

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060424\
 Data File : BP020502.D
 Acq On : 04 Jun 2024 18:57
 Operator : MA/JU
 Sample : P2680-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 RBR2520258

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/05/2024
 Supervised By :mohammad ahmed 06/06/2024

Quant Time: Jun 05 01:23:37 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 30 03:41:03 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.757	152	257015	20.000	ng	-0.01
21) Naphthalene-d8	10.528	136	1032308	20.000	ng	0.00
39) Acenaphthene-d10	14.387	164	662837	20.000	ng	0.00
64) Phenanthrene-d10	17.192	188	1424933	20.000	ng	-0.01
76) Chrysene-d12	21.645	240	1345521	20.000	ng	-0.02
86) Perylene-d12	24.998	264	1545322	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	1130513	78.755	ng	0.00
7) Phenol-d6	6.928	99	1521650	75.166	ng	0.00
23) Nitrobenzene-d5	8.904	82	917628	48.659	ng	-0.02
42) 2,4,6-Tribromophenol	15.898	330	488965	71.081	ng	-0.01
45) 2-Fluorobiphenyl	12.993	172	2073580	46.635	ng	-0.01
79) Terphenyl-d14	19.933	244	3403564	42.110	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.233	178	226215	3.230	ng	97
75) Fluoranthene	19.322	202	732116	8.835	ng	99
78) Pyrene	19.698	202	762841	7.537	ng	99
81) Benzo(a)anthracene	21.621	228	758373	8.560	ng	98
83) Chrysene	21.692	228	1117729	13.389	ng	98
87) Indeno(1,2,3-cd)pyrene	28.798	276	651016	6.928	ng	# 84
88) Benzo(b)fluoranthene	23.933	252	1905412	19.792	ng	99
89) Benzo(k)fluoranthene	24.004	252	601652m	6.408	ng	
90) Benzo(a)pyrene	24.833	252	865875	10.860	ng	99
91) Dibenzo(a,h)anthracene	28.862	278	193545	2.469	ng	97
92) Benzo(g,h,i)perylene	29.939	276	582316	7.433	ng	98

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

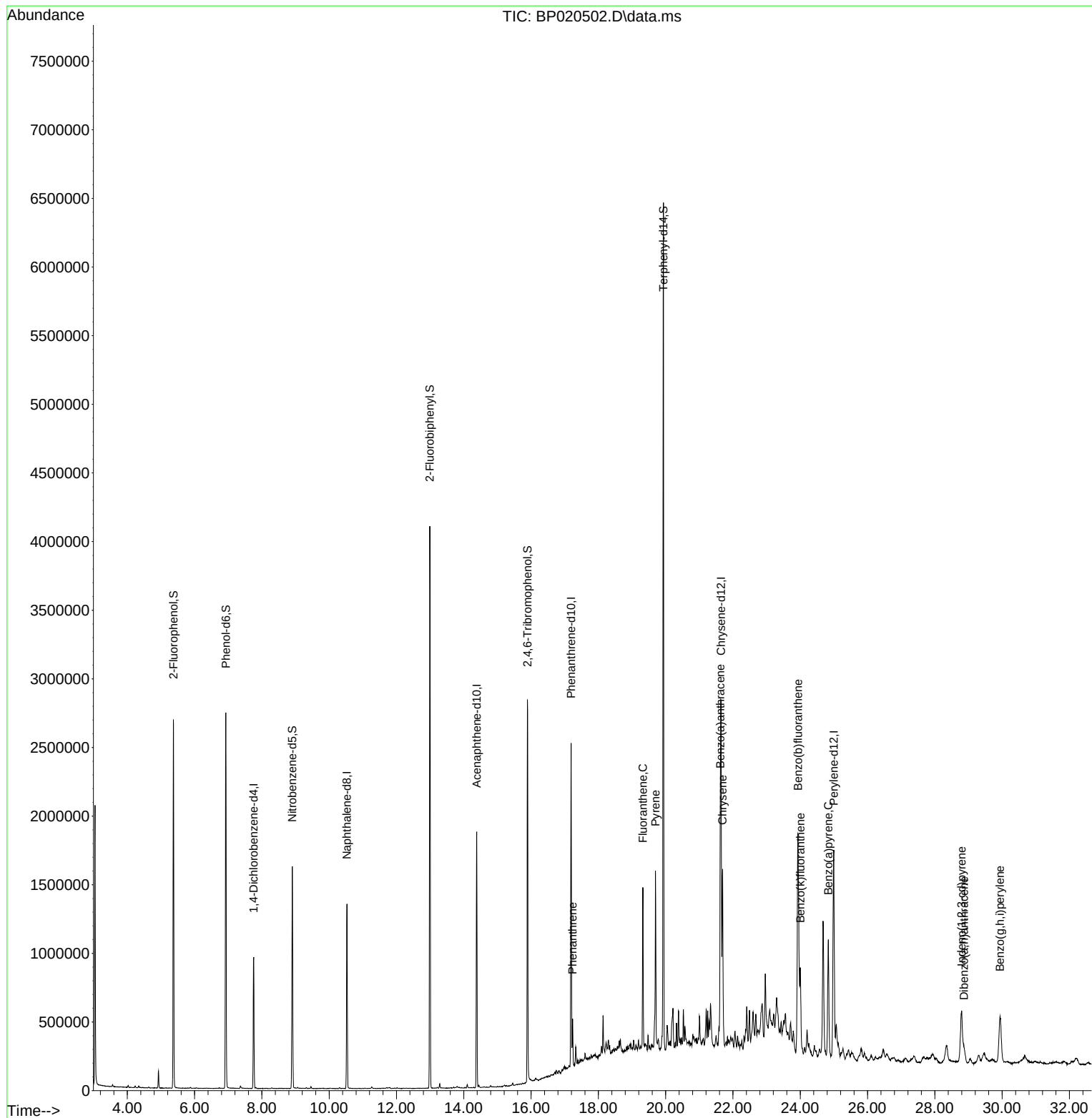
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060424\
Data File : BP020502.D
Acq On : 04 Jun 2024 18:57
Operator : MA/JU
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ALS Vial : 10 Sample Multiplier: 1

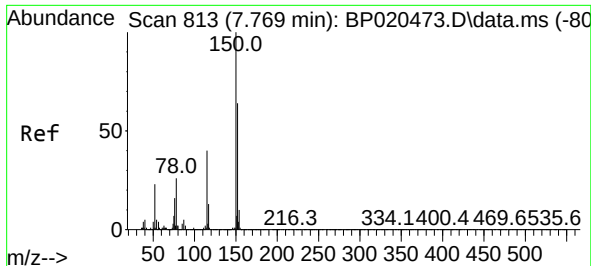
Instrument :
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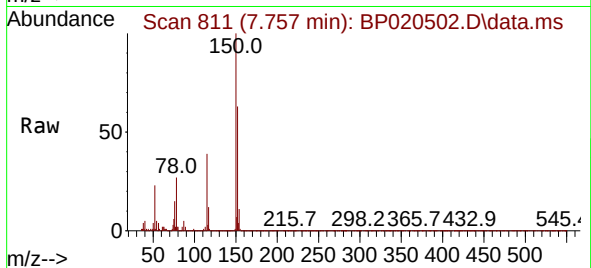
Quant Time: Jun 05 01:23:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 30 03:41:03 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.757 min Scan# 813
Delta R.T. -0.012 min
Lab File: BP020502.D
Acq: 04 Jun 2024 18:57

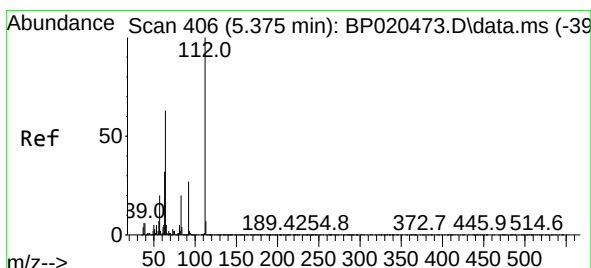
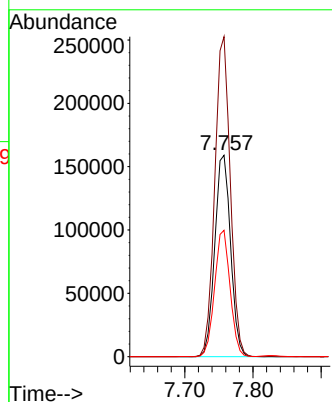
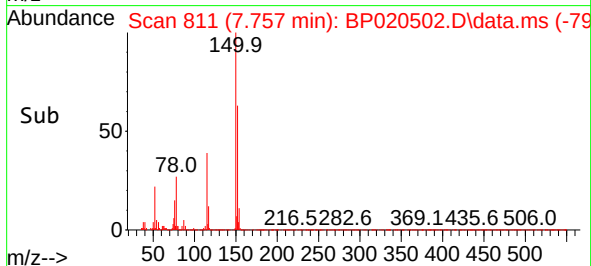
Instrument :
BNA_P
ClientSampleId :
RBR2520258



Tgt Ion:152 Resp: 257015
Ion Ratio Lower Upper
152 100
150 158.8 124.2 186.2
115 62.7 49.5 74.3

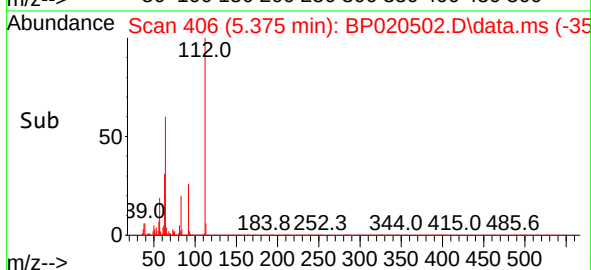
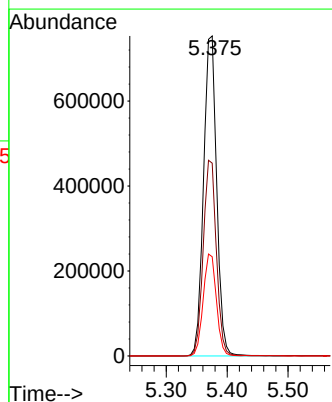
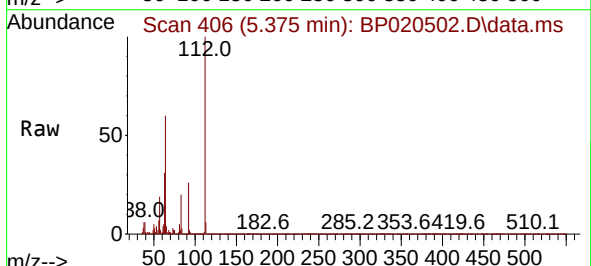
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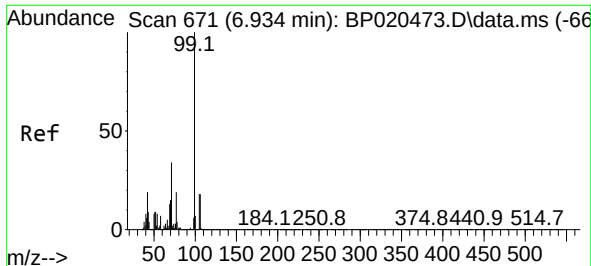
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/06/2024



#5
2-Fluorophenol
Concen: 78.755 ng
RT: 5.375 min Scan# 406
Delta R.T. -0.000 min
Lab File: BP020502.D
Acq: 04 Jun 2024 18:57

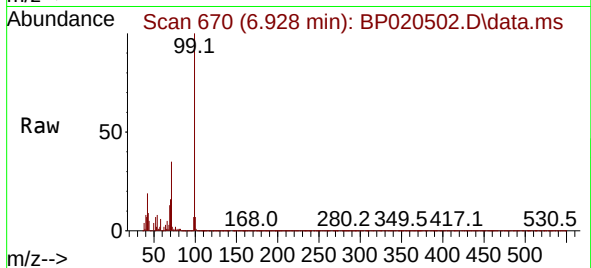
Tgt Ion:112 Resp: 1130513
Ion Ratio Lower Upper
112 100
64 60.2 50.1 75.1
63 31.0 25.7 38.5





#7
Phenol-d6
Concen: 75.166 ng
RT: 6.928 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP020502.D
Acq: 04 Jun 2024 18:57

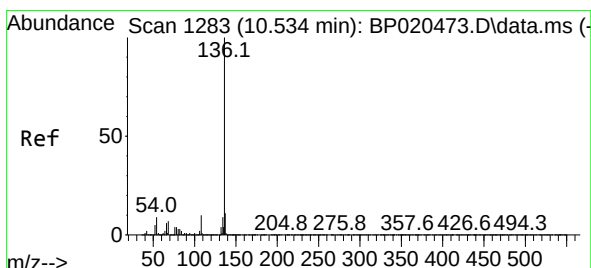
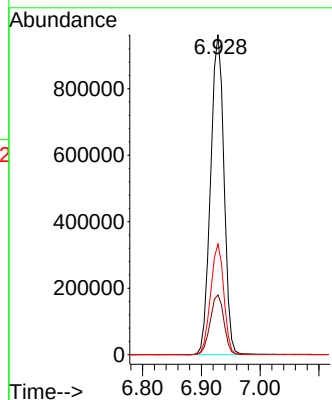
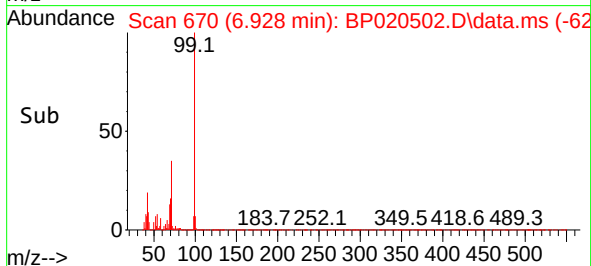
Instrument :
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ClientSampleId :
RBR2520258



Tgt Ion: 99 Resp: 1521650
Ion Ratio Lower Upper
99 100
42 18.7 15.0 22.4
71 34.6 27.3 40.9

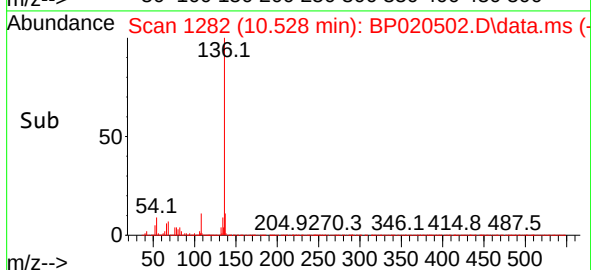
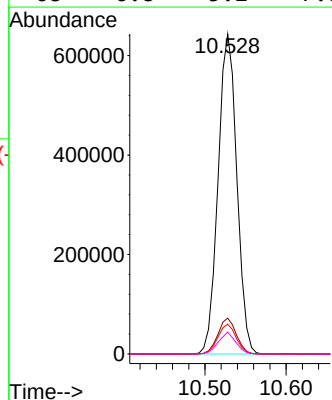
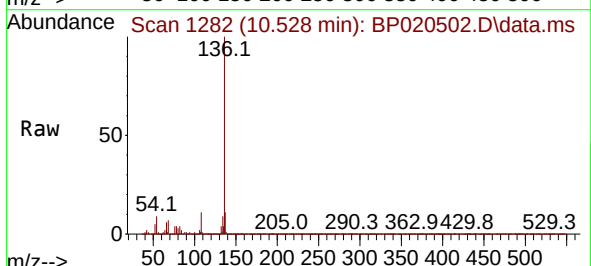
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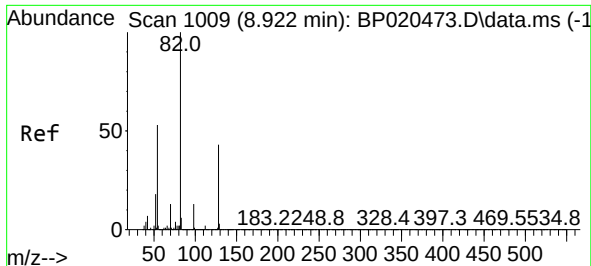
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/06/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.528 min Scan# 1282
Delta R.T. -0.006 min
Lab File: BP020502.D
Acq: 04 Jun 2024 18:57

Tgt Ion:136 Resp: 1032308
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 9.3 7.4 11.0
68 6.8 5.2 7.8





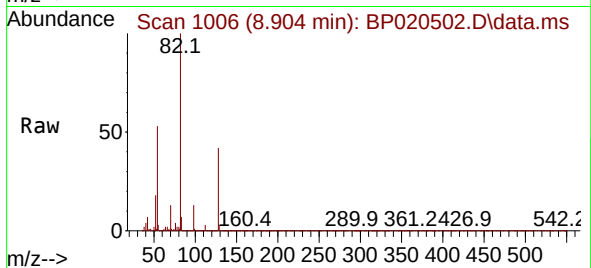
#23
Nitrobenzene-d5
Concen: 48.659 ng
RT: 8.904 min Scan# 1006
Delta R.T. -0.018 min
Lab File: BP020502.D
Acq: 04 Jun 2024 18:57

Instrument :

BNA_P

ClientSampleId :

RBR2520258

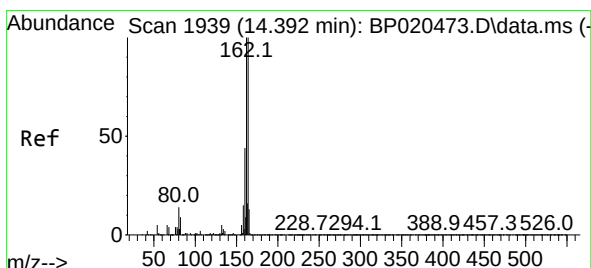
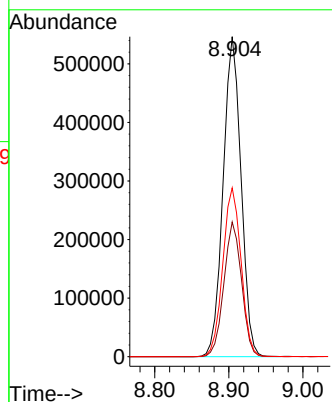
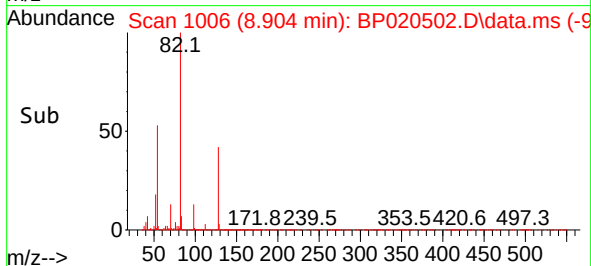


Tgt Ion: 82 Resp: 917628
Ion Ratio Lower Upper
82 100
128 42.1 34.2 51.4
54 52.7 42.7 64.1

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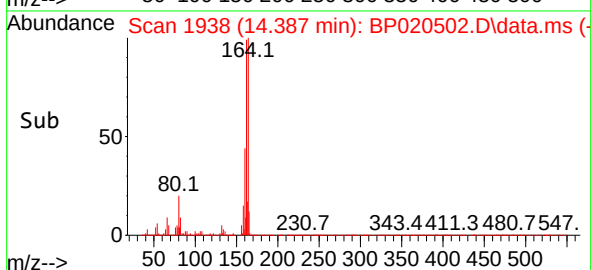
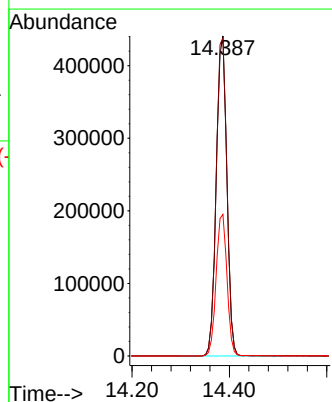
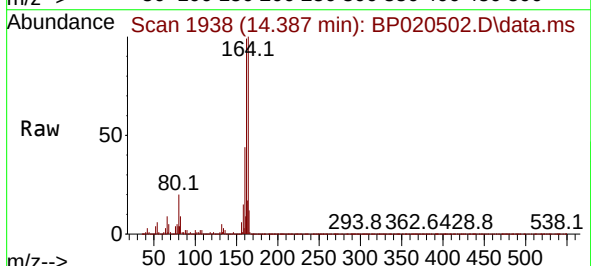
APPROVED

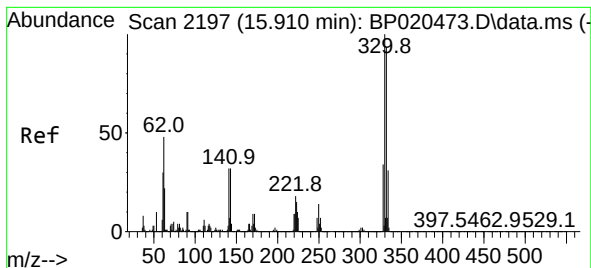
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/06/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.387 min Scan# 1938
Delta R.T. -0.005 min
Lab File: BP020502.D
Acq: 04 Jun 2024 18:57

Tgt Ion:164 Resp: 662837
Ion Ratio Lower Upper
164 100
162 99.3 80.3 120.5
160 44.3 35.4 53.2





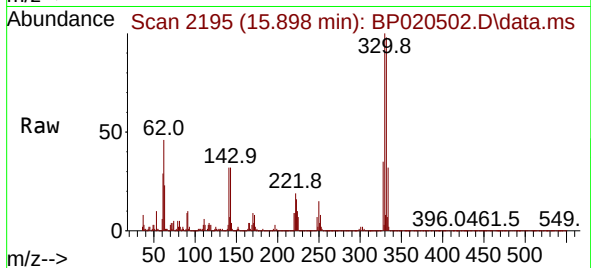
#42
2,4,6-Tribromophenol
Concen: 71.081 ng
RT: 15.898 min Scan# 2197
Delta R.T. -0.012 min
Lab File: BP020502.D
Acq: 04 Jun 2024 18:57

Instrument :

BNA_P

ClientSampleId :

RBR2520258

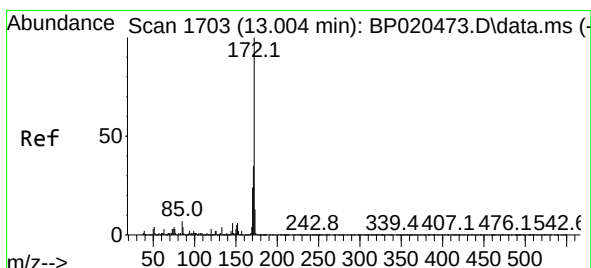
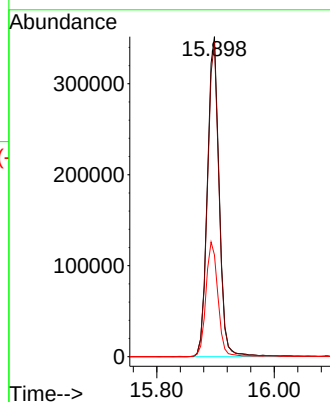
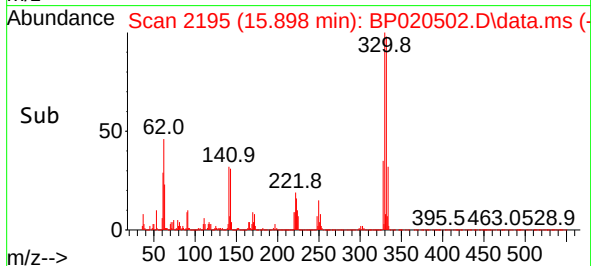


Tgt Ion:330 Resp: 48896
Ion Ratio Lower Upper
330 100
332 97.4 76.6 114.8
141 36.3 27.1 40.7

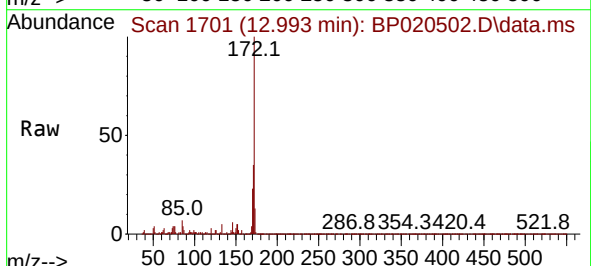
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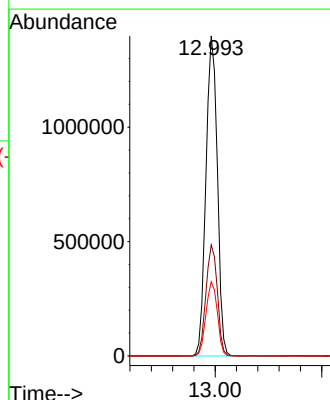
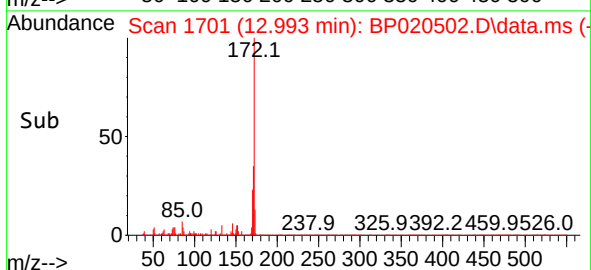
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Supervised By :mohammad ahmed 06/06/2024

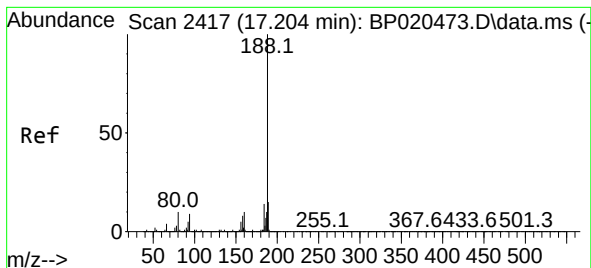


#45
2-Fluorobiphenyl
Concen: 46.635 ng
RT: 12.993 min Scan# 1701
Delta R.T. -0.012 min
Lab File: BP020502.D
Acq: 04 Jun 2024 18:57



Tgt Ion:172 Resp: 2073580
Ion Ratio Lower Upper
172 100
171 34.7 28.4 42.6
170 23.2 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.192 min Scan# 2415

Delta R.T. -0.012 min

Lab File: BP020502.D

Acq: 04 Jun 2024 18:57

Instrument :

BNA_P

ClientSampleId :

RBR2520258

Tgt Ion:188 Resp: 142493

Ion Ratio Lower Upper

188 100

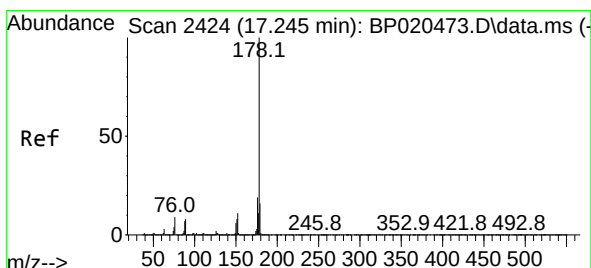
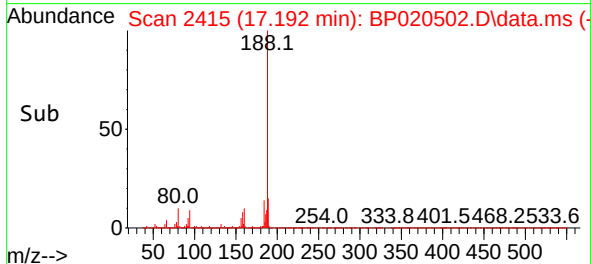
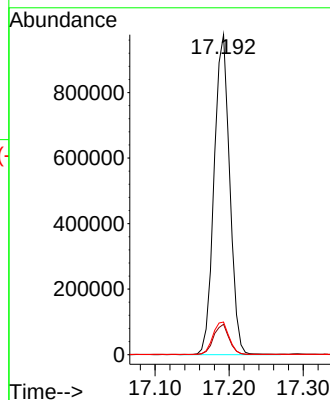
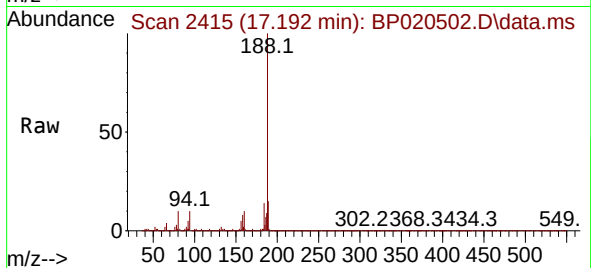
94 9.5 7.2 10.8

80 10.2 8.1 12.1

Manual Integrations

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Supervised By :mohammad ahmed 06/06/2024



#71

Phenanthrene

Concen: 3.230 ng

RT: 17.233 min Scan# 2422

Delta R.T. -0.012 min

Lab File: BP020502.D

Acq: 04 Jun 2024 18:57

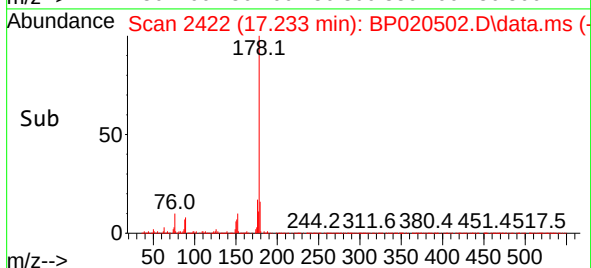
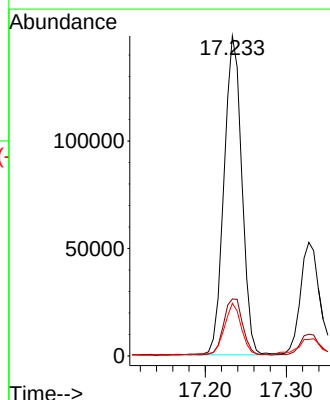
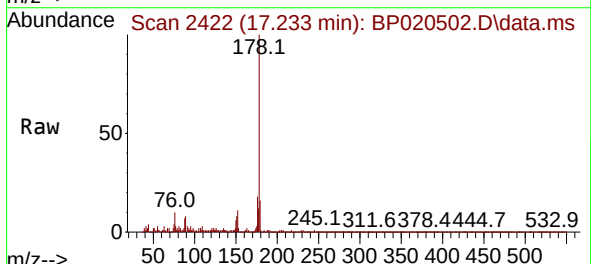
Tgt Ion:178 Resp: 226215

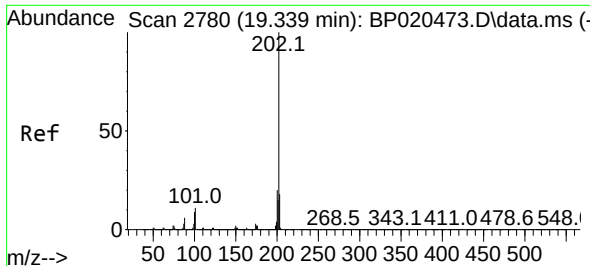
Ion Ratio Lower Upper

178 100

176 17.8 15.4 23.2

179 16.5 12.5 18.7





#75
Fluoranthene
Concen: 8.835 ng
RT: 19.322 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP020502.D
Acq: 04 Jun 2024 18:57

Instrument :

BNA_P

ClientSampleId :

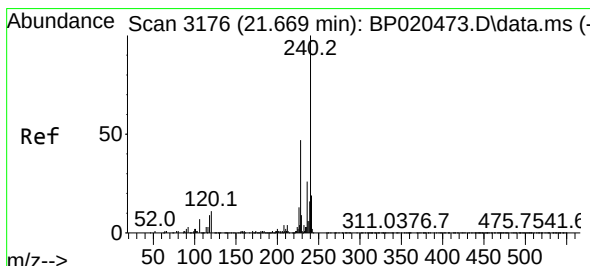
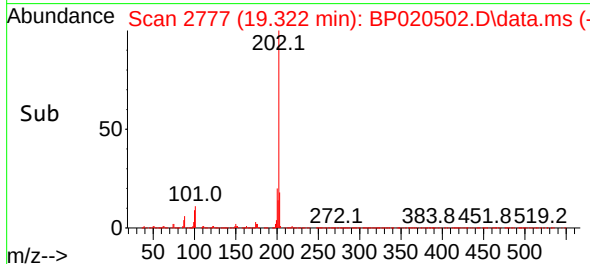
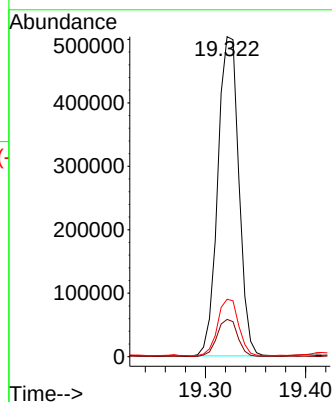
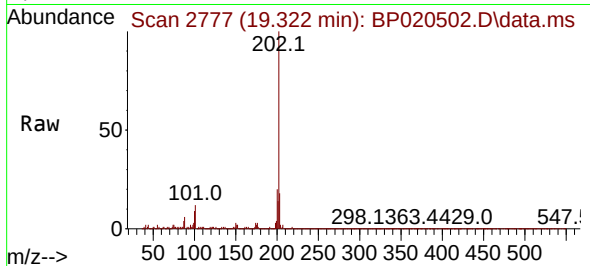
RBR2520258

Tgt Ion:202 Resp: 732110
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.4
203 18.0 0.0 37.7

Manual Integrations

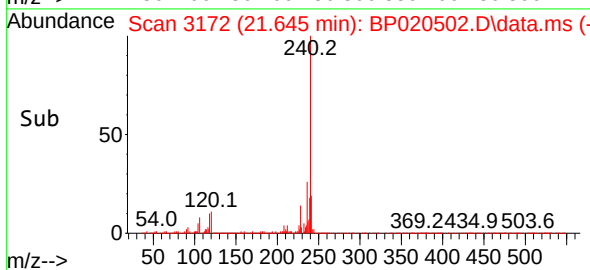
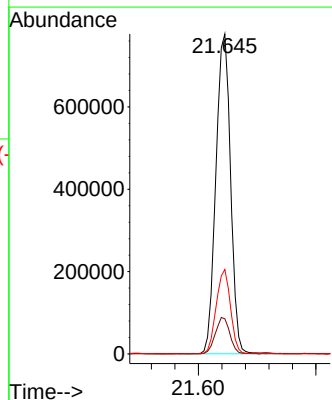
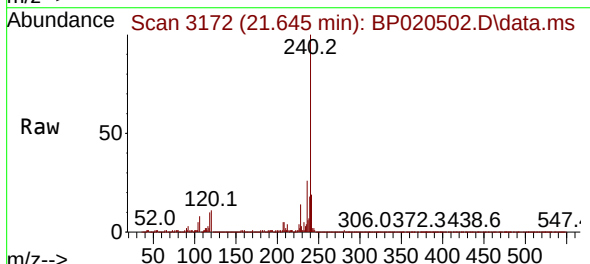
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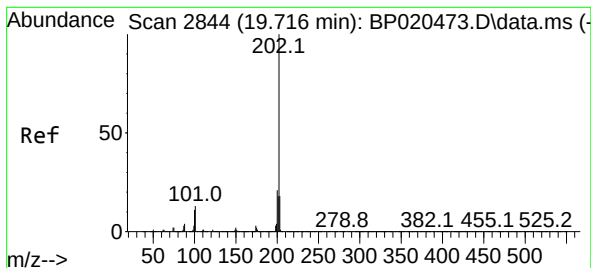
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/06/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.645 min Scan# 3172
Delta R.T. -0.024 min
Lab File: BP020502.D
Acq: 04 Jun 2024 18:57

Tgt Ion:240 Resp: 1345521
Ion Ratio Lower Upper
240 100
120 11.0 8.5 12.7
236 26.4 20.5 30.7





#78

Pyrene

Concen: 7.537 ng

RT: 19.698 min Scan# 2841

Delta R.T. -0.018 min

Lab File: BP020502.D

Acq: 04 Jun 2024 18:57

Instrument :

BNA_P

ClientSampleId :

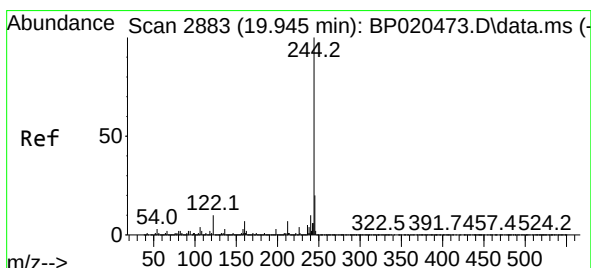
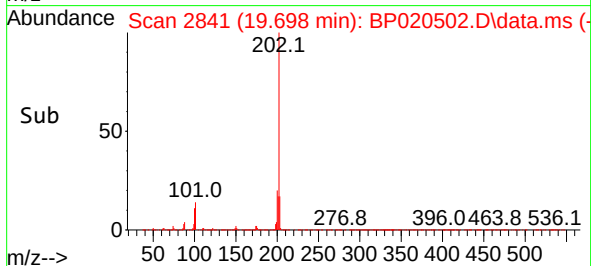
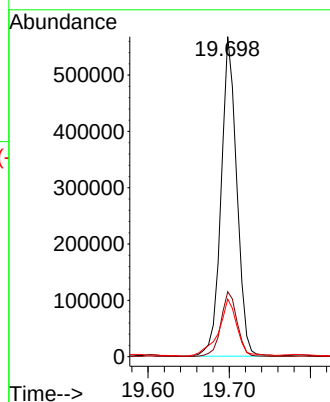
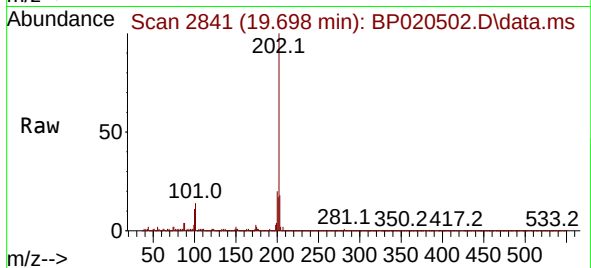
RBR2520258

Tgt Ion:	202	Resp:	76284
Ion Ratio	Lower	Upper	
202	100		
200	20.3	16.9	25.3
203	18.0	14.1	21.1

Manual Integrations

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#79

Terphenyl-d14

Concen: 42.110 ng

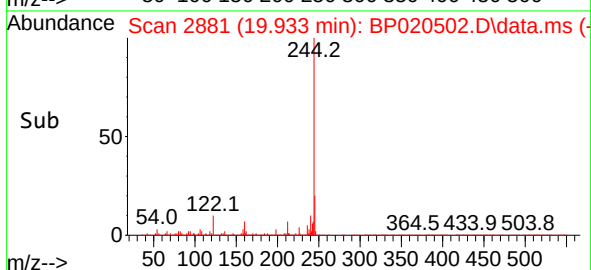
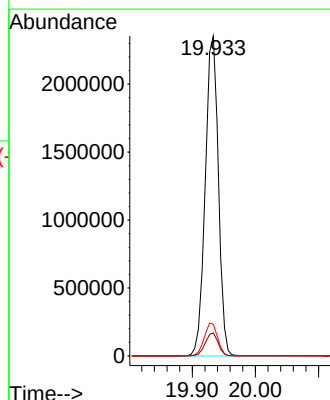
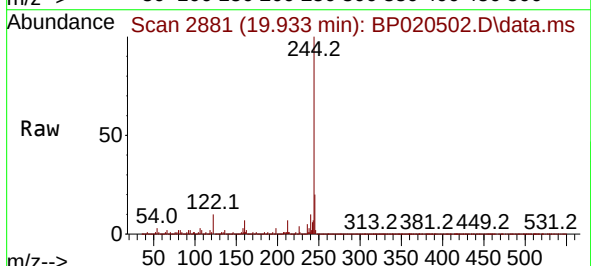
RT: 19.933 min Scan# 2881

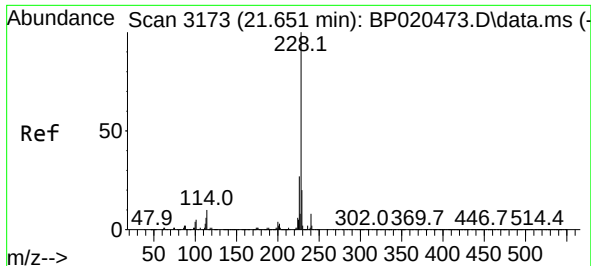
Delta R.T. -0.012 min

Lab File: BP020502.D

Acq: 04 Jun 2024 18:57

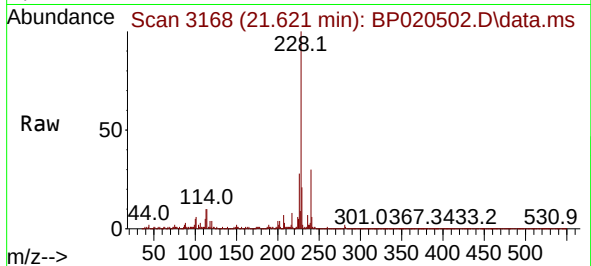
Tgt Ion:	244	Resp:	3403564
Ion Ratio	Lower	Upper	
244	100		
212	7.2	5.8	8.8
122	9.9	8.2	12.2





#81
Benzo(a)anthracene
Concen: 8.560 ng
RT: 21.621 min Scan# 3173
Delta R.T. -0.029 min
Lab File: BP020502.D
Acq: 04 Jun 2024 18:57

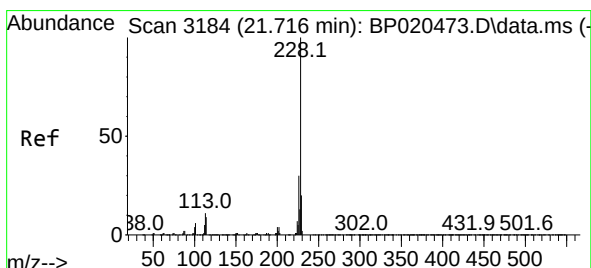
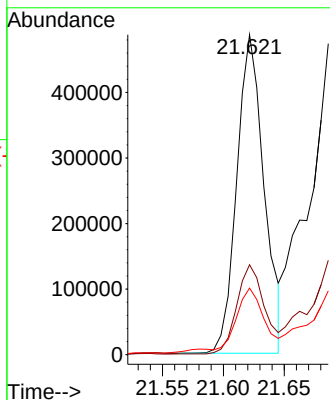
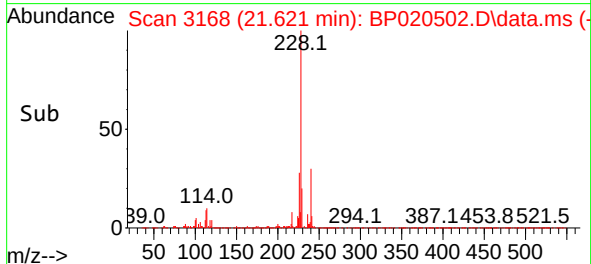
Instrument :
BNA_P
ClientSampleId :
RBR2520258



Tgt Ion:228 Resp: 75837
Ion Ratio Lower Upper
228 100
226 28.1 21.7 32.5
229 20.8 15.8 23.6

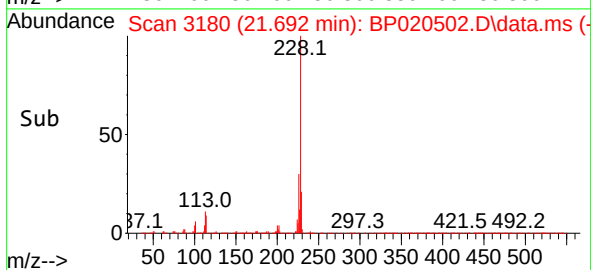
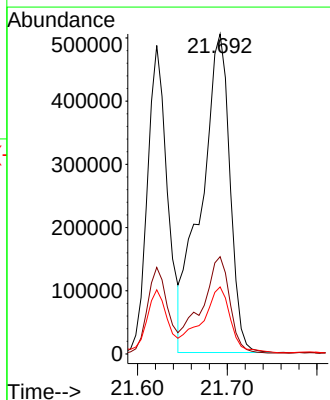
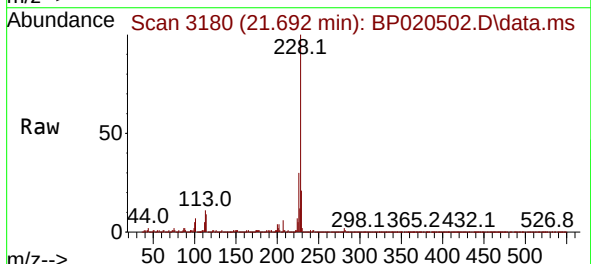
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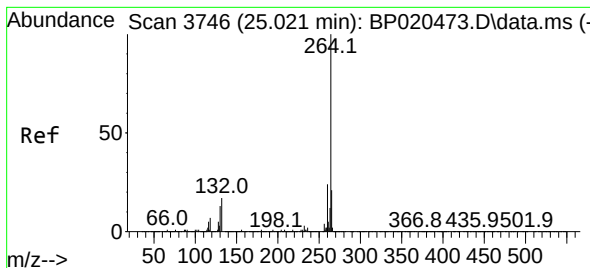
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/06/2024



#83
Chrysene
Concen: 13.389 ng
RT: 21.692 min Scan# 3180
Delta R.T. -0.024 min
Lab File: BP020502.D
Acq: 04 Jun 2024 18:57

Tgt Ion:228 Resp: 1117729
Ion Ratio Lower Upper
228 100
226 30.4 24.0 36.0
229 21.0 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.998 min Scan# 31

Delta R.T. -0.024 min

Lab File: BP020502.D

Acq: 04 Jun 2024 18:57

Instrument :

BNA_P

ClientSampleId :

RBR2520258

Tgt Ion:264 Resp: 154532

Ion Ratio Lower Upper

264 100

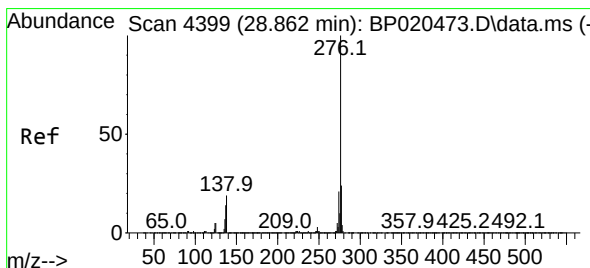
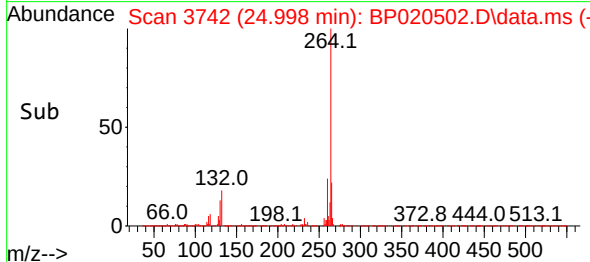
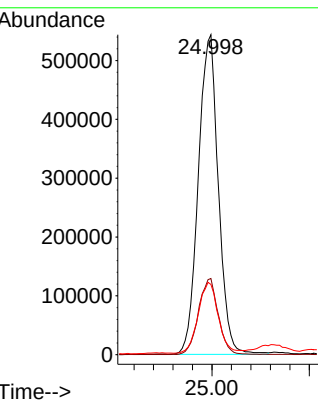
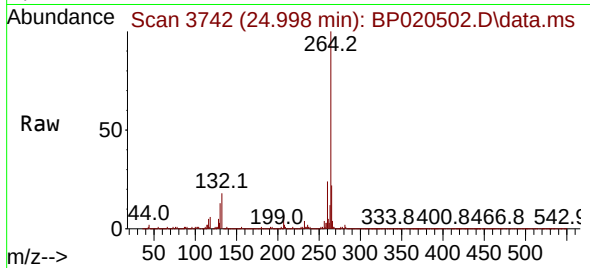
260 23.8 18.9 28.3

265 22.0 17.4 26.0

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Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/06/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.928 ng

RT: 28.798 min Scan# 4388

Delta R.T. -0.065 min

Lab File: BP020502.D

Acq: 04 Jun 2024 18:57

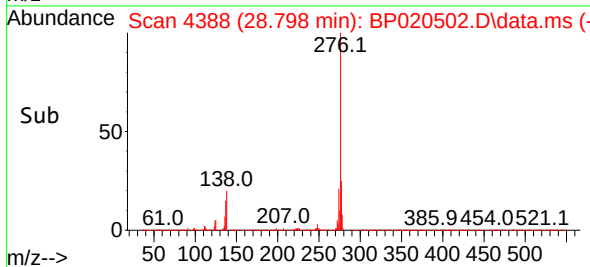
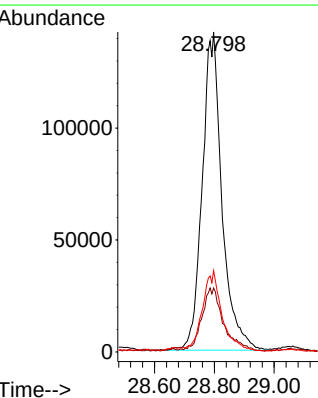
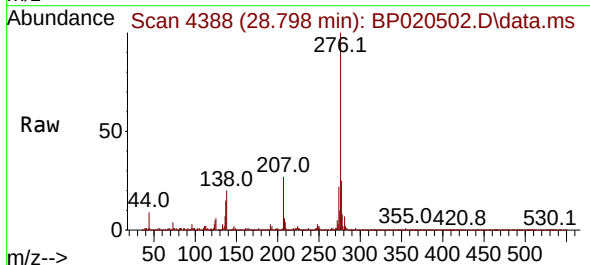
Tgt Ion:276 Resp: 651016

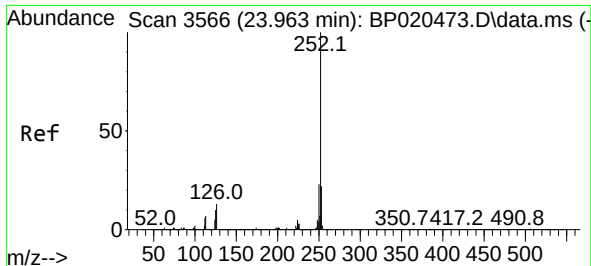
Ion Ratio Lower Upper

276 100

138 21.8 12.8 19.2#

277 11.6 15.6 23.4#





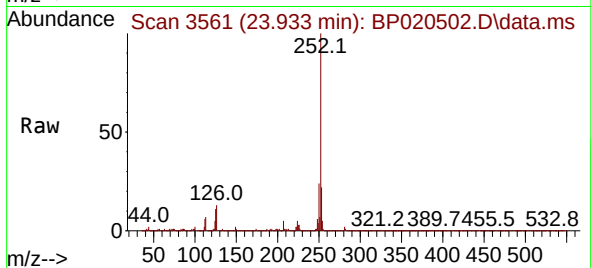
#88
Benzo(b)fluoranthene
Concen: 19.792 ng
RT: 23.933 min Scan# 3566
Delta R.T. -0.029 min
Lab File: BP020502.D
Acq: 04 Jun 2024 18:57

Instrument :

BNA_P

ClientSampleId :

RBR2520258

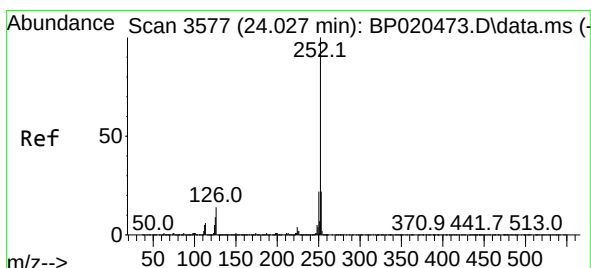
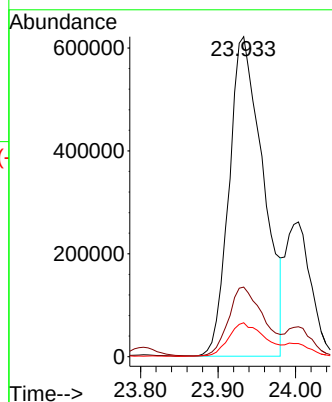
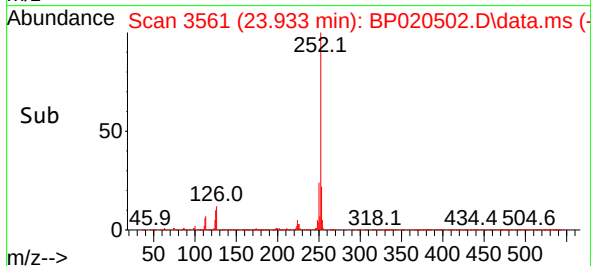


Tgt Ion:252 Resp: 190541
Ion Ratio Lower Upper
252 100
253 21.8 17.6 26.4
125 10.6 8.0 12.0

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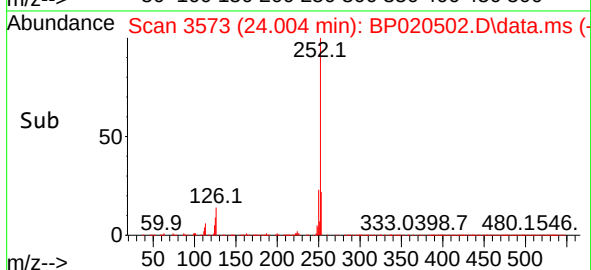
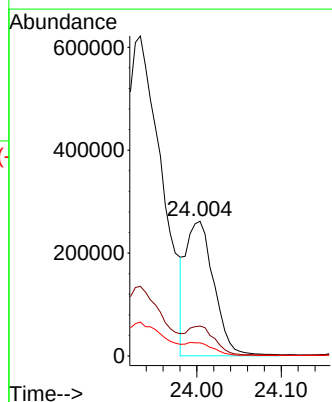
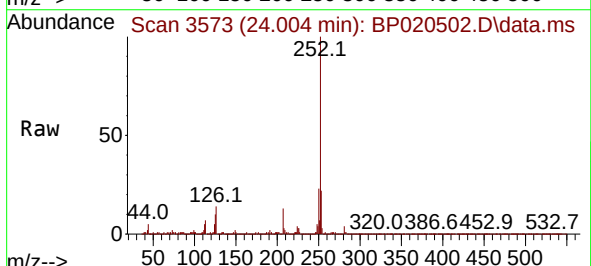
APPROVED

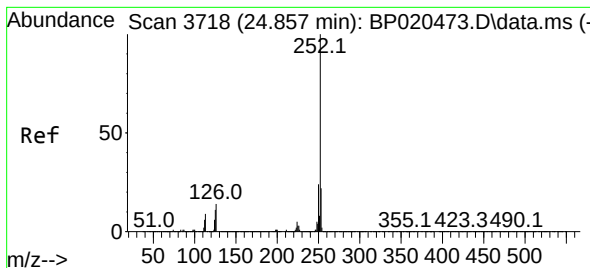
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/06/2024



#89
Benzo(k)fluoranthene
Concen: 6.408 ng m
RT: 24.004 min Scan# 3573
Delta R.T. -0.024 min
Lab File: BP020502.D
Acq: 04 Jun 2024 18:57

Tgt Ion:252 Resp: 601652
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 9.8 7.8 11.6





#90

Benzo(a)pyrene

Concen: 10.860 ng

RT: 24.833 min Scan# 31

Delta R.T. -0.024 min

Lab File: BP020502.D

Acq: 04 Jun 2024 18:57

Instrument :

BNA_P

ClientSampleId :

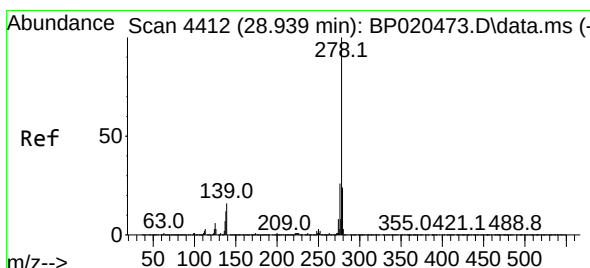
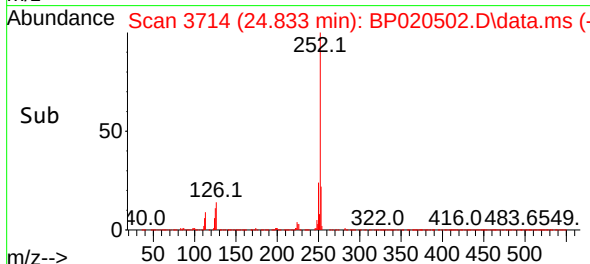
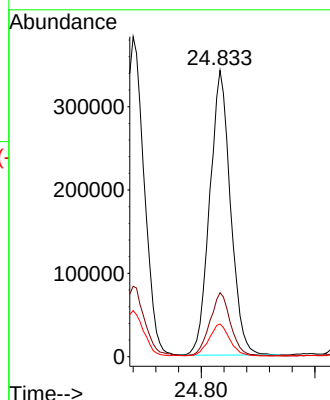
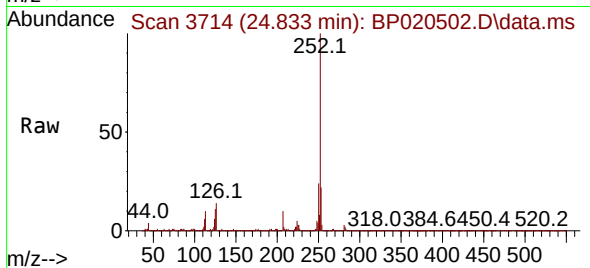
RBR2520258

Tgt Ion:	252	Resp:	86587
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.4	26.2
125	11.4	8.9	13.3

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/06/2024



#91

Dibenzo(a,h)anthracene

Concen: 2.469 ng

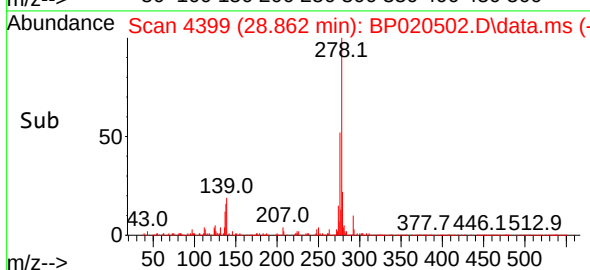
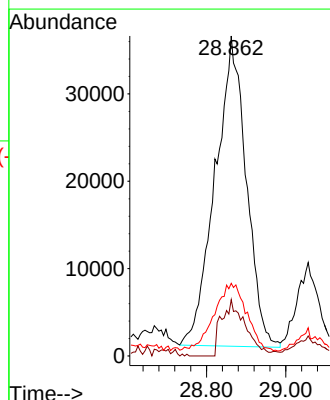
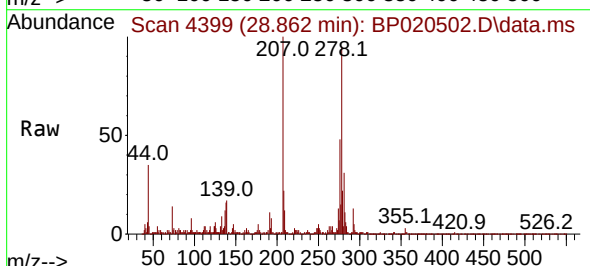
RT: 28.862 min Scan# 4399

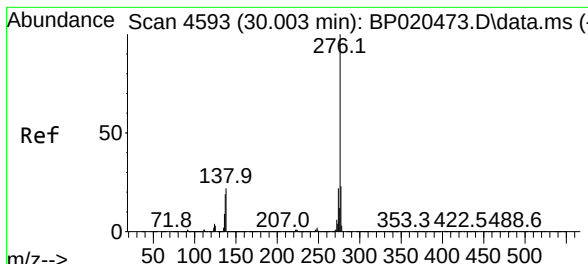
Delta R.T. -0.076 min

Lab File: BP020502.D

Acq: 04 Jun 2024 18:57

Tgt Ion:	278	Resp:	193545
Ion Ratio	Lower	Upper	
278	100		
139	17.6	13.0	19.4
279	22.7	19.2	28.8





#92
 Benzo(g,h,i)perylene
 Concen: 7.433 ng
 RT: 29.939 min Scan# 4582
 Delta R.T. -0.065 min
 Lab File: BP020502.D
 Acq: 04 Jun 2024 18:57

Instrument : BNA_P
 ClientSampleId : RBR2520258

Tgt Ion: 276 Resp: 582310

Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.7	28.1
138	23.1	17.7	26.5

Manual Integrations
APPROVED
 Reviewed By :Jagrut Upadhyay 06/05/2024
 Supervised By :mohammad ahmed 06/06/2024

