

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082924\
 Data File : BM047399.D
 Acq On : 29 Aug 2024 18:25
 Operator : RC/JU
 Sample : P3771-01 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DN-W-03

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 08/30/2024
 Supervised By :mohammad ahmed 09/02/2024

Quant Time: Aug 30 00:29:25 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	7.351	152	319798	20.000	ng	0.00
21) Naphthalene-d8	10.104	136	1186749	20.000	ng	0.00
39) Acenaphthene-d10	14.010	164	772528	20.000	ng	0.00
64) Phenanthrene-d10	16.780	188	1382229	20.000	ng	0.00
76) Chrysene-d12	21.021	240	968887	20.000	ng	0.00
86) Perylene-d12	23.733	264	1131647	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.010	112	728708	43.717	ng	0.00
7) Phenol-d6	6.575	99	969996	42.718	ng	0.00
23) Nitrobenzene-d5	8.498	82	644182	30.118	ng	0.00
42) 2,4,6-Tribromophenol	15.527	330	396812	42.574	ng	0.00
45) 2-Fluorobiphenyl	12.616	172	1578315	31.392	ng	0.00
79) Terphenyl-d14	19.445	244	1742348	32.009	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	16.821	178	254367	3.789	ng	99
75) Fluoranthene	18.862	202	379397	4.813	ng	99
78) Pyrene	19.227	202	449974	6.055	ng	99
81) Benzo(a)anthracene	21.003	228	228233	3.612	ng	94
83) Chrysene	21.062	228	258608	4.351	ng	95
84) Bis(2-ethylhexyl)phtha...	20.956	149	152081	3.700	ng	# 99
87) Indeno(1,2,3-cd)pyrene	26.744	276	433753	6.123	ng	97
88) Benzo(b)fluoranthene	22.886	252	442279	6.699	ng	# 93
89) Benzo(k)fluoranthene	22.933	252	154314m	2.466	ng	
90) Benzo(a)pyrene	23.603	252	310974	5.447	ng	# 92
91) Dibenzo(a,h)anthracene	26.762	278	118574	2.066	ng	# 79
92) Benzo(g,h,i)perylene	27.679	276	511633	8.575	ng	99

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

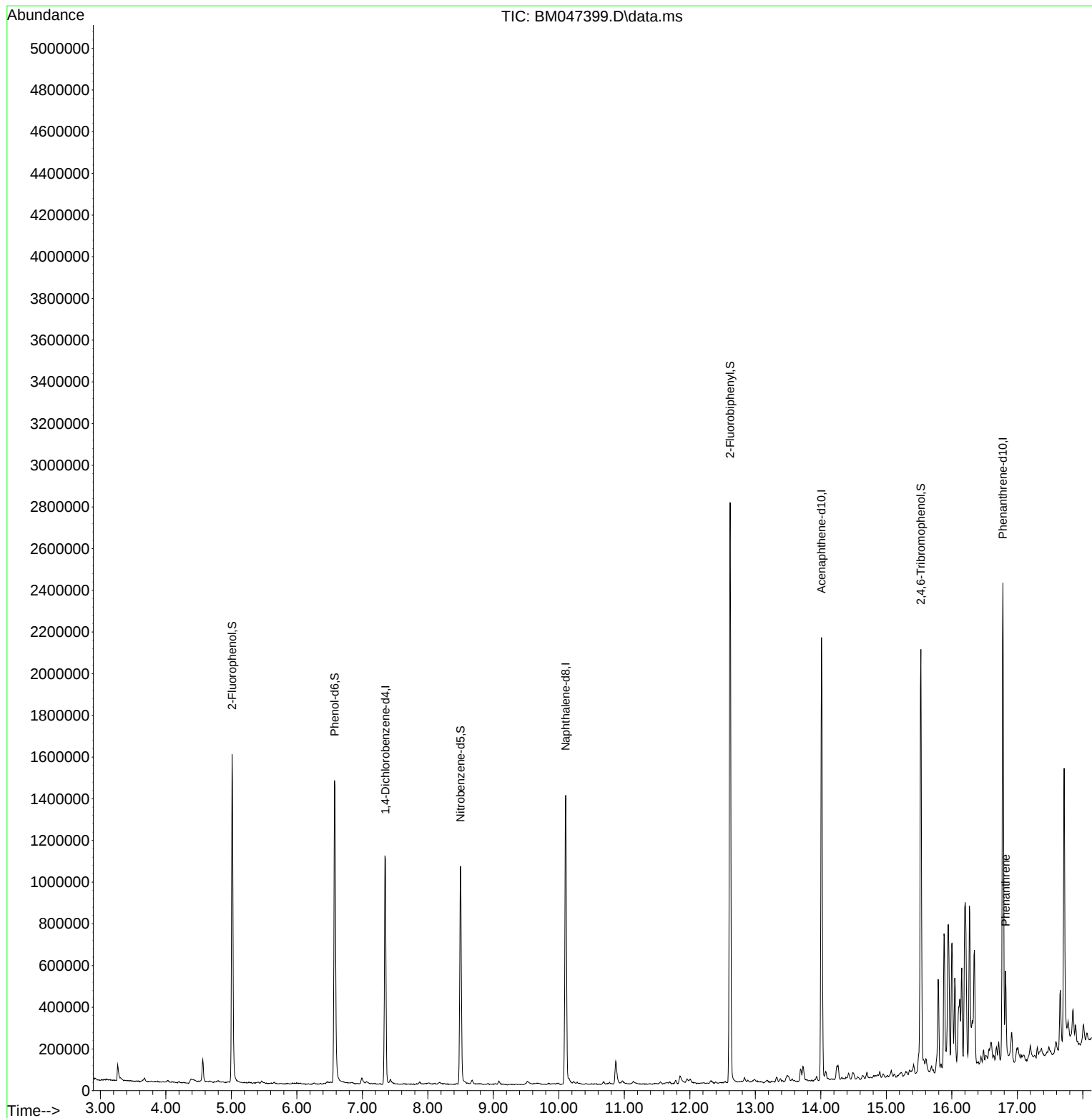
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082924\
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QLast Update : Mon Aug 26 18:11:40 2024
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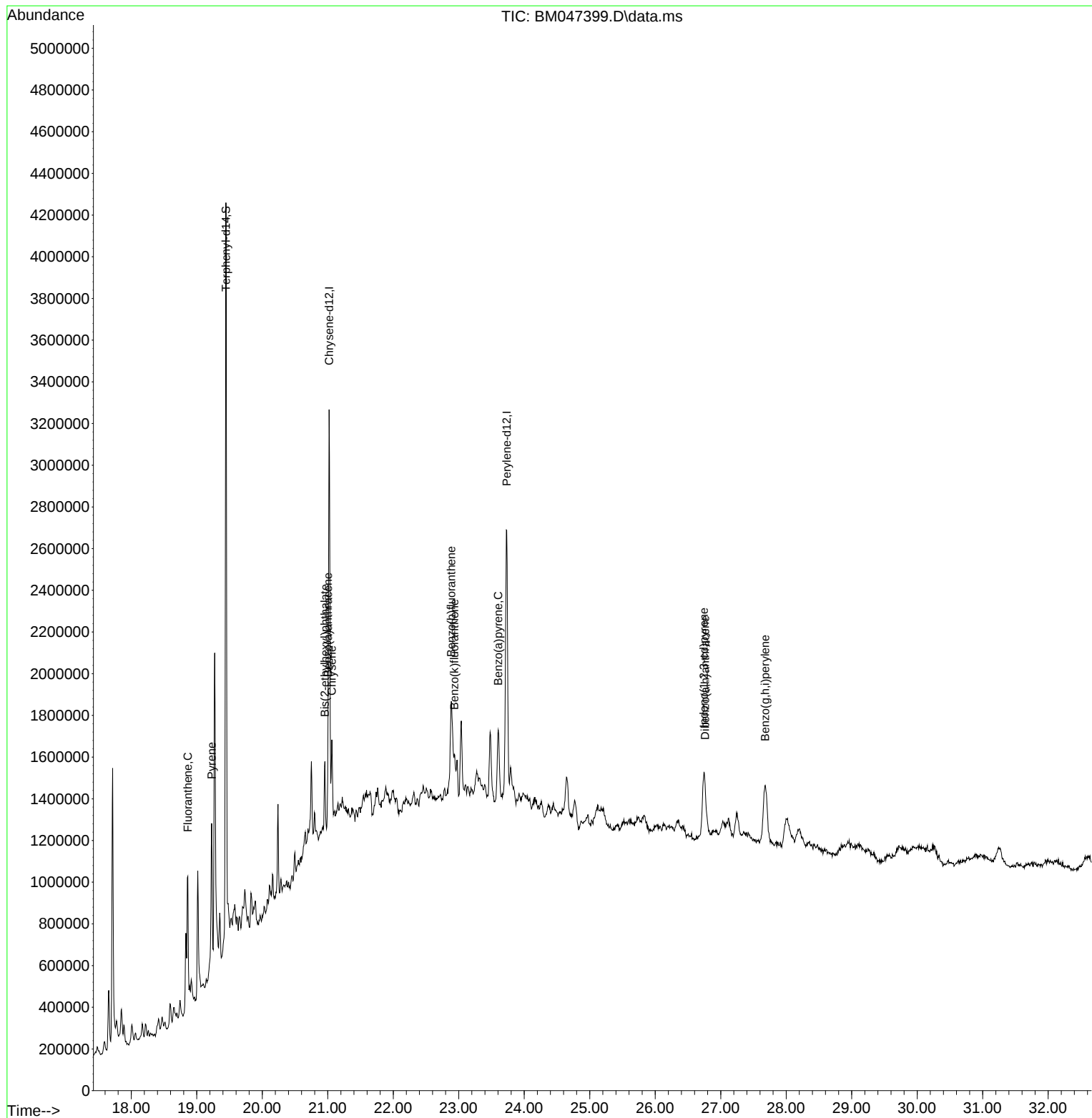
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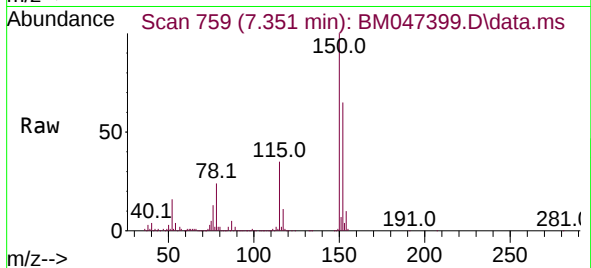
Reviewed By :Jagrut Upadhyay 08/30/2024
Supervised By :mohammad ahmed 09/02/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.351 min Scan# 759
Delta R.T. 0.000 min
Lab File: BM047399.D
Acq: 29 Aug 2024 18:25

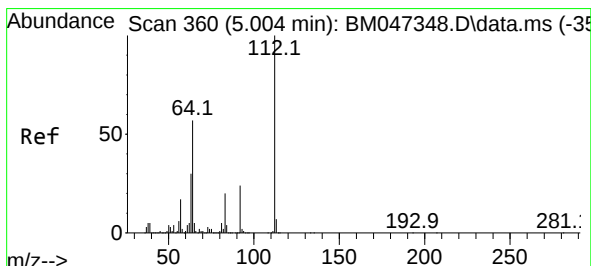
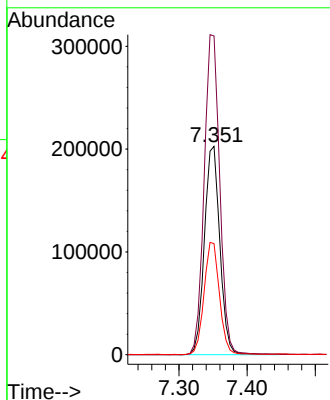
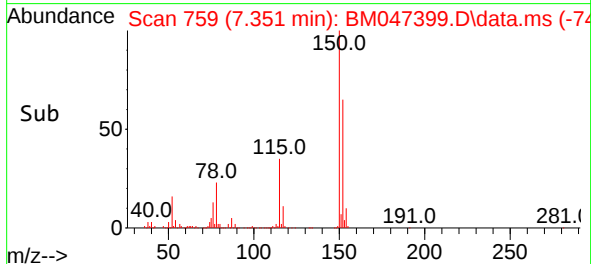
Instrument :
BNA_M
ClientSampleId :
DN-W-03



Tgt Ion:152 Resp: 319798
Ion Ratio Lower Upper
152 100
150 153.0 121.3 181.9
115 53.3 42.6 64.0

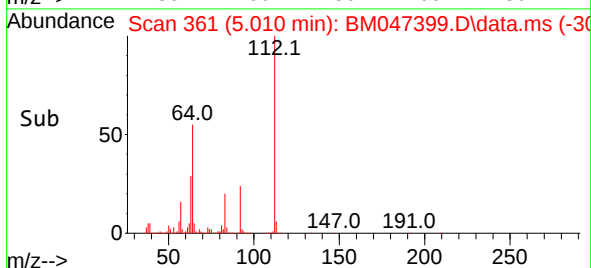
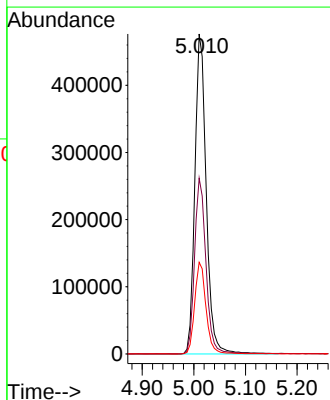
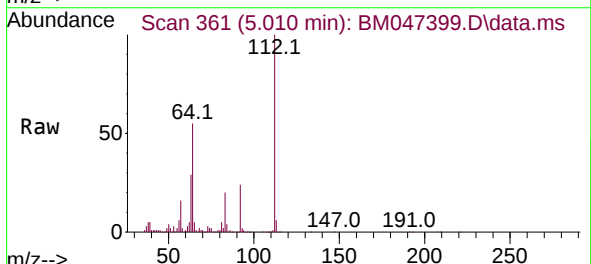
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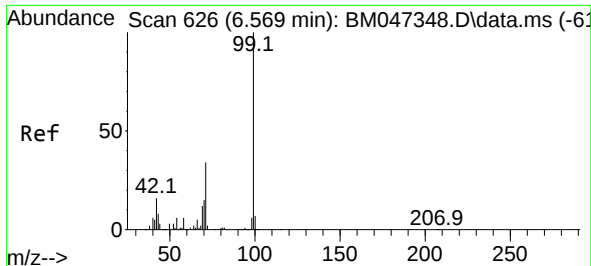
Reviewed By :Jagrut Upadhyay 08/30/2024
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#5
2-Fluorophenol
Concen: 43.717 ng
RT: 5.010 min Scan# 361
Delta R.T. 0.006 min
Lab File: BM047399.D
Acq: 29 Aug 2024 18:25

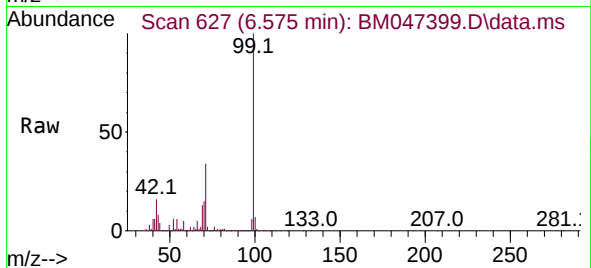
Tgt Ion:112 Resp: 728708
Ion Ratio Lower Upper
112 100
64 54.9 45.7 68.5
63 28.7 23.8 35.8





#7
Phenol-d6
Concen: 42.718 ng
RT: 6.575 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM047399.D
Acq: 29 Aug 2024 18:25

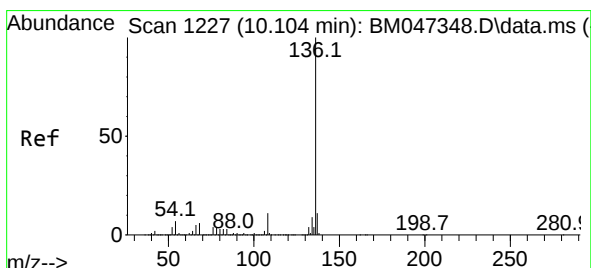
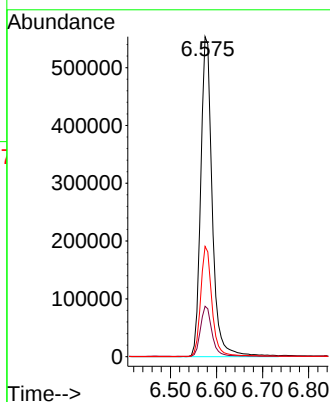
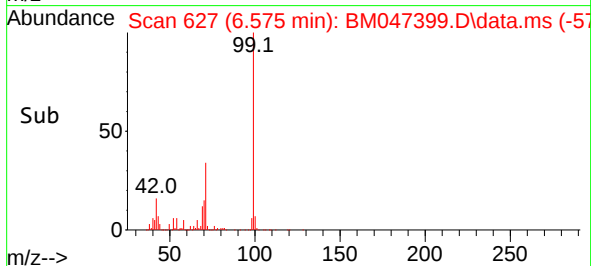
Instrument :
BNA_M
ClientSampleId :
DN-W-03



Tgt Ion: 99 Resp: 969990
Ion Ratio Lower Upper
99 100
42 15.8 13.0 19.4
71 34.5 27.5 41.3

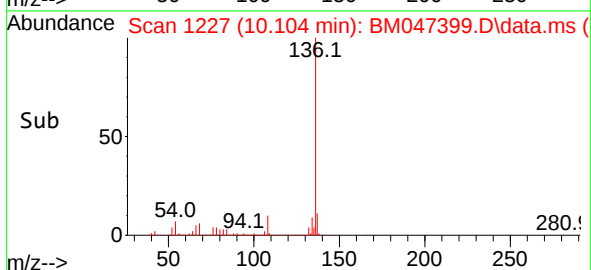
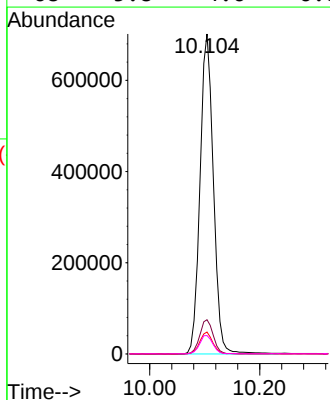
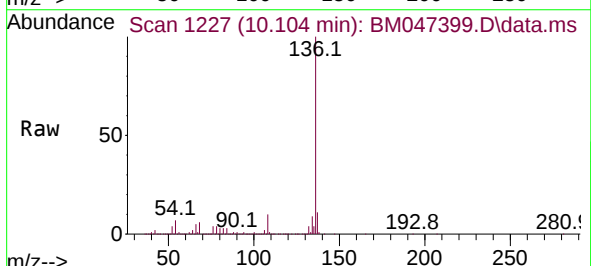
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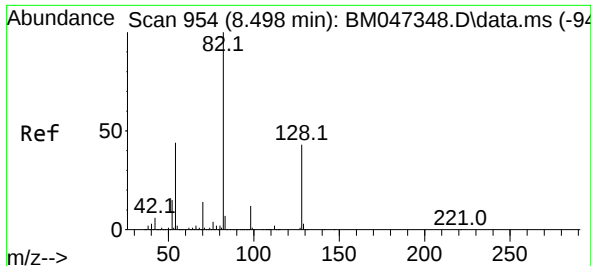
Reviewed By :Jagrut Upadhyay 08/30/2024
Supervised By :mohammad ahmed 09/02/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.104 min Scan# 1227
Delta R.T. 0.000 min
Lab File: BM047399.D
Acq: 29 Aug 2024 18:25

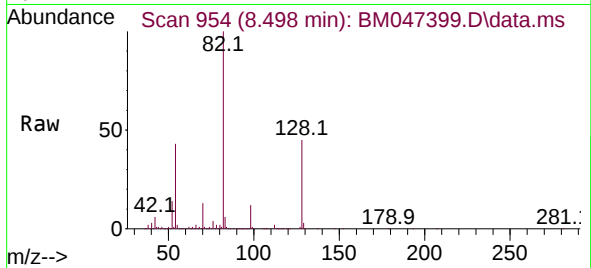
Tgt Ion:136 Resp: 1186749
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 6.9 5.2 7.8
68 5.8 4.6 6.8





#23
Nitrobenzene-d5
Concen: 30.118 ng
RT: 8.498 min Scan# 954
Delta R.T. 0.000 min
Lab File: BM047399.D
Acq: 29 Aug 2024 18:25

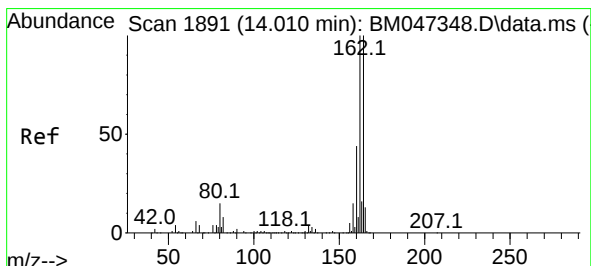
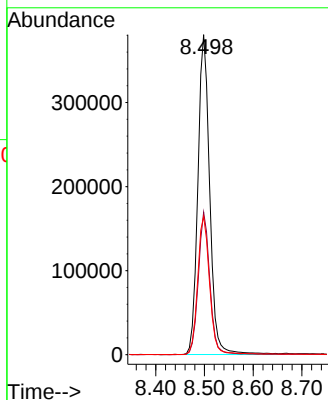
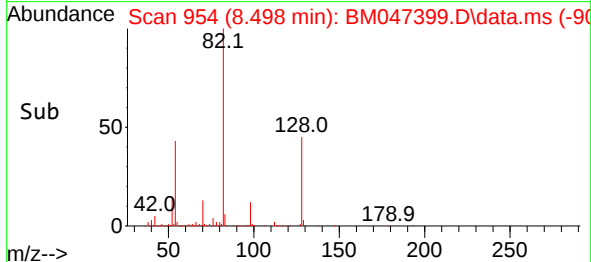
Instrument :
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Tgt Ion: 82 Resp: 64418
Ion Ratio Lower Upper
82 100
128 44.6 34.6 51.8
54 43.2 35.5 53.3

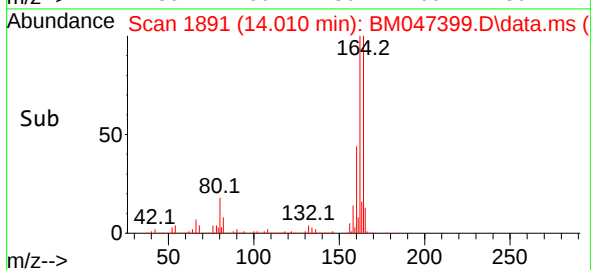
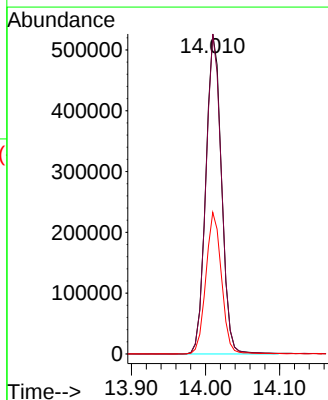
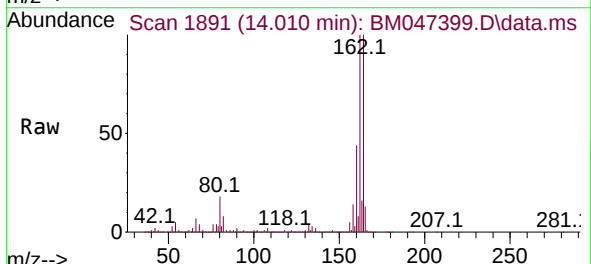
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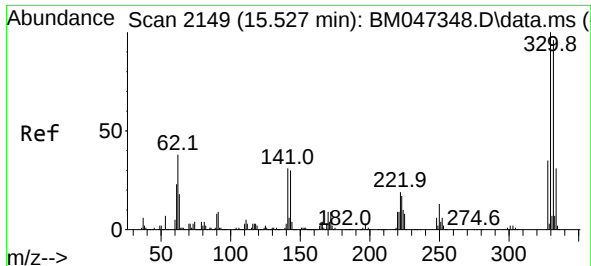
Reviewed By :Jagrut Upadhyay 08/30/2024
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.010 min Scan# 1891
Delta R.T. -0.000 min
Lab File: BM047399.D
Acq: 29 Aug 2024 18:25

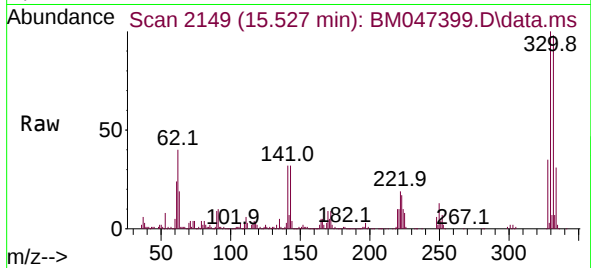
Tgt Ion:164 Resp: 772528
Ion Ratio Lower Upper
164 100
162 100.1 79.7 119.5
160 44.3 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 42.574 ng
RT: 15.527 min Scan# 2149
Delta R.T. 0.000 min
Lab File: BM047399.D
Acq: 29 Aug 2024 18:25

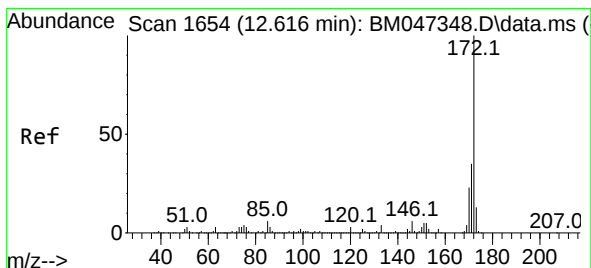
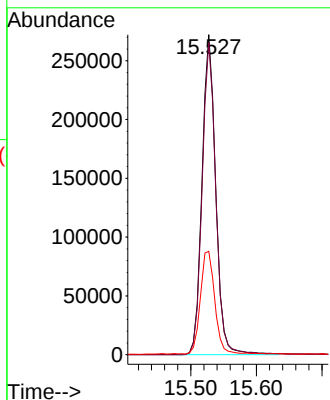
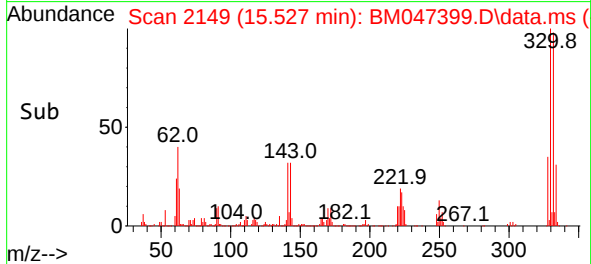
Instrument :
BNA_M
ClientSampleId :
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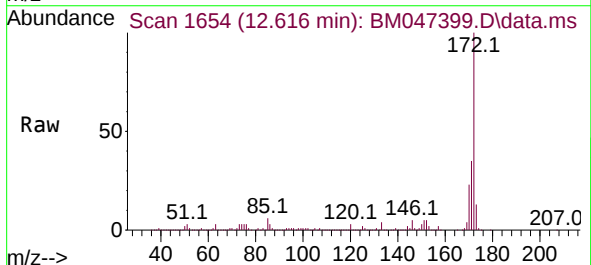
Tgt Ion:330 Resp: 396812
Ion Ratio Lower Upper
330 100
332 97.2 77.2 115.8
141 33.5 27.6 41.4

Manual Integrations
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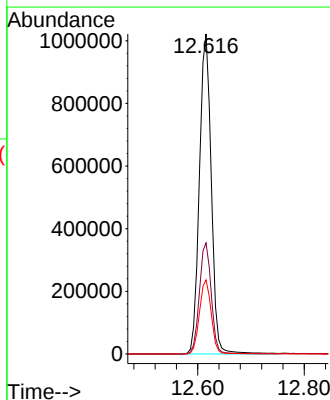
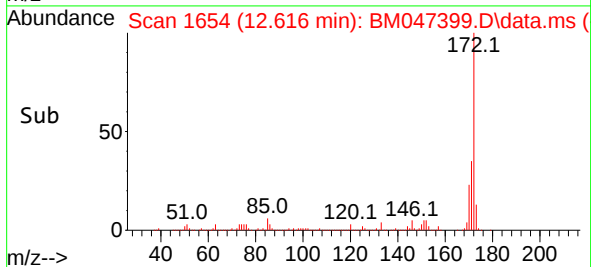
Reviewed By :Jagrut Upadhyay 08/30/2024
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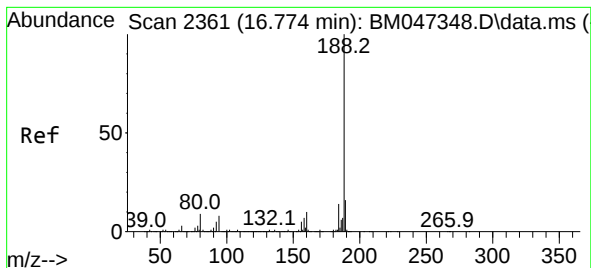


#45
2-Fluorobiphenyl
Concen: 31.392 ng
RT: 12.616 min Scan# 1654
Delta R.T. 0.000 min
Lab File: BM047399.D
Acq: 29 Aug 2024 18:25



Tgt Ion:172 Resp: 1578315
Ion Ratio Lower Upper
172 100
171 34.7 27.8 41.6
170 23.2 18.5 27.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.780 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM047399.D

Acq: 29 Aug 2024 18:25

Instrument :

BNA_M

ClientSampleId :

DN-W-03

Tgt Ion:188 Resp: 1382229

Ion Ratio Lower Upper

188 100

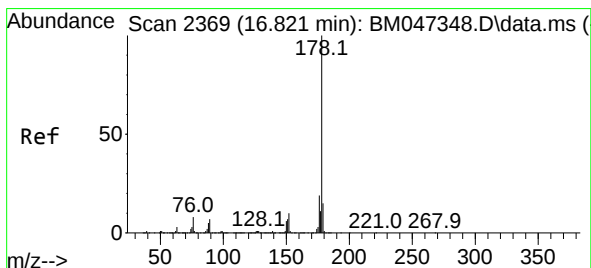
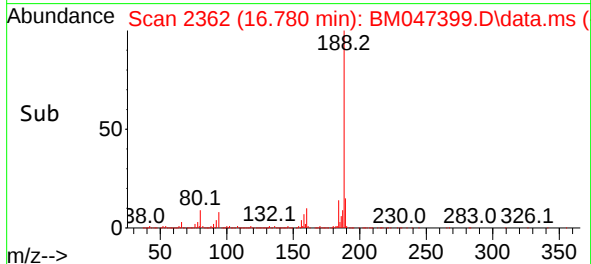
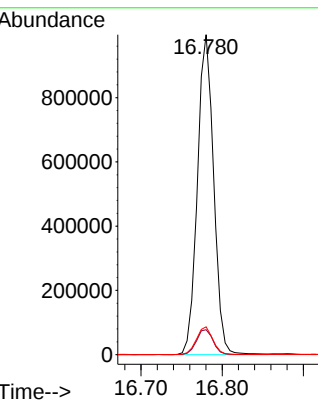
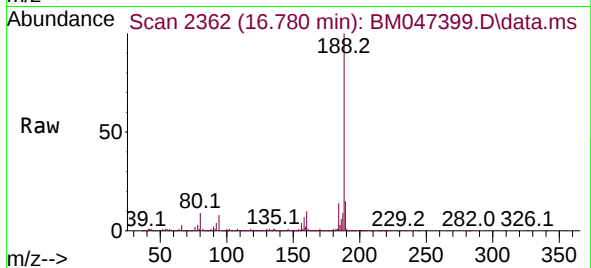
94 7.8 6.4 9.6

80 8.7 7.4 11.2

Manual Integrations

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#71

Phenanthrene

Concen: 3.789 ng

RT: 16.821 min Scan# 2369

Delta R.T. 0.000 min

Lab File: BM047399.D

Acq: 29 Aug 2024 18:25

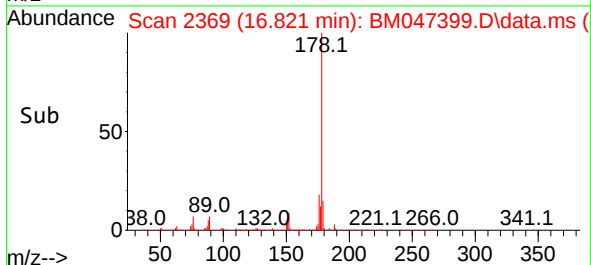
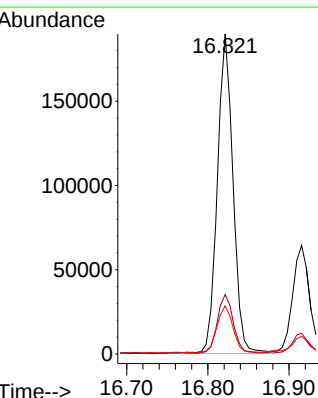
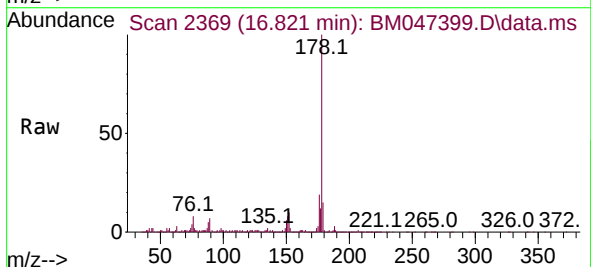
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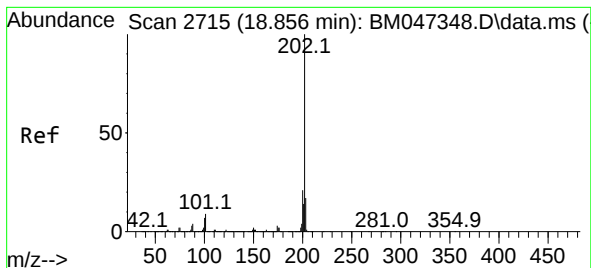
Ion Ratio Lower Upper

178 100

176 18.5 15.2 22.8

179 15.1 12.2 18.4





#75

Fluoranthene

Concen: 4.813 ng

RT: 18.862 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM047399.D

Acq: 29 Aug 2024 18:25

Instrument :

BNA_M

ClientSampleId :

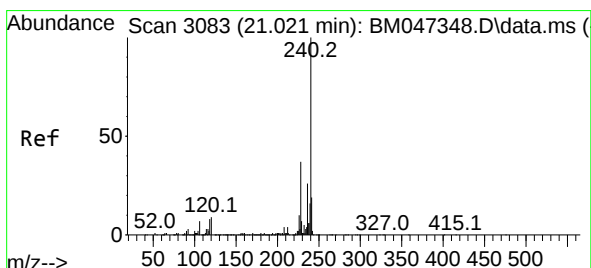
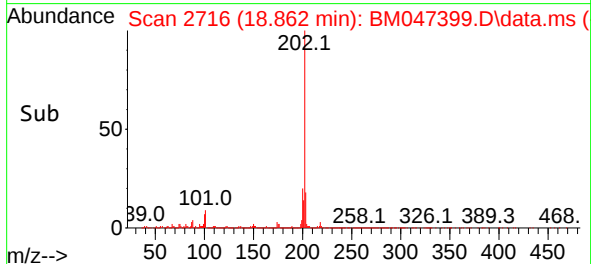
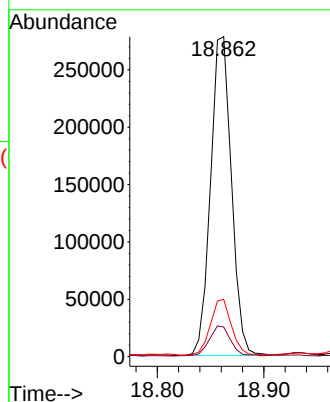
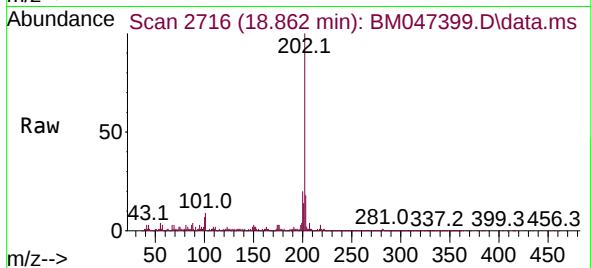
DN-W-03

Tgt Ion:	202	Resp:	37939
Ion Ratio	Lower	Upper	
202	100		
101	9.3	0.0	29.0
203	17.9	0.0	37.5

Manual Integrations

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#76

Chrysene-d12

Concen: 20.000 ng

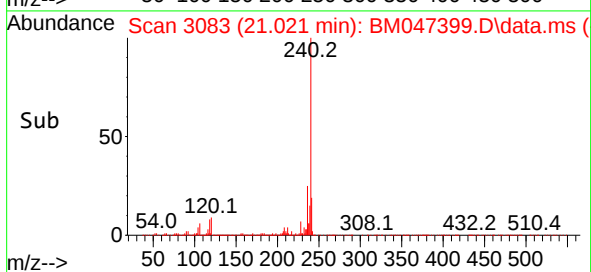
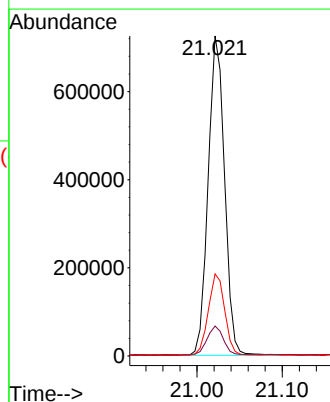
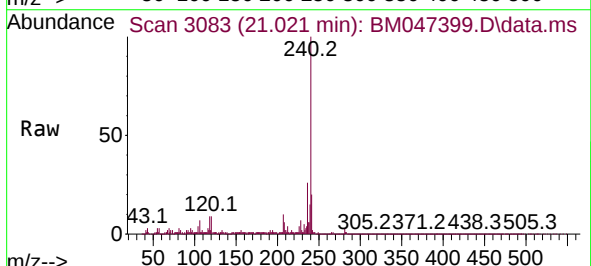
RT: 21.021 min Scan# 3083

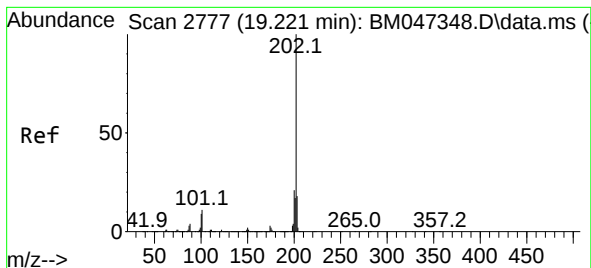
Delta R.T. 0.000 min

Lab File: BM047399.D

Acq: 29 Aug 2024 18:25

Tgt Ion:	240	Resp:	968887
Ion Ratio	Lower	Upper	
240	100		
120	9.4	7.4	11.0
236	25.7	20.8	31.2





#78

Pyrene

Concen: 6.055 ng

RT: 19.227 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM047399.D

Acq: 29 Aug 2024 18:25

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BNA_M

ClientSampleId :

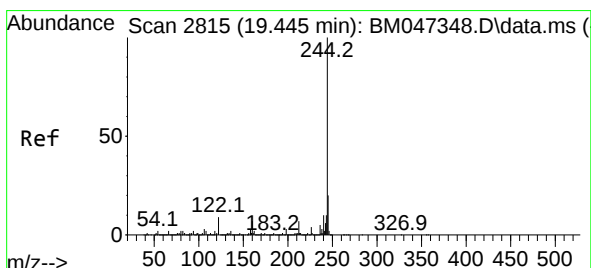
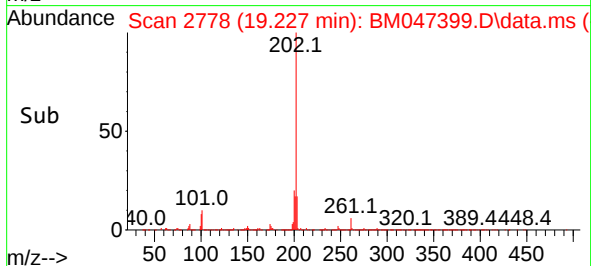
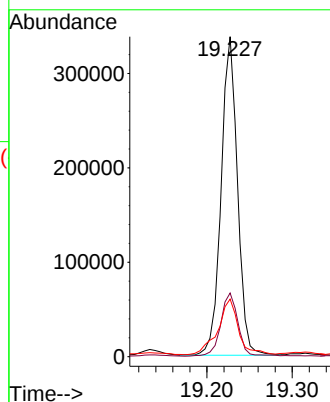
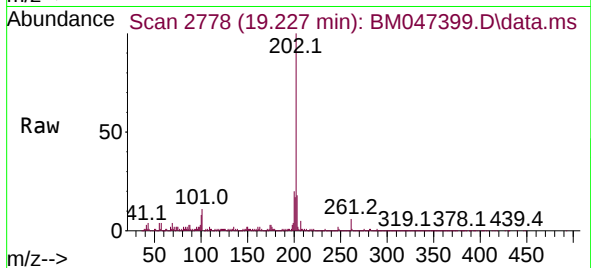
DN-W-03

Tgt Ion:	202	Resp:	449974
Ion Ratio	Lower	Upper	
202	100		
200	19.9	16.7	25.1
203	18.0	14.2	21.4

Manual Integrations

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#79

Terphenyl-d14

Concen: 32.009 ng

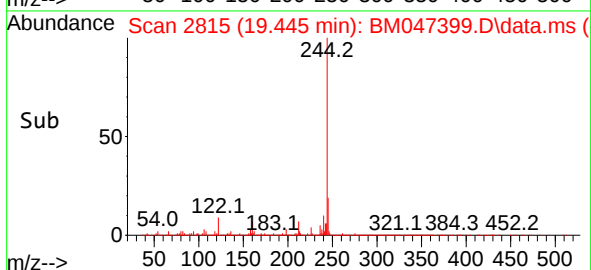
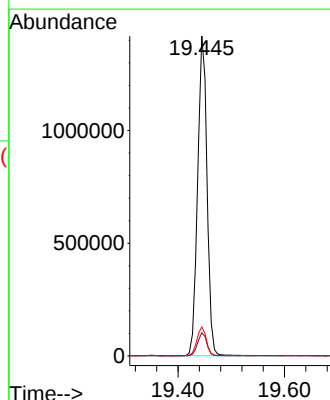
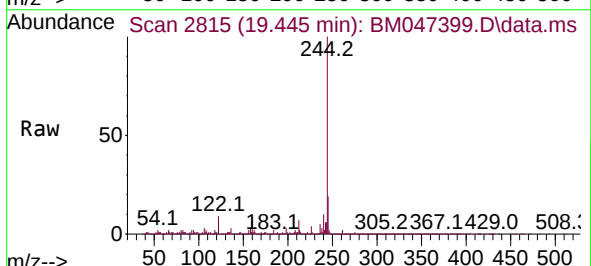
RT: 19.445 min Scan# 2815

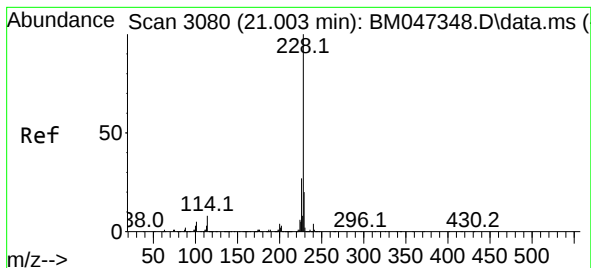
Delta R.T. 0.000 min

Lab File: BM047399.D

Acq: 29 Aug 2024 18:25

Tgt Ion:	244	Resp:	1742348
Ion Ratio	Lower	Upper	
244	100		
212	7.3	6.0	9.0
122	9.0	7.0	10.4





#81

Benzo(a)anthracene

Concen: 3.612 ng

RT: 21.003 min Scan# 3080

Delta R.T. 0.000 min

Lab File: BM047399.D

Acq: 29 Aug 2024 18:25

Instrument :

BNM_M

ClientSampleId :

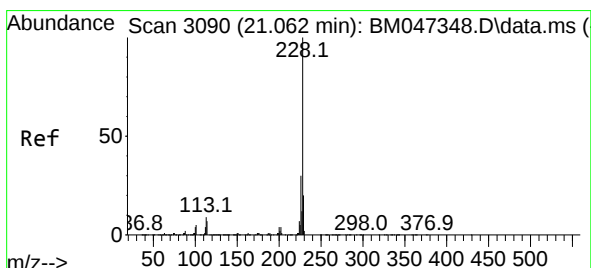
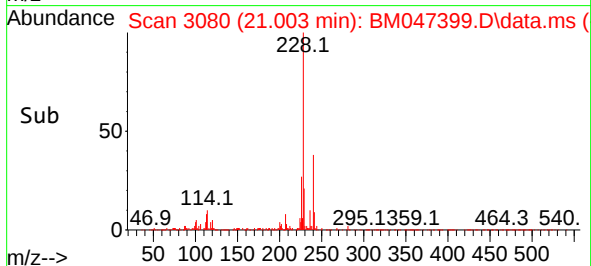
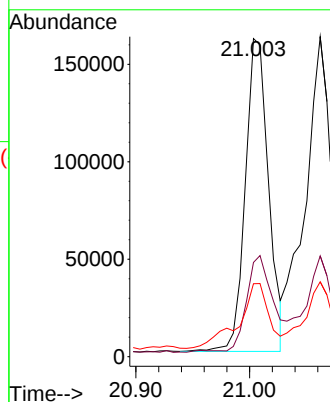
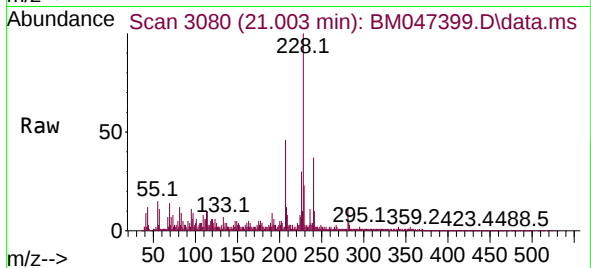
DN-W-03

Tgt Ion:	228	Resp:	22823
Ion Ratio	Lower	Upper	
228	100		
226	29.6	21.4	32.0
229	22.9	15.8	23.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/30/2024
Supervised By :mohammad ahmed 09/02/2024



#83

Chrysene

Concen: 4.351 ng

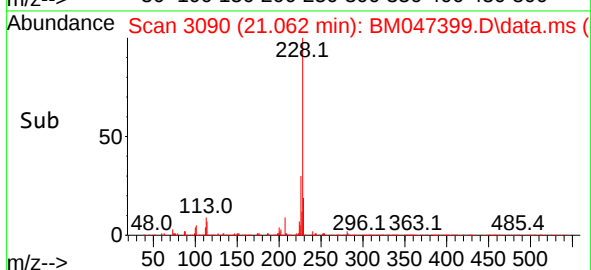
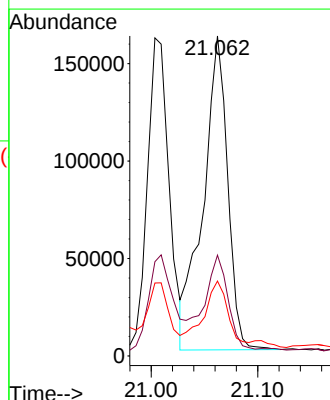
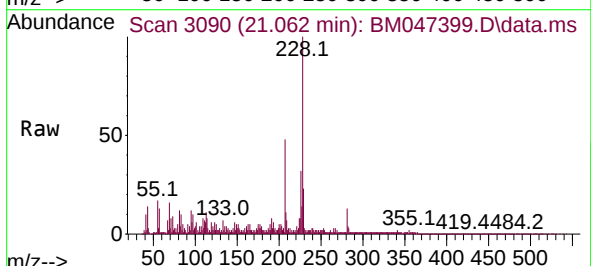
RT: 21.062 min Scan# 3090

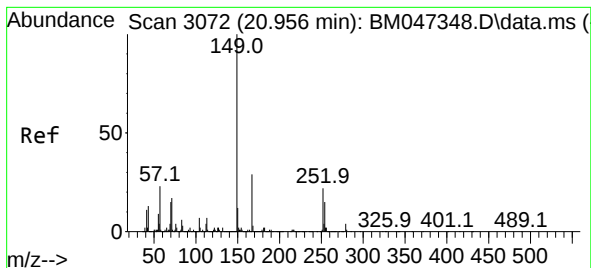
Delta R.T. 0.000 min

Lab File: BM047399.D

Acq: 29 Aug 2024 18:25

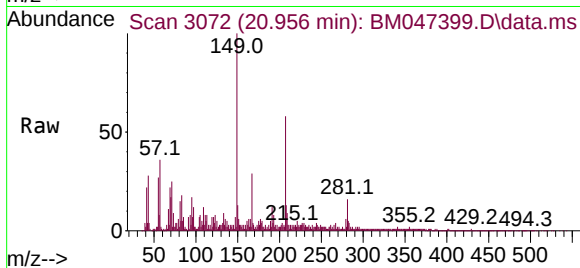
Tgt Ion:	228	Resp:	258608
Ion Ratio	Lower	Upper	
228	100		
226	31.5	24.0	36.0
229	23.4	15.9	23.9





#84
Bis(2-ethylhexyl)phthalate
Concen: 3.700 ng
RT: 20.956 min Scan# 3072
Delta R.T. 0.000 min
Lab File: BM047399.D
Acq: 29 Aug 2024 18:25

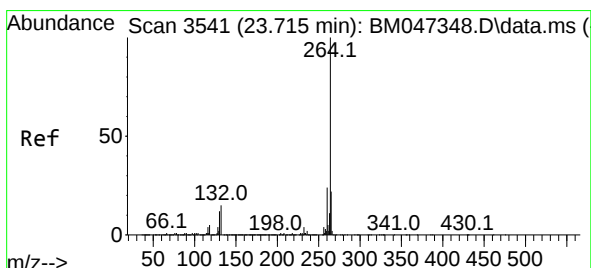
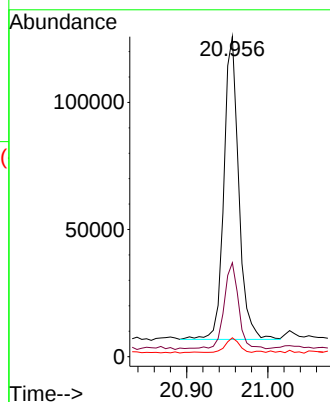
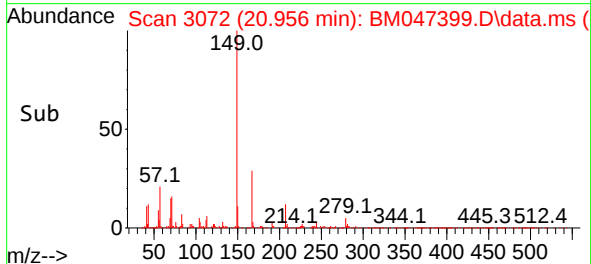
Instrument :
BNA_M
ClientSampleId :
DN-W-03



Tgt Ion:149 Resp: 15208
Ion Ratio Lower Upper
149 100
167 29.3 23.1 34.7
279 5.9 3.3 4.9

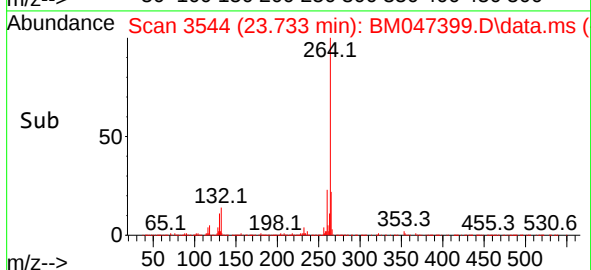
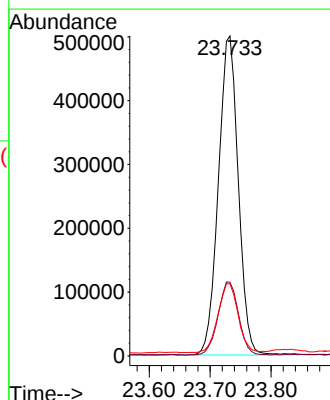
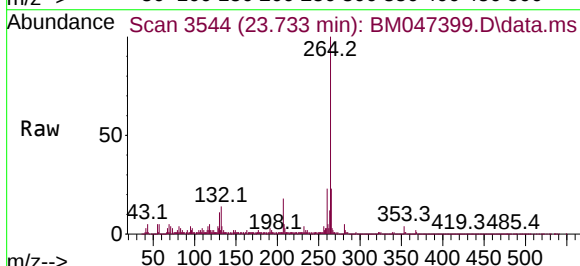
Manual Integrations
APPROVED

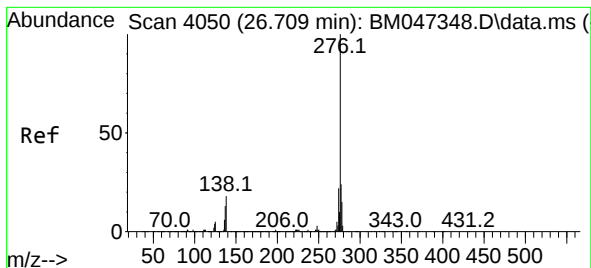
Reviewed By :Jagrut Upadhyay 08/30/2024
Supervised By :mohammad ahmed 09/02/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.733 min Scan# 3544
Delta R.T. 0.018 min
Lab File: BM047399.D
Acq: 29 Aug 2024 18:25

Tgt Ion:264 Resp: 1131647
Ion Ratio Lower Upper
264 100
260 23.1 19.0 28.4
265 22.5 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.123 ng

RT: 26.744 min Scan# 4050

Delta R.T. 0.035 min

Lab File: BM047399.D

Acq: 29 Aug 2024 18:25

Instrument :

BNA_M

ClientSampleId :

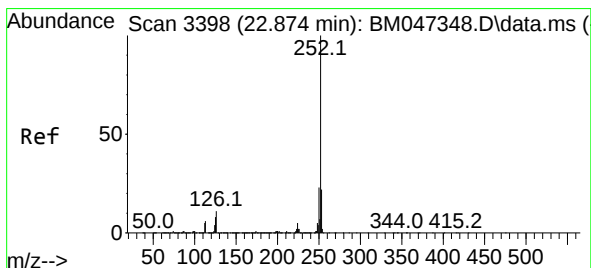
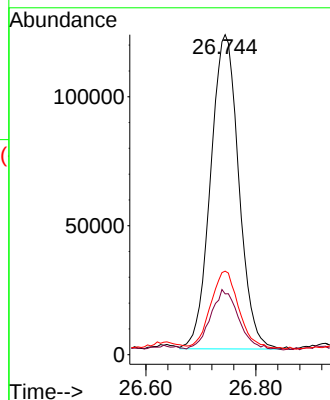
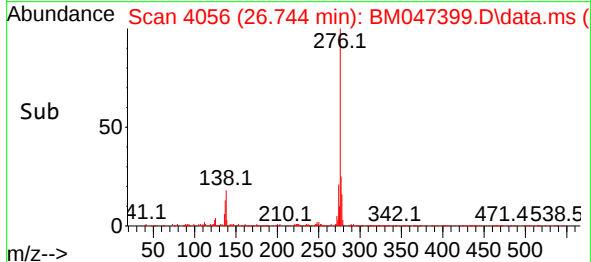
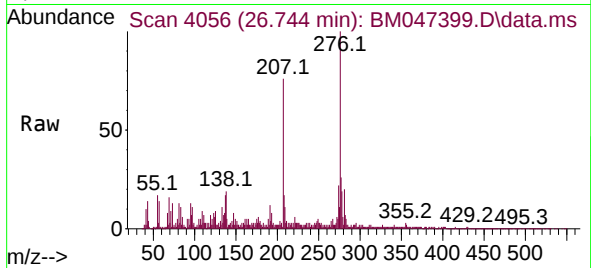
DN-W-03

Tgt Ion:	276	Resp:	43375
Ion Ratio	Lower	Upper	
276	100		
138	19.3	17.7	26.5
277	24.9	20.0	30.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/30/2024
Supervised By :mohammad ahmed 09/02/2024



#88

Benzo(b)fluoranthene

Concen: 6.699 ng

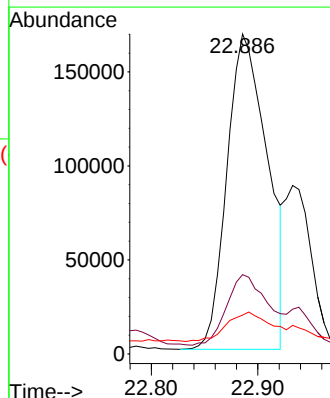
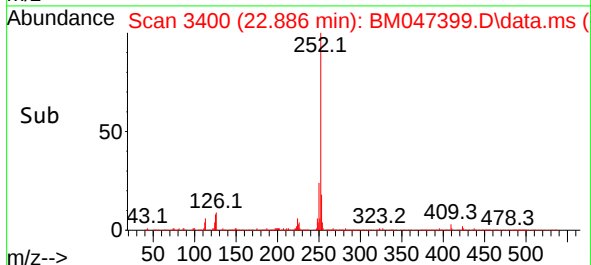
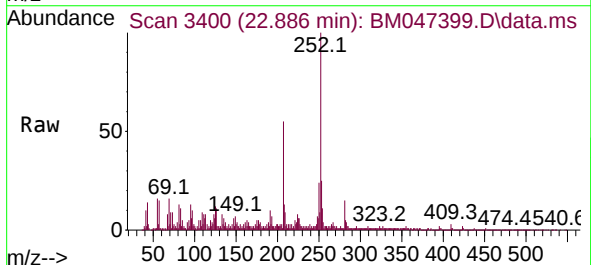
RT: 22.886 min Scan# 3400

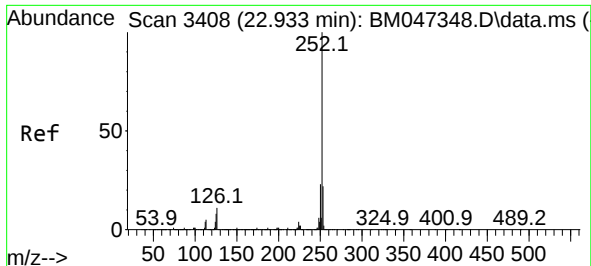
Delta R.T. 0.012 min

Lab File: BM047399.D

Acq: 29 Aug 2024 18:25

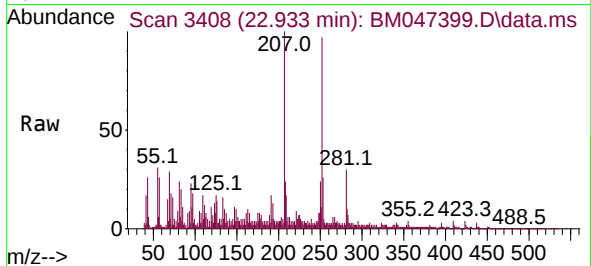
Tgt Ion:	252	Resp:	442279
Ion Ratio	Lower	Upper	
252	100		
253	24.8	17.8	26.6
125	12.2	6.6	10.0





#89
Benzo(k)fluoranthene
Concen: 2.466 ng m
RT: 22.933 min Scan# 3408
Delta R.T. 0.000 min
Lab File: BM047399.D
Acq: 29 Aug 2024 18:25

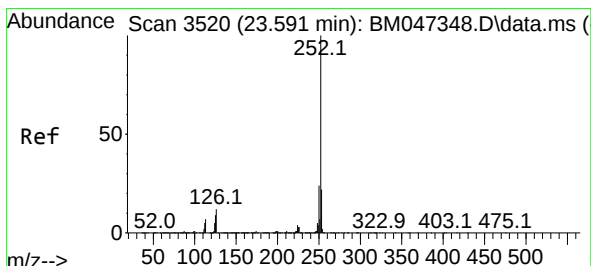
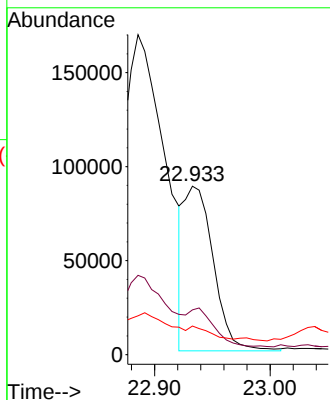
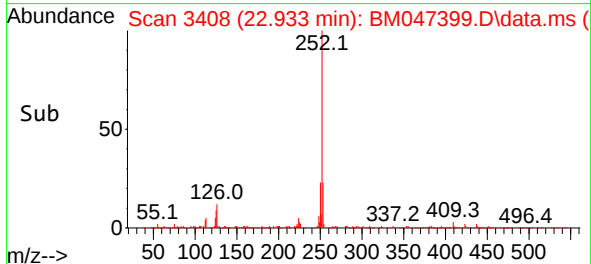
Instrument :
BNA_M
ClientSampleId :
DN-W-03



Tgt Ion:252 Resp: 154314
Ion Ratio Lower Upper
252 100
253 26.6 17.5 26.3
125 17.0 6.6 9.8

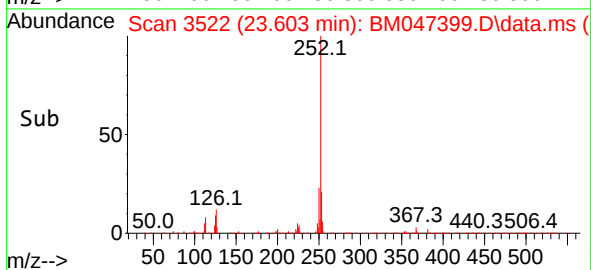
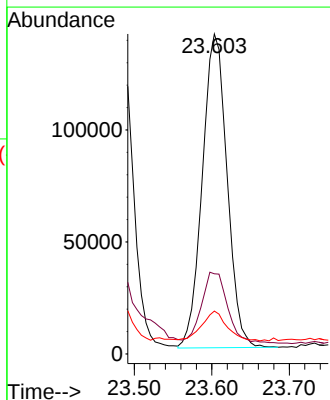
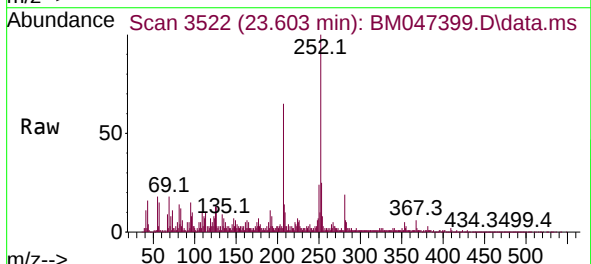
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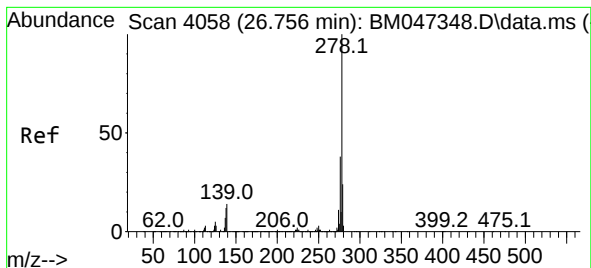
Reviewed By :Jagrut Upadhyay 08/30/2024
Supervised By :mohammad ahmed 09/02/2024



#90
Benzo(a)pyrene
Concen: 5.447 ng
RT: 23.603 min Scan# 3522
Delta R.T. 0.012 min
Lab File: BM047399.D
Acq: 29 Aug 2024 18:25

Tgt Ion:252 Resp: 310974
Ion Ratio Lower Upper
252 100
253 25.1 17.7 26.5
125 13.4 7.4 11.2





#91

Dibenzo(a,h)anthracene

Concen: 2.066 ng

RT: 26.762 min Scan# 4058

Delta R.T. 0.006 min

Lab File: BM047399.D

Acq: 29 Aug 2024 18:25

Instrument :

BNA_M

ClientSampleId :

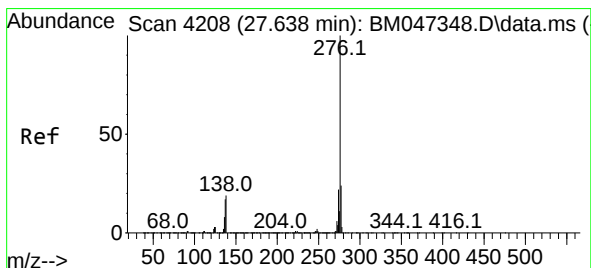
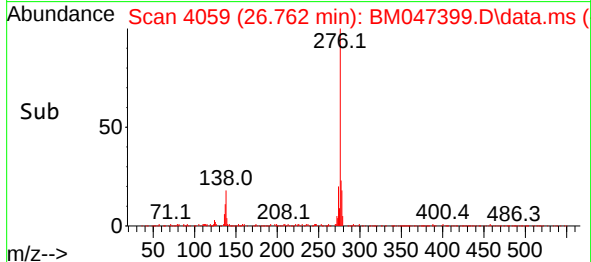
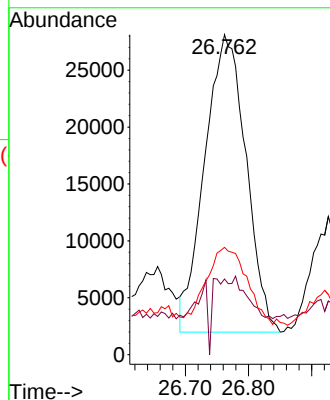
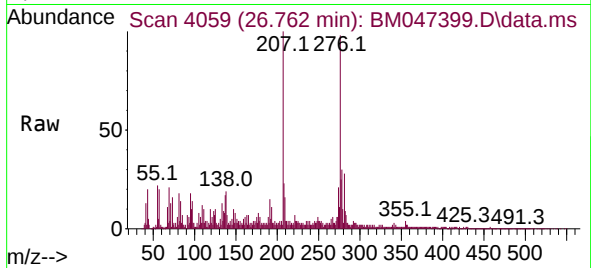
DN-W-03

Tgt Ion:	278	Resp:	118574
Ion Ratio	Lower	Upper	
278	100		
139	23.7	11.1	16.7
279	33.5	19.2	28.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/30/2024
Supervised By :mohammad ahmed 09/02/2024



#92

Benzo(g,h,i)perylene

Concen: 8.575 ng

RT: 27.679 min Scan# 4215

Delta R.T. 0.041 min

Lab File: BM047399.D

Acq: 29 Aug 2024 18:25

Tgt Ion:	276	Resp:	511633
Ion Ratio	Lower	Upper	
276	100		
277	23.7	19.4	29.0
138	19.7	15.0	22.6

