

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061324\
 Data File : BP020620.D
 Acq On : 13 Jun 2024 21:03
 Operator : MA/JU
 Sample : P2858-01 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 NB-07-06122024

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/14/2024
 Supervised By :mohammad ahmed 06/15/2024

Quant Time: Jun 13 23:38:34 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	7.752	152	238696	20.000	ng	-0.02
21) Naphthalene-d8	10.528	136	933662	20.000	ng	0.00
39) Acenaphthene-d10	14.375	164	576252	20.000	ng	-0.02
64) Phenanthrene-d10	17.186	188	1144184	20.000	ng	-0.02
76) Chrysene-d12	21.639	240	1053444	20.000	ng	-0.03
86) Perylene-d12	24.998	264	1249191	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	653007	48.982	ng	0.00
7) Phenol-d6	6.928	99	839840	44.670	ng	0.00
23) Nitrobenzene-d5	8.899	82	514191	30.147	ng	-0.02
42) 2,4,6-Tribromophenol	15.898	330	327999	54.846	ng	-0.01
45) 2-Fluorobiphenyl	12.987	172	1232390	31.881	ng	-0.02
79) Terphenyl-d14	19.916	244	1816625	28.708	ng	-0.03
Target Compounds						Qvalue
49) Acenaphthylene	14.098	152	136036m	2.836	ng	
71) Phenanthrene	17.228	178	432753	7.694	ng	100
72) Anthracene	17.316	178	189091m	3.426	ng	
75) Fluoranthene	19.322	202	1238292	18.610	ng	99
78) Pyrene	19.698	202	1334479	16.841	ng	99
81) Benzo(a)anthracene	21.616	228	734797	10.593	ng	95
83) Chrysene	21.686	228	734356	11.236	ng	97
87) Indeno(1,2,3-cd)pyrene	28.833	276	883311	11.628	ng	# 89
88) Benzo(b)fluoranthene	23.939	252	1448492	18.613	ng	98
89) Benzo(k)fluoranthene	23.998	252	486959m	6.416	ng	
90) Benzo(a)pyrene	24.839	252	1138722	17.668	ng	98
91) Dibenzo(a,h)anthracene	28.880	278	218983	3.456	ng	# 88
92) Benzo(g,h,i)perylene	30.009	276	943745	14.902	ng	95

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

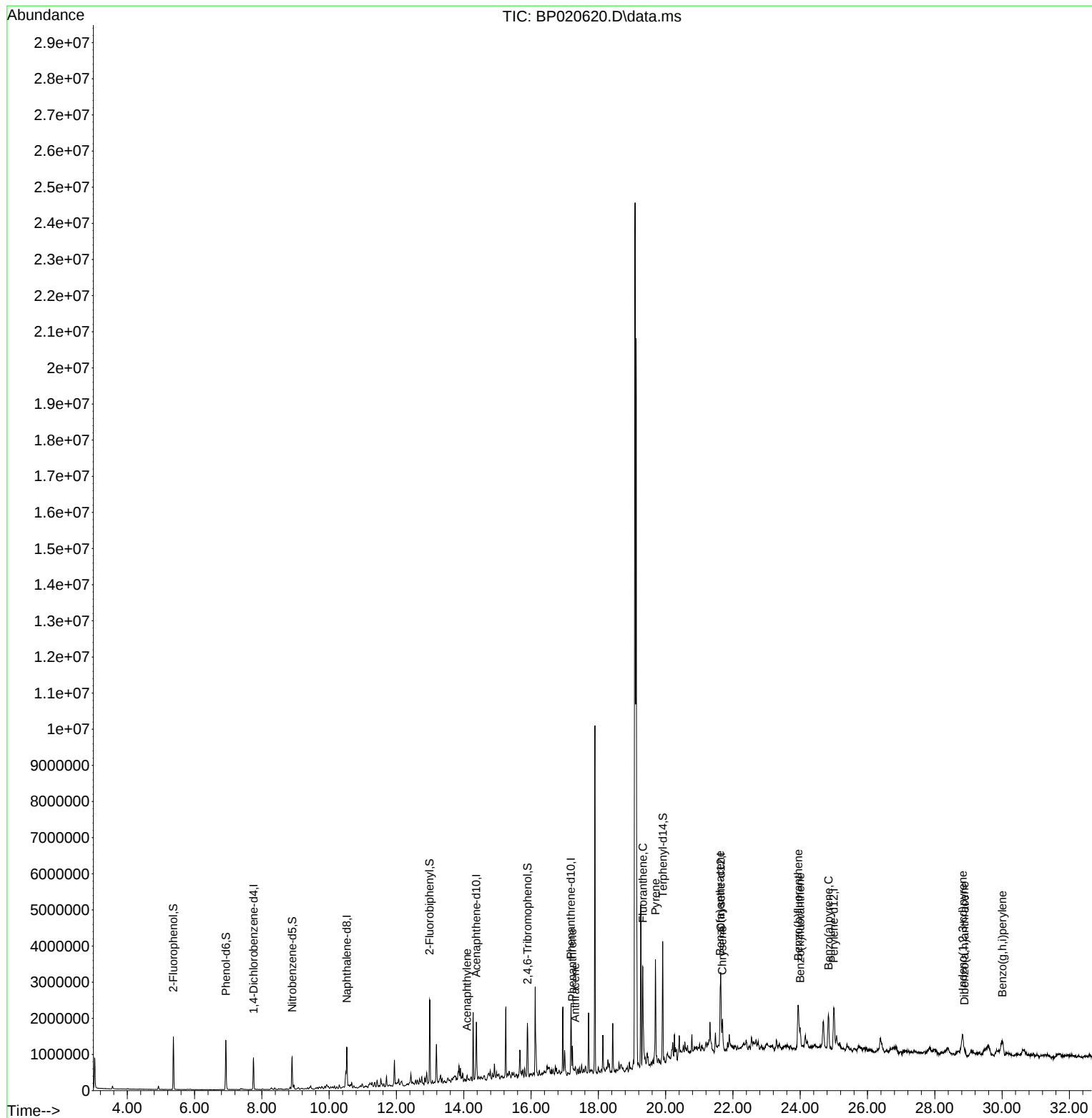
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061324\
Data File : BP020620.D
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ALS Vial : 12 Sample Multiplier: 1

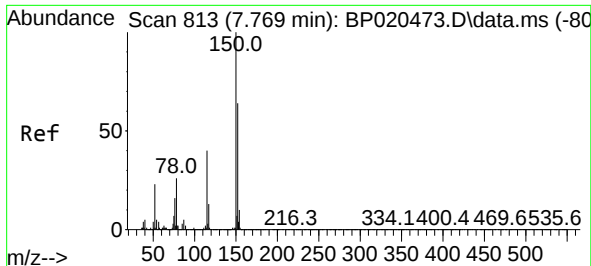
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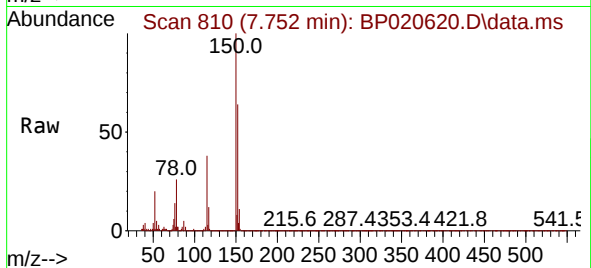
Quant Time: Jun 13 23:38:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 30 03:41:03 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.752 min Scan# 813
Delta R.T. -0.017 min
Lab File: BP020620.D
Acq: 13 Jun 2024 21:03

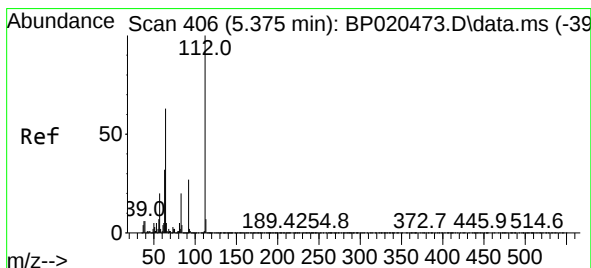
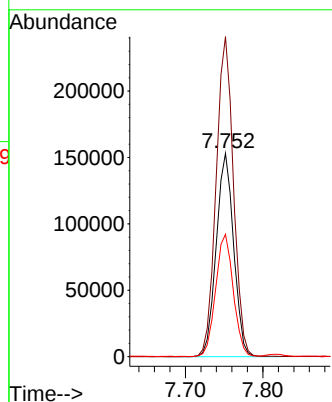
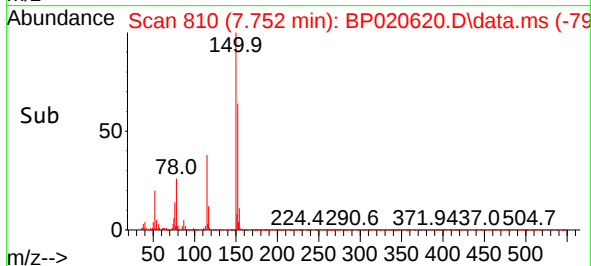
Instrument :
BNA_P
ClientSampleId :
NB-07-06122024



Tgt Ion:152 Resp: 238690
Ion Ratio Lower Upper
152 100
150 157.3 124.2 186.2
115 60.2 49.5 74.3

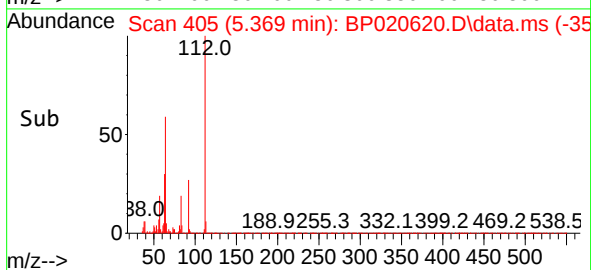
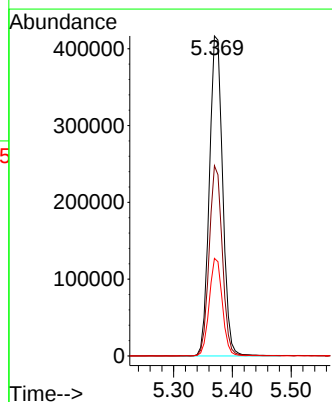
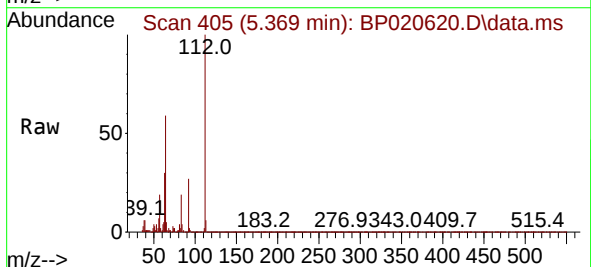
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Supervised By :mohammad ahmed 06/15/2024



#5
2-Fluorophenol
Concen: 48.982 ng
RT: 5.369 min Scan# 405
Delta R.T. -0.006 min
Lab File: BP020620.D
Acq: 13 Jun 2024 21:03

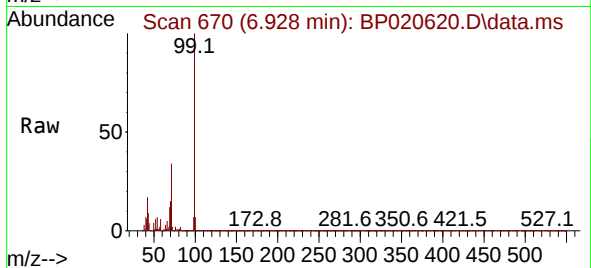
Tgt Ion:112 Resp: 653007
Ion Ratio Lower Upper
112 100
64 59.5 50.1 75.1
63 30.5 25.7 38.5





#7
Phenol-d6
Concen: 44.670 ng
RT: 6.928 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP020620.D
Acq: 13 Jun 2024 21:03

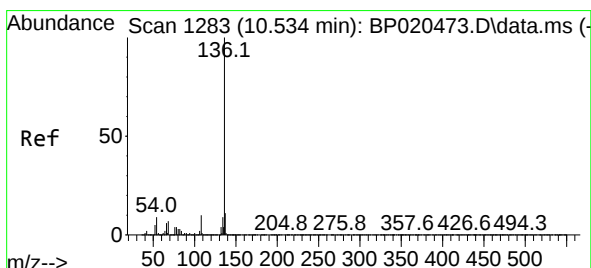
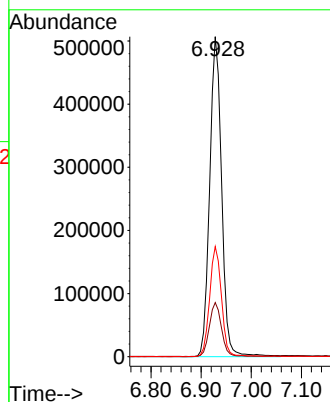
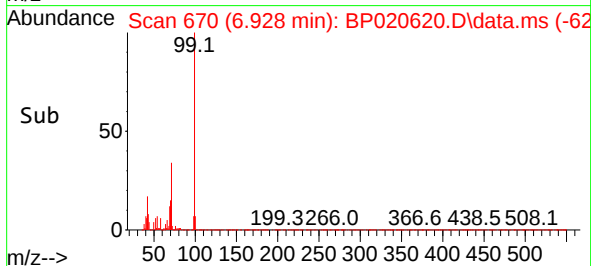
Instrument :
BNA_P
ClientSampleId :
NB-07-06122024



Tgt Ion: 99 Resp: 839840
Ion Ratio Lower Upper
99 100
42 16.9 15.0 22.4
71 34.4 27.3 40.9

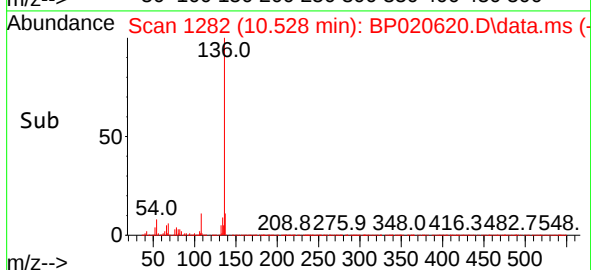
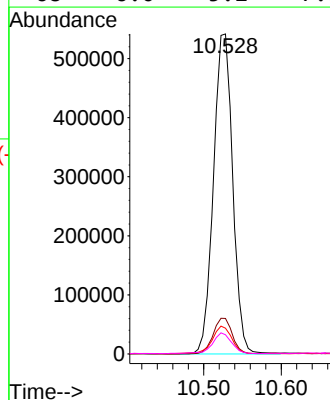
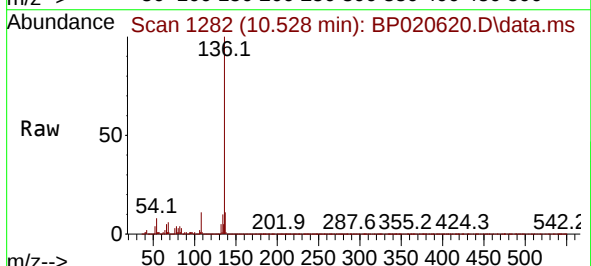
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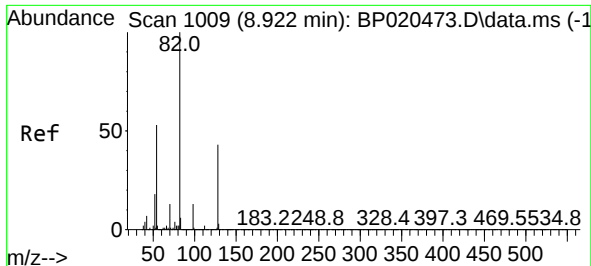
Reviewed By :Jagrut Upadhyay 06/14/2024
Supervised By :mohammad ahmed 06/15/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.528 min Scan# 1282
Delta R.T. -0.006 min
Lab File: BP020620.D
Acq: 13 Jun 2024 21:03

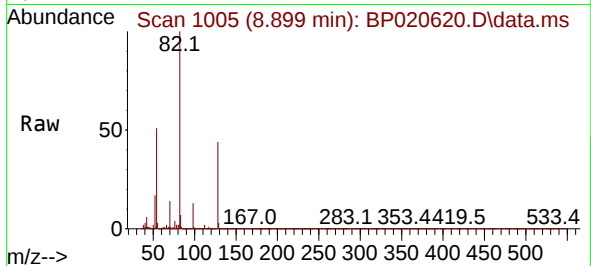
Tgt Ion:136 Resp: 933662
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 8.0 7.4 11.0
68 6.0 5.2 7.8





#23
Nitrobenzene-d5
Concen: 30.147 ng
RT: 8.899 min Scan# 1005
Delta R.T. -0.023 min
Lab File: BP020620.D
Acq: 13 Jun 2024 21:03

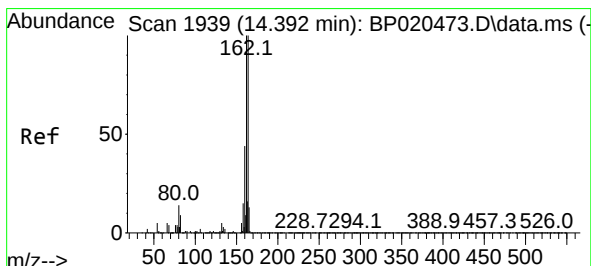
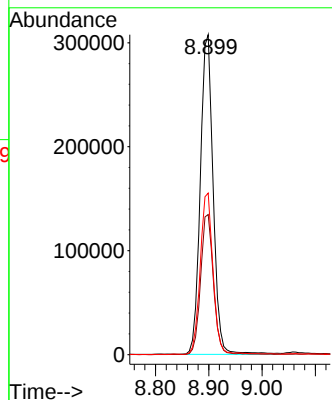
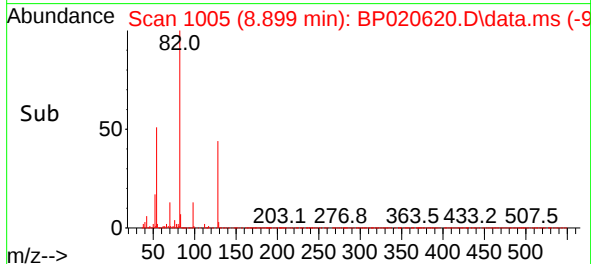
Instrument :
BNA_P
ClientSampleId :
NB-07-06122024



Tgt Ion: 82 Resp: 51419
Ion Ratio Lower Upper
82 100
128 43.8 34.2 51.4
54 50.5 42.7 64.1

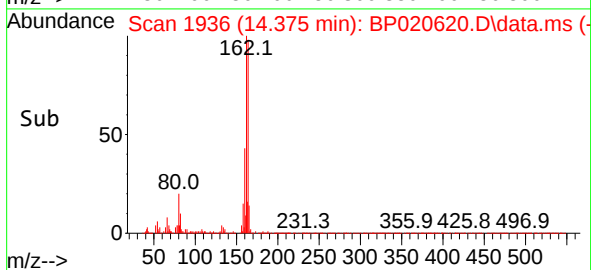
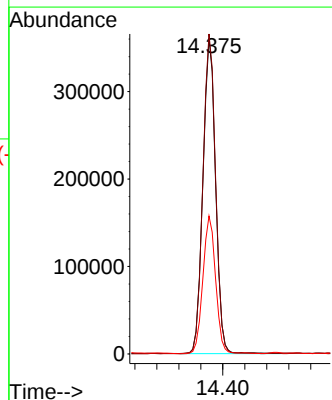
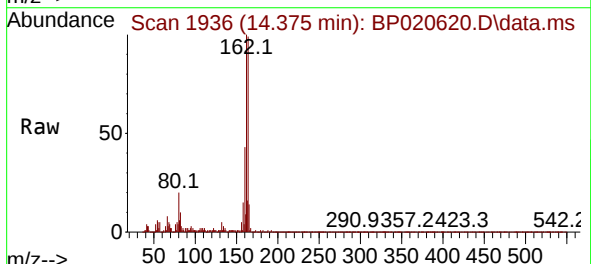
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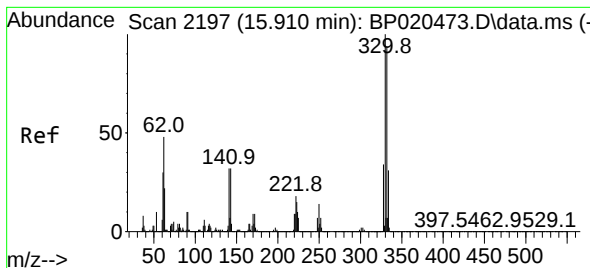
Reviewed By :Jagrut Upadhyay 06/14/2024
Supervised By :mohammad ahmed 06/15/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.375 min Scan# 1936
Delta R.T. -0.017 min
Lab File: BP020620.D
Acq: 13 Jun 2024 21:03

Tgt Ion:164 Resp: 576252
Ion Ratio Lower Upper
164 100
162 101.4 80.3 120.5
160 43.7 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 54.846 ng

RT: 15.898 min Scan# 2197

Delta R.T. -0.012 min

Lab File: BP020620.D

Acq: 13 Jun 2024 21:03

Instrument :

BNA_P

ClientSampleId :

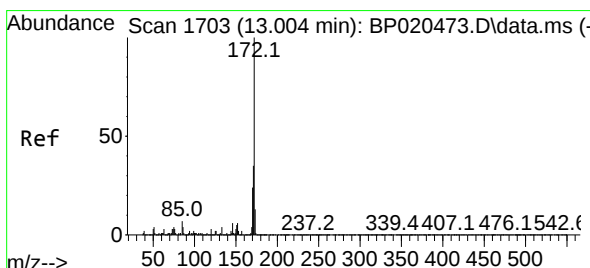
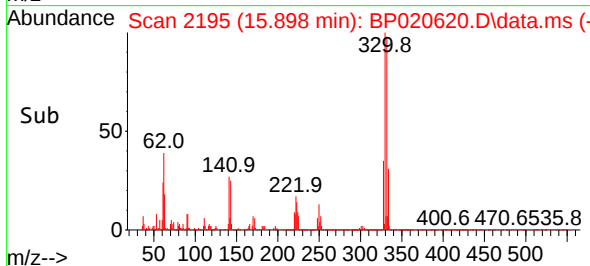
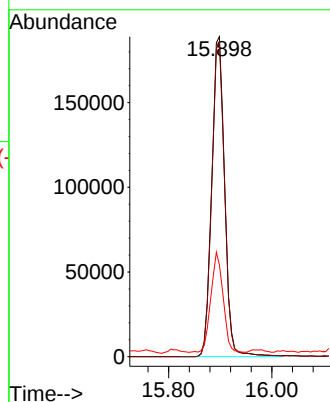
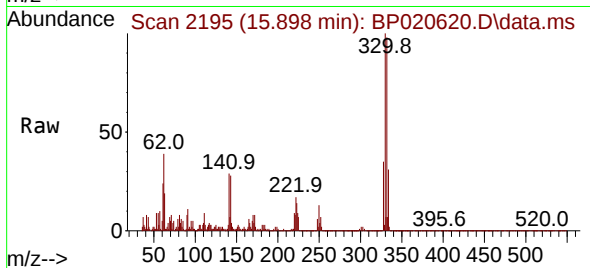
NB-07-06122024

Tgt Ion:	330	Resp:	327999
Ion Ratio	Lower	Upper	
330	100		
332	98.1	76.6	114.8
141	29.6	27.1	40.7

Manual Integrations

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Supervised By :mohammad ahmed 06/15/2024



#45

2-Fluorobiphenyl

Concen: 31.881 ng

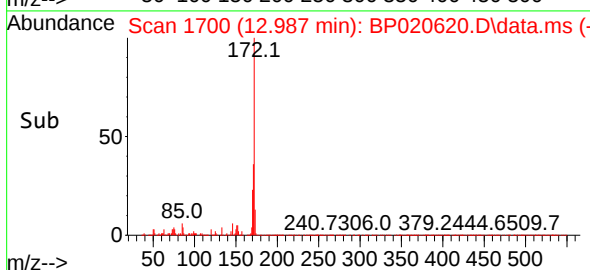
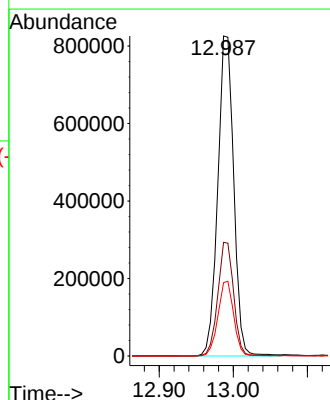
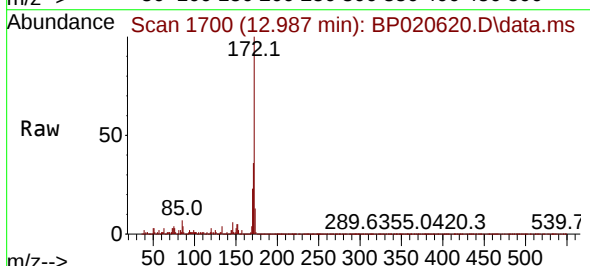
RT: 12.987 min Scan# 1700

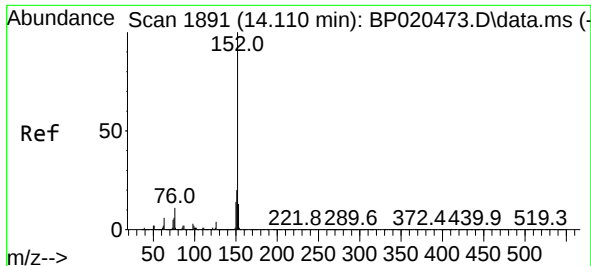
Delta R.T. -0.018 min

Lab File: BP020620.D

Acq: 13 Jun 2024 21:03

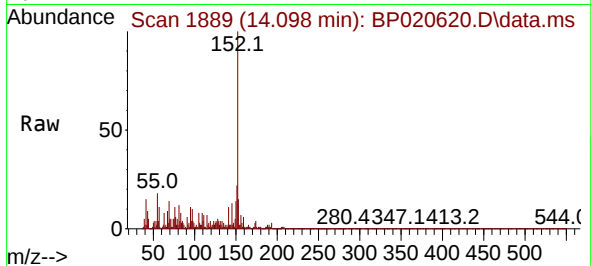
Tgt Ion:	172	Resp:	1232390
Ion Ratio	Lower	Upper	
172	100		
171	35.5	28.4	42.6
170	22.9	18.9	28.3





#49
Acenaphthylene
Concen: 2.836 ng m
RT: 14.098 min Scan# 1889
Delta R.T. -0.012 min
Lab File: BP020620.D
Acq: 13 Jun 2024 21:03

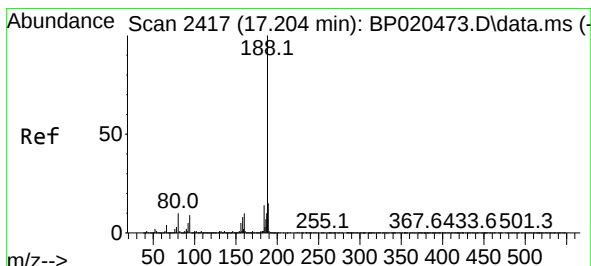
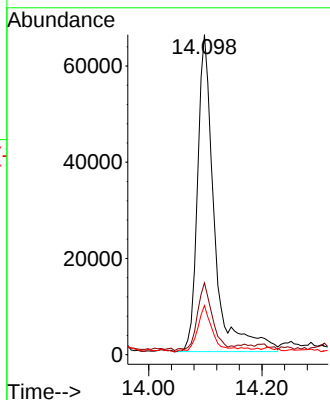
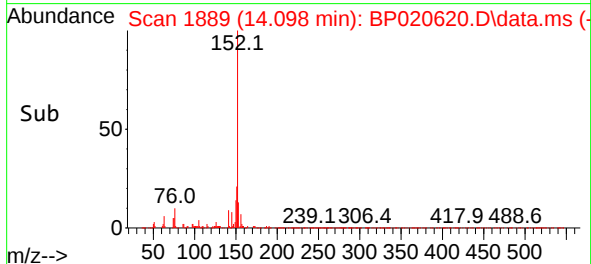
Instrument :
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ClientSampleId :
NB-07-06122024



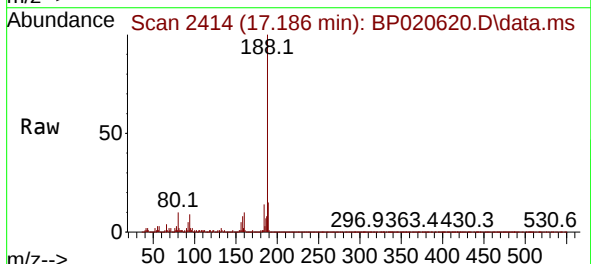
Tgt Ion:152 Resp: 136030
Ion Ratio Lower Upper
152 100
151 22.5 15.9 23.9
153 15.4 10.6 15.8

Manual Integrations
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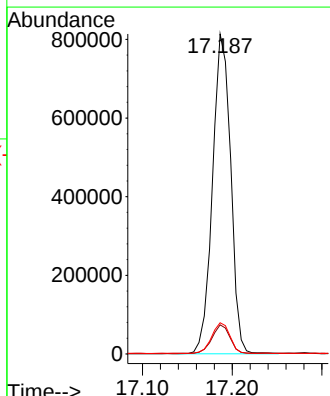
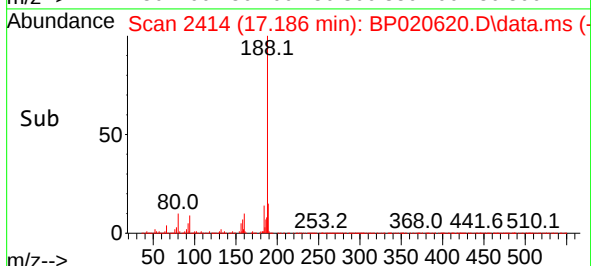
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Supervised By :mohammad ahmed 06/15/2024

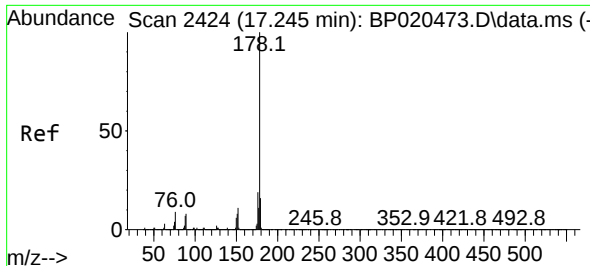


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.186 min Scan# 2414
Delta R.T. -0.018 min
Lab File: BP020620.D
Acq: 13 Jun 2024 21:03



Tgt Ion:188 Resp: 1144184
Ion Ratio Lower Upper
188 100
94 9.1 7.2 10.8
80 9.7 8.1 12.1





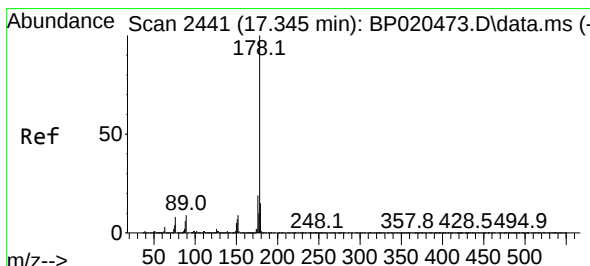
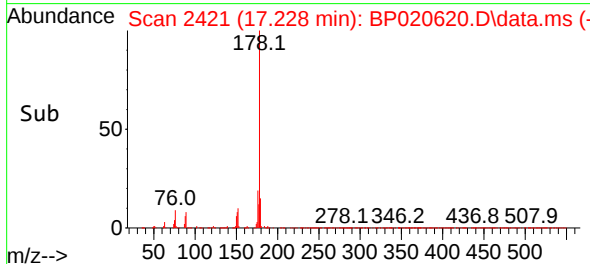
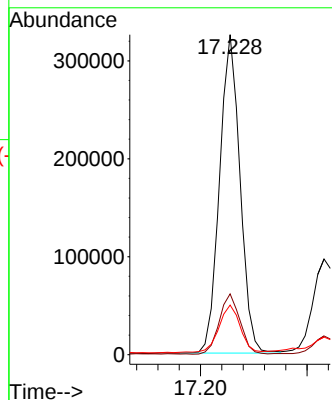
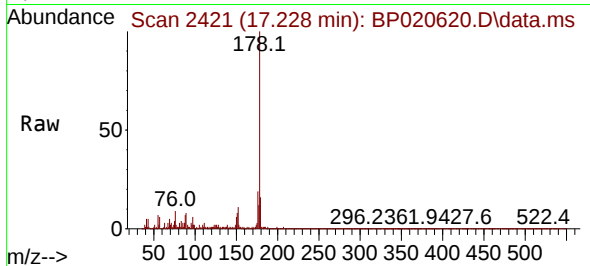
#71
Phenanthrene
Concen: 7.694 ng
RT: 17.228 min Scan# 2424
Delta R.T. -0.018 min
Lab File: BP020620.D
Acq: 13 Jun 2024 21:03

Instrument : BNA_P
ClientSampleId : NB-07-06122024

Tgt Ion:178 Resp: 43275
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.2
179 15.5 12.5 18.7

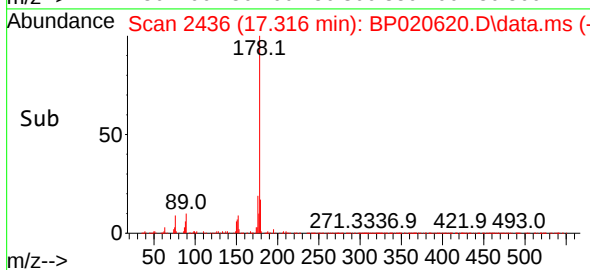
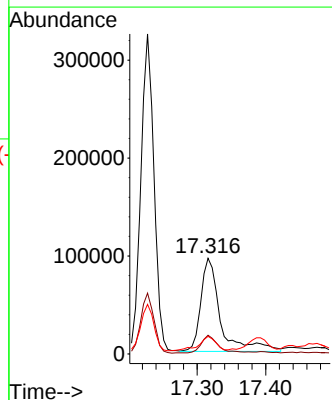
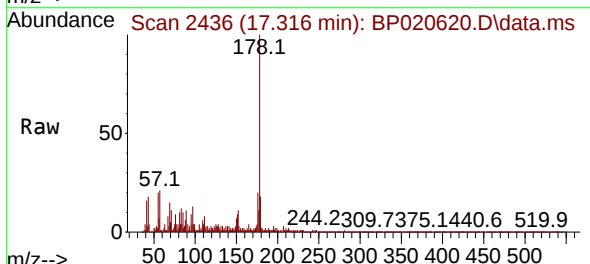
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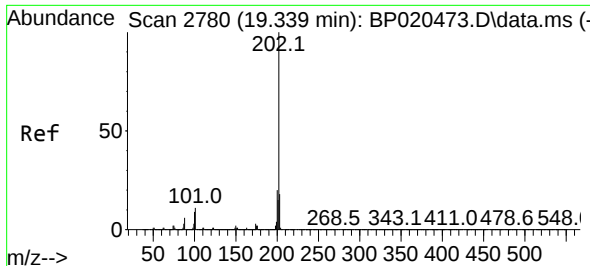
Reviewed By :Jagrut Upadhyay 06/14/2024
Supervised By :mohammad ahmed 06/15/2024



#72
Anthracene
Concen: 3.426 ng m
RT: 17.316 min Scan# 2436
Delta R.T. -0.029 min
Lab File: BP020620.D
Acq: 13 Jun 2024 21:03

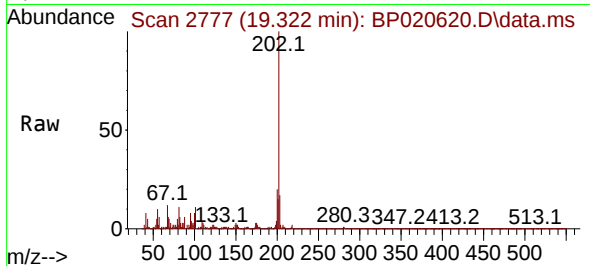
Tgt Ion:178 Resp: 189091
Ion Ratio Lower Upper
178 100
176 19.5 14.8 22.2
179 18.4 12.2 18.4#





#75
Fluoranthene
Concen: 18.610 ng
RT: 19.322 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP020620.D
Acq: 13 Jun 2024 21:03

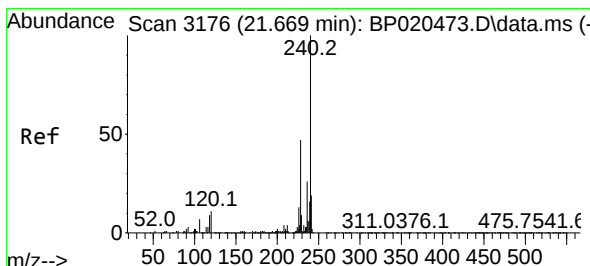
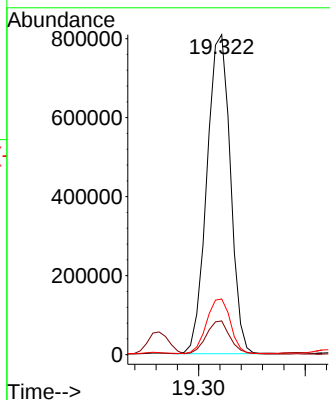
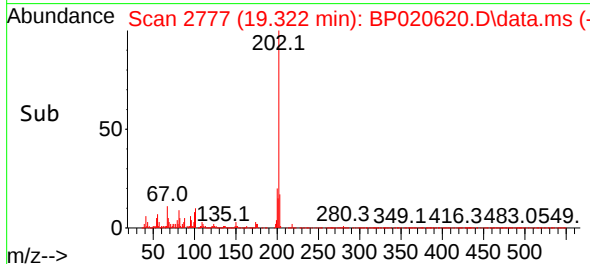
Instrument :
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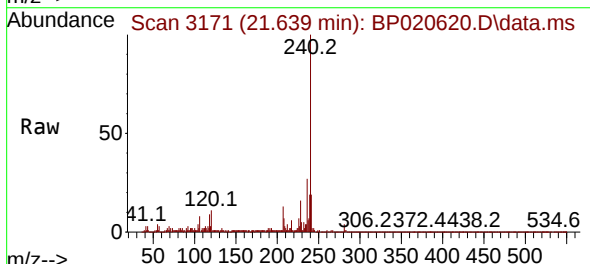
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Ion Ratio Lower Upper
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101 10.6 0.0 31.4
203 17.4 0.0 37.7

Manual Integrations
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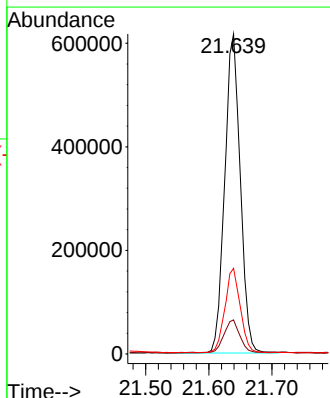
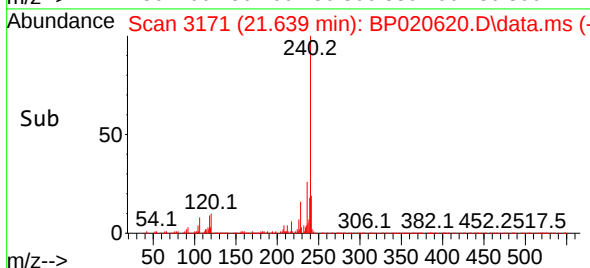
Reviewed By :Jagrut Upadhyay 06/14/2024
Supervised By :mohammad ahmed 06/15/2024

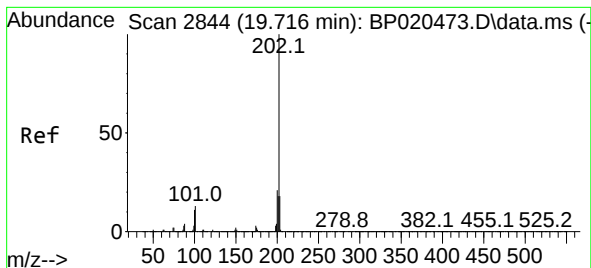


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.639 min Scan# 3171
Delta R.T. -0.029 min
Lab File: BP020620.D
Acq: 13 Jun 2024 21:03



Tgt Ion:240 Resp: 1053444
Ion Ratio Lower Upper
240 100
120 10.6 8.5 12.7
236 26.8 20.5 30.7





#78

Pyrene

Concen: 16.841 ng

RT: 19.698 min Scan# 21

Delta R.T. -0.018 min

Lab File: BP020620.D

Acq: 13 Jun 2024 21:03

Instrument :

BNA_P

ClientSampleId :

NB-07-06122024

Tgt Ion:202 Resp: 1334479

Ion Ratio Lower Upper

202 100

200 20.8 16.9 25.3

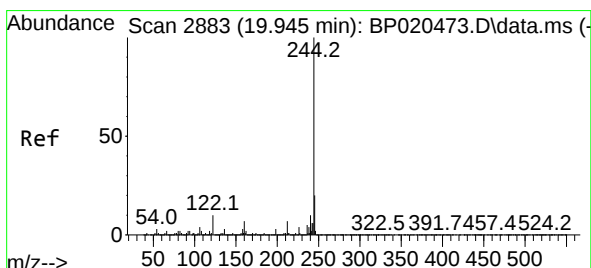
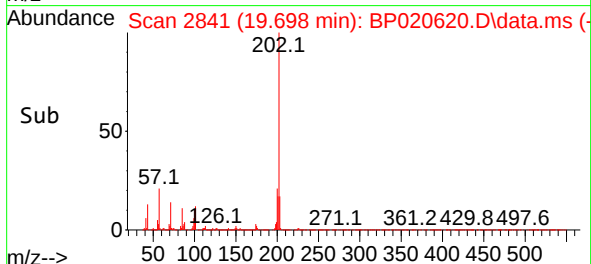
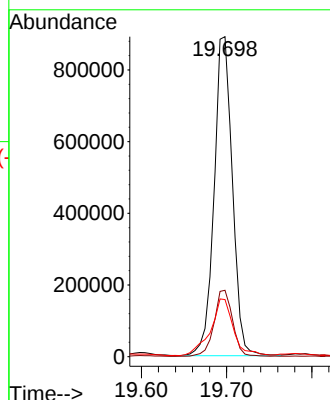
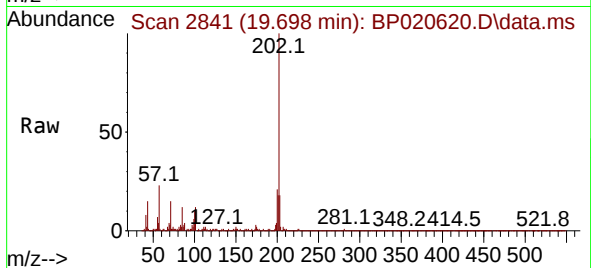
203 17.9 14.1 21.1

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/14/2024

Supervised By :mohammad ahmed 06/15/2024



#79

Terphenyl-d14

Concen: 28.708 ng

RT: 19.916 min Scan# 2878

Delta R.T. -0.029 min

Lab File: BP020620.D

Acq: 13 Jun 2024 21:03

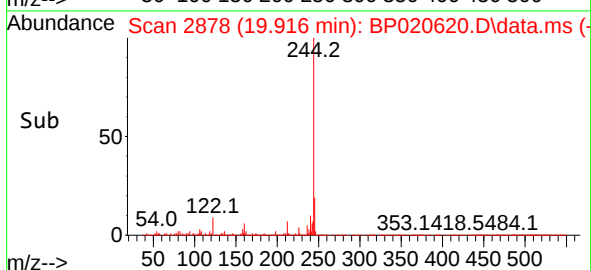
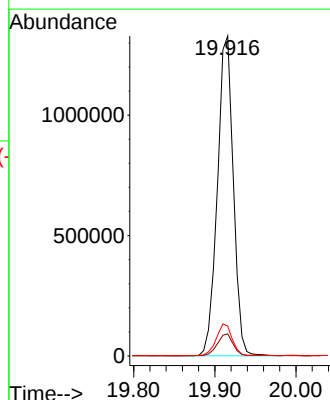
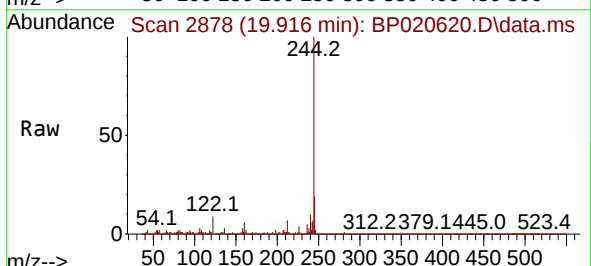
Tgt Ion:244 Resp: 1816625

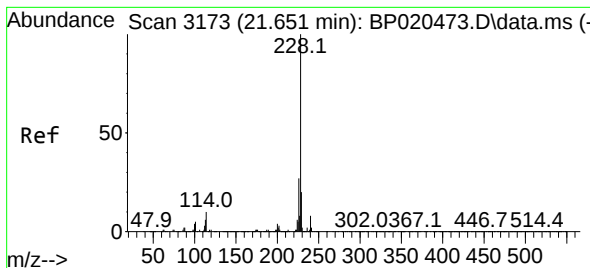
Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

122 9.4 8.2 12.2





#81

Benzo(a)anthracene

Concen: 10.593 ng

RT: 21.616 min Scan# 3179

Delta R.T. -0.035 min

Lab File: BP020620.D

Acq: 13 Jun 2024 21:03

Instrument :

BNA_P

ClientSampleId :

NB-07-06122024

Tgt Ion:228 Resp: 73479

Ion Ratio Lower Upper

228 100

226 29.8 21.7 32.5

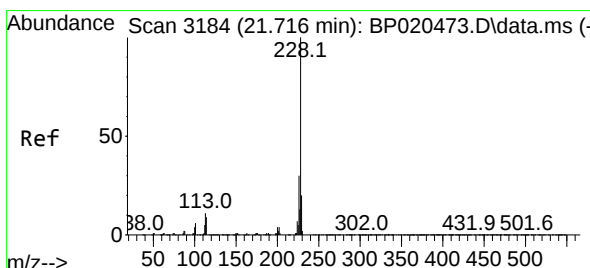
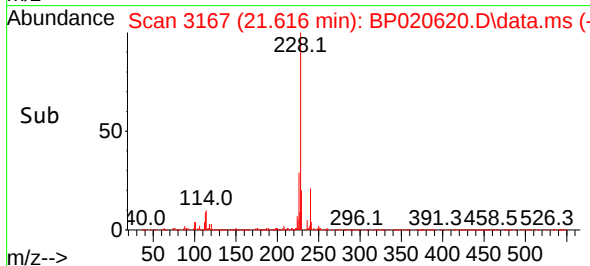
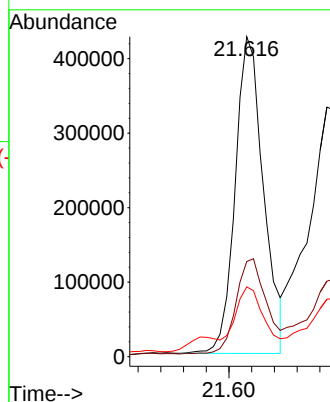
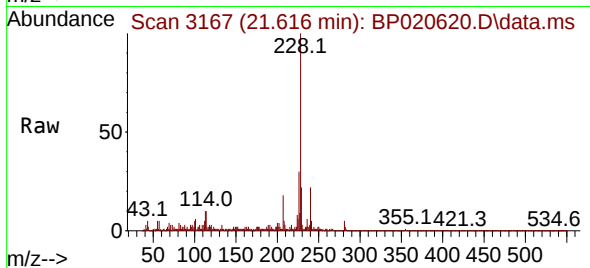
229 21.8 15.8 23.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/14/2024

Supervised By :mohammad ahmed 06/15/2024



#83

Chrysene

Concen: 11.236 ng

RT: 21.686 min Scan# 3179

Delta R.T. -0.029 min

Lab File: BP020620.D

Acq: 13 Jun 2024 21:03

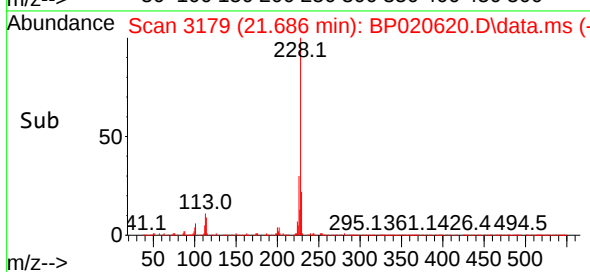
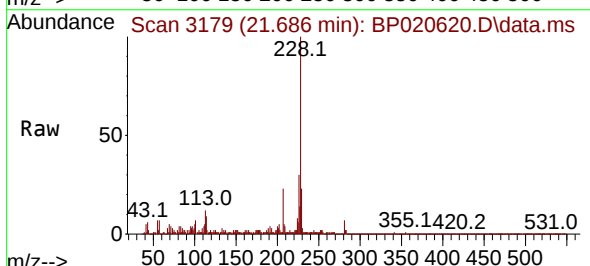
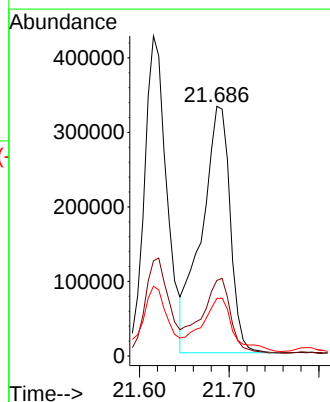
Tgt Ion:228 Resp: 734356

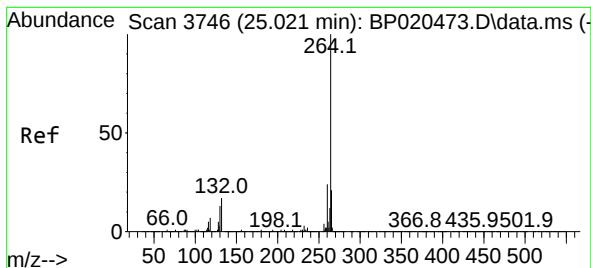
Ion Ratio Lower Upper

228 100

226 30.2 24.0 36.0

229 23.0 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.998 min Scan# 31

Delta R.T. -0.023 min

Lab File: BP020620.D

Acq: 13 Jun 2024 21:03

Instrument :

BNA_P

ClientSampleId :

NB-07-06122024

Tgt Ion:264 Resp: 124919

Ion Ratio Lower Upper

264 100

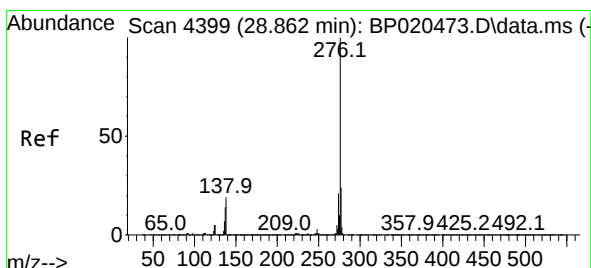
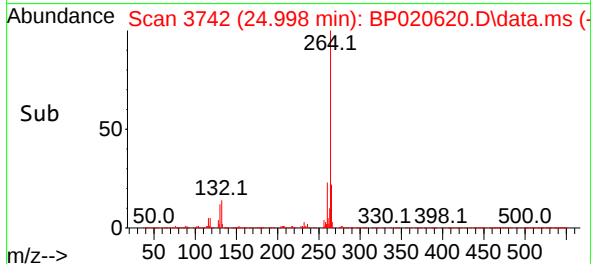
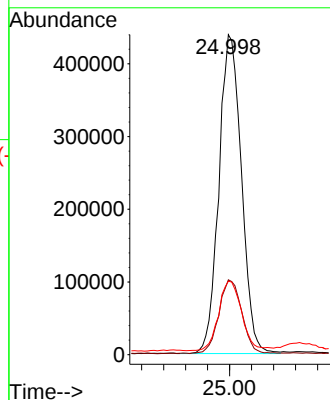
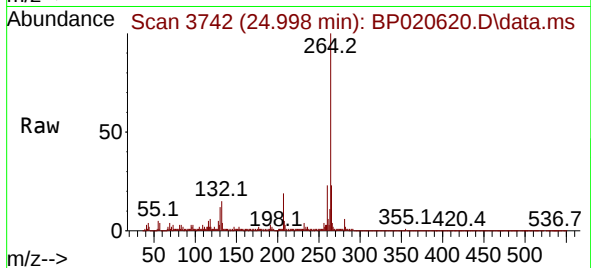
260 23.4 18.9 28.3

265 23.0 17.4 26.0

Manual Integrations

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Supervised By :mohammad ahmed 06/15/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 11.628 ng

RT: 28.833 min Scan# 4394

Delta R.T. -0.029 min

Lab File: BP020620.D

Acq: 13 Jun 2024 21:03

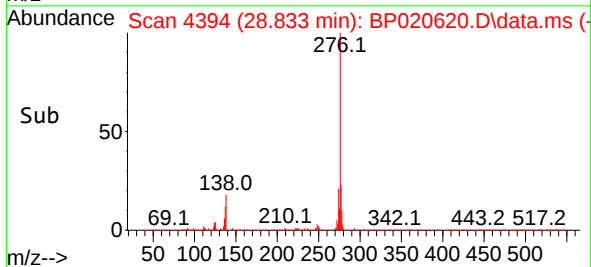
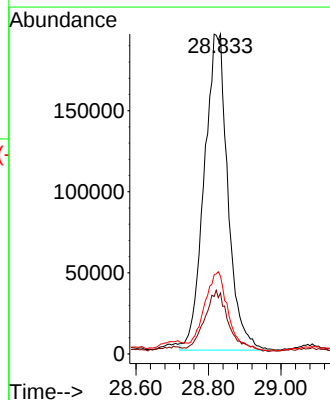
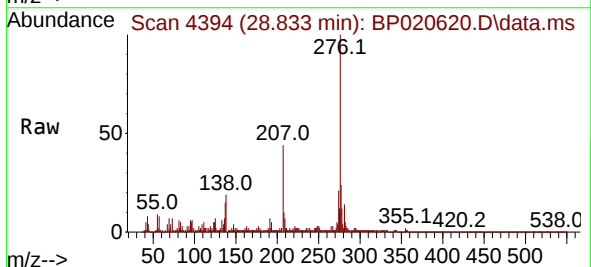
Tgt Ion:276 Resp: 883311

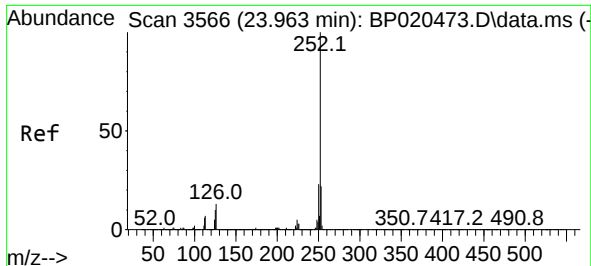
Ion Ratio Lower Upper

276 100

138 19.6 12.8 19.2#

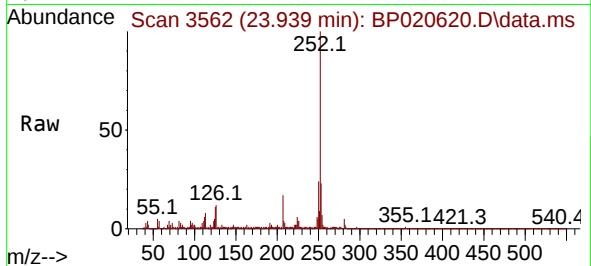
277 25.0 15.6 23.4#





#88
Benzo(b)fluoranthene
Concen: 18.613 ng
RT: 23.939 min Scan# 3562
Delta R.T. -0.023 min
Lab File: BP020620.D
Acq: 13 Jun 2024 21:03

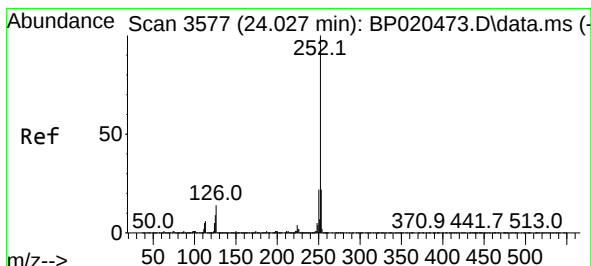
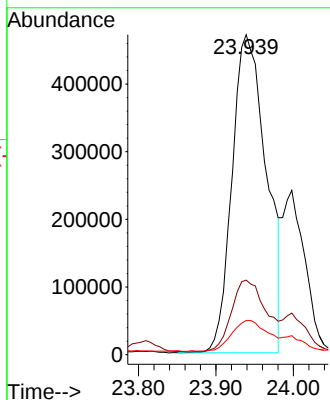
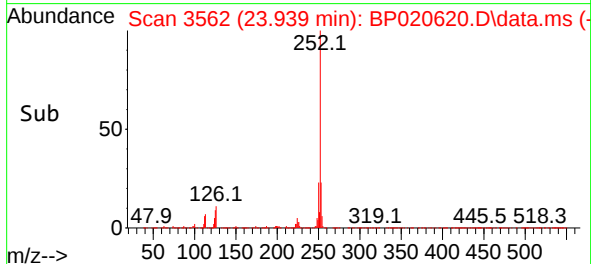
Instrument :
BNA_P
ClientSampleId :
NB-07-06122024



Tgt Ion:252 Resp: 144849
Ion Ratio Lower Upper
252 100
253 23.3 17.6 26.4
125 10.7 8.0 12.0

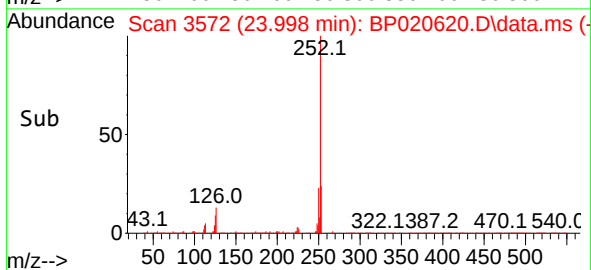
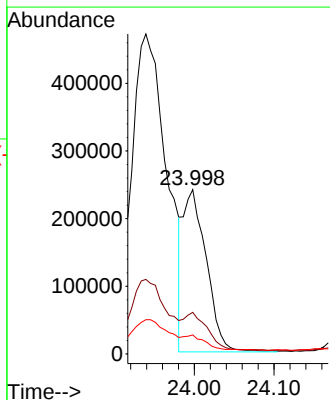
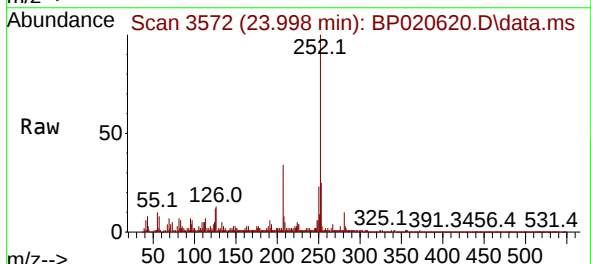
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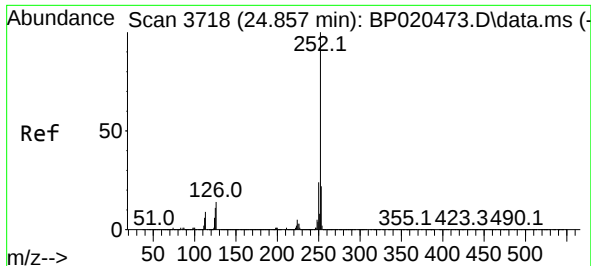
Reviewed By :Jagrut Upadhyay 06/14/2024
Supervised By :mohammad ahmed 06/15/2024



#89
Benzo(k)fluoranthene
Concen: 6.416 ng m
RT: 23.998 min Scan# 3572
Delta R.T. -0.029 min
Lab File: BP020620.D
Acq: 13 Jun 2024 21:03

Tgt Ion:252 Resp: 486959
Ion Ratio Lower Upper
252 100
253 25.3 17.7 26.5
125 11.6 7.8 11.6





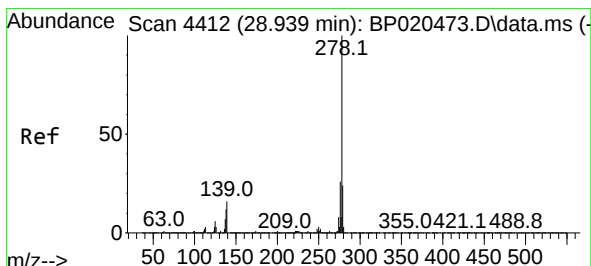
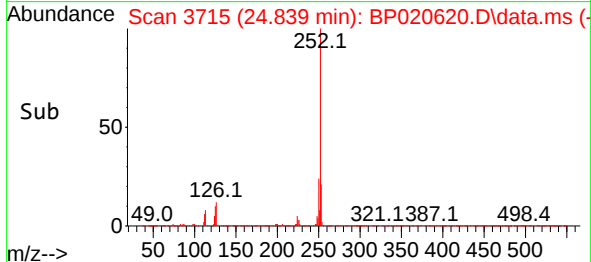
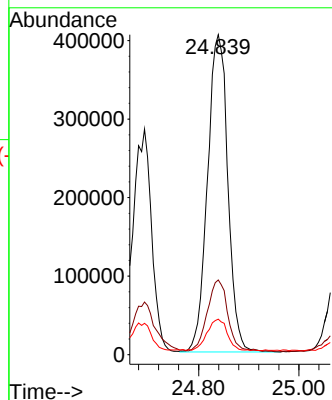
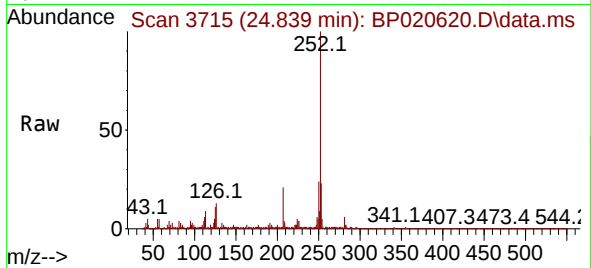
#90
Benzo(a)pyrene
Concen: 17.668 ng
RT: 24.839 min Scan# 31
Delta R.T. -0.018 min
Lab File: BP020620.D
Acq: 13 Jun 2024 21:03

Instrument :
BNA_P
ClientSampleId :
NB-07-06122024

Tgt Ion:252 Resp: 113872
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.2
125 11.1 8.9 13.3

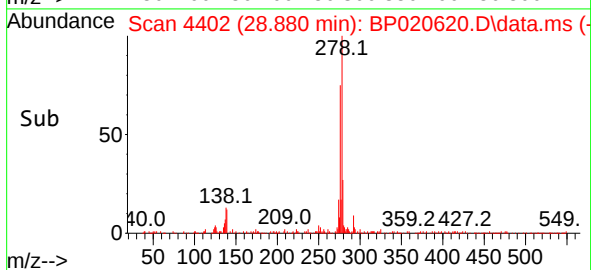
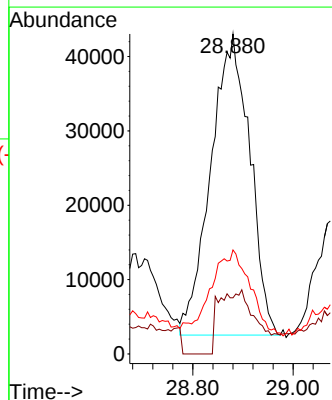
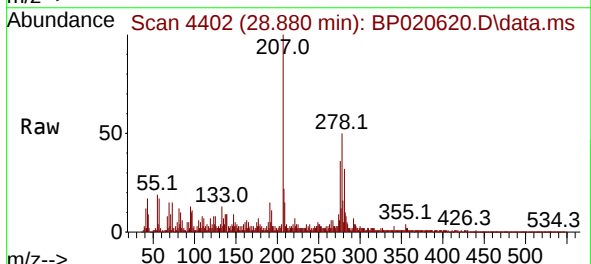
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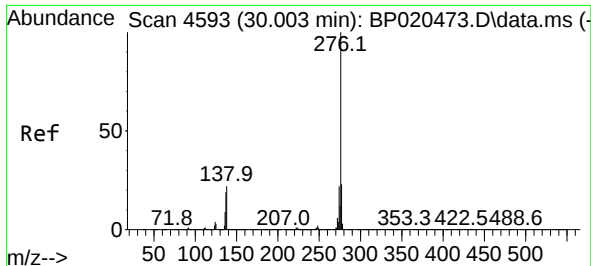
Reviewed By :Jagrut Upadhyay 06/14/2024
Supervised By :mohammad ahmed 06/15/2024



#91
Dibenzo(a,h)anthracene
Concen: 3.456 ng
RT: 28.880 min Scan# 4402
Delta R.T. -0.059 min
Lab File: BP020620.D
Acq: 13 Jun 2024 21:03

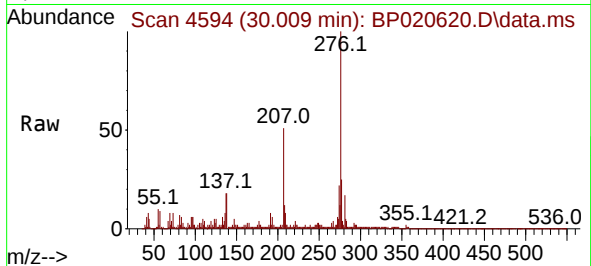
Tgt Ion:278 Resp: 218983
Ion Ratio Lower Upper
278 100
139 17.5 13.0 19.4
279 32.5 19.2 28.8#





#92
Benzo(g,h,i)perylene
Concen: 14.902 ng
RT: 30.009 min Scan# 4594
Delta R.T. 0.006 min
Lab File: BP020620.D
Acq: 13 Jun 2024 21:03

Instrument :
BNA_P
ClientSampleId :
NB-07-06122024



Tgt Ion:276 Resp: 943745
Ion Ratio Lower Upper
276 100
277 24.8 18.7 28.1
138 18.4 17.7 26.5

Manual Integrations
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Reviewed By :Jagrut Upadhyay 06/14/2024
Supervised By :mohammad ahmed 06/15/2024

