

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092225\
 Data File : BG064424.D
 Acq On : 22 Sep 2025 21:02
 Operator : RC/JU
 Sample : Q3133-02MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

VNJ-238MSD

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/23/2025

Supervised By :Jagrut Upadhyay 09/23/2025

Quant Time: Sep 23 01:53:24 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Aug 28 17:41:58 2025

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.841	152	17185	20.000	ng	-0.02
21) Naphthalene-d8	10.626	136	75788	20.000	ng	#-0.02
39) Acenaphthene-d10	14.469	164	57701	20.000	ng	-0.01
64) Phenanthrene-d10	17.207	188	138853	20.000	ng	#-0.02
76) Chrysene-d12	21.437	240	148540	20.000	ng	#-0.02
86) Perylene-d12	24.434	264	163739	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.433	112	157183	164.097	ng	-0.01
7) Phenol-d6	7.019	99	203176	154.396	ng	-0.01
23) Nitrobenzene-d5	8.993	82	159460	117.342	ng	-0.02
42) 2,4,6-Tribromophenol	15.956	330	172690	225.952	ng	-0.02
45) 2-Fluorobiphenyl	13.088	172	437744	115.796	ng	-0.02
79) Terphenyl-d14	19.827	244	888951	124.859	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.358	88	14622	36.624	ng	# 52
3) Pyridine	3.752	79	38646	32.884	ng	# 58
4) n-Nitrosodimethylamine	3.652	42	40240	51.766	ng	89
6) Aniline	7.172	93	53856	29.595	ng	99
8) 2-Chlorophenol	7.407	128	63657	54.385	ng	98
9) Benzaldehyde	6.978	77	31583	29.164	ng	96
10) Phenol	7.042	94	69077	47.612	ng	84
11) bis(2-Chloroethyl)ether	7.266	93	44321	40.653	ng	99
12) 1,3-Dichlorobenzene	7.730	146	61223	49.166	ng	97
13) 1,4-Dichlorobenzene	7.877	146	62106	49.419	ng	96
14) 1,2-Dichlorobenzene	8.188	146	61582	50.772	ng	98
15) Benzyl Alcohol	8.076	79	67238	55.368	ng	# 89
16) 2,2'-oxybis(1-Chloropr...	8.370	45	80384	32.294	ng	91
17) 2-Methylphenol	8.288	107	56053	51.839	ng	92
18) Hexachloroethane	8.917	117	23690	48.291	ng	89
19) n-Nitroso-di-n-propyla...	8.646	70	48844	48.498	ng	# 96
20) 3+4-Methylphenols	8.611	107	75203	50.053	ng	97
22) Acetophenone	8.658	105	108863	56.778	ng	# 95
24) Nitrobenzene	9.034	77	73947	52.082	ng	99
25) Isophorone	9.557	82	139107	49.254	ng	95
26) 2-Nitrophenol	9.745	139	36304	59.175	ng	# 83
27) 2,4-Dimethylphenol	9.810	122	66774	61.994	ng	95
28) bis(2-Chloroethoxy)met...	10.039	93	72123	47.359	ng	96
29) 2,4-Dichlorophenol	10.280	162	70152	61.727	ng	95
30) 1,2,4-Trichlorobenzene	10.491	180	68728	57.354	ng	94
31) Naphthalene	10.673	128	201175	51.189	ng	98
32) Benzoic acid	9.992	122	73365	85.806	ng	96
33) 4-Chloroaniline	10.791	127	15590	10.235	ng	# 83
34) Hexachlorobutadiene	10.967	225	54063	61.034	ng	92
35) Caprolactam	11.567	113	20456m	46.485	ng	
36) 4-Chloro-3-methylphenol	11.919	107	88534	60.041	ng	98
37) 2-Methylnaphthalene	12.289	142	146601	50.185	ng	95
38) 1-Methylnaphthalene	12.507	142	152769	52.946	ng	97
40) 1,2,4,5-Tetrachloroben...	12.659	216	106314	63.858	ng	97
41) Hexachlorocyclopentadiene	12.642	237	127618	161.286	ng	93
43) 2,4,6-Trichlorophenol	12.900	196	69102	62.099	ng	95

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 Misc :
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Instrument :
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 ClientSampleId :
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Quant Time: Sep 23 01:53:24 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 28 17:41:58 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 09/23/2025
 Supervised By :Jagrut Upadhyay 09/23/2025

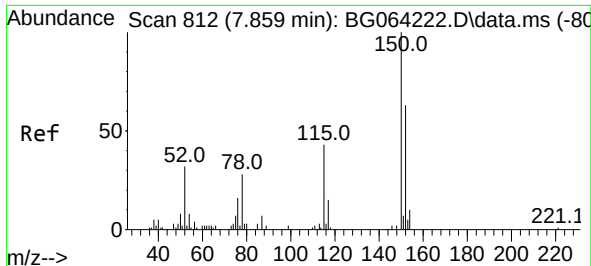
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.971	196	74992	62.126	ng	96
46) 1,1'-Biphenyl	13.300	154	255737	60.852	ng	96
47) 2-Chloronaphthalene	13.341	162	167540	53.027	ng	96
48) 2-Nitroaniline	13.541	65	63246	58.731	ng	89
49) Acenaphthylene	14.187	152	295177	63.200	ng	99
50) Dimethylphthalate	13.928	163	247547	56.680	ng	99
51) 2,6-Dinitrotoluene	14.040	165	53434	63.197	ng	98
52) Acenaphthene	14.534	154	171886	52.150	ng	99
53) 3-Nitroaniline	14.369	138	21803	24.617	ng	# 96
54) 2,4-Dinitrophenol	14.581	184	73819	129.840	ng	# 76
55) Dibenzofuran	14.869	168	294528	56.811	ng	99
56) 4-Nitrophenol	14.692	139	76557	105.376	ng	# 73
57) 2,4-Dinitrotoluene	14.833	165	82793	64.761	ng	# 97
58) Fluorene	15.515	166	249559	58.731	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.098	232	75892	65.368	ng	98
60) Diethylphthalate	15.292	149	264047	56.491	ng	99
61) 4-Chlorophenyl-phenyle...	15.509	204	129396	61.076	ng	100
62) 4-Nitroaniline	15.538	138	51967	57.501	ng	# 81
63) Azobenzene	15.803	77	221338	53.130	ng	91
65) 4,6-Dinitro-2-methylph...	15.597	198	53985	67.718	ng	95
66) n-Nitrosodiphenylamine	15.726	169	218361	57.167	ng	97
67) 4-Bromophenyl-phenylether	16.402	248	92109	62.456	ng	98
68) Hexachlorobenzene	16.520	284	101374	61.899	ng	95
69) Atrazine	16.672	200	97748	61.288	ng	96
70) Pentachlorophenol	16.866	266	134616	135.561	ng	93
71) Phenanthrene	17.248	178	414732	56.630	ng	98
72) Anthracene	17.342	178	424516	56.985	ng	99
73) Carbazole	17.612	167	374300	57.035	ng	99
74) Di-n-butylphthalate	18.176	149	465863	59.086	ng	99
75) Fluoranthene	19.258	202	498405	57.879	ng	97
77) Benzidine	19.440	184	140867	45.081	ng	96
78) Pyrene	19.622	202	517756	55.326	ng	99
80) Butylbenzylphthalate	20.515	149	205267	58.155	ng	96
81) Benzo(a)anthracene	21.420	228	542960	57.136	ng	99
82) 3,3'-Dichlorobenzidine	21.337	252	81443	26.315	ng	99
83) Chrysene	21.478	228	506126	55.477	ng	99
84) Bis(2-ethylhexyl)phtha...	21.343	149	294058	55.490	ng	99
85) Di-n-octyl phthalate	22.471	149	494880	53.596	ng	96
87) Indeno(1,2,3-cd)pyrene	27.818	276	655408	58.613	ng	99
88) Benzo(b)fluoranthene	23.488	252	540387	58.476	ng	# 97
89) Benzo(k)fluoranthene	23.552	252	529566	56.249	ng	# 95
90) Benzo(a)pyrene	24.299	252	514992	59.908	ng	# 97
91) Dibenzo(a,h)anthracene	27.871	278	529955	59.028	ng	95
92) Benzo(g,h,i)perylene	28.870	276	523235	59.893	ng	# 94

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

Manual Integrations APPROVED

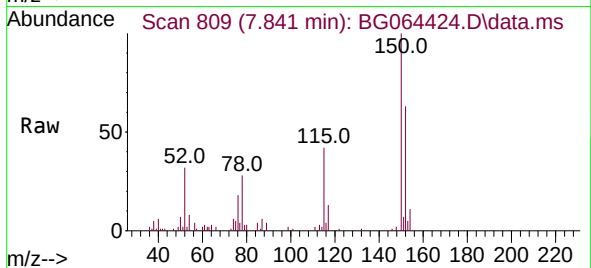
Quant Time: Sep 23 01:53:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 28 17:41:58 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.841 min Scan# 80
Delta R.T. -0.018 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

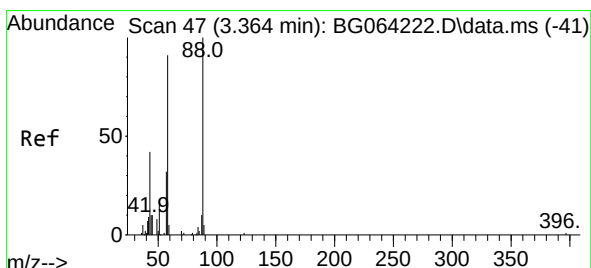
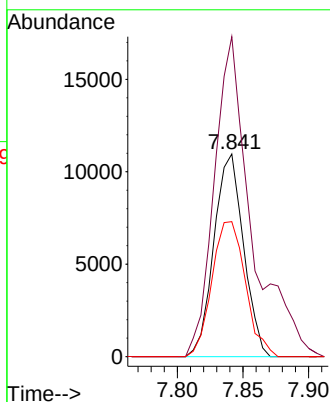
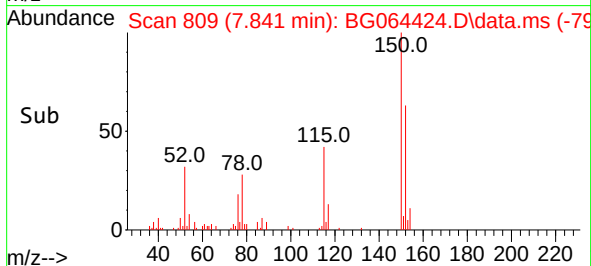
Instrument :
BNA_G
ClientSampleId :
VNJ-238MSD



Tgt Ion:152 Resp: 17185
Ion Ratio Lower Upper
152 100
150 158.0 128.0 192.0
115 66.7 55.7 83.5

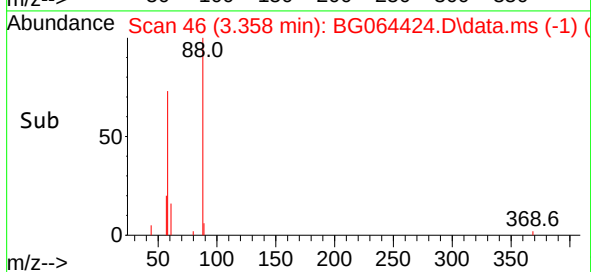
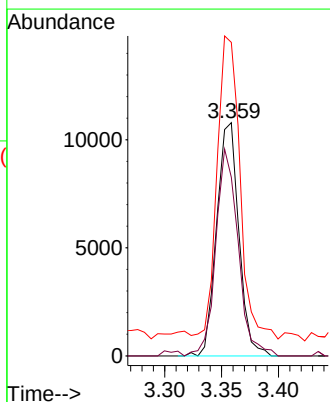
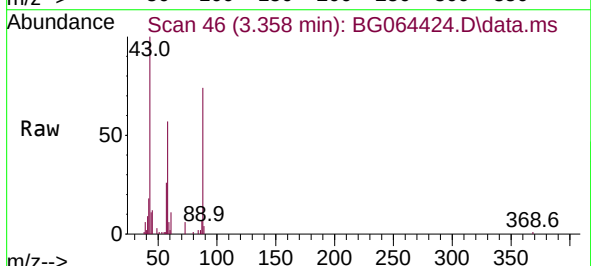
Manual Integrations
APPROVED

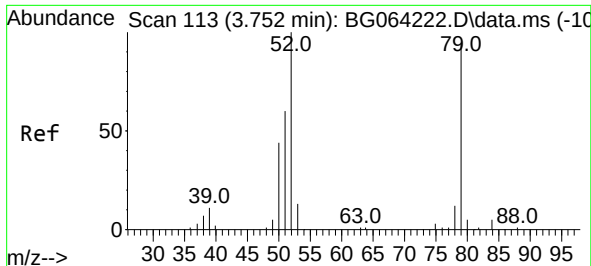
Reviewed By :Rahul Chavli 09/23/2025
Supervised By :Jagrut Upadhyay 09/23/2025



#2
1,4-Dioxane
Concen: 36.624 ng
RT: 3.358 min Scan# 46
Delta R.T. -0.000 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

Tgt Ion: 88 Resp: 14622
Ion Ratio Lower Upper
88 100
58 89.4 80.8 121.2
43 134.2 40.3 60.5





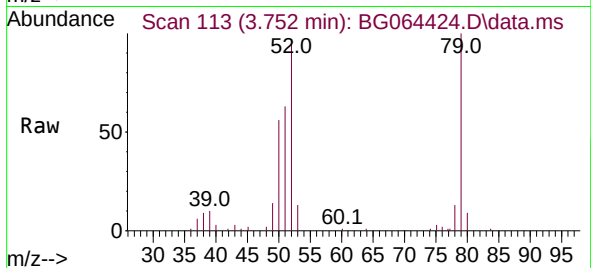
#3
Pyridine
Concen: 32.884 ng
RT: 3.752 min Scan# 113
Delta R.T. -0.000 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

Instrument :

BNA_G

ClientSampleId :

VNJ-238MSD



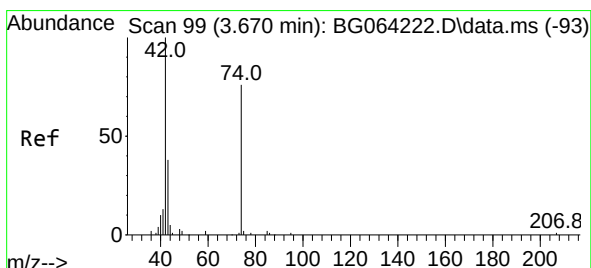
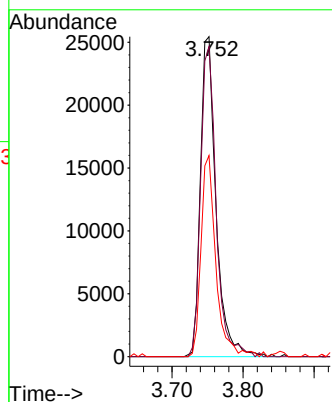
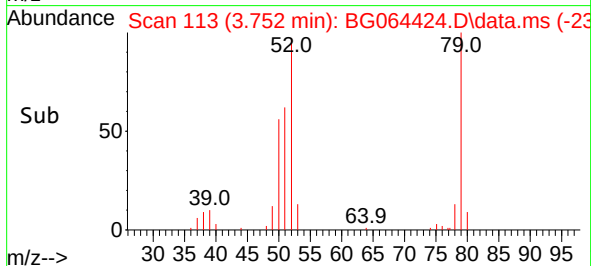
Tgt Ion: 79 Resp: 38646
Ion Ratio Lower Upper
79 100
52 96.9 86.6 129.8
51 62.8 114.1 171.1

Manual Integrations

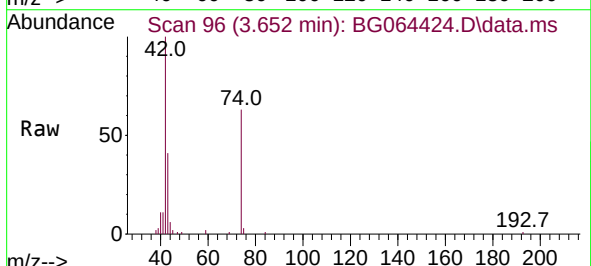
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Reviewed By :Rahul Chavli 09/23/2025

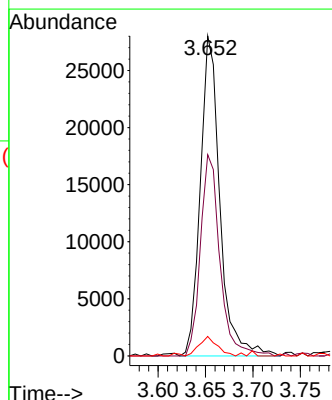
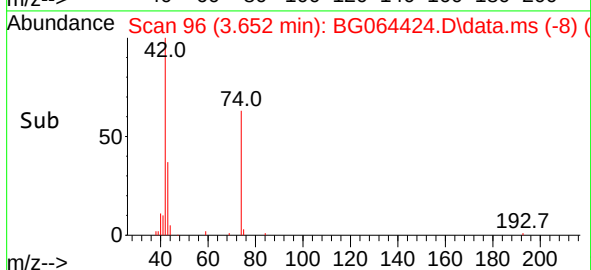
Supervised By :Jagrut Upadhyay 09/23/2025

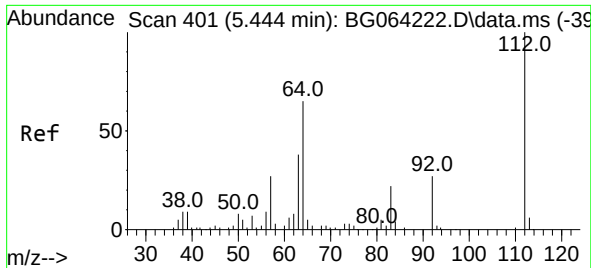


#4
n-Nitrosodimethylamine
Concen: 51.766 ng
RT: 3.652 min Scan# 96
Delta R.T. -0.012 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02



Tgt Ion: 42 Resp: 40240
Ion Ratio Lower Upper
42 100
74 62.9 58.0 87.0
44 6.1 5.5 8.3





#5
2-Fluorophenol
Concen: 164.097 ng
RT: 5.433 min Scan# 399
Delta R.T. -0.012 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

Instrument :

BNA_G

ClientSampleId :

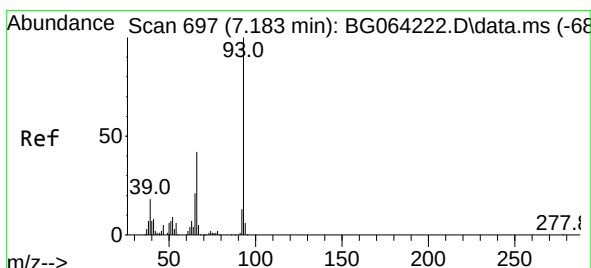
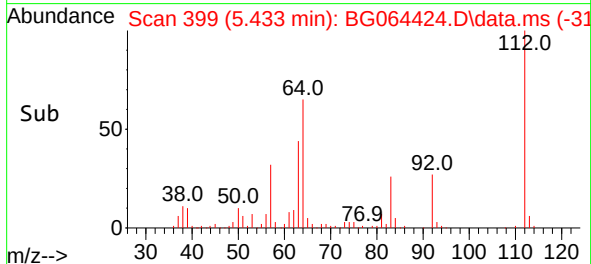
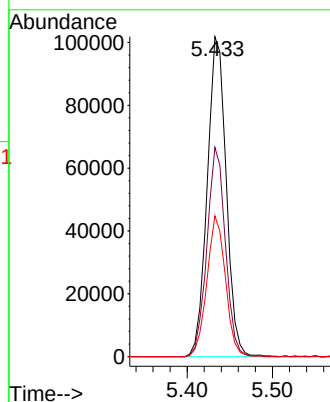
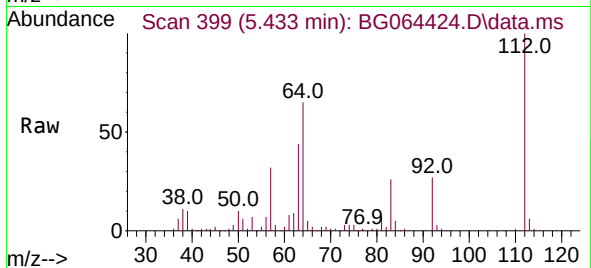
VNJ-238MSD

Tgt Ion:112 Resp: 157183
Ion Ratio Lower Upper
112 100
64 65.4 51.8 77.6
63 44.0 30.6 45.8

Manual Integrations

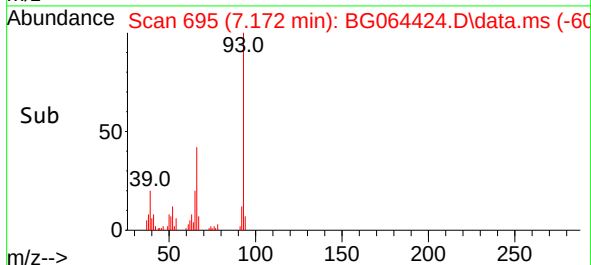
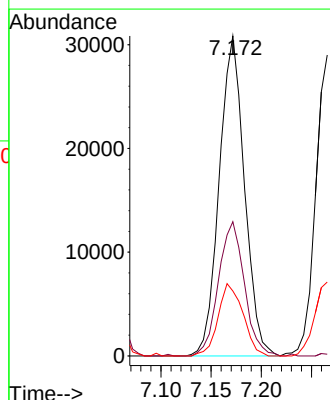
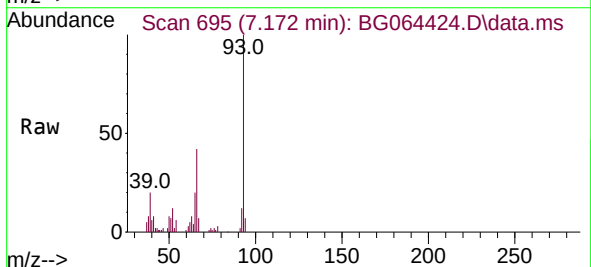
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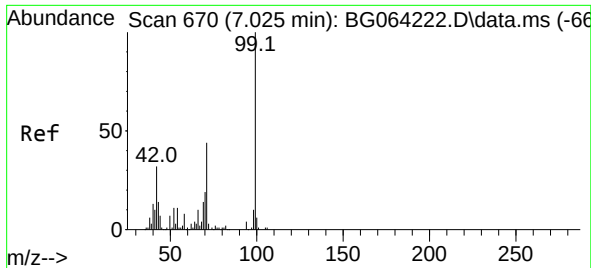
Reviewed By :Rahul Chavli 09/23/2025
Supervised By :Jagrut Upadhyay 09/23/2025



#6
Aniline
Concen: 29.595 ng
RT: 7.172 min Scan# 695
Delta R.T. -0.018 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

Tgt Ion: 93 Resp: 53856
Ion Ratio Lower Upper
93 100
66 42.0 33.8 50.8
65 20.3 16.9 25.3





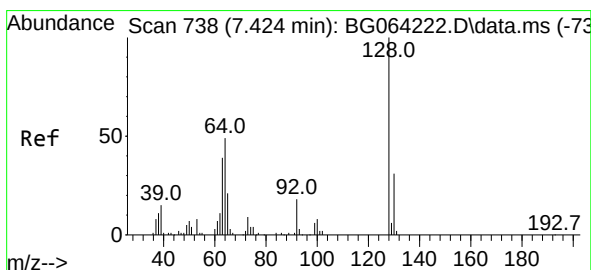
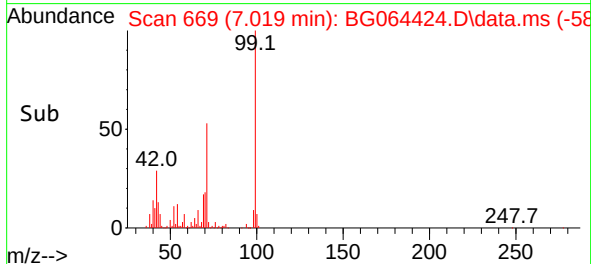
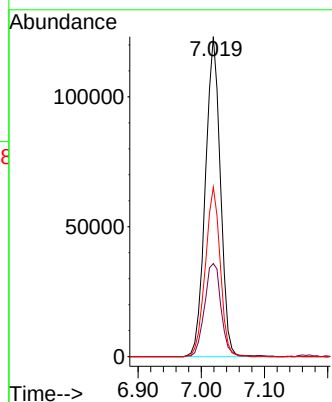
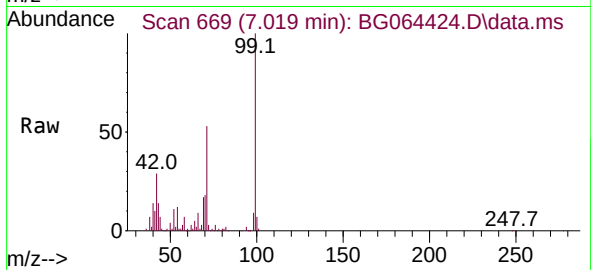
#7
Phenol-d6
Concen: 154.396 ng
RT: 7.019 min Scan# 60
Delta R.T. -0.012 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

Instrument :
BNA_G
ClientSampleId :
VNJ-238MSD

Tgt Ion: 99 Resp: 203176
Ion Ratio Lower Upper
99 100
42 29.1 25.8 38.8
71 53.0 35.2 52.8

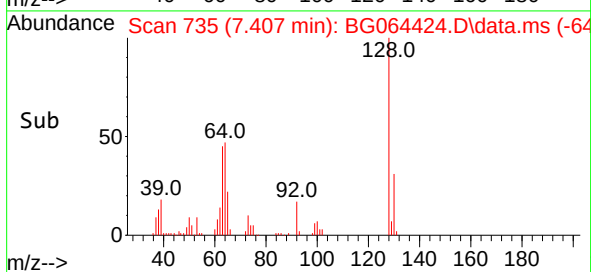
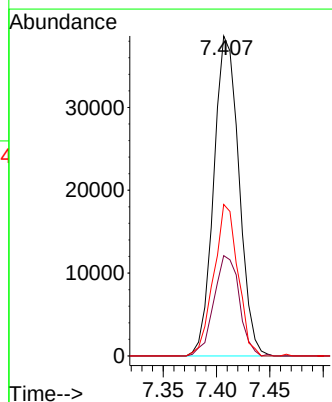
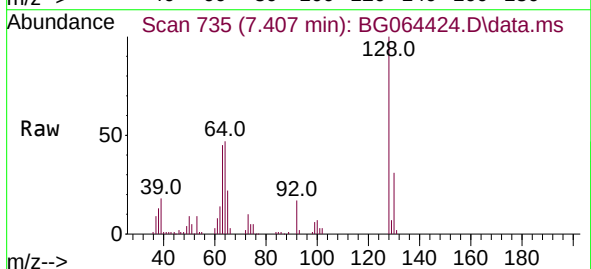
Manual Integrations
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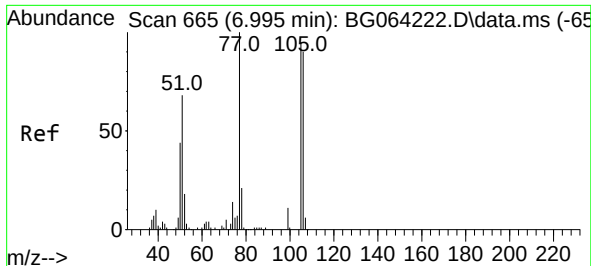
Reviewed By :Rahul Chavli 09/23/2025
Supervised By :Jagrut Upadhyay 09/23/2025



#8
2-Chlorophenol
Concen: 54.385 ng
RT: 7.407 min Scan# 735
Delta R.T. -0.018 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

Tgt Ion:128 Resp: 63657
Ion Ratio Lower Upper
128 100
130 31.3 10.9 50.9
64 47.3 28.7 68.7





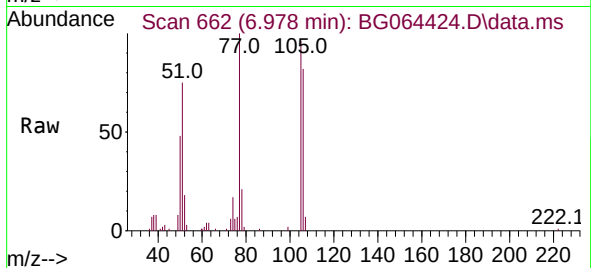
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Benzaldehyde
Concen: 29.164 ng
RT: 6.978 min Scan# 662
Delta R.T. -0.017 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

Instrument :

BNA_G

ClientSampleId :

VNJ-238MSD



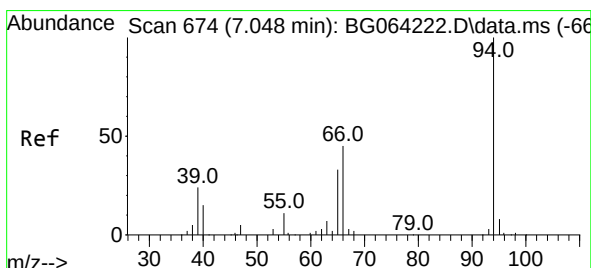
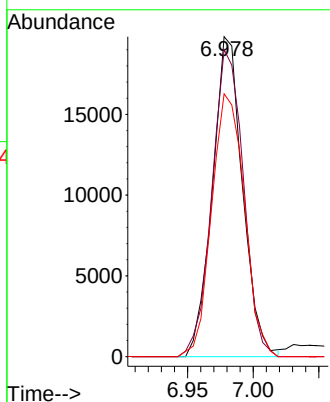
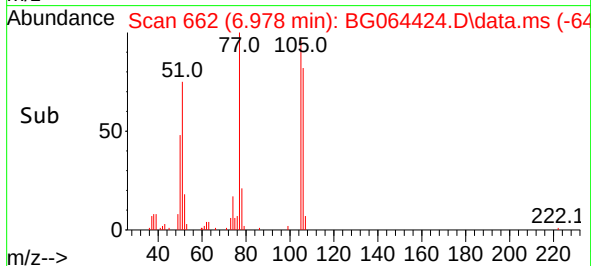
Tgt Ion: 77 Resp: 31583
Ion Ratio Lower Upper
77 100
105 95.9 75.2 115.2
106 82.1 69.6 109.6

Manual Integrations

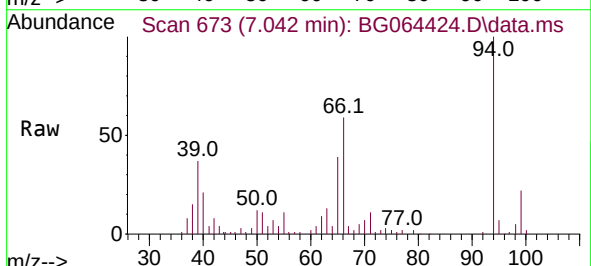
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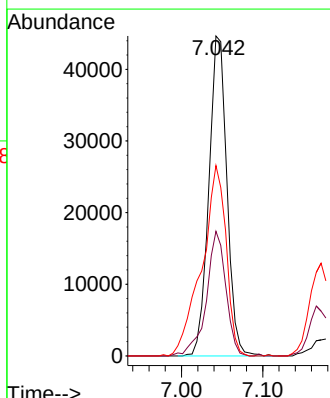
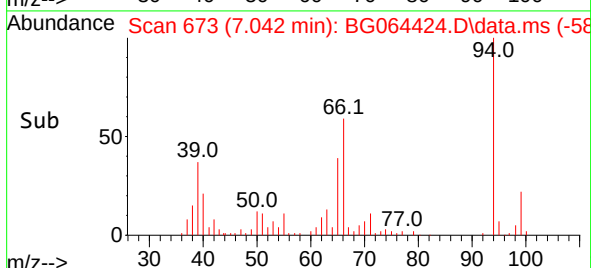
Supervised By :Jagrut Upadhyay 09/23/2025

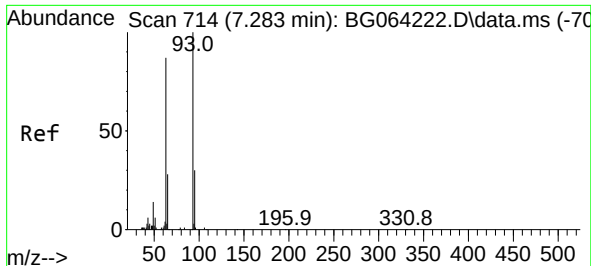


#10
Phenol
Concen: 47.612 ng
RT: 7.042 min Scan# 673
Delta R.T. -0.012 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02



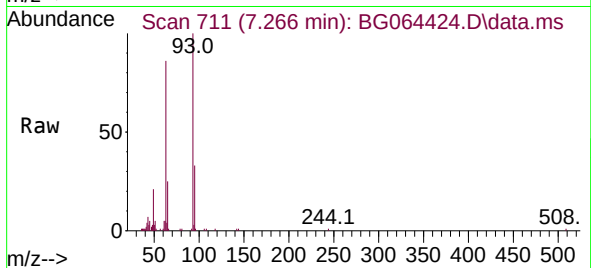
Tgt Ion: 94 Resp: 69077
Ion Ratio Lower Upper
94 100
65 38.9 13.5 53.5
66 59.5 26.2 66.2





#11
bis(2-Chloroethyl)ether
Concen: 40.653 ng
RT: 7.266 min Scan# 714
Delta R.T. -0.018 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

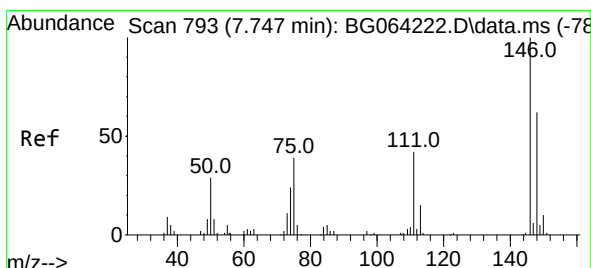
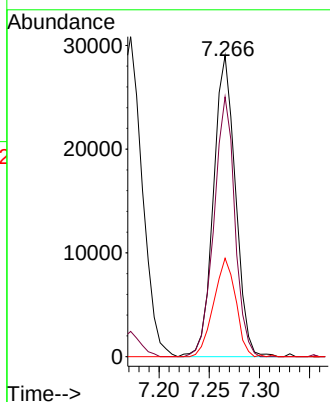
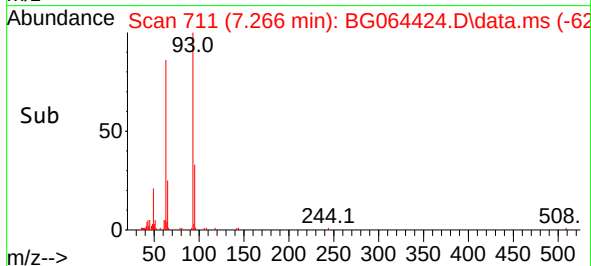
Instrument :
BNA_G
ClientSampleId :
VNJ-238MSD



Tgt Ion: 93 Resp: 44321
Ion Ratio Lower Upper
93 100
63 86.3 66.2 106.2
95 32.7 9.8 49.8

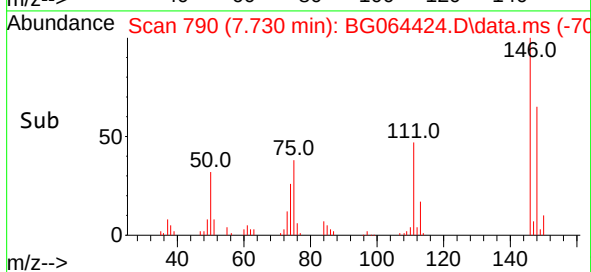
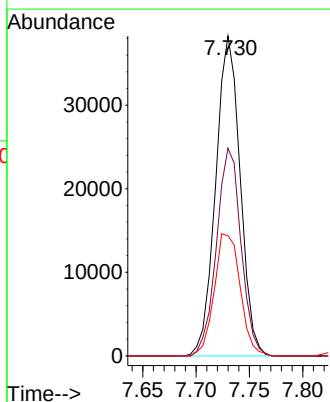
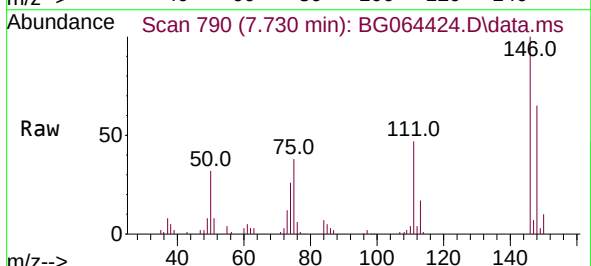
Manual Integrations
APPROVED

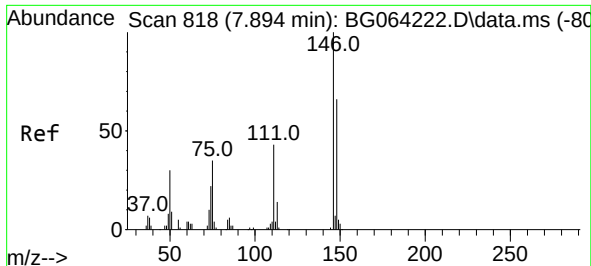
Reviewed By :Rahul Chavli 09/23/2025
Supervised By :Jagrut Upadhyay 09/23/2025



#12
1,3-Dichlorobenzene
Concen: 49.166 ng
RT: 7.730 min Scan# 790
Delta R.T. -0.018 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

Tgt Ion:146 Resp: 61223
Ion Ratio Lower Upper
146 100
148 64.9 49.6 74.4
75 37.5 31.0 46.6





#13

1,4-Dichlorobenzene

Concen: 49.419 ng

RT: 7.877 min Scan# 81

Delta R.T. -0.018 min

Lab File: BG064424.D

Acq: 22 Sep 2025 21:02

Instrument :

BNA_G

ClientSampleId :

VNJ-238MSD

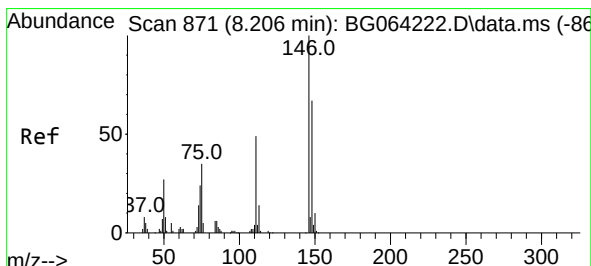
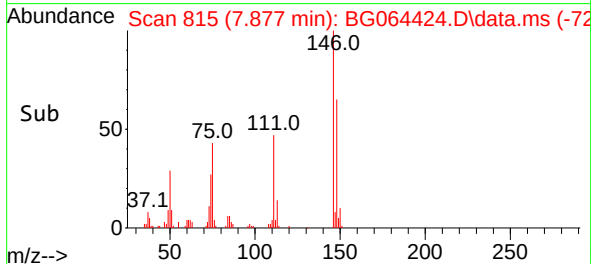
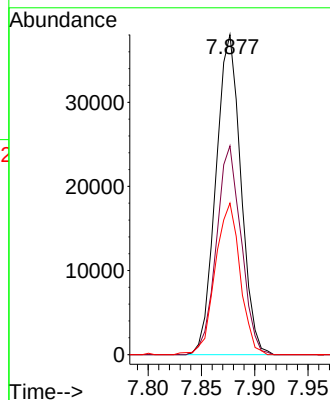
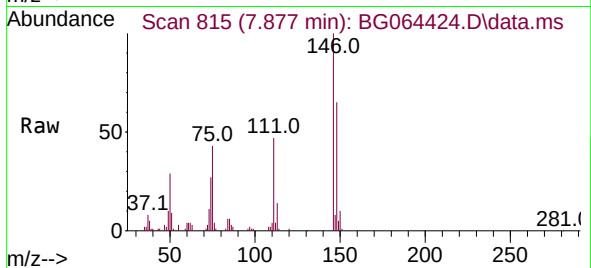
Tgt Ion:	146	Resp:	62100
Ion Ratio	Lower	Upper	
146	100		
148	65.2	52.8	79.2
111	47.4	34.1	51.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/23/2025

Supervised By :Jagrut Upadhyay 09/23/2025



#14

1,2-Dichlorobenzene

Concen: 50.772 ng

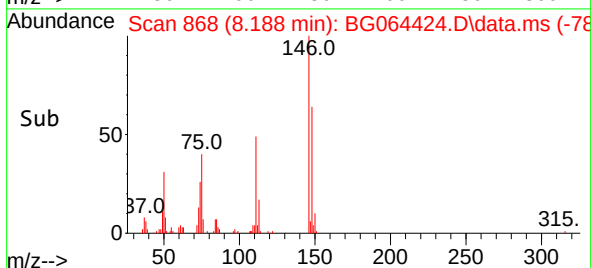
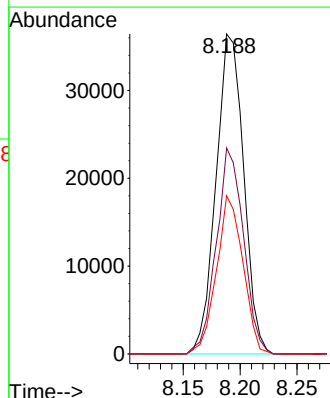
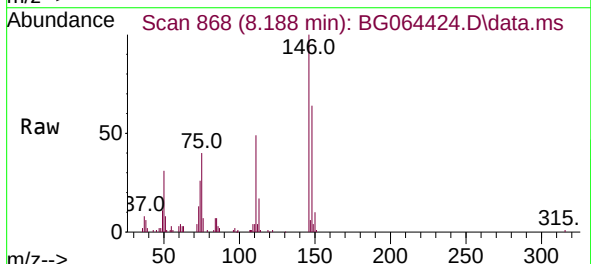
RT: 8.188 min Scan# 868

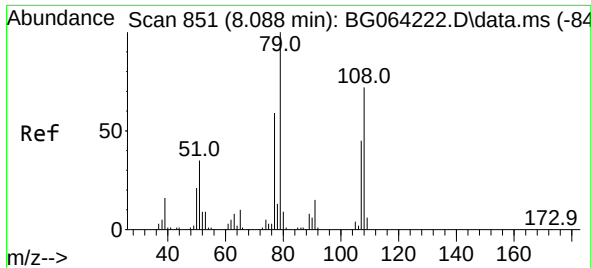
Delta R.T. -0.024 min

Lab File: BG064424.D

Acq: 22 Sep 2025 21:02

Tgt Ion:	146	Resp:	61582
Ion Ratio	Lower	Upper	
146	100		
148	64.4	53.4	80.0
111	49.4	39.1	58.7





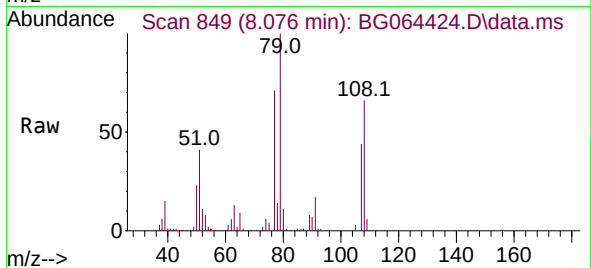
#15
Benzyl Alcohol
Concen: 55.368 ng
RT: 8.076 min Scan# 849
Delta R.T. -0.018 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

Instrument :

BNA_G

ClientSampleId :

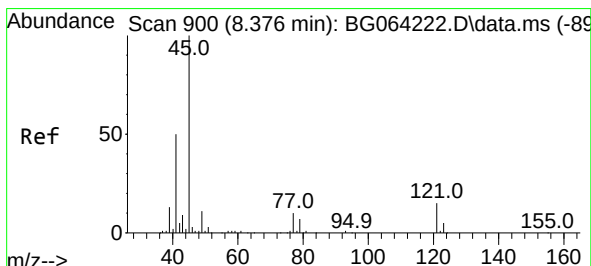
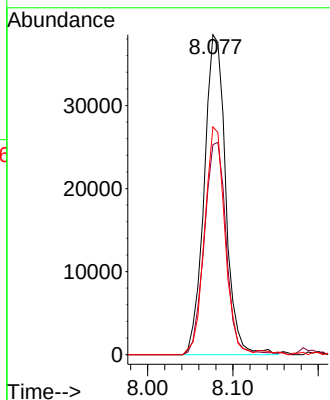
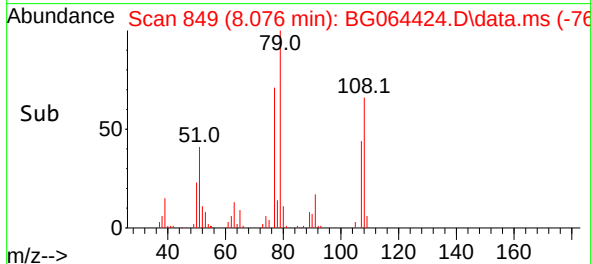
VNJ-238MSD



Tgt Ion: 79 Resp: 67238
Ion Ratio Lower Upper
79 100
108 65.6 57.4 86.0
77 71.2 47.2 70.8

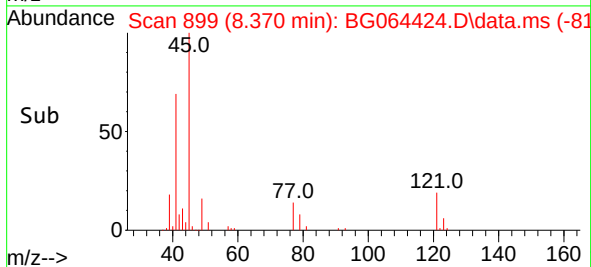
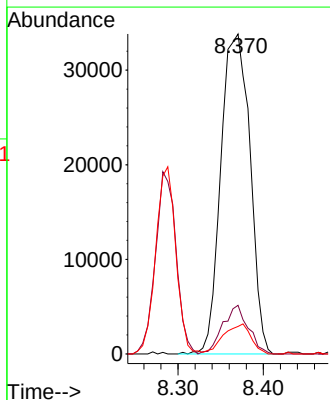
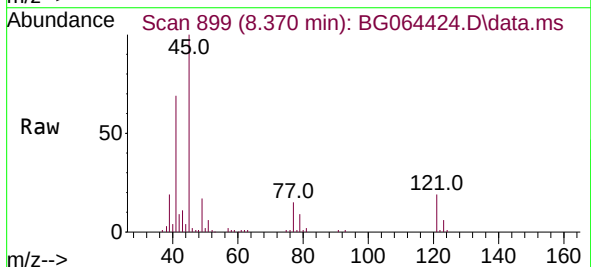
Manual Integrations
APPROVED

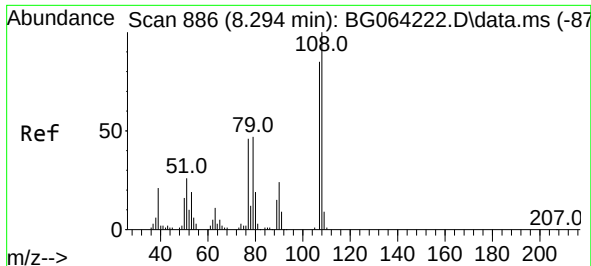
Reviewed By :Rahul Chavli 09/23/2025
Supervised By :Jagrut Upadhyay 09/23/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 32.294 ng
RT: 8.370 min Scan# 899
Delta R.T. -0.006 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

Tgt Ion: 45 Resp: 80384
Ion Ratio Lower Upper
45 100
77 15.2 0.0 30.0
79 8.6 0.0 27.9





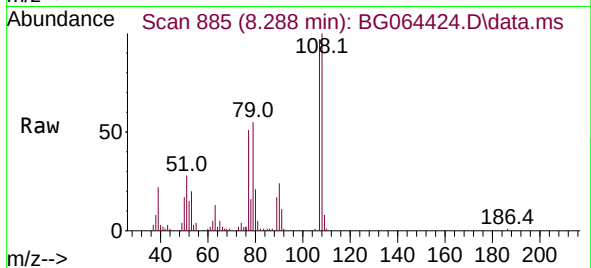
#17
2-Methylphenol
Concen: 51.839 ng
RT: 8.288 min Scan# 885
Delta R.T. -0.012 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

Instrument :

BNA_G

ClientSampleId :

VNJ-238MSD

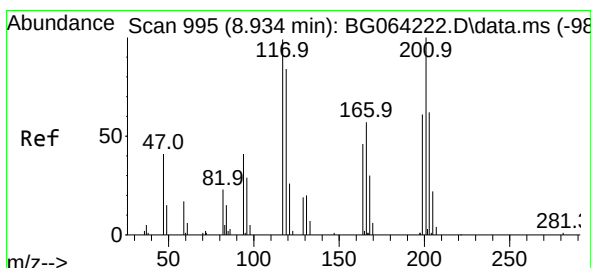
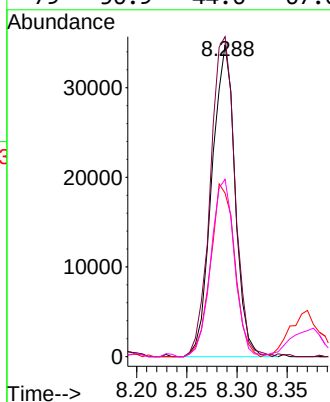
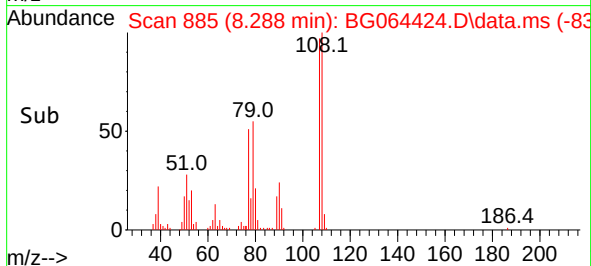


Tgt Ion:	107	Resp:	5605
Ion Ratio	Lower	Upper	
107	100		
108	102.7	94.6	141.8
77	52.5	43.7	65.5
79	56.9	44.6	67.0

Manual Integrations

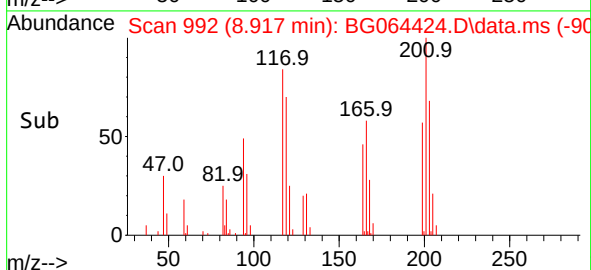
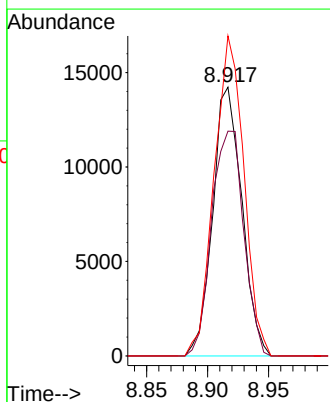
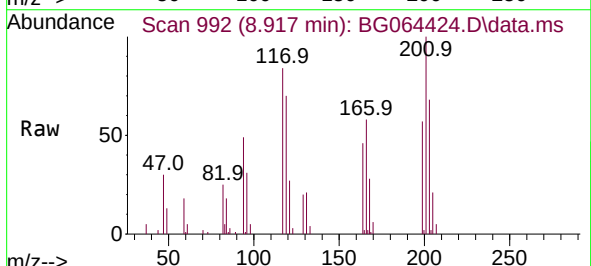
APPROVED

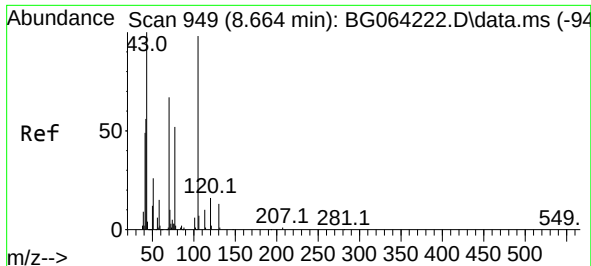
Reviewed By :Rahul Chavli 09/23/2025
Supervised By :Jagrut Upadhyay 09/23/2025



#18
Hexachloroethane
Concen: 48.291 ng
RT: 8.917 min Scan# 992
Delta R.T. -0.018 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

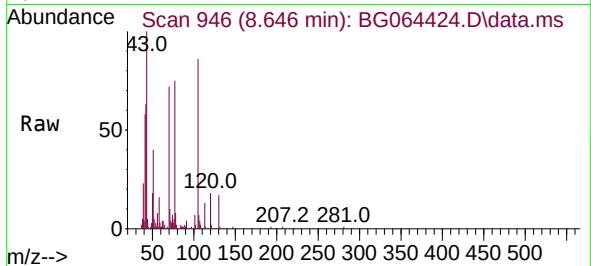
Tgt Ion:	117	Resp:	23690
Ion Ratio	Lower	Upper	
117	100		
119	83.6	67.9	101.9
201	119.1	80.5	120.7





#19
n-Nitroso-di-n-propylamine
Concen: 48.498 ng
RT: 8.646 min Scan# 94
Delta R.T. -0.018 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

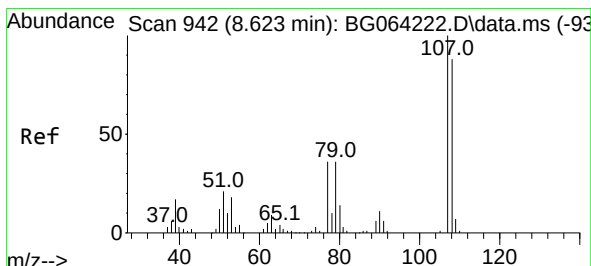
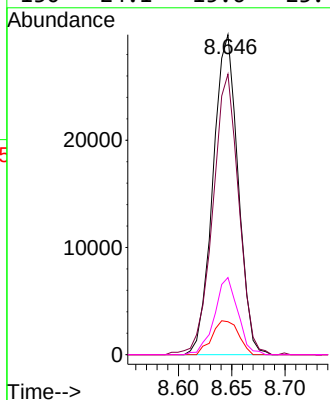
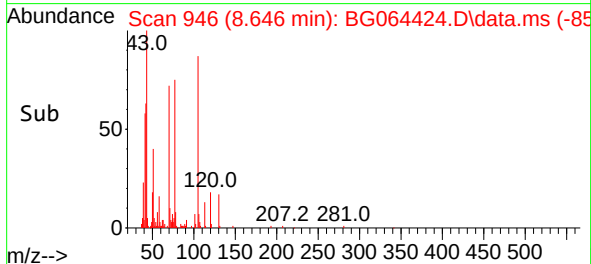
Instrument :
BNA_G
ClientSampleId :
VNJ-238MSD



Tgt Ion: 70 Resp: 4884
Ion Ratio Lower Upper
70 100
42 87.6 67.9 101.9
101 10.3 7.3 10.9
130 24.1 15.6 23.4#

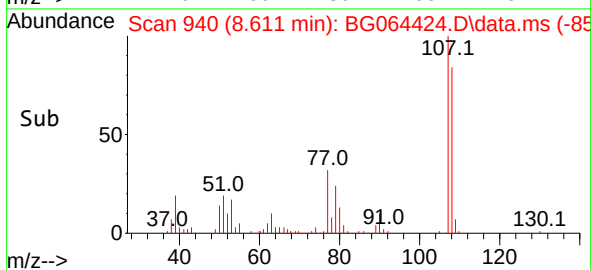
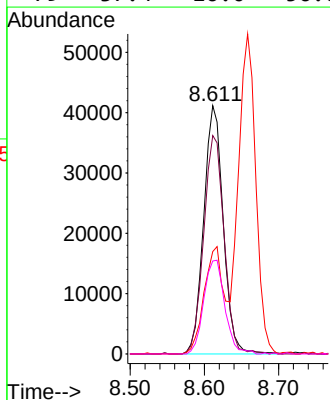
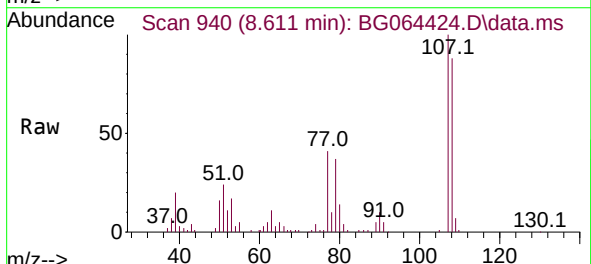
Manual Integrations
APPROVED

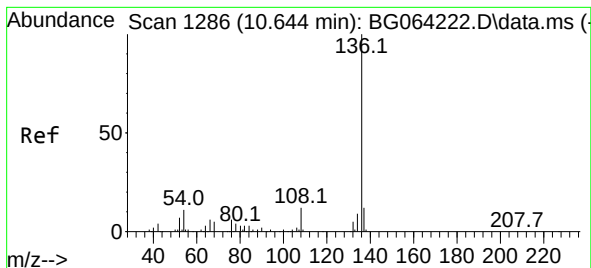
Reviewed By :Rahul Chavli 09/23/2025
Supervised By :Jagrut Upadhyay 09/23/2025



#20
3+4-Methylphenols
Concen: 50.053 ng
RT: 8.611 min Scan# 940
Delta R.T. -0.018 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

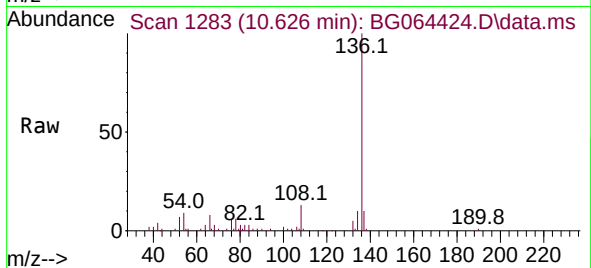
Tgt Ion:107 Resp: 75203
Ion Ratio Lower Upper
107 100
108 88.0 68.1 108.1
77 41.2 15.9 55.9
79 37.4 16.0 56.0





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.626 min Scan# 1283
Delta R.T. -0.024 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

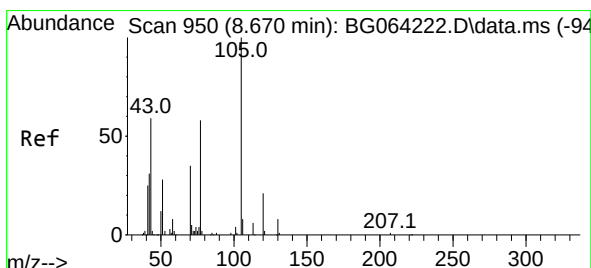
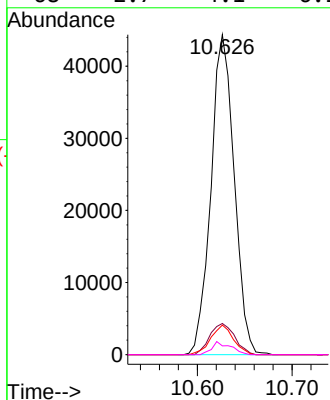
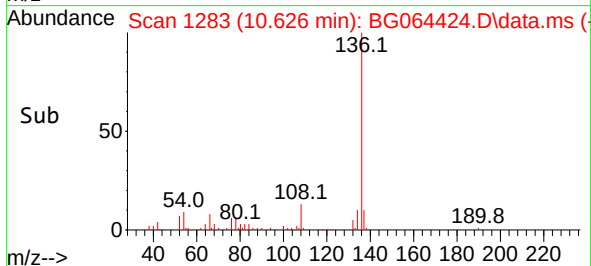
Instrument :
BNA_G
ClientSampleId :
VNJ-238MSD



Tgt Ion:136 Resp: 75788
Ion Ratio Lower Upper
136 100
137 9.7 9.6 14.4
54 9.2 8.8 13.2
68 2.7 4.1 6.1#

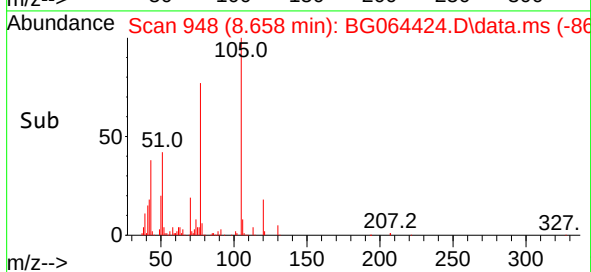
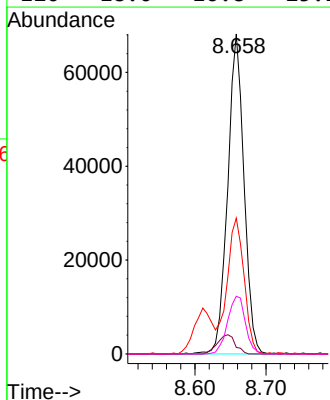
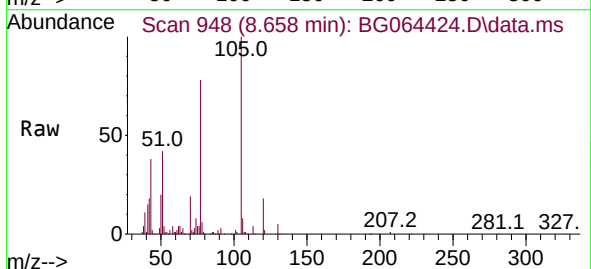
Manual Integrations
APPROVED

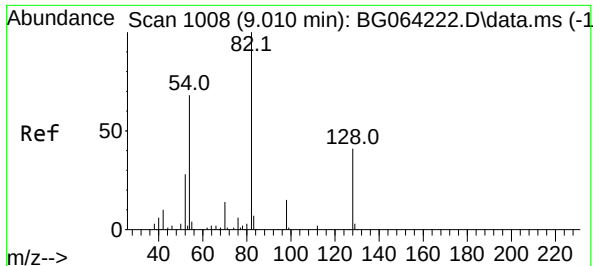
Reviewed By :Rahul Chavli 09/23/2025
Supervised By :Jagrut Upadhyay 09/23/2025



#22
Acetophenone
Concen: 56.778 ng
RT: 8.658 min Scan# 948
Delta R.T. -0.018 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

Tgt Ion:105 Resp: 108863
Ion Ratio Lower Upper
105 100
71 2.0 4.3 6.5#
51 42.4 32.4 48.6
120 18.0 16.8 25.2





#23

Nitrobenzene-d5

Concen: 117.342 ng

RT: 8.993 min Scan# 1005

Delta R.T. -0.024 min

Lab File: BG064424.D

Acq: 22 Sep 2025 21:02

Instrument :

BNA_G

ClientSampleId :

VNJ-238MSD

Tgt Ion: 82 Resp: 159460

Ion Ratio Lower Upper

82 100

128 38.1 32.6 48.8

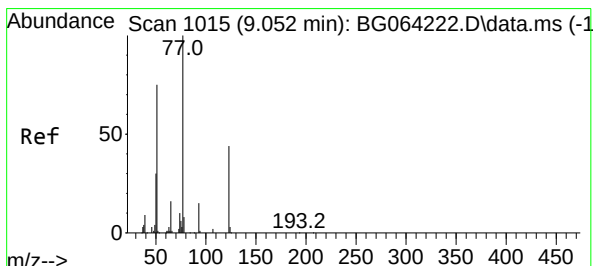
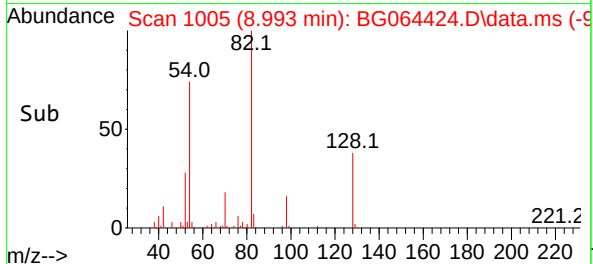
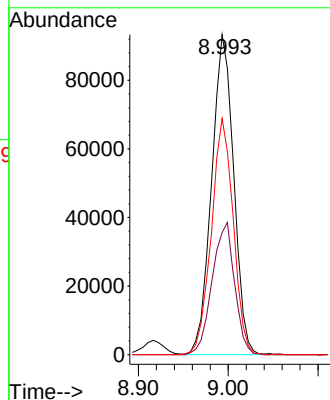
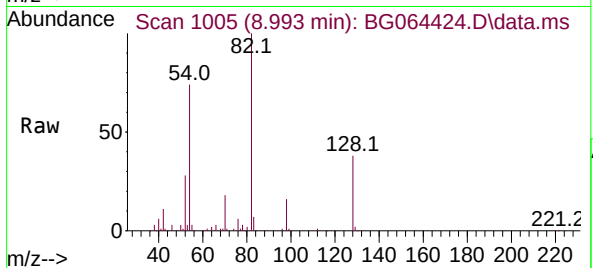
54 73.8 54.7 82.1

Manual Integrations

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Reviewed By :Rahul Chavli 09/23/2025

Supervised By :Jagrut Upadhyay 09/23/2025



#24

Nitrobenzene

Concen: 52.082 ng

RT: 9.034 min Scan# 1012

Delta R.T. -0.024 min

Lab File: BG064424.D

Acq: 22 Sep 2025 21:02

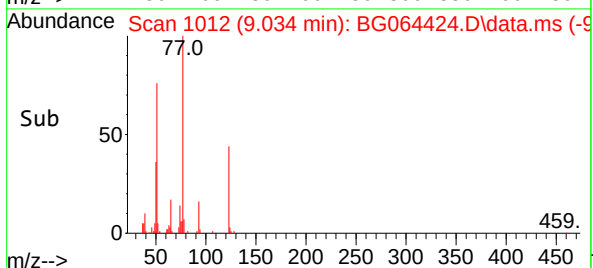
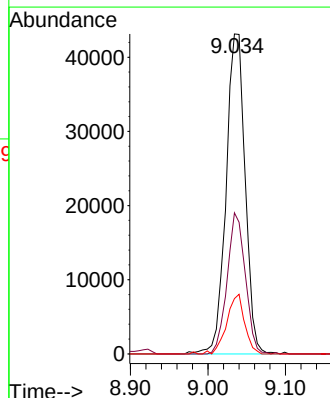
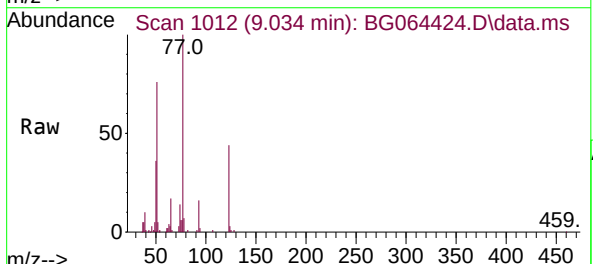
Tgt Ion: 77 Resp: 73947

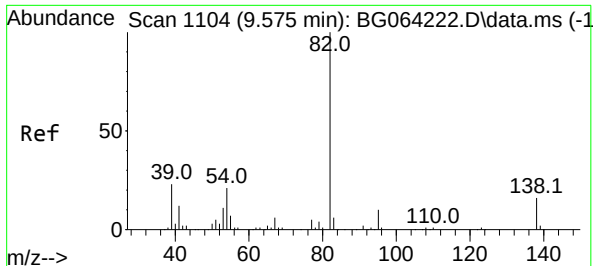
Ion Ratio Lower Upper

77 100

123 44.1 35.2 52.8

65 17.3 12.6 19.0





#25
Isophorone
Concen: 49.254 ng
RT: 9.557 min Scan# 1104
Delta R.T. -0.029 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

Instrument :

BNA_G

ClientSampleId :

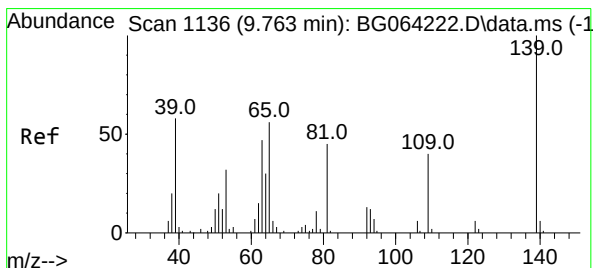
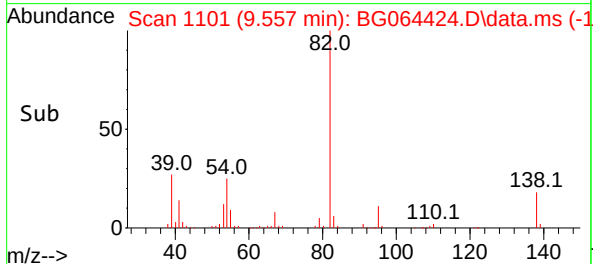
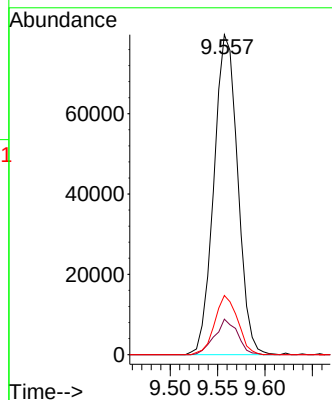
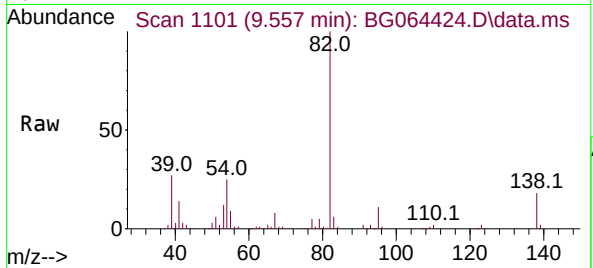
VNJ-238MSD

Tgt Ion: 82 Resp: 13910
Ion Ratio Lower Upper
82 100
95 11.1 7.9 11.9
138 18.5 13.0 19.4

Manual Integrations

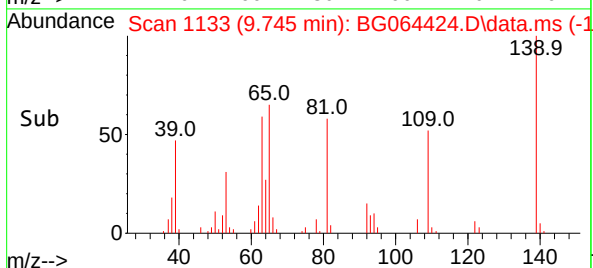
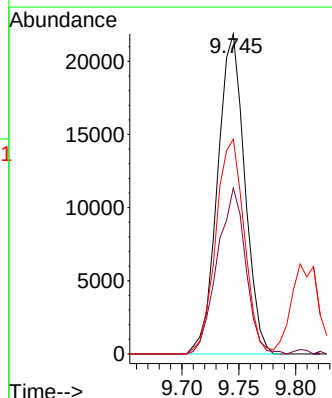
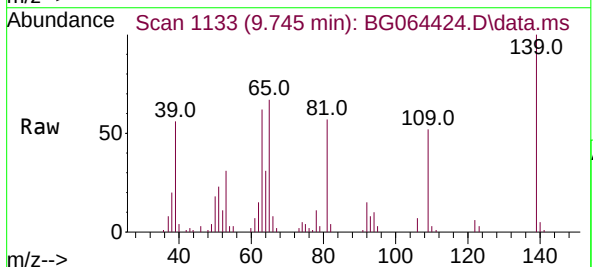
APPROVED

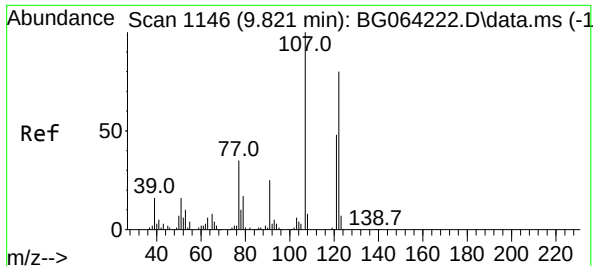
Reviewed By :Rahul Chavli 09/23/2025
Supervised By :Jagrut Upadhyay 09/23/2025



#26
2-Nitrophenol
Concen: 59.175 ng
RT: 9.745 min Scan# 1133
Delta R.T. -0.018 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

Tgt Ion:139 Resp: 36304
Ion Ratio Lower Upper
139 100
109 51.9 32.4 48.6#
65 67.1 44.6 67.0#





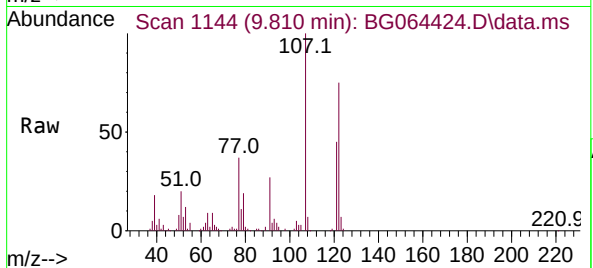
#27
2,4-Dimethylphenol
Concen: 61.994 ng
RT: 9.810 min Scan# 1144
Delta R.T. -0.018 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

Instrument :

BNA_G

ClientSampleId :

VNJ-238MSD



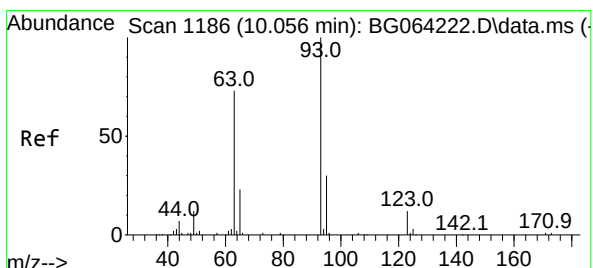
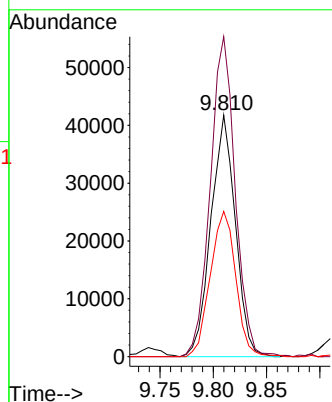
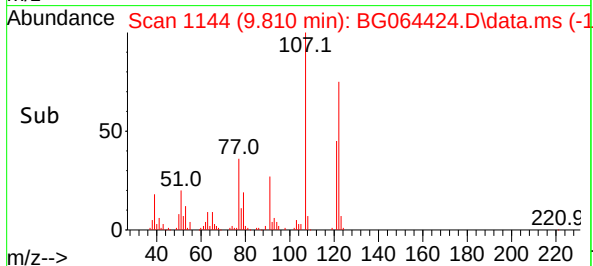
Tgt Ion:122 Resp: 66774
Ion Ratio Lower Upper
122 100
107 132.5 99.9 149.9
121 60.1 48.6 72.8

Manual Integrations

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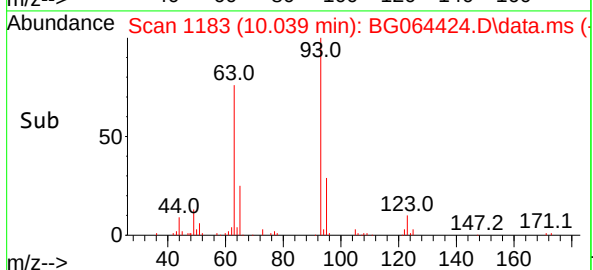
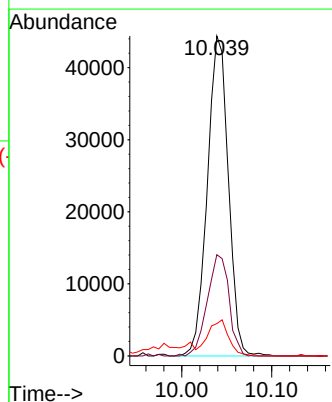
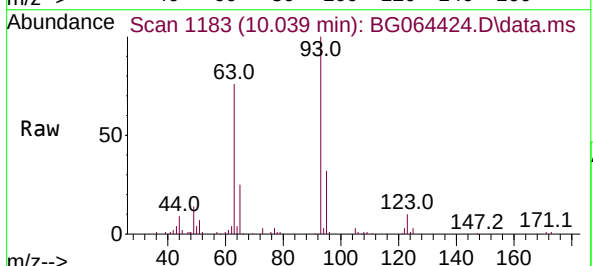
Reviewed By :Rahul Chavli 09/23/2025

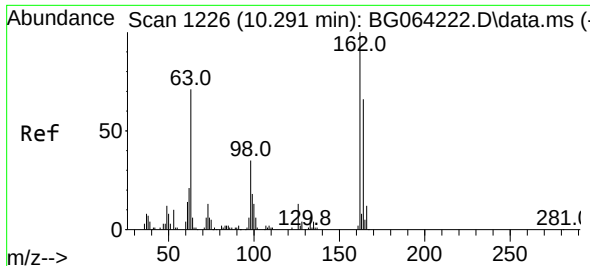
Supervised By :Jagrut Upadhyay 09/23/2025



#28
bis(2-Chloroethoxy)methane
Concen: 47.359 ng
RT: 10.039 min Scan# 1183
Delta R.T. -0.024 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

Tgt Ion: 93 Resp: 72123
Ion Ratio Lower Upper
93 100
95 31.6 23.9 35.9
123 10.1 9.6 14.4





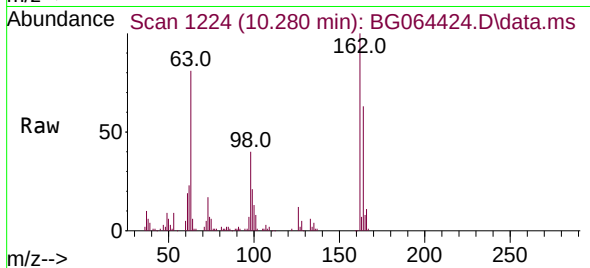
#29
2,4-Dichlorophenol
Concen: 61.727 ng
RT: 10.280 min Scan# 1224
Delta R.T. -0.018 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

Instrument :

BNA_G

ClientSampleId :

VNJ-238MSD

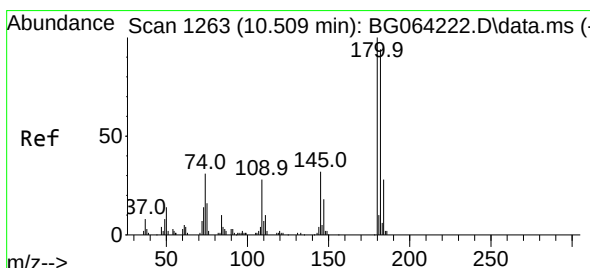
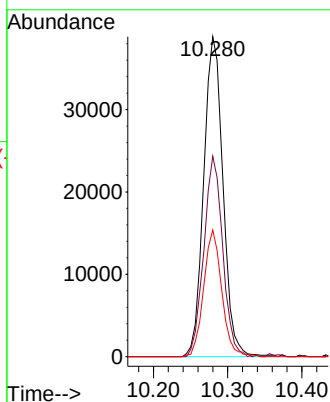
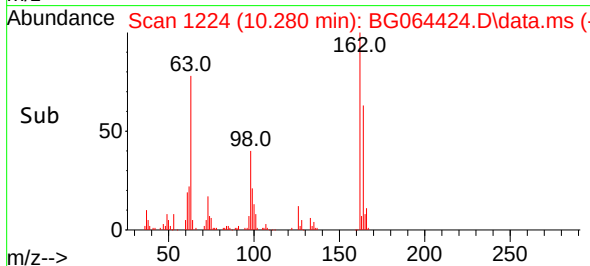


Tgt Ion:162 Resp: 70152
Ion Ratio Lower Upper
162 100
164 62.6 45.8 85.8
98 39.6 15.2 55.2

Manual Integrations

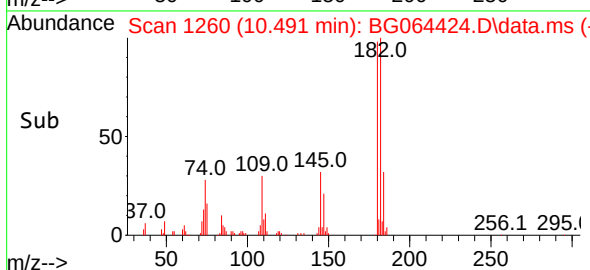
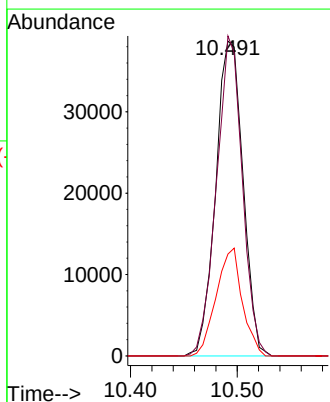
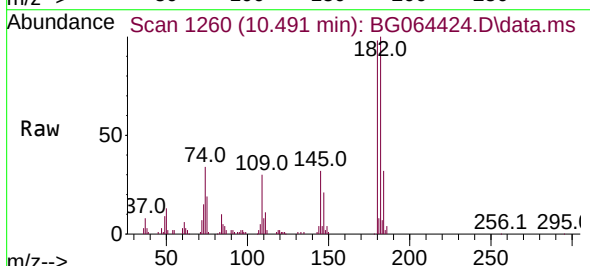
APPROVED

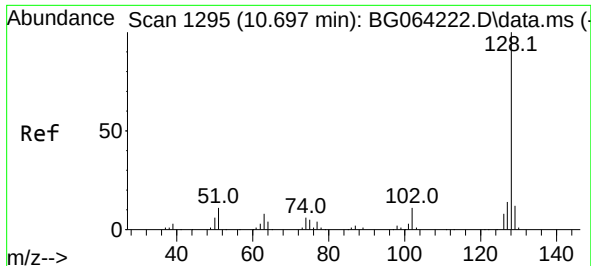
Reviewed By :Rahul Chavli 09/23/2025
Supervised By :Jagrut Upadhyay 09/23/2025



#30
1,2,4-Trichlorobenzene
Concen: 57.354 ng
RT: 10.491 min Scan# 1260
Delta R.T. -0.018 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

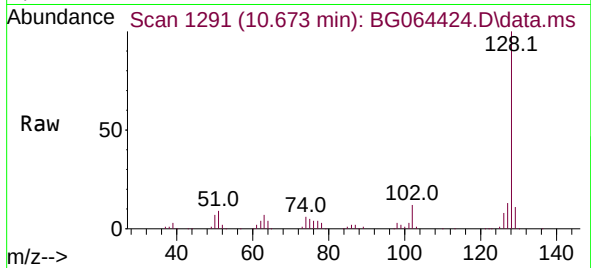
Tgt Ion:180 Resp: 68728
Ion Ratio Lower Upper
180 100
182 101.7 75.0 112.6
145 32.4 25.4 38.0





#31
Naphthalene
Concen: 51.189 ng
RT: 10.673 min Scan# 1175
Delta R.T. -0.024 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

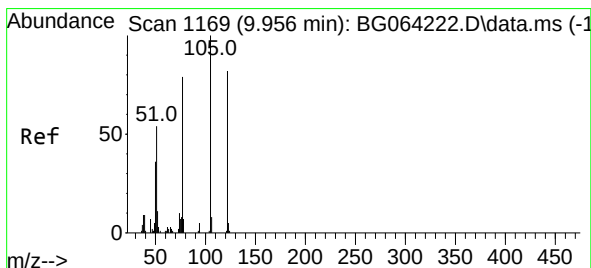
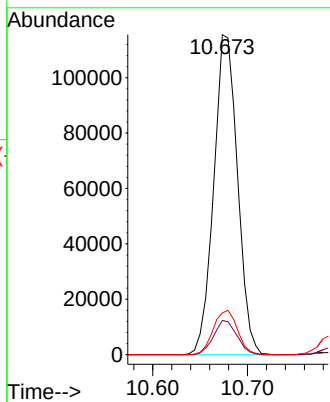
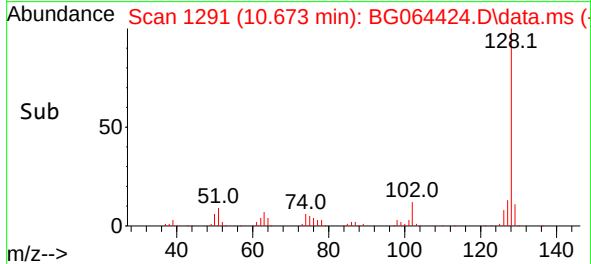
Instrument :
BNA_G
ClientSampleId :
VNJ-238MSD



Tgt Ion:128 Resp: 201175
Ion Ratio Lower Upper
128 100
129 10.7 9.4 14.2
127 13.0 10.9 16.3

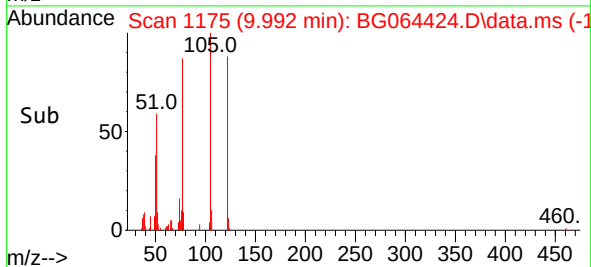
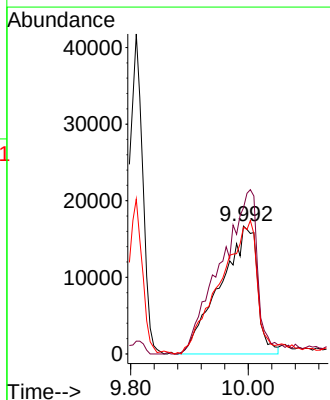
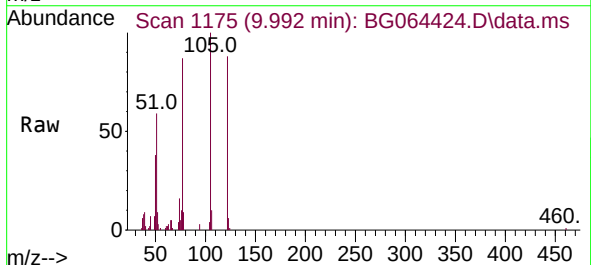
Manual Integrations
APPROVED

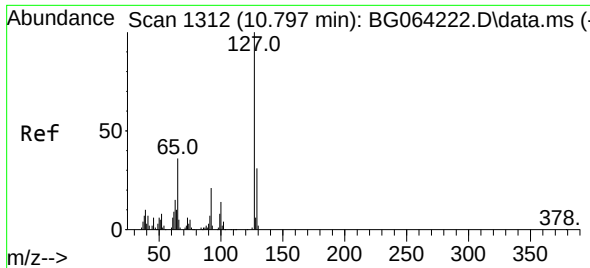
Reviewed By :Rahul Chavli 09/23/2025
Supervised By :Jagrut Upadhyay 09/23/2025



#32
Benzoic acid
Concen: 85.806 ng
RT: 9.992 min Scan# 1175
Delta R.T. -0.024 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

Tgt Ion:122 Resp: 73365
Ion Ratio Lower Upper
122 100
105 114.2 98.5 138.5
77 99.1 74.6 114.6





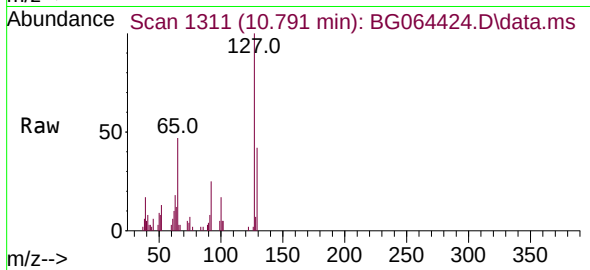
#33
4-Chloroaniline
Concen: 10.235 ng
RT: 10.791 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

Instrument :

BNA_G

ClientSampleId :

VNJ-238MSD



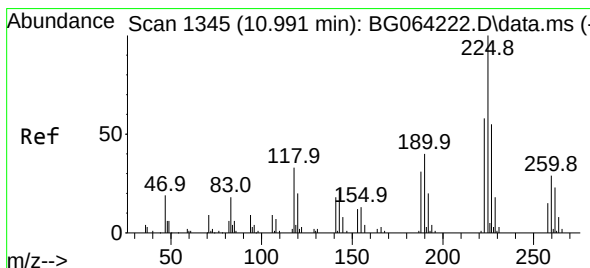
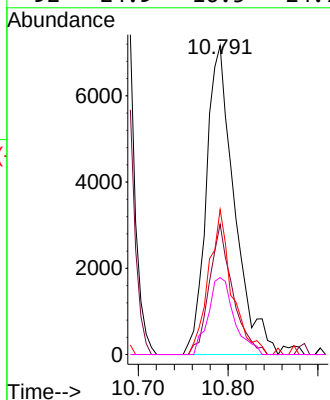
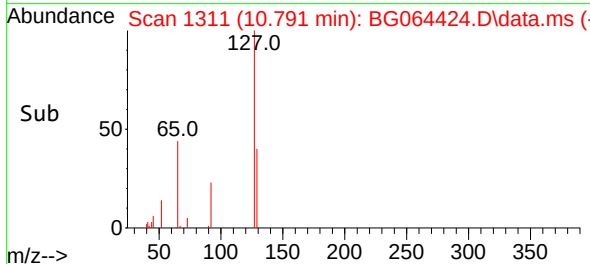
Tgt Ion:127 Resp: 15590
Ion Ratio Lower Upper
127 100
129 42.1 25.0 37.4
65 46.9 28.7 43.1
92 24.9 16.5 24.7

Manual Integrations

APPROVED

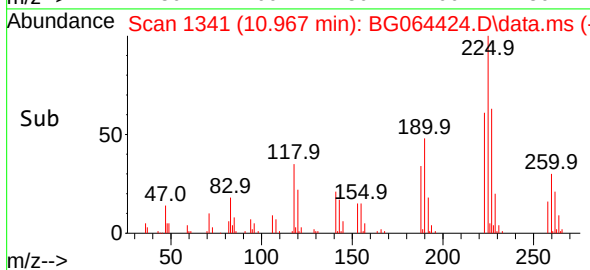
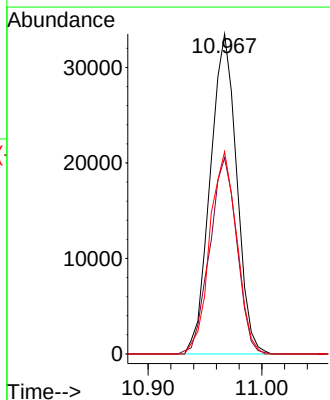
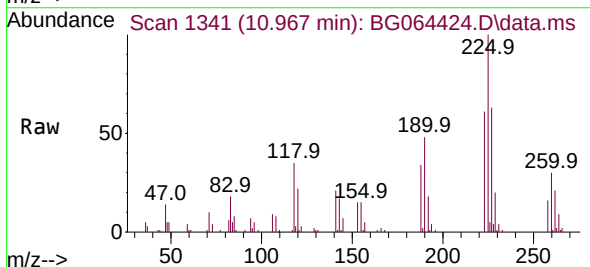
Reviewed By :Rahul Chavli 09/23/2025

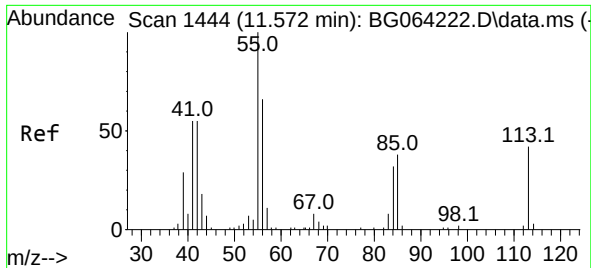
Supervised By :Jagrut Upadhyay 09/23/2025



#34
Hexachlorobutadiene
Concen: 61.034 ng
RT: 10.967 min Scan# 1341
Delta R.T. -0.024 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

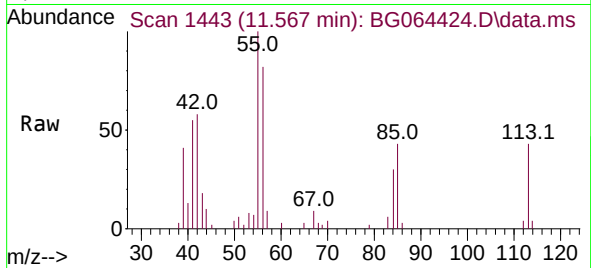
Tgt Ion:225 Resp: 54063
Ion Ratio Lower Upper
225 100
223 61.3 46.5 69.7
227 63.2 44.1 66.1





#35
Caprolactam
Concen: 46.485 ng m
RT: 11.567 min Scan# 14
Delta R.T. -0.035 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

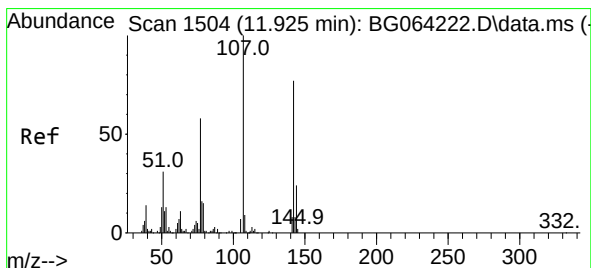
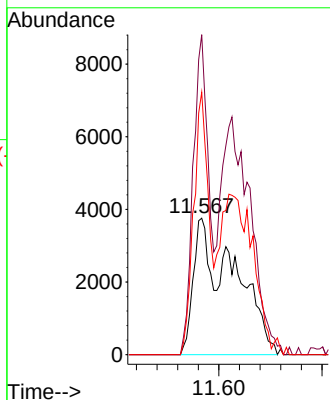
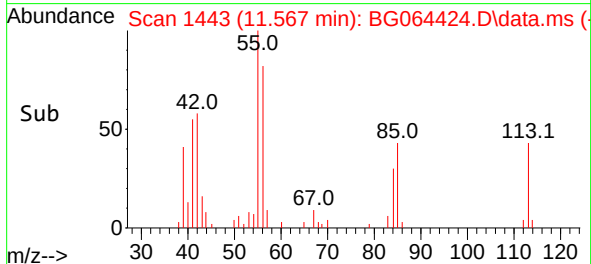
Instrument :
BNA_G
ClientSampleId :
VNJ-238MSD



Tgt Ion:113 Resp: 20456
Ion Ratio Lower Upper
113 100
55 234.5 218.5 258.5
56 192.2 138.5 178.5

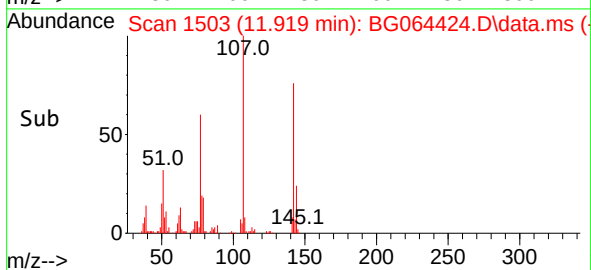
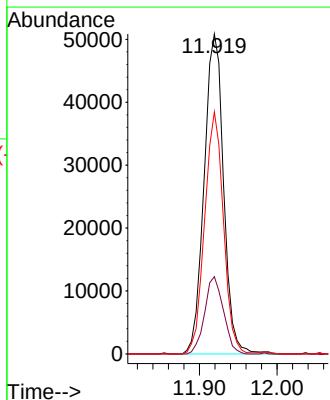
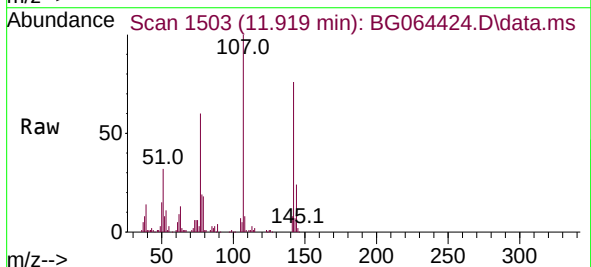
Manual Integrations
APPROVED

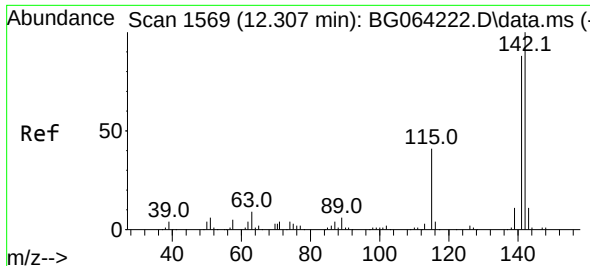
Reviewed By :Rahul Chavli 09/23/2025
Supervised By :Jagrut Upadhyay 09/23/2025



#36
4-Chloro-3-methylphenol
Concen: 60.041 ng
RT: 11.919 min Scan# 1503
Delta R.T. -0.012 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

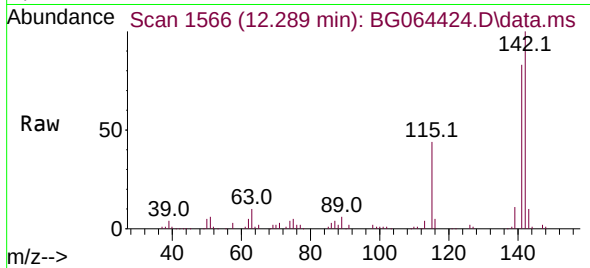
Tgt Ion:107 Resp: 88534
Ion Ratio Lower Upper
107 100
144 24.1 19.5 29.3
142 75.6 62.0 93.0





#37
2-Methylnaphthalene
Concen: 50.185 ng
RT: 12.289 min Scan# 11
Delta R.T. -0.018 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

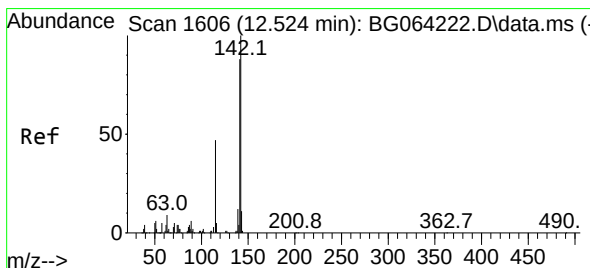
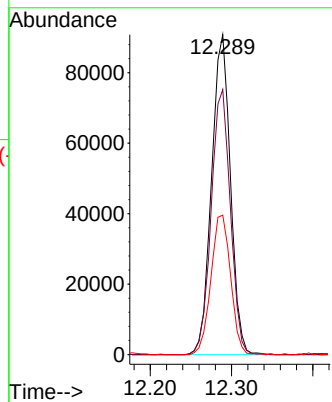
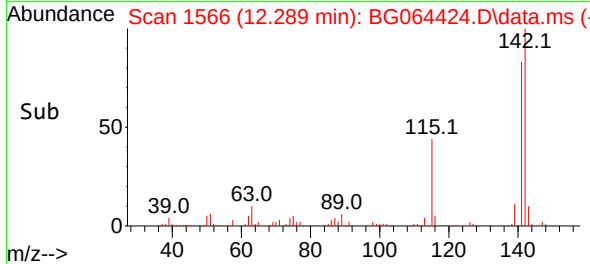
Instrument :
BNA_G
ClientSampleId :
VNJ-238MSD



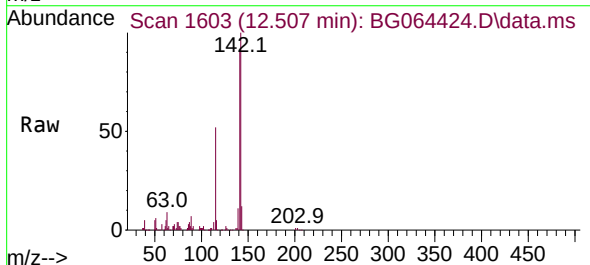
Tgt Ion:142 Resp: 146601
Ion Ratio Lower Upper
142 100
141 82.8 70.1 105.1
115 43.6 33.1 49.7

Manual Integrations
APPROVED

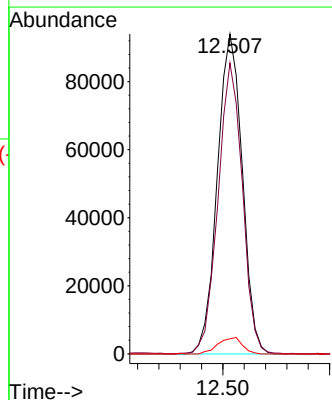
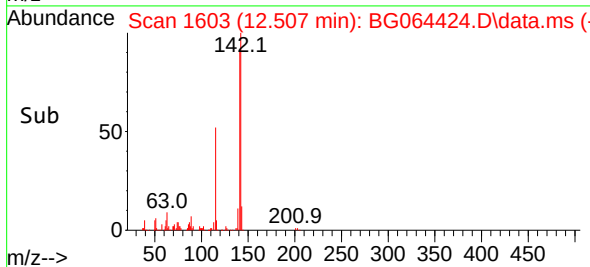
Reviewed By :Rahul Chavli 09/23/2025
Supervised By :Jagrut Upadhyay 09/23/2025

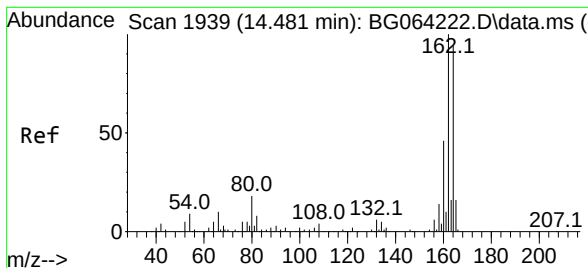


#38
1-Methylnaphthalene
Concen: 52.946 ng
RT: 12.507 min Scan# 1603
Delta R.T. -0.018 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02



Tgt Ion:142 Resp: 152769
Ion Ratio Lower Upper
142 100
141 90.9 70.3 105.5
116 4.7 3.7 5.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.469 min Scan# 1937

Delta R.T. -0.012 min

Lab File: BG064424.D

Acq: 22 Sep 2025 21:02

Instrument :

BNA_G

ClientSampleId :

VNJ-238MSD

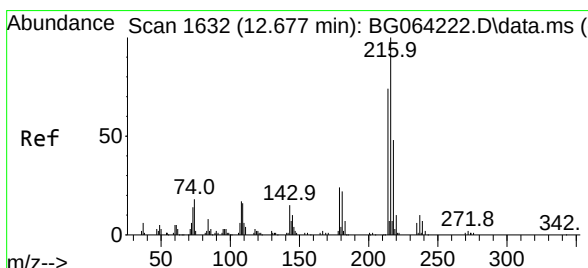
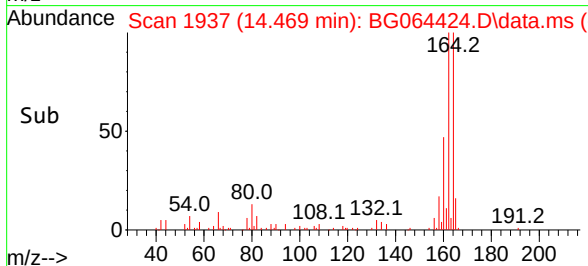
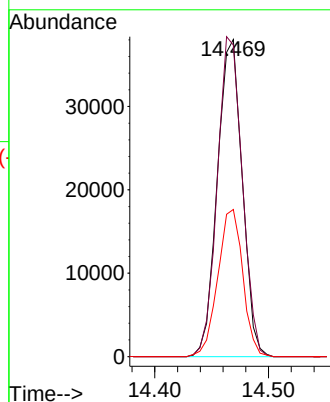
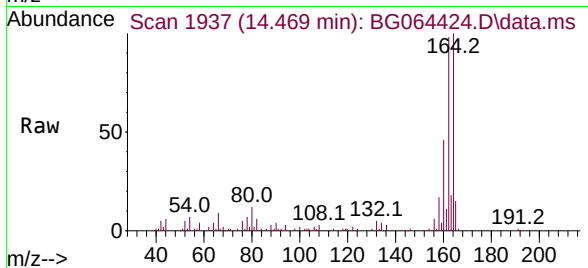
Tgt Ion:164	Resp:	5770
Ion Ratio	Lower	Upper
164	100	
162	98.3	85.4 128.0
160	46.4	39.2 58.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/23/2025

Supervised By :Jagrut Upadhyay 09/23/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 63.858 ng

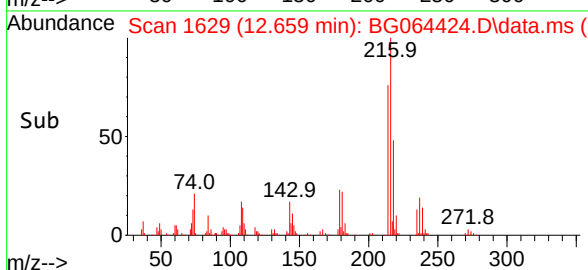
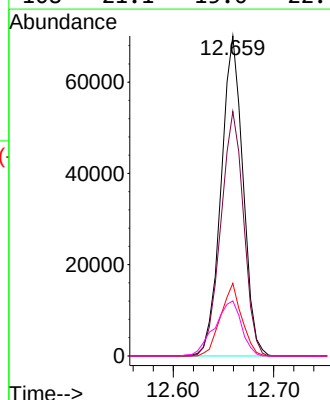
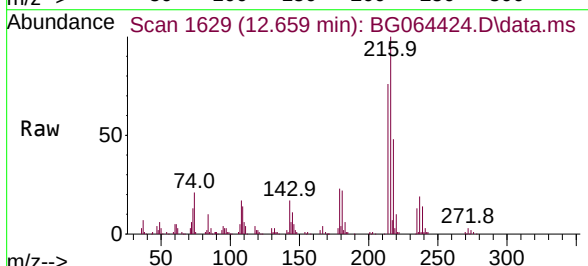
RT: 12.659 min Scan# 1629

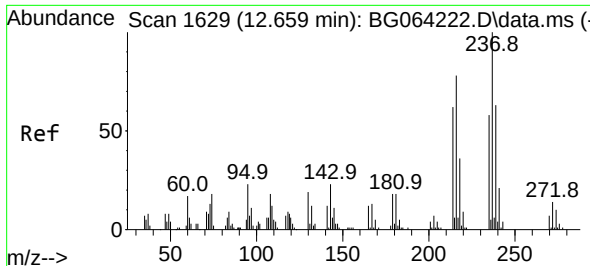
Delta R.T. -0.018 min

Lab File: BG064424.D

Acq: 22 Sep 2025 21:02

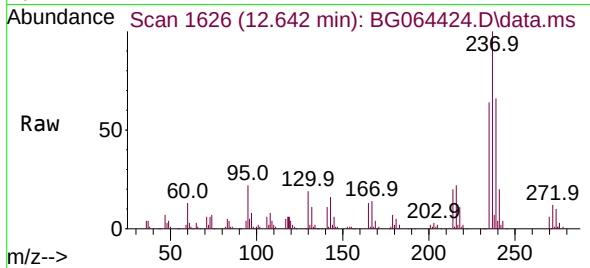
Tgt Ion:216	Resp:	106314
Ion Ratio	Lower	Upper
216	100	
214	79.3	61.9 92.9
179	21.8	17.9 26.9
108	21.1	15.0 22.4





#41
Hexachlorocyclopentadiene
Concen: 161.286 ng
RT: 12.642 min Scan# 1626
Delta R.T. -0.018 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

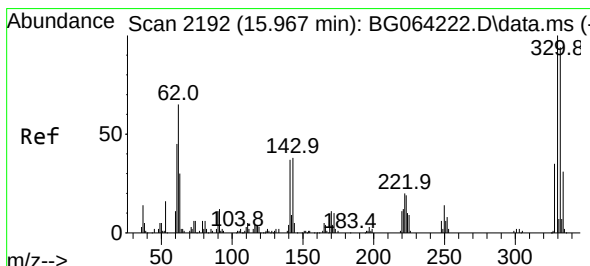
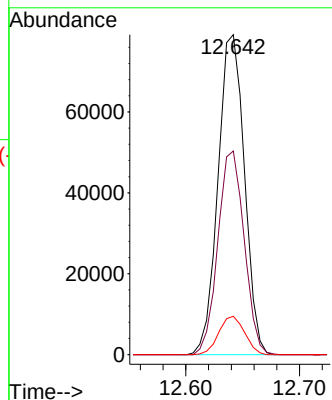
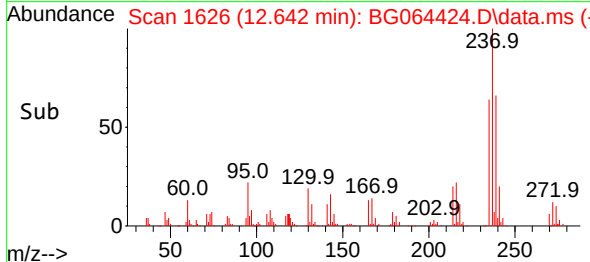
Instrument :
BNA_G
ClientSampleId :
VNJ-238MSD



Tgt Ion: 237 Resp: 127618
Ion Ratio Lower Upper
237 100
235 63.6 37.9 77.9
272 12.0 0.0 33.8

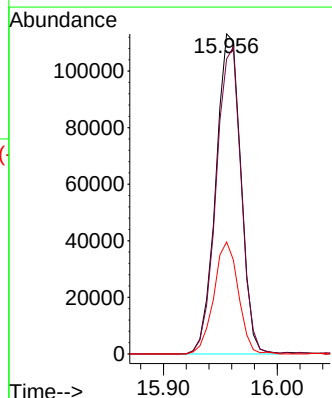
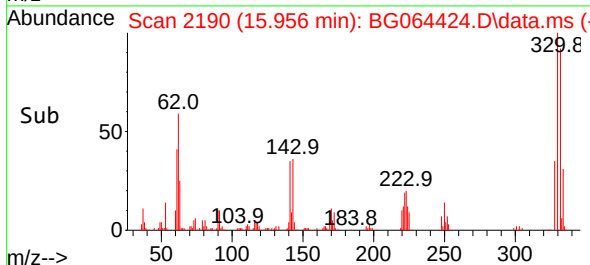
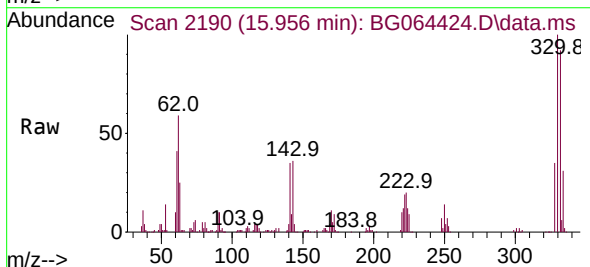
Manual Integrations
APPROVED

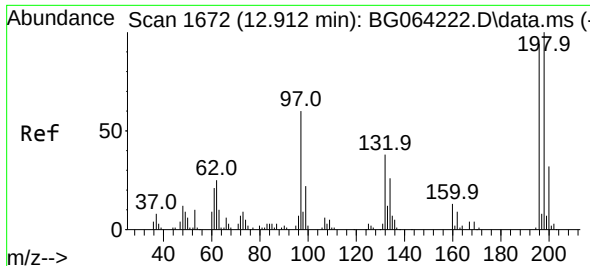
Reviewed By :Rahul Chavli 09/23/2025
Supervised By :Jagrut Upadhyay 09/23/2025



#42
2,4,6-Tribromophenol
Concen: 225.952 ng
RT: 15.956 min Scan# 2190
Delta R.T. -0.018 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

Tgt Ion: 330 Resp: 172690
Ion Ratio Lower Upper
330 100
332 95.6 77.6 116.4
141 34.2 29.8 44.6





#43
2,4,6-Trichlorophenol
Concen: 62.099 ng
RT: 12.900 min Scan# 1670
Delta R.T. -0.012 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

Instrument :

BNA_G

ClientSampleId :

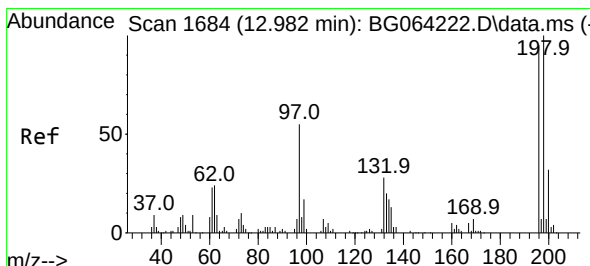
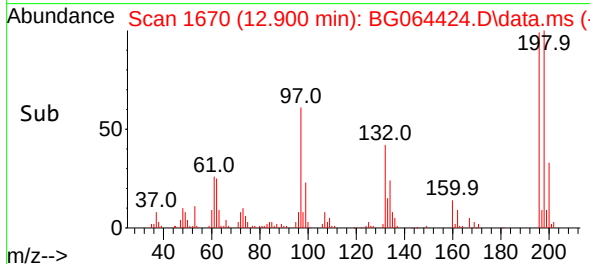
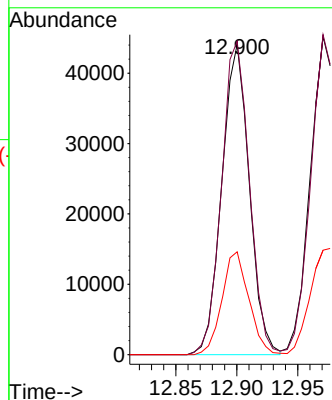
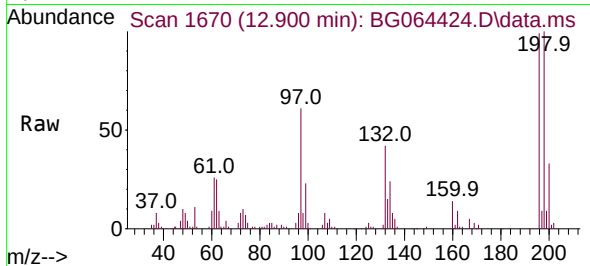
VNJ-238MSD

Tgt Ion:196 Resp: 69102
Ion Ratio Lower Upper
196 100
198 101.0 85.4 128.2
200 33.1 27.3 40.9

Manual Integrations

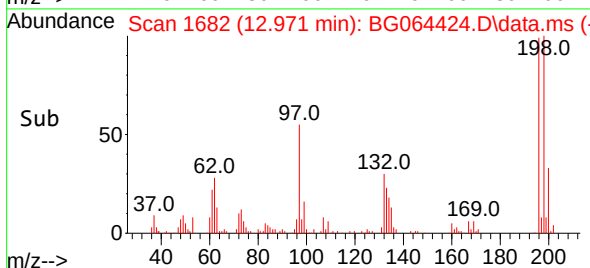
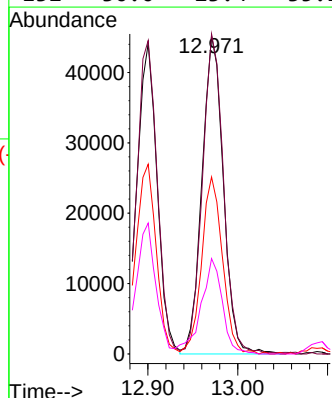
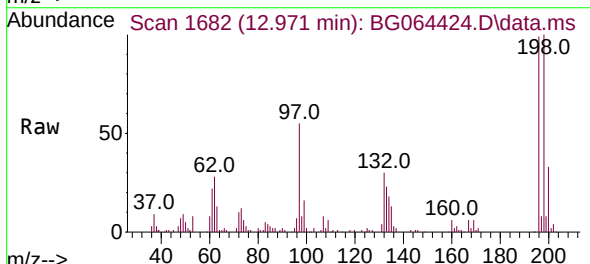
APPROVED

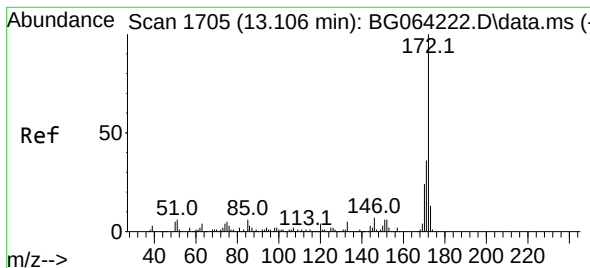
Reviewed By :Rahul Chavli 09/23/2025
Supervised By :Jagrut Upadhyay 09/23/2025



#44
2,4,5-Trichlorophenol
Concen: 62.126 ng
RT: 12.971 min Scan# 1682
Delta R.T. -0.018 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

Tgt Ion:196 Resp: 74992
Ion Ratio Lower Upper
196 100
198 100.6 84.5 126.7
97 55.6 46.8 70.2
132 30.0 23.4 35.2





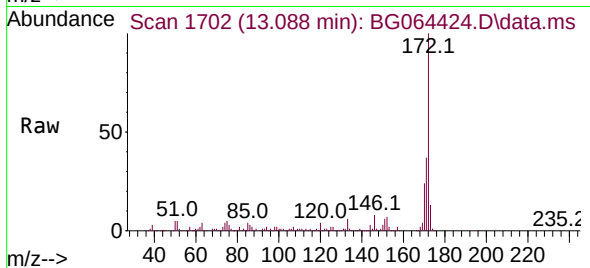
#45
2-Fluorobiphenyl
Concen: 115.796 ng
RT: 13.088 min Scan# 1705
Delta R.T. -0.024 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

Instrument :

BNA_G

ClientSampleId :

VNJ-238MSD

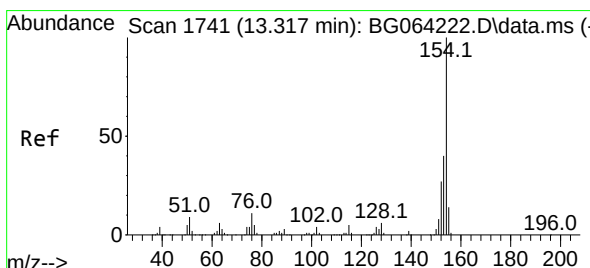
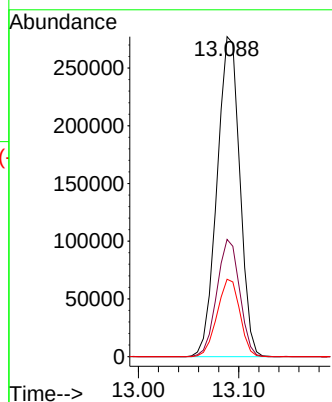
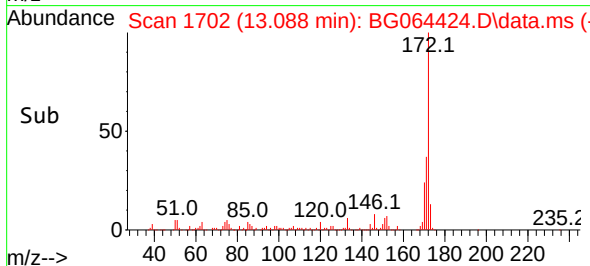


Tgt Ion:172 Resp: 437744
Ion Ratio Lower Upper
172 100
171 36.6 28.7 43.1
170 24.2 19.0 28.6

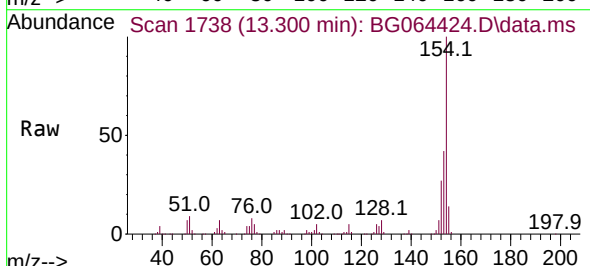
Manual Integrations

APPROVED

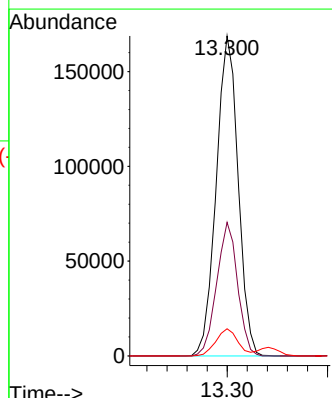
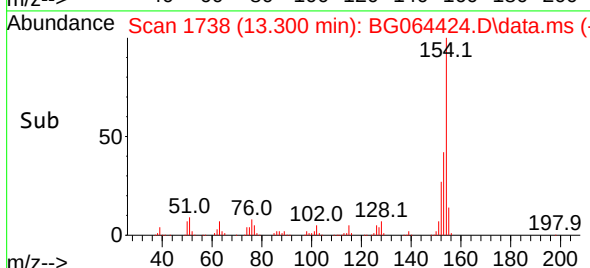
Reviewed By :Rahul Chavli 09/23/2025
Supervised By :Jagrut Upadhyay 09/23/2025

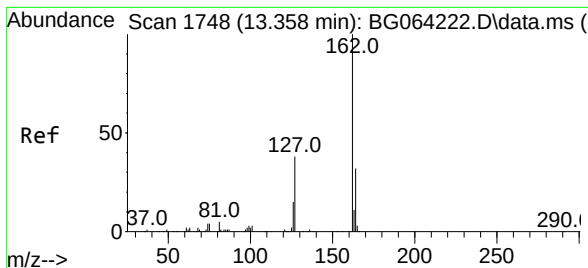


#46
1,1'-Biphenyl
Concen: 60.852 ng
RT: 13.300 min Scan# 1738
Delta R.T. -0.018 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02



Tgt Ion:154 Resp: 255737
Ion Ratio Lower Upper
154 100
153 41.7 19.9 59.9
76 8.5 0.0 30.9





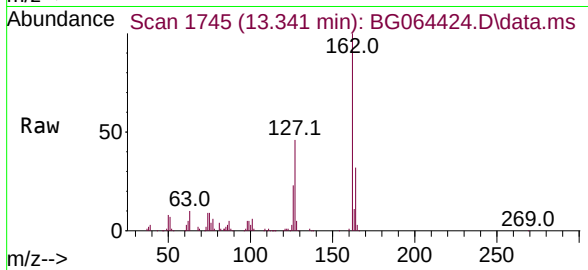
#47
2-Chloronaphthalene
Concen: 53.027 ng
RT: 13.341 min Scan# 1745
Delta R.T. -0.018 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

Instrument :

BNA_G

ClientSampleId :

VNJ-238MSD

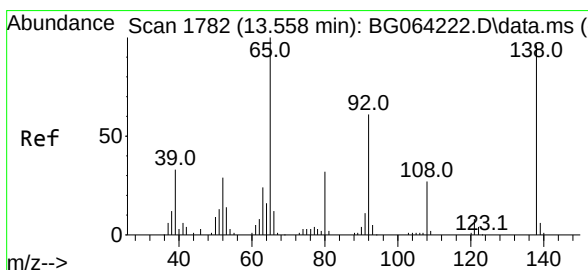
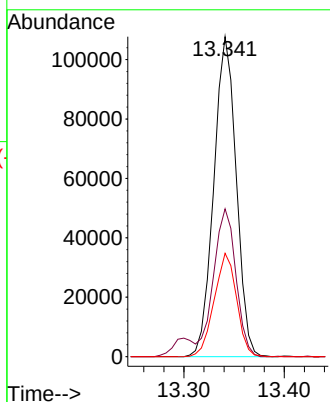
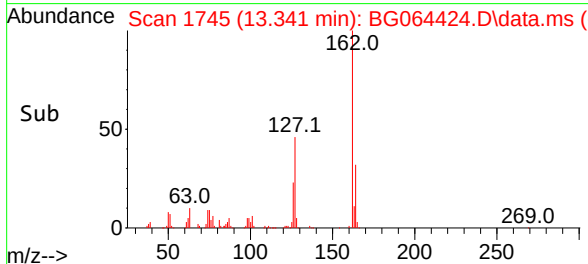


Tgt Ion:162 Resp: 167540
Ion Ratio Lower Upper
162 100
127 46.2 33.9 50.9
164 32.3 25.4 38.2

Manual Integrations

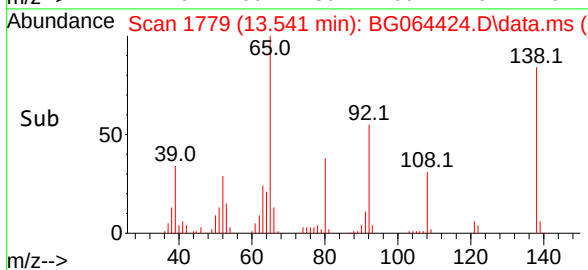
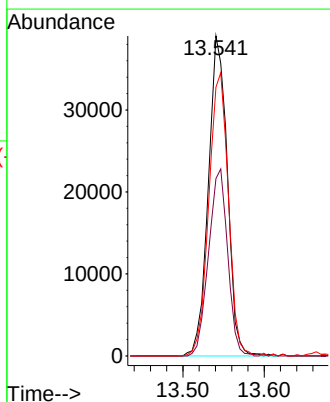
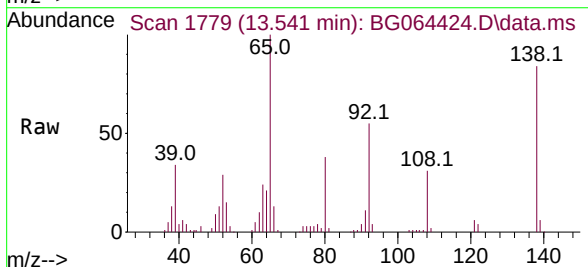
APPROVED

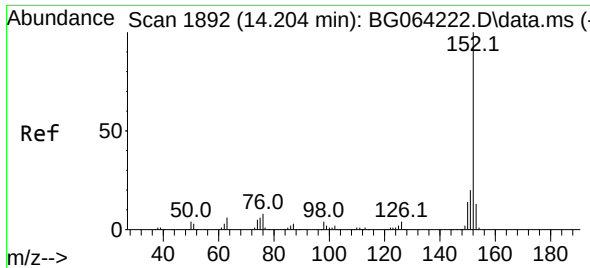
Reviewed By :Rahul Chavli 09/23/2025
Supervised By :Jagrut Upadhyay 09/23/2025



#48
2-Nitroaniline
Concen: 58.731 ng
RT: 13.541 min Scan# 1779
Delta R.T. -0.024 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

Tgt Ion: 65 Resp: 63246
Ion Ratio Lower Upper
65 100
92 55.5 49.2 73.8
138 84.0 76.8 115.2





#49
Acenaphthylene
Concen: 63.200 ng
RT: 14.187 min Scan# 1889
Delta R.T. -0.018 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

Instrument :

BNA_G

ClientSampleId :

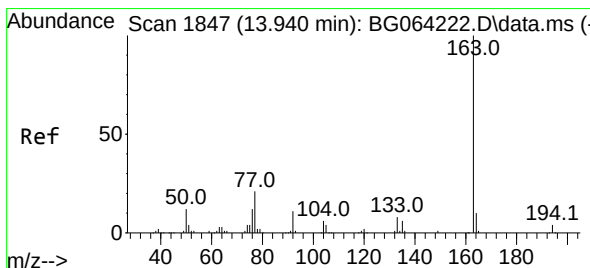
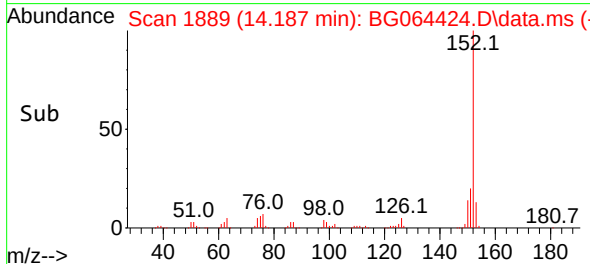
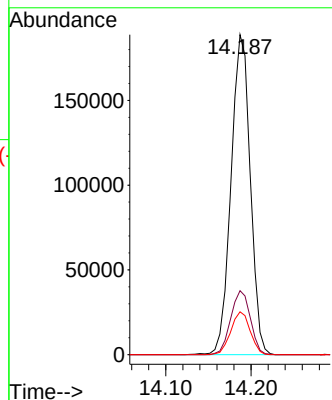
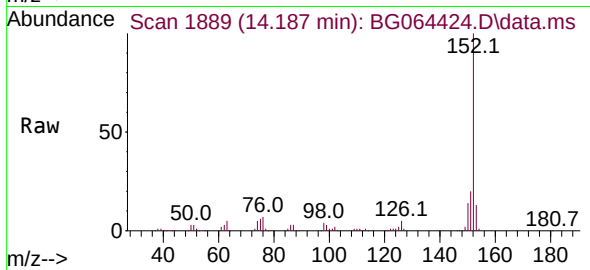
VNJ-238MSD

Tgt Ion:152 Resp: 295172
Ion Ratio Lower Upper
152 100
151 20.0 16.2 24.2
153 13.4 10.1 15.1

Manual Integrations

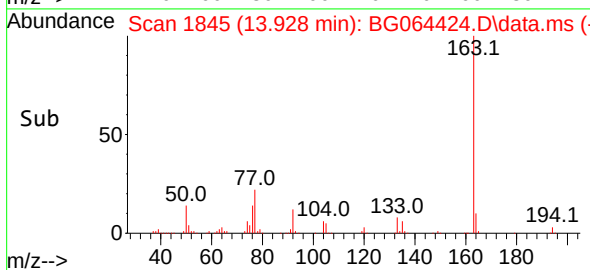
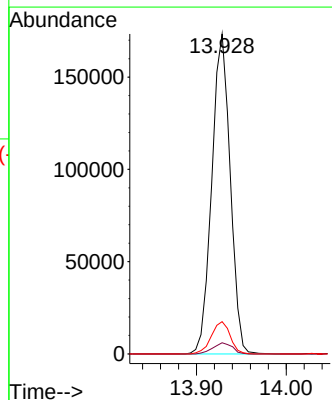
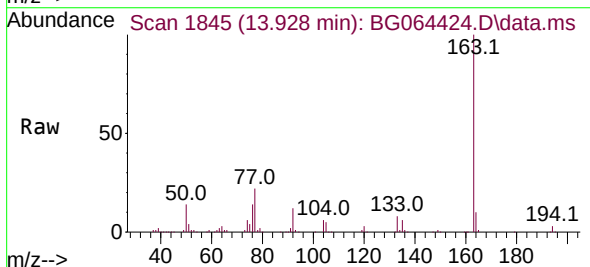
APPROVED

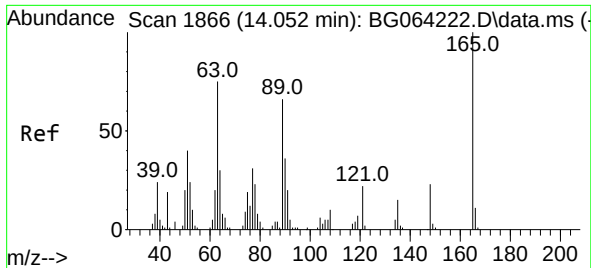
Reviewed By :Rahul Chavli 09/23/2025
Supervised By :Jagrut Upadhyay 09/23/2025



#50
Dimethylphthalate
Concen: 56.680 ng
RT: 13.928 min Scan# 1845
Delta R.T. -0.018 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

Tgt Ion:163 Resp: 247547
Ion Ratio Lower Upper
163 100
194 3.5 3.0 4.4
164 10.1 7.9 11.9





#51
2,6-Dinitrotoluene
Concen: 63.197 ng
RT: 14.040 min Scan# 1866
Delta R.T. -0.018 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

Instrument :

BNA_G

ClientSampleId :

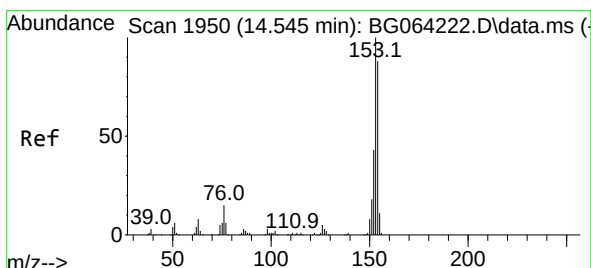
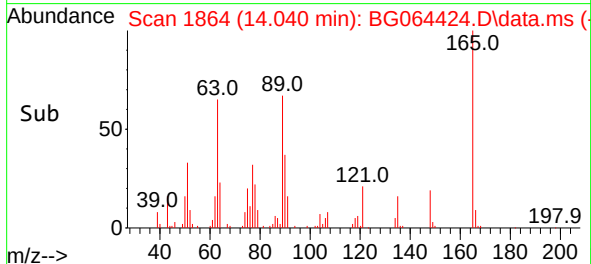
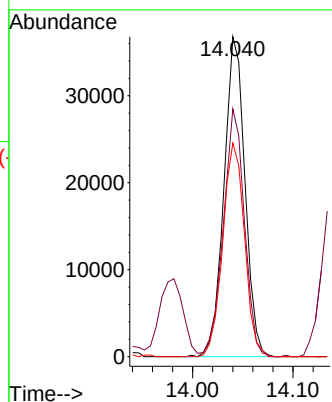
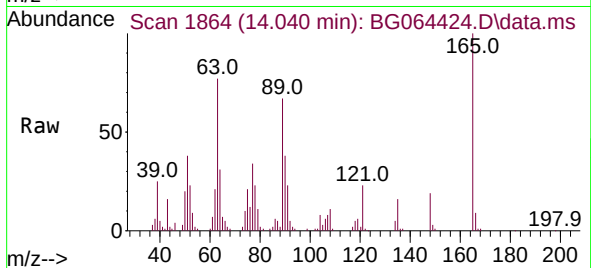
VNJ-238MSD

Tgt Ion:165 Resp: 53434
Ion Ratio Lower Upper
165 100
63 77.4 60.3 90.5
89 66.7 52.9 79.3

Manual Integrations

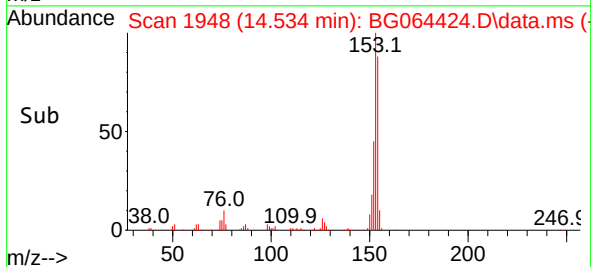
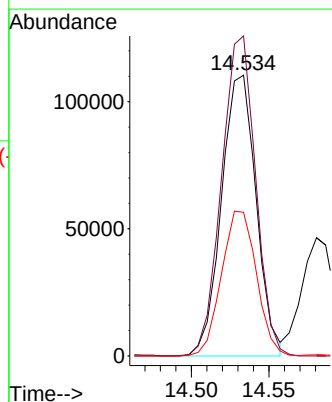
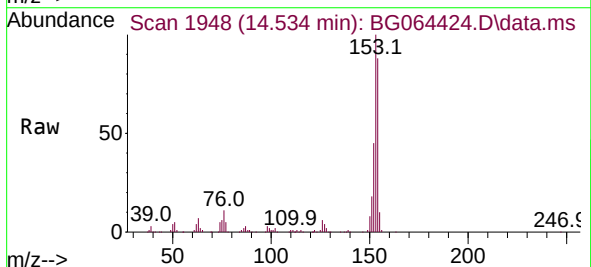
APPROVED

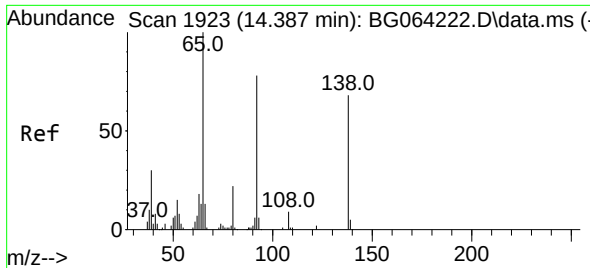
Reviewed By :Rahul Chavli 09/23/2025
Supervised By :Jagrut Upadhyay 09/23/2025



#52
Acenaphthene
Concen: 52.150 ng
RT: 14.534 min Scan# 1948
Delta R.T. -0.018 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

Tgt Ion:154 Resp: 171886
Ion Ratio Lower Upper
154 100
153 114.0 91.1 136.7
152 51.1 39.6 59.4





#53
3-Nitroaniline
Concen: 24.617 ng
RT: 14.369 min Scan# 1923
Delta R.T. -0.018 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

Instrument :

BNA_G

ClientSampleId :

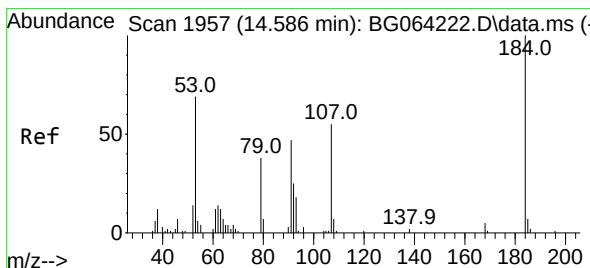
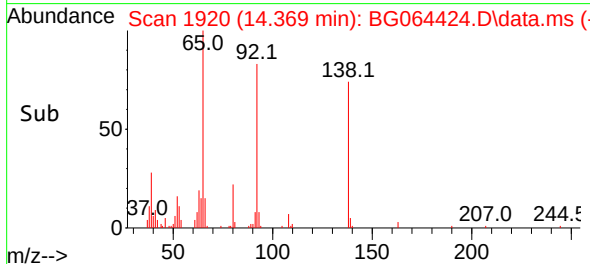
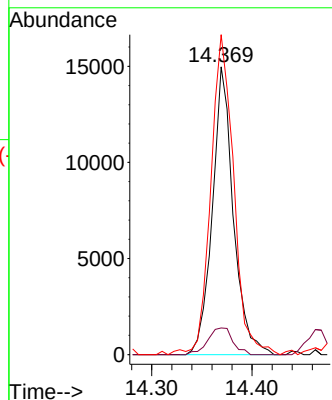
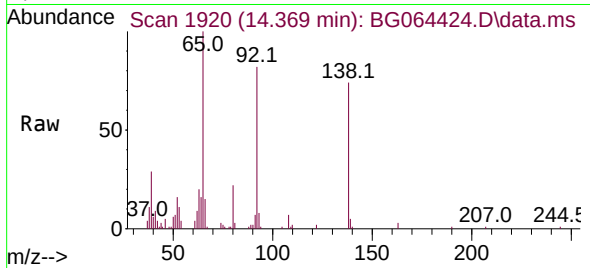
VNJ-238MSD

Tgt Ion:138 Resp: 21803
Ion Ratio Lower Upper
138 100
108 9.2 11.0 16.6
92 111.2 91.4 137.0

Manual Integrations

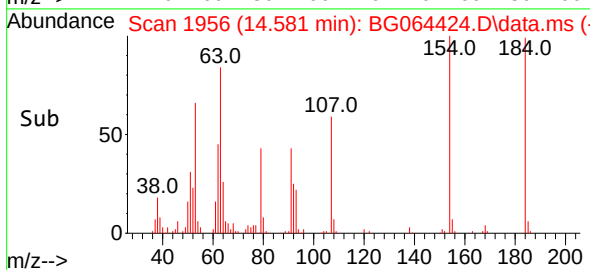
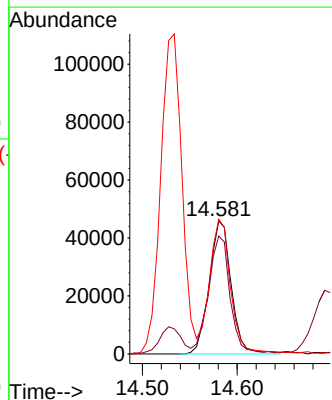
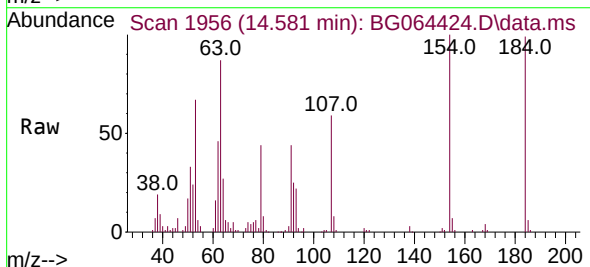
APPROVED

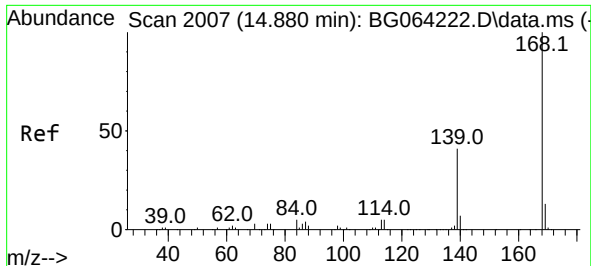
Reviewed By :Rahul Chavli 09/23/2025
Supervised By :Jagrut Upadhyay 09/23/2025



#54
2,4-Dinitrophenol
Concen: 129.840 ng
RT: 14.581 min Scan# 1956
Delta R.T. -0.011 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

Tgt Ion:184 Resp: 73819
Ion Ratio Lower Upper
184 100
63 88.6 60.1 90.1
154 101.3 59.8 89.8





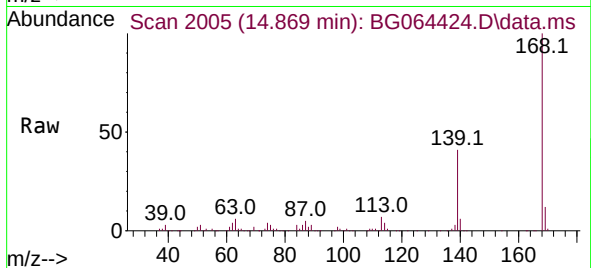
#55
Dibenzenofuran
Concen: 56.811 ng
RT: 14.869 min Scan# 2007
Delta R.T. -0.012 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

Instrument :

BNA_G

ClientSampleId :

VNJ-238MSD

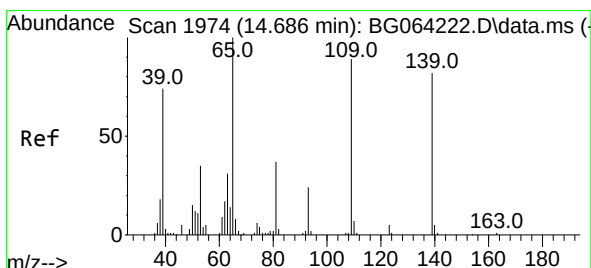
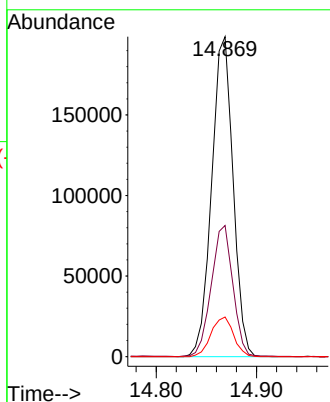
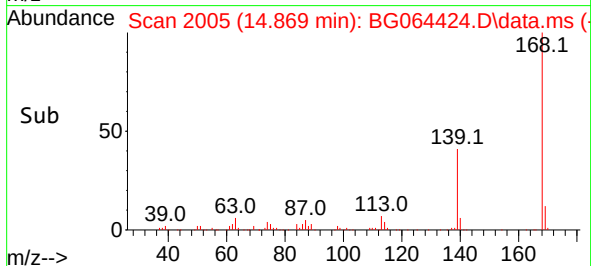


Tgt Ion:168 Resp: 294528
Ion Ratio Lower Upper
168 100
139 41.0 33.2 49.8
169 12.4 10.4 15.6

Manual Integrations

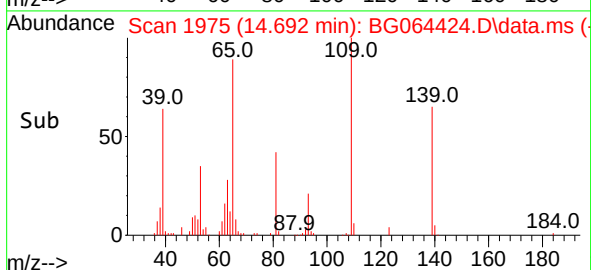
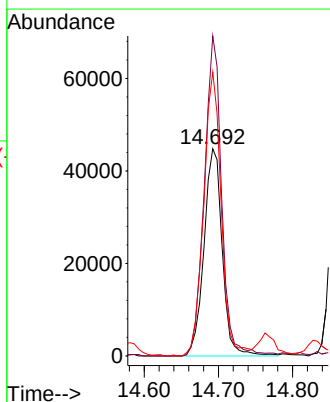
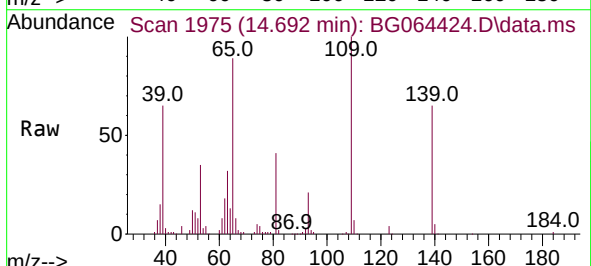
APPROVED

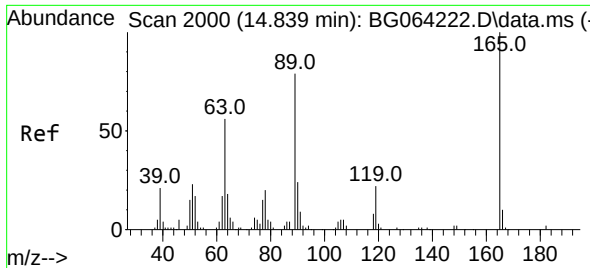
Reviewed By :Rahul Chavli 09/23/2025
Supervised By :Jagrut Upadhyay 09/23/2025



#56
4-Nitrophenol
Concen: 105.376 ng
RT: 14.692 min Scan# 1975
Delta R.T. -0.006 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

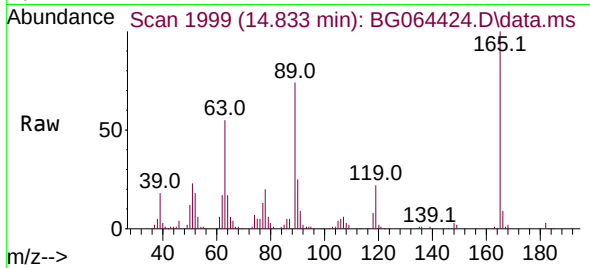
Tgt Ion:139 Resp: 76557
Ion Ratio Lower Upper
139 100
109 154.5 89.1 129.1#
65 137.1 102.9 142.9





#57
2,4-Dinitrotoluene
Concen: 64.761 ng
RT: 14.833 min Scan# 1999
Delta R.T. -0.012 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

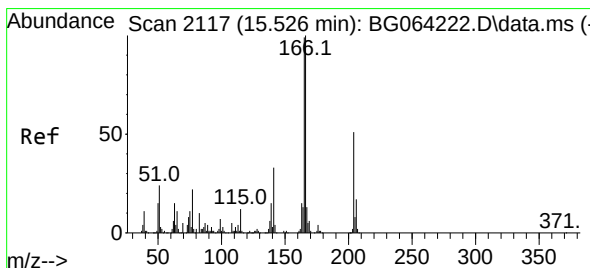
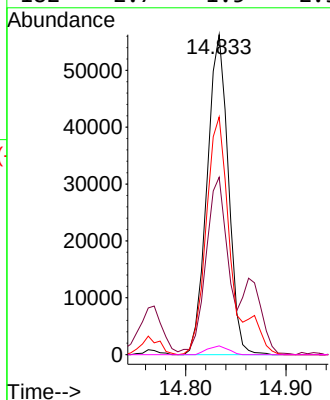
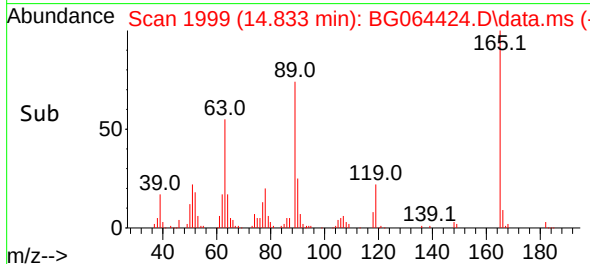
Instrument :
BNA_G
ClientSampleId :
VNJ-238MSD



Tgt Ion:165 Resp: 82793
Ion Ratio Lower Upper
165 100
63 55.4 44.6 67.0
89 74.3 63.0 94.4
182 2.7 1.5 2.3#

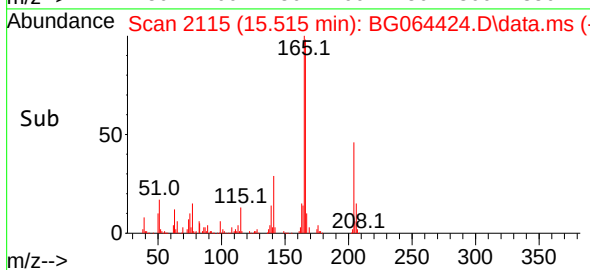
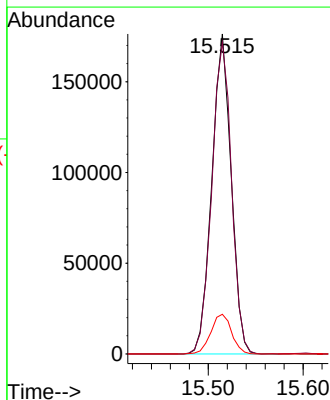
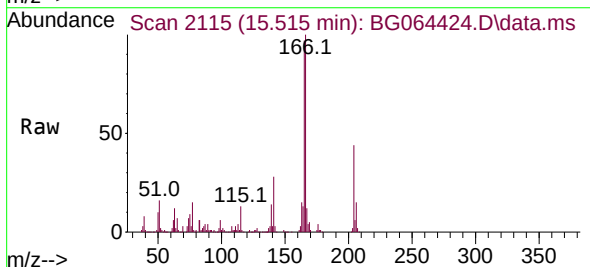
Manual Integrations
APPROVED

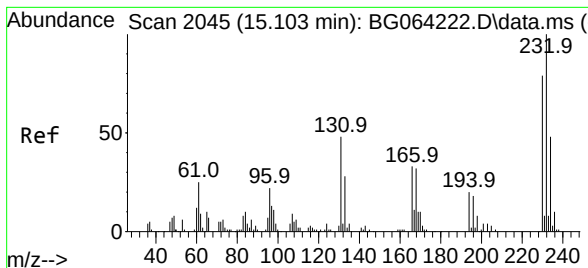
Reviewed By :Rahul Chavli 09/23/2025
Supervised By :Jagrut Upadhyay 09/23/2025



#58
Fluorene
Concen: 58.731 ng
RT: 15.515 min Scan# 2115
Delta R.T. -0.018 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

Tgt Ion:166 Resp: 249559
Ion Ratio Lower Upper
166 100
165 97.3 79.1 118.7
167 12.4 10.2 15.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 65.368 ng
RT: 15.098 min Scan# 2044
Delta R.T. -0.012 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

Instrument :

BNA_G

ClientSampleId :

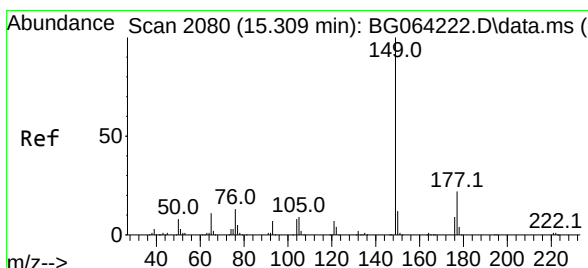
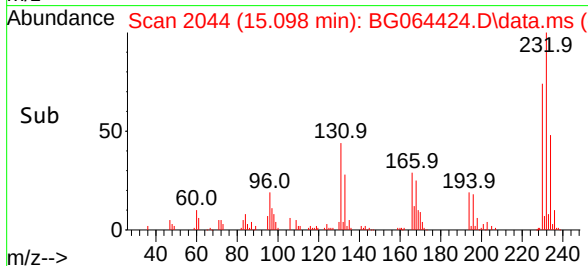
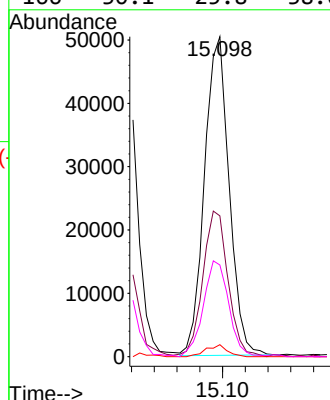
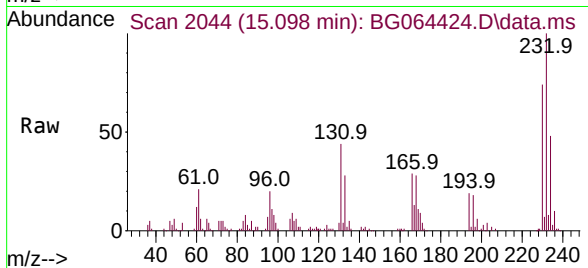
VNJ-238MSD

Tgt Ion:232 Resp: 75892
Ion Ratio Lower Upper
232 100
131 46.7 37.1 55.7
130 3.2 2.6 3.8
166 30.1 25.8 38.6

Manual Integrations

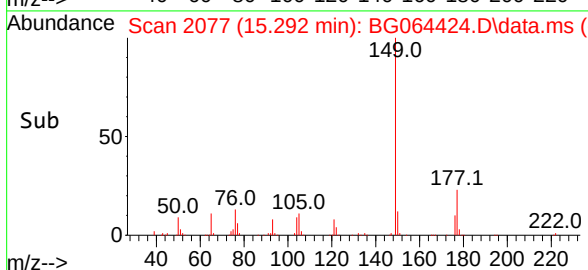
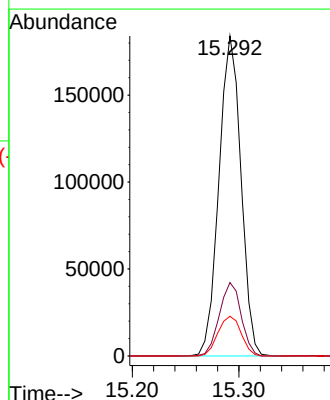
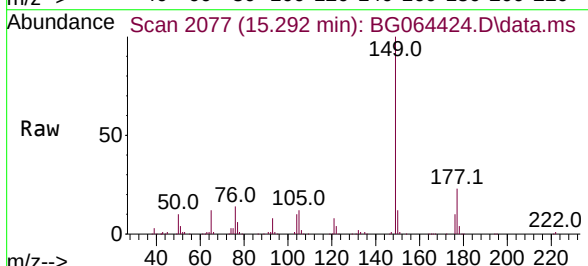
APPROVED

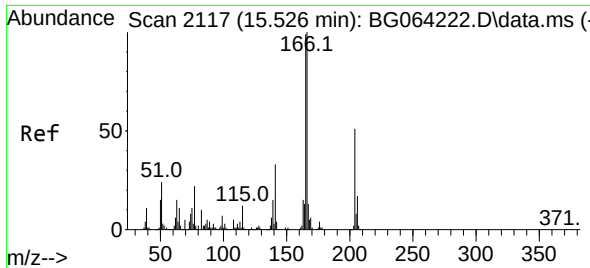
Reviewed By :Rahul Chavli 09/23/2025
Supervised By :Jagrut Upadhyay 09/23/2025



#60
Diethylphthalate
Concen: 56.491 ng
RT: 15.292 min Scan# 2077
Delta R.T. -0.024 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

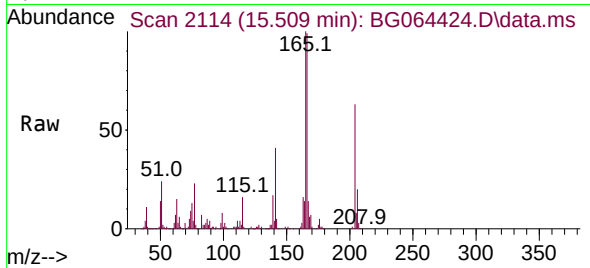
Tgt Ion:149 Resp: 264047
Ion Ratio Lower Upper
149 100
177 22.9 17.5 26.3
150 12.4 9.9 14.9





#61
4-Chlorophenyl-phenylether
Concen: 61.076 ng
RT: 15.509 min Scan# 2114
Delta R.T. -0.018 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

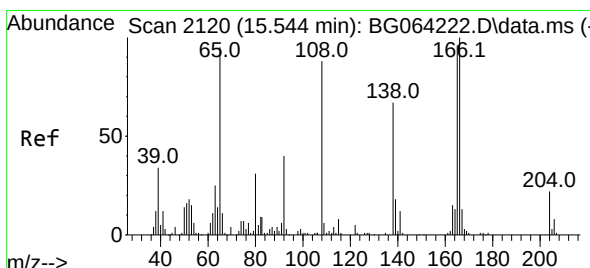
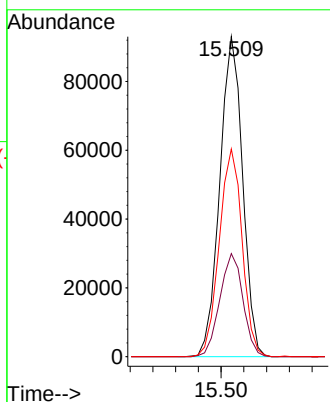
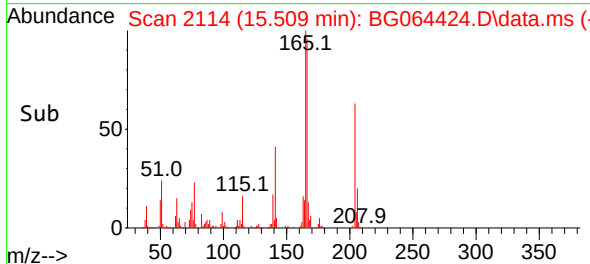
Instrument :
BNA_G
ClientSampleId :
VNJ-238MSD



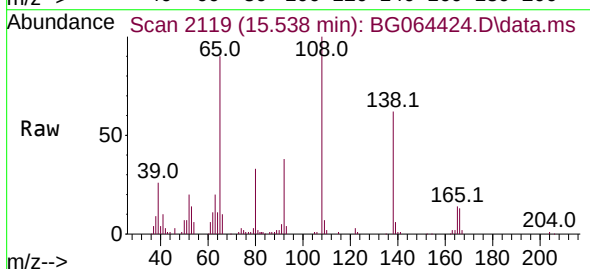
Tgt Ion:204 Resp: 129396
Ion Ratio Lower Upper
204 100
206 32.2 26.2 39.4
141 64.9 51.9 77.9

Manual Integrations
APPROVED

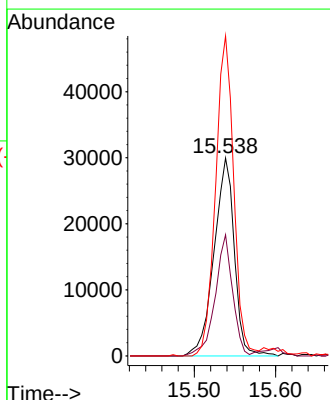
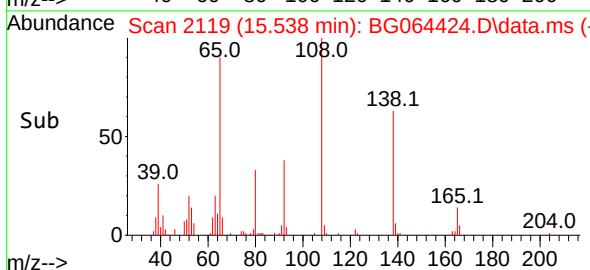
Reviewed By :Rahul Chavli 09/23/2025
Supervised By :Jagrut Upadhyay 09/23/2025

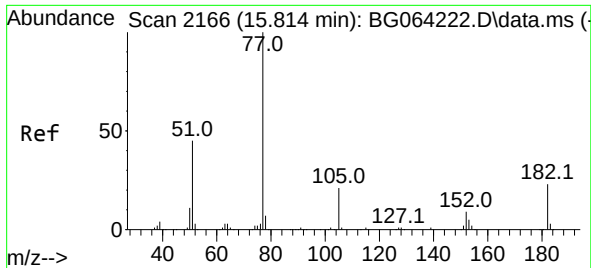


#62
4-Nitroaniline
Concen: 57.501 ng
RT: 15.538 min Scan# 2119
Delta R.T. -0.018 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02



Tgt Ion:138 Resp: 51967
Ion Ratio Lower Upper
138 100
92 61.2 39.1 79.1
108 161.8 111.3 151.3#





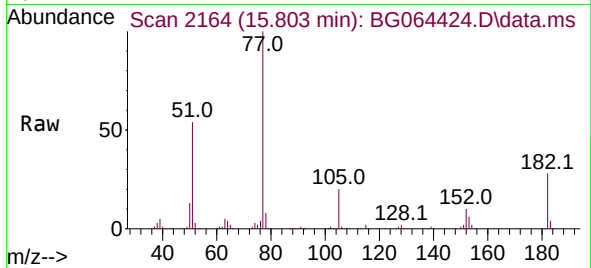
#63
Azobenzene
Concen: 53.130 ng
RT: 15.803 min Scan# 2166
Delta R.T. -0.018 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

Instrument :

BNA_G

ClientSampleId :

VNJ-238MSD



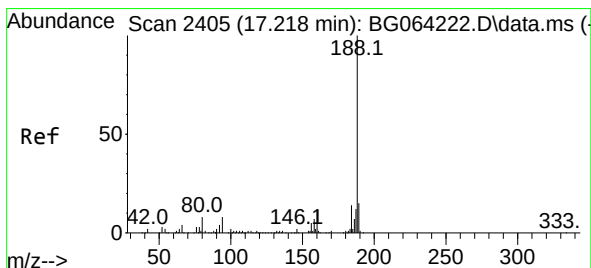
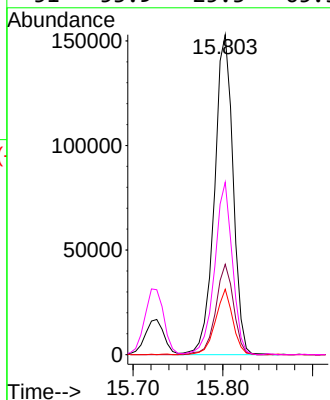
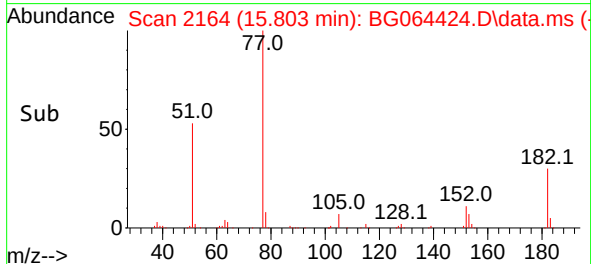
Tgt Ion: 77 Resp: 221338
Ion Ratio Lower Upper
77 100
182 28.3 3.3 43.3
105 20.4 0.6 40.6
51 53.9 25.3 65.3

Manual Integrations

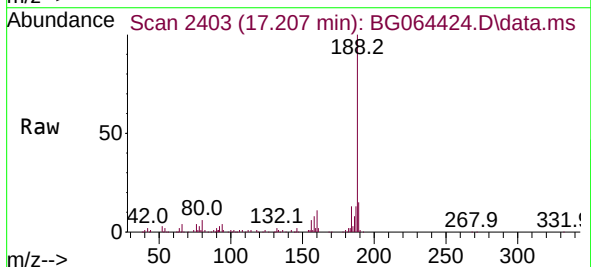
APPROVED

Reviewed By :Rahul Chavli 09/23/2025

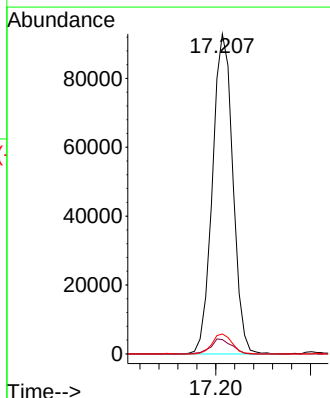
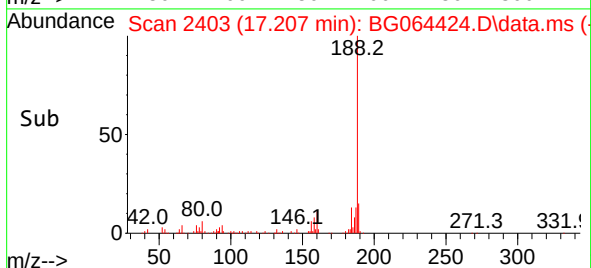
Supervised By :Jagrut Upadhyay 09/23/2025

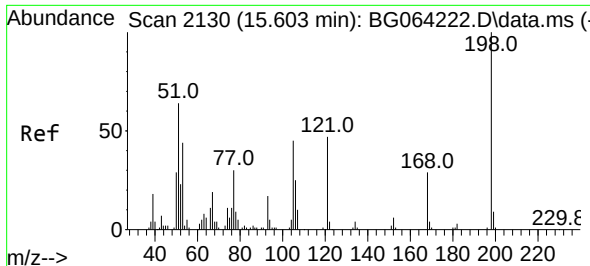


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.207 min Scan# 2403
Delta R.T. -0.018 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02



Tgt Ion:188 Resp: 138853
Ion Ratio Lower Upper
188 100
94 5.5 6.2 9.4#
80 6.2 6.8 10.2#





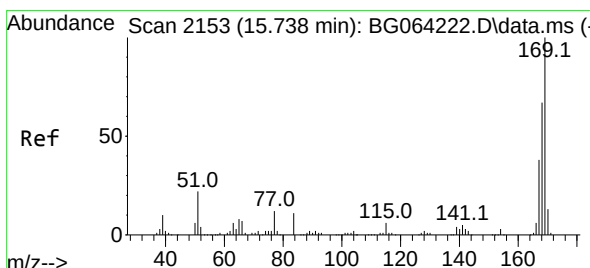
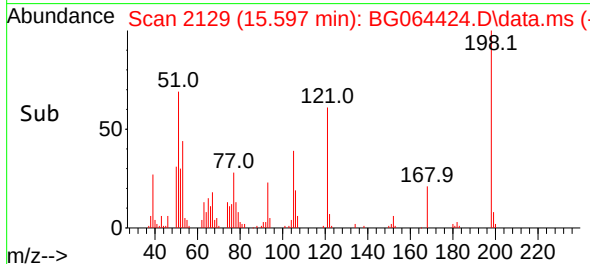
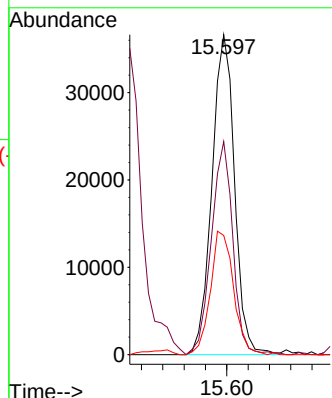
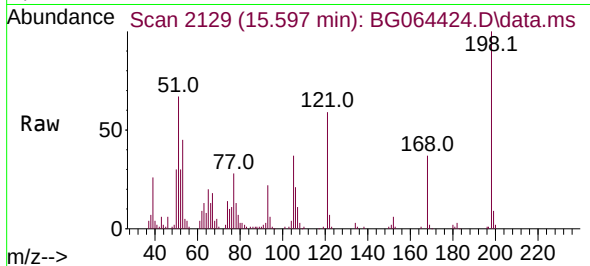
#65
4,6-Dinitro-2-methylphenol
Concen: 67.718 ng
RT: 15.597 min Scan# 2129
Delta R.T. -0.012 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

Instrument :
BNA_G
ClientSampleId :
VNJ-238MSD

Tgt Ion:198 Resp: 53985
Ion Ratio Lower Upper
198 100
51 66.6 46.2 86.2
105 37.2 25.0 65.0

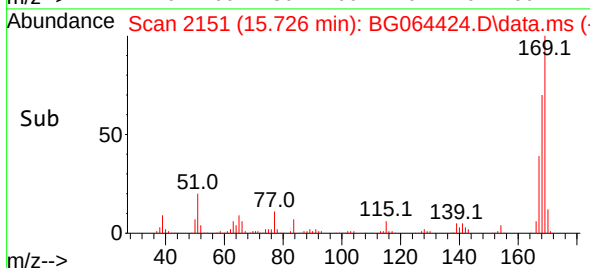
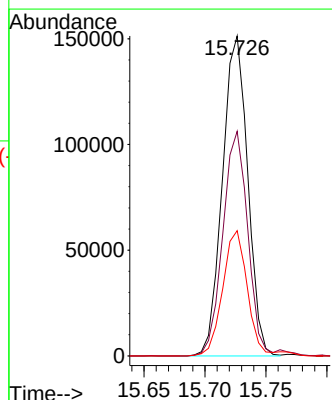
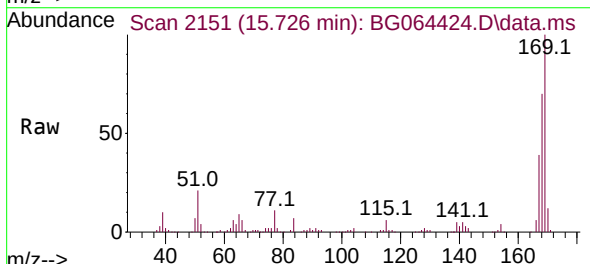
Manual Integrations
APPROVED

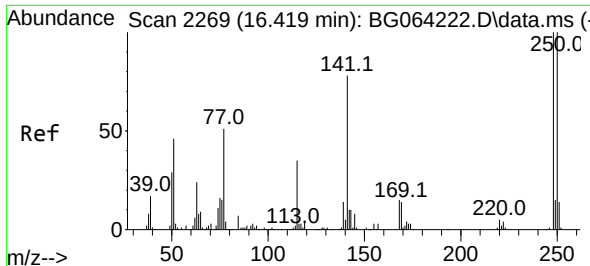
Reviewed By :Rahul Chavli 09/23/2025
Supervised By :Jagrut Upadhyay 09/23/2025



#66
n-Nitrosodiphenylamine
Concen: 57.167 ng
RT: 15.726 min Scan# 2151
Delta R.T. -0.018 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

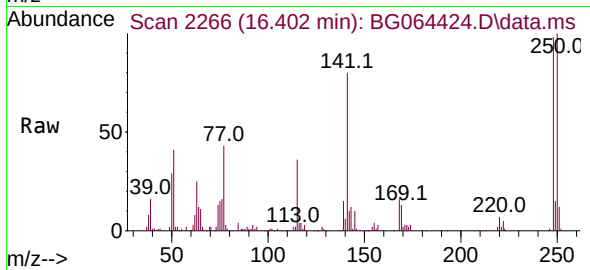
Tgt Ion:169 Resp: 218361
Ion Ratio Lower Upper
169 100
168 70.2 53.8 80.8
167 39.1 30.2 45.2





#67
4-Bromophenyl-phenylether
Concen: 62.456 ng
RT: 16.402 min Scan# 21
Delta R.T. -0.018 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

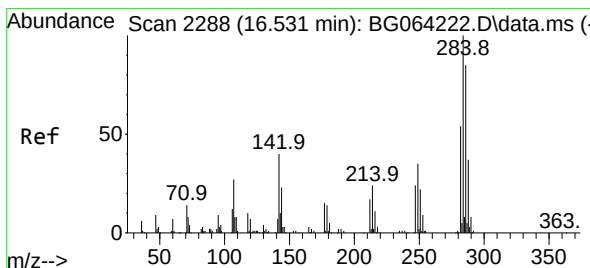
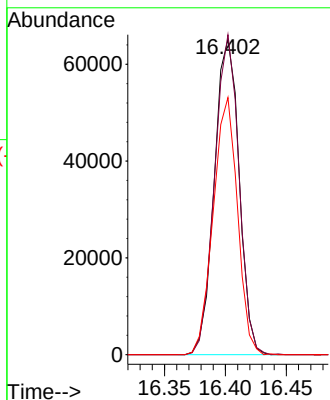
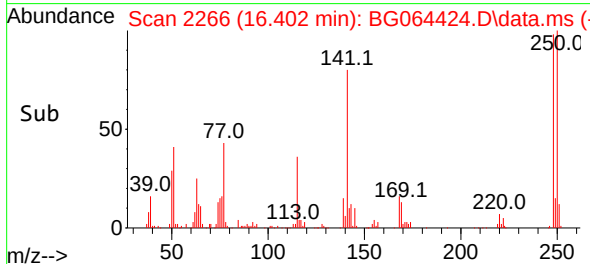
Instrument :
BNA_G
ClientSampleId :
VNJ-238MSD



Tgt Ion:248 Resp: 92109
Ion Ratio Lower Upper
248 100
250 101.5 80.2 120.4
141 81.6 62.4 93.6

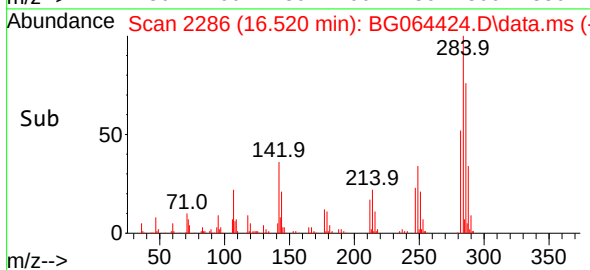
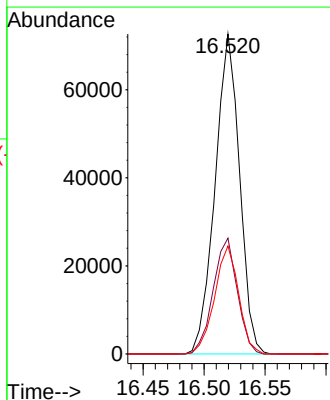
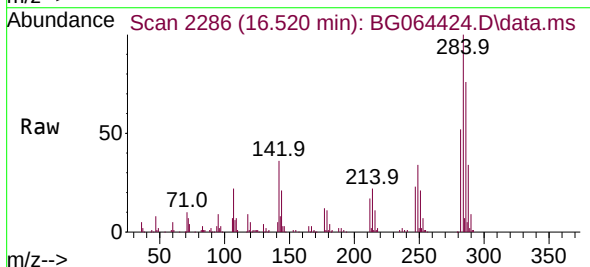
Manual Integrations
APPROVED

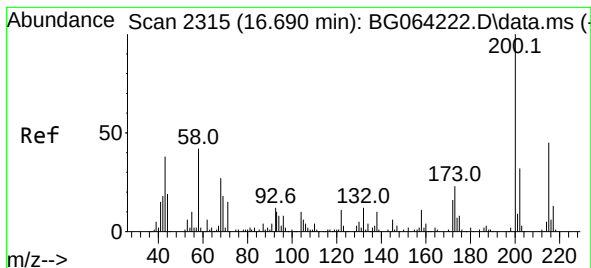
Reviewed By :Rahul Chavli 09/23/2025
Supervised By :Jagrut Upadhyay 09/23/2025



#68
Hexachlorobenzene
Concen: 61.899 ng
RT: 16.520 min Scan# 2286
Delta R.T. -0.018 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

Tgt Ion:284 Resp: 101374
Ion Ratio Lower Upper
284 100
142 36.2 32.1 48.1
249 33.8 28.3 42.5





#69

Atrazine

Concen: 61.288 ng

RT: 16.672 min Scan# 2312

Delta R.T. -0.024 min

Lab File: BG064424.D

Acq: 22 Sep 2025 21:02

Instrument :

BNA_G

ClientSampleId :

VNJ-238MSD

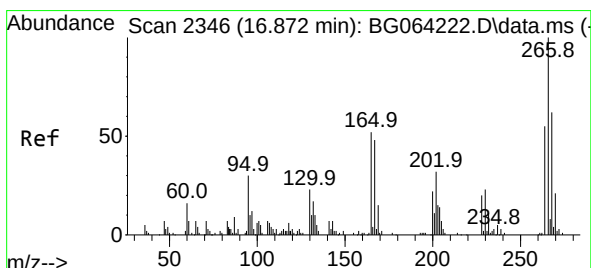
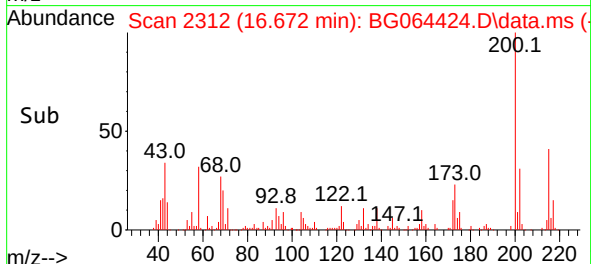
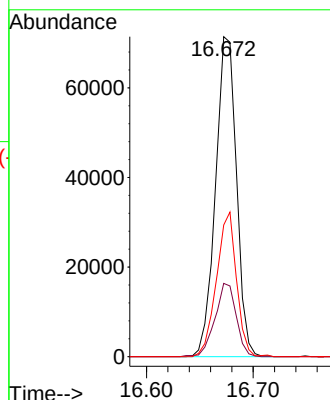
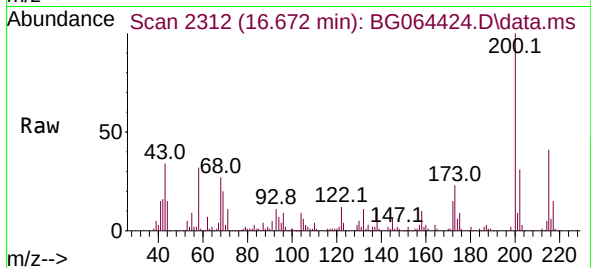
Tgt Ion:200	Resp:	97748
Ion Ratio	Lower	Upper
200	100	
173	22.9	3.5 43.5
215	41.1	24.8 64.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/23/2025

Supervised By :Jagrut Upadhyay 09/23/2025



#70

Pentachlorophenol

Concen: 135.561 ng

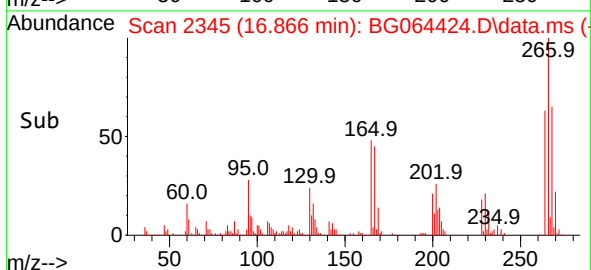
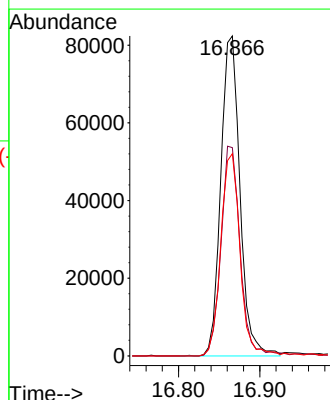
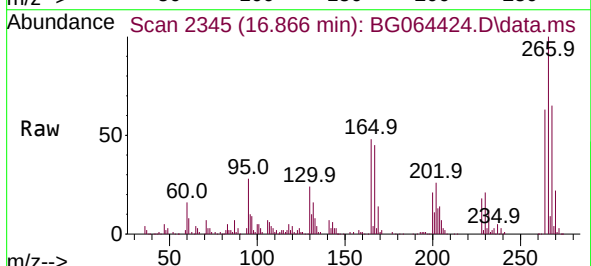
RT: 16.866 min Scan# 2345

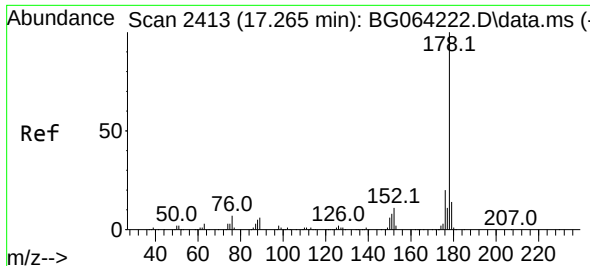
Delta R.T. -0.012 min

Lab File: BG064424.D

Acq: 22 Sep 2025 21:02

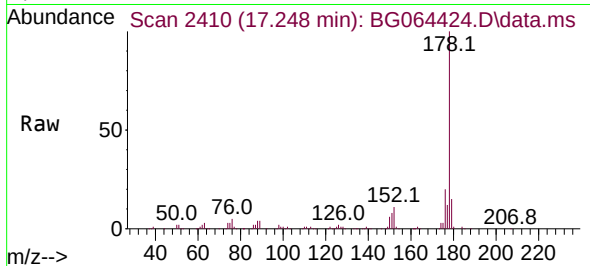
Tgt Ion:266	Resp:	134616
Ion Ratio	Lower	Upper
266	100	
268	65.1	49.4 74.0
264	63.2	44.3 66.5





#71
Phenanthrene
Concen: 56.630 ng
RT: 17.248 min Scan# 2413
Delta R.T. -0.018 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

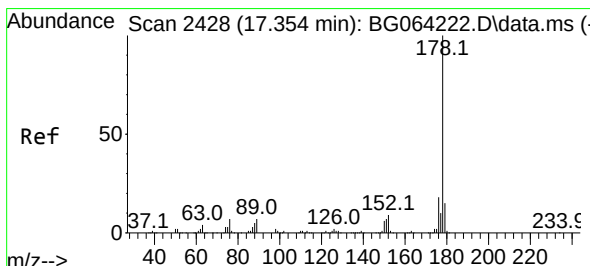
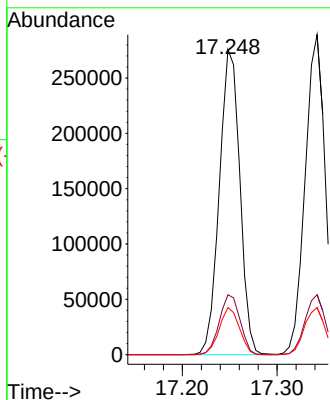
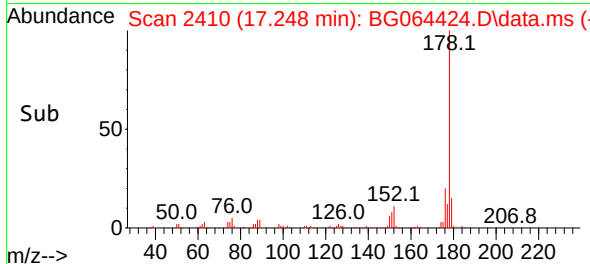
Instrument :
BNA_G
ClientSampleId :
VNJ-238MSD



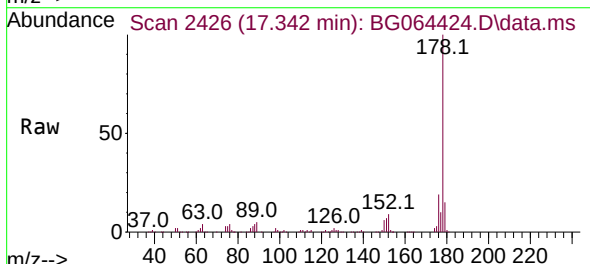
Tgt Ion:178 Resp: 414732
Ion Ratio Lower Upper
178 100
176 19.6 15.9 23.9
179 15.4 11.4 17.2

Manual Integrations
APPROVED

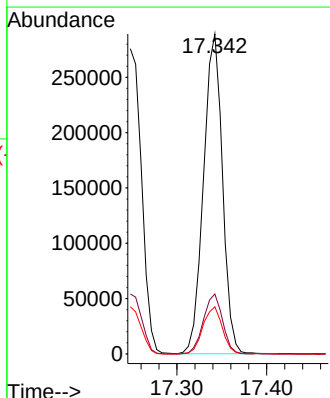
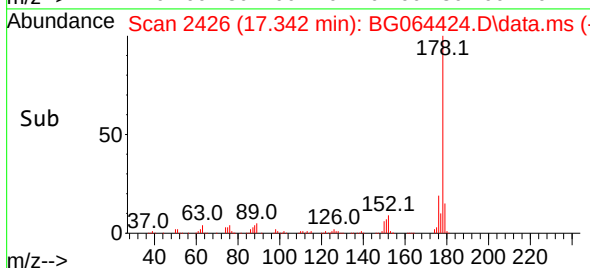
Reviewed By :Rahul Chavli 09/23/2025
Supervised By :Jagrut Upadhyay 09/23/2025

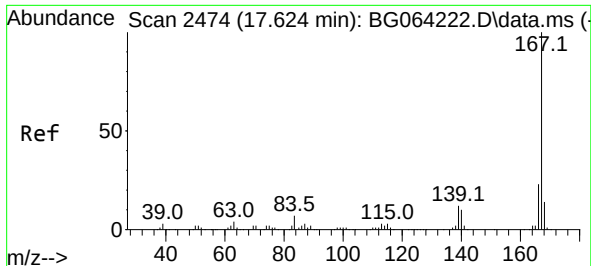


#72
Anthracene
Concen: 56.985 ng
RT: 17.342 min Scan# 2426
Delta R.T. -0.018 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02



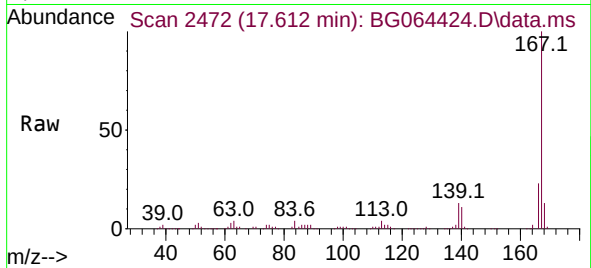
Tgt Ion:178 Resp: 424516
Ion Ratio Lower Upper
178 100
176 18.7 14.7 22.1
179 14.7 12.1 18.1





#73
Carbazole
Concen: 57.035 ng
RT: 17.612 min Scan# 2472
Delta R.T. -0.012 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

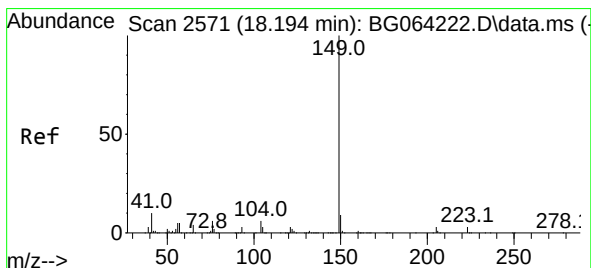
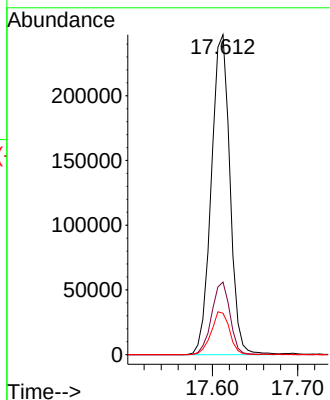
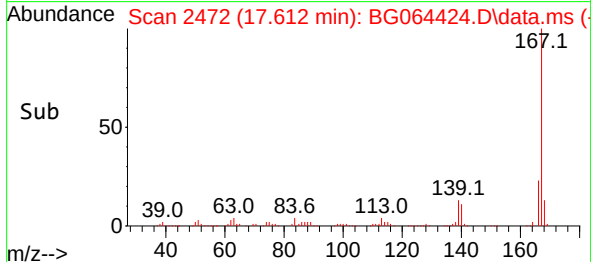
Instrument :
BNA_G
ClientSampleId :
VNJ-238MSD



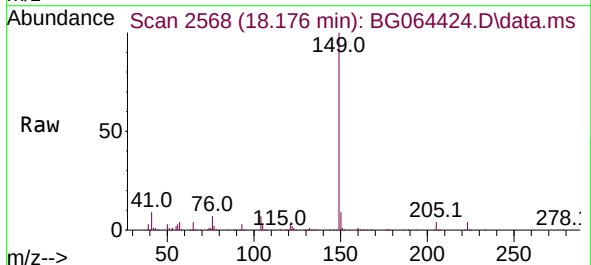
Tgt Ion:167 Resp: 374300
Ion Ratio Lower Upper
167 100
166 22.7 18.2 27.2
139 12.9 9.8 14.6

Manual Integrations
APPROVED

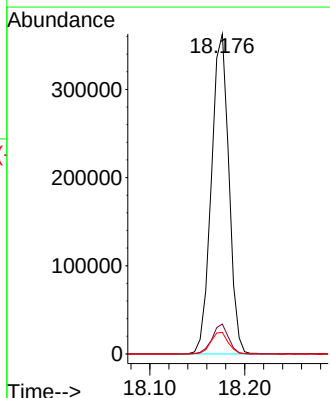
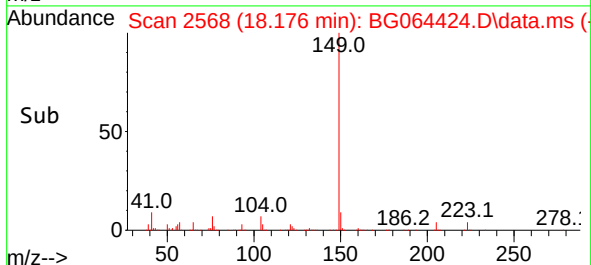
Reviewed By :Rahul Chavli 09/23/2025
Supervised By :Jagrut Upadhyay 09/23/2025

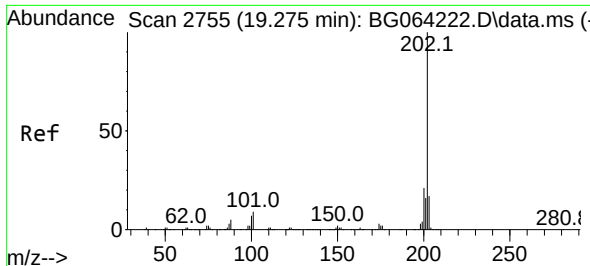


#74
Di-n-butylphthalate
Concen: 59.086 ng
RT: 18.176 min Scan# 2568
Delta R.T. -0.018 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02



Tgt Ion:149 Resp: 465863
Ion Ratio Lower Upper
149 100
150 9.3 7.5 11.3
104 6.8 4.6 7.0





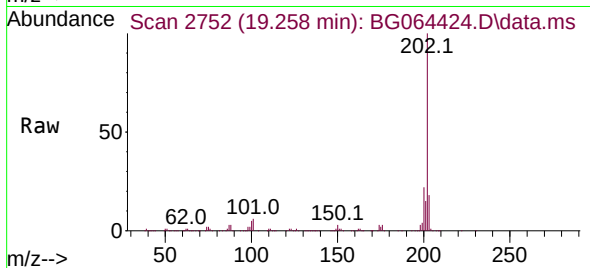
#75
Fluoranthene
Concen: 57.879 ng
RT: 19.258 min Scan# 21
Delta R.T. -0.018 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

Instrument :

BNA_G

ClientSampleId :

VNJ-238MSD

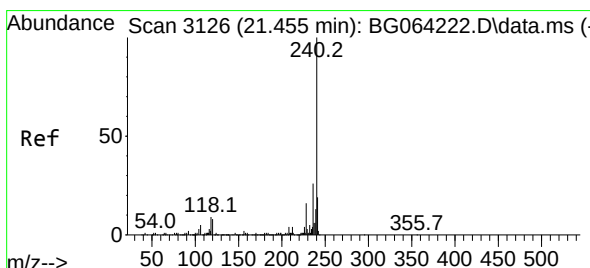
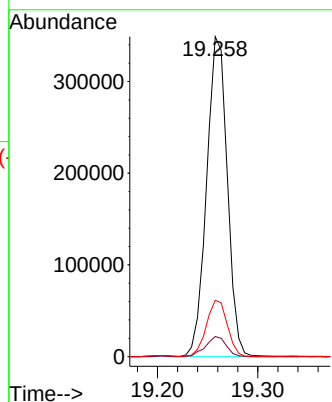
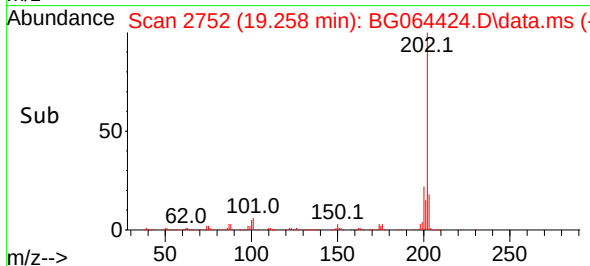


Tgt Ion:202 Resp: 498405
Ion Ratio Lower Upper
202 100
101 6.3 0.0 28.7
203 17.6 0.0 36.9

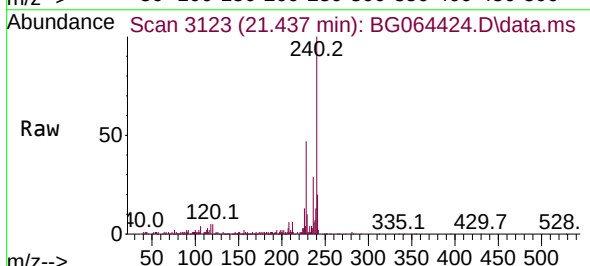
Manual Integrations

APPROVED

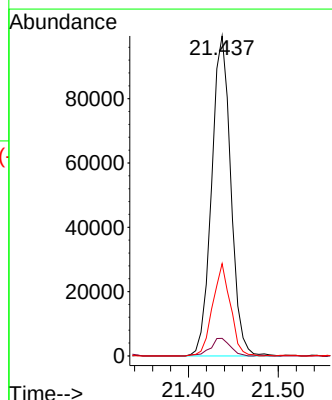
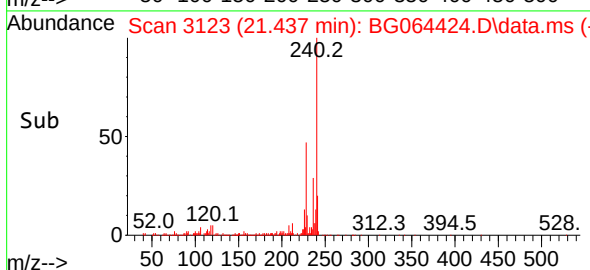
Reviewed By :Rahul Chavli 09/23/2025
Supervised By :Jagrut Upadhyay 09/23/2025

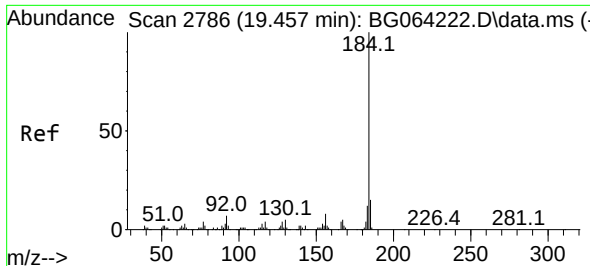


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.437 min Scan# 3123
Delta R.T. -0.018 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02



Tgt Ion:240 Resp: 148540
Ion Ratio Lower Upper
240 100
120 5.5 6.2 9.4#
236 28.8 20.5 30.7





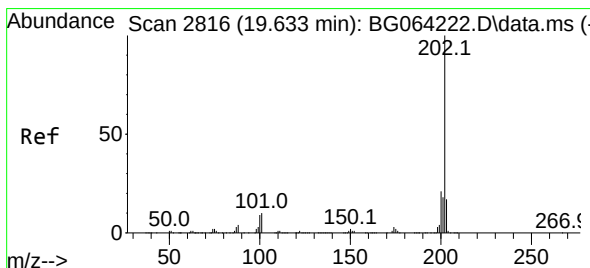
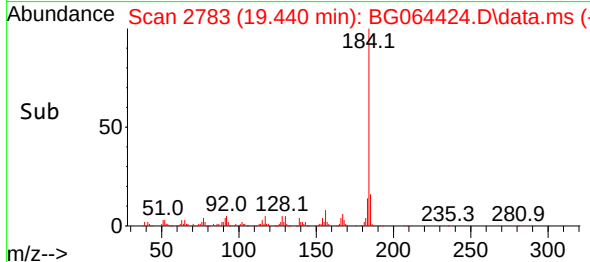
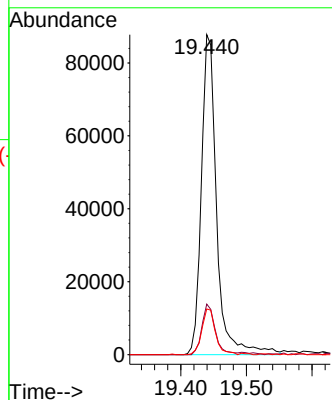
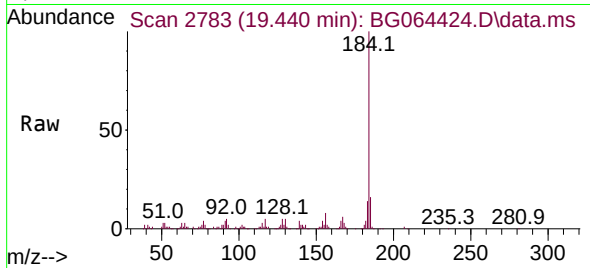
#77
Benzidine
Concen: 45.081 ng
RT: 19.440 min Scan# 21
Delta R.T. -0.018 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

Instrument :
BNA_G
ClientSampleId :
VNJ-238MSD

Tgt Ion:184 Resp: 140862
Ion Ratio Lower Upper
184 100
185 15.8 11.7 17.5
183 14.3 9.7 14.5

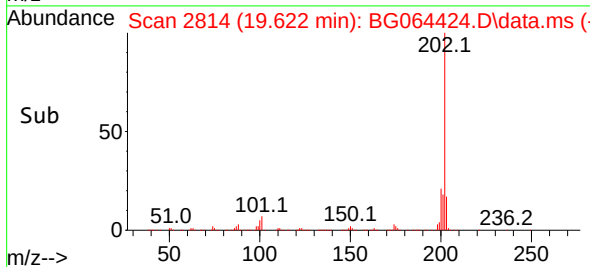
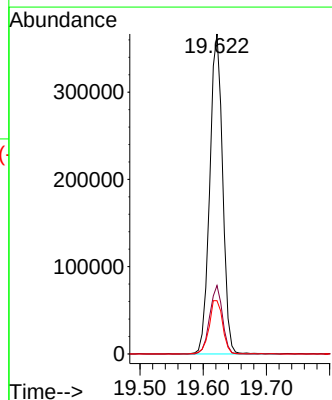
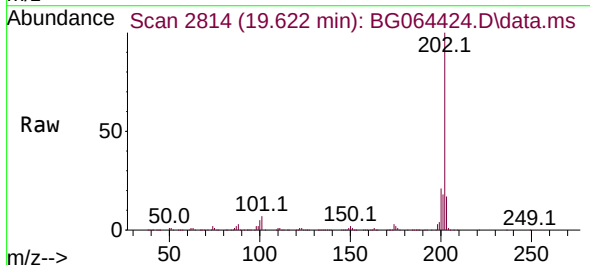
Manual Integrations
APPROVED

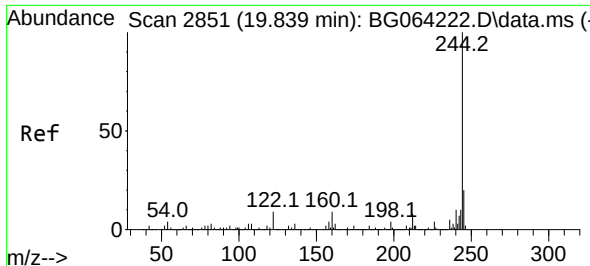
Reviewed By :Rahul Chavli 09/23/2025
Supervised By :Jagrut Upadhyay 09/23/2025



#78
Pyrene
Concen: 55.326 ng
RT: 19.622 min Scan# 2814
Delta R.T. -0.018 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

Tgt Ion:202 Resp: 517756
Ion Ratio Lower Upper
202 100
200 21.4 16.9 25.3
203 16.6 13.8 20.8





#79
 Terphenyl-d14
 Concen: 124.859 ng
 RT: 19.827 min Scan# 2849
 Delta R.T. -0.018 min
 Lab File: BG064424.D
 Acq: 22 Sep 2025 21:02

Instrument :

BNA_G

ClientSampleId :

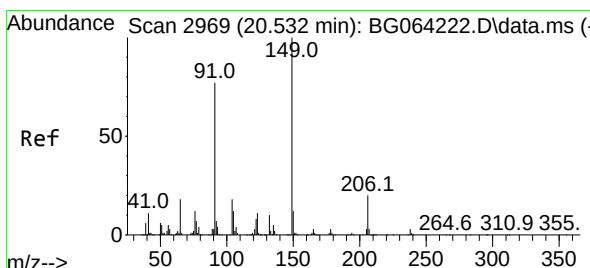
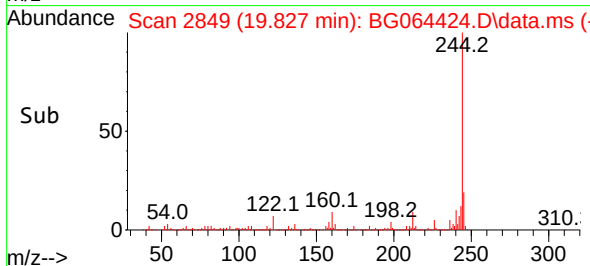
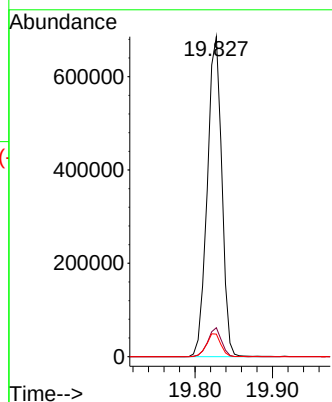
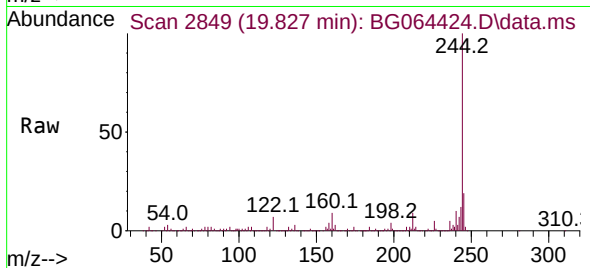
VNJ-238MSD

Tgt Ion:244 Resp: 88895
 Ion Ratio Lower Upper
 244 100
 212 9.0 6.6 10.0
 122 7.0 7.0 10.6

Manual Integrations

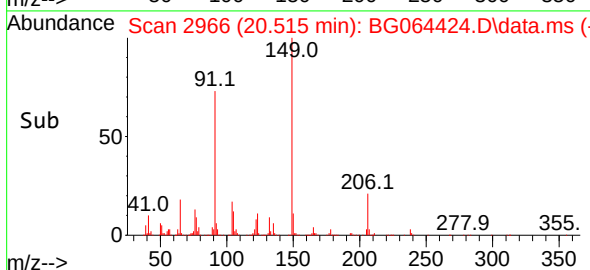
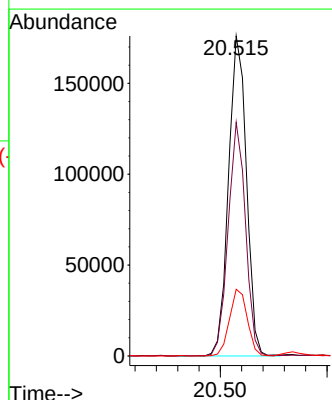
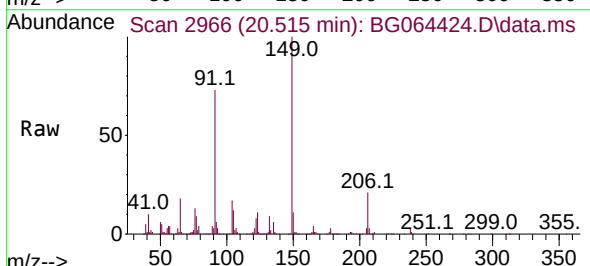
APPROVED

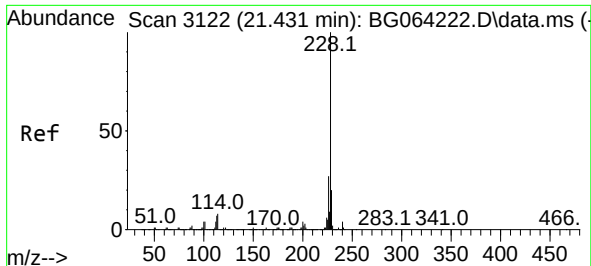
Reviewed By :Rahul Chavli 09/23/2025
 Supervised By :Jagrut Upadhyay 09/23/2025



#80
 Butylbenzylphthalate
 Concen: 58.155 ng
 RT: 20.515 min Scan# 2966
 Delta R.T. -0.018 min
 Lab File: BG064424.D
 Acq: 22 Sep 2025 21:02

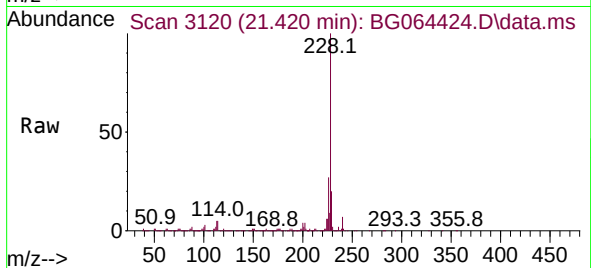
Tgt Ion:149 Resp: 205267
 Ion Ratio Lower Upper
 149 100
 91 73.0 61.4 92.0
 206 20.9 15.8 23.6





#81
Benzo(a)anthracene
Concen: 57.136 ng
RT: 21.420 min Scan# 311
Delta R.T. -0.018 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

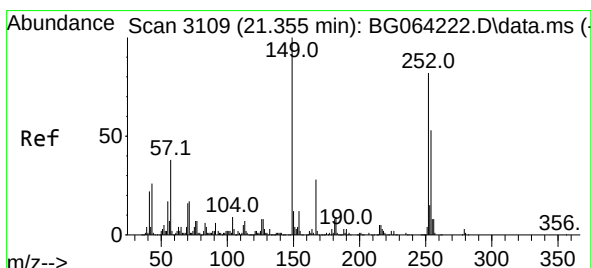
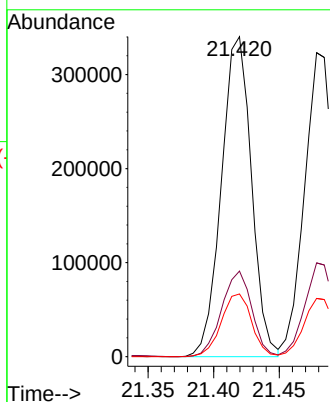
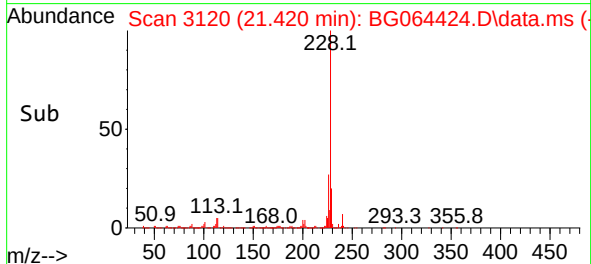
Instrument :
BNA_G
ClientSampleId :
VNJ-238MSD



Tgt Ion:228 Resp: 542960
Ion Ratio Lower Upper
228 100
226 26.7 21.7 32.5
229 19.6 15.9 23.9

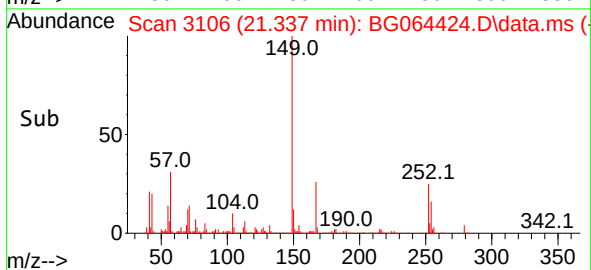
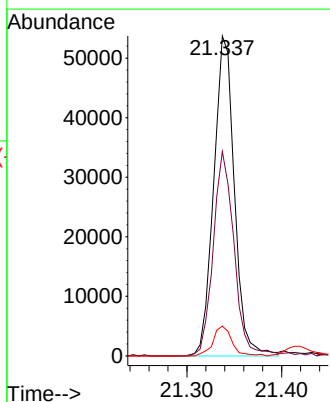
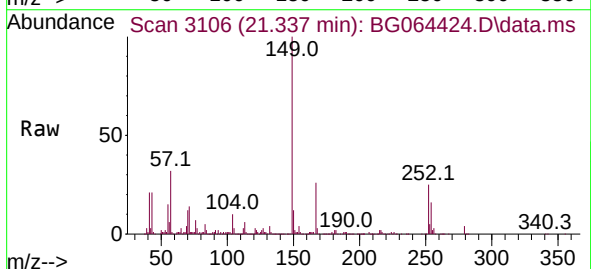
Manual Integrations
APPROVED

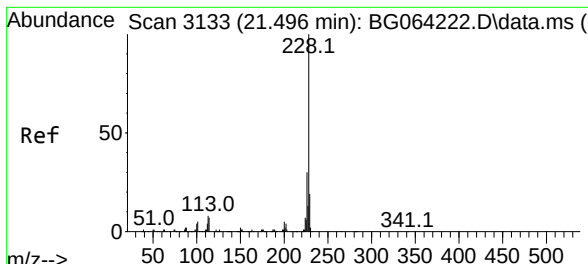
Reviewed By :Rahul Chavli 09/23/2025
Supervised By :Jagrut Upadhyay 09/23/2025



#82
3,3'-Dichlorobenzidine
Concen: 26.315 ng
RT: 21.337 min Scan# 3106
Delta R.T. -0.024 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

Tgt Ion:252 Resp: 81443
Ion Ratio Lower Upper
252 100
254 63.9 51.9 77.9
126 9.3 7.6 11.4





#83
 Chrysene
 Concen: 55.477 ng
 RT: 21.478 min Scan# 3110
 Delta R.T. -0.024 min
 Lab File: BG064424.D
 Acq: 22 Sep 2025 21:02

Instrument :

BNA_G

ClientSampleId :

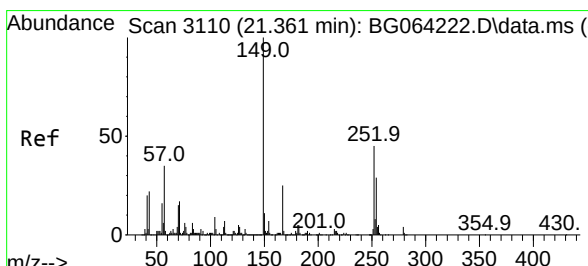
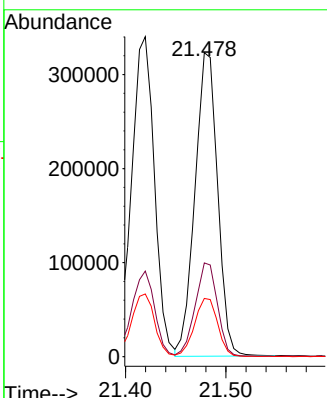
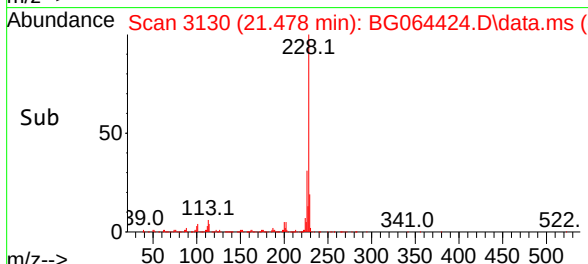
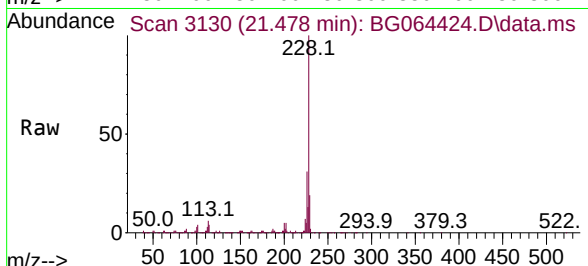
VNJ-238MSD

Tgt Ion:	228	Resp:	506126
Ion Ratio	Lower	Upper	
228	100		
226	30.8	24.2	36.2
229	19.1	15.4	23.2

Manual Integrations

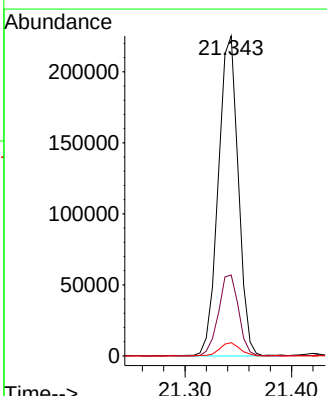
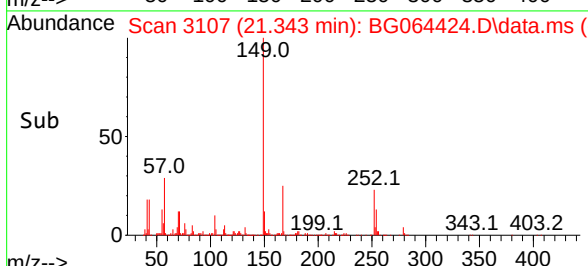
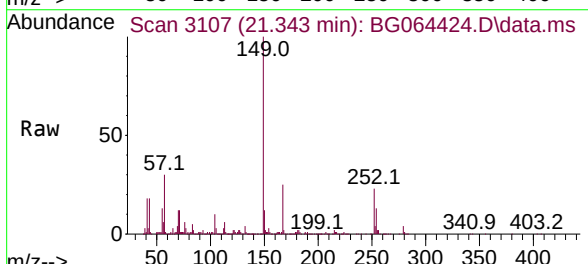
APPROVED

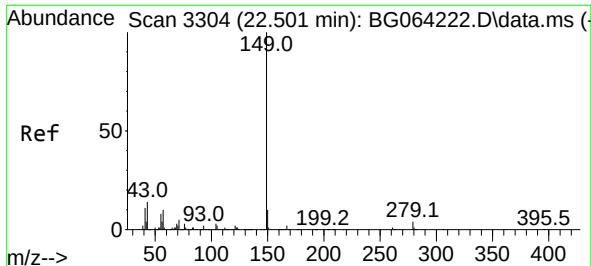
Reviewed By :Rahul Chavli 09/23/2025
 Supervised By :Jagrut Upadhyay 09/23/2025



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 55.490 ng
 RT: 21.343 min Scan# 3107
 Delta R.T. -0.024 min
 Lab File: BG064424.D
 Acq: 22 Sep 2025 21:02

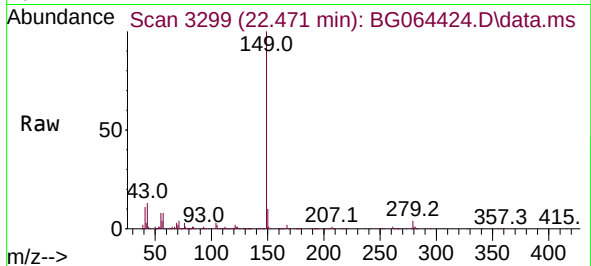
Tgt Ion:	149	Resp:	294058
Ion Ratio	Lower	Upper	
149	100		
167	25.3	20.0	30.0
279	4.1	3.0	4.4





#85
Di-n-octyl phthalate
Concen: 53.596 ng
RT: 22.471 min Scan# 31
Delta R.T. -0.035 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

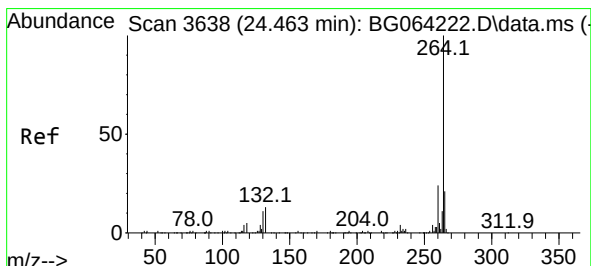
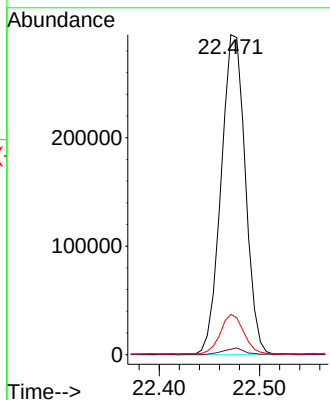
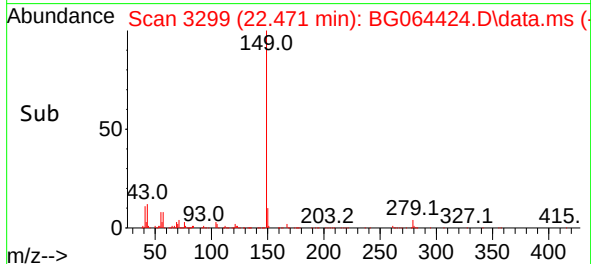
Instrument :
BNA_G
ClientSampleId :
VNJ-238MSD



Tgt Ion:149 Resp: 494880
Ion Ratio Lower Upper
149 100
167 1.9 1.3 1.9
43 12.0 10.8 16.2

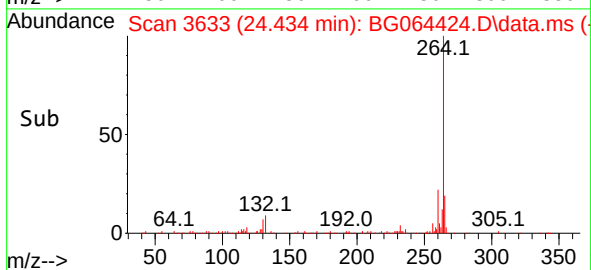
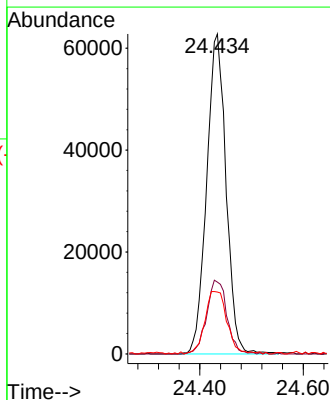
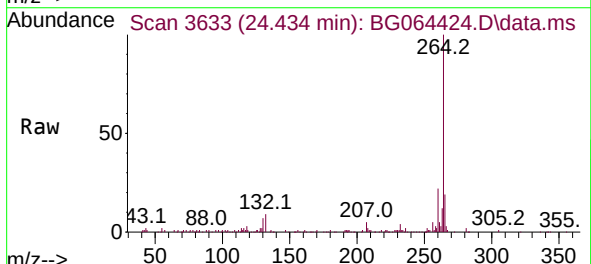
Manual Integrations
APPROVED

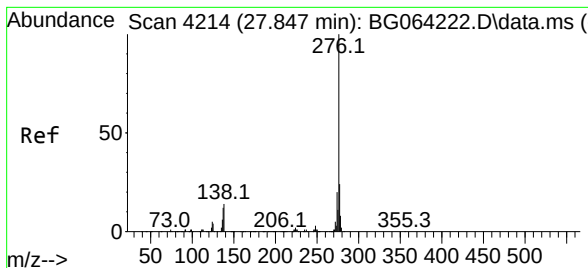
Reviewed By :Rahul Chavli 09/23/2025
Supervised By :Jagrut Upadhyay 09/23/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.434 min Scan# 3633
Delta R.T. -0.029 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

Tgt Ion:264 Resp: 163739
Ion Ratio Lower Upper
264 100
260 22.4 18.9 28.3
265 19.3 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 58.613 ng

RT: 27.818 min Scan# 4214

Delta R.T. -0.053 min

Lab File: BG064424.D

Acq: 22 Sep 2025 21:02

Instrument :

BNA_G

ClientSampleId :

VNJ-238MSD

Tgt Ion:276 Resp: 655408

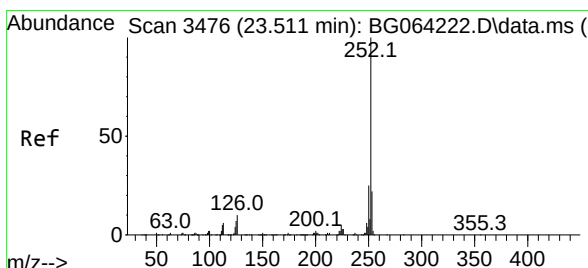
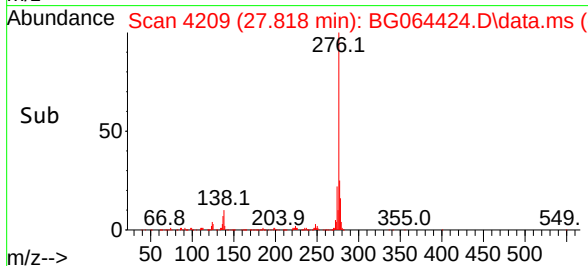
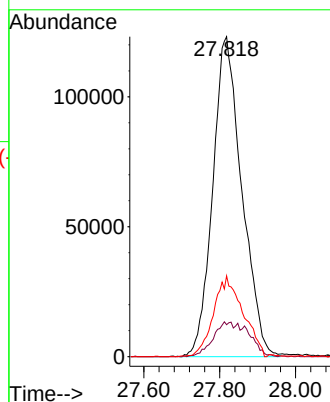
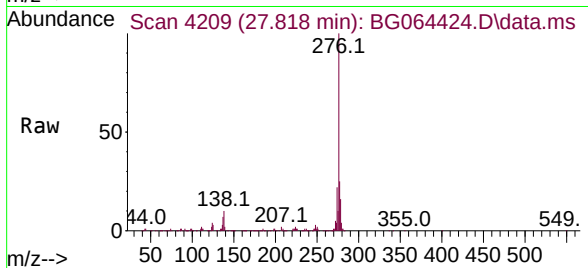
Ion	Ratio	Lower	Upper
276	100		
138	9.8	7.4	11.0
277	25.5	20.5	30.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/23/2025

Supervised By :Jagrut Upadhyay 09/23/2025



#88

Benzo(b)fluoranthene

Concen: 58.476 ng

RT: 23.488 min Scan# 3472

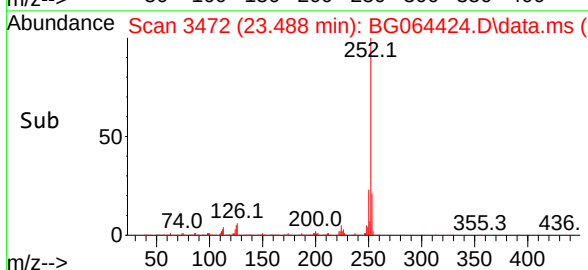
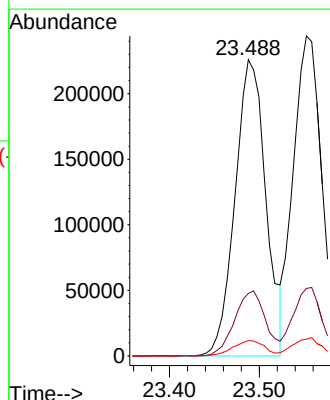
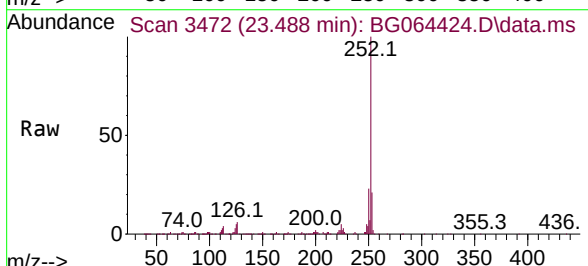
Delta R.T. -0.029 min

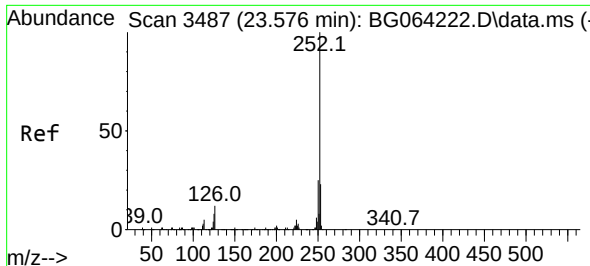
Lab File: BG064424.D

Acq: 22 Sep 2025 21:02

Tgt Ion:252 Resp: 540387

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.5	26.3
125	5.2	5.9	8.9





#89
Benzo(k)fluoranthene
Concen: 56.249 ng
RT: 23.552 min Scan# 3487
Delta R.T. -0.035 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

Instrument :

BNA_G

ClientSampleId :

VNJ-238MSD

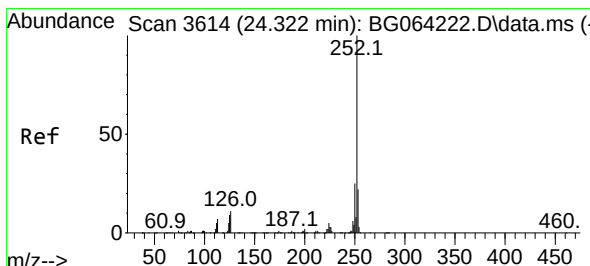
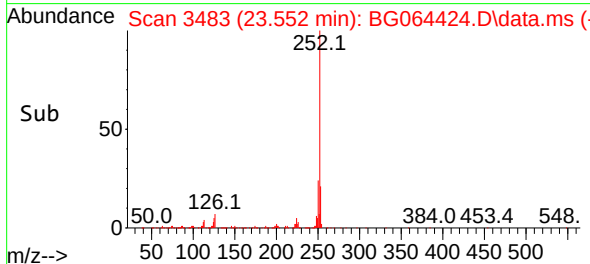
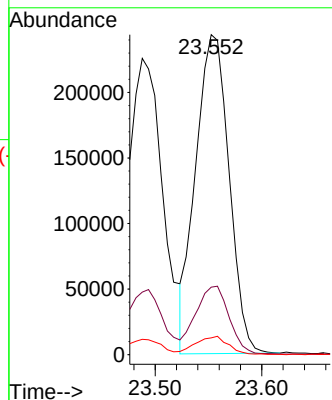
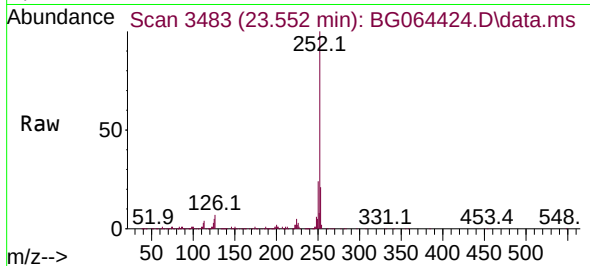
Tgt Ion:252 Resp: 529566
Ion Ratio Lower Upper
252 100
253 21.1 18.2 27.4
125 5.2 7.0 10.4

Manual Integrations

APPROVED

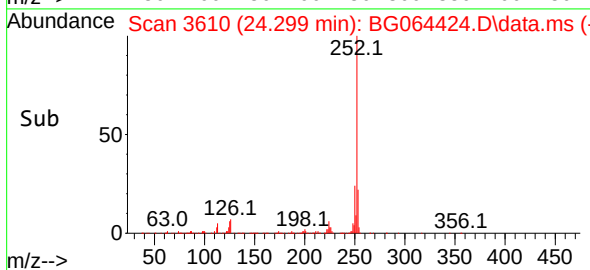
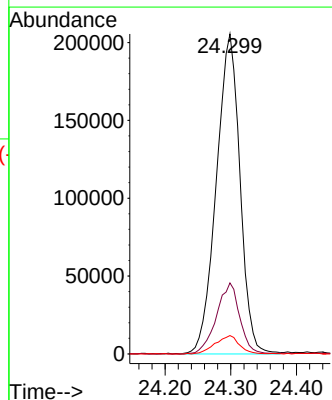
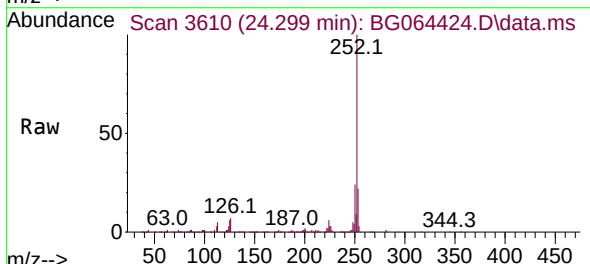
Reviewed By :Rahul Chavli 09/23/2025

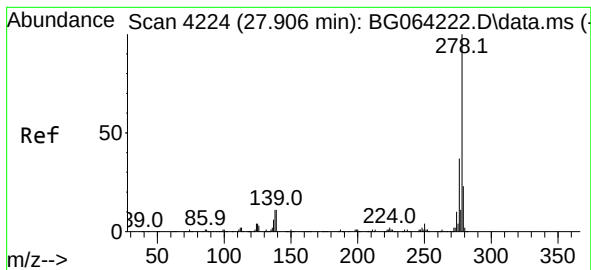
Supervised By :Jagrut Upadhyay 09/23/2025



#90
Benzo(a)pyrene
Concen: 59.908 ng
RT: 24.299 min Scan# 3610
Delta R.T. -0.029 min
Lab File: BG064424.D
Acq: 22 Sep 2025 21:02

Tgt Ion:252 Resp: 514992
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.2
125 5.7 7.0 10.6





#91

Dibenzo(a,h)anthracene

Concen: 59.028 ng

RT: 27.871 min Scan# 41

Delta R.T. -0.053 min

Lab File: BG064424.D

Acq: 22 Sep 2025 21:02

Instrument :

BNA_G

ClientSampleId :

VNJ-238MSD

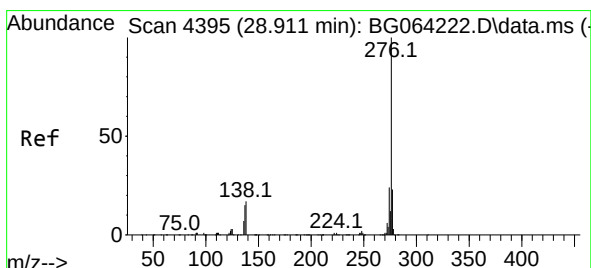
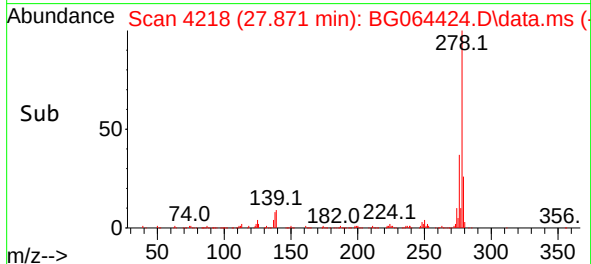
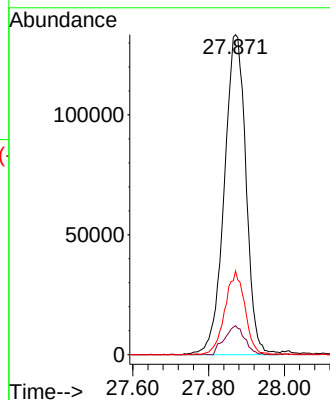
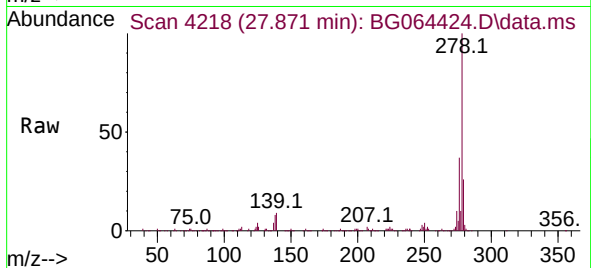
Tgt Ion:278 Resp: 529955
 Ion Ratio Lower Upper
 278 100
 139 9.0 9.0 13.4
 279 26.1 18.8 28.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/23/2025

Supervised By :Jagrut Upadhyay 09/23/2025



#92

Benzo(g,h,i)perylene

Concen: 59.893 ng

RT: 28.870 min Scan# 4388

Delta R.T. -0.065 min

Lab File: BG064424.D

Acq: 22 Sep 2025 21:02

Tgt Ion:276 Resp: 523235
 Ion Ratio Lower Upper
 276 100
 277 23.0 18.2 27.4
 138 11.0 13.3 19.9#

