

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081524\
 Data File : BM047196.D
 Acq On : 14 Aug 2024 18:11
 Operator : RC/JU
 Sample : P3519-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OU4-TS-18-080724

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/15/2024
 Supervised By :mohammad ahmed 08/16/2024

Quant Time: Aug 14 18:58:28 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 14 17:18:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.369	152	362318	20.000	ng	0.00
21) Naphthalene-d8	10.122	136	1389579	20.000	ng	-0.01
39) Acenaphthene-d10	14.027	164	892726	20.000	ng	0.00
64) Phenanthrene-d10	16.786	188	1788203	20.000	ng	0.00
76) Chrysene-d12	21.021	240	1251237	20.000	ng	-0.01
86) Perylene-d12	23.715	264	1209336	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.022	112	1500688	74.009	ng	0.00
7) Phenol-d6	6.581	99	2008268	71.878	ng	0.00
23) Nitrobenzene-d5	8.516	82	1337455	48.464	ng	0.00
42) 2,4,6-Tribromophenol	15.533	330	768362	74.229	ng	0.00
45) 2-Fluorobiphenyl	12.633	172	2491070	43.043	ng	-0.01
79) Terphenyl-d14	19.450	244	3082565	52.789	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	16.827	178	447116	4.982	ng	99
75) Fluoranthene	18.862	202	972494	8.909	ng	99
78) Pyrene	19.227	202	834813	9.344	ng	99
81) Benzo(a)anthracene	21.003	228	380328	4.579	ng	97
83) Chrysene	21.062	228	370812	4.705	ng	96
87) Indeno(1,2,3-cd)pyrene	26.697	276	200526	2.565	ng	96
88) Benzo(b)fluoranthene	22.874	252	436292	6.075	ng	# 96
89) Benzo(k)fluoranthene	22.927	252	163409m	2.409	ng	
90) Benzo(a)pyrene	23.591	252	295139	4.744	ng	# 95
92) Benzo(g,h,i)perylene	27.626	276	192554	2.932	ng	97

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

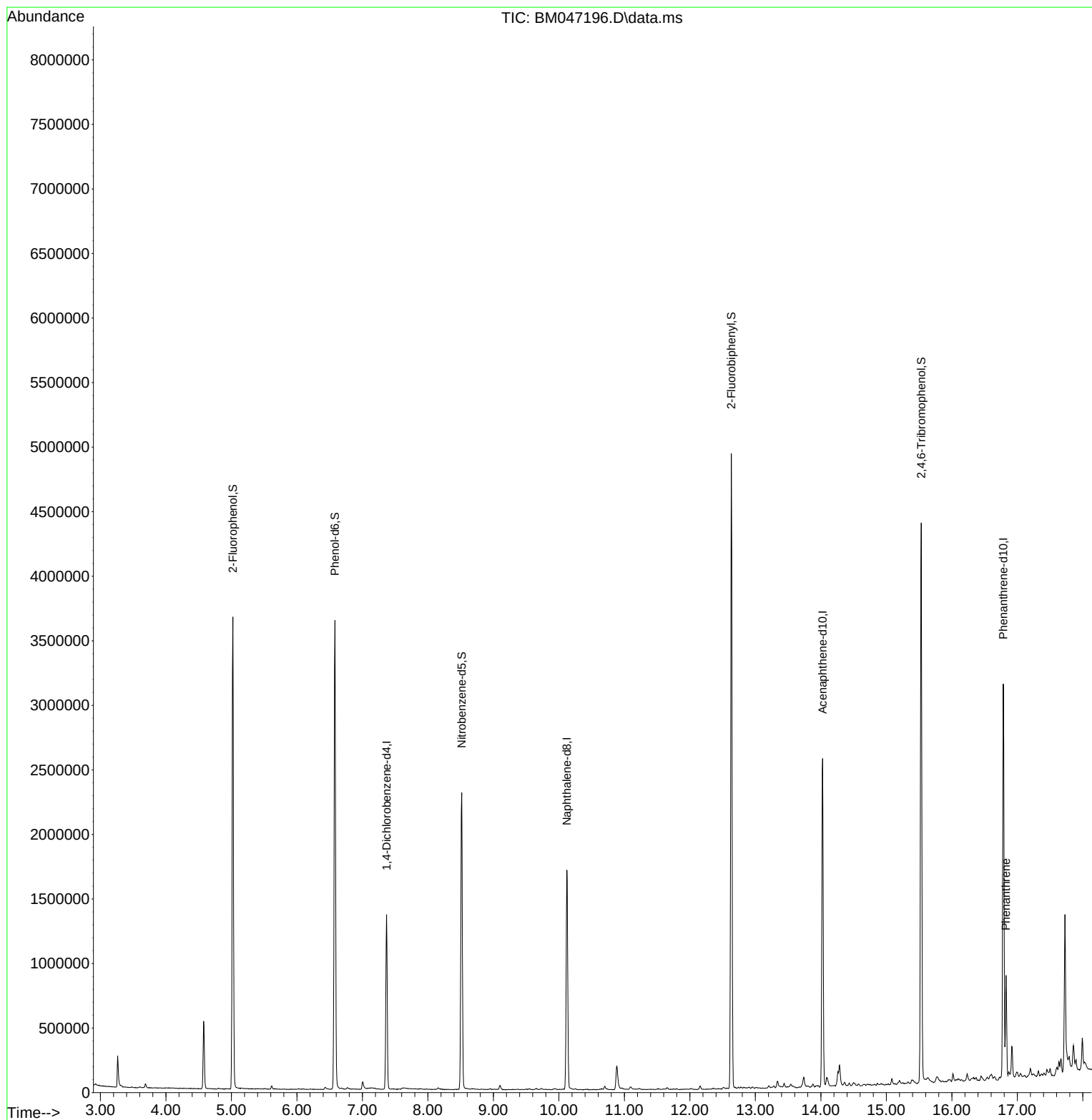
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081524\
Data File : BM047196.D
Acq On : 14 Aug 2024 18:11
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Instrument :
BNA_M
ClientSampleId :
OU4-TS-18-080724

Quant Time: Aug 14 18:58:28 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 17:18:06 2024
Response via : Initial Calibration

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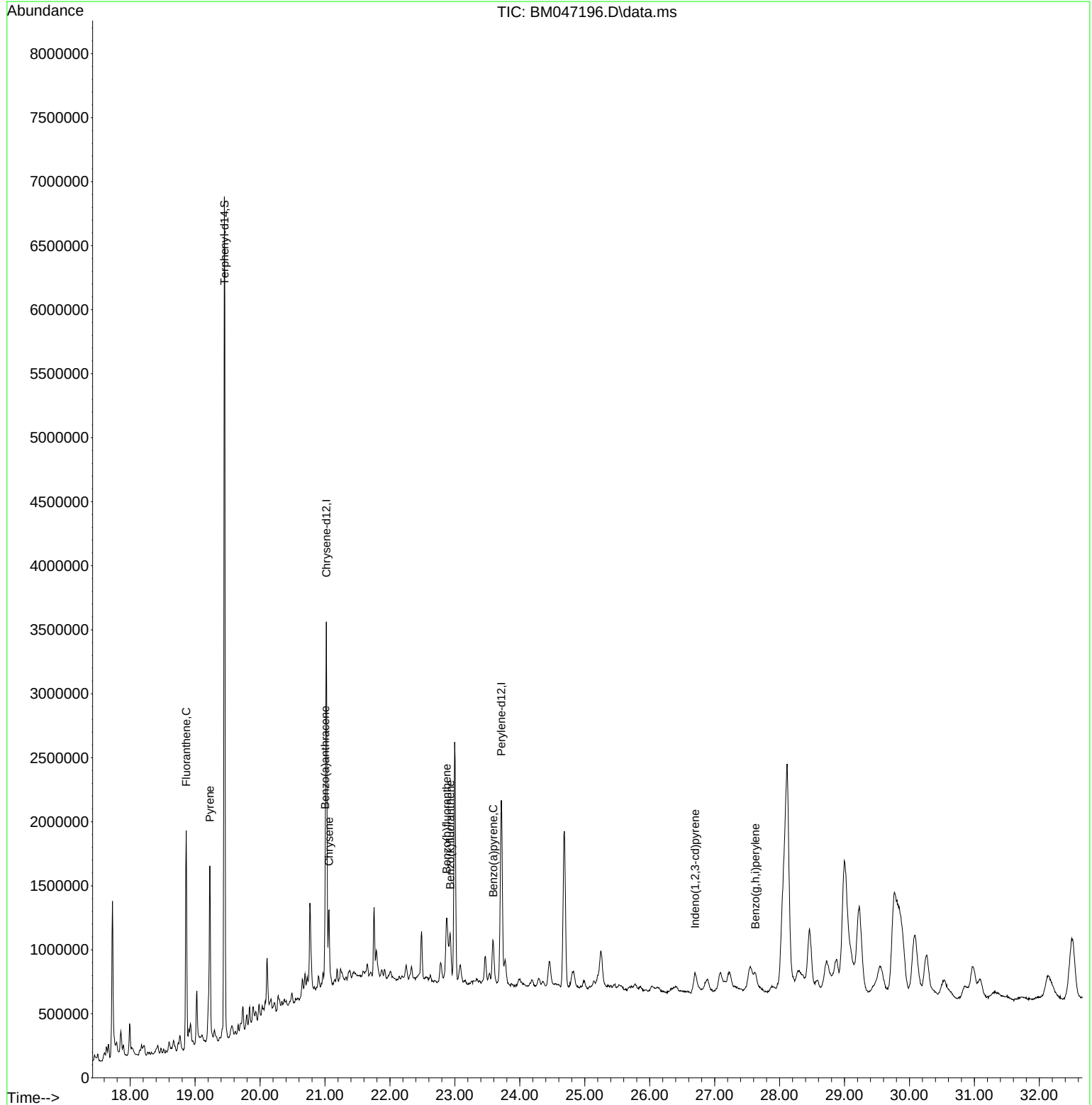
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Data File : BM047196.D
Acq On : 14 Aug 2024 18:11
Operator : RC/JU
Sample : P3519-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

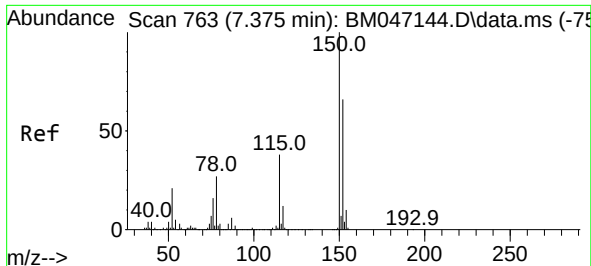
Instrument :
BNA_M
ClientSampleId :
OU4-TS-18-080724

Quant Time: Aug 14 18:58:28 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 17:18:06 2024
Response via : Initial Calibration

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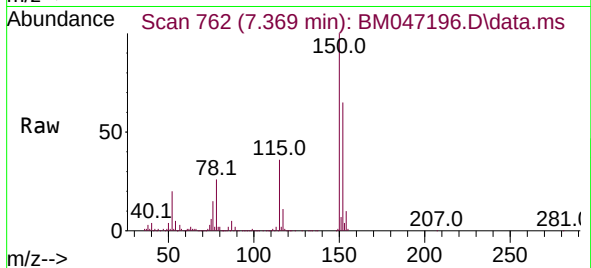
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.369 min Scan# 763
Delta R.T. -0.006 min
Lab File: BM047196.D
Acq: 14 Aug 2024 18:11

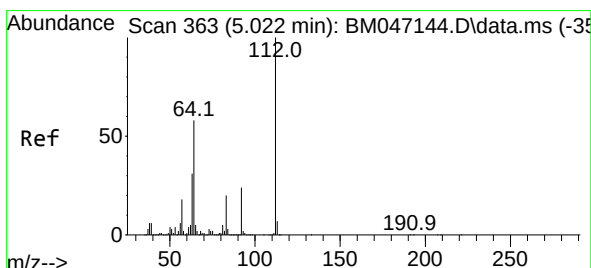
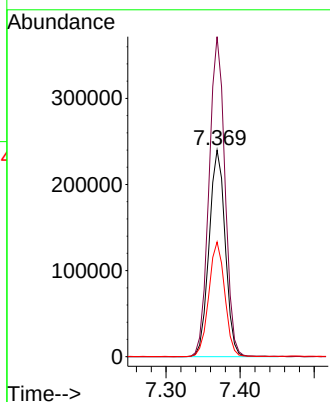
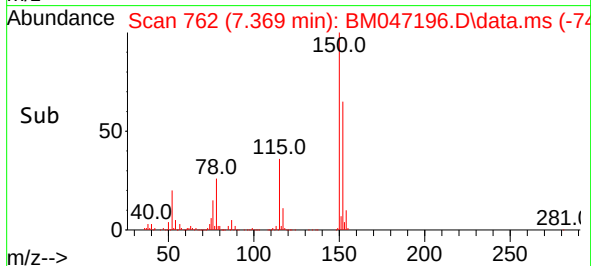
Instrument :
BNA_M
ClientSampleId :
OU4-TS-18-080724



Tgt Ion:152 Resp: 362318
Ion Ratio Lower Upper
152 100
150 154.9 120.5 180.7
115 55.5 45.5 68.3

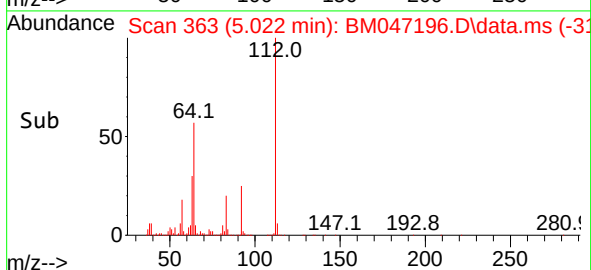
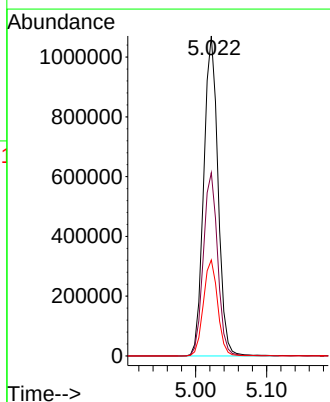
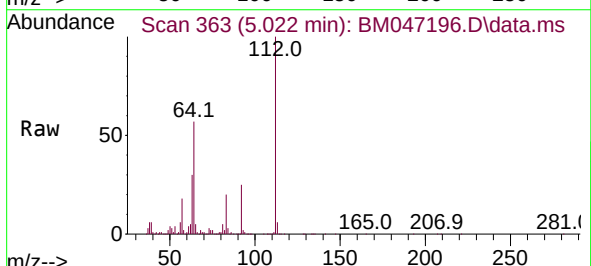
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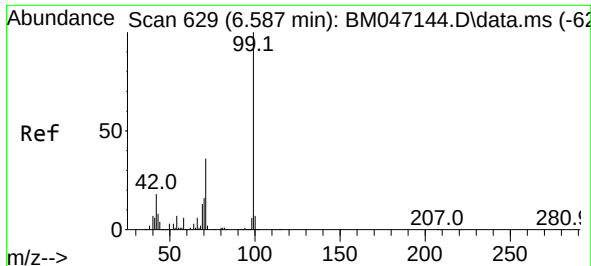
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#5
2-Fluorophenol
Concen: 74.009 ng
RT: 5.022 min Scan# 363
Delta R.T. -0.000 min
Lab File: BM047196.D
Acq: 14 Aug 2024 18:11

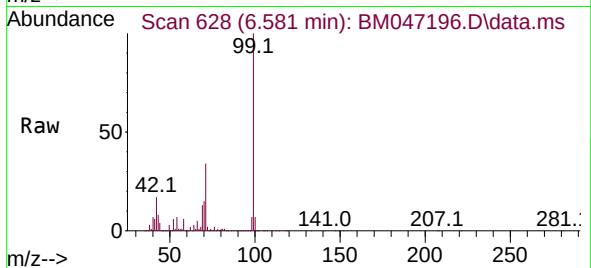
Tgt Ion:112 Resp: 1500688
Ion Ratio Lower Upper
112 100
64 57.3 46.7 70.1
63 30.0 24.8 37.2





#7
Phenol-d6
Concen: 71.878 ng
RT: 6.581 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM047196.D
Acq: 14 Aug 2024 18:11

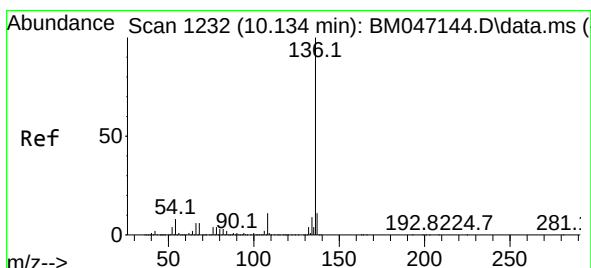
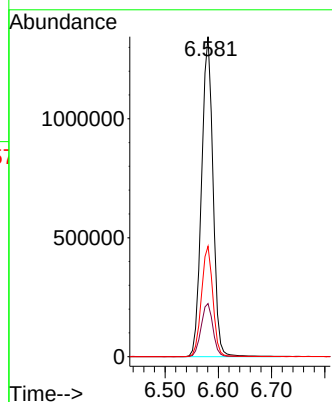
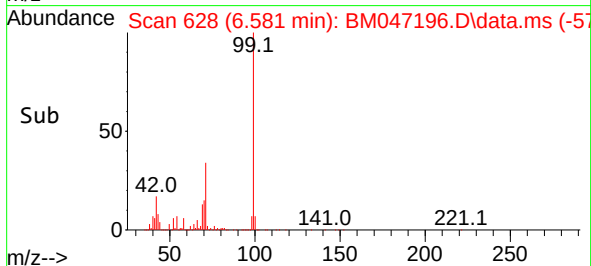
Instrument :
BNA_M
ClientSampleId :
OU4-TS-18-080724



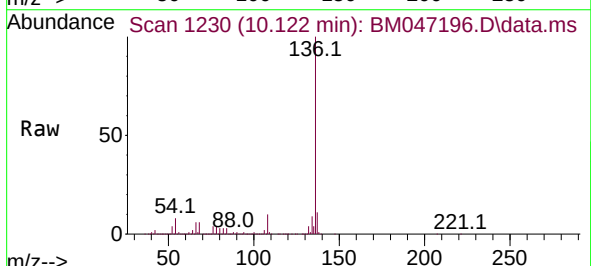
Tgt Ion: 99 Resp: 200826
Ion Ratio Lower Upper
99 100
42 16.6 14.1 21.1
71 34.5 28.5 42.7

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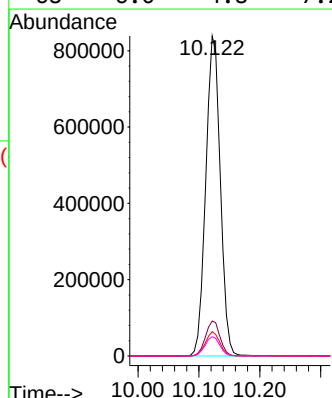
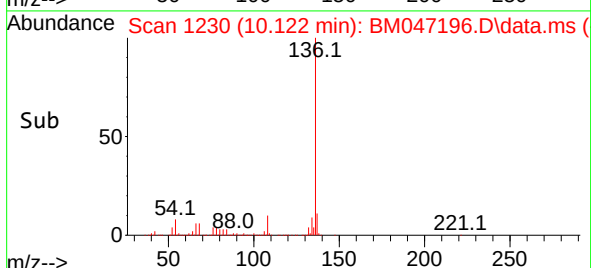
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

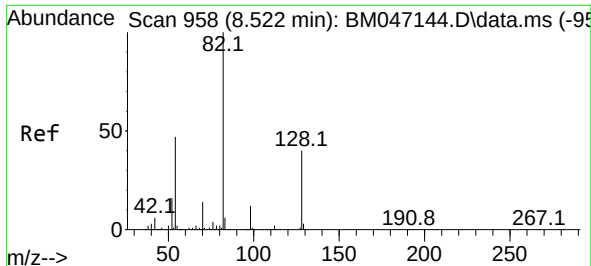


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.122 min Scan# 1230
Delta R.T. -0.012 min
Lab File: BM047196.D
Acq: 14 Aug 2024 18:11



Tgt Ion:136 Resp: 1389579
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.6 6.0 9.0
68 6.0 4.8 7.2





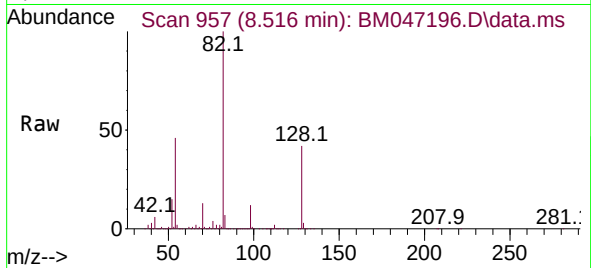
#23
Nitrobenzene-d5
Concen: 48.464 ng
RT: 8.516 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM047196.D
Acq: 14 Aug 2024 18:11

Instrument :

BNA_M

ClientSampleId :

OU4-TS-18-080724



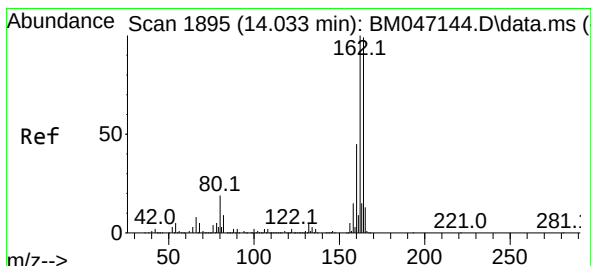
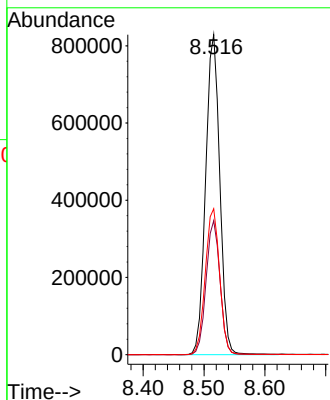
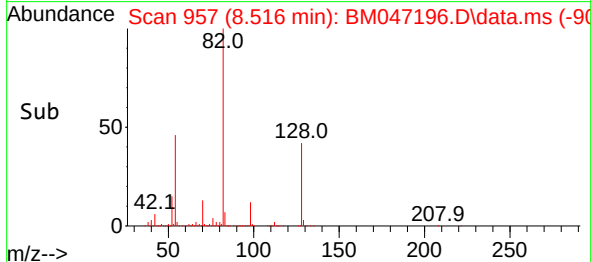
Tgt Ion: 82 Resp: 133745
Ion Ratio Lower Upper
82 100
128 41.9 32.3 48.5
54 45.6 37.4 56.2

Manual Integrations

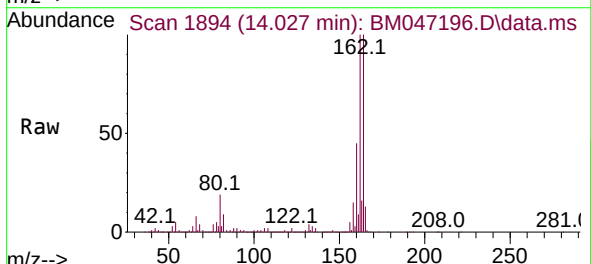
APPROVED

Reviewed By :Yogesh Patel 08/15/2024

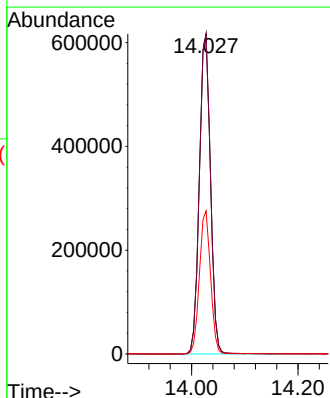
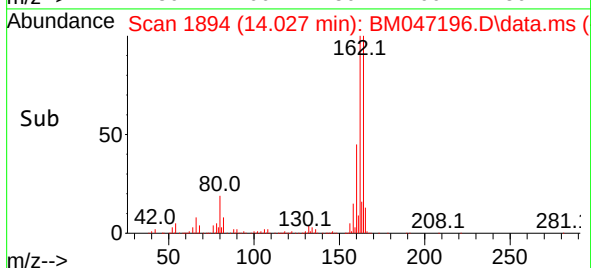
Supervised By :mohammad ahmed 08/16/2024

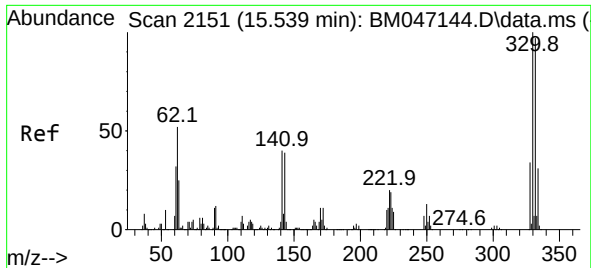


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.027 min Scan# 1894
Delta R.T. -0.006 min
Lab File: BM047196.D
Acq: 14 Aug 2024 18:11



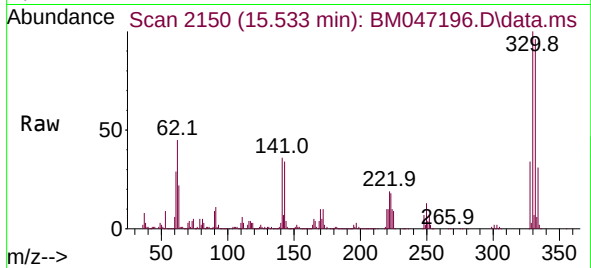
Tgt Ion:164 Resp: 892726
Ion Ratio Lower Upper
164 100
162 99.9 80.7 121.1
160 44.7 36.0 54.0





#42
2,4,6-Tribromophenol
Concen: 74.229 ng
RT: 15.533 min Scan# 2151
Delta R.T. -0.006 min
Lab File: BM047196.D
Acq: 14 Aug 2024 18:11

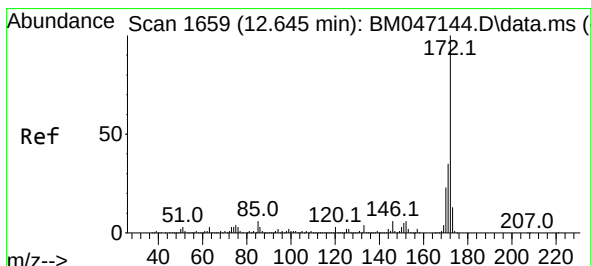
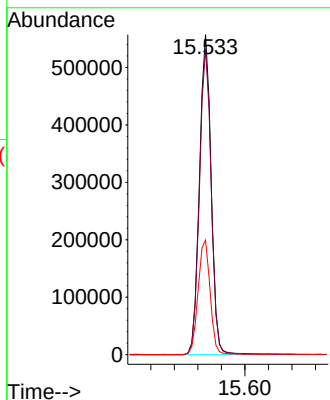
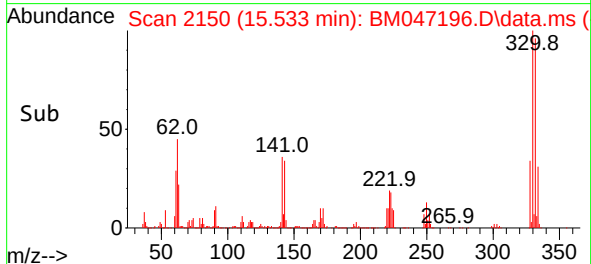
Instrument :
BNA_M
ClientSampleId :
OU4-TS-18-080724



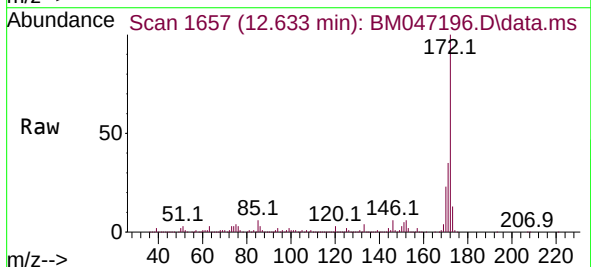
Tgt Ion:330 Resp: 768362
Ion Ratio Lower Upper
330 100
332 95.9 77.4 116.2
141 36.8 31.6 47.4

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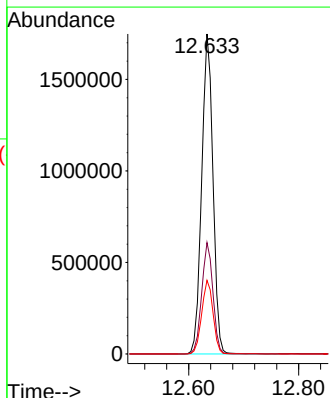
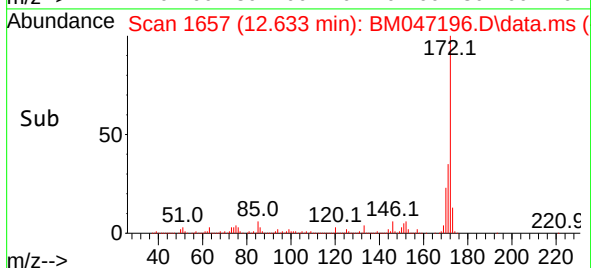
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

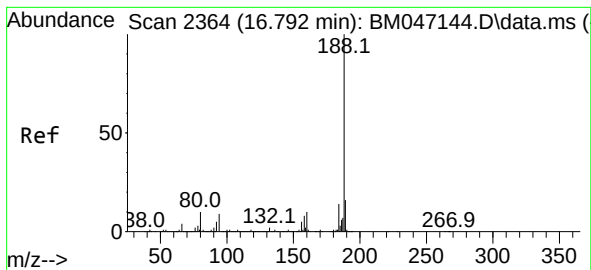


#45
2-Fluorobiphenyl
Concen: 43.043 ng
RT: 12.633 min Scan# 1657
Delta R.T. -0.012 min
Lab File: BM047196.D
Acq: 14 Aug 2024 18:11



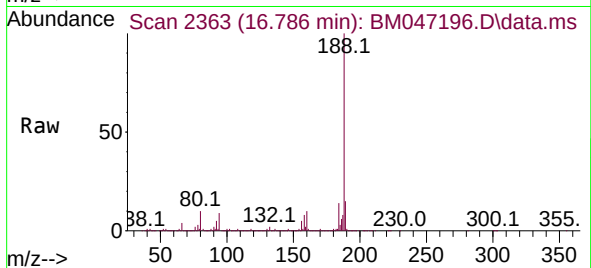
Tgt Ion:172 Resp: 2491070
Ion Ratio Lower Upper
172 100
171 34.8 27.8 41.6
170 23.0 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.786 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047196.D
Acq: 14 Aug 2024 18:11

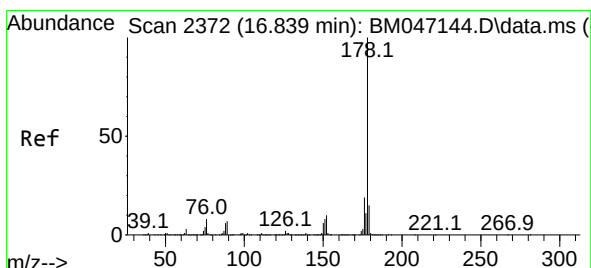
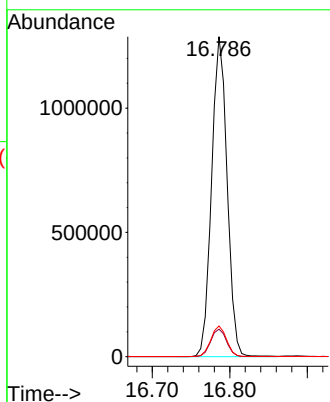
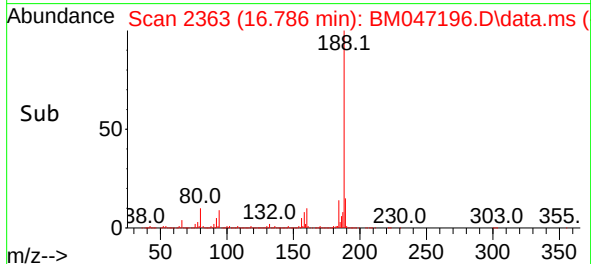
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BNA_M
ClientSampleId :
OU4-TS-18-080724



Tgt Ion:188 Resp: 178820
Ion Ratio Lower Upper
188 100
94 8.6 7.0 10.6
80 9.6 8.0 12.0

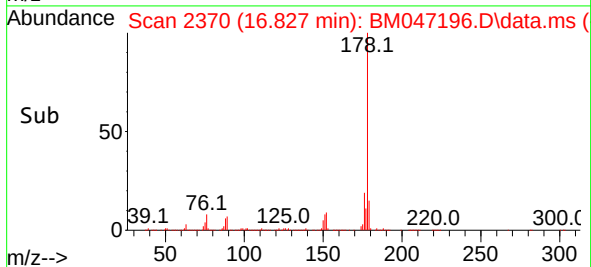
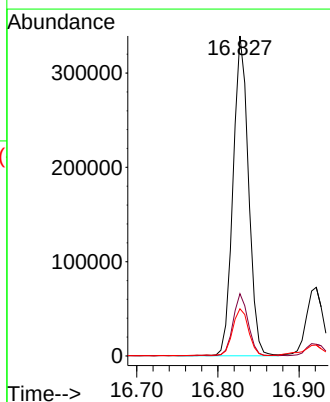
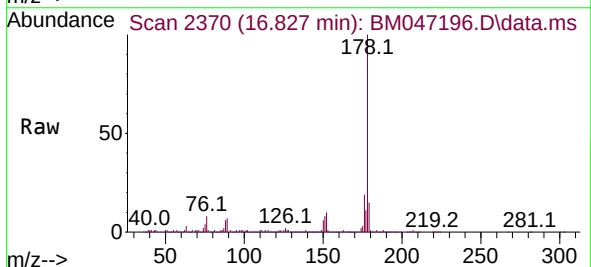
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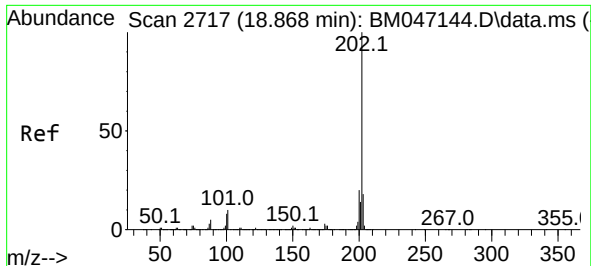
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#71
Phenanthrene
Concen: 4.982 ng
RT: 16.827 min Scan# 2370
Delta R.T. -0.012 min
Lab File: BM047196.D
Acq: 14 Aug 2024 18:11

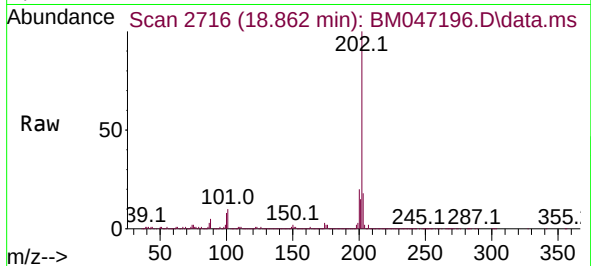
Tgt Ion:178 Resp: 447116
Ion Ratio Lower Upper
178 100
176 19.5 15.3 22.9
179 14.7 12.4 18.6





#75
Fluoranthene
Concen: 8.909 ng
RT: 18.862 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047196.D
Acq: 14 Aug 2024 18:11

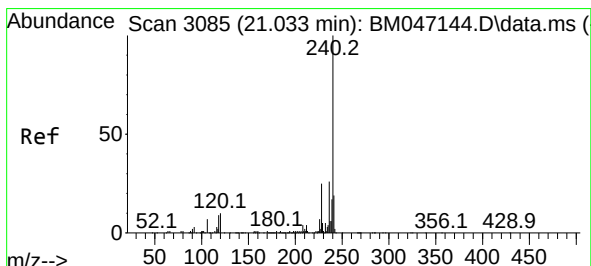
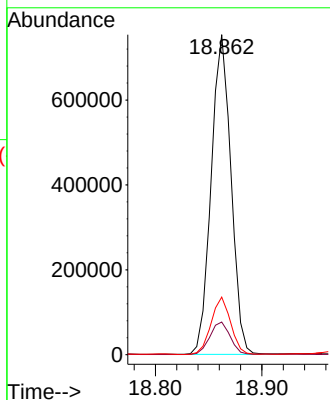
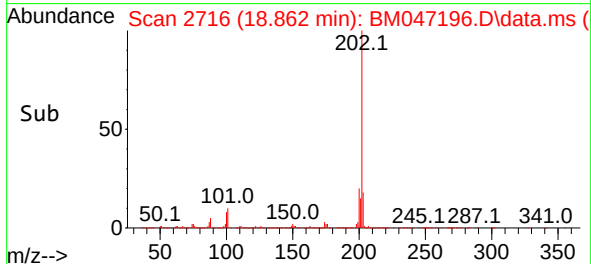
Instrument :
BNA_M
ClientSampleId :
OU4-TS-18-080724



Tgt Ion:202 Resp: 972494
Ion Ratio Lower Upper
202 100
101 10.2 0.0 30.2
203 18.0 0.0 37.6

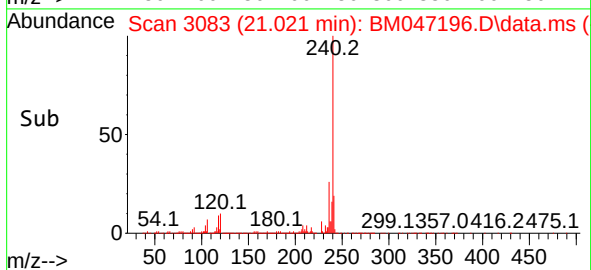
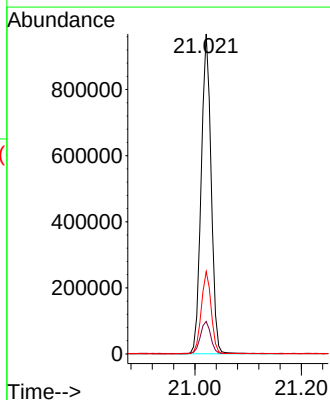
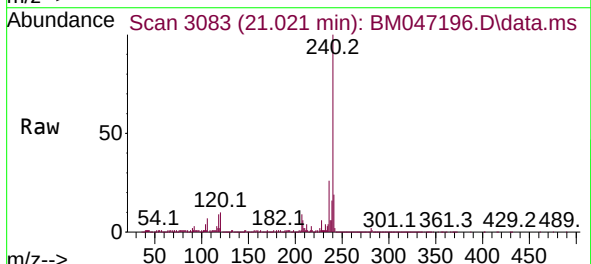
Manual Integrations
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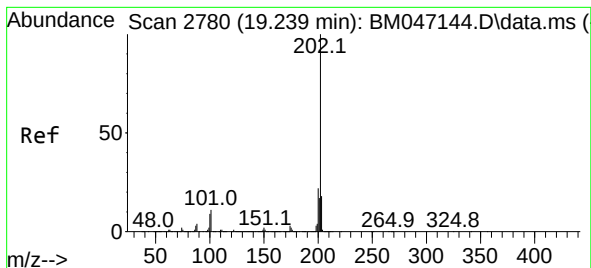
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.021 min Scan# 3083
Delta R.T. -0.012 min
Lab File: BM047196.D
Acq: 14 Aug 2024 18:11

Tgt Ion:240 Resp: 1251237
Ion Ratio Lower Upper
240 100
120 10.2 8.2 12.2
236 25.8 20.6 30.8





#78

Pyrene

Concen: 9.344 ng

RT: 19.227 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM047196.D

Acq: 14 Aug 2024 18:11

Instrument :

BNA_M

ClientSampleId :

OU4-TS-18-080724

Tgt Ion:202 Resp: 83481

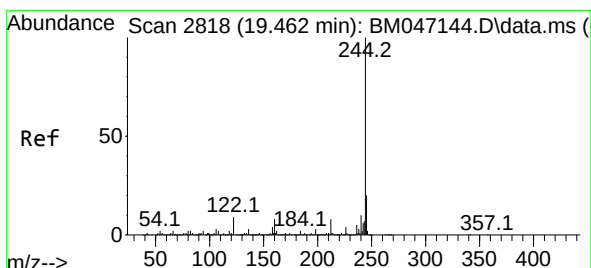
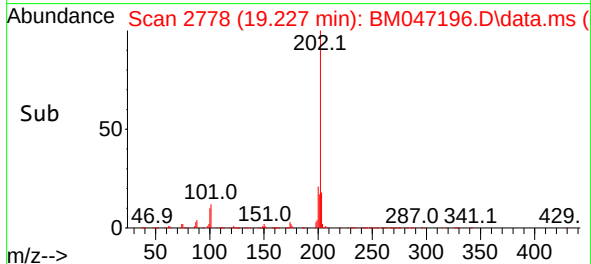
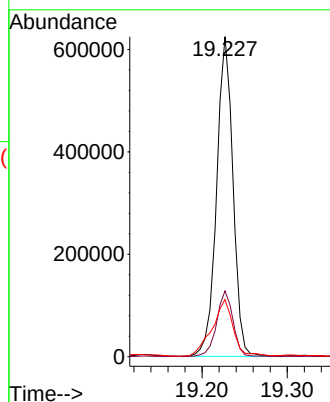
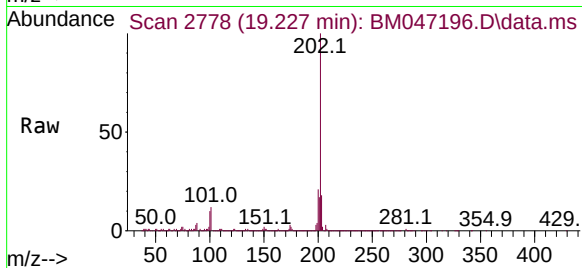
Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.2	25.8
203	17.8	14.2	21.2

Manual Integrations

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Reviewed By :Yogesh Patel 08/15/2024

Supervised By :mohammad ahmed 08/16/2024



#79

Terphenyl-d14

Concen: 52.789 ng

RT: 19.450 min Scan# 2816

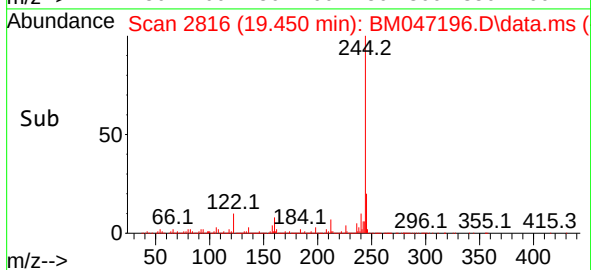
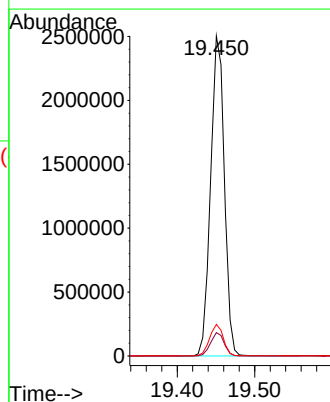
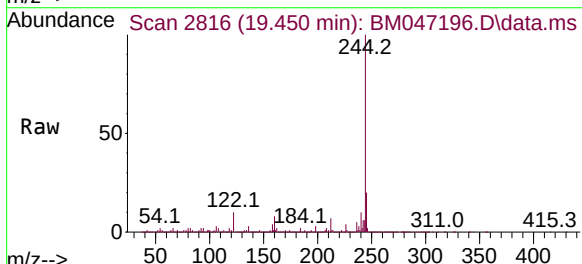
Delta R.T. -0.012 min

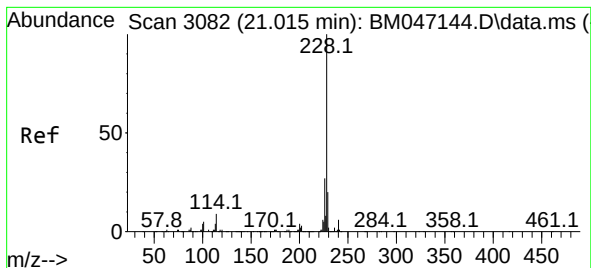
Lab File: BM047196.D

Acq: 14 Aug 2024 18:11

Tgt Ion:244 Resp: 3082565

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.2	9.4
122	9.9	7.1	10.7





#81

Benzo(a)anthracene

Concen: 4.579 ng

RT: 21.003 min Scan# 3082

Delta R.T. -0.012 min

Lab File: BM047196.D

Acq: 14 Aug 2024 18:11

Instrument :

BNA_M

ClientSampleId :

OU4-TS-18-080724

Tgt Ion:228 Resp: 380328

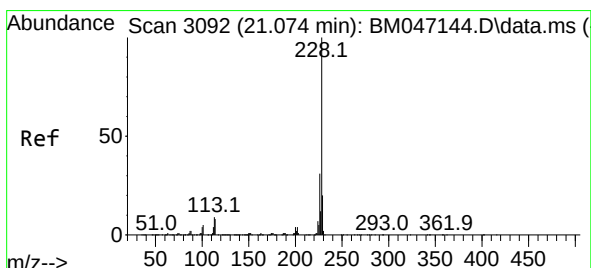
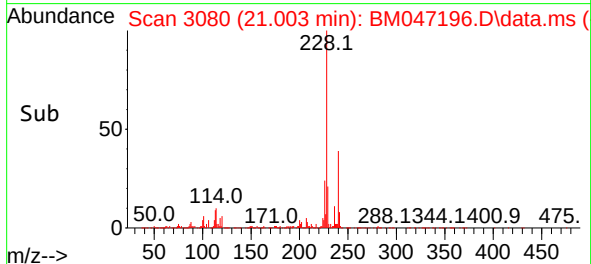
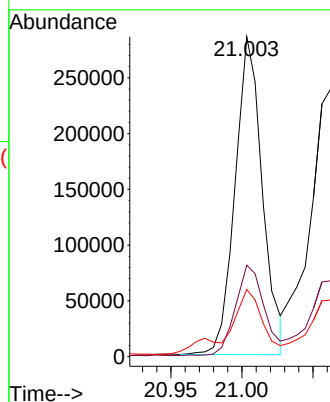
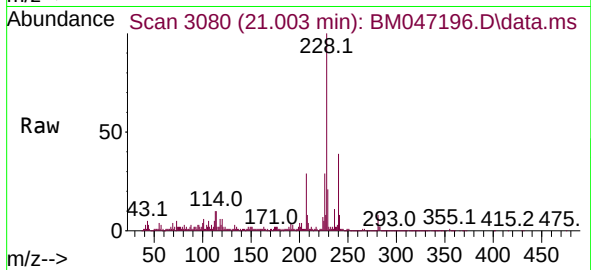
Ion	Ratio	Lower	Upper
228	100		
226	28.6	21.8	32.6
229	21.0	15.8	23.8

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Reviewed By :Yogesh Patel 08/15/2024

Supervised By :mohammad ahmed 08/16/2024



#83

Chrysene

Concen: 4.705 ng

RT: 21.062 min Scan# 3090

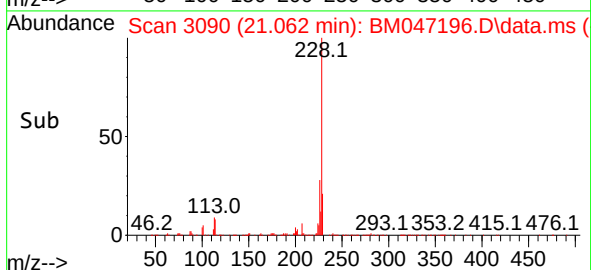
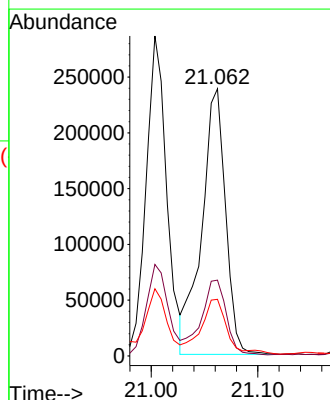
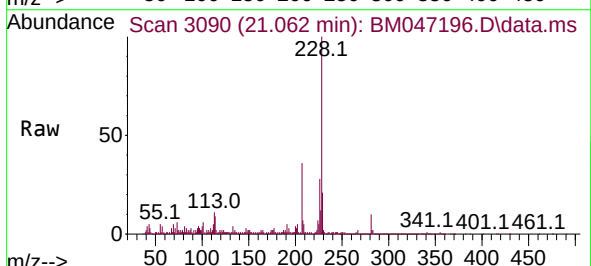
Delta R.T. -0.012 min

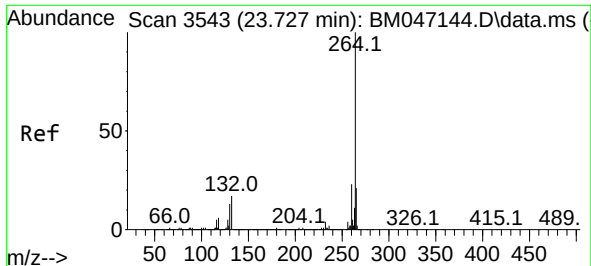
Lab File: BM047196.D

Acq: 14 Aug 2024 18:11

Tgt Ion:228 Resp: 370812

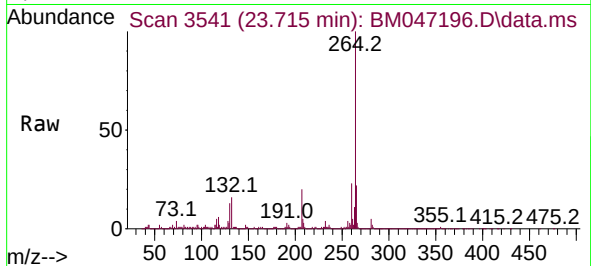
Ion	Ratio	Lower	Upper
228	100		
226	28.4	24.4	36.6
229	21.2	15.7	23.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.715 min Scan# 31
 Delta R.T. -0.012 min
 Lab File: BM047196.D
 Acq: 14 Aug 2024 18:11

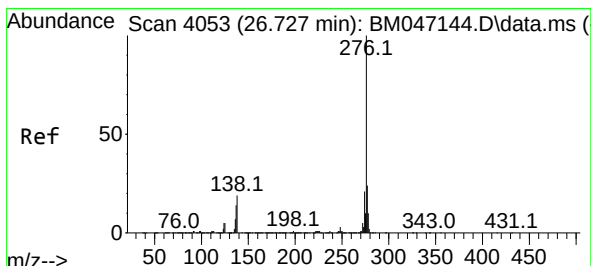
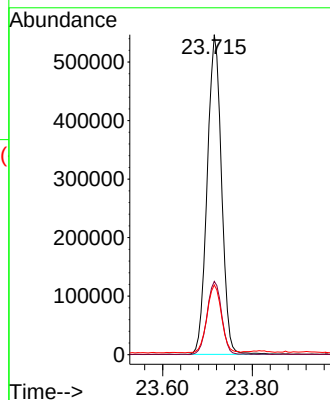
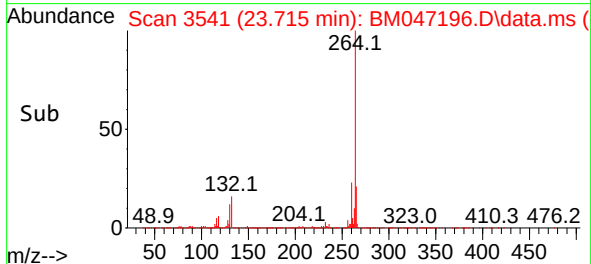
Instrument :
 BNA_M
 ClientSampleId :
 OU4-TS-18-080724



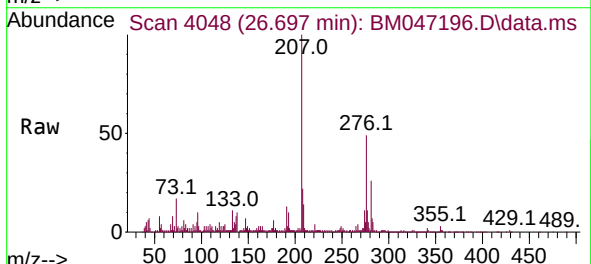
Tgt Ion:264 Resp: 1209330
 Ion Ratio Lower Upper
 264 100
 260 22.9 18.5 27.7
 265 21.8 17.3 25.9

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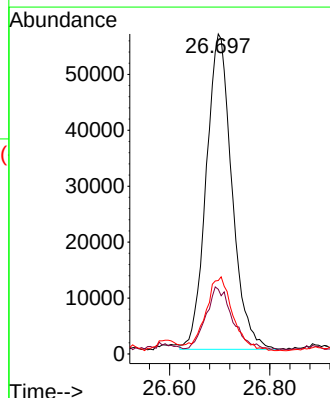
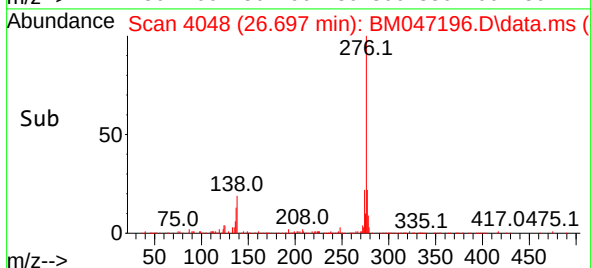
Reviewed By :Yogesh Patel 08/15/2024
 Supervised By :mohammad ahmed 08/16/2024

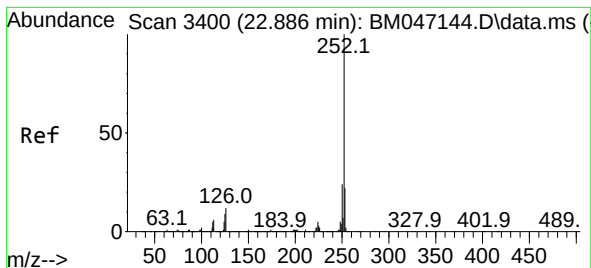


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.565 ng
 RT: 26.697 min Scan# 4048
 Delta R.T. -0.030 min
 Lab File: BM047196.D
 Acq: 14 Aug 2024 18:11



Tgt Ion:276 Resp: 200526
 Ion Ratio Lower Upper
 276 100
 138 20.7 19.4 29.0
 277 24.6 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 6.075 ng

RT: 22.874 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM047196.D

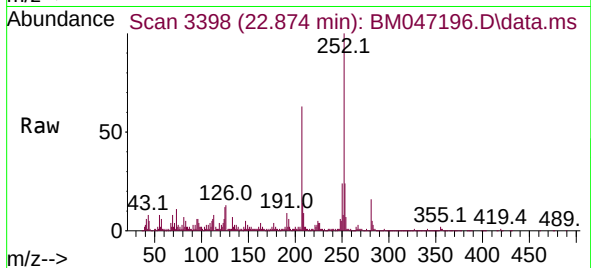
Acq: 14 Aug 2024 18:11

Instrument :

BNA_M

ClientSampleId :

OU4-TS-18-080724



Tgt Ion:252 Resp: 43629

Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.6

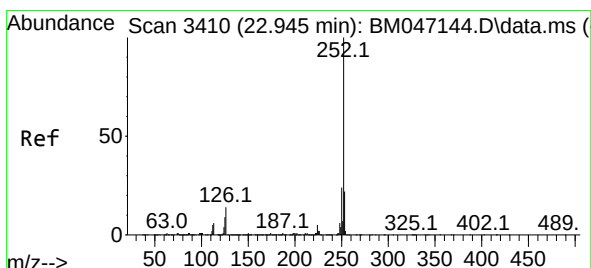
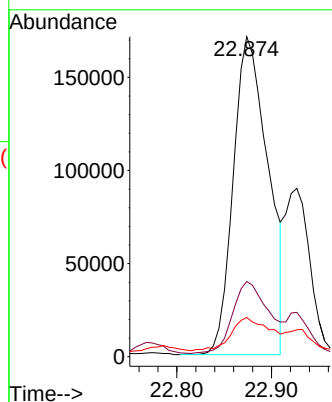
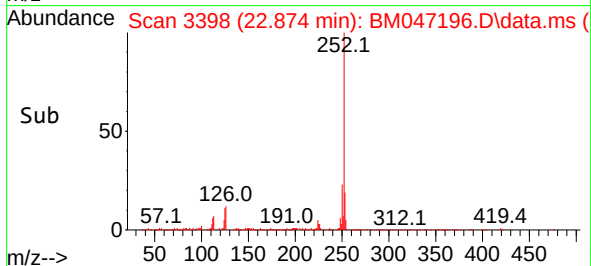
125 12.2 7.4 11.0

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Reviewed By :Yogesh Patel 08/15/2024

Supervised By :mohammad ahmed 08/16/2024



#89

Benzo(k)fluoranthene

Concen: 2.409 ng m

RT: 22.927 min Scan# 3407

Delta R.T. -0.018 min

Lab File: BM047196.D

Acq: 14 Aug 2024 18:11

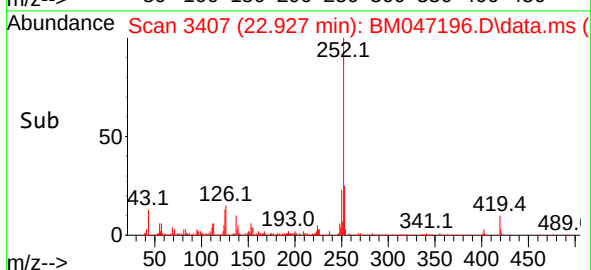
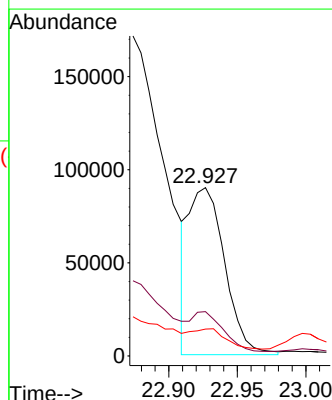
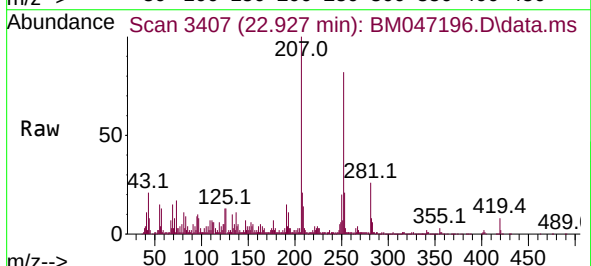
Tgt Ion:252 Resp: 163409

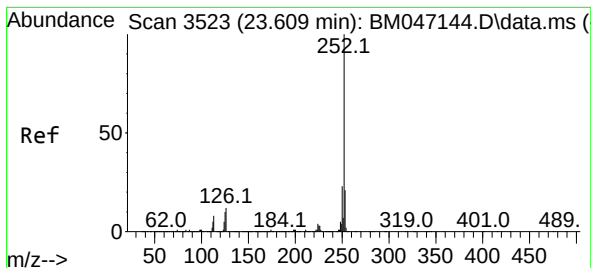
Ion Ratio Lower Upper

252 100

253 26.3 17.7 26.5

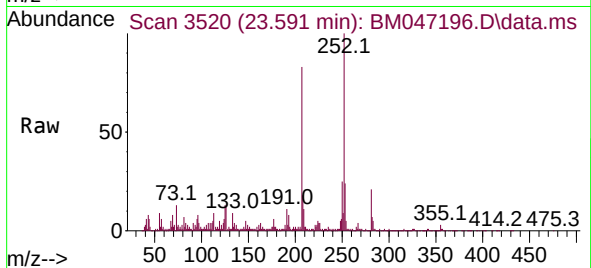
125 16.0 7.4 11.2





#90
Benzo(a)pyrene
Concen: 4.744 ng
RT: 23.591 min Scan# 31
Delta R.T. -0.018 min
Lab File: BM047196.D
Acq: 14 Aug 2024 18:11

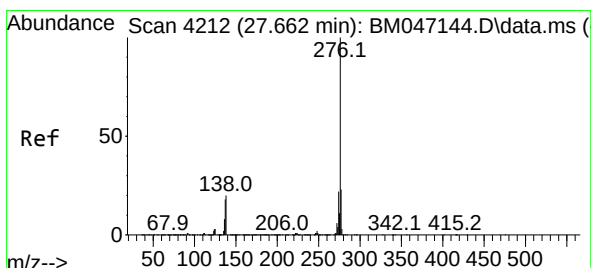
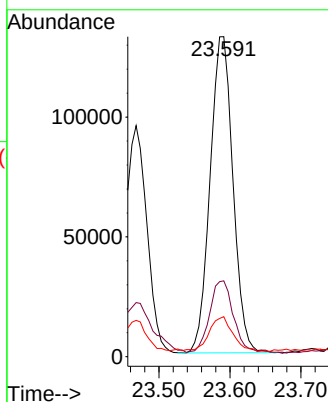
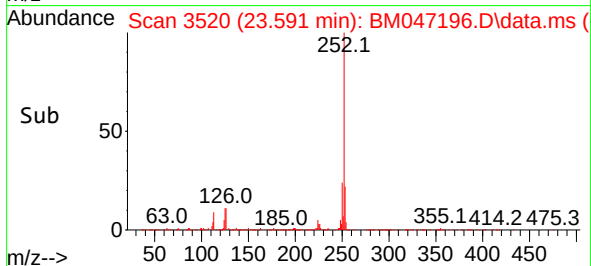
Instrument :
BNA_M
ClientSampleId :
OU4-TS-18-080724



Tgt Ion:252 Resp: 295139
Ion Ratio Lower Upper
252 100
253 23.7 17.1 25.7
125 12.5 8.2 12.2

Manual Integrations
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Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#92
Benzo(g,h,i)perylene
Concen: 2.932 ng
RT: 27.626 min Scan# 4206
Delta R.T. -0.035 min
Lab File: BM047196.D
Acq: 14 Aug 2024 18:11

Tgt Ion:276 Resp: 192554
Ion Ratio Lower Upper
276 100
277 24.5 18.8 28.2
138 22.5 16.2 24.4

