

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060424\
 Data File : BP020504.D
 Acq On : 04 Jun 2024 20:26
 Operator : MA/JU
 Sample : P2687-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 VNJ-223

Manual Integrations
 APPROVED

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

Quant Time: Jun 05 01:24:35 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	7.763	152	279472	20.000	ng	0.00
21) Naphthalene-d8	10.534	136	1114048	20.000	ng	0.00
39) Acenaphthene-d10	14.387	164	685400	20.000	ng	0.00
64) Phenanthrene-d10	17.192	188	1458619	20.000	ng	-0.01
76) Chrysene-d12	21.651	240	1326337	20.000	ng	-0.02
86) Perylene-d12	24.998	264	1547338	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	2197289	140.770	ng	0.00
7) Phenol-d6	6.934	99	2927254	132.981	ng	0.00
23) Nitrobenzene-d5	8.911	82	1817966	89.328	ng	-0.01
42) 2,4,6-Tribromophenol	15.904	330	1129612	158.807	ng	0.00
45) 2-Fluorobiphenyl	12.999	172	4206691	91.494	ng	0.00
79) Terphenyl-d14	19.928	244	6716441	84.300	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	17.239	178	1512397	21.093	ng	99
72) Anthracene	17.328	178	199763	2.839	ng	100
73) Carbazole	17.604	167	136740	2.009	ng	99
75) Fluoranthene	19.328	202	3176711	37.450	ng	100
78) Pyrene	19.704	202	2748890	27.554	ng	100
81) Benzo(a)anthracene	21.633	228	1311908	15.022	ng	98
83) Chrysene	21.698	228	1454681	17.677	ng	97
87) Indeno(1,2,3-cd)pyrene	28.804	276	866727	9.211	ng	# 88
88) Benzo(b)fluoranthene	23.945	252	1864246	19.339	ng	99
89) Benzo(k)fluoranthene	24.010	252	677532m	7.206	ng	
90) Benzo(a)pyrene	24.839	252	1241234	15.548	ng	99
91) Dibenzo(a,h)anthracene	28.898	278	209795	2.673	ng	98
92) Benzo(g,h,i)perylene	29.962	276	798929	10.184	ng	96

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

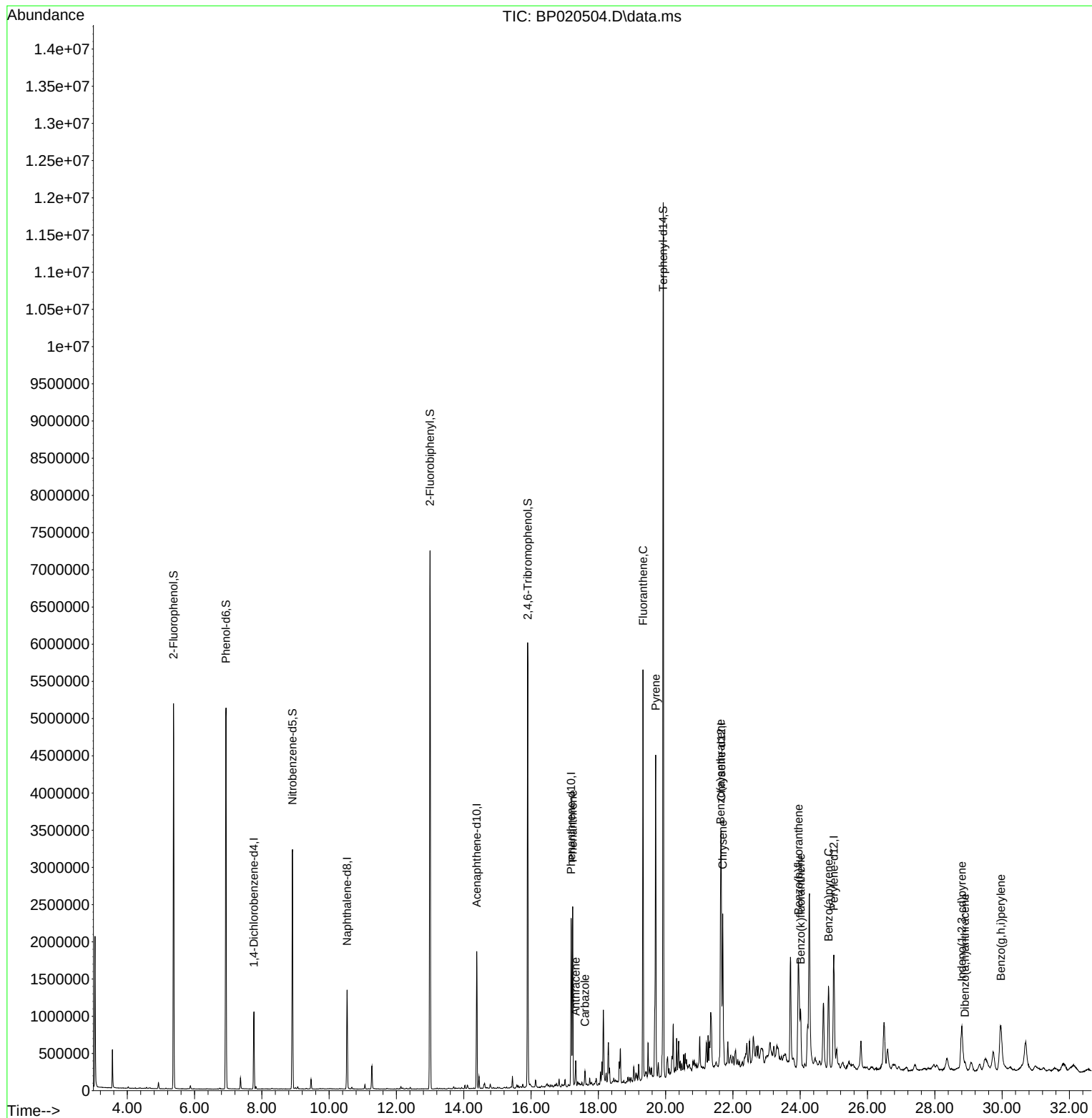
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060424\
Data File : BP020504.D
Acq On : 04 Jun 2024 20:26
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ALS Vial : 12 Sample Multiplier: 1

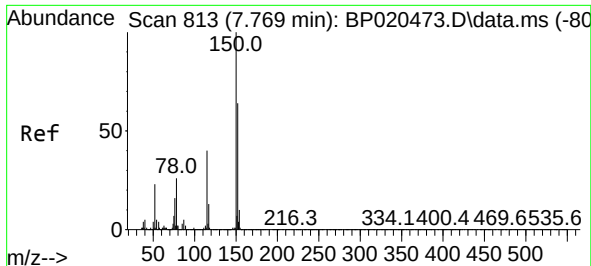
Instrument :
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Quant Time: Jun 05 01:24:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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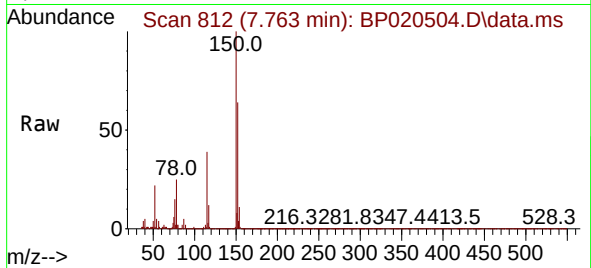
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/06/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 813
Delta R.T. -0.006 min
Lab File: BP020504.D
Acq: 04 Jun 2024 20:26

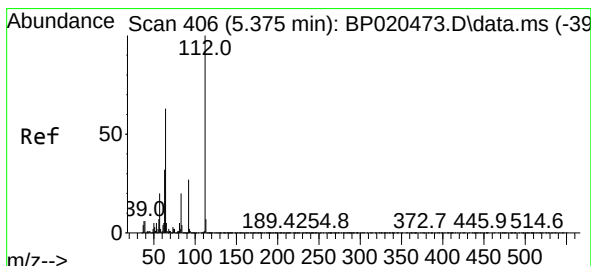
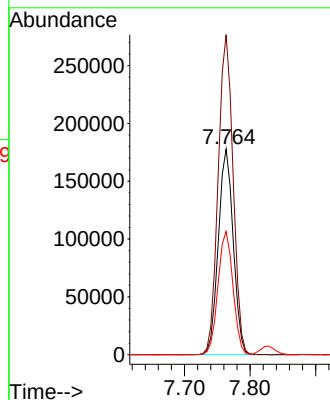
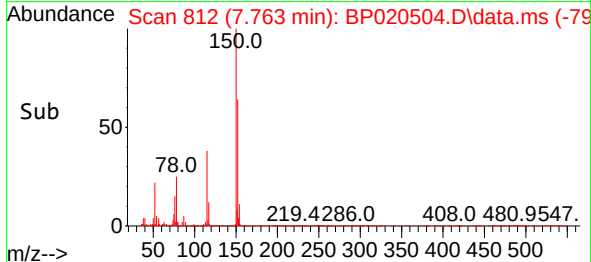
Instrument :
BNA_P
ClientSampleId :
VNJ-223



Tgt Ion:152 Resp: 279472
Ion Ratio Lower Upper
152 100
150 155.7 124.2 186.2
115 59.9 49.5 74.3

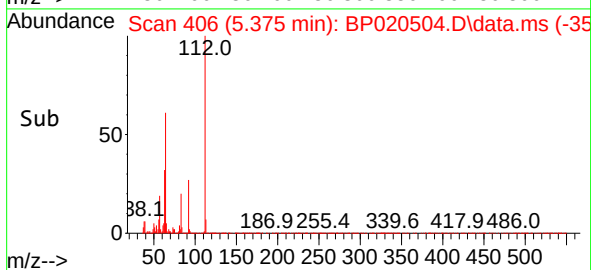
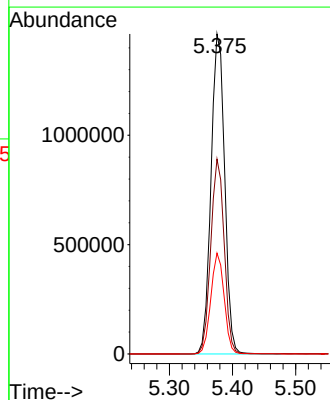
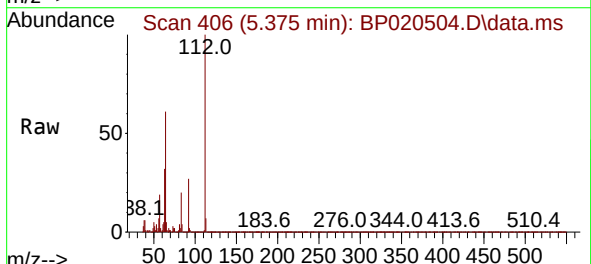
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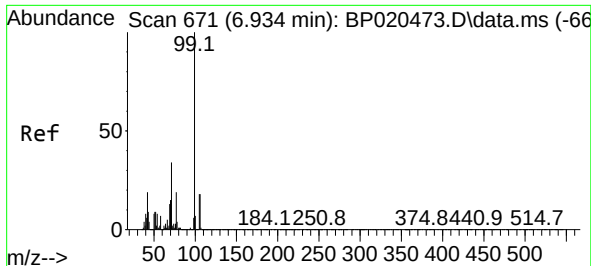
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/06/2024



#5
2-Fluorophenol
Concen: 140.770 ng
RT: 5.375 min Scan# 406
Delta R.T. 0.000 min
Lab File: BP020504.D
Acq: 04 Jun 2024 20:26

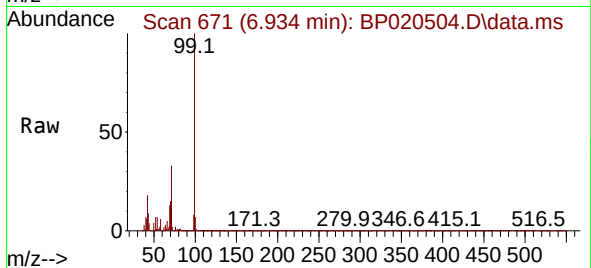
Tgt Ion:112 Resp: 2197289
Ion Ratio Lower Upper
112 100
64 60.9 50.1 75.1
63 31.5 25.7 38.5





#7
Phenol-d6
Concen: 132.981 ng
RT: 6.934 min Scan# 671
Delta R.T. 0.000 min
Lab File: BP020504.D
Acq: 04 Jun 2024 20:26

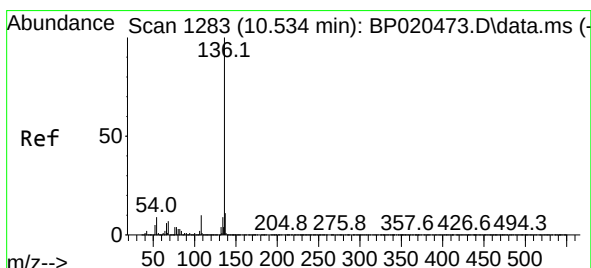
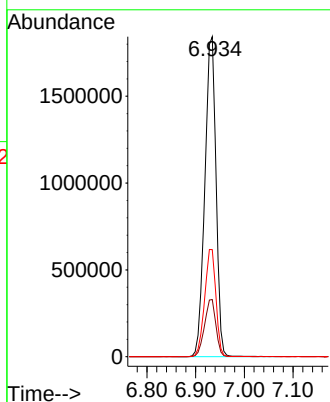
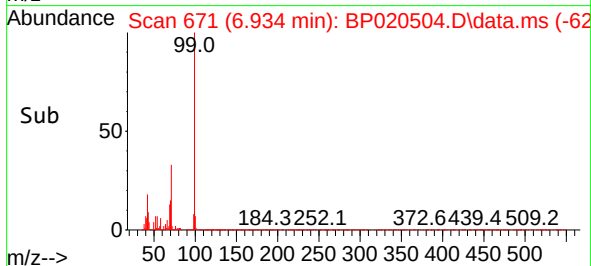
Instrument :
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ClientSampleId :
VNJ-223



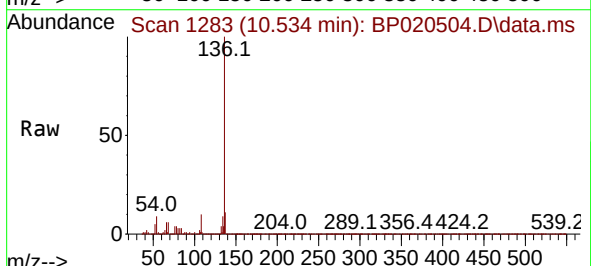
Tgt Ion: 99 Resp: 2927254
Ion Ratio Lower Upper
99 100
42 17.9 15.0 22.4
71 33.5 27.3 40.9

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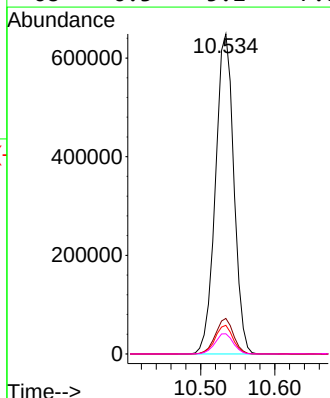
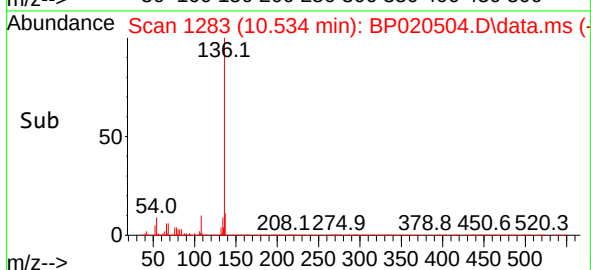
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/06/2024

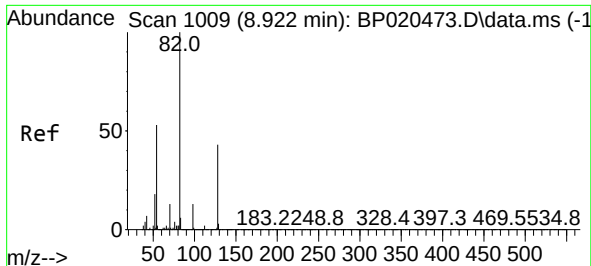


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.534 min Scan# 1283
Delta R.T. 0.000 min
Lab File: BP020504.D
Acq: 04 Jun 2024 20:26



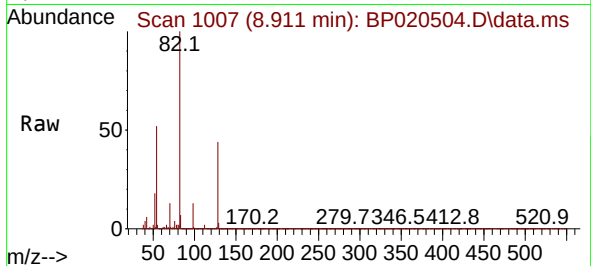
Tgt Ion:136 Resp: 1114048
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 9.0 7.4 11.0
68 6.3 5.2 7.8





#23
Nitrobenzene-d5
Concen: 89.328 ng
RT: 8.911 min Scan# 1007
Delta R.T. -0.012 min
Lab File: BP020504.D
Acq: 04 Jun 2024 20:26

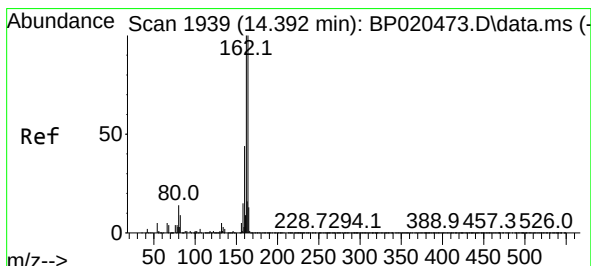
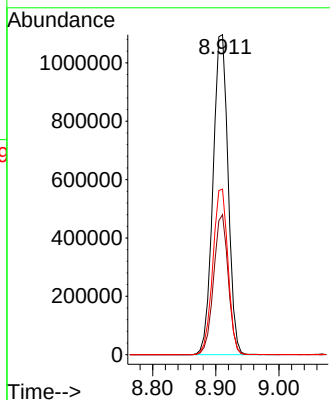
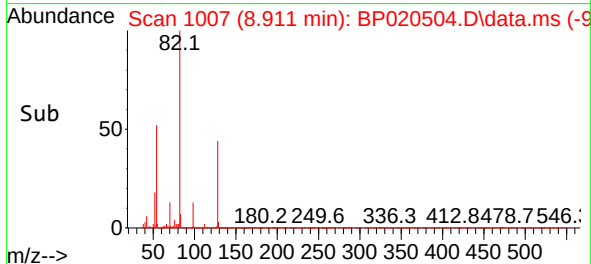
Instrument :
BNA_P
ClientSampleId :
VNJ-223



Tgt Ion: 82 Resp: 1817960
Ion Ratio Lower Upper
82 100
128 43.7 34.2 51.4
54 51.7 42.7 64.1

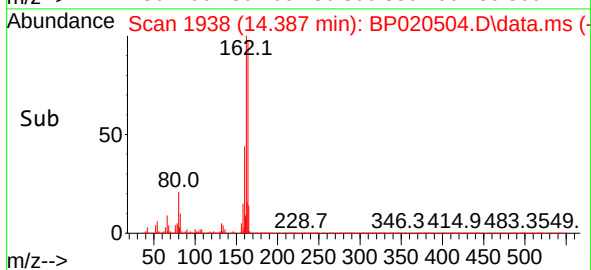
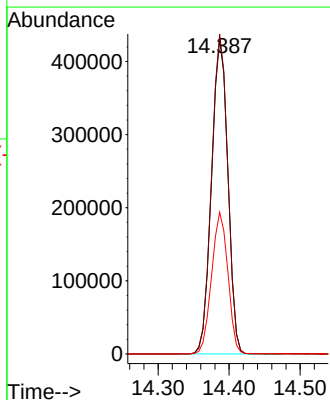
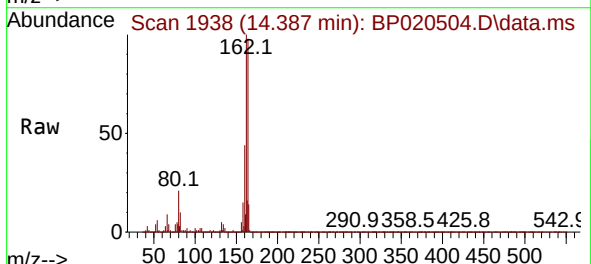
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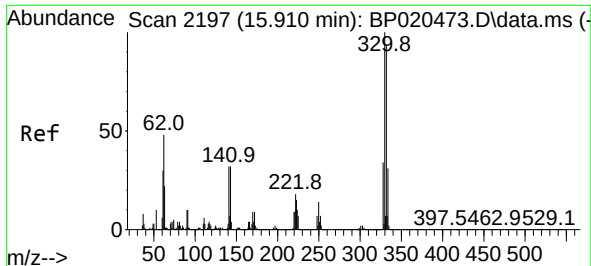
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/06/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.387 min Scan# 1938
Delta R.T. -0.005 min
Lab File: BP020504.D
Acq: 04 Jun 2024 20:26

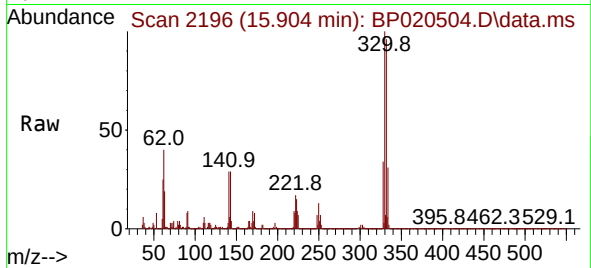
Tgt Ion:164 Resp: 685400
Ion Ratio Lower Upper
164 100
162 101.8 80.3 120.5
160 45.1 35.4 53.2





#42
2,4,6-Tribromophenol
Concen: 158.807 ng
RT: 15.904 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BP020504.D
Acq: 04 Jun 2024 20:26

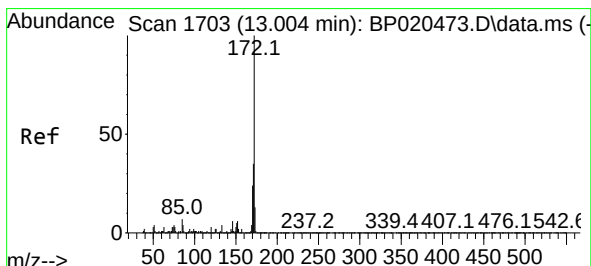
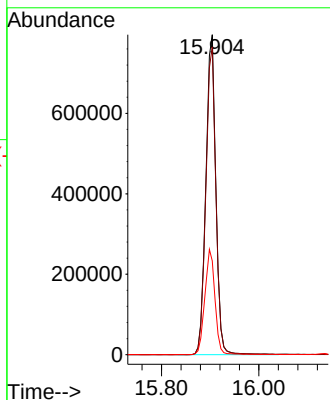
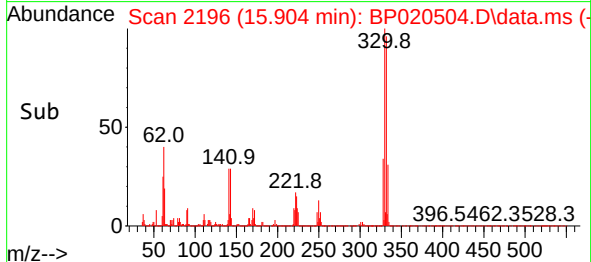
Instrument :
BNA_P
ClientSampleId :
VNJ-223



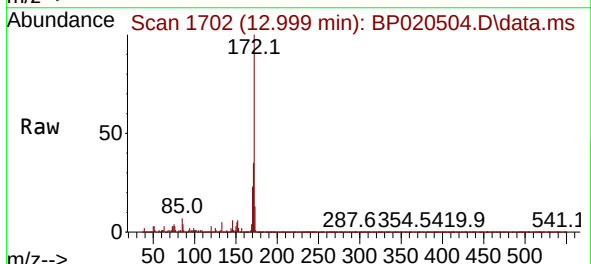
Tgt Ion:330 Resp: 112961
Ion Ratio Lower Upper
330 100
332 96.2 76.6 114.8
141 33.4 27.1 40.7

Manual Integrations
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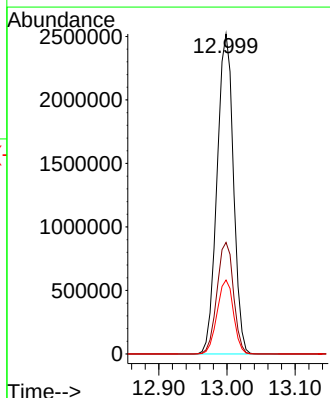
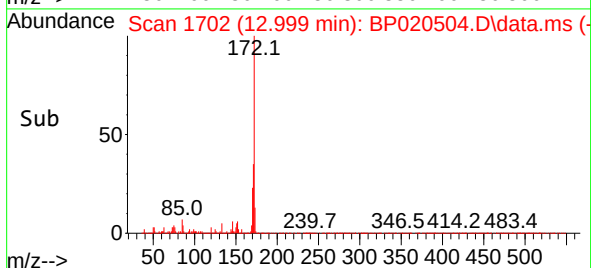
Reviewed By :Jagrut Upadhyay 06/05/2024
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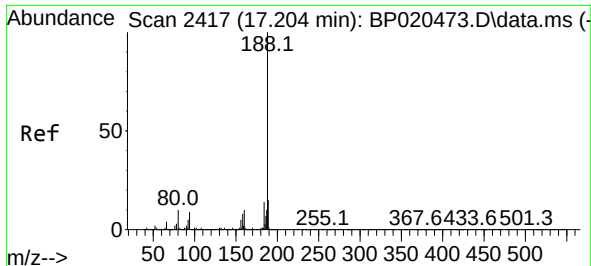


#45
2-Fluorobiphenyl
Concen: 91.494 ng
RT: 12.999 min Scan# 1702
Delta R.T. -0.006 min
Lab File: BP020504.D
Acq: 04 Jun 2024 20:26



Tgt Ion:172 Resp: 4206691
Ion Ratio Lower Upper
172 100
171 34.9 28.4 42.6
170 23.1 18.9 28.3





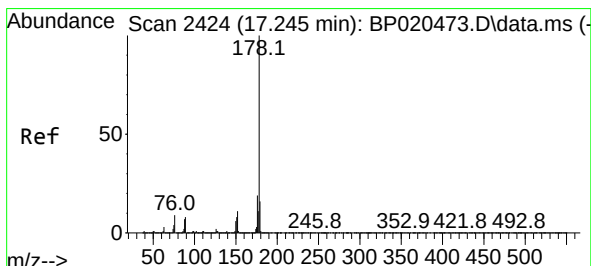
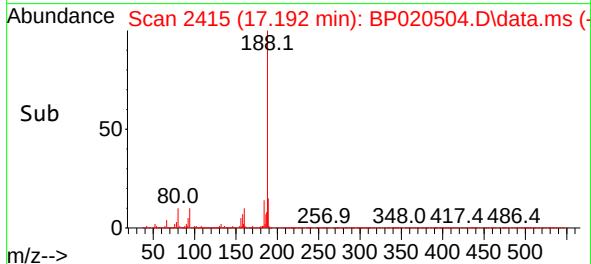
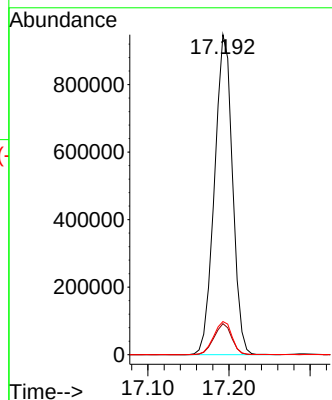
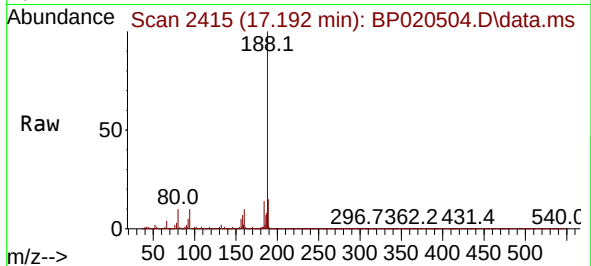
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.192 min Scan# 2415
Delta R.T. -0.012 min
Lab File: BP020504.D
Acq: 04 Jun 2024 20:26

Instrument :
BNA_P
ClientSampleId :
VNJ-223

Tgt Ion:188 Resp: 1458619
Ion Ratio Lower Upper
188 100
94 9.7 7.2 10.8
80 10.4 8.1 12.1

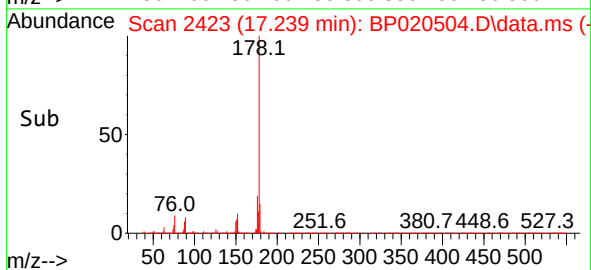
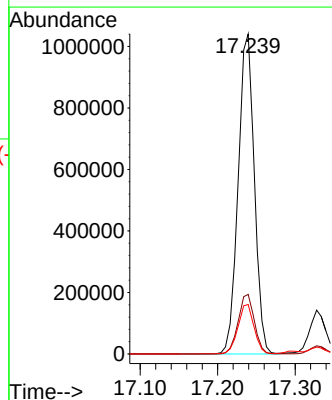
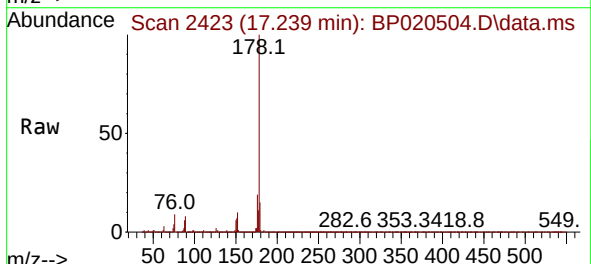
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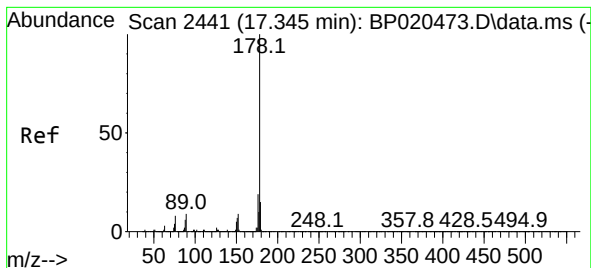
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/06/2024



#71
Phenanthrene
Concen: 21.093 ng
RT: 17.239 min Scan# 2423
Delta R.T. -0.006 min
Lab File: BP020504.D
Acq: 04 Jun 2024 20:26

Tgt Ion:178 Resp: 1512397
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.2
179 15.4 12.5 18.7





#72

Anthracene

Concen: 2.839 ng

RT: 17.328 min Scan# 2441

Delta R.T. -0.018 min

Lab File: BP020504.D

Acq: 04 Jun 2024 20:26

Instrument :

BNA_P

ClientSampleId :

VNJ-223

Tgt Ion:178 Resp: 19976

Ion Ratio Lower Upper

178 100

176 18.4 14.8 22.2

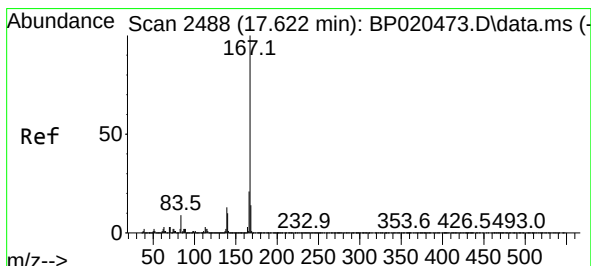
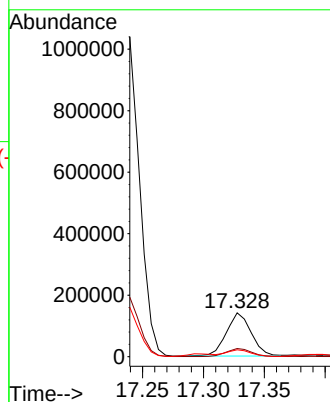
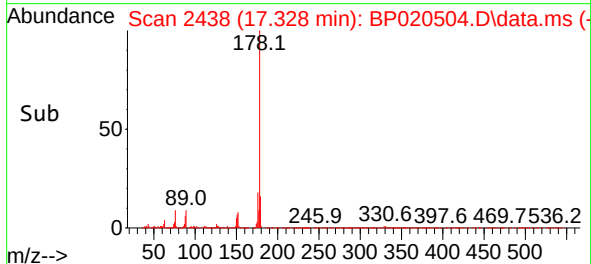
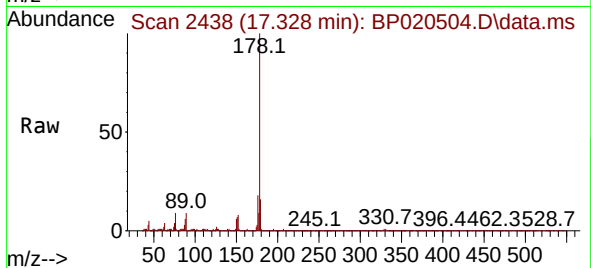
179 15.6 12.2 18.4

Manual Integrations

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Supervised By :mohammad ahmed 06/06/2024



#73

Carbazole

Concen: 2.009 ng

RT: 17.604 min Scan# 2485

Delta R.T. -0.018 min

Lab File: BP020504.D

Acq: 04 Jun 2024 20:26

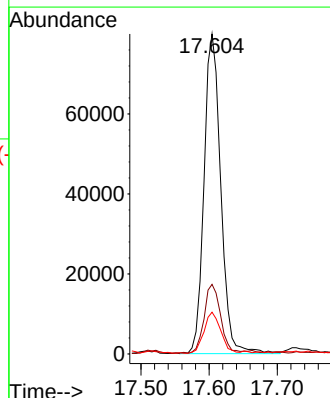
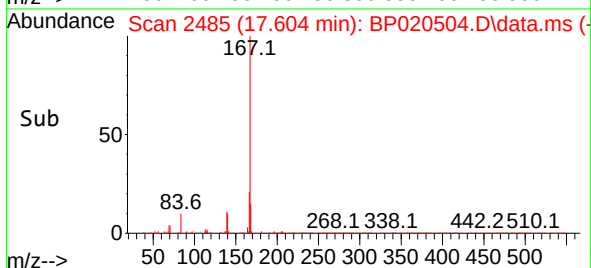
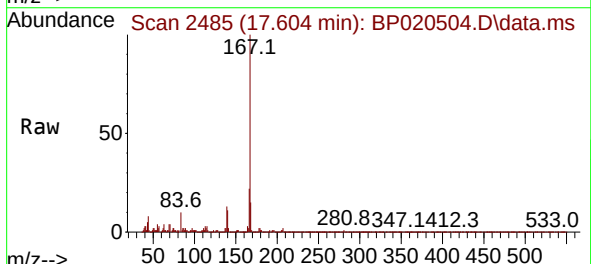
Tgt Ion:167 Resp: 136740

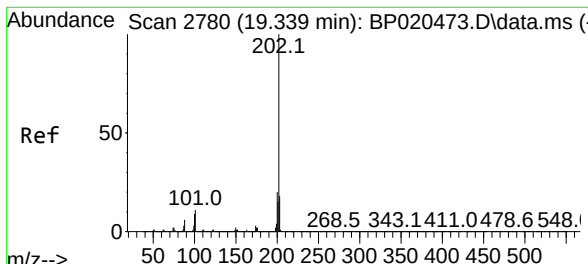
Ion Ratio Lower Upper

167 100

166 21.8 17.1 25.7

139 13.1 10.5 15.7



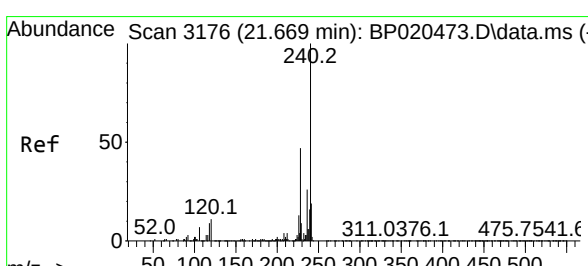
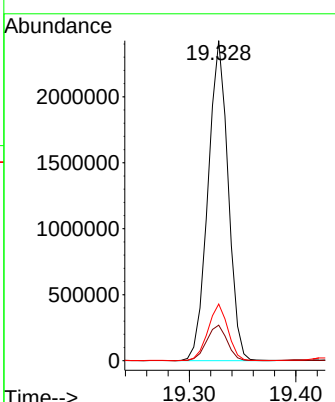
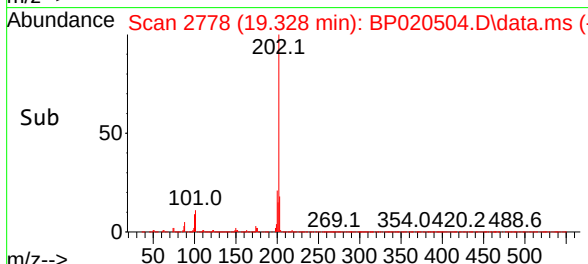
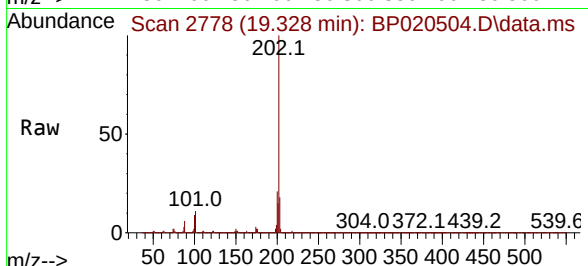


#75
 Fluoranthene
 Concen: 37.450 ng
 RT: 19.328 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BP020504.D
 Acq: 04 Jun 2024 20:26

Instrument : BNA_P
 ClientSampleId : VNJ-223

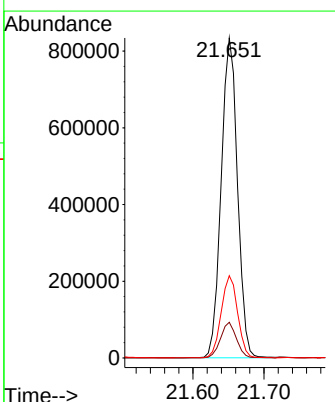
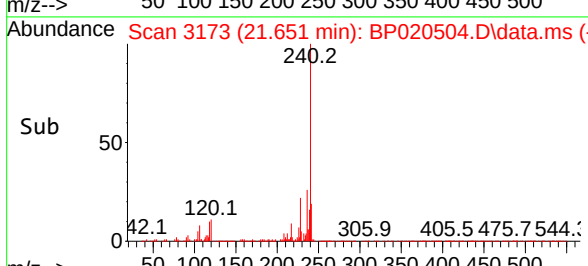
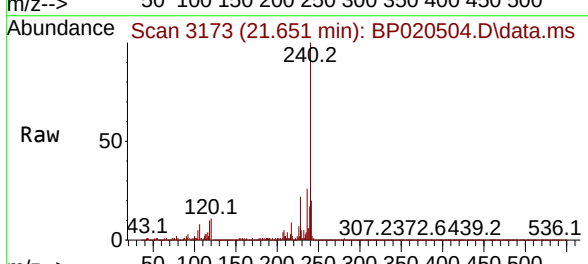
Tgt Ion:	202	Resp:	317671
Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	31.4
203	17.7	0.0	37.7

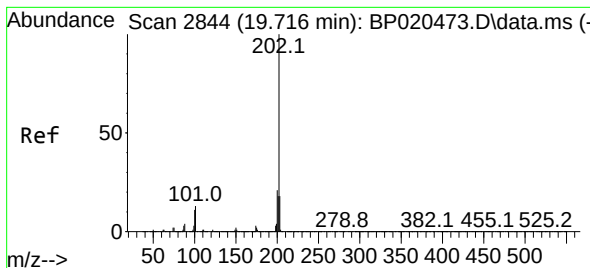
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 Reviewed By :Jagrut Upadhyay 06/05/2024
 Supervised By :mohammad ahmed 06/06/2024



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.651 min Scan# 3173
 Delta R.T. -0.018 min
 Lab File: BP020504.D
 Acq: 04 Jun 2024 20:26

Tgt Ion:	240	Resp:	1326337
Ion	Ratio	Lower	Upper
240	100		
120	11.2	8.5	12.7
236	25.7	20.5	30.7





#78

Pyrene

Concen: 27.554 ng

RT: 19.704 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP020504.D

Acq: 04 Jun 2024 20:26

Instrument :

BNA_P

ClientSampleId :

VNJ-223

Tgt Ion:202 Resp: 2748890

Ion Ratio Lower Upper

202 100

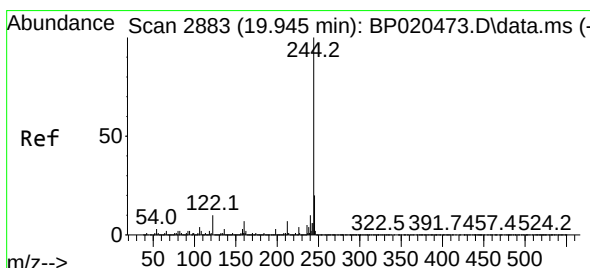
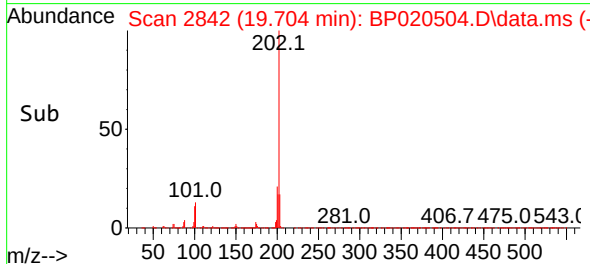
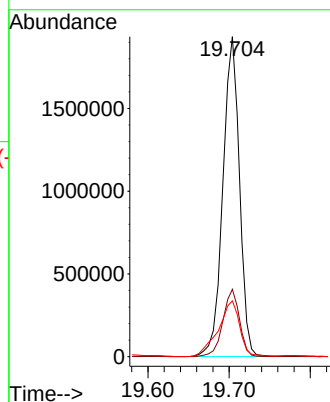
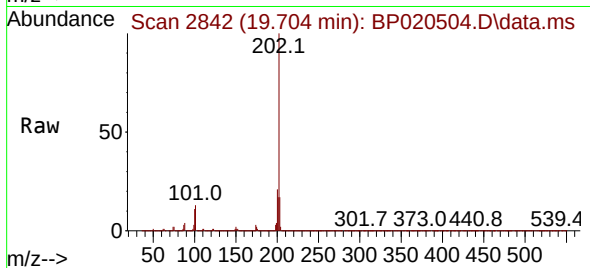
200 21.1 16.9 25.3

203 17.4 14.1 21.1

Manual Integrations

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



#79

Terphenyl-d14

Concen: 84.300 ng

RT: 19.928 min Scan# 2880

Delta R.T. -0.017 min

Lab File: BP020504.D

Acq: 04 Jun 2024 20:26

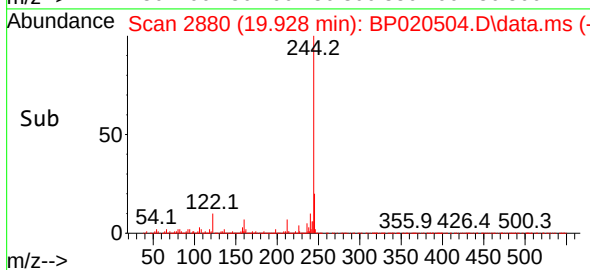
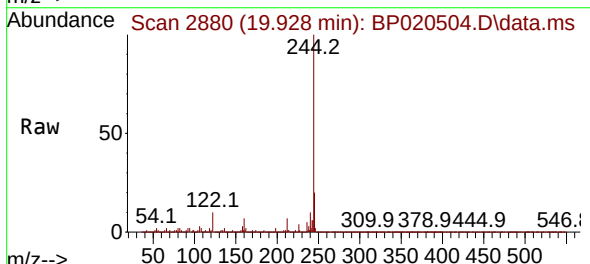
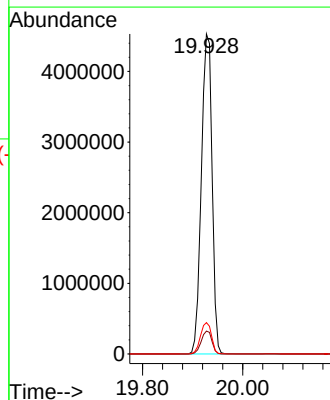
Tgt Ion:244 Resp: 6716441

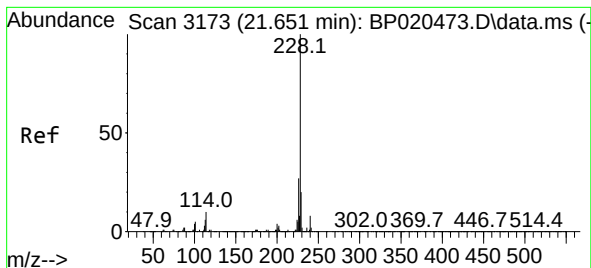
Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

122 9.8 8.2 12.2





#81

Benzo(a)anthracene

Concen: 15.022 ng

RT: 21.633 min Scan# 3170

Delta R.T. -0.018 min

Lab File: BP020504.D

Acq: 04 Jun 2024 20:26

Instrument :

BNA_P

ClientSampleId :

VNJ-223

Tgt Ion:228 Resp: 1311908

Ion Ratio Lower Upper

228 100

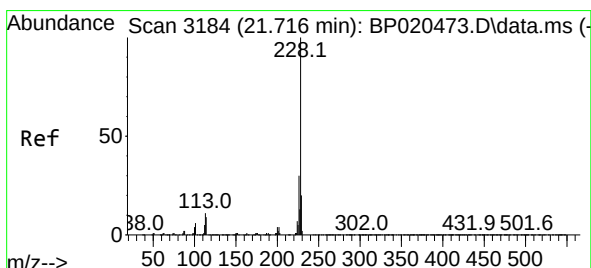
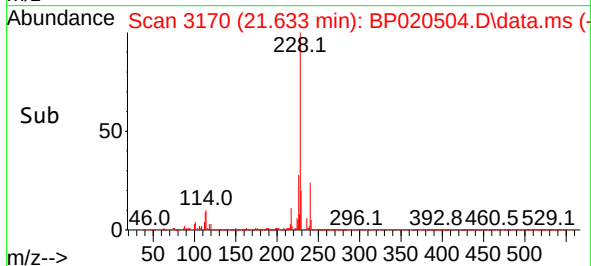
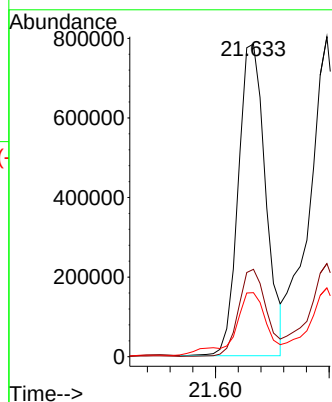
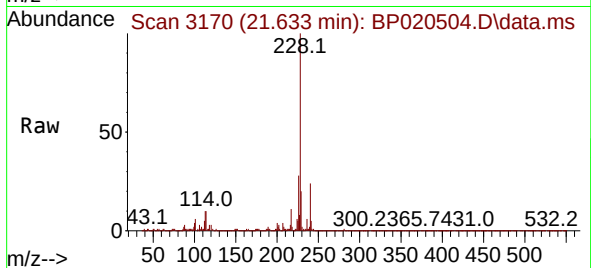
226 27.9 21.7 32.5

229 20.5 15.8 23.6

Manual Integrations

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



#83

Chrysene

Concen: 17.677 ng

RT: 21.698 min Scan# 3181

Delta R.T. -0.018 min

Lab File: BP020504.D

Acq: 04 Jun 2024 20:26

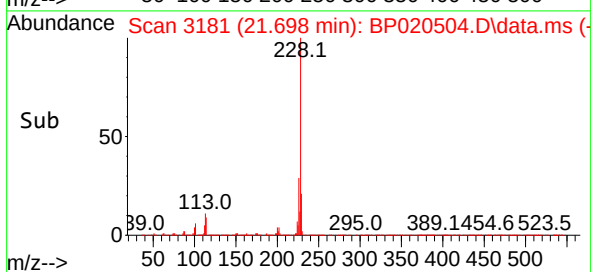
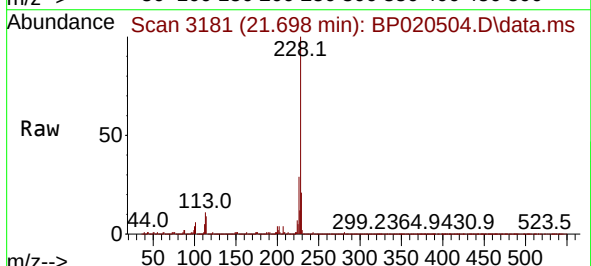
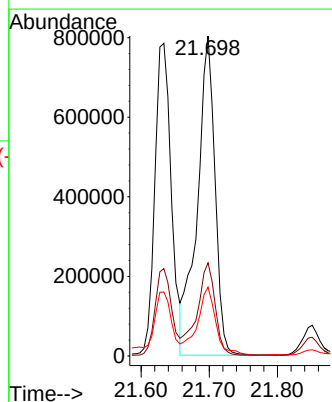
Tgt Ion:228 Resp: 1454681

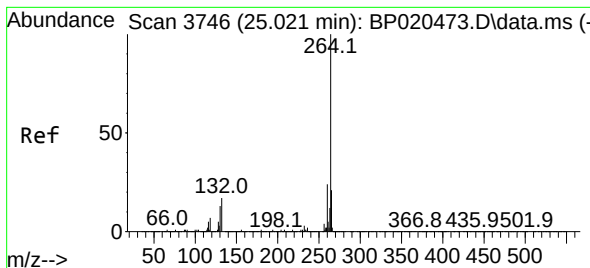
Ion Ratio Lower Upper

228 100

226 29.1 24.0 36.0

229 21.5 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: BP020504.D

Acq: 04 Jun 2024 20:26

Instrument :

BNA_P

ClientSampleId :

VNJ-223

Tgt Ion:264 Resp: 1547338

Ion Ratio Lower Upper

264 100

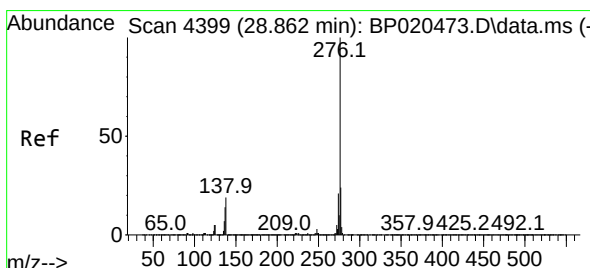
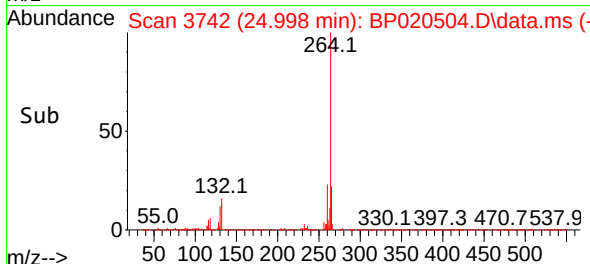
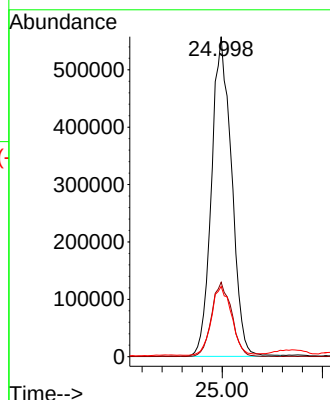
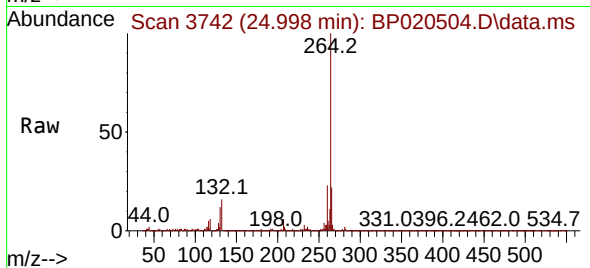
260 23.2 18.9 28.3

265 22.0 17.4 26.0

Manual Integrations

APPROVED

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



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.211 ng

RT: 28.804 min Scan# 4389

Delta R.T. -0.059 min

Lab File: BP020504.D

Acq: 04 Jun 2024 20:26

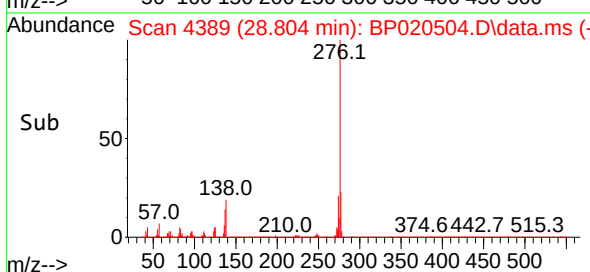
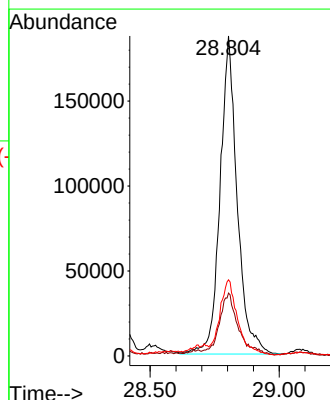
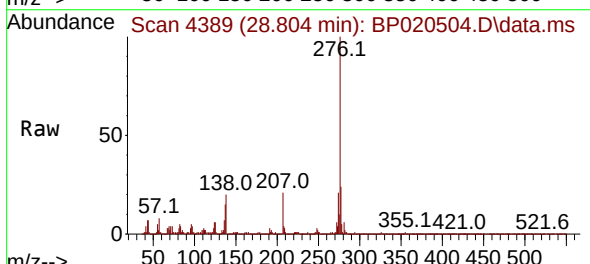
Tgt Ion:276 Resp: 866727

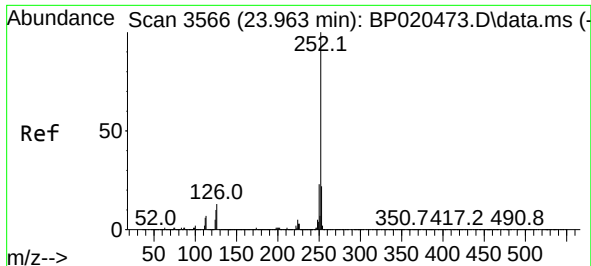
Ion Ratio Lower Upper

276 100

138 21.4 12.8 19.2#

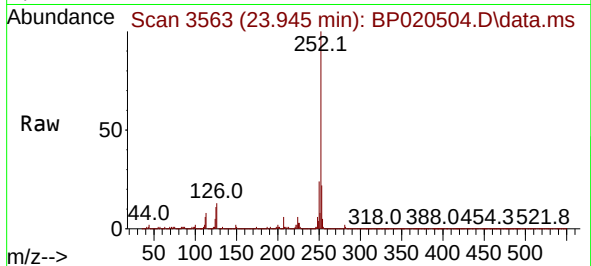
277 24.5 15.6 23.4#





#88
Benzo(b)fluoranthene
Concen: 19.339 ng
RT: 23.945 min Scan# 3566
Delta R.T. -0.018 min
Lab File: BP020504.D
Acq: 04 Jun 2024 20:26

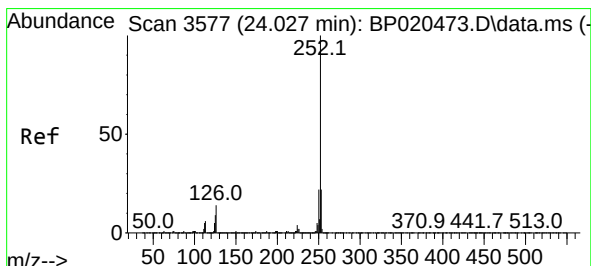
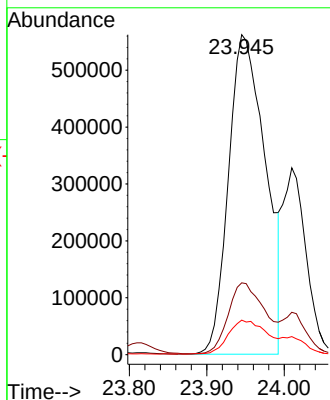
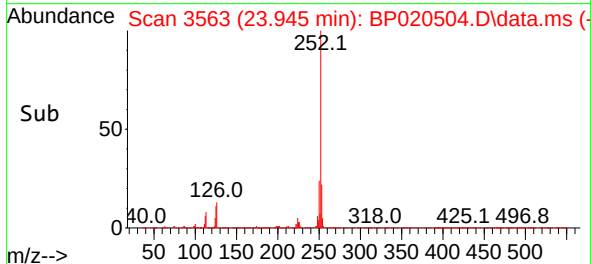
Instrument :
BNA_P
ClientSampleId :
VNJ-223



Tgt Ion:252 Resp: 1864240
Ion Ratio Lower Upper
252 100
253 22.5 17.6 26.4
125 10.8 8.0 12.0

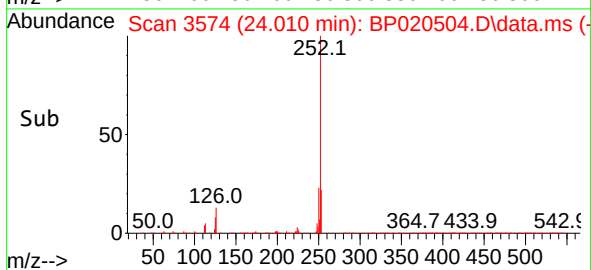
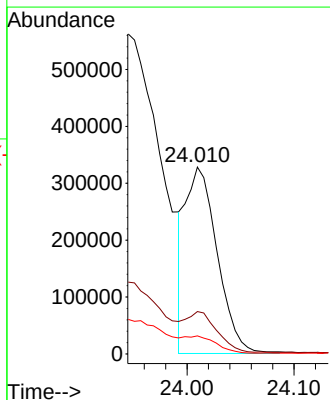
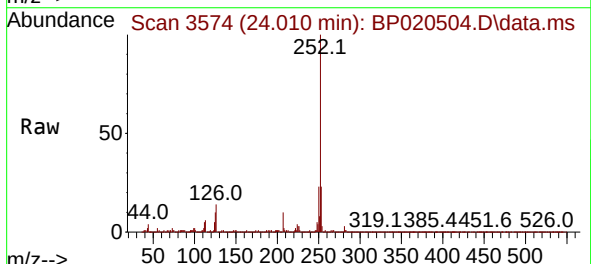
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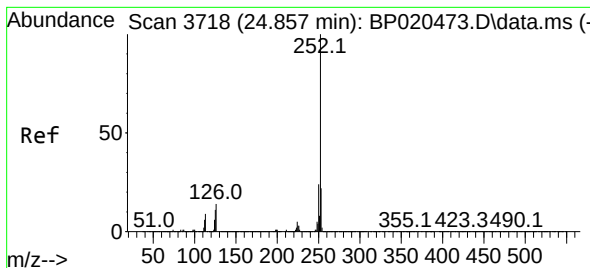
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/06/2024



#89
Benzo(k)fluoranthene
Concen: 7.206 ng m
RT: 24.010 min Scan# 3574
Delta R.T. -0.018 min
Lab File: BP020504.D
Acq: 04 Jun 2024 20:26

Tgt Ion:252 Resp: 677532
Ion Ratio Lower Upper
252 100
253 22.7 17.7 26.5
125 9.7 7.8 11.6





#90

Benzo(a)pyrene

Concen: 15.548 ng

RT: 24.839 min Scan# 31

Delta R.T. -0.018 min

Lab File: BP020504.D

Acq: 04 Jun 2024 20:26

Instrument :

BNA_P

ClientSampleId :

VNJ-223

Tgt Ion:252 Resp: 1241234

Ion Ratio Lower Upper

252 100

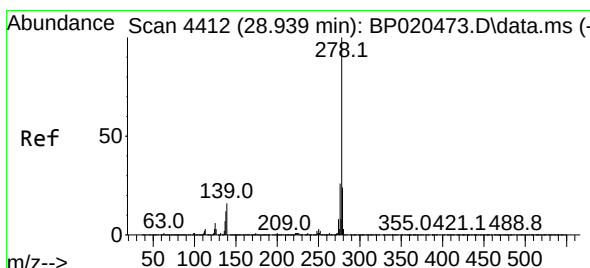
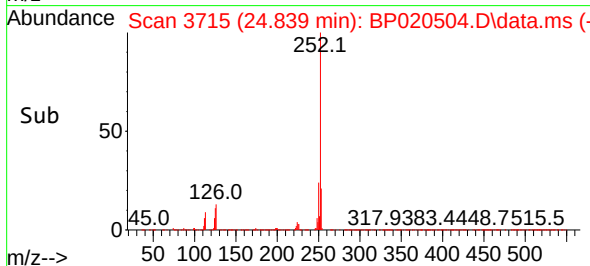
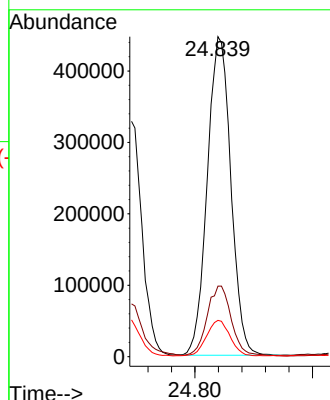
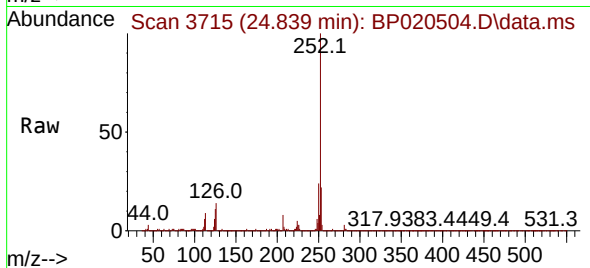
253 22.0 17.4 26.2

125 11.3 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: 2.673 ng

RT: 28.898 min Scan# 4405

Delta R.T. -0.041 min

Lab File: BP020504.D

Acq: 04 Jun 2024 20:26

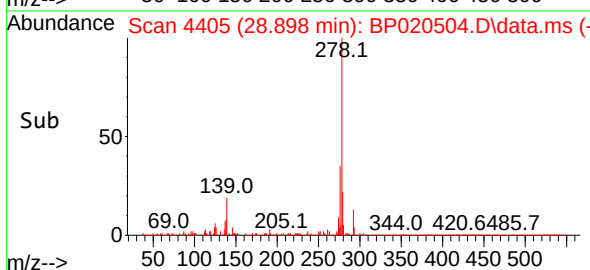
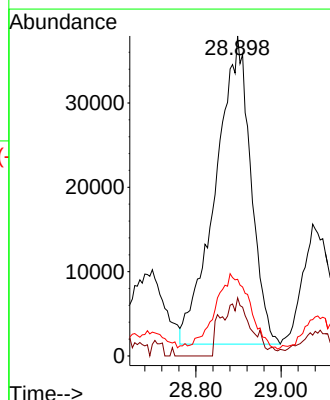
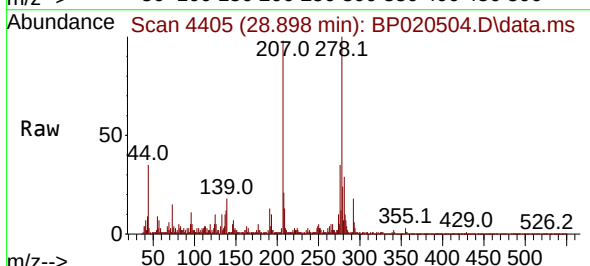
Tgt Ion:278 Resp: 209795

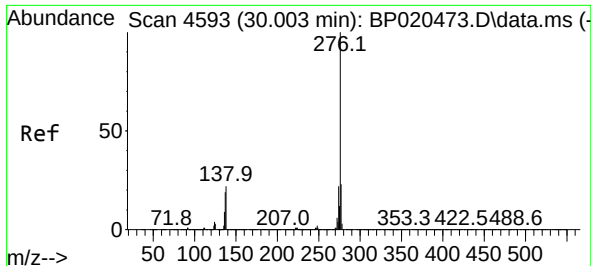
Ion Ratio Lower Upper

278 100

139 18.1 13.0 19.4

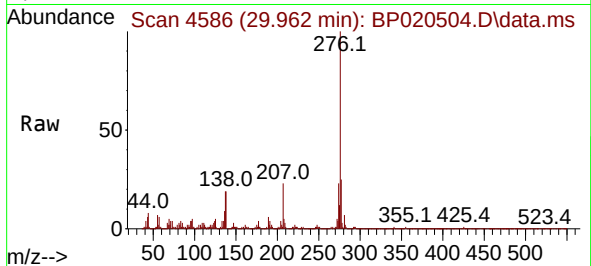
279 23.9 19.2 28.8





#92
Benzo(g,h,i)perylene
Concen: 10.184 ng
RT: 29.962 min Scan# 4586
Delta R.T. -0.041 min
Lab File: BP020504.D
Acq: 04 Jun 2024 20:26

Instrument :
BNA_P
ClientSampleId :
VNJ-223



Tgt Ion: 276 Resp: 798929
Ion Ratio Lower Upper
276 100
277 25.0 18.7 28.1
138 19.5 17.7 26.5

Manual Integrations
APPROVED

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

