

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
 Data File : BG064086.D
 Acq On : 10 Mar 2025 18:26
 Operator : RC/JU
 Sample : Q1524-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-241

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/11/2025
 Supervised By :Jagrut Upadhyay 03/11/2025

Quant Time: Mar 11 01:20:12 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 05 15:39:19 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.865	152	37538	20.000	ng	0.00
21) Naphthalene-d8	10.650	136	163384	20.000	ng	0.00
39) Acenaphthene-d10	14.486	164	110073	20.000	ng	0.00
64) Phenanthrene-d10	17.224	188	234725	20.000	ng	0.00
76) Chrysene-d12	21.455	240	238336	20.000	ng	0.00
86) Perylene-d12	24.469	264	253538	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.456	112	256673	106.767	ng	0.00
7) Phenol-d6	7.030	99	340223	104.029	ng	0.00
23) Nitrobenzene-d5	9.016	82	215444	72.870	ng	0.00
42) 2,4,6-Tribromophenol	15.973	330	140785	115.064	ng	0.00
45) 2-Fluorobiphenyl	13.112	172	477359	65.827	ng	0.00
79) Terphenyl-d14	19.845	244	775712	65.810	ng	0.00
Target Compounds						Qvalue
70) Pentachlorophenol	16.872	266	3735	2.235	ng	# 87
71) Phenanthrene	17.265	178	81716	6.527	ng	98
75) Fluoranthene	19.275	202	189314	12.543	ng	99
78) Pyrene	19.639	202	148782	9.684	ng	97
81) Benzo(a)anthracene	21.437	228	65995	4.323	ng	97
83) Chrysene	21.496	228	88463	5.810	ng	98
84) Bis(2-ethylhexyl)phtha...	21.372	149	16557	2.005	ng	91
87) Indeno(1,2,3-cd)pyrene	27.853	276	56437	3.327	ng	# 93
88) Benzo(b)fluoranthene	23.523	252	131728	8.594	ng	# 94
89) Benzo(k)fluoranthene	23.576	252	52562m	3.418	ng	
90) Benzo(a)pyrene	24.328	252	64110	4.697	ng	96
92) Benzo(g,h,i)perylene	28.911	276	52811	3.657	ng	95

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

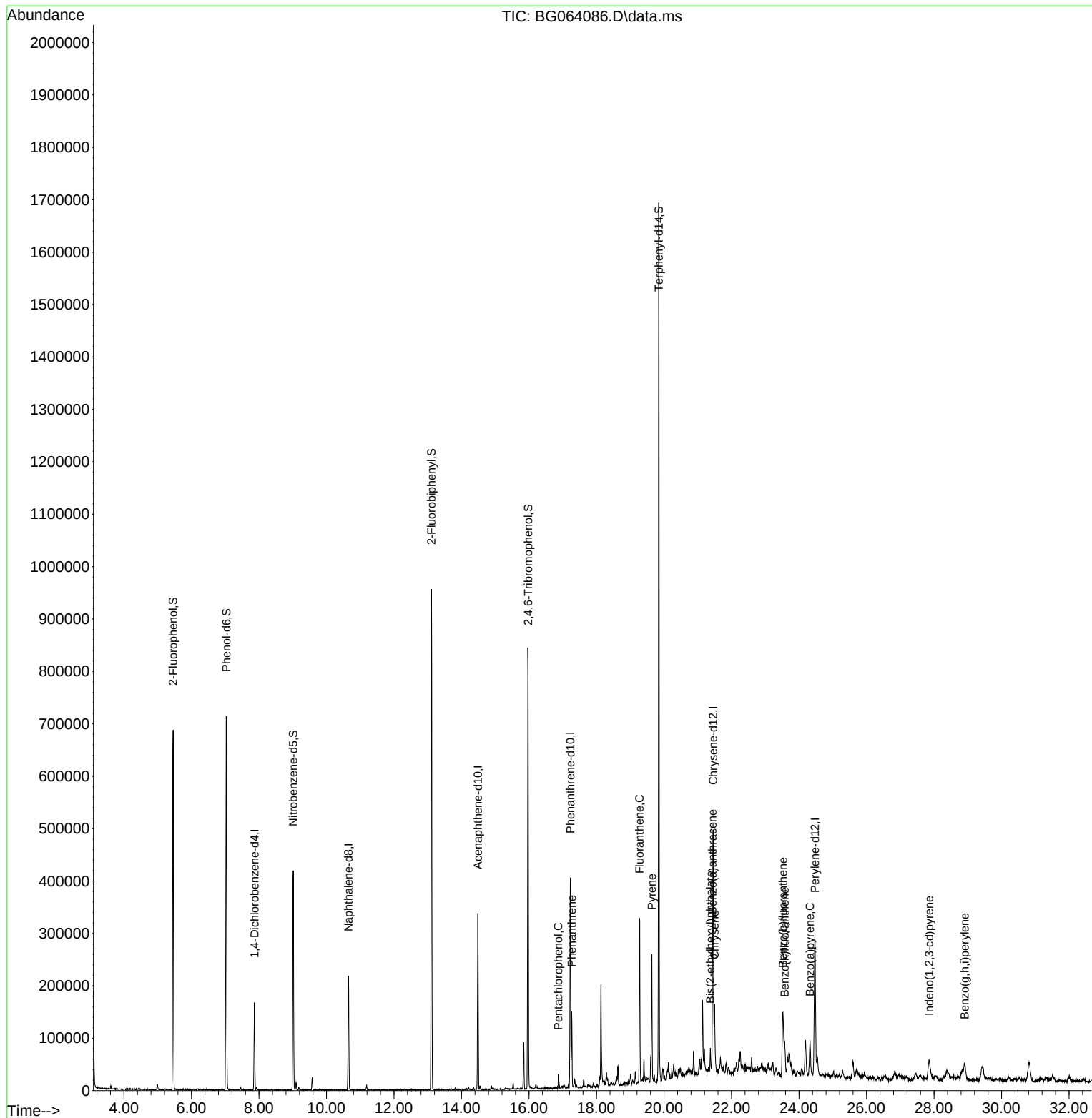
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064086.D
Acq On : 10 Mar 2025 18:26
Operator : RC/JU
Sample : Q1524-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

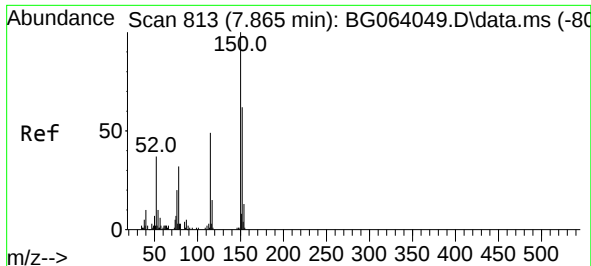
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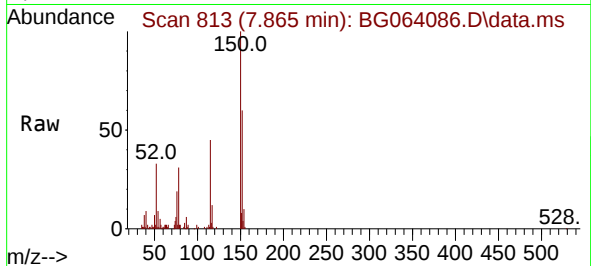
Quant Time: Mar 11 01:20:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.865 min Scan# 813
Delta R.T. -0.000 min
Lab File: BG064086.D
Acq: 10 Mar 2025 18:26

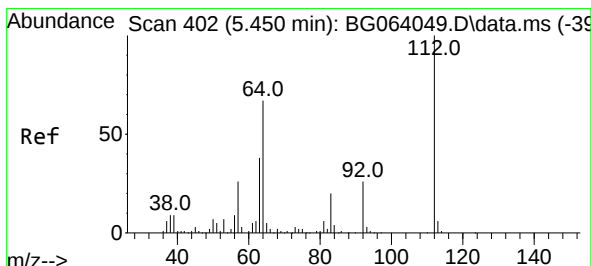
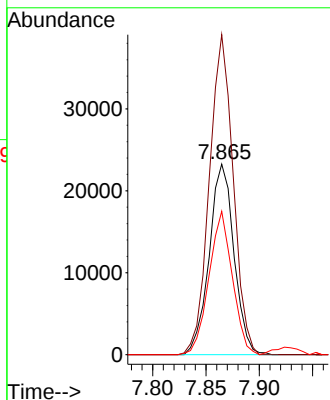
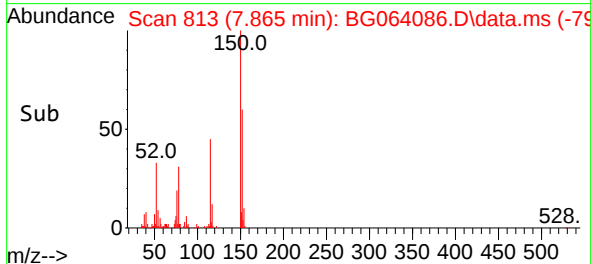
Instrument :
BNA_G
ClientSampleId :
VNJ-241



Tgt Ion:152 Resp: 37538
Ion Ratio Lower Upper
152 100
150 167.9 129.2 193.8
115 75.2 63.0 94.6

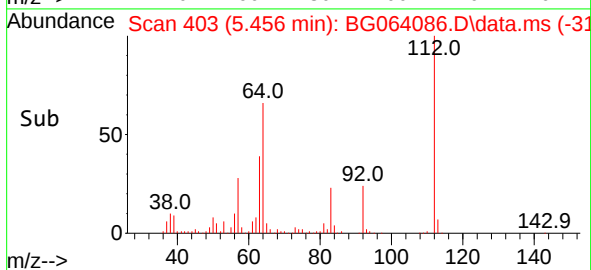
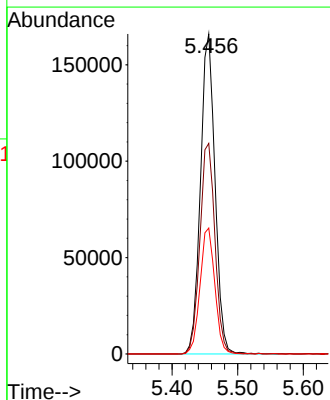
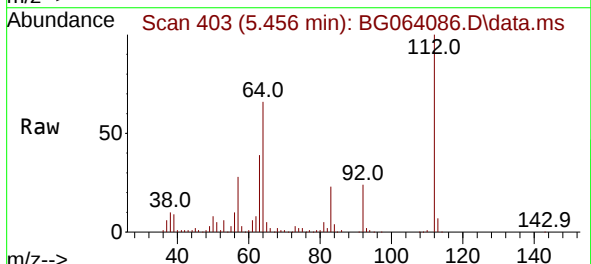
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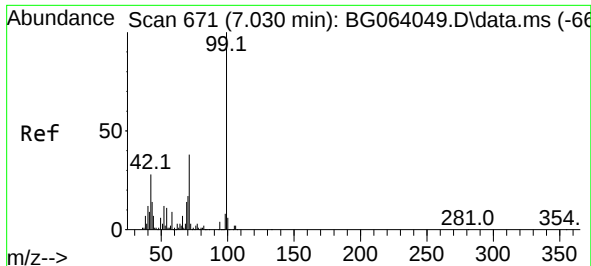
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#5
2-Fluorophenol
Concen: 106.767 ng
RT: 5.456 min Scan# 403
Delta R.T. 0.006 min
Lab File: BG064086.D
Acq: 10 Mar 2025 18:26

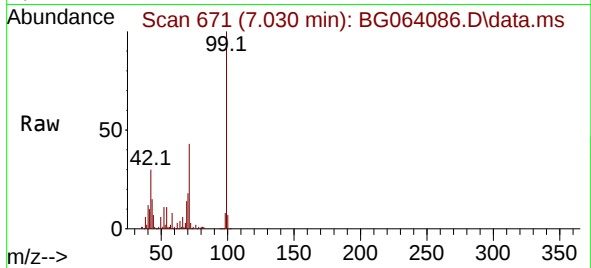
Tgt Ion:112 Resp: 256673
Ion Ratio Lower Upper
112 100
64 65.8 53.7 80.5
63 39.4 30.2 45.4





#7
Phenol-d6
Concen: 104.029 ng
RT: 7.030 min Scan# 61
Delta R.T. 0.000 min
Lab File: BG064086.D
Acq: 10 Mar 2025 18:26

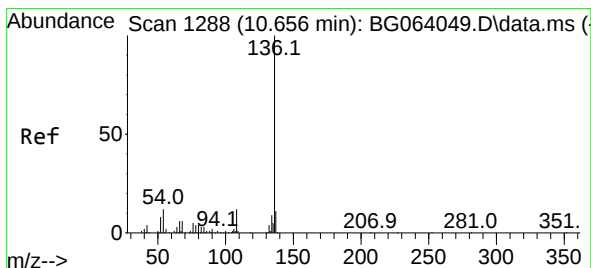
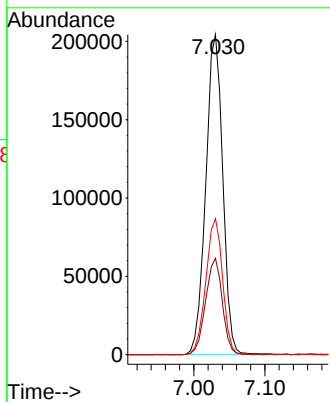
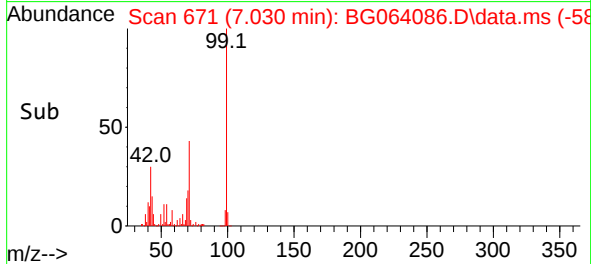
Instrument :
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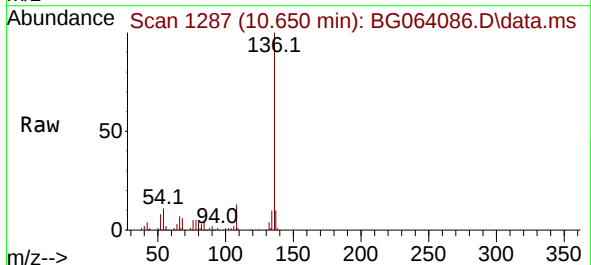
Tgt Ion: 99 Resp: 34022
Ion Ratio Lower Upper
99 100
42 30.1 22.7 34.1
71 42.5 30.6 46.0

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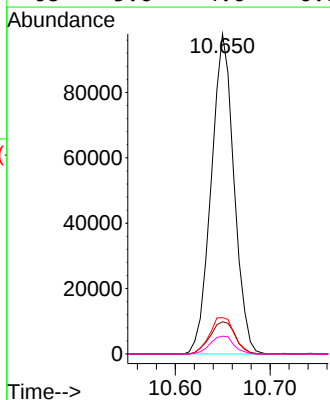
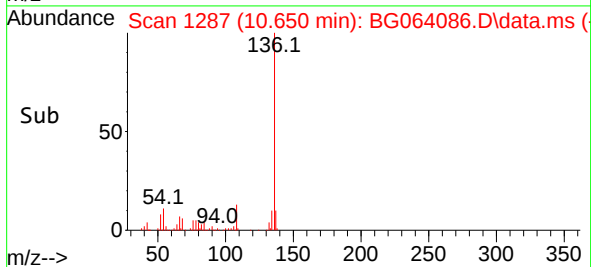
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

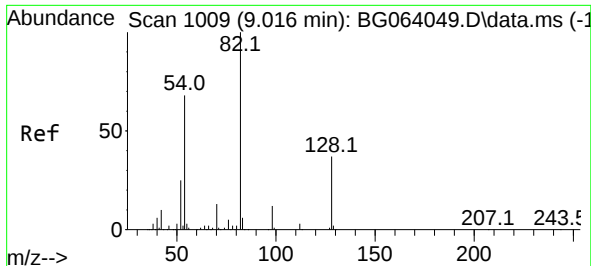


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.650 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BG064086.D
Acq: 10 Mar 2025 18:26



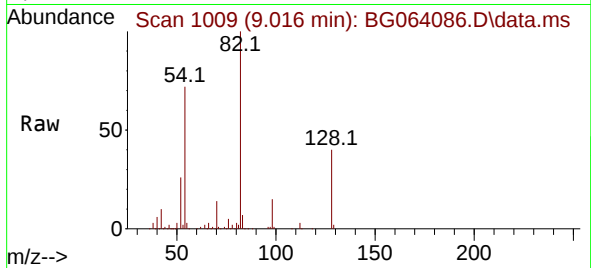
Tgt Ion:136 Resp: 163384
Ion Ratio Lower Upper
136 100
137 10.1 8.5 12.7
54 11.3 9.9 14.9
68 5.6 4.6 6.8





#23
Nitrobenzene-d5
Concen: 72.870 ng
RT: 9.016 min Scan# 1009
Delta R.T. 0.000 min
Lab File: BG064086.D
Acq: 10 Mar 2025 18:26

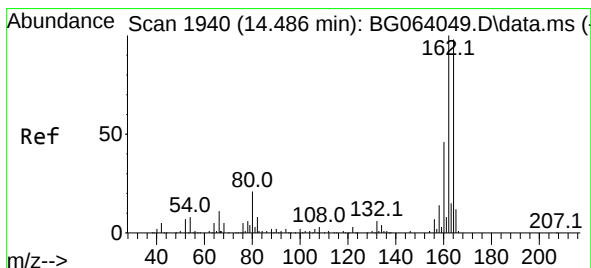
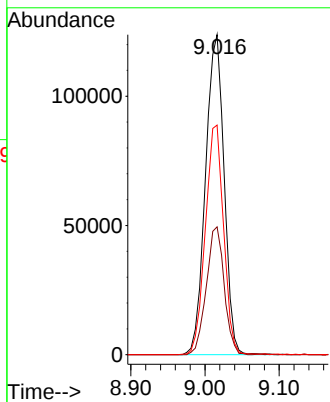
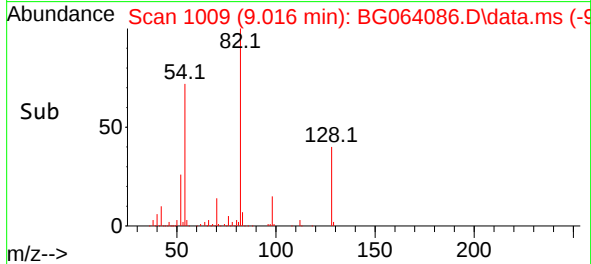
Instrument :
BNA_G
ClientSampleId :
VNJ-241



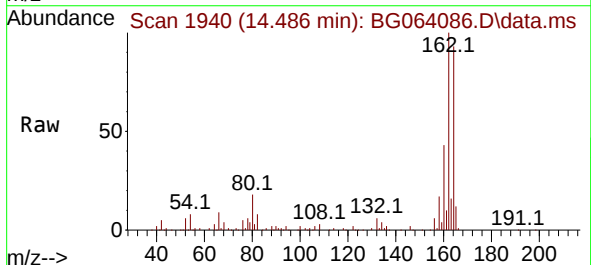
Tgt Ion: 82 Resp: 21544
Ion Ratio Lower Upper
82 100
128 40.0 30.0 45.0
54 71.8 54.7 82.1

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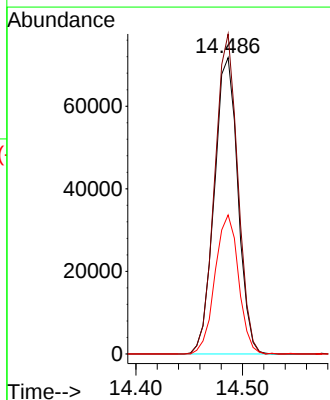
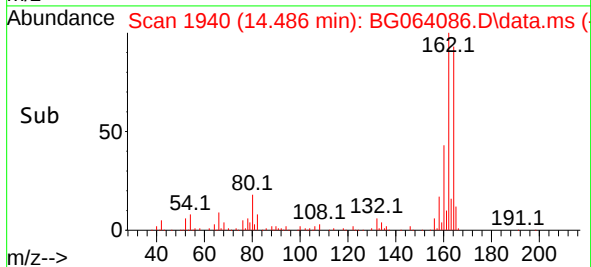
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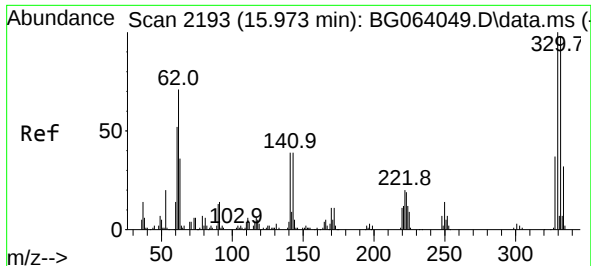


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.486 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BG064086.D
Acq: 10 Mar 2025 18:26



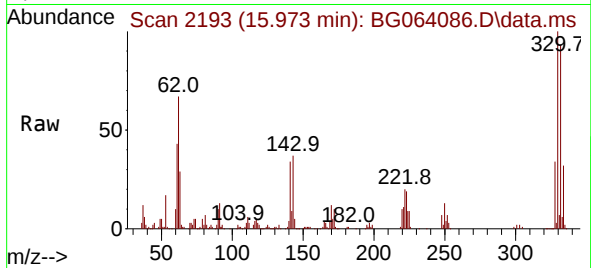
Tgt Ion:164 Resp: 110073
Ion Ratio Lower Upper
164 100
162 108.0 81.4 122.0
160 46.9 37.0 55.6





#42
2,4,6-Tribromophenol
Concen: 115.064 ng
RT: 15.973 min Scan# 2193
Delta R.T. 0.000 min
Lab File: BG064086.D
Acq: 10 Mar 2025 18:26

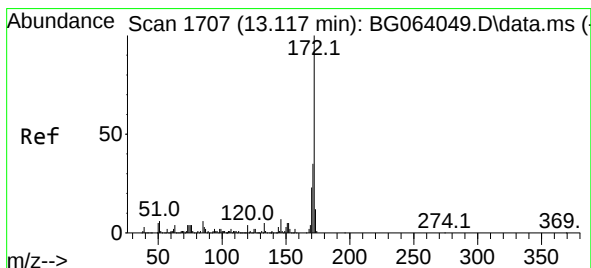
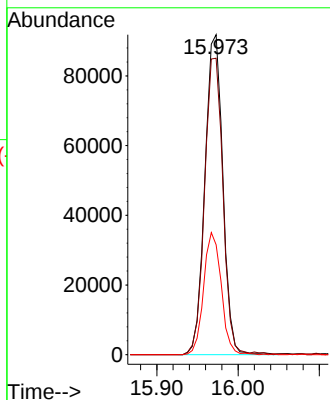
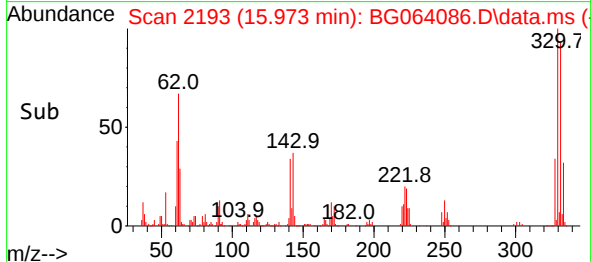
Instrument :
BNA_G
ClientSampleId :
VNJ-241



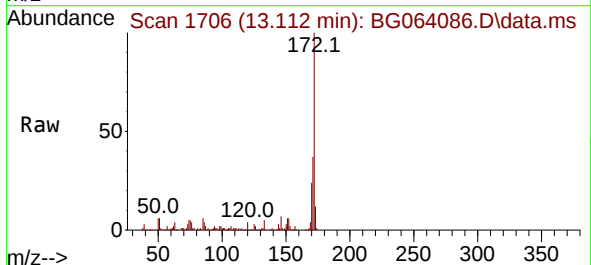
Tgt Ion:330 Resp: 140785
Ion Ratio Lower Upper
330 100
332 94.9 76.7 115.1
141 37.4 29.7 44.5

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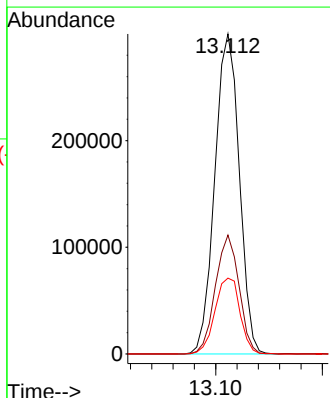
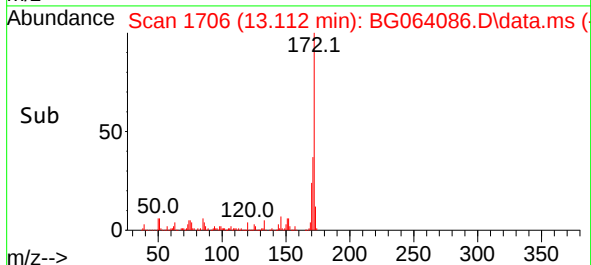
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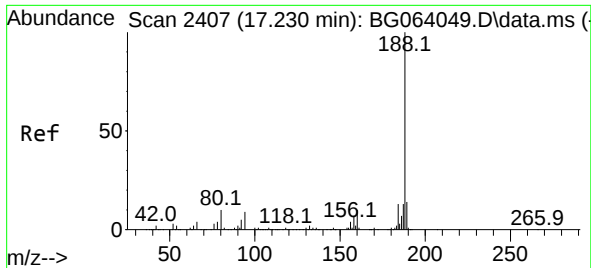


#45
2-Fluorobiphenyl
Concen: 65.827 ng
RT: 13.112 min Scan# 1706
Delta R.T. -0.006 min
Lab File: BG064086.D
Acq: 10 Mar 2025 18:26



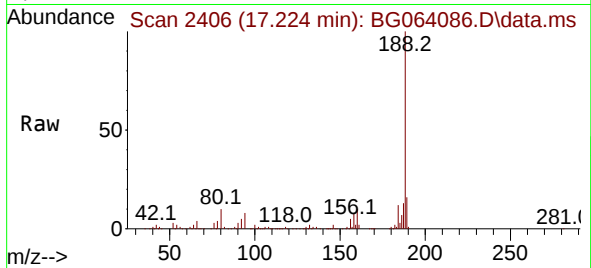
Tgt Ion:172 Resp: 477359
Ion Ratio Lower Upper
172 100
171 37.2 28.0 42.0
170 23.7 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.224 min Scan# 2407
Delta R.T. -0.006 min
Lab File: BG064086.D
Acq: 10 Mar 2025 18:26

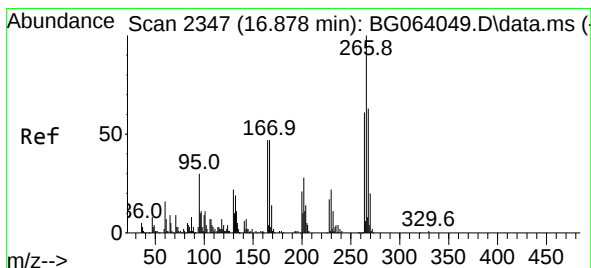
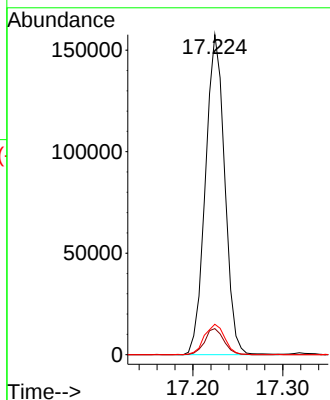
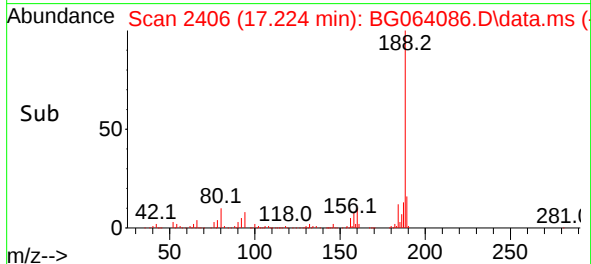
Instrument :
BNA_G
ClientSampleId :
VNJ-241



Tgt Ion:188 Resp: 234725
Ion Ratio Lower Upper
188 100
94 8.1 6.9 10.3
80 9.5 8.1 12.1

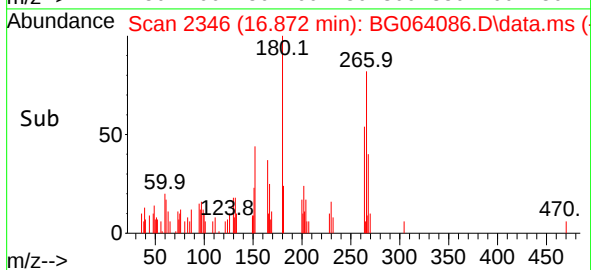
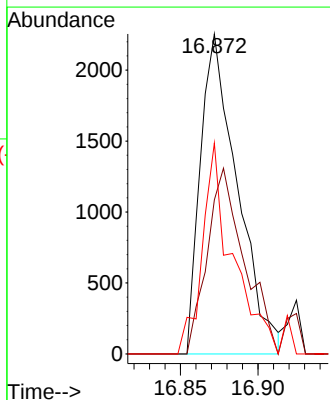
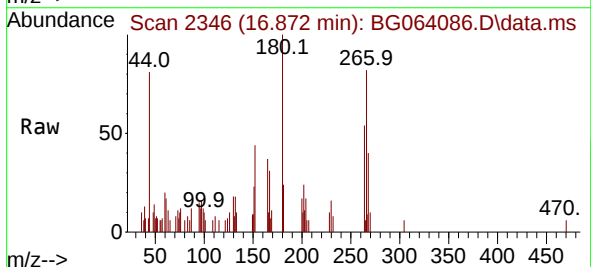
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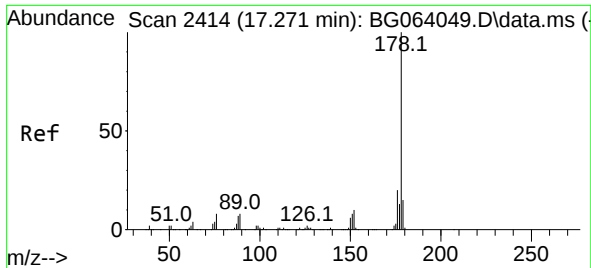
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#70
Pentachlorophenol
Concen: 2.235 ng
RT: 16.872 min Scan# 2346
Delta R.T. -0.006 min
Lab File: BG064086.D
Acq: 10 Mar 2025 18:26

Tgt Ion:266 Resp: 3735
Ion Ratio Lower Upper
266 100
268 48.2 50.2 75.4#
264 65.9 48.9 73.3





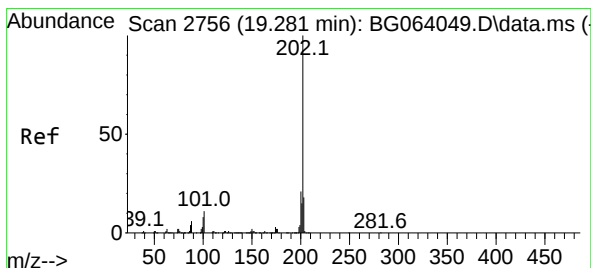
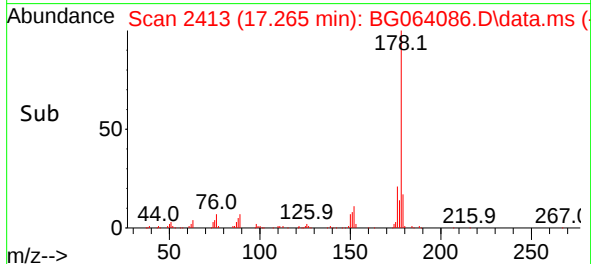
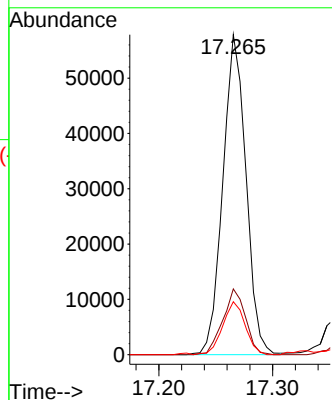
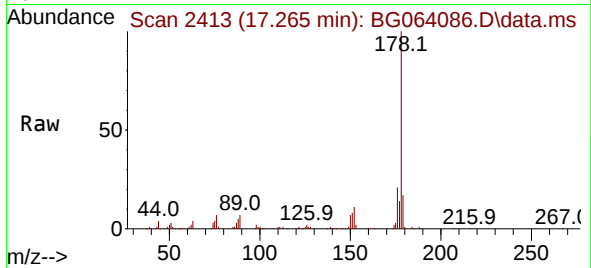
#71
Phenanthrene
Concen: 6.527 ng
RT: 17.265 min Scan# 2414
Delta R.T. -0.006 min
Lab File: BG064086.D
Acq: 10 Mar 2025 18:26

Instrument :
BNA_G
ClientSampleId :
VNJ-241

Tgt Ion:178 Resp: 81710
Ion Ratio Lower Upper
178 100
176 20.6 15.9 23.9
179 16.6 12.2 18.2

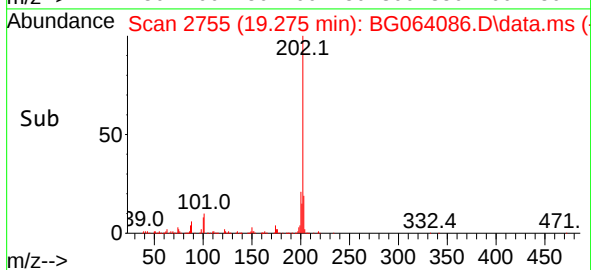
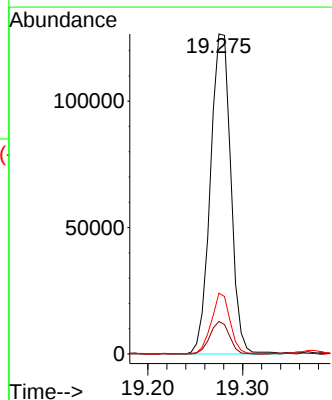
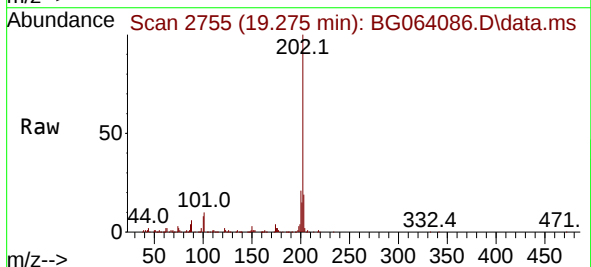
Manual Integrations
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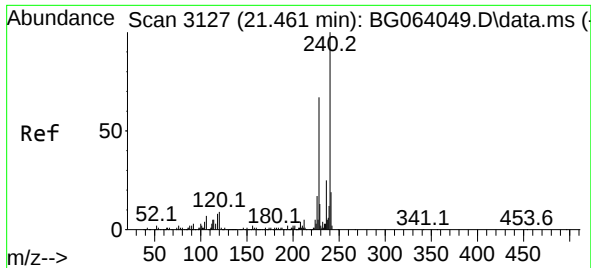
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#75
Fluoranthene
Concen: 12.543 ng
RT: 19.275 min Scan# 2755
Delta R.T. -0.006 min
Lab File: BG064086.D
Acq: 10 Mar 2025 18:26

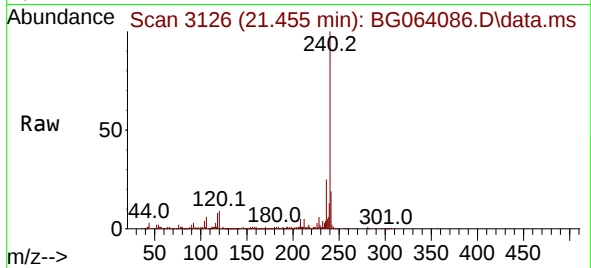
Tgt Ion:202 Resp: 189314
Ion Ratio Lower Upper
202 100
101 10.1 0.0 30.5
203 19.0 0.0 38.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.455 min Scan# 3127
Delta R.T. -0.006 min
Lab File: BG064086.D
Acq: 10 Mar 2025 18:26

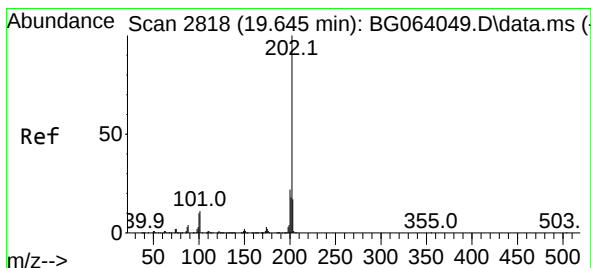
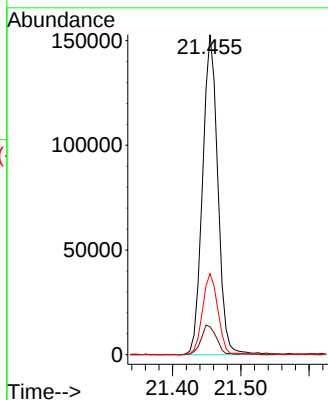
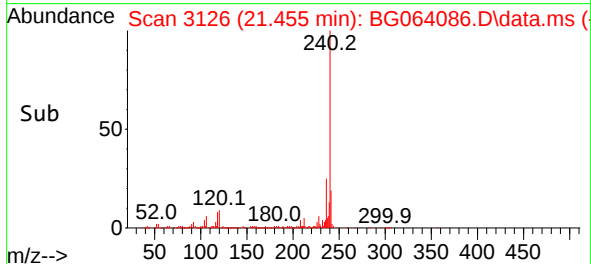
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ClientSampleId :
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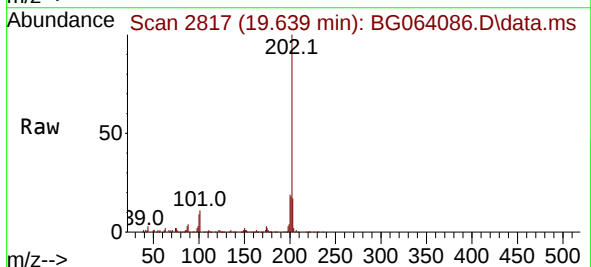
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Ion Ratio Lower Upper
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120 8.7 7.2 10.8
236 25.3 20.2 30.2

Manual Integrations
APPROVED

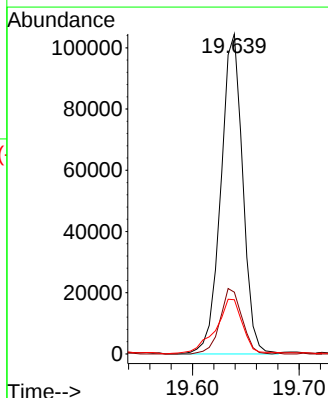
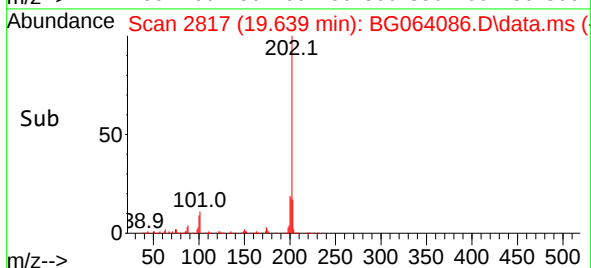
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

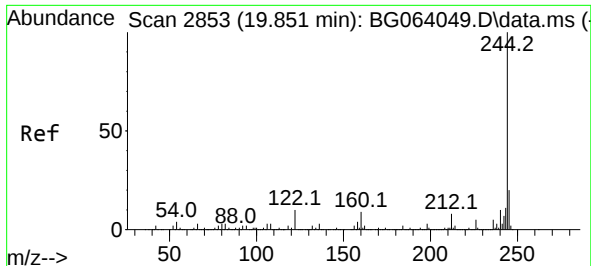


#78
Pyrene
Concen: 9.684 ng
RT: 19.639 min Scan# 2817
Delta R.T. -0.006 min
Lab File: BG064086.D
Acq: 10 Mar 2025 18:26



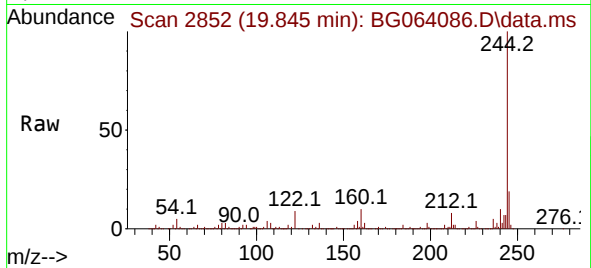
Tgt Ion:202 Resp: 148782
Ion Ratio Lower Upper
202 100
200 19.3 17.3 25.9
203 16.9 13.6 20.4





#79
 Terphenyl-d14
 Concen: 65.810 ng
 RT: 19.845 min Scan# 2852
 Delta R.T. -0.006 min
 Lab File: BG064086.D
 Acq: 10 Mar 2025 18:26

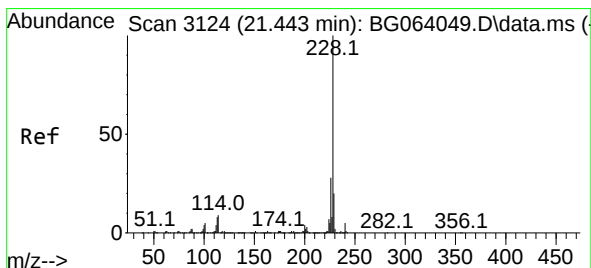
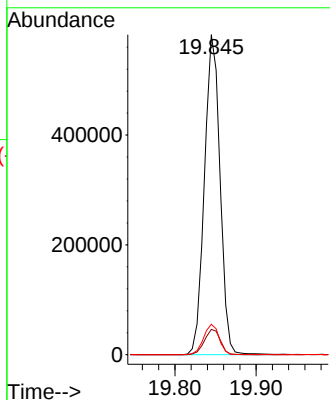
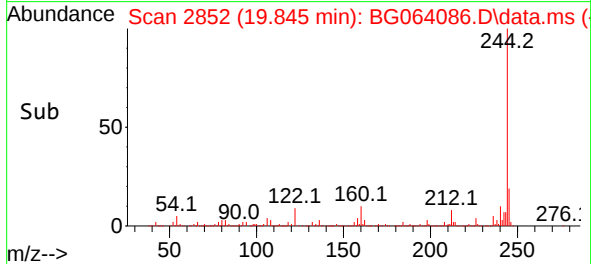
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-241



Tgt Ion:244 Resp: 775712
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.2 9.4
 122 9.5 8.0 12.0

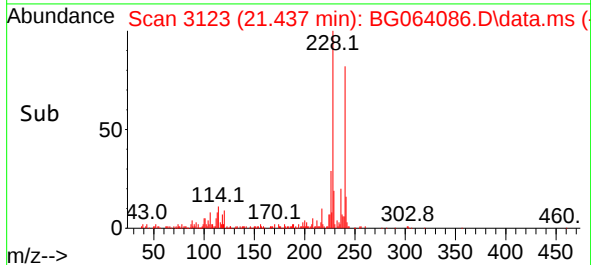
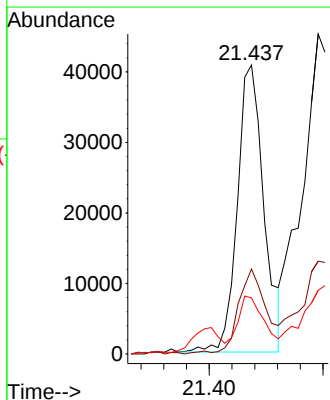
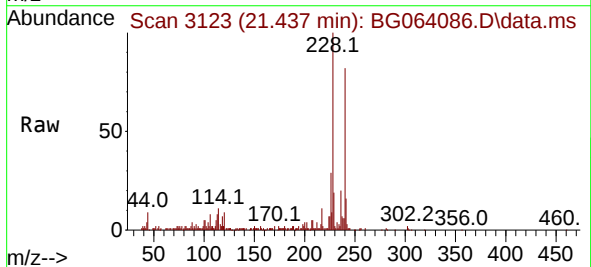
Manual Integrations
 APPROVED

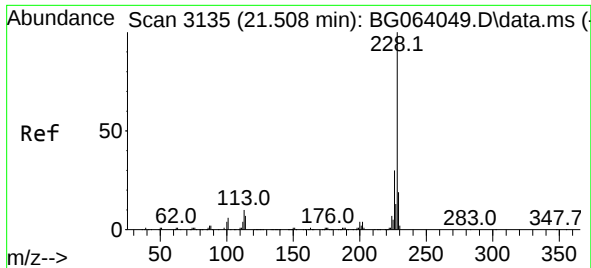
Reviewed By :Anahy Claudio 03/11/2025
 Supervised By :Jagrut Upadhyay 03/11/2025



#81
 Benzo(a)anthracene
 Concen: 4.323 ng
 RT: 21.437 min Scan# 3123
 Delta R.T. -0.006 min
 Lab File: BG064086.D
 Acq: 10 Mar 2025 18:26

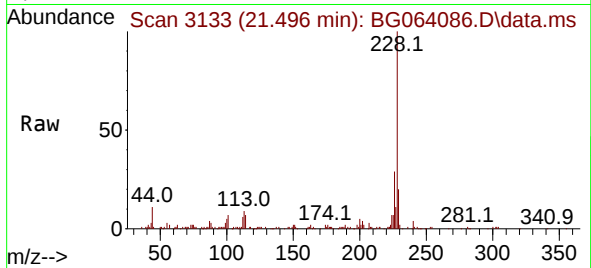
Tgt Ion:228 Resp: 65995
 Ion Ratio Lower Upper
 228 100
 226 29.4 22.2 33.2
 229 19.4 16.4 24.6





#83
Chrysene
Concen: 5.810 ng
RT: 21.496 min Scan# 3112
Delta R.T. -0.012 min
Lab File: BG064086.D
Acq: 10 Mar 2025 18:26

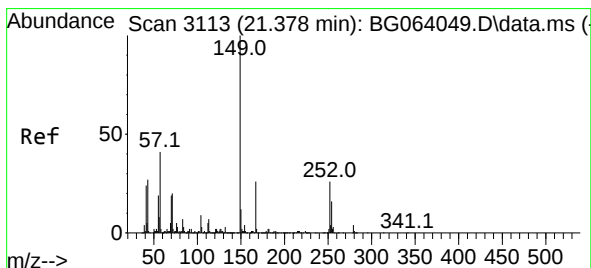
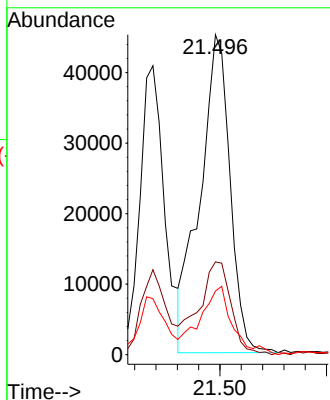
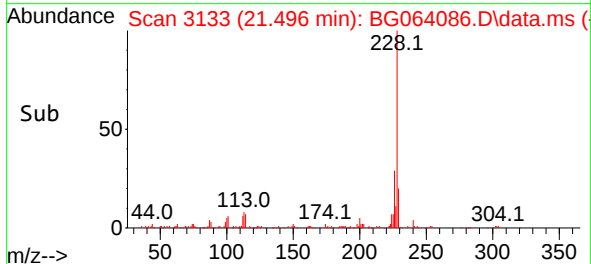
Instrument :
BNA_G
ClientSampleId :
VNJ-241



Tgt Ion:228 Resp: 8846
Ion Ratio Lower Upper
228 100
226 29.0 23.9 35.9
229 19.9 15.3 22.9

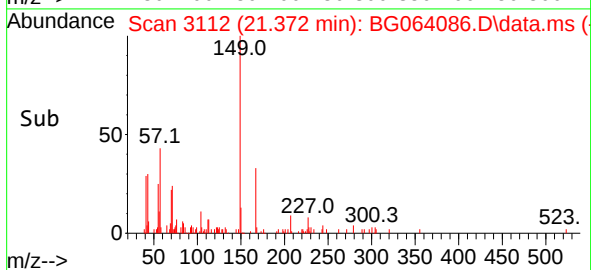
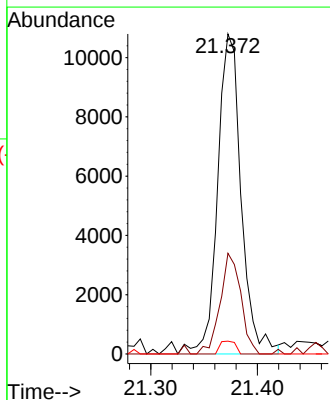
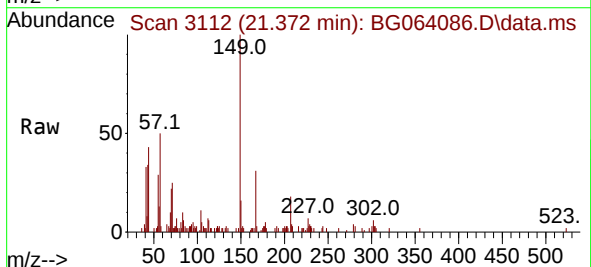
Manual Integrations
APPROVED

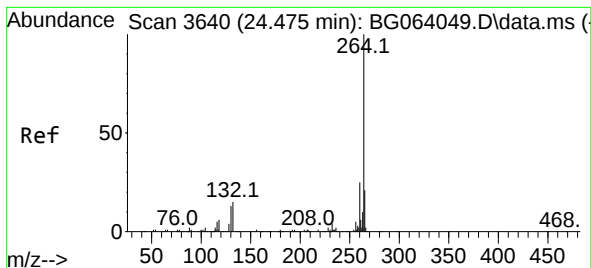
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.005 ng
RT: 21.372 min Scan# 3112
Delta R.T. -0.006 min
Lab File: BG064086.D
Acq: 10 Mar 2025 18:26

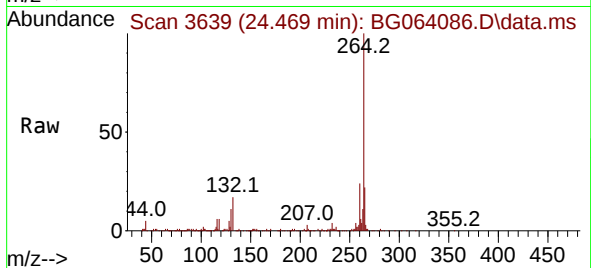
Tgt Ion:149 Resp: 16557
Ion Ratio Lower Upper
149 100
167 31.4 21.0 31.6
279 4.0 2.8 4.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.469 min Scan# 30
Delta R.T. -0.006 min
Lab File: BG064086.D
Acq: 10 Mar 2025 18:26

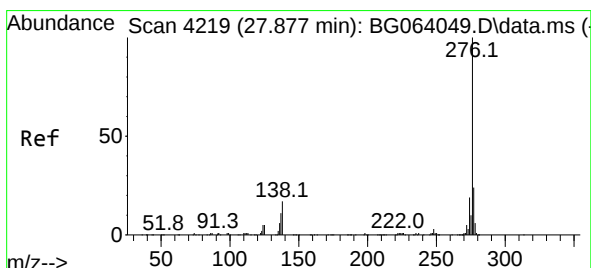
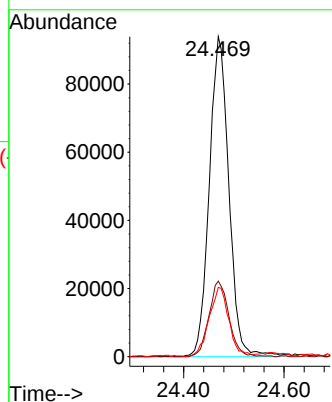
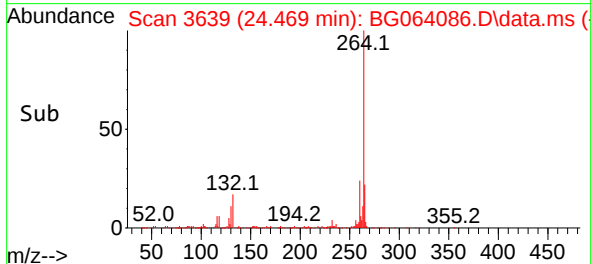
Instrument :
BNA_G
ClientSampleId :
VNJ-241



Tgt Ion:264 Resp: 253538
Ion Ratio Lower Upper
264 100
260 23.6 19.6 29.4
265 21.6 16.6 25.0

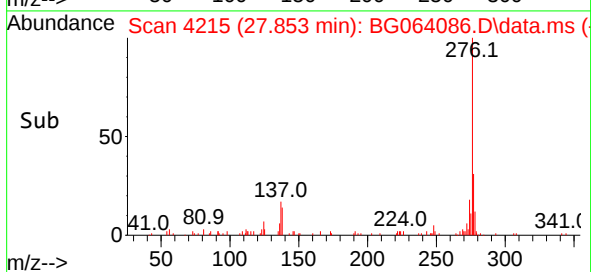
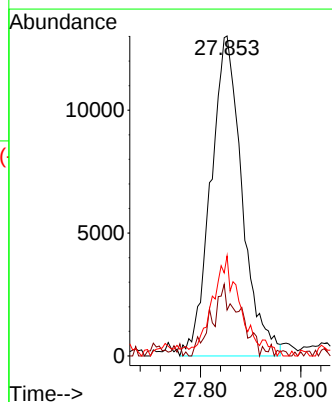
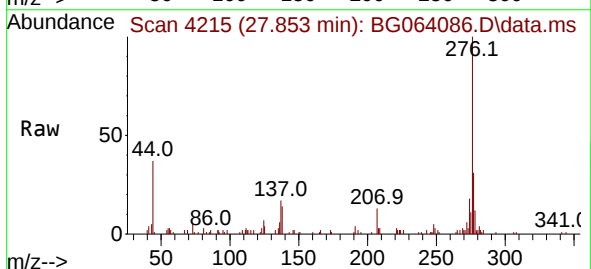
Manual Integrations
APPROVED

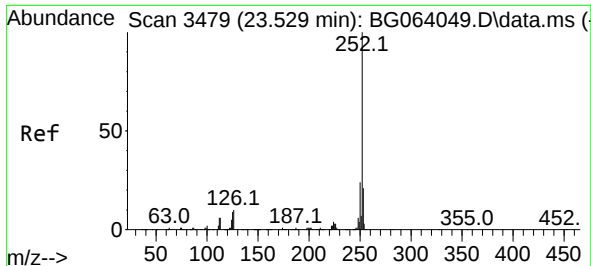
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.327 ng
RT: 27.853 min Scan# 4215
Delta R.T. -0.023 min
Lab File: BG064086.D
Acq: 10 Mar 2025 18:26

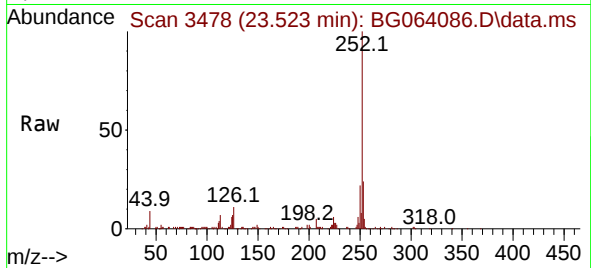
Tgt Ion:276 Resp: 56437
Ion Ratio Lower Upper
276 100
138 20.2 12.1 18.1#
277 23.0 20.0 30.0





#88
Benzo(b)fluoranthene
Concen: 8.594 ng
RT: 23.523 min Scan# 3479
Delta R.T. -0.006 min
Lab File: BG064086.D
Acq: 10 Mar 2025 18:26

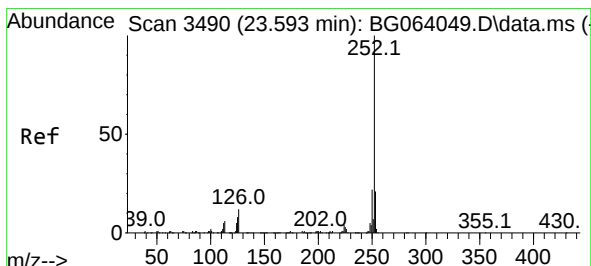
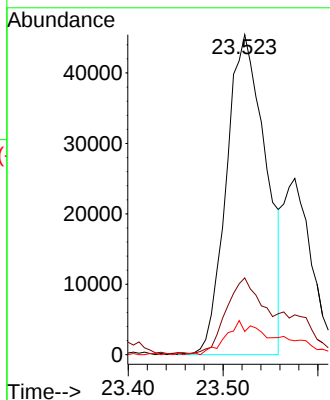
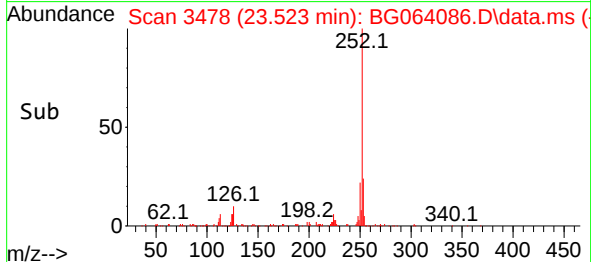
Instrument :
BNA_G
ClientSampleId :
VNJ-241



Tgt Ion:252 Resp: 131728
Ion Ratio Lower Upper
252 100
253 24.0 17.0 25.4
125 7.2 7.4 11.2

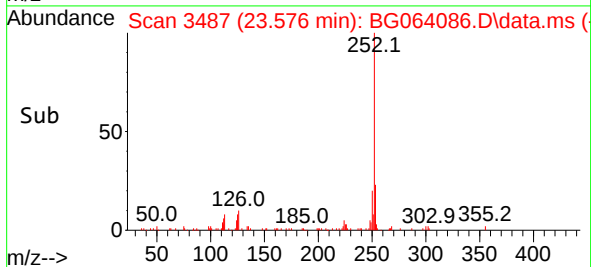
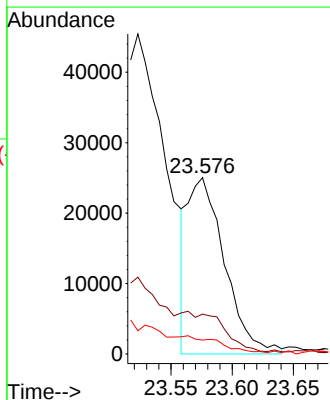
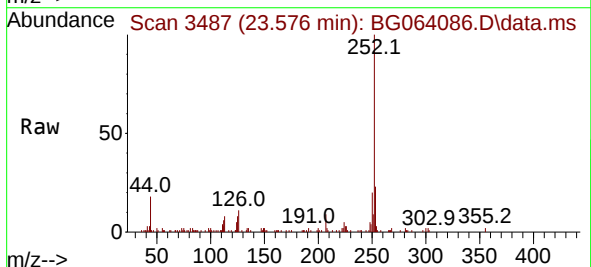
Manual Integrations
APPROVED

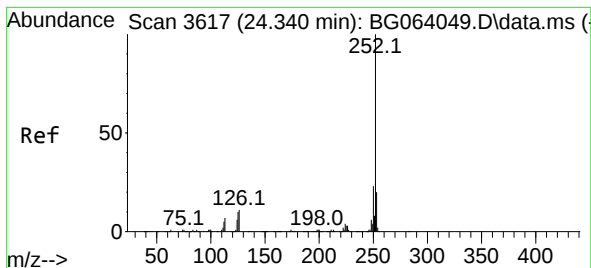
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#89
Benzo(k)fluoranthene
Concen: 3.418 ng m
RT: 23.576 min Scan# 3487
Delta R.T. -0.018 min
Lab File: BG064086.D
Acq: 10 Mar 2025 18:26

Tgt Ion:252 Resp: 52562
Ion Ratio Lower Upper
252 100
253 22.6 16.8 25.2
125 7.9 6.9 10.3





#90

Benzo(a)pyrene

Concen: 4.697 ng

RT: 24.328 min Scan# 30

Delta R.T. -0.012 min

Lab File: BG064086.D

Acq: 10 Mar 2025 18:26

Instrument :

BNA_G

ClientSampleId :

VNJ-241

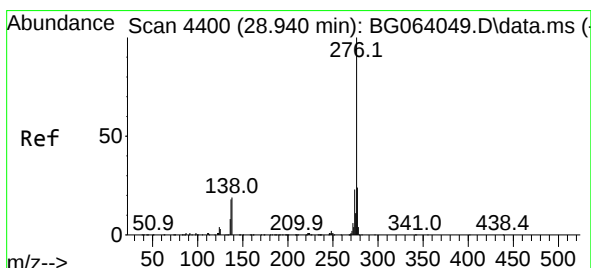
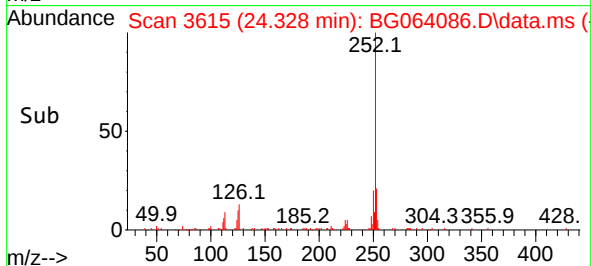
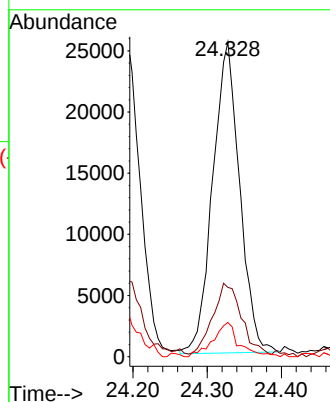
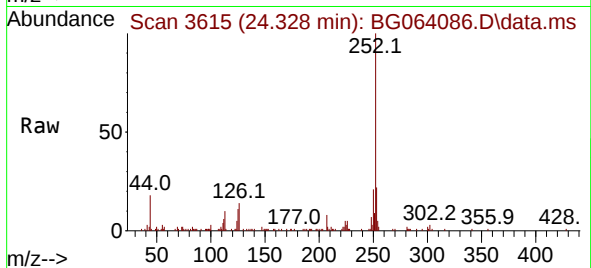
Tgt Ion:	252	Resp:	64110
Ion Ratio	Lower	Upper	
252	100		
253	22.0	16.2	24.2
125	10.9	7.8	11.6

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/11/2025

Supervised By :Jagrut Upadhyay 03/11/2025



#92

Benzo(g,h,i)perylene

Concen: 3.657 ng

RT: 28.911 min Scan# 4395

Delta R.T. -0.029 min

Lab File: BG064086.D

Acq: 10 Mar 2025 18:26

Tgt Ion:	276	Resp:	52811
Ion Ratio	Lower	Upper	
276	100		
277	22.4	19.5	29.3
138	22.2	15.4	23.0

