

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022224\
 Data File : BP019825.D
 Acq On : 22 Feb 2024 15:32
 Operator : MA/JU
 Sample : P1537-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 9

Manual Integrations
 APPROVED

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

Quant Time: Feb 22 16:00:13 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	7.899	152	57649	20.000	ng	0.00
21) Naphthalene-d8	10.692	136	212257	20.000	ng	0.00
39) Acenaphthene-d10	14.533	164	154579	20.000	ng	0.00
64) Phenanthrene-d10	17.292	188	344834	20.000	ng	0.00
76) Chrysene-d12	21.386	240	325956	20.000	ng	0.00
86) Perylene-d12	23.804	264	379984	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	305753	85.491	ng	0.00
7) Phenol-d6	7.069	99	382159	79.248	ng	0.00
23) Nitrobenzene-d5	9.063	82	264228	53.941	ng	0.00
42) 2,4,6-Tribromophenol	16.028	330	238503	105.674	ng	0.00
45) 2-Fluorobiphenyl	13.157	172	627988	50.223	ng	0.00
79) Terphenyl-d14	19.857	244	1124241	56.721	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.257	152	38200	2.689	ng	98
71) Phenanthrene	17.333	178	213510	11.765	ng	98
72) Anthracene	17.422	178	74100	4.093	ng	97
75) Fluoranthene	19.304	202	477413	21.535	ng	98
78) Pyrene	19.657	202	478181	20.786	ng	99
81) Benzo(a)anthracene	21.368	228	270654	11.796	ng	94
83) Chrysene	21.421	228	223391	10.255	ng	96
87) Indeno(1,2,3-cd)pyrene	26.333	276	131374	4.517	ng	# 96
88) Benzo(b)fluoranthene	23.068	252	281076	11.737	ng	# 94
89) Benzo(k)fluoranthene	23.109	252	81985m	3.584	ng	
90) Benzo(a)pyrene	23.698	252	215280	10.103	ng	# 95
92) Benzo(g,h,i)perylene	27.109	276	132425	5.456	ng	94

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

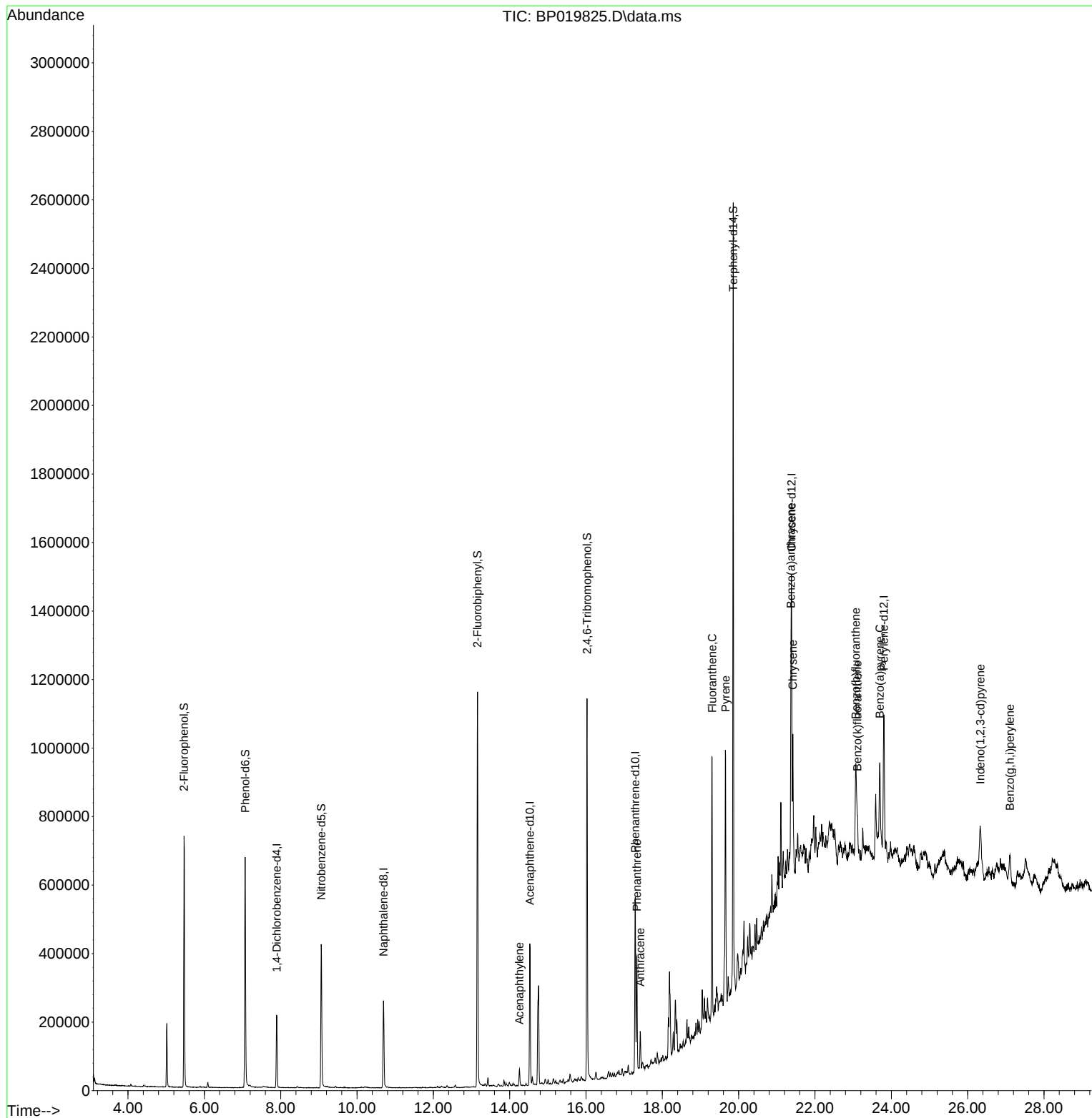
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022224\
Data File : BP019825.D
Acq On : 22 Feb 2024 15:32
Operator : MA/JU
Sample : P1537-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

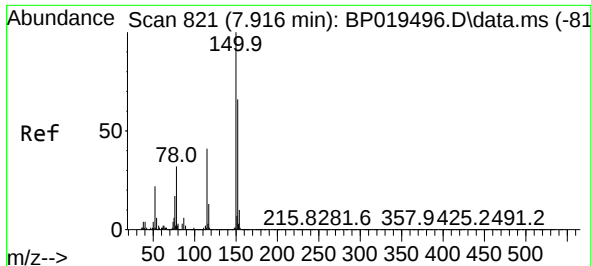
Instrument :
BNA_P
ClientSampleId :
9

Quant Time: Feb 22 16:00:13 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

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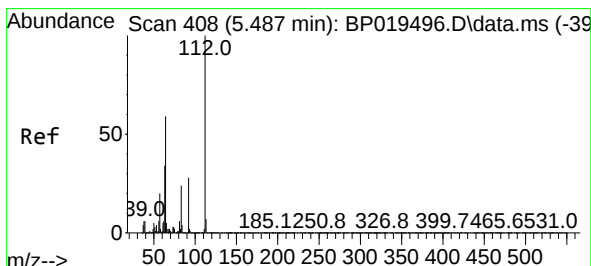
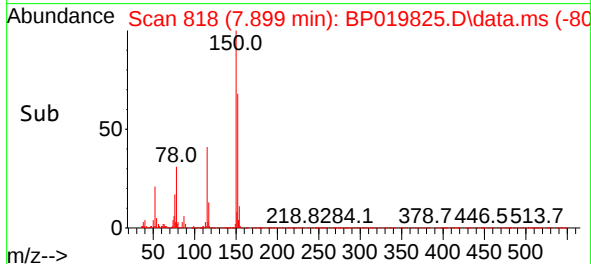
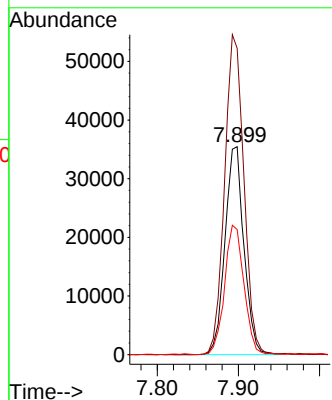
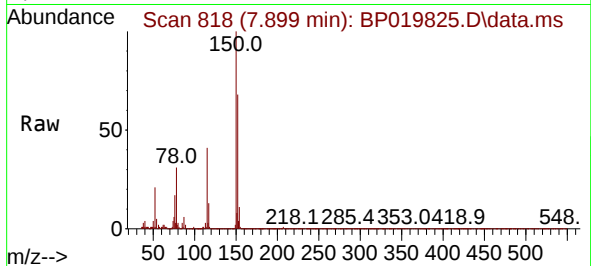
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.899 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP019825.D
Acq: 22 Feb 2024 15:32

Instrument :
BNA_P
ClientSampleId :
9

Tgt Ion:152 Resp: 57649
Ion Ratio Lower Upper
152 100
150 147.4 121.8 182.8
115 60.2 49.9 74.9

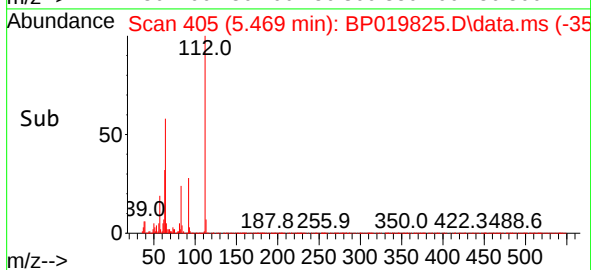
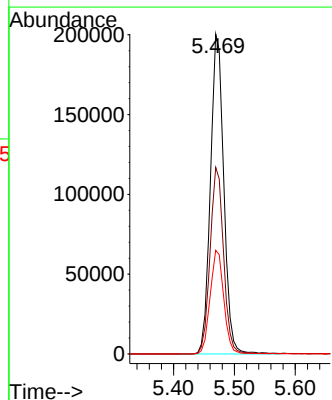
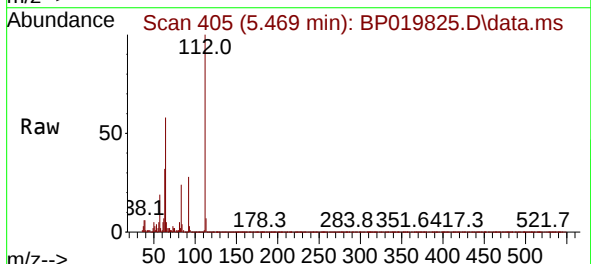
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Supervised By :mohammad ahmed 02/23/2024



#5
2-Fluorophenol
Concen: 85.491 ng
RT: 5.469 min Scan# 405
Delta R.T. -0.006 min
Lab File: BP019825.D
Acq: 22 Feb 2024 15:32

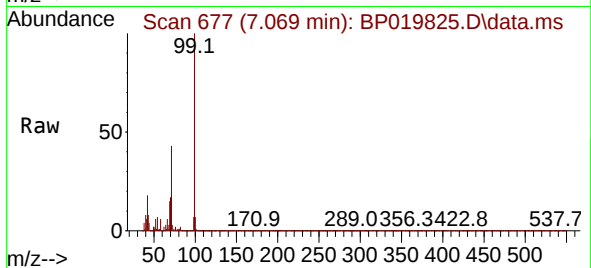
Tgt Ion:112 Resp: 305753
Ion Ratio Lower Upper
112 100
64 58.3 47.4 71.0
63 32.4 27.0 40.6





#7
Phenol-d6
Concen: 79.248 ng
RT: 7.069 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP019825.D
Acq: 22 Feb 2024 15:32

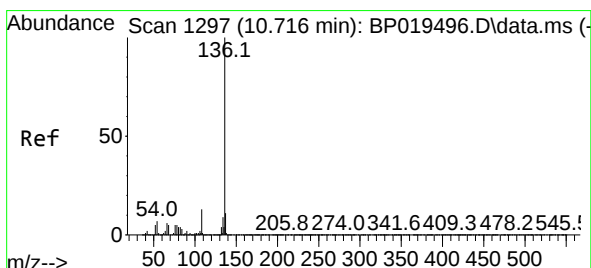
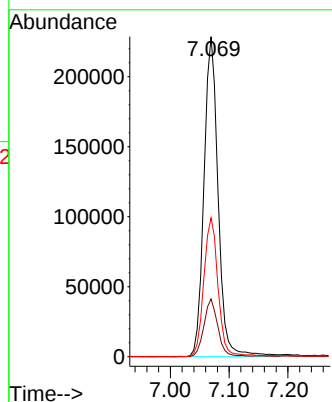
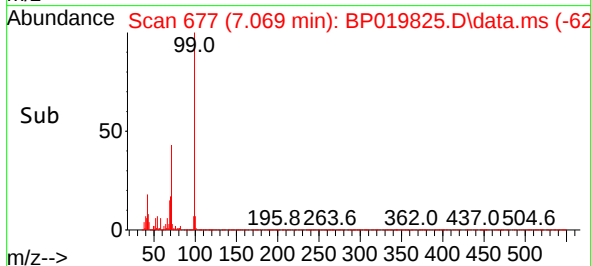
Instrument :
BNA_P
ClientSampleId :
9



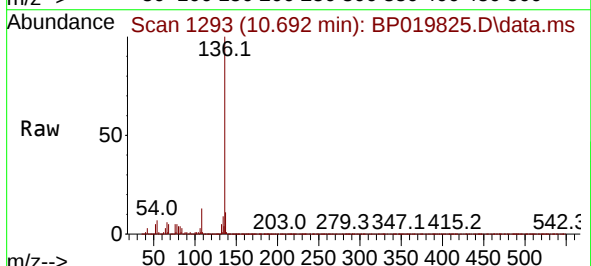
Tgt Ion: 99 Resp: 382159
Ion Ratio Lower Upper
99 100
42 18.1 14.7 22.1
71 43.4 34.8 52.2

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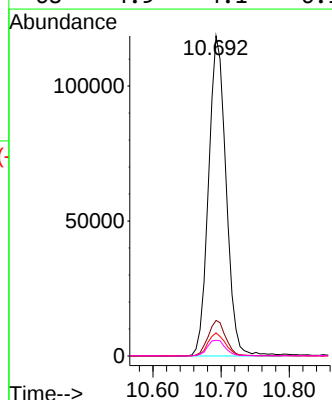
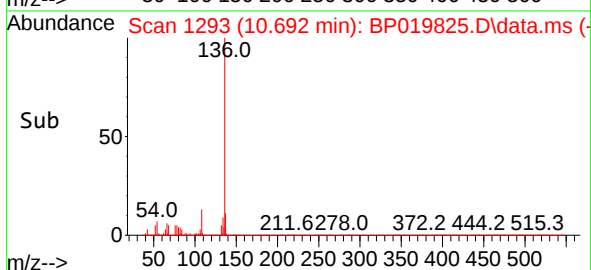
Reviewed By :Yogesh Patel 02/23/2024
Supervised By :mohammad ahmed 02/23/2024

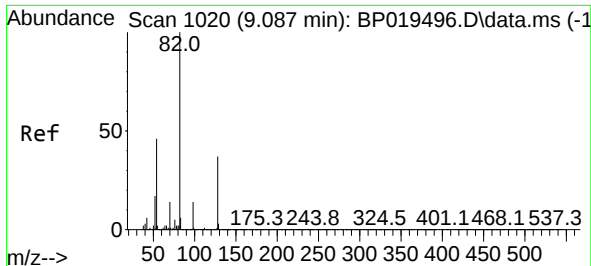


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.692 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BP019825.D
Acq: 22 Feb 2024 15:32



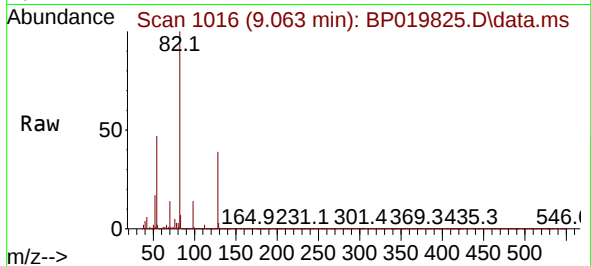
Tgt Ion:136 Resp: 212257
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 7.2 5.3 7.9
68 4.9 4.1 6.1





#23
Nitrobenzene-d5
Concen: 53.941 ng
RT: 9.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BP019825.D
Acq: 22 Feb 2024 15:32

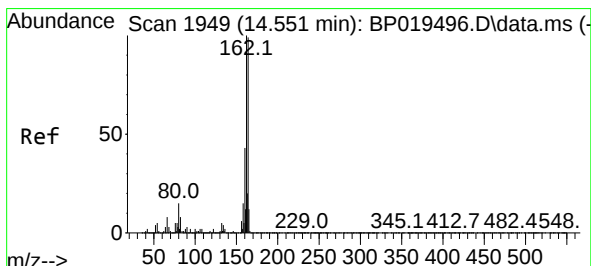
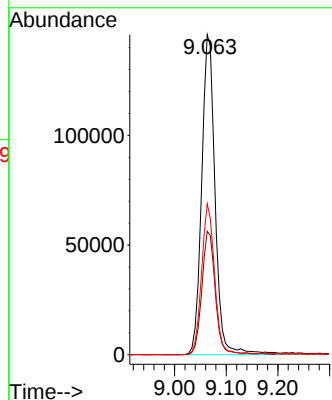
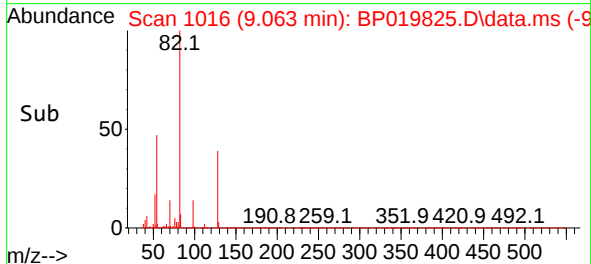
Instrument :
BNA_P
ClientSampleId :
9



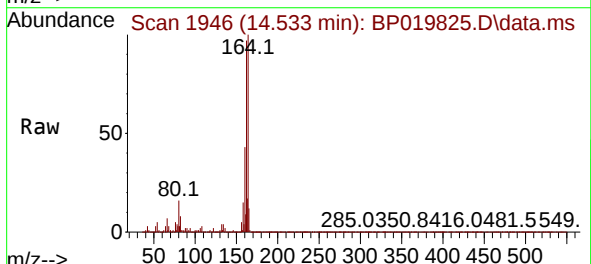
Tgt Ion: 82 Resp: 264228
Ion Ratio Lower Upper
82 100
128 38.6 29.7 44.5
54 47.2 36.8 55.2

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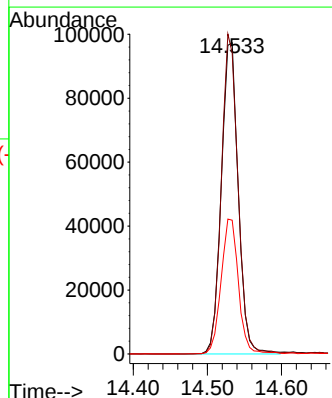
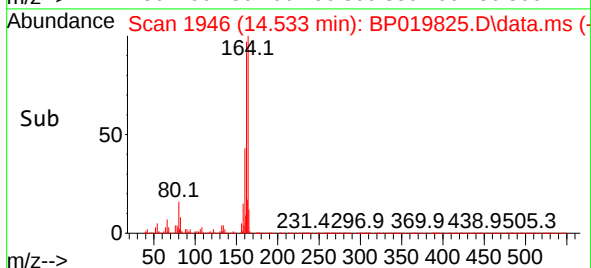
Reviewed By :Yogesh Patel 02/23/2024
Supervised By :mohammad ahmed 02/23/2024

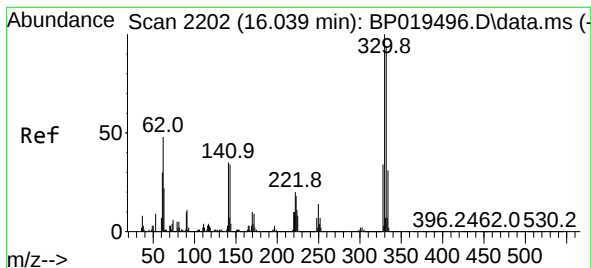


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.533 min Scan# 1946
Delta R.T. -0.006 min
Lab File: BP019825.D
Acq: 22 Feb 2024 15:32



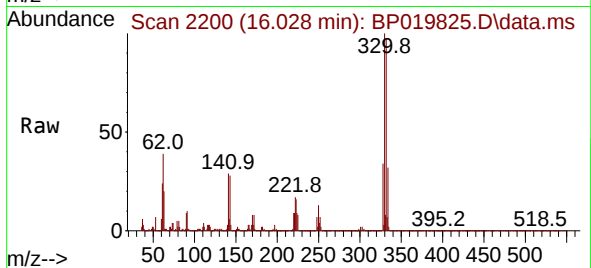
Tgt Ion:164 Resp: 154579
Ion Ratio Lower Upper
164 100
162 96.7 81.2 121.8
160 43.0 35.1 52.7





#42
2,4,6-Tribromophenol
Concen: 105.674 ng
RT: 16.028 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP019825.D
Acq: 22 Feb 2024 15:32

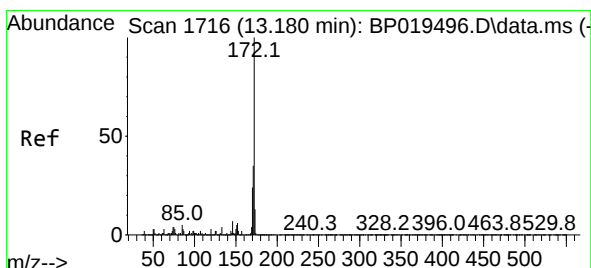
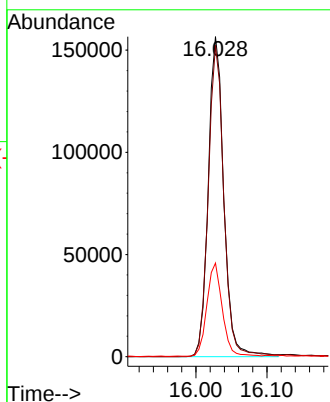
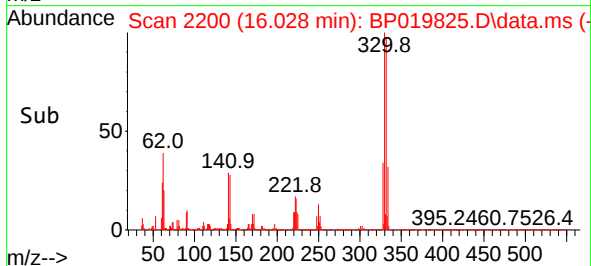
Instrument :
BNA_P
ClientSampleId :
9



Tgt Ion:330 Resp: 23850
Ion Ratio Lower Upper
330 100
332 97.2 77.2 115.8
141 28.7 27.0 40.4

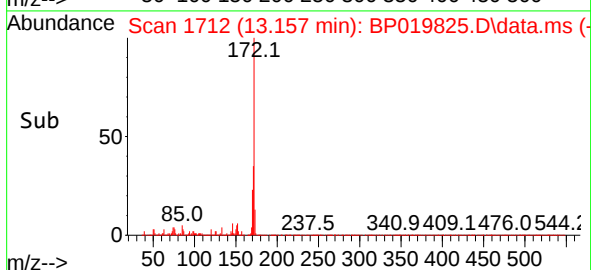
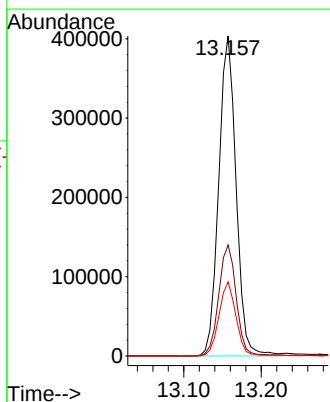
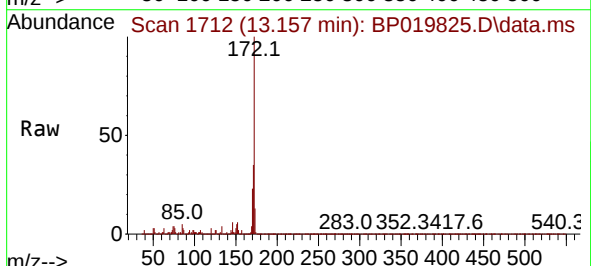
Manual Integrations
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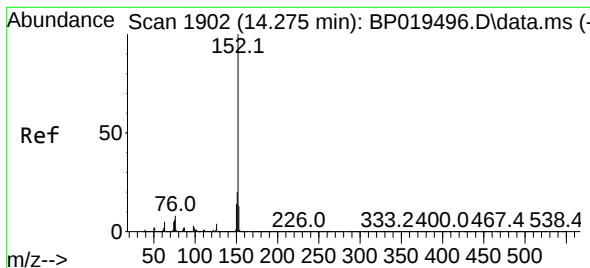
Reviewed By :Yogesh Patel 02/23/2024
Supervised By :mohammad ahmed 02/23/2024



#45
2-Fluorobiphenyl
Concen: 50.223 ng
RT: 13.157 min Scan# 1712
Delta R.T. -0.006 min
Lab File: BP019825.D
Acq: 22 Feb 2024 15:32

Tgt Ion:172 Resp: 627988
Ion Ratio Lower Upper
172 100
171 34.6 28.2 42.4
170 23.1 18.9 28.3





#49

Acenaphthylene

Concen: 2.689 ng

RT: 14.257 min Scan# 1899

Delta R.T. -0.006 min

Lab File: BP019825.D

Acq: 22 Feb 2024 15:32

Instrument :

BNA_P

ClientSampleId :

9

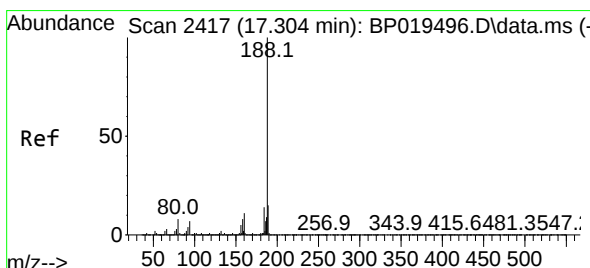
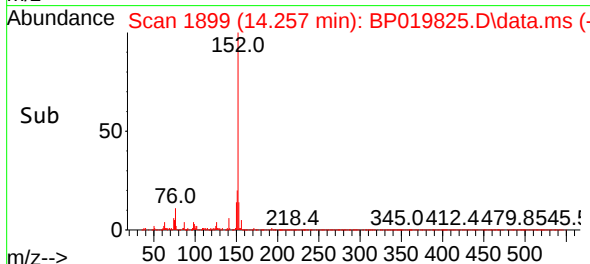
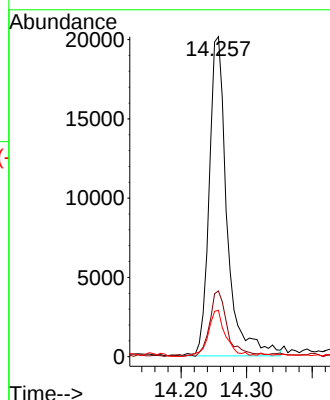
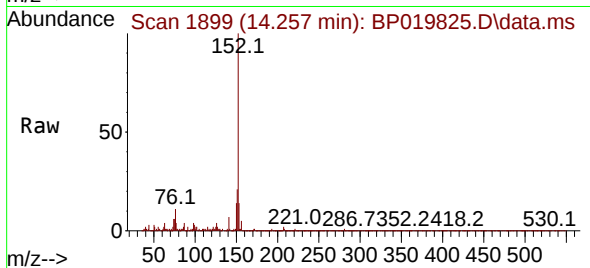
Tgt Ion:	152	Resp:	38200
Ion Ratio	Lower	Upper	
152	100		
151	20.6	15.8	23.6
153	14.5	10.6	15.8

Manual Integrations

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Reviewed By :Yogesh Patel 02/23/2024

Supervised By :mohammad ahmed 02/23/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

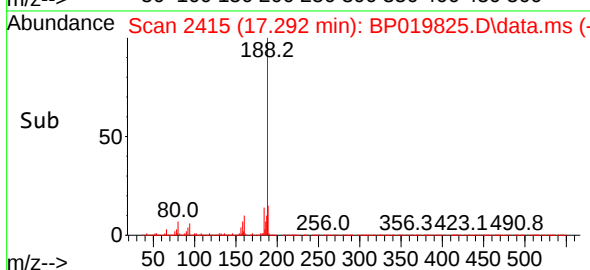
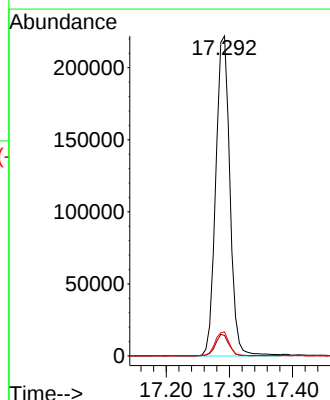
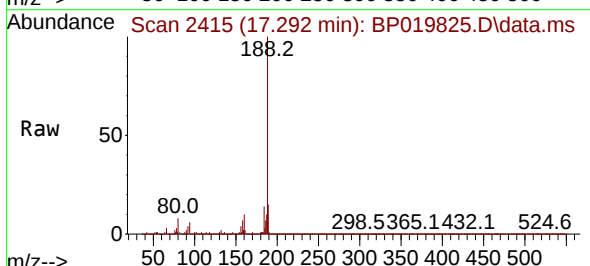
RT: 17.292 min Scan# 2415

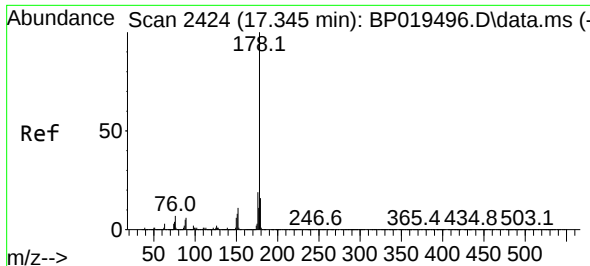
Delta R.T. -0.000 min

Lab File: BP019825.D

Acq: 22 Feb 2024 15:32

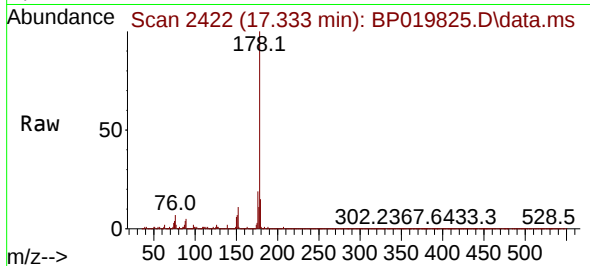
Tgt Ion:	188	Resp:	344834
Ion Ratio	Lower	Upper	
188	100		
94	6.4	5.4	8.2
80	7.5	6.3	9.5





#71
Phenanthrene
Concen: 11.765 ng
RT: 17.333 min Scan# 2422
Delta R.T. -0.006 min
Lab File: BP019825.D
Acq: 22 Feb 2024 15:32

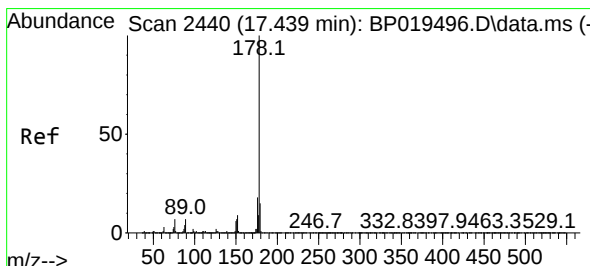
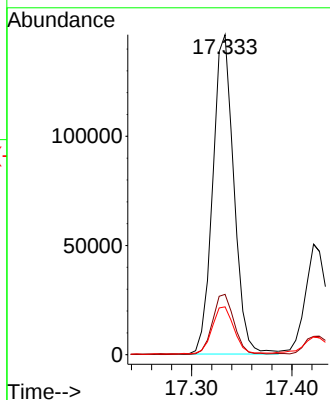
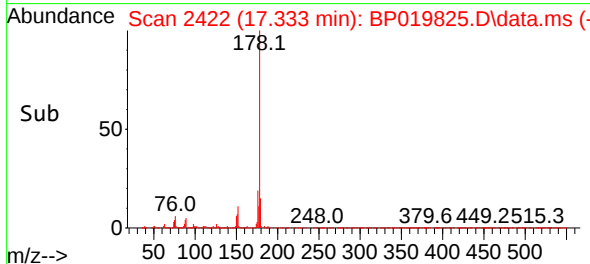
Instrument : BNA_P
ClientSampleId : 9



Tgt Ion:178 Resp: 213510
Ion Ratio Lower Upper
178 100
176 18.9 15.5 23.3
179 15.0 12.6 19.0

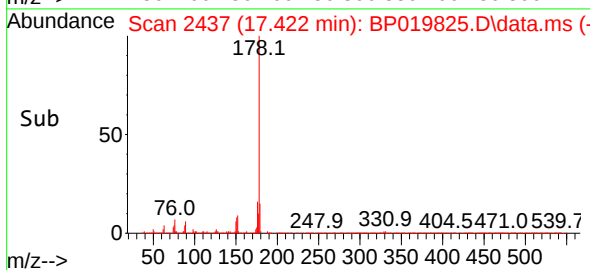
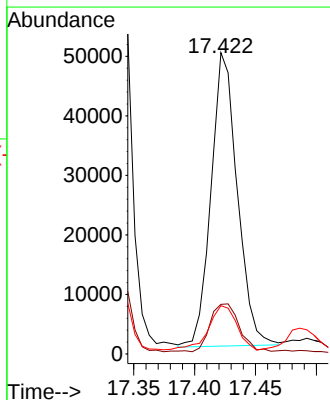
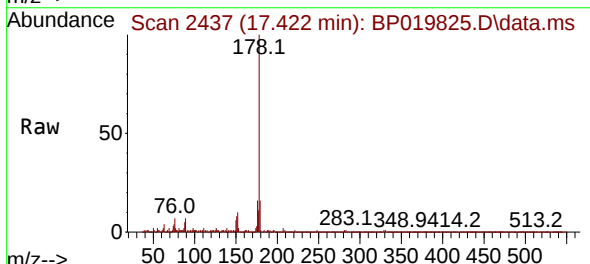
Manual Integrations
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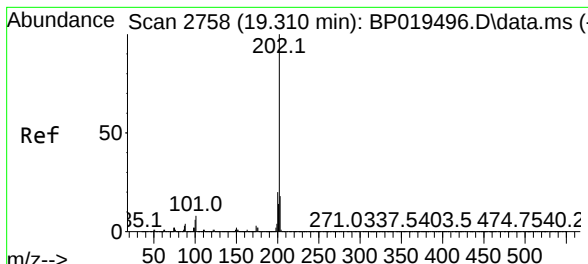
Reviewed By :Yogesh Patel 02/23/2024
Supervised By :mohammad ahmed 02/23/2024



#72
Anthracene
Concen: 4.093 ng
RT: 17.422 min Scan# 2437
Delta R.T. -0.006 min
Lab File: BP019825.D
Acq: 22 Feb 2024 15:32

Tgt Ion:178 Resp: 74100
Ion Ratio Lower Upper
178 100
176 16.5 14.7 22.1
179 16.1 12.2 18.2



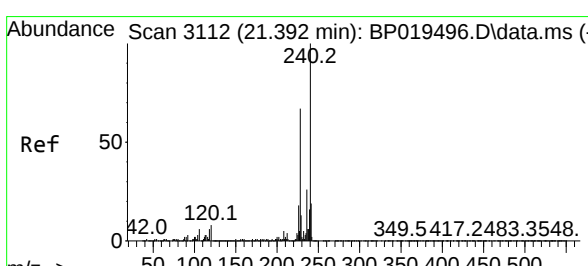
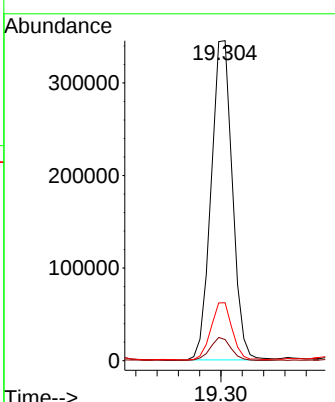
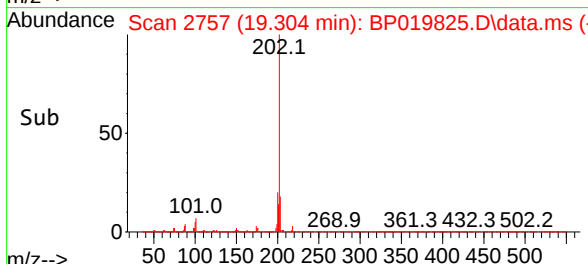
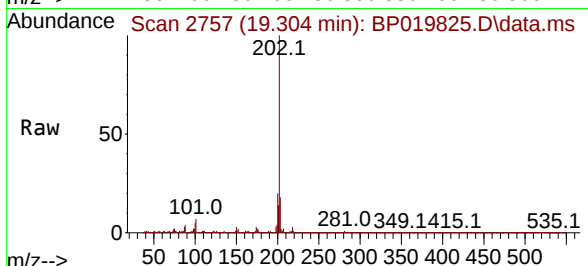


#75
 Fluoranthene
 Concen: 21.535 ng
 RT: 19.304 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BP019825.D
 Acq: 22 Feb 2024 15:32

Instrument : BNA_P
 ClientSampleId : 9

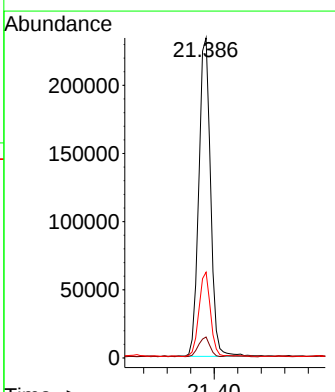
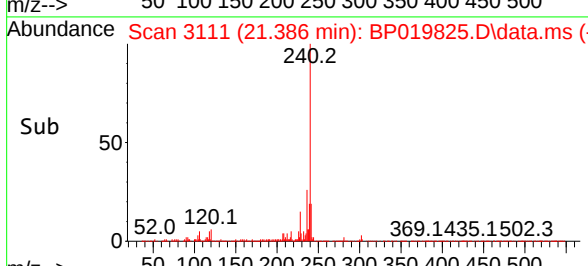
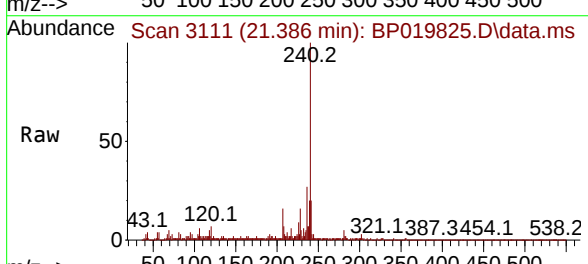
Tgt Ion:	202	Resp:	47741
Ion Ratio	Lower	Upper	
202	100		
101	6.6	0.0	27.7
203	18.1	0.0	37.5

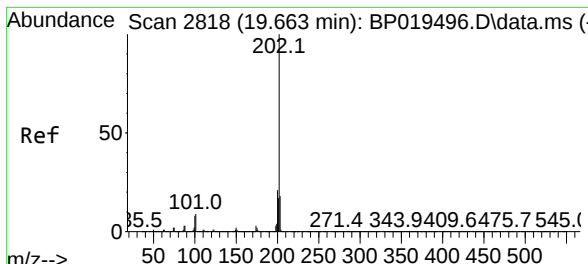
Manual Integrations
APPROVED
 Reviewed By :Yogesh Patel 02/23/2024
 Supervised By :mohammad ahmed 02/23/2024



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.386 min Scan# 3111
 Delta R.T. -0.006 min
 Lab File: BP019825.D
 Acq: 22 Feb 2024 15:32

Tgt Ion:	240	Resp:	325956
Ion Ratio	Lower	Upper	
240	100		
120	6.5	6.1	9.1
236	26.8	20.7	31.1



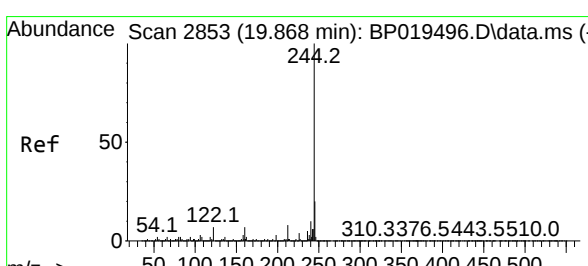
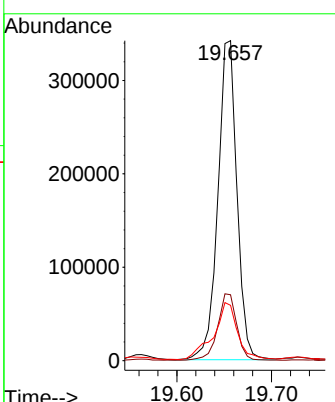
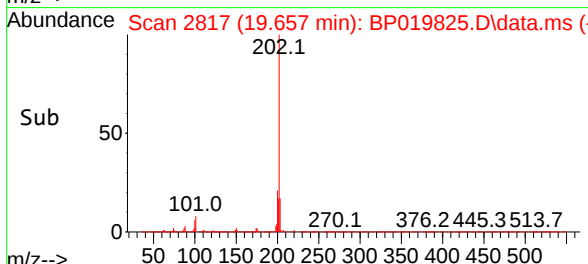
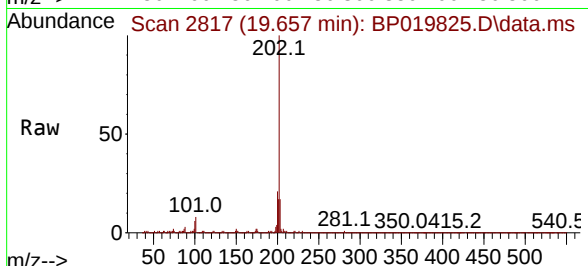


#78
 Pyrene
 Concen: 20.786 ng
 RT: 19.657 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BP019825.D
 Acq: 22 Feb 2024 15:32

Instrument : BNA_P
 ClientSampleId : 9

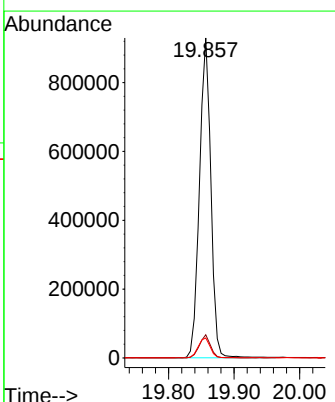
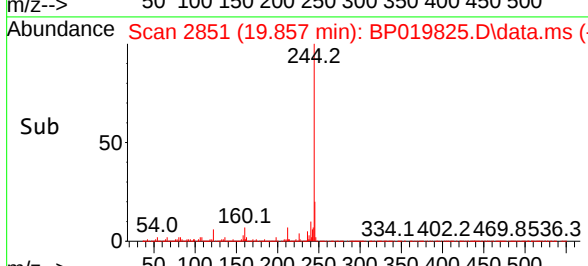
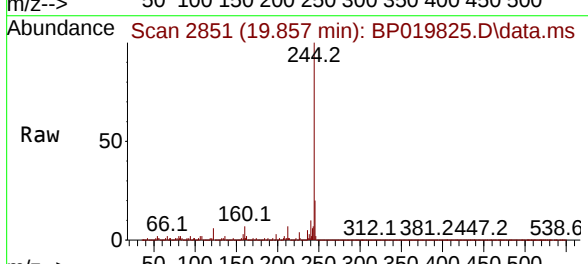
Tgt Ion:	202	Resp:	47818
Ion Ratio	Lower	Upper	
202	100		
200	20.6	16.9	25.3
203	17.3	14.2	21.2

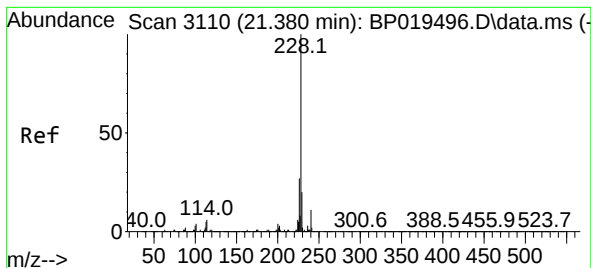
Manual Integrations
APPROVED
 Reviewed By :Yogesh Patel 02/23/2024
 Supervised By :mohammad ahmed 02/23/2024



#79
 Terphenyl-d14
 Concen: 56.721 ng
 RT: 19.857 min Scan# 2851
 Delta R.T. -0.006 min
 Lab File: BP019825.D
 Acq: 22 Feb 2024 15:32

Tgt Ion:	244	Resp:	1124241
Ion Ratio	Lower	Upper	
244	100		
212	7.2	6.1	9.1
122	6.2	5.9	8.9





#81

Benzo(a)anthracene

Concen: 11.796 ng

RT: 21.368 min Scan# 3110

Delta R.T. -0.006 min

Lab File: BP019825.D

Acq: 22 Feb 2024 15:32

Instrument :

BNA_P

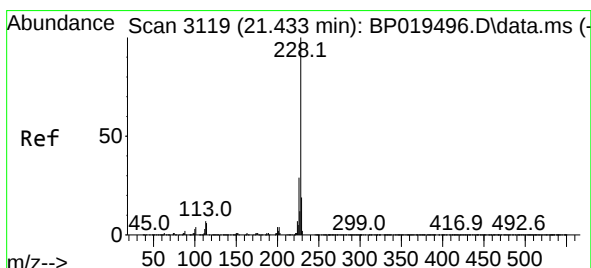
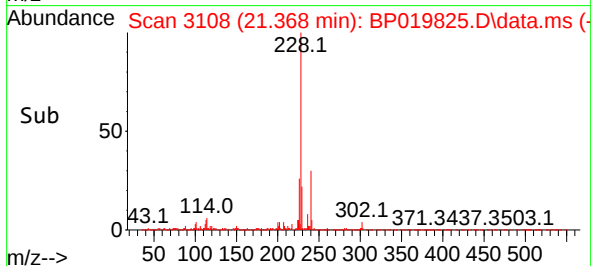
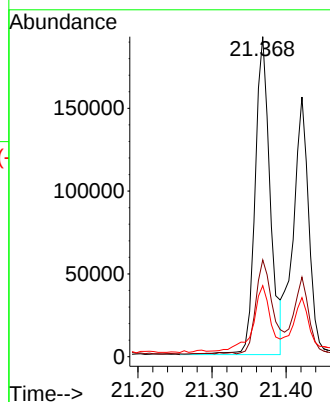
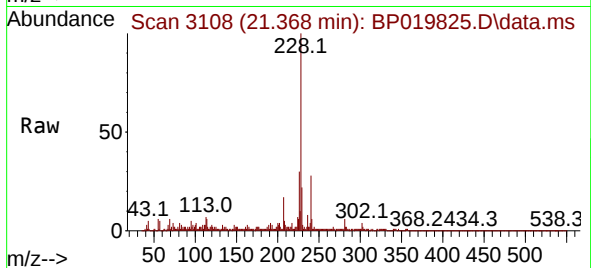
ClientSampleId :

9

Tgt Ion:228 Resp: 270654
 Ion Ratio Lower Upper
 228 100
 226 30.2 21.7 32.5
 229 22.2 15.6 23.4

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



#83

Chrysene

Concen: 10.255 ng

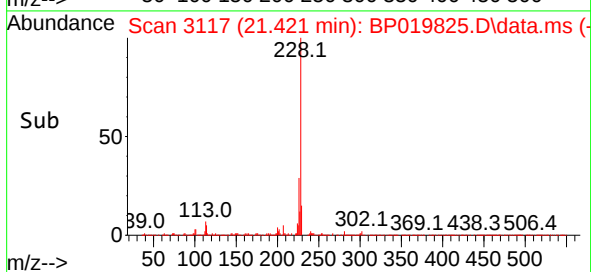
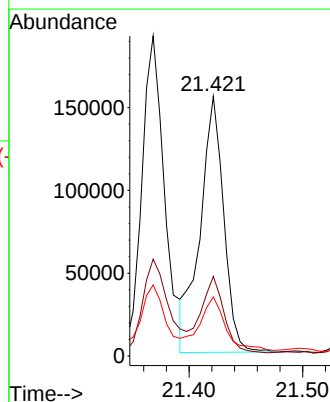
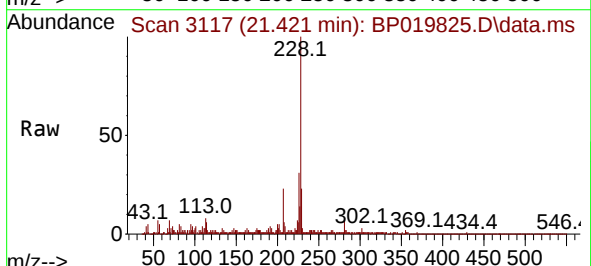
RT: 21.421 min Scan# 3117

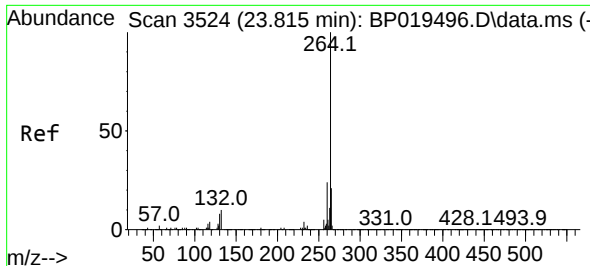
Delta R.T. -0.006 min

Lab File: BP019825.D

Acq: 22 Feb 2024 15:32

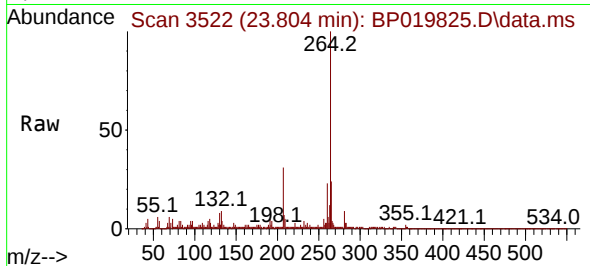
Tgt Ion:228 Resp: 223391
 Ion Ratio Lower Upper
 228 100
 226 30.6 23.4 35.2
 229 22.7 15.6 23.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.804 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP019825.D
Acq: 22 Feb 2024 15:32

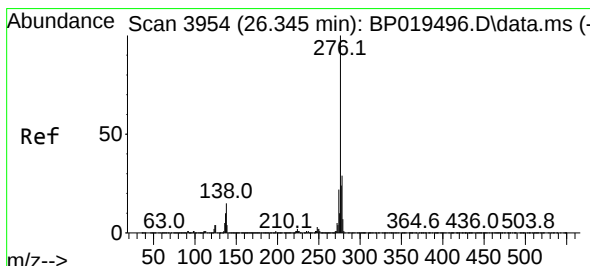
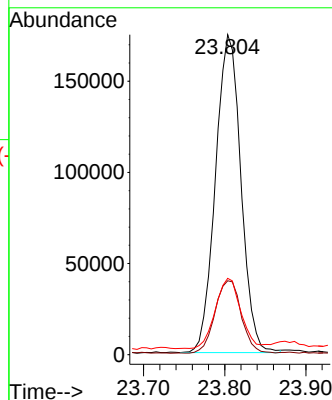
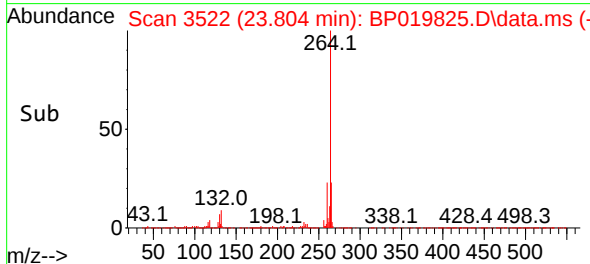
Instrument :
BNA_P
ClientSampleId :
9



Tgt Ion:264 Resp: 379984
Ion Ratio Lower Upper
264 100
260 23.1 19.2 28.8
265 23.9 17.0 25.4

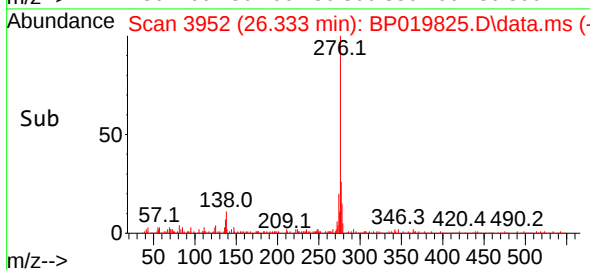
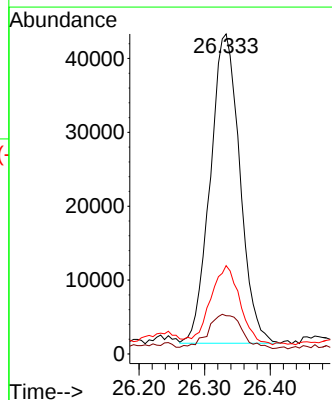
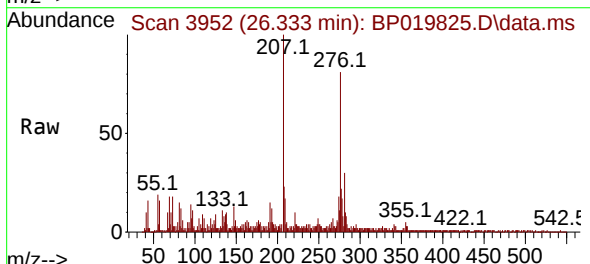
Manual Integrations
APPROVED

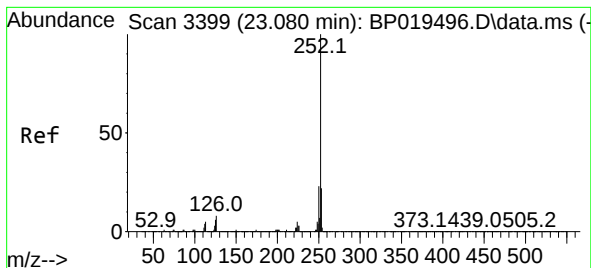
Reviewed By :Yogesh Patel 02/23/2024
Supervised By :mohammad ahmed 02/23/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.517 ng
RT: 26.333 min Scan# 3952
Delta R.T. -0.012 min
Lab File: BP019825.D
Acq: 22 Feb 2024 15:32

Tgt Ion:276 Resp: 131374
Ion Ratio Lower Upper
276 100
138 12.6 13.1 19.7#
277 26.2 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 11.737 ng

RT: 23.068 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP019825.D

Acq: 22 Feb 2024 15:32

Instrument :

BNA_P

ClientSampleId :

9

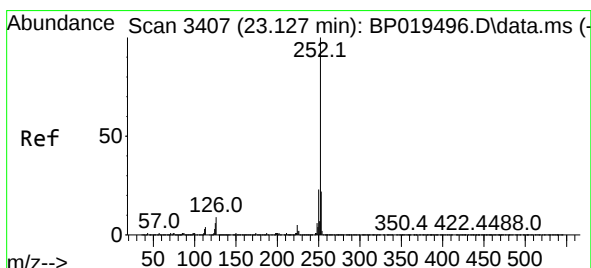
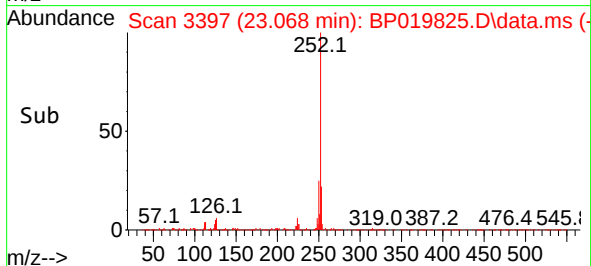
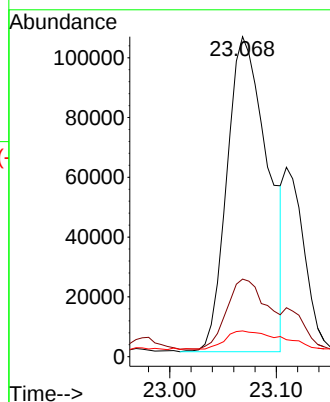
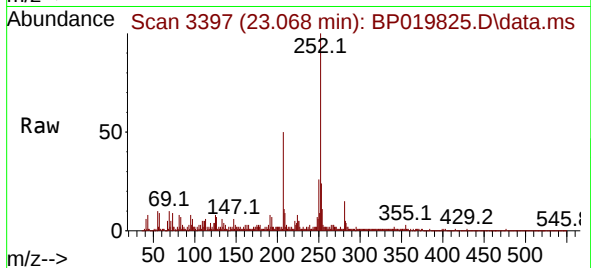
Tgt Ion:252 Resp: 281070
 Ion Ratio Lower Upper
 252 100
 253 24.2 17.3 25.9
 125 8.0 4.9 7.3

Manual Integrations

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Reviewed By :Yogesh Patel 02/23/2024

Supervised By :mohammad ahmed 02/23/2024



#89

Benzo(k)fluoranthene

Concen: 3.584 ng m

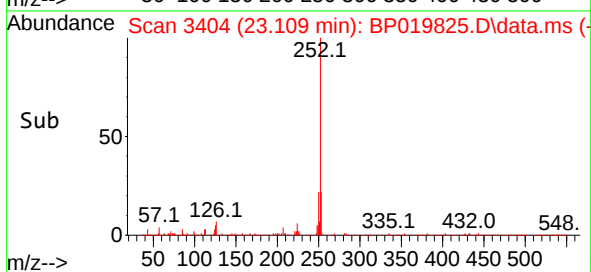
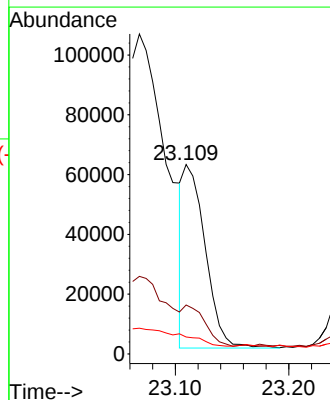
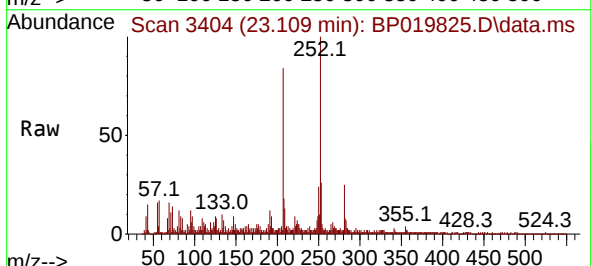
RT: 23.109 min Scan# 3404

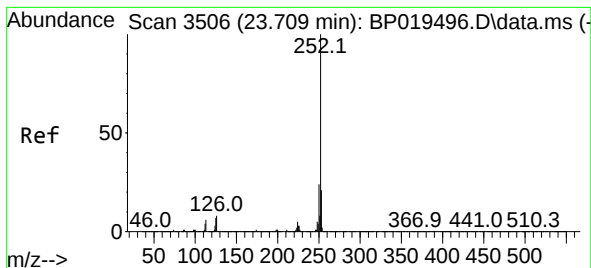
Delta R.T. -0.012 min

Lab File: BP019825.D

Acq: 22 Feb 2024 15:32

Tgt Ion:252 Resp: 81985
 Ion Ratio Lower Upper
 252 100
 253 25.8 17.1 25.7#
 125 8.9 5.0 7.6#





#90

Benzo(a)pyrene

Concen: 10.103 ng

RT: 23.698 min Scan# 3506

Delta R.T. -0.006 min

Lab File: BP019825.D

Acq: 22 Feb 2024 15:32

Instrument :

BNA_P

ClientSampleId :

9

Tgt Ion: 252 Resp: 215280

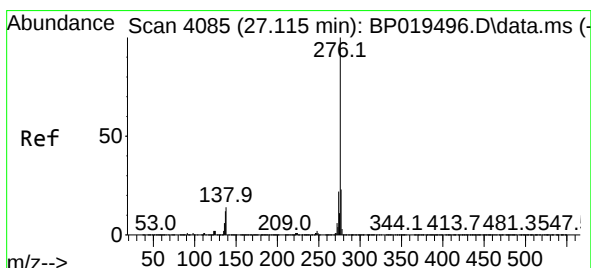
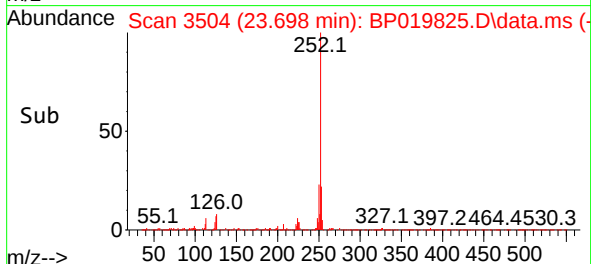
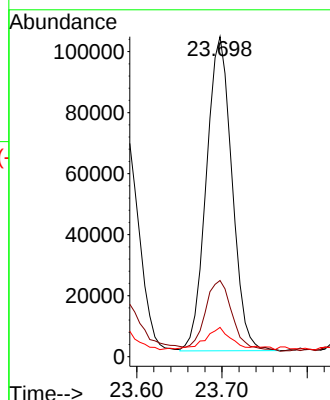
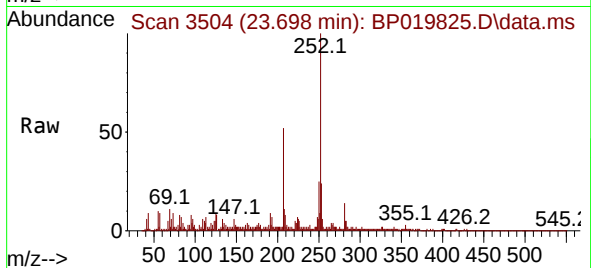
Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.1	25.7
125	9.1	5.6	8.4

Manual Integrations

APPROVED

Reviewed By : Yogesh Patel 02/23/2024

Supervised By : mohammad ahmed 02/23/2024



#92

Benzo(g,h,i)perylene

Concen: 5.456 ng

RT: 27.109 min Scan# 4084

Delta R.T. -0.012 min

Lab File: BP019825.D

Acq: 22 Feb 2024 15:32

Tgt Ion: 276 Resp: 132425

Ion	Ratio	Lower	Upper
276	100		
277	27.0	18.6	28.0
138	12.7	10.9	16.3

