

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021022\
 Data File : BP009101.D
 Acq On : 10 Feb 2022 16:08
 Operator : CG/JU
 Sample : N1435-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 RO-369

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/15/2022
 Supervised By : Jagrut Upadhyay 02/11/2022

Quant Time: Feb 10 18:00:15 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	216391	20.000	ng	0.00
21) Naphthalene-d8	10.599	136	830976	20.000	ng	0.00
39) Acenaphthene-d10	14.445	164	582381	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	1207347	20.000	ng	0.00
76) Chrysene-d12	21.298	240	1088807	20.000	ng	0.00
86) Perylene-d12	23.698	264	1189584	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.405	112	1431468	118.002	ng	0.01
7) Phenol-d6	6.999	99	1779336	111.317	ng	0.01
23) Nitrobenzene-d5	8.963	82	1094994	74.311	ng	0.00
42) 2,4,6-Tribromophenol	15.945	330	989858	127.299	ng	0.00
45) 2-Fluorobiphenyl	13.063	172	3065514	73.687	ng	0.00
79) Terphenyl-d14	19.769	244	4054118	66.960	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.245	178	584082	8.934	ng	98
72) Anthracene	17.339	178	143265	2.240	ng	99
75) Fluoranthene	19.222	202	963501	13.150	ng	96
78) Pyrene	19.569	202	1025326	13.238	ng	98
81) Benzo(a)anthracene	21.286	228	513471	7.318	ng	99
83) Chrysene	21.339	228	487149	7.202	ng	97
87) Indeno(1,2,3-cd)pyrene	26.204	276	290259	3.284	ng	# 94
88) Benzo(b)fluoranthene	22.968	252	576237m	7.869	ng	
89) Benzo(k)fluoranthene	23.015	252	230682m	3.157	ng	
90) Benzo(a)pyrene	23.592	252	437992	7.174	ng	99
92) Benzo(g,h,i)perylene	26.968	276	291938	4.037	ng	93

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

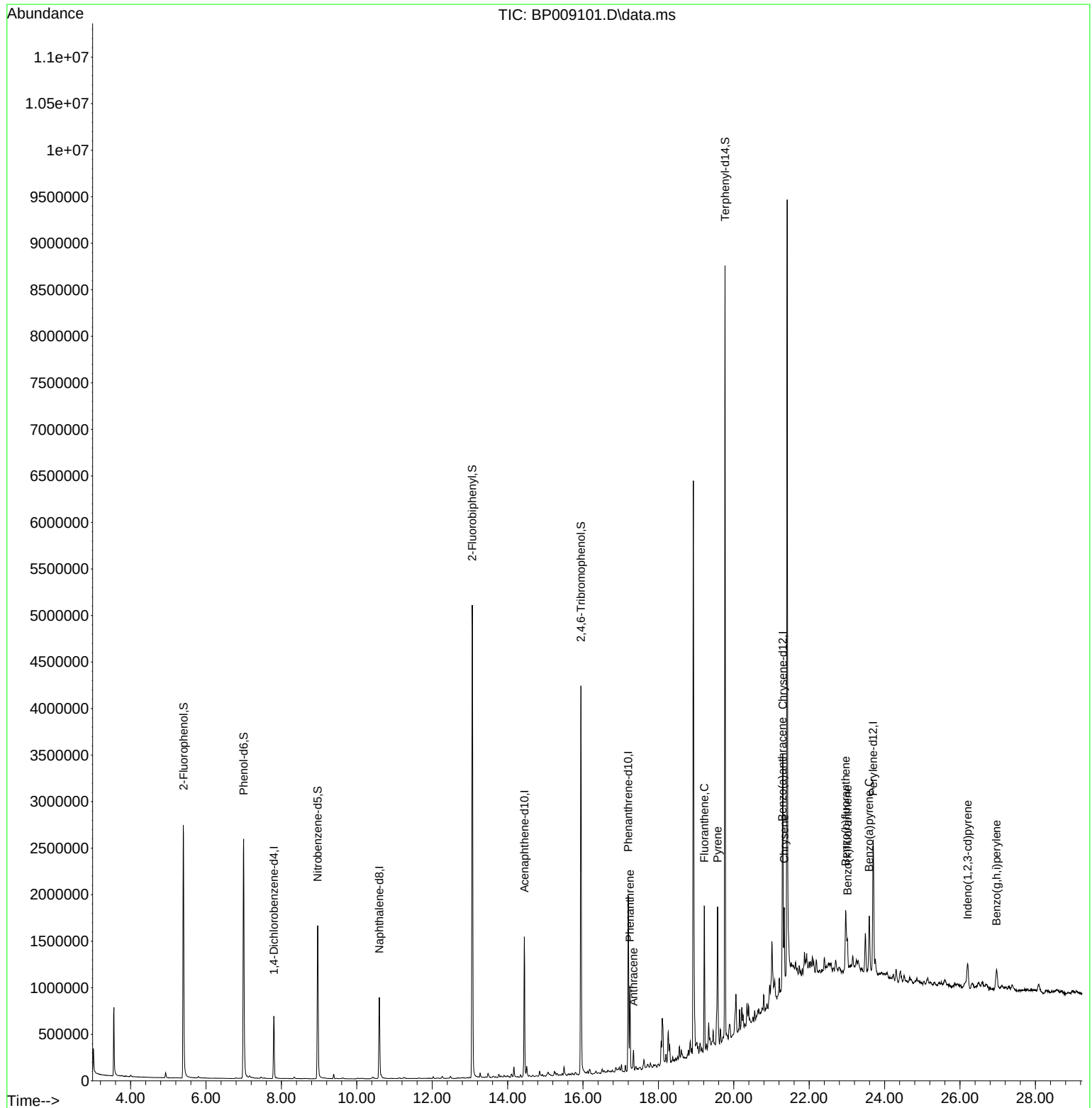
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021022\
Data File : BP009101.D
Acq On : 10 Feb 2022 16:08
Operator : CG/JU
Sample : N1435-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

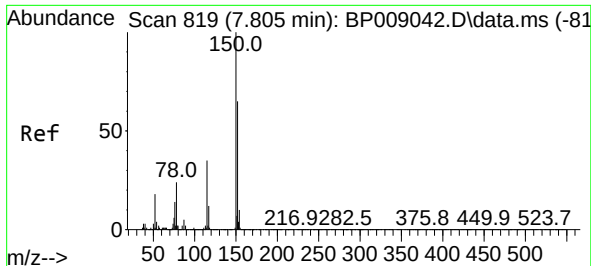
Instrument :
BNA_P
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RO-369

Quant Time: Feb 10 18:00:15 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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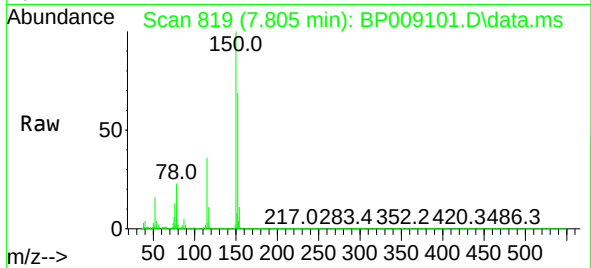
Reviewed By :Christian Giraldo 02/15/2022
Supervised By :Jagrut Upadhyay 02/11/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 819
Delta R.T. -0.000 min
Lab File: BP009101.D
Acq: 10 Feb 2022 16:08

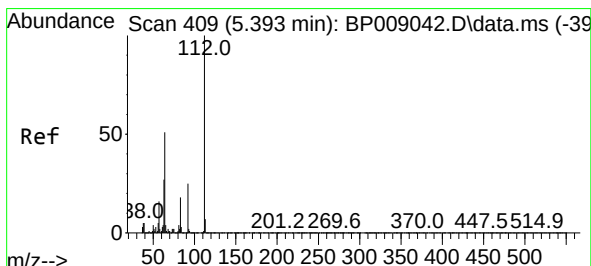
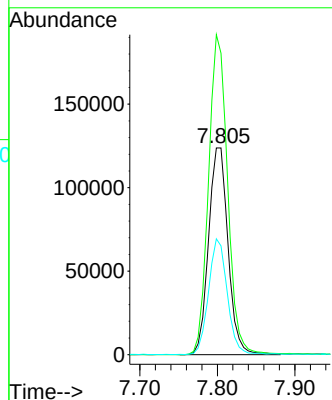
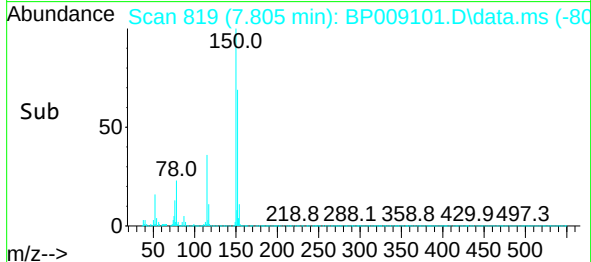
Instrument :
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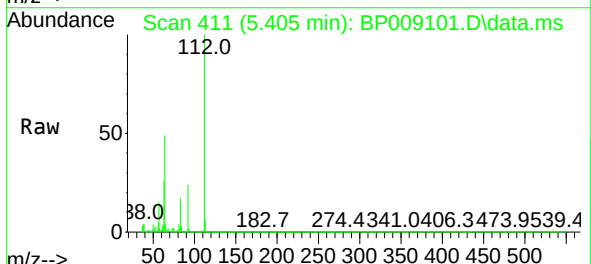
Tgt Ion:152 Resp: 21639
Ion Ratio Lower Upper
152 100
150 145.8 127.0 190.6
115 52.6 43.7 65.5

Manual Integrations
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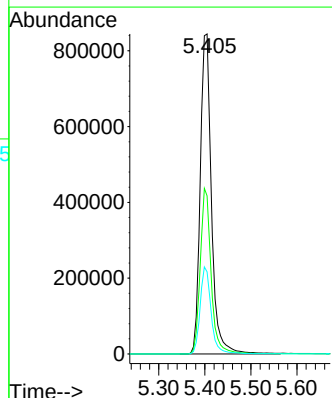
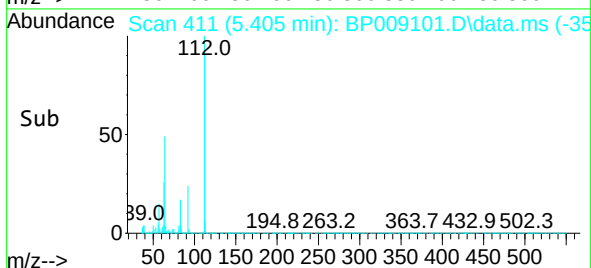
Reviewed By :Christian Giraldo 02/15/2022
Supervised By :Jagrut Upadhyay 02/11/2022

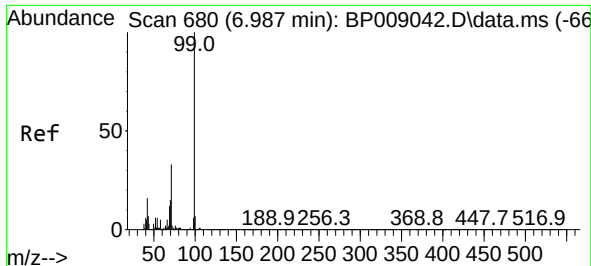


#5
2-Fluorophenol
Concen: 118.002 ng
RT: 5.405 min Scan# 411
Delta R.T. 0.012 min
Lab File: BP009101.D
Acq: 10 Feb 2022 16:08



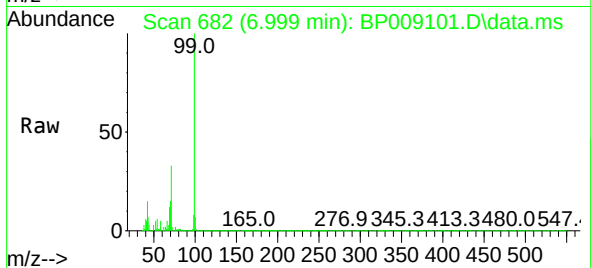
Tgt Ion:112 Resp: 1431468
Ion Ratio Lower Upper
112 100
64 49.4 39.7 59.5
63 25.6 20.0 30.0





#7
Phenol-d6
Concen: 111.317 ng
RT: 6.999 min Scan# 61
Delta R.T. 0.012 min
Lab File: BP009101.D
Acq: 10 Feb 2022 16:08

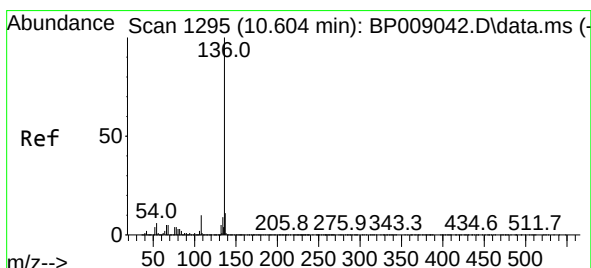
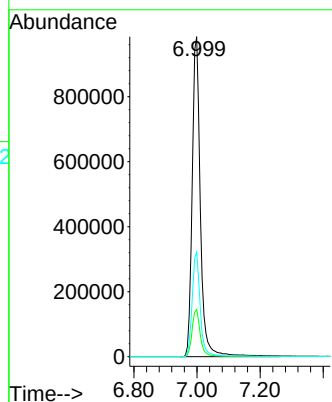
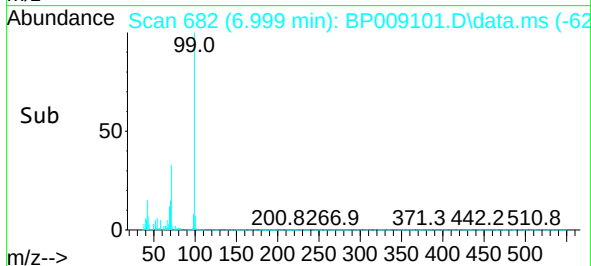
Instrument :
BNA_P
ClientSampleId :
RO-369



Tgt Ion: 99 Resp: 1779330
Ion Ratio Lower Upper
99 100
42 14.7 10.8 16.2
71 32.7 23.8 35.6

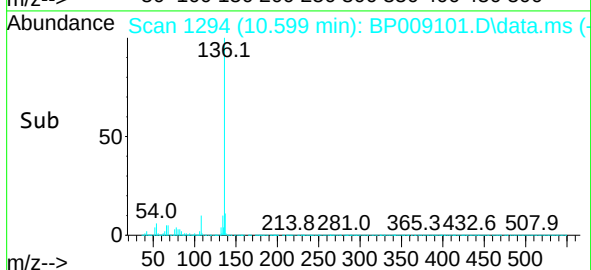
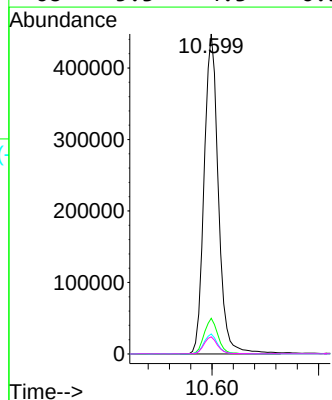
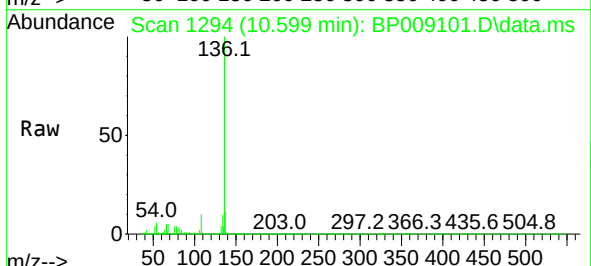
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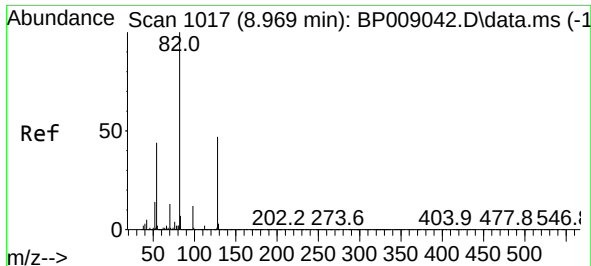
Reviewed By :Christian Giraldo 02/15/2022
Supervised By :Jagrut Upadhyay 02/11/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.599 min Scan# 1294
Delta R.T. -0.005 min
Lab File: BP009101.D
Acq: 10 Feb 2022 16:08

Tgt Ion:136 Resp: 830976
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 6.3 4.9 7.3
68 5.3 4.3 6.5





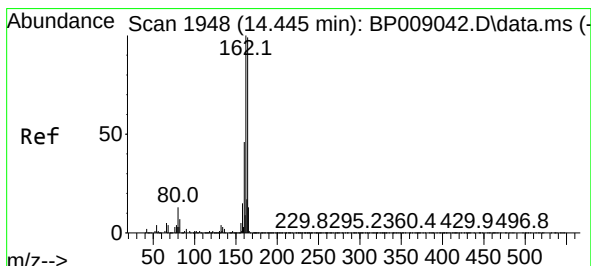
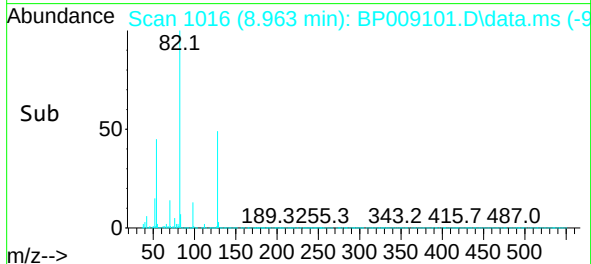
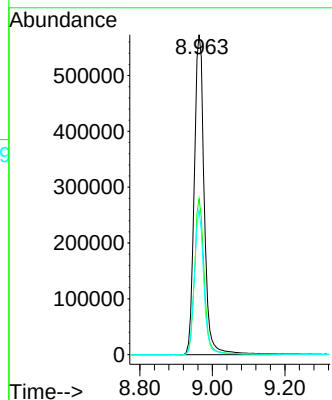
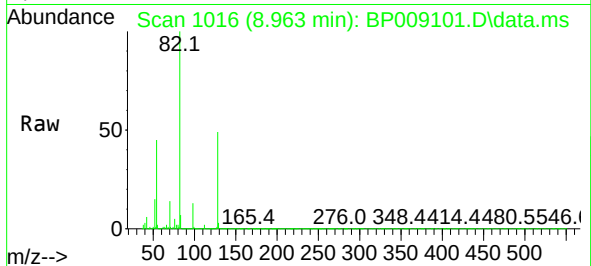
#23
Nitrobenzene-d5
Concen: 74.311 ng
RT: 8.963 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BP009101.D
Acq: 10 Feb 2022 16:08

Instrument :
BNA_P
ClientSampleId :
RO-369

Tgt Ion: 82 Resp: 1094994
Ion Ratio Lower Upper
82 100
128 48.7 39.4 59.2
54 45.1 32.6 48.8

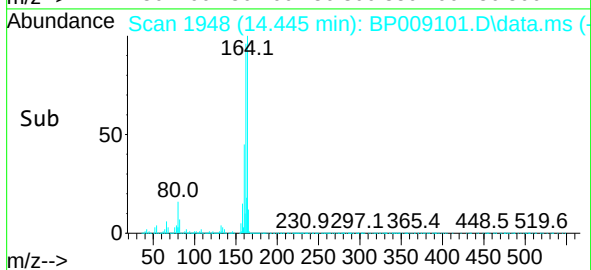
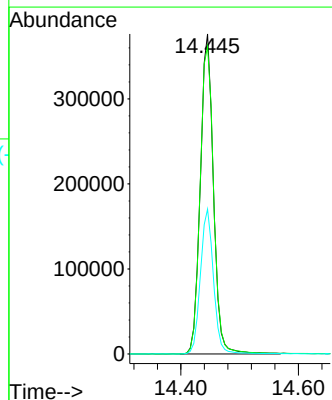
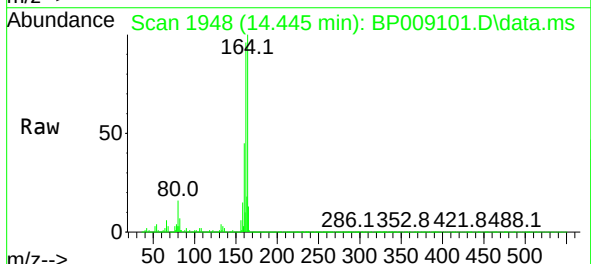
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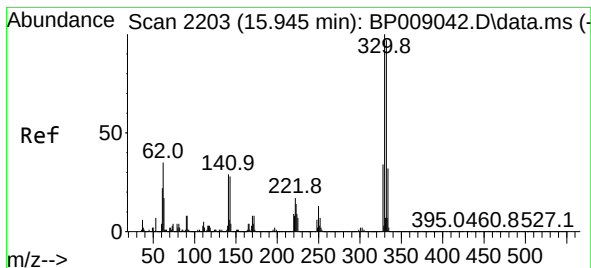
Reviewed By :Christian Giraldo 02/15/2022
Supervised By :Jagrut Upadhyay 02/11/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.445 min Scan# 1948
Delta R.T. 0.000 min
Lab File: BP009101.D
Acq: 10 Feb 2022 16:08

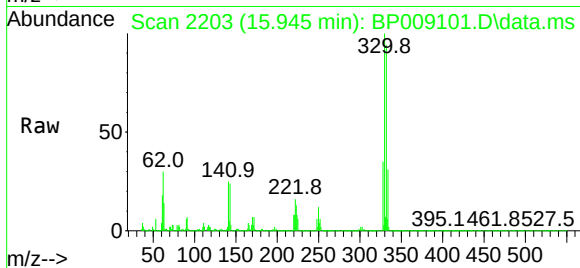
Tgt Ion:164 Resp: 582381
Ion Ratio Lower Upper
164 100
162 96.1 79.9 119.9
160 45.3 35.5 53.3





#42
2,4,6-Tribromophenol
Concen: 127.299 ng
RT: 15.945 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP009101.D
Acq: 10 Feb 2022 16:08

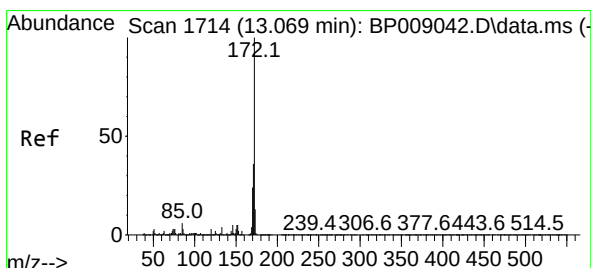
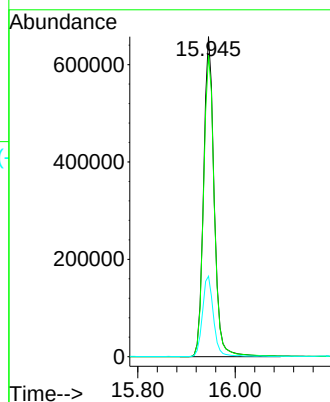
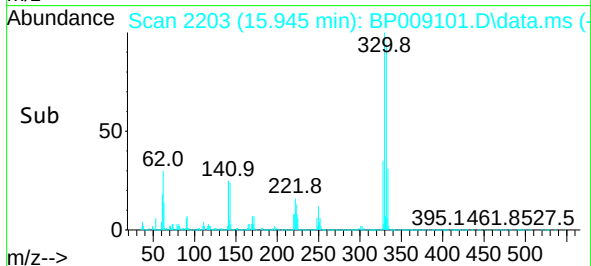
Instrument :
BNA_P
ClientSampleId :
RO-369



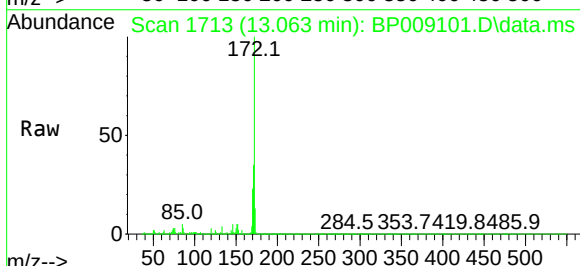
Tgt Ion:330 Resp: 98985
Ion Ratio Lower Upper
330 100
332 96.6 77.0 115.4
141 26.2 21.3 31.9

Manual Integrations
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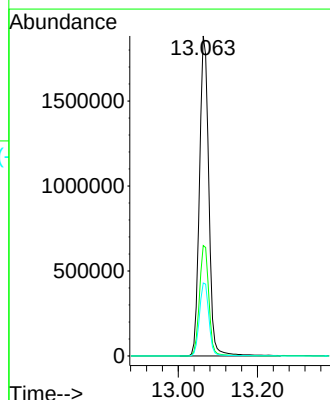
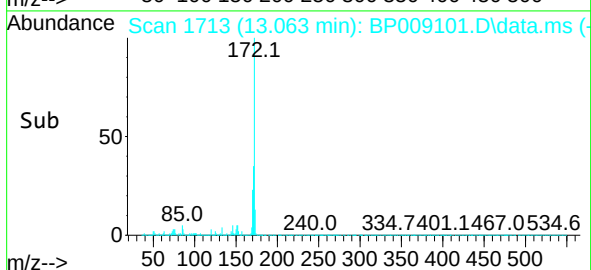
Reviewed By :Christian Giraldo 02/15/2022
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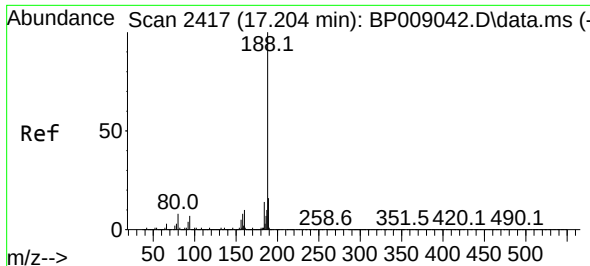


#45
2-Fluorobiphenyl
Concen: 73.687 ng
RT: 13.063 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BP009101.D
Acq: 10 Feb 2022 16:08



Tgt Ion:172 Resp: 3065514
Ion Ratio Lower Upper
172 100
171 34.5 29.3 43.9
170 22.8 19.5 29.3





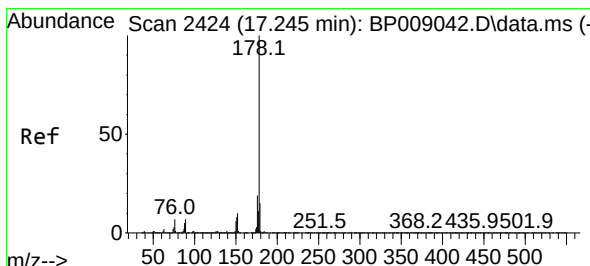
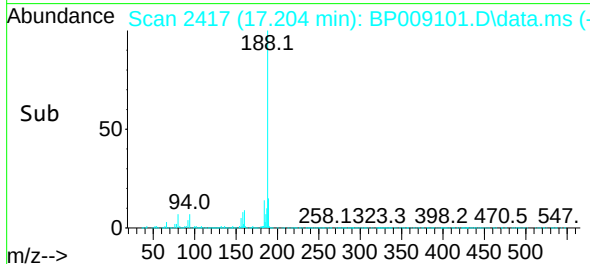
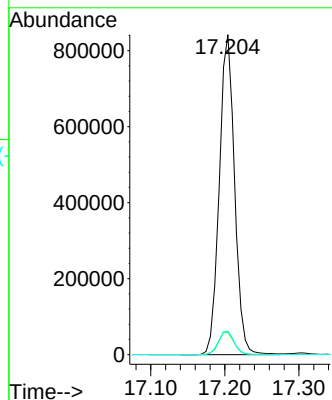
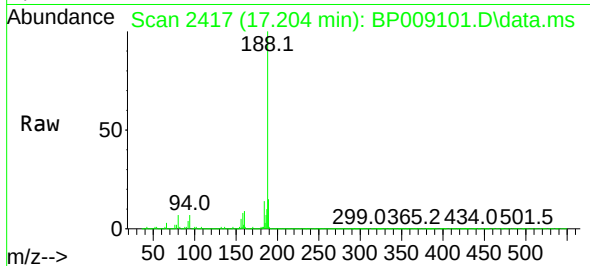
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2417
Delta R.T. -0.000 min
Lab File: BP009101.D
Acq: 10 Feb 2022 16:08

Instrument :
BNA_P
ClientSampleId :
RO-369

Tgt Ion:188 Resp: 120734
Ion Ratio Lower Upper
188 100
94 7.0 6.8 10.2
80 7.3 7.2 10.8

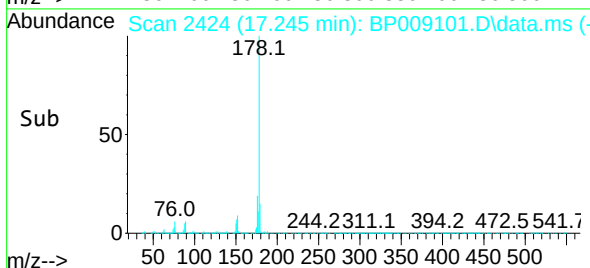
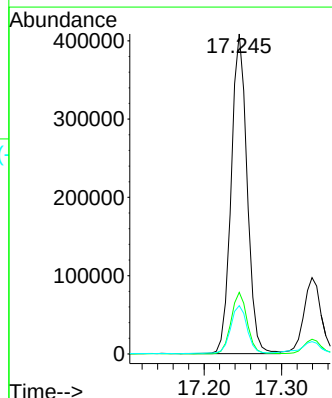
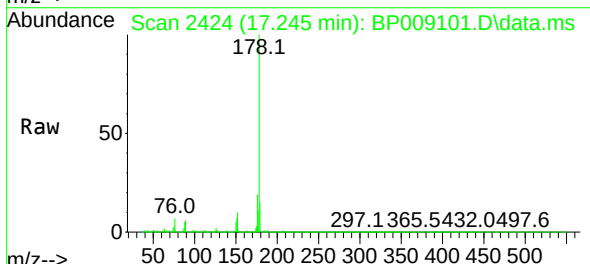
Manual Integrations
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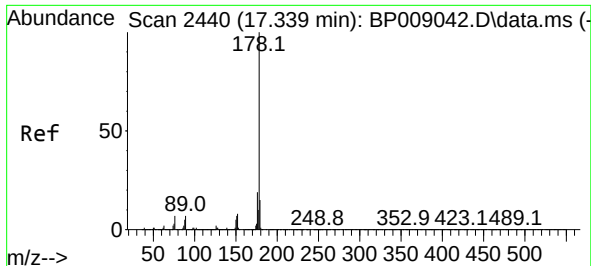
Reviewed By :Christian Giraldo 02/15/2022
Supervised By :Jagrut Upadhyay 02/11/2022



#71
Phenanthrene
Concen: 8.934 ng
RT: 17.245 min Scan# 2424
Delta R.T. -0.000 min
Lab File: BP009101.D
Acq: 10 Feb 2022 16:08

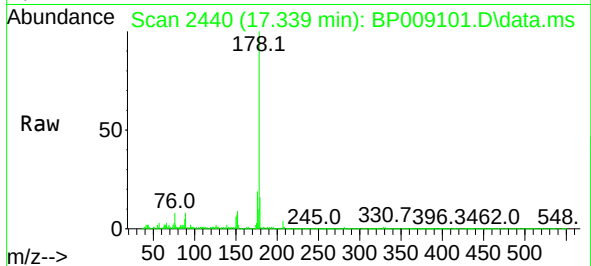
Tgt Ion:178 Resp: 584082
Ion Ratio Lower Upper
178 100
176 19.3 16.0 24.0
179 15.1 13.0 19.4





#72
 Anthracene
 Concen: 2.240 ng
 RT: 17.339 min Scan# 2440
 Delta R.T. 0.000 min
 Lab File: BP009101.D
 Acq: 10 Feb 2022 16:08

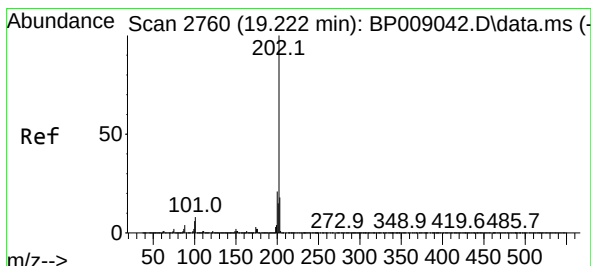
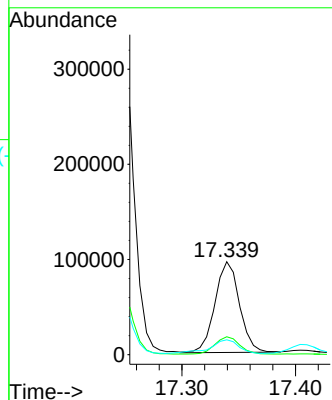
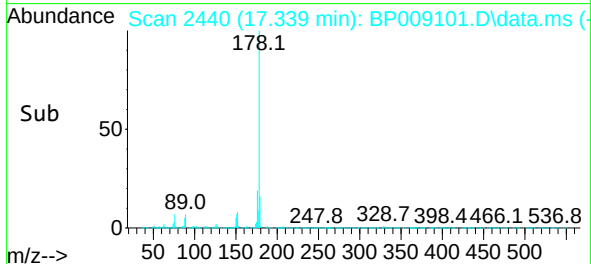
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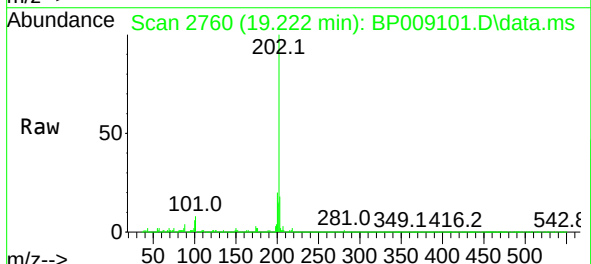
Tgt Ion:178 Resp: 143265
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.1 22.7
 179 16.1 12.8 19.2

Manual Integrations
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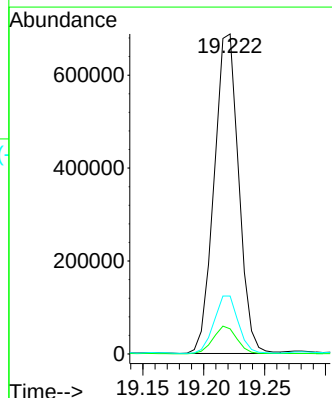
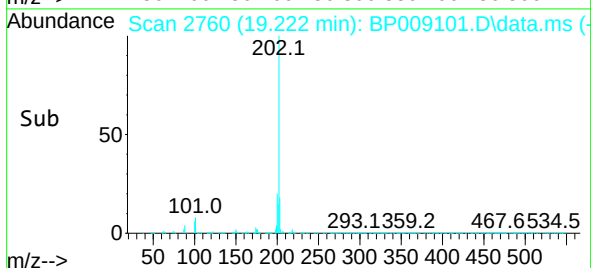
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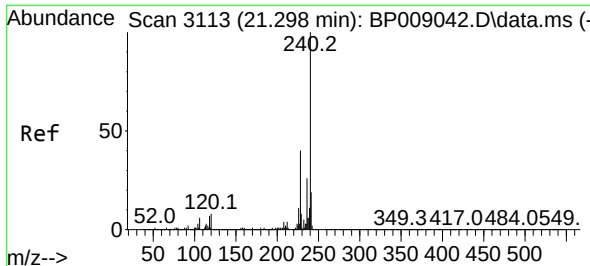


#75
 Fluoranthene
 Concen: 13.150 ng
 RT: 19.222 min Scan# 2760
 Delta R.T. -0.000 min
 Lab File: BP009101.D
 Acq: 10 Feb 2022 16:08



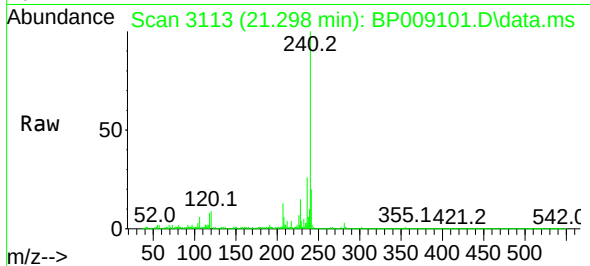
Tgt Ion:202 Resp: 963501
 Ion Ratio Lower Upper
 202 100
 101 7.9 0.0 30.7
 203 18.1 0.0 38.9





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.298 min Scan# 3113
Delta R.T. 0.000 min
Lab File: BP009101.D
Acq: 10 Feb 2022 16:08

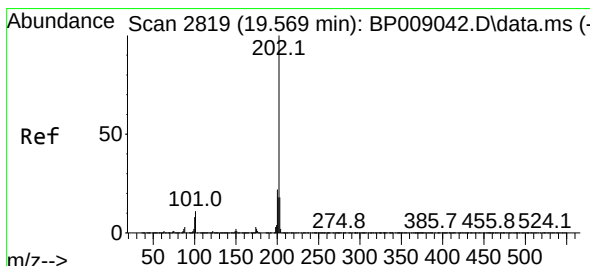
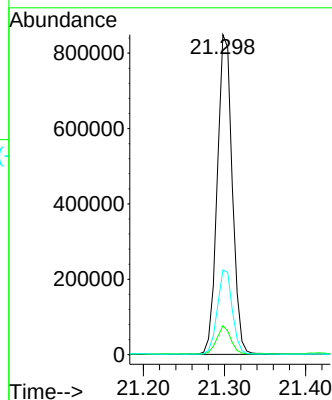
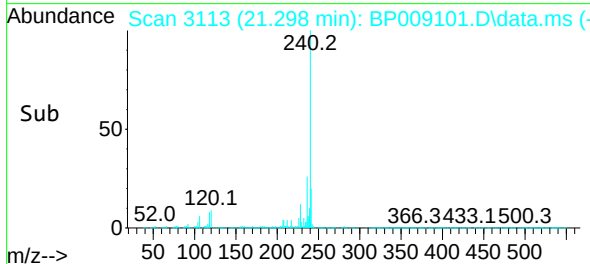
Instrument :
BNA_P
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RO-369



Tgt Ion:240 Resp: 108880
Ion Ratio Lower Upper
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236 26.5 21.2 31.8

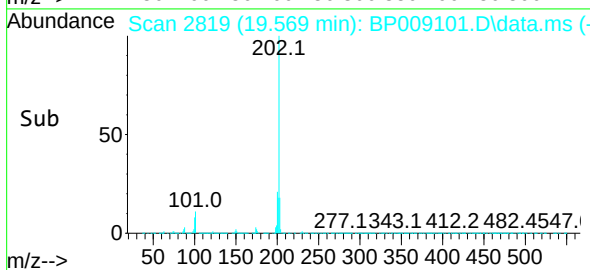
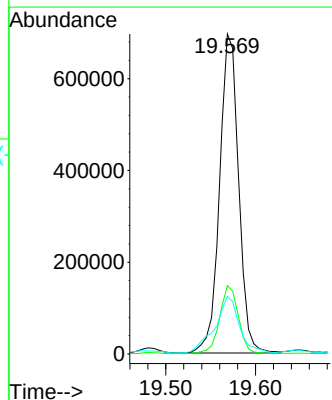
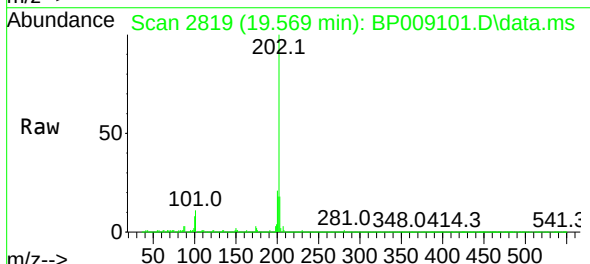
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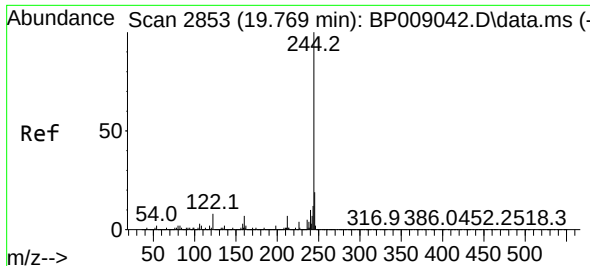
Reviewed By :Christian Giraldo 02/15/2022
Supervised By :Jagrut Upadhyay 02/11/2022



#78
Pyrene
Concen: 13.238 ng
RT: 19.569 min Scan# 2819
Delta R.T. -0.000 min
Lab File: BP009101.D
Acq: 10 Feb 2022 16:08

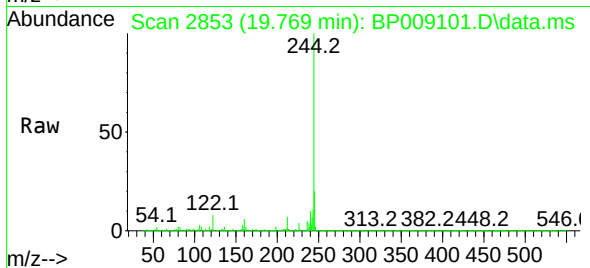
Tgt Ion:202 Resp: 1025326
Ion Ratio Lower Upper
202 100
200 21.3 18.0 27.0
203 18.0 15.0 22.6





#79
 Terphenyl-d14
 Concen: 66.960 ng
 RT: 19.769 min Scan# 2853
 Delta R.T. 0.000 min
 Lab File: BP009101.D
 Acq: 10 Feb 2022 16:08

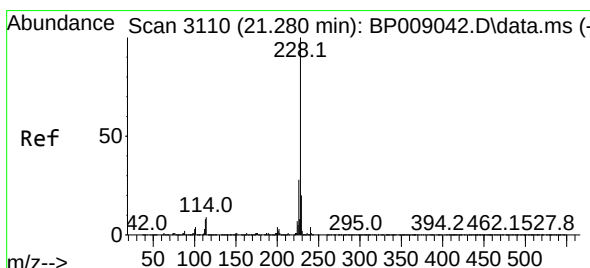
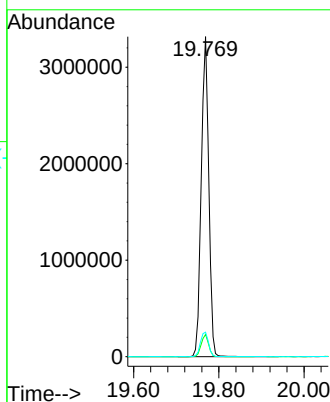
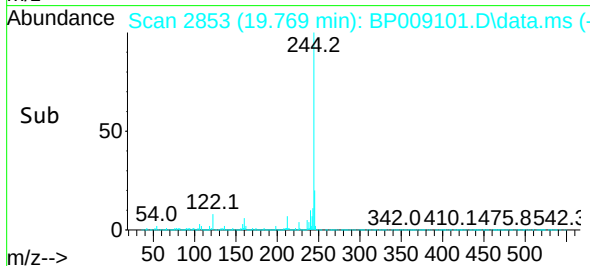
Instrument :
 BNA_P
 ClientSampleId :
 RO-369



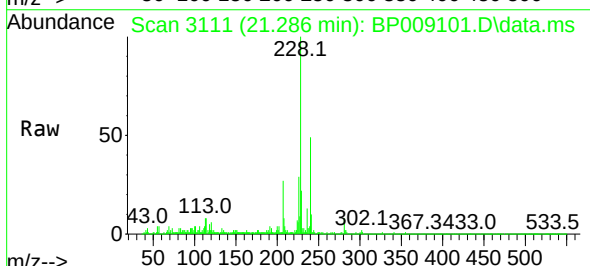
Tgt Ion:244 Resp: 4054118
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.5 9.7
 122 7.6 9.2 13.8

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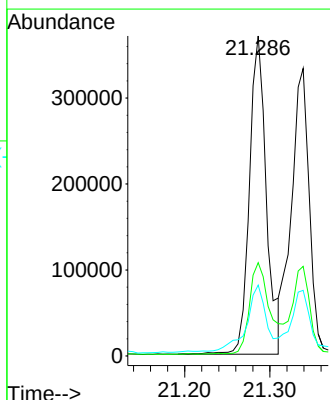
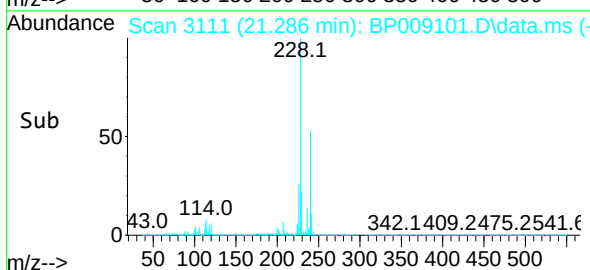
Reviewed By :Christian Giraldo 02/15/2022
 Supervised By :Jagrut Upadhyay 02/11/2022

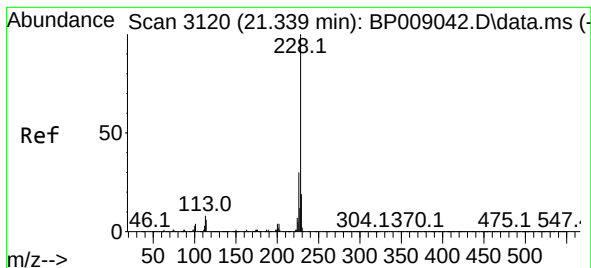


#81
 Benzo(a)anthracene
 Concen: 7.318 ng
 RT: 21.286 min Scan# 3111
 Delta R.T. 0.006 min
 Lab File: BP009101.D
 Acq: 10 Feb 2022 16:08



Tgt Ion:228 Resp: 513471
 Ion Ratio Lower Upper
 228 100
 226 29.1 23.3 34.9
 229 22.2 17.0 25.6





#83

Chrysene

Concen: 7.202 ng

RT: 21.339 min Scan# 3120

Delta R.T. -0.000 min

Lab File: BP009101.D

Acq: 10 Feb 2022 16:08

Instrument :

BNA_P

ClientSampleId :

RO-369

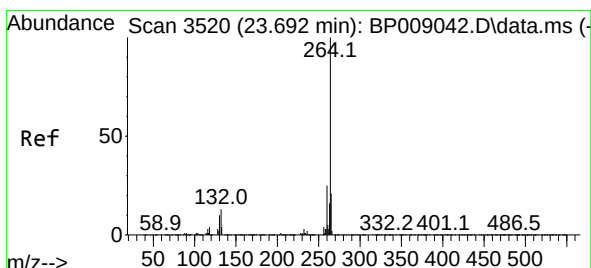
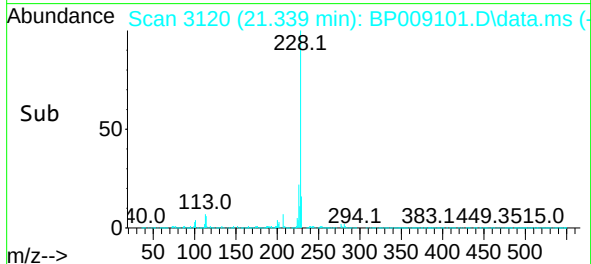
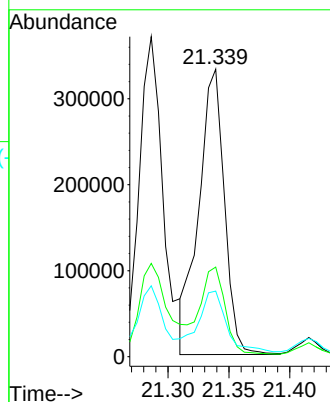
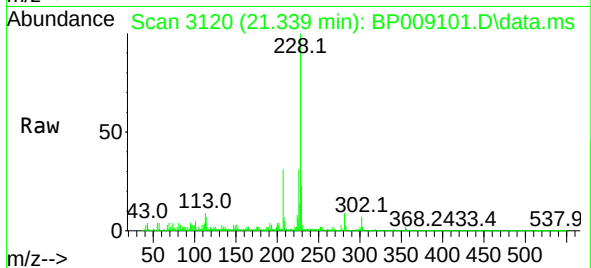
Tgt Ion:228 Resp: 487149

Ion	Ratio	Lower	Upper
228	100		
226	31.1	26.0	39.0
229	22.8	16.9	25.3

Manual Integrations

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Reviewed By :Christian Giraldo 02/15/2022
Supervised By :Jagrut Upadhyay 02/11/2022



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.698 min Scan# 3521

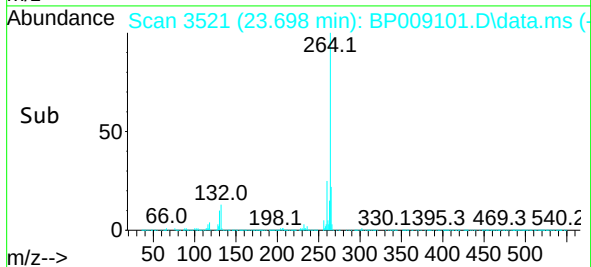
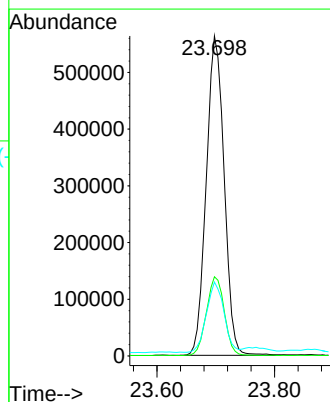
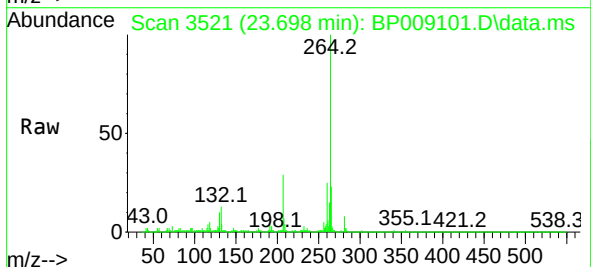
Delta R.T. 0.006 min

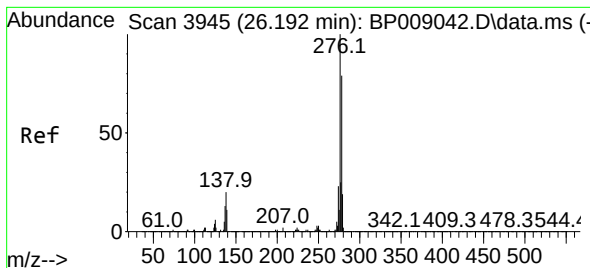
Lab File: BP009101.D

Acq: 10 Feb 2022 16:08

Tgt Ion:264 Resp: 1189584

Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.1	28.7
265	23.1	17.1	25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.284 ng

RT: 26.204 min Scan# 3947

Delta R.T. 0.012 min

Lab File: BP009101.D

Acq: 10 Feb 2022 16:08

Instrument :

BNA_P

ClientSampleId :

RO-369

Tgt Ion:276 Resp: 290259

Ion Ratio Lower Upper

276 100

138 15.9 17.8 26.6

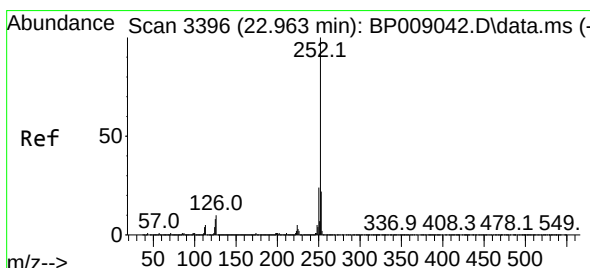
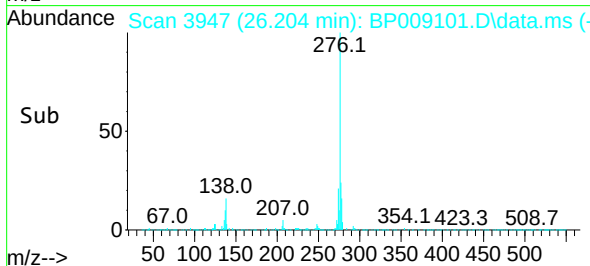
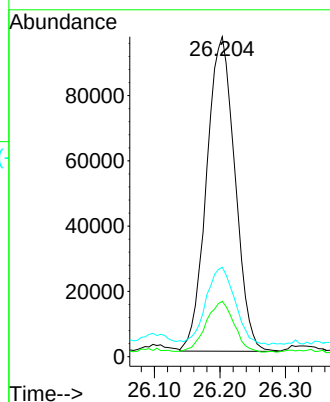
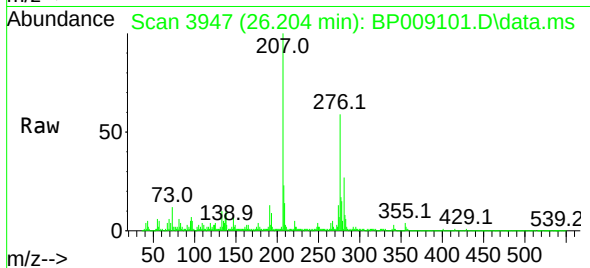
277 25.3 20.4 30.6

Manual Integrations

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Reviewed By :Christian Giraldo 02/15/2022

Supervised By :Jagrut Upadhyay 02/11/2022



#88

Benzo(b)fluoranthene

Concen: 7.869 ng m

RT: 22.968 min Scan# 3397

Delta R.T. 0.006 min

Lab File: BP009101.D

Acq: 10 Feb 2022 16:08

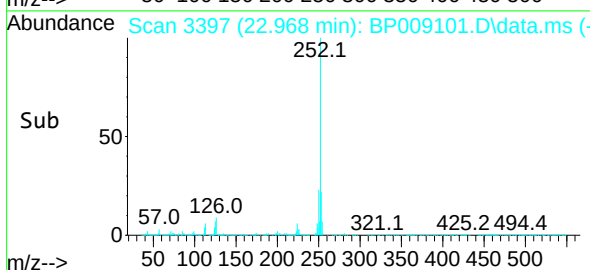
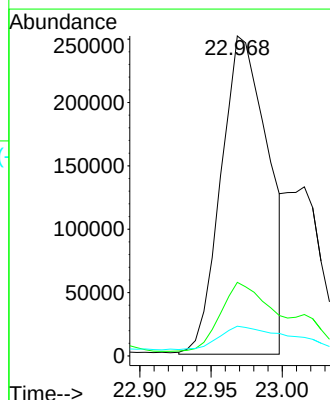
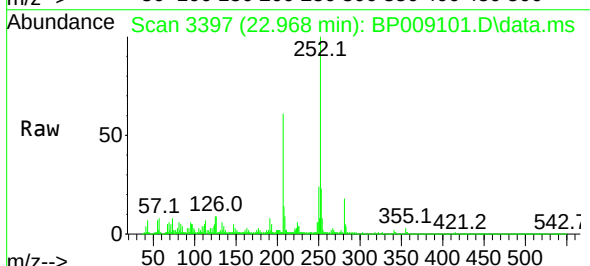
Tgt Ion:252 Resp: 576237

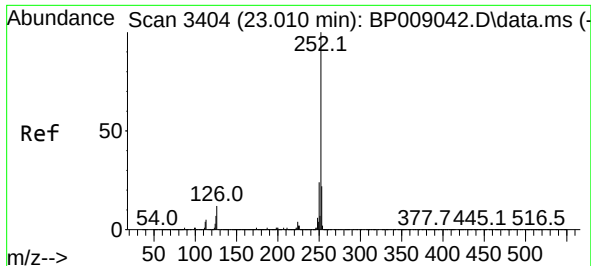
Ion Ratio Lower Upper

252 100

253 23.0 18.0 27.0

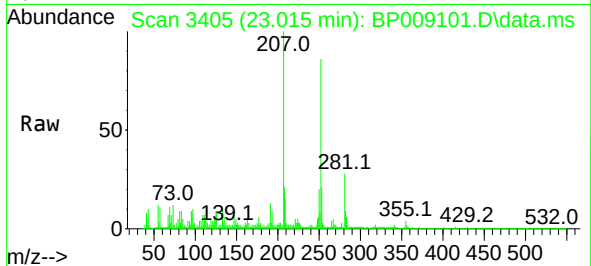
125 9.3 6.9 10.3





#89
Benzo(k)fluoranthene
Concen: 3.157 ng m
RT: 23.015 min Scan# 3404
Delta R.T. 0.006 min
Lab File: BP009101.D
Acq: 10 Feb 2022 16:08

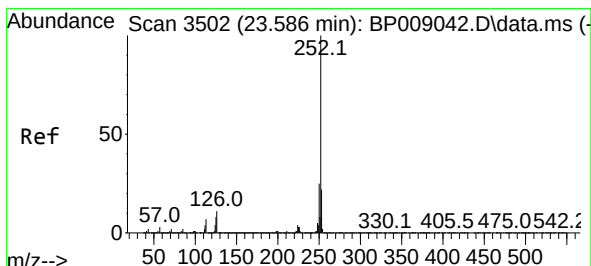
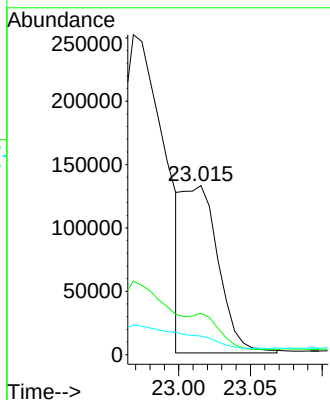
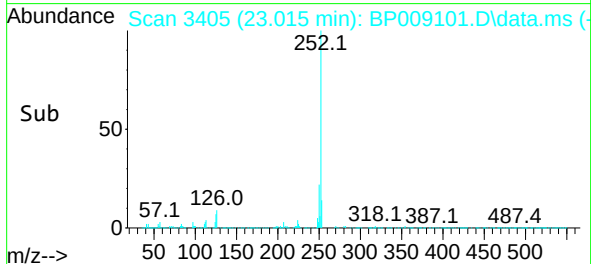
Instrument :
BNA_P
ClientSampleId :
RO-369



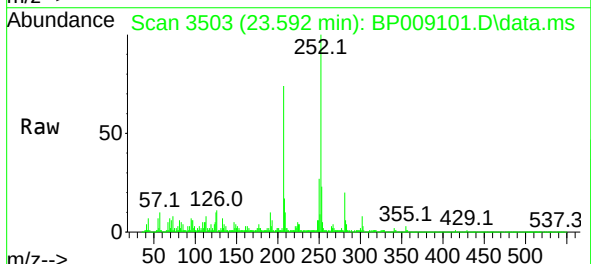
Tgt Ion:252 Resp: 230682
Ion Ratio Lower Upper
252 100
253 24.5 18.2 27.2
125 11.0 7.3 10.9

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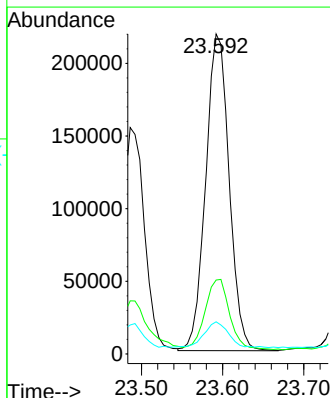
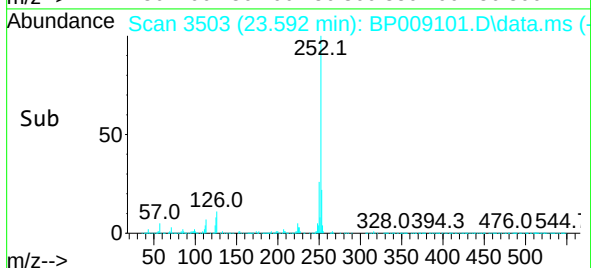
Reviewed By :Christian Giraldo 02/15/2022
Supervised By :Jagrut Upadhyay 02/11/2022

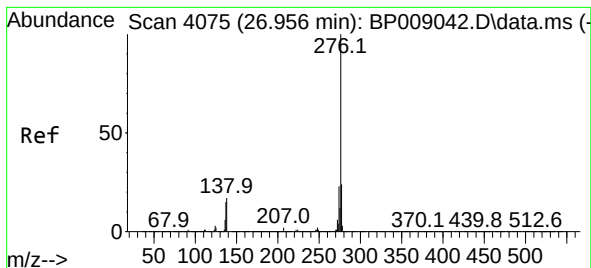


#90
Benzo(a)pyrene
Concen: 7.174 ng
RT: 23.592 min Scan# 3503
Delta R.T. 0.006 min
Lab File: BP009101.D
Acq: 10 Feb 2022 16:08



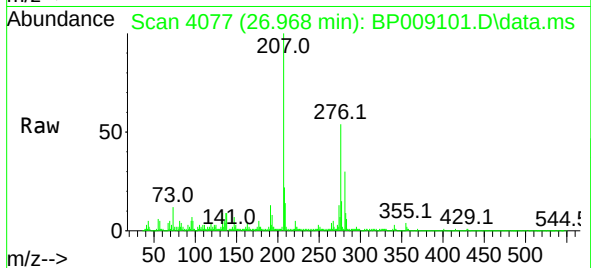
Tgt Ion:252 Resp: 437992
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 10.0 7.8 11.6





#92
Benzo(g,h,i)perylene
Concen: 4.037 ng
RT: 26.968 min Scan# 4077
Delta R.T. 0.012 min
Lab File: BP009101.D
Acq: 10 Feb 2022 16:08

Instrument :
BNA_P
ClientSampleId :
RO-369



Tgt Ion: 276 Resp: 291938
Ion Ratio Lower Upper
276 100
277 27.5 19.2 28.8
138 16.0 15.0 22.4

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 02/15/2022
Supervised By : Jagrut Upadhyay 02/11/2022

