

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082024\
 Data File : BM047287.D
 Acq On : 21 Aug 2024 02:12
 Operator : RC/JU
 Sample : P3643-11
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 921-J-SD-0-0.5-081524

Manual Integrations
 APPROVED

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

Quant Time: Aug 21 03:15:16 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	300622	20.000	ng	-0.02
21) Naphthalene-d8	10.110	136	1076507	20.000	ng	-0.02
39) Acenaphthene-d10	14.016	164	659428	20.000	ng	-0.02
64) Phenanthrene-d10	16.780	188	1261139	20.000	ng	-0.01
76) Chrysene-d12	21.015	240	985648	20.000	ng	-0.02
86) Perylene-d12	23.709	264	1079567	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.016	112	1500360	89.179	ng	0.00
7) Phenol-d6	6.575	99	1913346	82.535	ng	-0.01
23) Nitrobenzene-d5	8.504	82	1171343	54.789	ng	-0.02
42) 2,4,6-Tribromophenol	15.527	330	639259	83.605	ng	-0.01
45) 2-Fluorobiphenyl	12.622	172	2078634	48.623	ng	-0.02
79) Terphenyl-d14	19.445	244	2448517	53.230	ng	-0.02
Target Compounds						
						Qvalue
71) Phenanthrene	16.821	178	819414	12.947	ng	100
72) Anthracene	16.916	178	215078	3.492	ng	99
75) Fluoranthene	18.857	202	1078983	14.016	ng	100
78) Pyrene	19.221	202	891888	12.673	ng	99
81) Benzo(a)anthracene	21.004	228	420116	6.421	ng	98
83) Chrysene	21.056	228	367416	5.918	ng	97
87) Indeno(1,2,3-cd)pyrene	26.697	276	196686	2.819	ng	97
88) Benzo(b)fluoranthene	22.868	252	422022	6.583	ng	99
89) Benzo(k)fluoranthene	22.921	252	176319m	2.912	ng	
90) Benzo(a)pyrene	23.586	252	321764	5.794	ng	99
92) Benzo(g,h,i)perylene	27.627	276	193597	3.302	ng	98

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

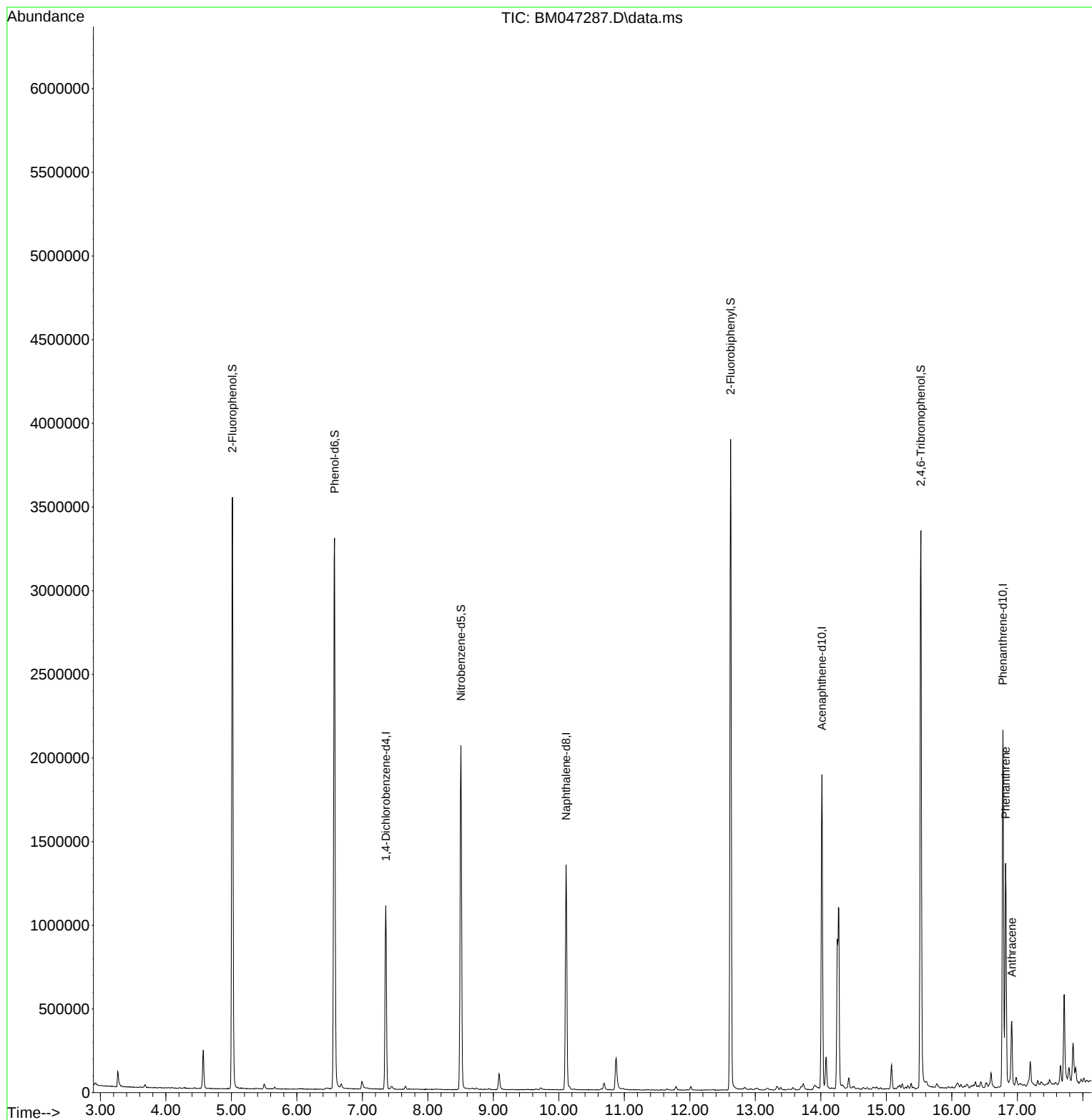
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082024\
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Quant Time: Aug 21 03:15:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration



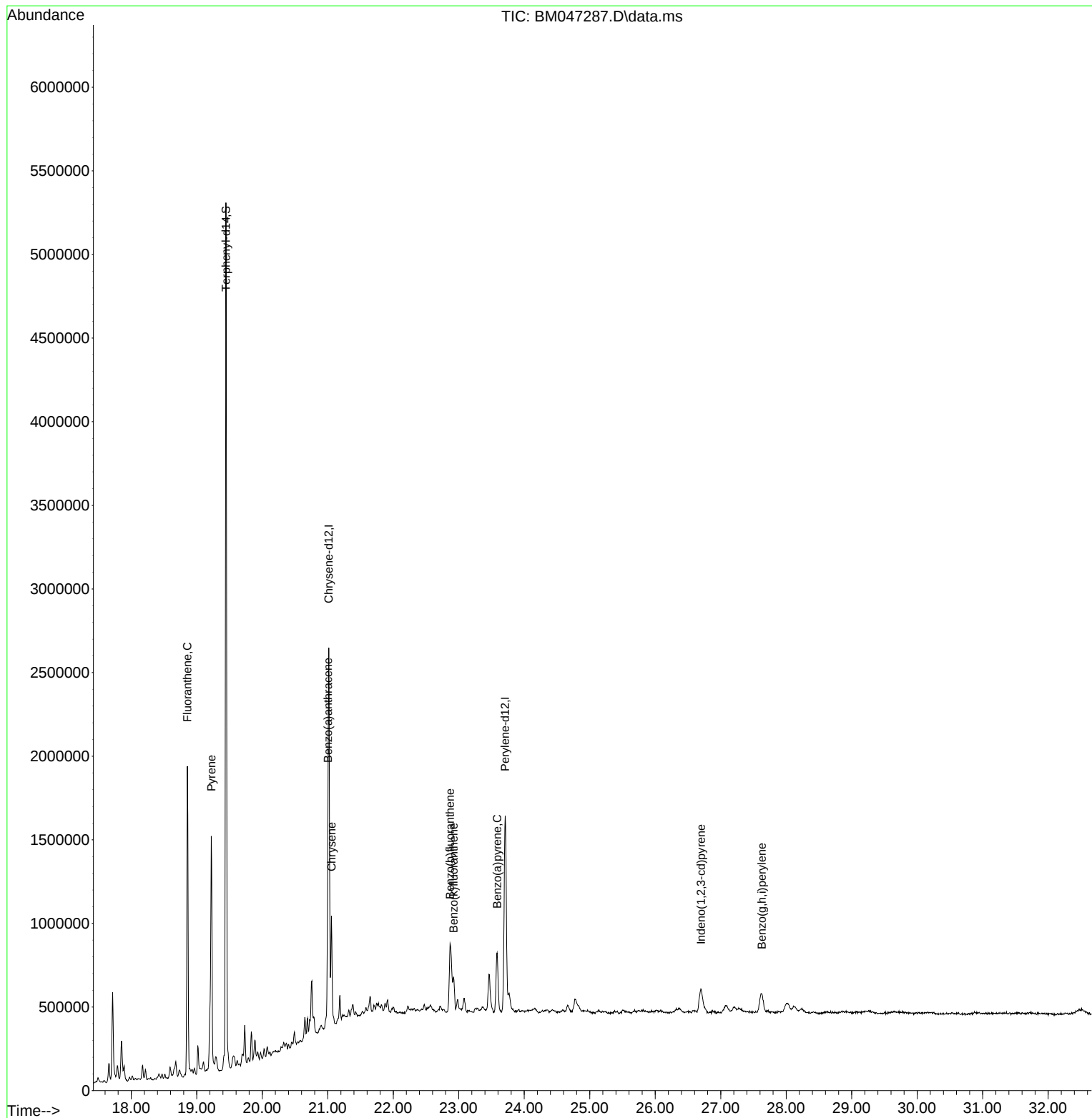
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Data File : BM047287.D
Acq On : 21 Aug 2024 02:12
Operator : RC/JU
Sample : P3643-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

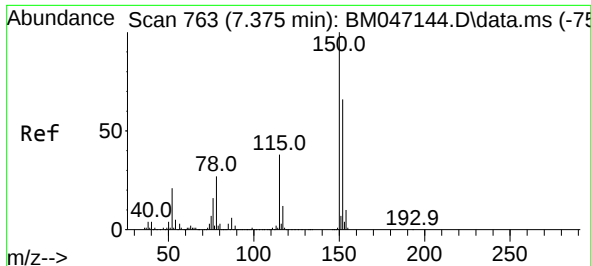
Instrument :
BNA_M
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921-J-SD-0-0.5-081524

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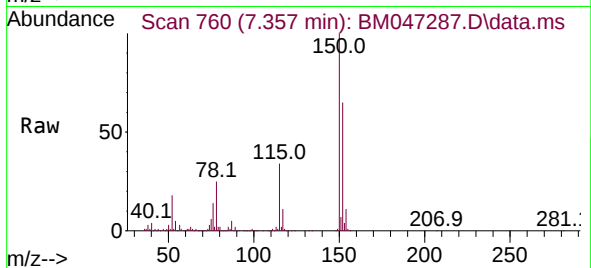
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.357 min Scan# 70
Delta R.T. -0.018 min
Lab File: BM047287.D
Acq: 21 Aug 2024 02:12

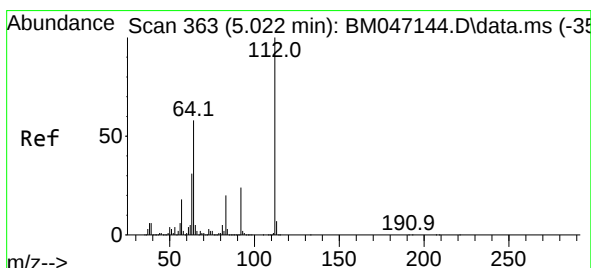
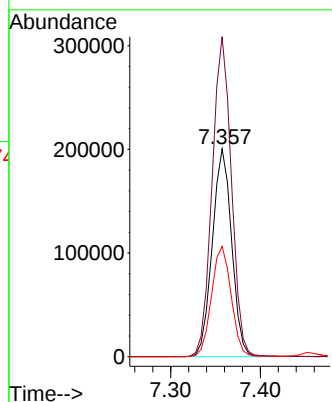
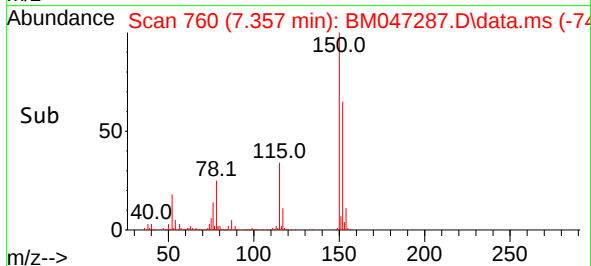
Instrument :
BNA_M
ClientSampleId :
921-J-SD-0-0.5-081524



Tgt Ion:152 Resp: 30062
Ion Ratio Lower Upper
152 100
150 153.9 120.5 180.7
115 53.1 45.5 68.3

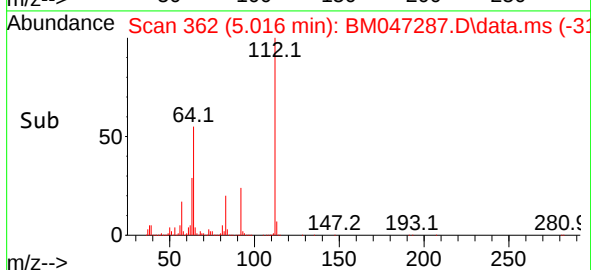
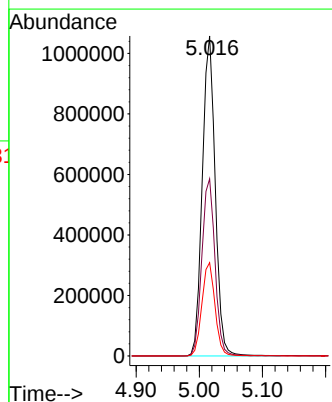
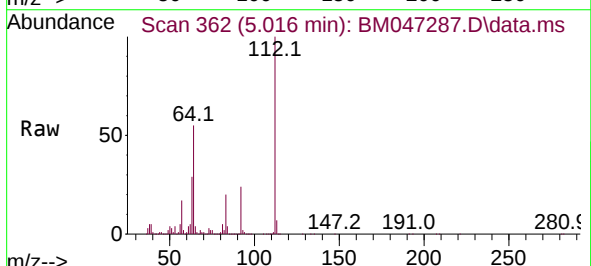
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#5
2-Fluorophenol
Concen: 89.179 ng
RT: 5.016 min Scan# 362
Delta R.T. -0.006 min
Lab File: BM047287.D
Acq: 21 Aug 2024 02:12

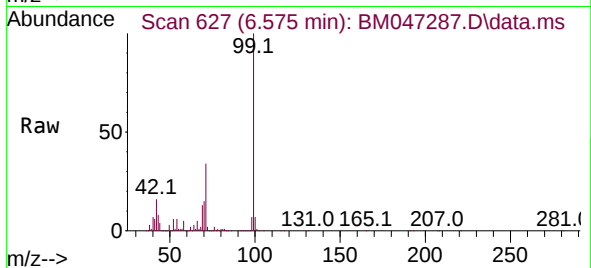
Tgt Ion:112 Resp: 1500360
Ion Ratio Lower Upper
112 100
64 55.4 46.7 70.1
63 29.2 24.8 37.2





#7
Phenol-d6
Concen: 82.535 ng
RT: 6.575 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM047287.D
Acq: 21 Aug 2024 02:12

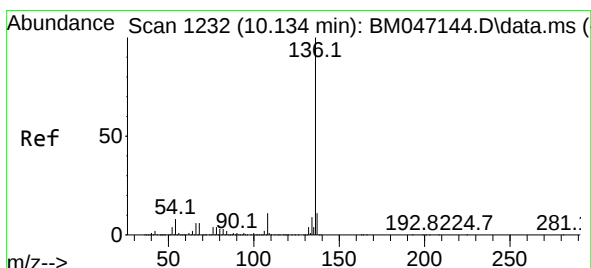
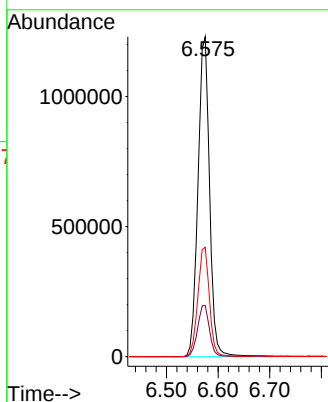
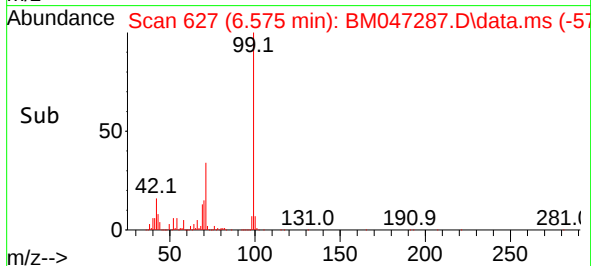
Instrument :
BNA_M
ClientSampleId :
921-J-SD-0-0.5-081524



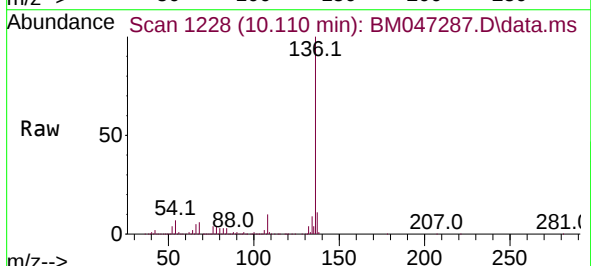
Tgt Ion: 99 Resp: 1913340
Ion Ratio Lower Upper
99 100
42 16.0 14.1 21.1
71 34.2 28.5 42.7

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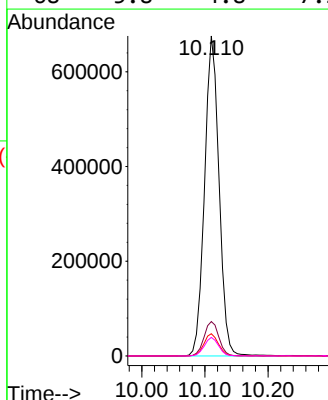
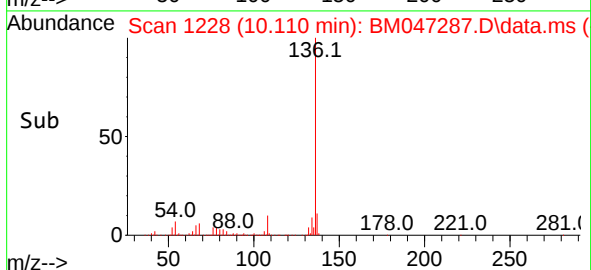
Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

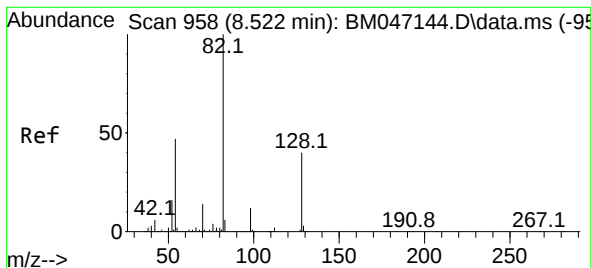


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.110 min Scan# 1228
Delta R.T. -0.024 min
Lab File: BM047287.D
Acq: 21 Aug 2024 02:12



Tgt Ion:136 Resp: 1076507
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 6.9 6.0 9.0
68 5.8 4.8 7.2





#23

Nitrobenzene-d5

Concen: 54.789 ng

RT: 8.504 min Scan# 91

Delta R.T. -0.018 min

Lab File: BM047287.D

Acq: 21 Aug 2024 02:12

Instrument :

BNA_M

ClientSampleId :

921-J-SD-0-0.5-081524

Tgt Ion: 82 Resp: 117134

Ion Ratio Lower Upper

82 100

128 44.0 32.3 48.5

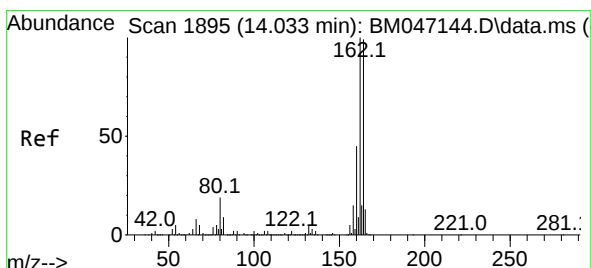
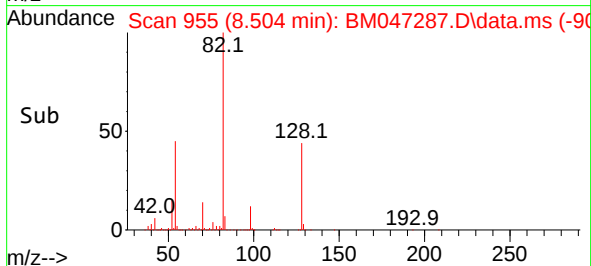
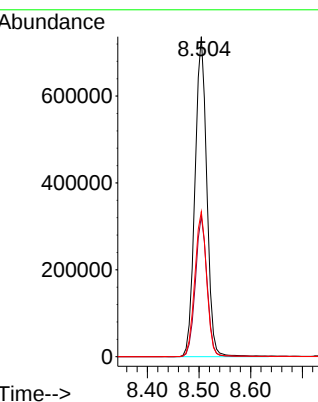
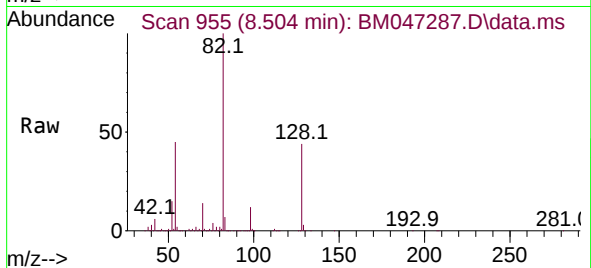
54 45.3 37.4 56.2

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.016 min Scan# 1892

Delta R.T. -0.018 min

Lab File: BM047287.D

Acq: 21 Aug 2024 02:12

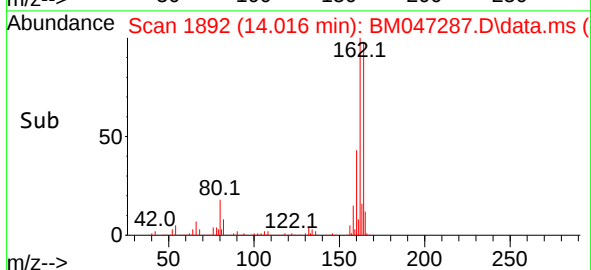
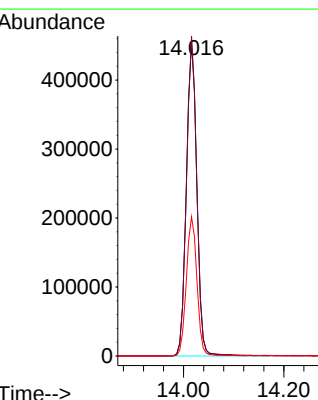
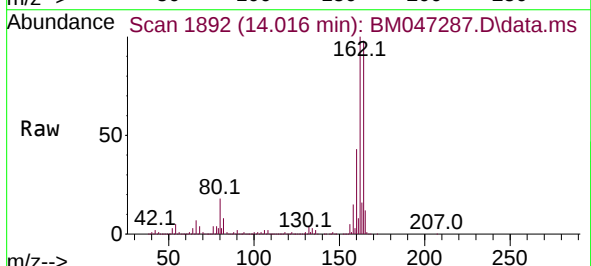
Tgt Ion:164 Resp: 659428

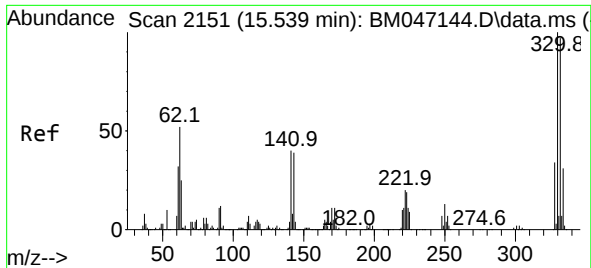
Ion Ratio Lower Upper

164 100

162 102.1 80.7 121.1

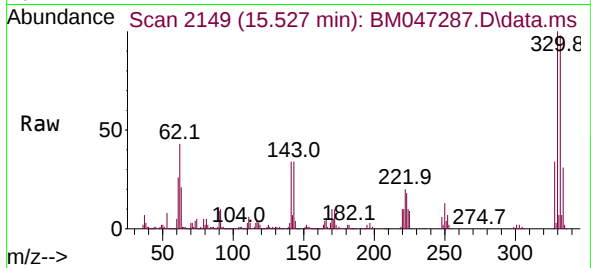
160 44.4 36.0 54.0





#42
2,4,6-Tribromophenol
Concen: 83.605 ng
RT: 15.527 min Scan# 2151
Delta R.T. -0.012 min
Lab File: BM047287.D
Acq: 21 Aug 2024 02:12

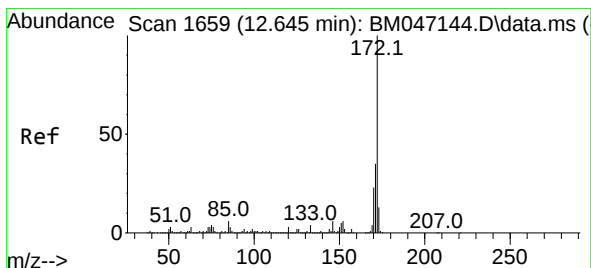
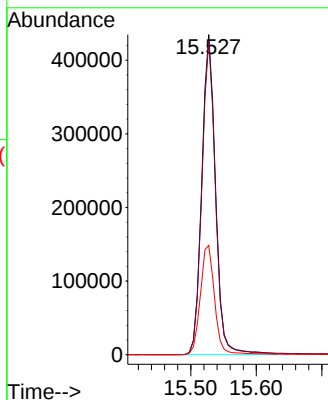
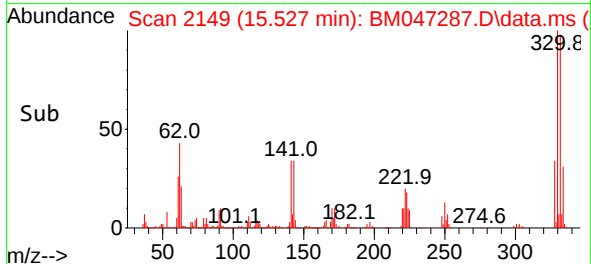
Instrument :
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921-J-SD-0-0.5-081524



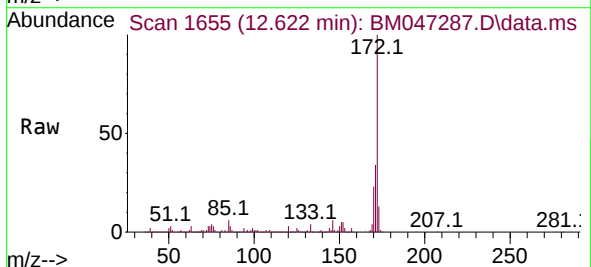
Tgt Ion:330 Resp: 639259
Ion Ratio Lower Upper
330 100
332 97.9 77.4 116.2
141 35.7 31.6 47.4

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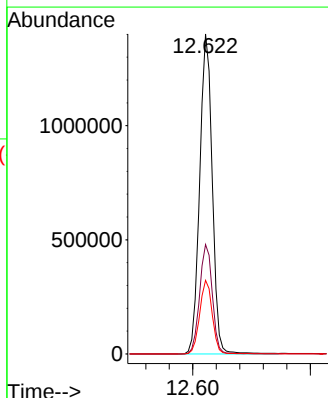
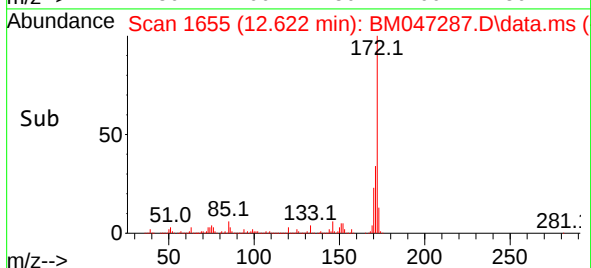
Reviewed By :Jagrut Upadhyay 08/21/2024
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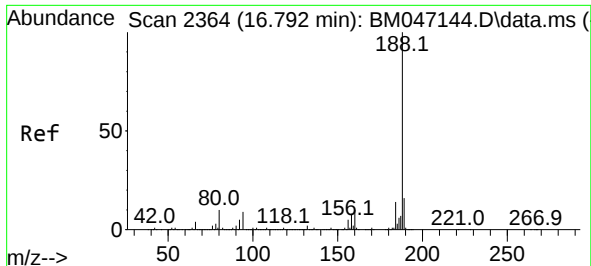


#45
2-Fluorobiphenyl
Concen: 48.623 ng
RT: 12.622 min Scan# 1655
Delta R.T. -0.023 min
Lab File: BM047287.D
Acq: 21 Aug 2024 02:12



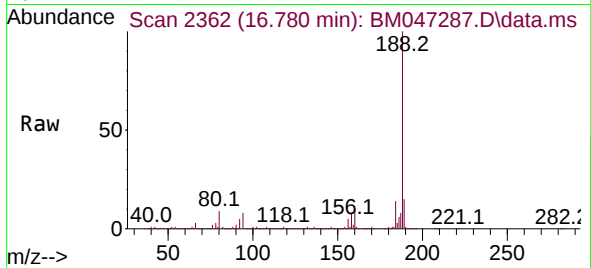
Tgt Ion:172 Resp: 2078634
Ion Ratio Lower Upper
172 100
171 34.2 27.8 41.6
170 23.0 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.780 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM047287.D
Acq: 21 Aug 2024 02:12

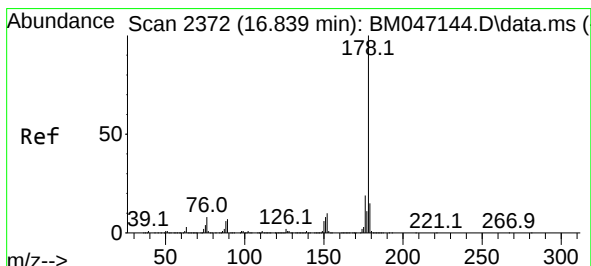
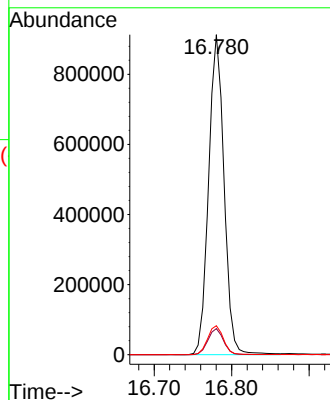
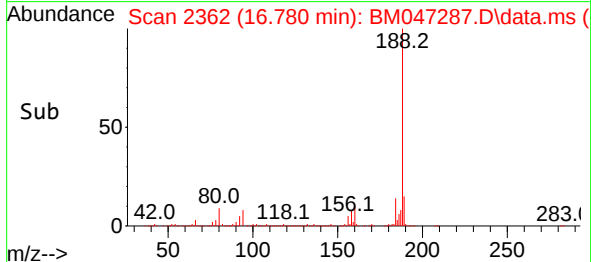
Instrument :
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ClientSampleId :
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Tgt Ion:188 Resp: 1261139
Ion Ratio Lower Upper
188 100
94 8.2 7.0 10.6
80 9.0 8.0 12.0

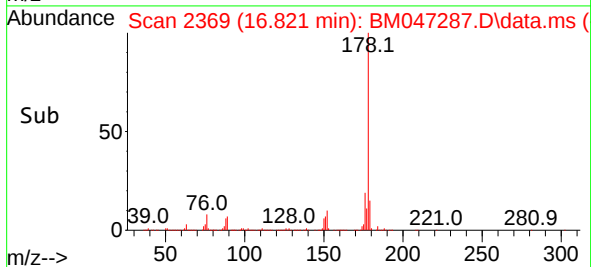
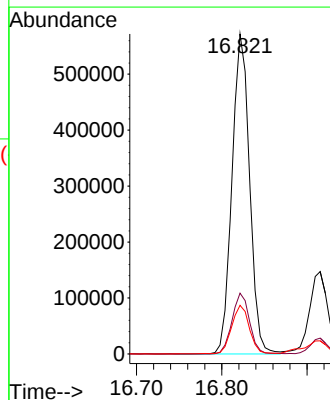
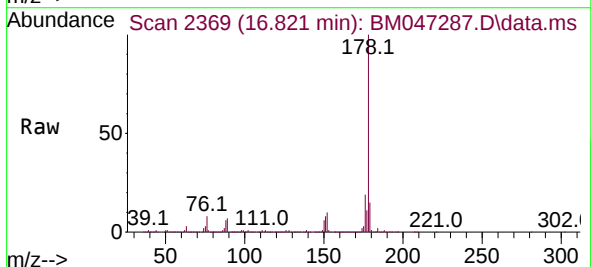
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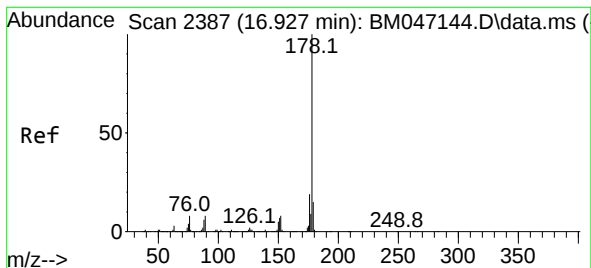
Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#71
Phenanthrene
Concen: 12.947 ng
RT: 16.821 min Scan# 2369
Delta R.T. -0.018 min
Lab File: BM047287.D
Acq: 21 Aug 2024 02:12

Tgt Ion:178 Resp: 819414
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.2 12.4 18.6





#72

Anthracene

Concen: 3.492 ng

RT: 16.916 min Scan# 215078

Delta R.T. -0.012 min

Lab File: BM047287.D

Acq: 21 Aug 2024 02:12

Instrument :

BNA_M

ClientSampleId :

921-J-SD-0-0.5-081524

Tgt Ion:178 Resp: 215078

Ion Ratio Lower Upper

178 100

176 19.2 14.8 22.2

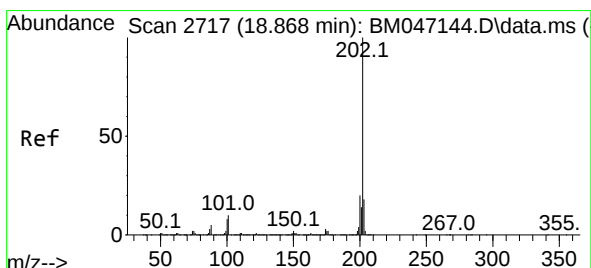
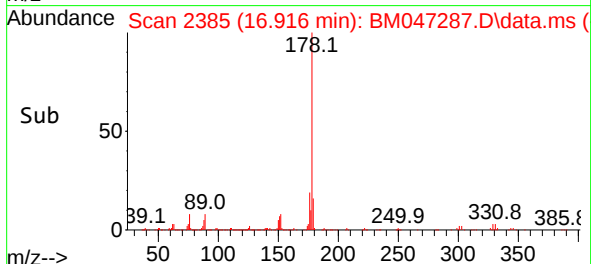
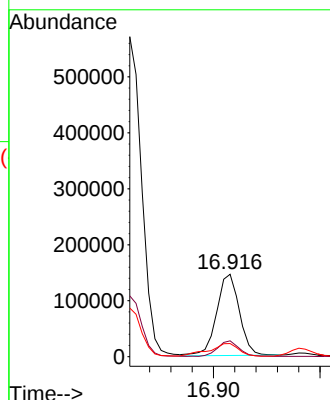
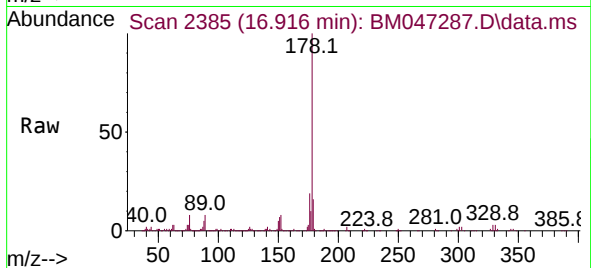
179 16.0 12.4 18.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#75

Fluoranthene

Concen: 14.016 ng

RT: 18.857 min Scan# 2715

Delta R.T. -0.012 min

Lab File: BM047287.D

Acq: 21 Aug 2024 02:12

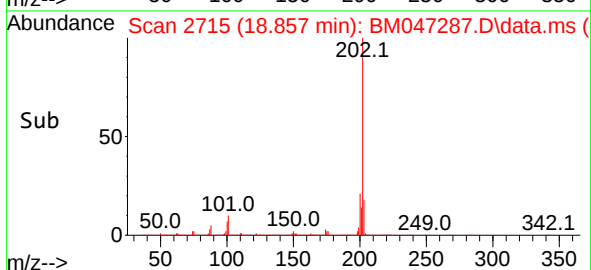
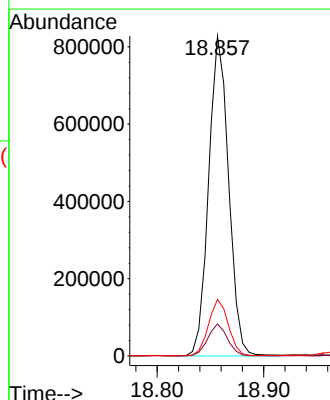
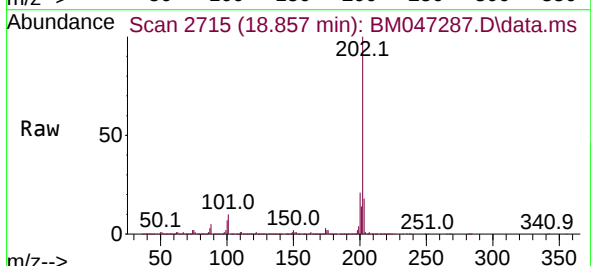
Tgt Ion:202 Resp: 1078983

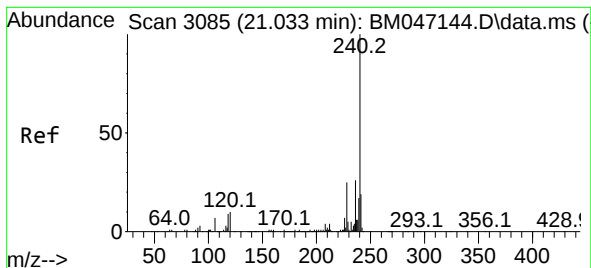
Ion Ratio Lower Upper

202 100

101 10.0 0.0 30.2

203 17.6 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.015 min Scan# 3085

Delta R.T. -0.018 min

Lab File: BM047287.D

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ClientSampleId :

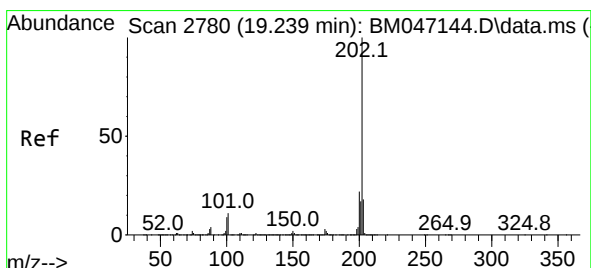
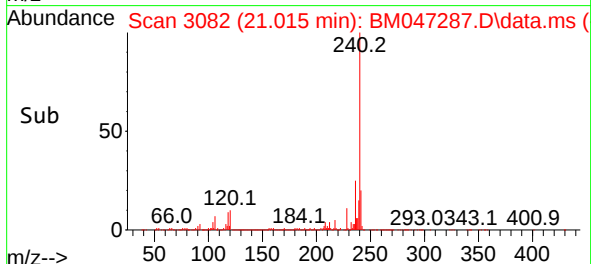
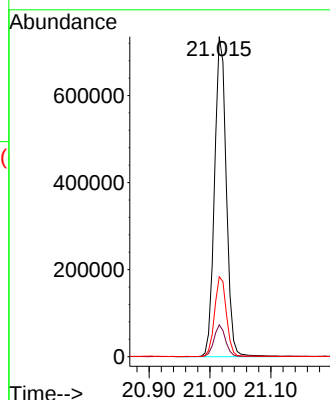
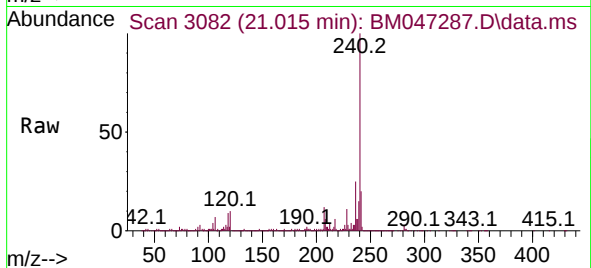
921-J-SD-0-0.5-081524

Tgt Ion:240 Resp: 985648
 Ion Ratio Lower Upper
 240 100
 120 10.0 8.2 12.2
 236 25.0 20.6 30.8

Manual Integrations

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



#78

Pyrene

Concen: 12.673 ng

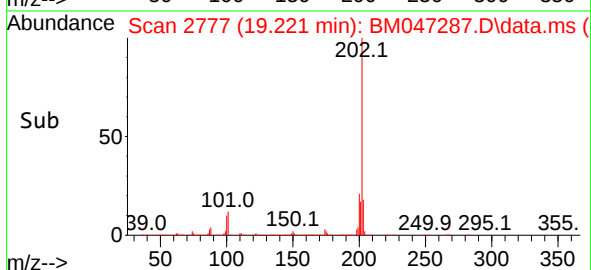
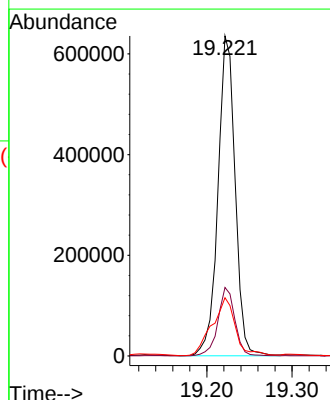
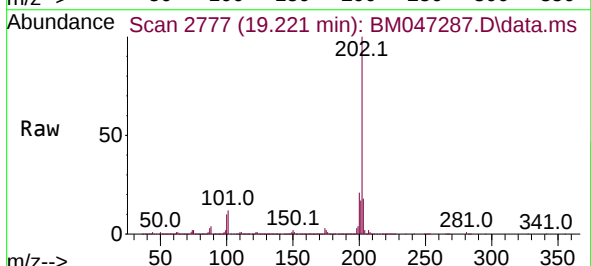
RT: 19.221 min Scan# 2777

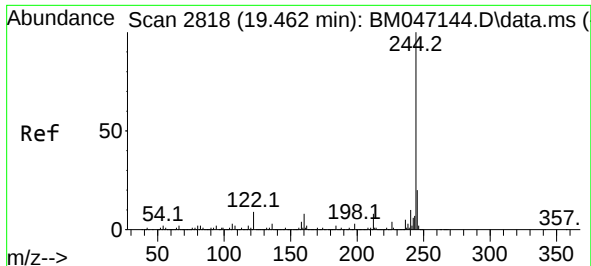
Delta R.T. -0.018 min

Lab File: BM047287.D

Acq: 21 Aug 2024 02:12

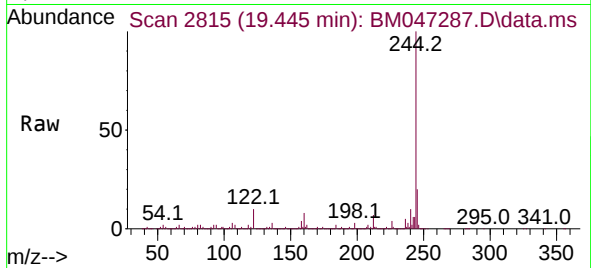
Tgt Ion:202 Resp: 891888
 Ion Ratio Lower Upper
 202 100
 200 21.4 17.2 25.8
 203 18.2 14.2 21.2





#79
Terphenyl-d14
Concen: 53.230 ng
RT: 19.445 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM047287.D
Acq: 21 Aug 2024 02:12

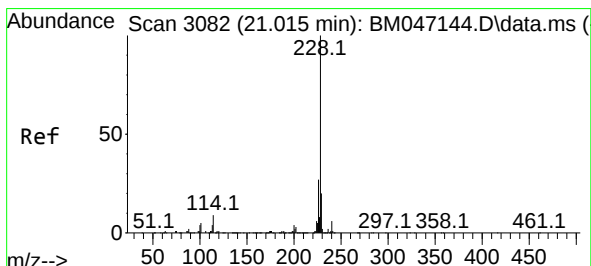
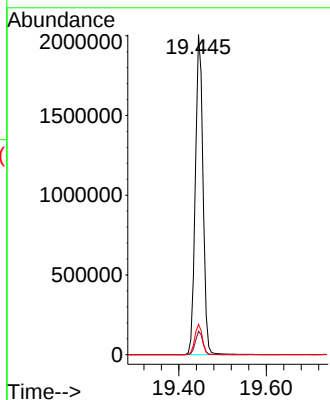
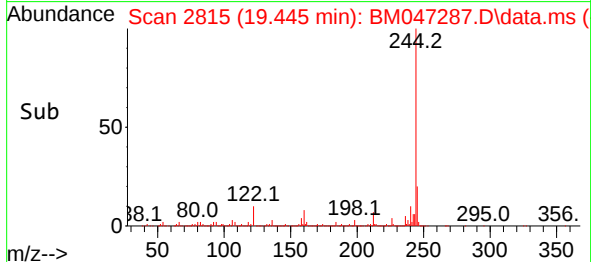
Instrument :
BNA_M
ClientSampleId :
921-J-SD-0-0.5-081524



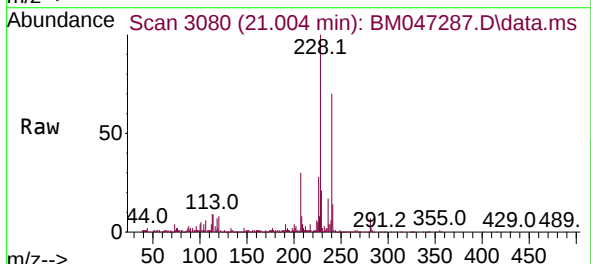
Tgt Ion:244 Resp: 244851
Ion Ratio Lower Upper
244 100
212 7.3 6.2 9.4
122 9.5 7.1 10.7

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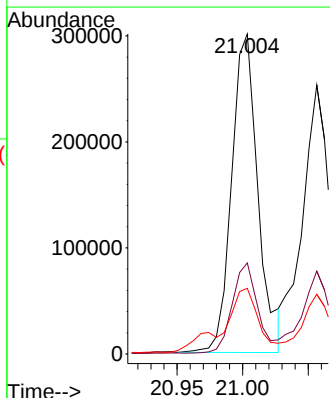
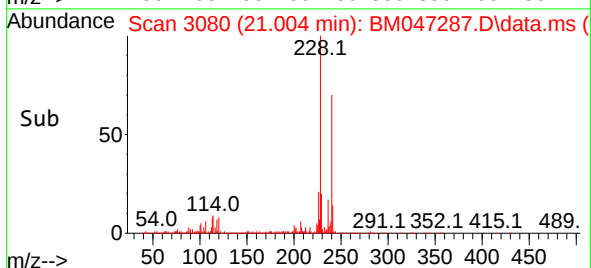
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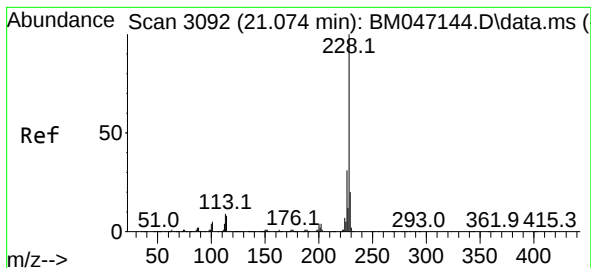


#81
Benzo(a)anthracene
Concen: 6.421 ng
RT: 21.004 min Scan# 3080
Delta R.T. -0.012 min
Lab File: BM047287.D
Acq: 21 Aug 2024 02:12



Tgt Ion:228 Resp: 420116
Ion Ratio Lower Upper
228 100
226 28.4 21.8 32.6
229 20.5 15.8 23.8





#83

Chrysene

Concen: 5.918 ng

RT: 21.056 min Scan# 3092

Delta R.T. -0.018 min

Lab File: BM047287.D

Acq: 21 Aug 2024 02:12

Instrument :

BNA_M

ClientSampleId :

921-J-SD-0-0.5-081524

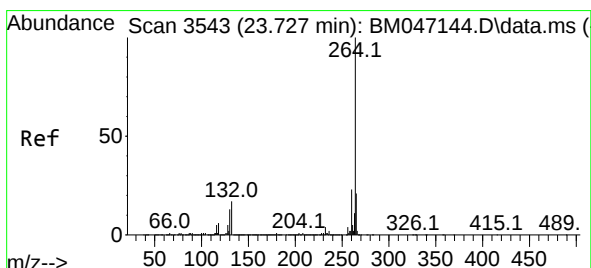
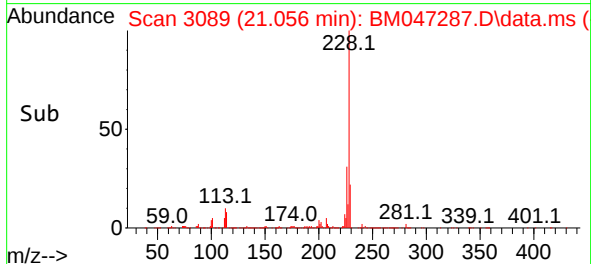
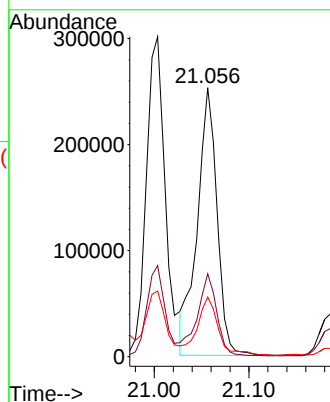
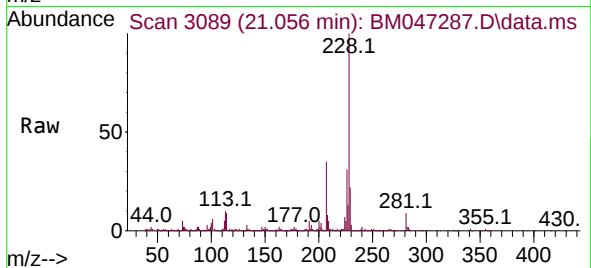
Tgt Ion:228 Resp: 367410

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.4	36.6
229	22.2	15.7	23.5

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#86

Perylene-d12

Concen: 20.000 ng

RT: 23.709 min Scan# 3540

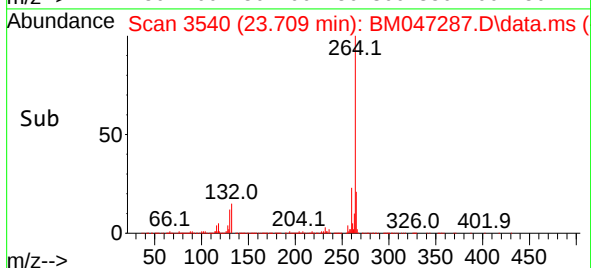
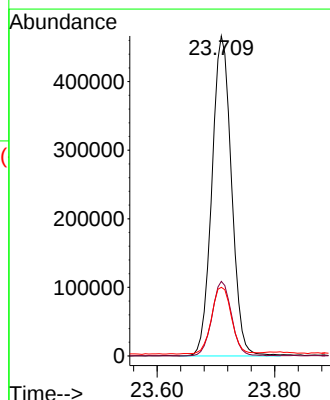
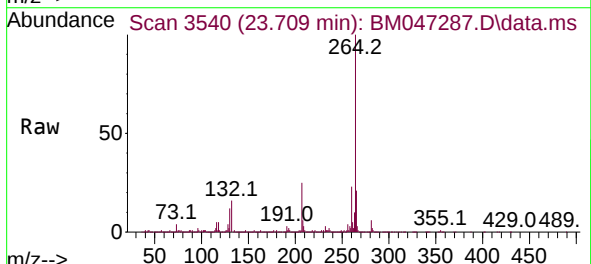
Delta R.T. -0.018 min

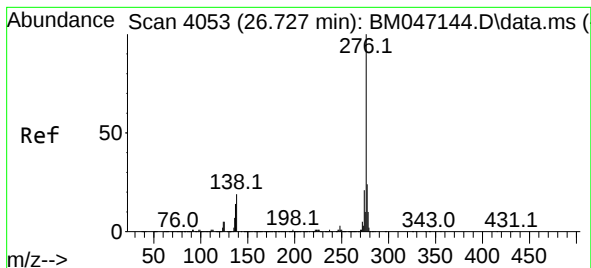
Lab File: BM047287.D

Acq: 21 Aug 2024 02:12

Tgt Ion:264 Resp: 1079567

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.5	27.7
265	21.5	17.3	25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.819 ng

RT: 26.697 min Scan# 4053

Delta R.T. -0.029 min

Lab File: BM047287.D

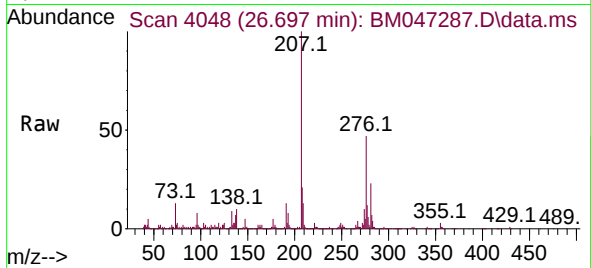
Acq: 21 Aug 2024 02:12

Instrument :

BNA_M

ClientSampleId :

921-J-SD-0-0.5-081524

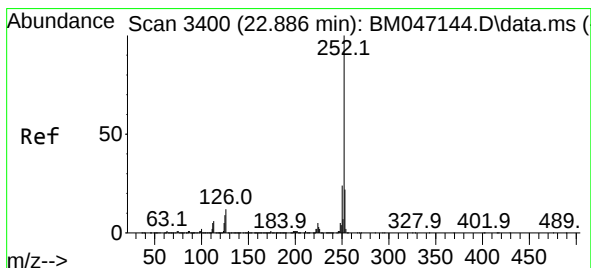
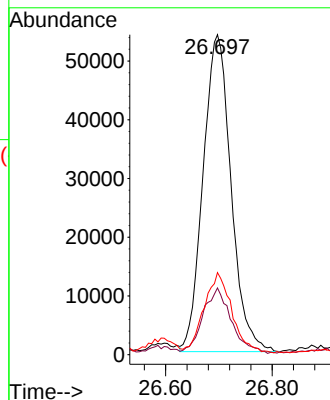
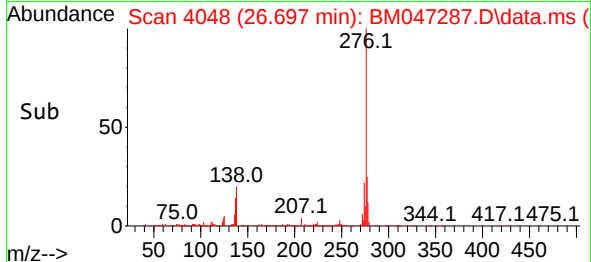


Tgt Ion:	276	Resp:	196680
Ion Ratio	Lower	Upper	
276	100		
138	21.3	19.4	29.0
277	25.1	20.1	30.1

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#88

Benzo(b)fluoranthene

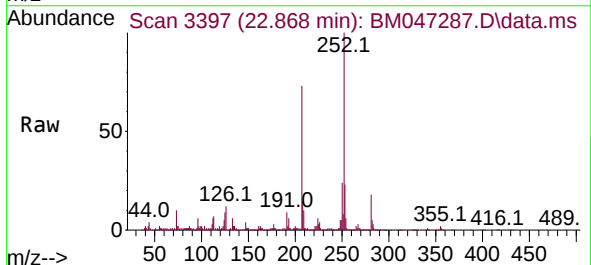
Concen: 6.583 ng

RT: 22.868 min Scan# 3397

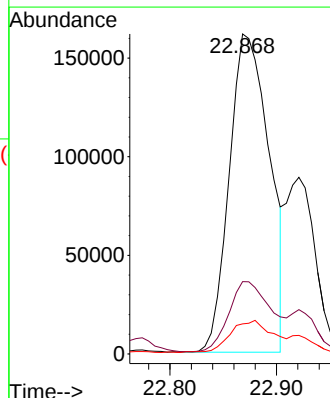
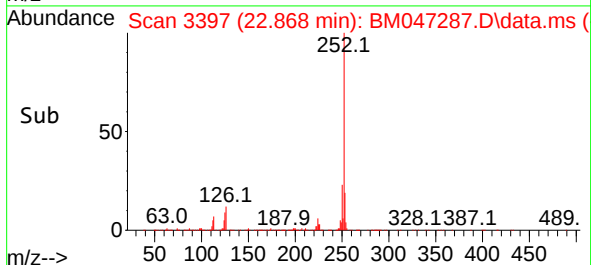
Delta R.T. -0.018 min

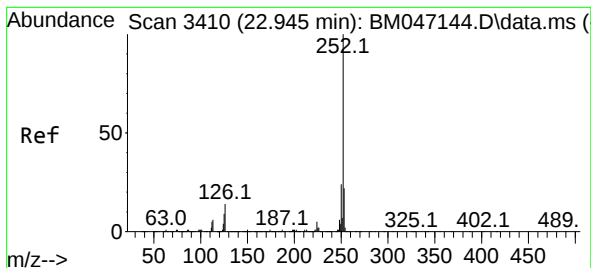
Lab File: BM047287.D

Acq: 21 Aug 2024 02:12



Tgt Ion:	252	Resp:	422022
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.8	26.6
125	9.4	7.4	11.0





#89

Benzo(k)fluoranthene

Concen: 2.912 ng m

RT: 22.921 min Scan# 3410

Delta R.T. -0.024 min

Lab File: BM047287.D

Acq: 21 Aug 2024 02:12

Instrument :

BNA_M

ClientSampleId :

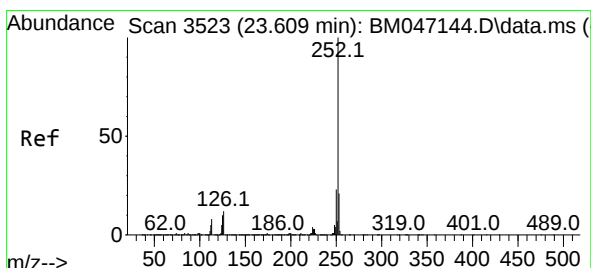
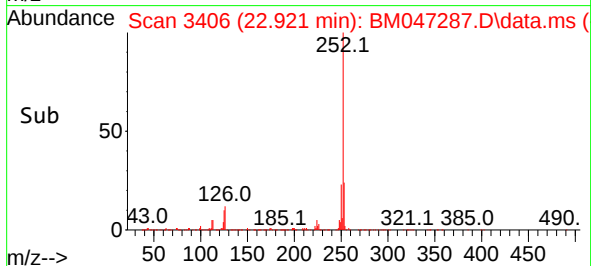
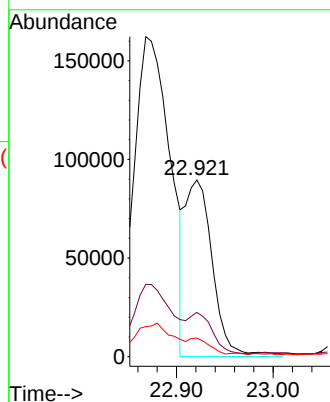
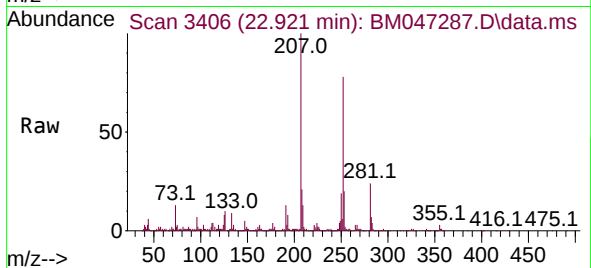
921-J-SD-0-0.5-081524

Tgt Ion:252 Resp: 176319
 Ion Ratio Lower Upper
 252 100
 253 25.1 17.7 26.5
 125 10.5 7.4 11.2

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#90

Benzo(a)pyrene

Concen: 5.794 ng

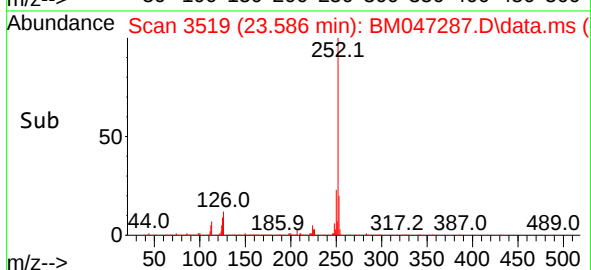
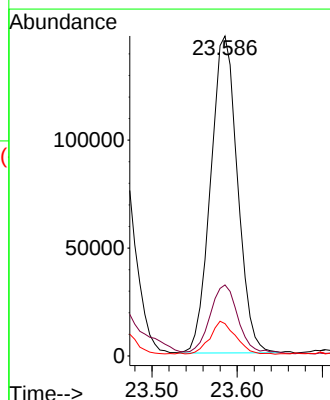
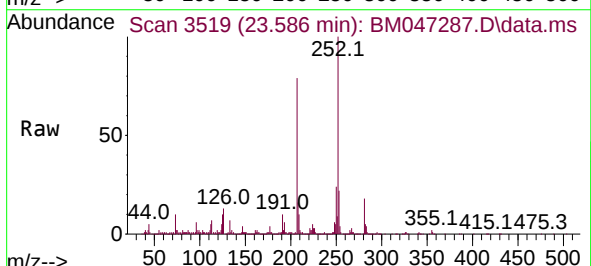
RT: 23.586 min Scan# 3519

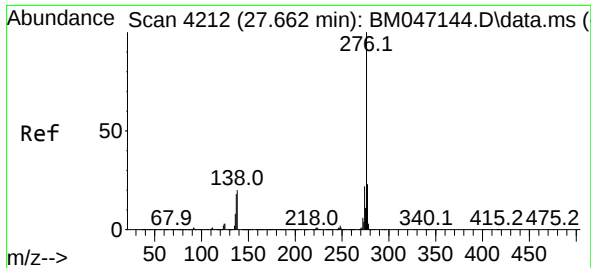
Delta R.T. -0.024 min

Lab File: BM047287.D

Acq: 21 Aug 2024 02:12

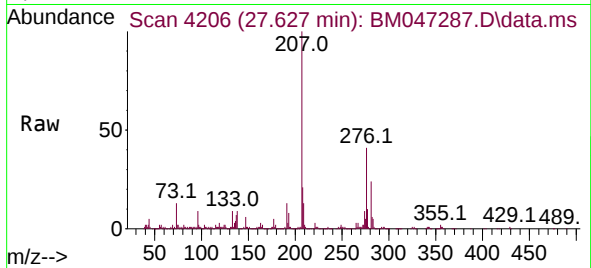
Tgt Ion:252 Resp: 321764
 Ion Ratio Lower Upper
 252 100
 253 22.2 17.1 25.7
 125 10.1 8.2 12.2





#92
Benzo(g,h,i)perylene
Concen: 3.302 ng
RT: 27.627 min Scan# 41
Delta R.T. -0.035 min
Lab File: BM047287.D
Acq: 21 Aug 2024 02:12

Instrument :
BNA_M
ClientSampleId :
921-J-SD-0-0.5-081524



Tgt Ion: 276 Resp: 19359
Ion Ratio Lower Upper
276 100
277 24.3 18.8 28.2
138 21.4 16.2 24.4

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