

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071125\
 Data File : BM050417.D
 Acq On : 11 Jul 2025 17:48
 Operator : RC/JU
 Sample : Q2551-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 VNJ-204

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/14/2025
 Supervised By :Jagrut Upadhyay 07/14/2025

Quant Time: Jul 11 18:24:09 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 08 18:32:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.857	152	365974	20.000	ng	0.00
21) Naphthalene-d8	10.657	136	1334648	20.000	ng	0.00
39) Acenaphthene-d10	14.486	164	853709	20.000	ng	0.00
64) Phenanthrene-d10	17.221	188	1769303	20.000	ng	0.00
76) Chrysene-d12	21.450	240	2110668	20.000	ng	0.00
86) Perylene-d12	24.485	264	2341426	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1824938	85.834	ng	0.00
7) Phenol-d6	7.016	99	2282470	85.160	ng	0.00
23) Nitrobenzene-d5	9.010	82	1329379	50.817	ng	-0.01
42) 2,4,6-Tribromophenol	15.968	330	923123	88.996	ng	0.00
45) 2-Fluorobiphenyl	13.116	172	3343232	48.362	ng	0.00
79) Terphenyl-d14	19.833	244	6081165	50.693	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	14.210	152	330382	4.329	ng	99
52) Acenaphthene	14.551	154	218503	4.503	ng	98
55) Dibenzofuran	14.880	168	204972	2.742	ng	96
58) Fluorene	15.527	166	293180	4.761	ng	98
70) Pentachlorophenol	16.868	266	94013	6.559	ng	98
71) Phenanthrene	17.262	178	2863285	28.599	ng	100
72) Anthracene	17.351	178	775946	7.786	ng	98
75) Fluoranthene	19.268	202	4340702	39.882	ng	98
78) Pyrene	19.633	202	3719541	27.516	ng	100
81) Benzo(a)anthracene	21.433	228	1578184	11.476	ng	94
83) Chrysene	21.492	228	1503050	11.587	ng	98
84) Bis(2-ethylhexyl)phtha...	21.362	149	270891	3.828	ng	98
87) Indeno(1,2,3-cd)pyrene	27.915	276	1026470	6.166	ng	96
88) Benzo(b)fluoranthene	23.527	252	1982140	13.763	ng	99
89) Benzo(k)fluoranthene	23.586	252	678551m	4.541	ng	
90) Benzo(a)pyrene	24.344	252	1361843	10.101	ng	99
92) Benzo(g,h,i)perylene	28.985	276	1016748	7.673	ng	99

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

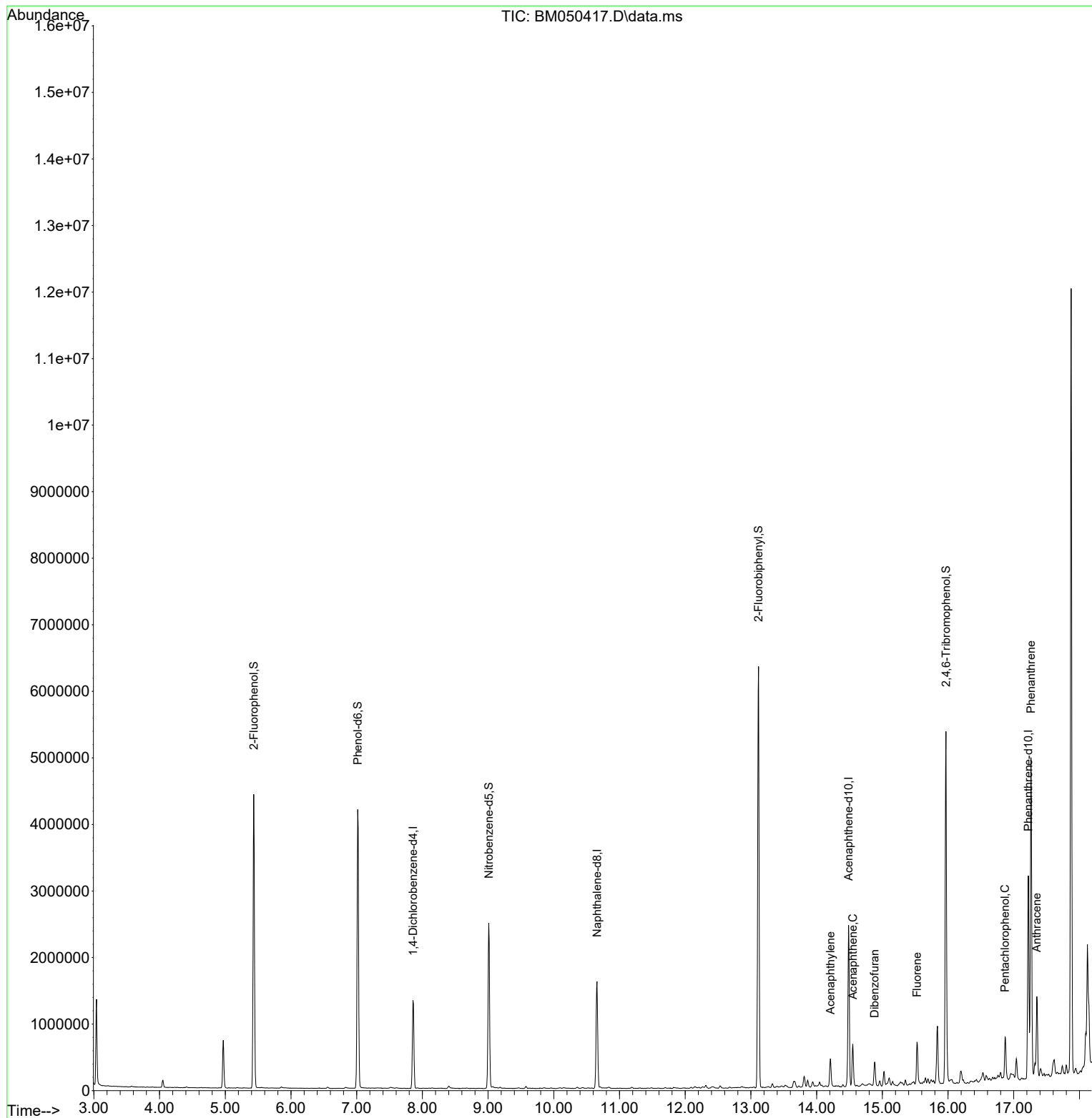
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Data File : BM050417.D
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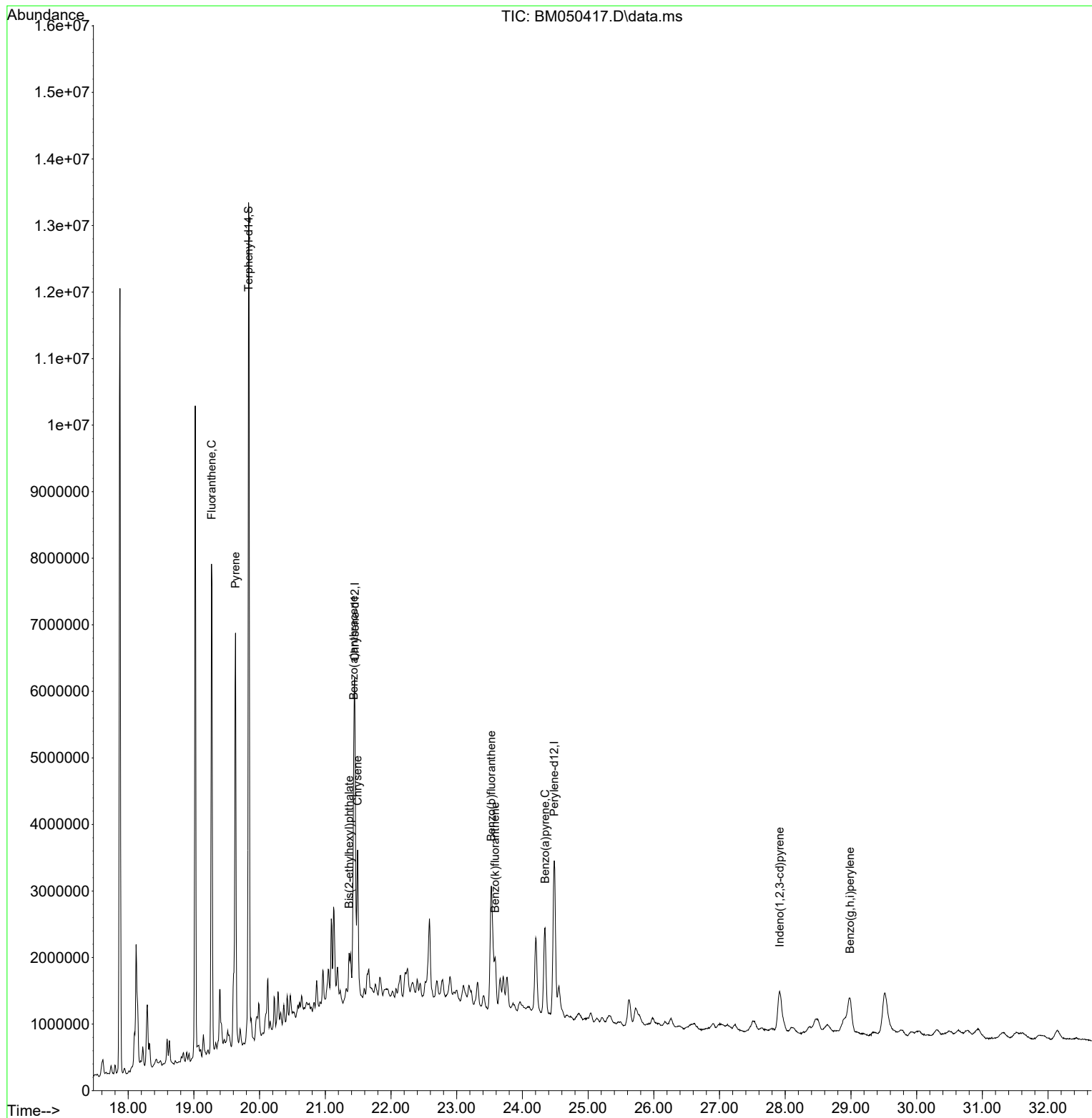
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Data File : BM050417.D
Acq On : 11 Jul 2025 17:48
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Sample : Q2551-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

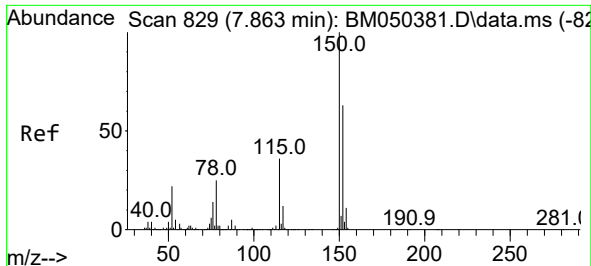
Instrument :
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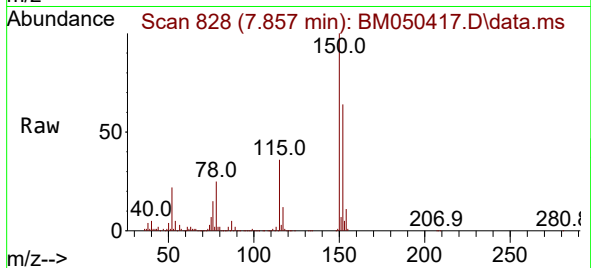
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.857 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM050417.D
Acq: 11 Jul 2025 17:48

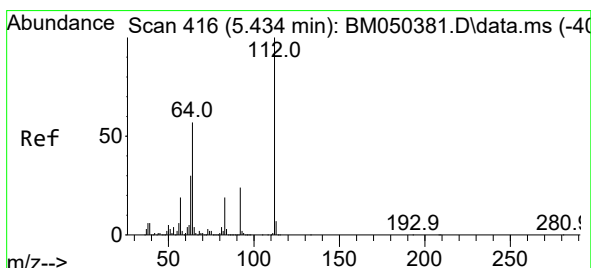
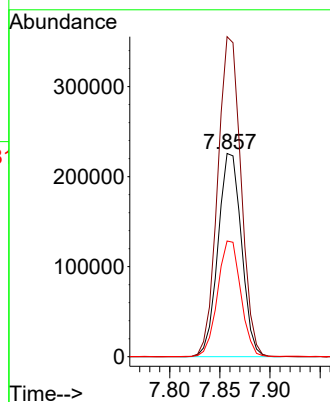
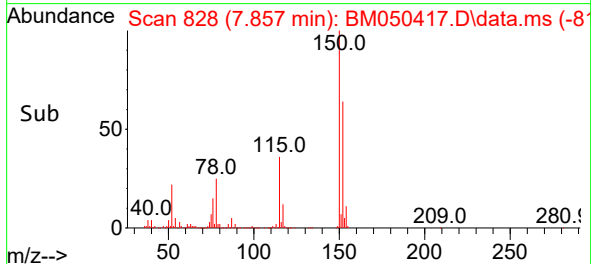
Instrument :
BNA_M
ClientSampleId :
VNJ-204



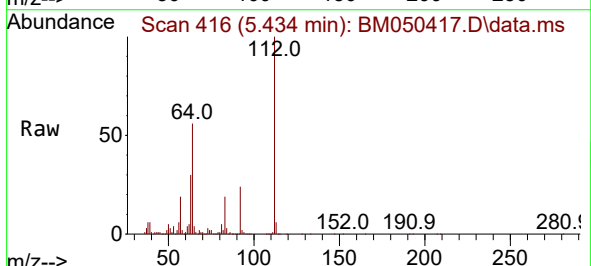
Tgt Ion:152 Resp: 365974
Ion Ratio Lower Upper
152 100
150 157.4 126.2 189.4
115 56.9 45.8 68.8

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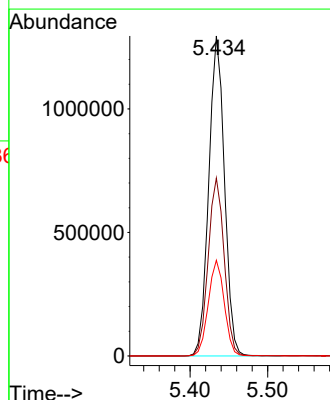
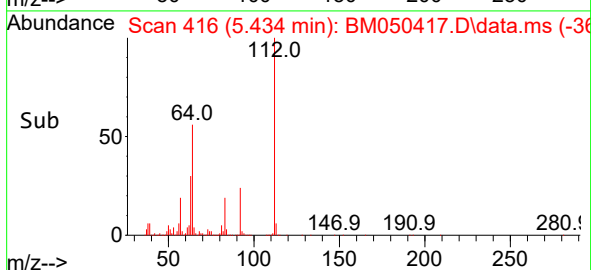
Reviewed By :Rahul Chavli 07/14/2025
Supervised By :Jagrut Upadhyay 07/14/2025

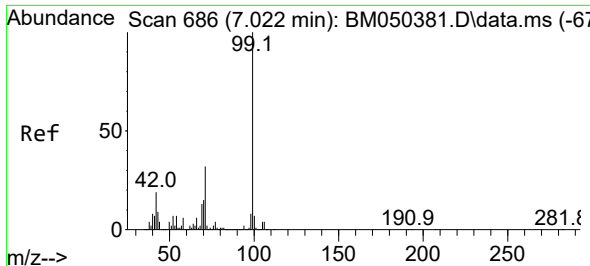


#5
2-Fluorophenol
Concen: 85.834 ng
RT: 5.434 min Scan# 416
Delta R.T. 0.000 min
Lab File: BM050417.D
Acq: 11 Jul 2025 17:48



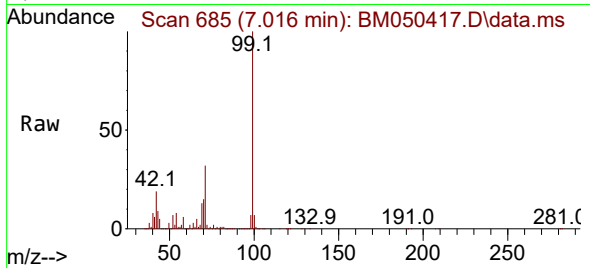
Tgt Ion:112 Resp: 1824938
Ion Ratio Lower Upper
112 100
64 55.6 45.5 68.3
63 29.9 24.2 36.4





#7
Phenol-d6
Concen: 85.160 ng
RT: 7.016 min Scan# 685
Delta R.T. -0.006 min
Lab File: BM050417.D
Acq: 11 Jul 2025 17:48

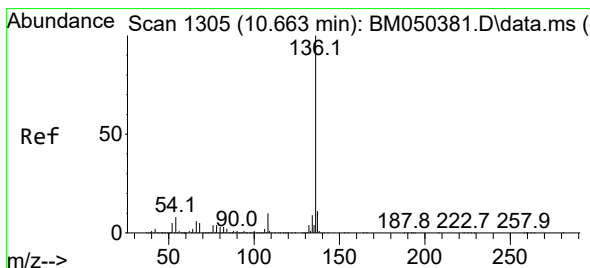
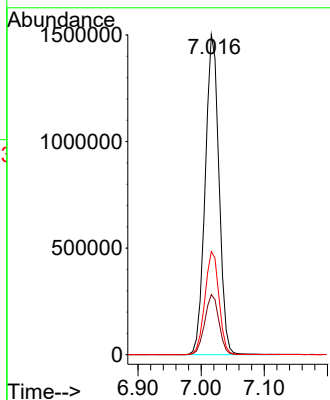
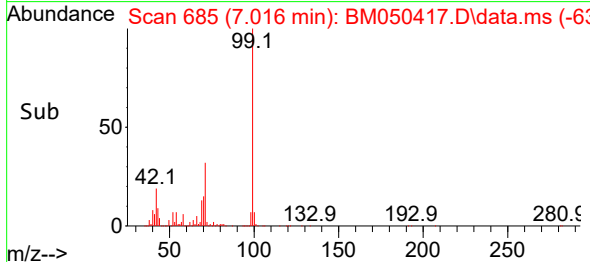
Instrument :
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VNJ-204



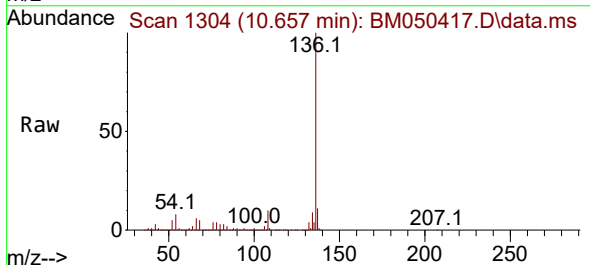
Tgt Ion: 99 Resp: 2282470
Ion Ratio Lower Upper
99 100
42 18.8 15.0 22.6
71 32.3 25.9 38.9

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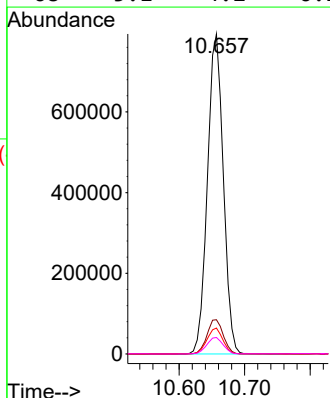
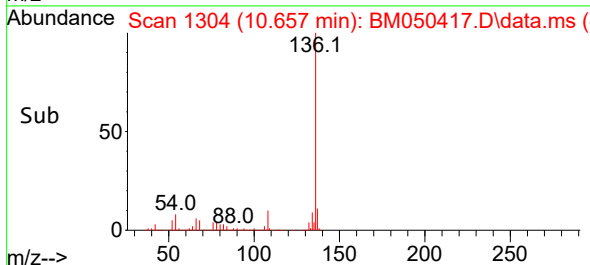
Reviewed By :Rahul Chavli 07/14/2025
Supervised By :Jagrut Upadhyay 07/14/2025

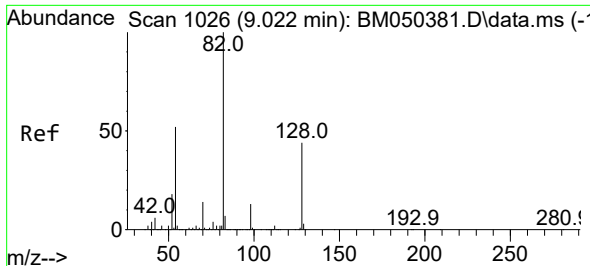


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.657 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BM050417.D
Acq: 11 Jul 2025 17:48



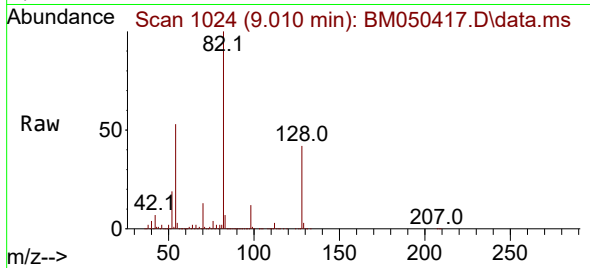
Tgt Ion:136 Resp: 1334648
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 8.1 6.3 9.5
68 5.1 4.2 6.2





#23
Nitrobenzene-d5
Concen: 50.817 ng
RT: 9.010 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BM050417.D
Acq: 11 Jul 2025 17:48

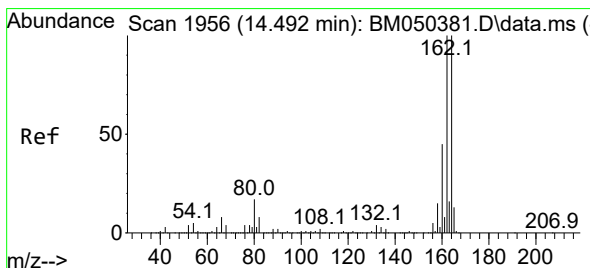
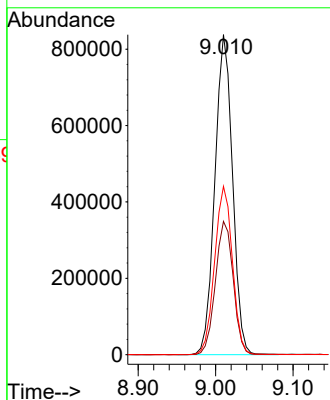
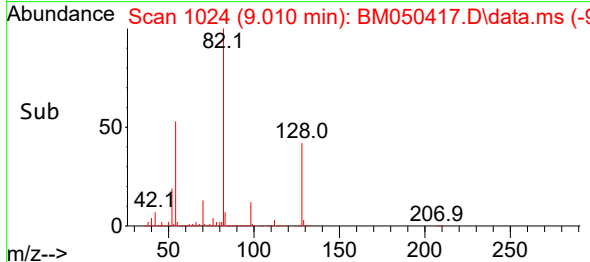
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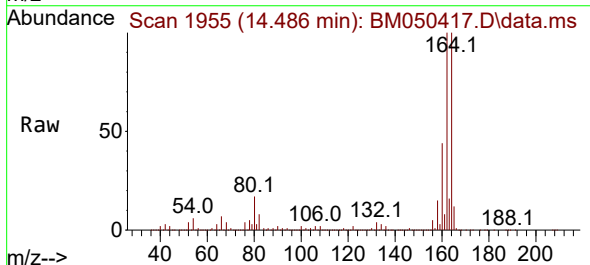
Tgt Ion: 82 Resp: 1329379
Ion Ratio Lower Upper
82 100
128 41.7 35.2 52.8
54 52.6 41.5 62.3

Manual Integrations
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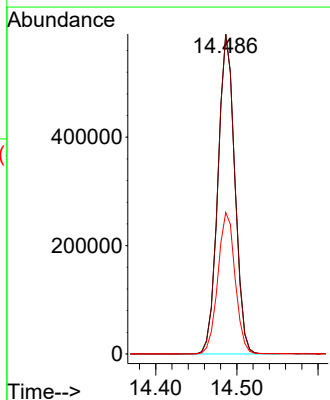
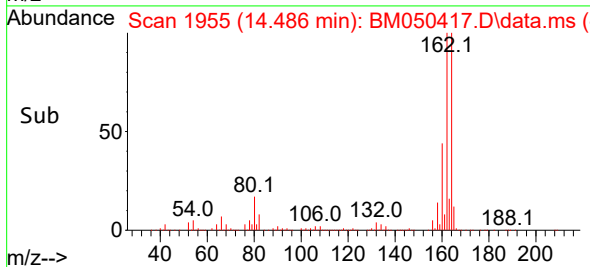
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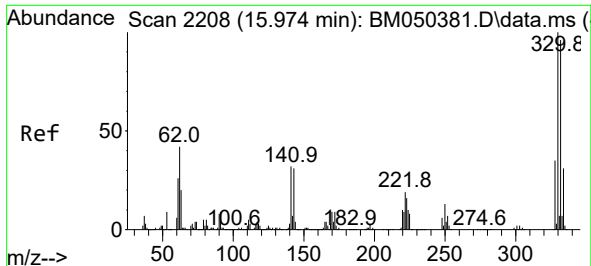


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.486 min Scan# 1955
Delta R.T. -0.006 min
Lab File: BM050417.D
Acq: 11 Jul 2025 17:48



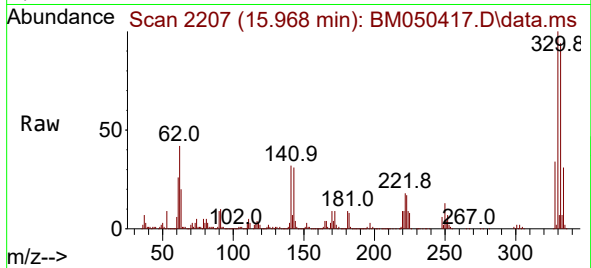
Tgt Ion:164 Resp: 853709
Ion Ratio Lower Upper
164 100
162 99.9 79.9 119.9
160 44.2 36.2 54.4





#42
2,4,6-Tribromophenol
Concen: 88.996 ng
RT: 15.968 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050417.D
Acq: 11 Jul 2025 17:48

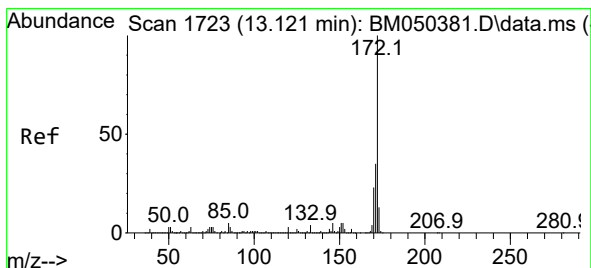
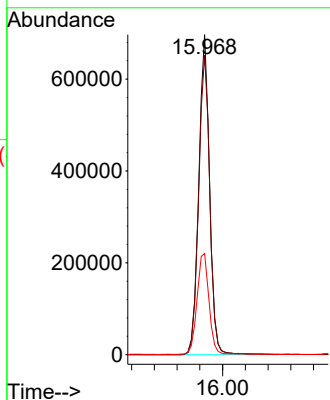
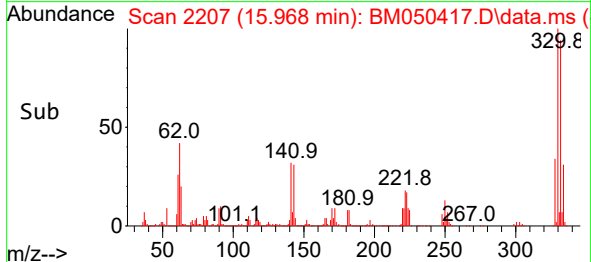
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Tgt Ion:330 Resp: 92312
Ion Ratio Lower Upper
330 100
332 95.9 76.9 115.3
141 34.7 27.4 41.0

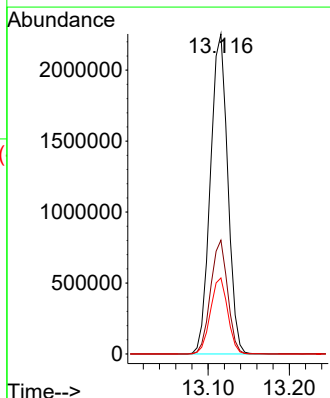
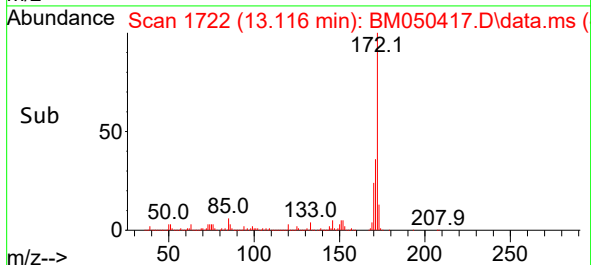
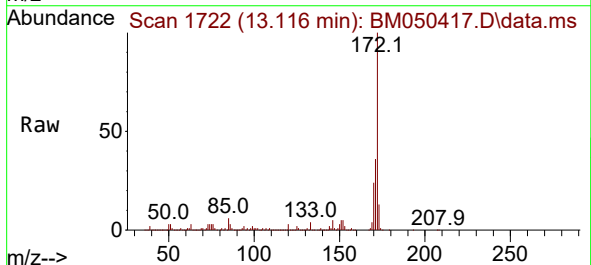
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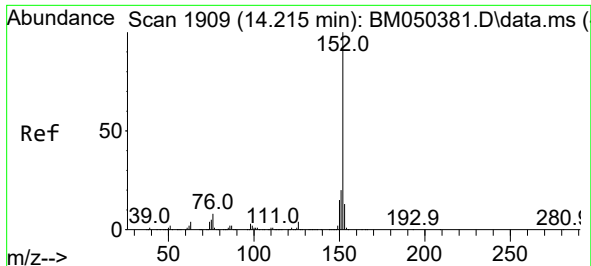
Reviewed By :Rahul Chavli 07/14/2025
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#45
2-Fluorobiphenyl
Concen: 48.362 ng
RT: 13.116 min Scan# 1722
Delta R.T. -0.006 min
Lab File: BM050417.D
Acq: 11 Jul 2025 17:48

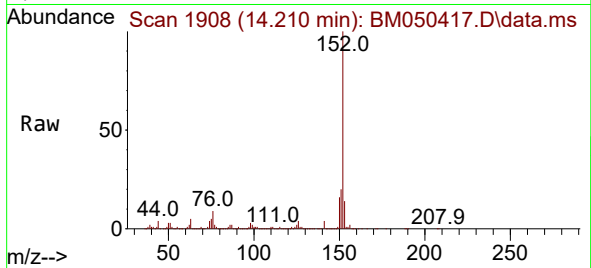
Tgt Ion:172 Resp: 3343232
Ion Ratio Lower Upper
172 100
171 35.6 27.7 41.5
170 23.7 18.8 28.2





#49
Acenaphthylene
Concen: 4.329 ng
RT: 14.210 min Scan# 1909
Delta R.T. -0.006 min
Lab File: BM050417.D
Acq: 11 Jul 2025 17:48

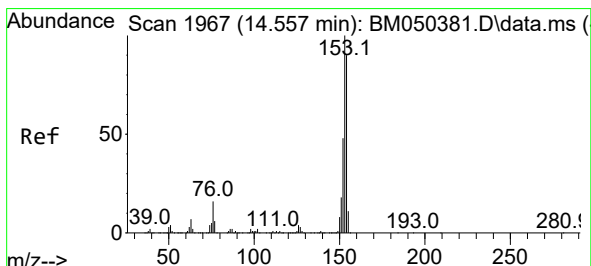
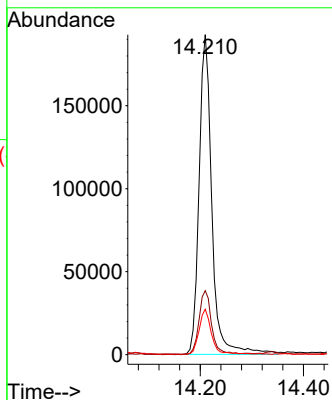
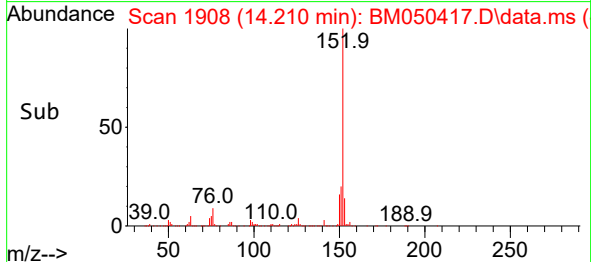
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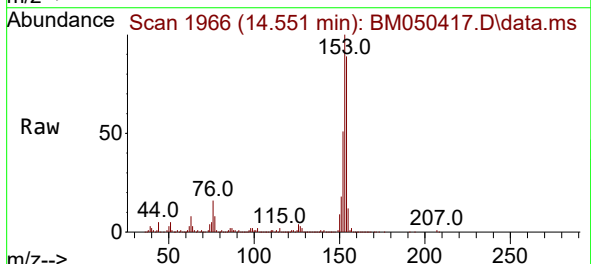
Tgt Ion:152 Resp: 330382
Ion Ratio Lower Upper
152 100
151 20.0 16.3 24.5
153 14.2 10.6 15.8

Manual Integrations
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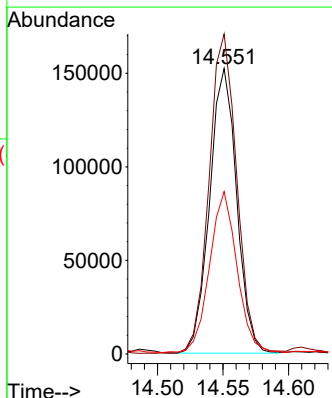
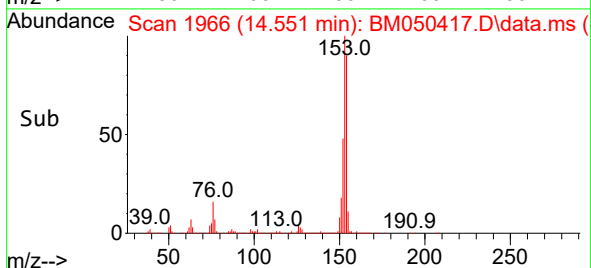
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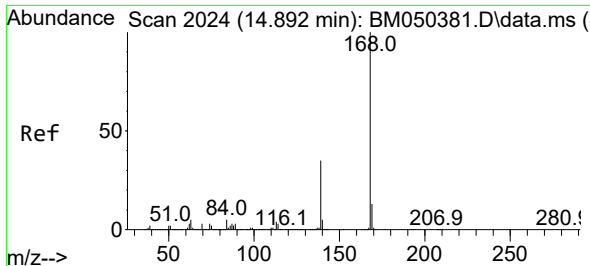


#52
Acenaphthene
Concen: 4.503 ng
RT: 14.551 min Scan# 1966
Delta R.T. -0.006 min
Lab File: BM050417.D
Acq: 11 Jul 2025 17:48



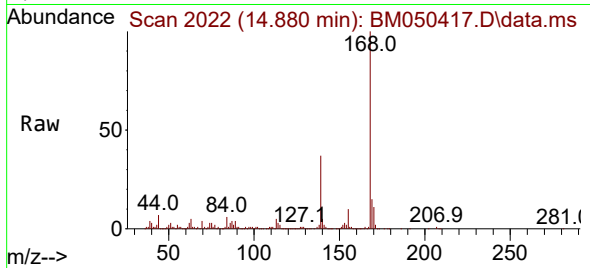
Tgt Ion:154 Resp: 218503
Ion Ratio Lower Upper
154 100
153 112.1 89.2 133.8
152 56.9 42.6 64.0





#55
Dibenzenofuran
Concen: 2.742 ng
RT: 14.880 min Scan# 20
Delta R.T. -0.012 min
Lab File: BM050417.D
Acq: 11 Jul 2025 17:48

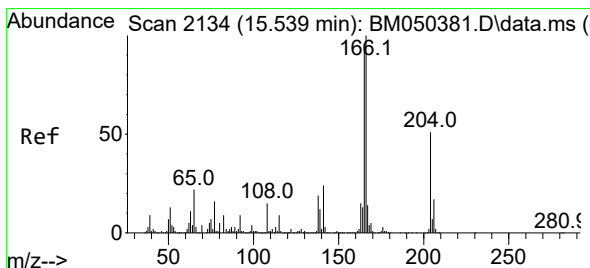
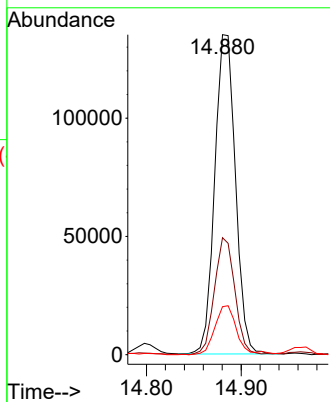
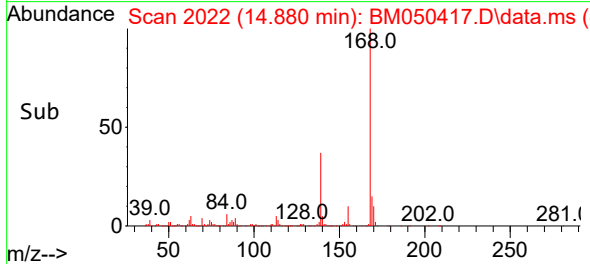
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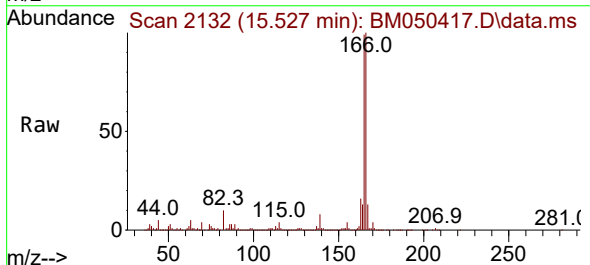
Tgt Ion:168 Resp: 204972
Ion Ratio Lower Upper
168 100
139 36.6 27.7 41.5
169 15.0 10.7 16.1

Manual Integrations
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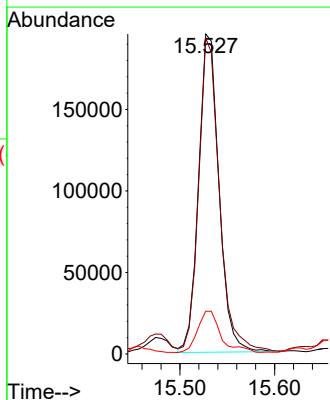
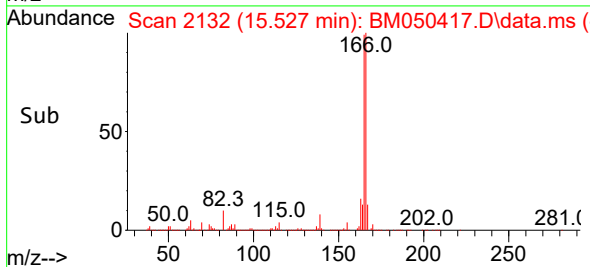
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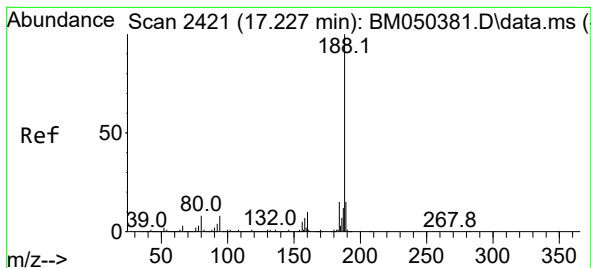


#58
Fluorene
Concen: 4.761 ng
RT: 15.527 min Scan# 2132
Delta R.T. -0.012 min
Lab File: BM050417.D
Acq: 11 Jul 2025 17:48



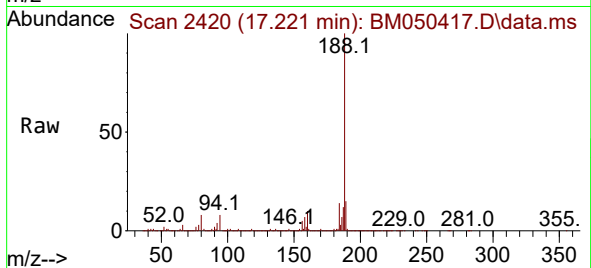
Tgt Ion:166 Resp: 293180
Ion Ratio Lower Upper
166 100
165 98.7 77.0 115.6
167 13.4 10.9 16.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.221 min Scan# 2421
Delta R.T. -0.006 min
Lab File: BM050417.D
Acq: 11 Jul 2025 17:48

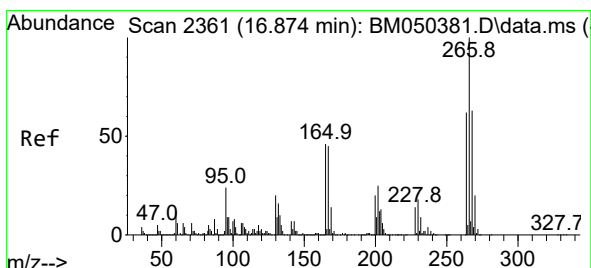
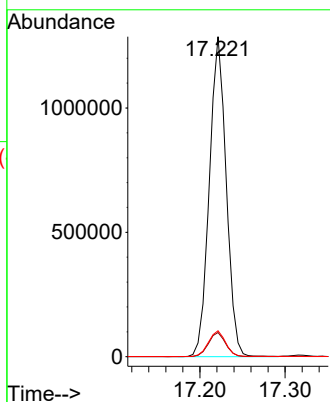
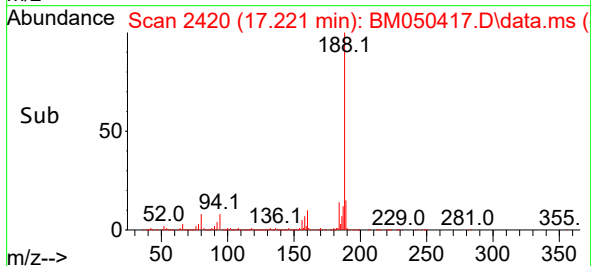
Instrument :
BNA_M
ClientSampleId :
VNJ-204



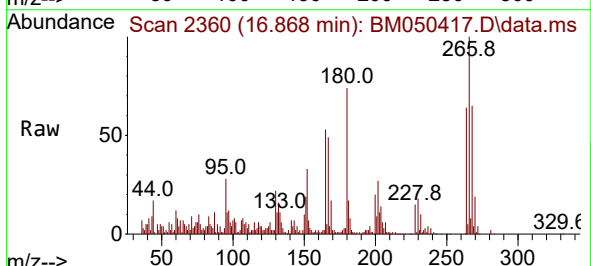
Tgt Ion:188 Resp: 176930
Ion Ratio Lower Upper
188 100
94 7.6 6.0 9.0
80 8.1 6.5 9.7

Manual Integrations
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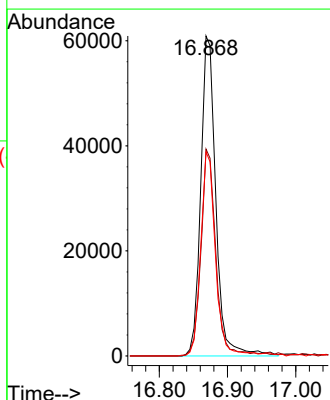
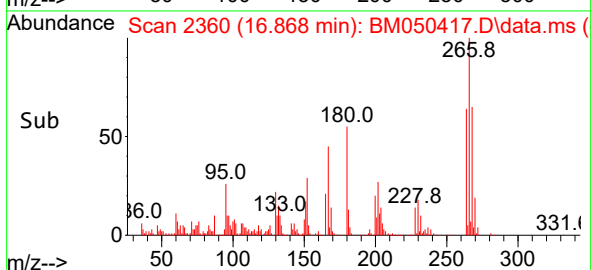
Reviewed By :Rahul Chavli 07/14/2025
Supervised By :Jagrut Upadhyay 07/14/2025

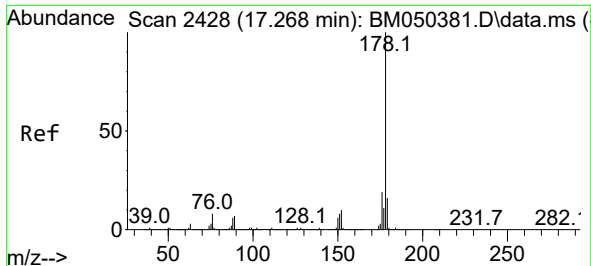


#70
Pentachlorophenol
Concen: 6.559 ng
RT: 16.868 min Scan# 2360
Delta R.T. -0.006 min
Lab File: BM050417.D
Acq: 11 Jul 2025 17:48



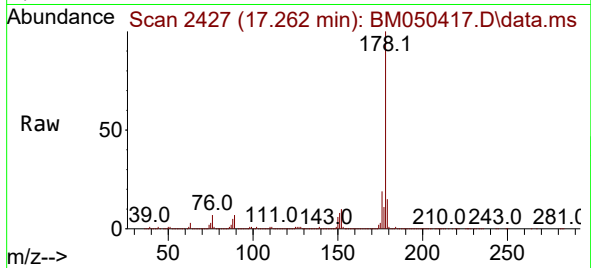
Tgt Ion:266 Resp: 94013
Ion Ratio Lower Upper
266 100
268 64.6 50.5 75.7
264 63.8 49.9 74.9





#71
Phenanthrene
Concen: 28.599 ng
RT: 17.262 min Scan# 2428
Delta R.T. -0.006 min
Lab File: BM050417.D
Acq: 11 Jul 2025 17:48

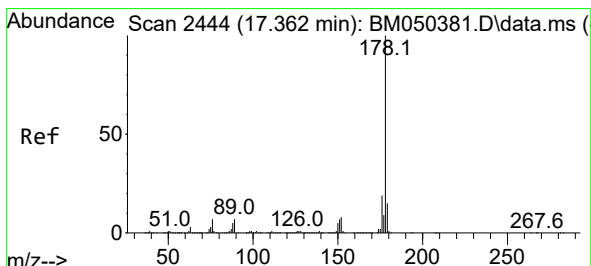
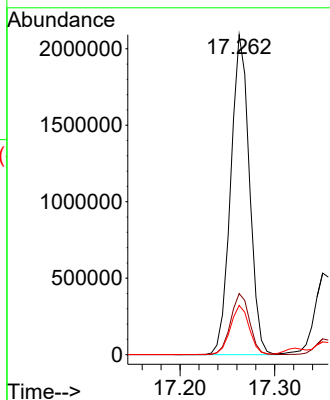
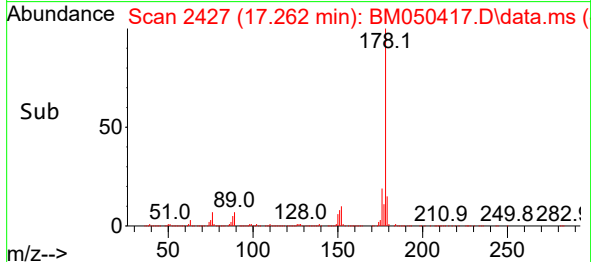
Instrument :
BNA_M
ClientSampleId :
VNJ-204



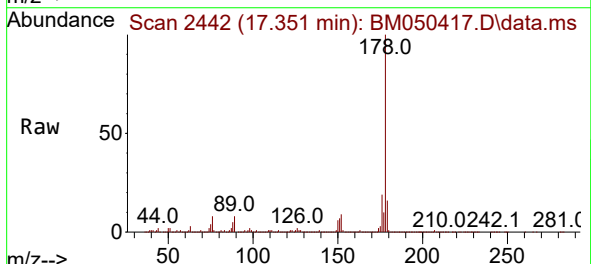
Tgt Ion:178 Resp: 286328
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 15.4 12.5 18.7

Manual Integrations
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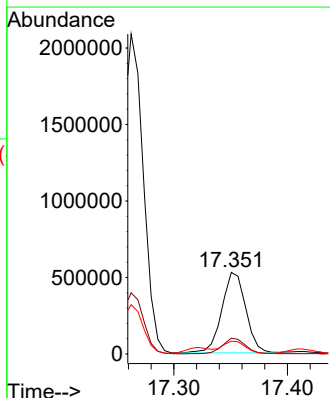
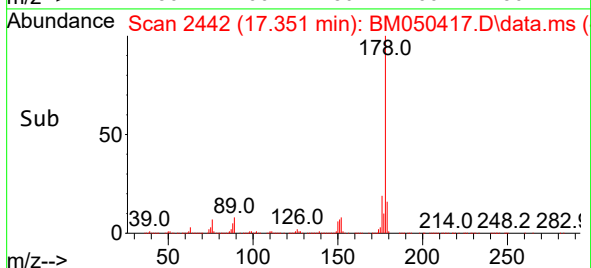
Reviewed By :Rahul Chavli 07/14/2025
Supervised By :Jagrut Upadhyay 07/14/2025

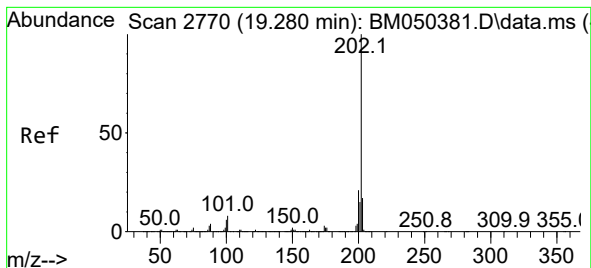


#72
Anthracene
Concen: 7.786 ng
RT: 17.351 min Scan# 2442
Delta R.T. -0.012 min
Lab File: BM050417.D
Acq: 11 Jul 2025 17:48



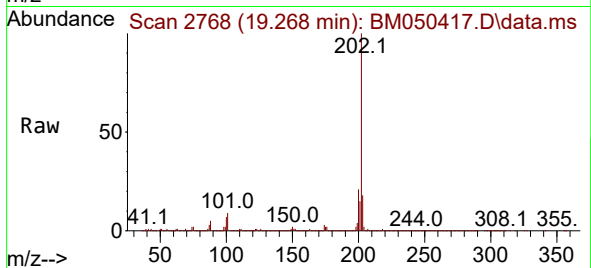
Tgt Ion:178 Resp: 775946
Ion Ratio Lower Upper
178 100
176 19.5 14.9 22.3
179 15.7 12.2 18.4





#75
Fluoranthene
Concen: 39.882 ng
RT: 19.268 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050417.D
Acq: 11 Jul 2025 17:48

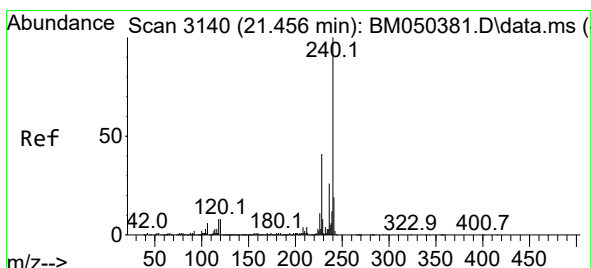
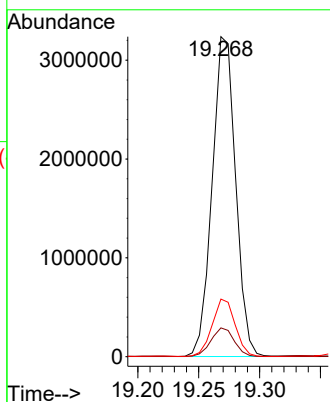
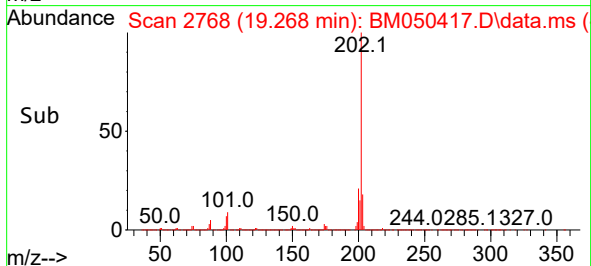
Instrument :
BNA_M
ClientSampleId :
VNJ-204



Tgt Ion:202 Resp: 4340702
Ion Ratio Lower Upper
202 100
101 9.0 0.0 28.3
203 18.0 0.0 37.2

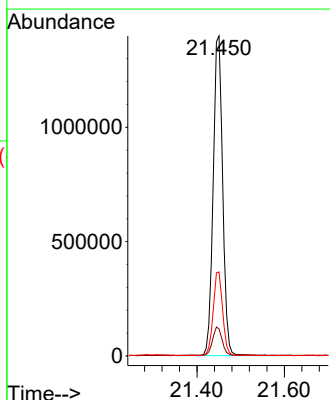
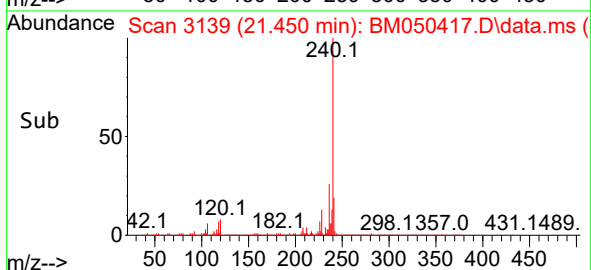
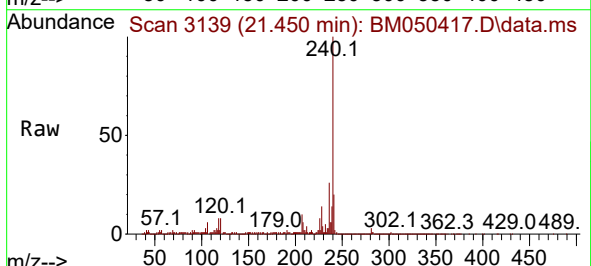
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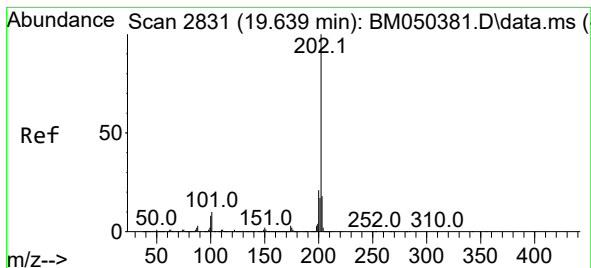
Reviewed By :Rahul Chavli 07/14/2025
Supervised By :Jagrut Upadhyay 07/14/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.450 min Scan# 3139
Delta R.T. -0.006 min
Lab File: BM050417.D
Acq: 11 Jul 2025 17:48

Tgt Ion:240 Resp: 2110668
Ion Ratio Lower Upper
240 100
120 8.4 6.7 10.1
236 26.3 20.7 31.1





#78

Pyrene

Concen: 27.516 ng

RT: 19.633 min Scan# 2831

Delta R.T. -0.006 min

Lab File: BM050417.D

Acq: 11 Jul 2025 17:48

Instrument :

BNA_M

ClientSampleId :

VNJ-204

Tgt Ion:202 Resp: 371954

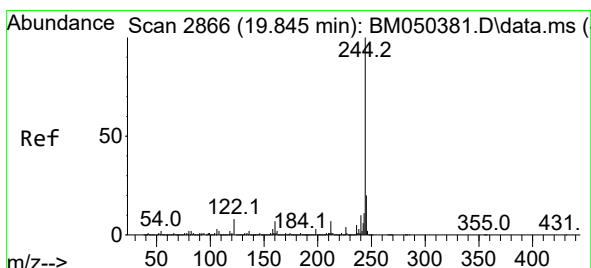
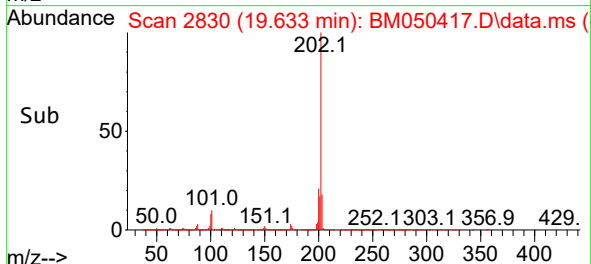
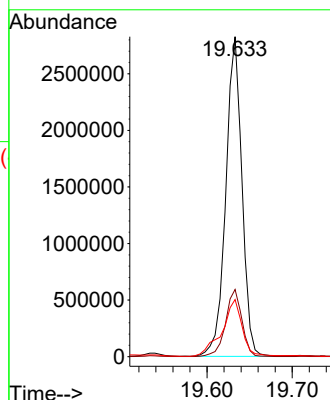
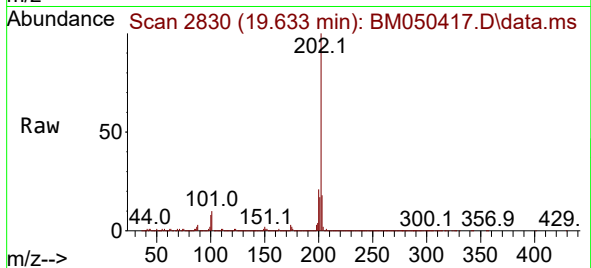
Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.9	25.3
203	17.9	14.1	21.1

Manual Integrations

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Reviewed By :Rahul Chavli 07/14/2025

Supervised By :Jagrut Upadhyay 07/14/2025



#79

Terphenyl-d14

Concen: 50.693 ng

RT: 19.833 min Scan# 2864

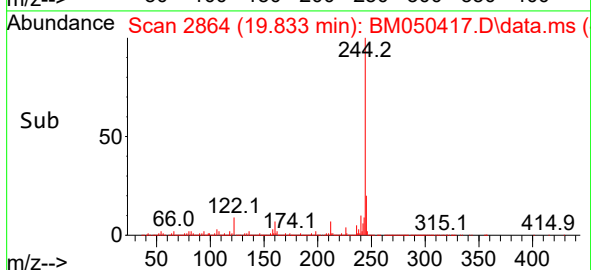
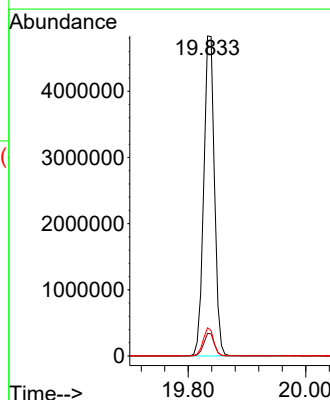
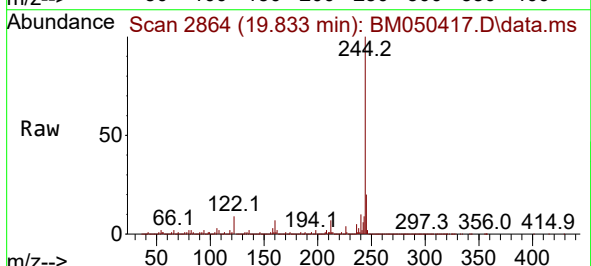
Delta R.T. -0.012 min

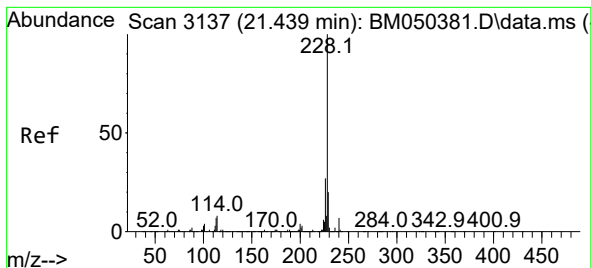
Lab File: BM050417.D

Acq: 11 Jul 2025 17:48

Tgt Ion:244 Resp: 6081165

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.7	8.5
122	8.8	6.2	9.2





#81

Benzo(a)anthracene

Concen: 11.476 ng

RT: 21.433 min Scan# 3137

Delta R.T. -0.006 min

Lab File: BM050417.D

Acq: 11 Jul 2025 17:48

Instrument :

BNA_M

ClientSampleId :

VNJ-204

Tgt Ion:228 Resp: 1578184

Ion Ratio Lower Upper

228 100

226 31.4 21.8 32.8

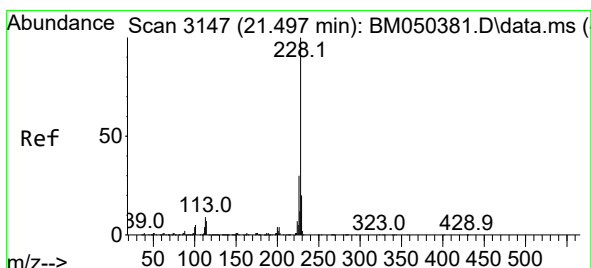
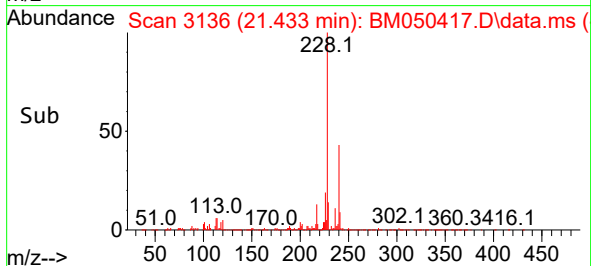
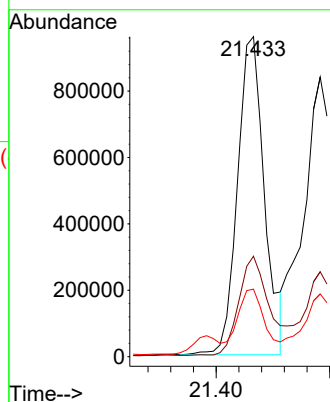
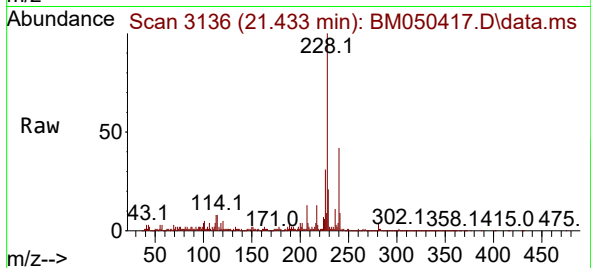
229 21.1 16.0 24.0

Manual Integrations

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Reviewed By :Rahul Chavli 07/14/2025

Supervised By :Jagrut Upadhyay 07/14/2025



#83

Chrysene

Concen: 11.587 ng

RT: 21.492 min Scan# 3146

Delta R.T. -0.006 min

Lab File: BM050417.D

Acq: 11 Jul 2025 17:48

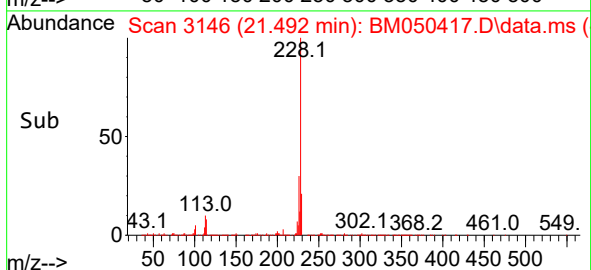
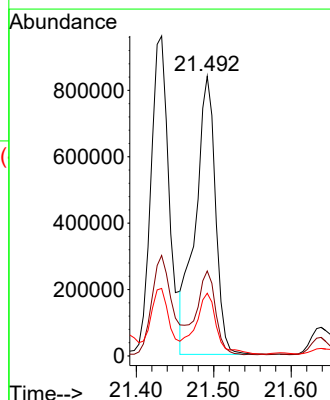
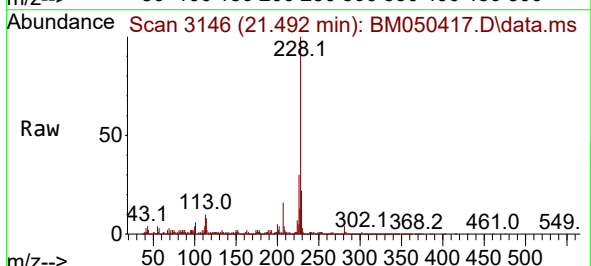
Tgt Ion:228 Resp: 1503050

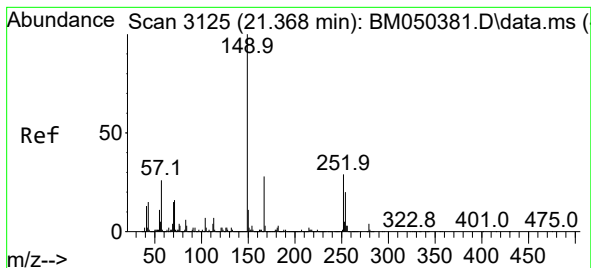
Ion Ratio Lower Upper

228 100

226 30.4 24.2 36.4

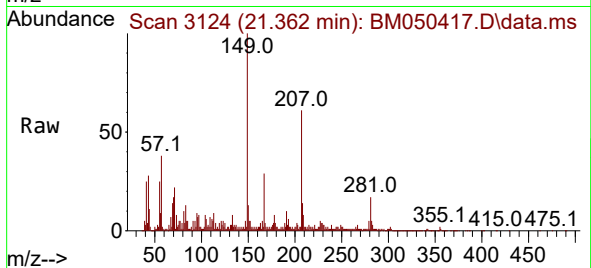
229 22.4 15.8 23.6





#84
Bis(2-ethylhexyl)phthalate
Concen: 3.828 ng
RT: 21.362 min Scan# 3125
Delta R.T. -0.006 min
Lab File: BM050417.D
Acq: 11 Jul 2025 17:48

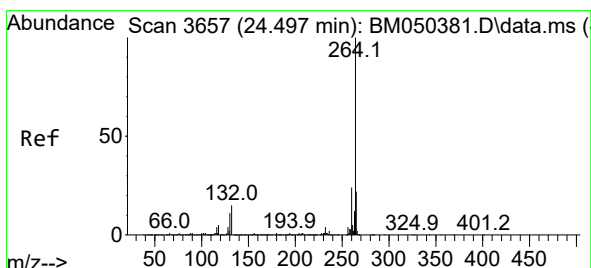
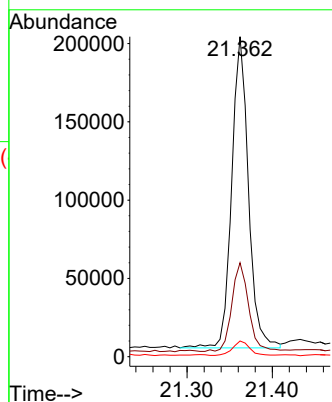
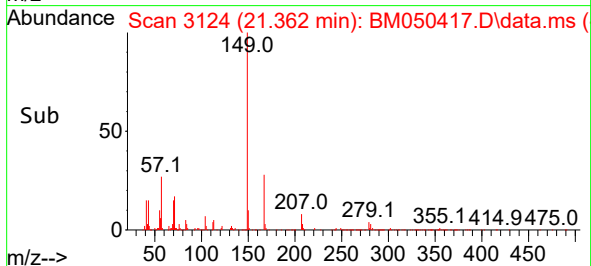
Instrument :
BNA_M
ClientSampleId :
VNJ-204



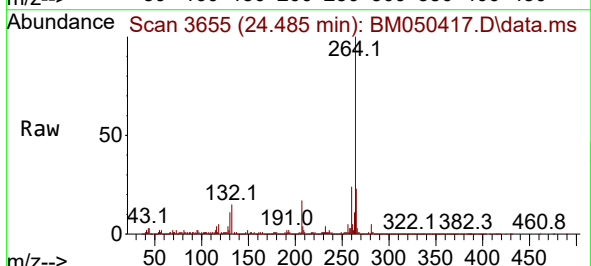
Tgt Ion:149 Resp: 27089
Ion Ratio Lower Upper
149 100
167 29.4 22.7 34.1
279 4.9 3.5 5.3

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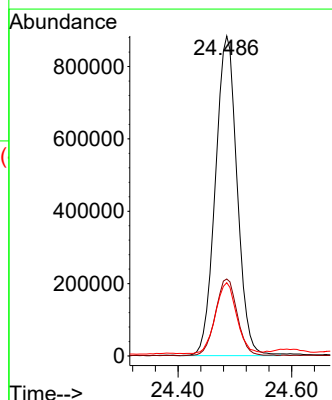
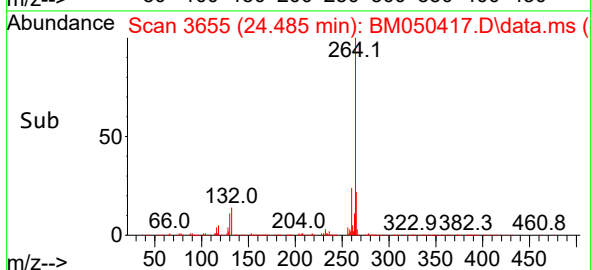
Reviewed By :Rahul Chavli 07/14/2025
Supervised By :Jagrut Upadhyay 07/14/2025

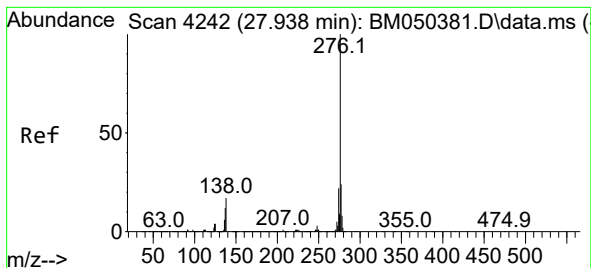


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.485 min Scan# 3655
Delta R.T. -0.012 min
Lab File: BM050417.D
Acq: 11 Jul 2025 17:48



Tgt Ion:264 Resp: 2341426
Ion Ratio Lower Upper
264 100
260 24.1 19.2 28.8
265 22.9 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.166 ng

RT: 27.915 min Scan# 41

Delta R.T. -0.023 min

Lab File: BM050417.D

Acq: 11 Jul 2025 17:48

Instrument :

BNA_M

ClientSampleId :

VNJ-204

Tgt Ion:276 Resp: 1026470

Ion Ratio Lower Upper

276 100

138 17.9 17.0 25.6

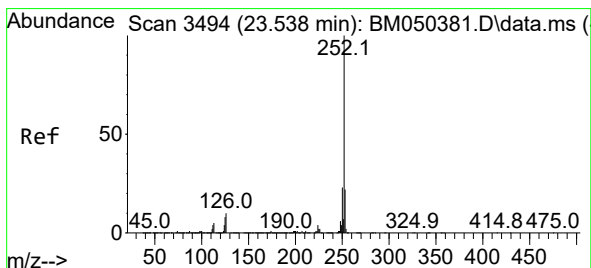
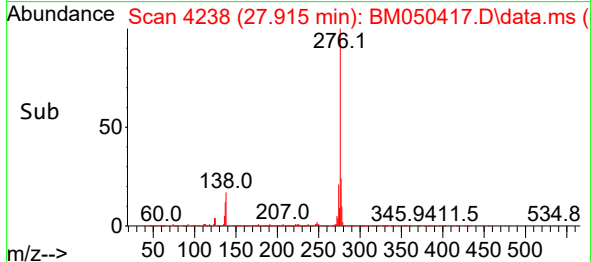
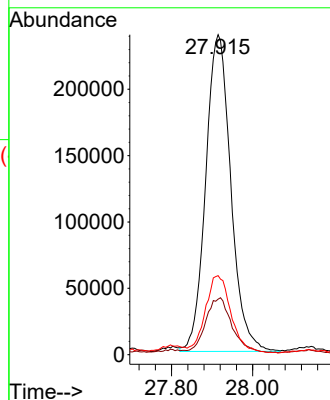
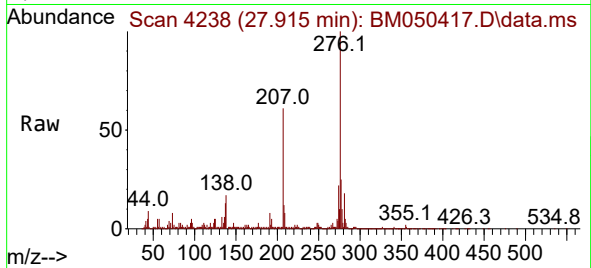
277 25.2 20.0 30.0

Manual Integrations

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Reviewed By :Rahul Chavli 07/14/2025

Supervised By :Jagrut Upadhyay 07/14/2025



#88

Benzo(b)fluoranthene

Concen: 13.763 ng

RT: 23.527 min Scan# 3492

Delta R.T. -0.012 min

Lab File: BM050417.D

Acq: 11 Jul 2025 17:48

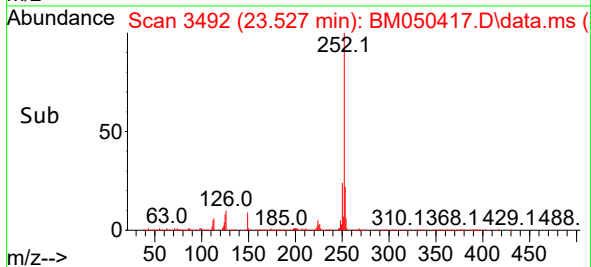
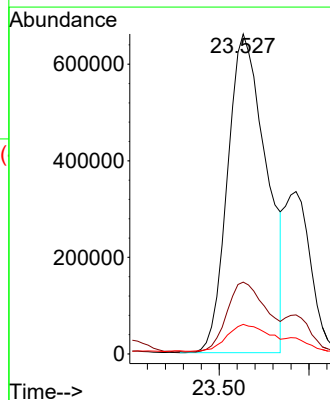
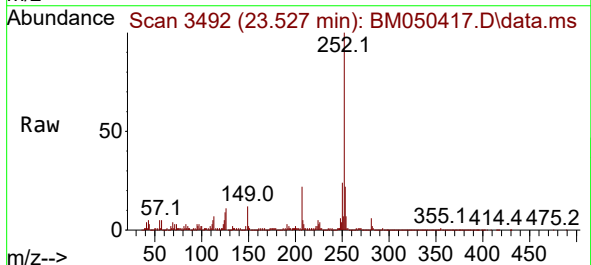
Tgt Ion:252 Resp: 1982140

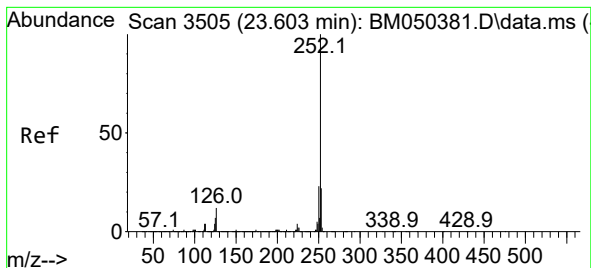
Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

125 9.2 6.3 9.5





#89

Benzo(k)fluoranthene

Concen: 4.541 ng m

RT: 23.586 min Scan# 3

Delta R.T. -0.018 min

Lab File: BM050417.D

Acq: 11 Jul 2025 17:48

Instrument :

BNA_M

ClientSampleId :

VNJ-204

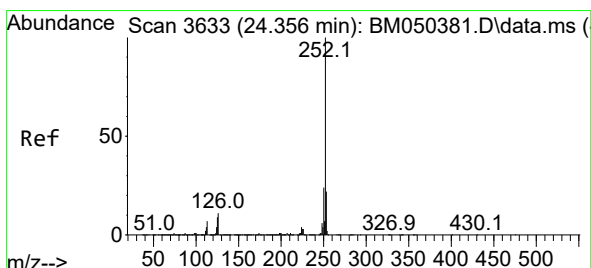
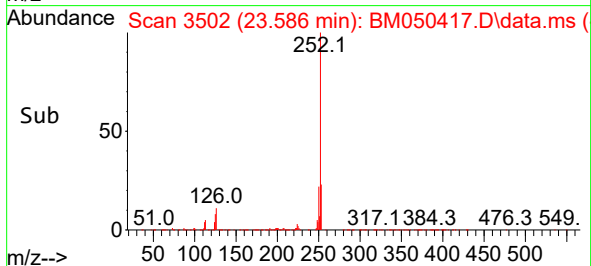
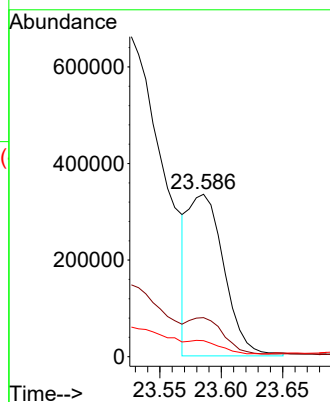
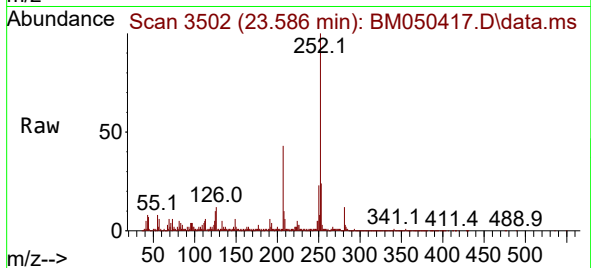
Tgt Ion:252 Resp: 67855
 Ion Ratio Lower Upper
 252 100
 253 24.0 17.6 26.4
 125 9.9 6.2 9.2

Manual Integrations

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Reviewed By :Rahul Chavli 07/14/2025

Supervised By :Jagrut Upadhyay 07/14/2025



#90

Benzo(a)pyrene

Concen: 10.101 ng

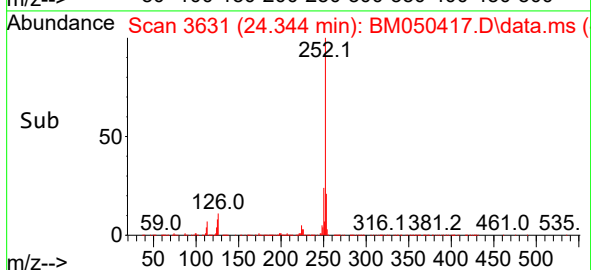
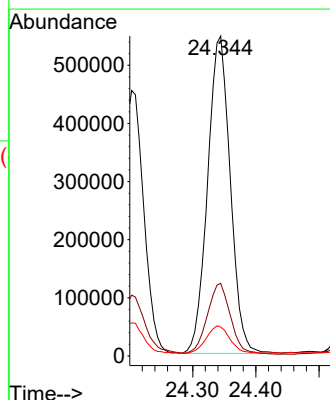
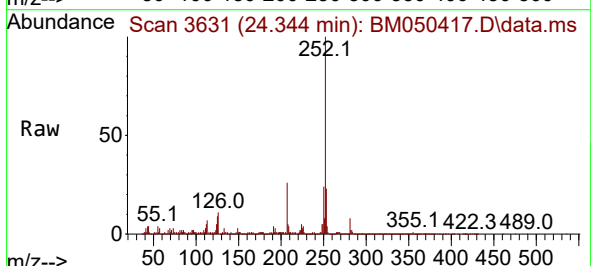
RT: 24.344 min Scan# 3631

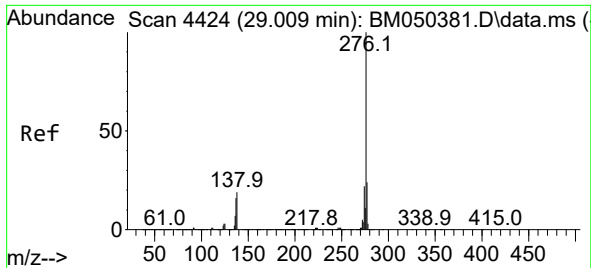
Delta R.T. -0.012 min

Lab File: BM050417.D

Acq: 11 Jul 2025 17:48

Tgt Ion:252 Resp: 1361843
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.8 26.6
 125 9.1 7.0 10.4





#92

Benzo(g,h,i)perylene

Concen: 7.673 ng

RT: 28.985 min Scan# 44

Delta R.T. -0.023 min

Lab File: BM050417.D

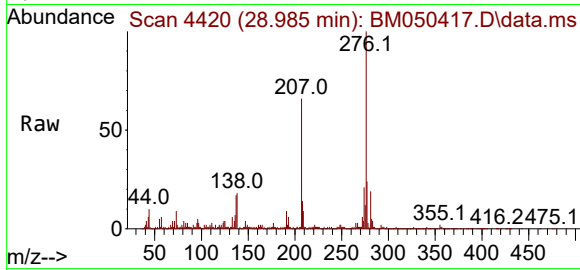
Acq: 11 Jul 2025 17:48

Instrument :

BNA_M

ClientSampleId :

VNJ-204



Tgt Ion:276 Resp: 1016748

Ion Ratio Lower Upper

276 100

277 23.8 19.1 28.7

138 18.2 14.9 22.3

Manual Integrations

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Reviewed By :Rahul Chavli 07/14/2025

Supervised By :Jagrut Upadhyay 07/14/2025

