

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021022\
 Data File : BP009109.D
 Acq On : 10 Feb 2022 20:37
 Operator : CG/JU
 Sample : N1455-01 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-1

Quant Time: Feb 11 02:27:50 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	220038	20.000	ng	0.00
21) Naphthalene-d8	10.599	136	888221	20.000	ng	0.00
39) Acenaphthene-d10	14.446	164	594190	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	1145191	20.000	ng	0.00
76) Chrysene-d12	21.304	240	1202096	20.000	ng	0.00
86) Perylene-d12	23.704	264	1369285	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.405	112	207102	16.789	ng	0.01
7) Phenol-d6	7.005	99	248929	15.315	ng	0.02
23) Nitrobenzene-d5	8.969	82	154806	9.829	ng	0.00
42) 2,4,6-Tribromophenol	15.951	330	136783	17.241	ng	0.00
45) 2-Fluorobiphenyl	13.063	172	426731	10.054	ng	0.00
79) Terphenyl-d14	19.769	244	590469	8.833	ng	0.00
Target Compounds						
71) Phenanthrene	17.245	178	204189	3.293	ng	97
75) Fluoranthene	19.222	202	504359	7.257	ng	97
78) Pyrene	19.575	202	496479	5.806	ng	98
81) Benzo(a)anthracene	21.286	228	262465	3.388	ng	98
83) Chrysene	21.339	228	256315m	3.432	ng	
87) Indeno(1,2,3-cd)pyrene	26.216	276	220970	2.172	ng	# 92
88) Benzo(b)fluoranthene	22.975	252	362970	4.306	ng	# 86
90) Benzo(a)pyrene	23.598	252	259208	3.688	ng	# 92
92) Benzo(g,h,i)perylene	26.980	276	239632	2.879	ng	92

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

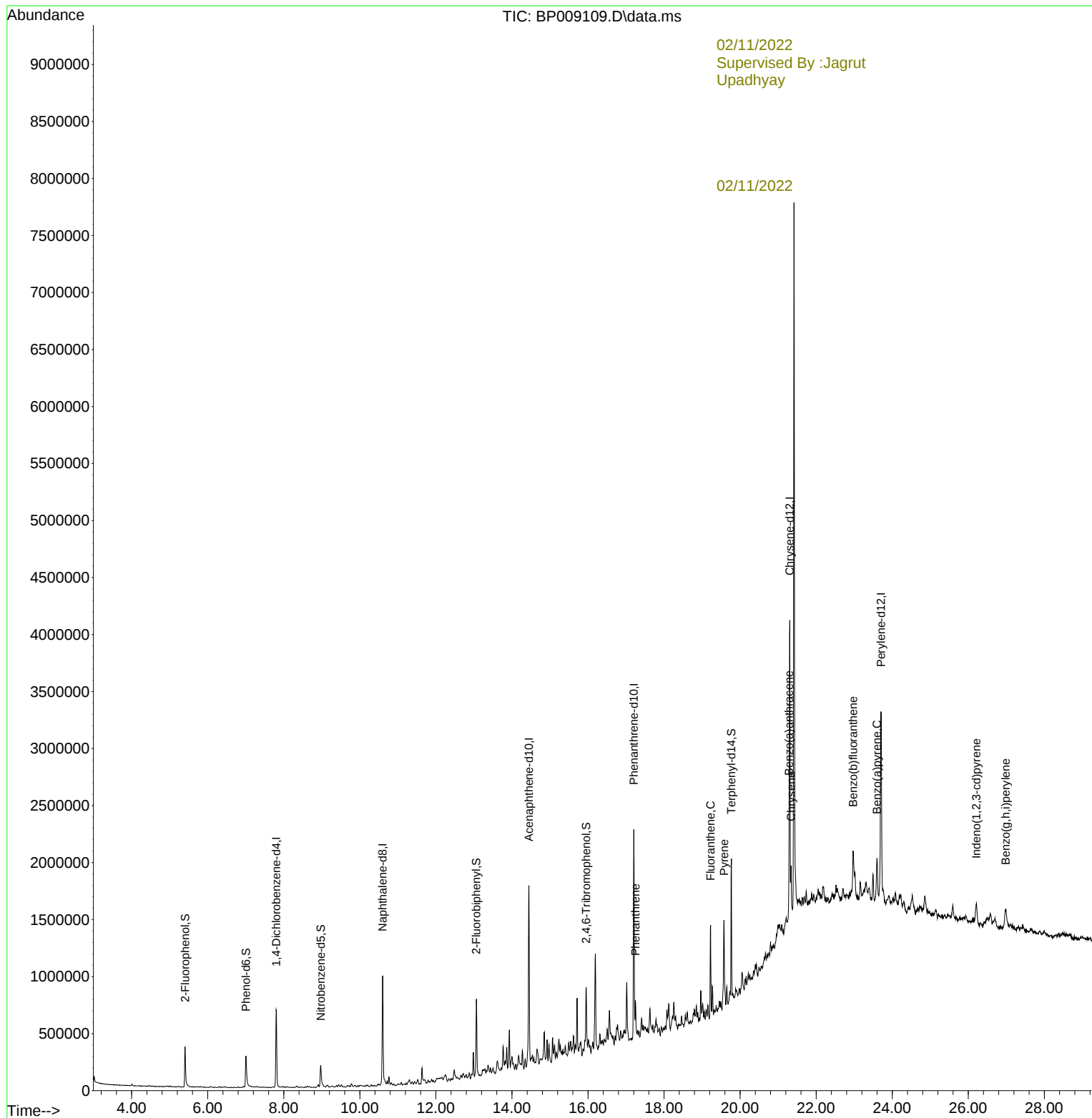
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Operator : CG/JU
Sample : N1455-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

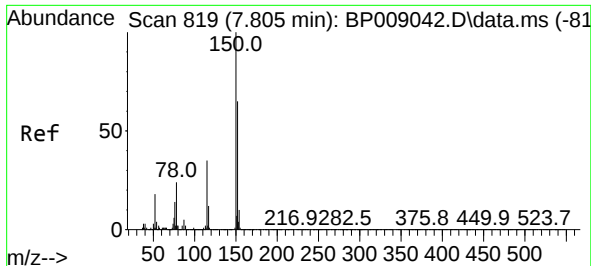
Instrument :
BNA_P
ClientSampleId :
TP-1

Quant Time: Feb 11 02:27:50 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP020722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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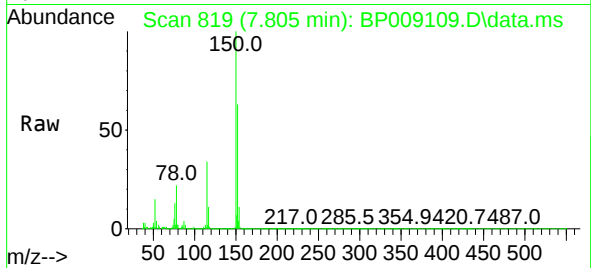
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 819
Delta R.T. -0.000 min
Lab File: BP009109.D
Acq: 10 Feb 2022 20:37

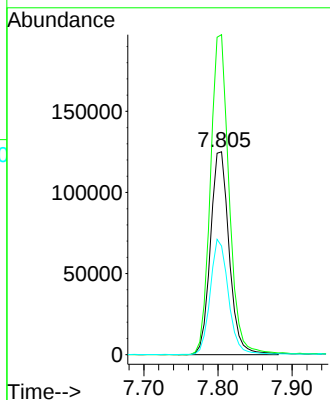
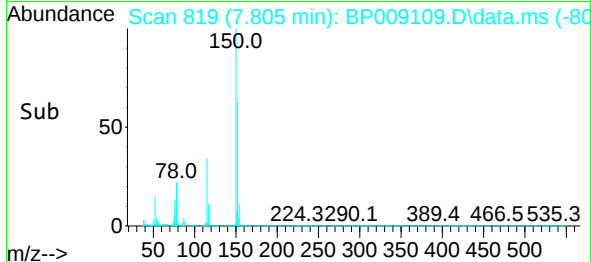
Instrument :
BNA_P
ClientSampleId :
TP-1



Tgt Ion:152 Resp: 220038
Ion Ratio Lower Upper
152 100
150 157.7 127.0 190.6
115 53.5 43.7 65.5

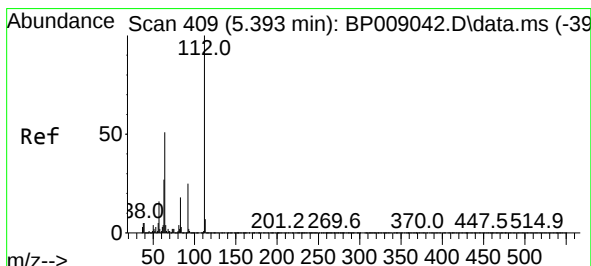
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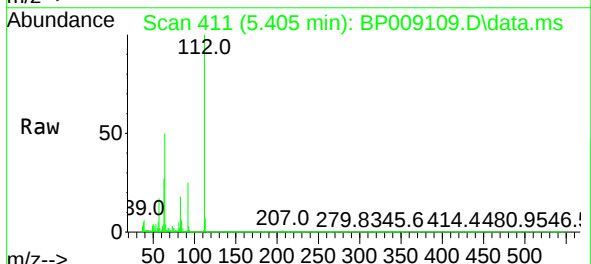


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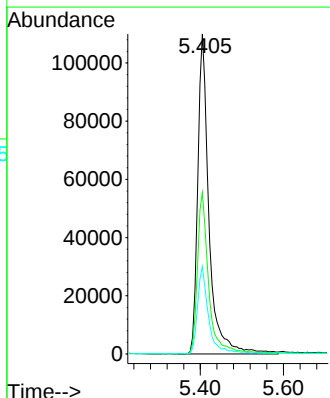
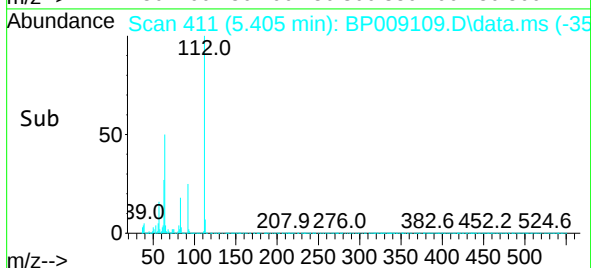
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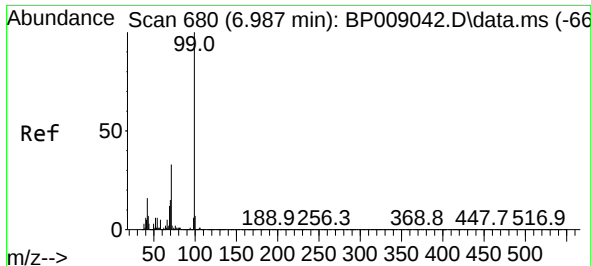


#5
2-Fluorophenol
Concen: 16.789 ng
RT: 5.405 min Scan# 411
Delta R.T. 0.012 min
Lab File: BP009109.D
Acq: 10 Feb 2022 20:37



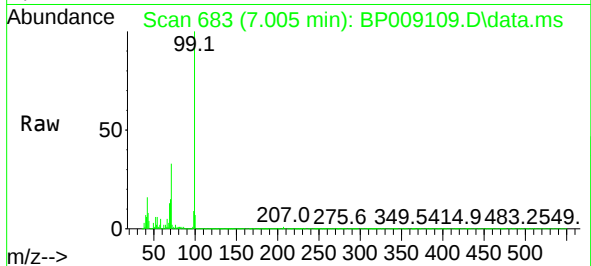
Tgt Ion:112 Resp: 207102
Ion Ratio Lower Upper
112 100
64 50.5 39.7 59.5
63 27.3 20.0 30.0





#7
Phenol-d6
Concen: 15.315 ng
RT: 7.005 min Scan# 680
Delta R.T. 0.018 min
Lab File: BP009109.D
Acq: 10 Feb 2022 20:37

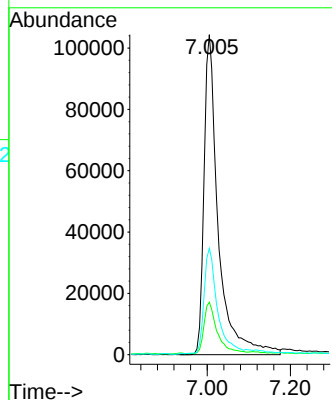
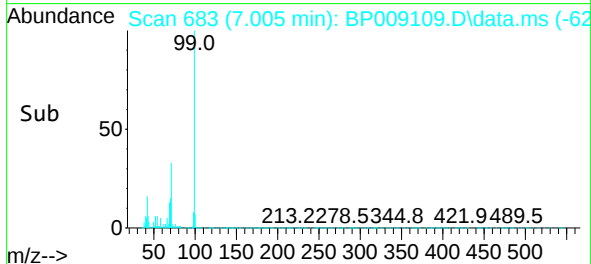
Instrument :
BNA_P
ClientSampleId :
TP-1



Tgt Ion: 99 Resp: 248929
Ion Ratio Lower Upper
99 100
42 16.4 10.8 16.2
71 33.2 23.8 35.6

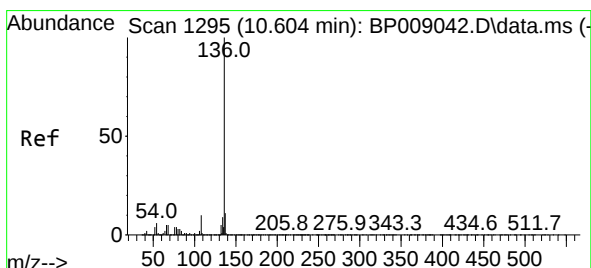
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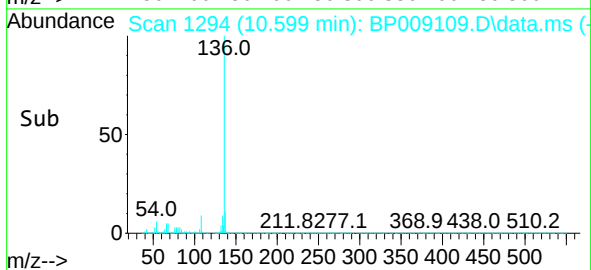
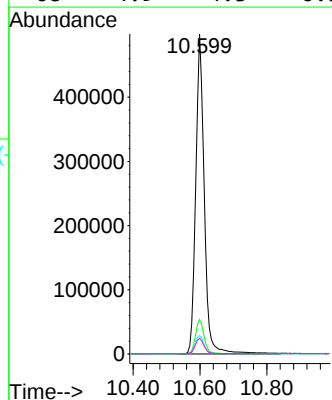
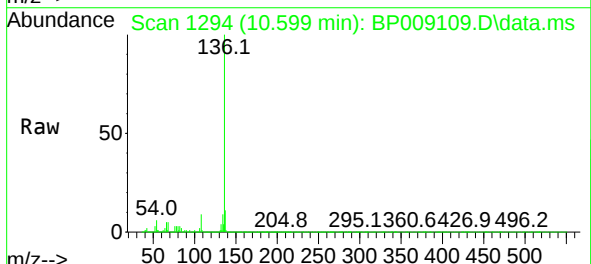
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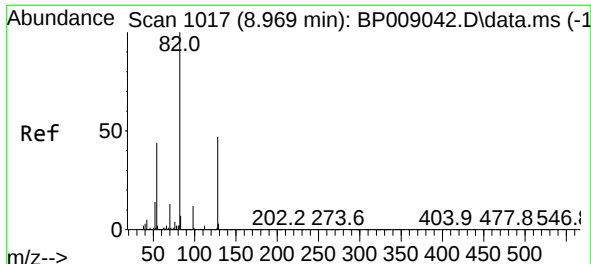
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.599 min Scan# 1294
Delta R.T. -0.005 min
Lab File: BP009109.D
Acq: 10 Feb 2022 20:37

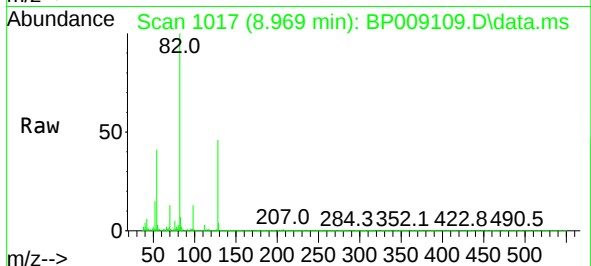
Tgt Ion:136 Resp: 888221
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.4
54 5.8 4.9 7.3
68 4.9 4.3 6.5





#23
Nitrobenzene-d5
Concen: 9.829 ng
RT: 8.969 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BP009109.D
Acq: 10 Feb 2022 20:37

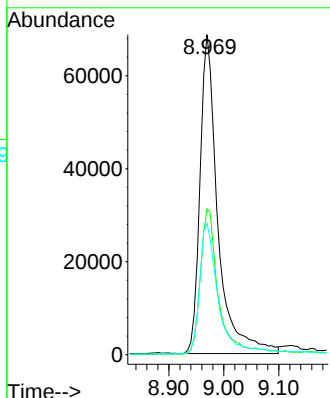
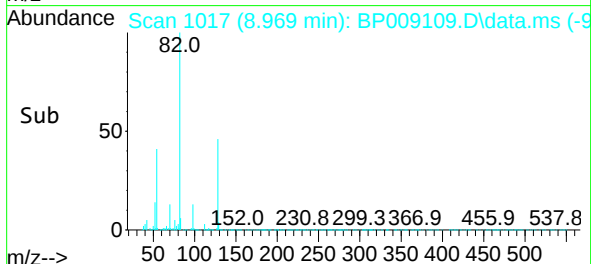
Instrument :
BNA_P
ClientSampleId :
TP-1



Tgt Ion: 82 Resp: 154800
Ion Ratio Lower Upper
82 100
128 45.6 39.4 59.2
54 41.0 32.6 48.8

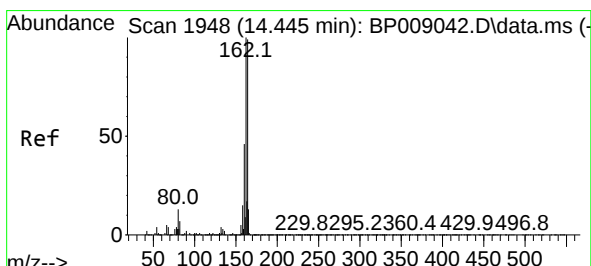
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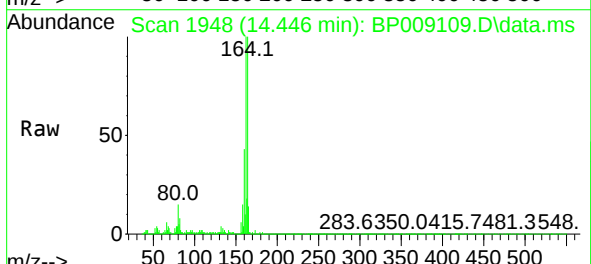


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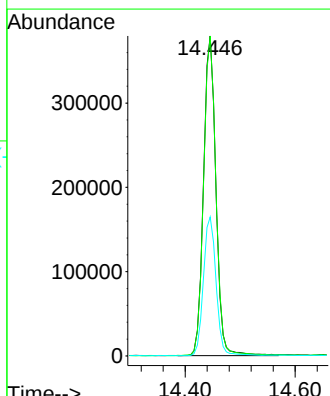
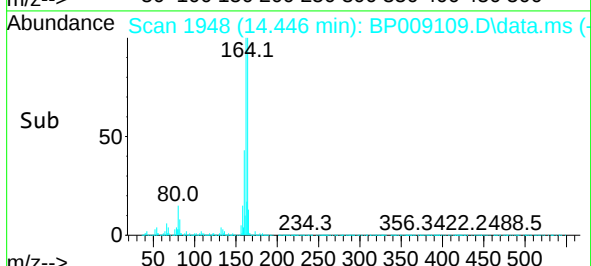
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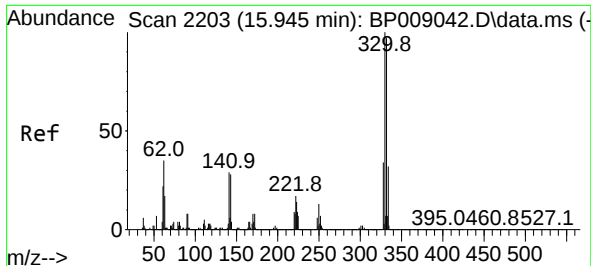


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.446 min Scan# 1948
Delta R.T. 0.001 min
Lab File: BP009109.D
Acq: 10 Feb 2022 20:37



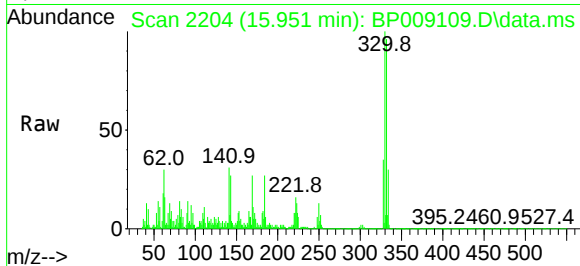
Tgt Ion:164 Resp: 594190
Ion Ratio Lower Upper
164 100
162 99.9 79.9 119.9
160 43.4 35.5 53.3





#42
2,4,6-Tribromophenol
Concen: 17.241 ng
RT: 15.951 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP009109.D
Acq: 10 Feb 2022 20:37

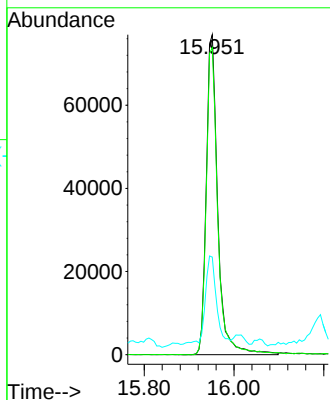
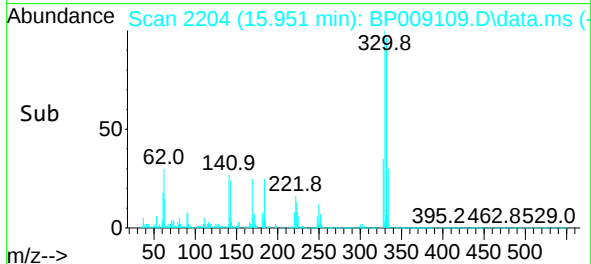
Instrument :
BNA_P
ClientSampleId :
TP-1



Tgt Ion:330 Resp: 13678
Ion Ratio Lower Upper
330 100
332 96.1 77.0 115.4
141 28.2 21.3 31.9

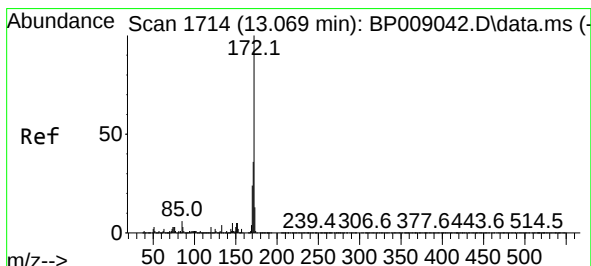
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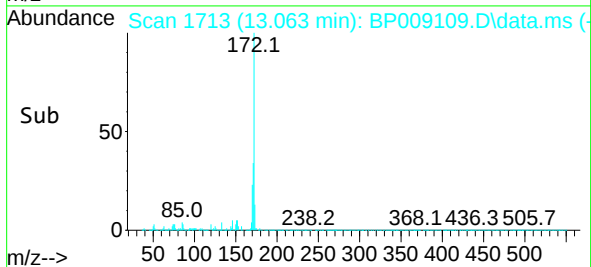
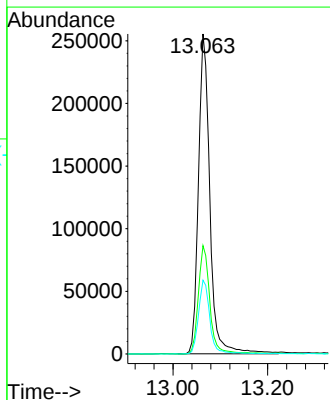
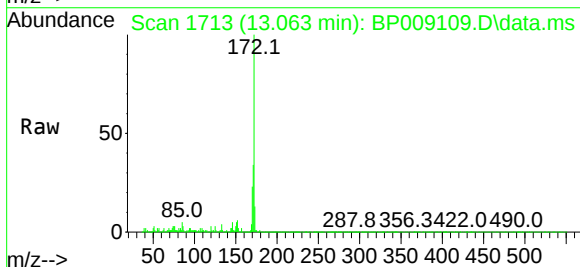
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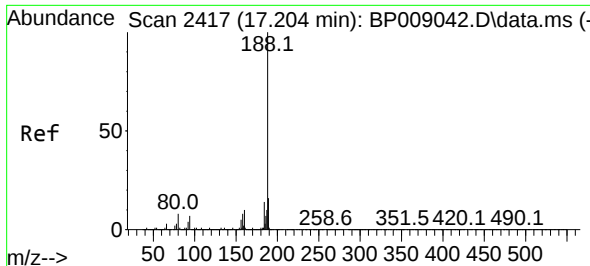
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#45
2-Fluorobiphenyl
Concen: 10.054 ng
RT: 13.063 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BP009109.D
Acq: 10 Feb 2022 20:37

Tgt Ion:172 Resp: 426731
Ion Ratio Lower Upper
172 100
171 33.9 29.3 43.9
170 23.1 19.5 29.3





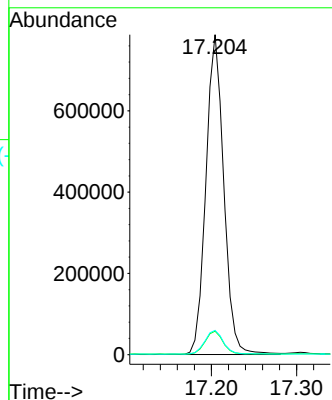
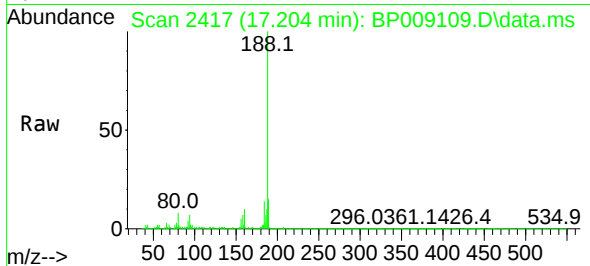
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2417
Delta R.T. 0.000 min
Lab File: BP009109.D
Acq: 10 Feb 2022 20:37

Instrument :
BNA_P
ClientSampleId :
TP-1

Tgt Ion:188 Resp: 114519
Ion Ratio Lower Upper
188 100
94 7.3 6.8 10.2
80 7.6 7.2 10.8

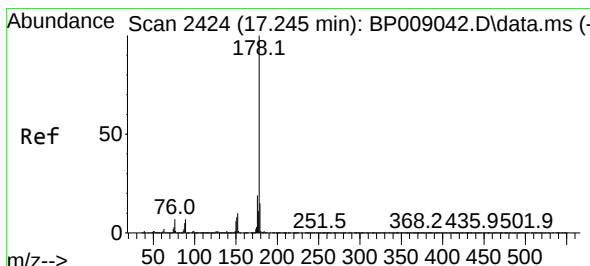
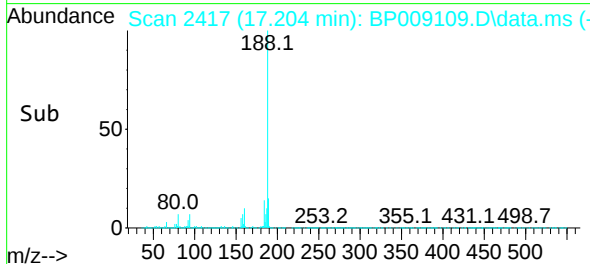
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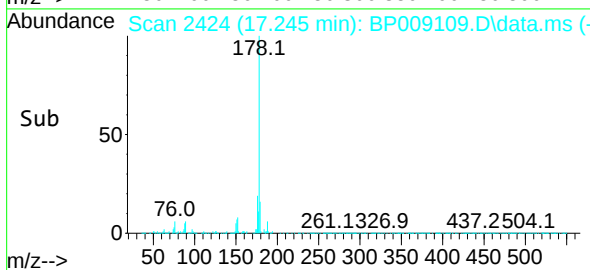
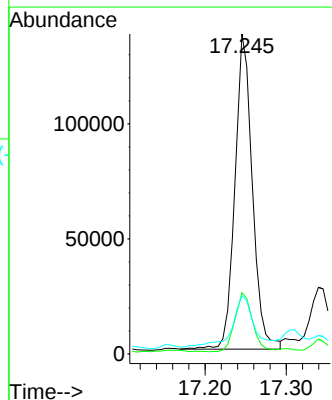
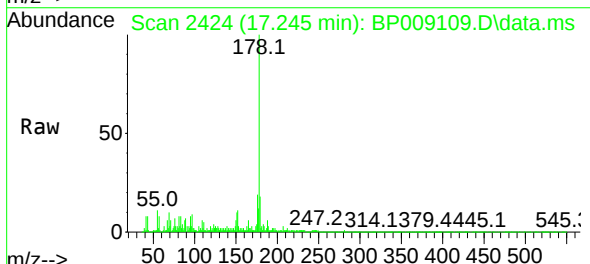
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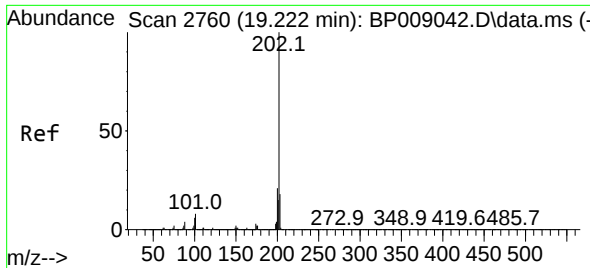
02/11/2022



#71
Phenanthrene
Concen: 3.293 ng
RT: 17.245 min Scan# 2424
Delta R.T. 0.000 min
Lab File: BP009109.D
Acq: 10 Feb 2022 20:37

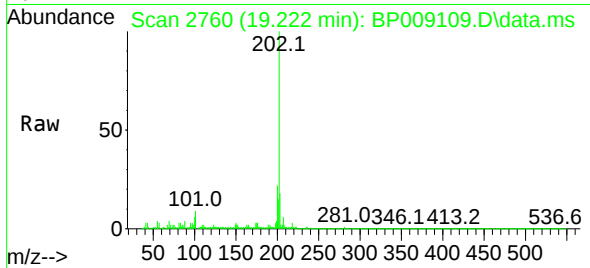
Tgt Ion:178 Resp: 204189
Ion Ratio Lower Upper
178 100
176 19.1 16.0 24.0
179 18.2 13.0 19.4





#75
Fluoranthene
Concen: 7.257 ng
RT: 19.222 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP009109.D
Acq: 10 Feb 2022 20:37

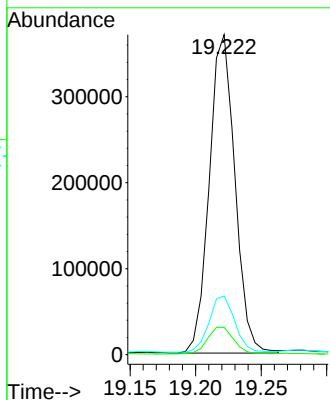
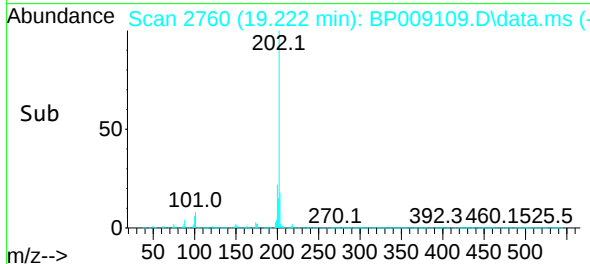
Instrument :
BNA_P
ClientSampleId :
TP-1



Tgt Ion:202 Resp: 504359
Ion Ratio Lower Upper
202 100
101 8.5 0.0 30.7
203 18.4 0.0 38.9

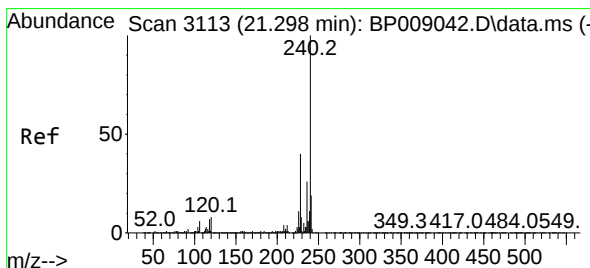
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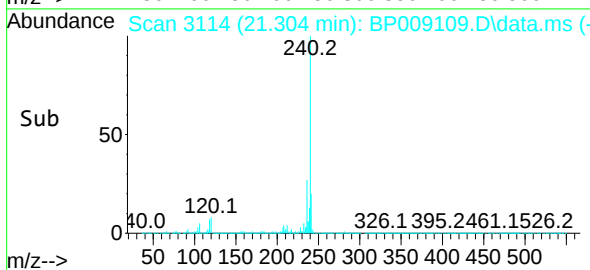
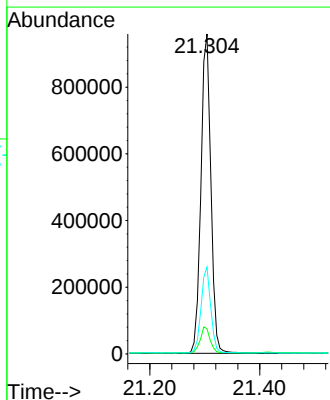
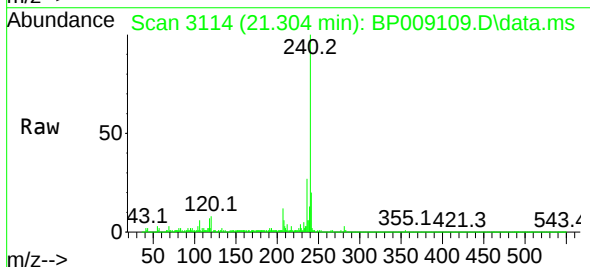
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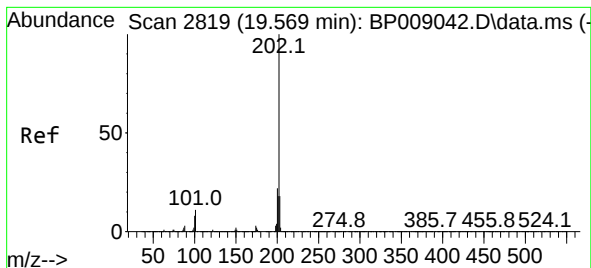
02/11/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.304 min Scan# 3114
Delta R.T. 0.006 min
Lab File: BP009109.D
Acq: 10 Feb 2022 20:37

Tgt Ion:240 Resp: 1202096
Ion Ratio Lower Upper
240 100
120 7.9 7.7 11.5
236 27.2 21.2 31.8





#78

Pyrene

Concen: 5.806 ng

RT: 19.575 min Scan# 2819

Delta R.T. 0.006 min

Lab File: BP009109.D

Acq: 10 Feb 2022 20:37

Instrument :

BNA_P

ClientSampleId :

TP-1

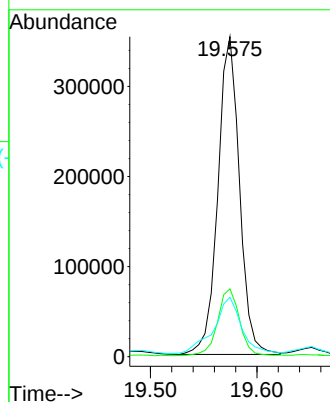
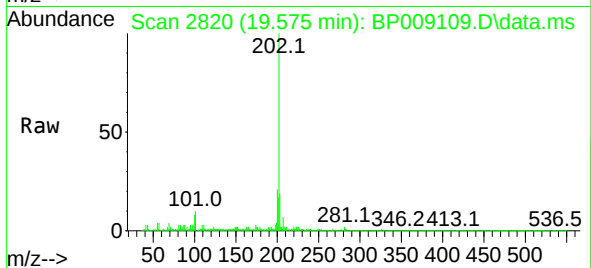
Tgt Ion:202 Resp: 496479
 Ion Ratio Lower Upper
 202 100
 200 21.2 18.0 27.0
 203 18.6 15.0 22.6

Manual Integrations

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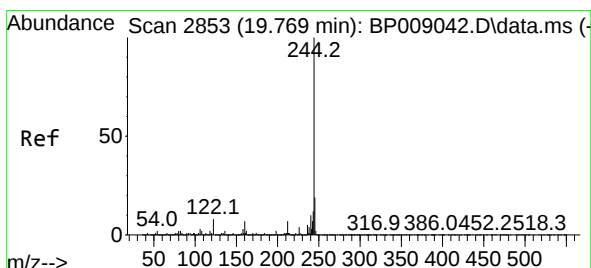
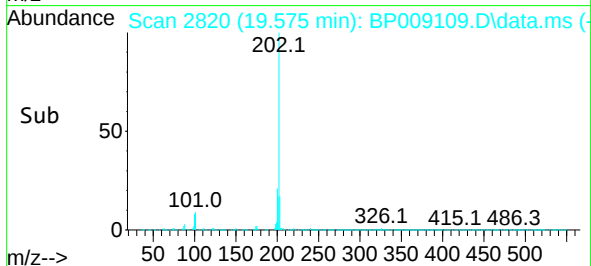
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 Upadhyay

02/11/2022



#79

Terphenyl-d14

Concen: 8.833 ng

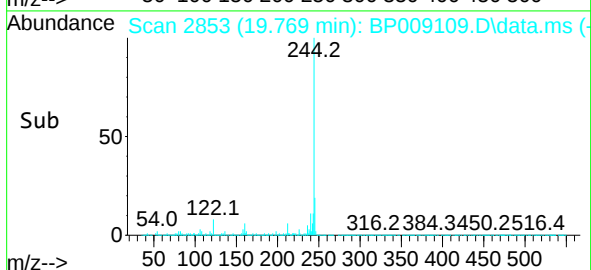
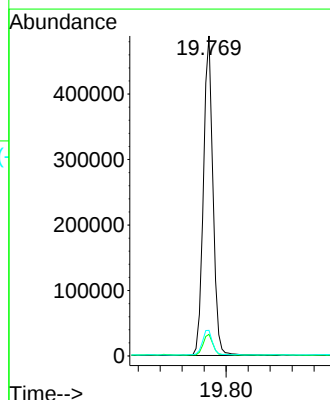
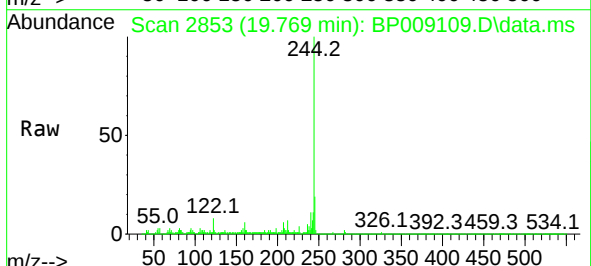
RT: 19.769 min Scan# 2853

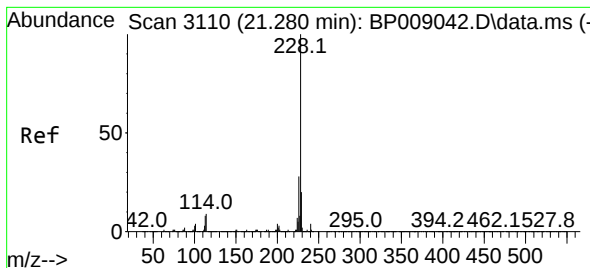
Delta R.T. 0.000 min

Lab File: BP009109.D

Acq: 10 Feb 2022 20:37

Tgt Ion:244 Resp: 590469
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.5 9.7
 122 8.0 9.2 13.8





#81

Benzo(a)anthracene

Concen: 3.388 ng

RT: 21.286 min Scan# 3111

Delta R.T. 0.006 min

Lab File: BP009109.D

Acq: 10 Feb 2022 20:37

Instrument :

BNA_P

ClientSampleId :

TP-1

Tgt Ion:228 Resp: 26246

Ion Ratio Lower Upper

228 100

226 29.0 23.3 34.9

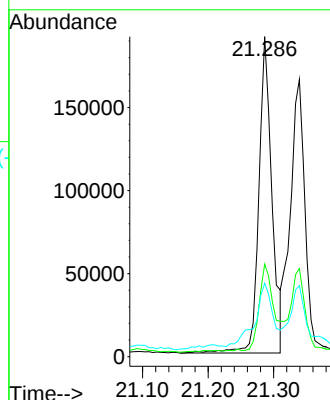
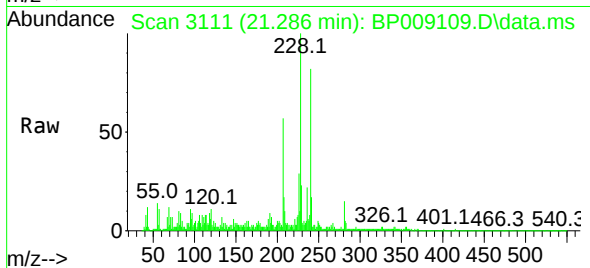
229 23.0 17.0 25.6

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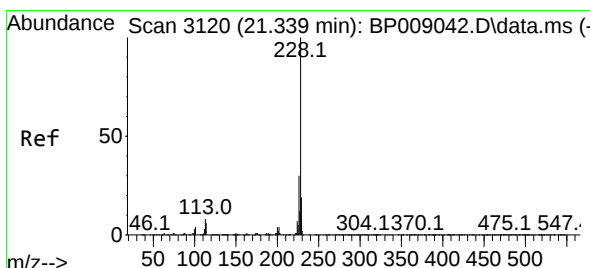
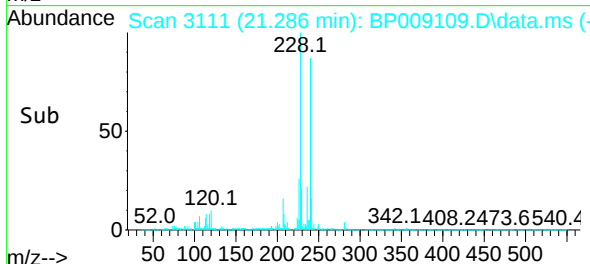
Reviewed By :Christian Giraldo 02/11/2022

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#83

Chrysene

Concen: 3.432 ng m

RT: 21.339 min Scan# 3120

Delta R.T. 0.000 min

Lab File: BP009109.D

Acq: 10 Feb 2022 20:37

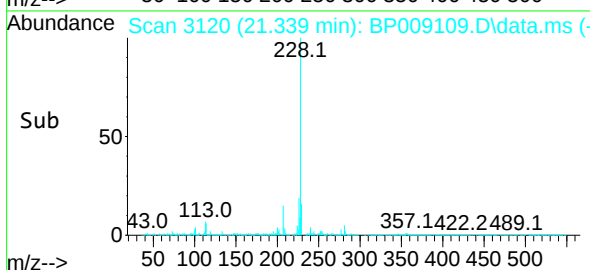
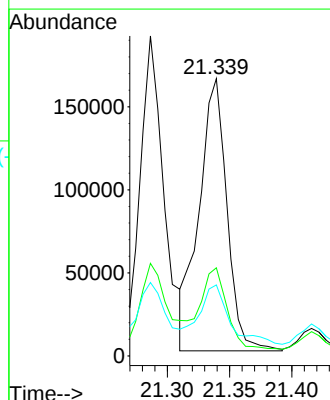
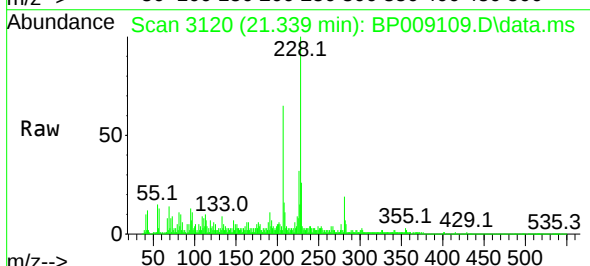
Tgt Ion:228 Resp: 256315

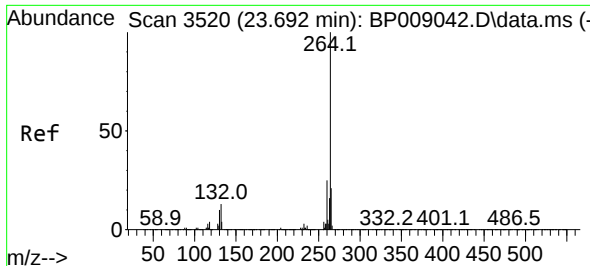
Ion Ratio Lower Upper

228 100

226 31.8 26.0 39.0

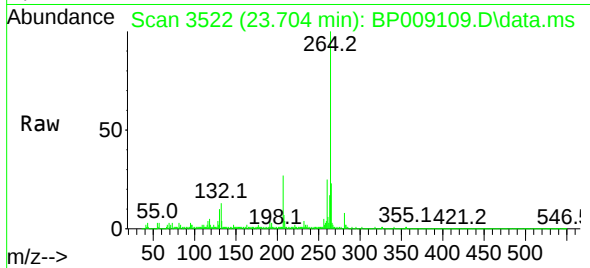
229 25.6 16.9 25.3#





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.704 min Scan# 3520
Delta R.T. 0.012 min
Lab File: BP009109.D
Acq: 10 Feb 2022 20:37

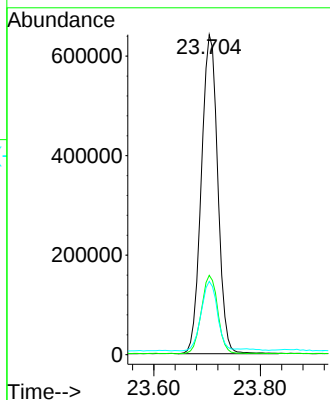
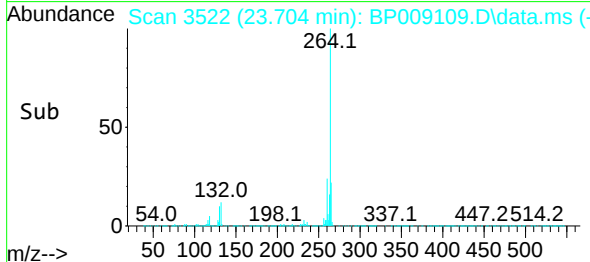
Instrument :
BNA_P
ClientSampleId :
TP-1



Tgt Ion:264 Resp: 136928
Ion Ratio Lower Upper
264 100
260 24.8 19.1 28.7
265 22.9 17.1 25.7

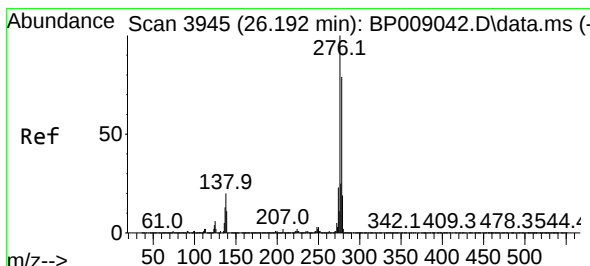
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Supervised By :Jagrut Upadhyay 02/11/2022

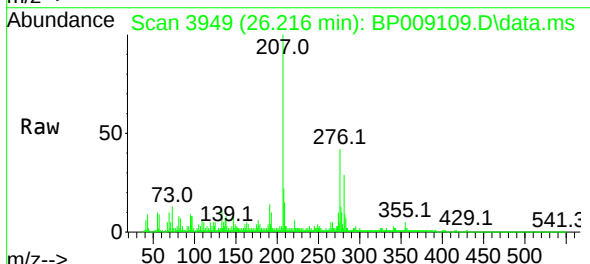


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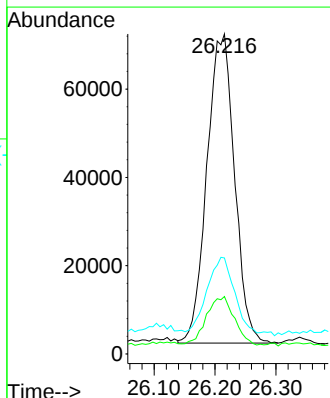
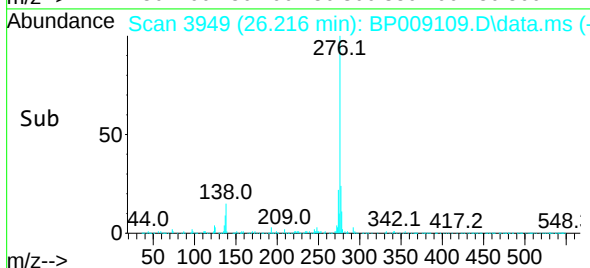
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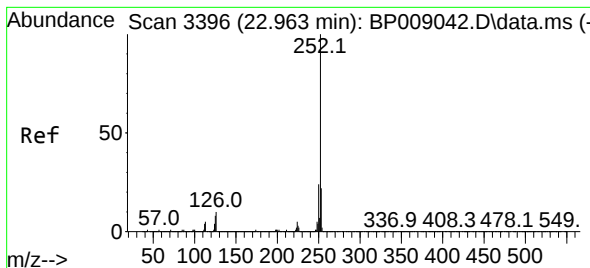


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.172 ng
RT: 26.216 min Scan# 3949
Delta R.T. 0.024 min
Lab File: BP009109.D
Acq: 10 Feb 2022 20:37



Tgt Ion:276 Resp: 220970
Ion Ratio Lower Upper
276 100
138 15.8 17.8 26.6#
277 24.0 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 4.306 ng

RT: 22.975 min Scan# 3398

Delta R.T. 0.012 min

Lab File: BP009109.D

Acq: 10 Feb 2022 20:37

Instrument :

BNA_P

ClientSampleId :

TP-1

Tgt Ion:252 Resp: 362970

Ion Ratio Lower Upper

252 100

253 29.7 18.0 27.0

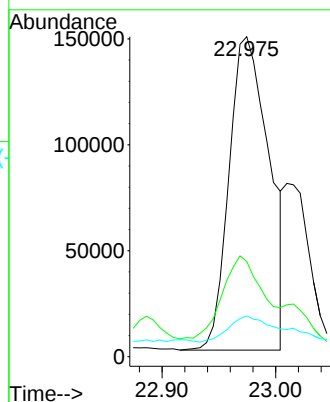
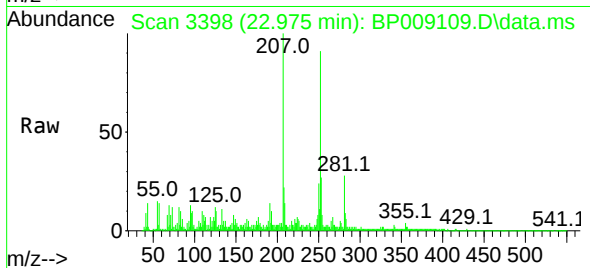
125 12.8 6.9 10.3

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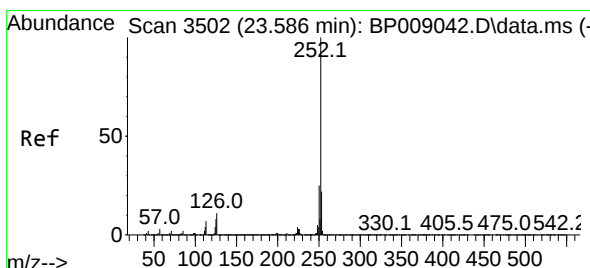
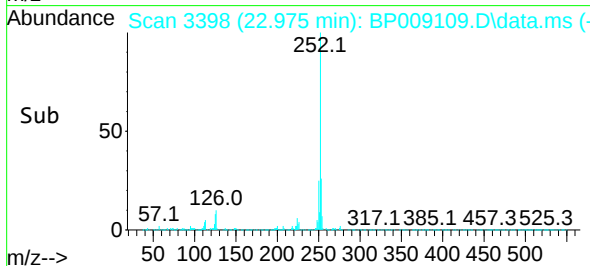
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#90

Benzo(a)pyrene

Concen: 3.688 ng

RT: 23.598 min Scan# 3504

Delta R.T. 0.012 min

Lab File: BP009109.D

Acq: 10 Feb 2022 20:37

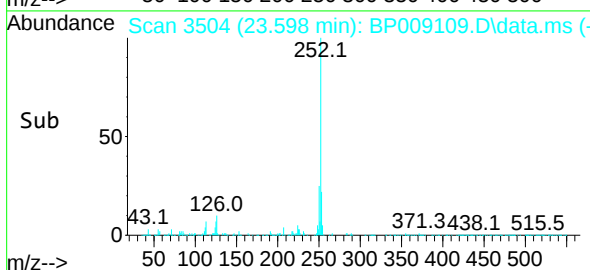
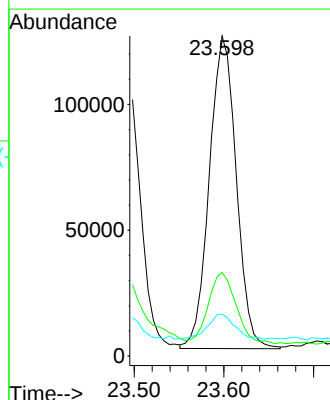
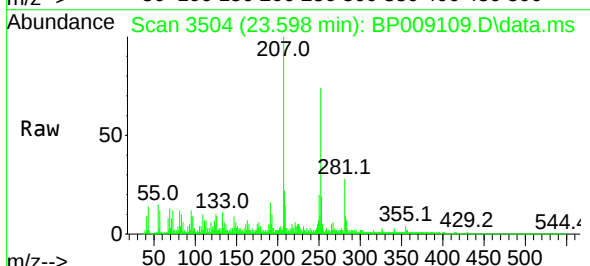
Tgt Ion:252 Resp: 259208

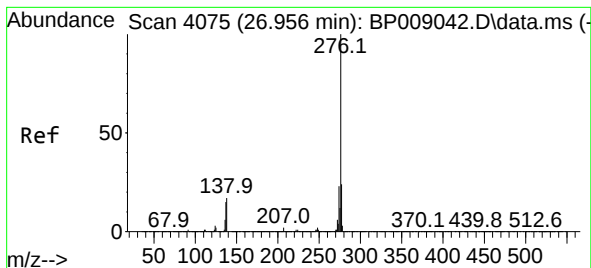
Ion Ratio Lower Upper

252 100

253 26.1 17.8 26.8

125 13.1 7.8 11.6





#92

Benzo(g,h,i)perylene

Concen: 2.879 ng

RT: 26.980 min Scan# 4079

Delta R.T. 0.024 min

Lab File: BP009109.D

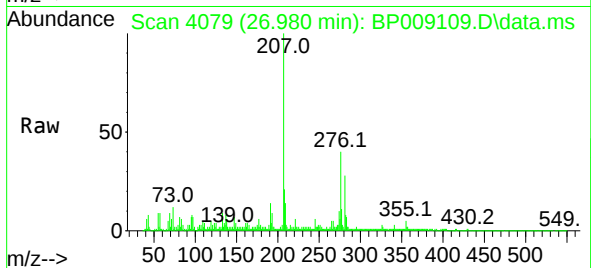
Acq: 10 Feb 2022 20:37

Instrument :

BNA_P

ClientSampleId :

TP-1



Tgt Ion: 276 Resp: 23963

Ion Ratio Lower Upper

276 100

277 28.6 19.2 28.8

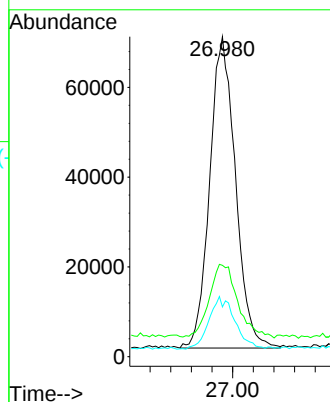
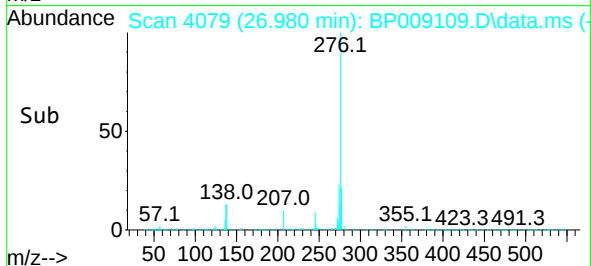
138 15.6 15.0 22.4

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