

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM090324\
 Data File : BM047424.D
 Acq On : 03 Sep 2024 14:05
 Operator : RC/JU
 Sample : P3788-01DL 10X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OR-02-082924DL

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 09/04/2024
 Supervised By :mohammad ahmed 09/06/2024

Quant Time: Sep 03 14:43:19 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	7.340	152	182453	20.000	ng	-0.01
21) Naphthalene-d8	10.093	136	675436	20.000	ng	-0.01
39) Acenaphthene-d10	14.004	164	460896	20.000	ng	0.00
64) Phenanthrene-d10	16.769	188	945088	20.000	ng	0.00
76) Chrysene-d12	21.015	240	713107	20.000	ng	0.00
86) Perylene-d12	23.715	264	822417	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.011	112	97417	10.244	ng	0.00
7) Phenol-d6	6.581	99	115272	8.898	ng	0.01
23) Nitrobenzene-d5	8.504	82	72229	5.933	ng	0.00
42) 2,4,6-Tribromophenol	15.528	330	50274	9.041	ng	0.00
45) 2-Fluorobiphenyl	12.610	172	195270	6.510	ng	0.00
79) Terphenyl-d14	19.433	244	275383	6.874	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	14.069	154	71875	3.089	ng	98
55) Dibenzofuran	14.416	168	82153	2.192	ng	# 96
58) Fluorene	15.069	166	117460	3.872	ng	96
71) Phenanthrene	16.816	178	1044111	22.749	ng	100
72) Anthracene	16.904	178	321177	7.178	ng	99
73) Carbazole	17.198	167	92027	2.143	ng	99
75) Fluoranthene	18.851	202	1567318	29.082	ng	100
78) Pyrene	19.216	202	1348417	24.654	ng	99
81) Benzo(a)anthracene	20.998	228	583942	12.557	ng	97
83) Chrysene	21.057	228	526769	12.042	ng	97
87) Indeno(1,2,3-cd)pyrene	26.721	276	377328	7.329	ng	95
88) Benzo(b)fluoranthene	22.874	252	691986	14.422	ng	97
89) Benzo(k)fluoranthene	22.921	252	233482m	5.133	ng	
90) Benzo(a)pyrene	23.592	252	527186	12.705	ng	97
91) Dibenzo(a,h)anthracene	26.739	278	95911	2.300	ng	# 84
92) Benzo(g,h,i)perylene	27.656	276	375995	8.672	ng	99

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

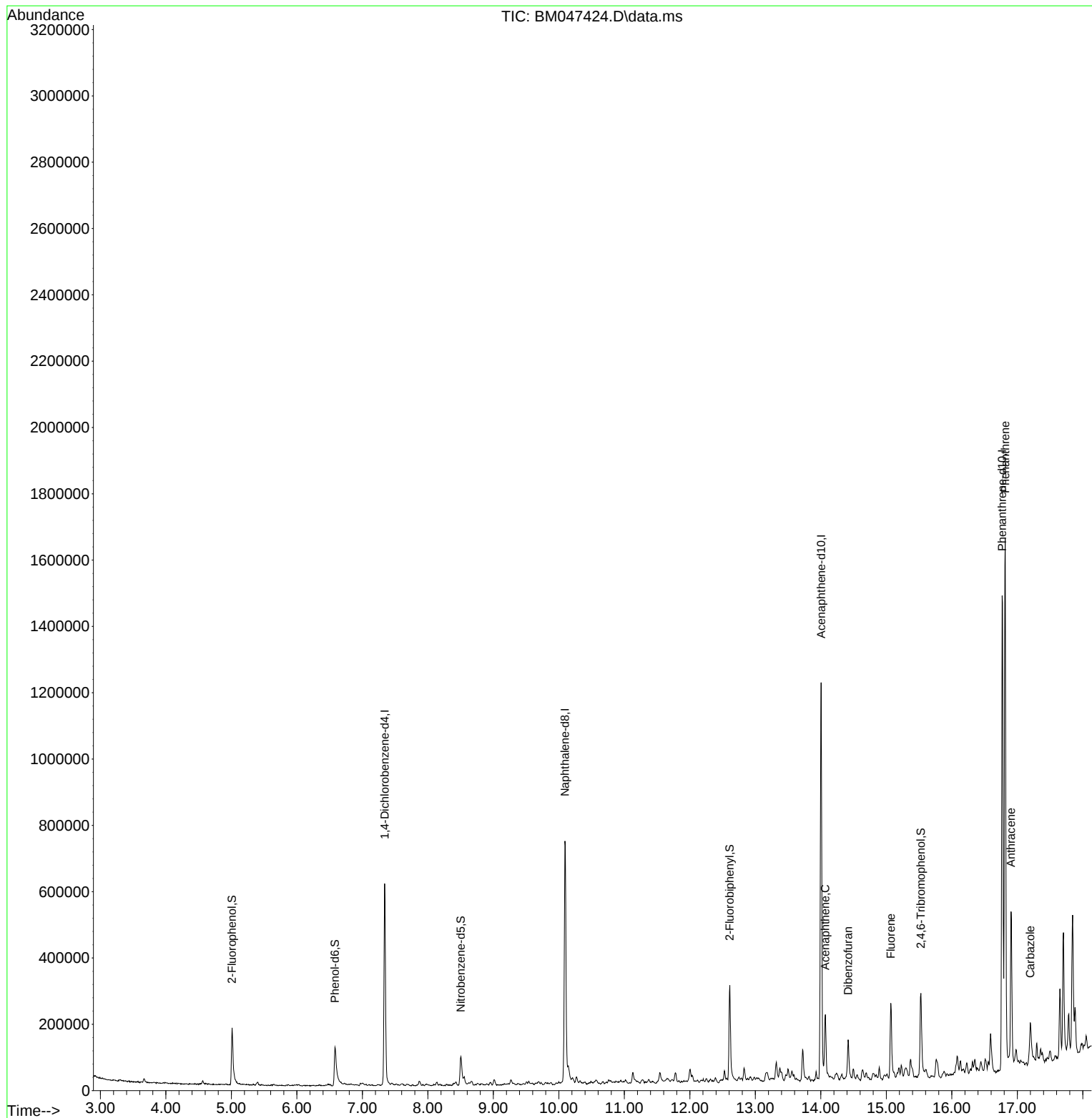
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM090324\
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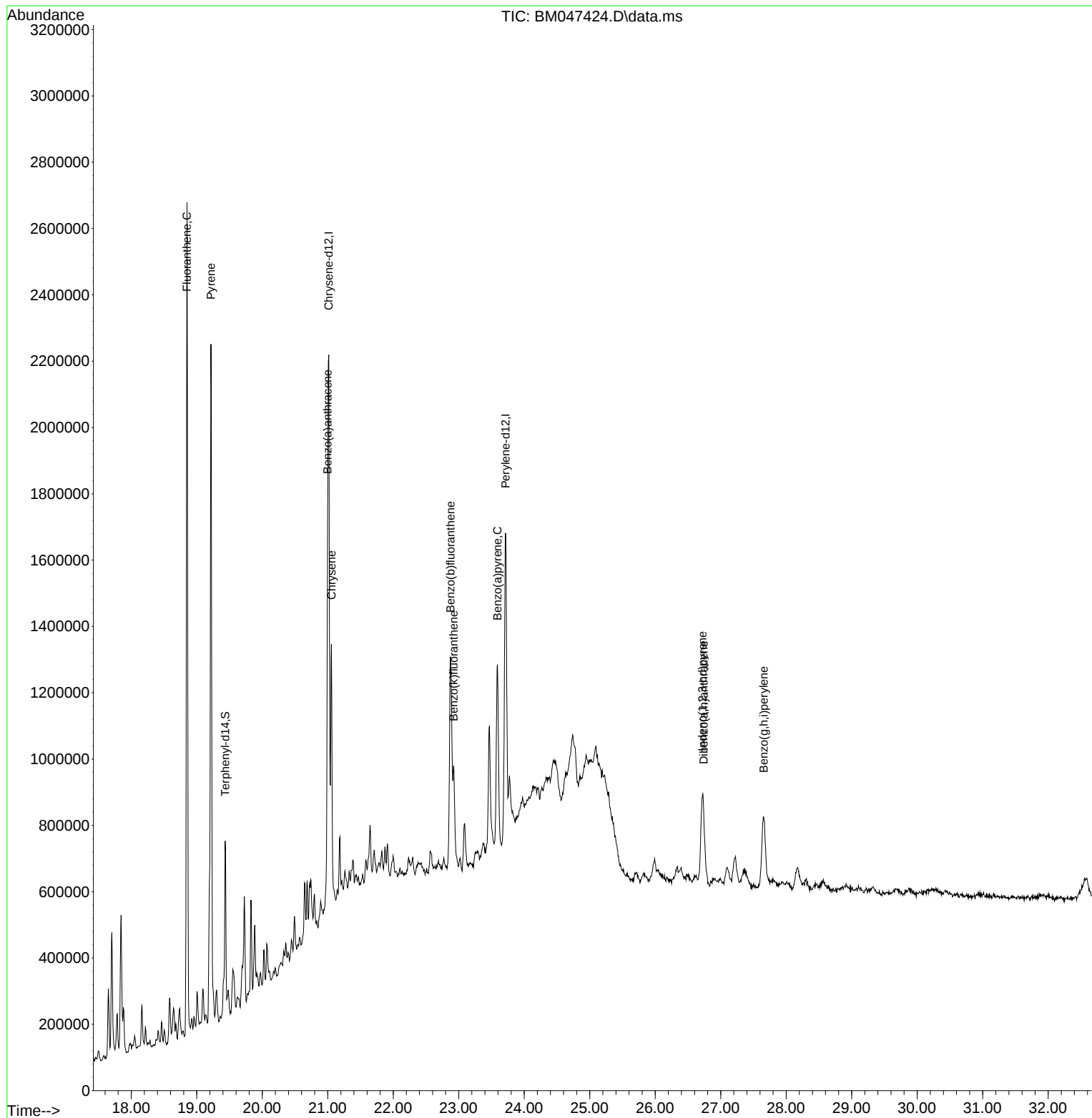
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Data File : BM047424.D
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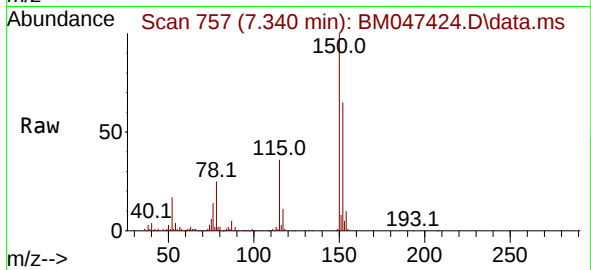
Reviewed By :Jagrut Upadhyay 09/04/2024
Supervised By :mohammad ahmed 09/06/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.340 min Scan# 759
Delta R.T. -0.011 min
Lab File: BM047424.D
Acq: 03 Sep 2024 14:05

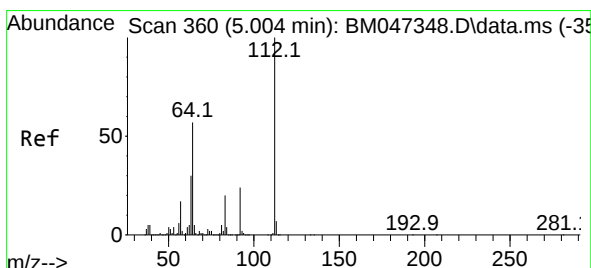
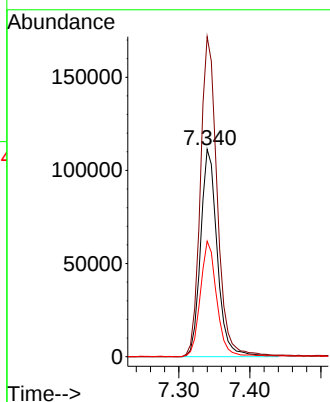
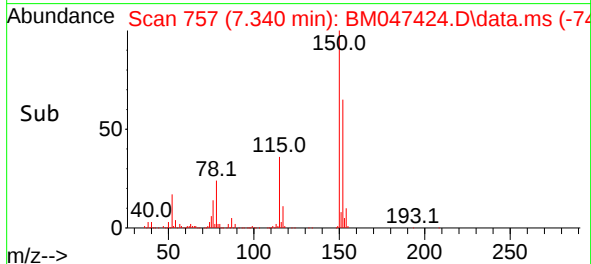
Instrument :
BNA_M
ClientSampleId :
OR-02-082924DL



Tgt Ion:152 Resp: 18245
Ion Ratio Lower Upper
152 100
150 154.3 121.3 181.9
115 55.7 42.6 64.0

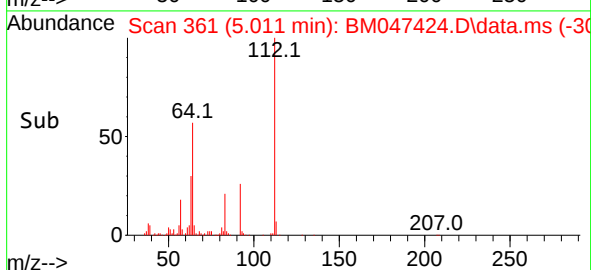
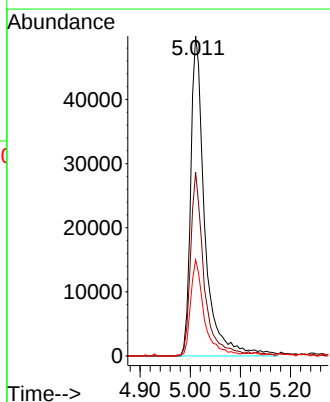
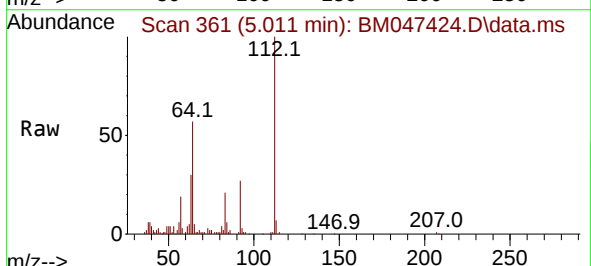
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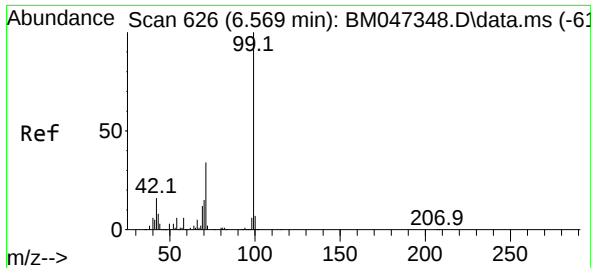
Reviewed By :Jagrut Upadhyay 09/04/2024
Supervised By :mohammad ahmed 09/06/2024



#5
2-Fluorophenol
Concen: 10.244 ng
RT: 5.011 min Scan# 361
Delta R.T. 0.006 min
Lab File: BM047424.D
Acq: 03 Sep 2024 14:05

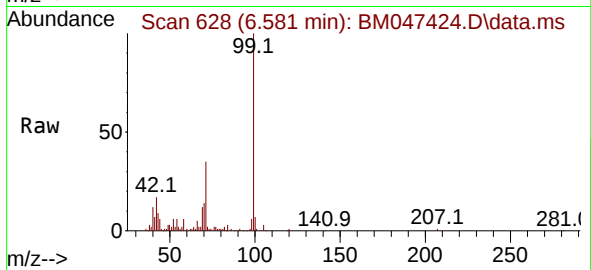
Tgt Ion:112 Resp: 97417
Ion Ratio Lower Upper
112 100
64 57.4 45.7 68.5
63 30.1 23.8 35.8





#7
Phenol-d6
Concen: 8.898 ng
RT: 6.581 min Scan# 61
Delta R.T. 0.012 min
Lab File: BM047424.D
Acq: 03 Sep 2024 14:05

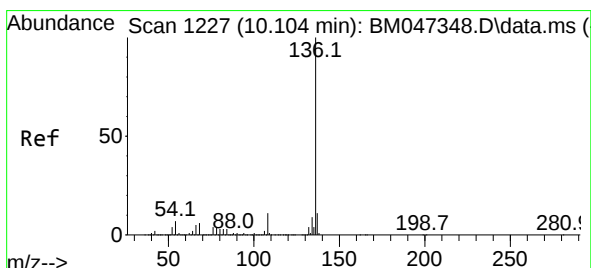
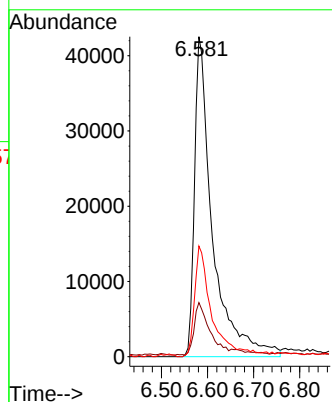
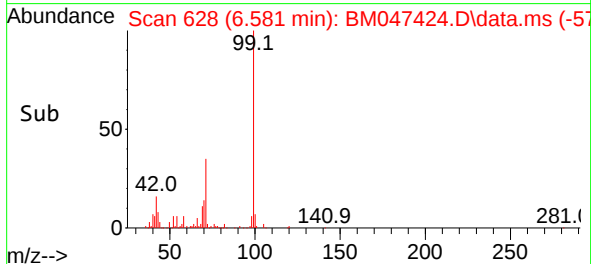
Instrument :
BNA_M
ClientSampleId :
OR-02-082924DL



Tgt Ion: 99 Resp: 115272
Ion Ratio Lower Upper
99 100
42 16.9 13.0 19.4
71 34.5 27.5 41.3

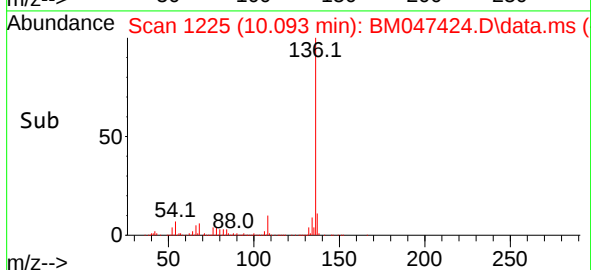
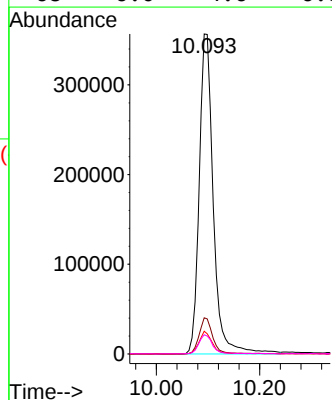
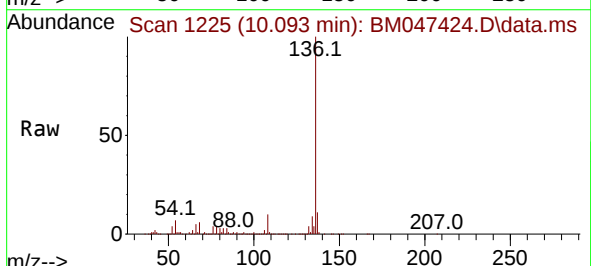
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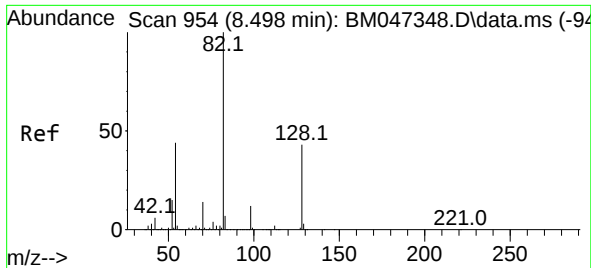
Reviewed By :Jagrut Upadhyay 09/04/2024
Supervised By :mohammad ahmed 09/06/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.093 min Scan# 1225
Delta R.T. -0.011 min
Lab File: BM047424.D
Acq: 03 Sep 2024 14:05

Tgt Ion:136 Resp: 675436
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 7.1 5.2 7.8
68 6.0 4.6 6.8





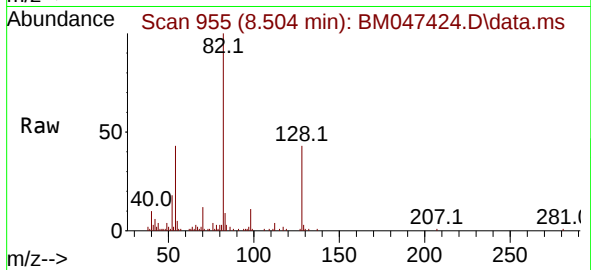
#23
Nitrobenzene-d5
Concen: 5.933 ng
RT: 8.504 min Scan# 91
Delta R.T. 0.006 min
Lab File: BM047424.D
Acq: 03 Sep 2024 14:05

Instrument :

BNA_M

ClientSampleId :

OR-02-082924DL

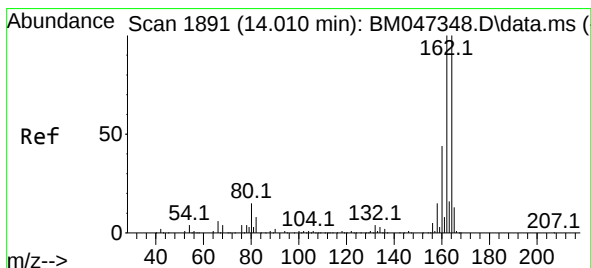
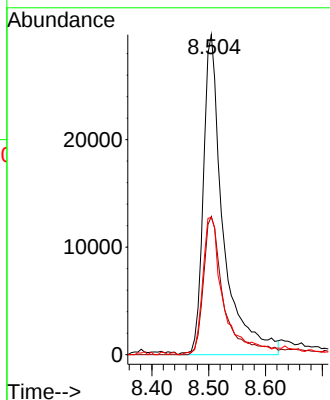
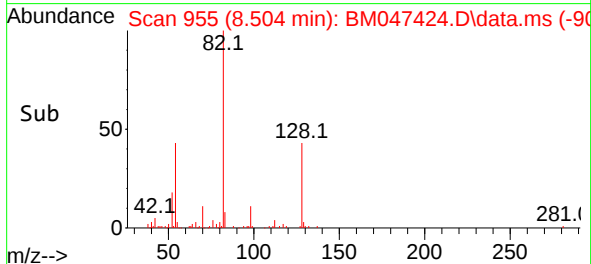


Tgt Ion: 82 Resp: 72229
Ion Ratio Lower Upper
82 100
128 43.2 34.6 51.8
54 42.9 35.5 53.3

Manual Integrations

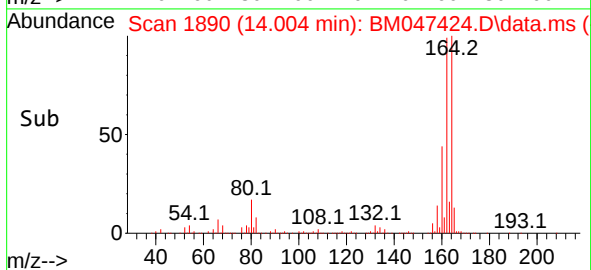
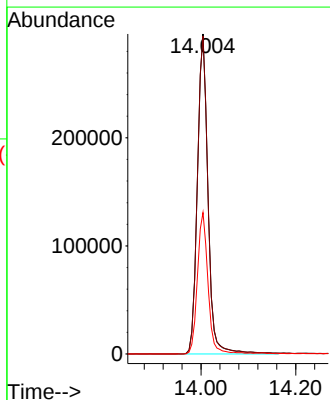
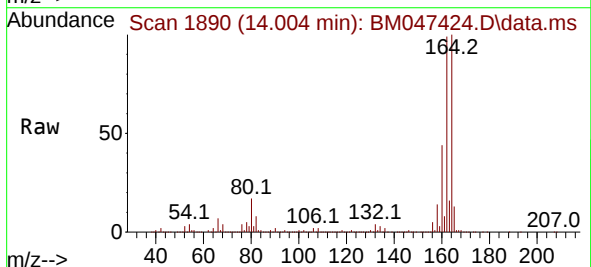
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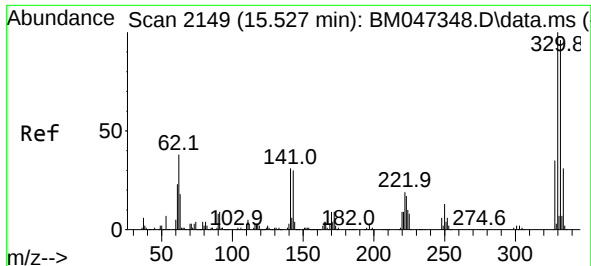
Reviewed By :Jagrut Upadhyay 09/04/2024
Supervised By :mohammad ahmed 09/06/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.004 min Scan# 1890
Delta R.T. -0.006 min
Lab File: BM047424.D
Acq: 03 Sep 2024 14:05

Tgt Ion:164 Resp: 460896
Ion Ratio Lower Upper
164 100
162 99.3 79.7 119.5
160 44.2 34.9 52.3





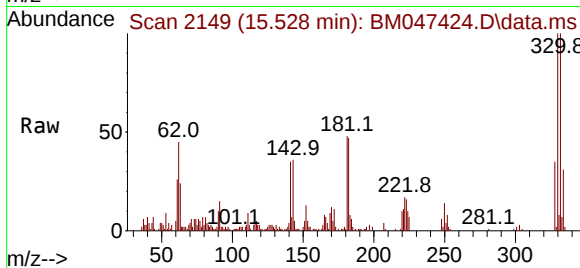
#42
2,4,6-Tribromophenol
Concen: 9.041 ng
RT: 15.528 min Scan# 2149
Delta R.T. 0.000 min
Lab File: BM047424.D
Acq: 03 Sep 2024 14:05

Instrument :

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ClientSampleId :

OR-02-082924DL

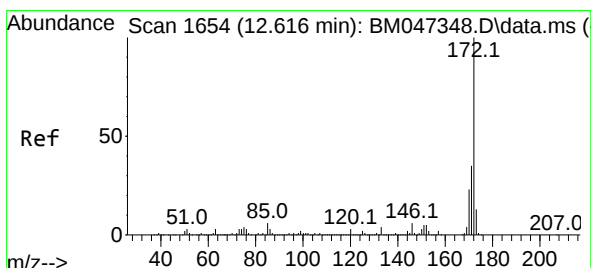
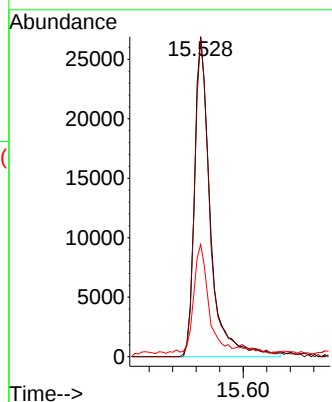
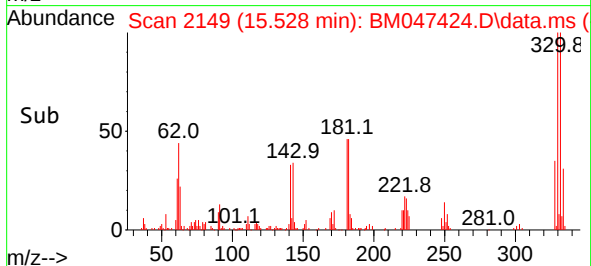


Tgt Ion:330 Resp: 50274
Ion Ratio Lower Upper
330 100
332 98.6 77.2 115.8
141 32.8 27.6 41.4

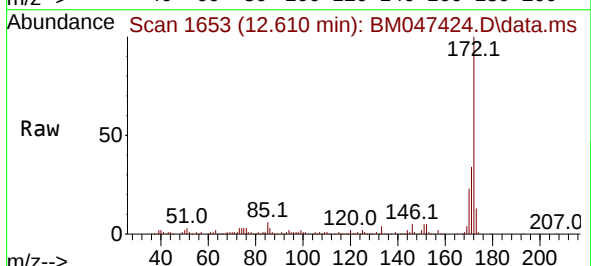
Manual Integrations

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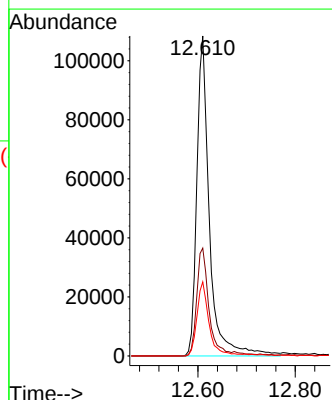
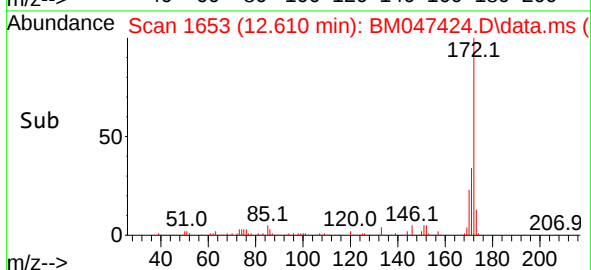
Reviewed By :Jagrut Upadhyay 09/04/2024
Supervised By :mohammad ahmed 09/06/2024

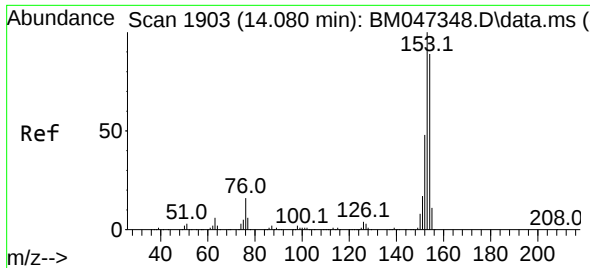


#45
2-Fluorobiphenyl
Concen: 6.510 ng
RT: 12.610 min Scan# 1653
Delta R.T. -0.006 min
Lab File: BM047424.D
Acq: 03 Sep 2024 14:05



Tgt Ion:172 Resp: 195270
Ion Ratio Lower Upper
172 100
171 33.7 27.8 41.6
170 23.2 18.5 27.7





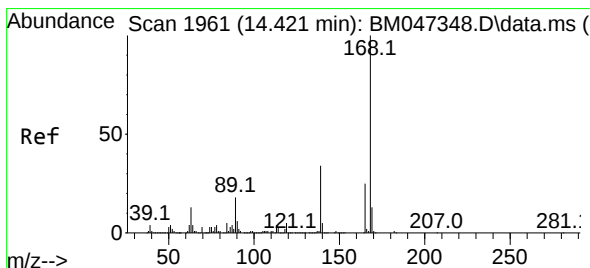
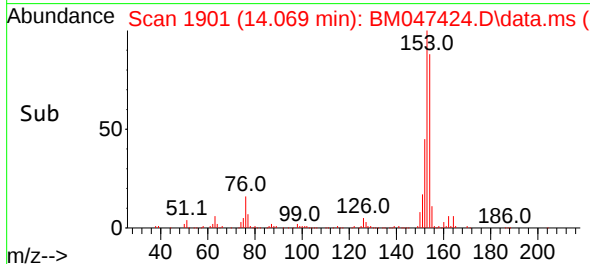
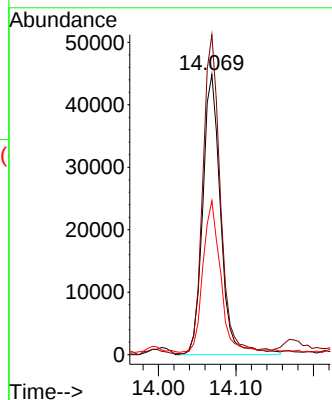
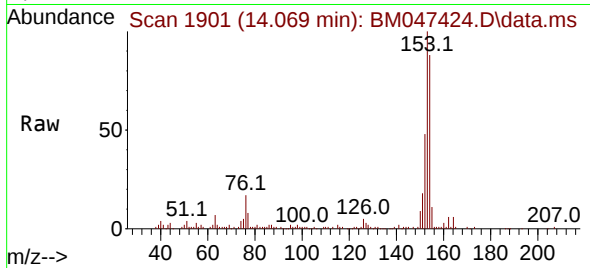
#52
Acenaphthene
Concen: 3.089 ng
RT: 14.069 min Scan# 1903
Delta R.T. -0.011 min
Lab File: BM047424.D
Acq: 03 Sep 2024 14:05

Instrument :
BNA_M
ClientSampleId :
OR-02-082924DL

Tgt Ion:154 Resp: 7187
Ion Ratio Lower Upper
154 100
153 114.2 89.5 134.3
152 55.0 43.0 64.4

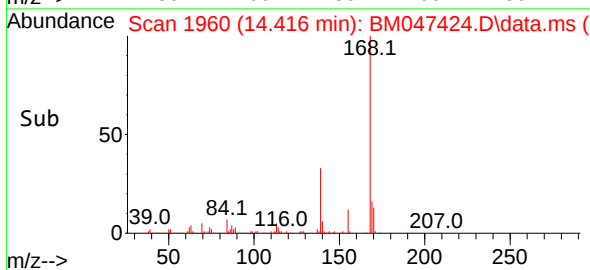
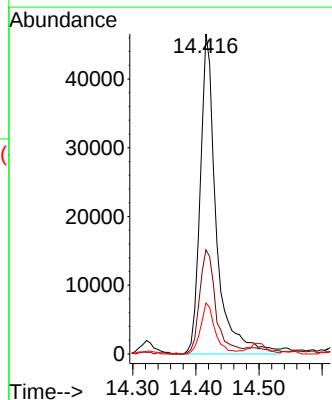
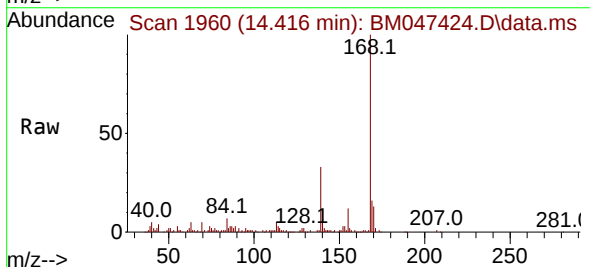
Manual Integrations
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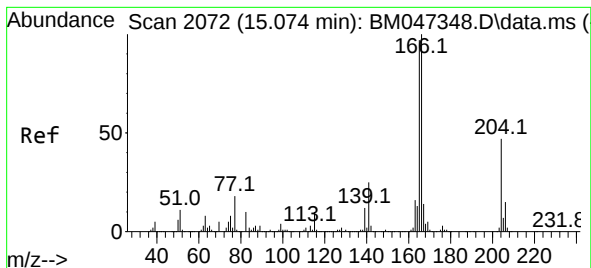
Reviewed By :Jagrut Upadhyay 09/04/2024
Supervised By :mohammad ahmed 09/06/2024



#55
Dibenzofuran
Concen: 2.192 ng
RT: 14.416 min Scan# 1960
Delta R.T. -0.006 min
Lab File: BM047424.D
Acq: 03 Sep 2024 14:05

Tgt Ion:168 Resp: 82153
Ion Ratio Lower Upper
168 100
139 32.5 27.5 41.3
169 16.0 10.5 15.7#





#58

Fluorene

Concen: 3.872 ng

RT: 15.069 min Scan# 2072

Delta R.T. -0.006 min

Lab File: BM047424.D

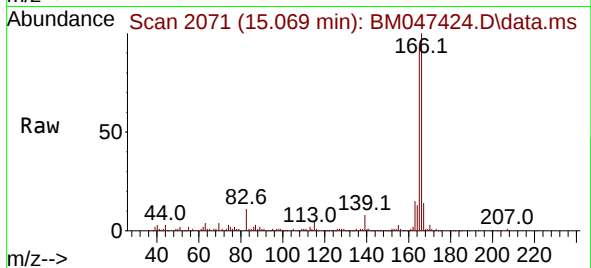
Acq: 03 Sep 2024 14:05

Instrument :

BNA_M

ClientSampleId :

OR-02-082924DL



Tgt Ion:166 Resp: 117460

Ion Ratio Lower Upper

166 100

165 92.6 77.8 116.6

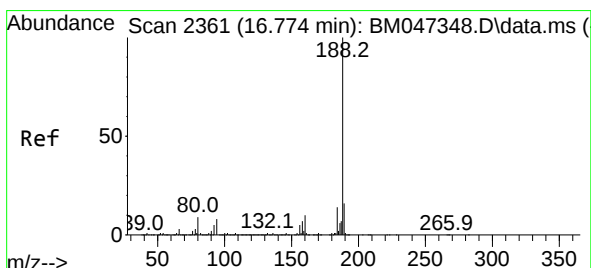
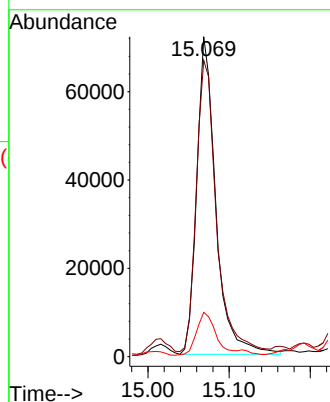
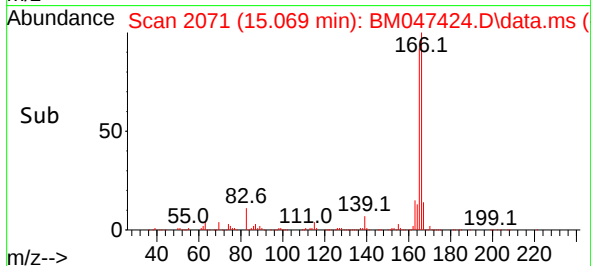
167 13.9 11.1 16.7

Manual Integrations

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Supervised By :mohammad ahmed 09/06/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.769 min Scan# 2360

Delta R.T. -0.006 min

Lab File: BM047424.D

Acq: 03 Sep 2024 14:05

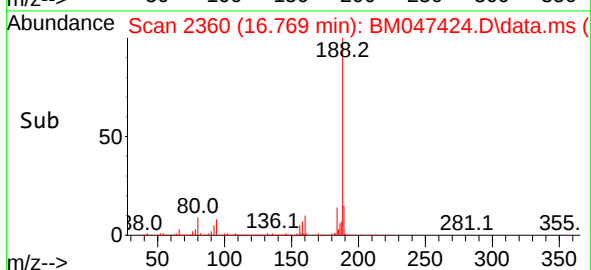
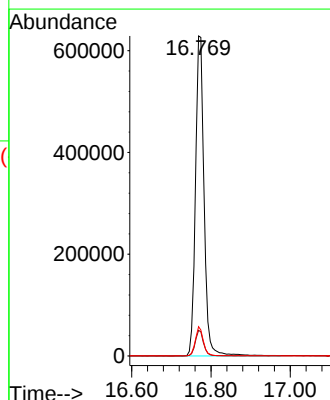
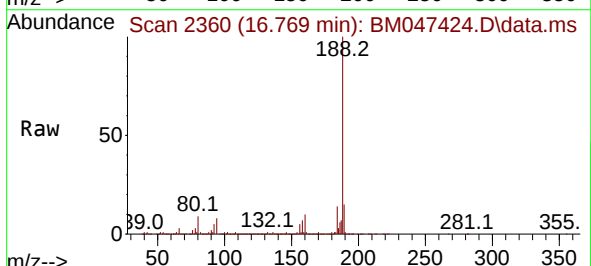
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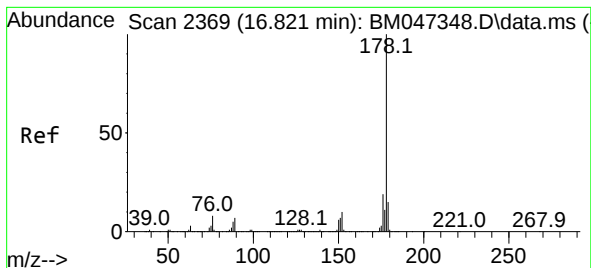
Ion Ratio Lower Upper

188 100

94 8.0 6.4 9.6

80 9.2 7.4 11.2





#71

Phenanthrene

Concen: 22.749 ng

RT: 16.816 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047424.D

Acq: 03 Sep 2024 14:05

Instrument :

BNA_M

ClientSampleId :

OR-02-082924DL

Tgt Ion:178 Resp: 104411

Ion Ratio Lower Upper

178 100

176 19.1 15.2 22.8

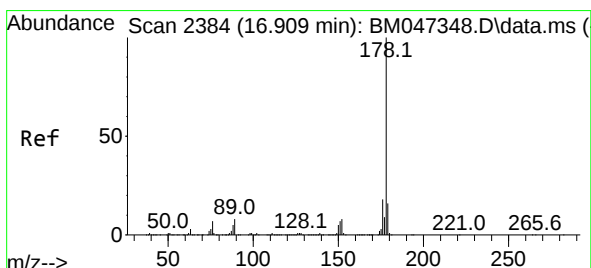
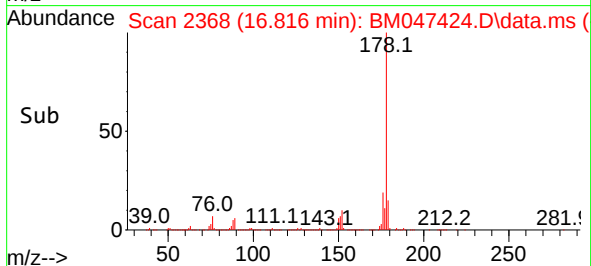
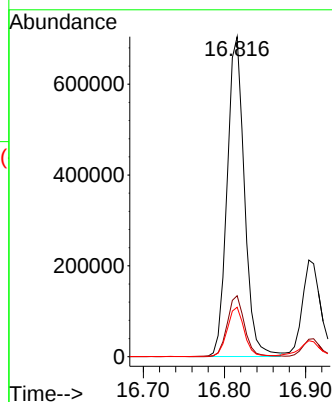
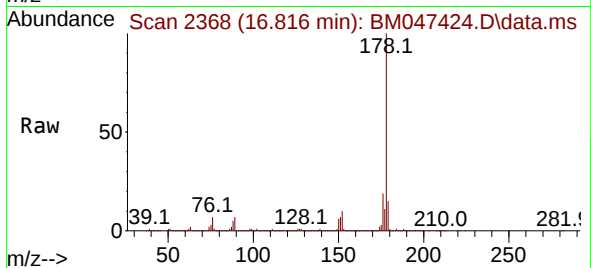
179 15.4 12.2 18.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/04/2024

Supervised By :mohammad ahmed 09/06/2024



#72

Anthracene

Concen: 7.178 ng

RT: 16.904 min Scan# 2383

Delta R.T. -0.006 min

Lab File: BM047424.D

Acq: 03 Sep 2024 14:05

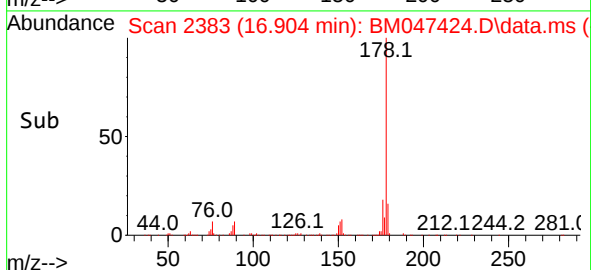
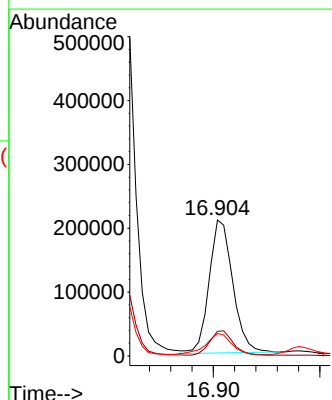
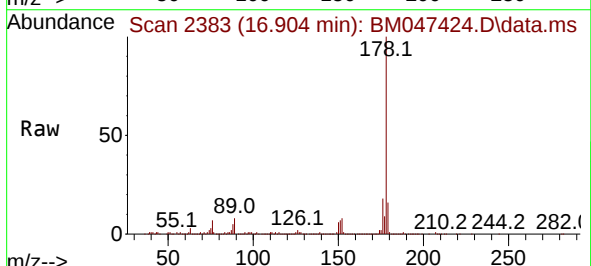
Tgt Ion:178 Resp: 321177

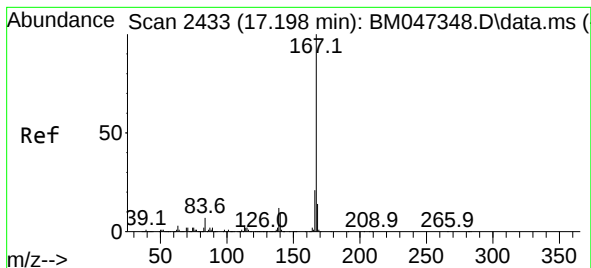
Ion Ratio Lower Upper

178 100

176 18.1 14.7 22.1

179 16.5 12.6 18.8





#73

Carbazole

Concen: 2.143 ng

RT: 17.198 min Scan# 2433

Delta R.T. 0.000 min

Lab File: BM047424.D

Acq: 03 Sep 2024 14:05

Instrument :

BNA_M

ClientSampleId :

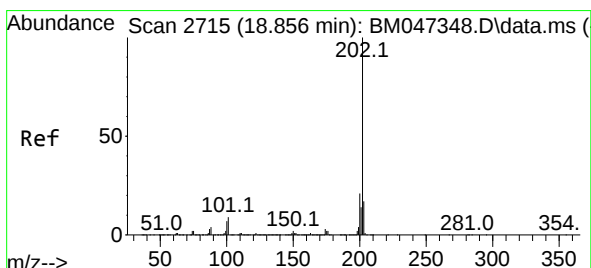
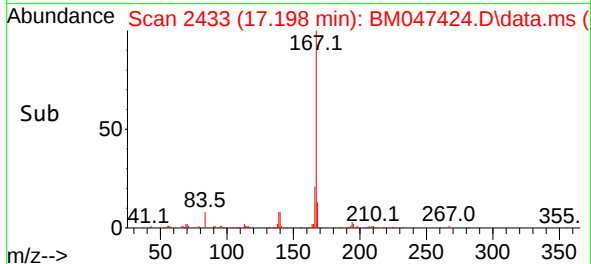
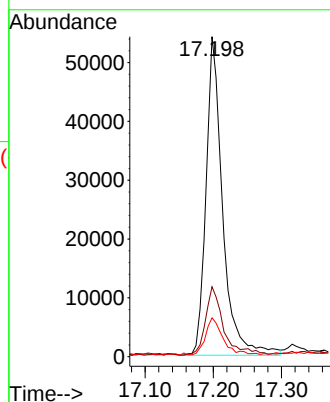
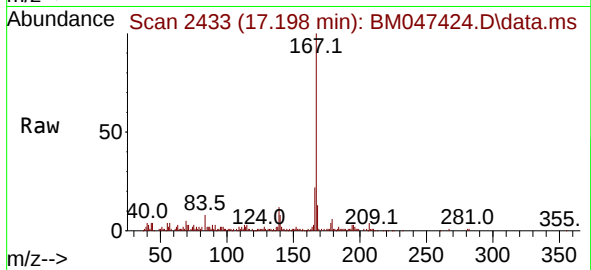
OR-02-082924DL

Tgt Ion:167	Resp: 9202
Ion Ratio	Lower Upper
167 100	
166 21.8	16.9 25.3
139 12.1	9.5 14.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/04/2024
Supervised By :mohammad ahmed 09/06/2024



#75

Fluoranthene

Concen: 29.082 ng

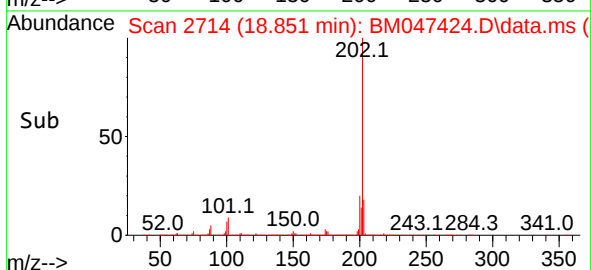
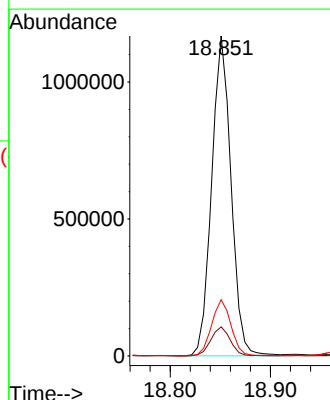
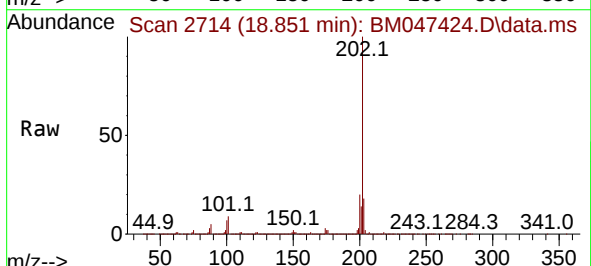
RT: 18.851 min Scan# 2714

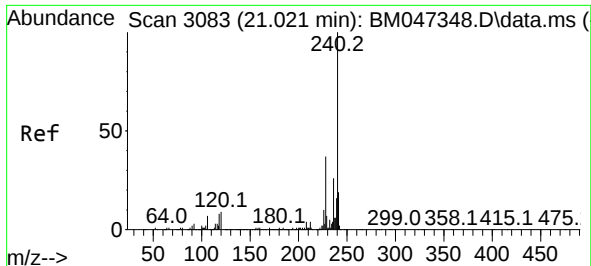
Delta R.T. -0.006 min

Lab File: BM047424.D

Acq: 03 Sep 2024 14:05

Tgt Ion:202	Resp: 1567318
Ion Ratio	Lower Upper
202 100	
101 9.1	0.0 29.0
203 17.6	0.0 37.5





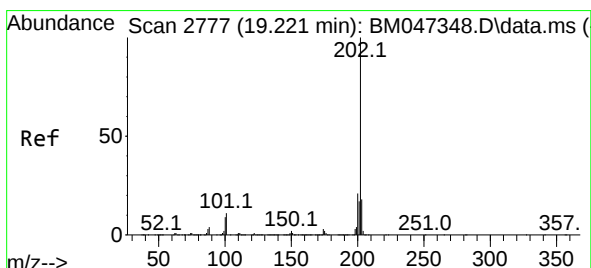
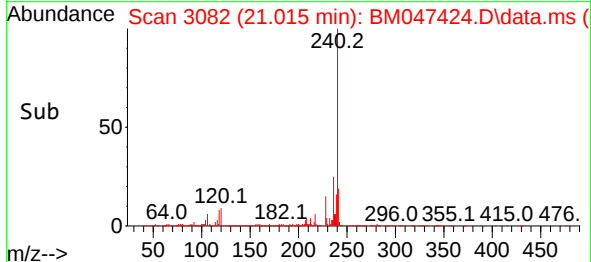
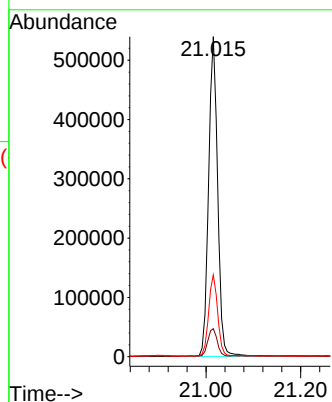
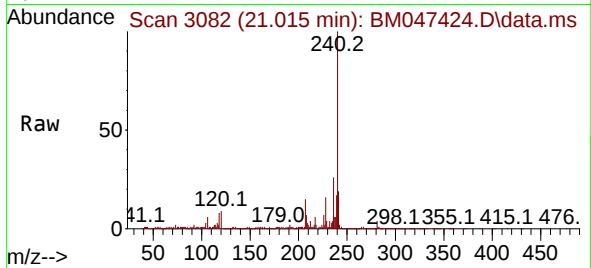
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.015 min Scan# 3083
Delta R.T. -0.006 min
Lab File: BM047424.D
Acq: 03 Sep 2024 14:05

Instrument :
BNA_M
ClientSampleId :
OR-02-082924DL

Tgt Ion:240 Resp: 71310
Ion Ratio Lower Upper
240 100
120 8.8 7.4 11.0
236 25.6 20.8 31.2

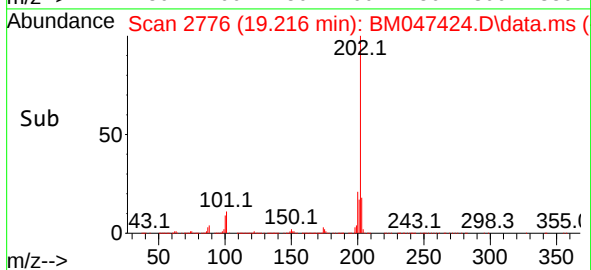
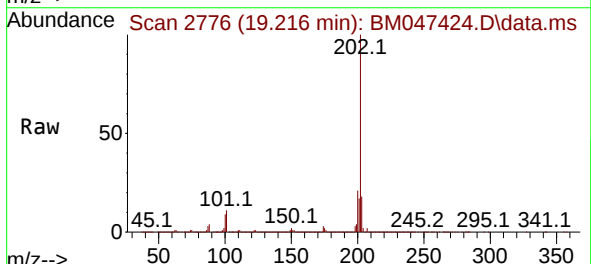
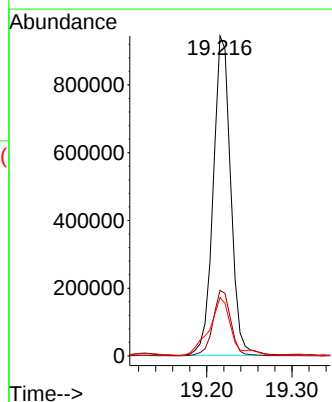
Manual Integrations
APPROVED

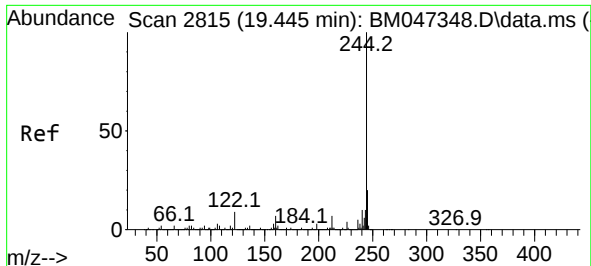
Reviewed By :Jagrut Upadhyay 09/04/2024
Supervised By :mohammad ahmed 09/06/2024



#78
Pyrene
Concen: 24.654 ng
RT: 19.216 min Scan# 2776
Delta R.T. -0.006 min
Lab File: BM047424.D
Acq: 03 Sep 2024 14:05

Tgt Ion:202 Resp: 1348417
Ion Ratio Lower Upper
202 100
200 20.5 16.7 25.1
203 18.2 14.2 21.4





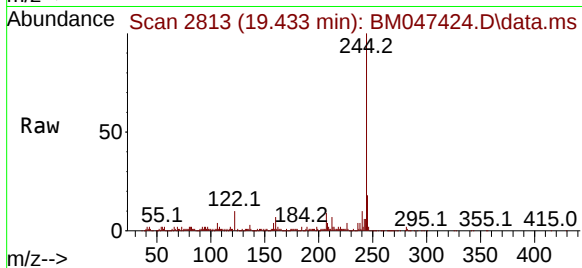
#79
 Terphenyl-d14
 Concen: 6.874 ng
 RT: 19.433 min Scan# 21
 Delta R.T. -0.011 min
 Lab File: BM047424.D
 Acq: 03 Sep 2024 14:05

Instrument :

BNA_M

ClientSampleId :

OR-02-082924DL

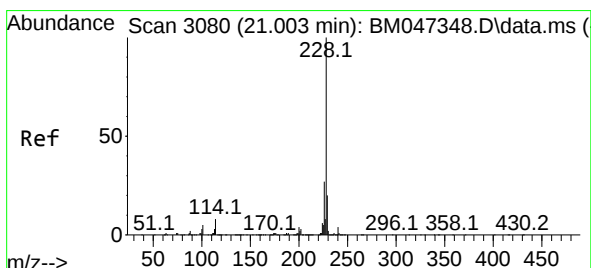
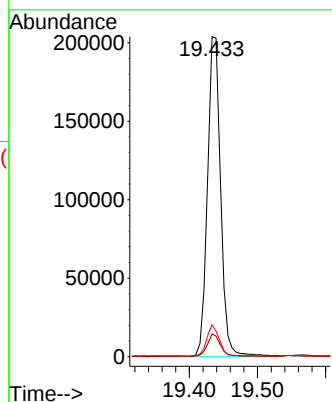
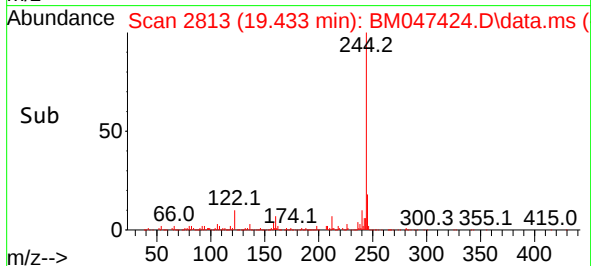


Tgt Ion:244 Resp: 27538
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 9.9 7.0 10.4

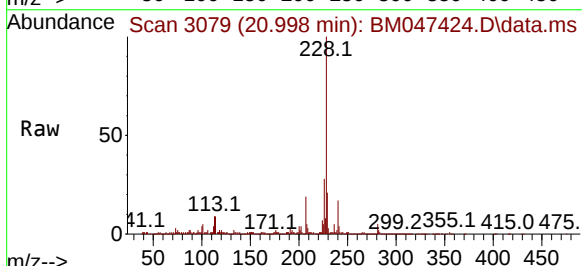
Manual Integrations

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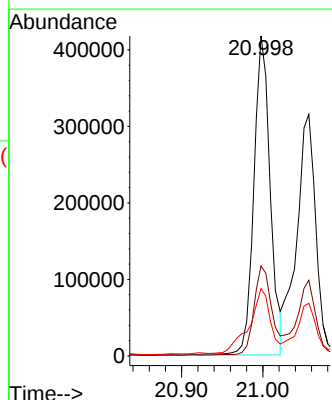
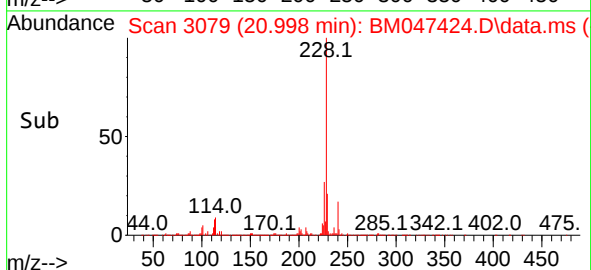
Reviewed By :Jagrut Upadhyay 09/04/2024
 Supervised By :mohammad ahmed 09/06/2024

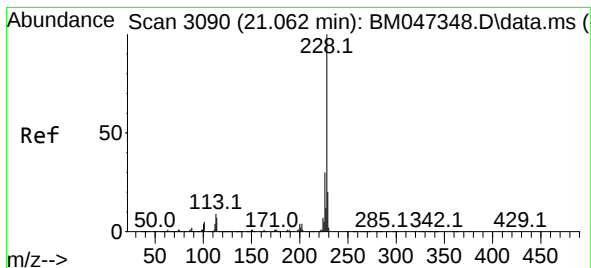


#81
 Benzo(a)anthracene
 Concen: 12.557 ng
 RT: 20.998 min Scan# 3079
 Delta R.T. -0.006 min
 Lab File: BM047424.D
 Acq: 03 Sep 2024 14:05



Tgt Ion:228 Resp: 583942
 Ion Ratio Lower Upper
 228 100
 226 28.1 21.4 32.0
 229 21.0 15.8 23.8





#83

Chrysene

Concen: 12.042 ng

RT: 21.057 min Scan# 3090

Delta R.T. -0.006 min

Lab File: BM047424.D

Acq: 03 Sep 2024 14:05

Instrument :

BNA_M

ClientSampleId :

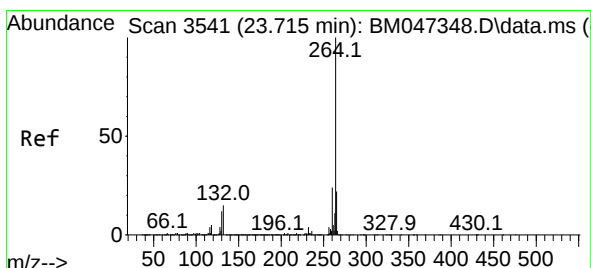
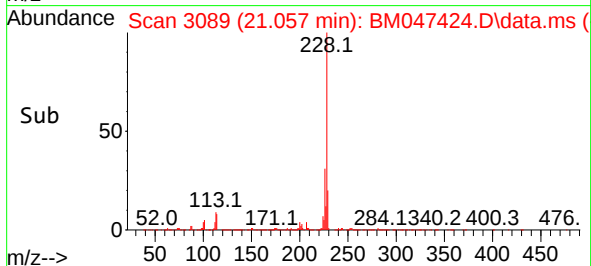
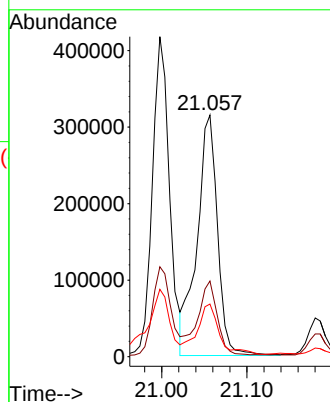
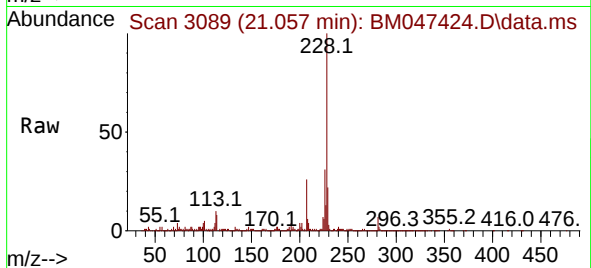
OR-02-082924DL

Tgt Ion:	228	Resp:	526769
Ion Ratio	Lower	Upper	
228	100		
226	31.3	24.0	36.0
229	21.8	15.9	23.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/04/2024
Supervised By :mohammad ahmed 09/06/2024



#86

Perylene-d12

Concen: 20.000 ng

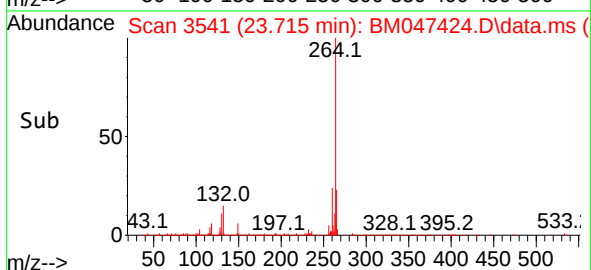
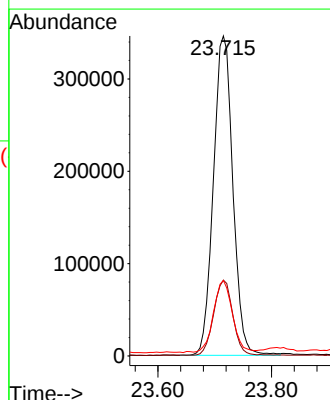
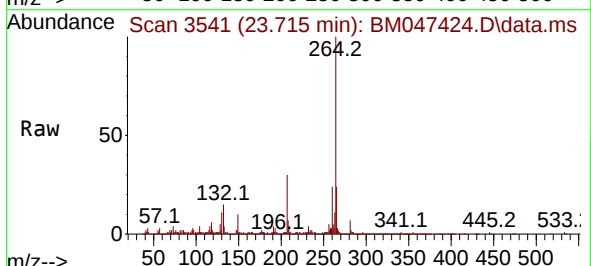
RT: 23.715 min Scan# 3541

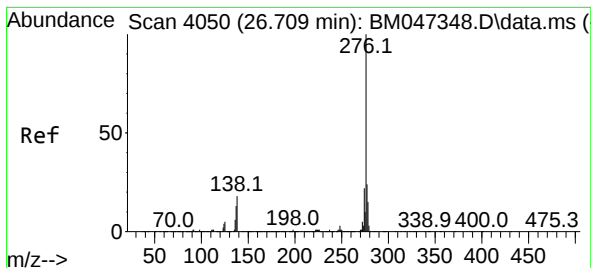
Delta R.T. 0.000 min

Lab File: BM047424.D

Acq: 03 Sep 2024 14:05

Tgt Ion:	264	Resp:	822417
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.0	28.4
265	23.6	17.8	26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.329 ng

RT: 26.721 min Scan# 4052

Delta R.T. 0.012 min

Lab File: BM047424.D

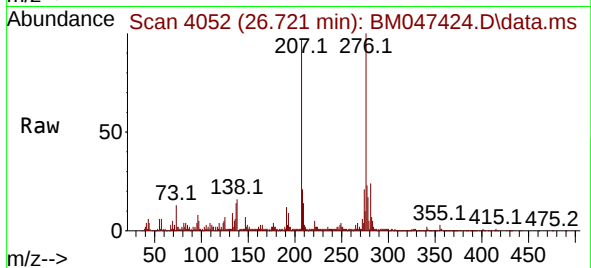
Acq: 03 Sep 2024 14:05

Instrument :

BNA_M

ClientSampleId :

OR-02-082924DL

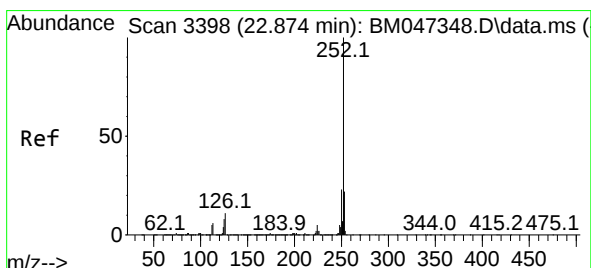
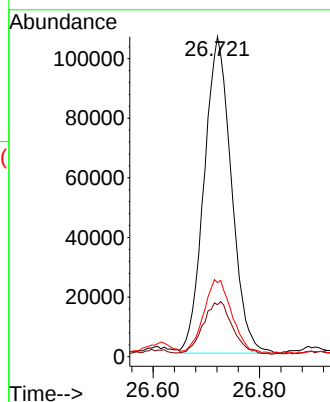
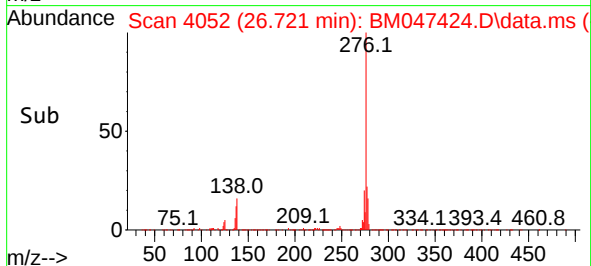


Tgt Ion:	276	Resp:	377328
Ion Ratio	Lower	Upper	
276	100		
138	17.9	17.7	26.5
277	24.0	20.0	30.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/04/2024
Supervised By :mohammad ahmed 09/06/2024



#88

Benzo(b)fluoranthene

Concen: 14.422 ng

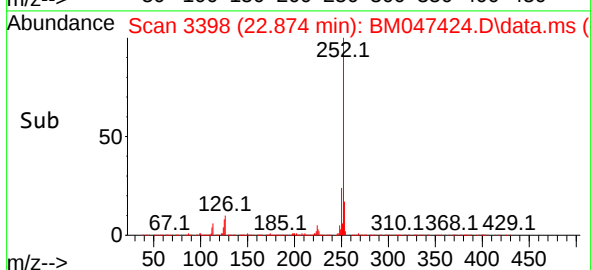
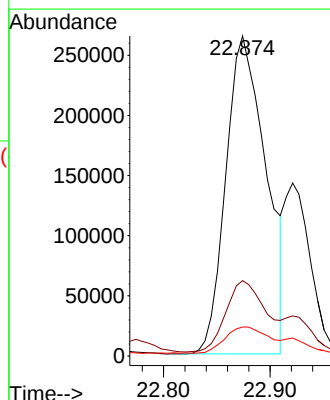
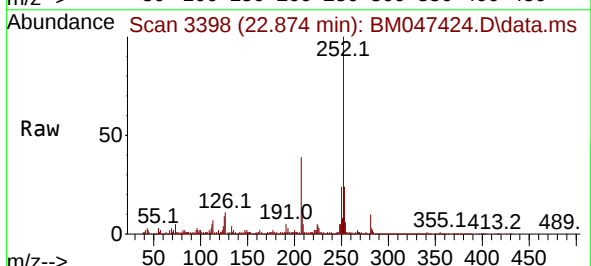
RT: 22.874 min Scan# 3398

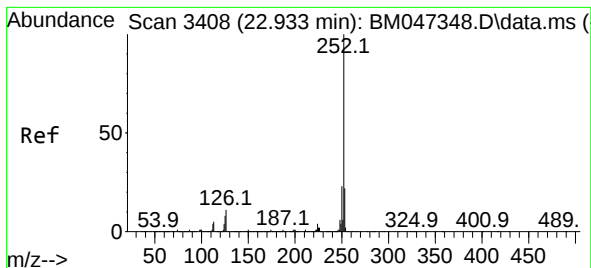
Delta R.T. 0.000 min

Lab File: BM047424.D

Acq: 03 Sep 2024 14:05

Tgt Ion:	252	Resp:	691986
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.8	26.6
125	9.1	6.6	10.0





#89

Benzo(k)fluoranthene

Concen: 5.133 ng m

RT: 22.921 min Scan# 3408

Delta R.T. -0.011 min

Lab File: BM047424.D

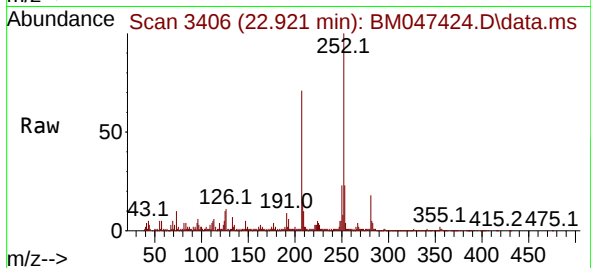
Acq: 03 Sep 2024 14:05

Instrument :

BNA_M

ClientSampleId :

OR-02-082924DL



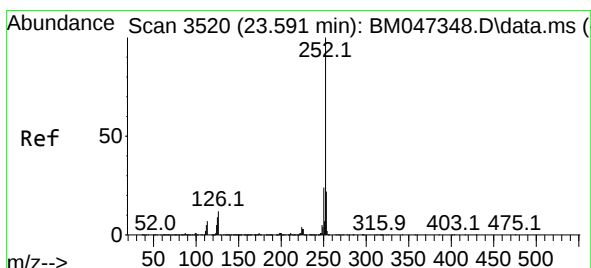
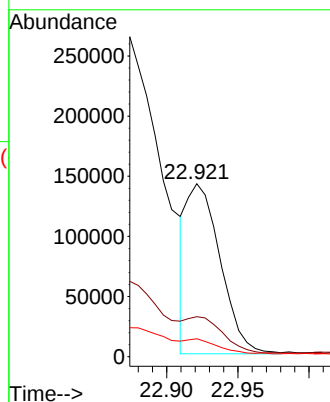
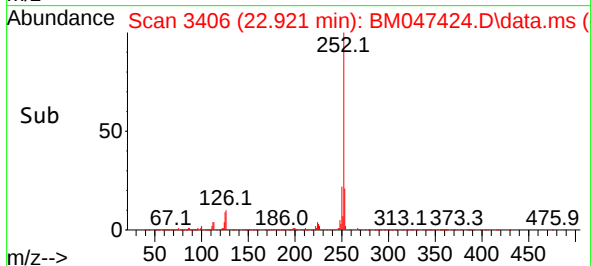
Tgt Ion:252 Resp: 23348

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	10.4	6.6	9.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/04/2024
Supervised By :mohammad ahmed 09/06/2024



#90

Benzo(a)pyrene

Concen: 12.705 ng

RT: 23.592 min Scan# 3520

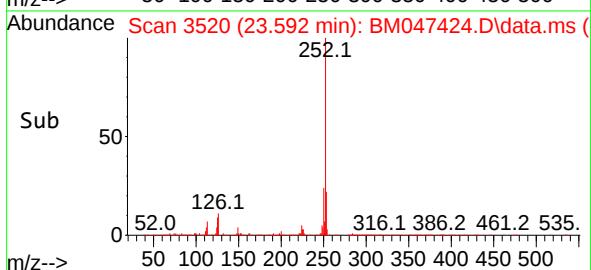
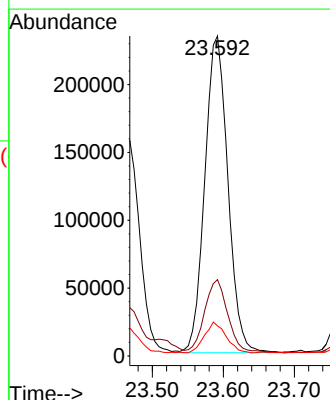
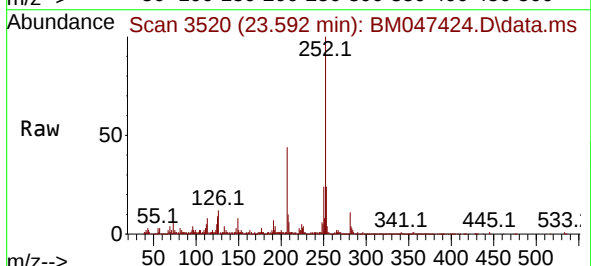
Delta R.T. 0.000 min

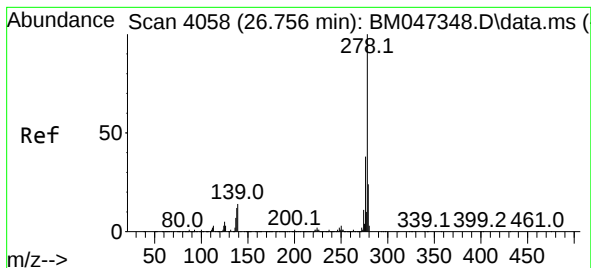
Lab File: BM047424.D

Acq: 03 Sep 2024 14:05

Tgt Ion:252 Resp: 527186

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.7	26.5
125	9.4	7.4	11.2





#91

Dibenzo(a,h)anthracene

Concen: 2.300 ng

RT: 26.739 min Scan# 4058

Delta R.T. -0.017 min

Lab File: BM047424.D

Acq: 03 Sep 2024 14:05

Instrument :

BNA_M

ClientSampleId :

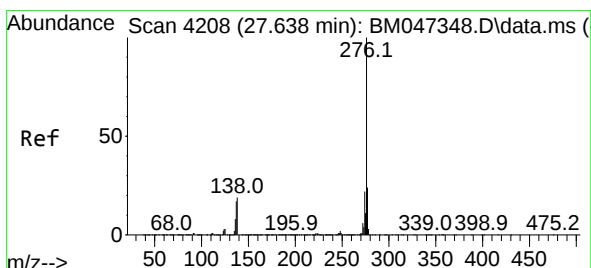
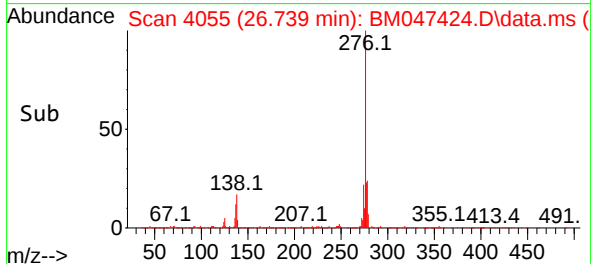
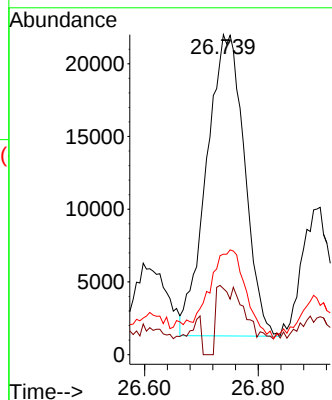
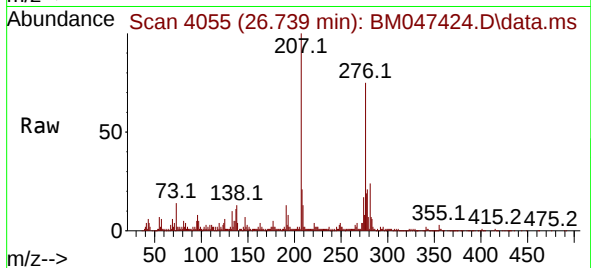
OR-02-082924DL

Tgt Ion:	278	Resp:	9591
Ion Ratio	Lower	Upper	
278	100		
139	20.7	11.1	16.7
279	31.4	19.2	28.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/04/2024
Supervised By :mohammad ahmed 09/06/2024



#92

Benzo(g,h,i)perylene

Concen: 8.672 ng

RT: 27.656 min Scan# 4211

Delta R.T. 0.018 min

Lab File: BM047424.D

Acq: 03 Sep 2024 14:05

Tgt Ion:	276	Resp:	375995
Ion Ratio	Lower	Upper	
276	100		
277	25.0	19.4	29.0
138	18.6	15.0	22.6

