

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022224\
 Data File : BP019824.D
 Acq On : 22 Feb 2024 14:58
 Operator : MA/JU
 Sample : P1547-01 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OR-03-022024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/23/2024
 Supervised By :mohammad ahmed 02/23/2024

Quant Time: Feb 22 15:24:23 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 19 23:35:42 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.893	152	56073	20.000	ng	0.00
21) Naphthalene-d8	10.693	136	304517	20.000	ng	0.00
39) Acenaphthene-d10	14.528	164	155558	20.000	ng	-0.01
64) Phenanthrene-d10	17.287	188	348606	20.000	ng	0.00
76) Chrysene-d12	21.380	240	335988	20.000	ng	-0.01
86) Perylene-d12	23.810	264	376145	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.470	112	170650	49.056	ng	0.00
7) Phenol-d6	7.064	99	217140	46.294	ng	0.00
23) Nitrobenzene-d5	9.063	82	153748	21.878	ng	0.00
42) 2,4,6-Tribromophenol	16.028	330	141788	62.427	ng	0.00
45) 2-Fluorobiphenyl	13.157	172	378122	30.050	ng	0.00
79) Terphenyl-d14	19.851	244	706894	34.600	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	14.251	152	47432	3.317	ng	97
58) Fluorene	15.581	166	29510	2.563	ng	96
71) Phenanthrene	17.328	178	319241	17.401	ng	99
72) Anthracene	17.422	178	116261	6.353	ng	98
75) Fluoranthene	19.298	202	573721	25.599	ng	99
78) Pyrene	19.651	202	578936	24.415	ng	100
81) Benzo(a)anthracene	21.369	228	309753	13.097	ng	93
83) Chrysene	21.422	228	276980	12.335	ng	96
87) Indeno(1,2,3-cd)pyrene	26.345	276	191481	6.650	ng	# 96
88) Benzo(b)fluoranthene	23.069	252	388722	16.397	ng	# 89
89) Benzo(k)fluoranthene	23.116	252	108610m	4.796	ng	
90) Benzo(a)pyrene	23.698	252	289727	13.735	ng	95
91) Dibenzo(a,h)anthracene	26.363	278	52469	2.216	ng	# 72
92) Benzo(g,h,i)perylene	27.121	276	190107	7.913	ng	96

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

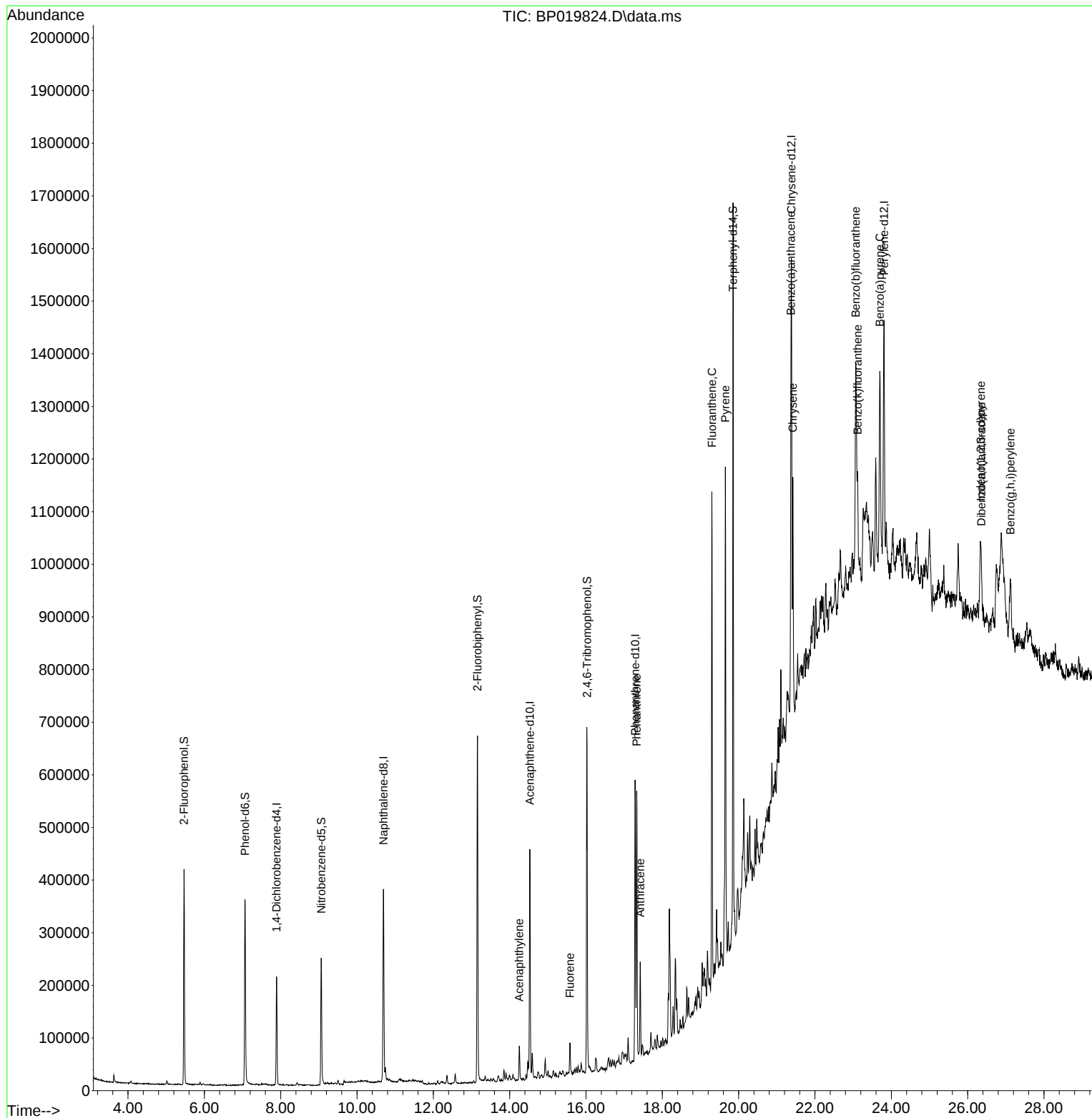
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022224\
Data File : BP019824.D
Acq On : 22 Feb 2024 14:58
Operator : MA/JU
Sample : P1547-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

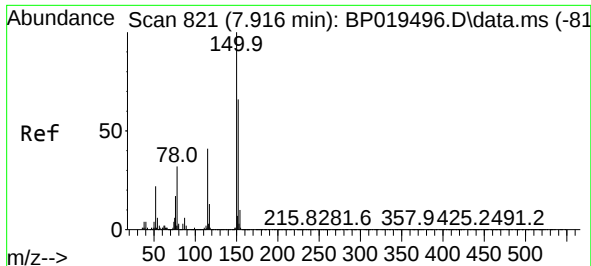
Instrument :
BNA_P
ClientSampleId :
OR-03-022024

Quant Time: Feb 22 15:24:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 19 23:35:42 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/23/2024
Supervised By :mohammad ahmed 02/23/2024





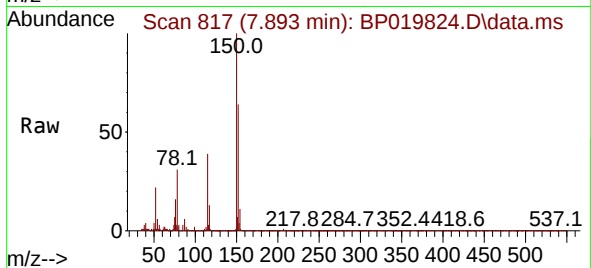
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.893 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019824.D
Acq: 22 Feb 2024 14:58

Instrument :

BNA_P

ClientSampleId :

OR-03-022024



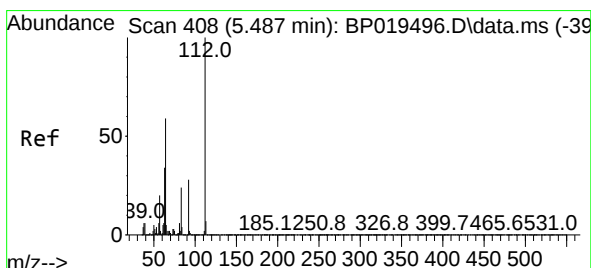
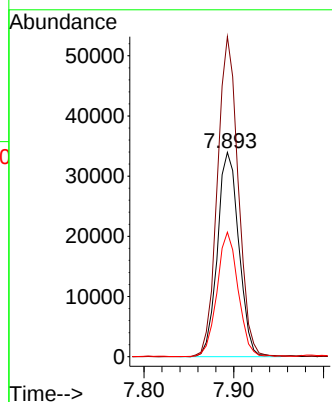
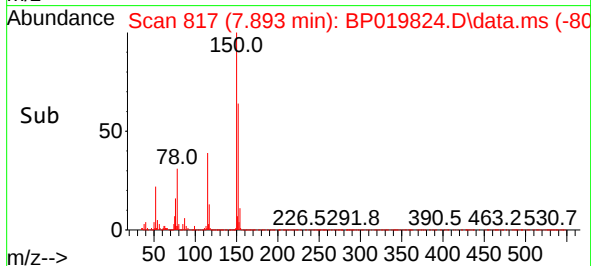
Tgt Ion:152 Resp: 5607
Ion Ratio Lower Upper
152 100
150 156.6 121.8 182.8
115 61.0 49.9 74.9

Manual Integrations

APPROVED

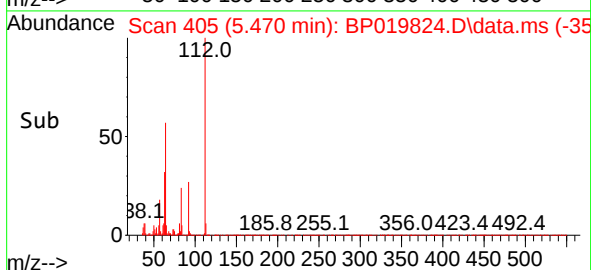
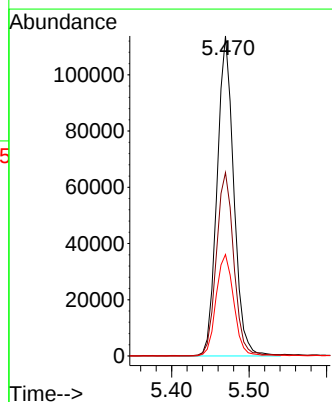
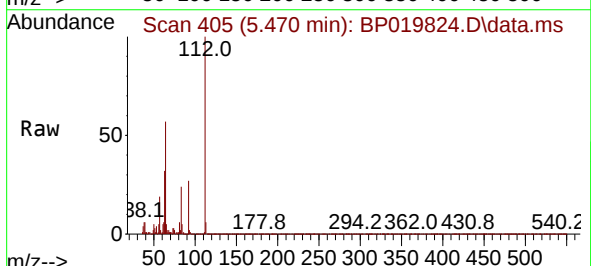
Reviewed By :Yogesh Patel 02/23/2024

Supervised By :mohammad ahmed 02/23/2024



#5
2-Fluorophenol
Concen: 49.056 ng
RT: 5.470 min Scan# 405
Delta R.T. -0.006 min
Lab File: BP019824.D
Acq: 22 Feb 2024 14:58

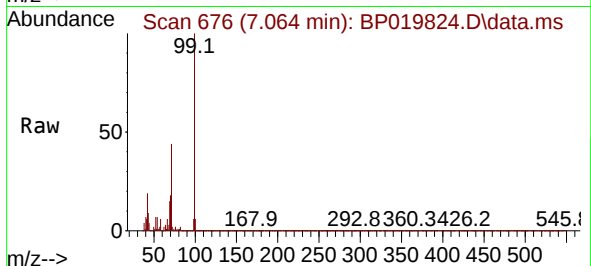
Tgt Ion:112 Resp: 170650
Ion Ratio Lower Upper
112 100
64 57.3 47.4 71.0
63 31.7 27.0 40.6





#7
Phenol-d6
Concen: 46.294 ng
RT: 7.064 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019824.D
Acq: 22 Feb 2024 14:58

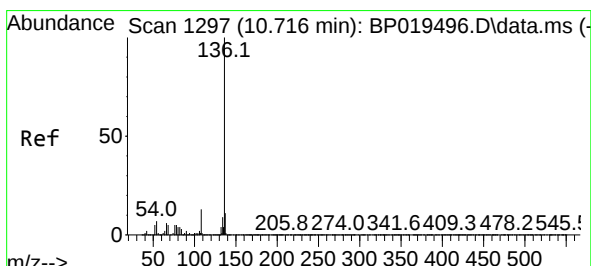
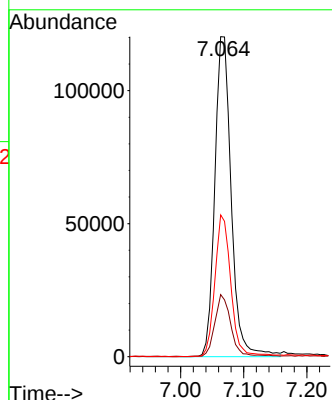
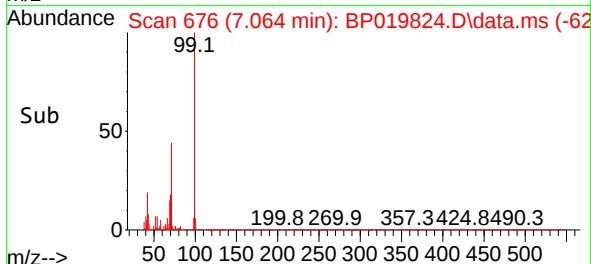
Instrument :
BNA_P
ClientSampleId :
OR-03-022024



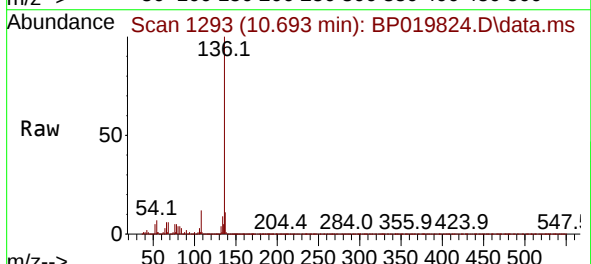
Tgt Ion: 99 Resp: 217140
Ion Ratio Lower Upper
99 100
42 19.4 14.7 22.1
71 44.3 34.8 52.2

Manual Integrations
APPROVED

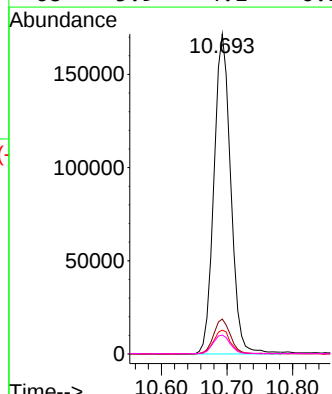
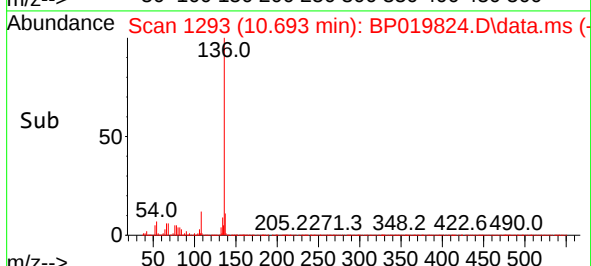
Reviewed By :Yogesh Patel 02/23/2024
Supervised By :mohammad ahmed 02/23/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.693 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BP019824.D
Acq: 22 Feb 2024 14:58



Tgt Ion:136 Resp: 304517
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.5 5.3 7.9
68 5.9 4.1 6.1





#23

Nitrobenzene-d5

Concen: 21.878 ng

RT: 9.063 min Scan# 1020

Delta R.T. -0.006 min

Lab File: BP019824.D

Acq: 22 Feb 2024 14:58

Instrument :

BNA_P

ClientSampleId :

OR-03-022024

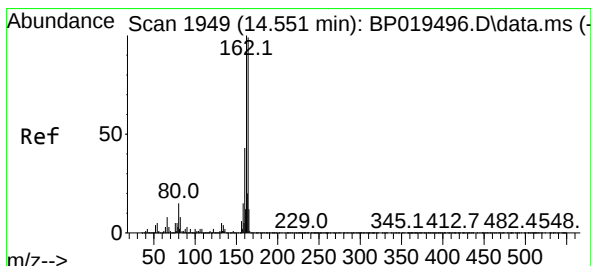
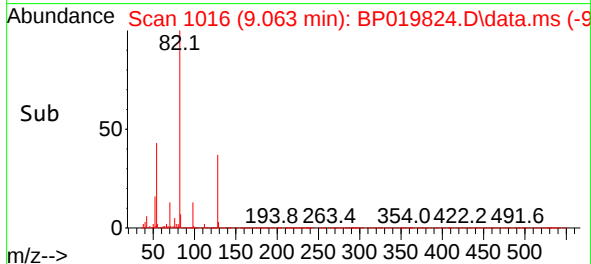
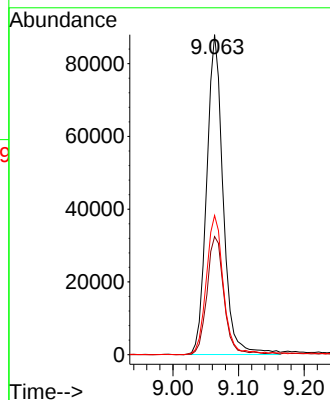
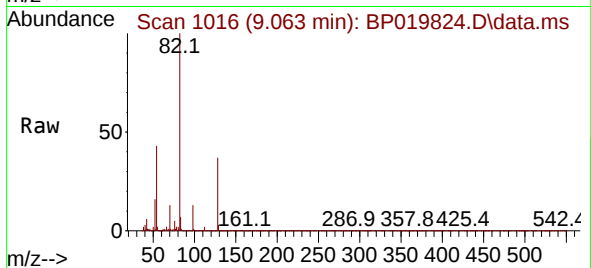
Tgt Ion: 82	Resp: 153748
Ion Ratio	Lower Upper
82 100	
128 36.9	29.7 44.5
54 43.5	36.8 55.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/23/2024

Supervised By :mohammad ahmed 02/23/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

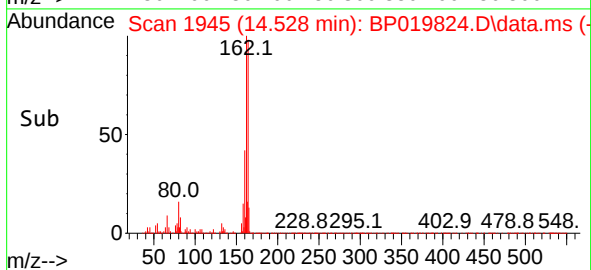
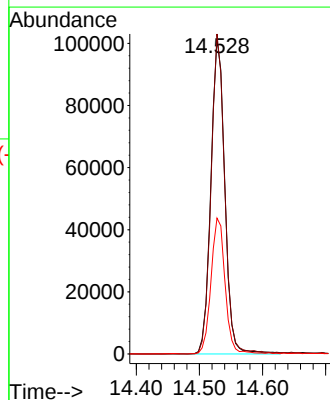
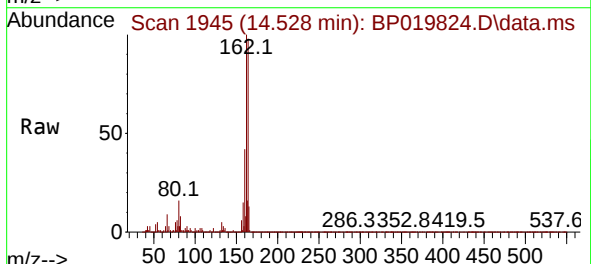
RT: 14.528 min Scan# 1945

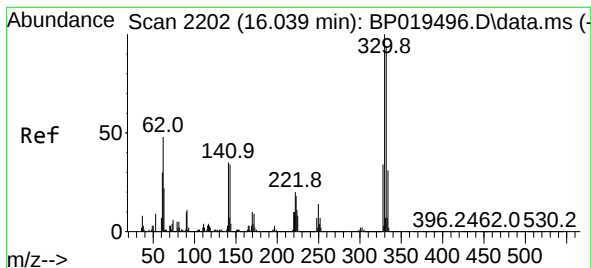
Delta R.T. -0.012 min

Lab File: BP019824.D

Acq: 22 Feb 2024 14:58

Tgt Ion:164	Resp: 155558
Ion Ratio	Lower Upper
164 100	
162 101.7	81.2 121.8
160 43.1	35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 62.427 ng

RT: 16.028 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019824.D

Acq: 22 Feb 2024 14:58

Instrument :

BNA_P

ClientSampleId :

OR-03-022024

Tgt Ion:330 Resp: 14178

Ion Ratio Lower Upper

330 100

332 96.0 77.2 115.8

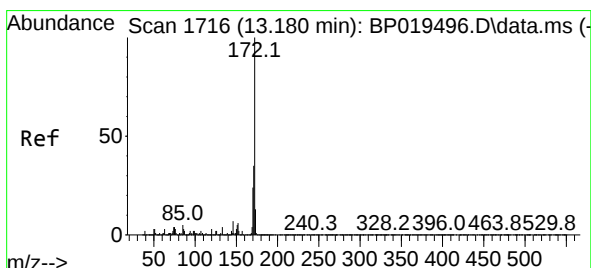
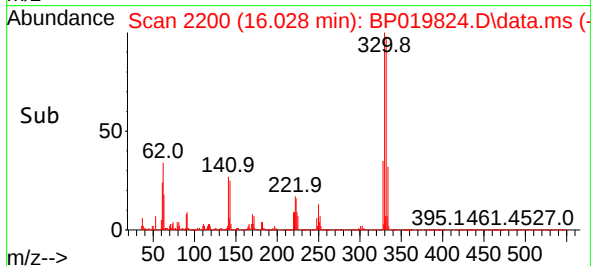
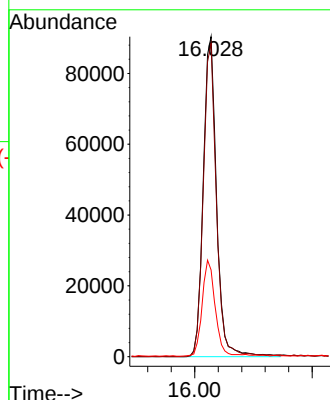
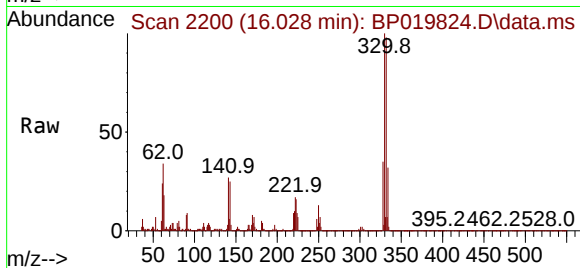
141 30.1 27.0 40.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/23/2024

Supervised By :mohammad ahmed 02/23/2024



#45

2-Fluorobiphenyl

Concen: 30.050 ng

RT: 13.157 min Scan# 1712

Delta R.T. -0.006 min

Lab File: BP019824.D

Acq: 22 Feb 2024 14:58

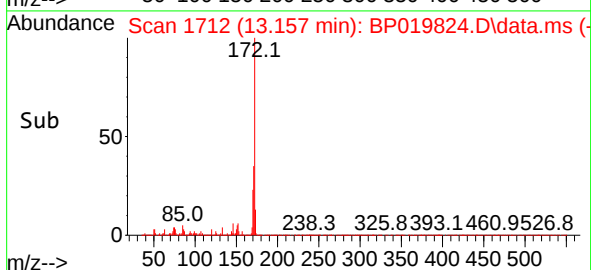
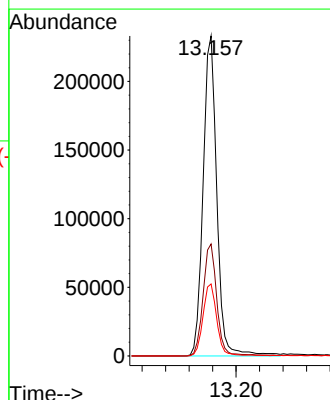
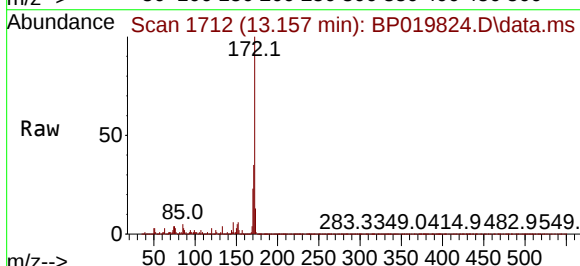
Tgt Ion:172 Resp: 378122

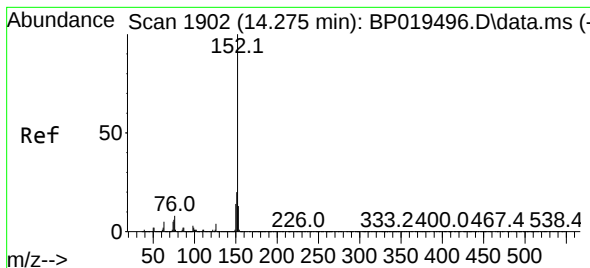
Ion Ratio Lower Upper

172 100

171 35.0 28.2 42.4

170 22.5 18.9 28.3





#49

Acenaphthylene

Concen: 3.317 ng

RT: 14.251 min Scan# 11

Delta R.T. -0.012 min

Lab File: BP019824.D

Acq: 22 Feb 2024 14:58

Instrument :

BNA_P

ClientSampleId :

OR-03-022024

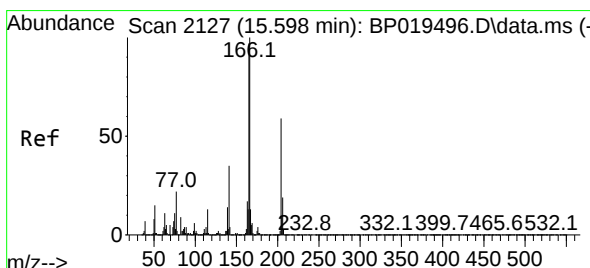
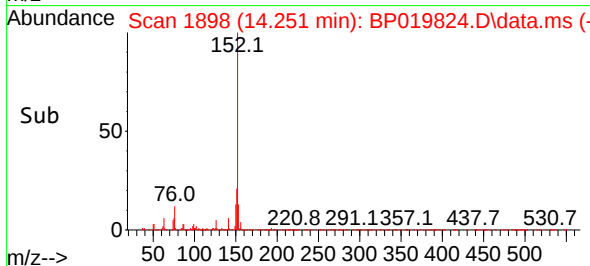
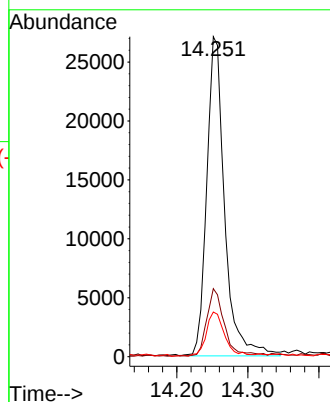
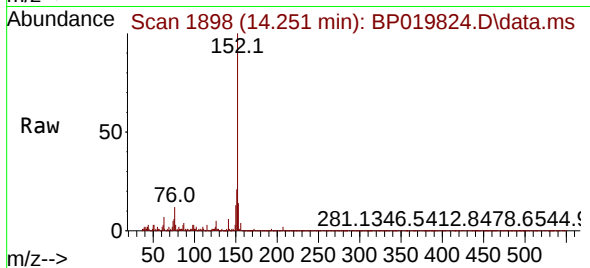
Tgt Ion:	152	Resp:	4743
Ion Ratio	Lower	Upper	
152	100		
151	21.3	15.8	23.6
153	13.9	10.6	15.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/23/2024

Supervised By :mohammad ahmed 02/23/2024



#58

Fluorene

Concen: 2.563 ng

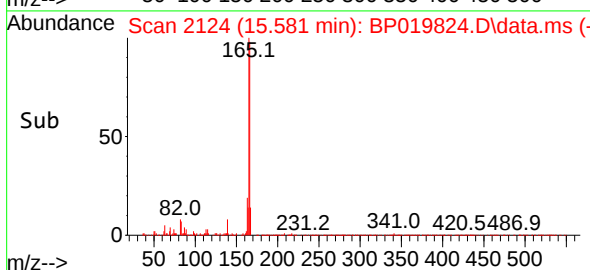
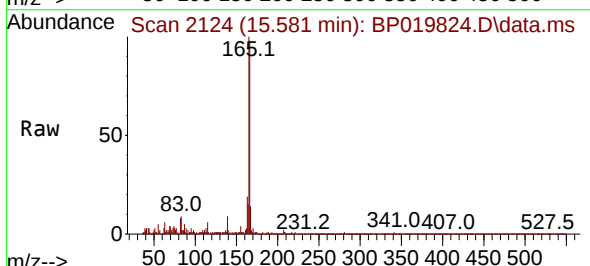
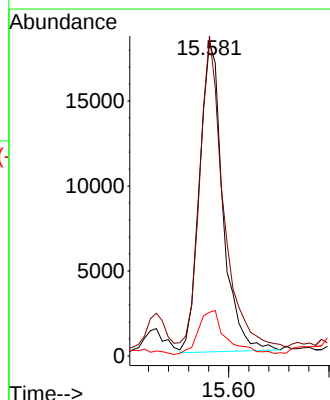
RT: 15.581 min Scan# 2124

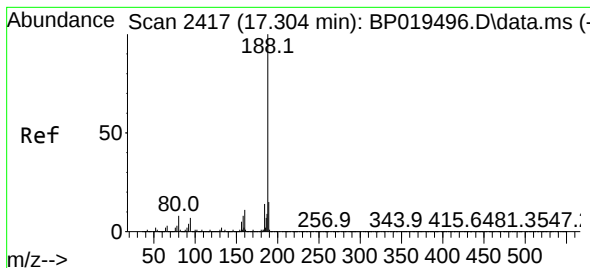
Delta R.T. -0.012 min

Lab File: BP019824.D

Acq: 22 Feb 2024 14:58

Tgt Ion:	166	Resp:	29510
Ion Ratio	Lower	Upper	
166	100		
165	102.0	77.8	116.8
167	13.9	10.7	16.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.287 min Scan# 2417

Delta R.T. -0.006 min

Lab File: BP019824.D

Acq: 22 Feb 2024 14:58

Instrument :

BNA_P

ClientSampleId :

OR-03-022024

Tgt Ion:188 Resp: 348600

Ion Ratio Lower Upper

188 100

94 6.3 5.4 8.2

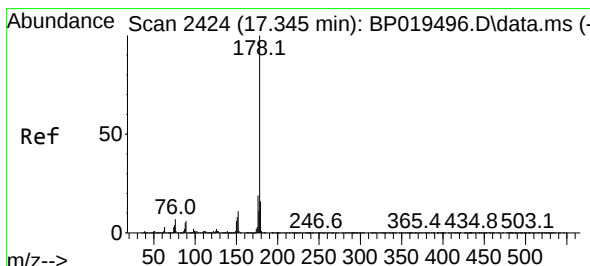
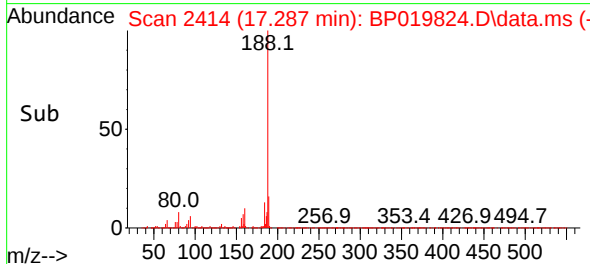
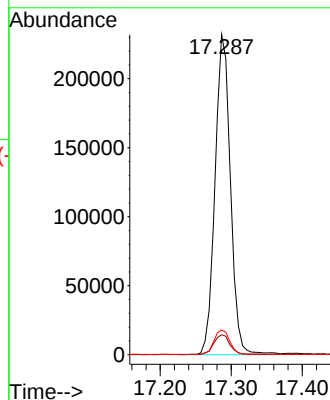
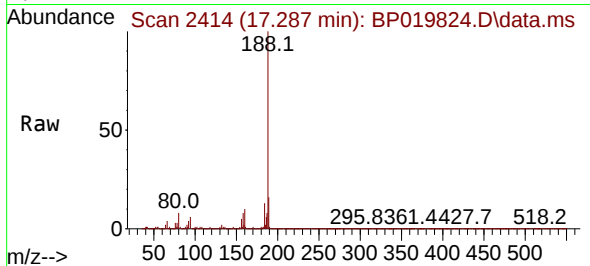
80 7.7 6.3 9.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/23/2024

Supervised By :mohammad ahmed 02/23/2024



#71

Phenanthrene

Concen: 17.401 ng

RT: 17.328 min Scan# 2421

Delta R.T. -0.012 min

Lab File: BP019824.D

Acq: 22 Feb 2024 14:58

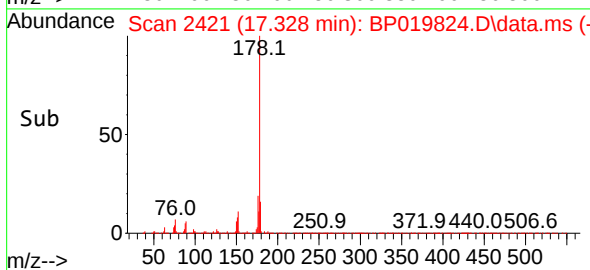
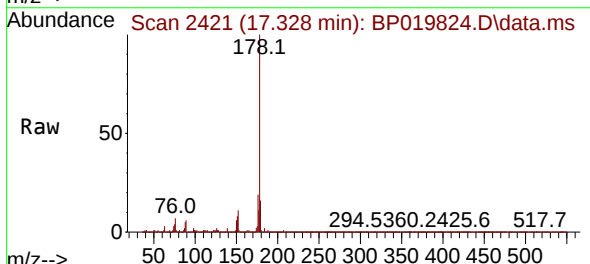
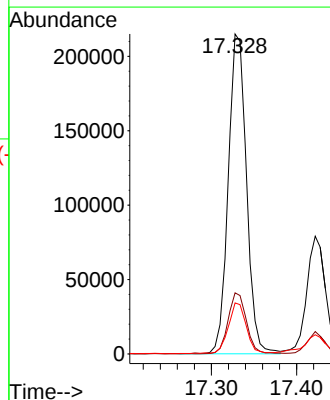
Tgt Ion:178 Resp: 319241

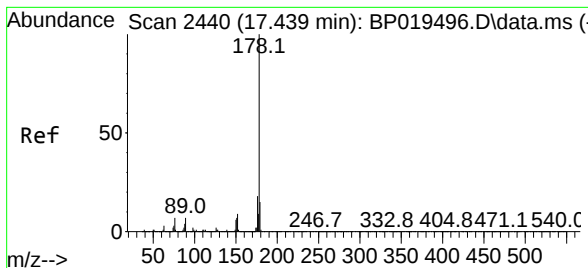
Ion Ratio Lower Upper

178 100

176 19.1 15.5 23.3

179 16.0 12.6 19.0





#72

Anthracene

Concen: 6.353 ng

RT: 17.422 min Scan# 2440

Delta R.T. -0.006 min

Lab File: BP019824.D

Acq: 22 Feb 2024 14:58

Instrument :

BNA_P

ClientSampleId :

OR-03-022024

Tgt Ion:178 Resp: 11626

Ion Ratio Lower Upper

178 100

176 19.1 14.7 22.1

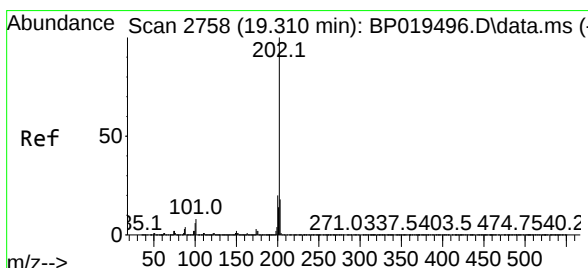
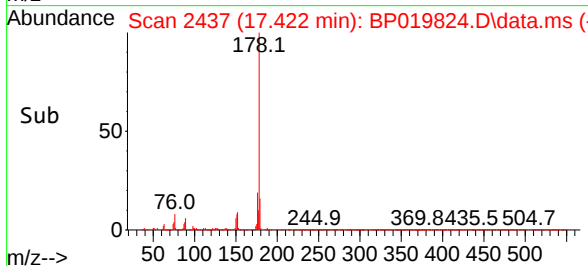
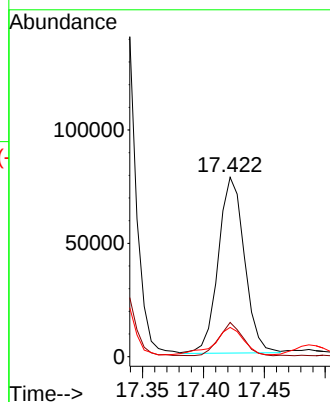
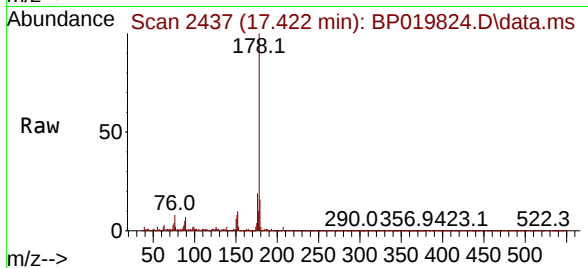
179 16.3 12.2 18.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/23/2024

Supervised By :mohammad ahmed 02/23/2024



#75

Fluoranthene

Concen: 25.599 ng

RT: 19.298 min Scan# 2756

Delta R.T. -0.006 min

Lab File: BP019824.D

Acq: 22 Feb 2024 14:58

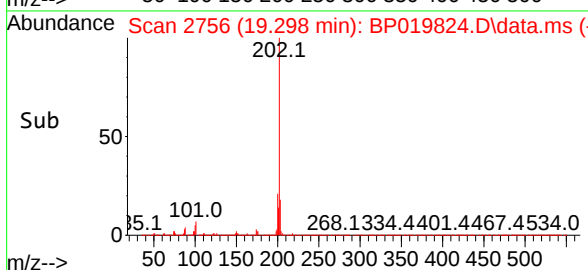
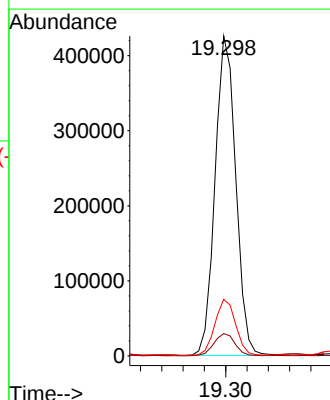
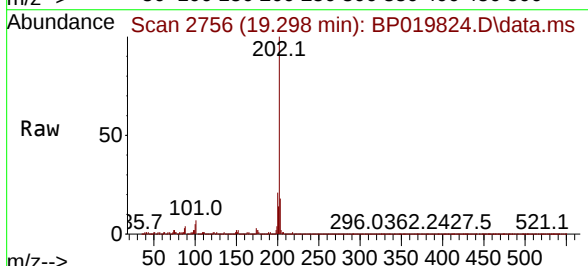
Tgt Ion:202 Resp: 573721

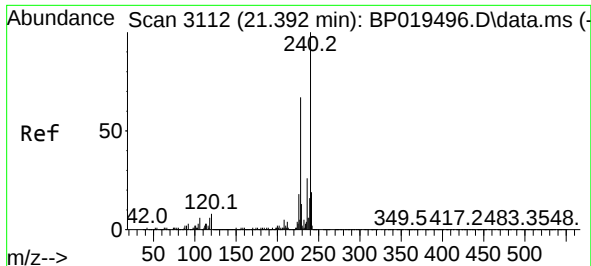
Ion Ratio Lower Upper

202 100

101 7.0 0.0 27.7

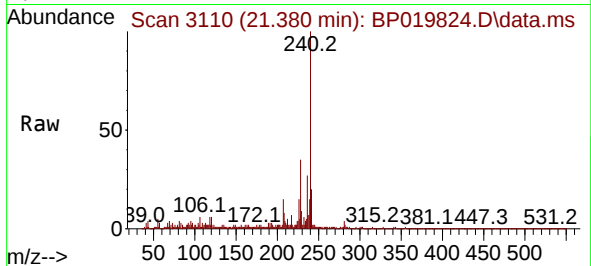
203 17.7 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.380 min Scan# 3112
Delta R.T. -0.012 min
Lab File: BP019824.D
Acq: 22 Feb 2024 14:58

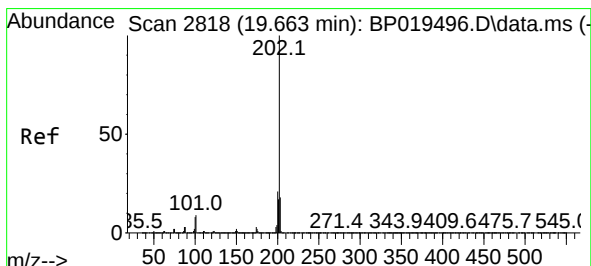
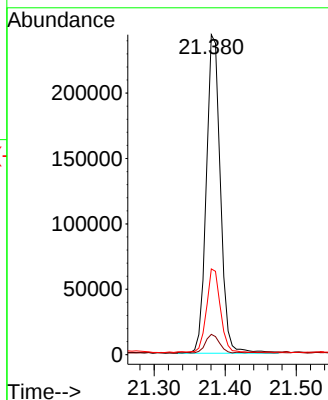
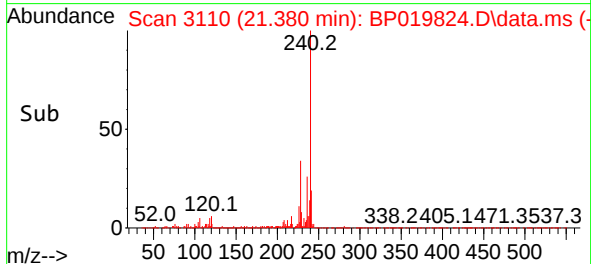
Instrument :
BNA_P
ClientSampleId :
OR-03-022024



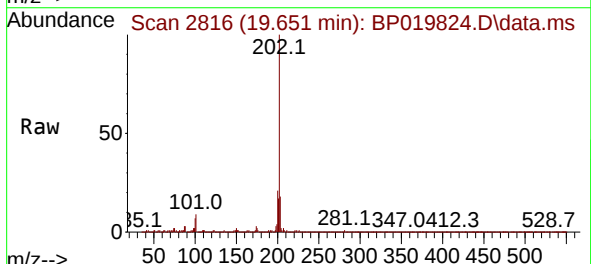
Tgt Ion:240 Resp: 335988
Ion Ratio Lower Upper
240 100
120 6.3 6.1 9.1
236 26.8 20.7 31.1

Manual Integrations
APPROVED

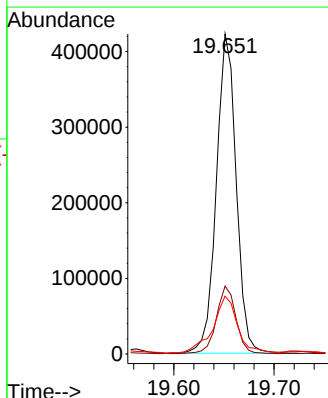
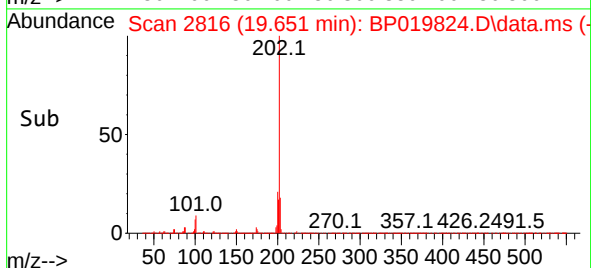
Reviewed By :Yogesh Patel 02/23/2024
Supervised By :mohammad ahmed 02/23/2024

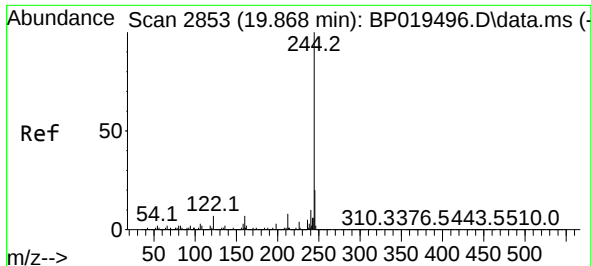


#78
Pyrene
Concen: 24.415 ng
RT: 19.651 min Scan# 2816
Delta R.T. -0.006 min
Lab File: BP019824.D
Acq: 22 Feb 2024 14:58



Tgt Ion:202 Resp: 578936
Ion Ratio Lower Upper
202 100
200 21.2 16.9 25.3
203 18.1 14.2 21.2





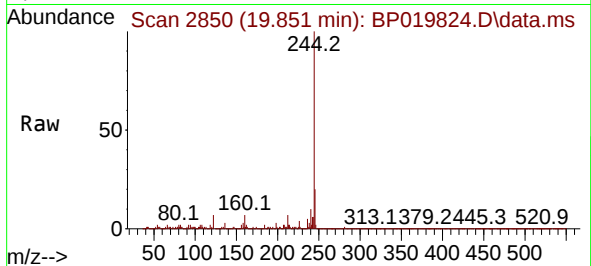
#79
 Terphenyl-d14
 Concen: 34.600 ng
 RT: 19.851 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BP019824.D
 Acq: 22 Feb 2024 14:58

Instrument :

BNA_P

ClientSampleId :

OR-03-022024



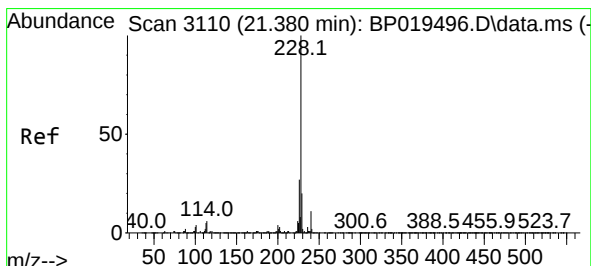
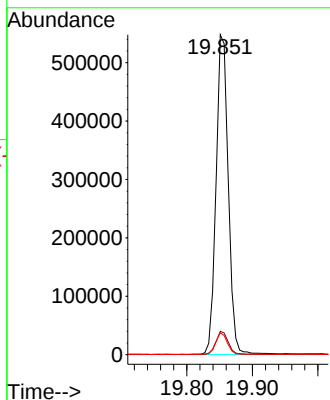
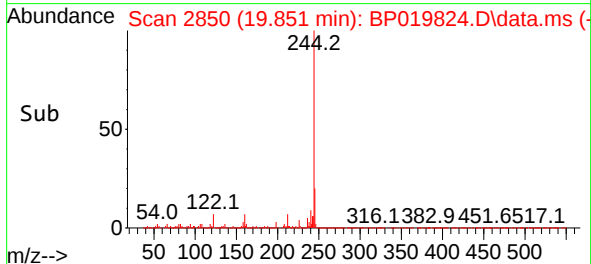
Tgt Ion:244 Resp: 706894
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.1 9.1
 122 6.9 5.9 8.9

Manual Integrations

APPROVED

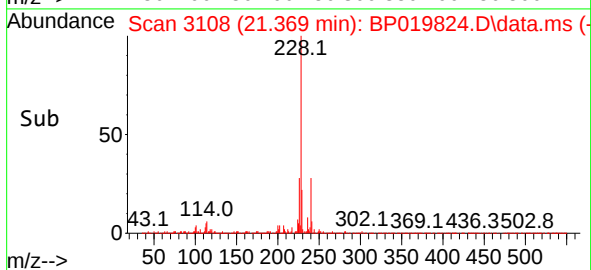
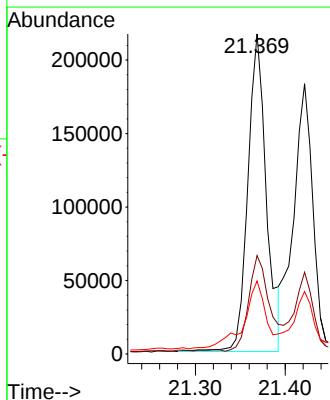
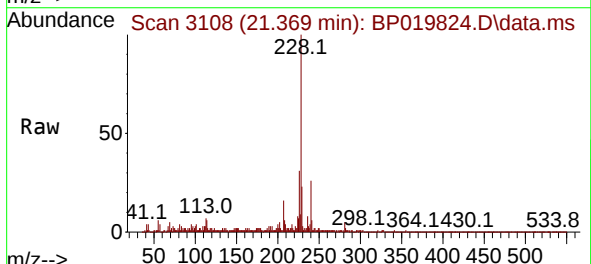
Reviewed By :Yogesh Patel 02/23/2024

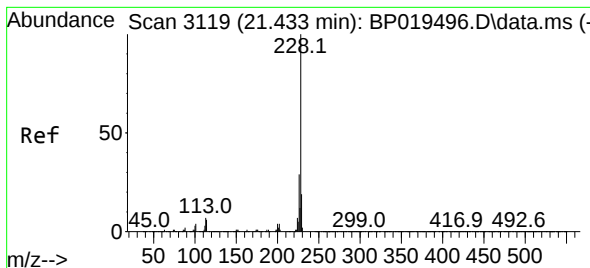
Supervised By :mohammad ahmed 02/23/2024



#81
 Benzo(a)anthracene
 Concen: 13.097 ng
 RT: 21.369 min Scan# 3108
 Delta R.T. -0.006 min
 Lab File: BP019824.D
 Acq: 22 Feb 2024 14:58

Tgt Ion:228 Resp: 309753
 Ion Ratio Lower Upper
 228 100
 226 30.8 21.7 32.5
 229 22.8 15.6 23.4





#83

Chrysene

Concen: 12.335 ng

RT: 21.422 min Scan# 3119

Delta R.T. -0.006 min

Lab File: BP019824.D

Acq: 22 Feb 2024 14:58

Instrument :

BNA_P

ClientSampleId :

OR-03-022024

Tgt Ion:228 Resp: 276980

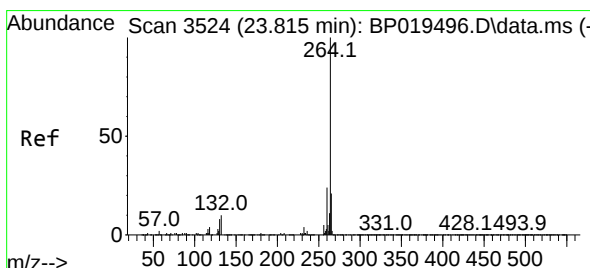
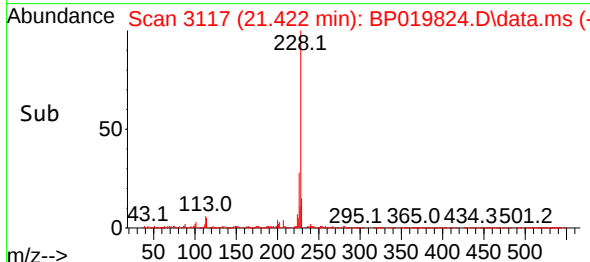
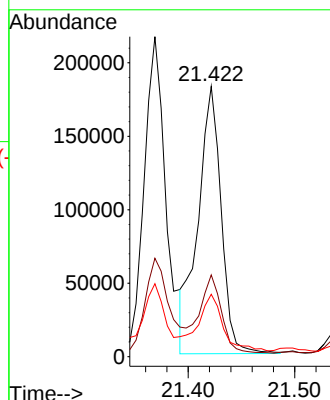
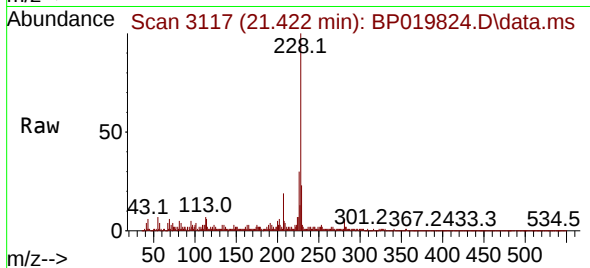
Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.4	35.2
229	23.1	15.6	23.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/23/2024

Supervised By :mohammad ahmed 02/23/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.810 min Scan# 3523

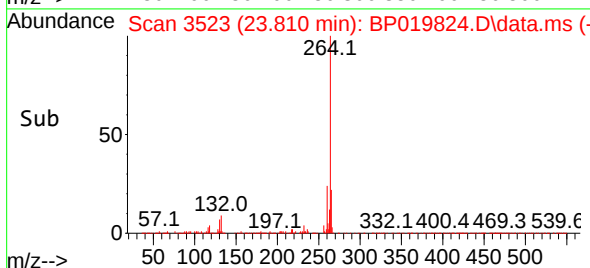
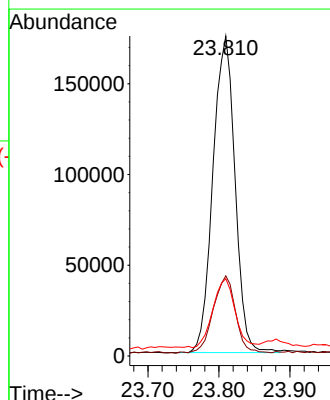
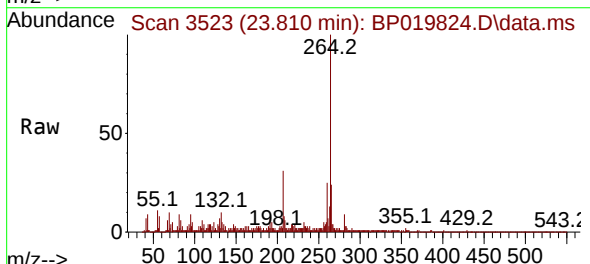
Delta R.T. 0.000 min

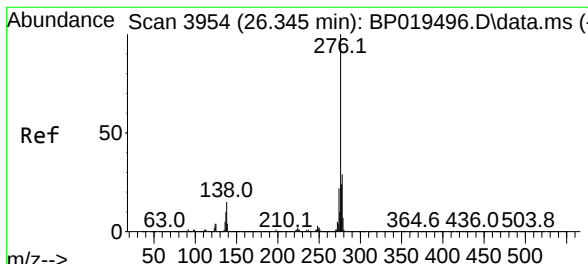
Lab File: BP019824.D

Acq: 22 Feb 2024 14:58

Tgt Ion:264 Resp: 376145

Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.2	28.8
265	24.2	17.0	25.4





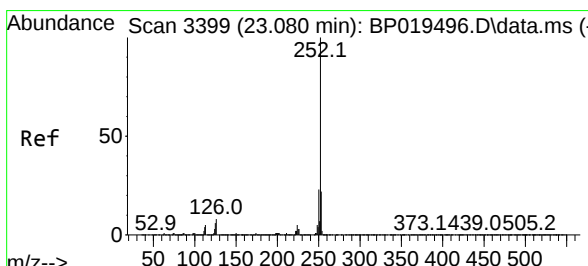
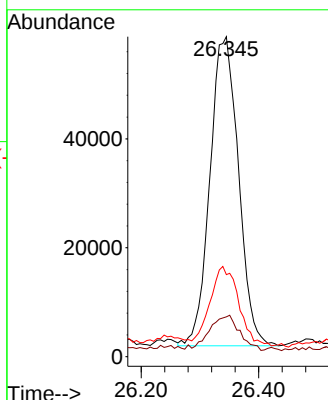
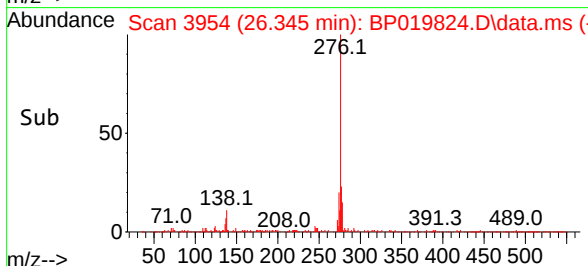
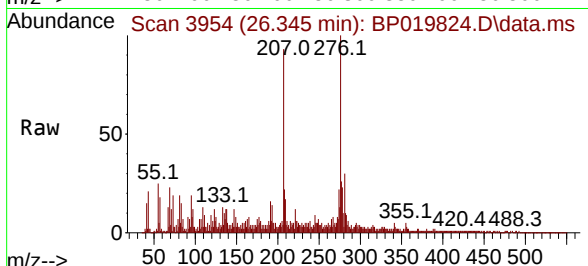
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.650 ng
 RT: 26.345 min Scan# 3954
 Delta R.T. 0.000 min
 Lab File: BP019824.D
 Acq: 22 Feb 2024 14:58

Instrument :
 BNA_P
 ClientSampleId :
 OR-03-022024

Tgt Ion:	276	Resp:	19148
Ion Ratio	Lower	Upper	
276	100		
138	11.8	13.1	19.7
277	25.5	20.3	30.5

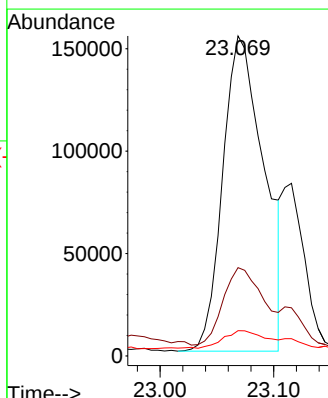
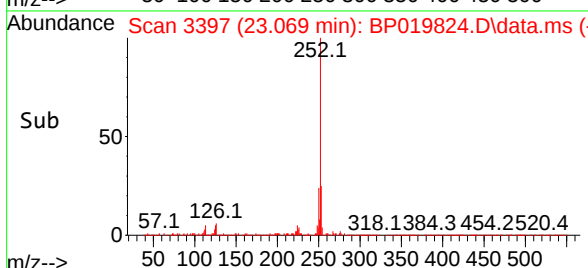
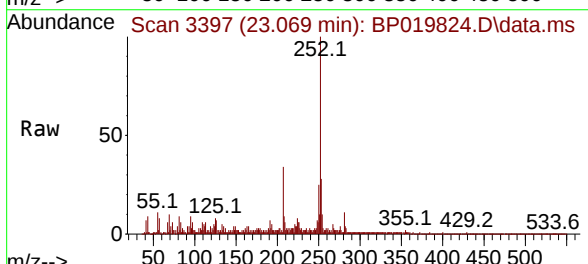
Manual Integrations
 APPROVED

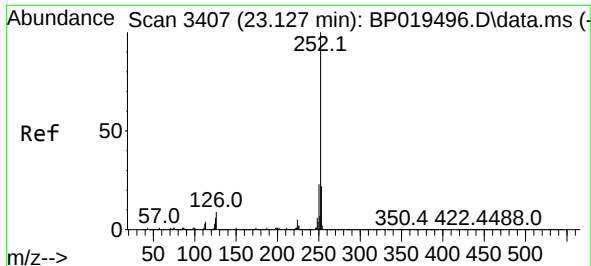
Reviewed By :Yogesh Patel 02/23/2024
 Supervised By :mohammad ahmed 02/23/2024



#88
 Benzo(b)fluoranthene
 Concen: 16.397 ng
 RT: 23.069 min Scan# 3397
 Delta R.T. -0.006 min
 Lab File: BP019824.D
 Acq: 22 Feb 2024 14:58

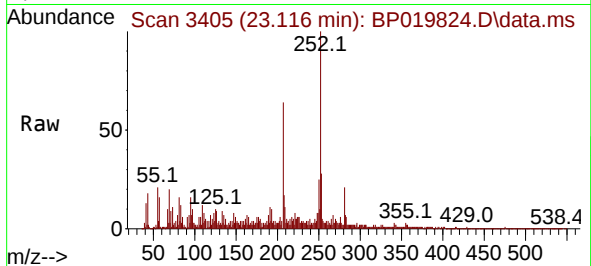
Tgt Ion:	252	Resp:	388722
Ion Ratio	Lower	Upper	
252	100		
253	27.6	17.3	25.9
125	7.9	4.9	7.3





#89
Benzo(k)fluoranthene
Concen: 4.796 ng m
RT: 23.116 min Scan# 3405
Delta R.T. -0.006 min
Lab File: BP019824.D
Acq: 22 Feb 2024 14:58

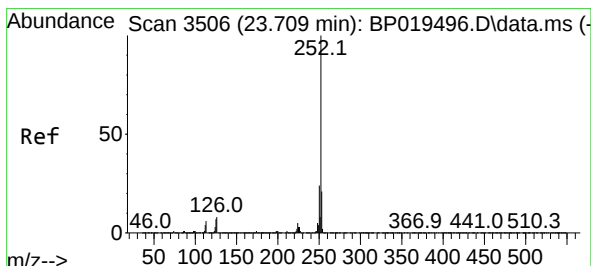
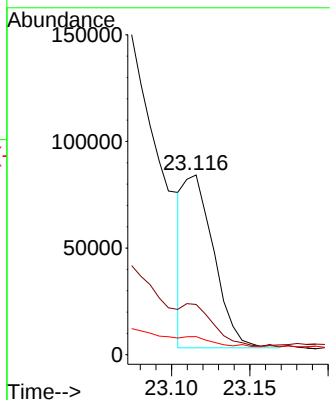
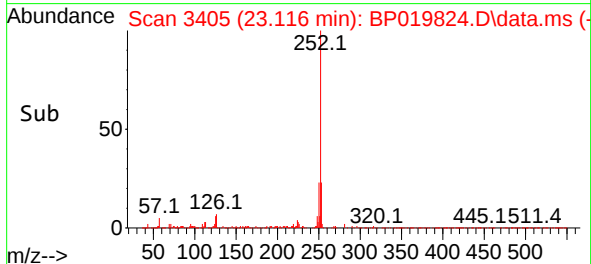
Instrument :
BNA_P
ClientSampleId :
OR-03-022024



Tgt Ion:252 Resp: 108610
Ion Ratio Lower Upper
252 100
253 27.9 17.1 25.7
125 10.0 5.0 7.6

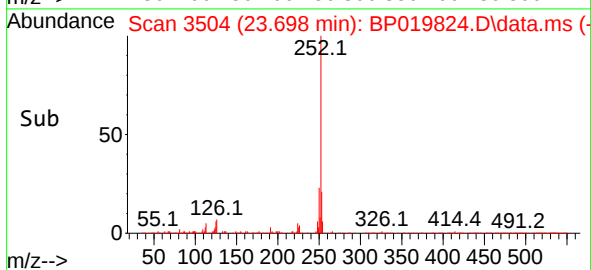
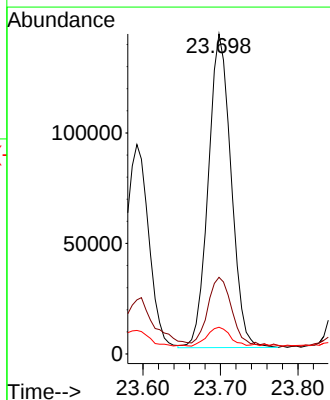
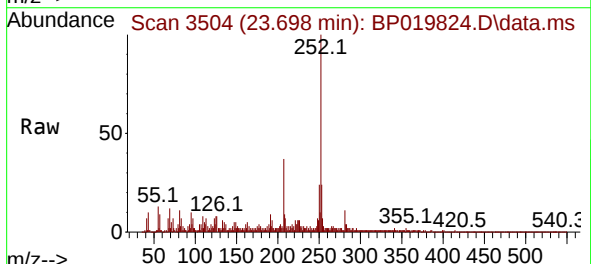
Manual Integrations
APPROVED

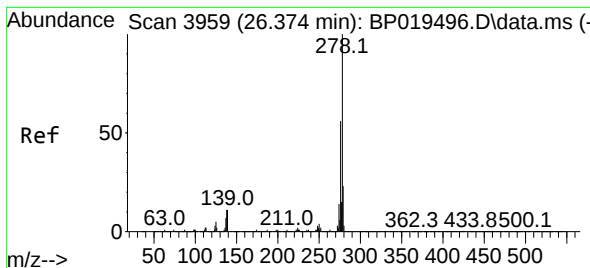
Reviewed By :Yogesh Patel 02/23/2024
Supervised By :mohammad ahmed 02/23/2024



#90
Benzo(a)pyrene
Concen: 13.735 ng
RT: 23.698 min Scan# 3504
Delta R.T. -0.006 min
Lab File: BP019824.D
Acq: 22 Feb 2024 14:58

Tgt Ion:252 Resp: 289727
Ion Ratio Lower Upper
252 100
253 24.0 17.1 25.7
125 8.4 5.6 8.4





#91

Dibenzo(a,h)anthracene

Concen: 2.216 ng

RT: 26.363 min Scan# 3959

Delta R.T. -0.006 min

Lab File: BP019824.D

Acq: 22 Feb 2024 14:58

Instrument :

BNA_P

ClientSampleId :

OR-03-022024

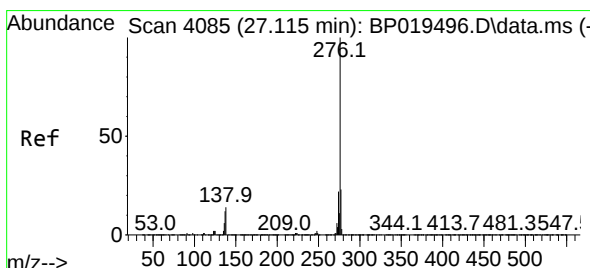
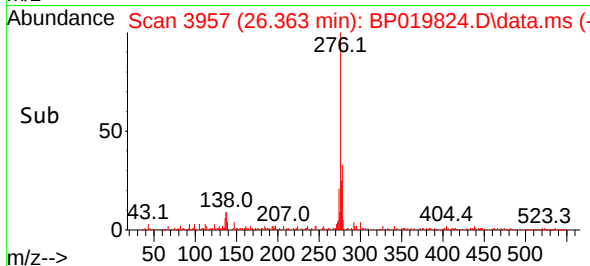
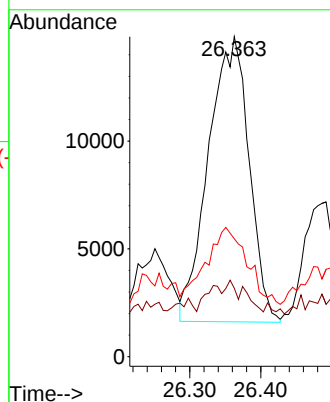
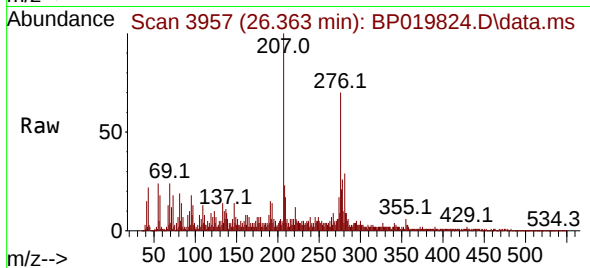
Tgt Ion:	278	Resp:	52469
Ion Ratio	Lower	Upper	
278	100		
139	21.4	8.6	12.8
279	36.9	18.5	27.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/23/2024

Supervised By :mohammad ahmed 02/23/2024



#92

Benzo(g,h,i)perylene

Concen: 7.913 ng

RT: 27.121 min Scan# 4086

Delta R.T. 0.000 min

Lab File: BP019824.D

Acq: 22 Feb 2024 14:58

Tgt Ion:	276	Resp:	190107
Ion Ratio	Lower	Upper	
276	100		
277	26.2	18.6	28.0
138	13.2	10.9	16.3

