

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081524\
 Data File : BM047223.D
 Acq On : 15 Aug 2024 20:13
 Operator : RC/JU
 Sample : P3518-11
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OU4-TS-06-080724

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/16/2024
 Supervised By :mohammad ahmed 08/16/2024

Quant Time: Aug 16 01:20:15 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	7.369	152	315474	20.000	ng	0.00
21) Naphthalene-d8	10.122	136	1093111	20.000	ng	-0.01
39) Acenaphthene-d10	14.022	164	616842	20.000	ng	-0.01
64) Phenanthrene-d10	16.786	188	1184560	20.000	ng	0.00
76) Chrysene-d12	21.027	240	1015579	20.000	ng	0.00
86) Perylene-d12	23.721	264	1160901	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.022	112	1550180	87.802	ng	0.00
7) Phenol-d6	6.581	99	1972338	81.074	ng	0.00
23) Nitrobenzene-d5	8.510	82	1283246	59.112	ng	-0.01
42) 2,4,6-Tribromophenol	15.533	330	611466	85.491	ng	0.00
45) 2-Fluorobiphenyl	12.633	172	2004686	50.131	ng	-0.01
79) Terphenyl-d14	19.456	244	2359599	49.785	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	16.827	178	132361	2.226	ng	99
75) Fluoranthene	18.862	202	341812	4.727	ng	99
78) Pyrene	19.227	202	328784	4.534	ng	99
81) Benzo(a)anthracene	21.009	228	173053	2.567	ng	94
83) Chrysene	21.062	228	191656m	2.996	ng	
88) Benzo(b)fluoranthene	22.880	252	261974	3.800	ng	# 95
90) Benzo(a)pyrene	23.591	252	174638	2.924	ng	# 92
92) Benzo(g,h,i)perylene	27.644	276	138788	2.201	ng	93

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

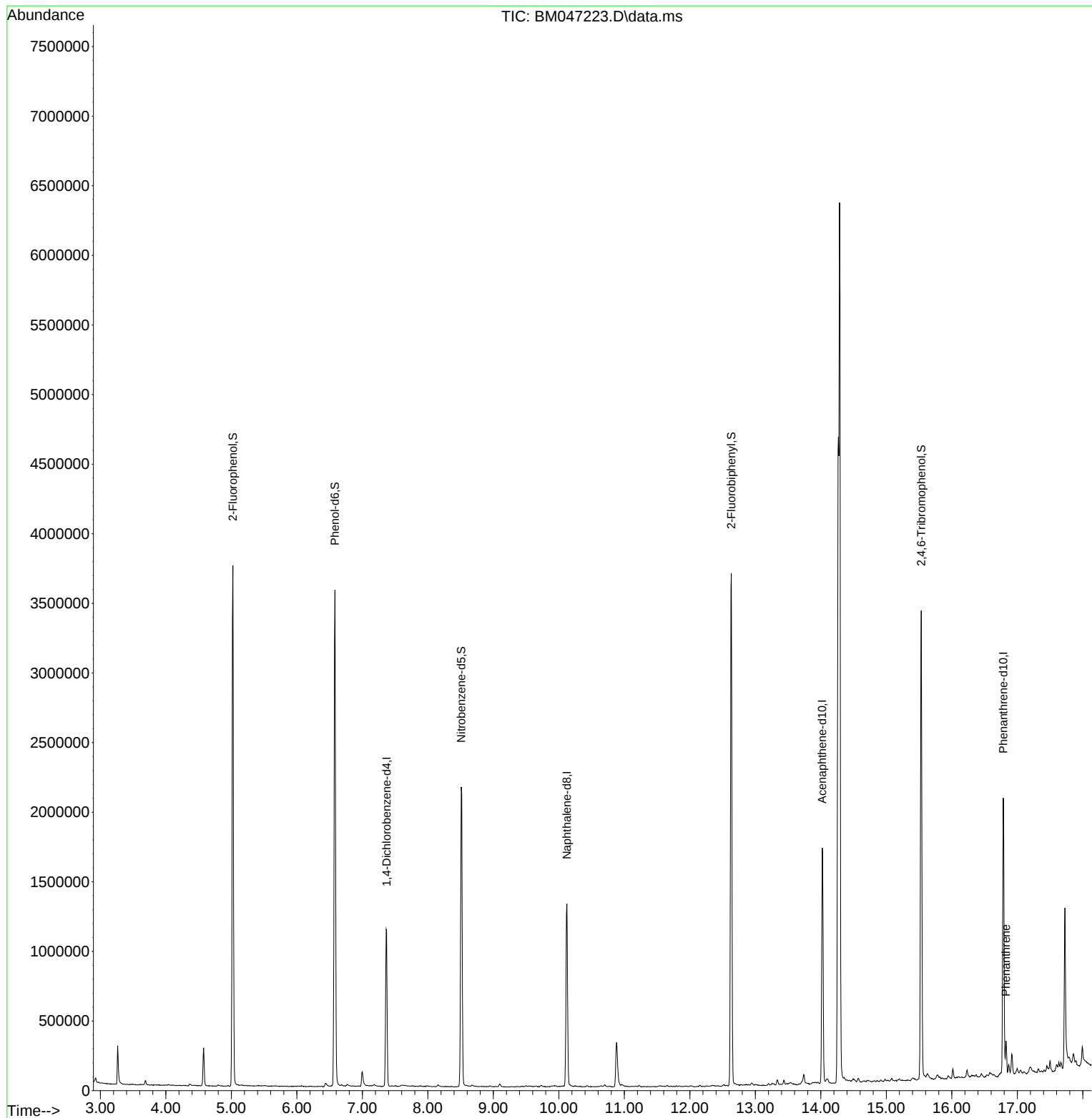
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081524\
Data File : BM047223.D
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ClientSampleId :
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Quant Time: Aug 16 01:20:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant 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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Supervised By :mohammad ahmed 08/16/2024



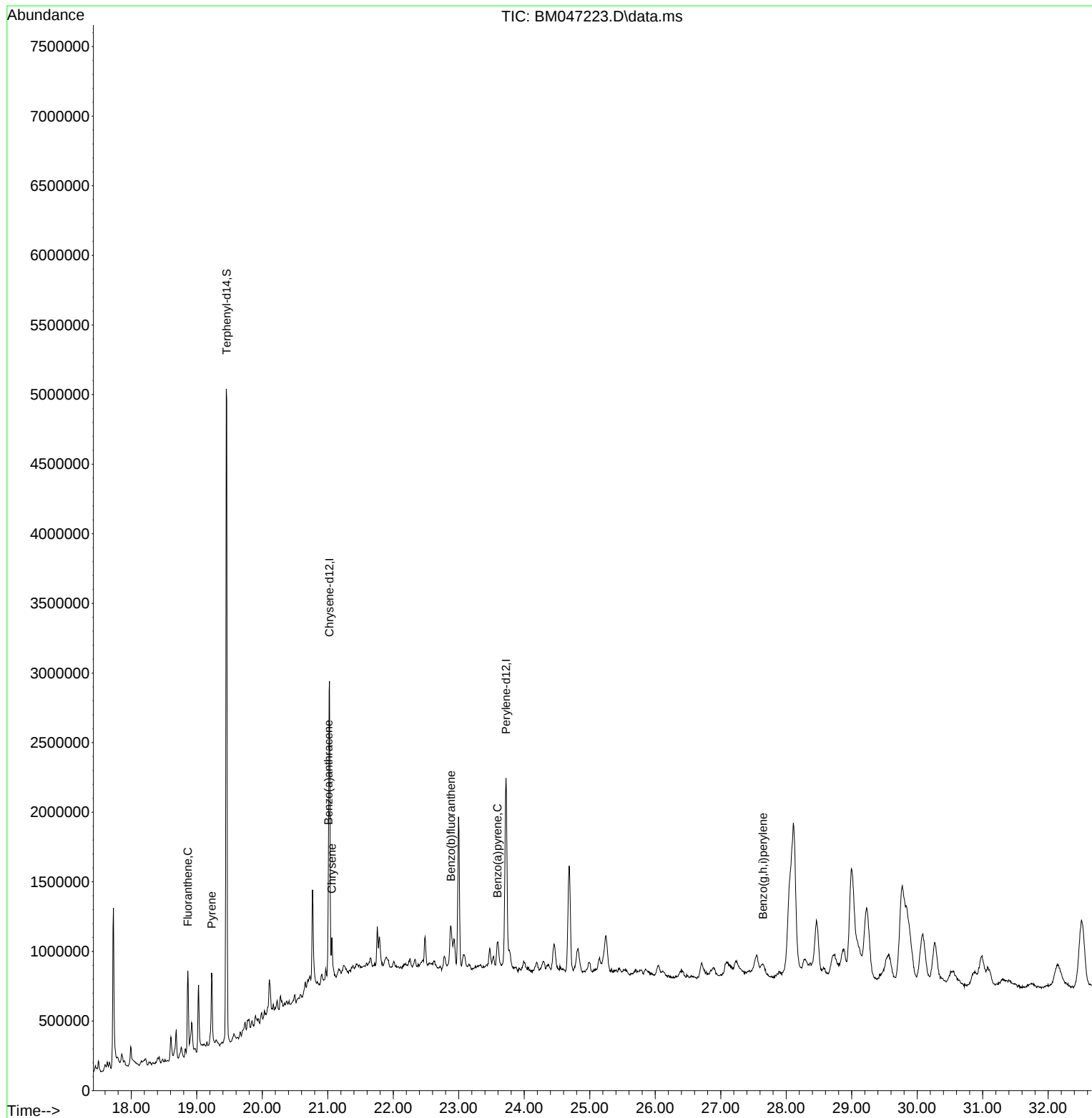
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081524\
Data File : BM047223.D
Acq On : 15 Aug 2024 20:13
Operator : RC/JU
Sample : P3518-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

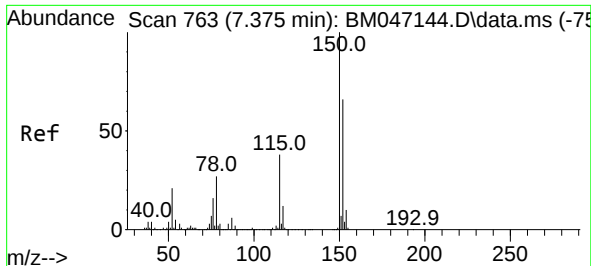
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BNA_M
ClientSampleId :
OU4-TS-06-080724

Quant Time: Aug 16 01:20:15 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
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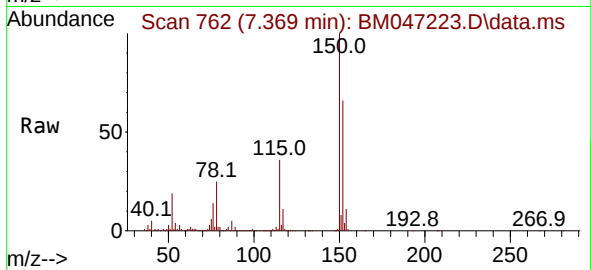
Reviewed By :Yogesh Patel 08/16/2024
Supervised By :mohammad ahmed 08/16/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.369 min Scan# 70
Delta R.T. -0.006 min
Lab File: BM047223.D
Acq: 15 Aug 2024 20:13

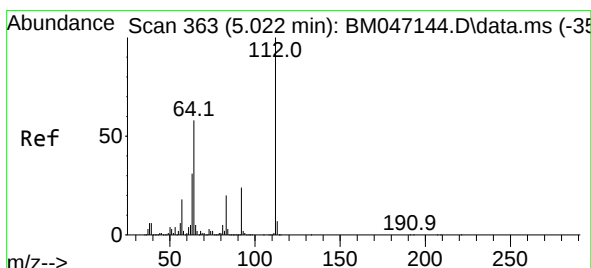
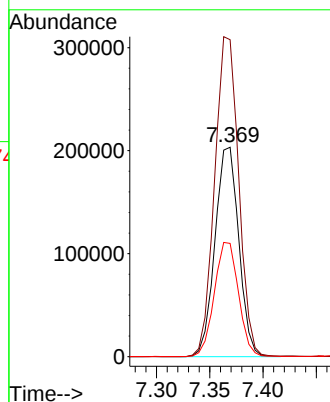
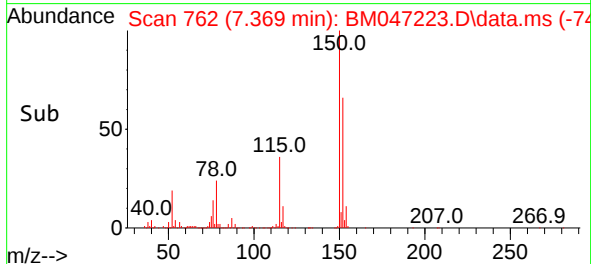
Instrument :
BNA_M
ClientSampleId :
OU4-TS-06-080724



Tgt Ion:152 Resp: 315474
Ion Ratio Lower Upper
152 100
150 151.4 120.5 180.7
115 54.1 45.5 68.3

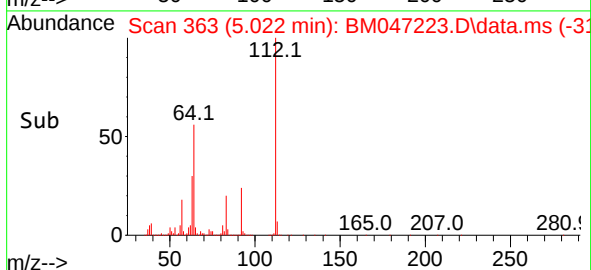
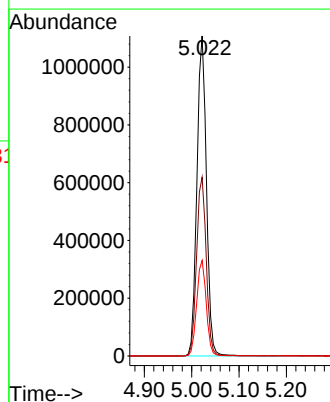
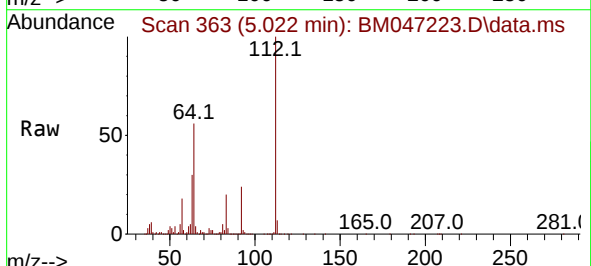
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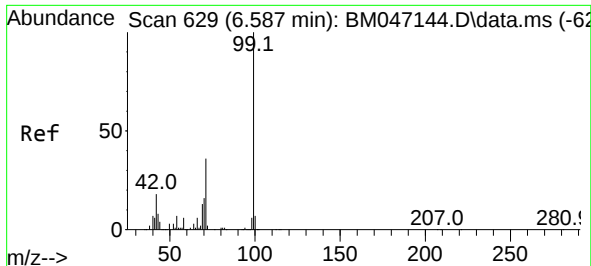
Reviewed By :Yogesh Patel 08/16/2024
Supervised By :mohammad ahmed 08/16/2024



#5
2-Fluorophenol
Concen: 87.802 ng
RT: 5.022 min Scan# 363
Delta R.T. -0.000 min
Lab File: BM047223.D
Acq: 15 Aug 2024 20:13

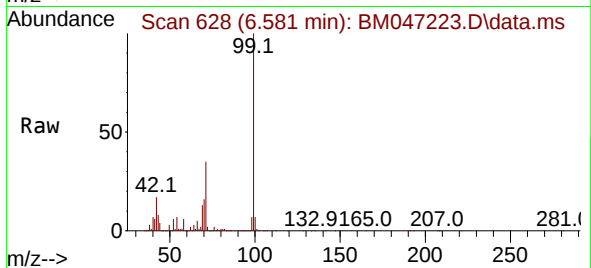
Tgt Ion:112 Resp: 1550180
Ion Ratio Lower Upper
112 100
64 55.8 46.7 70.1
63 29.8 24.8 37.2





#7
Phenol-d6
Concen: 81.074 ng
RT: 6.581 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM047223.D
Acq: 15 Aug 2024 20:13

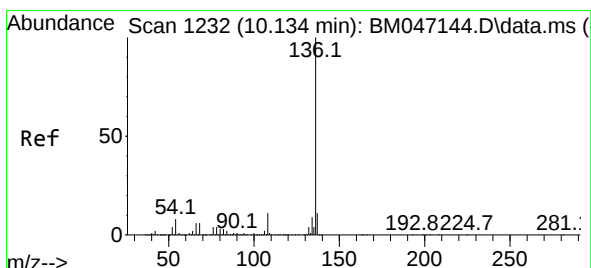
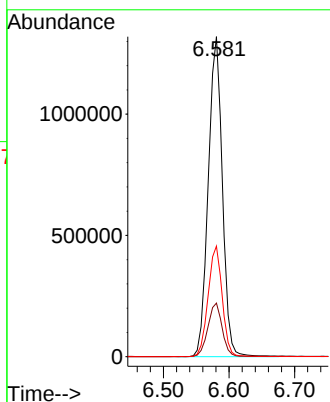
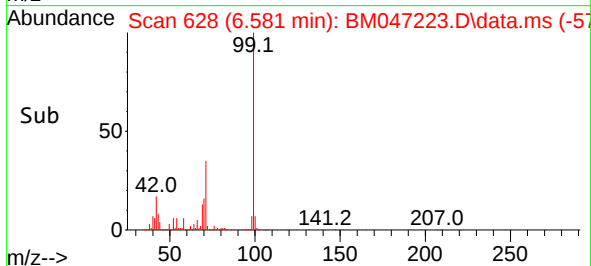
Instrument :
BNA_M
ClientSampleId :
OU4-TS-06-080724



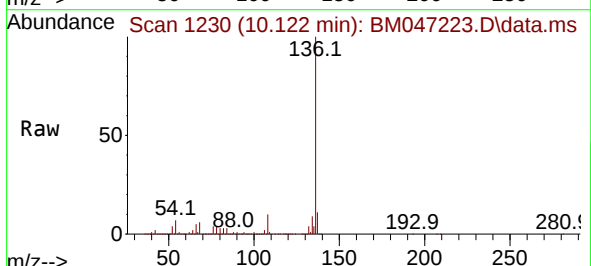
Tgt Ion: 99 Resp: 1972338
Ion Ratio Lower Upper
99 100
42 16.7 14.1 21.1
71 34.6 28.5 42.7

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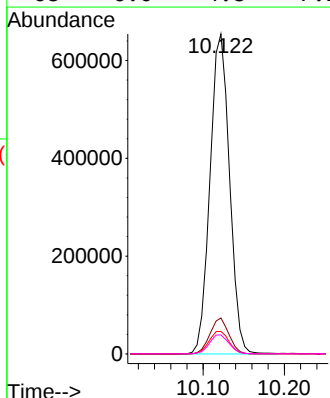
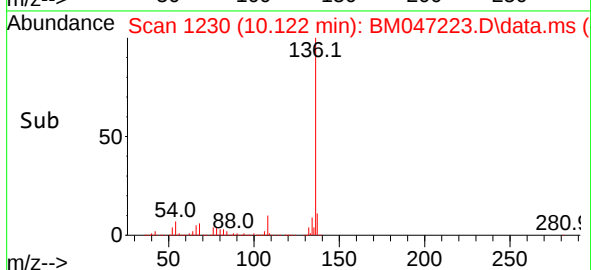
Reviewed By :Yogesh Patel 08/16/2024
Supervised By :mohammad ahmed 08/16/2024

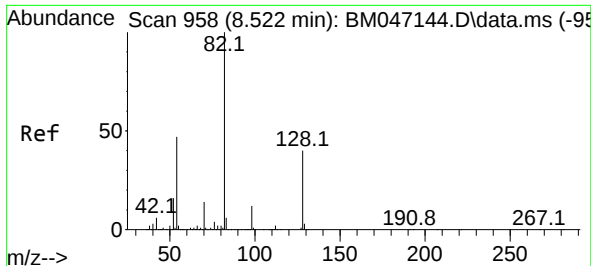


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.122 min Scan# 1230
Delta R.T. -0.012 min
Lab File: BM047223.D
Acq: 15 Aug 2024 20:13



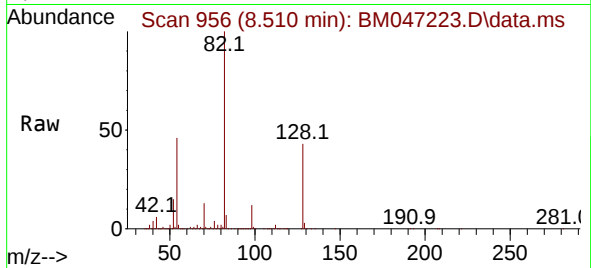
Tgt Ion:136 Resp: 1093111
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 7.1 6.0 9.0
68 6.0 4.8 7.2





#23
Nitrobenzene-d5
Concen: 59.112 ng
RT: 8.510 min Scan# 91
Delta R.T. -0.012 min
Lab File: BM047223.D
Acq: 15 Aug 2024 20:13

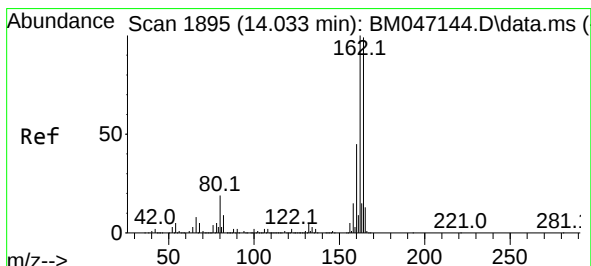
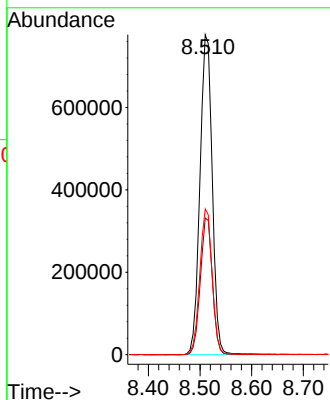
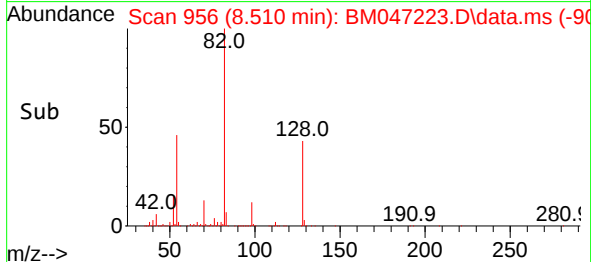
Instrument :
BNA_M
ClientSampleId :
OU4-TS-06-080724



Tgt Ion: 82 Resp: 1283240
Ion Ratio Lower Upper
82 100
128 42.7 32.3 48.5
54 45.6 37.4 56.2

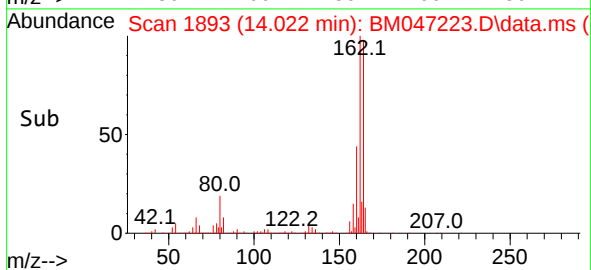
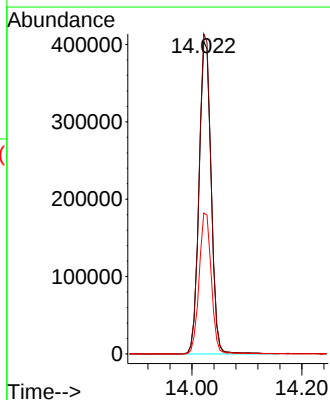
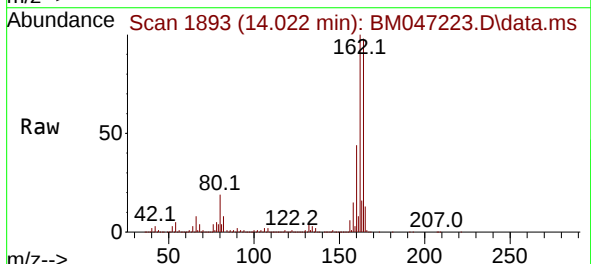
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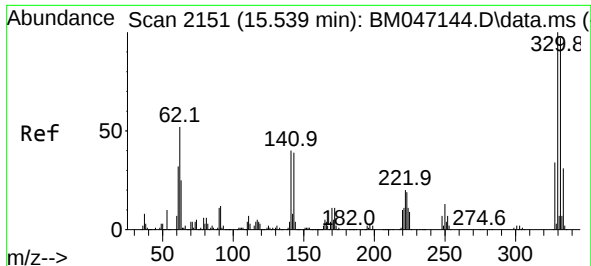
Reviewed By :Yogesh Patel 08/16/2024
Supervised By :mohammad ahmed 08/16/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.022 min Scan# 1893
Delta R.T. -0.012 min
Lab File: BM047223.D
Acq: 15 Aug 2024 20:13

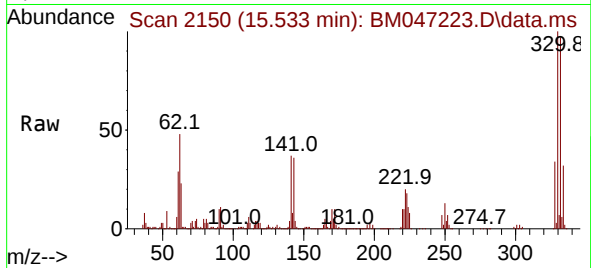
Tgt Ion:164 Resp: 616842
Ion Ratio Lower Upper
164 100
162 102.3 80.7 121.1
160 45.1 36.0 54.0





#42
2,4,6-Tribromophenol
Concen: 85.491 ng
RT: 15.533 min Scan# 2151
Delta R.T. -0.006 min
Lab File: BM047223.D
Acq: 15 Aug 2024 20:13

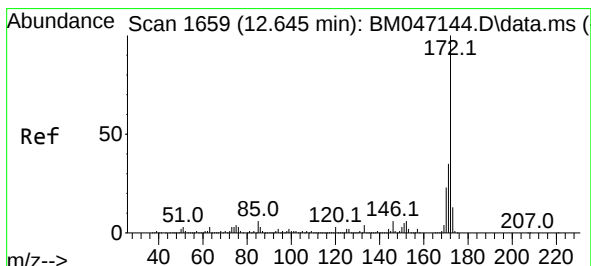
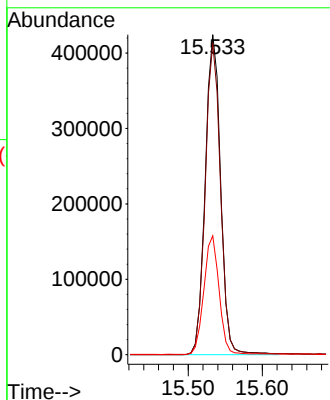
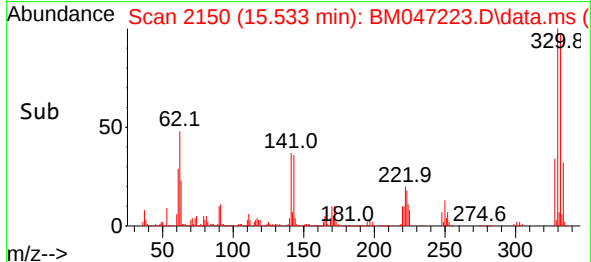
Instrument :
BNA_M
ClientSampleId :
OU4-TS-06-080724



Tgt Ion:330 Resp: 611460
Ion Ratio Lower Upper
330 100
332 96.9 77.4 116.2
141 36.7 31.6 47.4

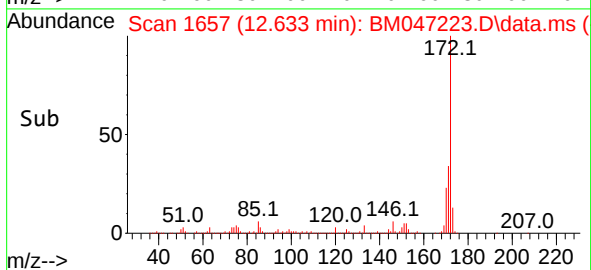
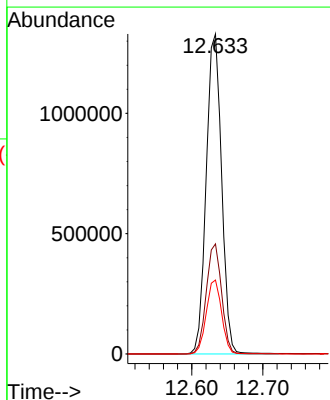
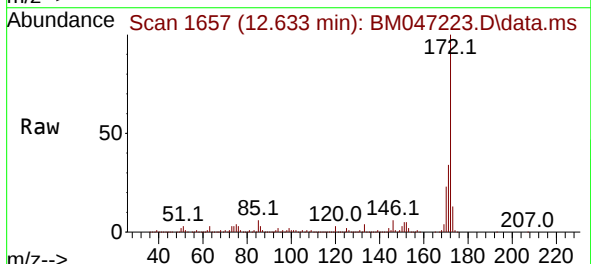
Manual Integrations
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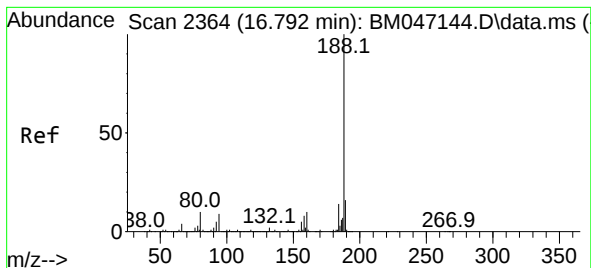
Reviewed By :Yogesh Patel 08/16/2024
Supervised By :mohammad ahmed 08/16/2024



#45
2-Fluorobiphenyl
Concen: 50.131 ng
RT: 12.633 min Scan# 1657
Delta R.T. -0.012 min
Lab File: BM047223.D
Acq: 15 Aug 2024 20:13

Tgt Ion:172 Resp: 2004686
Ion Ratio Lower Upper
172 100
171 34.4 27.8 41.6
170 23.1 18.7 28.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.786 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047223.D

Acq: 15 Aug 2024 20:13

Instrument :

BNA_M

ClientSampleId :

OU4-TS-06-080724

Tgt Ion:188 Resp: 1184560

Ion Ratio Lower Upper

188 100

94 8.7 7.0 10.6

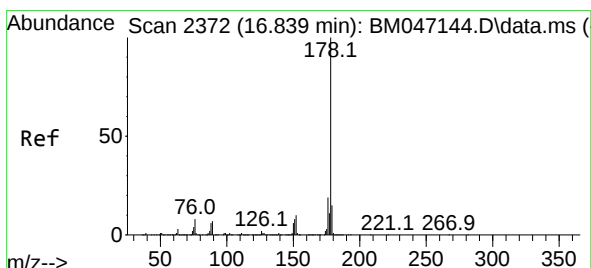
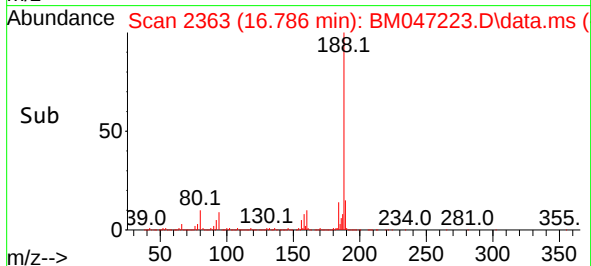
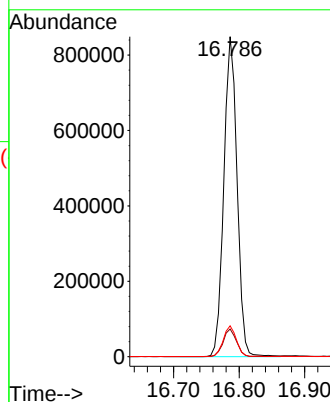
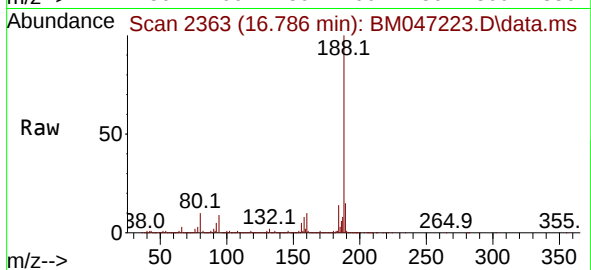
80 9.7 8.0 12.0

Manual Integrations

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Reviewed By :Yogesh Patel 08/16/2024

Supervised By :mohammad ahmed 08/16/2024



#71

Phenanthrene

Concen: 2.226 ng

RT: 16.827 min Scan# 2370

Delta R.T. -0.012 min

Lab File: BM047223.D

Acq: 15 Aug 2024 20:13

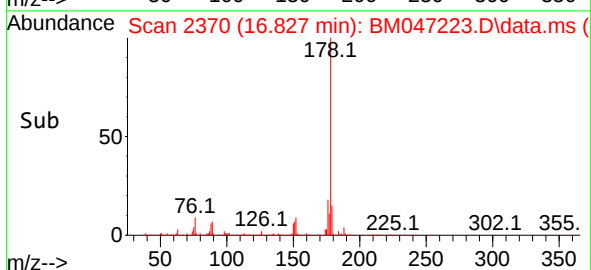
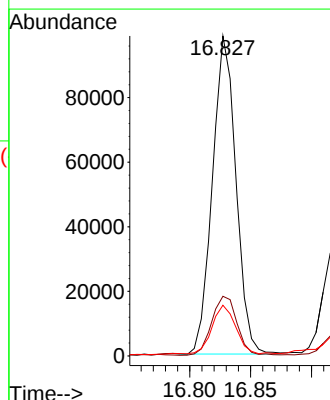
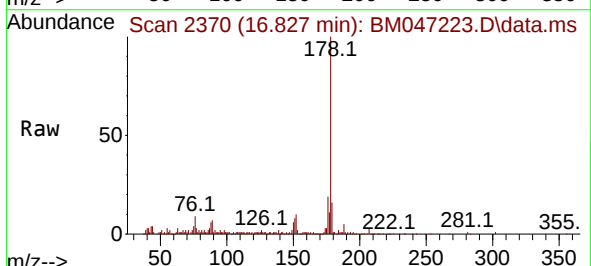
Tgt Ion:178 Resp: 132361

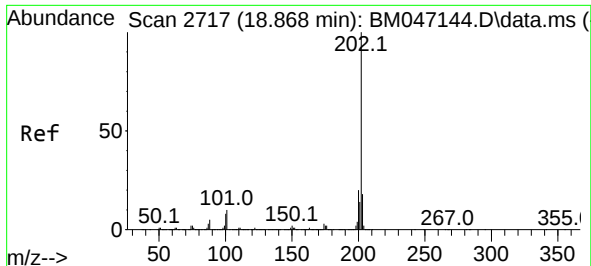
Ion Ratio Lower Upper

178 100

176 18.7 15.3 22.9

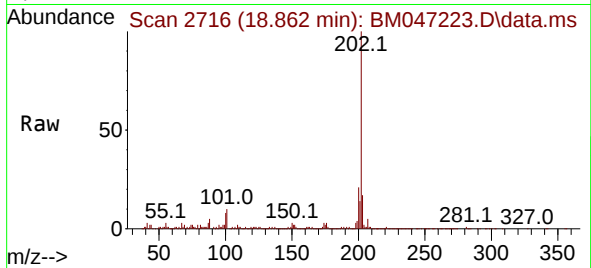
179 15.9 12.4 18.6





#75
Fluoranthene
Concen: 4.727 ng
RT: 18.862 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047223.D
Acq: 15 Aug 2024 20:13

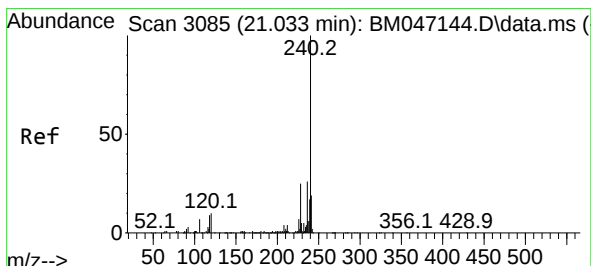
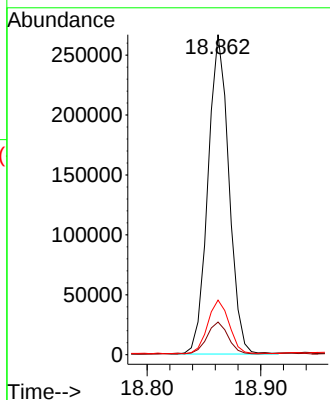
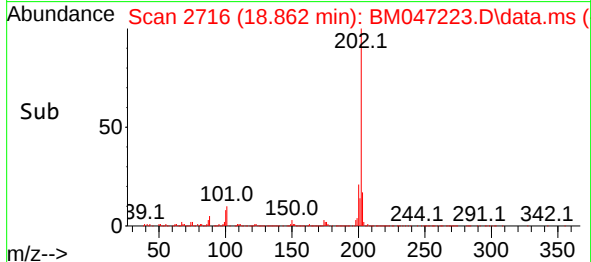
Instrument :
BNA_M
ClientSampleId :
OU4-TS-06-080724



Tgt Ion:202 Resp: 34181
Ion Ratio Lower Upper
202 100
101 10.2 0.0 30.2
203 17.0 0.0 37.6

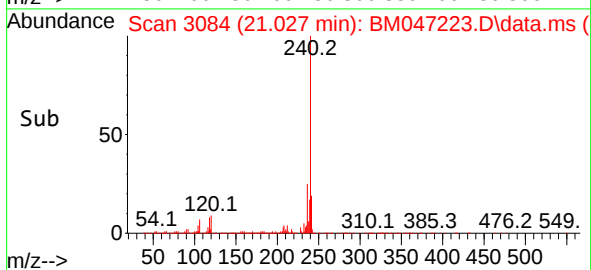
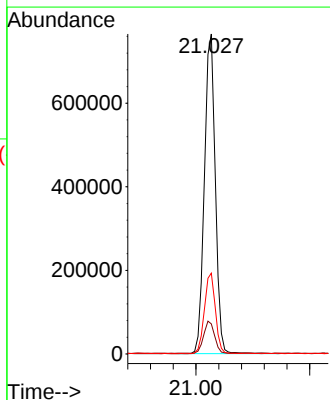
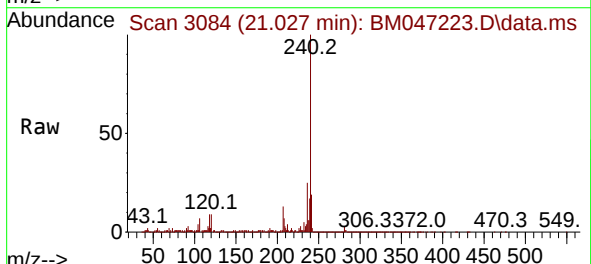
Manual Integrations
APPROVED

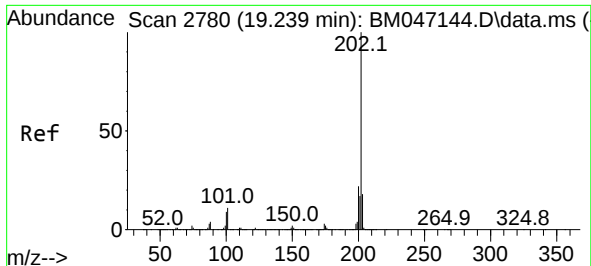
Reviewed By :Yogesh Patel 08/16/2024
Supervised By :mohammad ahmed 08/16/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.027 min Scan# 3084
Delta R.T. -0.006 min
Lab File: BM047223.D
Acq: 15 Aug 2024 20:13

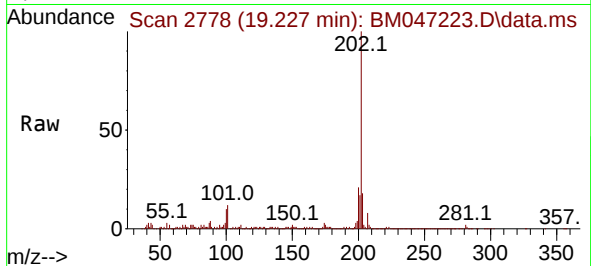
Tgt Ion:240 Resp: 1015579
Ion Ratio Lower Upper
240 100
120 9.4 8.2 12.2
236 25.2 20.6 30.8





#78
Pyrene
Concen: 4.534 ng
RT: 19.227 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM047223.D
Acq: 15 Aug 2024 20:13

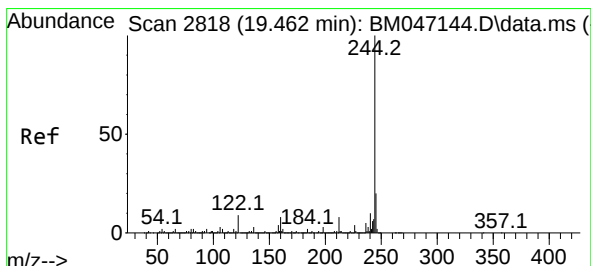
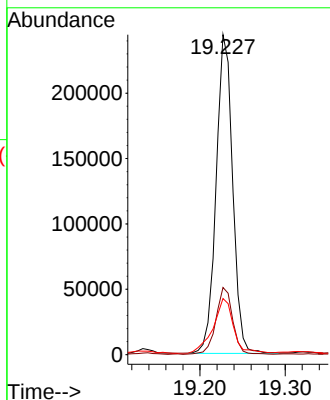
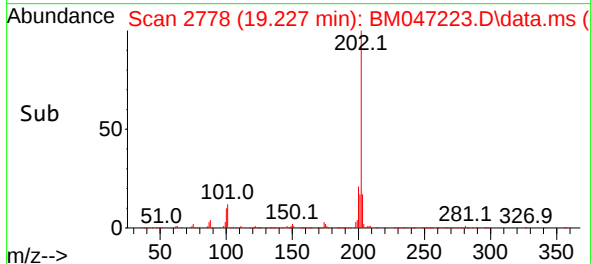
Instrument :
BNA_M
ClientSampleId :
OU4-TS-06-080724



Tgt Ion:202 Resp: 328784
Ion Ratio Lower Upper
202 100
200 21.0 17.2 25.8
203 17.5 14.2 21.2

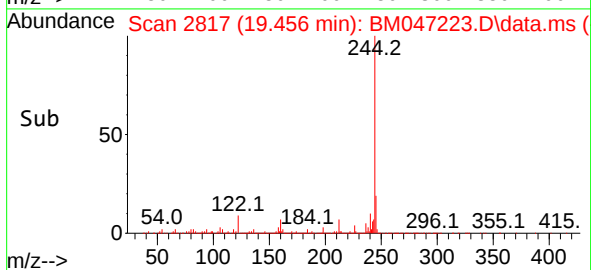
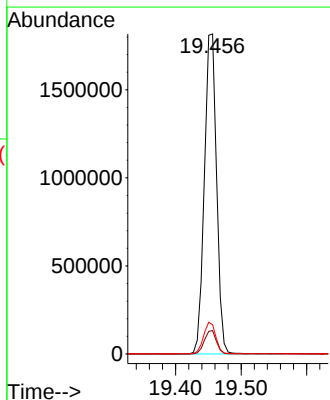
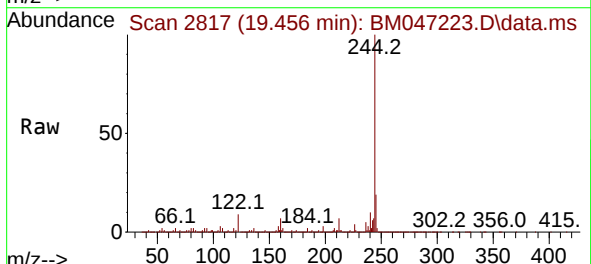
Manual Integrations
APPROVED

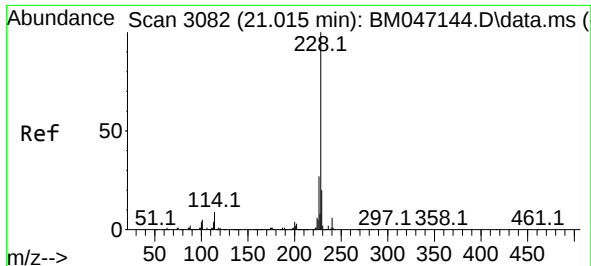
Reviewed By :Yogesh Patel 08/16/2024
Supervised By :mohammad ahmed 08/16/2024



#79
Terphenyl-d14
Concen: 49.785 ng
RT: 19.456 min Scan# 2817
Delta R.T. -0.006 min
Lab File: BM047223.D
Acq: 15 Aug 2024 20:13

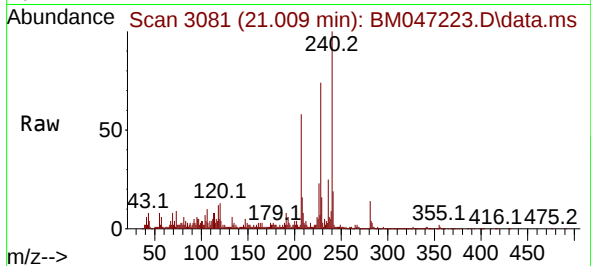
Tgt Ion:244 Resp: 2359599
Ion Ratio Lower Upper
244 100
212 7.3 6.2 9.4
122 9.2 7.1 10.7





#81
Benzo(a)anthracene
Concen: 2.567 ng
RT: 21.009 min Scan# 3081
Delta R.T. -0.006 min
Lab File: BM047223.D
Acq: 15 Aug 2024 20:13

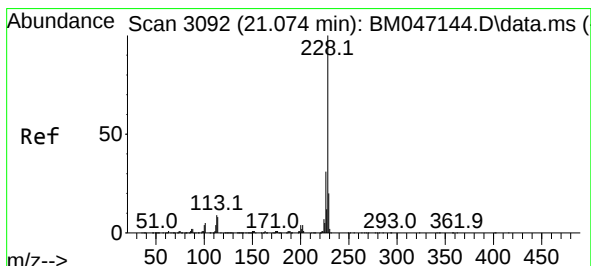
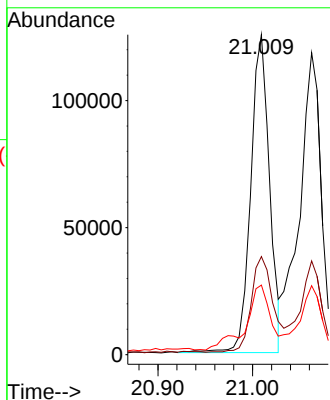
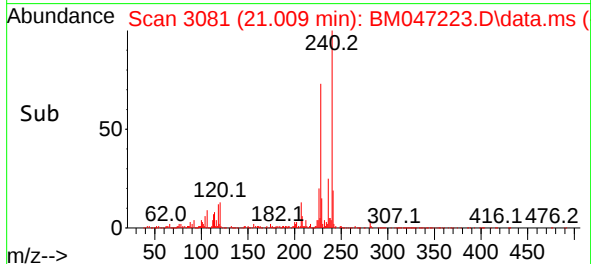
Instrument :
BNA_M
ClientSampleId :
OU4-TS-06-080724



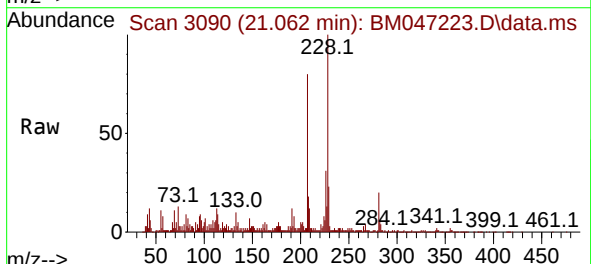
Tgt Ion:228 Resp: 17305
Ion Ratio Lower Upper
228 100
226 30.7 21.8 32.6
229 21.8 15.8 23.8

Manual Integrations
APPROVED

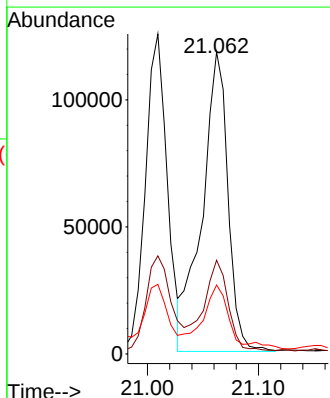
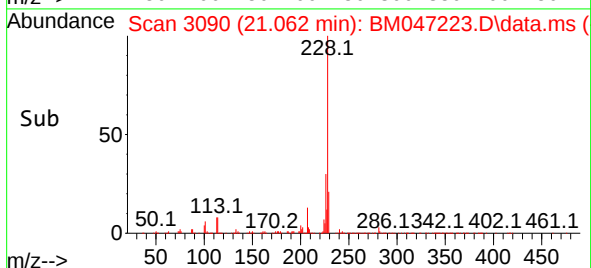
Reviewed By :Yogesh Patel 08/16/2024
Supervised By :mohammad ahmed 08/16/2024

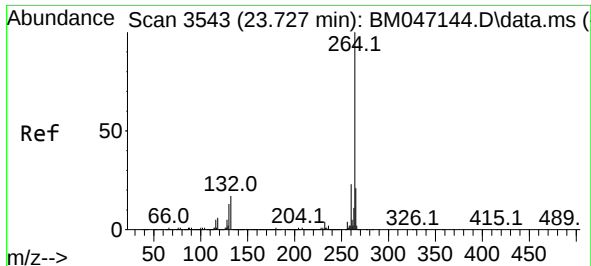


#83
Chrysene
Concen: 2.996 ng m
RT: 21.062 min Scan# 3090
Delta R.T. -0.012 min
Lab File: BM047223.D
Acq: 15 Aug 2024 20:13



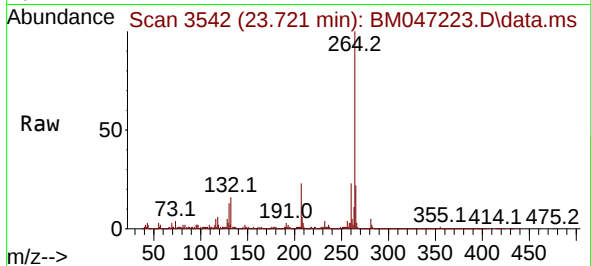
Tgt Ion:228 Resp: 191656
Ion Ratio Lower Upper
228 100
226 31.0 24.4 36.6
229 22.8 15.7 23.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.721 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM047223.D
Acq: 15 Aug 2024 20:13

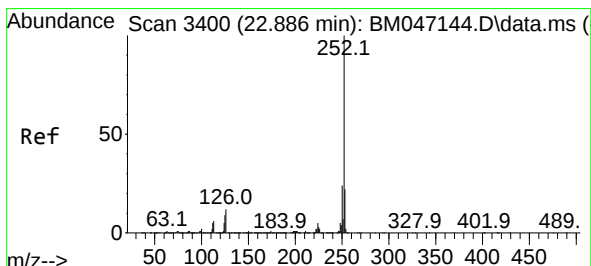
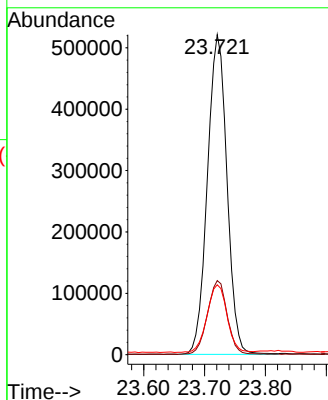
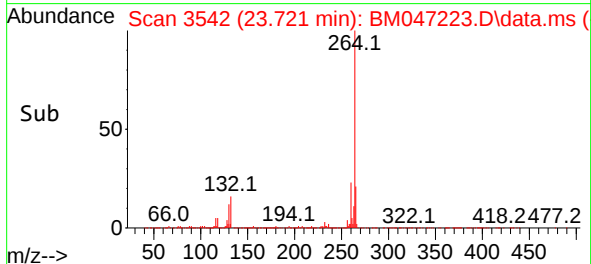
Instrument :
BNA_M
ClientSampleId :
OU4-TS-06-080724



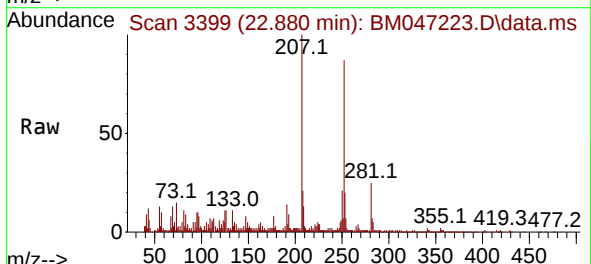
Tgt Ion:264 Resp: 116090
Ion Ratio Lower Upper
264 100
260 23.2 18.5 27.7
265 21.8 17.3 25.9

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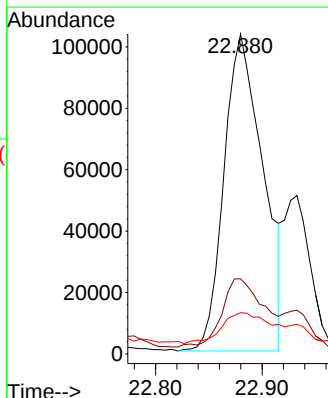
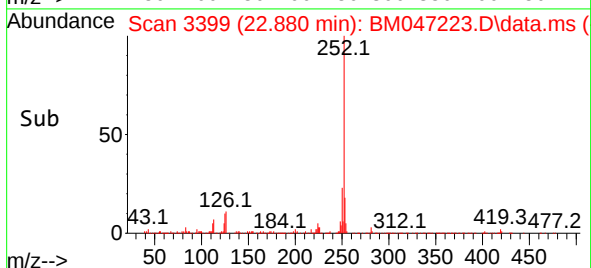
Reviewed By :Yogesh Patel 08/16/2024
Supervised By :mohammad ahmed 08/16/2024

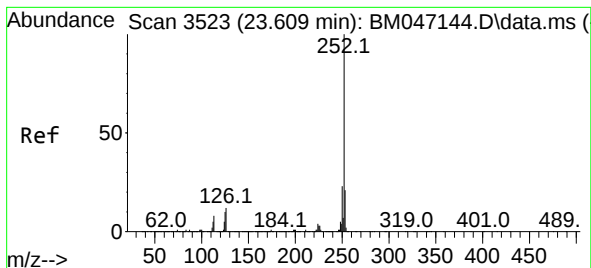


#88
Benzo(b)fluoranthene
Concen: 3.800 ng
RT: 22.880 min Scan# 3399
Delta R.T. -0.006 min
Lab File: BM047223.D
Acq: 15 Aug 2024 20:13



Tgt Ion:252 Resp: 261974
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.6
125 12.9 7.4 11.0#





#90

Benzo(a)pyrene

Concen: 2.924 ng

RT: 23.591 min Scan# 31

Delta R.T. -0.018 min

Lab File: BM047223.D

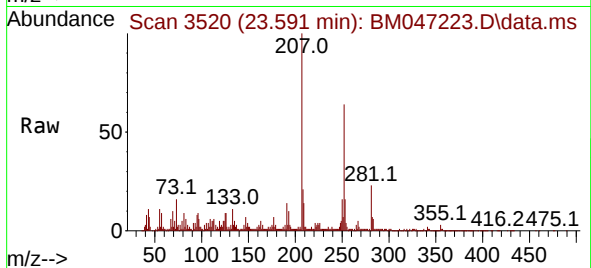
Acq: 15 Aug 2024 20:13

Instrument :

BNA_M

ClientSampleId :

OU4-TS-06-080724



Tgt Ion:252 Resp: 174638

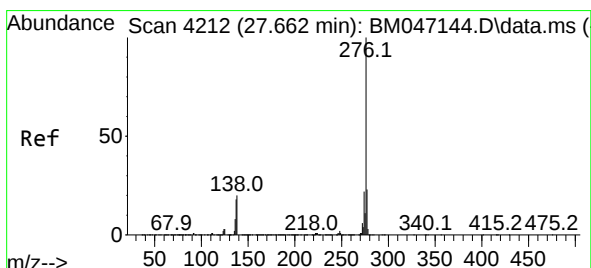
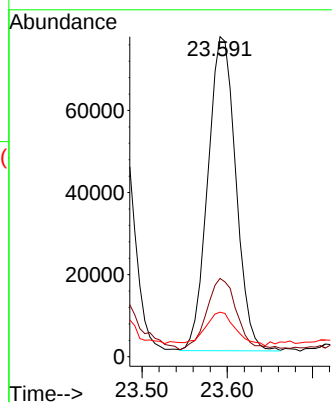
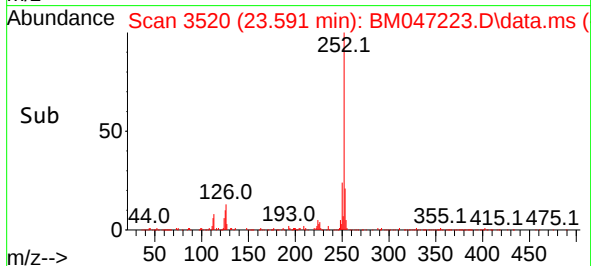
Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.1	25.7
125	13.9	8.2	12.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/16/2024

Supervised By :mohammad ahmed 08/16/2024



#92

Benzo(g,h,i)perylene

Concen: 2.201 ng

RT: 27.644 min Scan# 4209

Delta R.T. -0.018 min

Lab File: BM047223.D

Acq: 15 Aug 2024 20:13

Tgt Ion:276 Resp: 138788

Ion	Ratio	Lower	Upper
276	100		
277	26.6	18.8	28.2
138	23.5	16.2	24.4

