

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020922\
 Data File : BP009082.D
 Acq On : 09 Feb 2022 17:30
 Operator : CG/JU
 Sample : N1432-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SP-1

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/10/2022
 Supervised By : Jagrut Upadhyay 02/11/2022

Quant Time: Feb 10 01:44:04 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP020722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 07 15:13:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	222597	20.000	ng	0.00
21) Naphthalene-d8	10.599	136	898924	20.000	ng	0.00
39) Acenaphthene-d10	14.445	164	633326	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	1397782	20.000	ng	0.00
76) Chrysene-d12	21.304	240	1442023	20.000	ng	# 0.00
86) Perylene-d12	23.698	264	1291688	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	1296593	103.904	ng	0.00
7) Phenol-d6	6.993	99	1639866	99.731	ng	0.00
23) Nitrobenzene-d5	8.963	82	1015305	63.695	ng	0.00
42) 2,4,6-Tribromophenol	15.945	330	1141890	135.038	ng	0.00
45) 2-Fluorobiphenyl	13.069	172	2825510	62.455	ng	0.00
79) Terphenyl-d14	19.769	244	4367413	54.465	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.169	152	268534	4.817	ng	99
71) Phenanthrene	17.245	178	519707	6.867	ng	98
72) Anthracene	17.339	178	161046	2.175	ng	99
75) Fluoranthene	19.222	202	637326	7.513	ng	96
78) Pyrene	19.575	202	1187826	11.579	ng	98
81) Benzo(a)anthracene	21.286	228	409841	4.410	ng	95
83) Chrysene	21.339	228	485093	5.415	ng	99
87) Indeno(1,2,3-cd)pyrene	26.198	276	287177	2.992	ng	# 93
88) Benzo(b)fluoranthene	22.974	252	480087m	6.037	ng	
90) Benzo(a)pyrene	23.598	252	377193	5.690	ng	# 93
92) Benzo(g,h,i)perylene	26.968	276	409223	5.211	ng	97

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

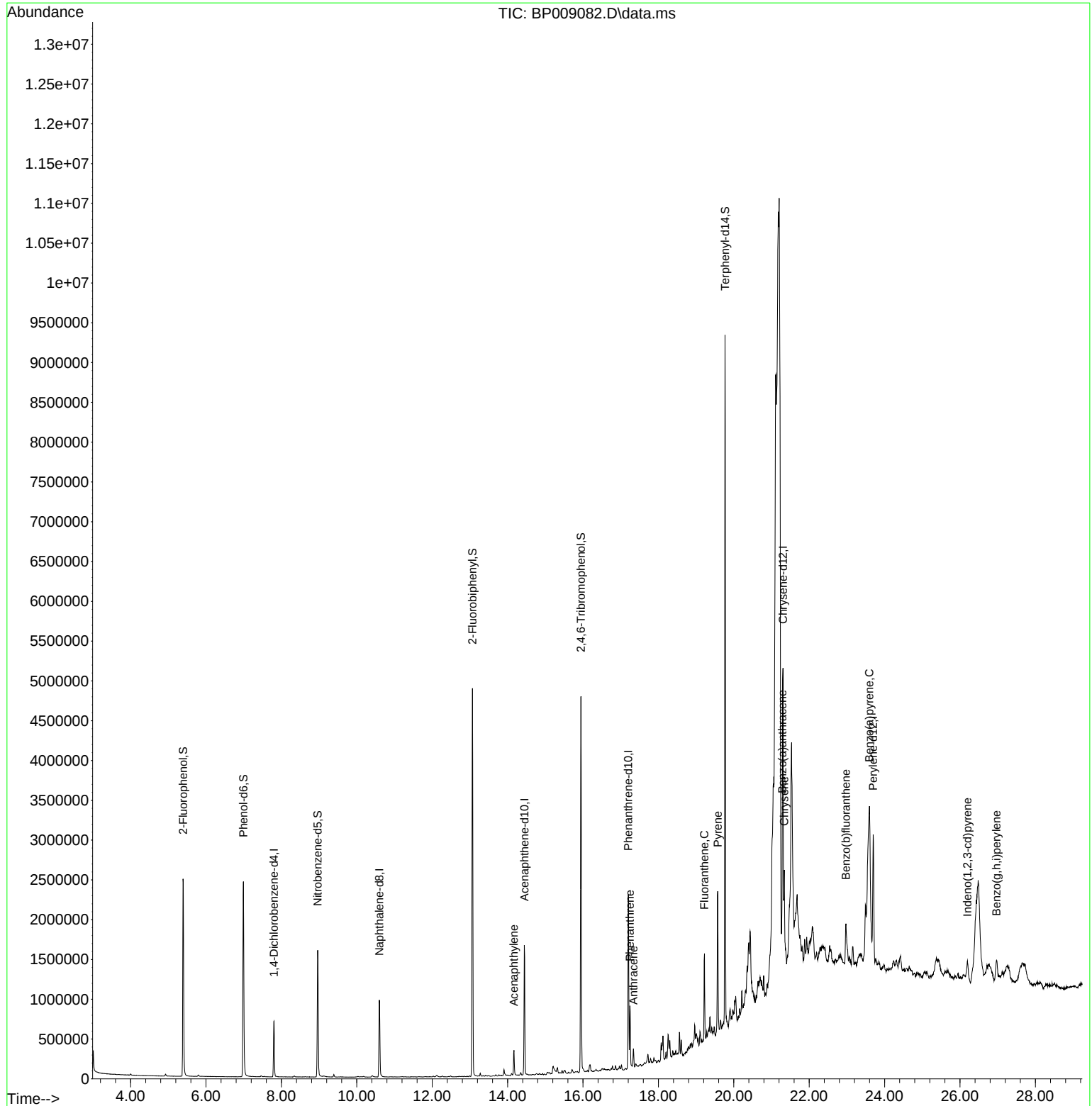
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020922\
Data File : BP009082.D
Acq On : 09 Feb 2022 17:30
Operator : CG/JU
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ALS Vial : 12 Sample Multiplier: 1

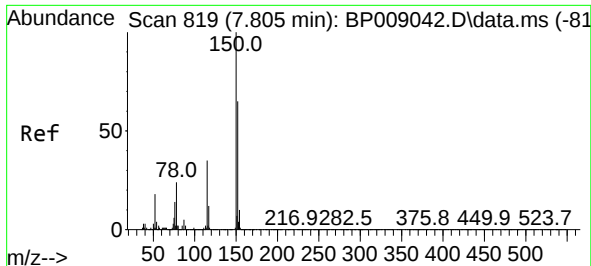
Instrument :
BNA_P
ClientSampleId :
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Quant Time: Feb 10 01:44:04 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP020722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 07 15:13:17 2022
Response via : Initial Calibration

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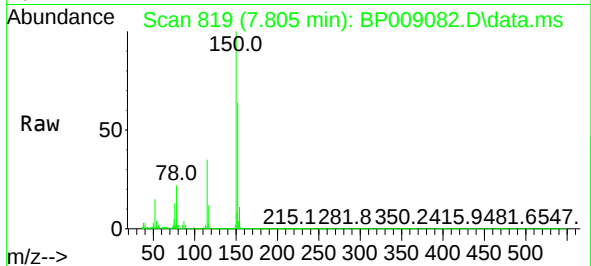
Reviewed By : Christian Giraldo 02/10/2022
Supervised By : Jagrut Upadhyay 02/11/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 819
Delta R.T. -0.000 min
Lab File: BP009082.D
Acq: 09 Feb 2022 17:30

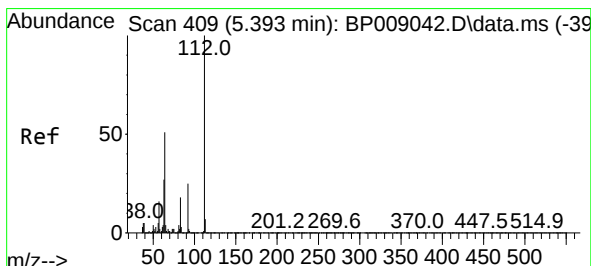
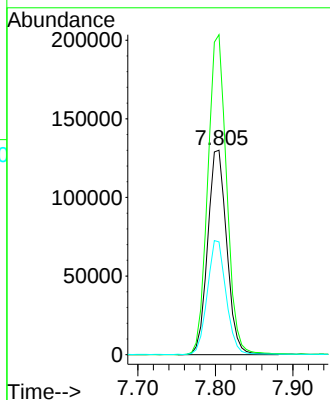
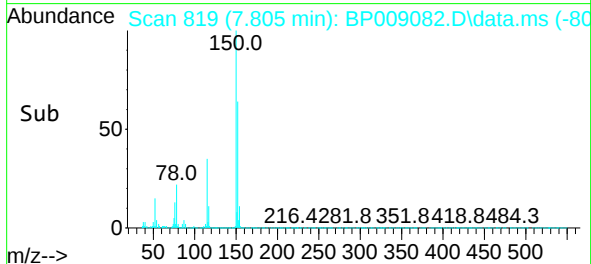
Instrument :
BNA_P
Client Sample Id :
SP-1



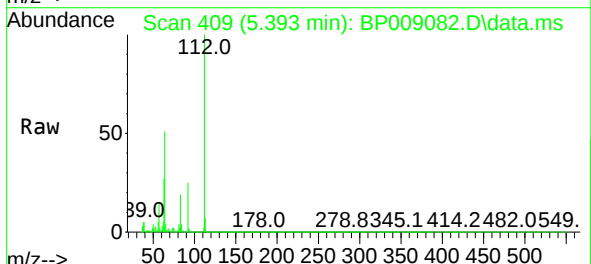
Tgt Ion: 152 Resp: 222597
Ion Ratio Lower Upper
152 100
150 156.4 127.0 190.6
115 55.2 43.7 65.5

Manual Integrations
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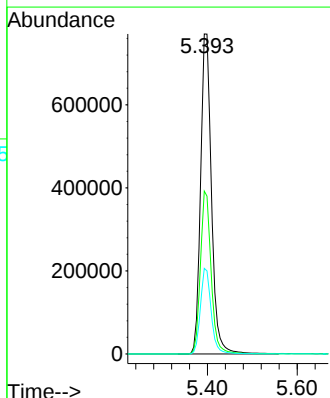
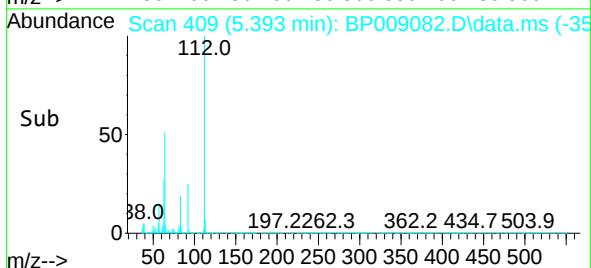
Reviewed By : Christian Giraldo 02/10/2022
Supervised By : Jagrut Upadhyay 02/11/2022

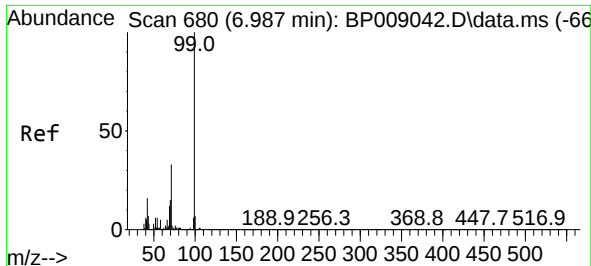


#5
2-Fluorophenol
Concen: 103.904 ng
RT: 5.393 min Scan# 409
Delta R.T. 0.000 min
Lab File: BP009082.D
Acq: 09 Feb 2022 17:30



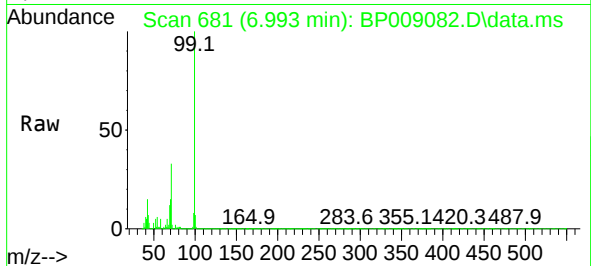
Tgt Ion: 112 Resp: 1296593
Ion Ratio Lower Upper
112 100
64 50.9 39.7 59.5
63 26.8 20.0 30.0





#7
Phenol-d6
Concen: 99.731 ng
RT: 6.993 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP009082.D
Acq: 09 Feb 2022 17:30

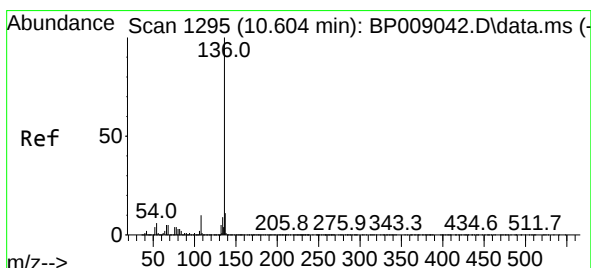
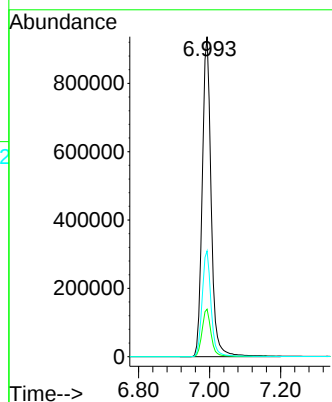
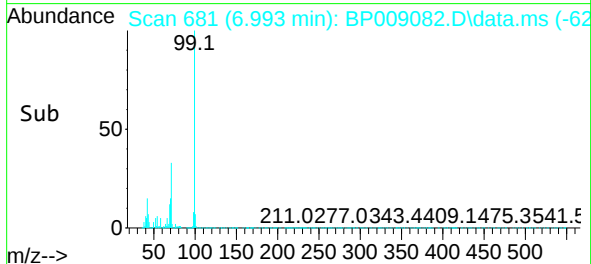
Instrument :
BNA_P
ClientSampleId :
SP-1



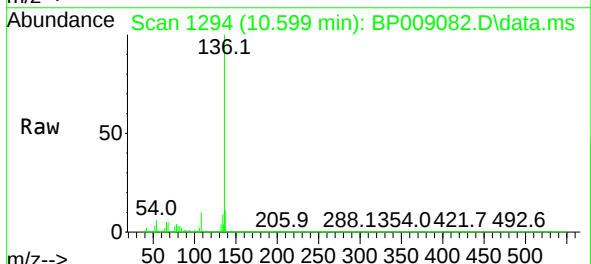
Tgt Ion: 99 Resp: 163986
Ion Ratio Lower Upper
99 100
42 14.9 10.8 16.2
71 33.0 23.8 35.6

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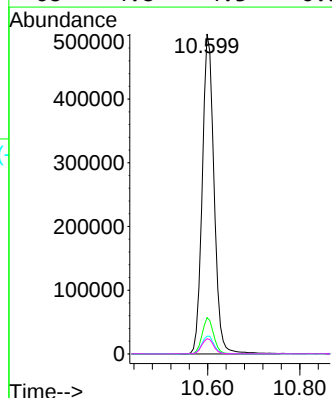
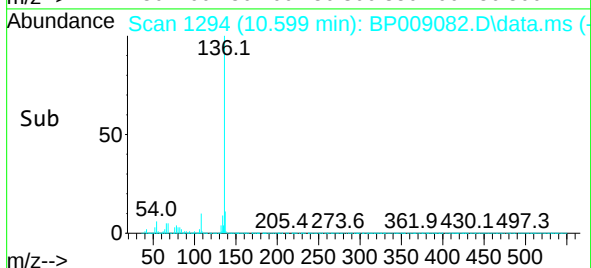
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :Jagrut Upadhyay 02/11/2022

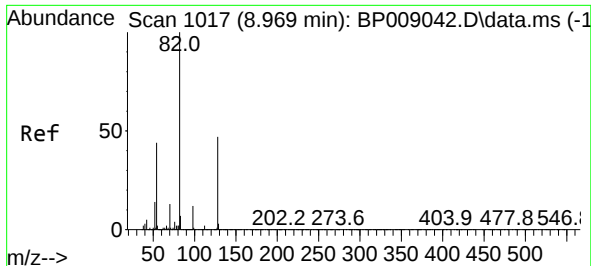


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.599 min Scan# 1294
Delta R.T. -0.005 min
Lab File: BP009082.D
Acq: 09 Feb 2022 17:30



Tgt Ion:136 Resp: 898924
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.4
54 5.6 4.9 7.3
68 4.8 4.3 6.5





#23

Nitrobenzene-d5

Concen: 63.695 ng

RT: 8.963 min Scan# 1016

Delta R.T. -0.006 min

Lab File: BP009082.D

Acq: 09 Feb 2022 17:30

Instrument :

BNA_P

ClientSampleId :

SP-1

Tgt Ion: 82 Resp: 101530

Ion Ratio Lower Upper

82 100

128 47.9 39.4 59.2

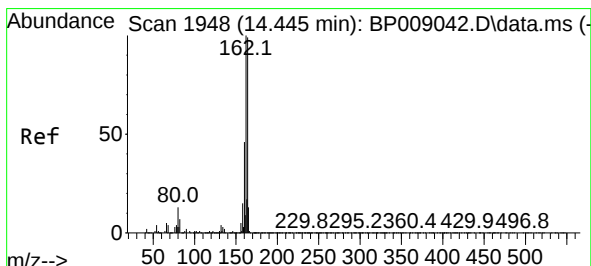
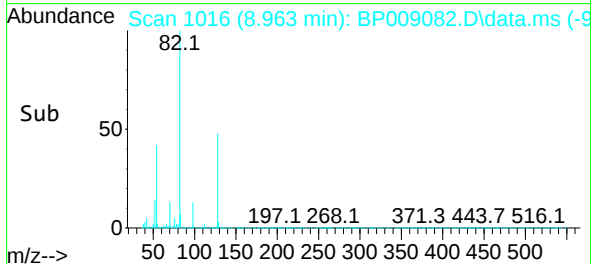
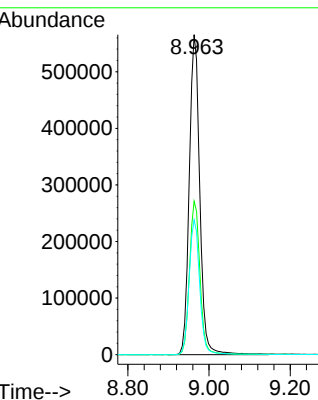
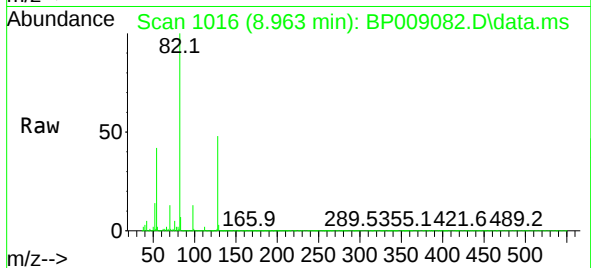
54 42.2 32.6 48.8

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.445 min Scan# 1948

Delta R.T. 0.000 min

Lab File: BP009082.D

Acq: 09 Feb 2022 17:30

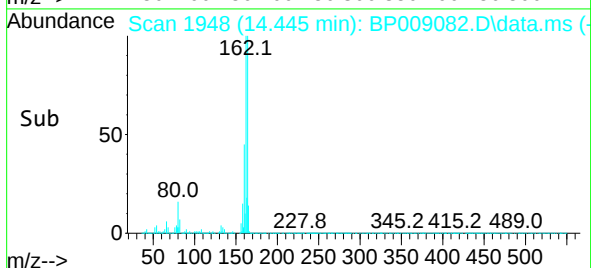
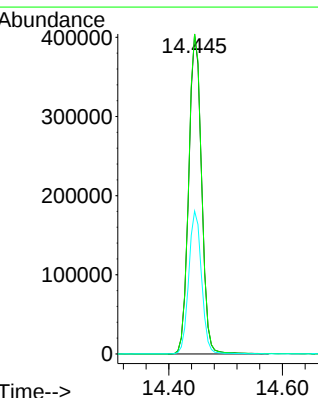
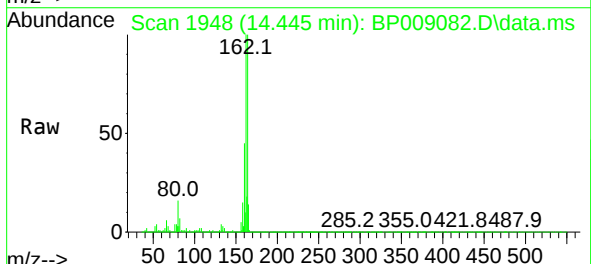
Tgt Ion:164 Resp: 633326

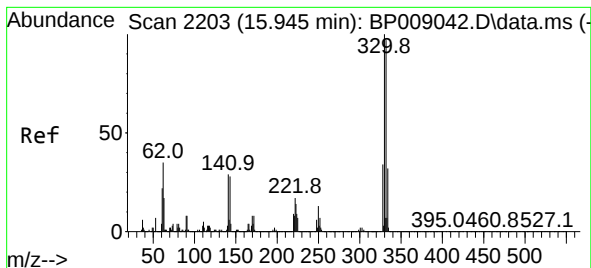
Ion Ratio Lower Upper

164 100

162 99.9 79.9 119.9

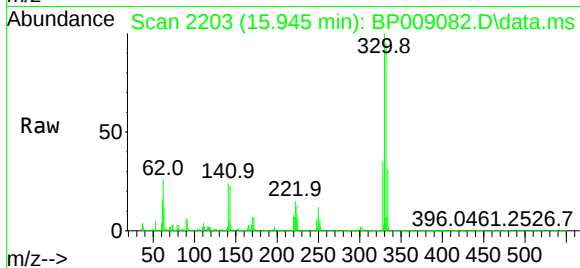
160 44.7 35.5 53.3





#42
2,4,6-Tribromophenol
Concen: 135.038 ng
RT: 15.945 min Scan# 2203
Delta R.T. 0.000 min
Lab File: BP009082.D
Acq: 09 Feb 2022 17:30

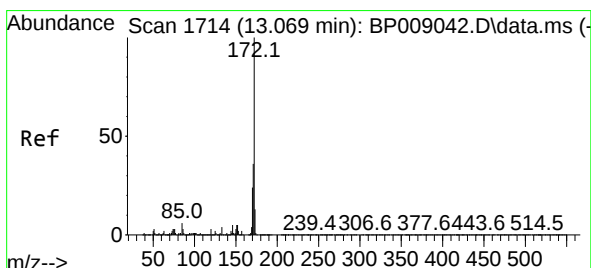
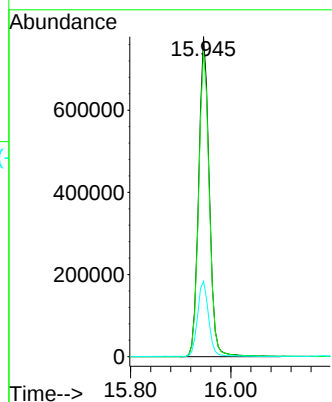
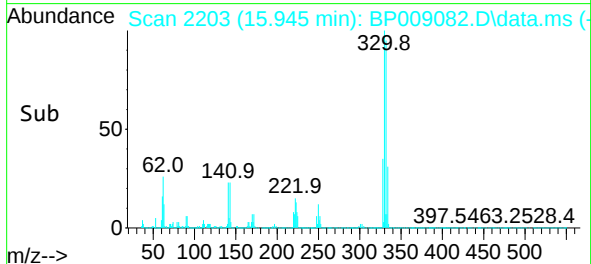
Instrument :
BNA_P
ClientSampleId :
SP-1



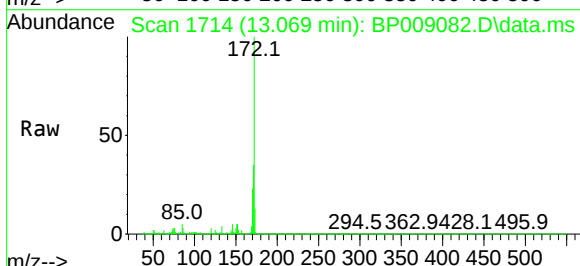
Tgt Ion:330 Resp: 1141890
Ion Ratio Lower Upper
330 100
332 96.4 77.0 115.4
141 24.3 21.3 31.9

Manual Integrations
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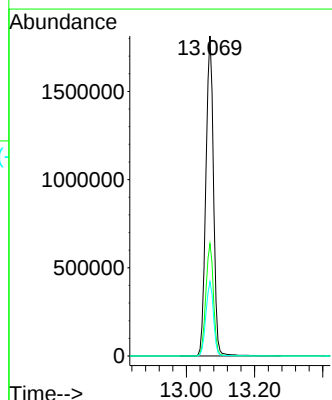
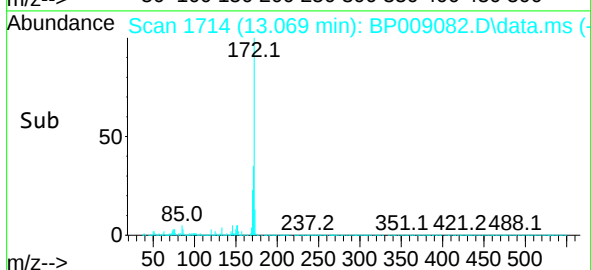
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :Jagrut Upadhyay 02/11/2022

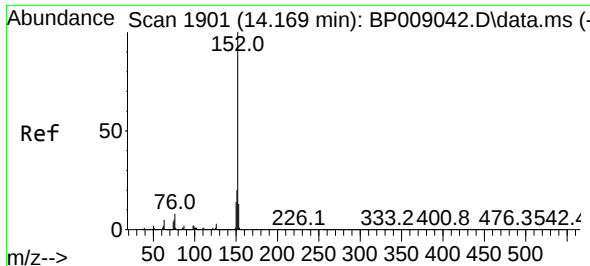


#45
2-Fluorobiphenyl
Concen: 62.455 ng
RT: 13.069 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BP009082.D
Acq: 09 Feb 2022 17:30



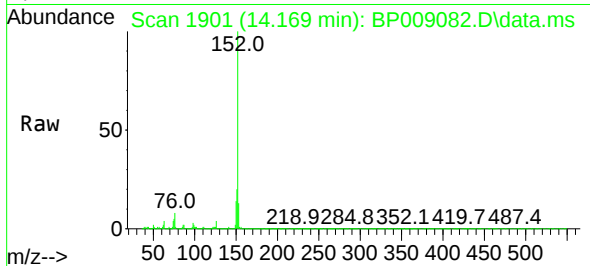
Tgt Ion:172 Resp: 2825510
Ion Ratio Lower Upper
172 100
171 35.1 29.3 43.9
170 23.3 19.5 29.3





#49
Acenaphthylene
Concen: 4.817 ng
RT: 14.169 min Scan# 1901
Delta R.T. 0.000 min
Lab File: BP009082.D
Acq: 09 Feb 2022 17:30

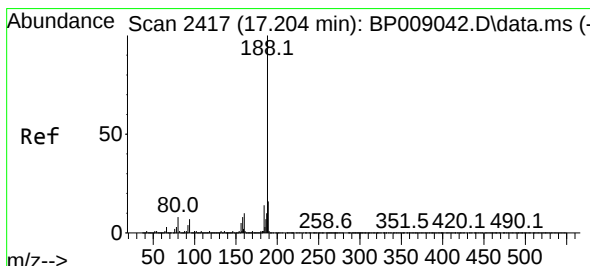
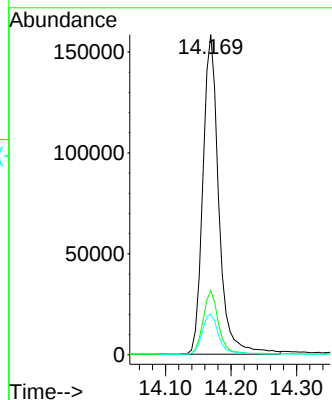
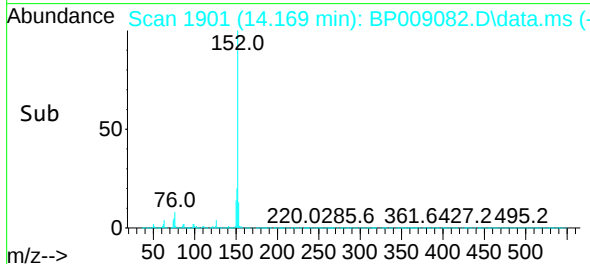
Instrument :
BNA_P
ClientSampleId :
SP-1



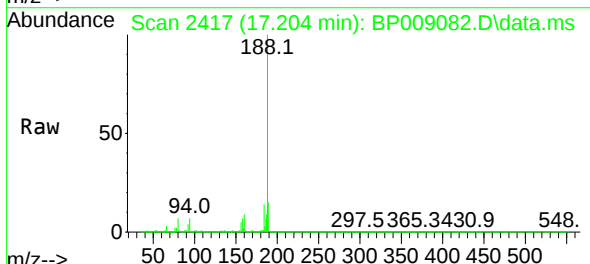
Tgt Ion:152 Resp: 268534
Ion Ratio Lower Upper
152 100
151 20.0 16.1 24.1
153 12.7 10.6 16.0

Manual Integrations
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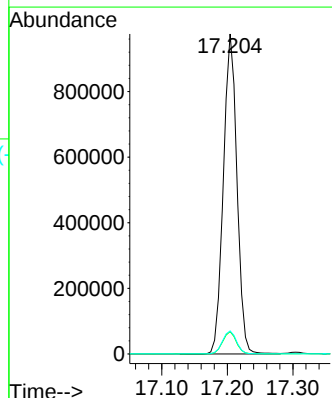
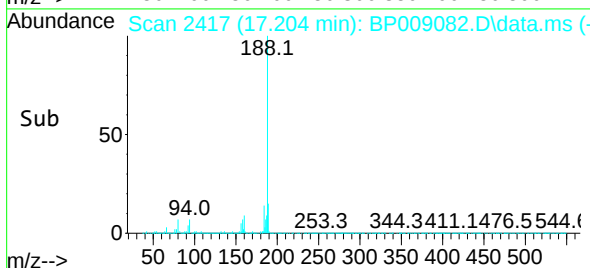
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :Jagrut Upadhyay 02/11/2022

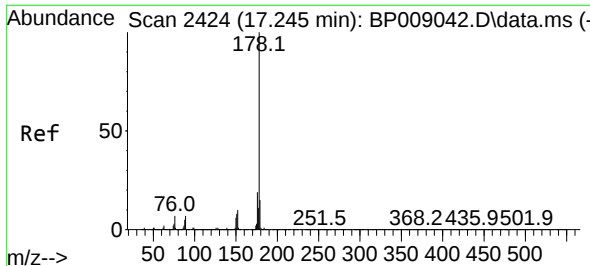


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2417
Delta R.T. 0.000 min
Lab File: BP009082.D
Acq: 09 Feb 2022 17:30



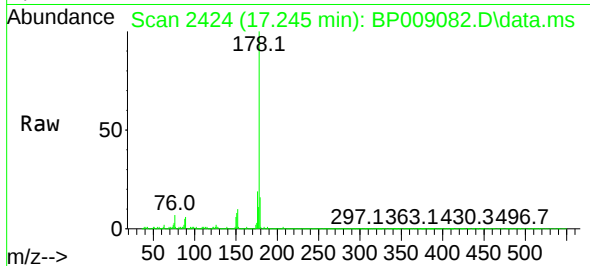
Tgt Ion:188 Resp: 1397782
Ion Ratio Lower Upper
188 100
94 7.0 6.8 10.2
80 7.2 7.2 10.8





#71
Phenanthrene
Concen: 6.867 ng
RT: 17.245 min Scan# 2424
Delta R.T. 0.000 min
Lab File: BP009082.D
Acq: 09 Feb 2022 17:30

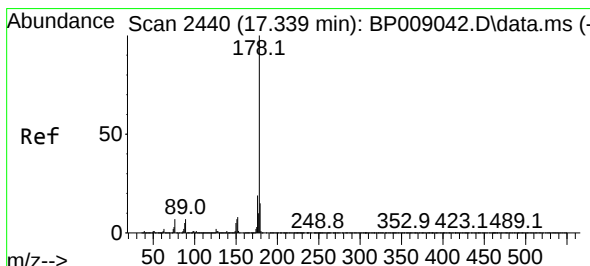
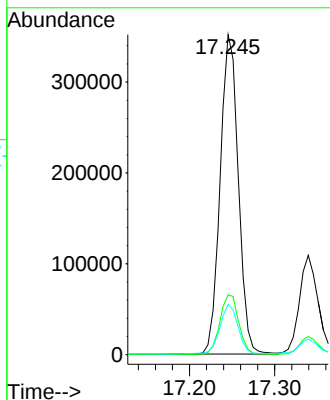
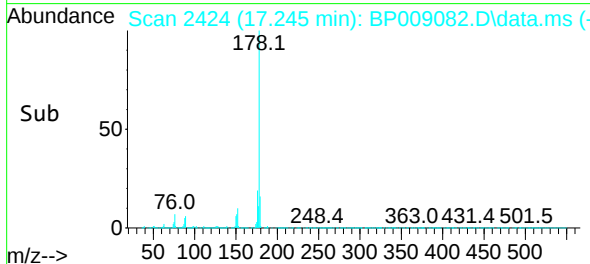
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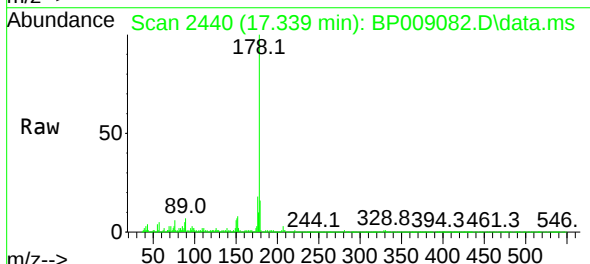
Tgt Ion:178 Resp: 51970
Ion Ratio Lower Upper
178 100
176 18.7 16.0 24.0
179 15.7 13.0 19.4

Manual Integrations
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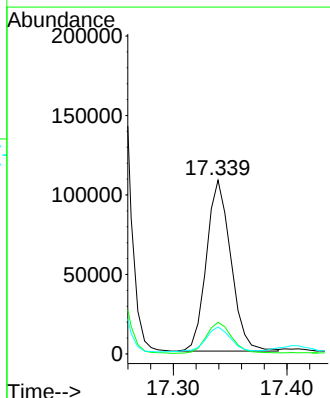
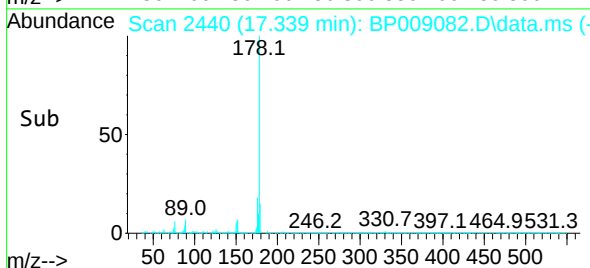
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :Jagrut Upadhyay 02/11/2022

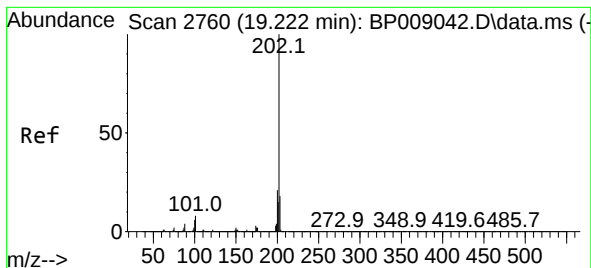


#72
Anthracene
Concen: 2.175 ng
RT: 17.339 min Scan# 2440
Delta R.T. 0.000 min
Lab File: BP009082.D
Acq: 09 Feb 2022 17:30



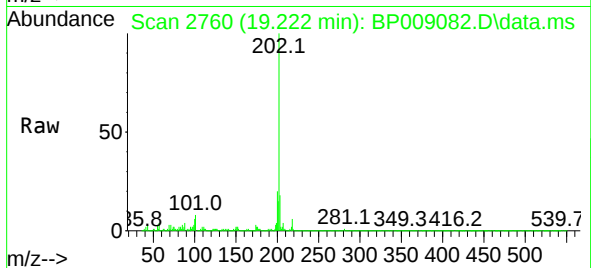
Tgt Ion:178 Resp: 161046
Ion Ratio Lower Upper
178 100
176 18.3 15.1 22.7
179 15.6 12.8 19.2





#75
Fluoranthene
Concen: 7.513 ng
RT: 19.222 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP009082.D
Acq: 09 Feb 2022 17:30

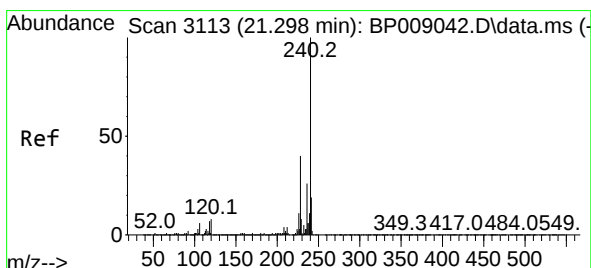
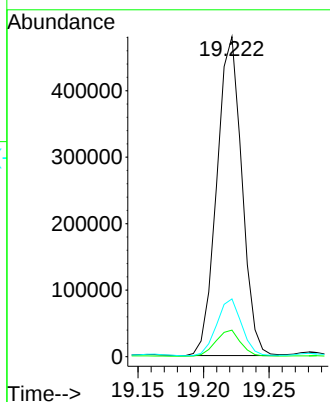
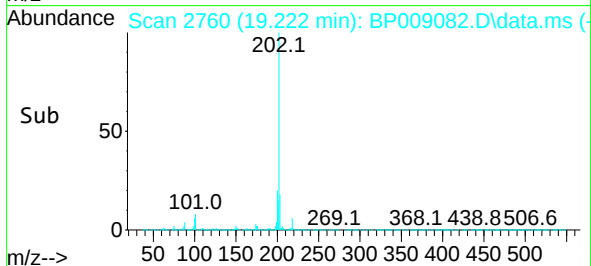
Instrument :
BNA_P
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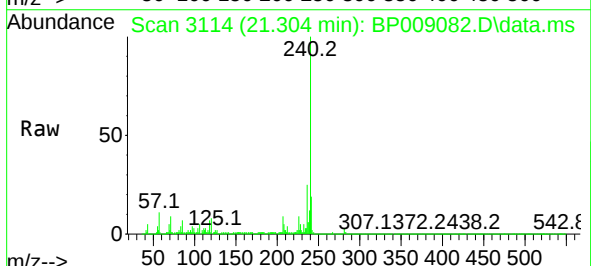
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Ion Ratio Lower Upper
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203 18.0 0.0 38.9

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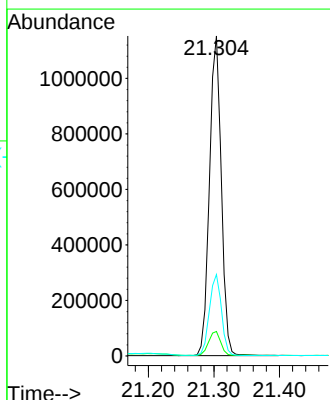
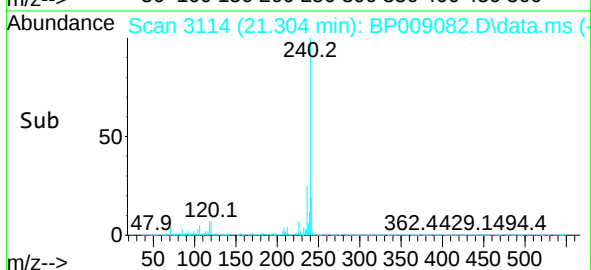
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :Jagrut Upadhyay 02/11/2022

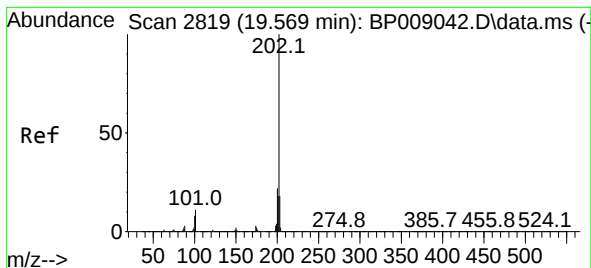


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.304 min Scan# 3114
Delta R.T. 0.006 min
Lab File: BP009082.D
Acq: 09 Feb 2022 17:30



Tgt Ion:240 Resp: 1442023
Ion Ratio Lower Upper
240 100
120 7.6 7.7 11.5#
236 25.5 21.2 31.8





#78

Pyrene

Concen: 11.579 ng

RT: 19.575 min Scan# 2819

Delta R.T. 0.006 min

Lab File: BP009082.D

Acq: 09 Feb 2022 17:30

Instrument :

BNA_P

ClientSampleId :

SP-1

Tgt Ion:202 Resp: 1187820

Ion Ratio Lower Upper

202 100

200 21.4 18.0 27.0

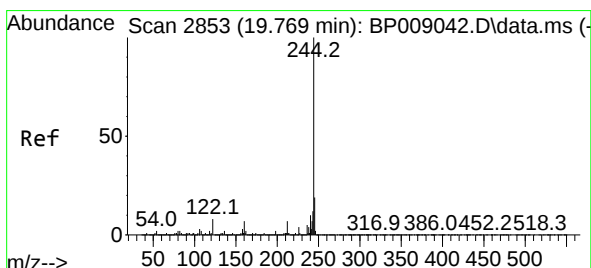
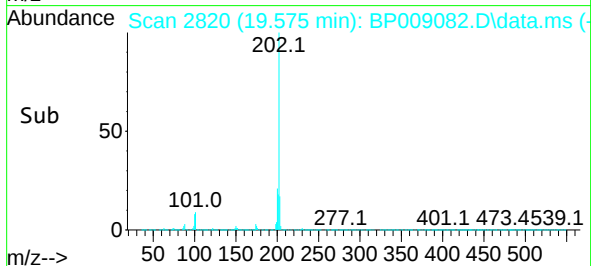
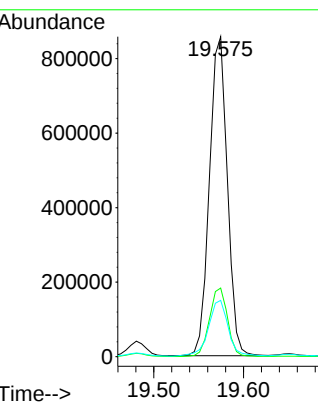
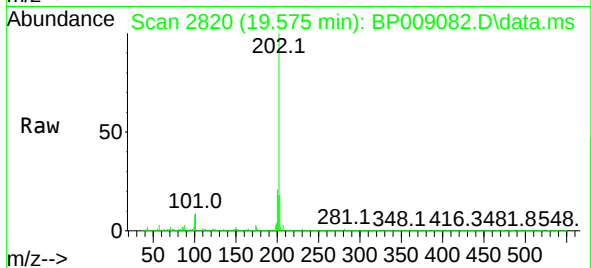
203 17.6 15.0 22.6

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Supervised By :Jagrut Upadhyay 02/11/2022



#79

Terphenyl-d14

Concen: 54.465 ng

RT: 19.769 min Scan# 2853

Delta R.T. 0.000 min

Lab File: BP009082.D

Acq: 09 Feb 2022 17:30

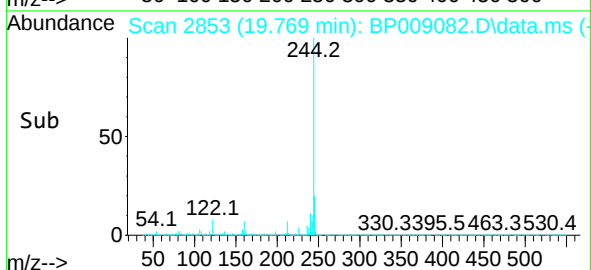
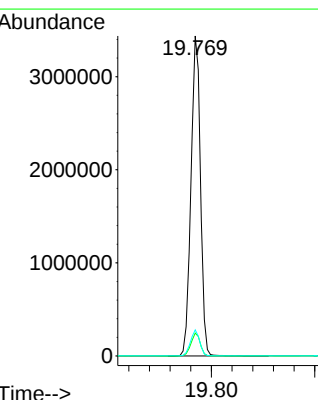
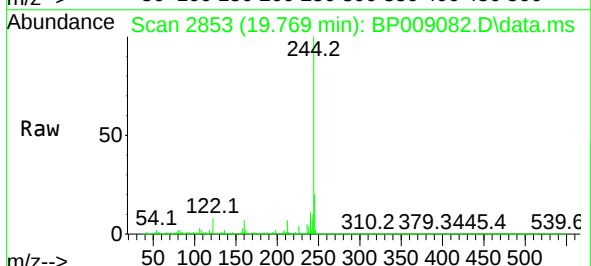
Tgt Ion:244 Resp: 4367413

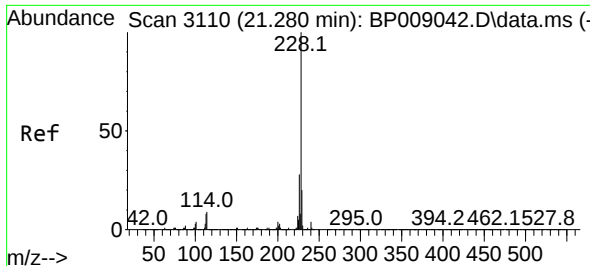
Ion Ratio Lower Upper

244 100

212 7.1 6.5 9.7

122 8.2 9.2 13.8#





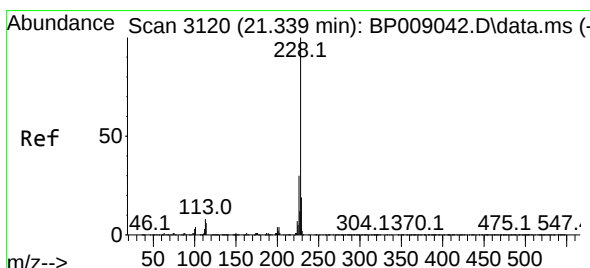
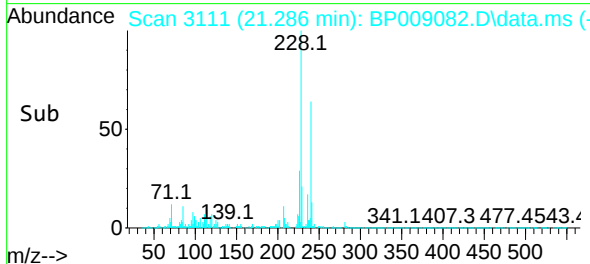
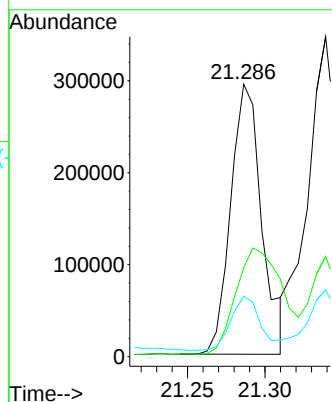
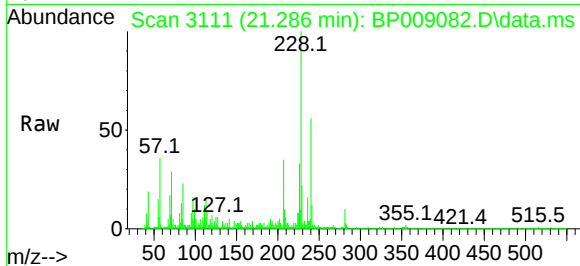
#81
Benzo(a)anthracene
Concen: 4.410 ng
RT: 21.286 min Scan# 3111
Delta R.T. 0.006 min
Lab File: BP009082.D
Acq: 09 Feb 2022 17:30

Instrument :
BNA_P
ClientSampleId :
SP-1

Tgt Ion:228 Resp: 40984
Ion Ratio Lower Upper
228 100
226 32.6 23.3 34.9
229 22.2 17.0 25.6

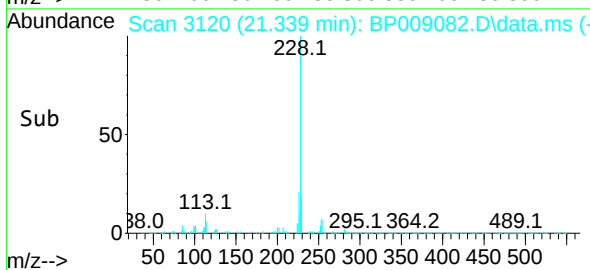
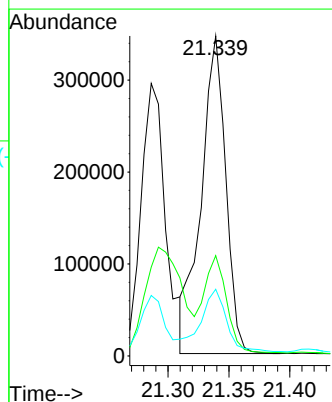
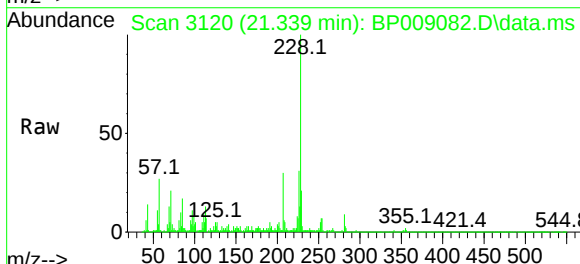
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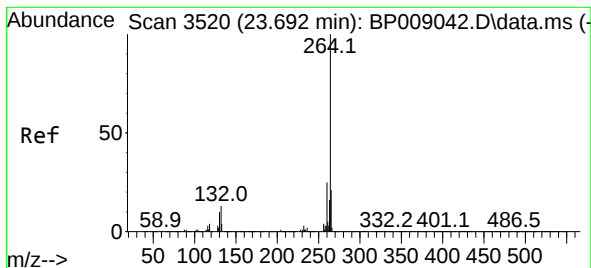
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :Jagrut Upadhyay 02/11/2022



#83
Chrysene
Concen: 5.415 ng
RT: 21.339 min Scan# 3120
Delta R.T. 0.000 min
Lab File: BP009082.D
Acq: 09 Feb 2022 17:30

Tgt Ion:228 Resp: 485093
Ion Ratio Lower Upper
228 100
226 31.3 26.0 39.0
229 20.9 16.9 25.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.698 min Scan# 3520

Delta R.T. 0.006 min

Lab File: BP009082.D

Acq: 09 Feb 2022 17:30

Instrument :

BNA_P

ClientSampleId :

SP-1

Tgt Ion:264 Resp: 129168

Ion Ratio Lower Upper

264 100

260 23.7 19.1 28.7

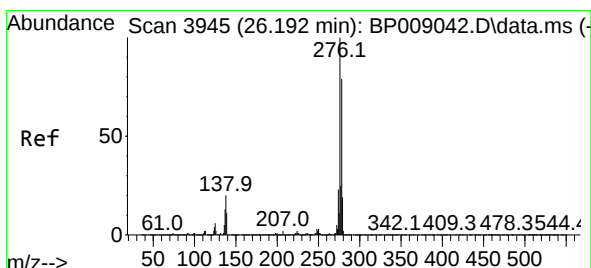
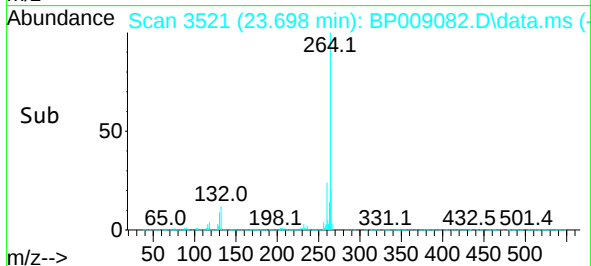
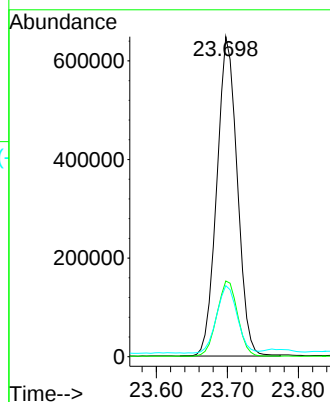
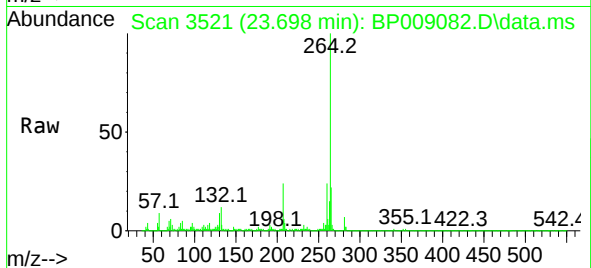
265 22.2 17.1 25.7

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Supervised By :Jagrut Upadhyay 02/11/2022



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.992 ng

RT: 26.198 min Scan# 3946

Delta R.T. 0.006 min

Lab File: BP009082.D

Acq: 09 Feb 2022 17:30

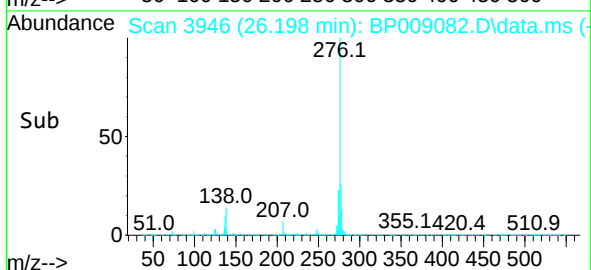
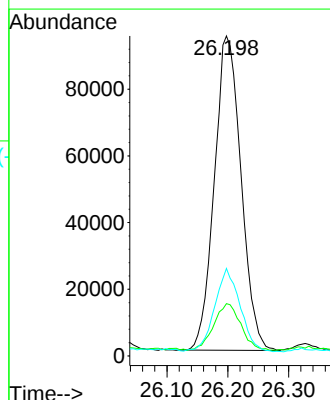
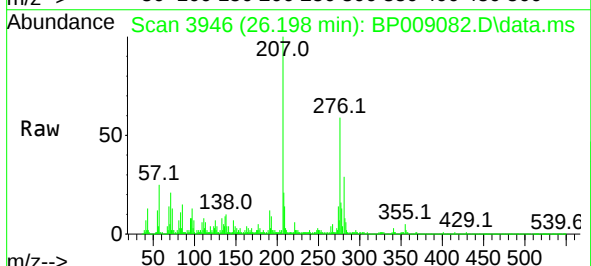
Tgt Ion:276 Resp: 287177

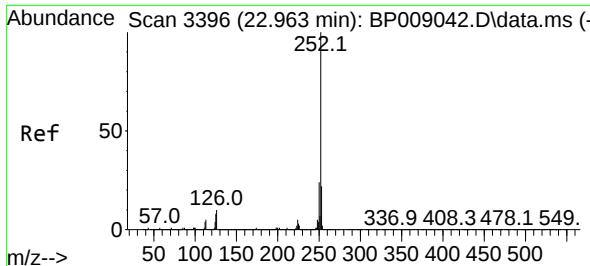
Ion Ratio Lower Upper

276 100

138 15.1 17.8 26.6

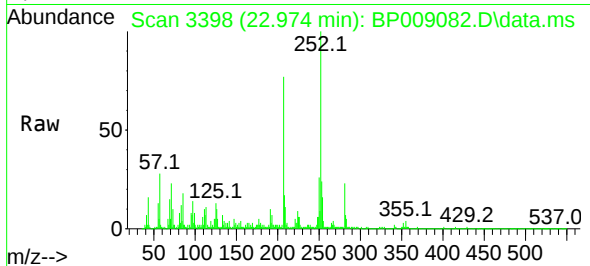
277 25.0 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 6.037 ng m
RT: 22.974 min Scan# 31
Delta R.T. 0.012 min
Lab File: BP009082.D
Acq: 09 Feb 2022 17:30

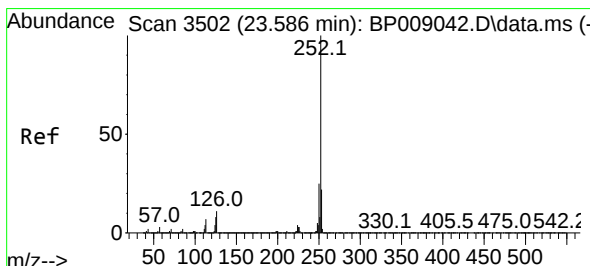
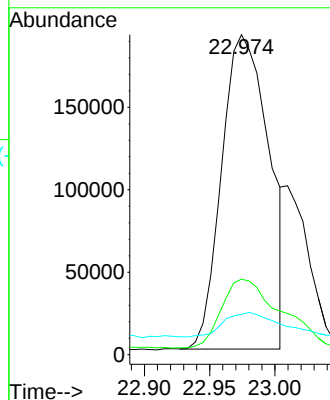
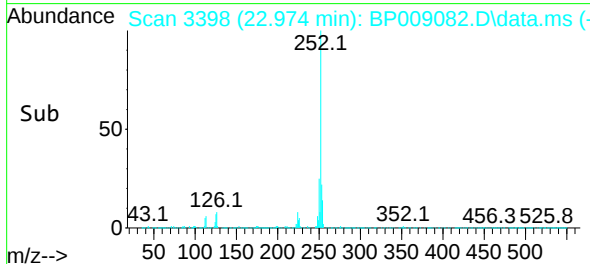
Instrument :
BNA_P
ClientSampleId :
SP-1



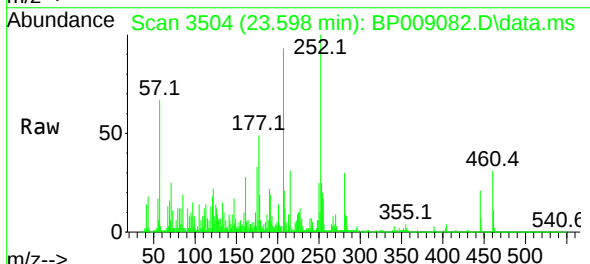
Tgt Ion:252 Resp: 48008
Ion Ratio Lower Upper
252 100
253 23.6 18.0 27.0
125 12.6 6.9 10.3

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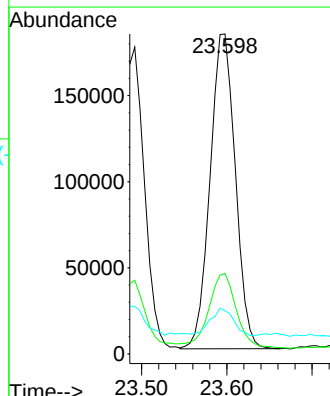
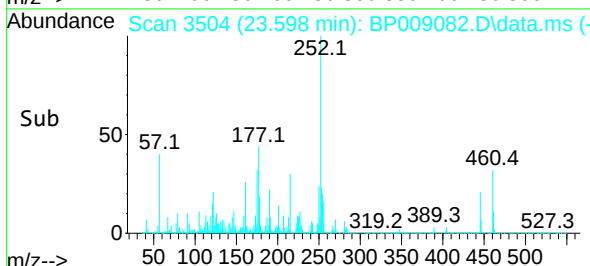
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :Jagrut Upadhyay 02/11/2022

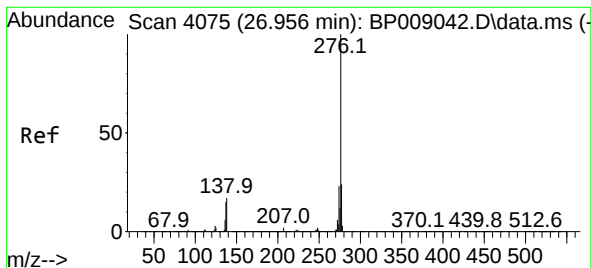


#90
Benzo(a)pyrene
Concen: 5.690 ng
RT: 23.598 min Scan# 3504
Delta R.T. 0.012 min
Lab File: BP009082.D
Acq: 09 Feb 2022 17:30



Tgt Ion:252 Resp: 377193
Ion Ratio Lower Upper
252 100
253 25.1 17.8 26.8
125 13.5 7.8 11.6





#92

Benzo(g,h,i)perylene

Concen: 5.211 ng

RT: 26.968 min Scan# 4077

Delta R.T. 0.012 min

Lab File: BP009082.D

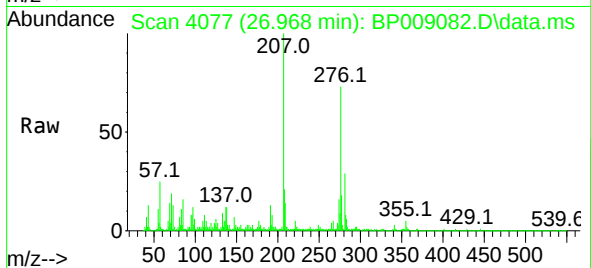
Acq: 09 Feb 2022 17:30

Instrument :

BNA_P

ClientSampleId :

SP-1



Tgt Ion: 276 Resp: 40922

Ion Ratio Lower Upper

276 100

277 24.3 19.2 28.8

138 16.2 15.0 22.4

Manual Integrations

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Reviewed By : Christian Giraldo 02/10/2022

Supervised By : Jagrut Upadhyay 02/11/2022

