

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021822\
 Data File : BP009225.D
 Acq On : 18 Feb 2022 21:30
 Operator : CG/JU
 Sample : N1579-10
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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

Quant Time: Feb 19 00:51:07 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	7.764	152	201444	20.000	ng	0.00
21) Naphthalene-d8	10.557	136	823390	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	578129	20.000	ng	0.00
64) Phenanthrene-d10	17.169	188	1296855	20.000	ng	0.00
76) Chrysene-d12	21.269	240	1394759	20.000	ng	-0.01
86) Perylene-d12	23.651	264	1289001	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.364	112	1214296	107.527	ng	0.00
7) Phenol-d6	6.958	99	1601544	107.628	ng	0.00
23) Nitrobenzene-d5	8.928	82	996251	68.233	ng	0.00
42) 2,4,6-Tribromophenol	15.916	330	894515	115.884	ng	0.00
45) 2-Fluorobiphenyl	13.028	172	2523291	61.099	ng	0.00
79) Terphenyl-d14	19.739	244	4137414	53.346	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.216	178	507804	7.232	ng	99
75) Fluoranthene	19.186	202	1176502	14.949	ng	97
78) Pyrene	19.539	202	1442698	14.541	ng	98
81) Benzo(a)anthracene	21.257	228	700438	7.793	ng	100
83) Chrysene	21.304	228	797418m	9.203	ng	
87) Indeno(1,2,3-cd)pyrene	26.139	276	338770	3.537	ng	# 94
88) Benzo(b)fluoranthene	22.933	252	802075	10.108	ng	99
89) Benzo(k)fluoranthene	22.974	252	251350m	3.175	ng	
90) Benzo(a)pyrene	23.551	252	573418	8.667	ng	99
92) Benzo(g,h,i)perylene	26.904	276	335608	4.283	ng	98

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

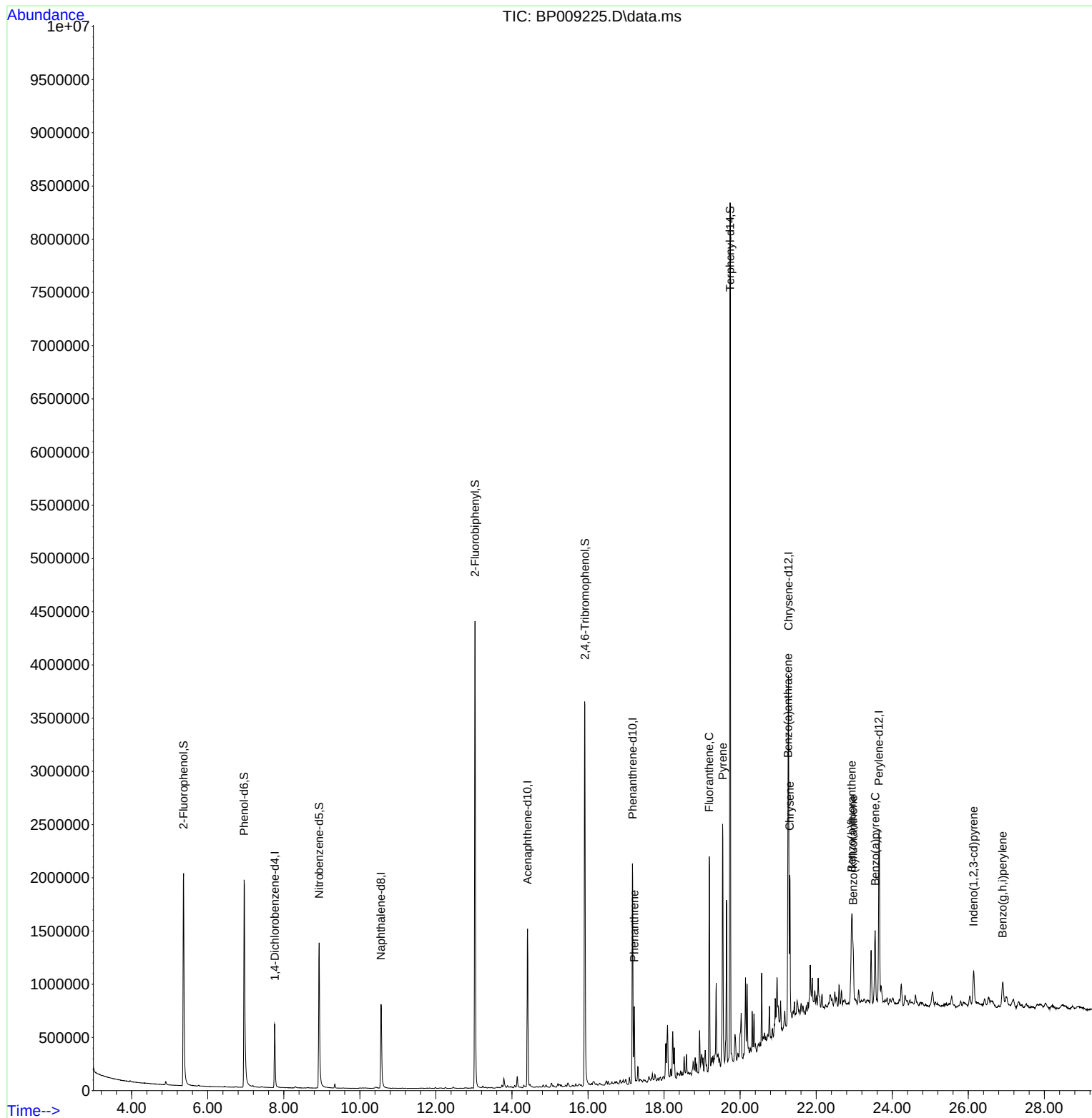
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021822\
Data File : BP009225.D
Acq On : 18 Feb 2022 21:30
Operator : CG/JU
Sample : N1579-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

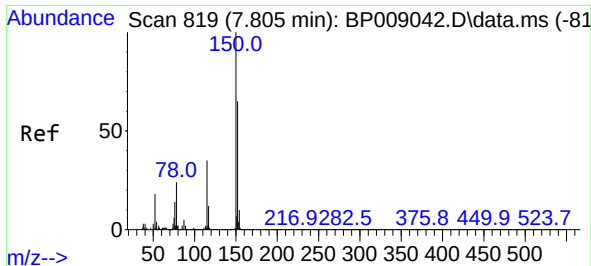
Instrument :
BNA_P
ClientSampleId :
SB-4R-E(0-0.5)

Quant Time: Feb 19 00:51:07 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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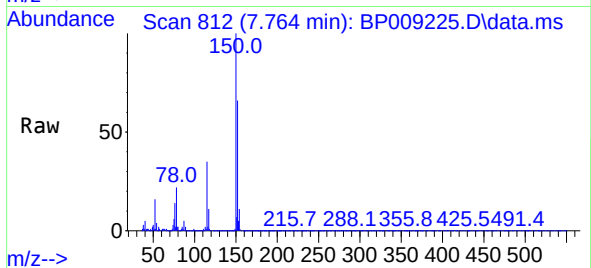
Reviewed By : Christian Giraldo 02/21/2022
Supervised By : Jagrut Upadhyay 02/21/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.764 min Scan# 81
Delta R.T. -0.005 min
Lab File: BP009225.D
Acq: 18 Feb 2022 21:30

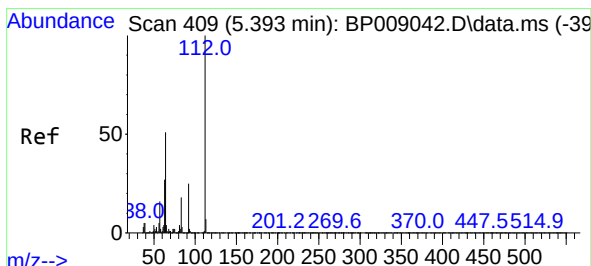
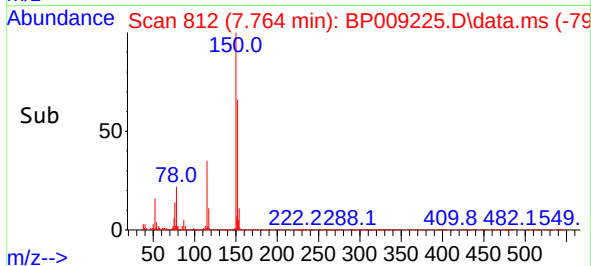
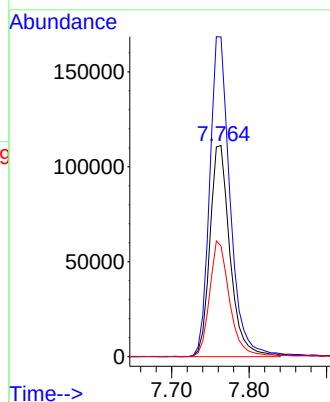
Instrument :
BNA_P
ClientSampleId :
SB-4R-E(0-0.5)



Tgt Ion:152 Resp: 20144
Ion Ratio Lower Upper
152 100
150 151.4 127.0 190.6
115 52.5 43.7 65.5

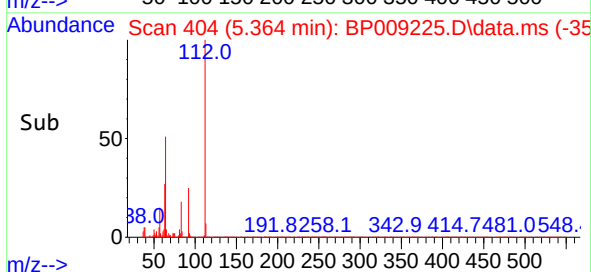
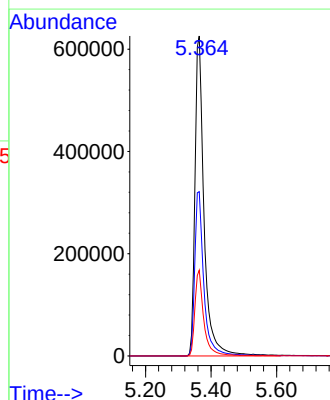
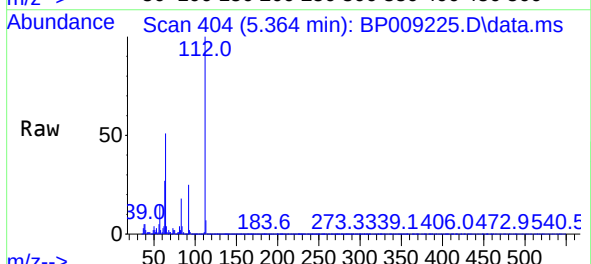
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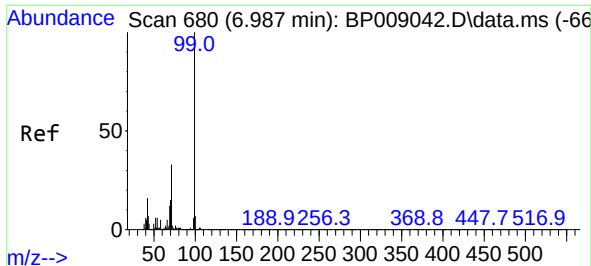
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Supervised By :Jagrut Upadhyay 02/21/2022



#5
2-Fluorophenol
Concen: 107.527 ng
RT: 5.364 min Scan# 404
Delta R.T. -0.000 min
Lab File: BP009225.D
Acq: 18 Feb 2022 21:30

Tgt Ion:112 Resp: 1214296
Ion Ratio Lower Upper
112 100
64 51.4 39.7 59.5
63 26.8 20.0 30.0





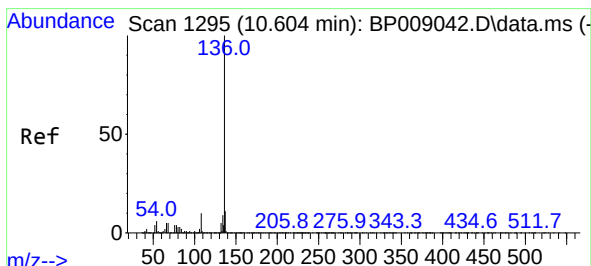
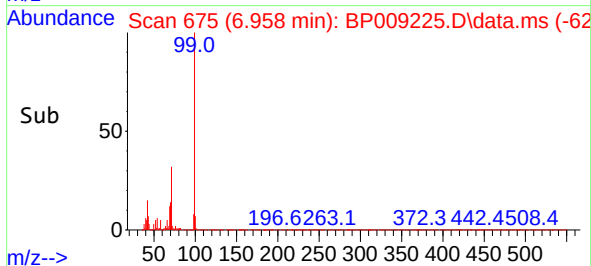
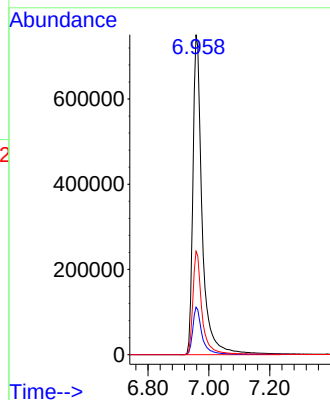
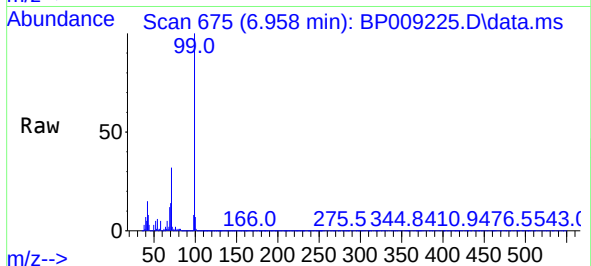
#7
Phenol-d6
Concen: 107.628 ng
RT: 6.958 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP009225.D
Acq: 18 Feb 2022 21:30

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

Tgt Ion: 99 Resp: 1601544
Ion Ratio Lower Upper
99 100
42 14.9 10.8 16.2
71 32.3 23.8 35.6

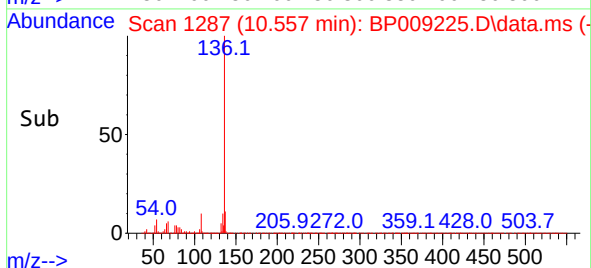
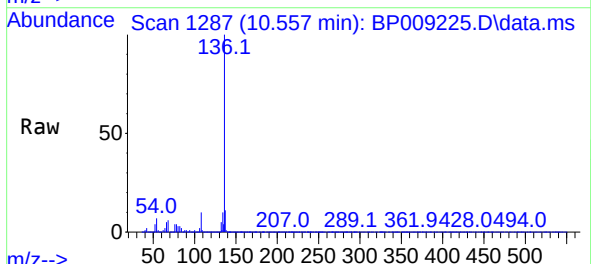
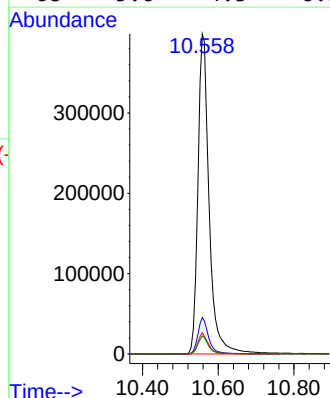
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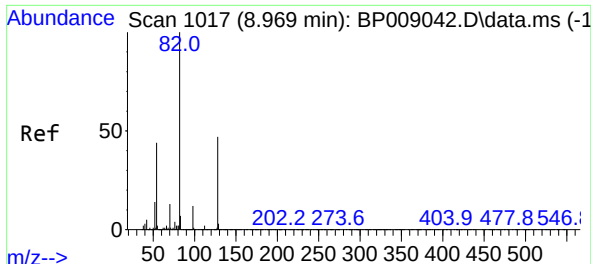
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BP009225.D
Acq: 18 Feb 2022 21:30

Tgt Ion:136 Resp: 823390
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.4
54 6.7 4.9 7.3
68 5.6 4.3 6.5





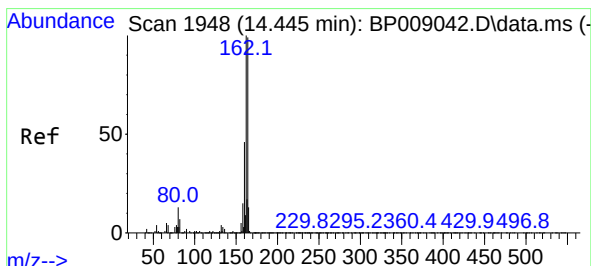
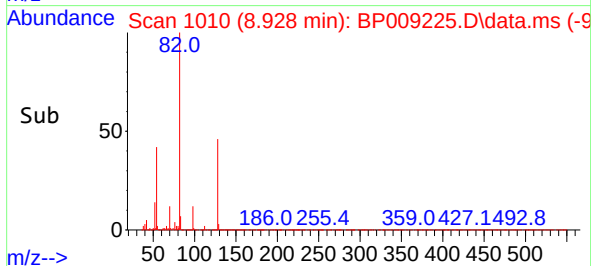
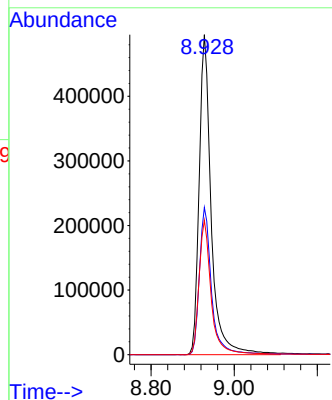
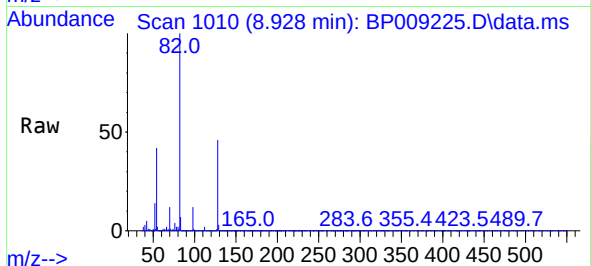
#23
Nitrobenzene-d5
Concen: 68.233 ng
RT: 8.928 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BP009225.D
Acq: 18 Feb 2022 21:30

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

Tgt Ion: 82 Resp: 99625
Ion Ratio Lower Upper
82 100
128 46.0 39.4 59.2
54 42.0 32.6 48.8

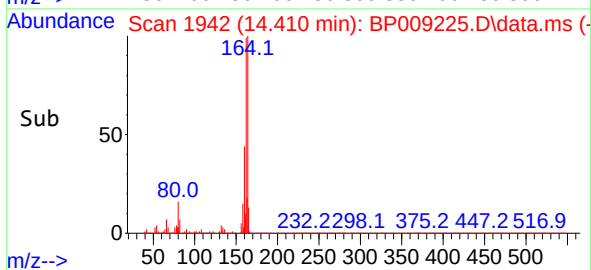
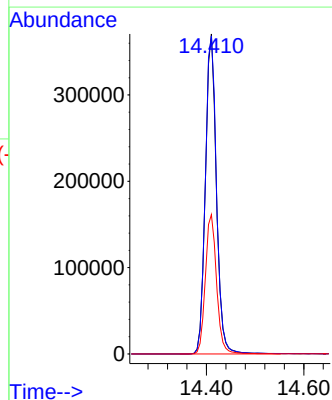
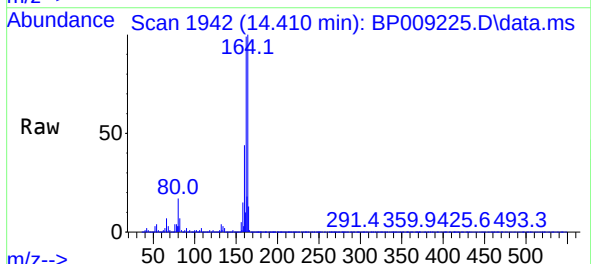
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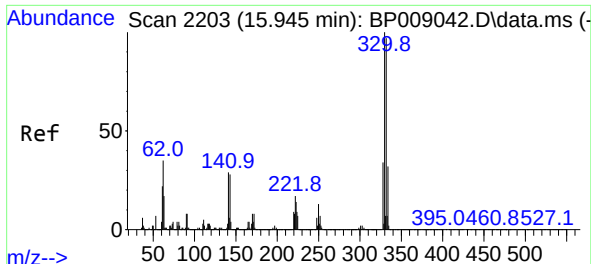
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.006 min
Lab File: BP009225.D
Acq: 18 Feb 2022 21:30

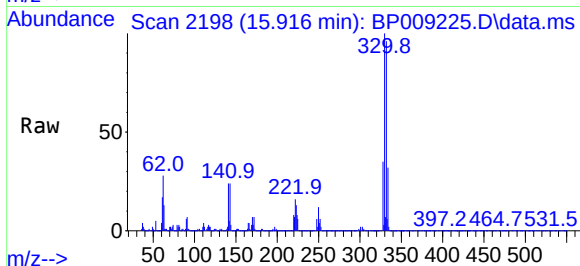
Tgt Ion:164 Resp: 578129
Ion Ratio Lower Upper
164 100
162 99.4 79.9 119.9
160 43.5 35.5 53.3





#42
2,4,6-Tribromophenol
Concen: 115.884 ng
RT: 15.916 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP009225.D
Acq: 18 Feb 2022 21:30

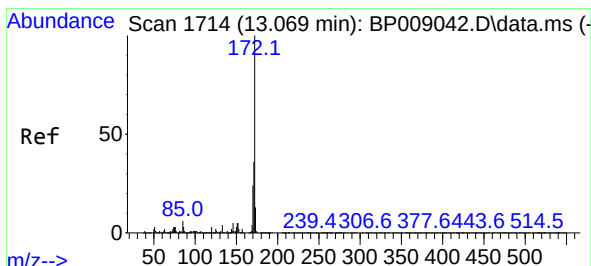
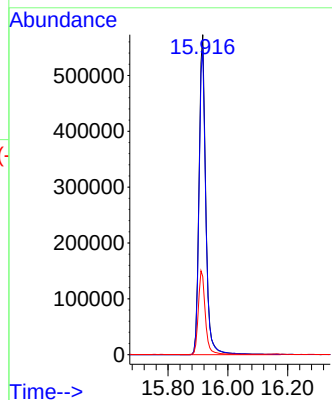
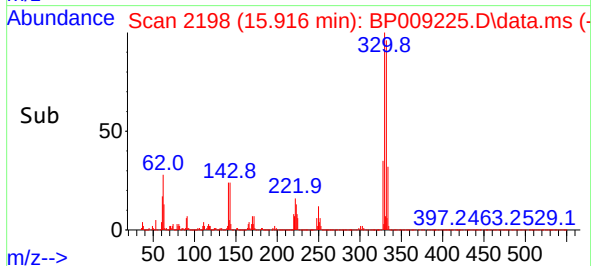
Instrument :
BNA_P
ClientSampleId :
SB-4R-E(0-0.5)



Tgt Ion:330 Resp: 89451
Ion Ratio Lower Upper
330 100
332 95.7 77.0 115.4
141 27.0 21.3 31.9

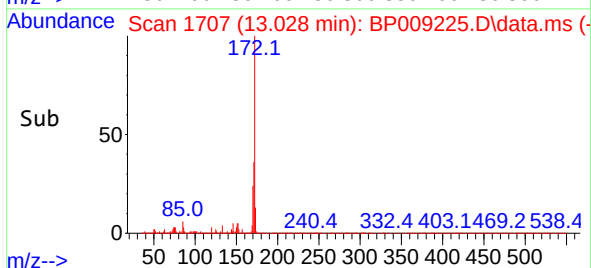
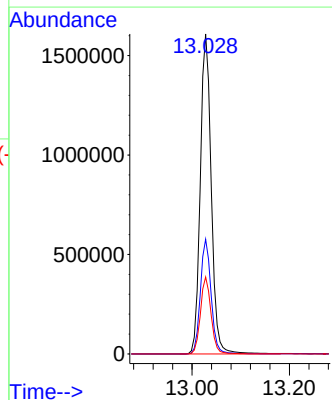
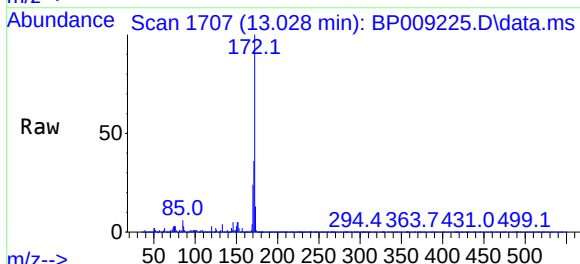
Manual Integrations
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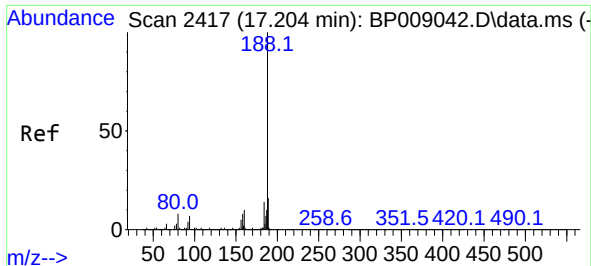
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022



#45
2-Fluorobiphenyl
Concen: 61.099 ng
RT: 13.028 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BP009225.D
Acq: 18 Feb 2022 21:30

Tgt Ion:172 Resp: 2523291
Ion Ratio Lower Upper
172 100
171 35.8 29.3 43.9
170 24.1 19.5 29.3





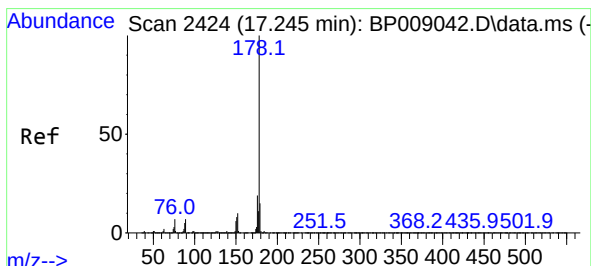
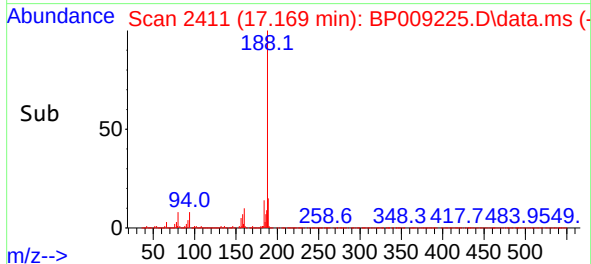
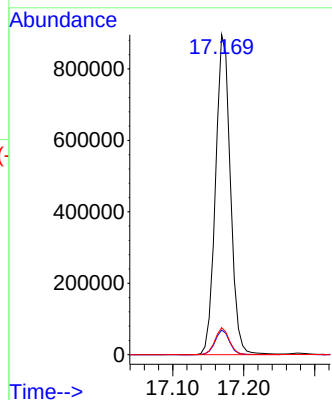
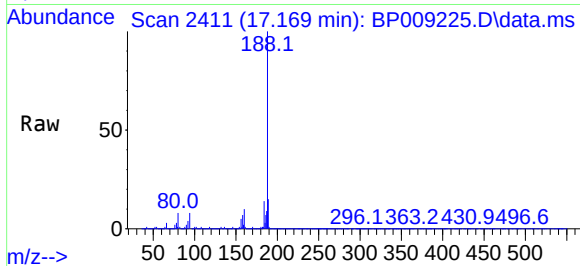
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.169 min Scan# 2417
Delta R.T. -0.006 min
Lab File: BP009225.D
Acq: 18 Feb 2022 21:30

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

Tgt Ion:188 Resp: 129685
Ion Ratio Lower Upper
188 100
94 7.7 6.8 10.2
80 8.5 7.2 10.8

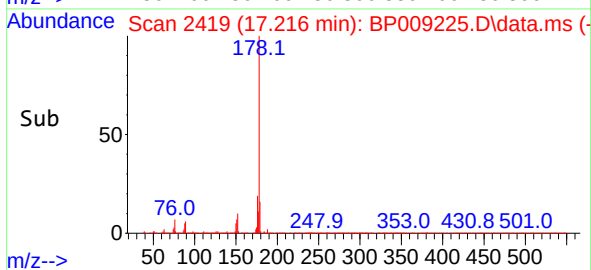
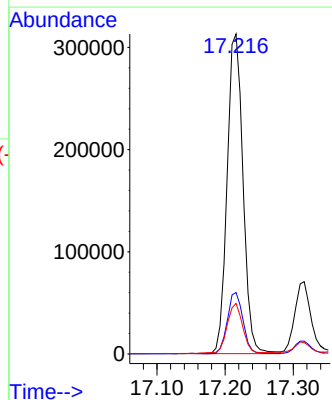
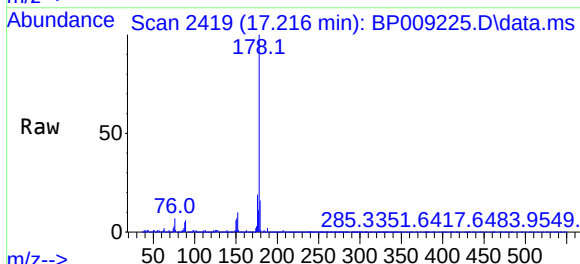
Manual Integrations
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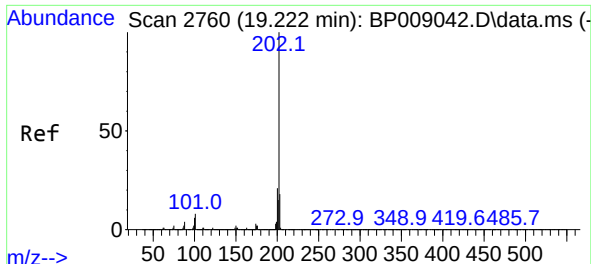
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022



#71
Phenanthrene
Concen: 7.232 ng
RT: 17.216 min Scan# 2419
Delta R.T. -0.006 min
Lab File: BP009225.D
Acq: 18 Feb 2022 21:30

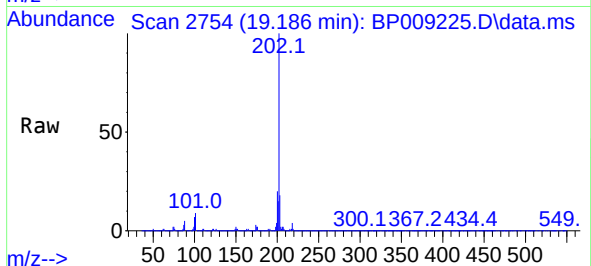
Tgt Ion:178 Resp: 507804
Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 15.8 13.0 19.4





#75
Fluoranthene
Concen: 14.949 ng
RT: 19.186 min Scan# 2108
Delta R.T. -0.006 min
Lab File: BP009225.D
Acq: 18 Feb 2022 21:30

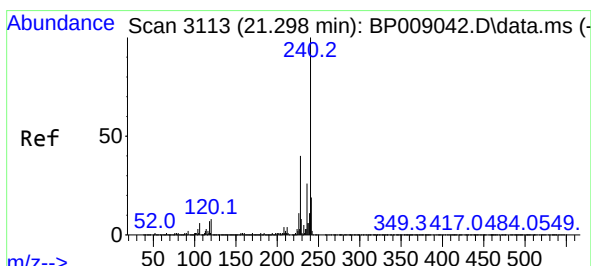
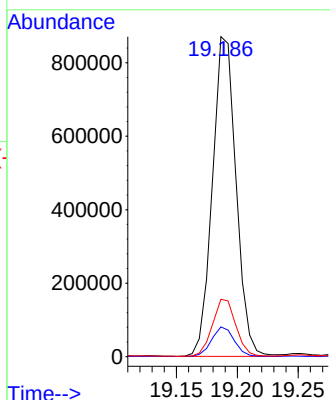
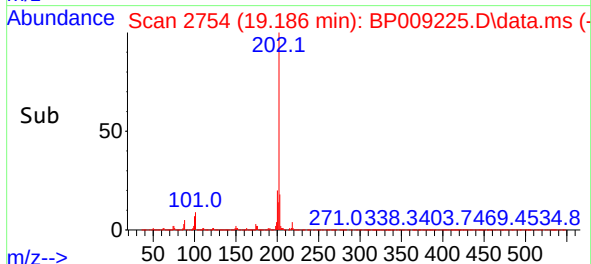
Instrument :
BNA_P
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SB-4R-E(0-0.5)



Tgt Ion:202 Resp: 1176502
Ion Ratio Lower Upper
202 100
101 9.3 0.0 30.7
203 17.9 0.0 38.9

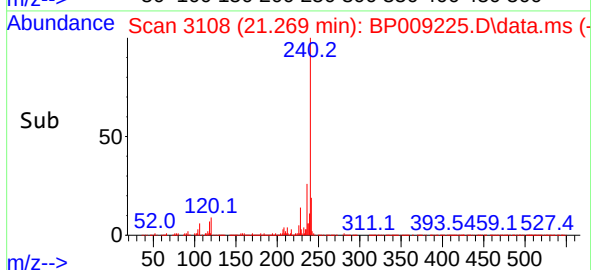
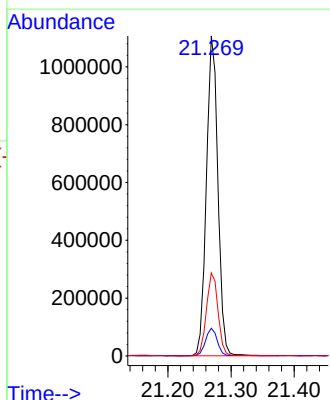
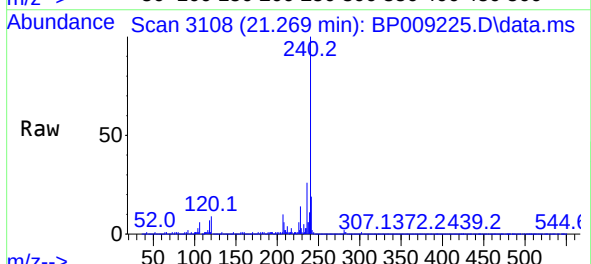
Manual Integrations
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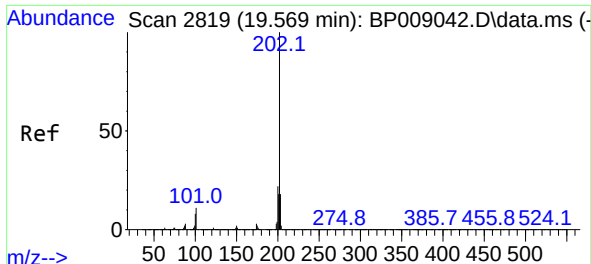
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.269 min Scan# 3108
Delta R.T. -0.012 min
Lab File: BP009225.D
Acq: 18 Feb 2022 21:30

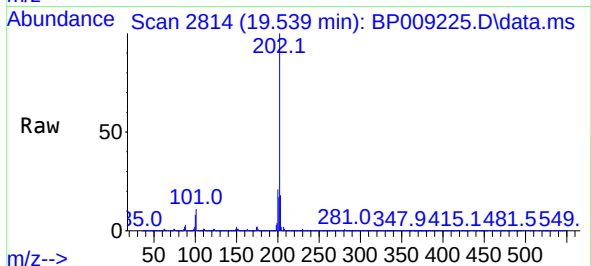
Tgt Ion:240 Resp: 1394759
Ion Ratio Lower Upper
240 100
120 8.7 7.7 11.5
236 26.0 21.2 31.8





#78
Pyrene
Concen: 14.541 ng
RT: 19.539 min Scan# 2814
Delta R.T. -0.006 min
Lab File: BP009225.D
Acq: 18 Feb 2022 21:30

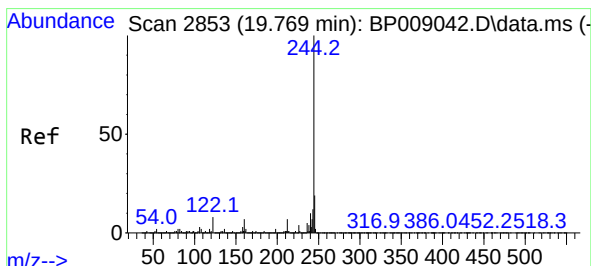
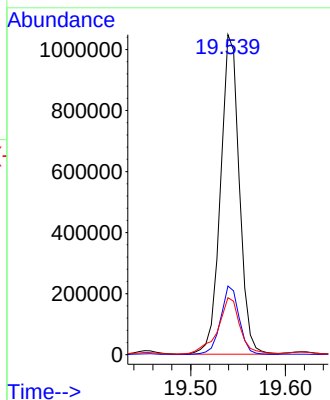
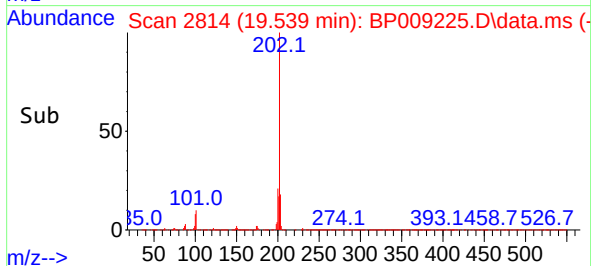
Instrument :
BNA_P
ClientSampleId :
SB-4R-E(0-0.5)



Tgt Ion:202 Resp: 1442698
Ion Ratio Lower Upper
202 100
200 21.4 18.0 27.0
203 17.8 15.0 22.6

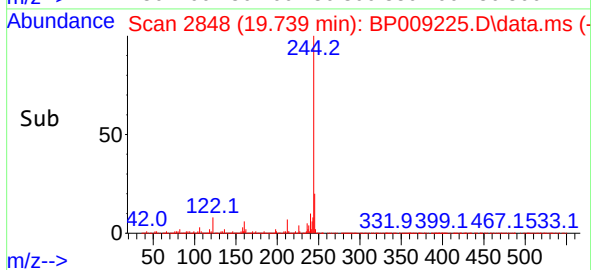
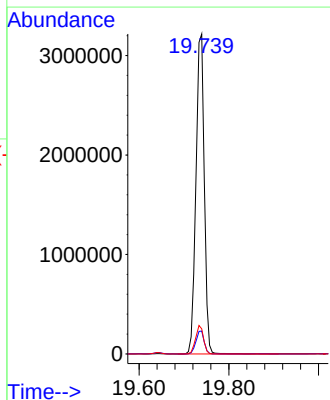
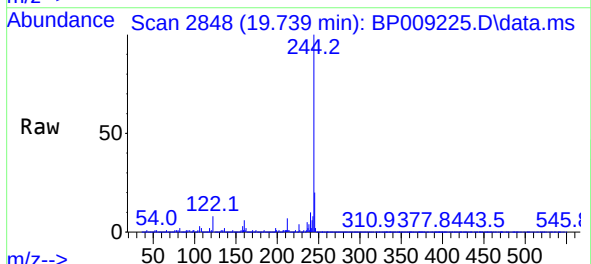
Manual Integrations
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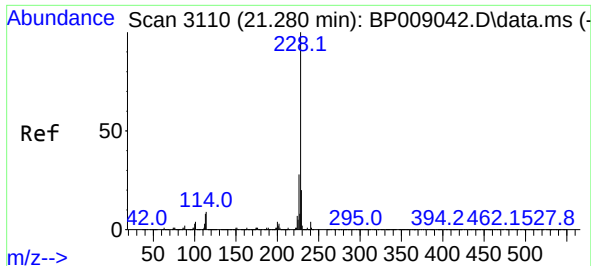
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022



#79
Terphenyl-d14
Concen: 53.346 ng
RT: 19.739 min Scan# 2848
Delta R.T. -0.006 min
Lab File: BP009225.D
Acq: 18 Feb 2022 21:30

Tgt Ion:244 Resp: 4137414
Ion Ratio Lower Upper
244 100
212 7.2 6.5 9.7
122 7.8 9.2 13.8





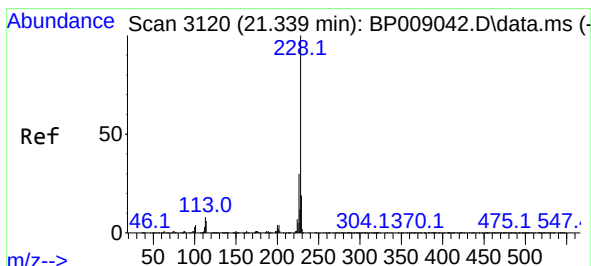
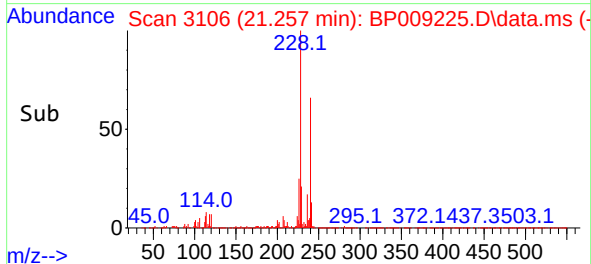
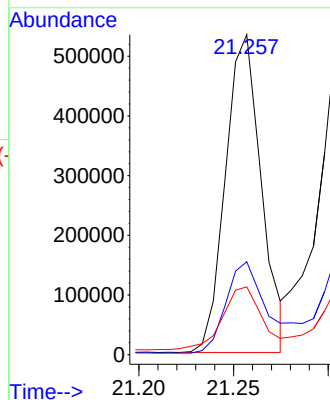
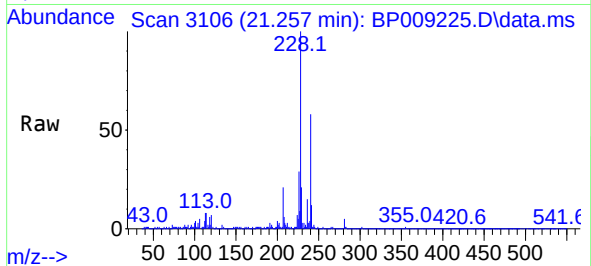
#81
Benzo(a)anthracene
Concen: 7.793 ng
RT: 21.257 min Scan# 3110
Delta R.T. -0.006 min
Lab File: BP009225.D
Acq: 18 Feb 2022 21:30

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

Tgt Ion:228 Resp: 700438
Ion Ratio Lower Upper
228 100
226 29.1 23.3 34.9
229 21.2 17.0 25.6

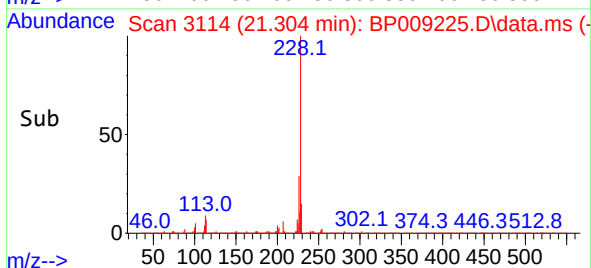
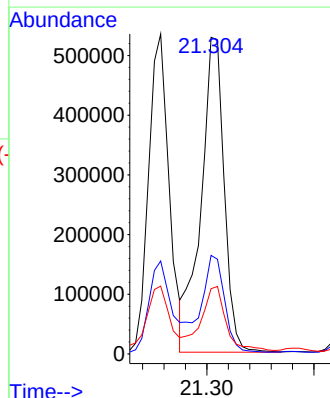
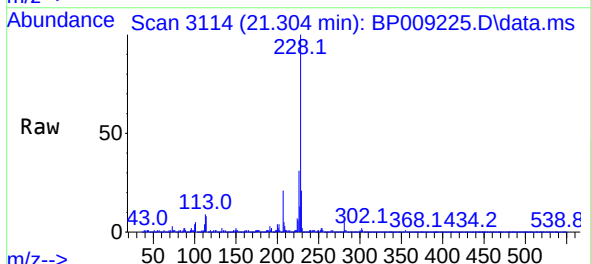
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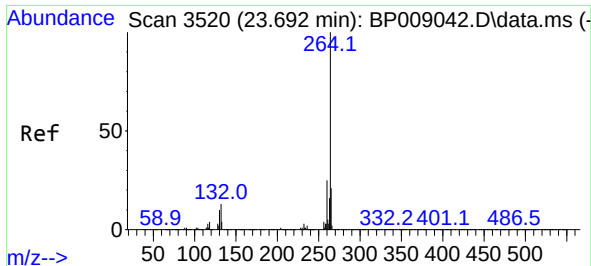
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022



#83
Chrysene
Concen: 9.203 ng m
RT: 21.304 min Scan# 3114
Delta R.T. -0.012 min
Lab File: BP009225.D
Acq: 18 Feb 2022 21:30

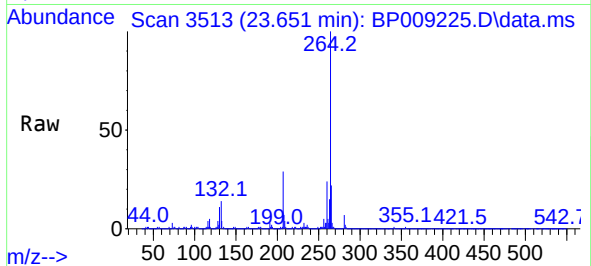
Tgt Ion:228 Resp: 797418
Ion Ratio Lower Upper
228 100
226 31.1 26.0 39.0
229 20.6 16.9 25.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.651 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP009225.D
Acq: 18 Feb 2022 21:30

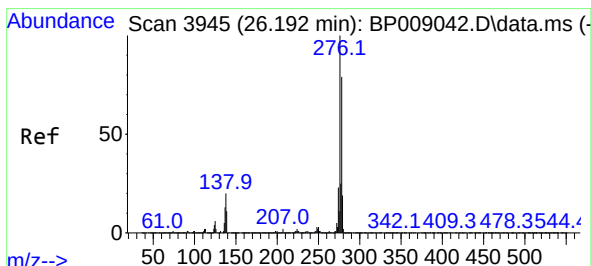
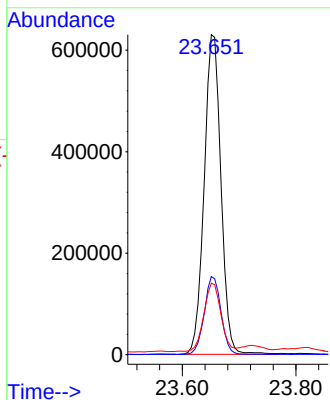
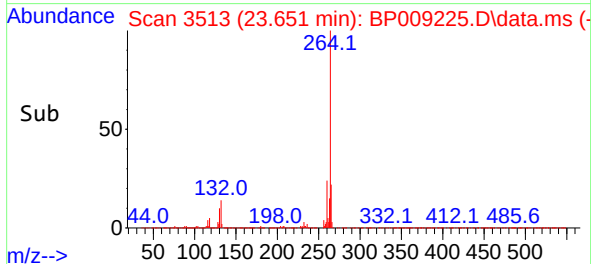
Instrument :
BNA_P
ClientSampleId :
SB-4R-E(0-0.5)



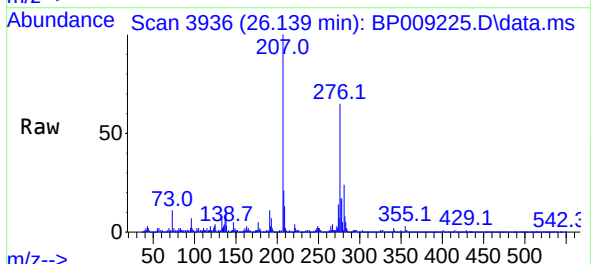
Tgt Ion:264 Resp: 128900
Ion Ratio Lower Upper
264 100
260 24.4 19.1 28.7
265 22.3 17.1 25.7

Manual Integrations
APPROVED

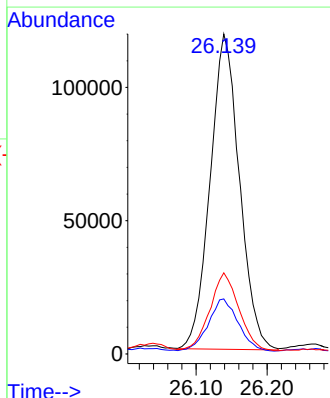
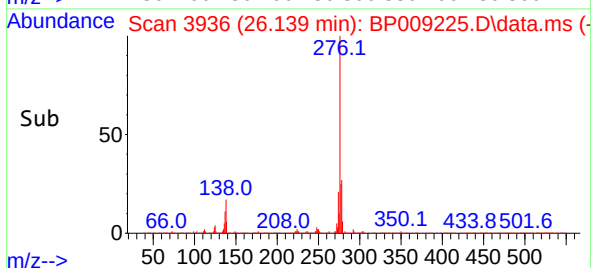
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022

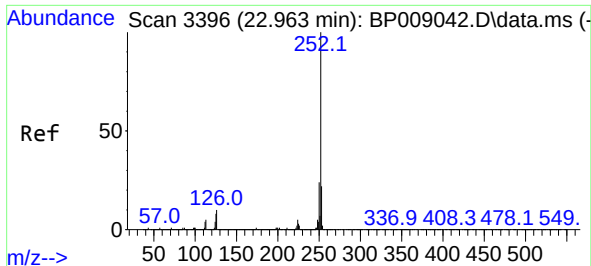


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.537 ng
RT: 26.139 min Scan# 3936
Delta R.T. -0.018 min
Lab File: BP009225.D
Acq: 18 Feb 2022 21:30



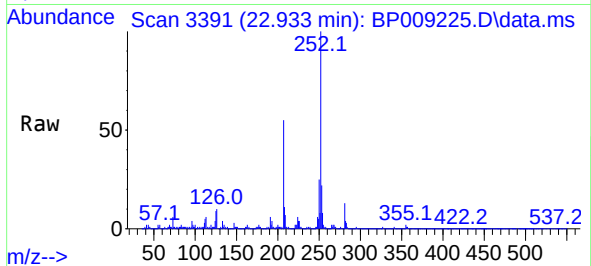
Tgt Ion:276 Resp: 338770
Ion Ratio Lower Upper
276 100
138 16.8 17.8 26.6#
277 24.5 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 10.108 ng
RT: 22.933 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP009225.D
Acq: 18 Feb 2022 21:30

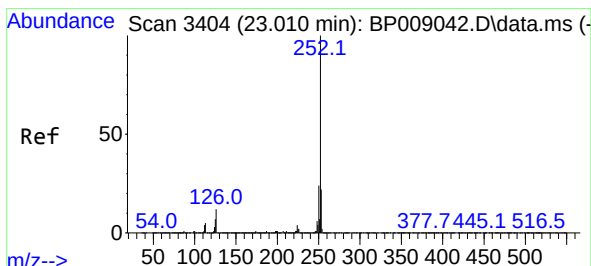
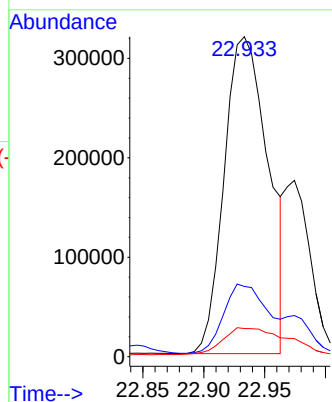
Instrument :
BNA_P
ClientSampleId :
SB-4R-E(0-0.5)



Tgt Ion:252 Resp: 80207
Ion Ratio Lower Upper
252 100
253 22.0 18.0 27.0
125 8.8 6.9 10.3

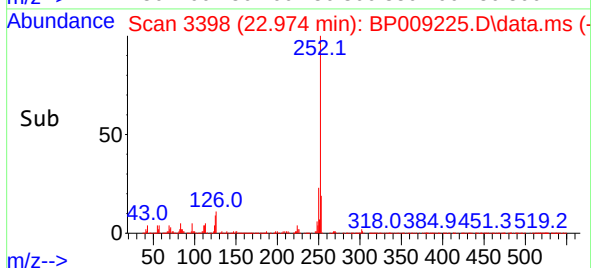
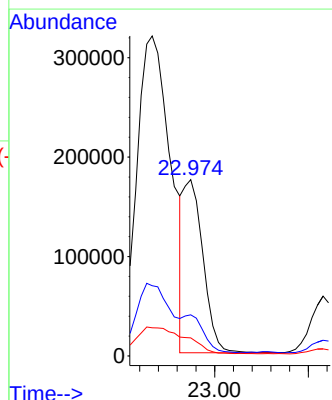
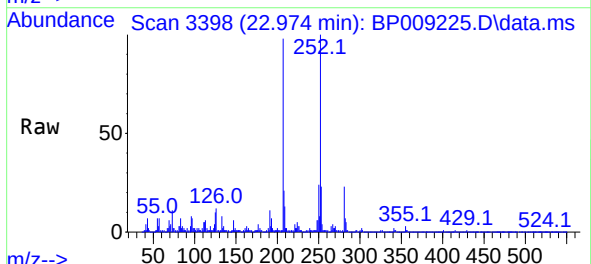
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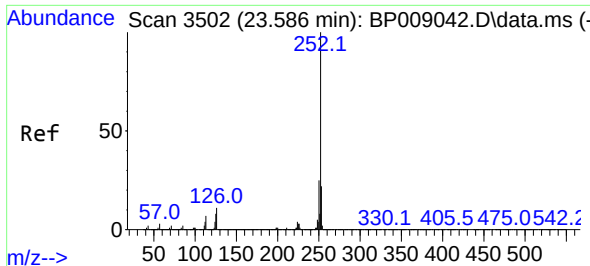
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022



#89
Benzo(k)fluoranthene
Concen: 3.175 ng m
RT: 22.974 min Scan# 3398
Delta R.T. -0.012 min
Lab File: BP009225.D
Acq: 18 Feb 2022 21:30

Tgt Ion:252 Resp: 251350
Ion Ratio Lower Upper
252 100
253 23.3 18.2 27.2
125 10.2 7.3 10.9





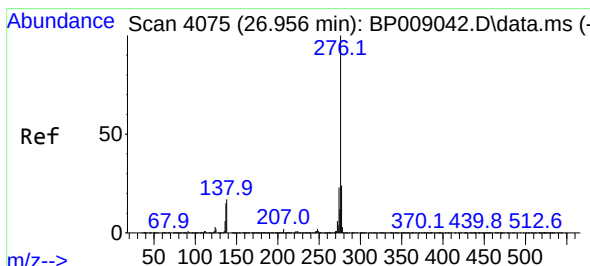
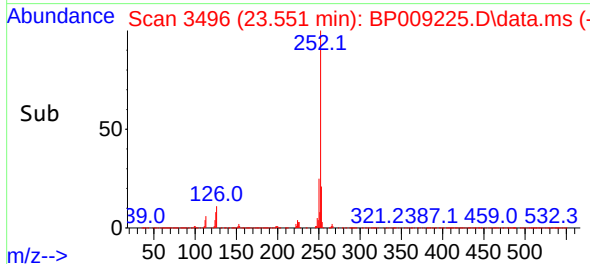
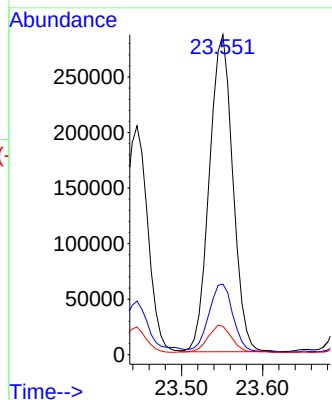
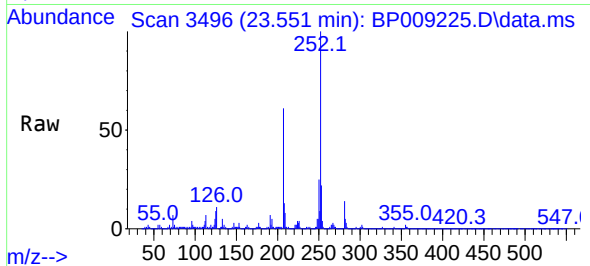
#90
Benzo(a)pyrene
Concen: 8.667 ng
RT: 23.551 min Scan# 34
Delta R.T. -0.006 min
Lab File: BP009225.D
Acq: 18 Feb 2022 21:30

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

Tgt Ion:252 Resp: 573418
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.8
125 8.8 7.8 11.6

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 4.283 ng
RT: 26.904 min Scan# 4066
Delta R.T. -0.018 min
Lab File: BP009225.D
Acq: 18 Feb 2022 21:30

Tgt Ion:276 Resp: 335608
Ion Ratio Lower Upper
276 100
277 24.2 19.2 28.8
138 17.4 15.0 22.4

