

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091025\
 Data File : BG064339.D
 Acq On : 10 Sep 2025 19:29
 Operator : RC/JU
 Sample : Q3048-01MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

VNJ-258MSD

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/11/2025

Supervised By :Jagrut Upadhyay 09/11/2025

Quant Time: Sep 11 01:18:17 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	7.843	152	25150	20.000	ng	-0.02
21) Naphthalene-d8	10.634	136	100633	20.000	ng	#-0.02
39) Acenaphthene-d10	14.470	164	73291	20.000	ng	-0.01
64) Phenanthrene-d10	17.214	188	176811	20.000	ng	#-0.01
76) Chrysene-d12	21.444	240	199967	20.000	ng	#-0.01
86) Perylene-d12	24.447	264	227543	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	130533	93.117	ng	-0.01
7) Phenol-d6	7.020	99	179897	93.411	ng	-0.01
23) Nitrobenzene-d5	9.000	82	131793	73.039	ng	-0.02
42) 2,4,6-Tribromophenol	15.963	330	124783	128.540	ng	-0.01
45) 2-Fluorobiphenyl	13.095	172	320357	66.717	ng	-0.02
79) Terphenyl-d14	19.829	244	642352	67.020	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.342	88	19016	32.545	ng	93
3) Pyridine	3.730	79	49370	28.704	ng	# 58
4) n-Nitrosodimethylamine	3.654	42	49250	43.291	ng	# 88
6) Aniline	7.173	93	53178	19.968	ng	99
8) 2-Chlorophenol	7.414	128	72880	42.545	ng	94
9) Benzaldehyde	6.985	77	46968	29.635	ng	91
10) Phenol	7.044	94	90612	42.675	ng	86
11) bis(2-Chloroethyl)ether	7.267	93	55441	34.747	ng	95
12) 1,3-Dichlorobenzene	7.737	146	79284	43.506	ng	97
13) 1,4-Dichlorobenzene	7.878	146	79774	43.374	ng	96
14) 1,2-Dichlorobenzene	8.195	146	79449	44.758	ng	94
15) Benzyl Alcohol	8.084	79	75751	42.623	ng	92
16) 2,2'-oxybis(1-Chloropr...	8.372	45	105251	28.893	ng	98
17) 2-Methylphenol	8.289	107	63140	39.900	ng	93
18) Hexachloroethane	8.924	117	31536	43.926	ng	# 81
19) n-Nitroso-di-n-propyla...	8.648	70	51753	35.112	ng	93
20) 3+4-Methylphenols	8.612	107	85995	39.109	ng	98
22) Acetophenone	8.665	105	124967	49.085	ng	# 96
24) Nitrobenzene	9.041	77	87086	46.193	ng	97
25) Isophorone	9.564	82	152654	40.706	ng	98
26) 2-Nitrophenol	9.746	139	42036	51.602	ng	# 80
27) 2,4-Dimethylphenol	9.811	122	72621	50.776	ng	94
28) bis(2-Chloroethoxy)met...	10.046	93	79620	39.375	ng	# 91
29) 2,4-Dichlorophenol	10.287	162	75779	50.216	ng	96
30) 1,2,4-Trichlorobenzene	10.498	180	83705	52.607	ng	97
31) Naphthalene	10.681	128	241719	46.321	ng	97
32) Benzoic acid	9.987	122	63301	55.757	ng	93
33) 4-Chloroaniline	10.792	127	31283	15.467	ng	# 94
34) Hexachlorobutadiene	10.974	225	64898	55.178	ng	93
35) Caprolactam	11.562	113	25808m	44.168	ng	
36) 4-Chloro-3-methylphenol	11.920	107	92934	47.465	ng	96
37) 2-Methylnaphthalene	12.291	142	165409	42.644	ng	96
38) 1-Methylnaphthalene	12.514	142	170338	44.460	ng	96
40) 1,2,4,5-Tetrachloroben...	12.661	216	119457	56.490	ng	97
41) Hexachlorocyclopentadiene	12.643	237	104107	103.585	ng	92
43) 2,4,6-Trichlorophenol	12.902	196	71591	50.651	ng	98

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

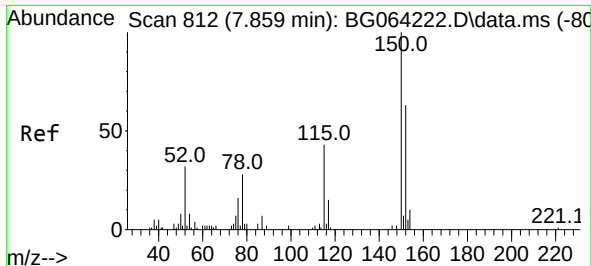
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Response via : Initial Calibration

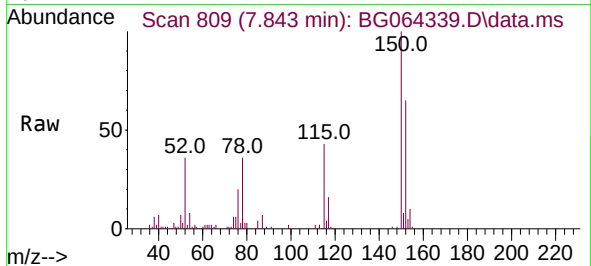
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.978	196	82268	53.657	ng	94
46) 1,1'-Biphenyl	13.307	154	273361	51.209	ng	99
47) 2-Chloronaphthalene	13.348	162	182234	45.409	ng	95
48) 2-Nitroaniline	13.548	65	68085	49.776	ng	99
49) Acenaphthylene	14.194	152	324673	54.729	ng	99
50) Dimethylphthalate	13.930	163	238173	42.933	ng	98
51) 2,6-Dinitrotoluene	14.047	165	54486	50.733	ng	95
52) Acenaphthene	14.535	154	188918	45.125	ng	98
53) 3-Nitroaniline	14.370	138	32976	29.313	ng	98
54) 2,4-Dinitrophenol	14.582	184	74700	104.590	ng	# 76
55) Dibenzofuran	14.870	168	309010	46.926	ng	99
56) 4-Nitrophenol	14.694	139	94162	102.038	ng	# 84
57) 2,4-Dinitrotoluene	14.835	165	82830	51.009	ng	99
58) Fluorene	15.522	166	259978	48.168	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.099	232	83052	56.319	ng	97
60) Diethylphthalate	15.299	149	258905	43.608	ng	98
61) 4-Chlorophenyl-phenyle...	15.516	204	128967	47.925	ng	96
62) 4-Nitroaniline	15.540	138	55455	48.309	ng	# 86
63) Azobenzene	15.810	77	249707	47.189	ng	92
65) 4,6-Dinitro-2-methylph...	15.598	198	57560	56.702	ng	96
66) n-Nitrosodiphenylamine	15.728	169	223773	46.007	ng	98
67) 4-Bromophenyl-phenylether	16.409	248	91557	48.754	ng	94
68) Hexachlorobenzene	16.521	284	104627	50.170	ng	94
69) Atrazine	16.679	200	100789	49.628	ng	98
70) Pentachlorophenol	16.867	266	174643	138.113	ng	94
71) Phenanthrene	17.255	178	469925	50.391	ng	98
72) Anthracene	17.343	178	473685	49.934	ng	99
73) Carbazole	17.614	167	397560	47.574	ng	97
74) Di-n-butylphthalate	18.178	149	462477	46.064	ng	# 98
75) Fluoranthene	19.265	202	795501	72.548	ng	97
77) Benzidine	19.447	184	136905	32.545	ng	99
78) Pyrene	19.629	202	869007	68.979	ng	99
80) Butylbenzylphthalate	20.522	149	215872	45.430	ng	96
81) Benzo(a)anthracene	21.427	228	843302	65.919	ng	98
82) 3,3'-Dichlorobenzidine	21.345	252	76535	18.370	ng	99
83) Chrysene	21.491	228	794225	64.667	ng	99
84) Bis(2-ethylhexyl)phtha...	21.350	149	331590	46.480	ng	100
85) Di-n-octyl phthalate	22.484	149	551005	44.327	ng	# 97
87) Indeno(1,2,3-cd)pyrene	27.849	276	880822	56.684	ng	# 95
88) Benzo(b)fluoranthene	23.507	252	913940	71.167	ng	# 98
89) Benzo(k)fluoranthene	23.571	252	755138	57.718	ng	# 95
90) Benzo(a)pyrene	24.318	252	826507m	69.186	ng	
91) Dibenzo(a,h)anthracene	27.896	278	633899	50.807	ng	# 98
92) Benzo(g,h,i)perylene	28.912	276	731962	60.291	ng	# 94

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



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.843 min Scan# 80
 Delta R.T. -0.016 min
 Lab File: BG064339.D
 Acq: 10 Sep 2025 19:29

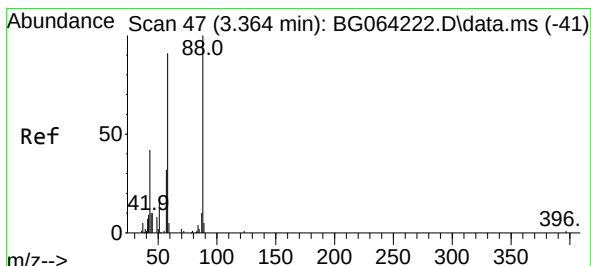
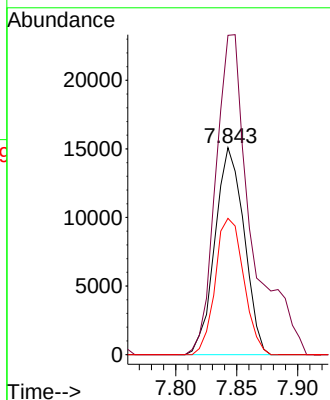
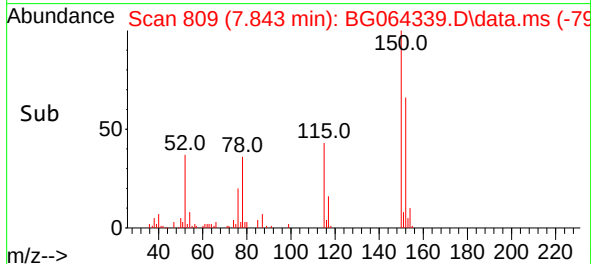
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-258MSD



Tgt Ion:152 Resp: 25150
 Ion Ratio Lower Upper
 152 100
 150 154.3 128.0 192.0
 115 65.9 55.7 83.5

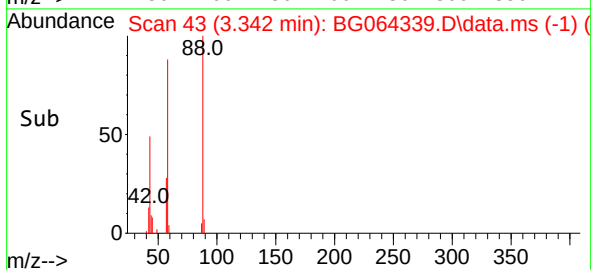
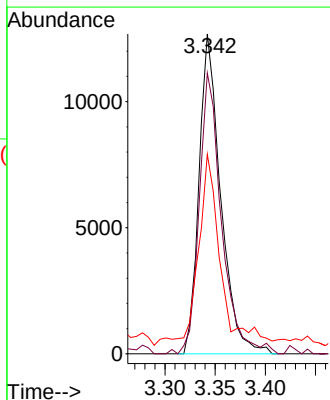
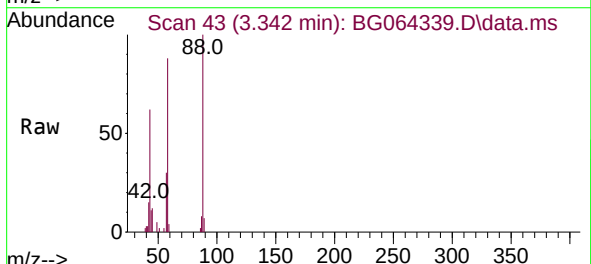
Manual Integrations
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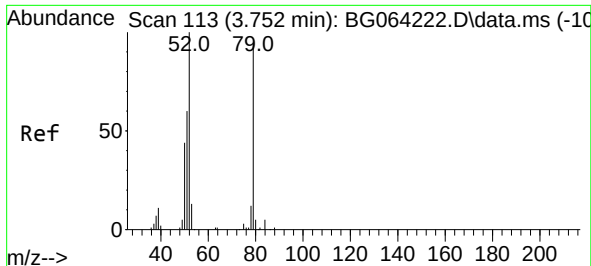
Reviewed By :Rahul Chavli 09/11/2025
 Supervised By :Jagrut Upadhyay 09/11/2025



#2
 1,4-Dioxane
 Concen: 32.545 ng
 RT: 3.342 min Scan# 43
 Delta R.T. -0.016 min
 Lab File: BG064339.D
 Acq: 10 Sep 2025 19:29

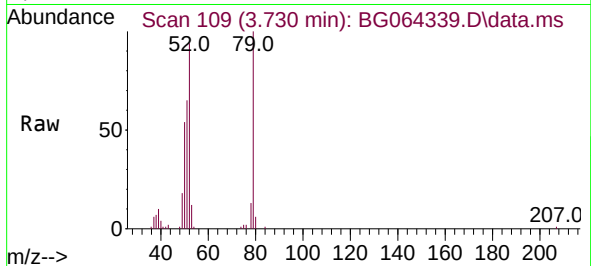
Tgt Ion: 88 Resp: 19016
 Ion Ratio Lower Upper
 88 100
 58 90.9 80.8 121.2
 43 49.5 40.3 60.5





#3
Pyridine
Concen: 28.704 ng
RT: 3.730 min Scan# 10
Delta R.T. -0.022 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

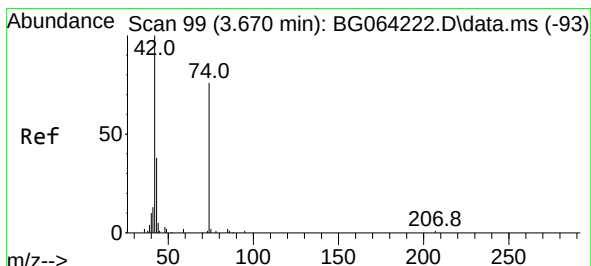
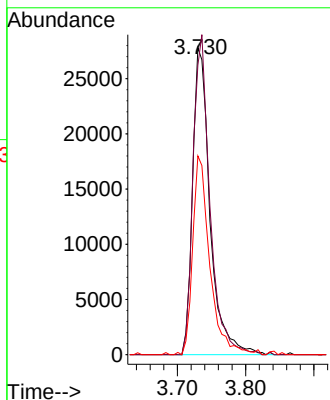
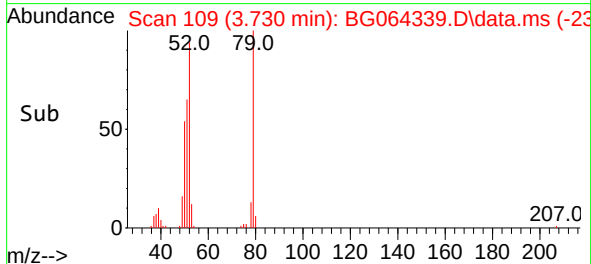
Instrument :
BNA_G
ClientSampleId :
VNJ-258MSD



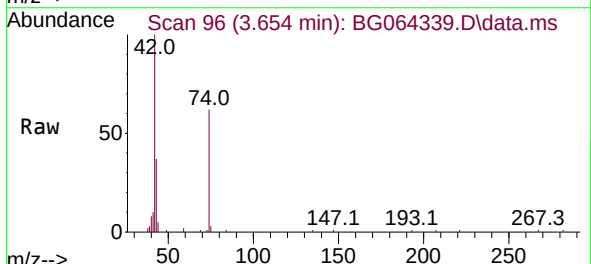
Tgt Ion: 79 Resp: 49370
Ion Ratio Lower Upper
79 100
52 94.4 86.6 129.8
51 64.7 114.1 171.1

Manual Integrations
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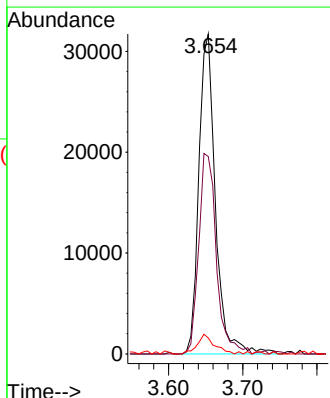
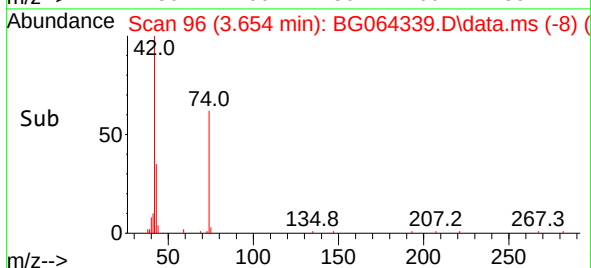
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Supervised By :Jagrut Upadhyay 09/11/2025

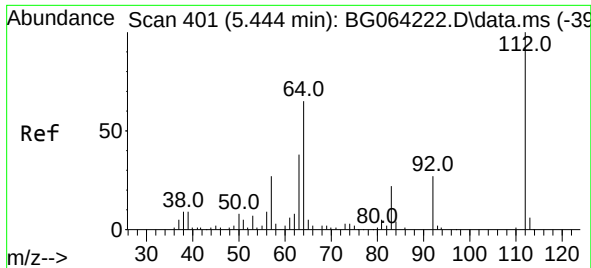


#4
n-Nitrosodimethylamine
Concen: 43.291 ng
RT: 3.654 min Scan# 96
Delta R.T. -0.010 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29



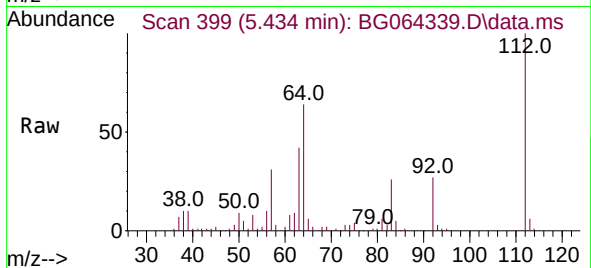
Tgt Ion: 42 Resp: 49250
Ion Ratio Lower Upper
42 100
74 61.7 58.0 87.0
44 5.0 5.5 8.3





#5
2-Fluorophenol
Concen: 93.117 ng
RT: 5.434 min Scan# 399
Delta R.T. -0.010 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

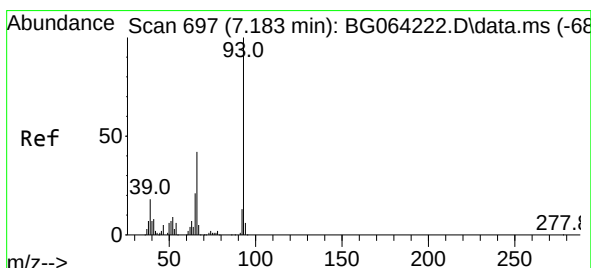
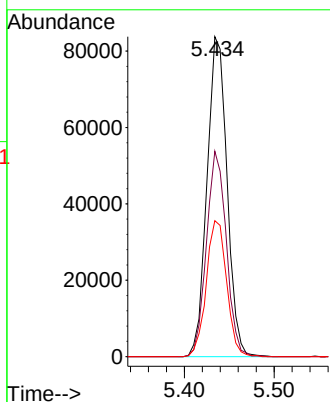
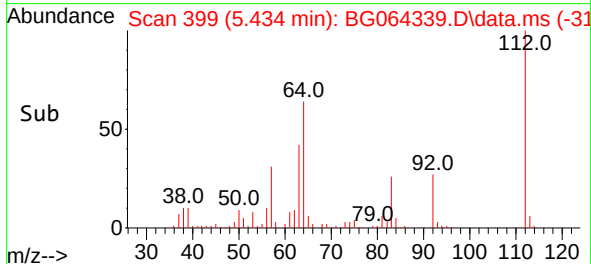
Instrument :
BNA_G
ClientSampleId :
VNJ-258MSD



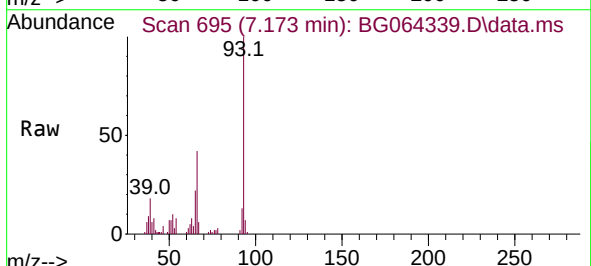
Tgt Ion:112 Resp: 130533
Ion Ratio Lower Upper
112 100
64 64.2 51.8 77.6
63 42.5 30.6 45.8

Manual Integrations
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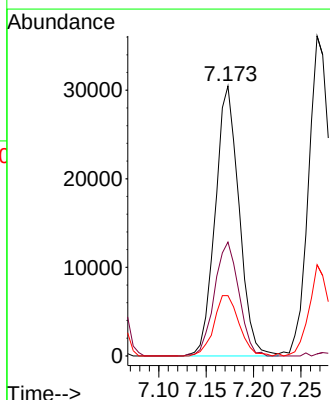
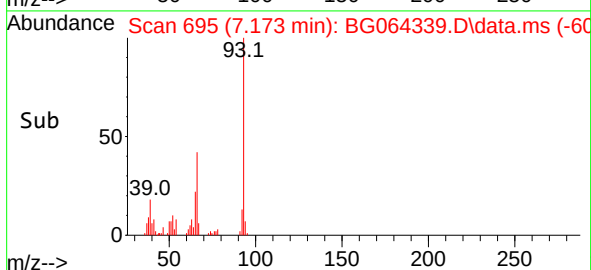
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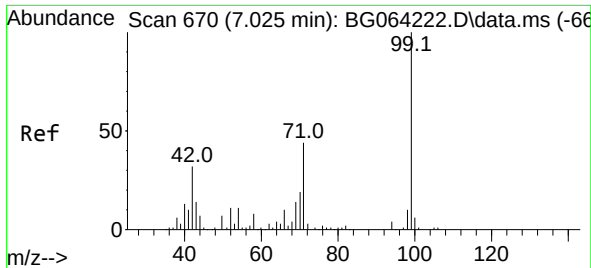


#6
Aniline
Concen: 19.968 ng
RT: 7.173 min Scan# 695
Delta R.T. -0.016 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29



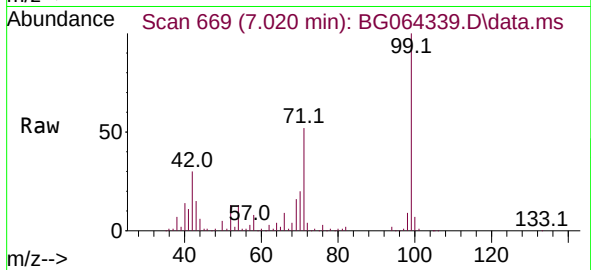
Tgt Ion: 93 Resp: 53178
Ion Ratio Lower Upper
93 100
66 42.2 33.8 50.8
65 22.3 16.9 25.3





#7
Phenol-d6
Concen: 93.411 ng
RT: 7.020 min Scan# 60
Delta R.T. -0.010 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

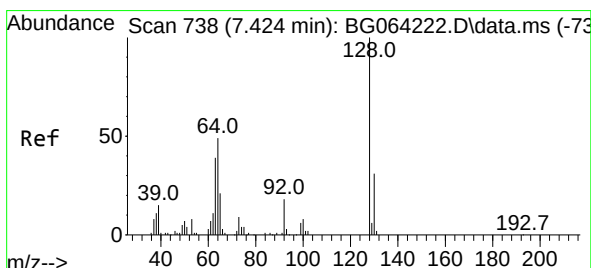
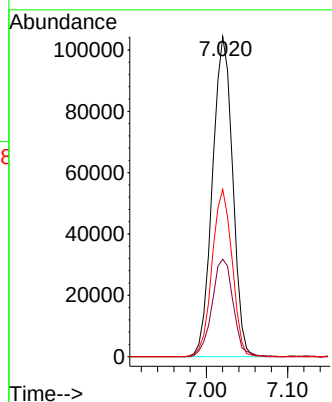
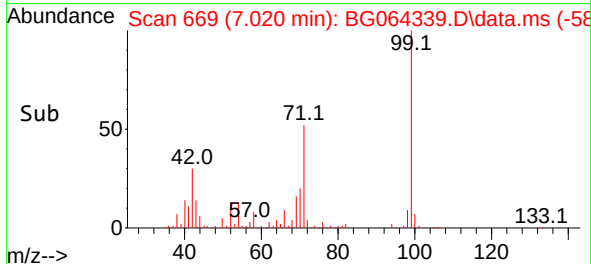
Instrument :
BNA_G
ClientSampleId :
VNJ-258MSD



Tgt Ion: 99 Resp: 17989
Ion Ratio Lower Upper
99 100
42 30.4 25.8 38.8
71 52.2 35.2 52.8

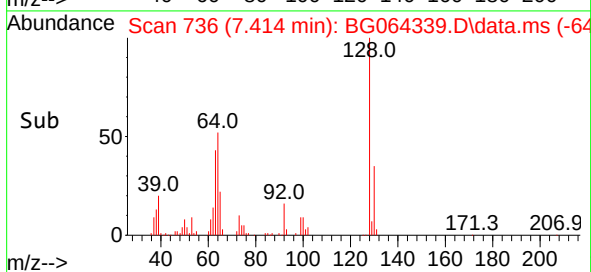
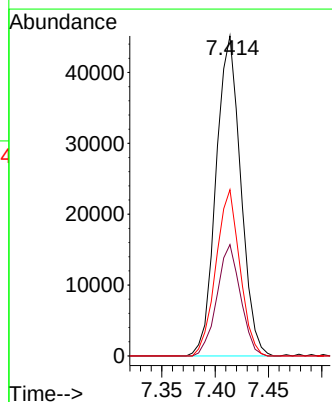
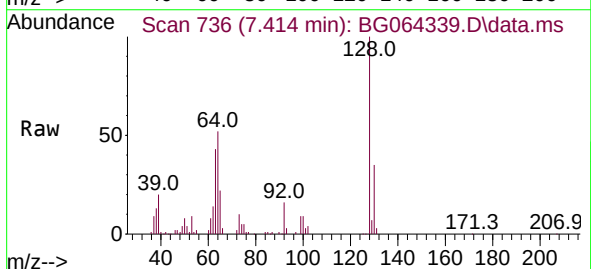
Manual Integrations
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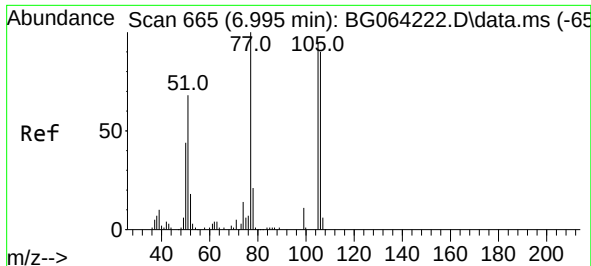
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025



#8
2-Chlorophenol
Concen: 42.545 ng
RT: 7.414 min Scan# 736
Delta R.T. -0.010 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

Tgt Ion:128 Resp: 72880
Ion Ratio Lower Upper
128 100
130 34.8 10.9 50.9
64 51.9 28.7 68.7





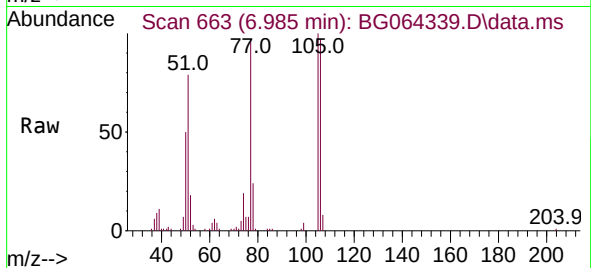
#9
Benzaldehyde
Concen: 29.635 ng
RT: 6.985 min Scan# 60
Delta R.T. -0.010 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

Instrument :

BNA_G

ClientSampleId :

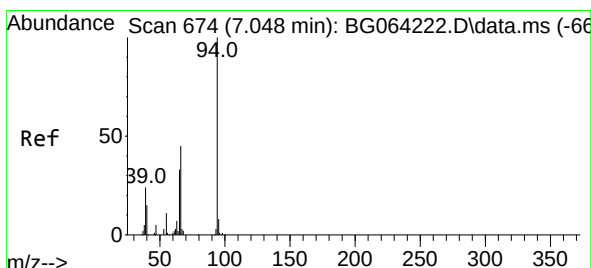
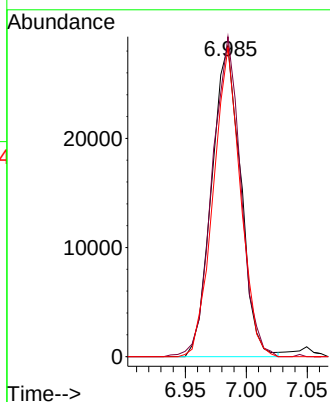
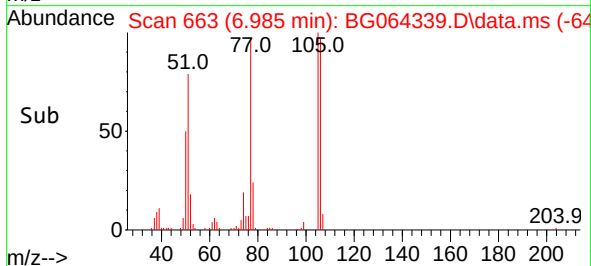
VNJ-258MSD



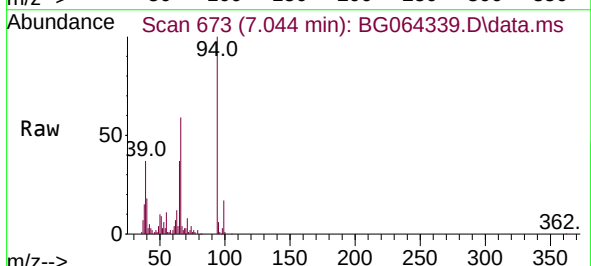
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Ion Ratio Lower Upper
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105 102.9 75.2 115.2
106 99.4 69.6 109.6

Manual Integrations
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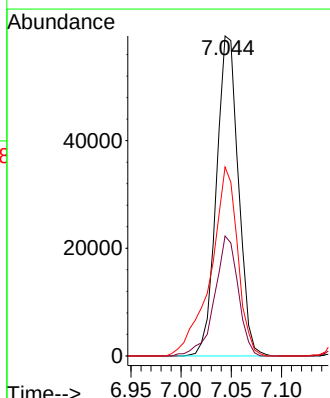
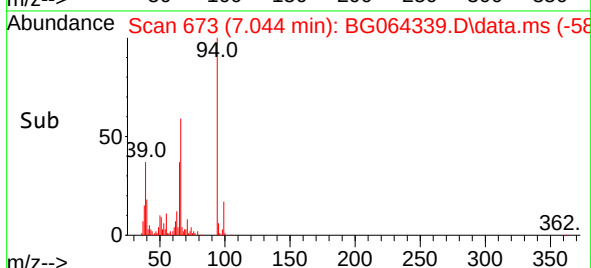
Reviewed By :Rahul Chavli 09/11/2025
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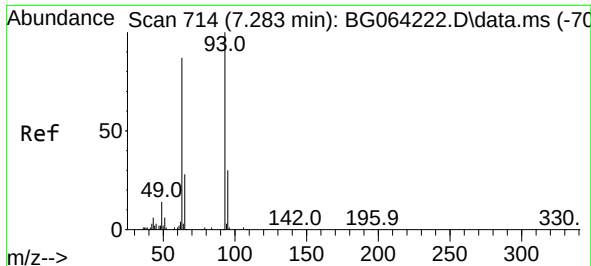


#10
Phenol
Concen: 42.675 ng
RT: 7.044 min Scan# 673
Delta R.T. -0.010 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29



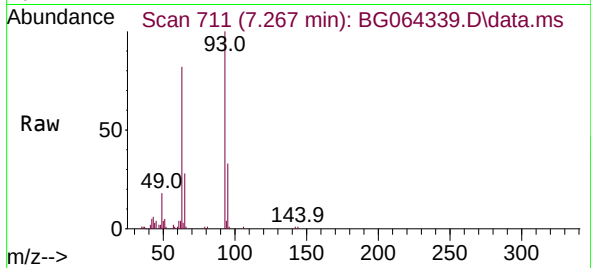
Tgt Ion: 94 Resp: 90612
Ion Ratio Lower Upper
94 100
65 37.5 13.5 53.5
66 59.0 26.2 66.2





#11
bis(2-Chloroethyl)ether
Concen: 34.747 ng
RT: 7.267 min Scan# 714
Delta R.T. -0.016 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

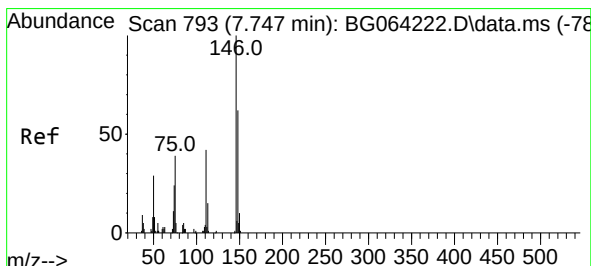
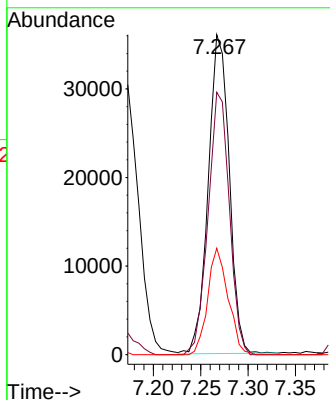
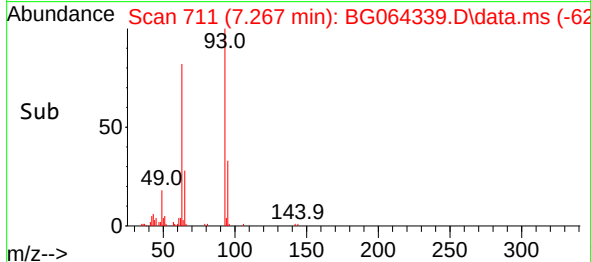
Instrument :
BNA_G
ClientSampleId :
VNJ-258MSD



Tgt Ion: 93 Resp: 5544
Ion Ratio Lower Upper
93 100
63 82.0 66.2 106.2
95 33.2 9.8 49.8

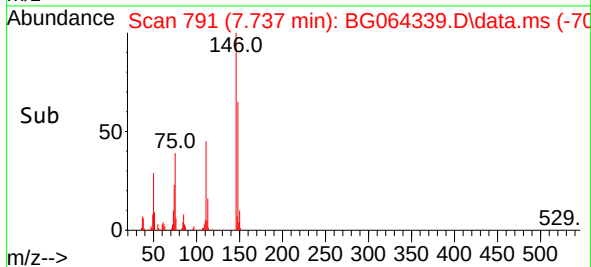
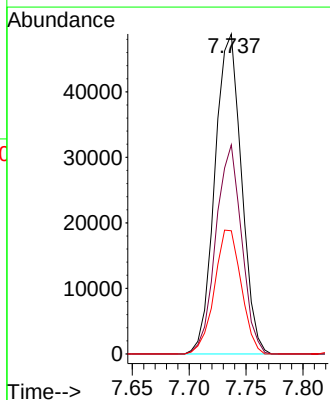
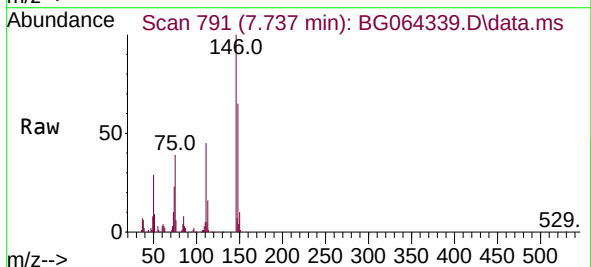
Manual Integrations
APPROVED

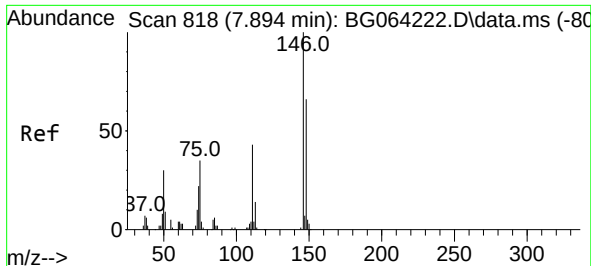
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025



#12
1,3-Dichlorobenzene
Concen: 43.506 ng
RT: 7.737 min Scan# 791
Delta R.T. -0.010 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

Tgt Ion:146 Resp: 79284
Ion Ratio Lower Upper
146 100
148 65.3 49.6 74.4
75 38.5 31.0 46.6





#13

1,4-Dichlorobenzene

Concen: 43.374 ng

RT: 7.878 min Scan# 81

Delta R.T. -0.016 min

Lab File: BG064339.D

Acq: 10 Sep 2025 19:29

Instrument :

BNA_G

ClientSampleId :

VNJ-258MSD

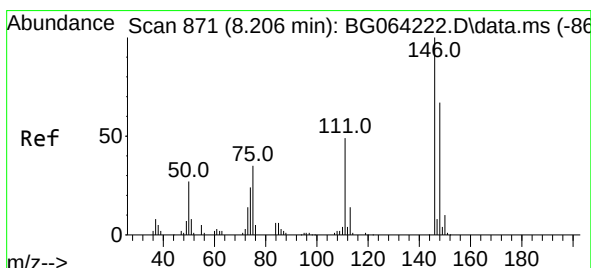
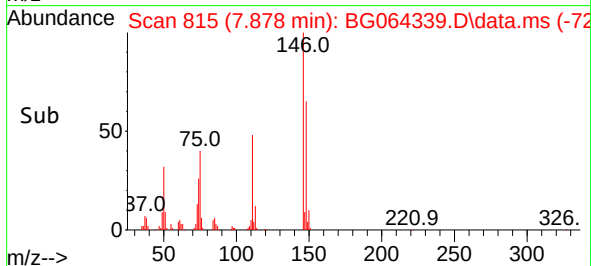
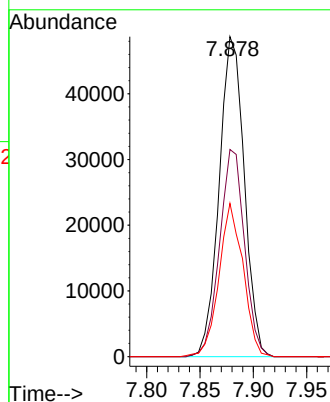
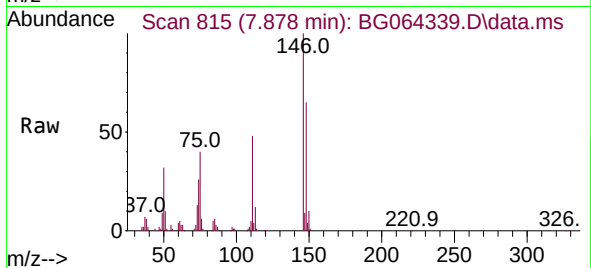
Tgt Ion:146	Resp:	79774
Ion Ratio	Lower	Upper
146	100	
148	64.7	52.8 79.2
111	47.9	34.1 51.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/11/2025

Supervised By :Jagrut Upadhyay 09/11/2025



#14

1,2-Dichlorobenzene

Concen: 44.758 ng

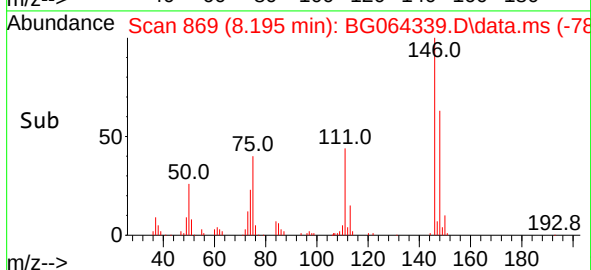
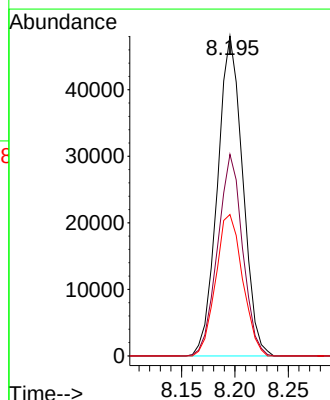
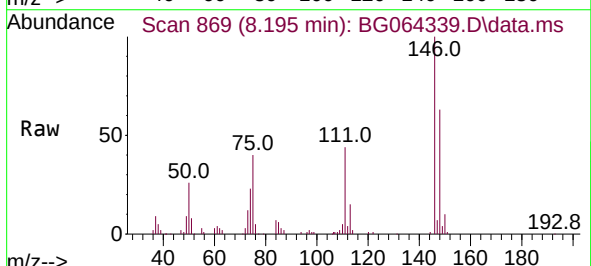
RT: 8.195 min Scan# 869

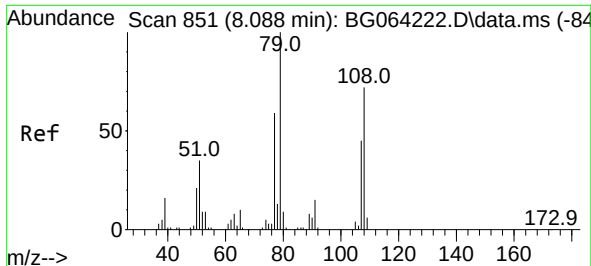
Delta R.T. -0.016 min

Lab File: BG064339.D

Acq: 10 Sep 2025 19:29

Tgt Ion:146	Resp:	79449
Ion Ratio	Lower	Upper
146	100	
148	63.0	53.4 80.0
111	44.2	39.1 58.7





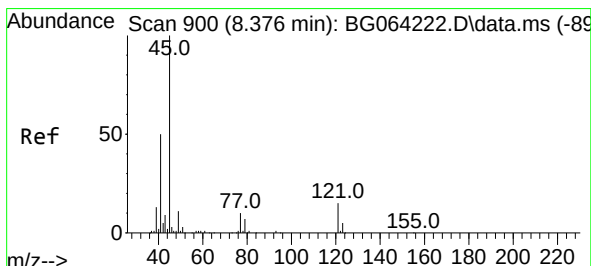
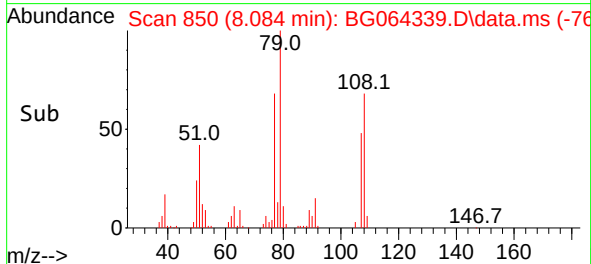
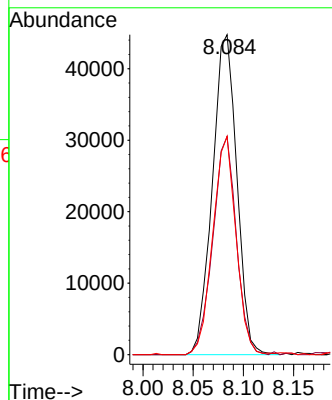
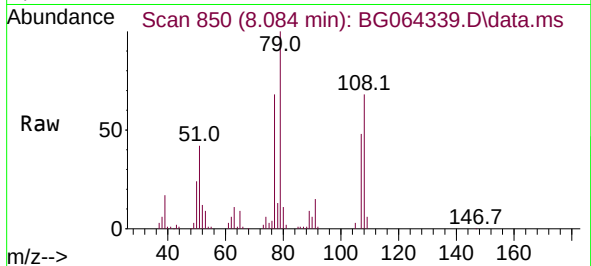
#15
Benzyl Alcohol
Concen: 42.623 ng
RT: 8.084 min Scan# 811
Delta R.T. -0.010 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

Instrument :
BNA_G
ClientSampleId :
VNJ-258MSD

Tgt Ion: 79 Resp: 7575
Ion Ratio Lower Upper
79 100
108 68.1 57.4 86.0
77 68.2 47.2 70.8

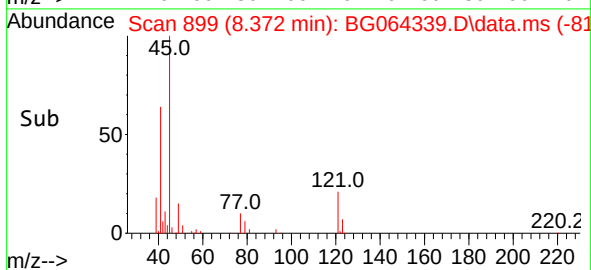
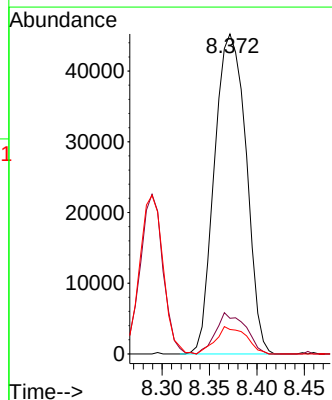
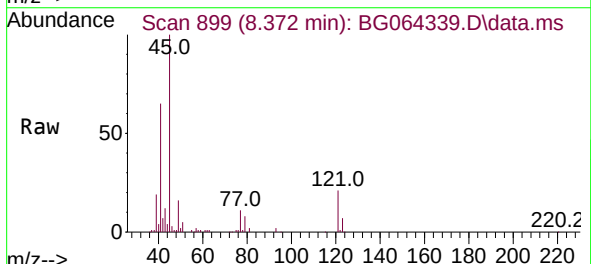
Manual Integrations
APPROVED

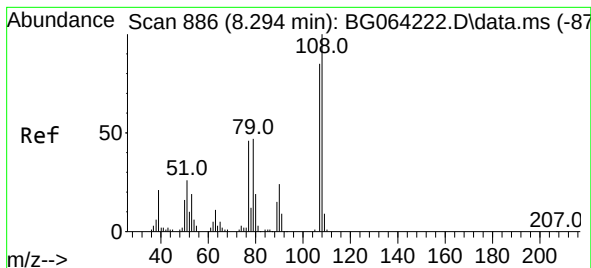
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 28.893 ng
RT: 8.372 min Scan# 899
Delta R.T. -0.005 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

Tgt Ion: 45 Resp: 105251
Ion Ratio Lower Upper
45 100
77 11.1 0.0 30.0
79 7.6 0.0 27.9





#17

2-Methylphenol

Concen: 39.900 ng

RT: 8.289 min Scan# 886

Delta R.T. -0.010 min

Lab File: BG064339.D

Acq: 10 Sep 2025 19:29

Instrument :

BNA_G

ClientSampleId :

VNJ-258MSD

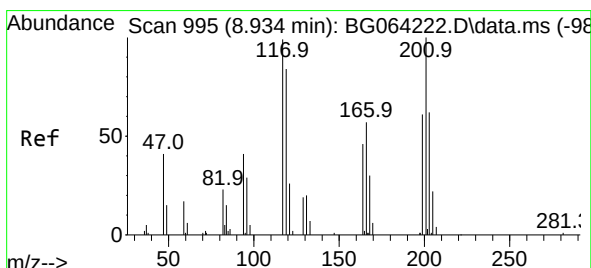
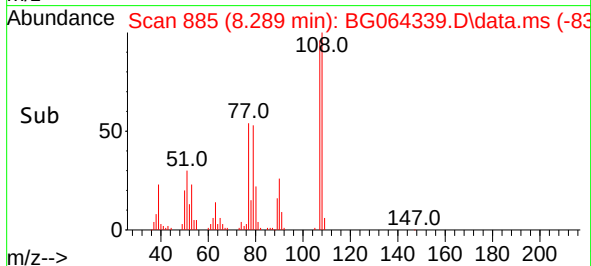
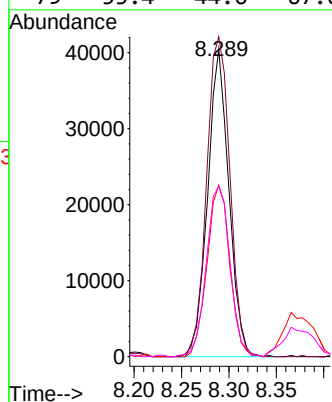
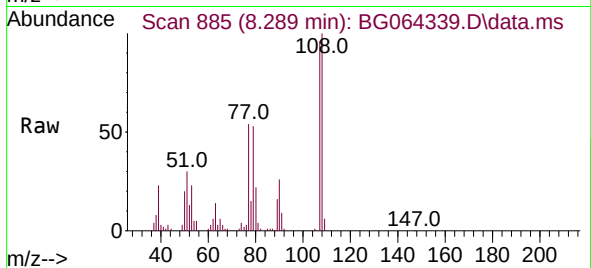
Tgt Ion:	107	Resp:	63140
Ion	Ratio	Lower	Upper
107	100		
108	104.2	94.6	141.8
77	55.8	43.7	65.5
79	55.4	44.6	67.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/11/2025

Supervised By :Jagrut Upadhyay 09/11/2025



#18

Hexachloroethane

Concen: 43.926 ng

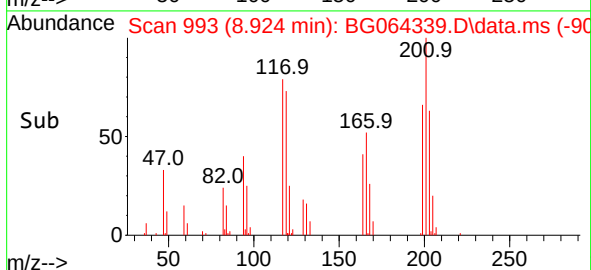
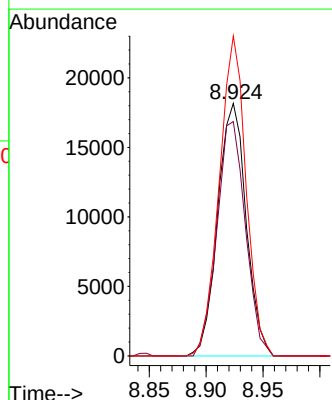
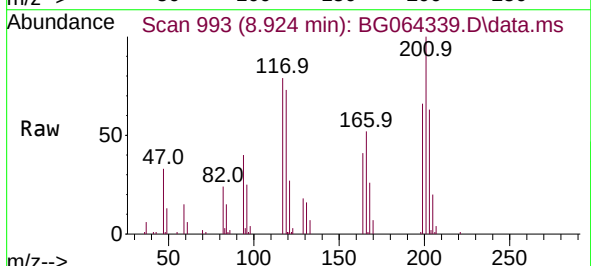
RT: 8.924 min Scan# 993

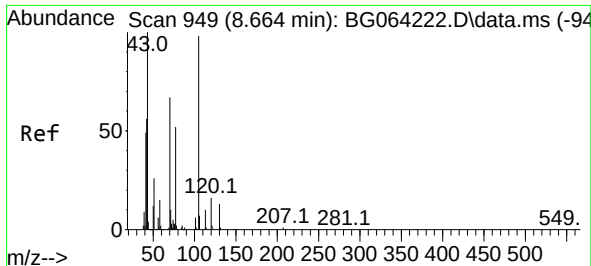
Delta R.T. -0.010 min

Lab File: BG064339.D

Acq: 10 Sep 2025 19:29

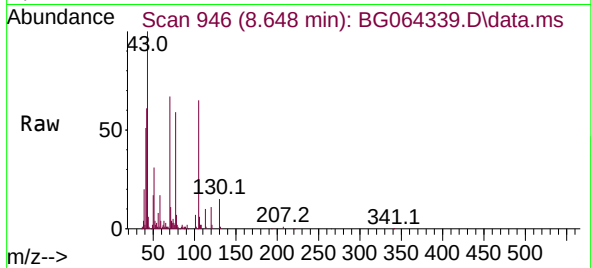
Tgt Ion:	117	Resp:	31536
Ion	Ratio	Lower	Upper
117	100		
119	94.1	67.9	101.9
201	126.7	80.5	120.7





#19
n-Nitroso-di-n-propylamine
Concen: 35.112 ng
RT: 8.648 min Scan# 94
Delta R.T. -0.016 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

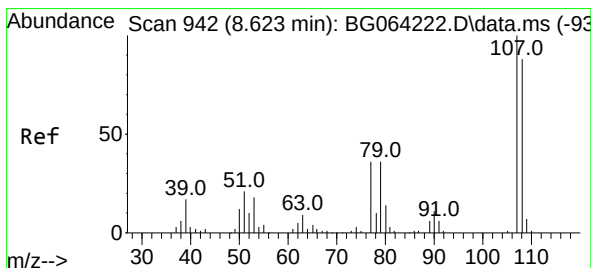
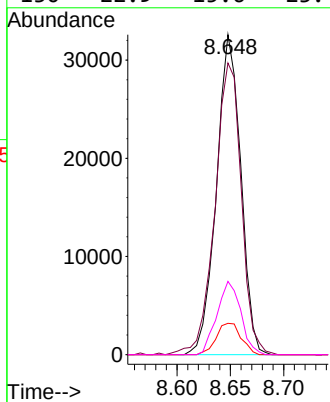
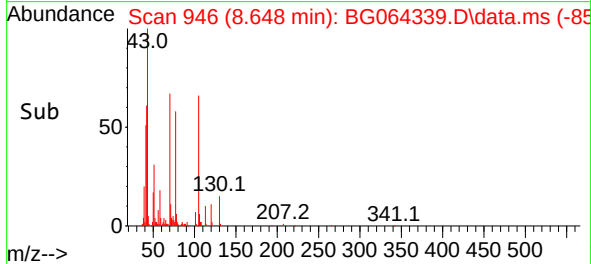
Instrument :
BNA_G
ClientSampleId :
VNJ-258MSD



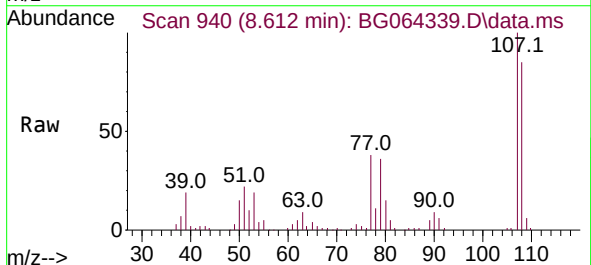
Tgt Ion: 70 Resp: 51753
Ion Ratio Lower Upper
70 100
42 91.1 67.9 101.9
101 9.8 7.3 10.9
130 22.9 15.6 23.4

Manual Integrations
APPROVED

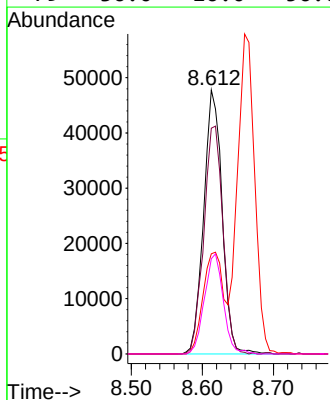
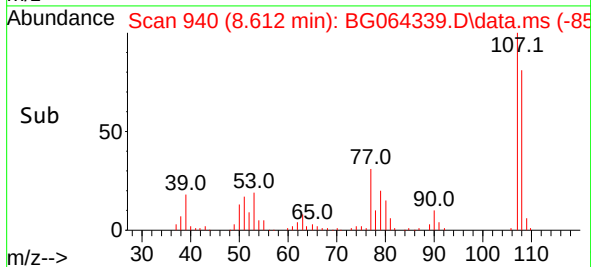
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025

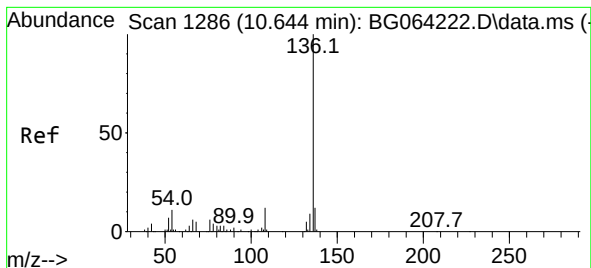


#20
3+4-Methylphenols
Concen: 39.109 ng
RT: 8.612 min Scan# 940
Delta R.T. -0.016 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29



Tgt Ion:107 Resp: 85995
Ion Ratio Lower Upper
107 100
108 85.5 68.1 108.1
77 37.9 15.9 55.9
79 36.0 16.0 56.0





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.634 min Scan# 1284
Delta R.T. -0.016 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

Instrument :

BNA_G

ClientSampleId :

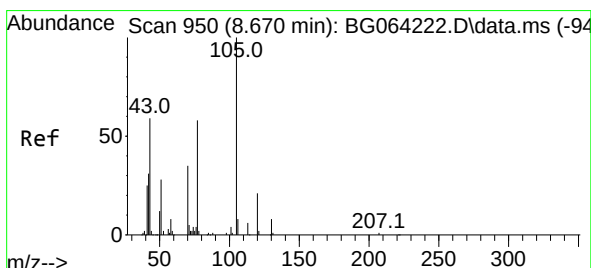
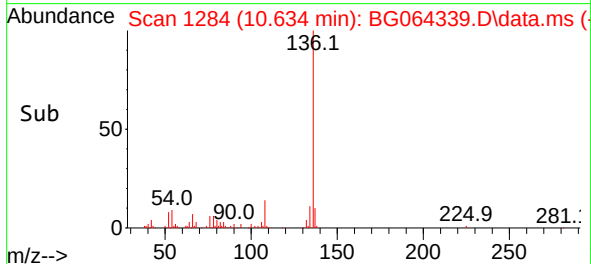
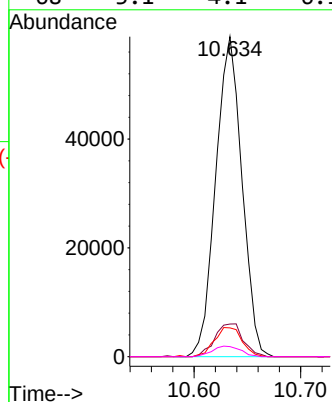
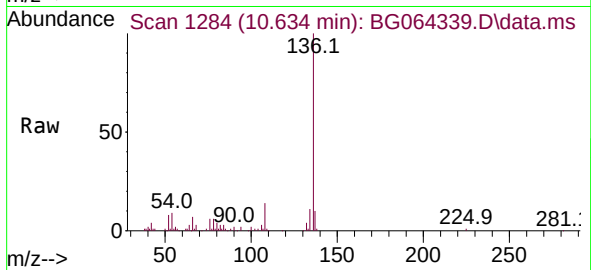
VNJ-258MSD

Tgt Ion:136 Resp: 100633
Ion Ratio Lower Upper
136 100
137 10.2 9.6 14.4
54 9.0 8.8 13.2
68 3.1 4.1 6.1#

Manual Integrations

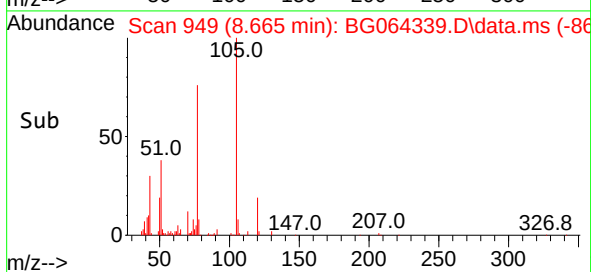
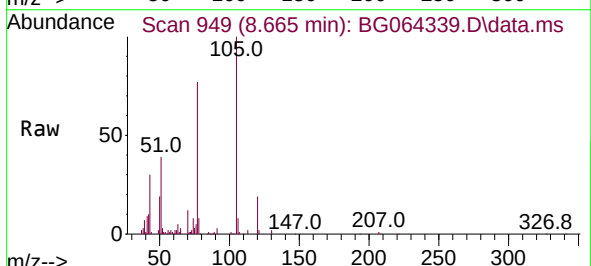
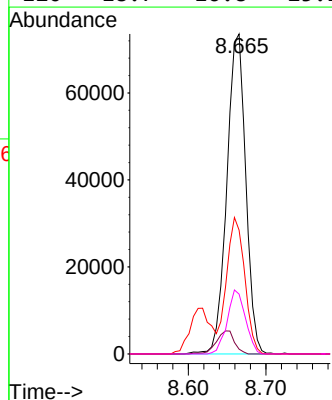
APPROVED

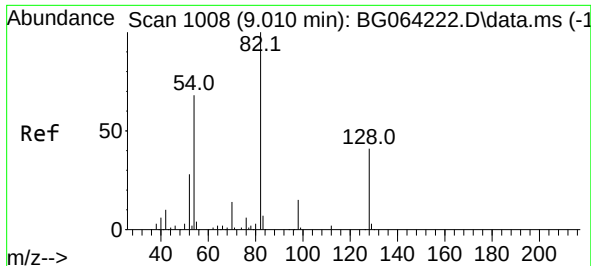
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025



#22
Acetophenone
Concen: 49.085 ng
RT: 8.665 min Scan# 949
Delta R.T. -0.010 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

Tgt Ion:105 Resp: 124967
Ion Ratio Lower Upper
105 100
71 1.5 4.3 6.5#
51 38.7 32.4 48.6
120 18.7 16.8 25.2





#23
Nitrobenzene-d5
Concen: 73.039 ng
RT: 9.000 min Scan# 1006
Delta R.T. -0.016 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

Instrument :

BNA_G

ClientSampleId :

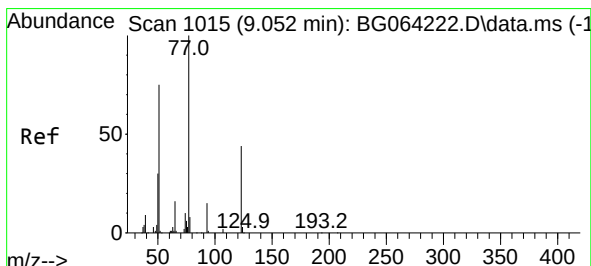
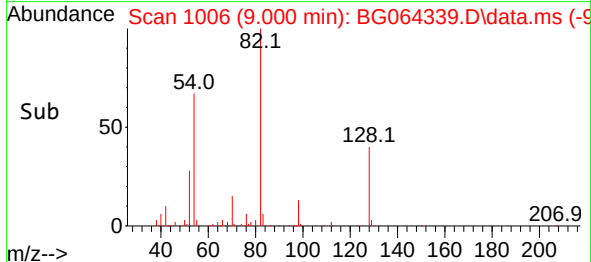
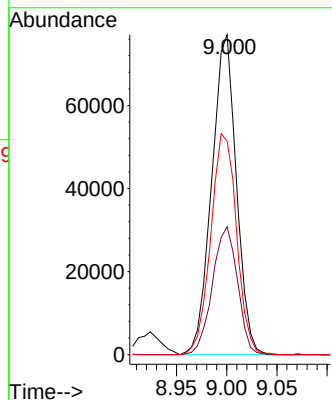
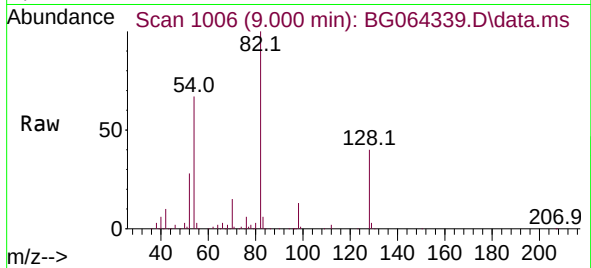
VNJ-258MSD

Tgt Ion: 82 Resp: 131793
Ion Ratio Lower Upper
82 100
128 40.0 32.6 48.8
54 66.7 54.7 82.1

Manual Integrations

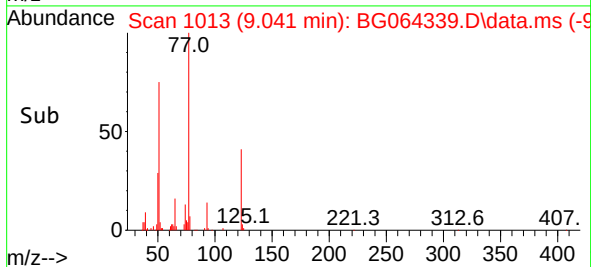
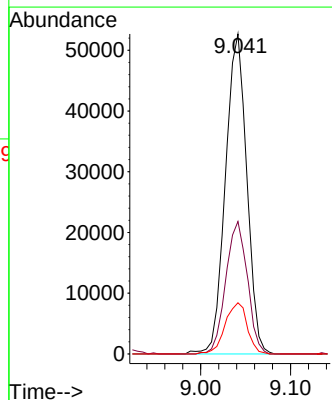
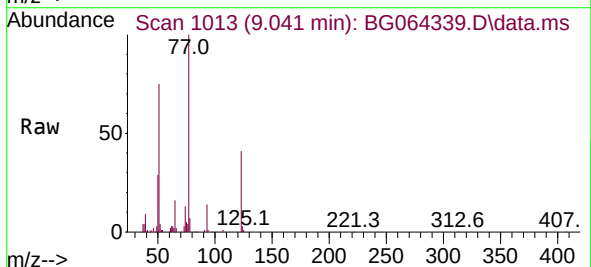
APPROVED

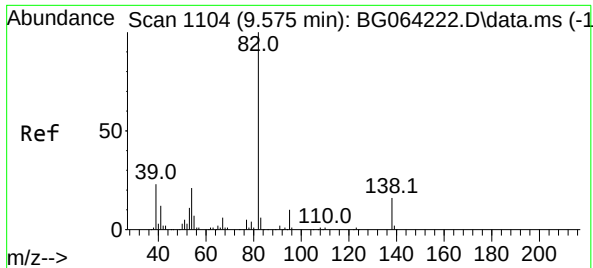
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025



#24
Nitrobenzene
Concen: 46.193 ng
RT: 9.041 min Scan# 1013
Delta R.T. -0.016 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

Tgt Ion: 77 Resp: 87086
Ion Ratio Lower Upper
77 100
123 41.4 35.2 52.8
65 16.0 12.6 19.0





#25
Isophorone
Concen: 40.706 ng
RT: 9.564 min Scan# 1104
Delta R.T. -0.022 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

Instrument :

BNA_G

ClientSampleId :

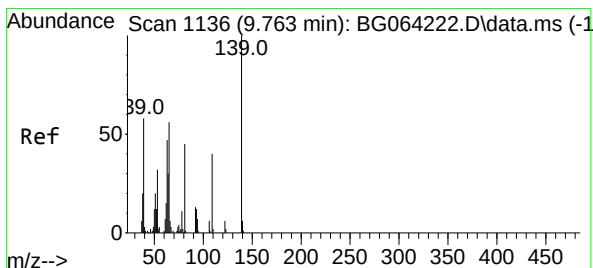
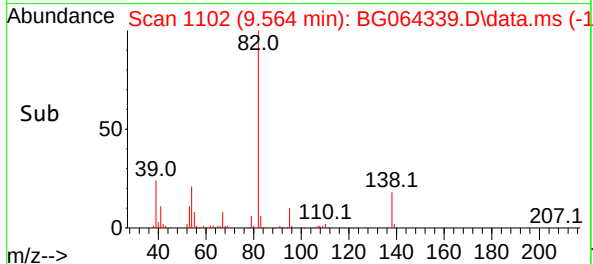
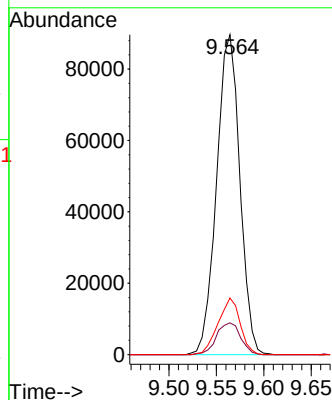
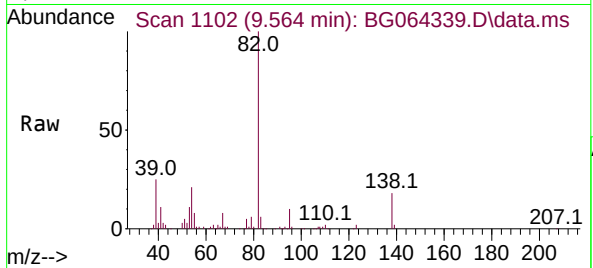
VNJ-258MSD

Tgt Ion: 82 Resp: 152654
Ion Ratio Lower Upper
82 100
95 9.9 7.9 11.9
138 17.7 13.0 19.4

Manual Integrations

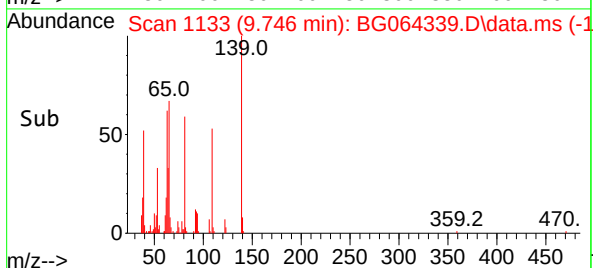
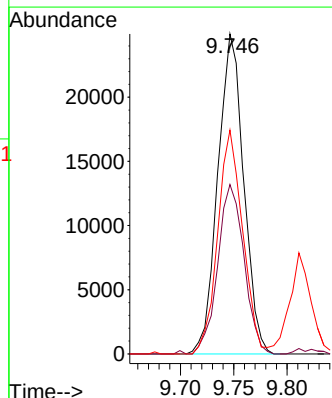
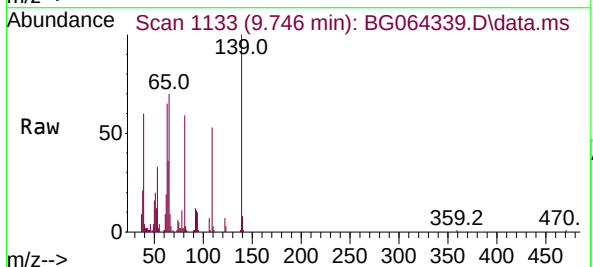
APPROVED

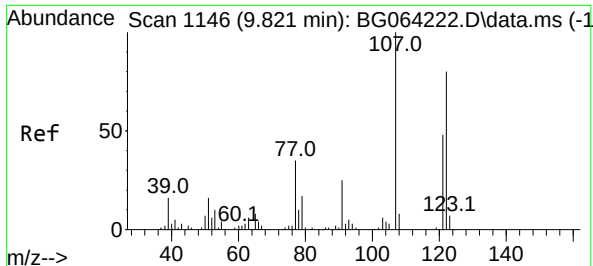
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025



#26
2-Nitrophenol
Concen: 51.602 ng
RT: 9.746 min Scan# 1133
Delta R.T. -0.016 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

Tgt Ion:139 Resp: 42036
Ion Ratio Lower Upper
139 100
109 52.9 32.4 48.6#
65 69.9 44.6 67.0#





#27
2,4-Dimethylphenol
Concen: 50.776 ng
RT: 9.811 min Scan# 1144
Delta R.T. -0.016 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

Instrument :

BNA_G

ClientSampleId :

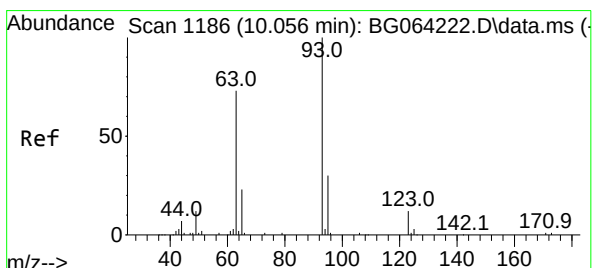
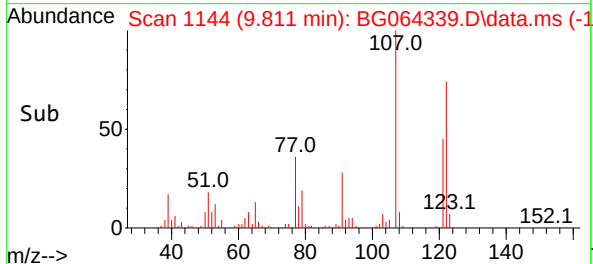
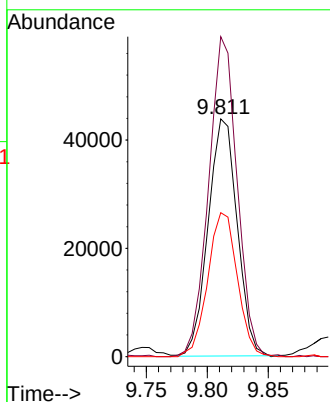
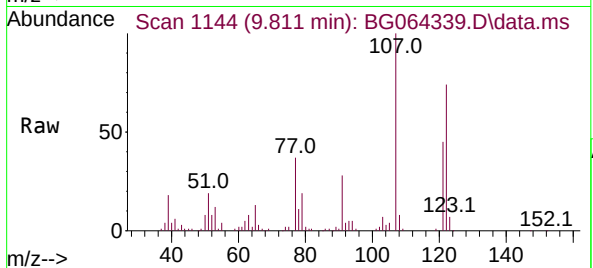
VNJ-258MSD

Tgt Ion:122 Resp: 7262
Ion Ratio Lower Upper
122 100
107 134.7 99.9 149.9
121 60.6 48.6 72.8

Manual Integrations

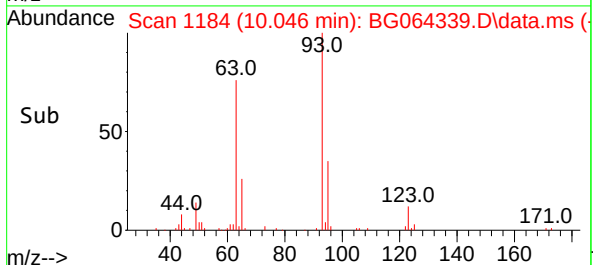
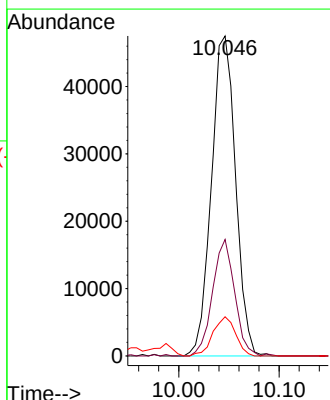
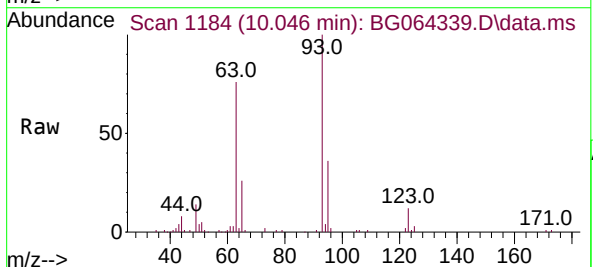
APPROVED

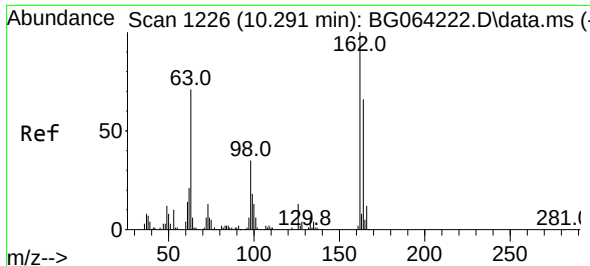
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025



#28
bis(2-Chloroethoxy)methane
Concen: 39.375 ng
RT: 10.046 min Scan# 1184
Delta R.T. -0.016 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

Tgt Ion: 93 Resp: 79620
Ion Ratio Lower Upper
93 100
95 36.4 23.9 35.9#
123 12.2 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 50.216 ng

RT: 10.287 min Scan# 1225

Delta R.T. -0.010 min

Lab File: BG064339.D

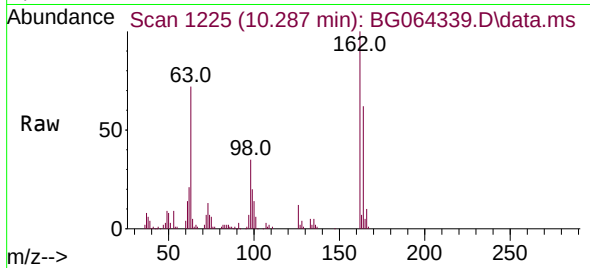
Acq: 10 Sep 2025 19:29

Instrument :

BNA_G

ClientSampleId :

VNJ-258MSD



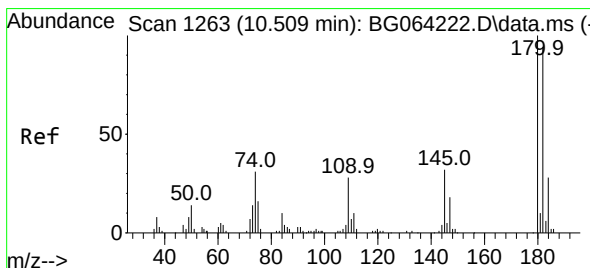
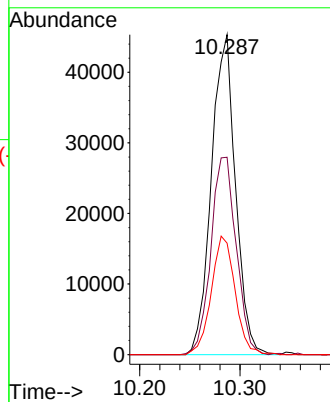
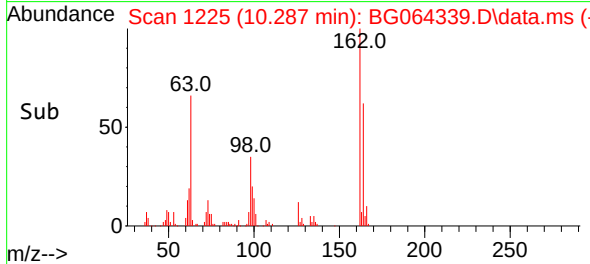
Tgt Ion:162	Resp:	75779
Ion Ratio	Lower	Upper
162	100	
164	61.7	45.8 85.8
98	34.8	15.2 55.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/11/2025

Supervised By :Jagrut Upadhyay 09/11/2025



#30

1,2,4-Trichlorobenzene

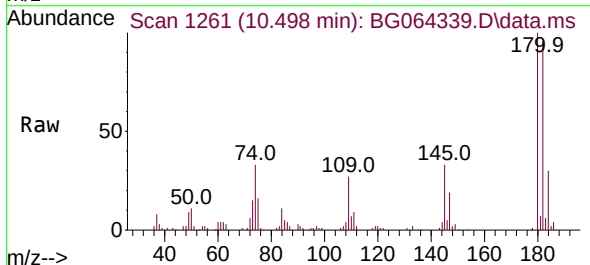
Concen: 52.607 ng

RT: 10.498 min Scan# 1261

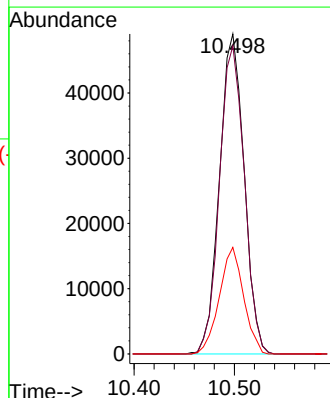
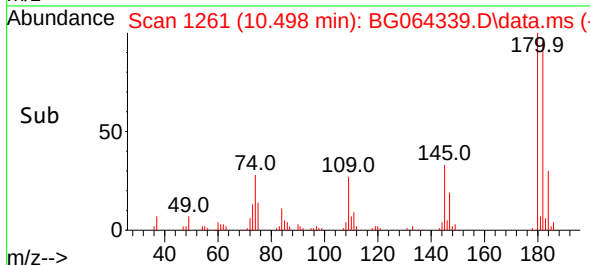
Delta R.T. -0.010 min

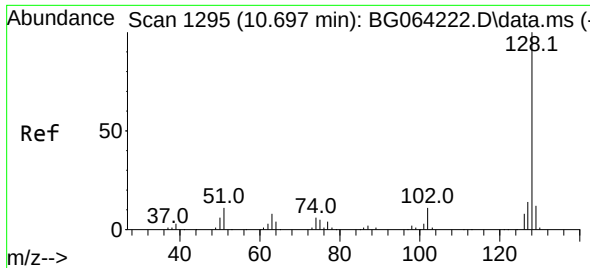
Lab File: BG064339.D

Acq: 10 Sep 2025 19:29



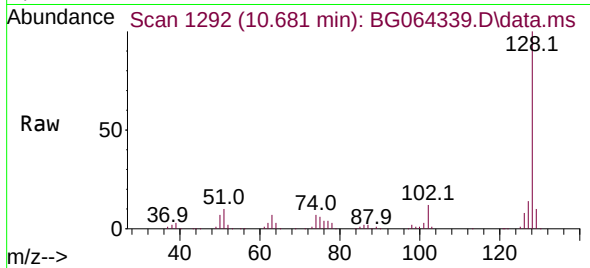
Tgt Ion:180	Resp:	83705
Ion Ratio	Lower	Upper
180	100	
182	96.2	75.0 112.6
145	33.3	25.4 38.0





#31
Naphthalene
Concen: 46.321 ng
RT: 10.681 min Scan# 1174
Delta R.T. -0.016 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

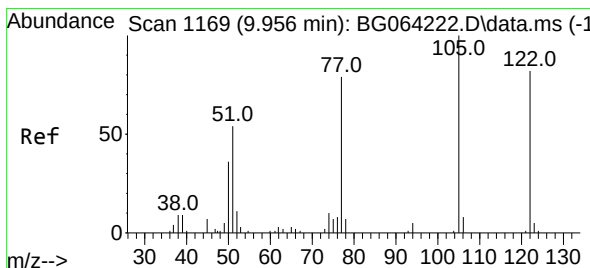
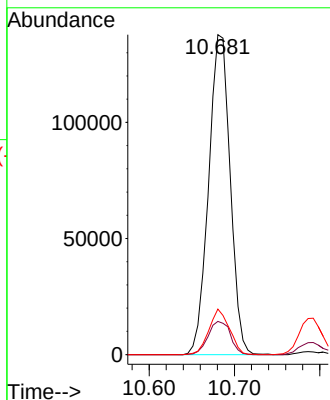
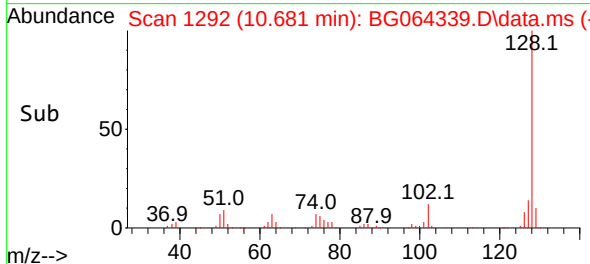
Instrument :
BNA_G
ClientSampleId :
VNJ-258MSD



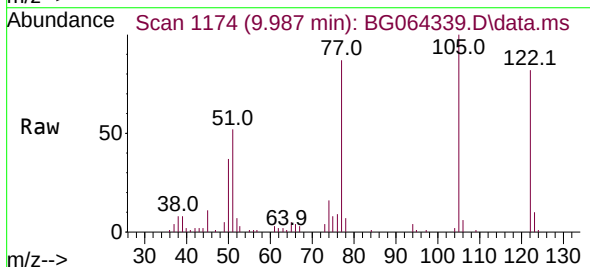
Tgt Ion:128 Resp: 241719
Ion Ratio Lower Upper
128 100
129 10.4 9.4 14.2
127 14.2 10.9 16.3

Manual Integrations
APPROVED

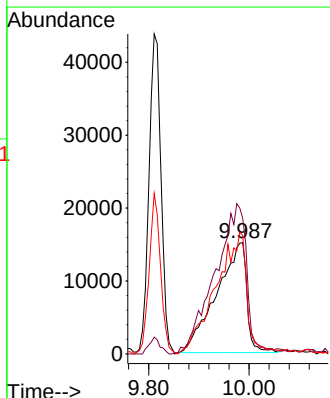
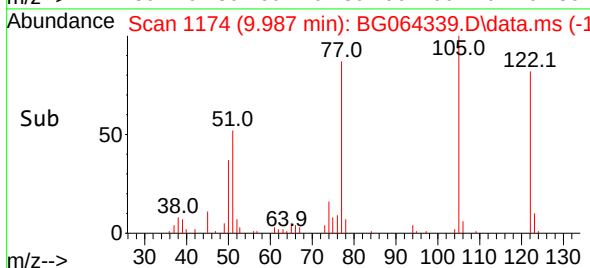
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025

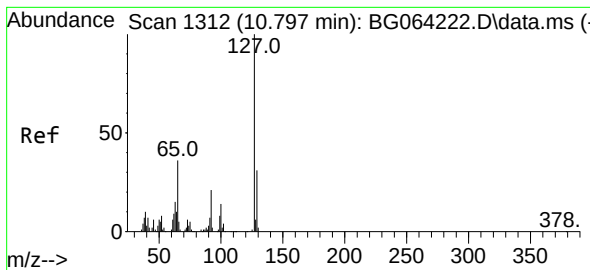


#32
Benzoic acid
Concen: 55.757 ng
RT: 9.987 min Scan# 1174
Delta R.T. -0.028 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29



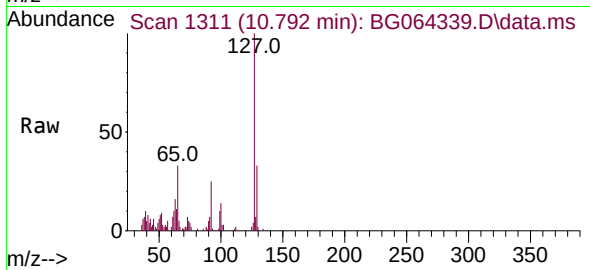
Tgt Ion:122 Resp: 63301
Ion Ratio Lower Upper
122 100
105 122.0 98.5 138.5
77 106.4 74.6 114.6





#33
4-Chloroaniline
Concen: 15.467 ng
RT: 10.792 min Scan# 1311
Delta R.T. -0.010 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

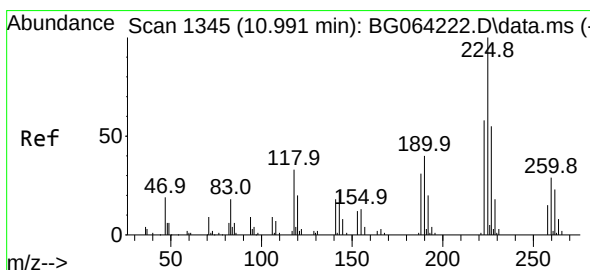
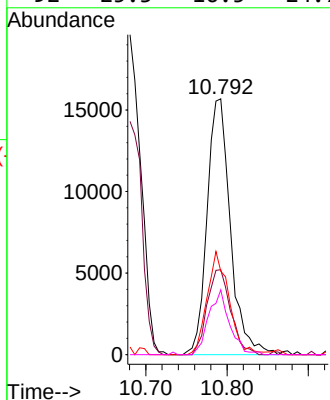
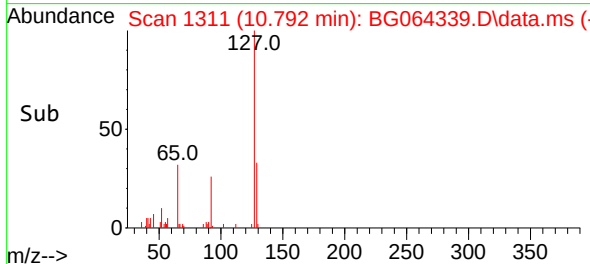
Instrument :
BNA_G
ClientSampleId :
VNJ-258MSD



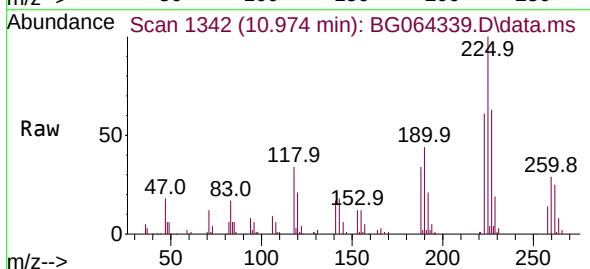
Tgt Ion:127 Resp: 31283
Ion Ratio Lower Upper
127 100
129 33.2 25.0 37.4
65 32.6 28.7 43.1
92 25.3 16.5 24.7#

Manual Integrations
APPROVED

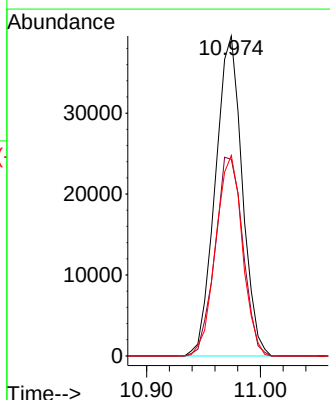
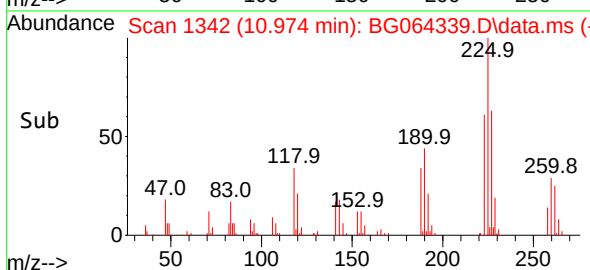
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025

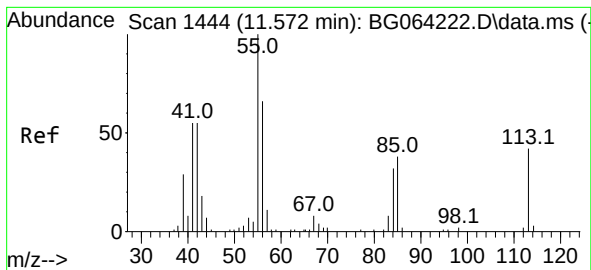


#34
Hexachlorobutadiene
Concen: 55.178 ng
RT: 10.974 min Scan# 1342
Delta R.T. -0.016 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29



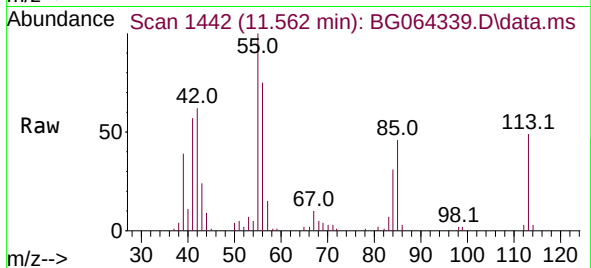
Tgt Ion:225 Resp: 64898
Ion Ratio Lower Upper
225 100
223 61.4 46.5 69.7
227 62.6 44.1 66.1





#35
Caprolactam
Concen: 44.168 ng m
RT: 11.562 min Scan# 14
Delta R.T. -0.040 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

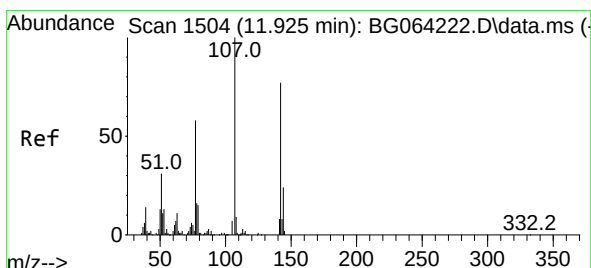
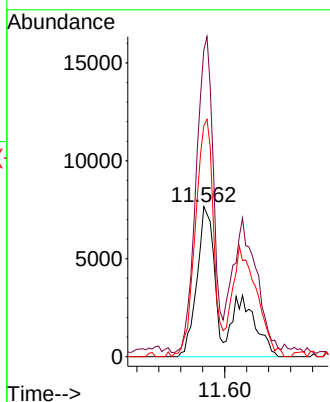
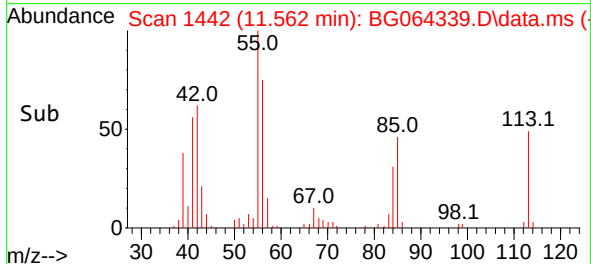
Instrument :
BNA_G
ClientSampleId :
VNJ-258MSD



Tgt Ion:113 Resp: 25808
Ion Ratio Lower Upper
113 100
55 204.3 218.5 258.5
56 154.0 138.5 178.5

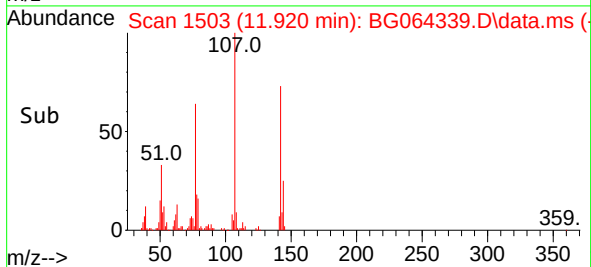
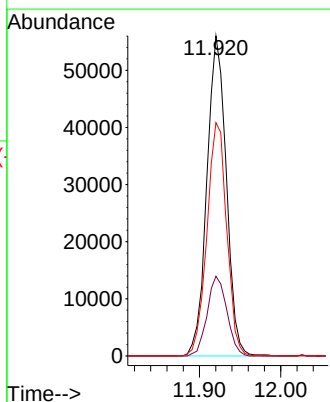
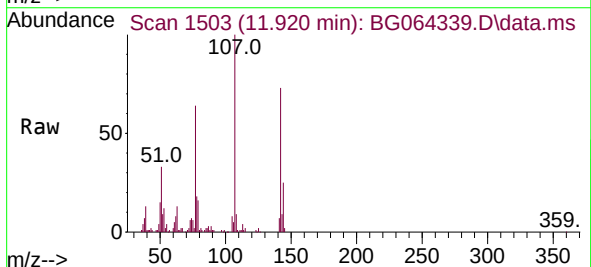
Manual Integrations
APPROVED

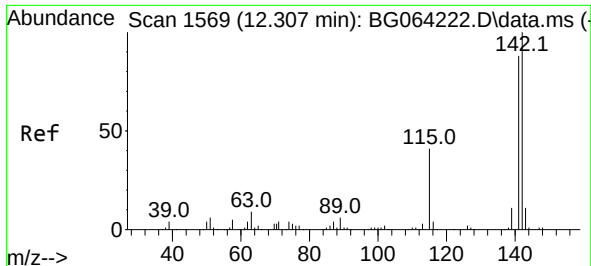
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025



#36
4-Chloro-3-methylphenol
Concen: 47.465 ng
RT: 11.920 min Scan# 1503
Delta R.T. -0.011 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

Tgt Ion:107 Resp: 92934
Ion Ratio Lower Upper
107 100
144 24.9 19.5 29.3
142 72.9 62.0 93.0





#37
2-Methylnaphthalene
Concen: 42.644 ng
RT: 12.291 min Scan# 11
Delta R.T. -0.016 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

Instrument :

BNA_G

ClientSampleId :

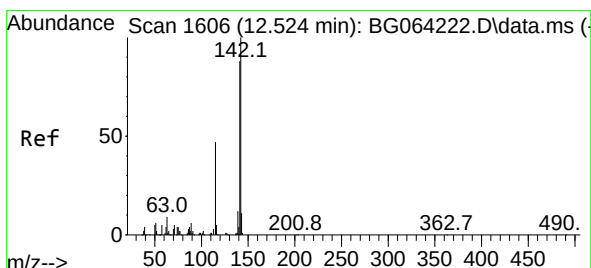
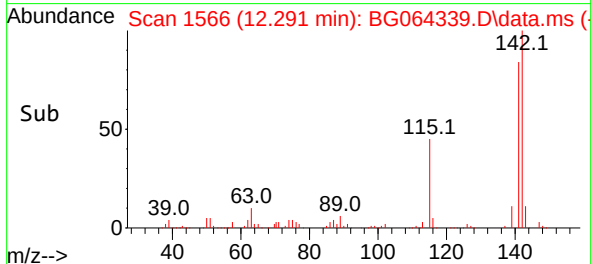
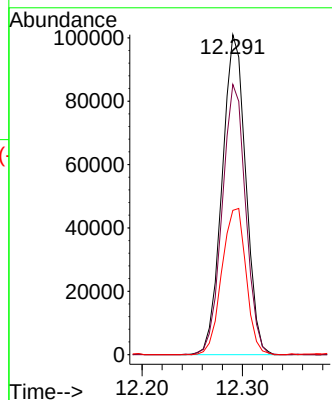
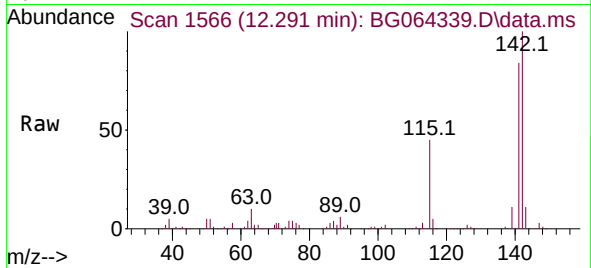
VNJ-258MSD

Tgt Ion:142 Resp: 165409
Ion Ratio Lower Upper
142 100
141 84.4 70.1 105.1
115 45.1 33.1 49.7

Manual Integrations

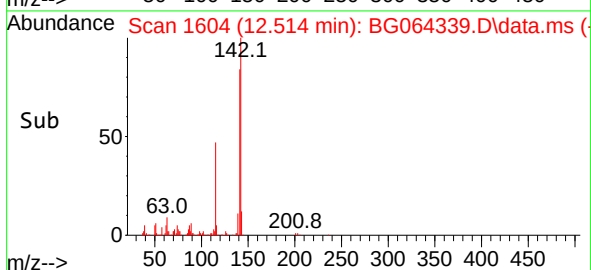
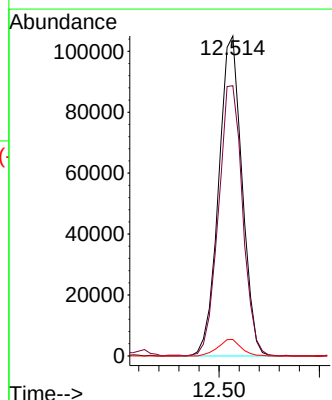
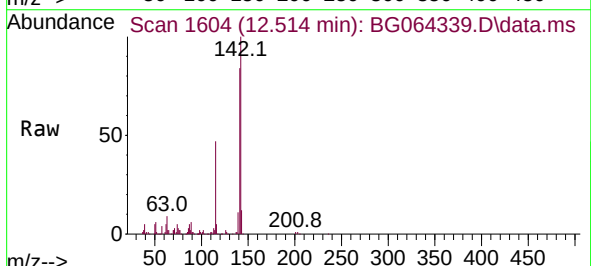
APPROVED

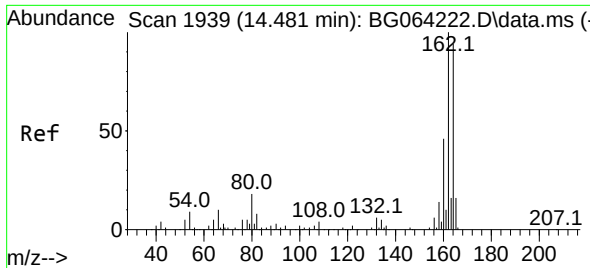
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025



#38
1-Methylnaphthalene
Concen: 44.460 ng
RT: 12.514 min Scan# 1604
Delta R.T. -0.011 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

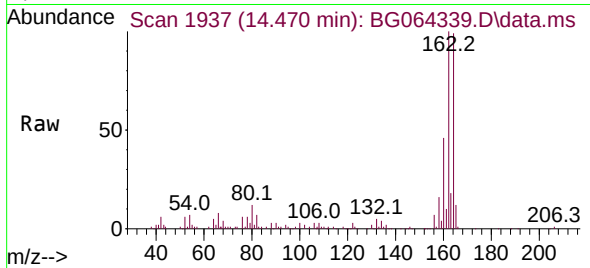
Tgt Ion:142 Resp: 170338
Ion Ratio Lower Upper
142 100
141 84.4 70.3 105.5
116 5.2 3.7 5.5





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.470 min Scan# 1939
Delta R.T. -0.011 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

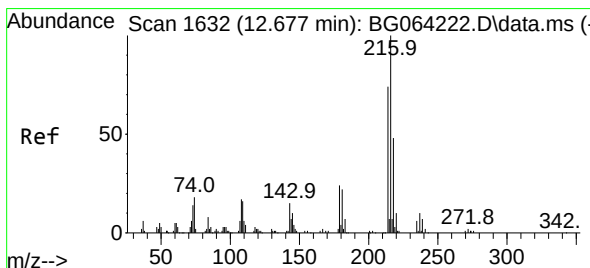
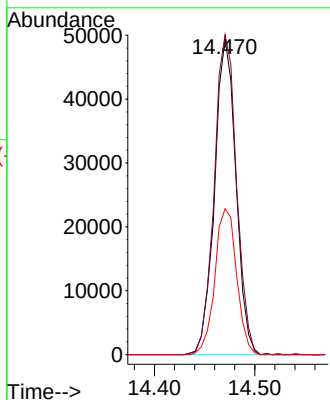
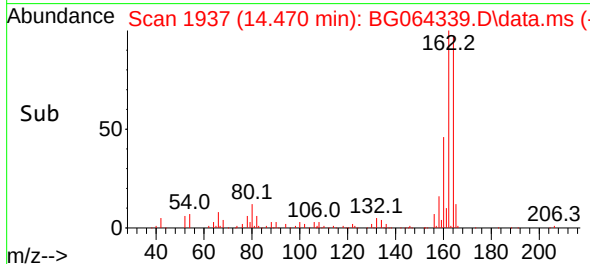
Instrument :
BNA_G
ClientSampleId :
VNJ-258MSD



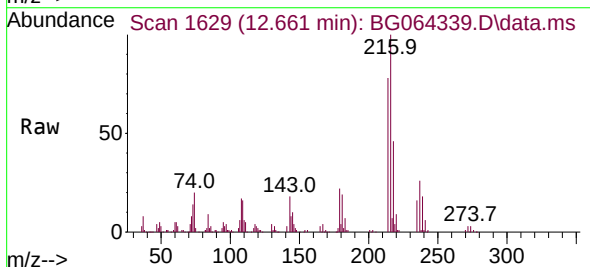
Tgt Ion:164 Resp: 73291
Ion Ratio Lower Upper
164 100
162 101.3 85.4 128.0
160 46.2 39.2 58.8

Manual Integrations
APPROVED

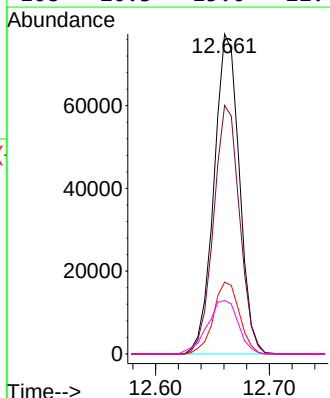
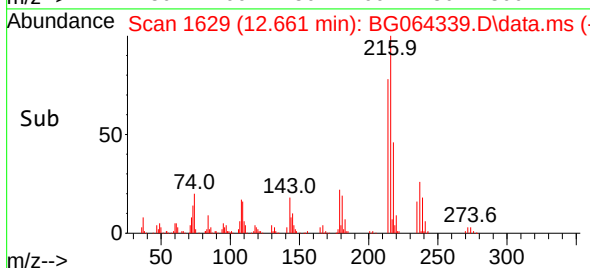
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025

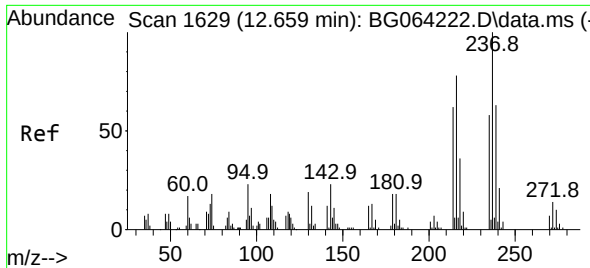


#40
1,2,4,5-Tetrachlorobenzene
Concen: 56.490 ng
RT: 12.661 min Scan# 1629
Delta R.T. -0.016 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29



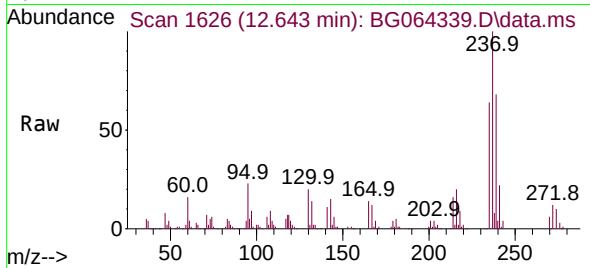
Tgt Ion:216 Resp: 119457
Ion Ratio Lower Upper
216 100
214 79.7 61.9 92.9
179 23.0 17.9 26.9
108 20.3 15.0 22.4





#41
Hexachlorocyclopentadiene
Concen: 103.585 ng
RT: 12.643 min Scan# 1626
Delta R.T. -0.016 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

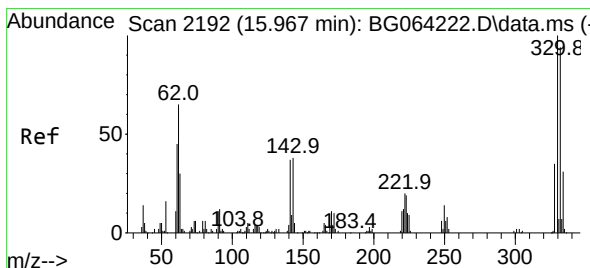
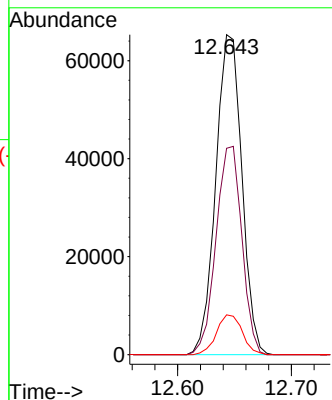
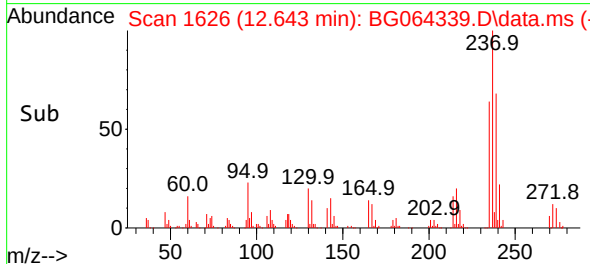
Instrument :
BNA_G
ClientSampleId :
VNJ-258MSD



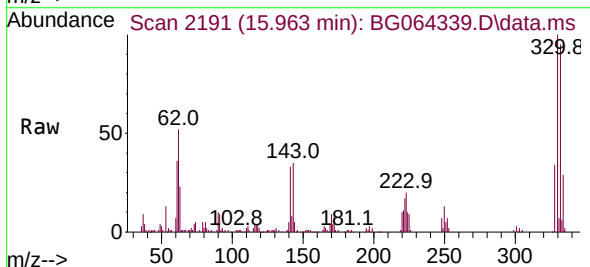
Tgt Ion:237 Resp: 104107
Ion Ratio Lower Upper
237 100
235 64.5 37.9 77.9
272 12.4 0.0 33.8

Manual Integrations
APPROVED

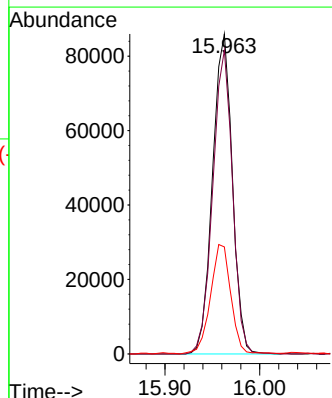
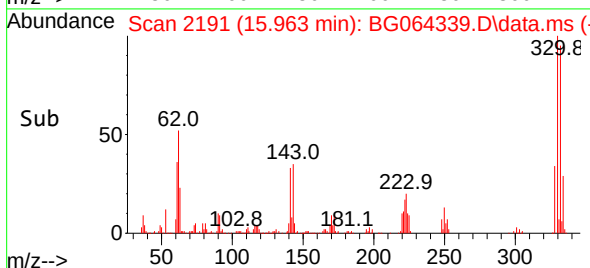
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025

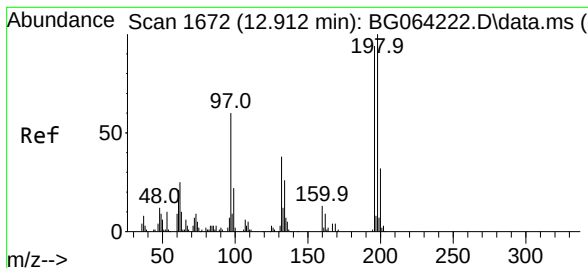


#42
2,4,6-Tribromophenol
Concen: 128.540 ng
RT: 15.963 min Scan# 2191
Delta R.T. -0.010 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29



Tgt Ion:330 Resp: 124783
Ion Ratio Lower Upper
330 100
332 94.6 77.6 116.4
141 35.4 29.8 44.6





#43

2,4,6-Trichlorophenol

Concen: 50.651 ng

RT: 12.902 min Scan# 1672

Delta R.T. -0.010 min

Lab File: BG064339.D

Acq: 10 Sep 2025 19:29

Instrument :

BNA_G

ClientSampleId :

VNJ-258MSD

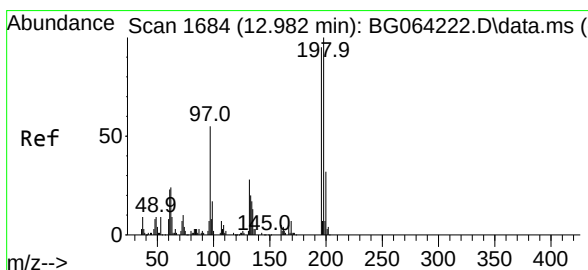
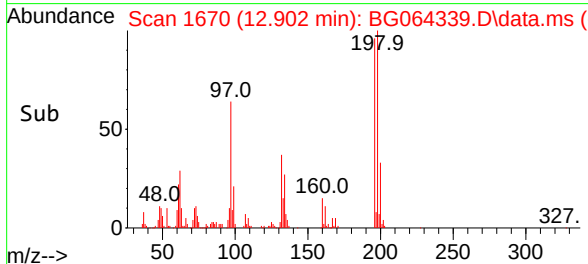
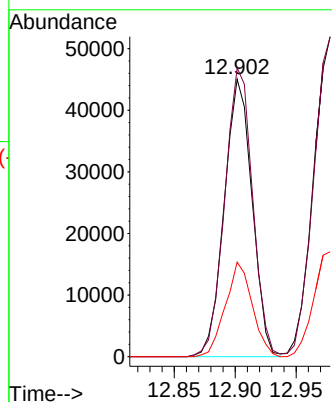
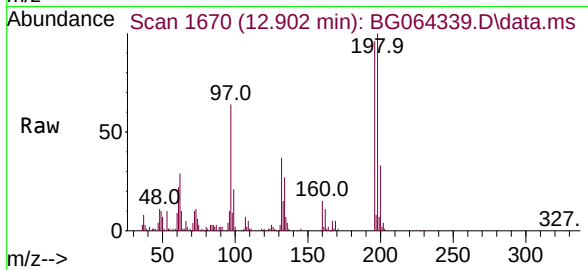
Tgt Ion:196	Resp:	71591
Ion Ratio	Lower	Upper
196	100	
198	104.1	85.4 128.2
200	34.0	27.3 40.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/11/2025

Supervised By :Jagrut Upadhyay 09/11/2025



#44

2,4,5-Trichlorophenol

Concen: 53.657 ng

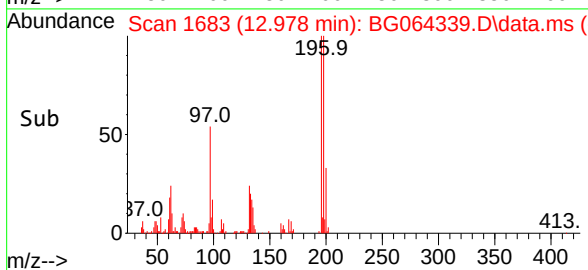
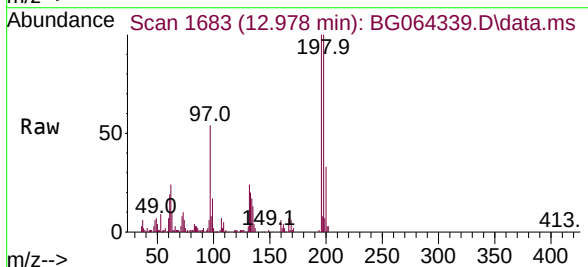
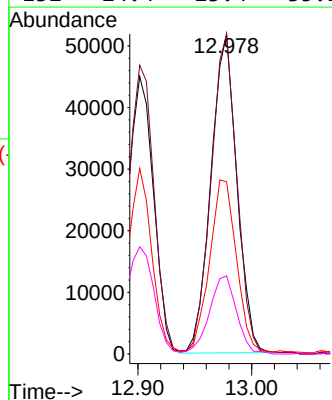
RT: 12.978 min Scan# 1683

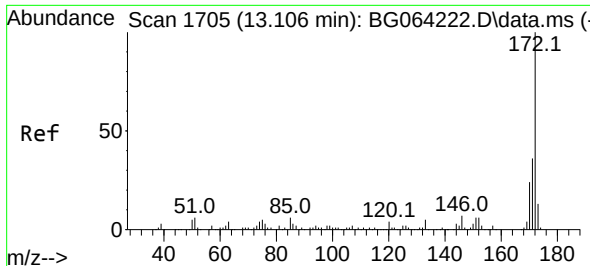
Delta R.T. -0.010 min

Lab File: BG064339.D

Acq: 10 Sep 2025 19:29

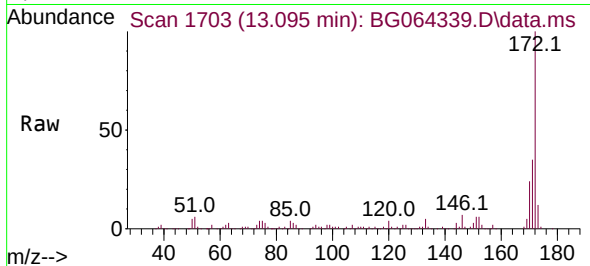
Tgt Ion:196	Resp:	82268
Ion Ratio	Lower	Upper
196	100	
198	99.9	84.5 126.7
97	53.8	46.8 70.2
132	24.4	23.4 35.2





#45
2-Fluorobiphenyl
Concen: 66.717 ng
RT: 13.095 min Scan# 1705
Delta R.T. -0.016 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

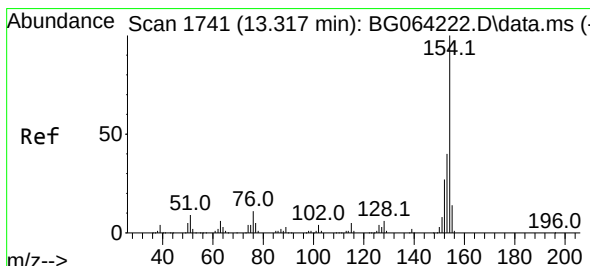
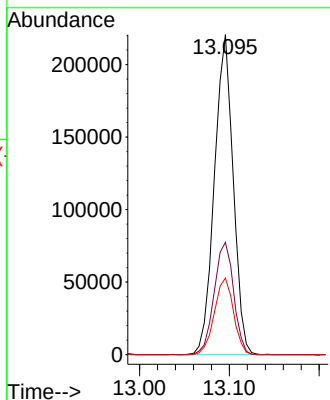
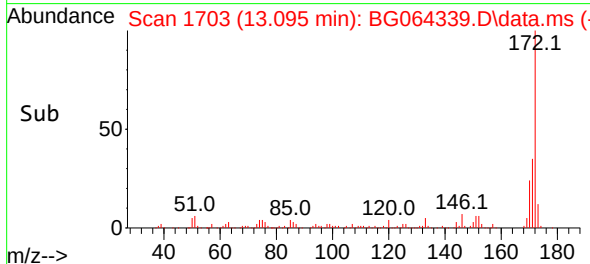
Instrument :
BNA_G
ClientSampleId :
VNJ-258MSD



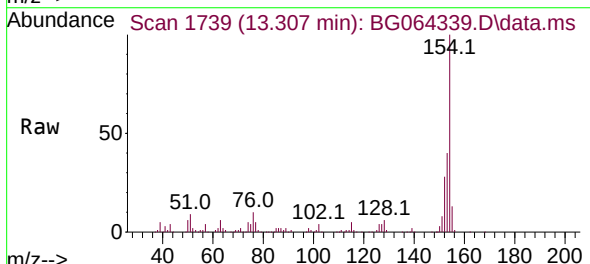
Tgt Ion:172 Resp: 320352
Ion Ratio Lower Upper
172 100
171 35.1 28.7 43.1
170 23.9 19.0 28.6

Manual Integrations
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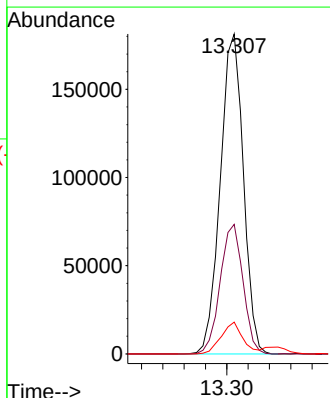
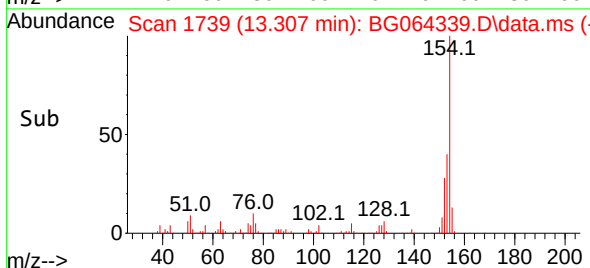
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025

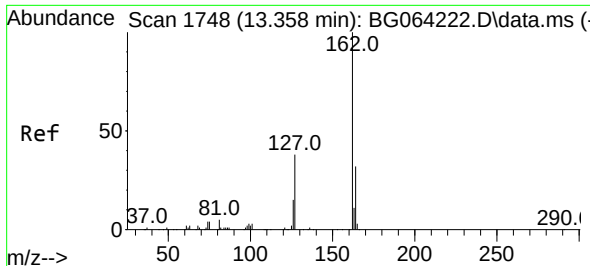


#46
1,1'-Biphenyl
Concen: 51.209 ng
RT: 13.307 min Scan# 1739
Delta R.T. -0.010 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29



Tgt Ion:154 Resp: 273361
Ion Ratio Lower Upper
154 100
153 40.5 19.9 59.9
76 9.9 0.0 30.9





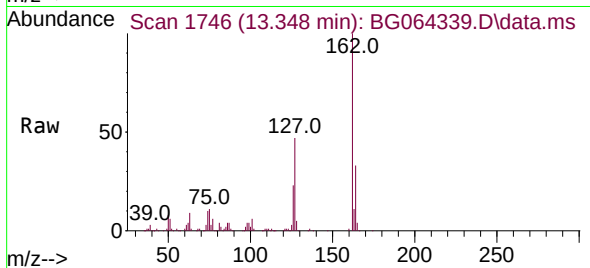
#47
2-Chloronaphthalene
Concen: 45.409 ng
RT: 13.348 min Scan# 1746
Delta R.T. -0.010 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

Instrument :

BNA_G

ClientSampleId :

VNJ-258MSD



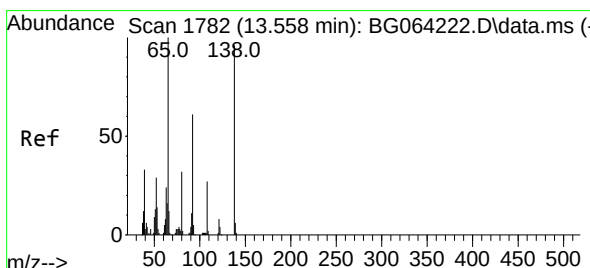
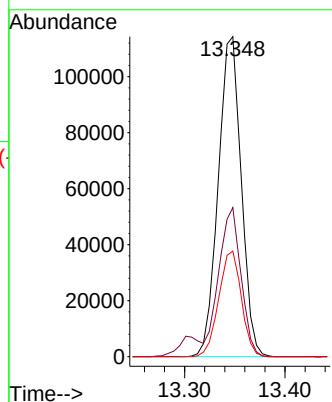
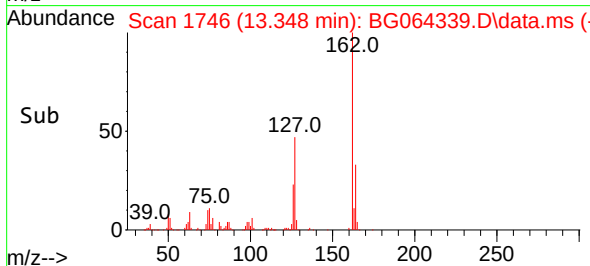
Tgt Ion:162 Resp: 182234
Ion Ratio Lower Upper
162 100
127 46.6 33.9 50.9
164 33.0 25.4 38.2

Manual Integrations

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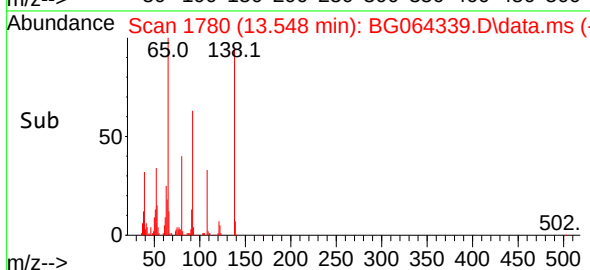
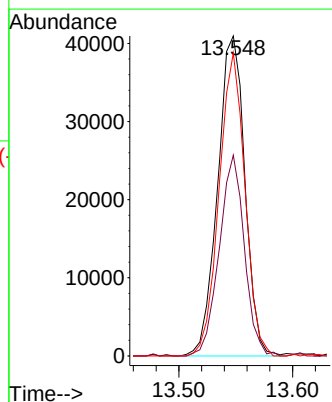
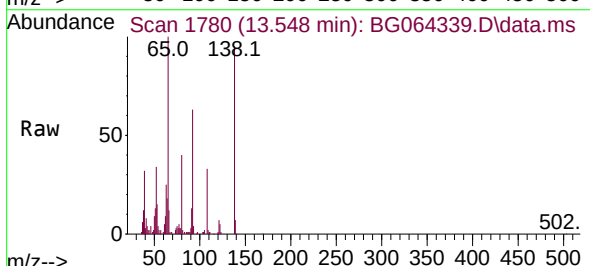
Reviewed By :Rahul Chavli 09/11/2025

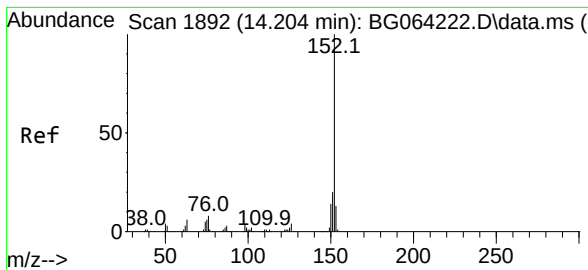
Supervised By :Jagrut Upadhyay 09/11/2025



#48
2-Nitroaniline
Concen: 49.776 ng
RT: 13.548 min Scan# 1780
Delta R.T. -0.016 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

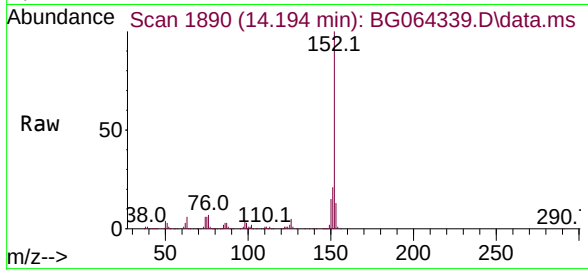
Tgt Ion: 65 Resp: 68085
Ion Ratio Lower Upper
65 100
92 62.7 49.2 73.8
138 94.7 76.8 115.2





#49
Acenaphthylene
Concen: 54.729 ng
RT: 14.194 min Scan# 1892
Delta R.T. -0.010 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

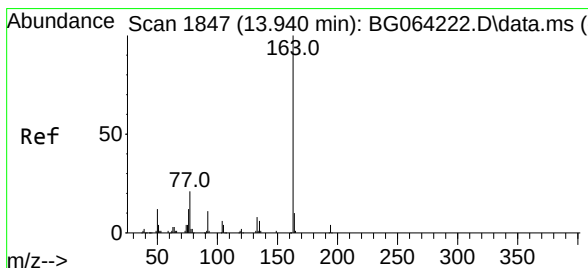
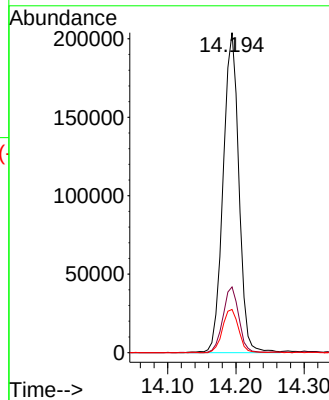
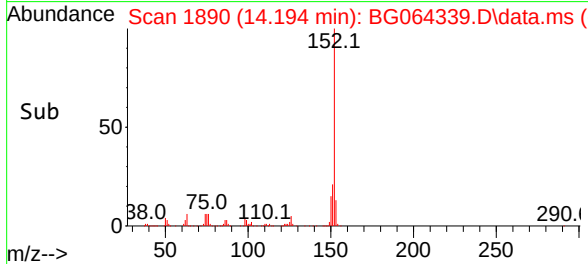
Instrument :
BNA_G
ClientSampleId :
VNJ-258MSD



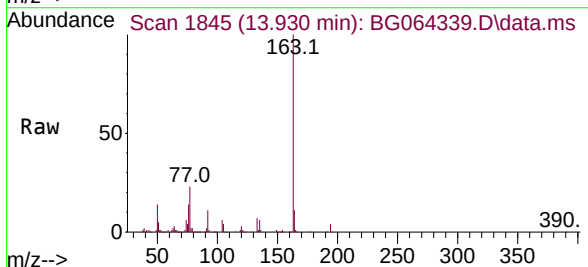
Tgt Ion:152 Resp: 324673
Ion Ratio Lower Upper
152 100
151 20.5 16.2 24.2
153 13.5 10.1 15.1

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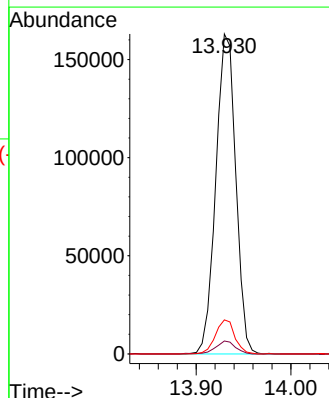
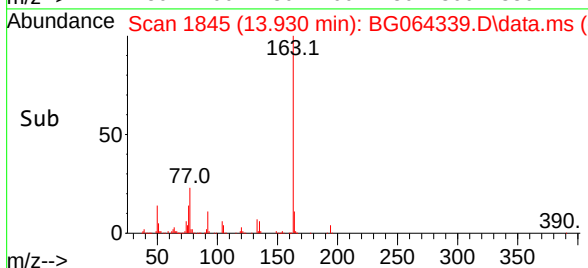
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025

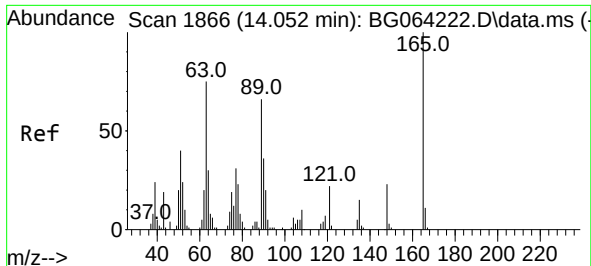


#50
Dimethylphthalate
Concen: 42.933 ng
RT: 13.930 min Scan# 1845
Delta R.T. -0.016 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29



Tgt Ion:163 Resp: 238173
Ion Ratio Lower Upper
163 100
194 4.0 3.0 4.4
164 10.6 7.9 11.9





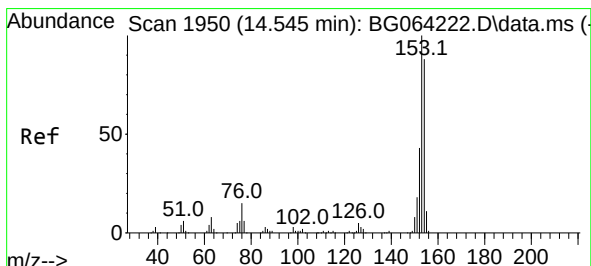
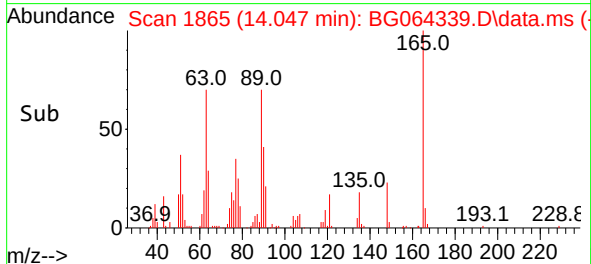
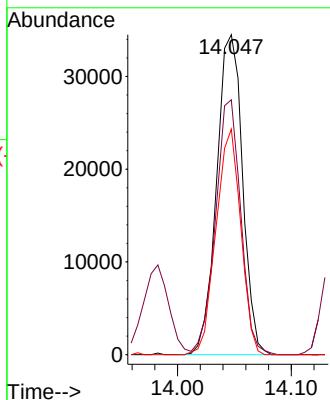
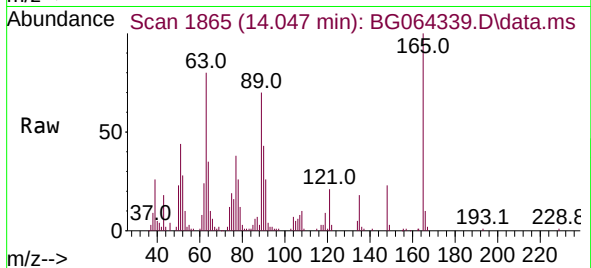
#51
2,6-Dinitrotoluene
Concen: 50.733 ng
RT: 14.047 min Scan# 1866
Delta R.T. -0.011 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

Instrument :
BNA_G
ClientSampleId :
VNJ-258MSD

Tgt Ion:165 Resp: 54486
Ion Ratio Lower Upper
165 100
63 79.6 60.3 90.5
89 70.5 52.9 79.3

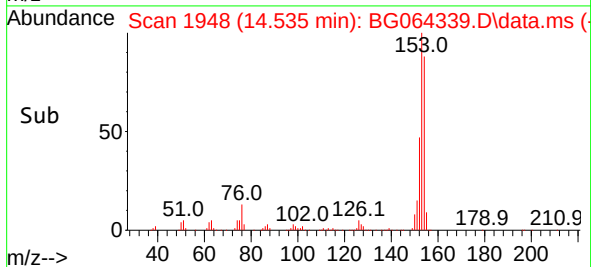
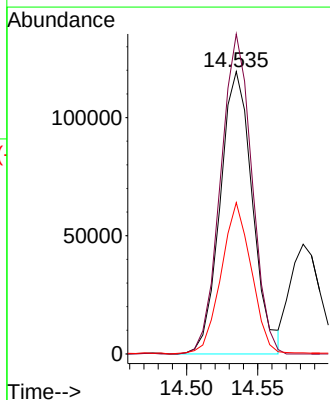
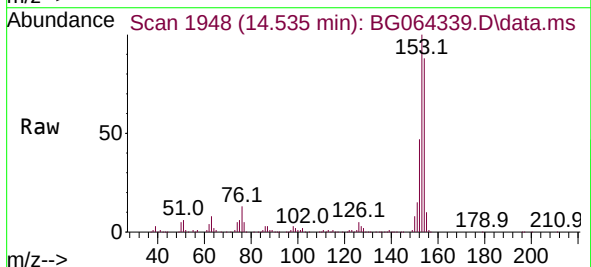
Manual Integrations
APPROVED

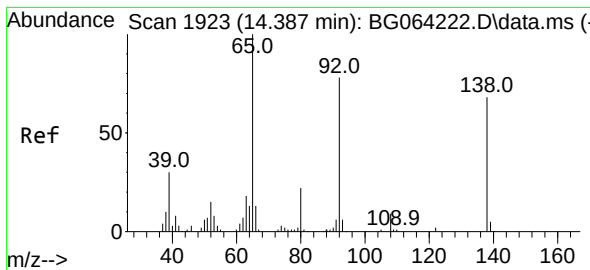
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025



#52
Acenaphthene
Concen: 45.125 ng
RT: 14.535 min Scan# 1948
Delta R.T. -0.016 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

Tgt Ion:154 Resp: 188918
Ion Ratio Lower Upper
154 100
153 113.3 91.1 136.7
152 53.6 39.6 59.4





#53
3-Nitroaniline
Concen: 29.313 ng
RT: 14.370 min Scan# 1920
Delta R.T. -0.016 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

Instrument :

BNA_G

ClientSampleId :

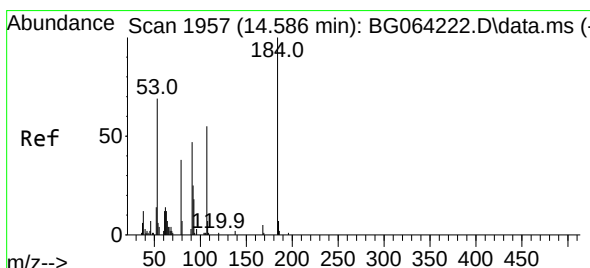
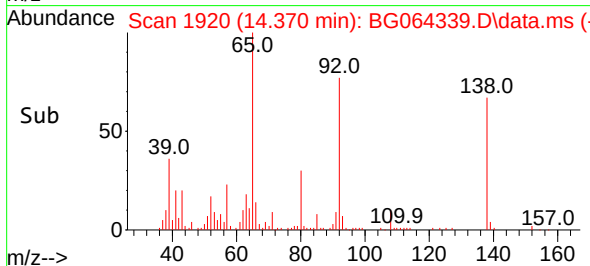
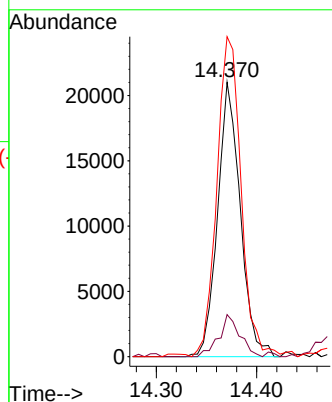
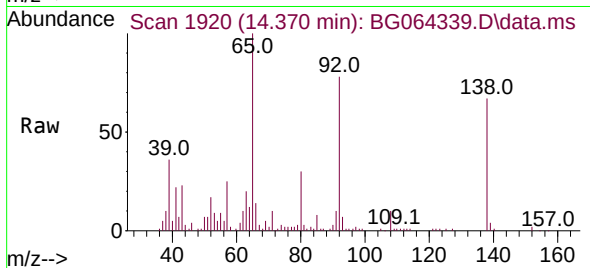
VNJ-258MSD

Tgt Ion:138 Resp: 32976
Ion Ratio Lower Upper
138 100
108 15.3 11.0 16.6
92 116.7 91.4 137.0

Manual Integrations

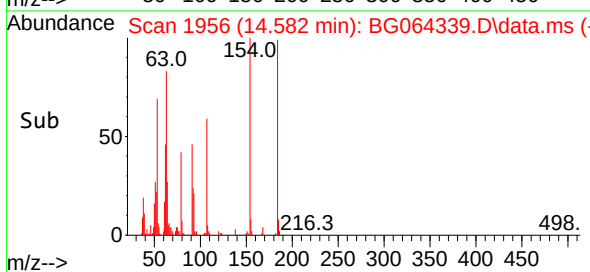
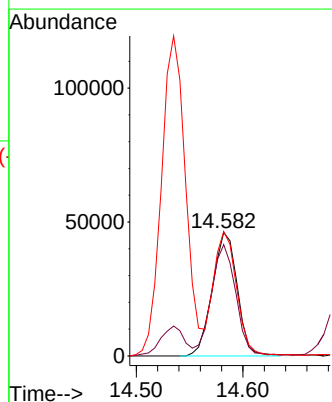
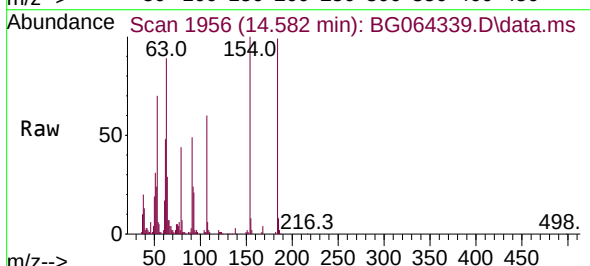
APPROVED

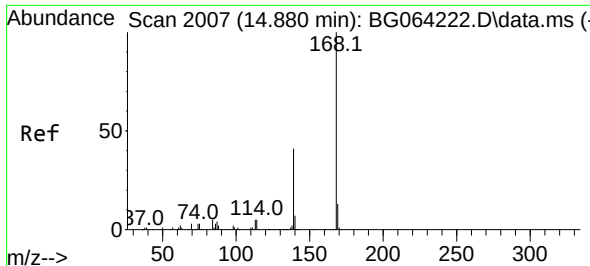
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025



#54
2,4-Dinitrophenol
Concen: 104.590 ng
RT: 14.582 min Scan# 1956
Delta R.T. -0.010 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

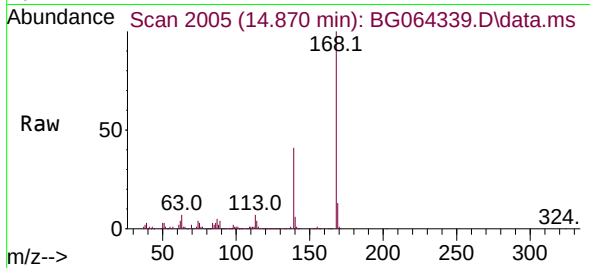
Tgt Ion:184 Resp: 74700
Ion Ratio Lower Upper
184 100
63 90.1 60.1 90.1#
154 100.8 59.8 89.8#





#55
Dibenzenofuran
Concen: 46.926 ng
RT: 14.870 min Scan# 2007
Delta R.T. -0.010 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

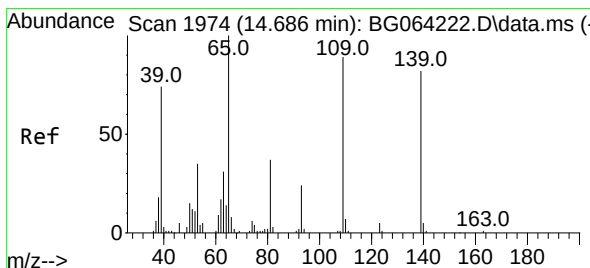
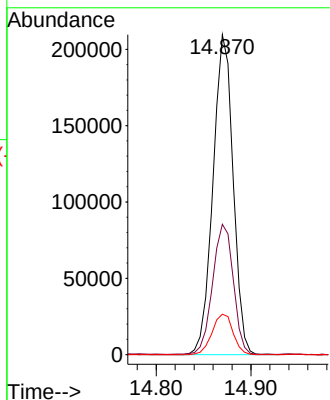
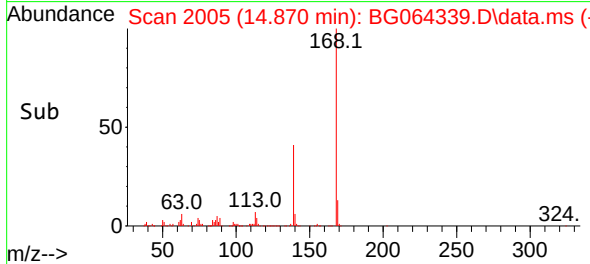
Instrument :
BNA_G
ClientSampleId :
VNJ-258MSD



Tgt Ion:168 Resp: 309010
Ion Ratio Lower Upper
168 100
139 40.7 33.2 49.8
169 12.6 10.4 15.6

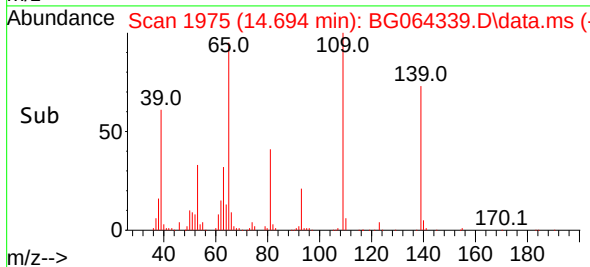
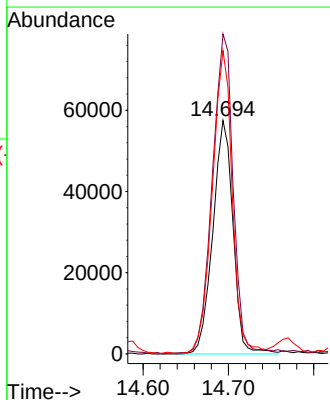
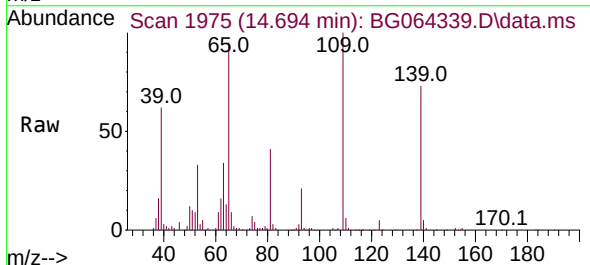
Manual Integrations
APPROVED

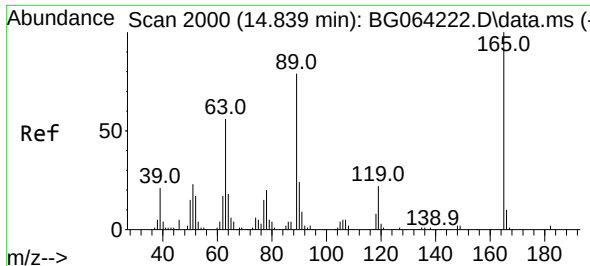
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025



#56
4-Nitrophenol
Concen: 102.038 ng
RT: 14.694 min Scan# 1975
Delta R.T. -0.005 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

Tgt Ion:139 Resp: 94162
Ion Ratio Lower Upper
139 100
109 137.2 89.1 129.1#
65 130.0 102.9 142.9





#57
2,4-Dinitrotoluene
Concen: 51.009 ng
RT: 14.835 min Scan# 1999
Delta R.T. -0.010 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

Instrument :

BNA_G

ClientSampleId :

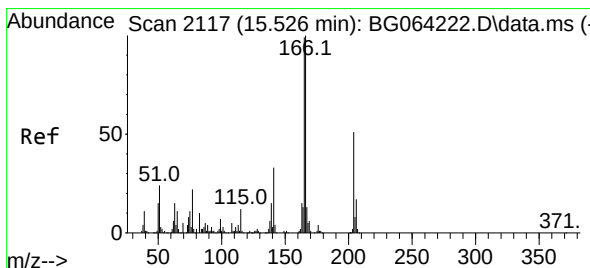
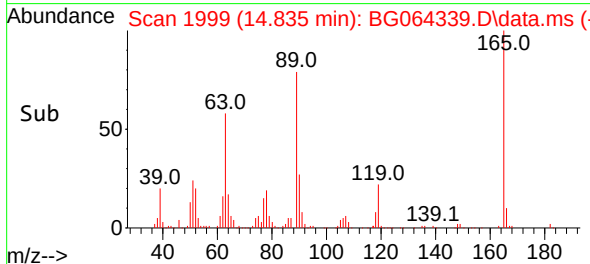
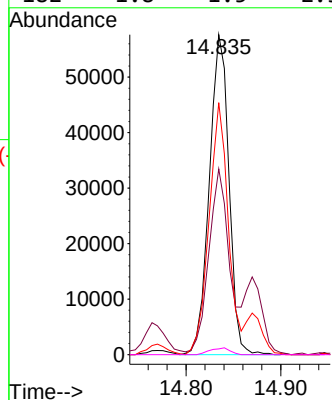
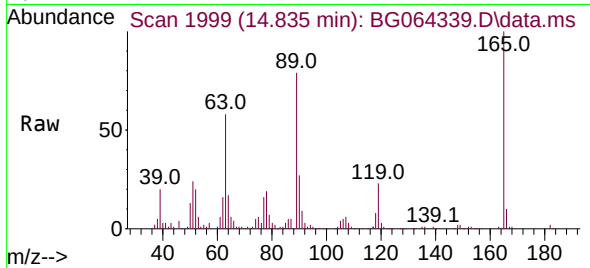
VNJ-258MSD

Tgt Ion:165 Resp: 82830
Ion Ratio Lower Upper
165 100
63 58.0 44.6 67.0
89 78.7 63.0 94.4
182 1.8 1.5 2.3

Manual Integrations

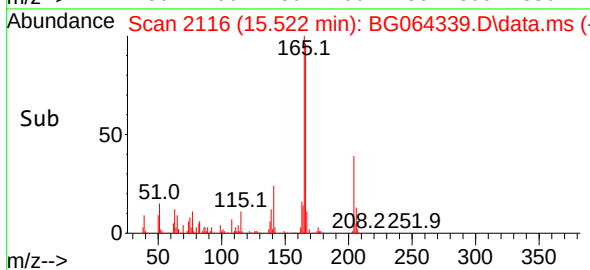
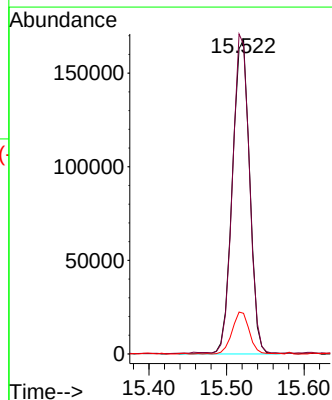
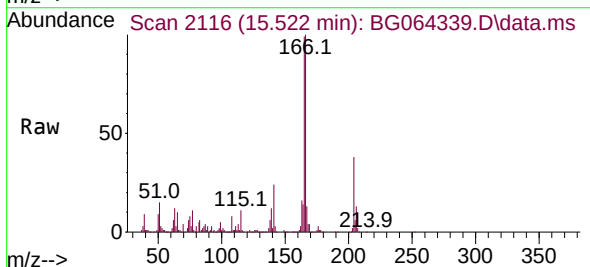
APPROVED

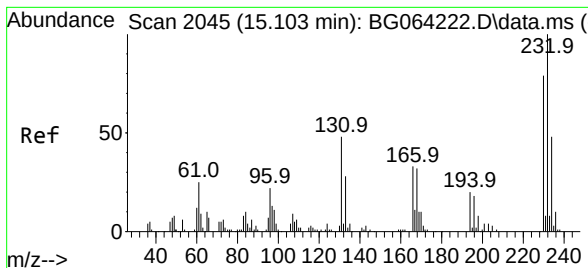
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025



#58
Fluorene
Concen: 48.168 ng
RT: 15.522 min Scan# 2116
Delta R.T. -0.011 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

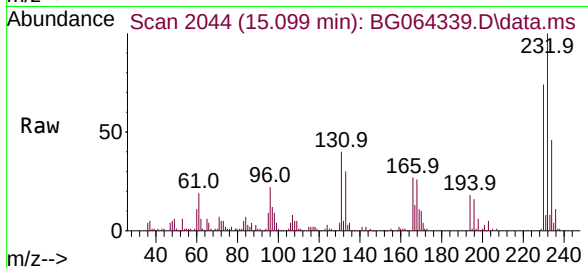
Tgt Ion:166 Resp: 259978
Ion Ratio Lower Upper
166 100
165 98.6 79.1 118.7
167 12.9 10.2 15.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 56.319 ng
RT: 15.099 min Scan# 2044
Delta R.T. -0.010 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

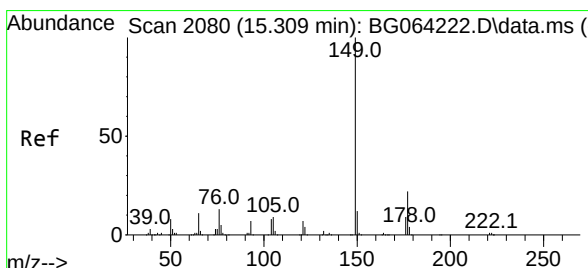
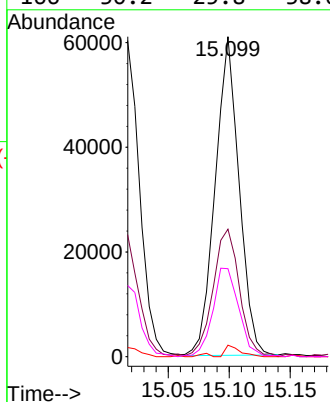
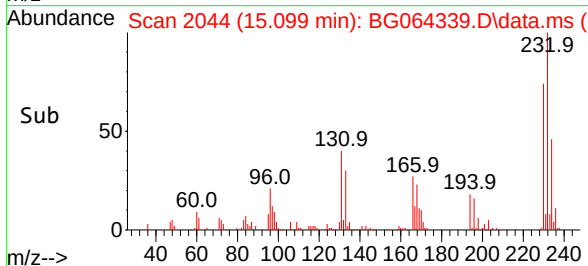
Instrument :
BNA_G
ClientSampleId :
VNJ-258MSD



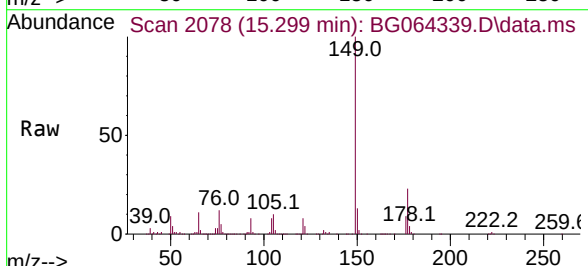
Tgt Ion:232 Resp: 83052
Ion Ratio Lower Upper
232 100
131 44.4 37.1 55.7
130 2.6 2.6 3.8
166 30.2 25.8 38.6

Manual Integrations
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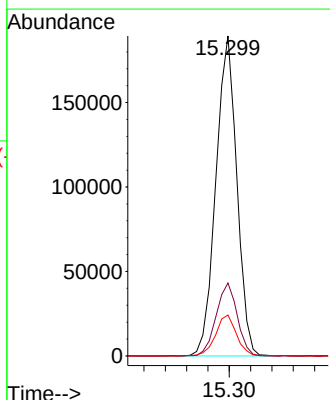
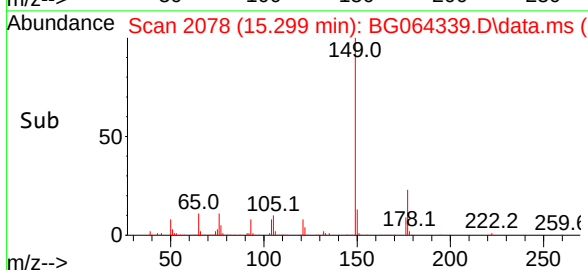
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025

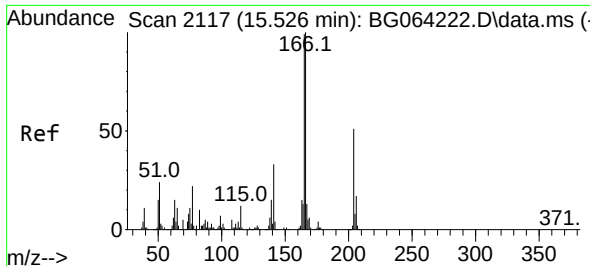


#60
Diethylphthalate
Concen: 43.608 ng
RT: 15.299 min Scan# 2078
Delta R.T. -0.016 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29



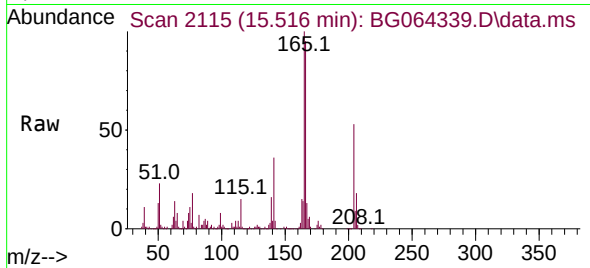
Tgt Ion:149 Resp: 258905
Ion Ratio Lower Upper
149 100
177 22.8 17.5 26.3
150 12.8 9.9 14.9





#61
4-Chlorophenyl-phenylether
Concen: 47.925 ng
RT: 15.516 min Scan# 2115
Delta R.T. -0.010 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

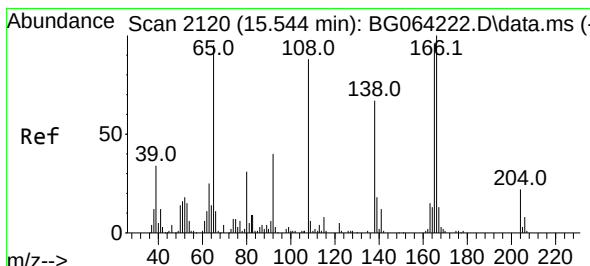
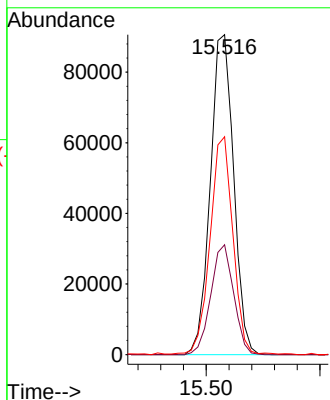
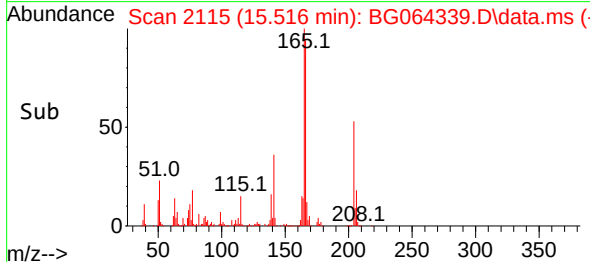
Instrument :
BNA_G
ClientSampleId :
VNJ-258MSD



Tgt Ion:204 Resp: 12896
Ion Ratio Lower Upper
204 100
206 34.3 26.2 39.4
141 68.1 51.9 77.9

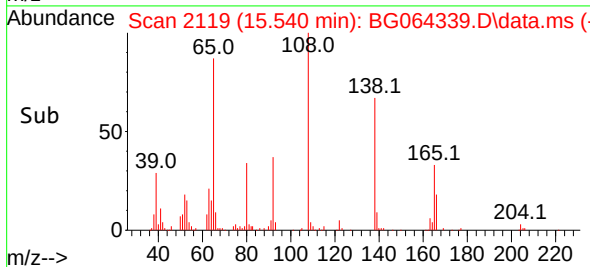
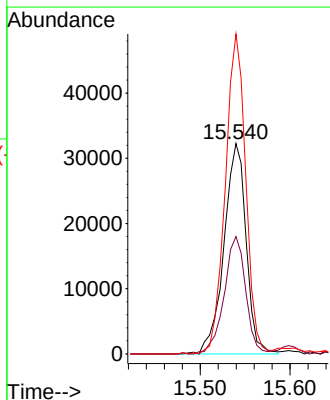
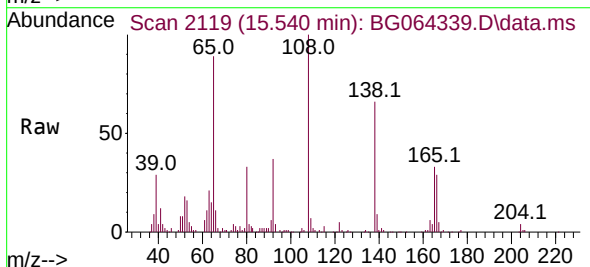
Manual Integrations
APPROVED

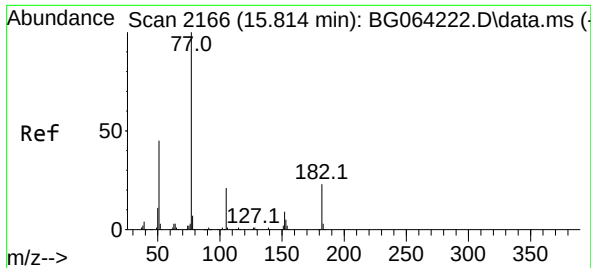
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025



#62
4-Nitroaniline
Concen: 48.309 ng
RT: 15.540 min Scan# 2119
Delta R.T. -0.016 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

Tgt Ion:138 Resp: 55455
Ion Ratio Lower Upper
138 100
92 55.8 39.1 79.1
108 152.1 111.3 151.3#





#63
Azobenzene
Concen: 47.189 ng
RT: 15.810 min Scan# 2166
Delta R.T. -0.010 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

Instrument :

BNA_G

ClientSampleId :

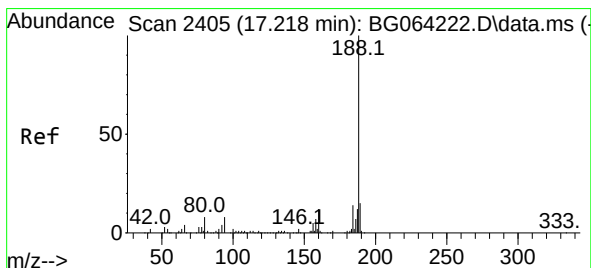
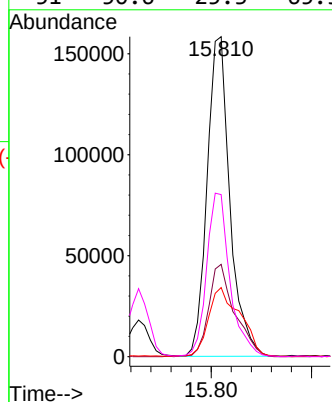
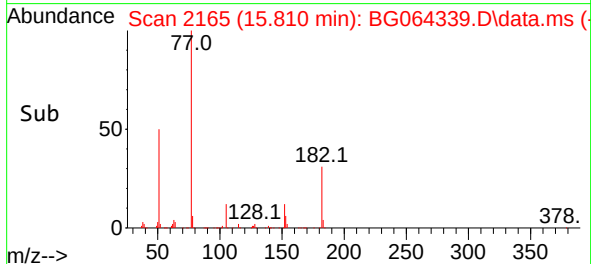
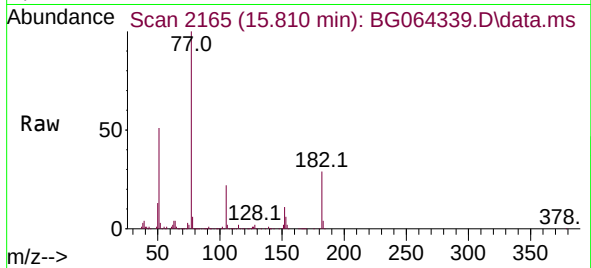
VNJ-258MSD

Tgt Ion: 77 Resp: 24970
Ion Ratio Lower Upper
77 100
182 28.8 3.3 43.3
105 21.6 0.6 40.6
51 50.6 25.3 65.3

Manual Integrations

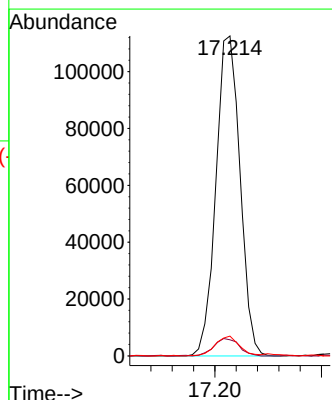
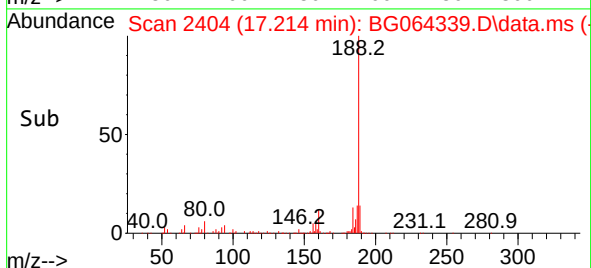
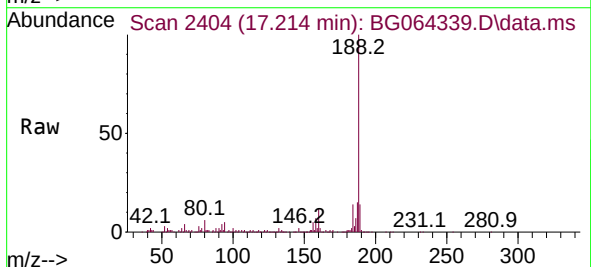
APPROVED

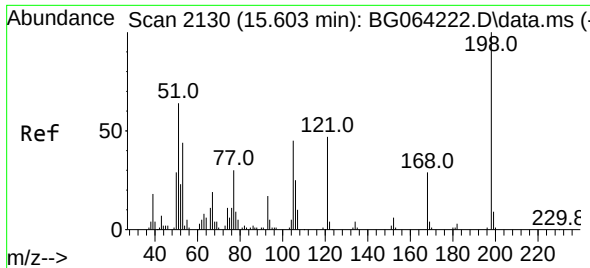
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.214 min Scan# 2404
Delta R.T. -0.011 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

Tgt Ion:188 Resp: 176811
Ion Ratio Lower Upper
188 100
94 5.0 6.2 9.4#
80 6.2 6.8 10.2#





#65
4,6-Dinitro-2-methylphenol
Concen: 56.702 ng
RT: 15.598 min Scan# 2129
Delta R.T. -0.011 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

Instrument :

BNA_G

ClientSampleId :

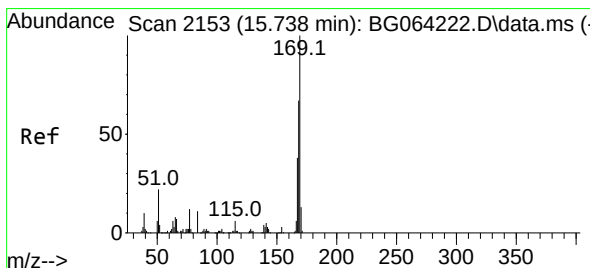
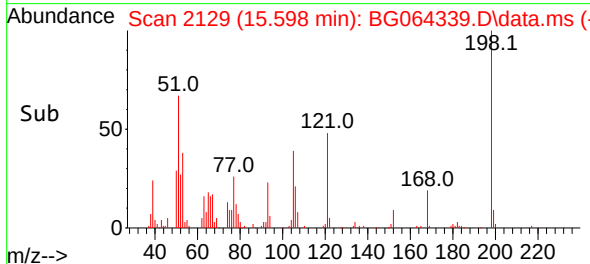
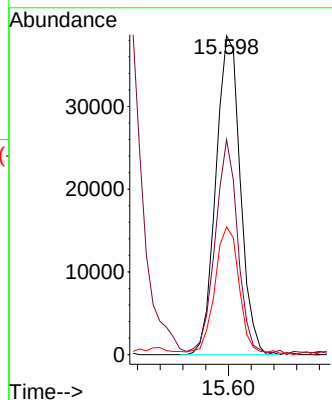
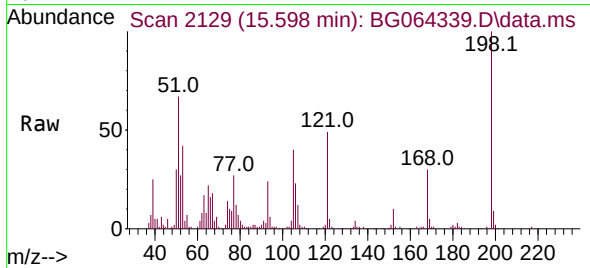
VNJ-258MSD

Tgt Ion:198 Resp: 57560
Ion Ratio Lower Upper
198 100
51 67.4 46.2 86.2
105 40.1 25.0 65.0

Manual Integrations

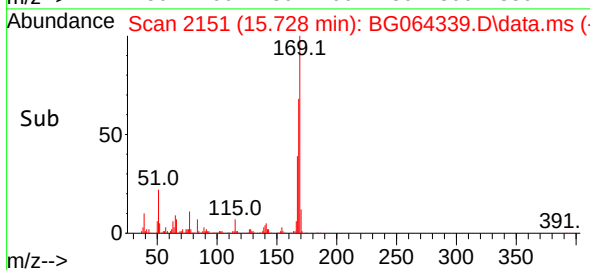
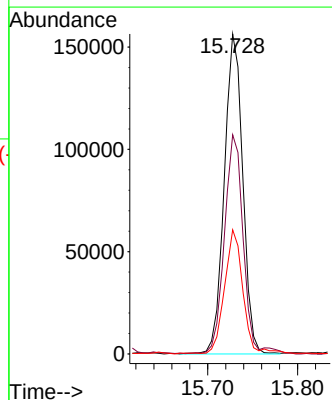
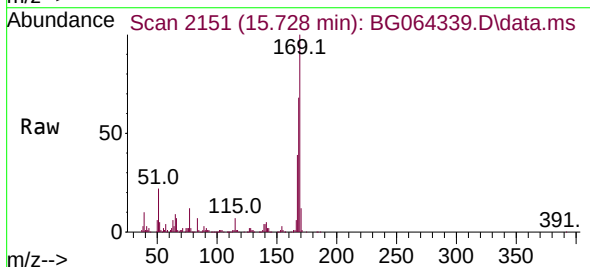
APPROVED

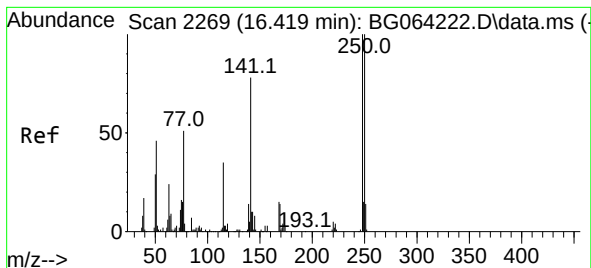
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025



#66
n-Nitrosodiphenylamine
Concen: 46.007 ng
RT: 15.728 min Scan# 2151
Delta R.T. -0.016 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

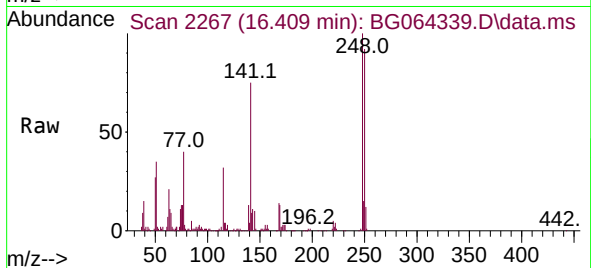
Tgt Ion:169 Resp: 223773
Ion Ratio Lower Upper
169 100
168 68.5 53.8 80.8
167 38.8 30.2 45.2





#67
4-Bromophenyl-phenylether
Concen: 48.754 ng
RT: 16.409 min Scan# 2267
Delta R.T. -0.010 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

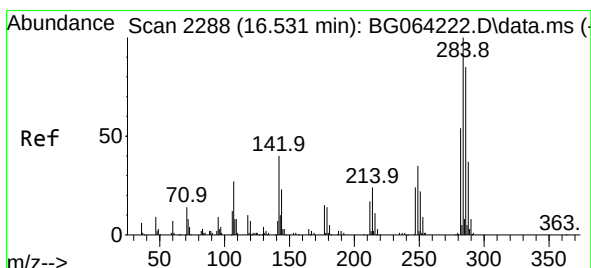
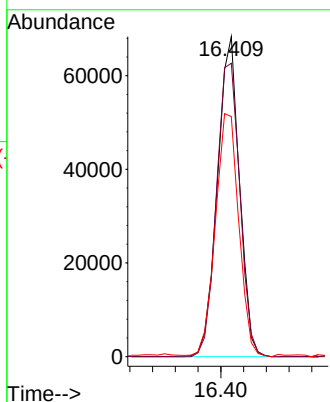
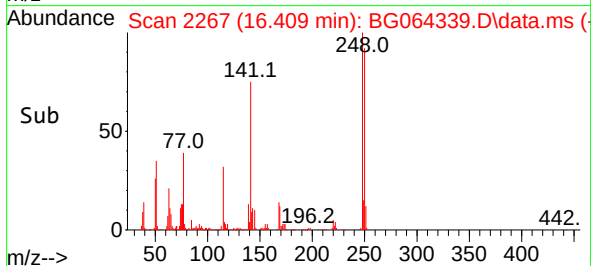
Instrument :
BNA_G
ClientSampleId :
VNJ-258MSD



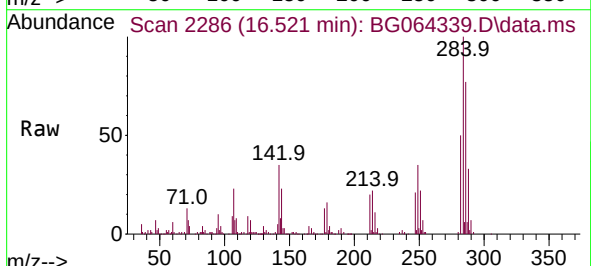
Tgt Ion:248 Resp: 91552
Ion Ratio Lower Upper
248 100
250 91.7 80.2 120.4
141 75.0 62.4 93.6

Manual Integrations
APPROVED

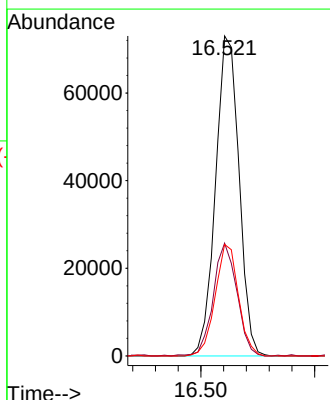
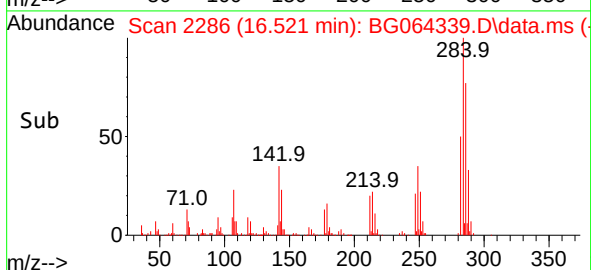
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025

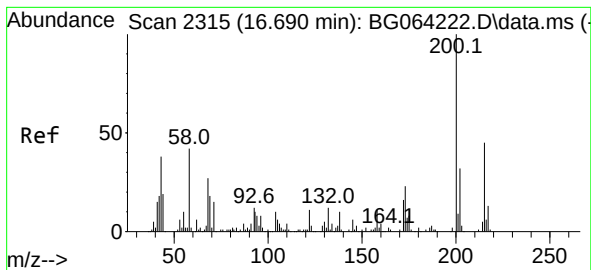


#68
Hexachlorobenzene
Concen: 50.170 ng
RT: 16.521 min Scan# 2286
Delta R.T. -0.016 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29



Tgt Ion:284 Resp: 104627
Ion Ratio Lower Upper
284 100
142 35.2 32.1 48.1
249 37.6 28.3 42.5





#69

Atrazine

Concen: 49.628 ng

RT: 16.679 min Scan# 2313

Delta R.T. -0.016 min

Lab File: BG064339.D

Acq: 10 Sep 2025 19:29

Instrument :

BNA_G

ClientSampleId :

VNJ-258MSD

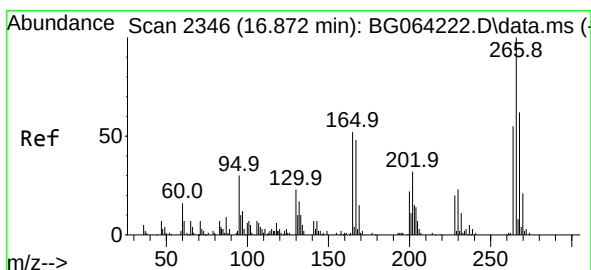
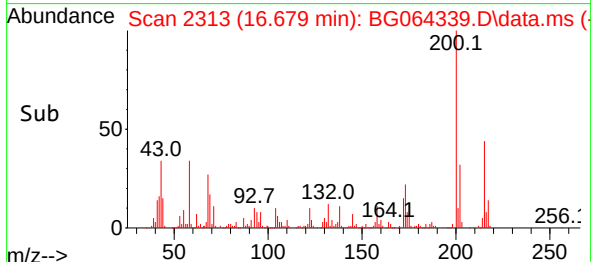
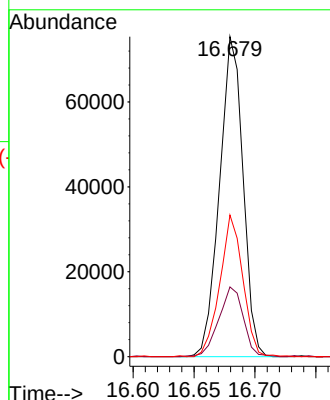
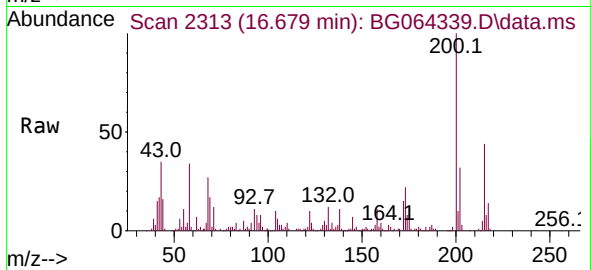
Tgt Ion:200	Resp: 100789
Ion Ratio	Lower Upper
200 100	
173 21.8	3.5 43.5
215 44.2	24.8 64.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/11/2025

Supervised By :Jagrut Upadhyay 09/11/2025



#70

Pentachlorophenol

Concen: 138.113 ng

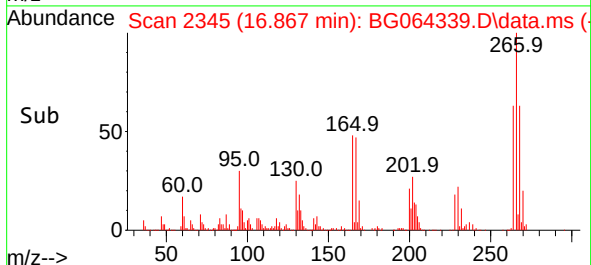
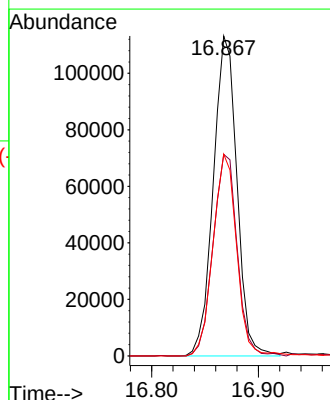
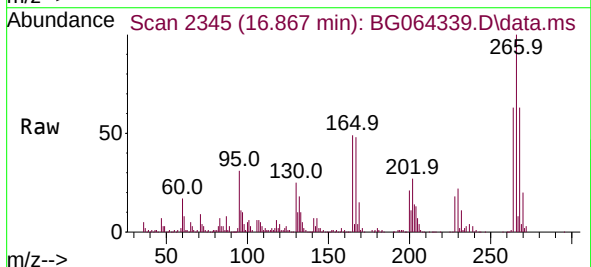
RT: 16.867 min Scan# 2345

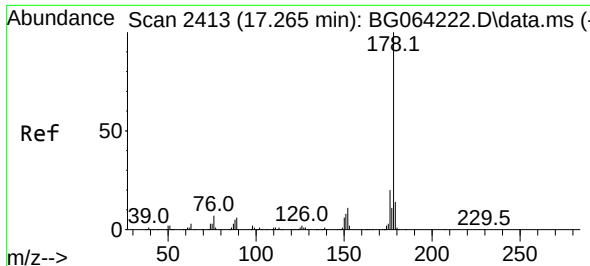
Delta R.T. -0.011 min

Lab File: BG064339.D

Acq: 10 Sep 2025 19:29

Tgt Ion:266	Resp: 174643
Ion Ratio	Lower Upper
266 100	
268 63.0	49.4 74.0
264 63.0	44.3 66.5





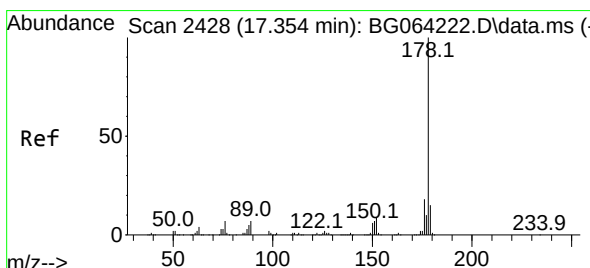
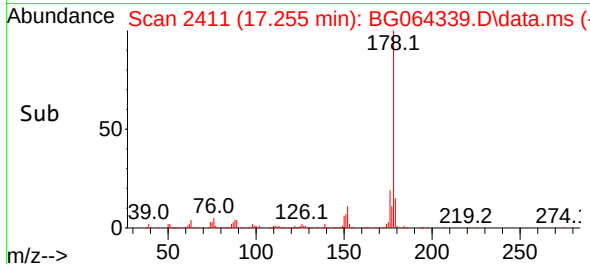
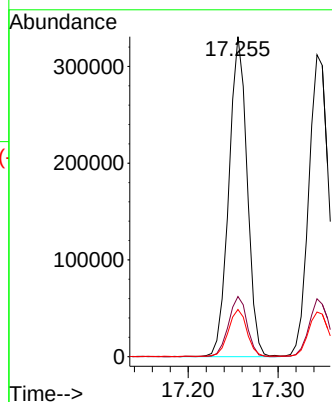
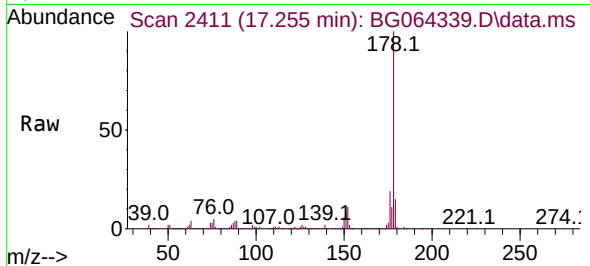
#71
Phenanthrene
Concen: 50.391 ng
RT: 17.255 min Scan# 2413
Delta R.T. -0.011 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

Instrument :
BNA_G
ClientSampleId :
VNJ-258MSD

Tgt Ion:178 Resp: 469925
Ion Ratio Lower Upper
178 100
176 18.8 15.9 23.9
179 14.7 11.4 17.2

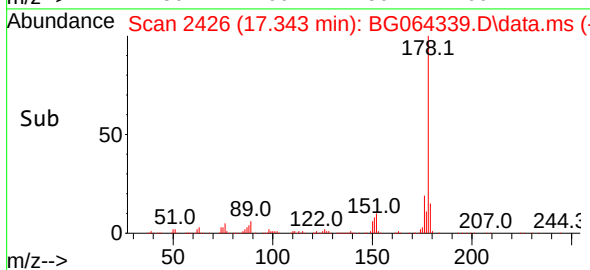
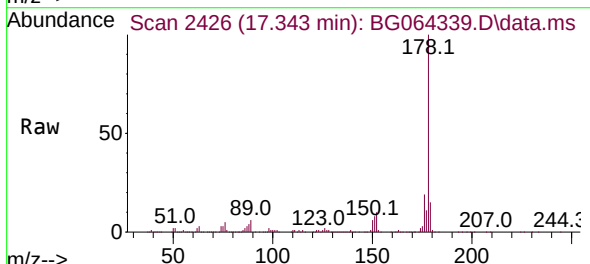
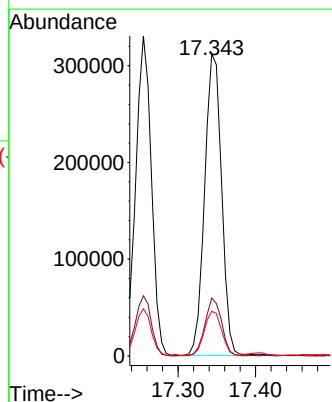
Manual Integrations
APPROVED

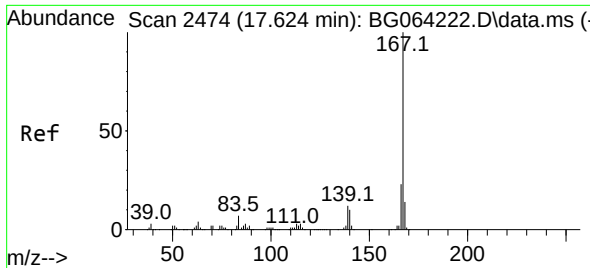
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025



#72
Anthracene
Concen: 49.934 ng
RT: 17.343 min Scan# 2426
Delta R.T. -0.016 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

Tgt Ion:178 Resp: 473685
Ion Ratio Lower Upper
178 100
176 19.1 14.7 22.1
179 14.8 12.1 18.1





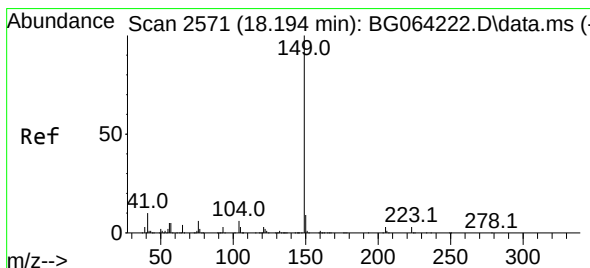
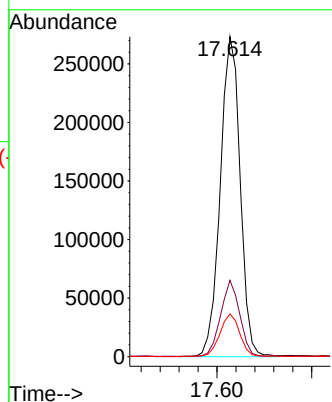
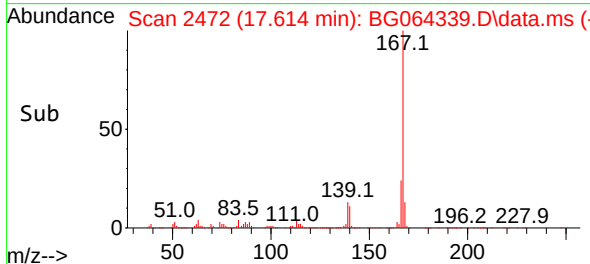
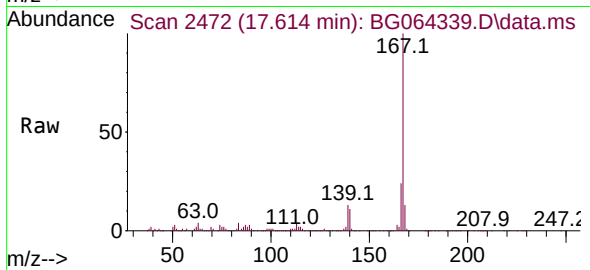
#73
Carbazole
Concen: 47.574 ng
RT: 17.614 min Scan# 2474
Delta R.T. -0.011 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

Instrument :
BNA_G
ClientSampleId :
VNJ-258MSD

Tgt Ion:167 Resp: 397560
Ion Ratio Lower Upper
167 100
166 23.8 18.2 27.2
139 13.3 9.8 14.6

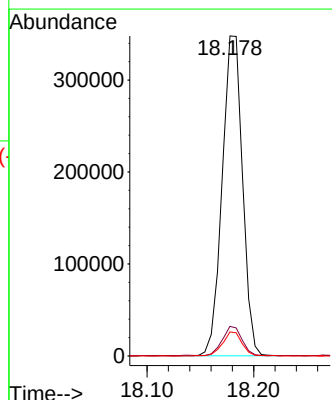
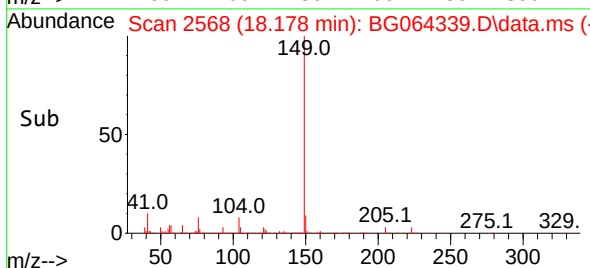
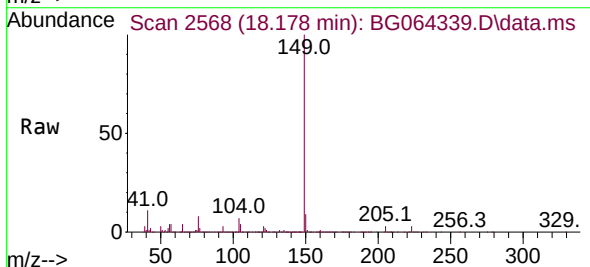
Manual Integrations
APPROVED

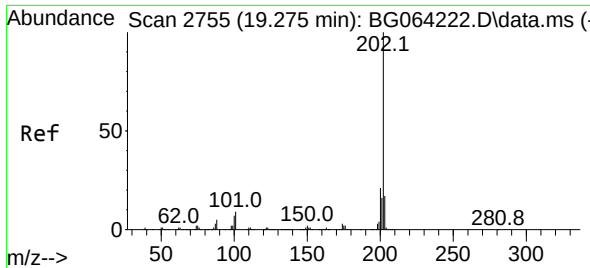
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025



#74
Di-n-butylphthalate
Concen: 46.064 ng
RT: 18.178 min Scan# 2568
Delta R.T. -0.016 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

Tgt Ion:149 Resp: 462477
Ion Ratio Lower Upper
149 100
150 9.2 7.5 11.3
104 7.5 4.6 7.0#





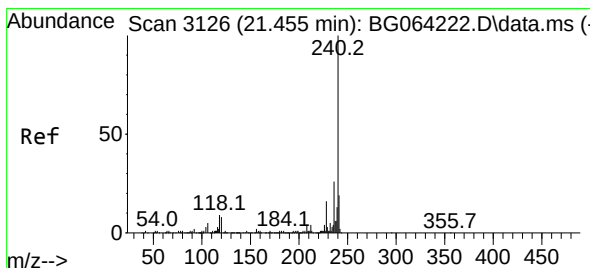
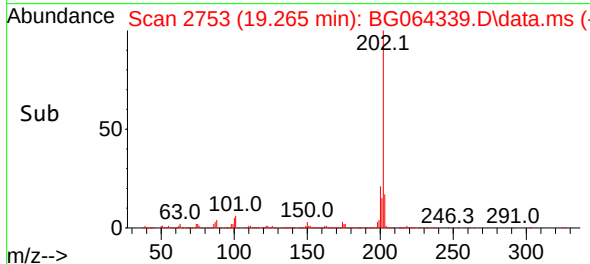
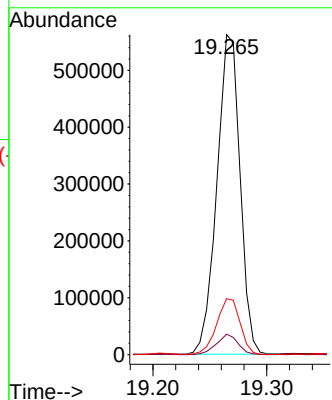
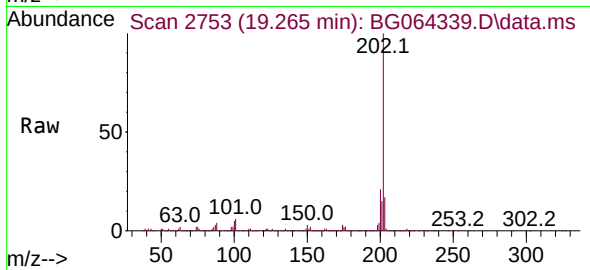
#75
Fluoranthene
Concen: 72.548 ng
RT: 19.265 min Scan# 21
Delta R.T. -0.011 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

Instrument :
BNA_G
ClientSampleId :
VNJ-258MSD

Tgt Ion:202 Resp: 795501
Ion Ratio Lower Upper
202 100
101 6.4 0.0 28.7
203 17.5 0.0 36.9

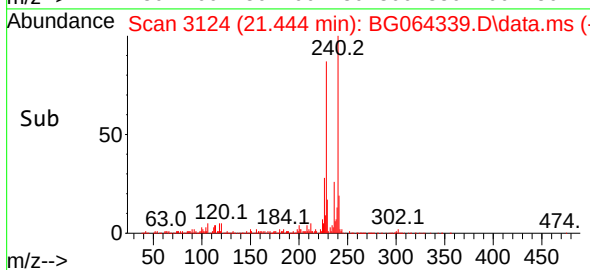
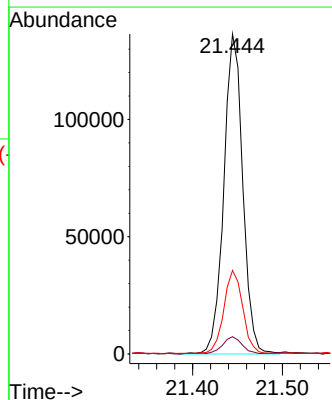
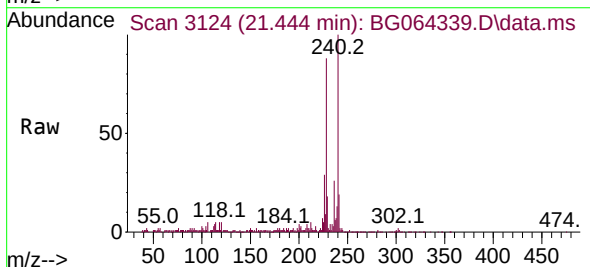
Manual Integrations
APPROVED

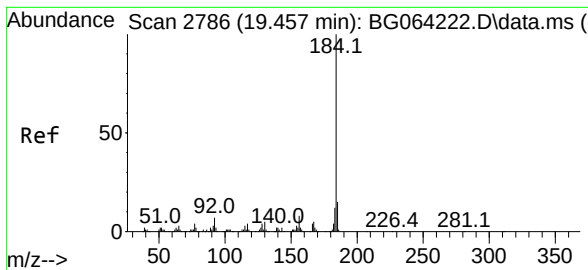
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.444 min Scan# 3124
Delta R.T. -0.011 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

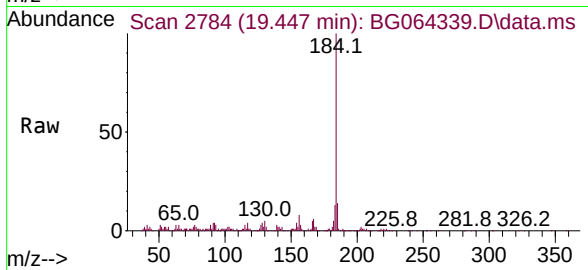
Tgt Ion:240 Resp: 199967
Ion Ratio Lower Upper
240 100
120 5.4 6.2 9.4#
236 26.1 20.5 30.7





#77
Benzidine
Concen: 32.545 ng
RT: 19.447 min Scan# 21
Delta R.T. -0.010 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

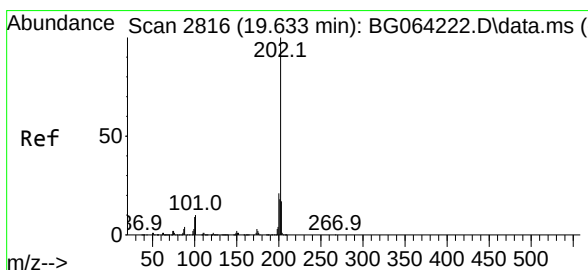
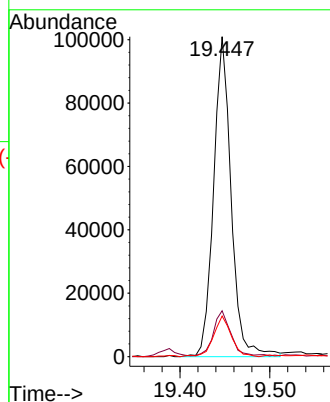
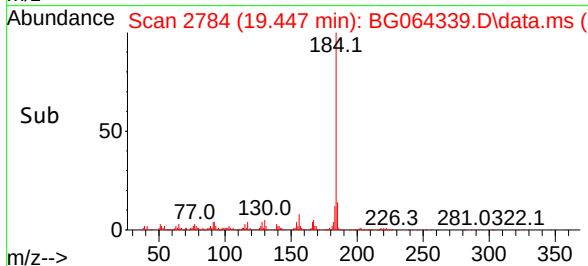
Instrument :
BNA_G
ClientSampleId :
VNJ-258MSD



Tgt Ion:184 Resp: 136905
Ion Ratio Lower Upper
184 100
185 14.3 11.7 17.5
183 12.7 9.7 14.5

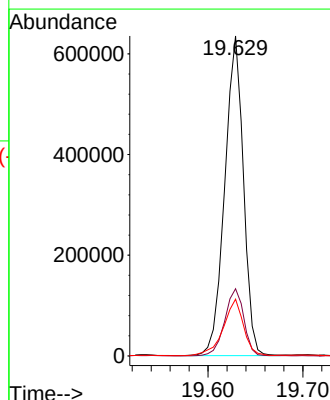
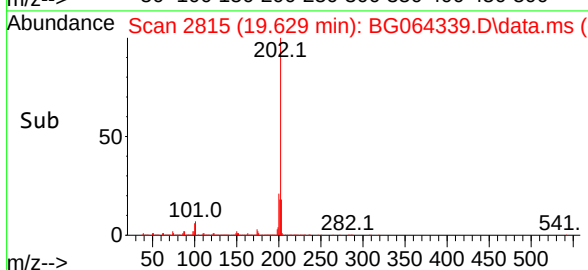
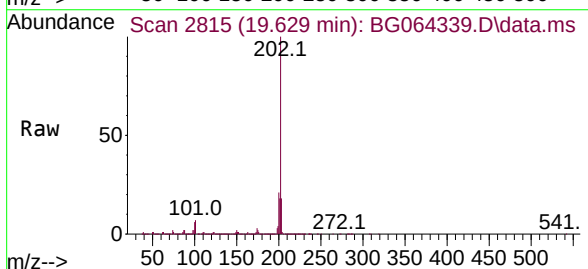
Manual Integrations
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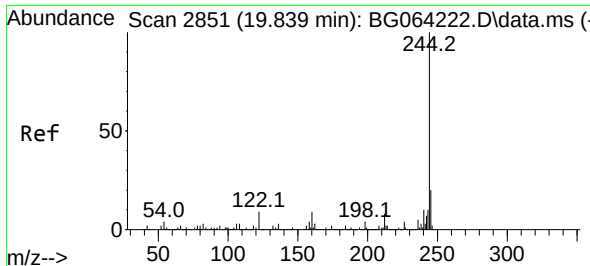
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025



#78
Pyrene
Concen: 68.979 ng
RT: 19.629 min Scan# 2815
Delta R.T. -0.010 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

Tgt Ion:202 Resp: 869007
Ion Ratio Lower Upper
202 100
200 21.0 16.9 25.3
203 17.7 13.8 20.8





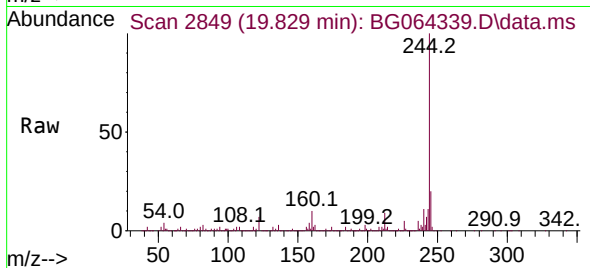
#79
 Terphenyl-d14
 Concen: 67.020 ng
 RT: 19.829 min Scan# 2851
 Delta R.T. -0.016 min
 Lab File: BG064339.D
 Acq: 10 Sep 2025 19:29

Instrument :

BNA_G

ClientSampleId :

VNJ-258MSD

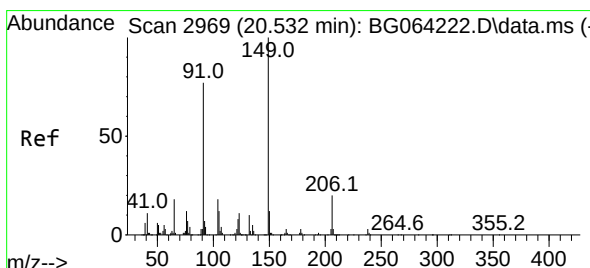
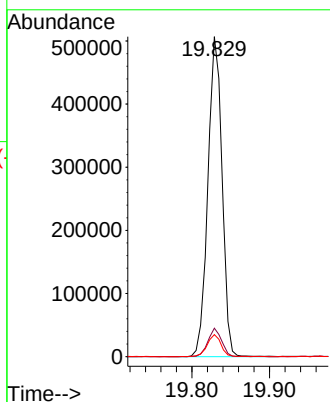
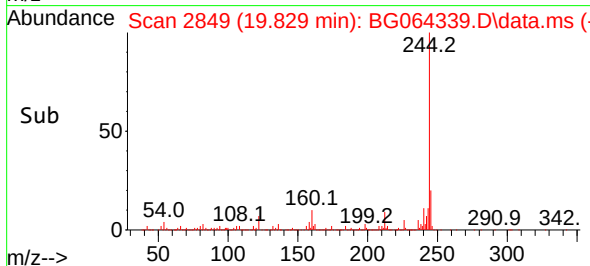


Tgt Ion:244 Resp: 642352
 Ion Ratio Lower Upper
 244 100
 212 8.9 6.6 10.0
 122 6.9 7.0 10.6

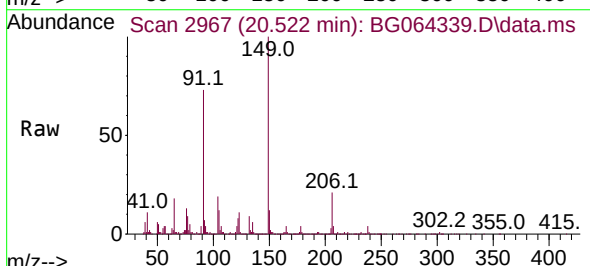
Manual Integrations

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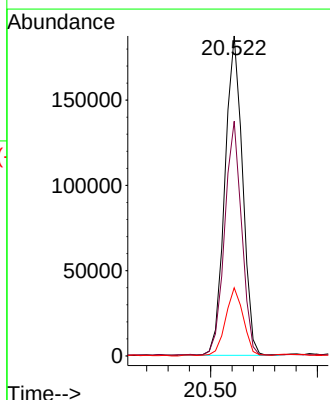
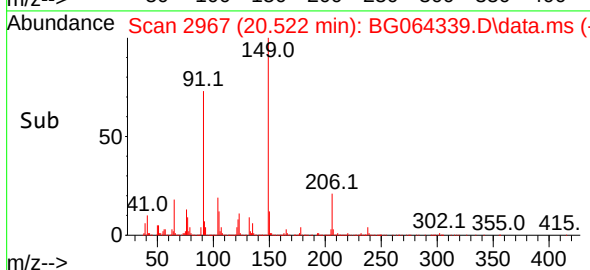
Reviewed By :Rahul Chavli 09/11/2025
 Supervised By :Jagrut Upadhyay 09/11/2025

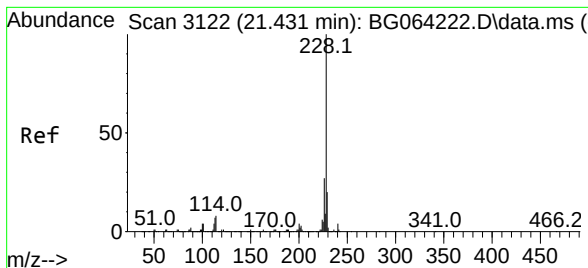


#80
 Butylbenzylphthalate
 Concen: 45.430 ng
 RT: 20.522 min Scan# 2967
 Delta R.T. -0.010 min
 Lab File: BG064339.D
 Acq: 10 Sep 2025 19:29



Tgt Ion:149 Resp: 215872
 Ion Ratio Lower Upper
 149 100
 91 73.3 61.4 92.0
 206 21.3 15.8 23.6





#81

Benzo(a)anthracene

Concen: 65.919 ng

RT: 21.427 min Scan# 31

Delta R.T. -0.011 min

Lab File: BG064339.D

Acq: 10 Sep 2025 19:29

Instrument :

BNA_G

ClientSampleId :

VNJ-258MSD

Tgt Ion:228 Resp: 843302

Ion Ratio Lower Upper

228 100

226 28.5 21.7 32.5

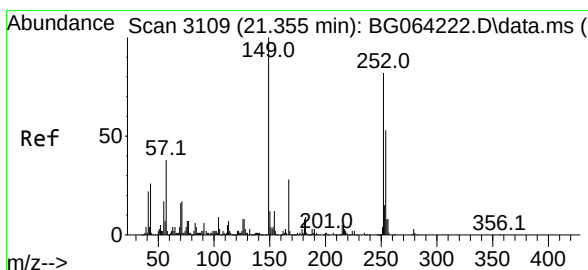
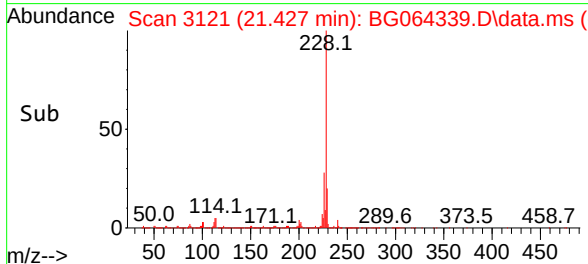
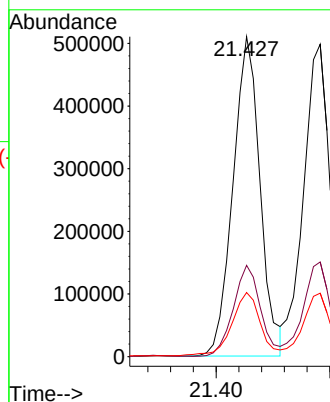
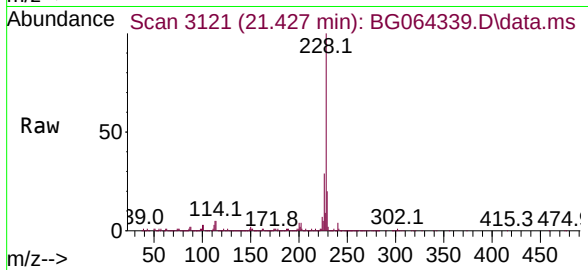
229 20.0 15.9 23.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/11/2025

Supervised By :Jagrut Upadhyay 09/11/2025



#82

3,3'-Dichlorobenzidine

Concen: 18.370 ng

RT: 21.345 min Scan# 3107

Delta R.T. -0.016 min

Lab File: BG064339.D

Acq: 10 Sep 2025 19:29

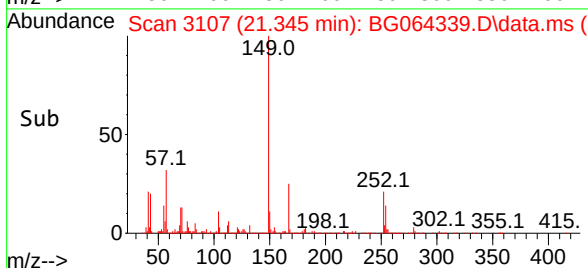
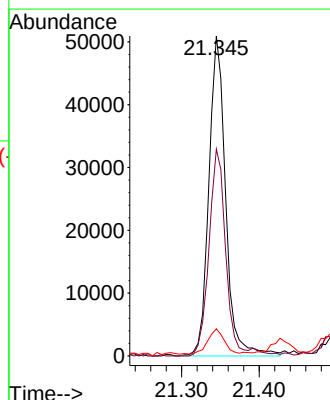
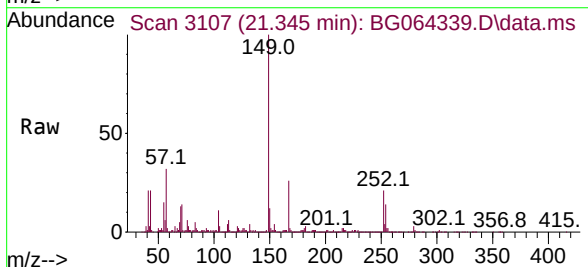
Tgt Ion:252 Resp: 76535

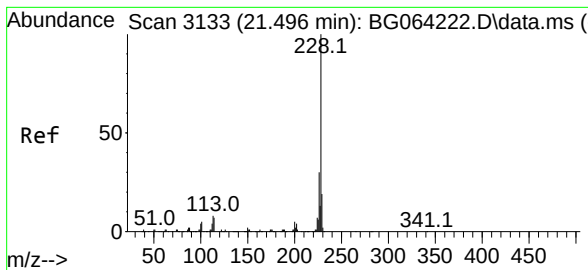
Ion Ratio Lower Upper

252 100

254 64.6 51.9 77.9

126 8.5 7.6 11.4





#83

Chrysene

Concen: 64.667 ng

RT: 21.491 min Scan# 31

Delta R.T. -0.011 min

Lab File: BG064339.D

Acq: 10 Sep 2025 19:29

Instrument :

BNA_G

ClientSampleId :

VNJ-258MSD

Tgt Ion:228 Resp: 794225

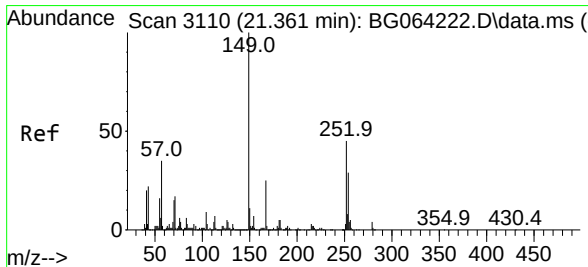
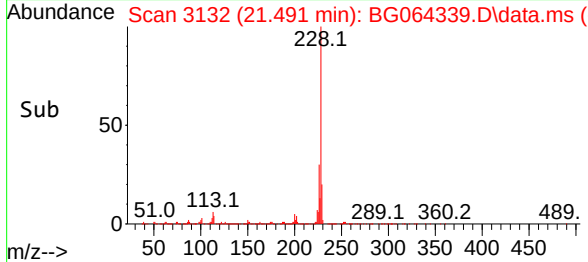
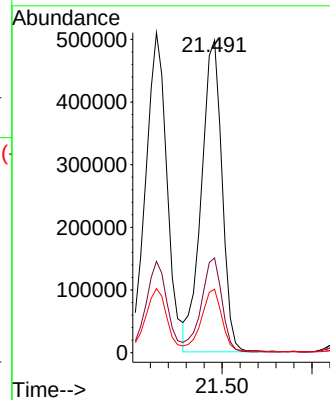
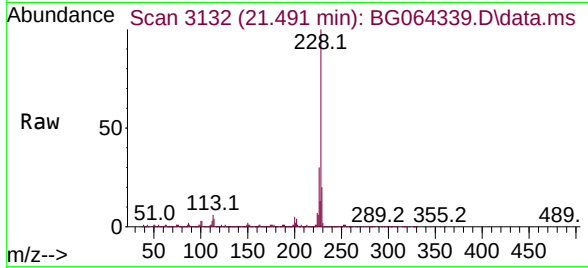
Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.2	36.2
229	20.3	15.4	23.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/11/2025

Supervised By :Jagrut Upadhyay 09/11/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 46.480 ng

RT: 21.350 min Scan# 3108

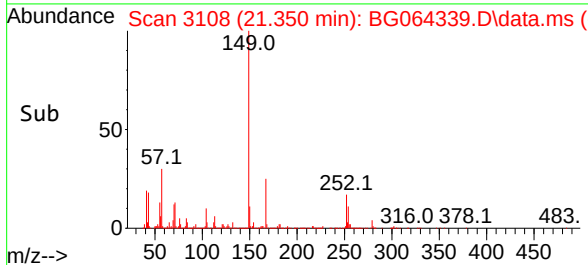
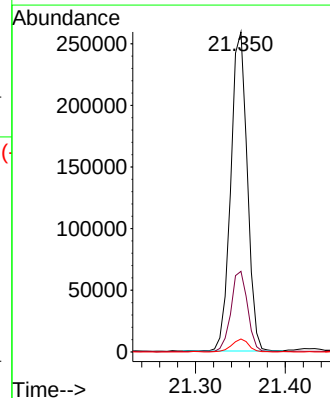
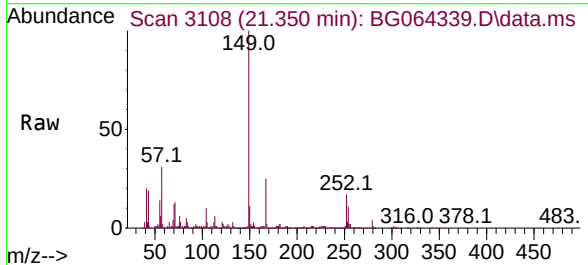
Delta R.T. -0.016 min

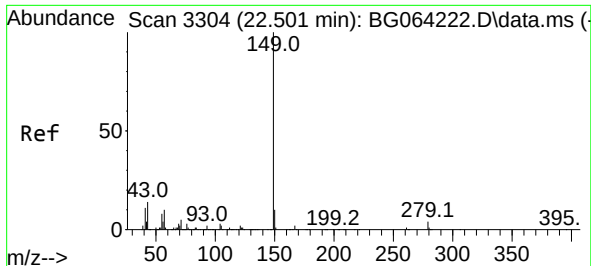
Lab File: BG064339.D

Acq: 10 Sep 2025 19:29

Tgt Ion:149 Resp: 331590

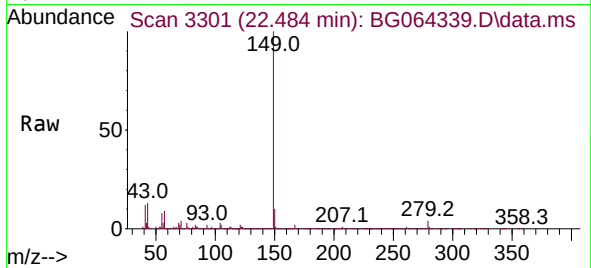
Ion	Ratio	Lower	Upper
149	100		
167	25.2	20.0	30.0
279	4.0	3.0	4.4





#85
Di-n-octyl phthalate
Concen: 44.327 ng
RT: 22.484 min Scan# 3304
Delta R.T. -0.022 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

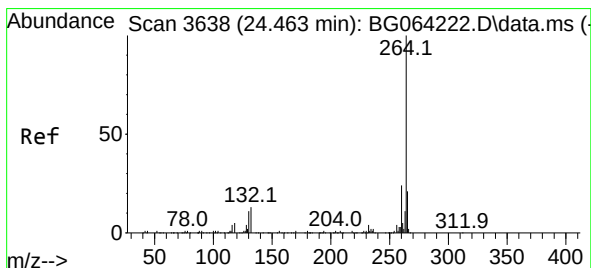
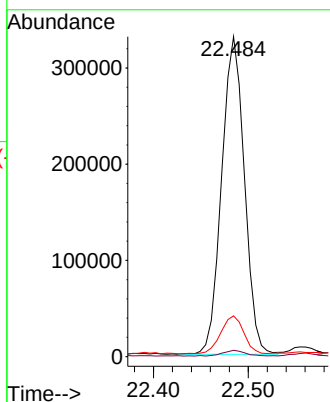
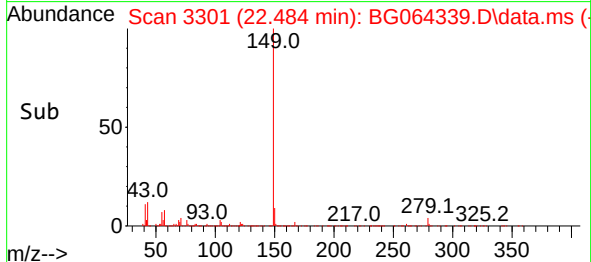
Instrument :
BNA_G
ClientSampleId :
VNJ-258MSD



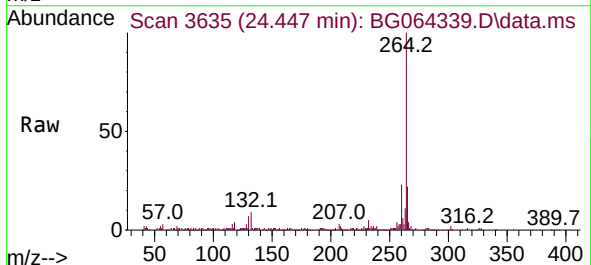
Tgt Ion:149 Resp: 551005
Ion Ratio Lower Upper
149 100
167 2.0 1.3 1.9
43 12.3 10.8 16.2

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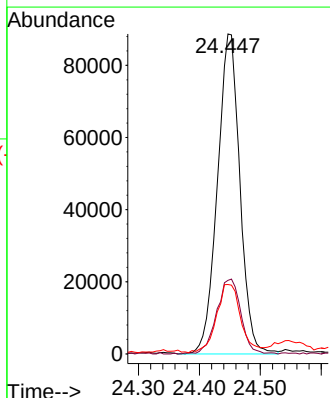
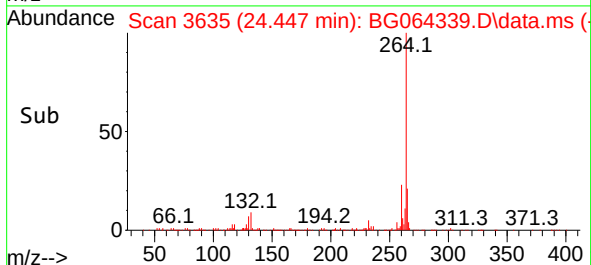
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025

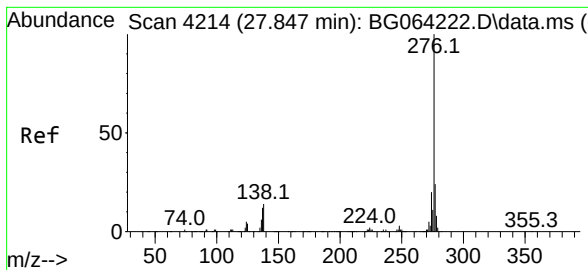


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.447 min Scan# 3635
Delta R.T. -0.016 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29



Tgt Ion:264 Resp: 227543
Ion Ratio Lower Upper
264 100
260 23.0 18.9 28.3
265 21.7 16.7 25.1





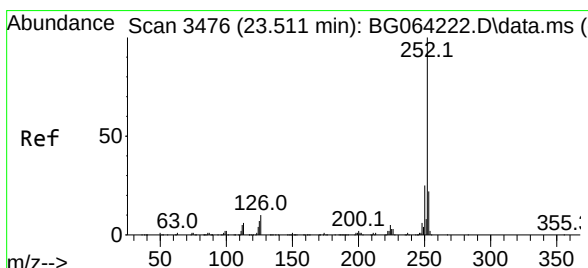
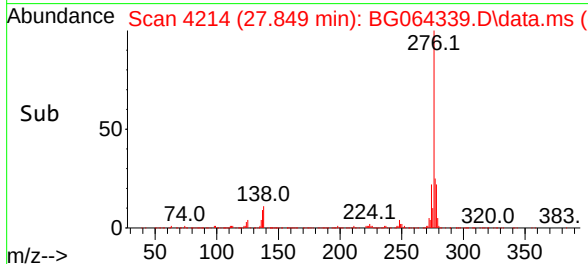
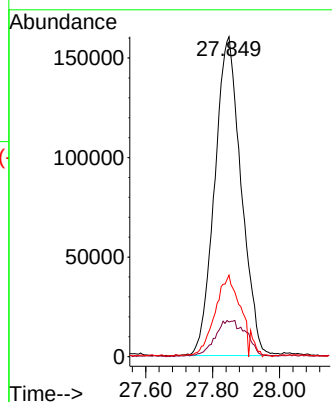
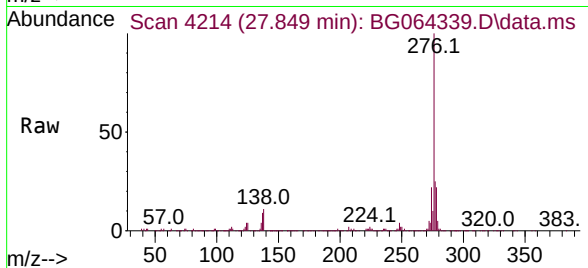
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 56.684 ng
 RT: 27.849 min Scan# 41
 Delta R.T. -0.022 min
 Lab File: BG064339.D
 Acq: 10 Sep 2025 19:29

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-258MSD

Tgt Ion:276 Resp: 880822
 Ion Ratio Lower Upper
 276 100
 138 13.3 7.4 11.0
 277 24.0 20.5 30.7

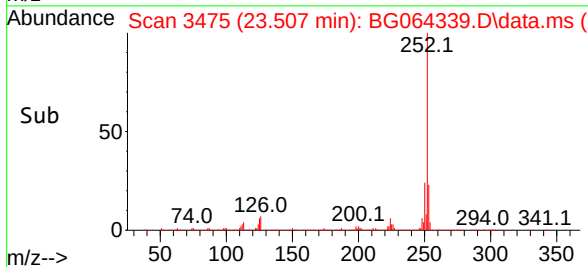
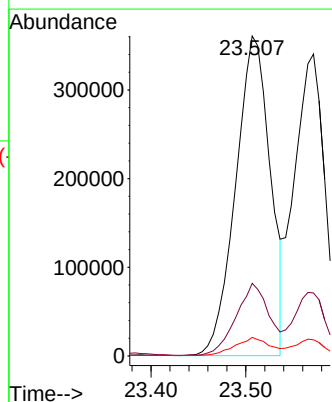
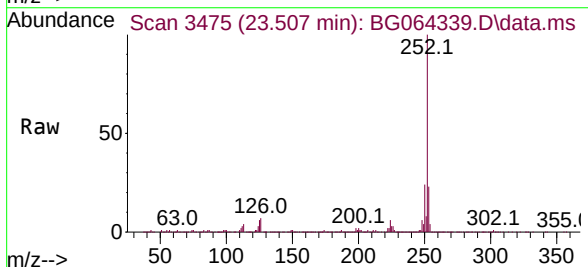
Manual Integrations
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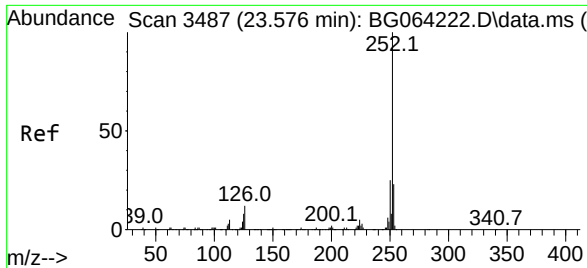
Reviewed By :Rahul Chavli 09/11/2025
 Supervised By :Jagrut Upadhyay 09/11/2025



#88
 Benzo(b)fluoranthene
 Concen: 71.167 ng
 RT: 23.507 min Scan# 3475
 Delta R.T. -0.011 min
 Lab File: BG064339.D
 Acq: 10 Sep 2025 19:29

Tgt Ion:252 Resp: 913940
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.5 26.3
 125 5.8 5.9 8.9





#89
Benzo(k)fluoranthene
Concen: 57.718 ng
RT: 23.571 min Scan# 3487
Delta R.T. -0.016 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

Instrument :

BNA_G

ClientSampleId :

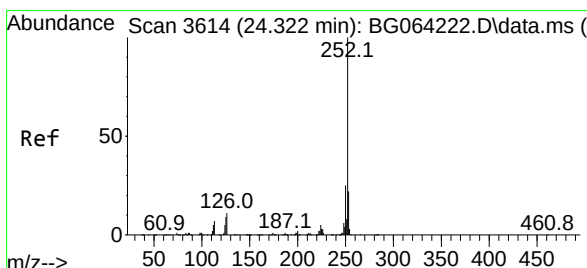
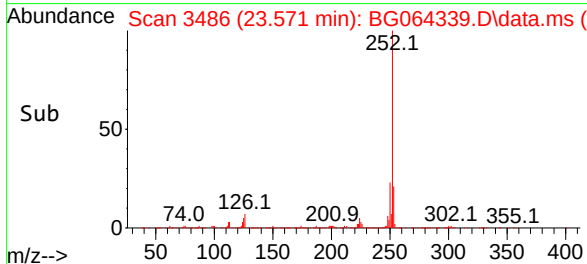
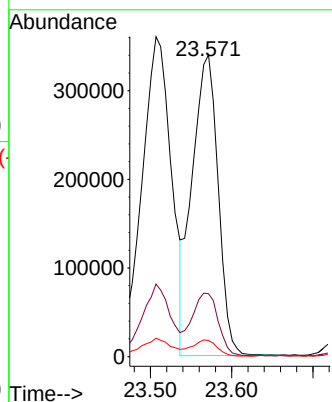
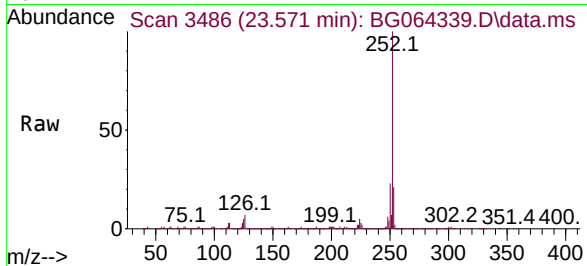
VNJ-258MSD

Tgt Ion:252 Resp: 755138
Ion Ratio Lower Upper
252 100
253 20.9 18.2 27.4
125 5.3 7.0 10.4

Manual Integrations

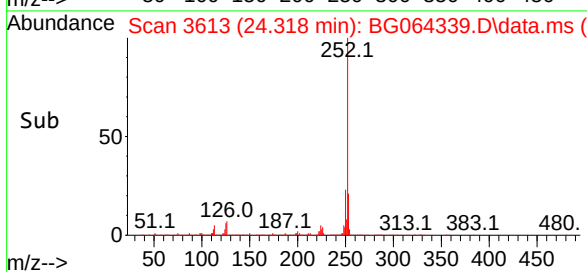
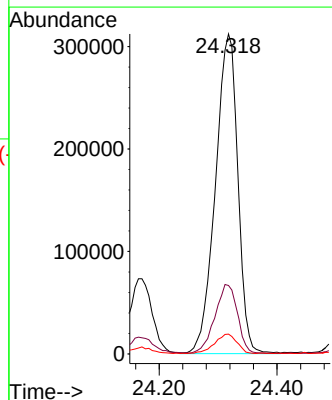
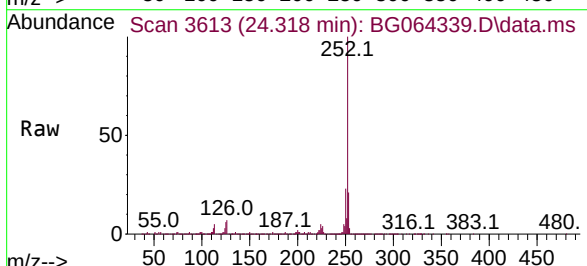
APPROVED

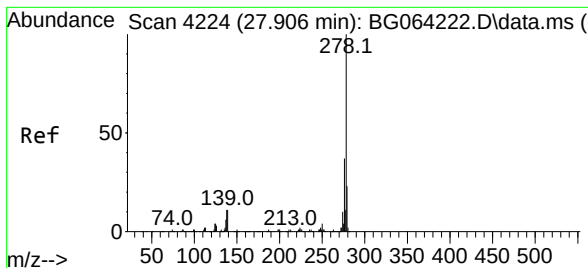
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025



#90
Benzo(a)pyrene
Concen: 69.186 ng m
RT: 24.318 min Scan# 3613
Delta R.T. -0.010 min
Lab File: BG064339.D
Acq: 10 Sep 2025 19:29

Tgt Ion:252 Resp: 826507
Ion Ratio Lower Upper
252 100
253 21.4 17.4 26.2
125 6.2 7.0 10.6





#91

Dibenzo(a,h)anthracene

Concen: 50.807 ng

RT: 27.896 min Scan# 4222

Delta R.T. -0.028 min

Lab File: BG064339.D

Acq: 10 Sep 2025 19:29

Instrument :

BNA_G

ClientSampleId :

VNJ-258MSD

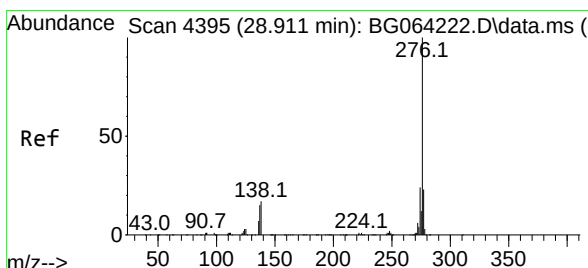
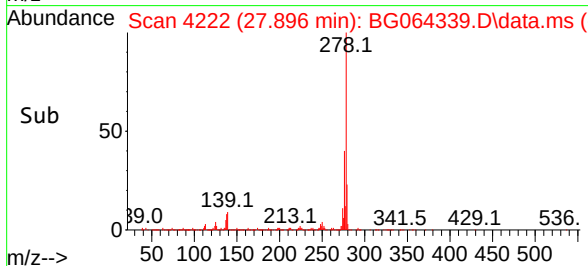
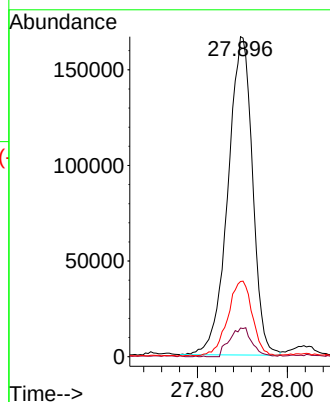
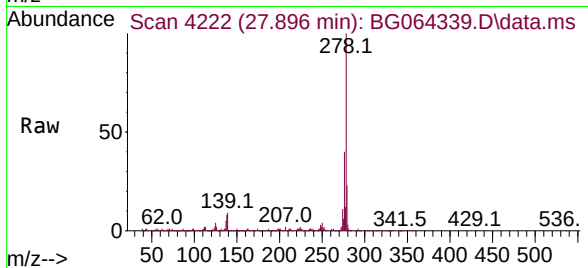
Tgt Ion:278 Resp: 633899
 Ion Ratio Lower Upper
 278 100
 139 8.9 9.0 13.4
 279 23.5 18.8 28.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/11/2025

Supervised By :Jagrut Upadhyay 09/11/2025



#92

Benzo(g,h,i)perylene

Concen: 60.291 ng

RT: 28.912 min Scan# 4395

Delta R.T. -0.022 min

Lab File: BG064339.D

Acq: 10 Sep 2025 19:29

Tgt Ion:276 Resp: 731962
 Ion Ratio Lower Upper
 276 100
 277 23.5 18.2 27.4
 138 11.8 13.3 19.9

