

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082124\
 Data File : BM047301.D
 Acq On : 21 Aug 2024 17:06
 Operator : RC/JU
 Sample : P3617-13
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 VCPS-B5-081424-10-14

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/22/2024
 Supervised By :mohammad ahmed 08/23/2024

Quant Time: Aug 21 17:58:31 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	7.351	152	210189	20.000	ng	-0.02
21) Naphthalene-d8	10.110	136	783871	20.000	ng	-0.02
39) Acenaphthene-d10	14.016	164	527098	20.000	ng	-0.02
64) Phenanthrene-d10	16.780	188	1155161	20.000	ng	-0.01
76) Chrysene-d12	21.015	240	1178349	20.000	ng	-0.02
86) Perylene-d12	23.709	264	1195751	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.010	112	1123115	95.477	ng	-0.01
7) Phenol-d6	6.569	99	1482764	91.480	ng	-0.02
23) Nitrobenzene-d5	8.498	82	988214	63.480	ng	-0.02
42) 2,4,6-Tribromophenol	15.521	330	674624	110.381	ng	-0.02
45) 2-Fluorobiphenyl	12.622	172	2062888	60.369	ng	-0.02
79) Terphenyl-d14	19.445	244	3182151	57.866	ng	-0.02
Target Compounds						
						Qvalue
35) Caprolactam	11.086	113	11553m	2.757	ng	
71) Phenanthrene	16.821	178	210958	3.639	ng	99
75) Fluoranthene	18.856	202	491862	6.975	ng	100
78) Pyrene	19.221	202	423371	5.032	ng	99
81) Benzo(a)anthracene	21.003	228	271208	3.467	ng	97
83) Chrysene	21.056	228	252479	3.402	ng	98
88) Benzo(b)fluoranthene	22.874	252	333328	4.694	ng	97
90) Benzo(a)pyrene	23.586	252	221868	3.607	ng	97
92) Benzo(g,h,i)perylene	27.627	276	133758	2.060	ng	96

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

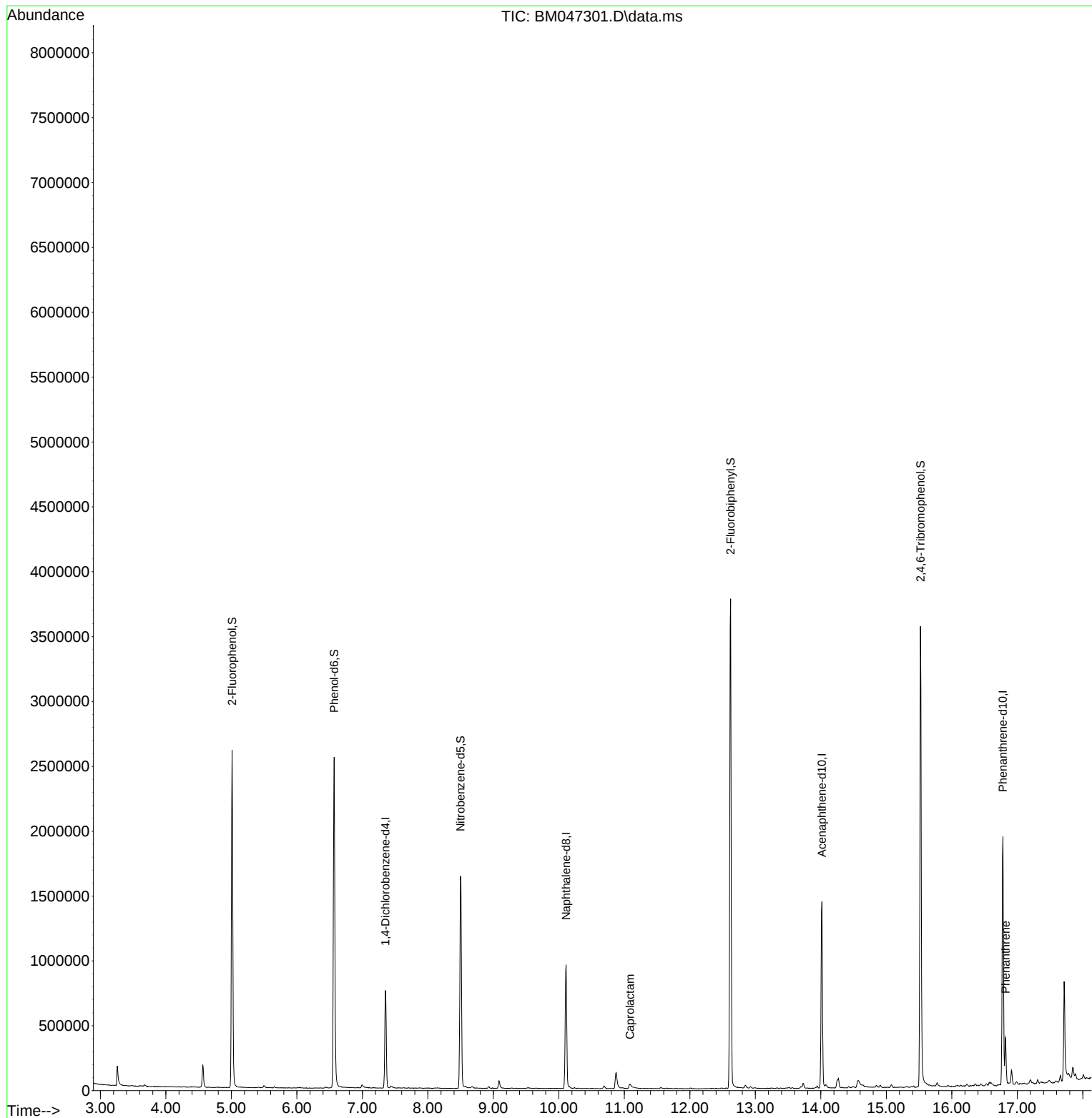
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082124\
Data File : BM047301.D
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
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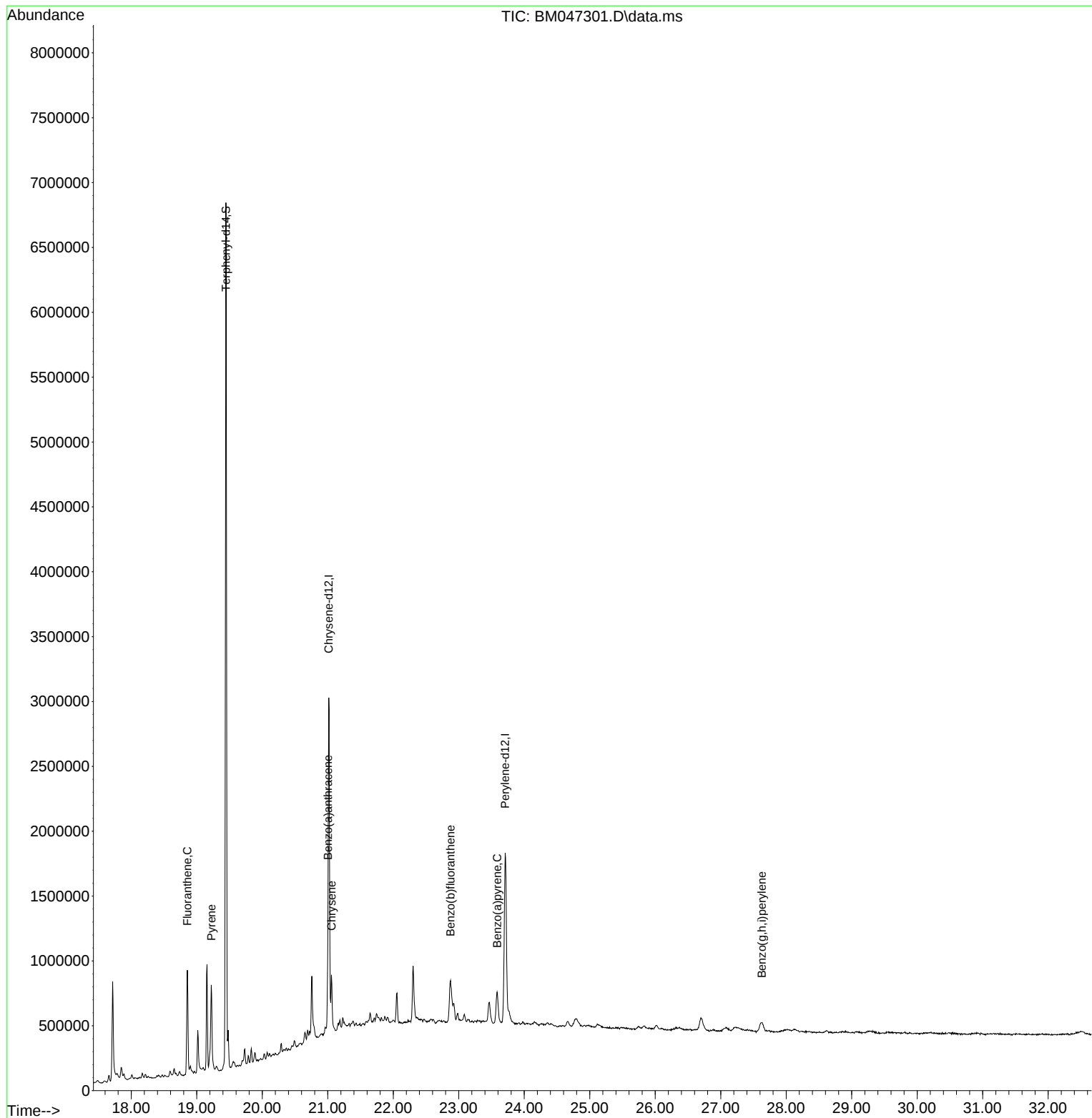
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Data File : BM047301.D
Acq On : 21 Aug 2024 17:06
Operator : RC/JU
Sample : P3617-13
Misc :
ALS Vial : 13 Sample Multiplier: 1

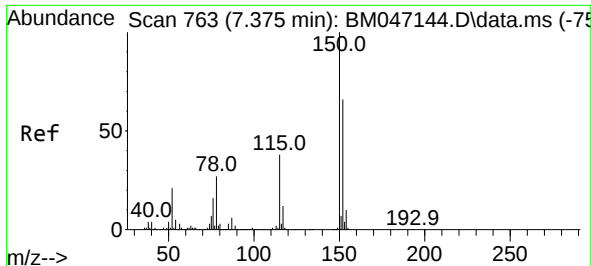
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BNA_M
ClientSampleId :
VCPS-B5-081424-10-14

Quant Time: Aug 21 17:58:31 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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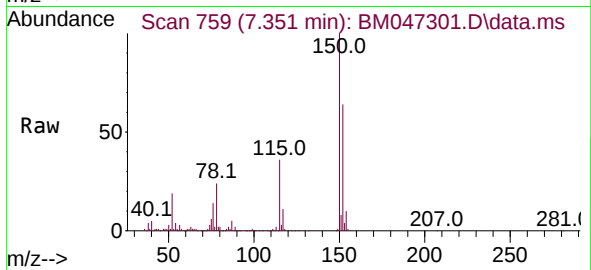
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/23/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.351 min Scan# 701
Delta R.T. -0.024 min
Lab File: BM047301.D
Acq: 21 Aug 2024 17:06

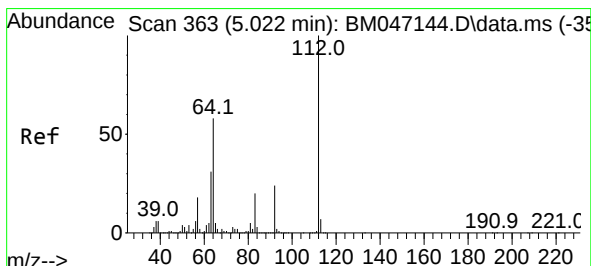
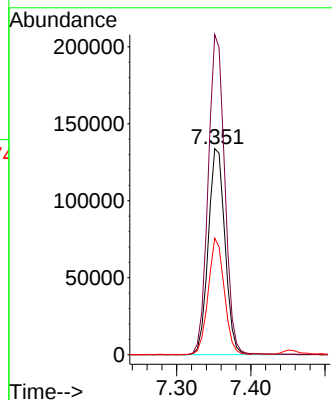
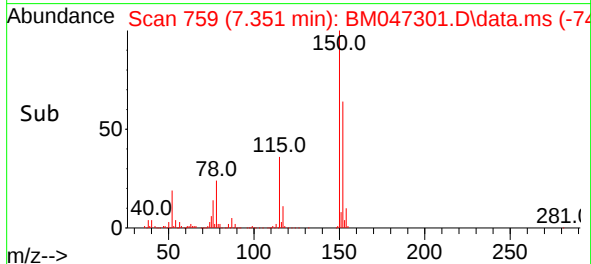
Instrument :
BNA_M
ClientSampleId :
VCPS-B5-081424-10-14



Tgt Ion:152 Resp: 210189
Ion Ratio Lower Upper
152 100
150 155.3 120.5 180.7
115 56.6 45.5 68.3

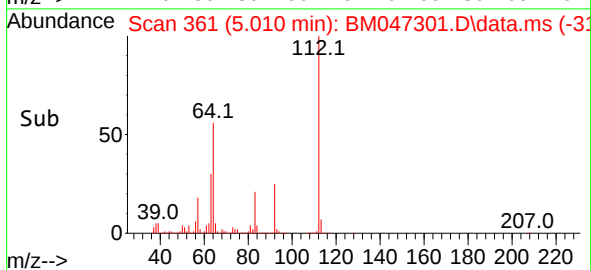
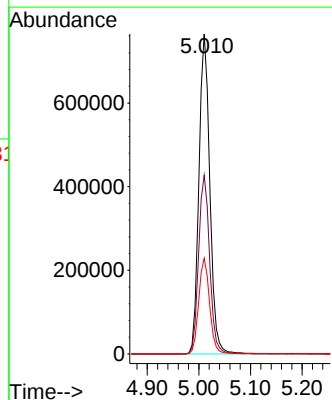
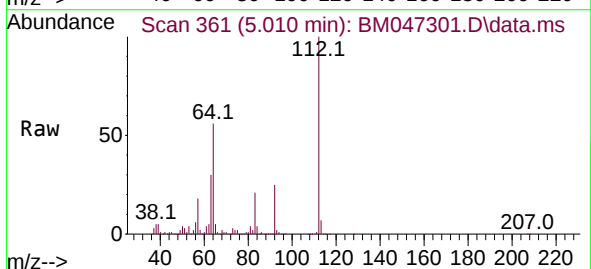
Manual Integrations
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#5
2-Fluorophenol
Concen: 95.477 ng
RT: 5.010 min Scan# 361
Delta R.T. -0.012 min
Lab File: BM047301.D
Acq: 21 Aug 2024 17:06

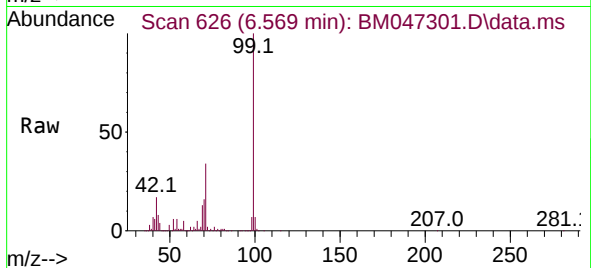
Tgt Ion:112 Resp: 1123115
Ion Ratio Lower Upper
112 100
64 55.9 46.7 70.1
63 29.9 24.8 37.2





#7
Phenol-d6
Concen: 91.480 ng
RT: 6.569 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM047301.D
Acq: 21 Aug 2024 17:06

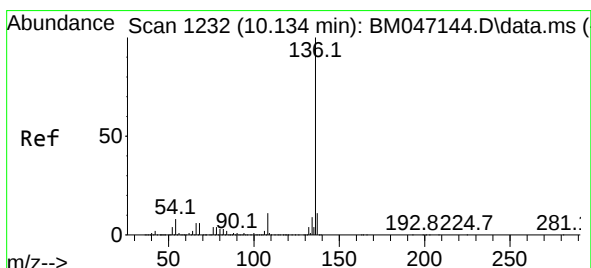
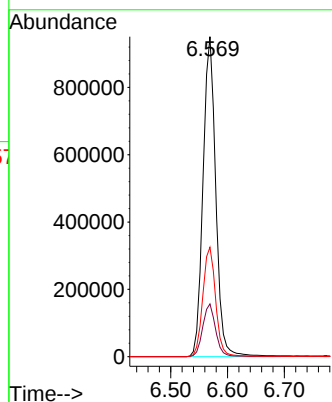
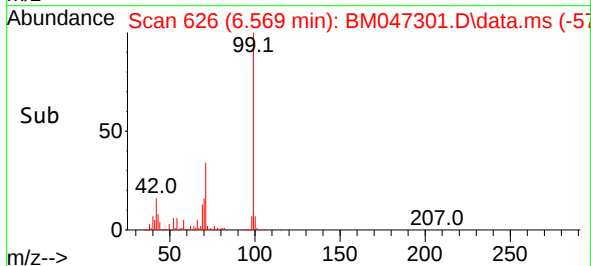
Instrument :
BNA_M
ClientSampleId :
VCPS-B5-081424-10-14



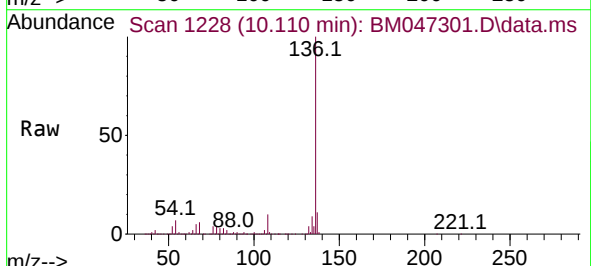
Tgt Ion: 99 Resp: 1482764
Ion Ratio Lower Upper
99 100
42 16.5 14.1 21.1
71 34.2 28.5 42.7

Manual Integrations
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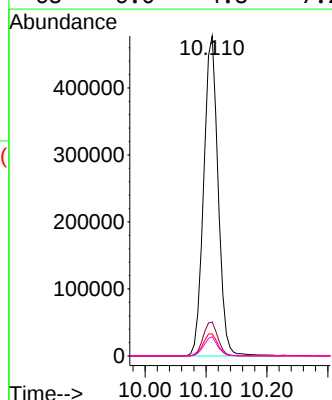
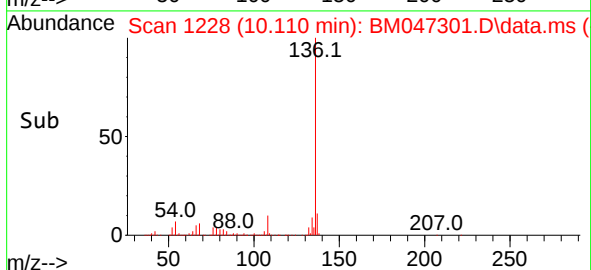
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/23/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.110 min Scan# 1228
Delta R.T. -0.024 min
Lab File: BM047301.D
Acq: 21 Aug 2024 17:06



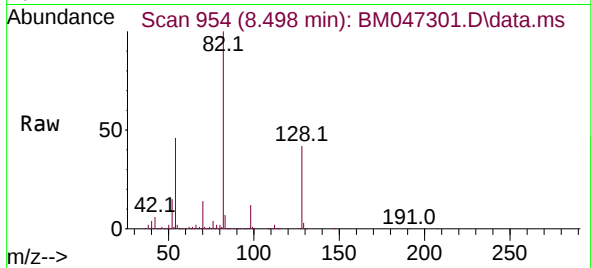
Tgt Ion:136 Resp: 783871
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 6.9 6.0 9.0
68 6.0 4.8 7.2





#23
Nitrobenzene-d5
Concen: 63.480 ng
RT: 8.498 min Scan# 91
Delta R.T. -0.024 min
Lab File: BM047301.D
Acq: 21 Aug 2024 17:06

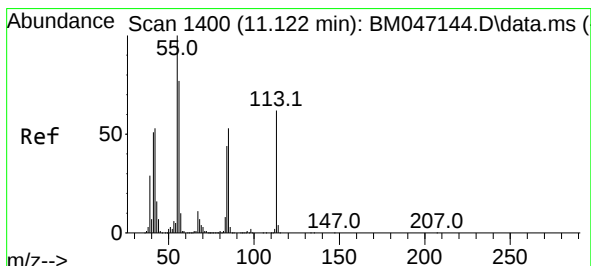
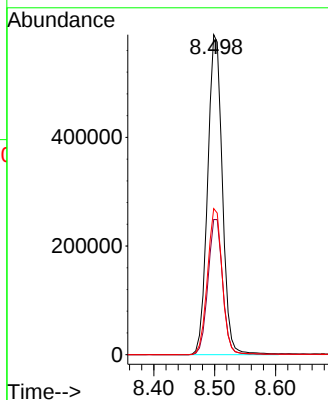
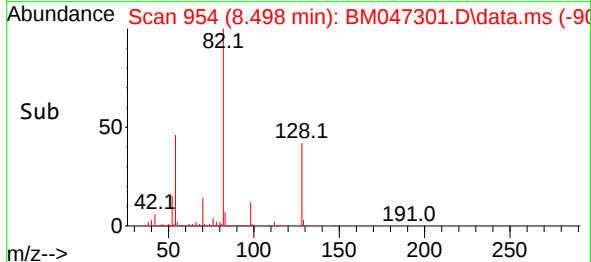
Instrument :
BNA_M
ClientSampleId :
VCPS-B5-081424-10-14



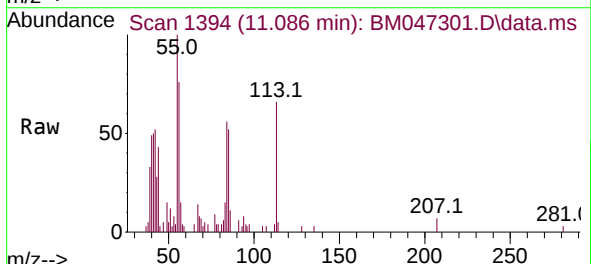
Tgt Ion: 82 Resp: 988214
Ion Ratio Lower Upper
82 100
128 42.3 32.3 48.5
54 45.7 37.4 56.2

Manual Integrations
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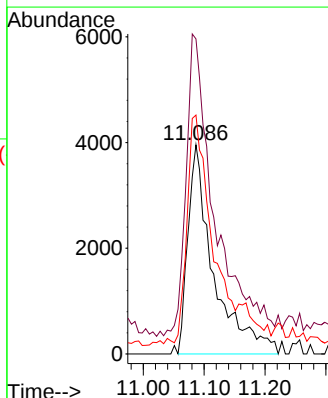
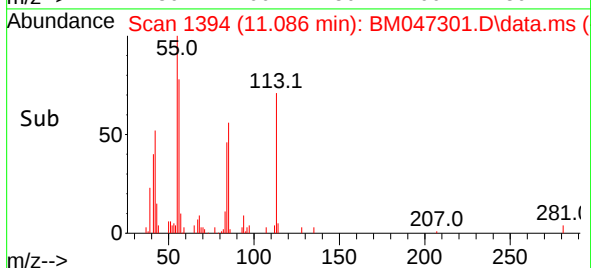
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/23/2024

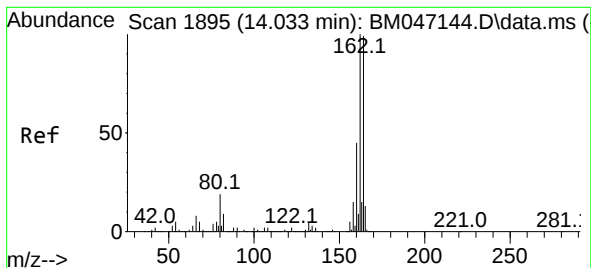


#35
Caprolactam
Concen: 2.757 ng m
RT: 11.086 min Scan# 1394
Delta R.T. -0.035 min
Lab File: BM047301.D
Acq: 21 Aug 2024 17:06



Tgt Ion:113 Resp: 11553
Ion Ratio Lower Upper
113 100
55 150.7 140.5 180.5
56 114.3 103.6 143.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.016 min Scan# 11

Delta R.T. -0.018 min

Lab File: BM047301.D

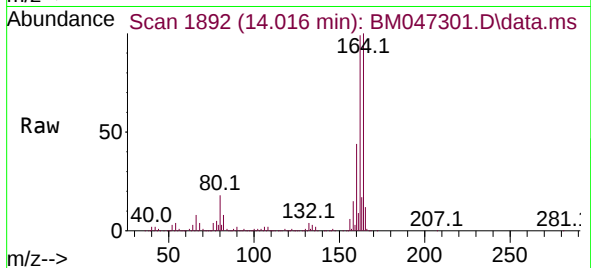
Acq: 21 Aug 2024 17:06

Instrument :

BNA_M

ClientSampleId :

VCPS-B5-081424-10-14



Tgt Ion:164 Resp: 527098

Ion Ratio Lower Upper

164 100

162 98.6 80.7 121.1

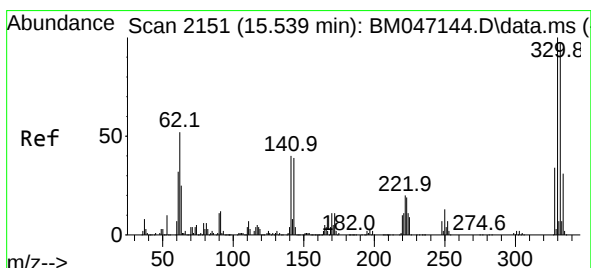
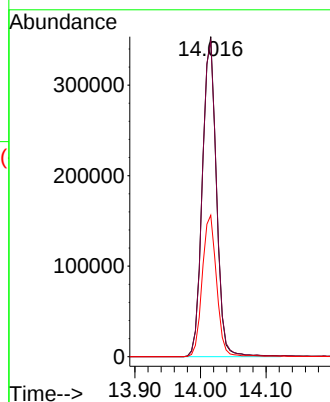
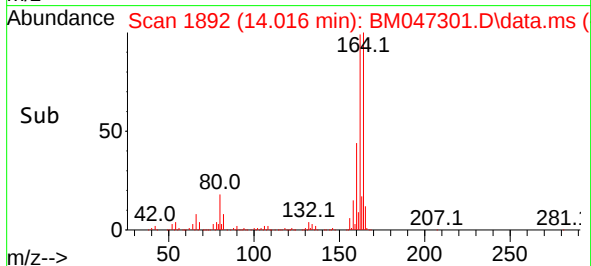
160 44.2 36.0 54.0

Manual Integrations

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Supervised By :mohammad ahmed 08/23/2024



#42

2,4,6-Tribromophenol

Concen: 110.381 ng

RT: 15.521 min Scan# 2148

Delta R.T. -0.018 min

Lab File: BM047301.D

Acq: 21 Aug 2024 17:06

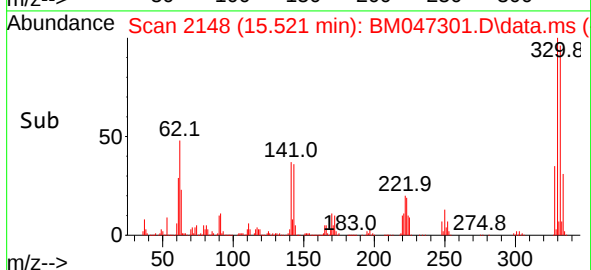
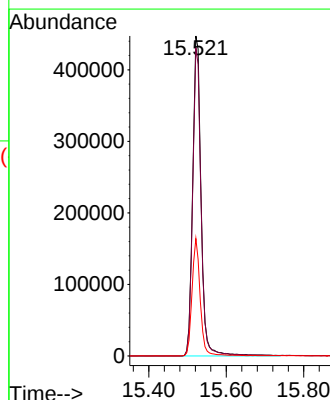
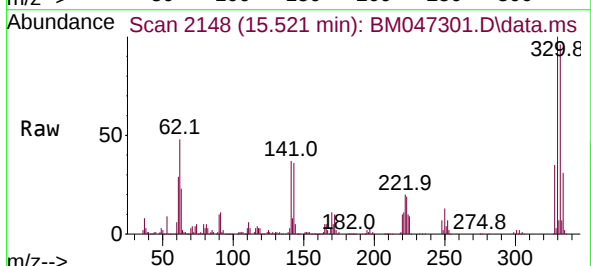
Tgt Ion:330 Resp: 674624

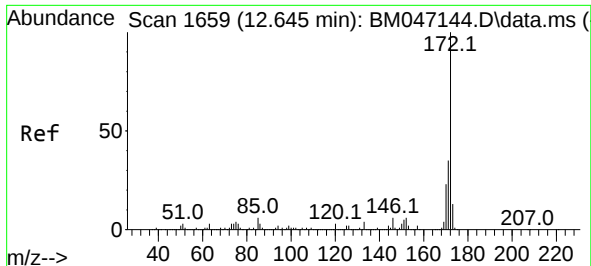
Ion Ratio Lower Upper

330 100

332 96.2 77.4 116.2

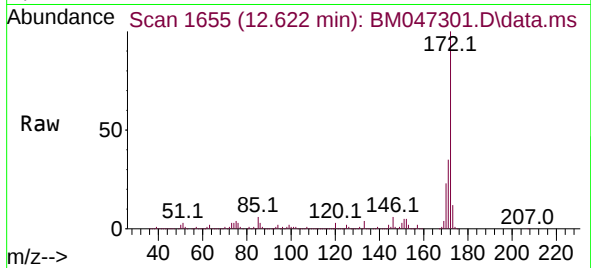
141 35.8 31.6 47.4





#45
2-Fluorobiphenyl
Concen: 60.369 ng
RT: 12.622 min Scan# 1655
Delta R.T. -0.023 min
Lab File: BM047301.D
Acq: 21 Aug 2024 17:06

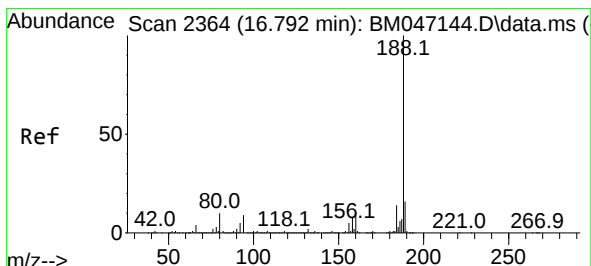
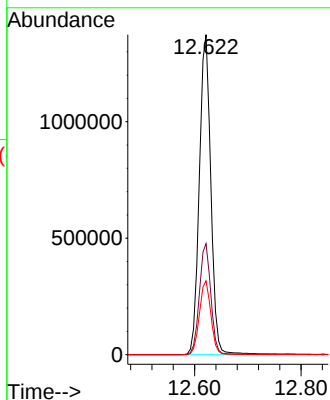
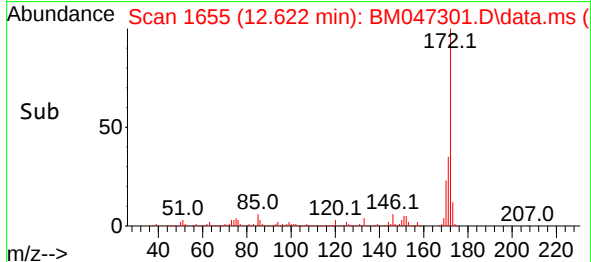
Instrument :
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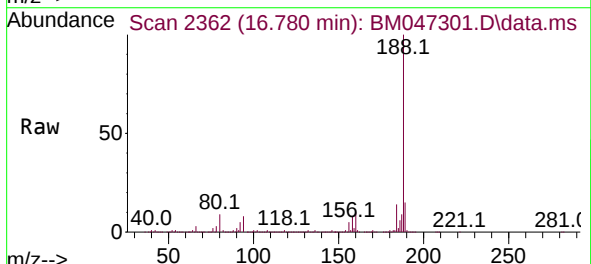
Tgt Ion:172 Resp: 206288
Ion Ratio Lower Upper
172 100
171 34.7 27.8 41.6
170 23.1 18.7 28.1

Manual Integrations
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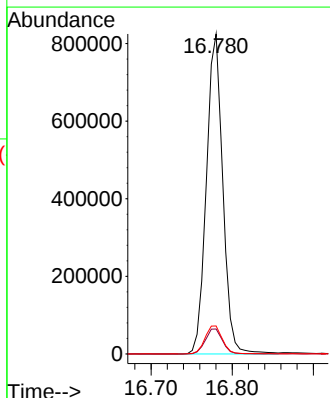
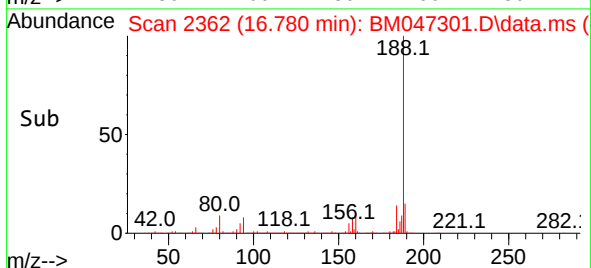
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Supervised By :mohammad ahmed 08/23/2024

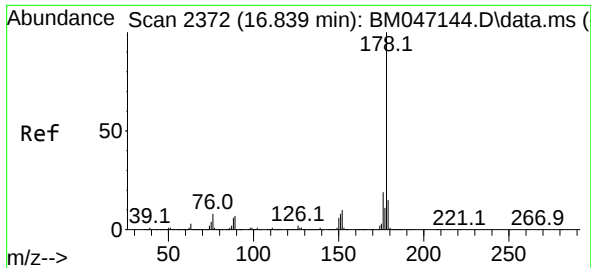


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.780 min Scan# 2362
Delta R.T. -0.012 min
Lab File: BM047301.D
Acq: 21 Aug 2024 17:06



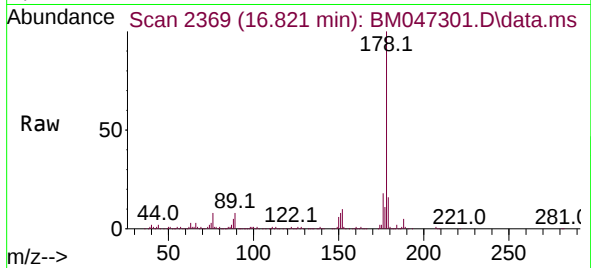
Tgt Ion:188 Resp: 1155161
Ion Ratio Lower Upper
188 100
94 7.8 7.0 10.6
80 8.8 8.0 12.0





#71
Phenanthrene
Concen: 3.639 ng
RT: 16.821 min Scan# 210958
Delta R.T. -0.018 min
Lab File: BM047301.D
Acq: 21 Aug 2024 17:06

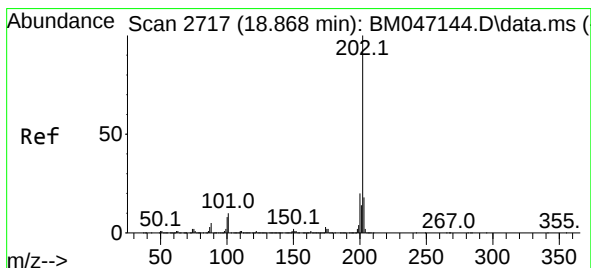
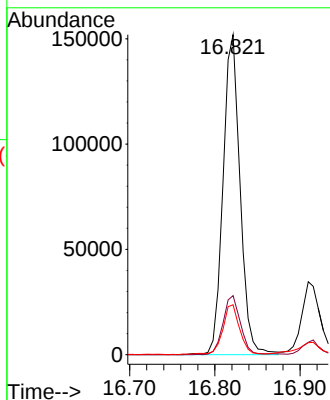
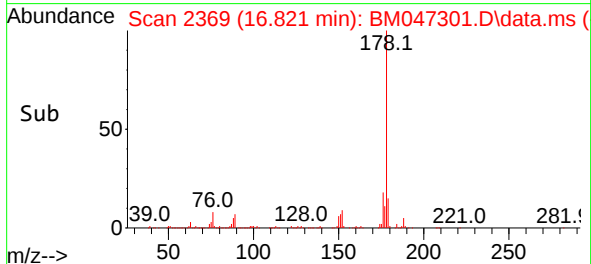
Instrument :
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ClientSampleId :
VCPS-B5-081424-10-14



Tgt Ion:178 Resp: 210958
Ion Ratio Lower Upper
178 100
176 18.5 15.3 22.9
179 15.6 12.4 18.6

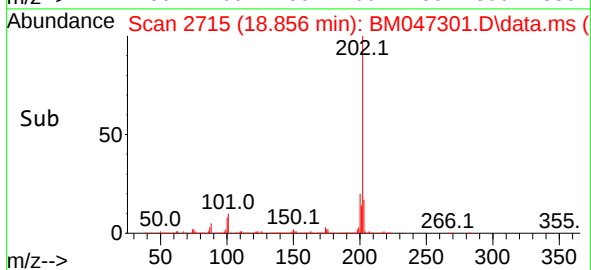
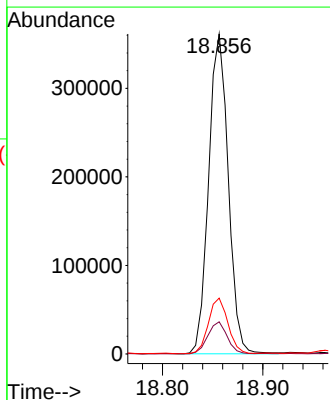
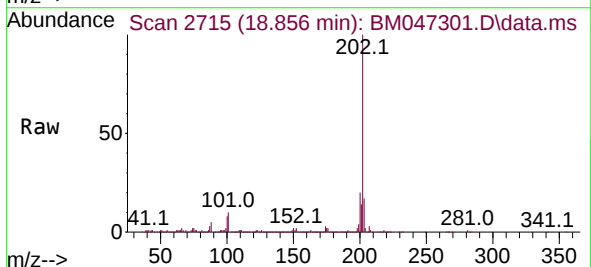
Manual Integrations
APPROVED

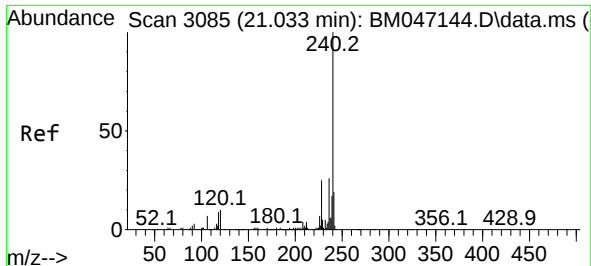
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/23/2024



#75
Fluoranthene
Concen: 6.975 ng
RT: 18.856 min Scan# 2715
Delta R.T. -0.012 min
Lab File: BM047301.D
Acq: 21 Aug 2024 17:06

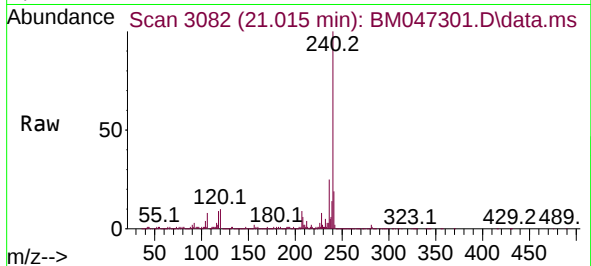
Tgt Ion:202 Resp: 491862
Ion Ratio Lower Upper
202 100
101 10.1 0.0 30.2
203 17.5 0.0 37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.015 min Scan# 3085
Delta R.T. -0.018 min
Lab File: BM047301.D
Acq: 21 Aug 2024 17:06

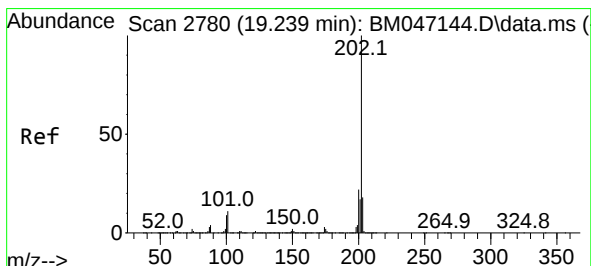
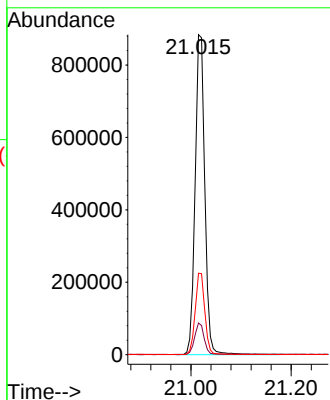
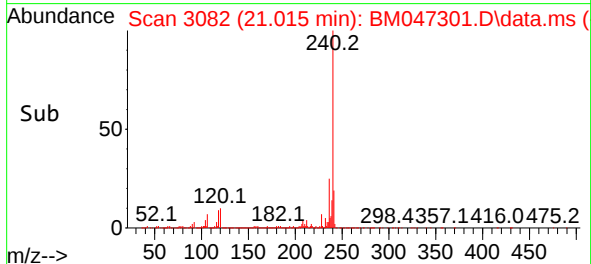
Instrument :
BNA_M
ClientSampleId :
VCPS-B5-081424-10-14



Tgt Ion:240 Resp: 1178349
Ion Ratio Lower Upper
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120 9.9 8.2 12.2
236 25.4 20.6 30.8

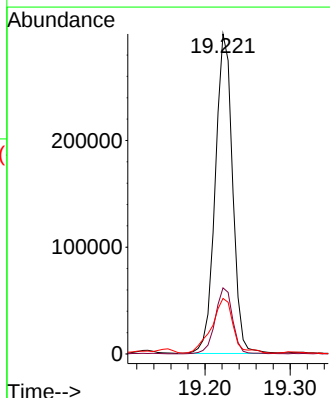
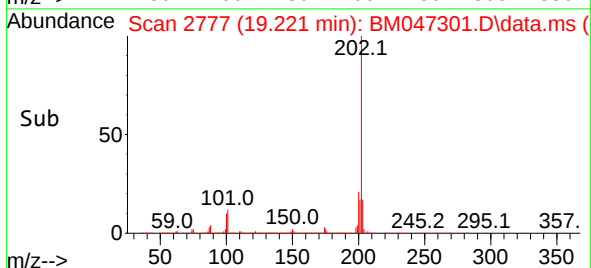
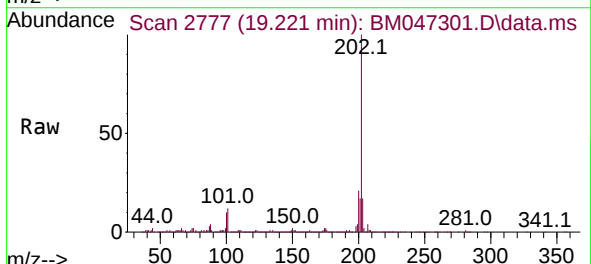
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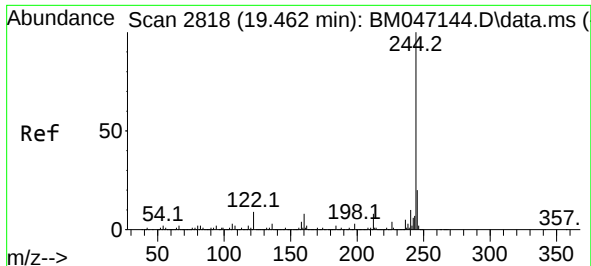
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/23/2024



#78
Pyrene
Concen: 5.032 ng
RT: 19.221 min Scan# 2777
Delta R.T. -0.018 min
Lab File: BM047301.D
Acq: 21 Aug 2024 17:06

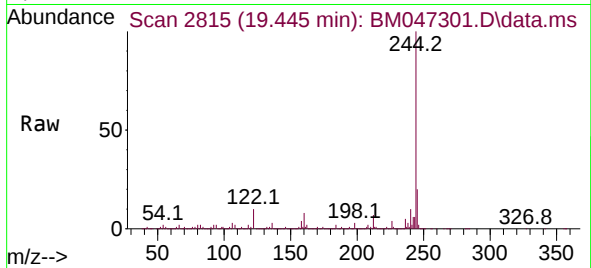
Tgt Ion:202 Resp: 423371
Ion Ratio Lower Upper
202 100
200 20.7 17.2 25.8
203 17.3 14.2 21.2





#79
 Terphenyl-d14
 Concen: 57.866 ng
 RT: 19.445 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BM047301.D
 Acq: 21 Aug 2024 17:06

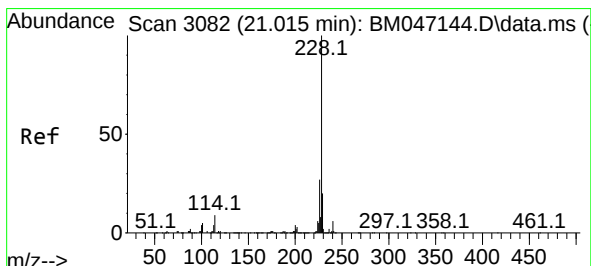
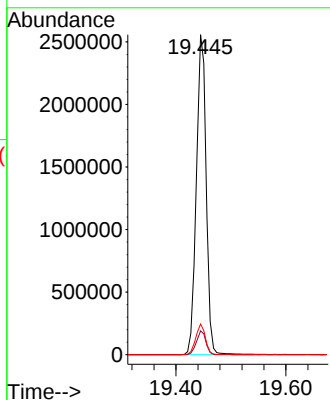
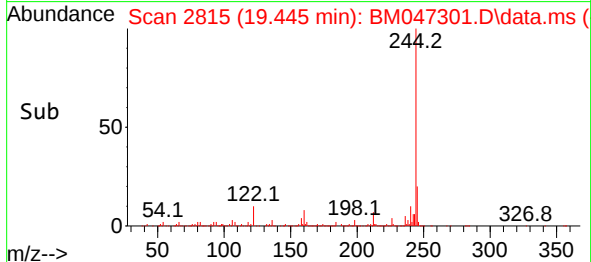
Instrument :
 BNA_M
 ClientSampleId :
 VCPS-B5-081424-10-14



Tgt Ion:244 Resp: 318215
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.2 9.4
 122 9.6 7.1 10.7

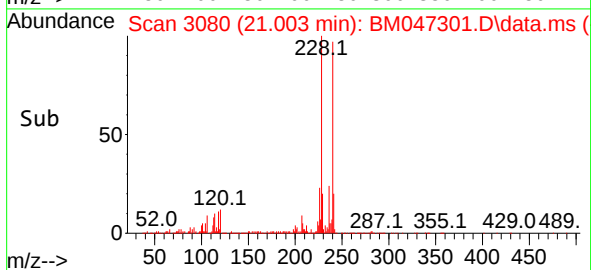
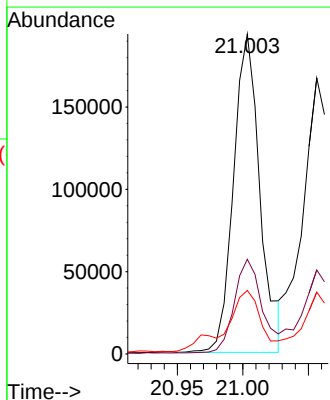
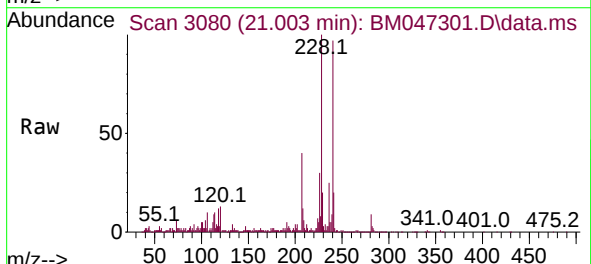
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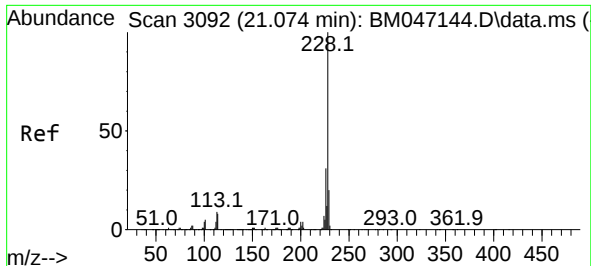
Reviewed By :Yogesh Patel 08/22/2024
 Supervised By :mohammad ahmed 08/23/2024



#81
 Benzo(a)anthracene
 Concen: 3.467 ng
 RT: 21.003 min Scan# 3080
 Delta R.T. -0.012 min
 Lab File: BM047301.D
 Acq: 21 Aug 2024 17:06

Tgt Ion:228 Resp: 271208
 Ion Ratio Lower Upper
 228 100
 226 29.6 21.8 32.6
 229 19.8 15.8 23.8





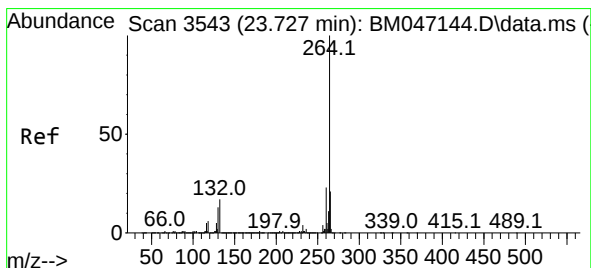
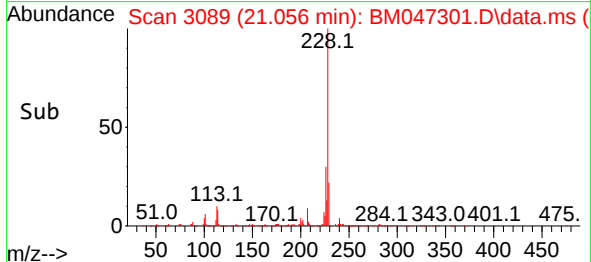
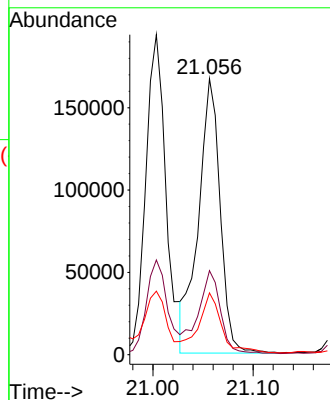
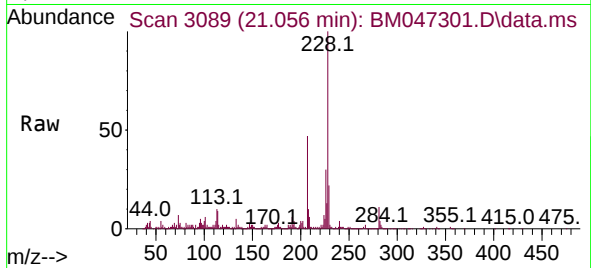
#83
Chrysene
Concen: 3.402 ng
RT: 21.056 min Scan# 3092
Delta R.T. -0.018 min
Lab File: BM047301.D
Acq: 21 Aug 2024 17:06

Instrument :
BNA_M
ClientSampleId :
VCPS-B5-081424-10-14

Tgt Ion:228 Resp: 252479
Ion Ratio Lower Upper
228 100
226 30.4 24.4 36.6
229 22.4 15.7 23.5

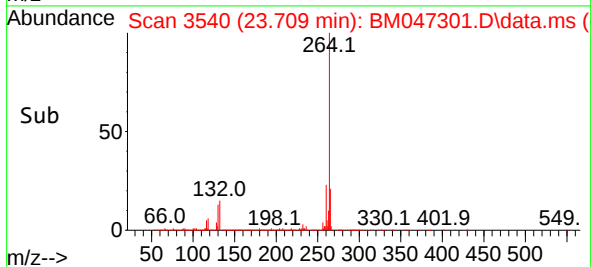
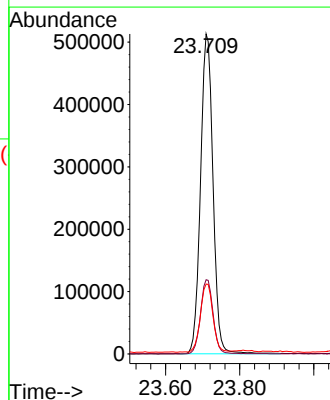
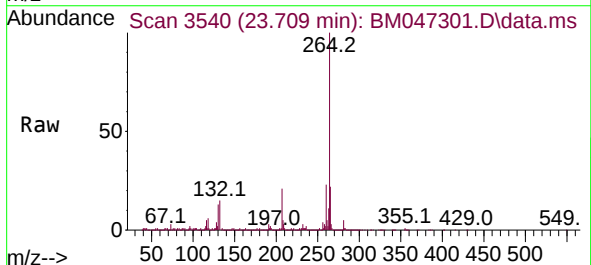
Manual Integrations
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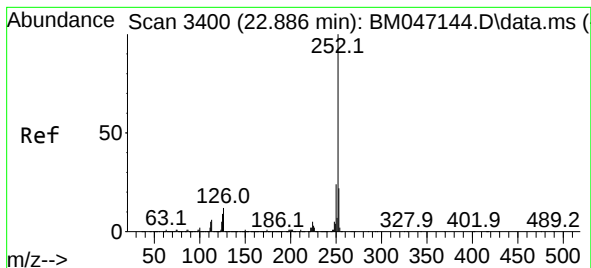
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/23/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.709 min Scan# 3540
Delta R.T. -0.018 min
Lab File: BM047301.D
Acq: 21 Aug 2024 17:06

Tgt Ion:264 Resp: 1195751
Ion Ratio Lower Upper
264 100
260 23.2 18.5 27.7
265 21.9 17.3 25.9





#88

Benzo(b)fluoranthene

Concen: 4.694 ng

RT: 22.874 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM047301.D

Acq: 21 Aug 2024 17:06

Instrument :

BNA_M

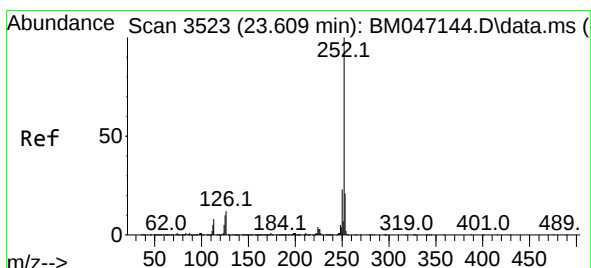
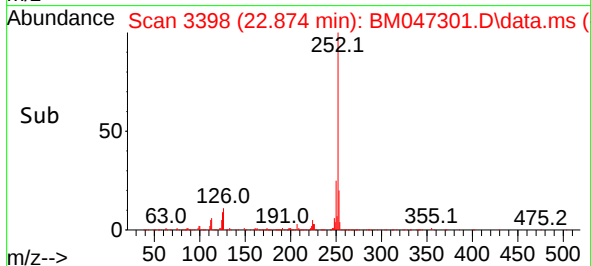
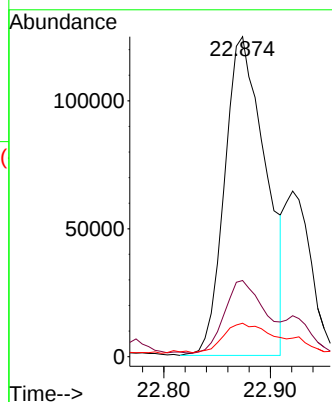
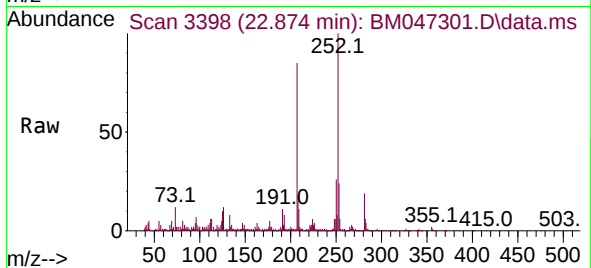
ClientSampleId :

VCPS-B5-081424-10-14

Tgt Ion:252 Resp: 333328
 Ion Ratio Lower Upper
 252 100
 253 23.8 17.8 26.6
 125 10.4 7.4 11.0

Manual Integrations
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Reviewed By :Yogesh Patel 08/22/2024
 Supervised By :mohammad ahmed 08/23/2024



#90

Benzo(a)pyrene

Concen: 3.607 ng

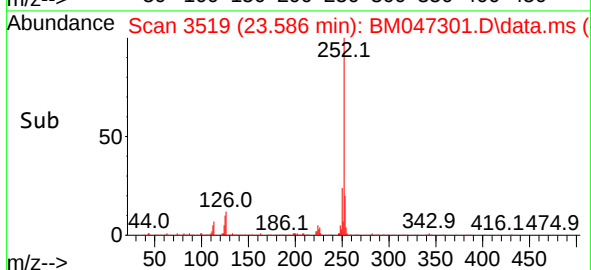
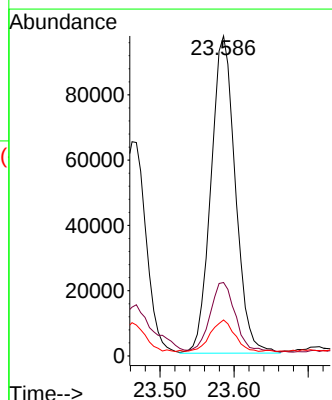
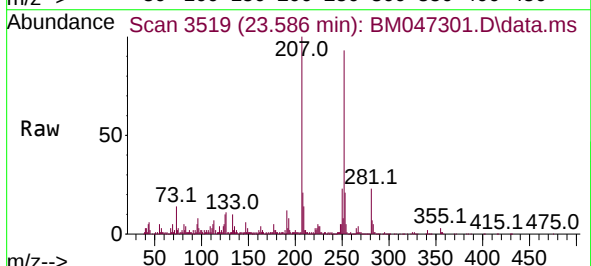
RT: 23.586 min Scan# 3519

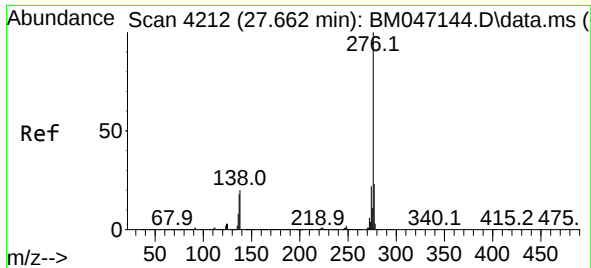
Delta R.T. -0.024 min

Lab File: BM047301.D

Acq: 21 Aug 2024 17:06

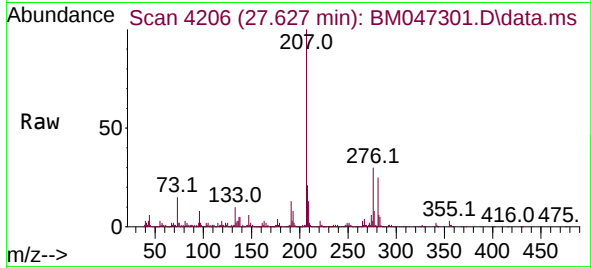
Tgt Ion:252 Resp: 221868
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.1 25.7
 125 11.2 8.2 12.2





#92
 Benzo(g,h,i)perylene
 Concen: 2.060 ng
 RT: 27.627 min Scan# 41
 Delta R.T. -0.035 min
 Lab File: BM047301.D
 Acq: 21 Aug 2024 17:06

Instrument :
 BNA_M
 ClientSampleId :
 VCPS-B5-081424-10-14



Tgt Ion:	276	Resp:	133758
Ion Ratio	Lower	Upper	
276	100		
277	25.4	18.8	28.2
138	18.3	16.2	24.4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/22/2024
 Supervised By :mohammad ahmed 08/23/2024

