

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082024\
 Data File : BM047288.D
 Acq On : 21 Aug 2024 02:52
 Operator : RC/JU
 Sample : P3580-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 926-K1-SD-0-0.5-081224

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 08/21/2024
 Supervised By :mohammad ahmed 08/22/2024

Quant Time: Aug 21 03:35:33 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Aug 11 23:47:58 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.357	152	325100	20.000	ng	-0.02
21) Naphthalene-d8	10.110	136	1151138	20.000	ng	-0.02
39) Acenaphthene-d10	14.015	164	676260	20.000	ng	-0.02
64) Phenanthrene-d10	16.780	188	1233459	20.000	ng	-0.01
76) Chrysene-d12	21.015	240	998917	20.000	ng	-0.02
86) Perylene-d12	23.715	264	1183450	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.016	112	1238497	68.071	ng	0.00
7) Phenol-d6	6.575	99	1561127	62.271	ng	-0.01
23) Nitrobenzene-d5	8.504	82	1040718	45.523	ng	-0.02
42) 2,4,6-Tribromophenol	15.527	330	535563	68.300	ng	-0.01
45) 2-Fluorobiphenyl	12.621	172	2112334	48.182	ng	-0.02
79) Terphenyl-d14	19.445	244	2279531	48.898	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	16.821	178	219566	3.547	ng	99
75) Fluoranthene	18.856	202	413414	5.491	ng	99
78) Pyrene	19.221	202	329794	4.624	ng	98
81) Benzo(a)anthracene	21.003	228	146031	2.202	ng	98
83) Chrysene	21.056	228	177732m	2.825	ng	
88) Benzo(b)fluoranthene	22.868	252	232248	3.305	ng	97
90) Benzo(a)pyrene	23.585	252	140618	2.310	ng	98

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

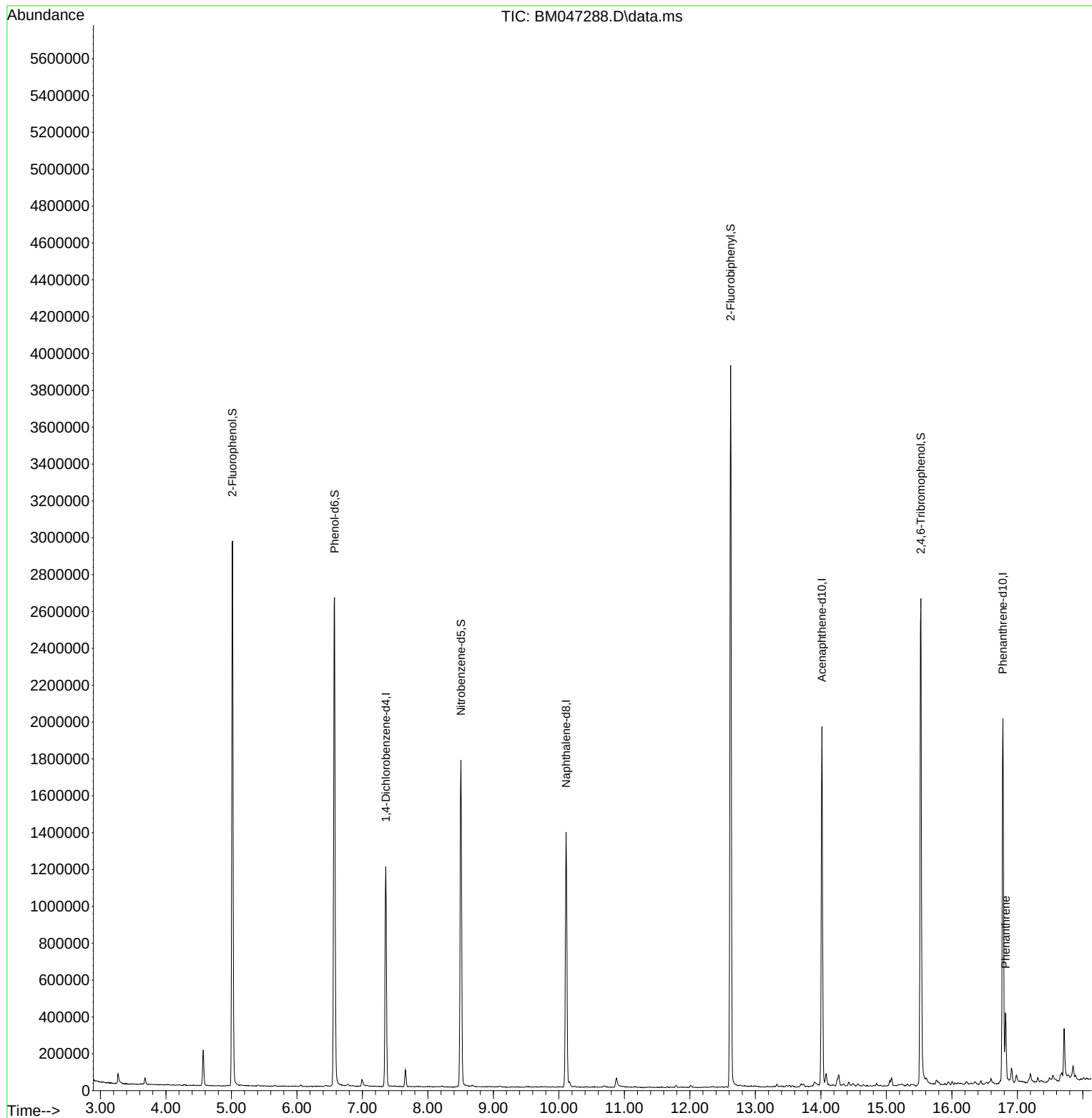
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082024\
Data File : BM047288.D
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Sample : P3580-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
926-K1-SD-0-0.5-081224

Quant Time: Aug 21 03:35:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

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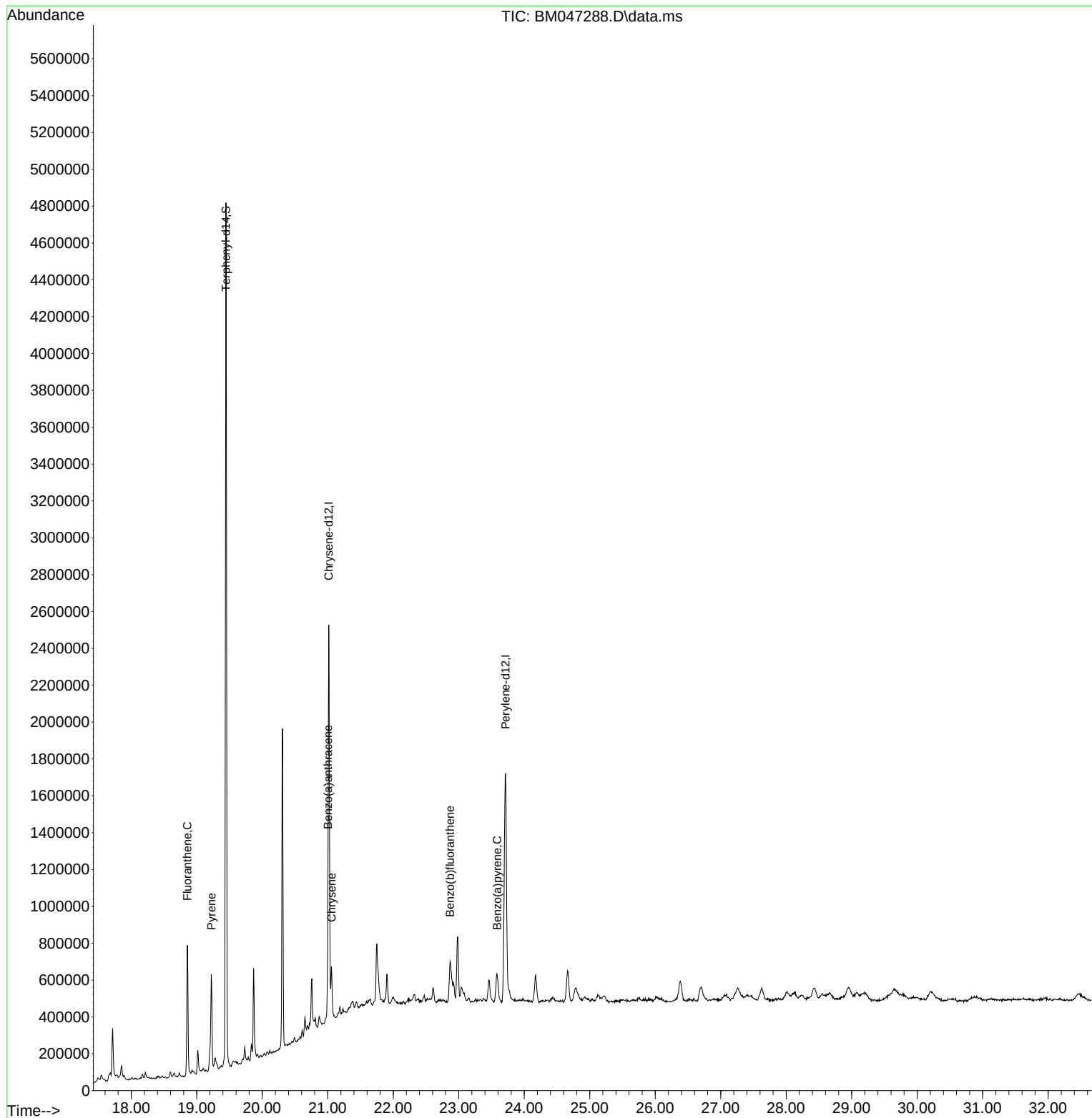
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082024\
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Acq On : 21 Aug 2024 02:52
Operator : RC/JU
Sample : P3580-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

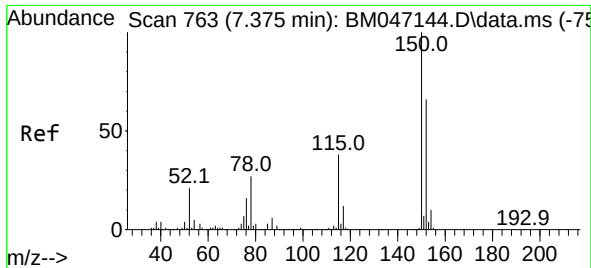
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ClientSampleId :
926-K1-SD-0-0.5-081224

Quant Time: Aug 21 03:35:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

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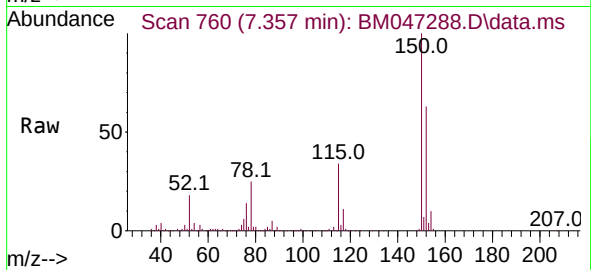
Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.357 min Scan# 70
Delta R.T. -0.018 min
Lab File: BM047288.D
Acq: 21 Aug 2024 02:52

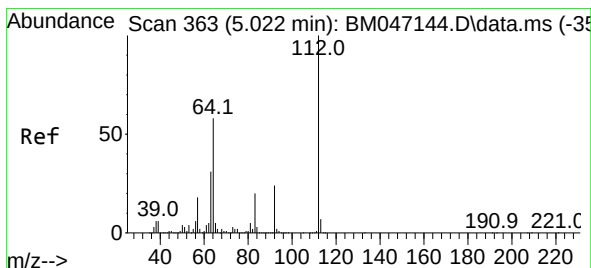
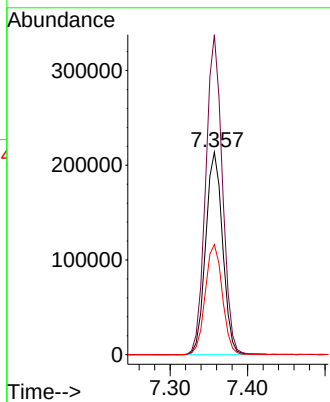
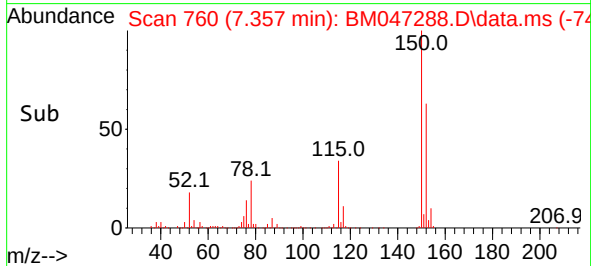
Instrument :
BNA_M
ClientSampleId :
926-K1-SD-0-0.5-081224



Tgt Ion:152 Resp: 325100
Ion Ratio Lower Upper
152 100
150 158.0 120.5 180.7
115 54.5 45.5 68.3

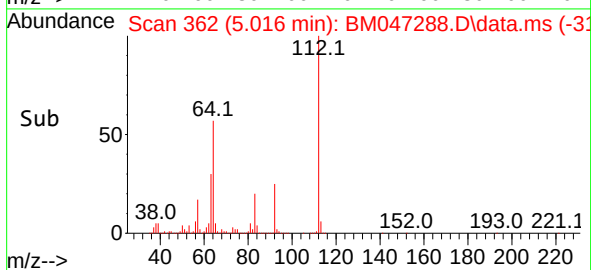
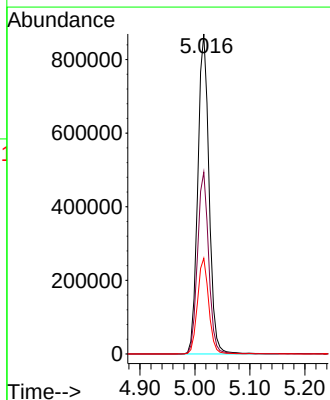
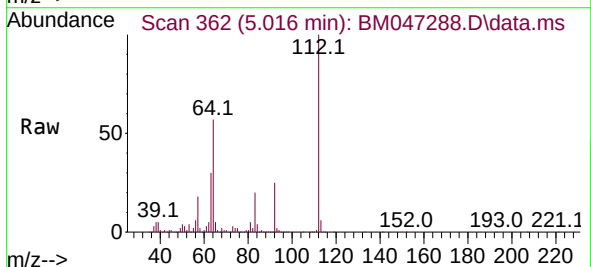
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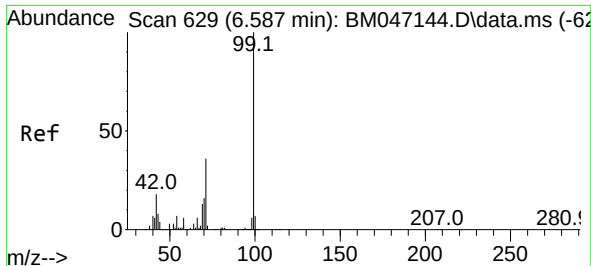
Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#5
2-Fluorophenol
Concen: 68.071 ng
RT: 5.016 min Scan# 362
Delta R.T. -0.006 min
Lab File: BM047288.D
Acq: 21 Aug 2024 02:52

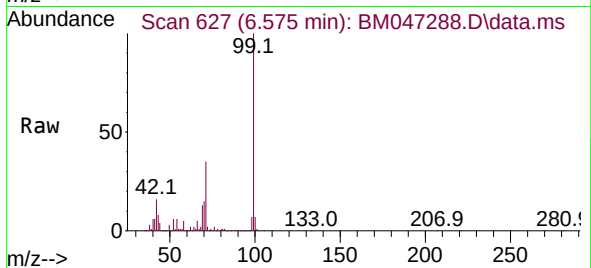
Tgt Ion:112 Resp: 1238497
Ion Ratio Lower Upper
112 100
64 56.8 46.7 70.1
63 29.9 24.8 37.2





#7
Phenol-d6
Concen: 62.271 ng
RT: 6.575 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM047288.D
Acq: 21 Aug 2024 02:52

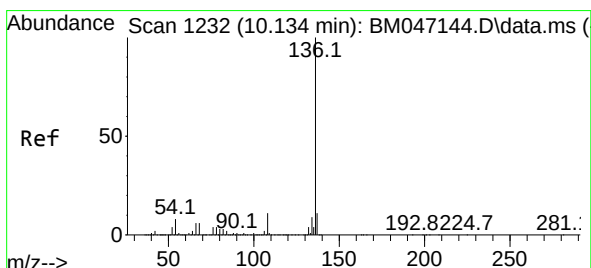
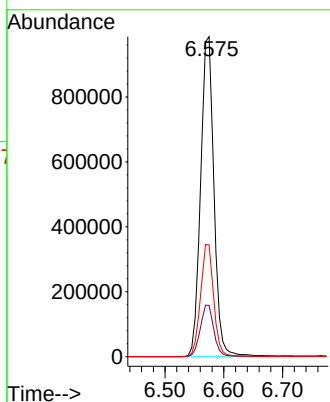
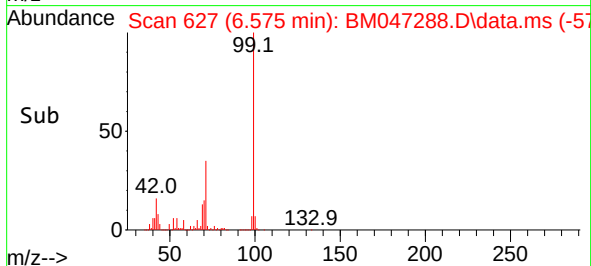
Instrument :
BNA_M
ClientSampleId :
926-K1-SD-0-0.5-081224



Tgt Ion: 99 Resp: 156112
Ion Ratio Lower Upper
99 100
42 16.0 14.1 21.1
71 35.0 28.5 42.7

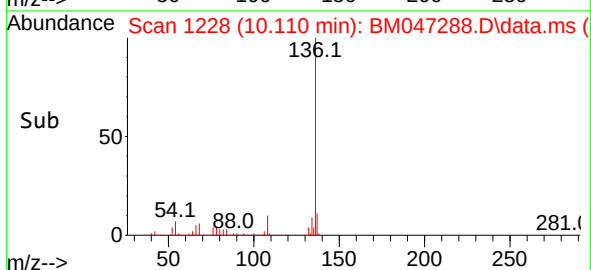
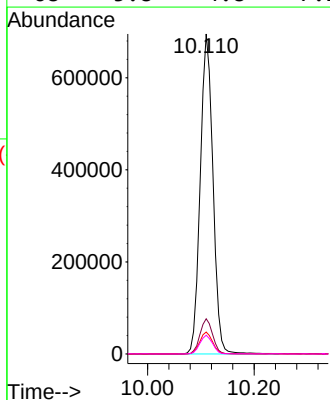
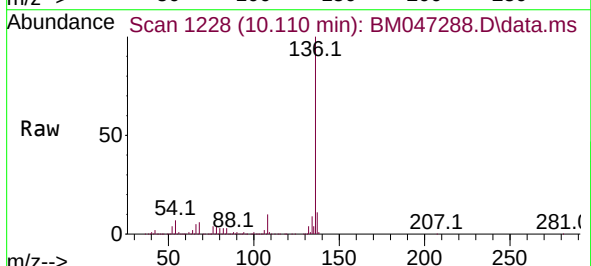
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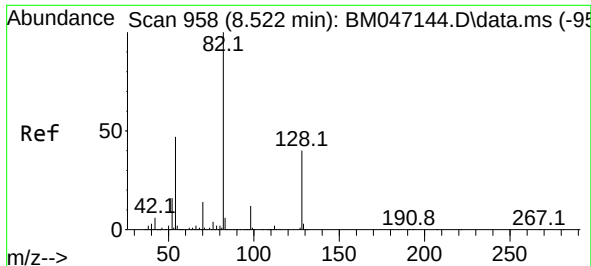
Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.110 min Scan# 1228
Delta R.T. -0.024 min
Lab File: BM047288.D
Acq: 21 Aug 2024 02:52

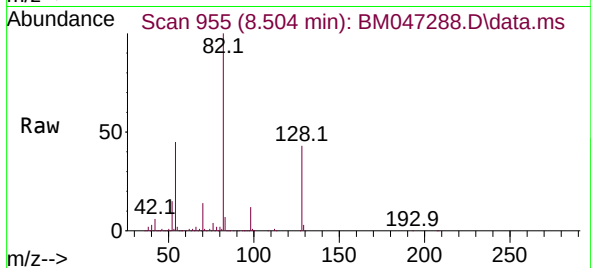
Tgt Ion:136 Resp: 1151138
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 6.9 6.0 9.0
68 5.8 4.8 7.2





#23
Nitrobenzene-d5
Concen: 45.523 ng
RT: 8.504 min Scan# 91
Delta R.T. -0.018 min
Lab File: BM047288.D
Acq: 21 Aug 2024 02:52

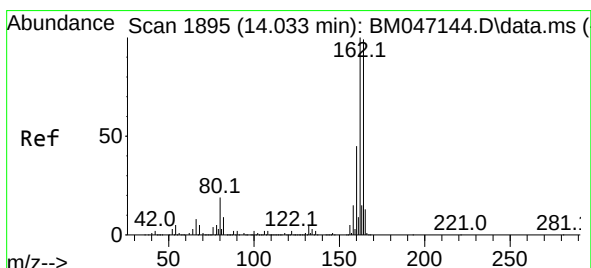
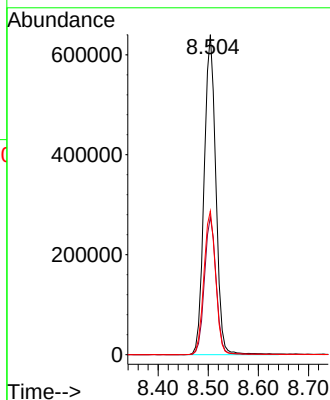
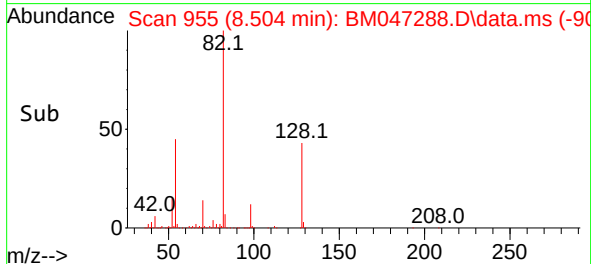
Instrument :
BNA_M
ClientSampleId :
926-K1-SD-0-0.5-081224



Tgt Ion: 82 Resp: 1040718
Ion Ratio Lower Upper
82 100
128 43.0 32.3 48.5
54 44.9 37.4 56.2

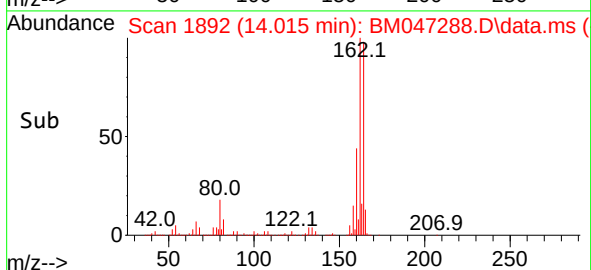
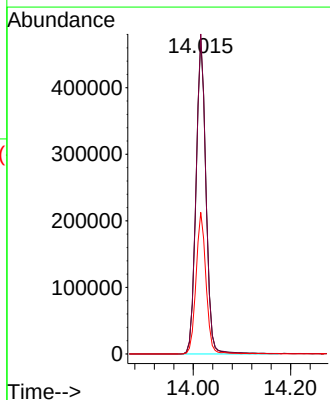
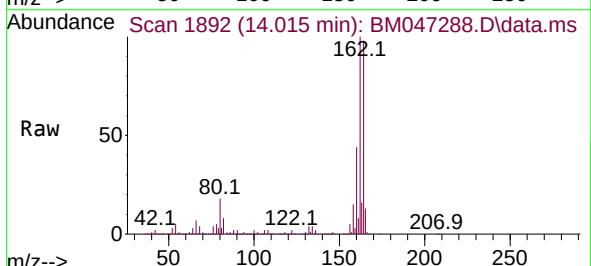
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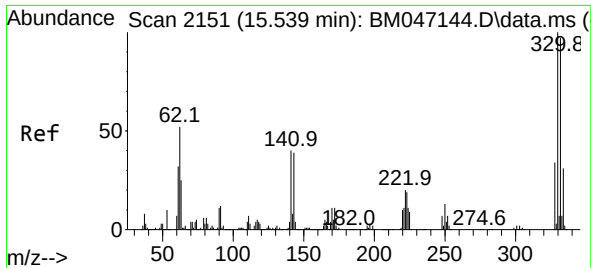
Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.015 min Scan# 1892
Delta R.T. -0.018 min
Lab File: BM047288.D
Acq: 21 Aug 2024 02:52

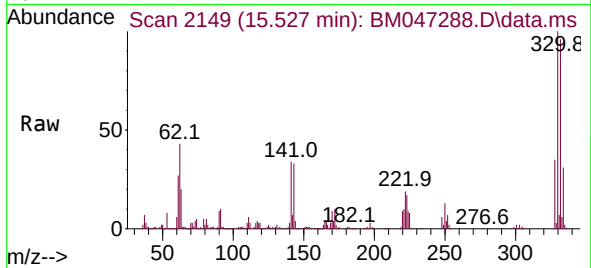
Tgt Ion:164 Resp: 676260
Ion Ratio Lower Upper
164 100
162 102.1 80.7 121.1
160 45.1 36.0 54.0





#42
2,4,6-Tribromophenol
Concen: 68.300 ng
RT: 15.527 min Scan# 2151
Delta R.T. -0.012 min
Lab File: BM047288.D
Acq: 21 Aug 2024 02:52

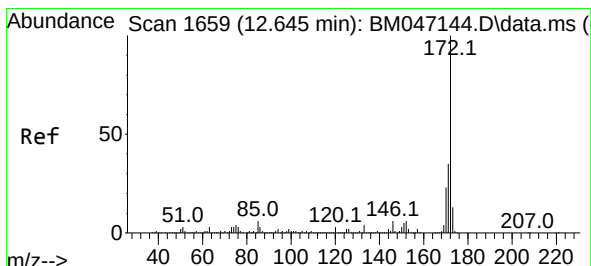
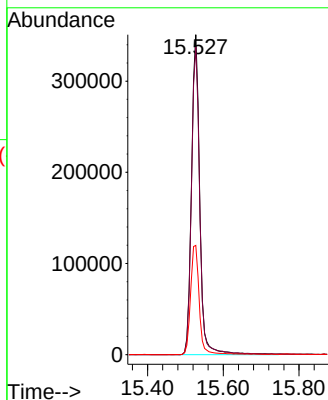
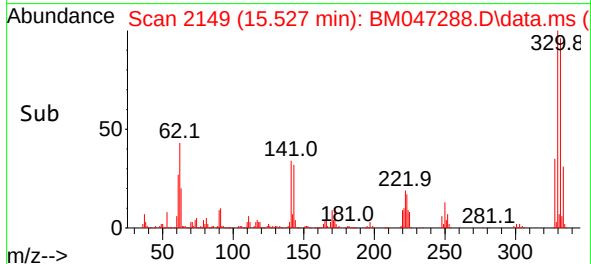
Instrument :
BNA_M
ClientSampleId :
926-K1-SD-0-0.5-081224



Tgt Ion:330 Resp: 53556
Ion Ratio Lower Upper
330 100
332 96.7 77.4 116.2
141 36.1 31.6 47.4

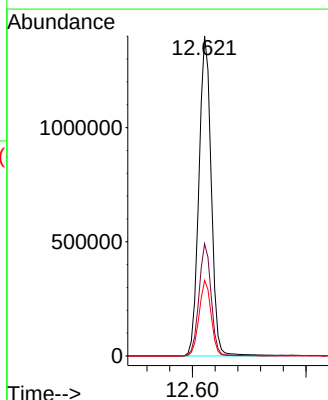
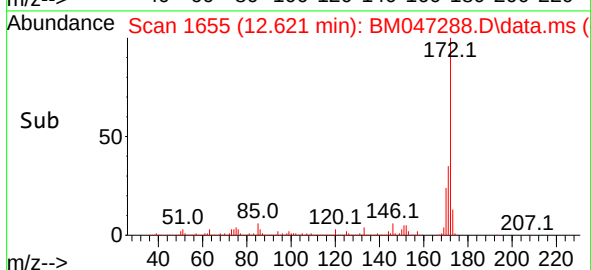
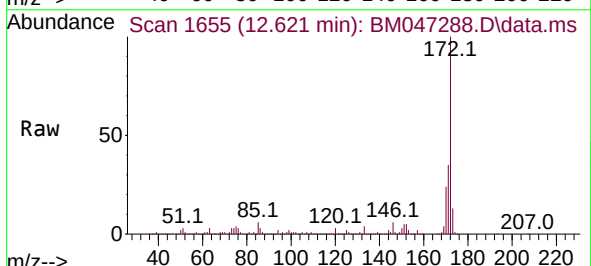
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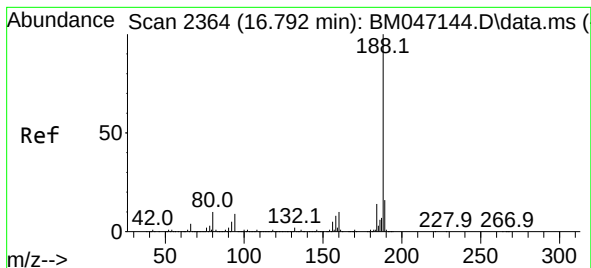
Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#45
2-Fluorobiphenyl
Concen: 48.182 ng
RT: 12.621 min Scan# 1655
Delta R.T. -0.024 min
Lab File: BM047288.D
Acq: 21 Aug 2024 02:52

Tgt Ion:172 Resp: 2112334
Ion Ratio Lower Upper
172 100
171 35.1 27.8 41.6
170 23.6 18.7 28.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.780 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM047288.D

Acq: 21 Aug 2024 02:52

Instrument :

BNA_M

ClientSampleId :

926-K1-SD-0-0.5-081224

Tgt Ion:188 Resp: 123345

Ion Ratio Lower Upper

188 100

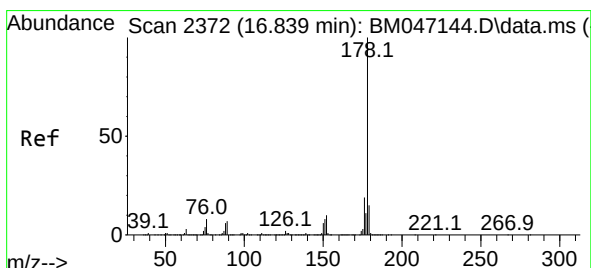
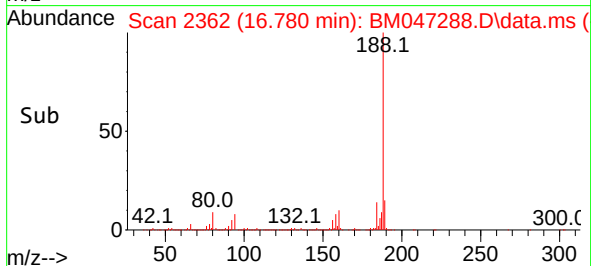
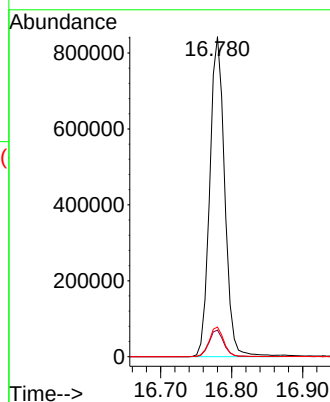
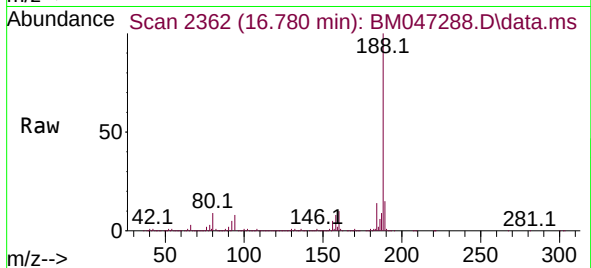
94 8.3 7.0 10.6

80 9.2 8.0 12.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#71

Phenanthrene

Concen: 3.547 ng

RT: 16.821 min Scan# 2369

Delta R.T. -0.018 min

Lab File: BM047288.D

Acq: 21 Aug 2024 02:52

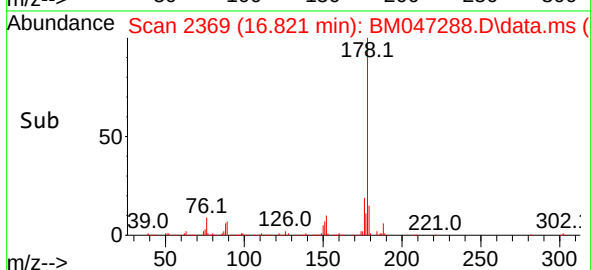
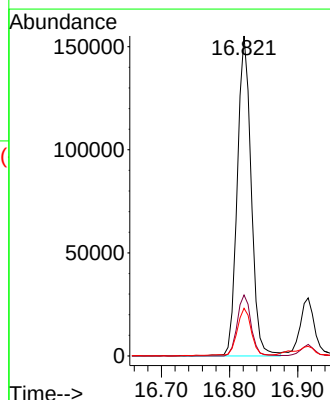
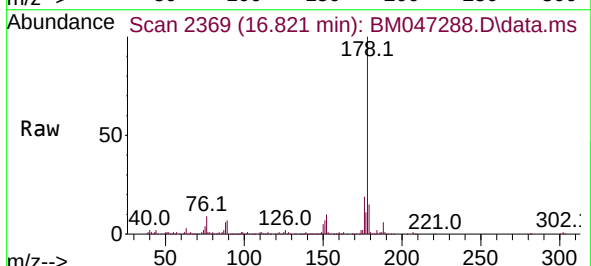
Tgt Ion:178 Resp: 219566

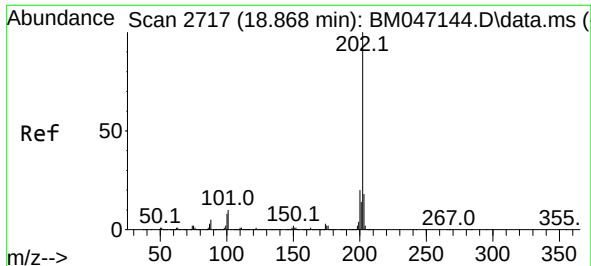
Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

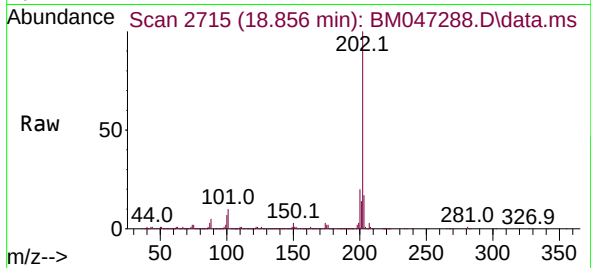
179 14.9 12.4 18.6





#75
Fluoranthene
Concen: 5.491 ng
RT: 18.856 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM047288.D
Acq: 21 Aug 2024 02:52

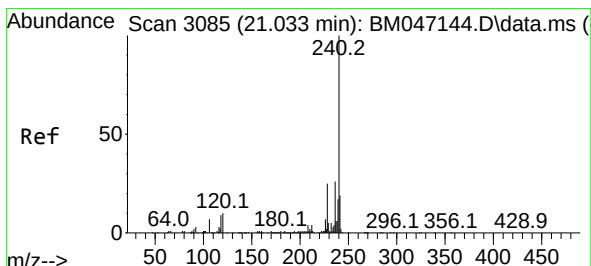
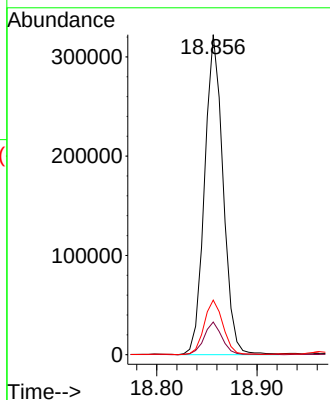
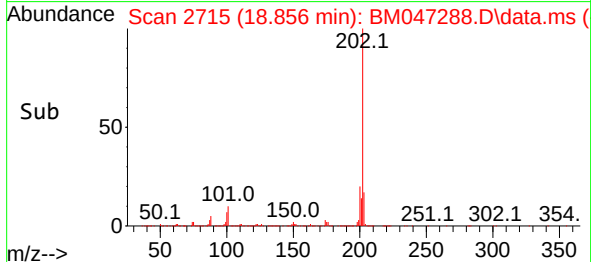
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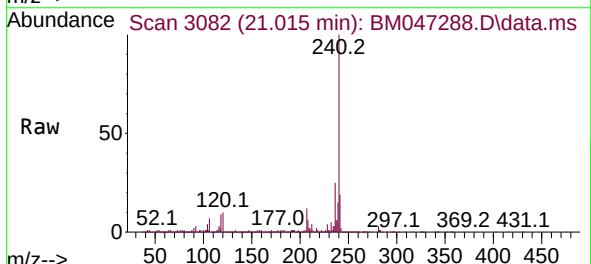
Tgt Ion:202 Resp: 413414
Ion Ratio Lower Upper
202 100
101 10.2 0.0 30.2
203 17.1 0.0 37.6

Manual Integrations
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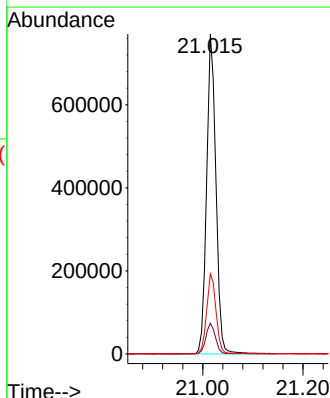
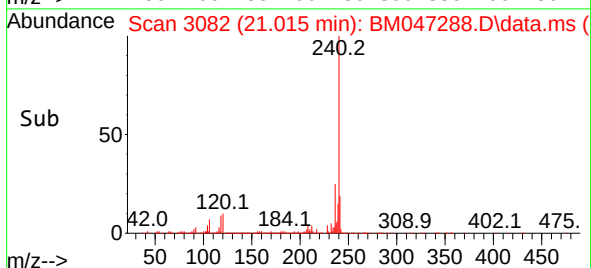
Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

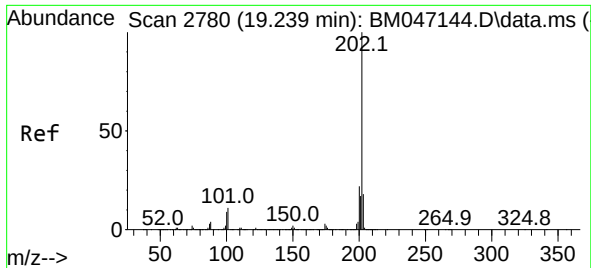


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.015 min Scan# 3082
Delta R.T. -0.018 min
Lab File: BM047288.D
Acq: 21 Aug 2024 02:52



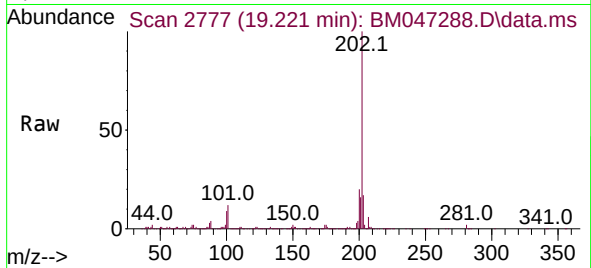
Tgt Ion:240 Resp: 998917
Ion Ratio Lower Upper
240 100
120 9.6 8.2 12.2
236 25.1 20.6 30.8





#78
 Pyrene
 Concen: 4.624 ng
 RT: 19.221 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BM047288.D
 Acq: 21 Aug 2024 02:52

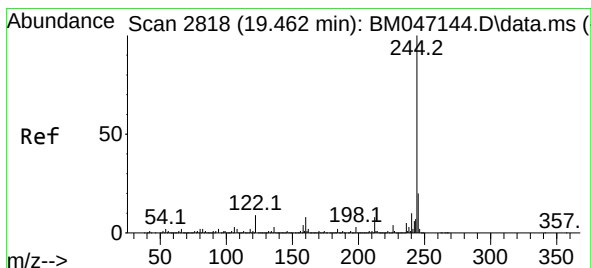
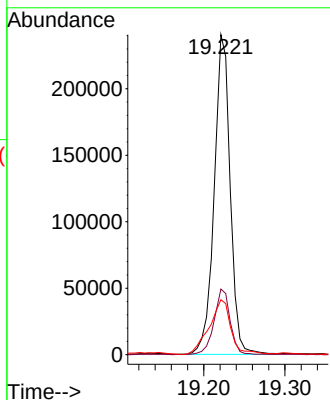
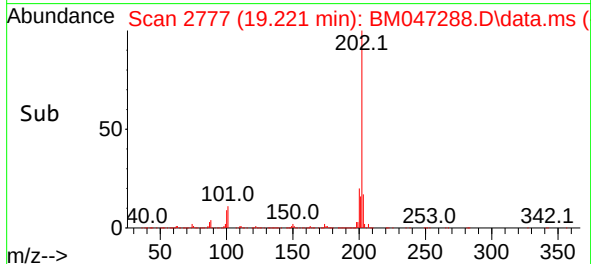
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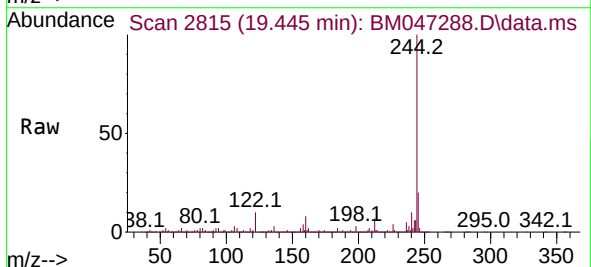
Tgt Ion:202 Resp: 329794
 Ion Ratio Lower Upper
 202 100
 200 20.5 17.2 25.8
 203 17.2 14.2 21.2

Manual Integrations
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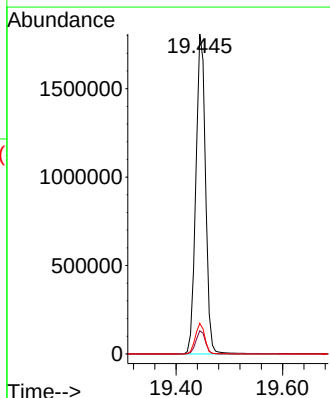
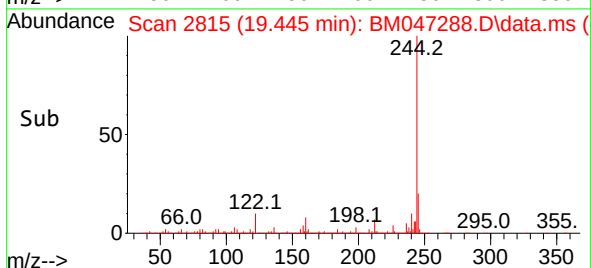
Reviewed By :Jagrut Upadhyay 08/21/2024
 Supervised By :mohammad ahmed 08/22/2024

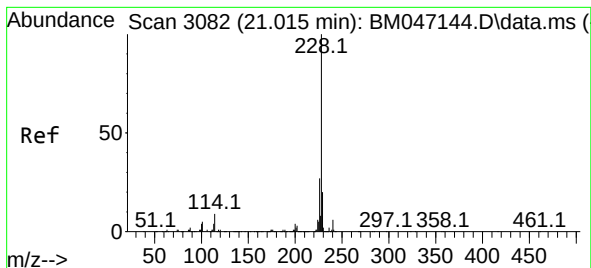


#79
 Terphenyl-d14
 Concen: 48.898 ng
 RT: 19.445 min Scan# 2815
 Delta R.T. -0.018 min
 Lab File: BM047288.D
 Acq: 21 Aug 2024 02:52



Tgt Ion:244 Resp: 2279531
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.2 9.4
 122 9.6 7.1 10.7





#81

Benzo(a)anthracene

Concen: 2.202 ng

RT: 21.003 min Scan# 3082

Delta R.T. -0.012 min

Lab File: BM047288.D

Acq: 21 Aug 2024 02:52

Instrument :

BNA_M

ClientSampleId :

926-K1-SD-0-0.5-081224

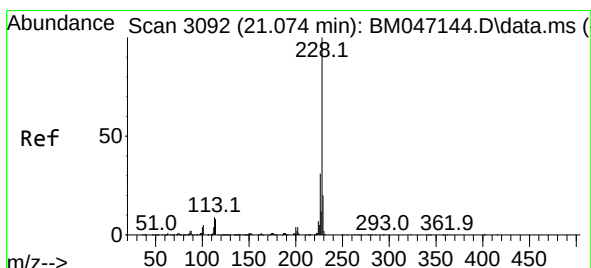
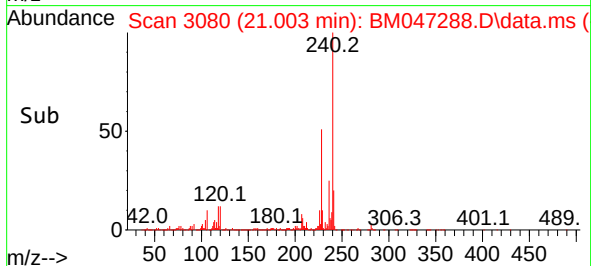
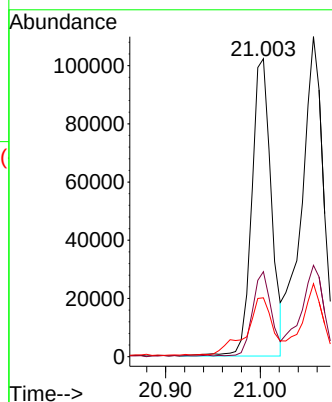
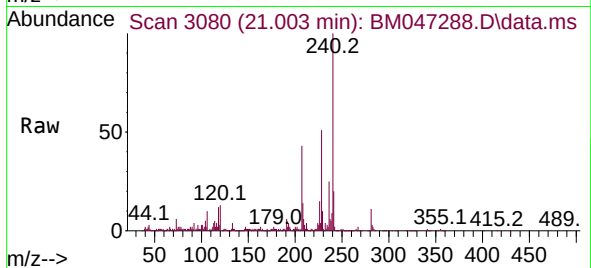
Tgt Ion:228 Resp: 14603

Ion	Ratio	Lower	Upper
228	100		
226	28.5	21.8	32.6
229	19.8	15.8	23.8

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#83

Chrysene

Concen: 2.825 ng m

RT: 21.056 min Scan# 3089

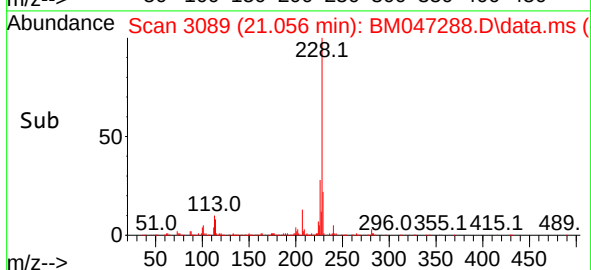
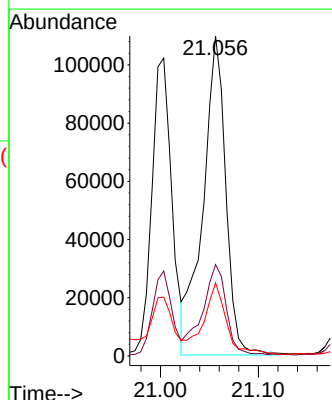
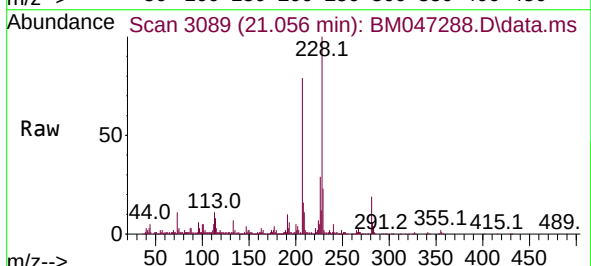
Delta R.T. -0.018 min

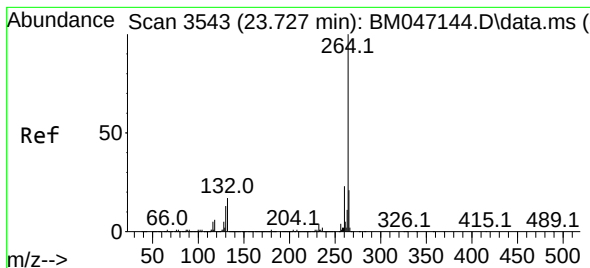
Lab File: BM047288.D

Acq: 21 Aug 2024 02:52

Tgt Ion:228 Resp: 177732

Ion	Ratio	Lower	Upper
228	100		
226	28.5	24.4	36.6
229	22.8	15.7	23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.715 min Scan# 3

Delta R.T. -0.012 min

Lab File: BM047288.D

Acq: 21 Aug 2024 02:52

Instrument :

BNA_M

ClientSampleId :

926-K1-SD-0-0.5-081224

Tgt Ion:264 Resp: 1183450

Ion Ratio Lower Upper

264 100

260 23.3 18.5 27.7

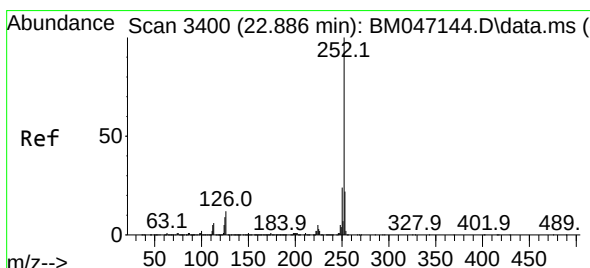
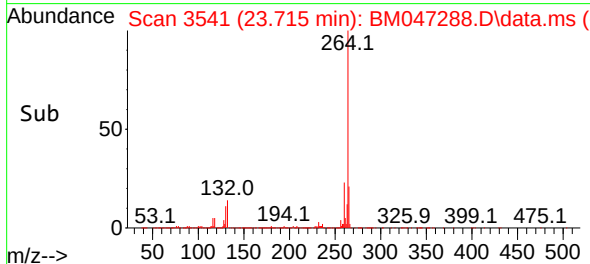
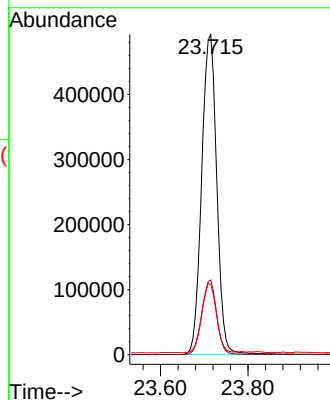
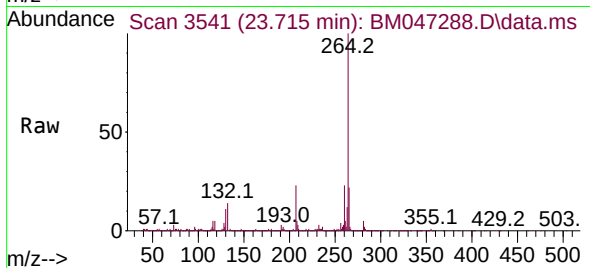
265 22.0 17.3 25.9

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#88

Benzo(b)fluoranthene

Concen: 3.305 ng

RT: 22.868 min Scan# 3397

Delta R.T. -0.018 min

Lab File: BM047288.D

Acq: 21 Aug 2024 02:52

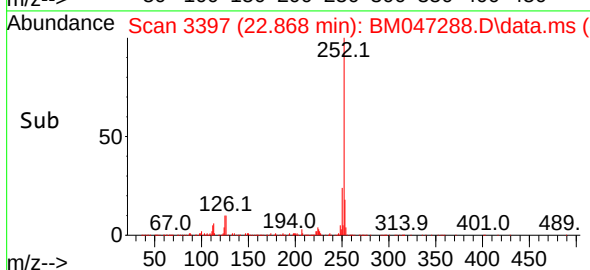
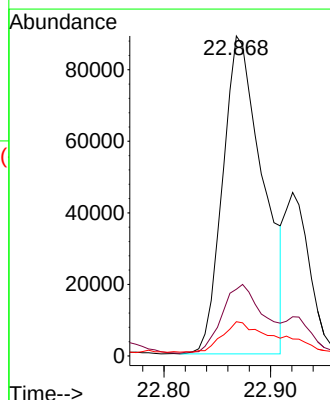
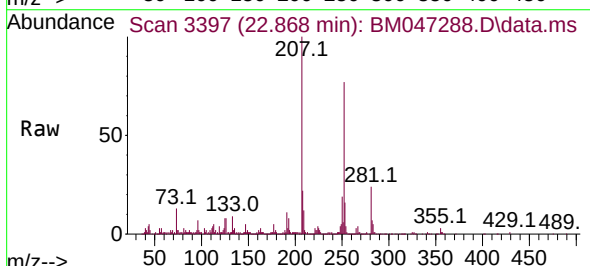
Tgt Ion:252 Resp: 232248

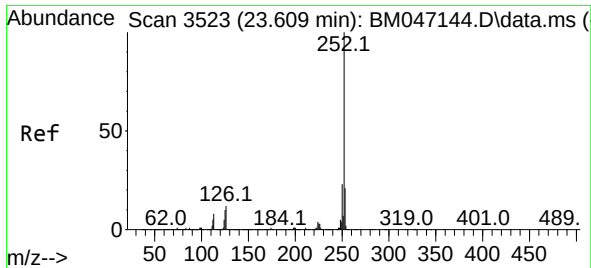
Ion Ratio Lower Upper

252 100

253 20.8 17.8 26.6

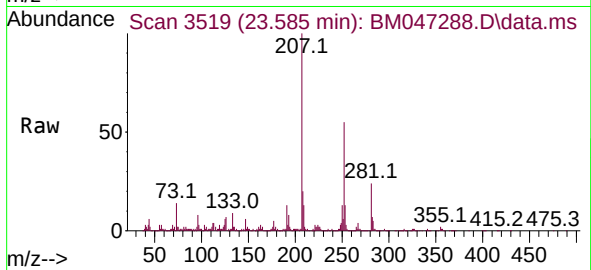
125 10.7 7.4 11.0





#90
Benzo(a)pyrene
Concen: 2.310 ng
RT: 23.585 min Scan# 31
Delta R.T. -0.024 min
Lab File: BM047288.D
Acq: 21 Aug 2024 02:52

Instrument :
BNA_M
ClientSampleId :
926-K1-SD-0-0.5-081224



Tgt Ion:252 Resp: 140618
Ion Ratio Lower Upper
252 100
253 23.0 17.1 25.7
125 10.2 8.2 12.2

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Supervised By :mohammad ahmed 08/22/2024

