

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082824\
 Data File : BM047377.D
 Acq On : 28 Aug 2024 12:22
 Operator : RC/JU
 Sample : P3739-09
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-2

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 08/29/2024
 Supervised By :mohammad ahmed 08/30/2024

Quant Time: Aug 28 13:10:02 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 26 18:11:40 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.345	152	264640	20.000	ng	0.00
21) Naphthalene-d8	10.104	136	1013375	20.000	ng	0.00
39) Acenaphthene-d10	14.010	164	694984	20.000	ng	0.00
64) Phenanthrene-d10	16.774	188	1492832	20.000	ng	0.00
76) Chrysene-d12	21.021	240	1302889	20.000	ng	0.00
86) Perylene-d12	23.721	264	1284049	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.010	112	1865140	135.217	ng	0.00
7) Phenol-d6	6.575	99	2534637	134.888	ng	0.00
23) Nitrobenzene-d5	8.498	82	1581958	86.618	ng	0.00
42) 2,4,6-Tribromophenol	15.527	330	1206165	143.850	ng	0.00
45) 2-Fluorobiphenyl	12.616	172	3549488	78.474	ng	0.00
79) Terphenyl-d14	19.445	244	5360129	73.228	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	16.815	178	312876	4.316	ng	99
75) Fluoranthene	18.856	202	701306	8.238	ng	99
78) Pyrene	19.221	202	588832	5.893	ng	99
81) Benzo(a)anthracene	21.003	228	452005	5.320	ng	98
83) Chrysene	21.062	228	486904m	6.092	ng	
87) Indeno(1,2,3-cd)pyrene	26.721	276	210792	2.622	ng	98
88) Benzo(b)fluoranthene	22.880	252	476989	6.367	ng	99
89) Benzo(k)fluoranthene	22.927	252	274062m	3.859	ng	
90) Benzo(a)pyrene	23.597	252	301863	4.659	ng	98
92) Benzo(g,h,i)perylene	27.650	276	184218	2.721	ng	98

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

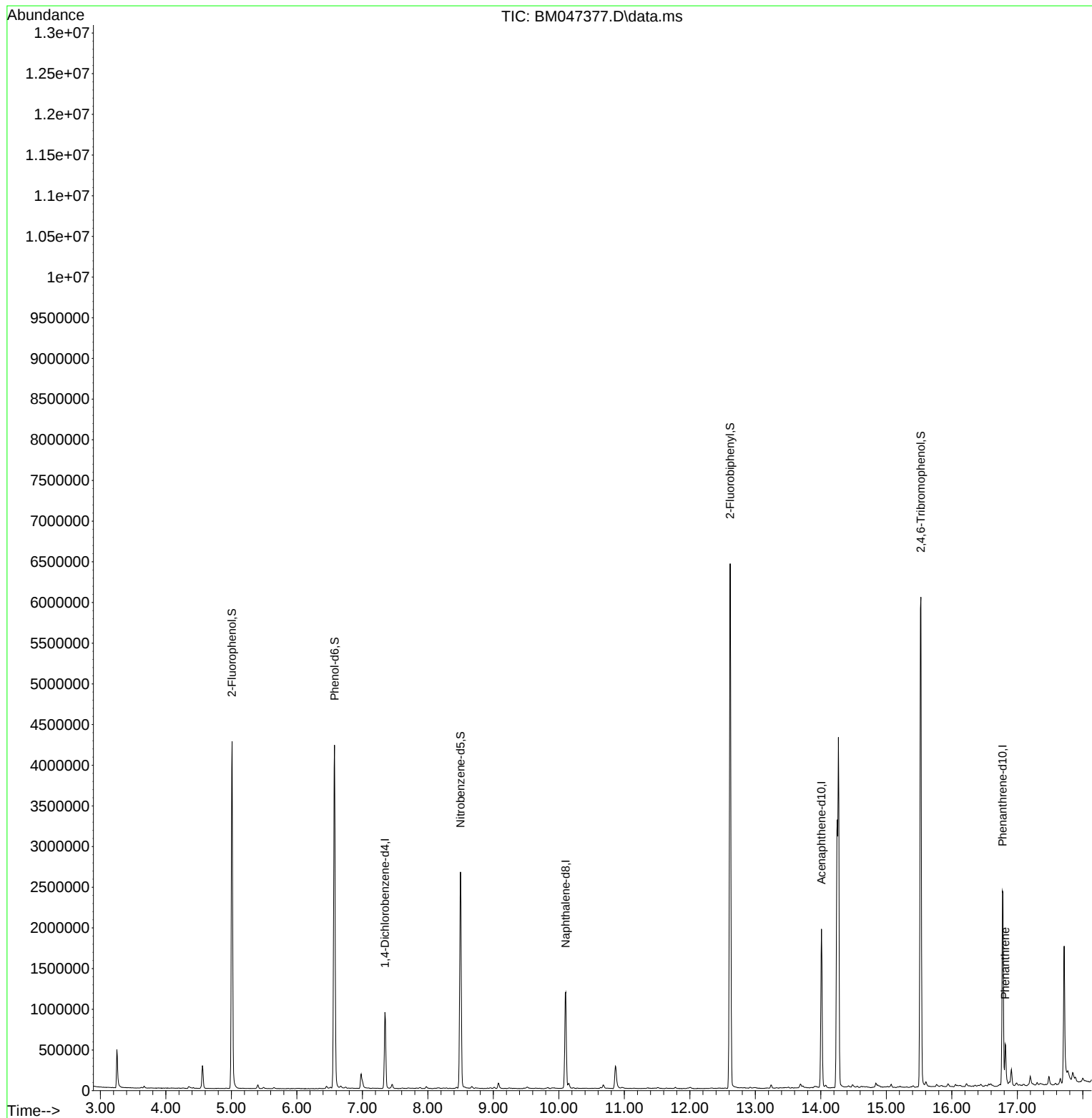
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082824\
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WC-2

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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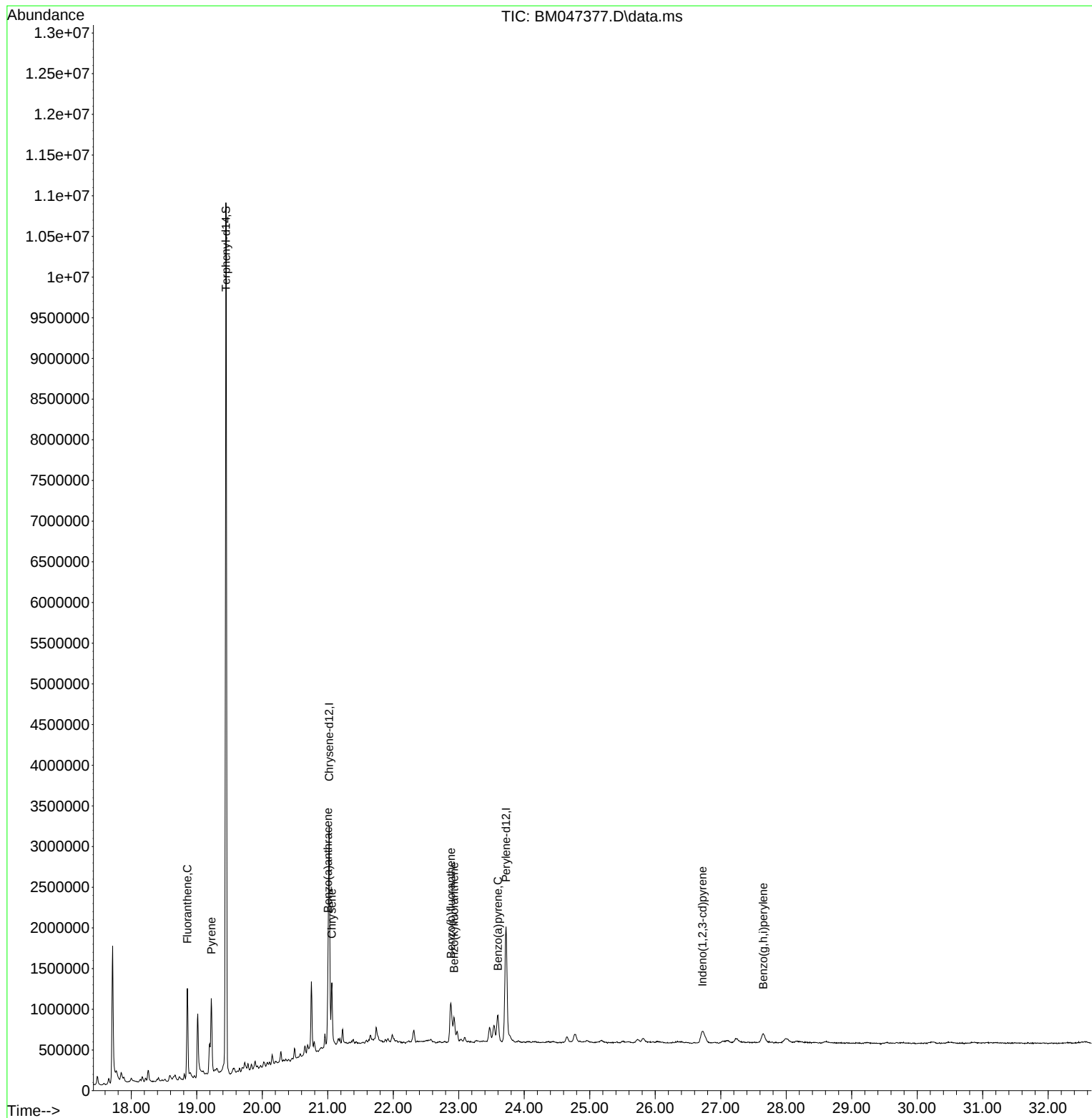
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082824\
Data File : BM047377.D
Acq On : 28 Aug 2024 12:22
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Sample : P3739-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

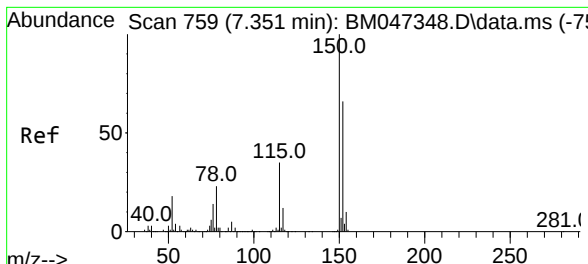
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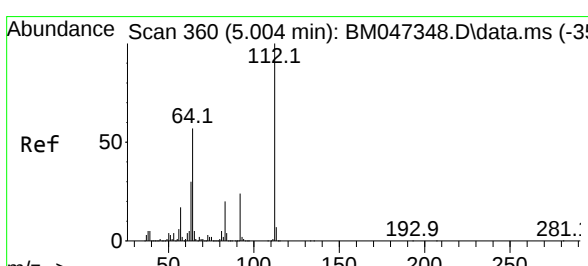
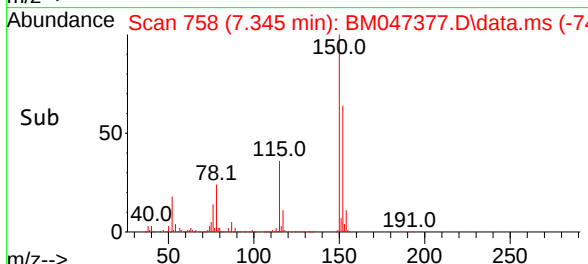
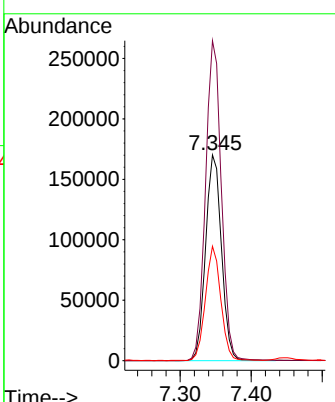
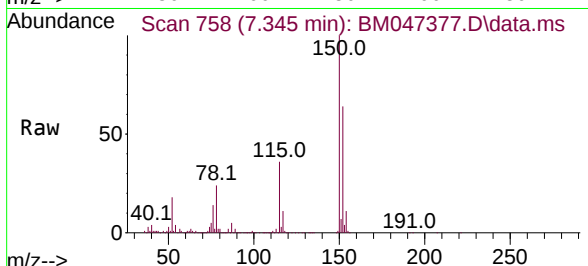
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.345 min Scan# 758
 Delta R.T. -0.006 min
 Lab File: BM047377.D
 Acq: 28 Aug 2024 12:22

Instrument : BNA_M
 ClientSampleId : WC-2

Tgt Ion:	152	Resp:	264640
Ion Ratio	Lower	Upper	
152	100		
150	155.5	121.3	181.9
115	55.6	42.6	64.0

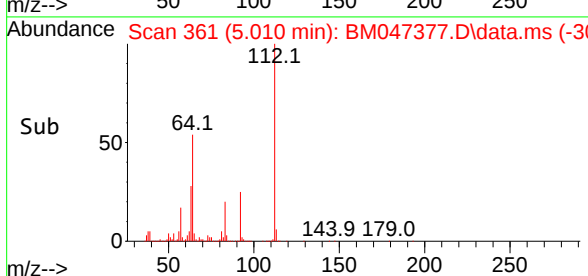
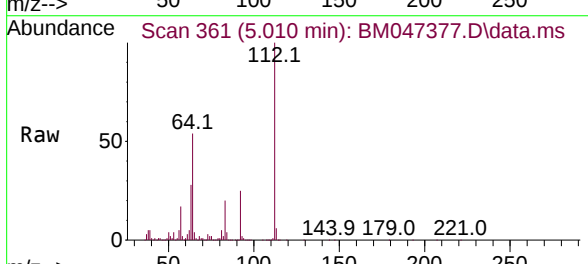
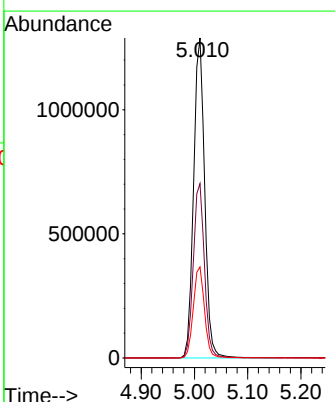
Manual Integrations
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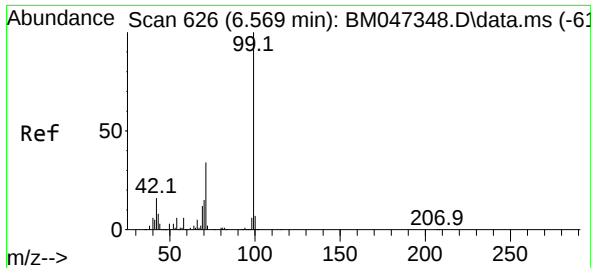
Reviewed By :Jagrut Upadhyay 08/29/2024
 Supervised By :mohammad ahmed 08/30/2024



#5
 2-Fluorophenol
 Concen: 135.217 ng
 RT: 5.010 min Scan# 361
 Delta R.T. 0.006 min
 Lab File: BM047377.D
 Acq: 28 Aug 2024 12:22

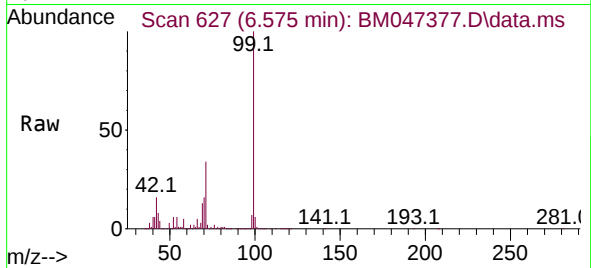
Tgt Ion:	112	Resp:	1865140
Ion Ratio	Lower	Upper	
112	100		
64	54.5	45.7	68.5
63	28.5	23.8	35.8





#7
Phenol-d6
Concen: 134.888 ng
RT: 6.575 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM047377.D
Acq: 28 Aug 2024 12:22

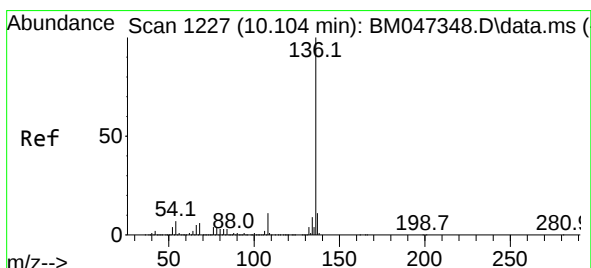
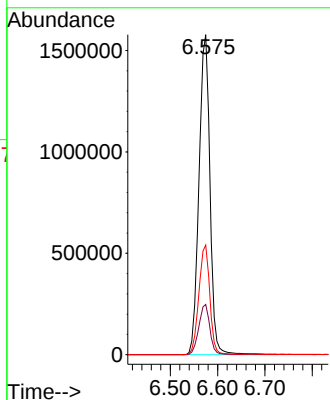
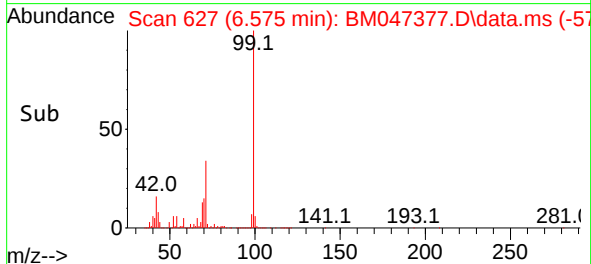
Instrument :
BNA_M
ClientSampleId :
WC-2



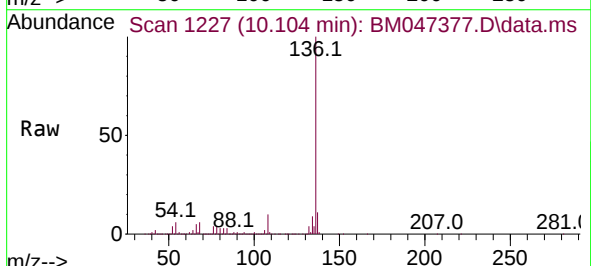
Tgt Ion: 99 Resp: 253463
Ion Ratio Lower Upper
99 100
42 15.7 13.0 19.4
71 34.3 27.5 41.3

Manual Integrations
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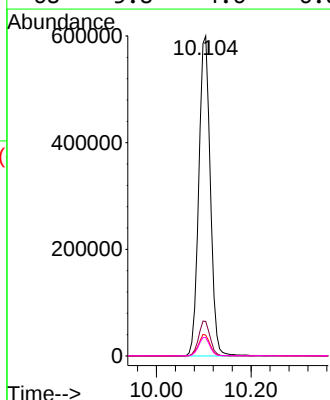
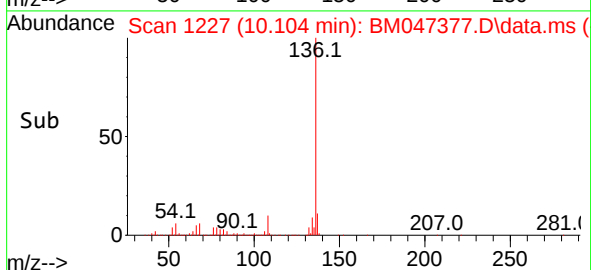
Reviewed By :Jagrut Upadhyay 08/29/2024
Supervised By :mohammad ahmed 08/30/2024

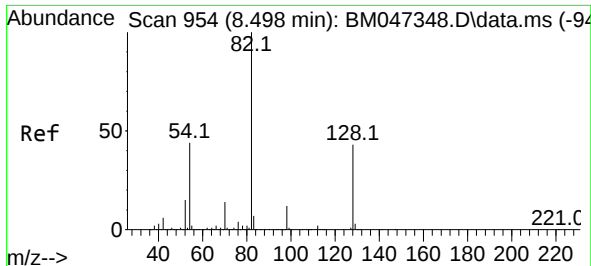


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.104 min Scan# 1227
Delta R.T. 0.000 min
Lab File: BM047377.D
Acq: 28 Aug 2024 12:22



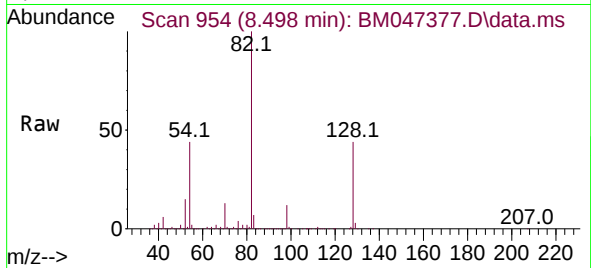
Tgt Ion:136 Resp: 1013375
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 6.5 5.2 7.8
68 5.8 4.6 6.8





#23
Nitrobenzene-d5
Concen: 86.618 ng
RT: 8.498 min Scan# 954
Delta R.T. 0.000 min
Lab File: BM047377.D
Acq: 28 Aug 2024 12:22

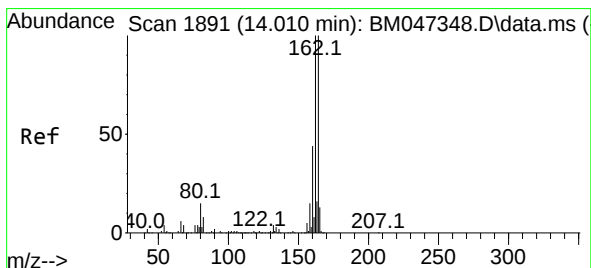
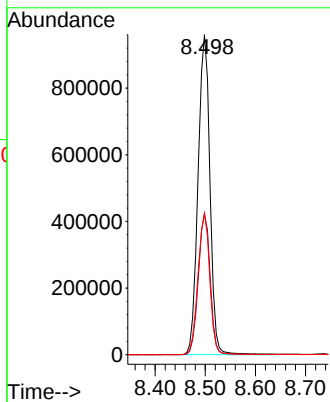
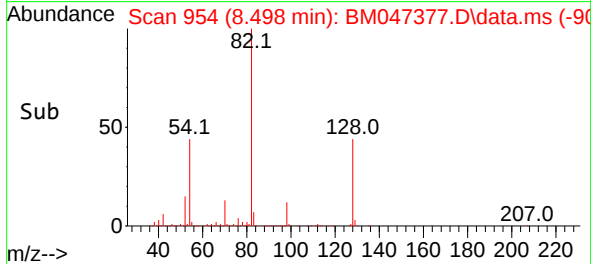
Instrument :
BNA_M
ClientSampleId :
WC-2



Tgt Ion: 82 Resp: 1581958
Ion Ratio Lower Upper
82 100
128 44.1 34.6 51.8
54 44.1 35.5 53.3

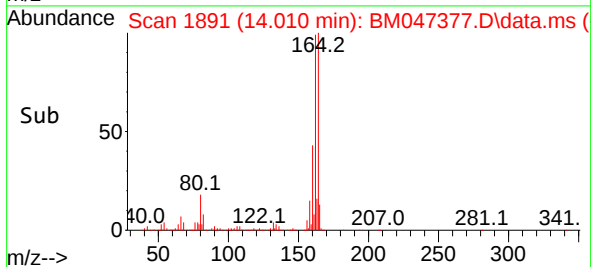
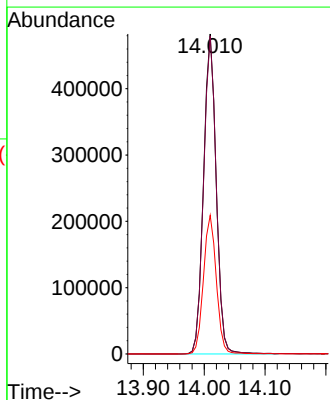
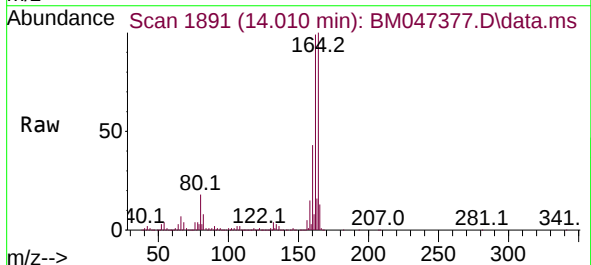
Manual Integrations
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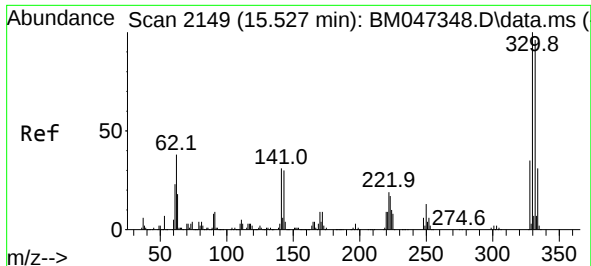
Reviewed By :Jagrut Upadhyay 08/29/2024
Supervised By :mohammad ahmed 08/30/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.010 min Scan# 1891
Delta R.T. -0.000 min
Lab File: BM047377.D
Acq: 28 Aug 2024 12:22

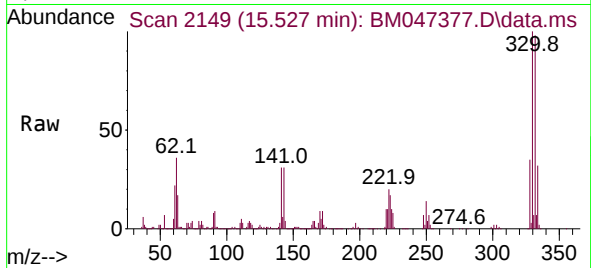
Tgt Ion:164 Resp: 694984
Ion Ratio Lower Upper
164 100
162 99.4 79.7 119.5
160 43.3 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 143.850 ng
RT: 15.527 min Scan# 2149
Delta R.T. 0.000 min
Lab File: BM047377.D
Acq: 28 Aug 2024 12:22

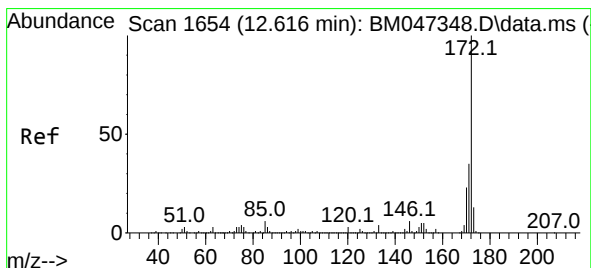
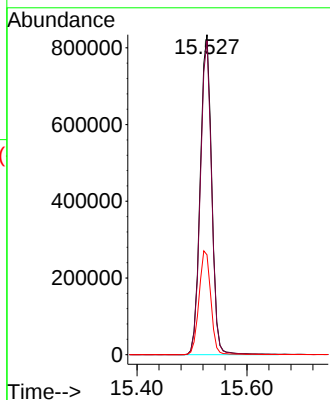
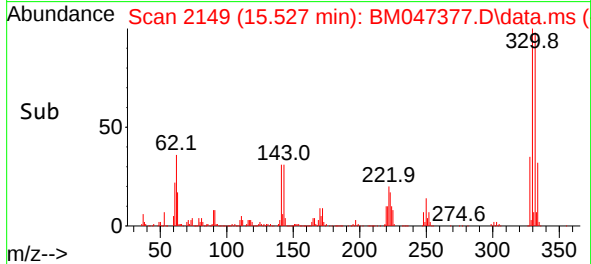
Instrument :
BNA_M
ClientSampleId :
WC-2



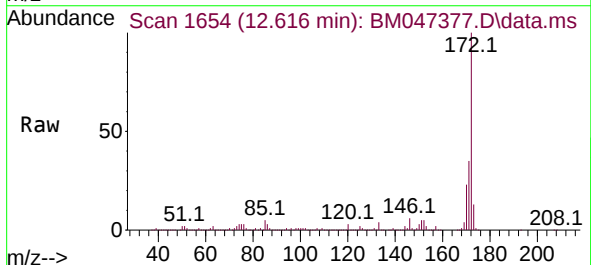
Tgt Ion:330 Resp: 120616
Ion Ratio Lower Upper
330 100
332 96.9 77.2 115.8
141 33.3 27.6 41.4

Manual Integrations
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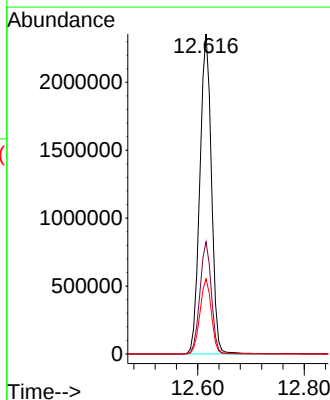
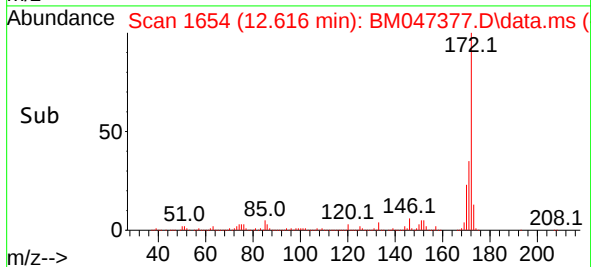
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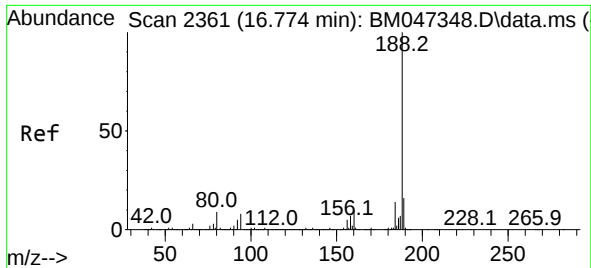


#45
2-Fluorobiphenyl
Concen: 78.474 ng
RT: 12.616 min Scan# 1654
Delta R.T. 0.000 min
Lab File: BM047377.D
Acq: 28 Aug 2024 12:22



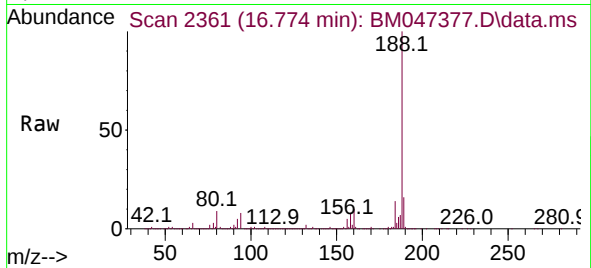
Tgt Ion:172 Resp: 3549488
Ion Ratio Lower Upper
172 100
171 35.0 27.8 41.6
170 23.5 18.5 27.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.774 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047377.D
Acq: 28 Aug 2024 12:22

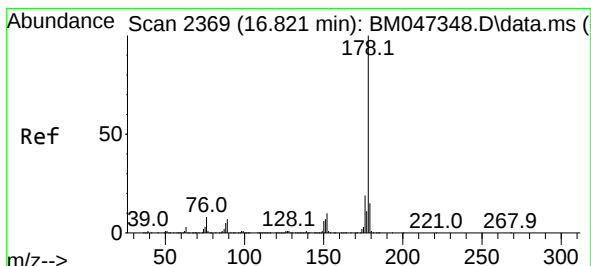
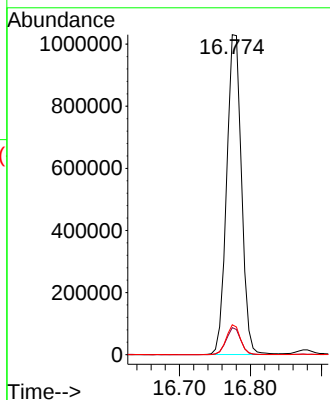
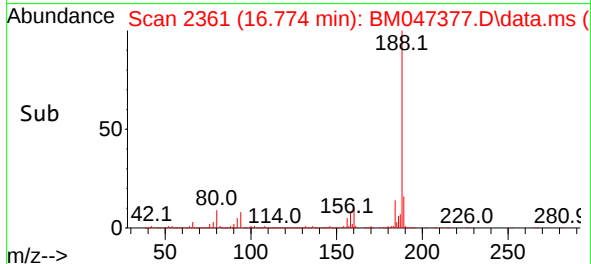
Instrument :
BNA_M
ClientSampleId :
WC-2



Tgt Ion:188 Resp: 149283
Ion Ratio Lower Upper
188 100
94 8.4 6.4 9.6
80 9.4 7.4 11.2

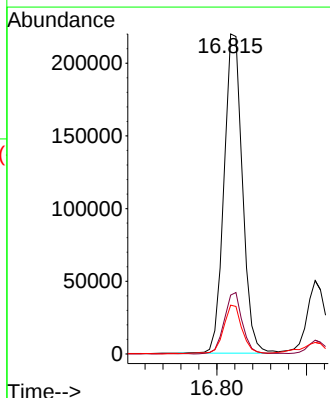
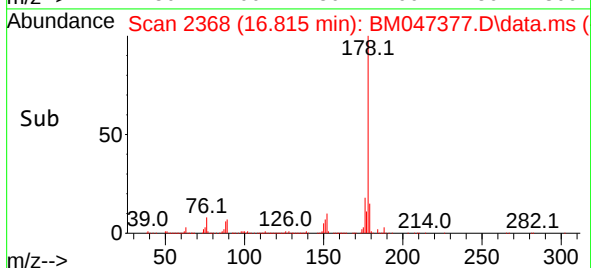
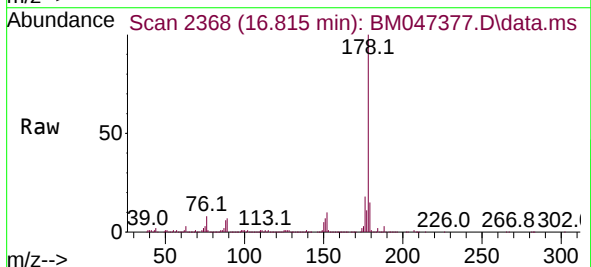
Manual Integrations
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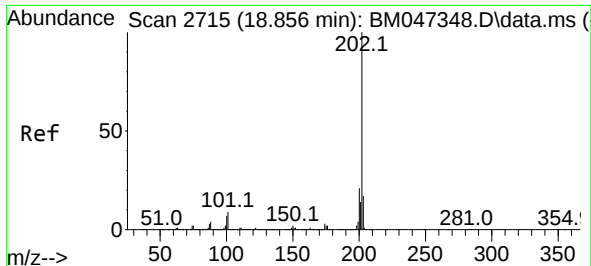
Reviewed By :Jagrut Upadhyay 08/29/2024
Supervised By :mohammad ahmed 08/30/2024



#71
Phenanthrene
Concen: 4.316 ng
RT: 16.815 min Scan# 2368
Delta R.T. -0.006 min
Lab File: BM047377.D
Acq: 28 Aug 2024 12:22

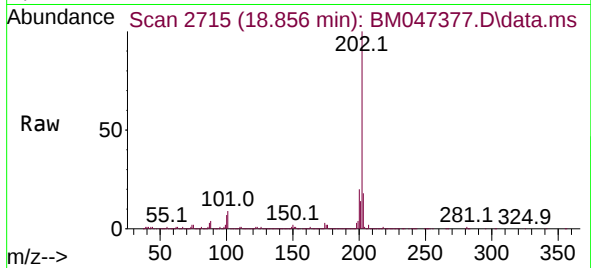
Tgt Ion:178 Resp: 312876
Ion Ratio Lower Upper
178 100
176 18.4 15.2 22.8
179 15.3 12.2 18.4





#75
Fluoranthene
Concen: 8.238 ng
RT: 18.856 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047377.D
Acq: 28 Aug 2024 12:22

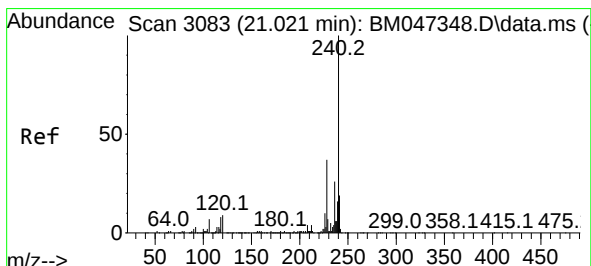
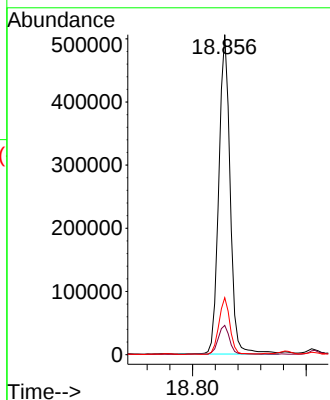
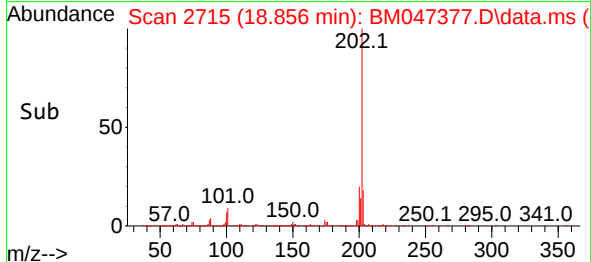
Instrument :
BNA_M
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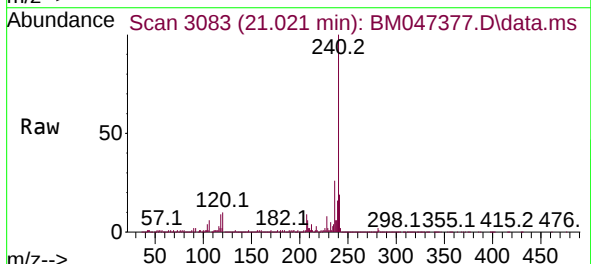
Tgt Ion:202 Resp: 701300
Ion Ratio Lower Upper
202 100
101 9.1 0.0 29.0
203 17.8 0.0 37.5

Manual Integrations
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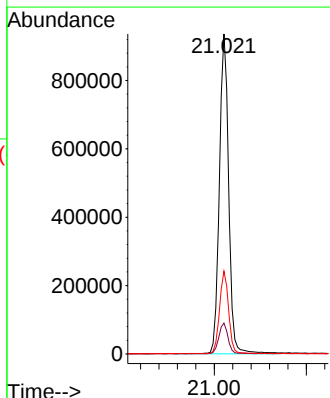
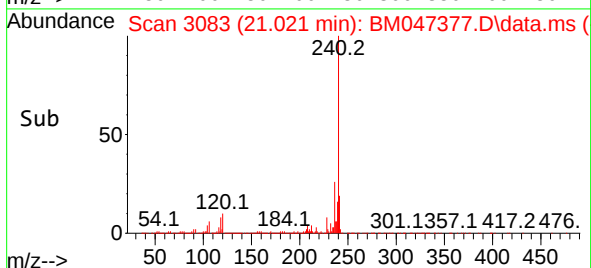
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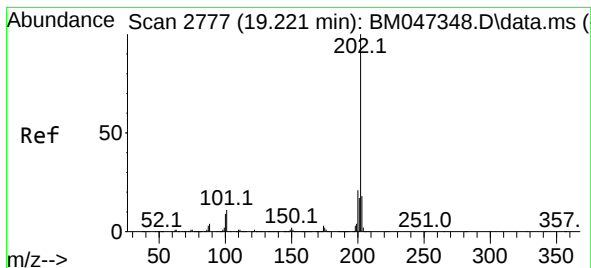


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.021 min Scan# 3083
Delta R.T. 0.000 min
Lab File: BM047377.D
Acq: 28 Aug 2024 12:22



Tgt Ion:240 Resp: 1302889
Ion Ratio Lower Upper
240 100
120 9.6 7.4 11.0
236 25.8 20.8 31.2





#78

Pyrene

Concen: 5.893 ng

RT: 19.221 min Scan# 2777

Delta R.T. 0.000 min

Lab File: BM047377.D

Acq: 28 Aug 2024 12:22

Instrument :

BNA_M

ClientSampleId :

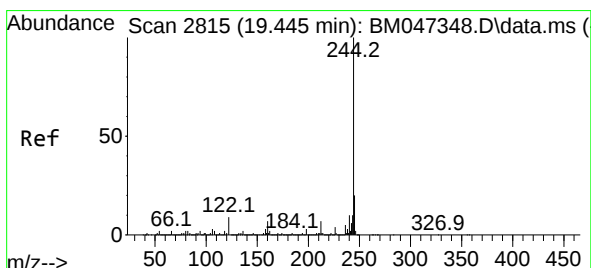
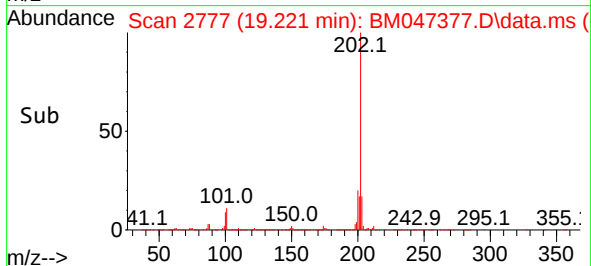
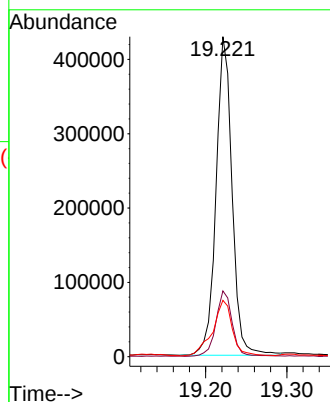
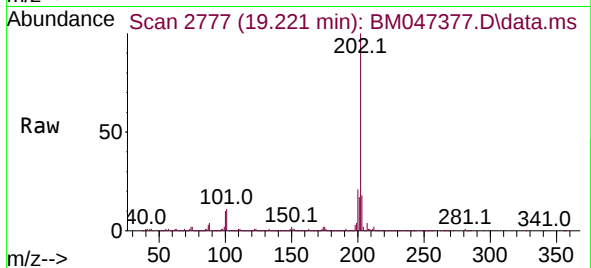
WC-2

Tgt Ion:	202	Resp:	58883
Ion Ratio	Lower	Upper	
202	100		
200	20.5	16.7	25.1
203	17.6	14.2	21.4

Manual Integrations

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#79

Terphenyl-d14

Concen: 73.228 ng

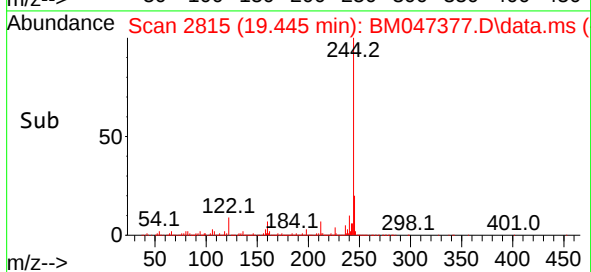
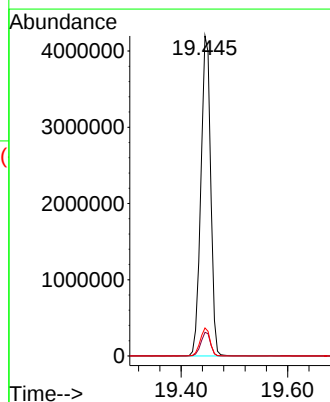
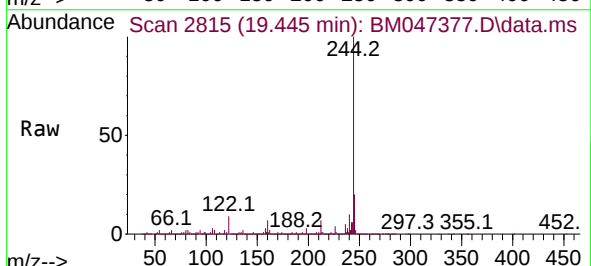
RT: 19.445 min Scan# 2815

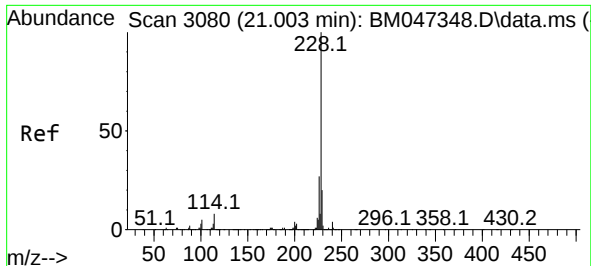
Delta R.T. 0.000 min

Lab File: BM047377.D

Acq: 28 Aug 2024 12:22

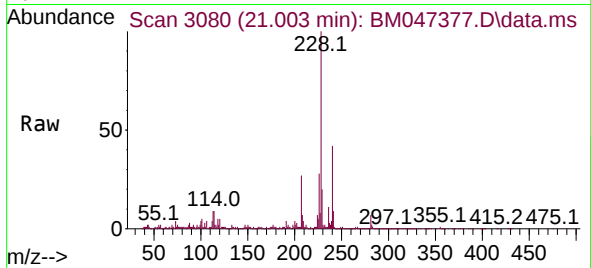
Tgt Ion:	244	Resp:	5360129
Ion Ratio	Lower	Upper	
244	100		
212	7.4	6.0	9.0
122	8.7	7.0	10.4





#81
Benzo(a)anthracene
Concen: 5.320 ng
RT: 21.003 min Scan# 3080
Delta R.T. 0.000 min
Lab File: BM047377.D
Acq: 28 Aug 2024 12:22

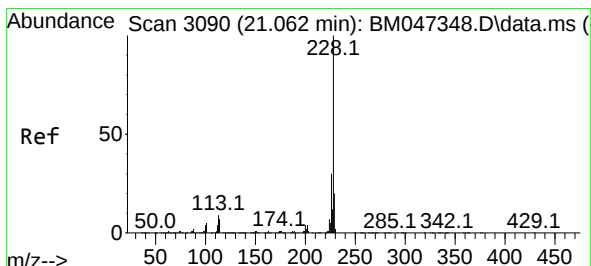
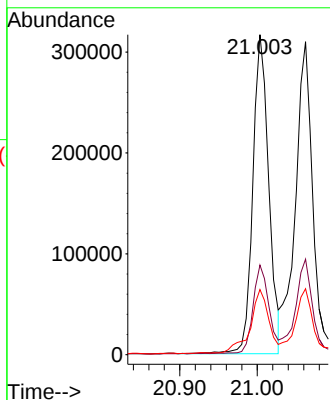
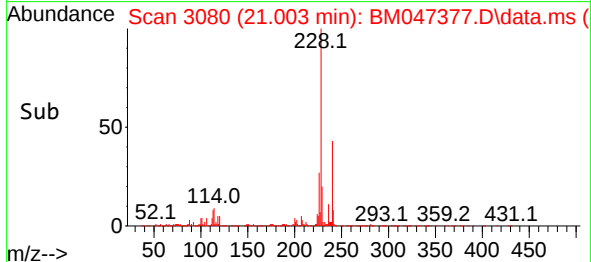
Instrument :
BNA_M
ClientSampleId :
WC-2



Tgt Ion:228 Resp: 452000
Ion Ratio Lower Upper
228 100
226 28.0 21.4 32.0
229 20.4 15.8 23.8

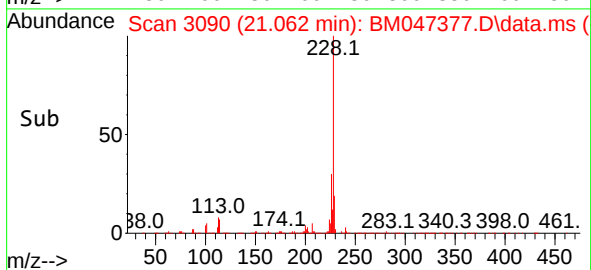
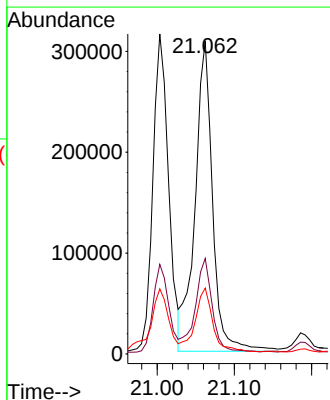
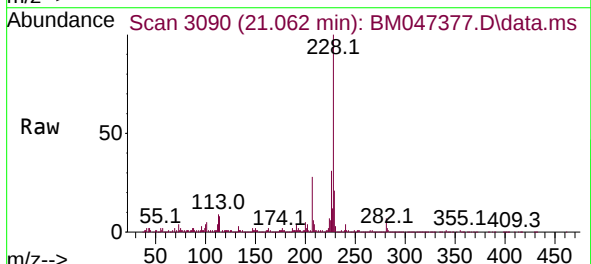
Manual Integrations
APPROVED

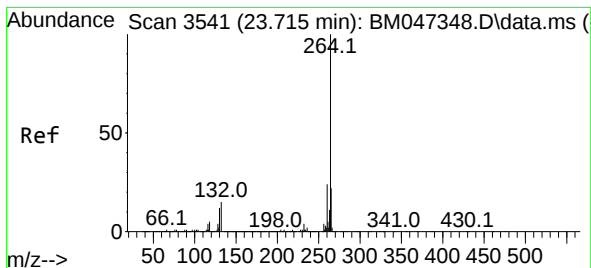
Reviewed By :Jagrut Upadhyay 08/29/2024
Supervised By :mohammad ahmed 08/30/2024



#83
Chrysene
Concen: 6.092 ng m
RT: 21.062 min Scan# 3090
Delta R.T. 0.000 min
Lab File: BM047377.D
Acq: 28 Aug 2024 12:22

Tgt Ion:228 Resp: 486904
Ion Ratio Lower Upper
228 100
226 30.5 24.0 36.0
229 21.1 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.721 min Scan# 3541

Delta R.T. 0.006 min

Lab File: BM047377.D

Acq: 28 Aug 2024 12:22

Instrument :

BNA_M

ClientSampleId :

WC-2

Tgt Ion:264 Resp: 1284049

Ion Ratio Lower Upper

264 100

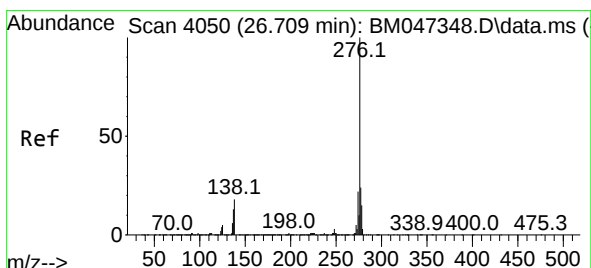
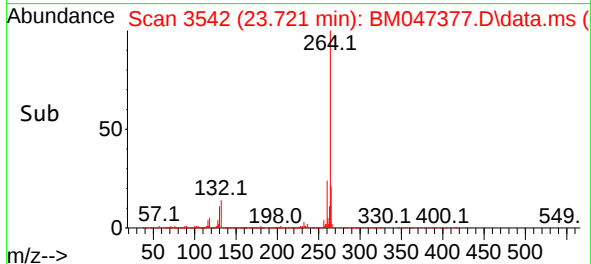
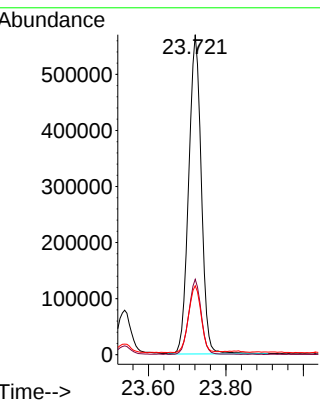
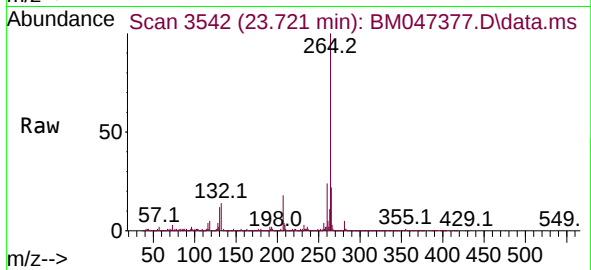
260 23.6 19.0 28.4

265 21.5 17.8 26.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/29/2024
Supervised By :mohammad ahmed 08/30/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.622 ng

RT: 26.721 min Scan# 4052

Delta R.T. 0.012 min

Lab File: BM047377.D

Acq: 28 Aug 2024 12:22

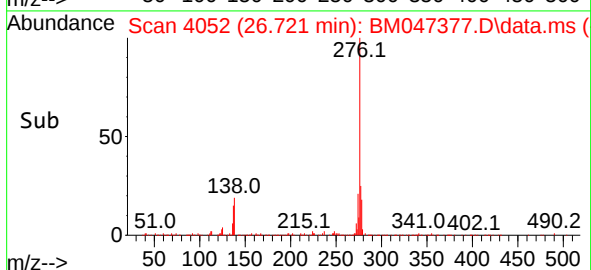
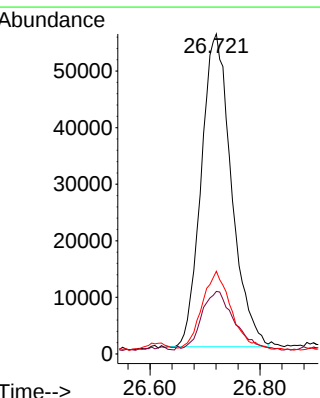
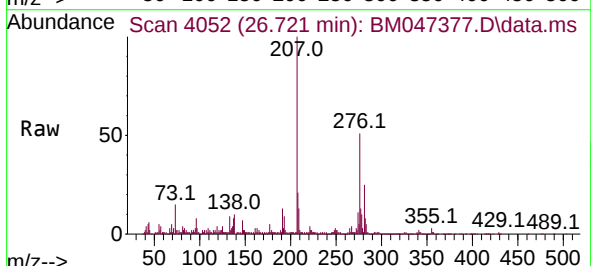
Tgt Ion:276 Resp: 210792

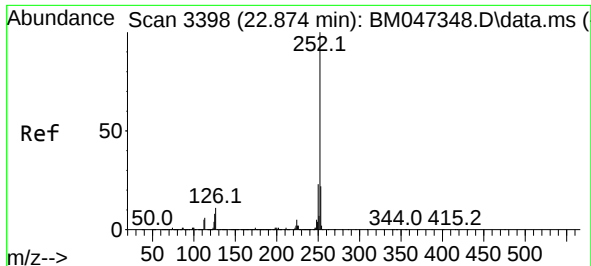
Ion Ratio Lower Upper

276 100

138 20.7 17.7 26.5

277 24.4 20.0 30.0





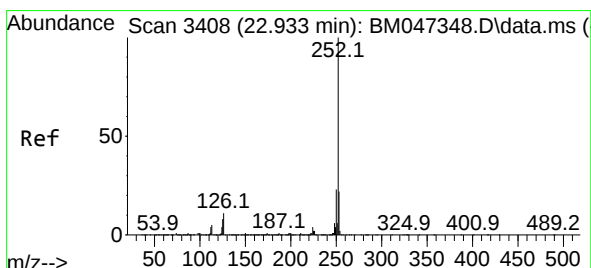
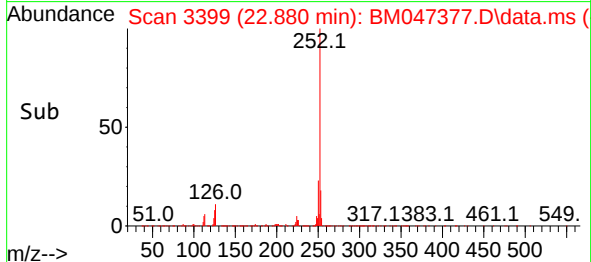
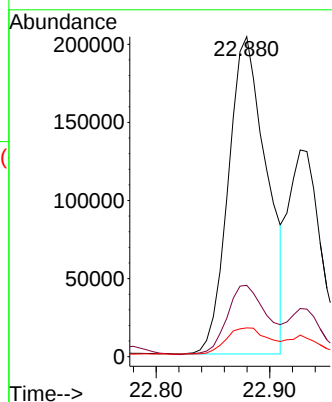
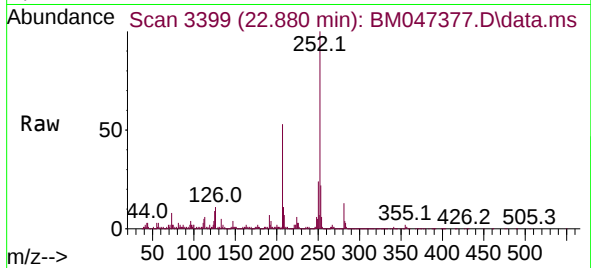
#88
Benzo(b)fluoranthene
Concen: 6.367 ng
RT: 22.880 min Scan# 31
Delta R.T. 0.006 min
Lab File: BM047377.D
Acq: 28 Aug 2024 12:22

Instrument :
BNA_M
ClientSampleId :
WC-2

Tgt Ion:252 Resp: 476989
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.6
125 9.0 6.6 10.0

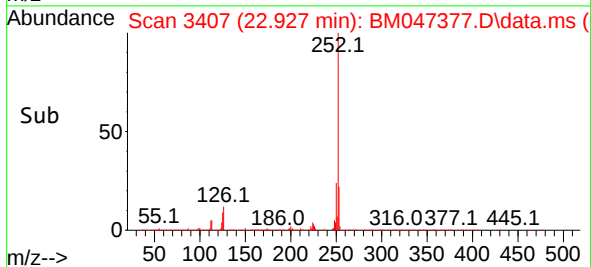
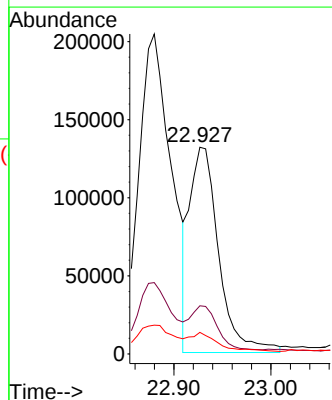
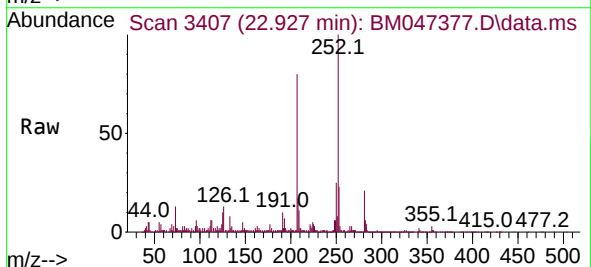
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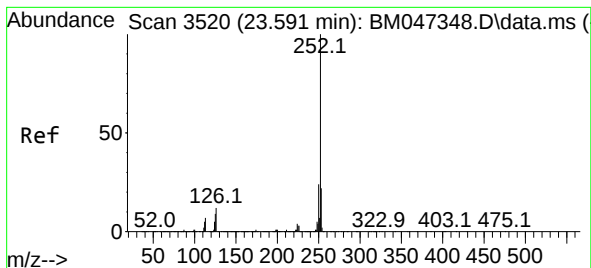
Reviewed By :Jagrut Upadhyay 08/29/2024
Supervised By :mohammad ahmed 08/30/2024



#89
Benzo(k)fluoranthene
Concen: 3.859 ng m
RT: 22.927 min Scan# 3407
Delta R.T. -0.006 min
Lab File: BM047377.D
Acq: 28 Aug 2024 12:22

Tgt Ion:252 Resp: 274062
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 10.4 6.6 9.8#





#90

Benzo(a)pyrene

Concen: 4.659 ng

RT: 23.597 min Scan# 30186

Delta R.T. 0.006 min

Lab File: BM047377.D

Acq: 28 Aug 2024 12:22

Instrument :

BNA_M

ClientSampleId :

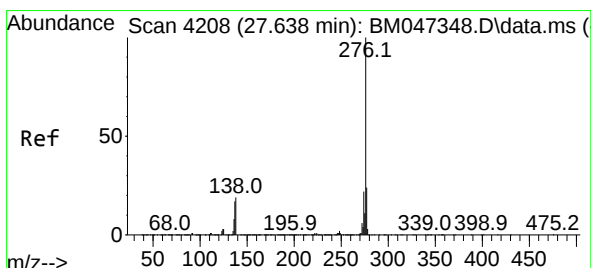
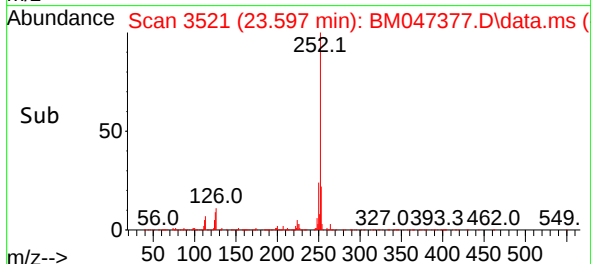
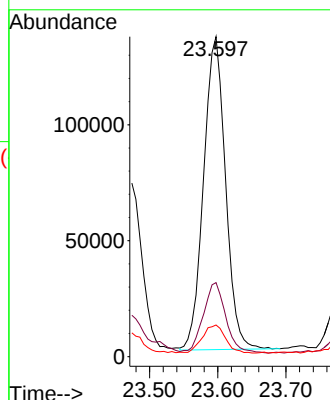
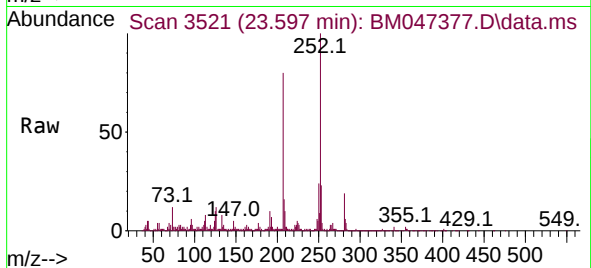
WC-2

Tgt Ion:	252	Resp:	30186
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.7	26.5
125	9.9	7.4	11.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/29/2024
Supervised By :mohammad ahmed 08/30/2024



#92

Benzo(g,h,i)perylene

Concen: 2.721 ng

RT: 27.650 min Scan# 4210

Delta R.T. 0.012 min

Lab File: BM047377.D

Acq: 28 Aug 2024 12:22

Tgt Ion:	276	Resp:	184218
Ion Ratio	Lower	Upper	
276	100		
277	25.0	19.4	29.0
138	20.3	15.0	22.6

