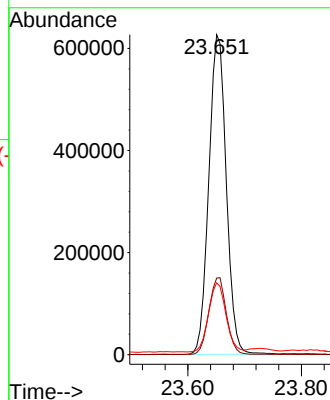
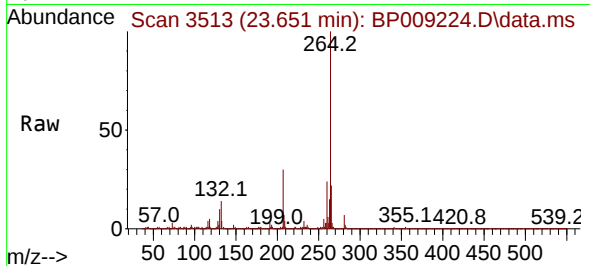
#86
Perylene-d12
Concen: 20.000 ng
RT: 23.651 min Scan# 3513
Delta R.T. -0.012 min
Lab File: BP009224.D
Acq: 18 Feb 2022 20:56

Instrument :
BNA_P
ClientSampleId :
SB-4R-EE(0-0.5)

Tgt Ion:264 Resp: 133244
Ion Ratio Lower Upper
264 100
260 24.0 19.1 28.7
265 22.4 17.1 25.7

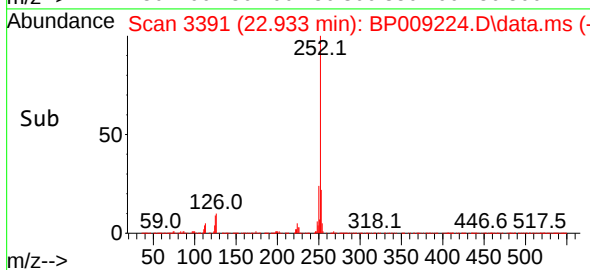
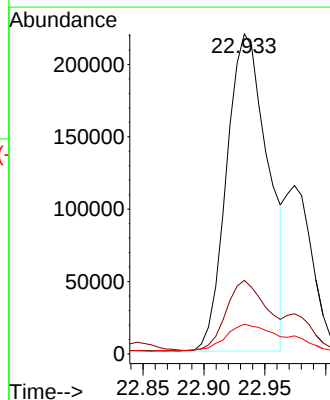
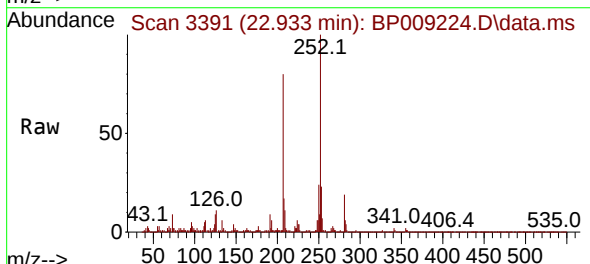
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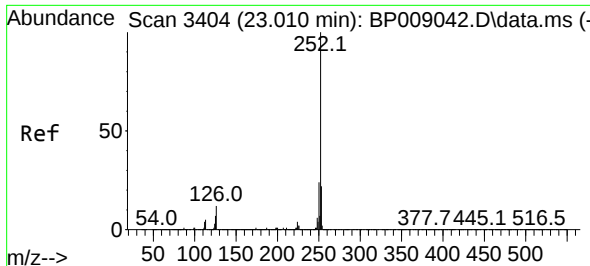
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022



#88
Benzo(b)fluoranthene
Concen: 6.322 ng
RT: 22.933 min Scan# 3391
Delta R.T. -0.006 min
Lab File: BP009224.D
Acq: 18 Feb 2022 20:56

Tgt Ion:252 Resp: 518566
Ion Ratio Lower Upper
252 100
253 23.0 18.0 27.0
125 9.3 6.9 10.3





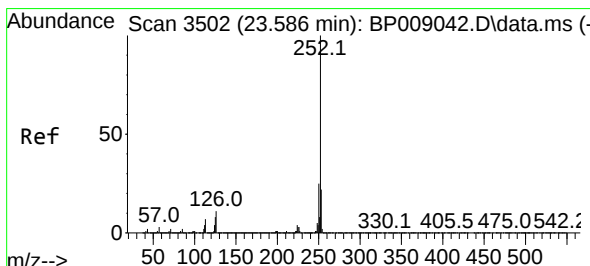
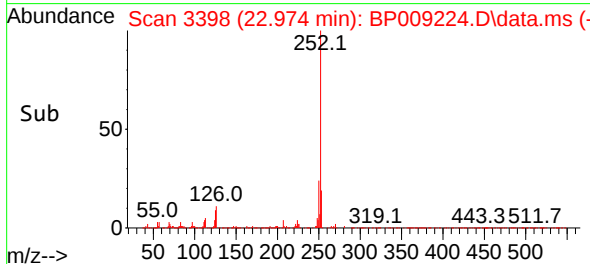
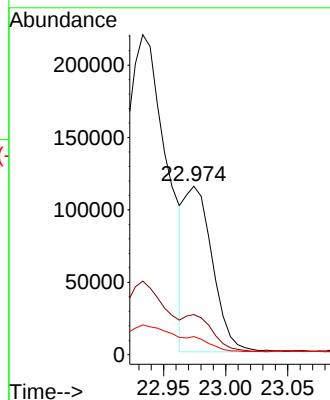
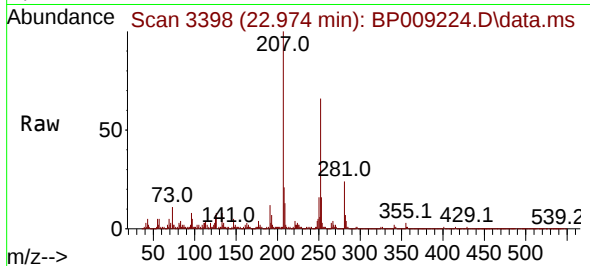
#89
Benzo(k)fluoranthene
Concen: 2.186 ng m
RT: 22.974 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP009224.D
Acq: 18 Feb 2022 20:56

Instrument :
BNA_P
ClientSampleId :
SB-4R-EE(0-0.5)

Tgt Ion:252 Resp: 17888
Ion Ratio Lower Upper
252 100
253 23.8 18.2 27.2
125 10.7 7.3 10.9

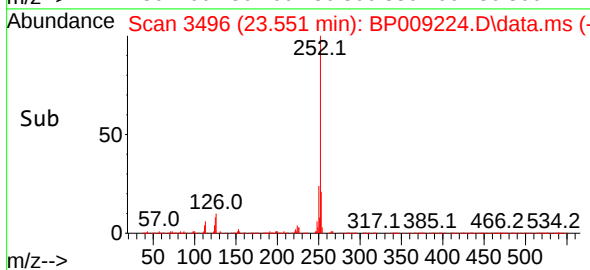
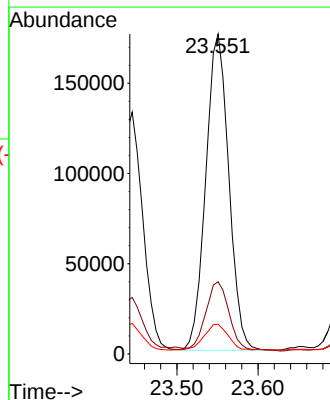
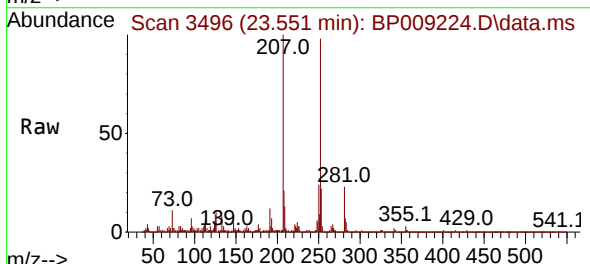
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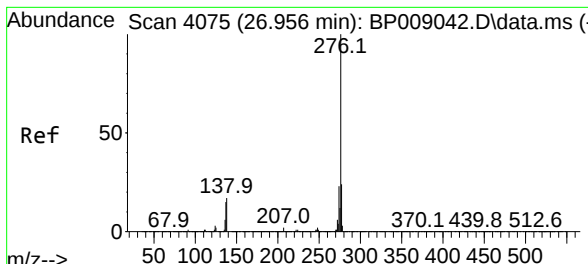
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022



#90
Benzo(a)pyrene
Concen: 5.049 ng
RT: 23.551 min Scan# 3496
Delta R.T. -0.006 min
Lab File: BP009224.D
Acq: 18 Feb 2022 20:56

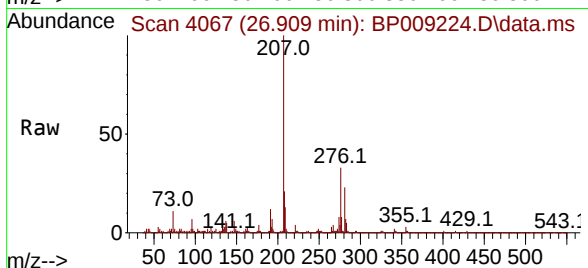
Tgt Ion:252 Resp: 345279
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 9.3 7.8 11.6





#92
 Benzo(g,h,i)perylene
 Concen: 2.727 ng
 RT: 26.909 min Scan# 4067
 Delta R.T. -0.012 min
 Lab File: BP009224.D
 Acq: 18 Feb 2022 20:56

Instrument :
 BNA_P
 ClientSampleId :
 SB-4R-EE(0-0.5)



Tgt Ion: 276 Resp: 22089
 Ion Ratio Lower Upper
 276 100
 277 24.6 19.2 28.8
 138 16.0 15.0 22.4

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

