

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
 Data File : BG064628.D
 Acq On : 29 Oct 2025 18:15
 Operator : RC/JU
 Sample : Q3419-03MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PR-132-S16-015094-20251021MSD

Quant Time: Nov 04 06:47:55 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 03 18:16:26 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
 Supervised By :mohammad ahmed 11/05/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.214	152	31803	20.000	ng	0.00
21) Naphthalene-d8	11.040	136	124534	20.000	ng	0.00
39) Acenaphthene-d10	14.842	164	94989	20.000	ng	0.00
64) Phenanthrene-d10	17.580	188	230638	20.000	ng	0.00
76) Chrysene-d12	21.851	240	282250	20.000	ng	0.00
86) Perylene-d12	25.189	264	308600	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.747	112	176100	92.942	ng	0.00
7) Phenol-d6	7.351	99	240854	92.637	ng	0.00
23) Nitrobenzene-d5	9.378	82	155218	74.861	ng	0.00
42) 2,4,6-Tribromophenol	16.317	330	162190	118.302	ng	0.00
45) 2-Fluorobiphenyl	13.467	172	366213	58.437	ng	0.00
79) Terphenyl-d14	20.165	244	853453	57.063	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.579	88	31292	37.303	ng	94
3) Pyridine	3.990	79	91183	36.197	ng	99
4) n-Nitrosodimethylamine	3.896	42	64553	47.785	ng	95
6) Aniline	7.527	93	107880	30.493	ng	98
8) 2-Chlorophenol	7.774	128	98657	49.746	ng	100
9) Benzaldehyde	7.339	77	47639	33.562	ng	94
10) Phenol	7.380	94	134929	46.926	ng	97
11) bis(2-Chloroethyl)ether	7.621	93	90025	42.585	ng	95
12) 1,3-Dichlorobenzene	8.109	146	105133	46.058	ng	95
13) 1,4-Dichlorobenzene	8.250	146	106063	45.698	ng	95
14) 1,2-Dichlorobenzene	8.573	146	107759	48.136	ng	98
15) Benzyl Alcohol	8.444	79	100962	47.091	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.743	45	240700	43.406	ng	99
17) 2-Methylphenol	8.649	107	91314	47.832	ng	99
18) Hexachloroethane	9.319	117	40307	49.488	ng	96
19) n-Nitroso-di-n-propyla...	9.019	70	80697	44.910	ng	98
20) 3+4-Methylphenols	8.972	107	125897	46.893	ng	98
22) Acetophenone	9.037	105	172795	50.758	ng	# 96
24) Nitrobenzene	9.425	77	122938	54.514	ng	99
25) Isophorone	9.954	82	230244	46.278	ng	100
26) 2-Nitrophenol	10.142	139	54798	62.001	ng	# 90
27) 2,4-Dimethylphenol	10.194	122	102164	55.204	ng	95
28) bis(2-Chloroethoxy)met...	10.429	93	131967	46.587	ng	99
29) 2,4-Dichlorophenol	10.676	162	105842	53.143	ng	99
30) 1,2,4-Trichlorobenzene	10.899	180	119635	52.868	ng	97
31) Naphthalene	11.093	128	325077	47.081	ng	99
32) Benzoic acid	10.318	122	89736	61.183	ng	92
33) 4-Chloroaniline	11.187	127	54442	20.286	ng	96
34) Hexachlorobutadiene	11.387	225	89857	50.775	ng	98
35) Caprolactam	11.945	113	35512m	46.489	ng	
36) 4-Chloro-3-methylphenol	12.292	107	122597	51.210	ng	98
37) 2-Methylnaphthalene	12.686	142	219604	43.321	ng	98
38) 1-Methylnaphthalene	12.903	142	228542	45.541	ng	96
40) 1,2,4,5-Tetrachloroben...	13.050	216	178313	55.934	ng	99
41) Hexachlorocyclopentadiene	13.032	237	208614	145.386	ng	98
43) 2,4,6-Trichlorophenol	13.279	196	103636	56.833	ng	97

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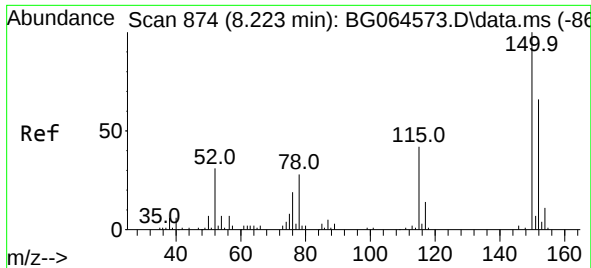
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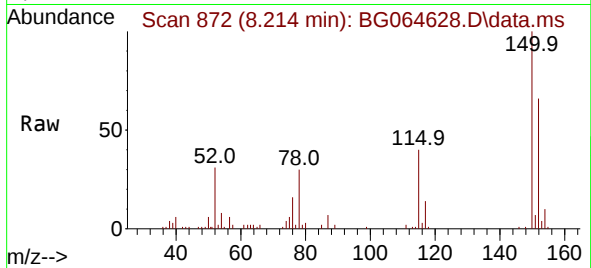
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.344	196	115660	54.963	ng	96
46) 1,1'-Biphenyl	13.679	154	365386	54.107	ng	97
47) 2-Chloronaphthalene	13.726	162	249530	48.952	ng	98
48) 2-Nitroaniline	13.908	65	93564	54.228	ng	94
49) Acenaphthylene	14.566	152	439745	54.693	ng	99
50) Dimethylphthalate	14.284	163	347153	47.761	ng	99
51) 2,6-Dinitrotoluene	14.395	165	70596	58.141	ng	99
52) Acenaphthene	14.907	154	301997	54.976	ng	98
53) 3-Nitroaniline	14.724	138	48285	38.655	ng	96
54) 2,4-Dinitrophenol	14.930	184	96369	127.399	ng	# 39
55) Dibenzofuran	15.236	168	423783	47.718	ng	97
56) 4-Nitrophenol	15.018	139	131383	113.444	ng	91
57) 2,4-Dinitrotoluene	15.183	165	102203	54.664	ng	# 97
58) Fluorene	15.882	166	334548	48.236	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.453	232	117236	58.261	ng	99
60) Diethylphthalate	15.641	149	350180	47.184	ng	99
61) 4-Chlorophenyl-phenyle...	15.870	204	189500	48.686	ng	98
62) 4-Nitroaniline	15.888	138	78479	56.473	ng	95
63) Azobenzene	16.164	77	349461	51.319	ng	99
65) 4,6-Dinitro-2-methylph...	15.941	198	67333	64.272	ng	91
66) n-Nitrosodiphenylamine	16.082	169	311250	49.959	ng	98
67) 4-Bromophenyl-phenylether	16.763	248	136215	49.838	ng	98
68) Hexachlorobenzene	16.887	284	156412	50.163	ng	99
69) Atrazine	17.022	200	143329	53.460	ng	97
70) Pentachlorophenol	17.221	266	215900	111.038	ng	96
71) Phenanthrene	17.621	178	614558	48.725	ng	99
72) Anthracene	17.709	178	618291	48.191	ng	100
73) Carbazole	17.968	167	555268	49.079	ng	99
74) Di-n-butylphthalate	18.526	149	660445	50.481	ng	99
75) Fluoranthene	19.613	202	798695	50.549	ng	98
77) Benzidine	19.777	184	266267	42.107	ng	99
78) Pyrene	19.971	202	826087	44.797	ng	99
80) Butylbenzylphthalate	20.852	149	307248	55.127	ng	95
81) Benzo(a)anthracene	21.834	228	915839	48.937	ng	99
82) 3,3'-Dichlorobenzidine	21.734	252	172028	27.527	ng	99
83) Chrysene	21.904	228	856872	48.119	ng	98
84) Bis(2-ethylhexyl)phtha...	21.740	149	456370	54.799	ng	99
85) Di-n-octyl phthalate	22.997	149	762527	54.307	ng	99
87) Indeno(1,2,3-cd)pyrene	29.031	276	1124787	49.546	ng	# 97
88) Benzo(b)fluoranthene	24.131	252	922791	48.765	ng	99
89) Benzo(k)fluoranthene	24.202	252	941575	49.723	ng	98
90) Benzo(a)pyrene	25.036	252	881844	50.697	ng	99
91) Dibenzo(a,h)anthracene	29.102	278	919177	49.838	ng	97
92) Benzo(g,h,i)perylene	30.230	276	894509	50.771	ng	99

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.214 min Scan# 81
Delta R.T. -0.009 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

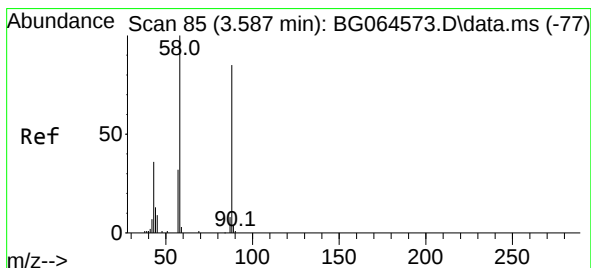
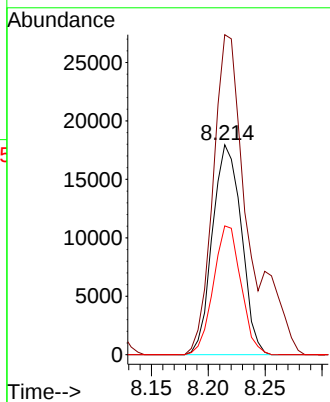
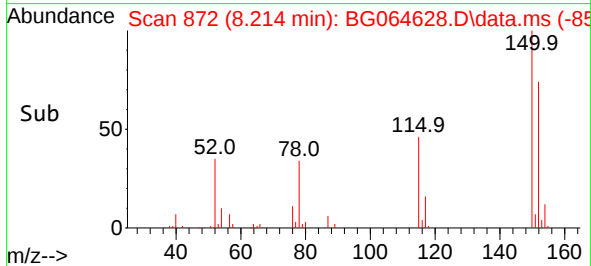
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD



Tgt Ion:152 Resp: 3180
Ion Ratio Lower Upper
152 100
150 152.5 122.2 183.4
115 61.4 50.8 76.2

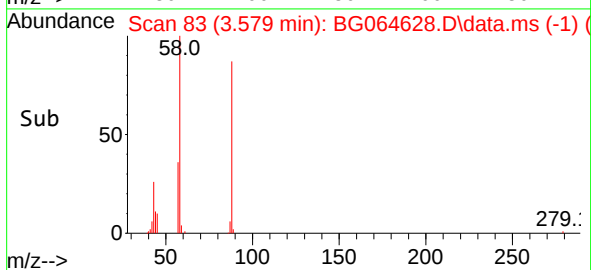
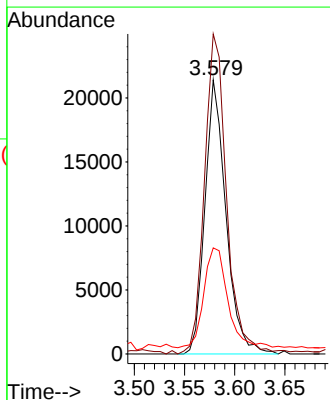
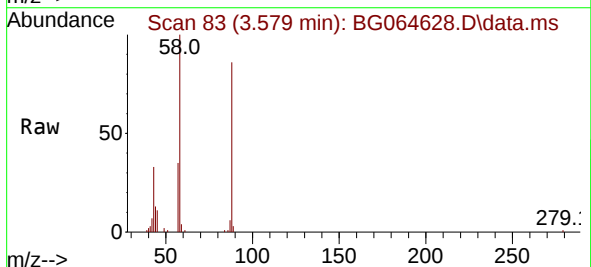
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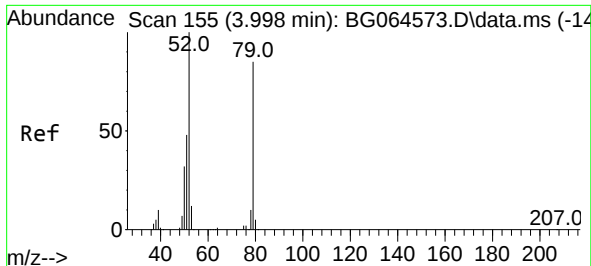
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#2
1,4-Dioxane
Concen: 37.303 ng
RT: 3.579 min Scan# 83
Delta R.T. -0.008 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

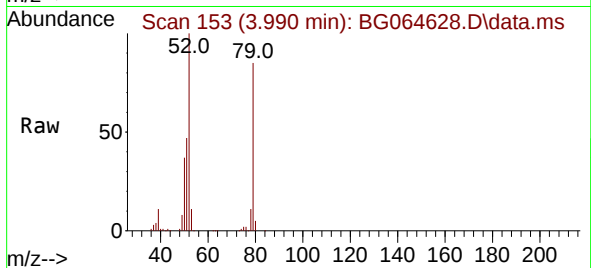
Tgt Ion: 88 Resp: 31292
Ion Ratio Lower Upper
88 100
58 123.9 92.4 138.6
43 41.9 33.0 49.6





#3
Pyridine
Concen: 36.197 ng
RT: 3.990 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

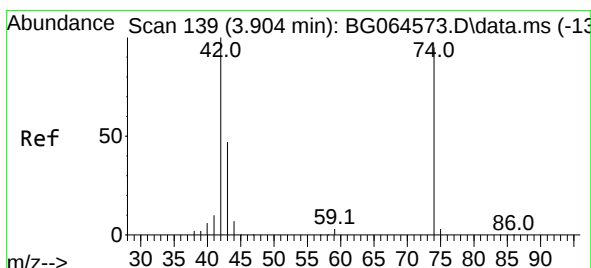
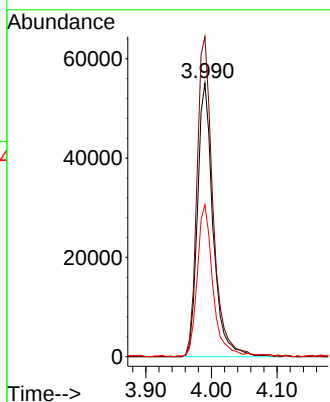
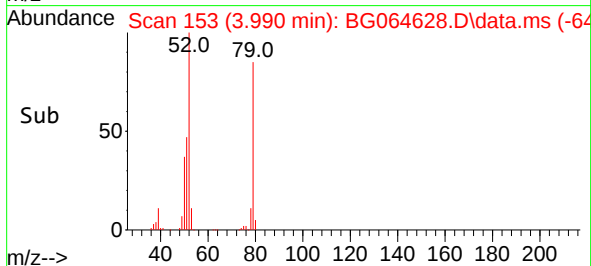
Instrument :
BNA_G
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PR-132-S16-015094-20251021MSD



Tgt Ion: 79 Resp: 9118
Ion Ratio Lower Upper
79 100
52 117.1 94.2 141.2
51 55.6 46.1 69.1

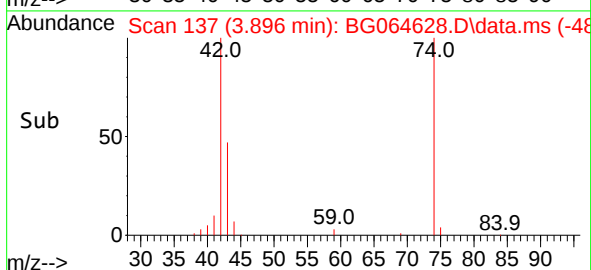
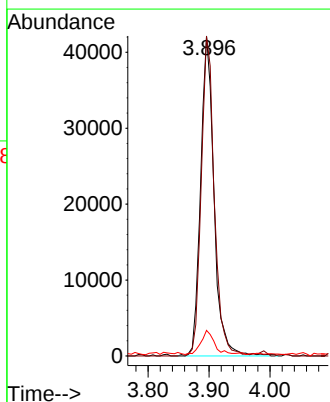
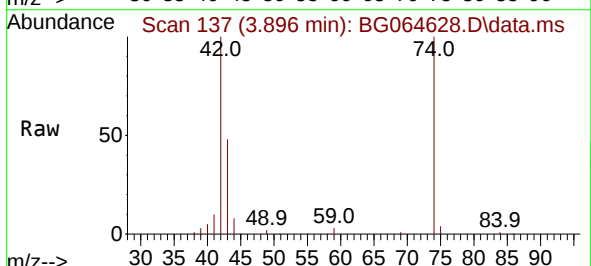
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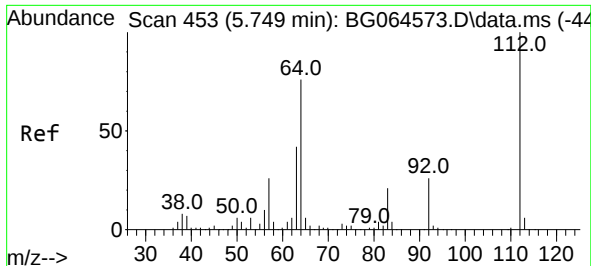
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#4
n-Nitrosodimethylamine
Concen: 47.785 ng
RT: 3.896 min Scan# 137
Delta R.T. -0.008 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

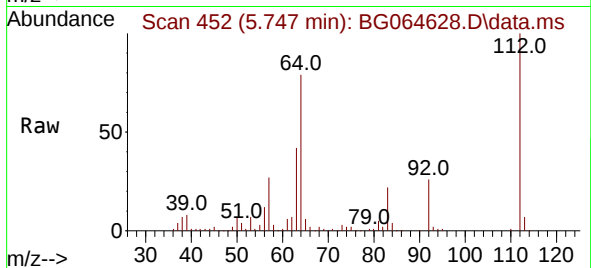
Tgt Ion: 42 Resp: 64553
Ion Ratio Lower Upper
42 100
74 99.8 76.1 114.1
44 8.0 6.3 9.5





#5
2-Fluorophenol
Concen: 92.942 ng
RT: 5.747 min Scan# 411
Delta R.T. -0.003 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

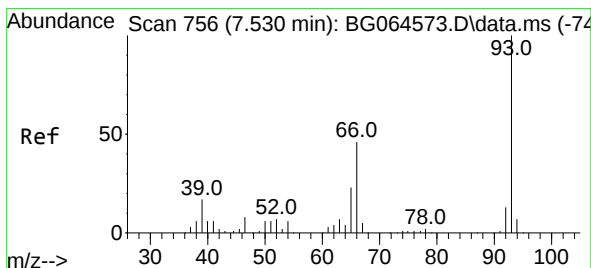
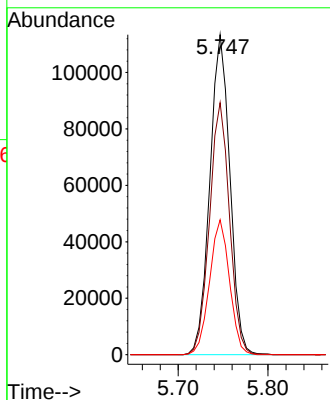
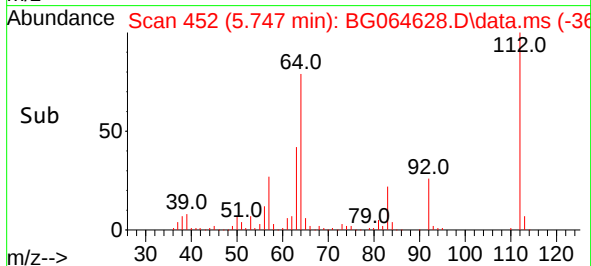
Instrument :
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Tgt Ion:112 Resp: 176100
Ion Ratio Lower Upper
112 100
64 78.8 60.7 91.1
63 42.2 33.4 50.0

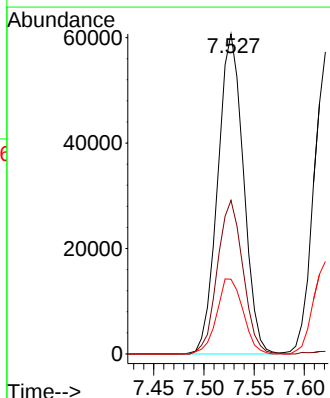
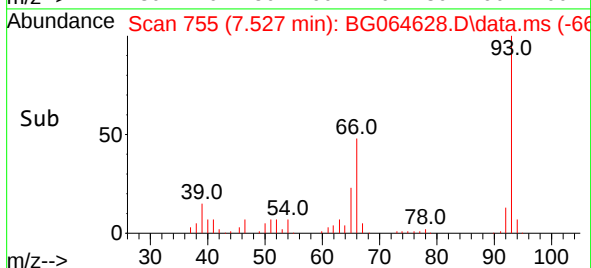
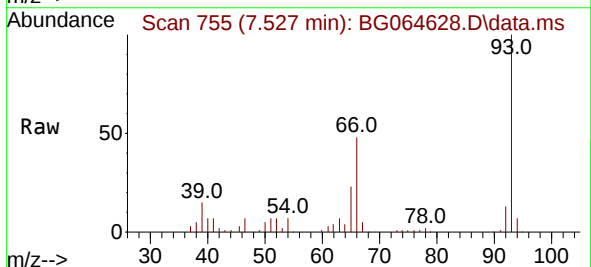
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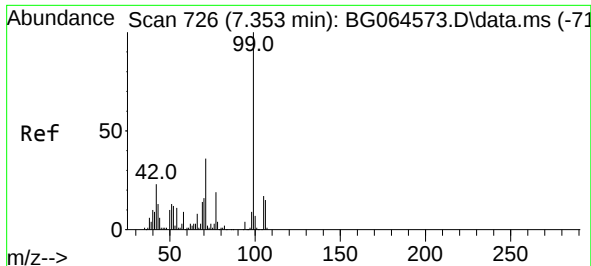
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#6
Aniline
Concen: 30.493 ng
RT: 7.527 min Scan# 755
Delta R.T. -0.003 min
Lab File: BG064628.D
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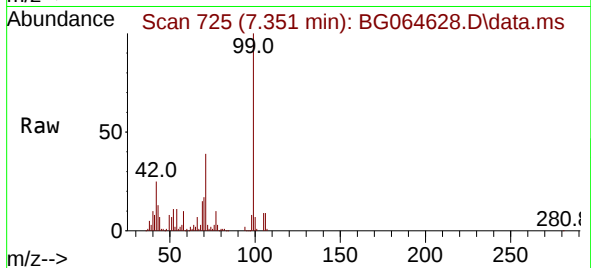
Tgt Ion: 93 Resp: 107880
Ion Ratio Lower Upper
93 100
66 48.0 37.0 55.6
65 23.4 18.3 27.5





#7
Phenol-d6
Concen: 92.637 ng
RT: 7.351 min Scan# 71
Delta R.T. -0.003 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

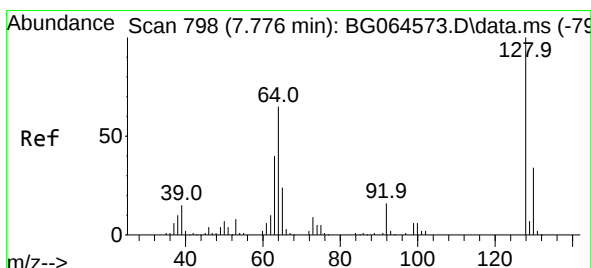
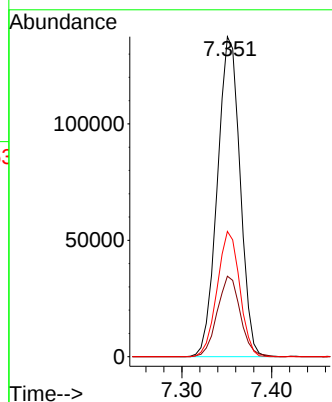
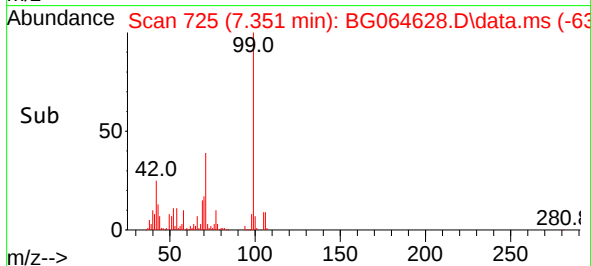
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BNA_G
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Tgt Ion: 99 Resp: 240854
Ion Ratio Lower Upper
99 100
42 25.2 18.3 27.5
71 39.1 28.6 43.0

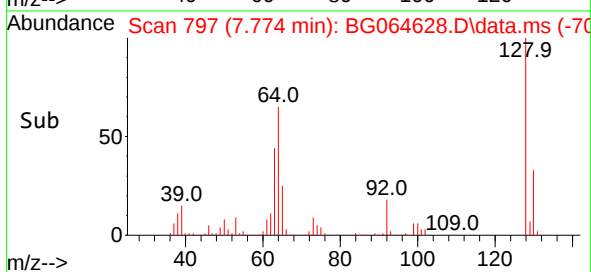
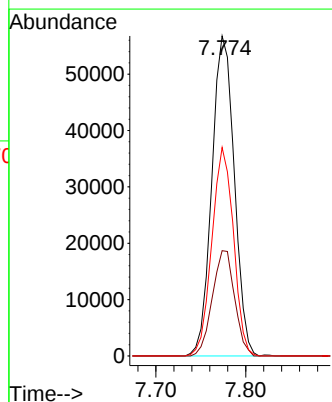
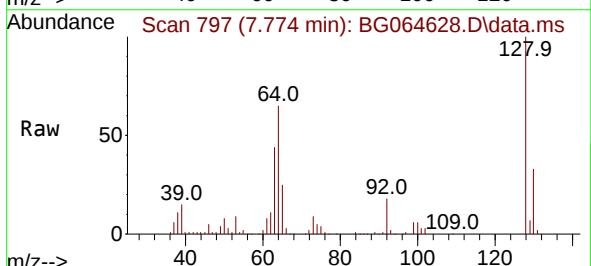
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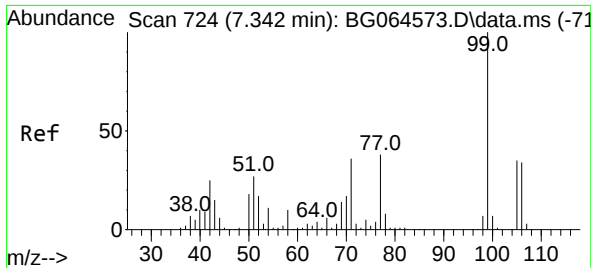
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#8
2-Chlorophenol
Concen: 49.746 ng
RT: 7.774 min Scan# 797
Delta R.T. -0.003 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:128 Resp: 98657
Ion Ratio Lower Upper
128 100
130 32.9 13.5 53.5
64 65.2 45.2 85.2





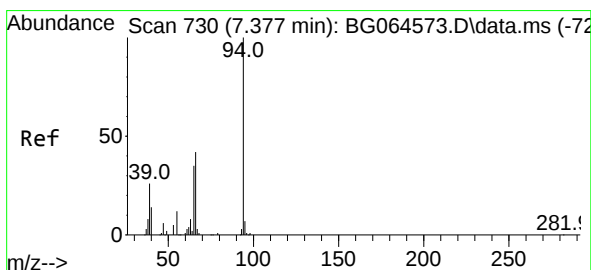
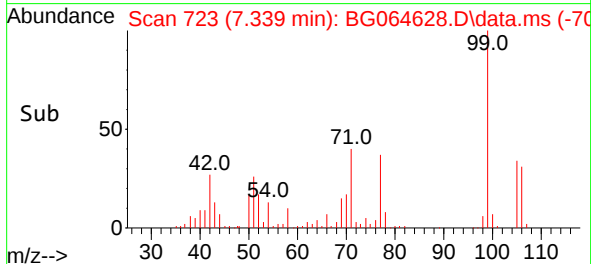
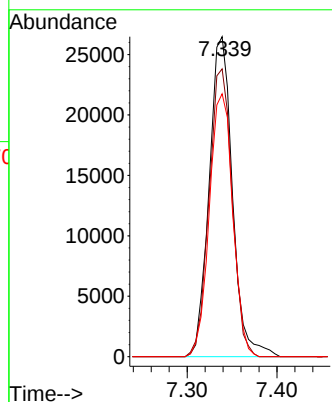
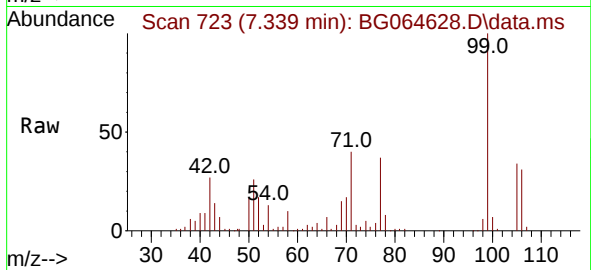
#9
Benzaldehyde
Concen: 33.562 ng
RT: 7.339 min Scan# 71
Delta R.T. -0.003 min
Lab File: BG064628.D
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Instrument :
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Tgt Ion: 77 Resp: 47639
Ion Ratio Lower Upper
77 100
105 90.0 72.9 112.9
106 82.1 70.8 110.8

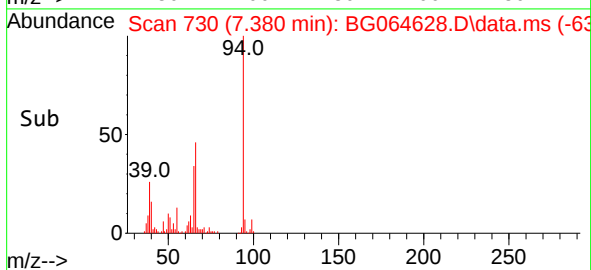
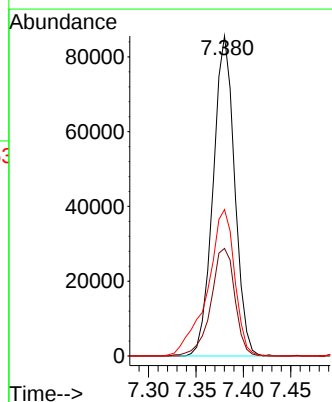
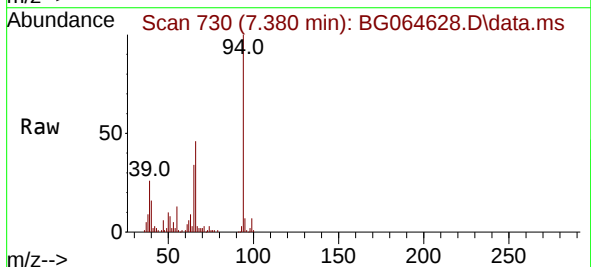
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#10
Phenol
Concen: 46.926 ng
RT: 7.380 min Scan# 730
Delta R.T. 0.003 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

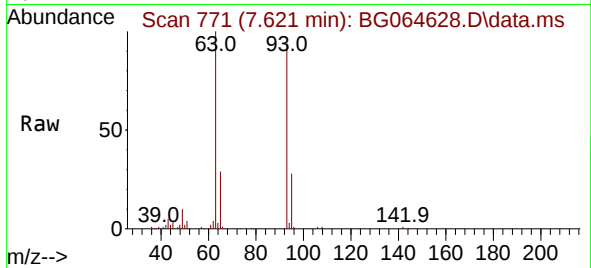
Tgt Ion: 94 Resp: 134929
Ion Ratio Lower Upper
94 100
65 33.6 15.8 55.8
66 45.7 24.0 64.0





#11
bis(2-Chloroethyl)ether
Concen: 42.585 ng
RT: 7.621 min Scan# 711
Delta R.T. -0.003 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

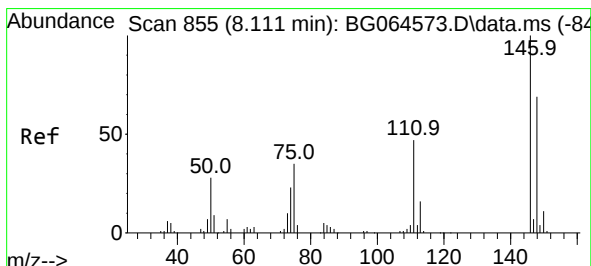
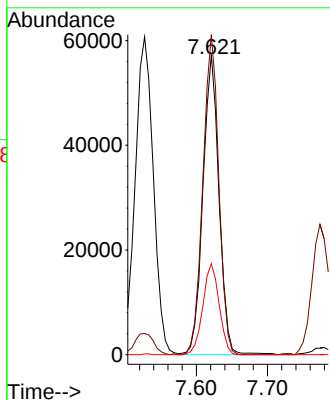
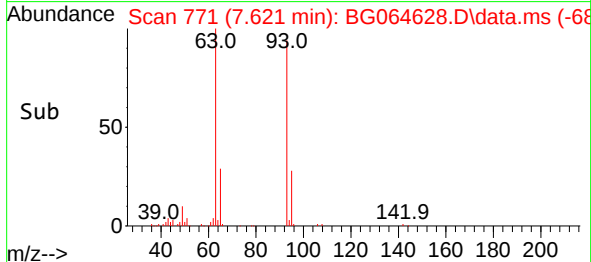
Instrument : BNA_G
ClientSampleId : PR-132-S16-015094-20251021MSD



Tgt Ion: 93 Resp: 90025
Ion Ratio Lower Upper
93 100
63 106.7 91.3 131.3
95 30.3 13.3 53.3

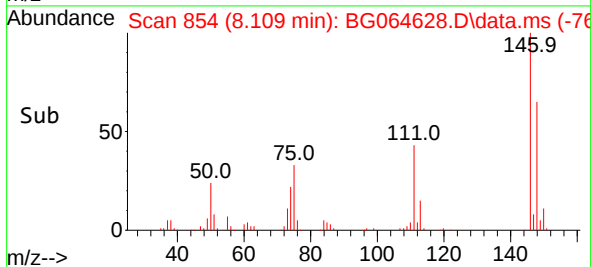
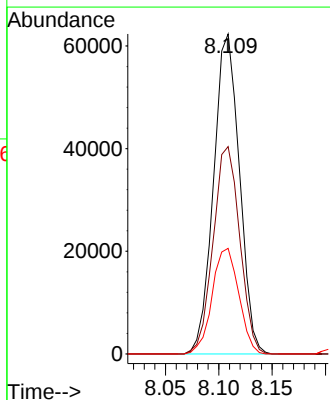
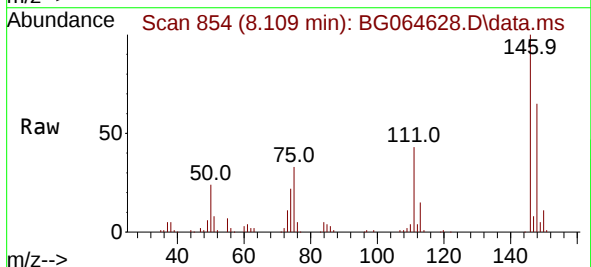
Manual Integrations
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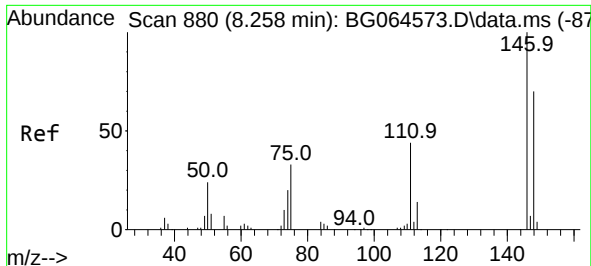
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#12
1,3-Dichlorobenzene
Concen: 46.058 ng
RT: 8.109 min Scan# 854
Delta R.T. -0.003 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

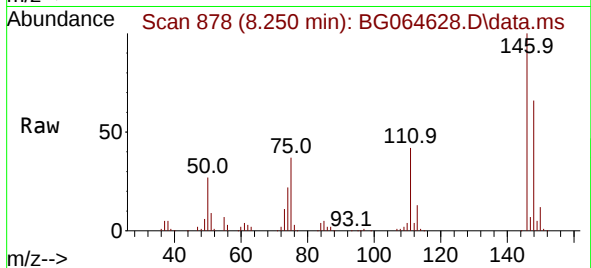
Tgt Ion:146 Resp: 105133
Ion Ratio Lower Upper
146 100
148 64.8 55.3 82.9
75 33.0 28.2 42.2





#13
1,4-Dichlorobenzene
Concen: 45.698 ng
RT: 8.250 min Scan# 81
Delta R.T. -0.008 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

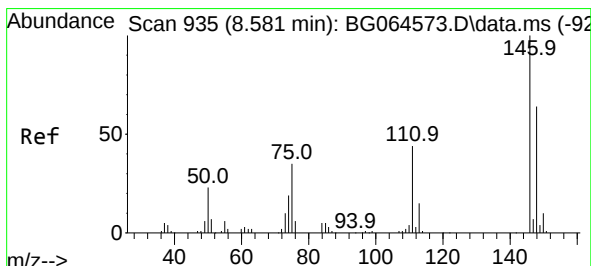
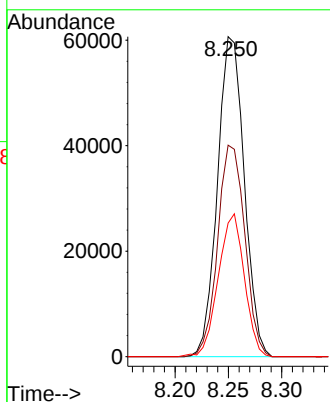
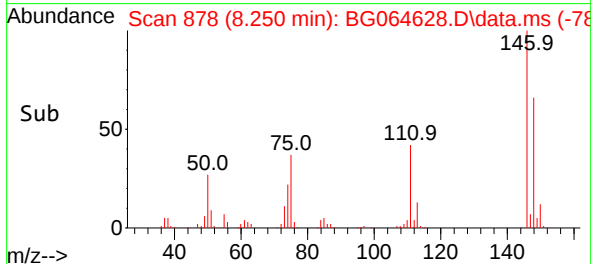
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD



Tgt Ion:146 Resp: 10606
Ion Ratio Lower Upper
146 100
148 66.1 56.2 84.4
111 41.8 35.4 53.0

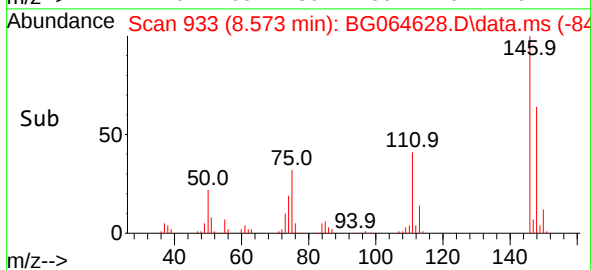
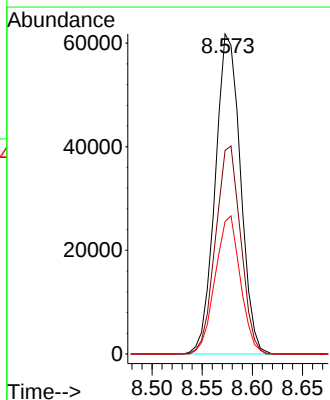
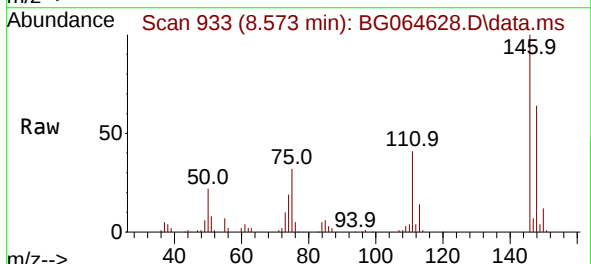
Manual Integrations
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Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#14
1,2-Dichlorobenzene
Concen: 48.136 ng
RT: 8.573 min Scan# 933
Delta R.T. -0.008 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

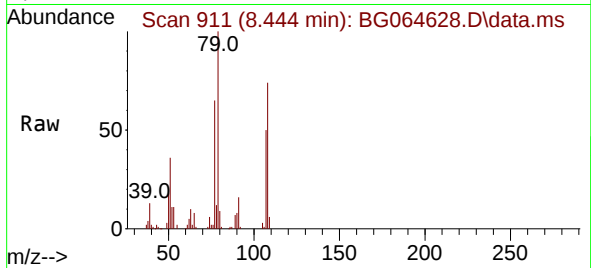
Tgt Ion:146 Resp: 107759
Ion Ratio Lower Upper
146 100
148 63.6 51.5 77.3
111 41.4 35.0 52.6





#15
Benzyl Alcohol
Concen: 47.091 ng
RT: 8.444 min Scan# 911
Delta R.T. -0.003 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

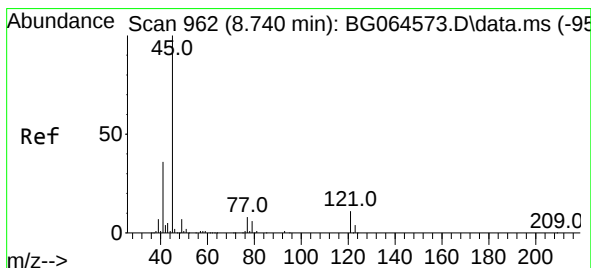
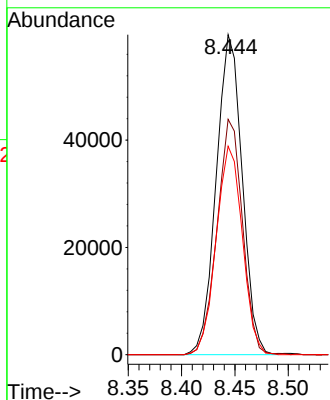
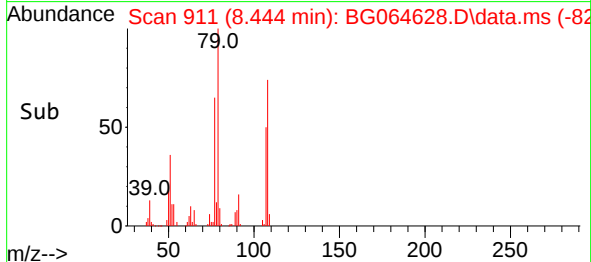
Instrument : BNA_G
ClientSampleId : PR-132-S16-015094-20251021MSD



Tgt Ion: 79 Resp: 100962
Ion Ratio Lower Upper
79 100
108 73.5 58.1 87.1
77 65.1 52.8 79.2

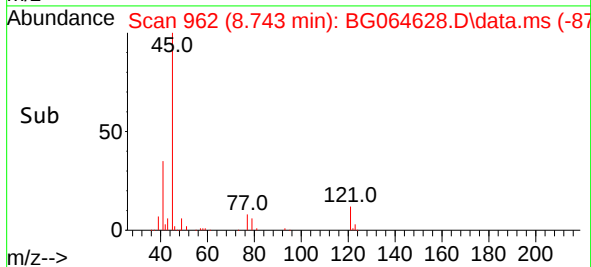
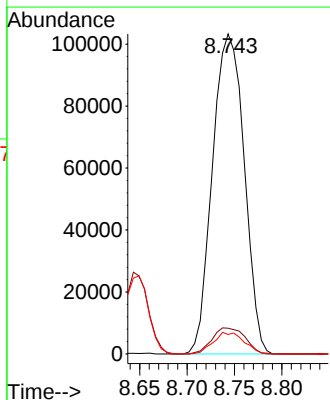
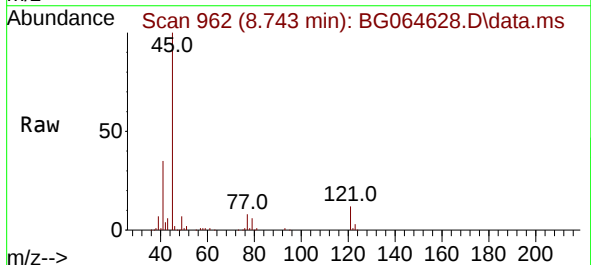
Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.406 ng
RT: 8.743 min Scan# 962
Delta R.T. 0.003 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

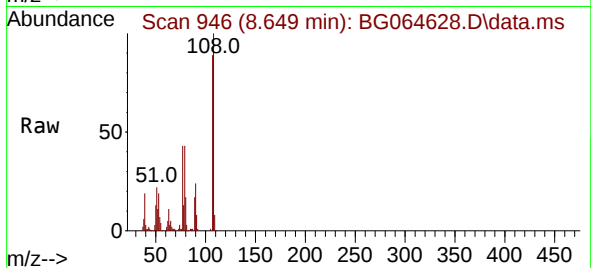
Tgt Ion: 45 Resp: 240700
Ion Ratio Lower Upper
45 100
77 8.1 0.0 28.5
79 6.1 0.0 25.6





#17
2-Methylphenol
Concen: 47.832 ng
RT: 8.649 min Scan# 947
Delta R.T. -0.003 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

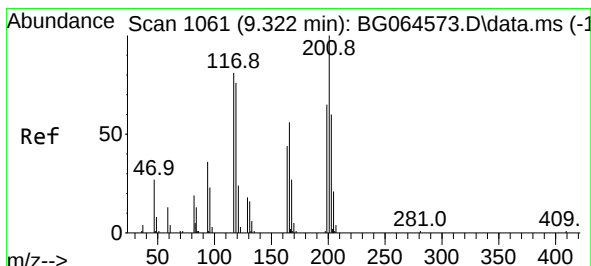
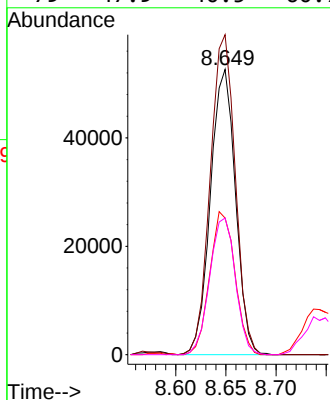
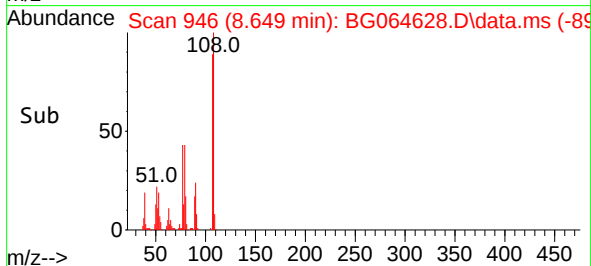
Instrument : BNA_G
ClientSampleId : PR-132-S16-015094-20251021MSD



Tgt Ion:	107	Resp:	91314
Ion	Ratio	Lower	Upper
107	100		
108	112.2	90.0	135.0
77	47.9	37.8	56.8
79	47.9	40.5	60.7

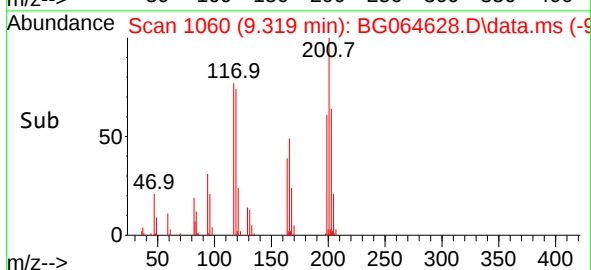
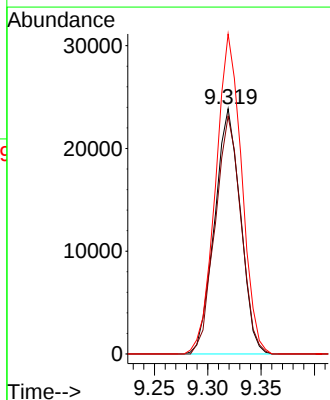
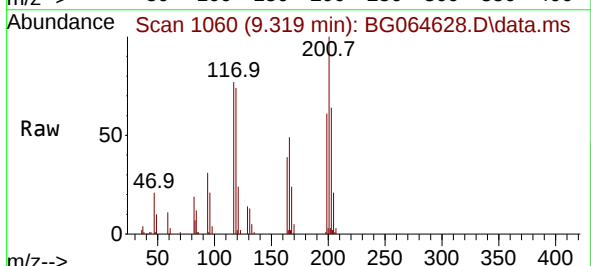
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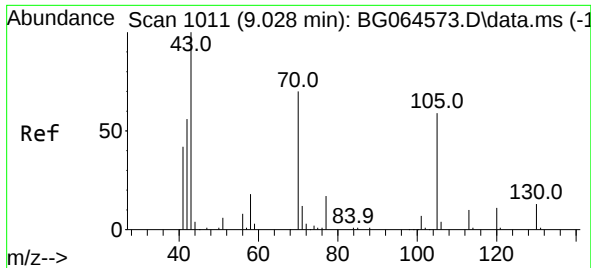
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#18
Hexachloroethane
Concen: 49.488 ng
RT: 9.319 min Scan# 1060
Delta R.T. -0.003 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

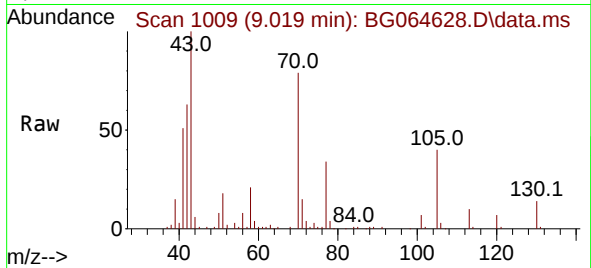
Tgt Ion:	117	Resp:	40307
Ion	Ratio	Lower	Upper
117	100		
119	97.0	75.4	113.2
201	130.5	99.2	148.8





#19
n-Nitroso-di-n-propylamine
Concen: 44.910 ng
RT: 9.019 min Scan# 1009
Delta R.T. -0.008 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

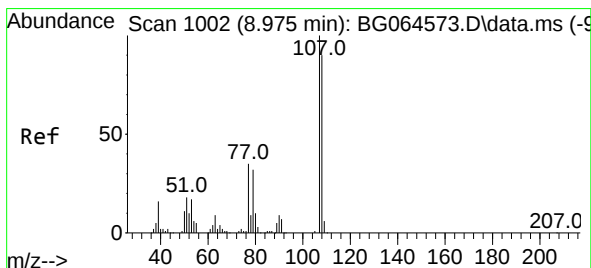
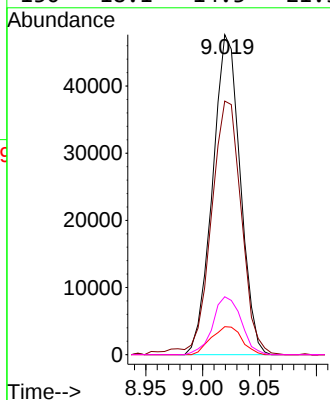
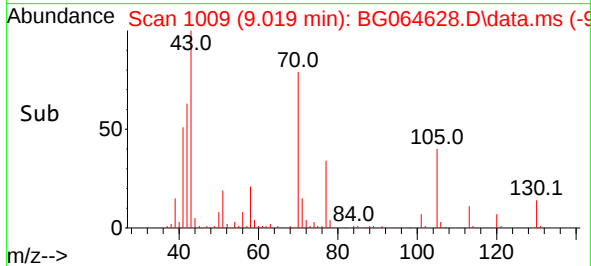
Instrument : BNA_G
ClientSampleId : PR-132-S16-015094-20251021MSD



Tgt Ion: 70 Resp: 80697
Ion Ratio Lower Upper
70 100
42 79.2 65.2 97.8
101 8.7 7.9 11.9
130 18.1 14.3 21.5

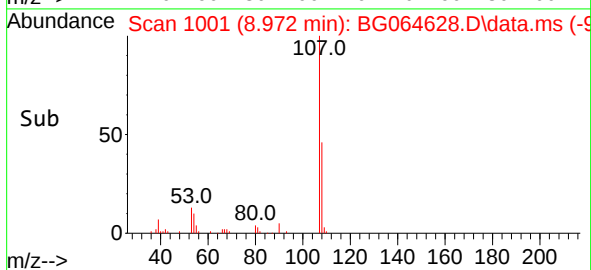
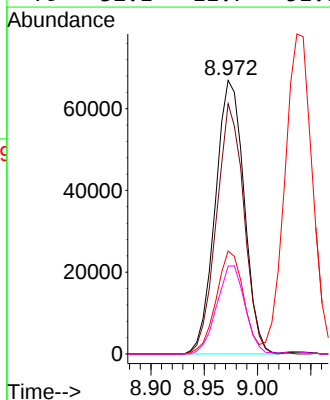
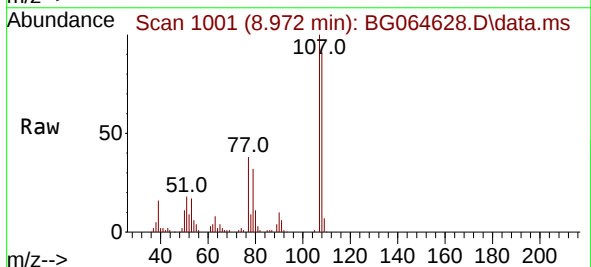
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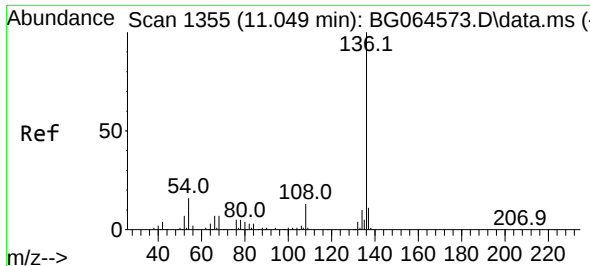
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#20
3+4-Methylphenols
Concen: 46.893 ng
RT: 8.972 min Scan# 1001
Delta R.T. -0.003 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

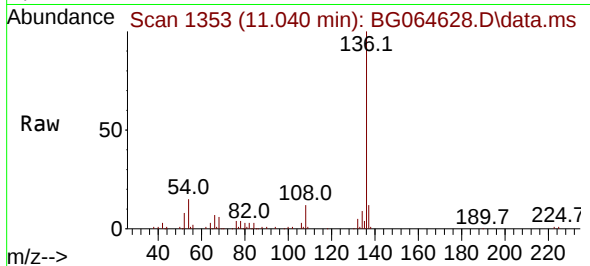
Tgt Ion:107 Resp: 125897
Ion Ratio Lower Upper
107 100
108 91.4 70.3 110.3
77 37.6 14.6 54.6
79 32.1 11.7 51.7





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.040 min Scan# 1101
Delta R.T. -0.009 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

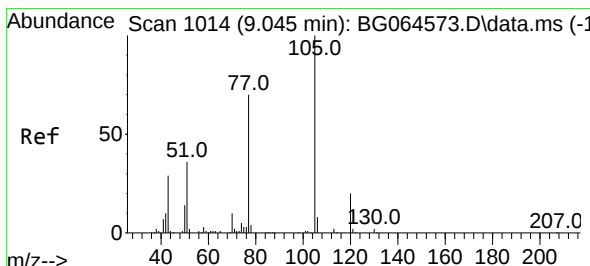
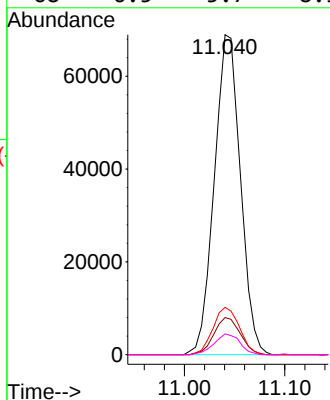
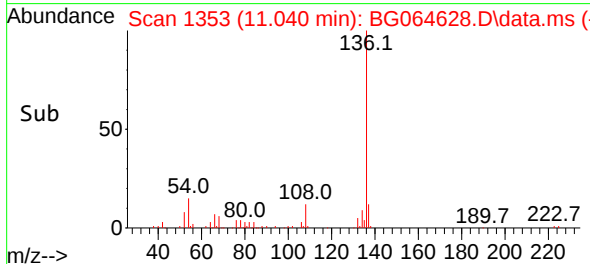
Instrument : BNA_G
ClientSampleId : PR-132-S16-015094-20251021MSD



Tgt Ion:136 Resp: 124534
Ion Ratio Lower Upper
136 100
137 11.6 9.2 13.8
54 14.8 12.6 19.0
68 6.5 5.7 8.5

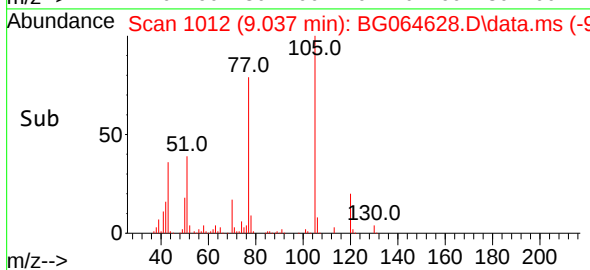
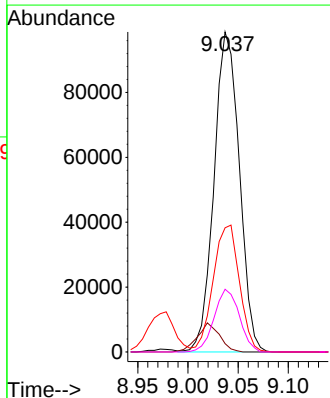
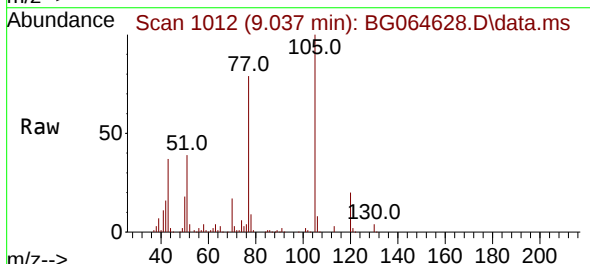
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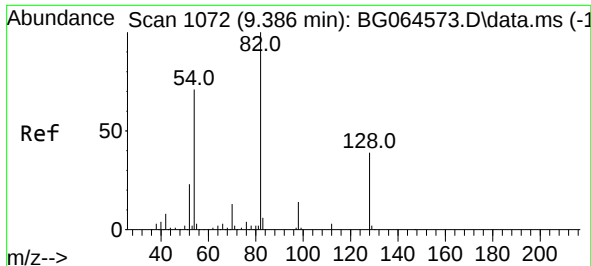
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#22
Acetophenone
Concen: 50.758 ng
RT: 9.037 min Scan# 1012
Delta R.T. -0.008 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

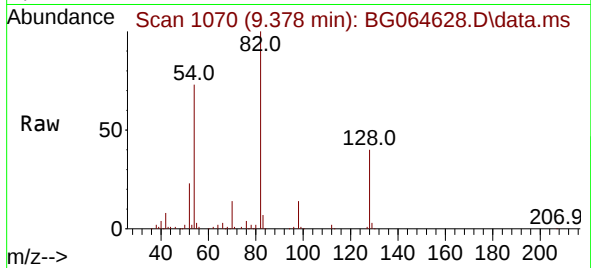
Tgt Ion:105 Resp: 172795
Ion Ratio Lower Upper
105 100
71 2.6 1.5 2.3#
51 38.8 33.7 50.5
120 19.6 16.1 24.1





#23
Nitrobenzene-d5
Concen: 74.861 ng
RT: 9.378 min Scan# 1072
Delta R.T. -0.008 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

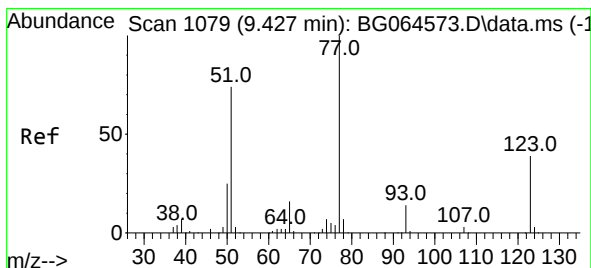
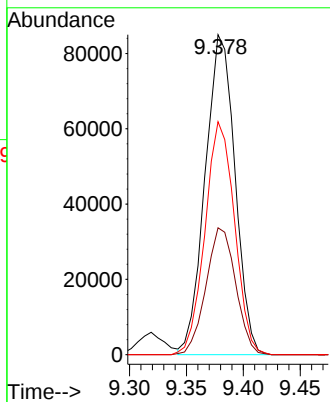
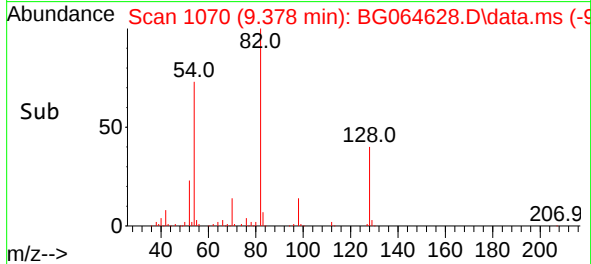
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD



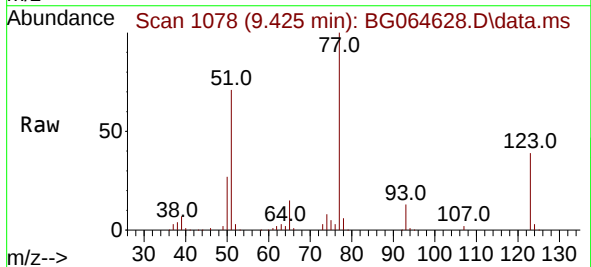
Tgt Ion: 82 Resp: 155218
Ion Ratio Lower Upper
82 100
128 39.7 31.3 46.9
54 72.8 56.6 84.8

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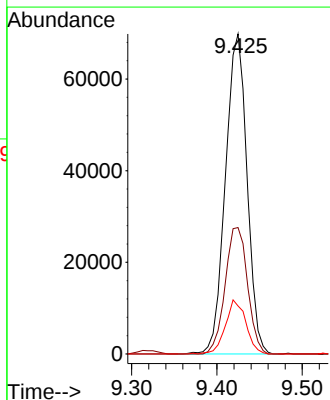
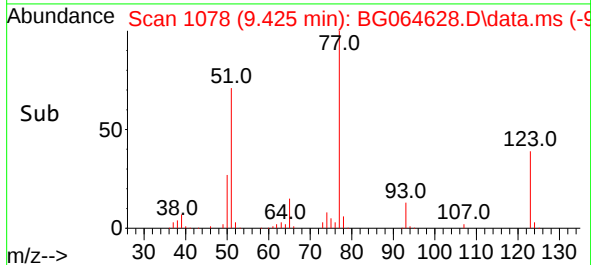
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

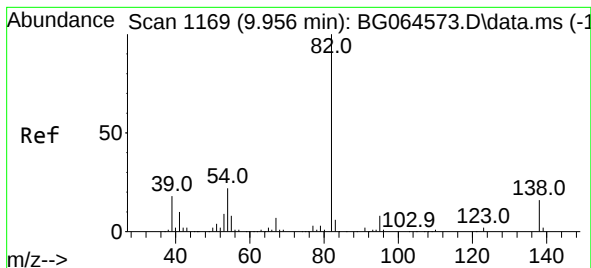


#24
Nitrobenzene
Concen: 54.514 ng
RT: 9.425 min Scan# 1078
Delta R.T. -0.003 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15



Tgt Ion: 77 Resp: 122938
Ion Ratio Lower Upper
77 100
123 39.5 31.0 46.6
65 15.0 12.7 19.1





#25

Isophorone

Concen: 46.278 ng

RT: 9.954 min Scan# 1168

Delta R.T. -0.003 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

Instrument :

BNA_G

ClientSampleId :

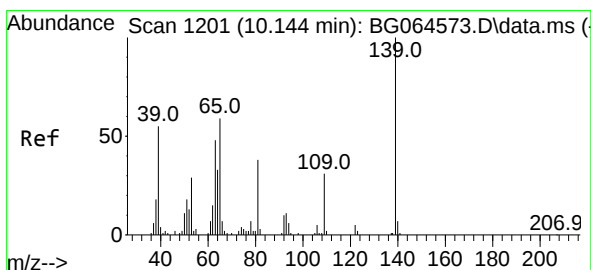
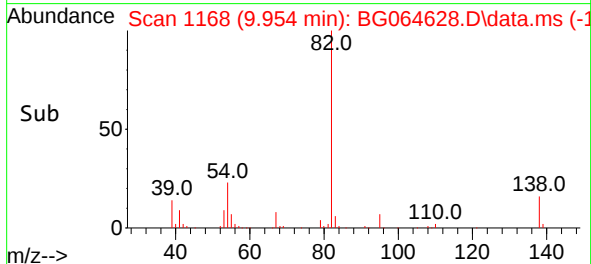
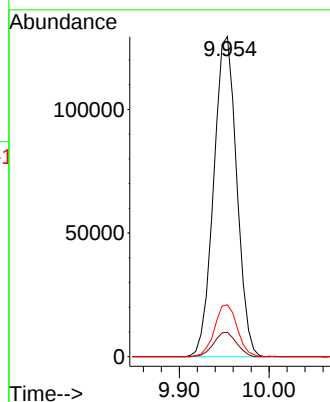
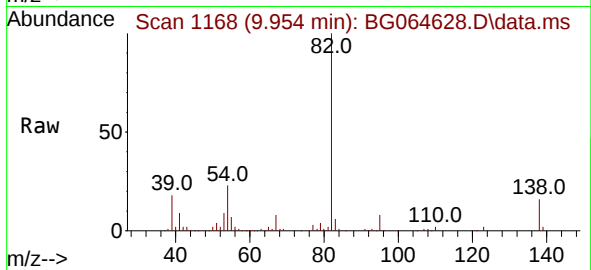
PR-132-S16-015094-20251021MSD

Tgt Ion:	82	Resp:	23024
Ion Ratio	Lower	Upper	
82	100		
95	7.6	6.1	9.1
138	16.2	13.0	19.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#26

2-Nitrophenol

Concen: 62.001 ng

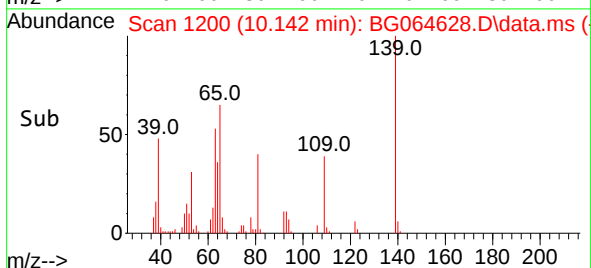
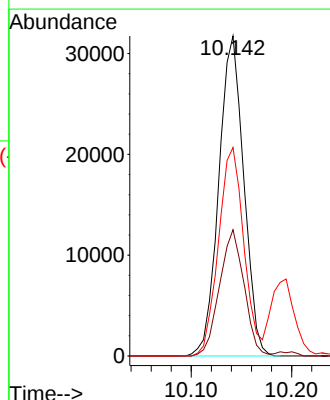
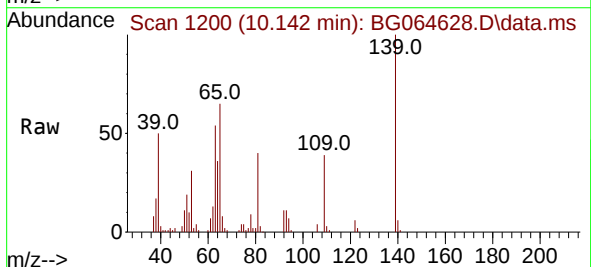
RT: 10.142 min Scan# 1200

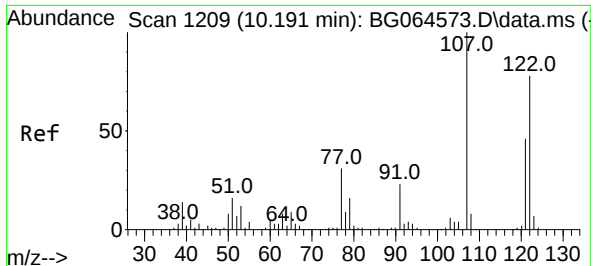
Delta R.T. -0.002 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

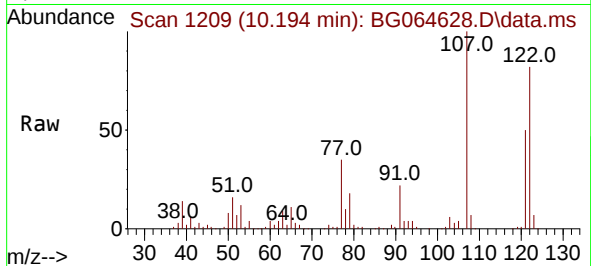
Tgt Ion:	139	Resp:	54798
Ion Ratio	Lower	Upper	
139	100		
109	39.5	24.6	37.0
65	65.2	47.5	71.3





#27
2,4-Dimethylphenol
Concen: 55.204 ng
RT: 10.194 min Scan# 1209
Delta R.T. 0.003 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

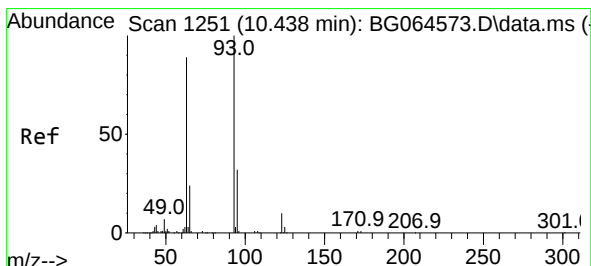
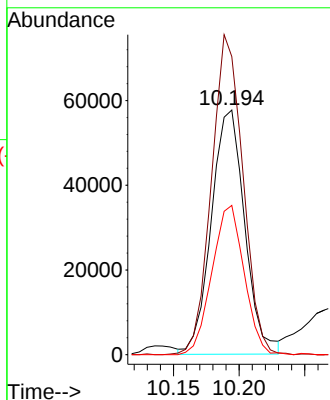
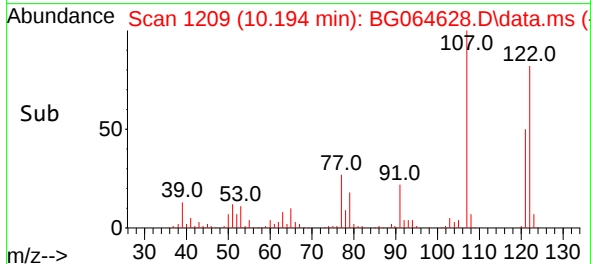
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD



Tgt Ion:122 Resp: 102164
Ion Ratio Lower Upper
122 100
107 121.8 103.0 154.4
121 61.0 47.8 71.8

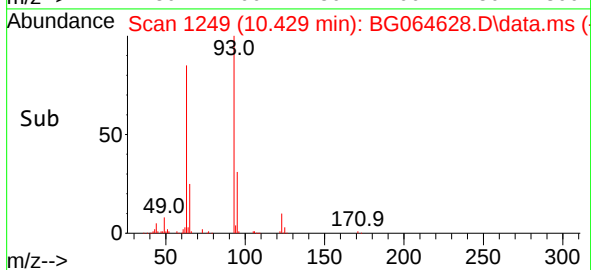
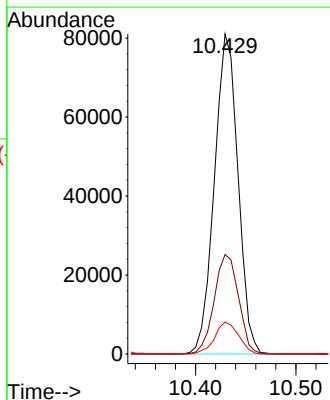
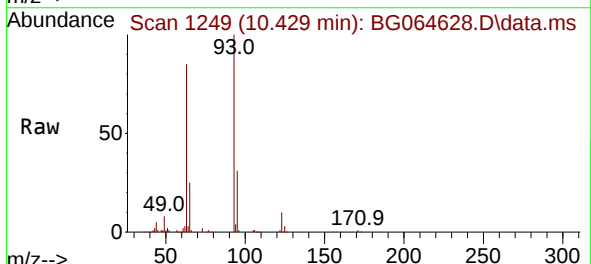
Manual Integrations
APPROVED

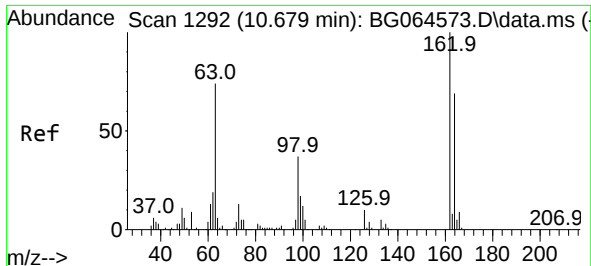
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#28
bis(2-Chloroethoxy)methane
Concen: 46.587 ng
RT: 10.429 min Scan# 1249
Delta R.T. -0.008 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion: 93 Resp: 131967
Ion Ratio Lower Upper
93 100
95 31.1 25.4 38.2
123 10.0 8.4 12.6





#29

2,4-Dichlorophenol

Concen: 53.143 ng

RT: 10.676 min Scan# 1291

Delta R.T. -0.003 min

Lab File: BG064628.D

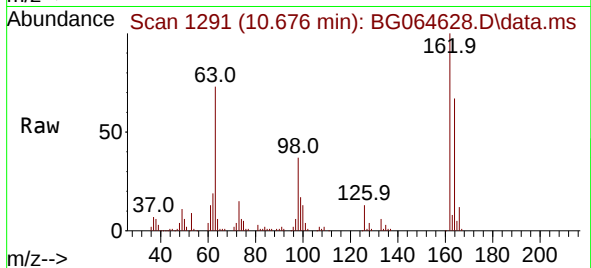
Acq: 29 Oct 2025 18:15

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MSD

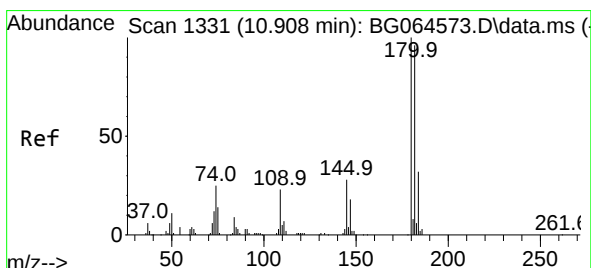
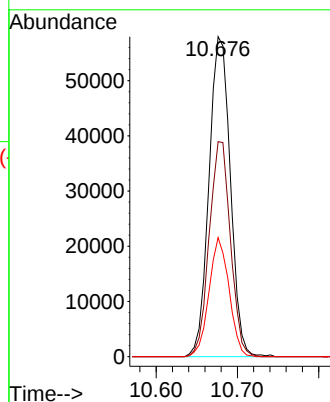
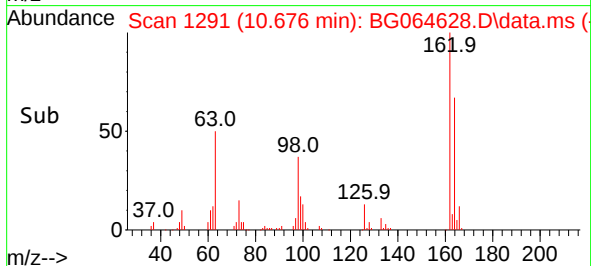


Tgt Ion:	162	Resp:	10584
Ion Ratio	Lower	Upper	
162	100		
164	67.2	48.7	88.7
98	37.2	16.9	56.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#30

1,2,4-Trichlorobenzene

Concen: 52.868 ng

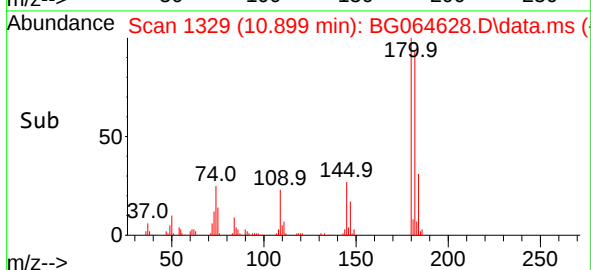
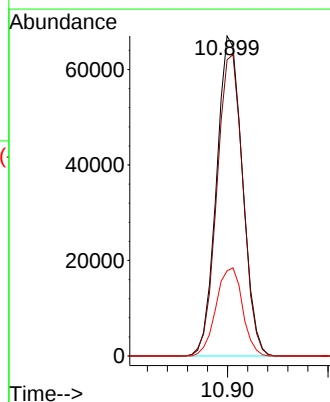
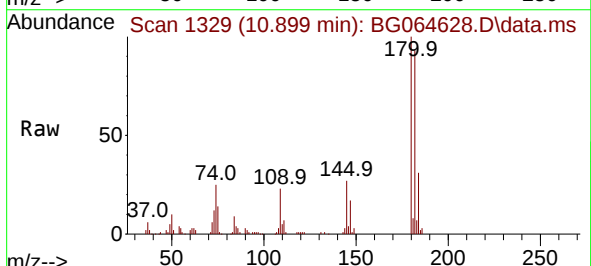
RT: 10.899 min Scan# 1329

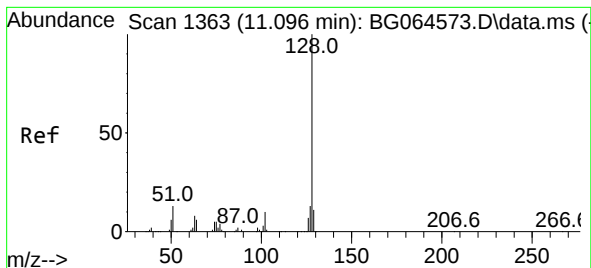
Delta R.T. -0.008 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

Tgt Ion:	180	Resp:	119635
Ion Ratio	Lower	Upper	
180	100		
182	92.6	76.9	115.3
145	26.6	22.1	33.1





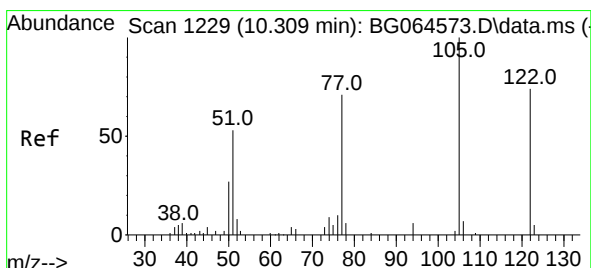
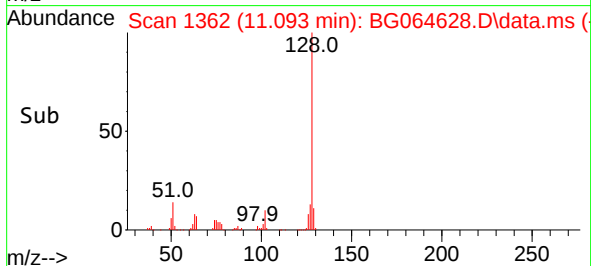
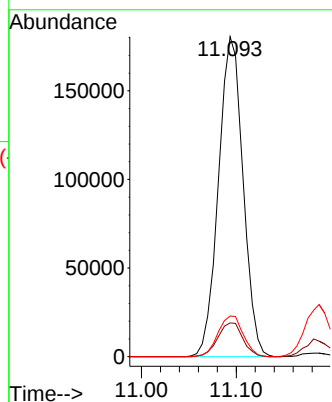
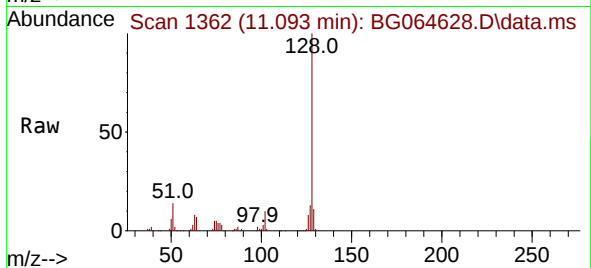
#31
Naphthalene
Concen: 47.081 ng
RT: 11.093 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion:128 Resp: 32507
Ion Ratio Lower Upper
128 100
129 10.6 8.8 13.2
127 12.7 10.6 15.8

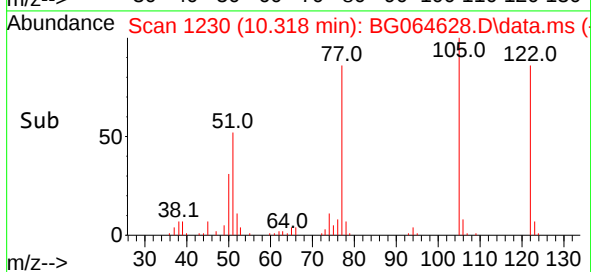
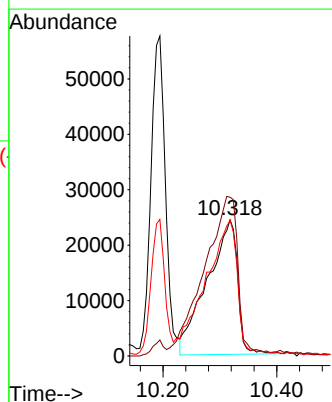
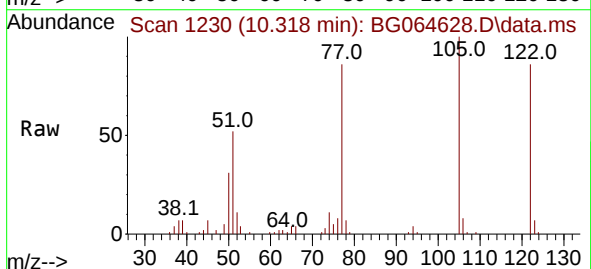
Manual Integrations
APPROVED

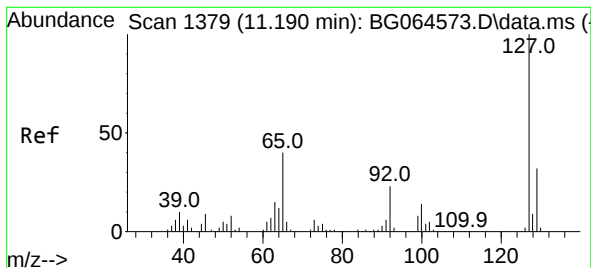
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#32
Benzoic acid
Concen: 61.183 ng
RT: 10.318 min Scan# 1230
Delta R.T. 0.009 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

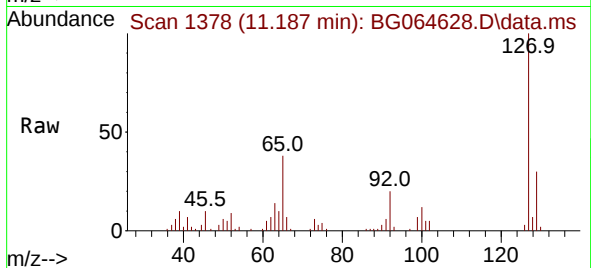
Tgt Ion:122 Resp: 89736
Ion Ratio Lower Upper
122 100
105 116.5 104.2 144.2
77 99.7 70.2 110.2





#33
4-Chloroaniline
Concen: 20.286 ng
RT: 11.187 min Scan# 1112
Delta R.T. -0.003 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

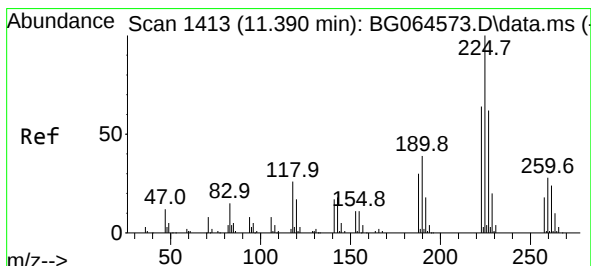
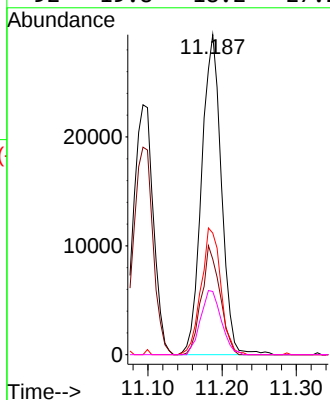
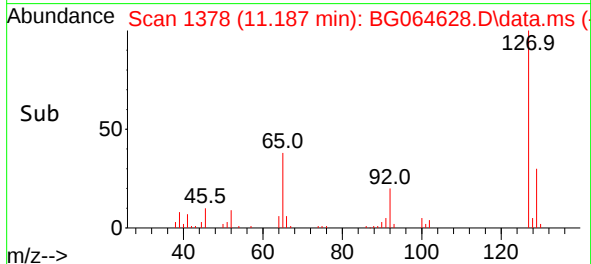
Instrument : BNA_G
ClientSampleId : PR-132-S16-015094-20251021MSD



Tgt Ion:	127	Resp:	5444
Ion Ratio	Lower	Upper	
127	100		
129	29.8	25.5	38.3
65	38.0	32.2	48.4
92	19.8	18.2	27.2

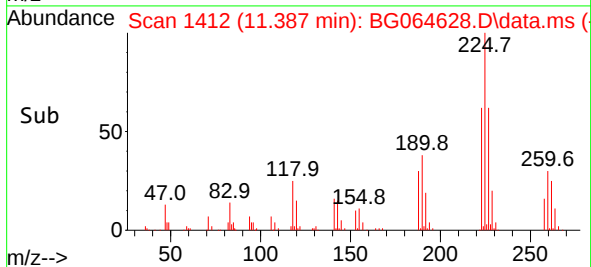
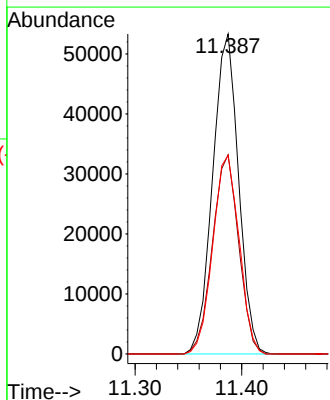
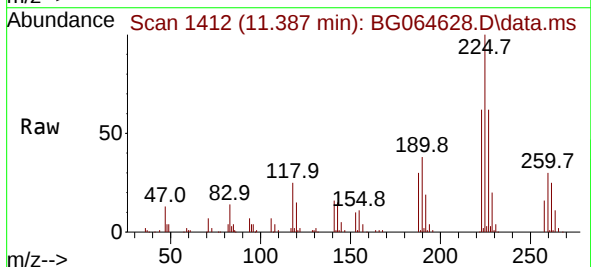
Manual Integrations
APPROVED

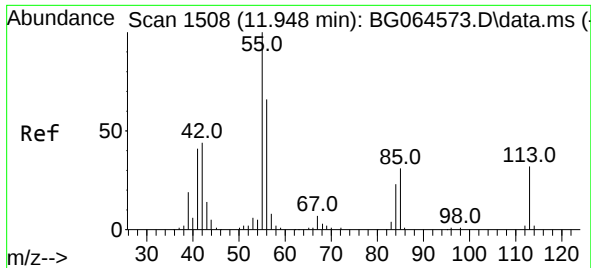
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#34
Hexachlorobutadiene
Concen: 50.775 ng
RT: 11.387 min Scan# 1412
Delta R.T. -0.003 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:	225	Resp:	89857
Ion Ratio	Lower	Upper	
225	100		
223	60.3	48.8	73.2
227	60.1	49.5	74.3





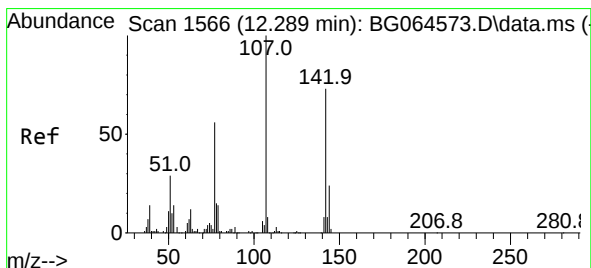
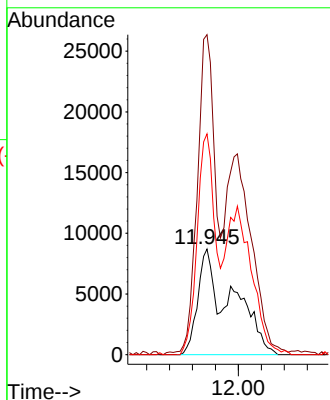
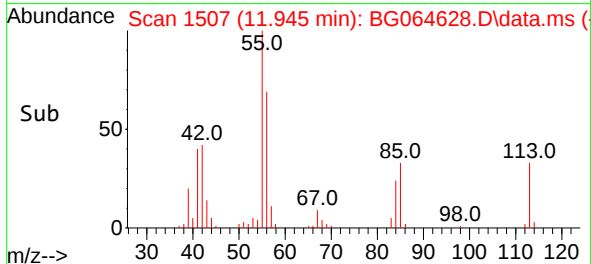
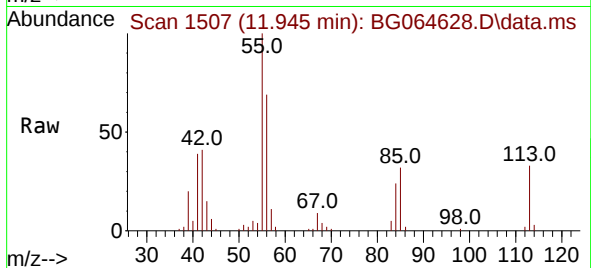
#35
Caprolactam
Concen: 46.489 ng m
RT: 11.945 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion:113 Resp: 3551
Ion Ratio Lower Upper
113 100
55 303.2 290.1 330.1
56 209.1 183.8 223.8

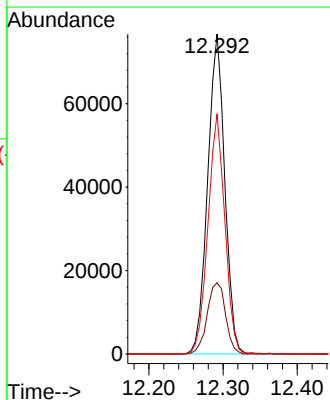
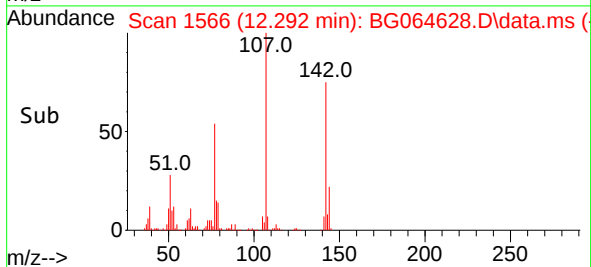
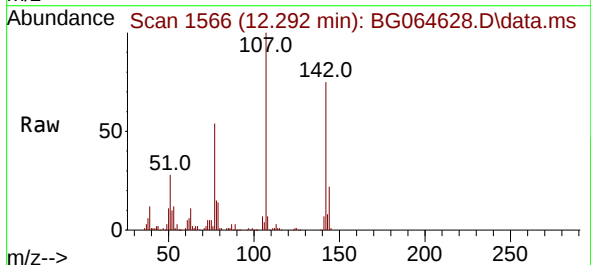
Manual Integrations
APPROVED

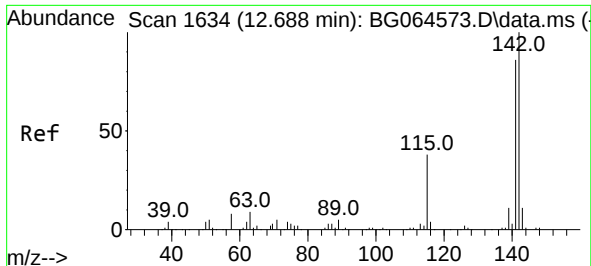
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#36
4-Chloro-3-methylphenol
Concen: 51.210 ng
RT: 12.292 min Scan# 1566
Delta R.T. 0.003 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

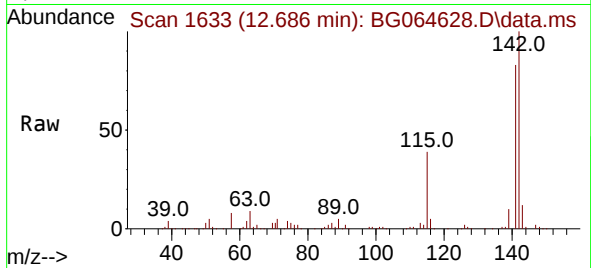
Tgt Ion:107 Resp: 122597
Ion Ratio Lower Upper
107 100
144 22.3 19.1 28.7
142 75.1 58.6 87.8





#37
2-Methylnaphthalene
Concen: 43.321 ng
RT: 12.686 min Scan# 1634
Delta R.T. -0.003 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

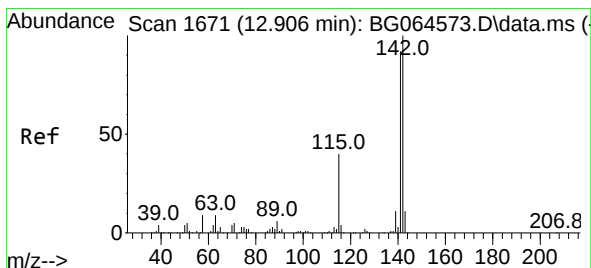
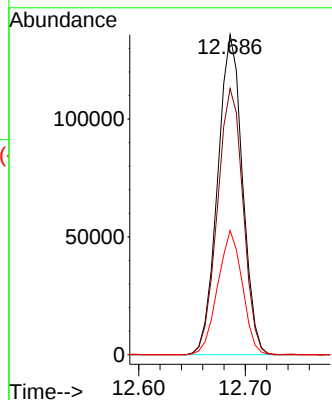
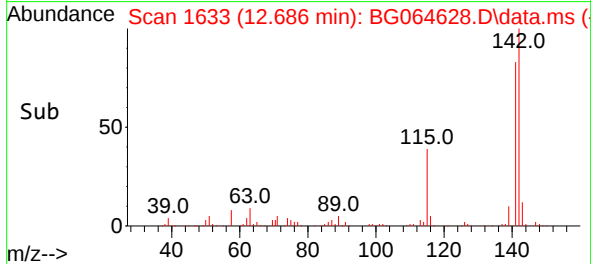
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD



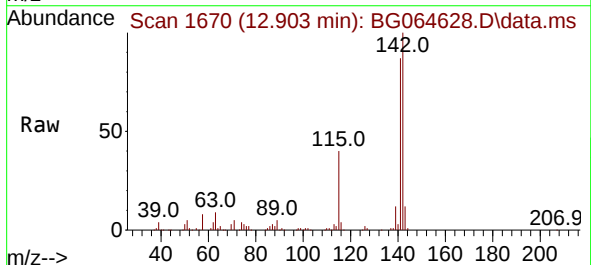
Tgt Ion:142 Resp: 219604
Ion Ratio Lower Upper
142 100
141 83.2 68.9 103.3
115 38.8 30.6 46.0

Manual Integrations
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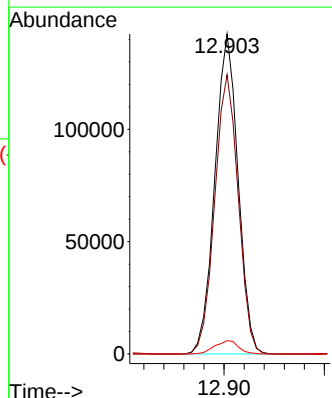
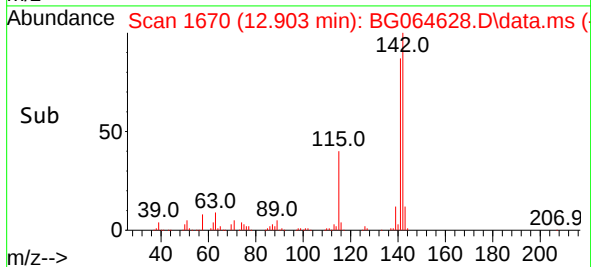
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

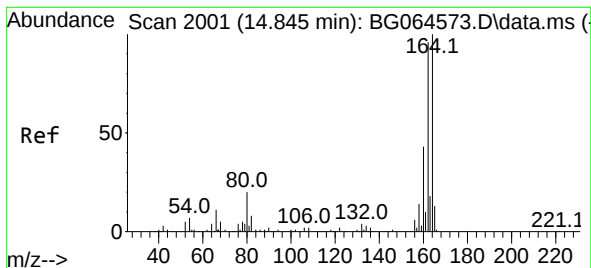


#38
1-Methylnaphthalene
Concen: 45.541 ng
RT: 12.903 min Scan# 1670
Delta R.T. -0.003 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15



Tgt Ion:142 Resp: 228542
Ion Ratio Lower Upper
142 100
141 87.2 73.3 109.9
116 4.1 3.1 4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.842 min Scan# 2001

Delta R.T. -0.003 min

Lab File: BG064628.D

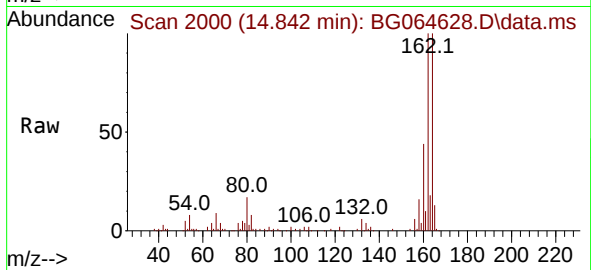
Acq: 29 Oct 2025 18:15

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MSD



Tgt Ion:164 Resp: 94989

Ion Ratio Lower Upper

164 100

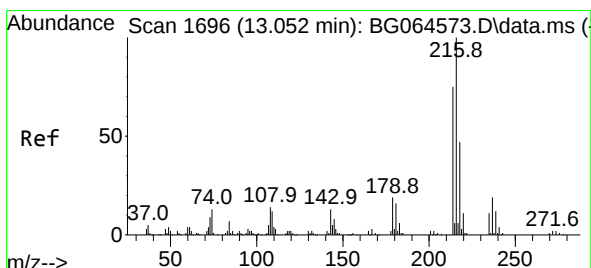
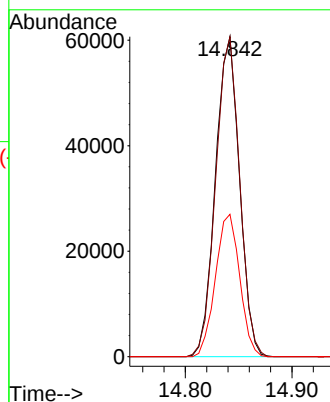
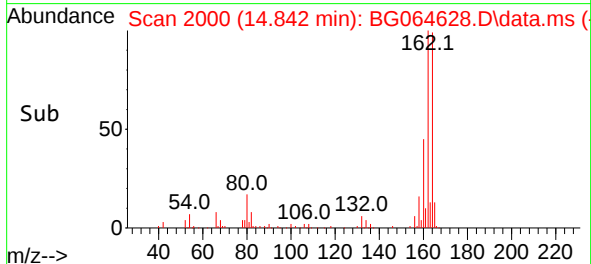
162 99.9 77.0 115.6

160 44.5 34.4 51.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 55.934 ng

RT: 13.050 min Scan# 1695

Delta R.T. -0.003 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

Tgt Ion:216 Resp: 178313

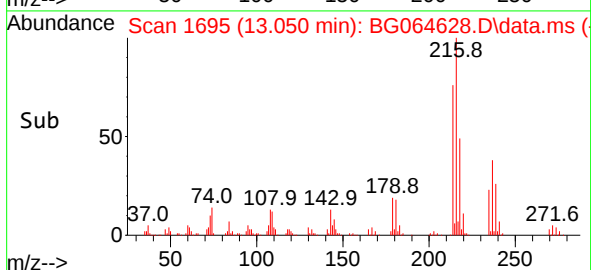
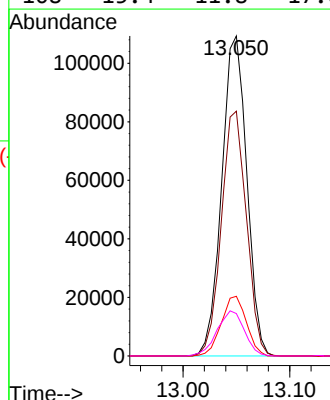
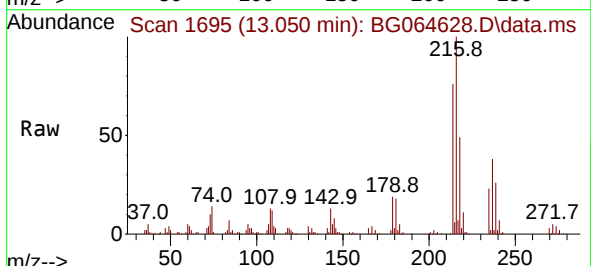
Ion Ratio Lower Upper

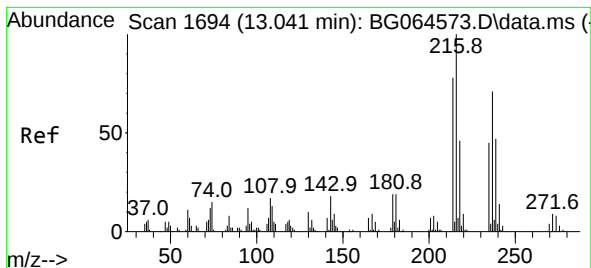
216 100

214 76.5 61.4 92.2

179 18.7 15.4 23.0

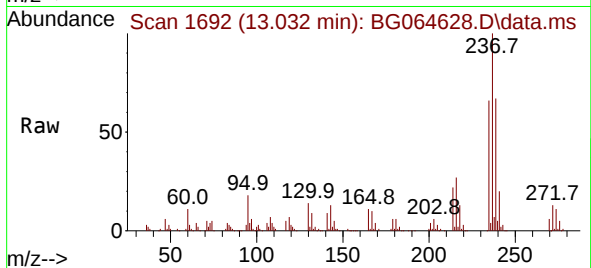
108 15.4 11.8 17.6





#41
Hexachlorocyclopentadiene
Concen: 145.386 ng
RT: 13.032 min Scan# 1694
Delta R.T. -0.008 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

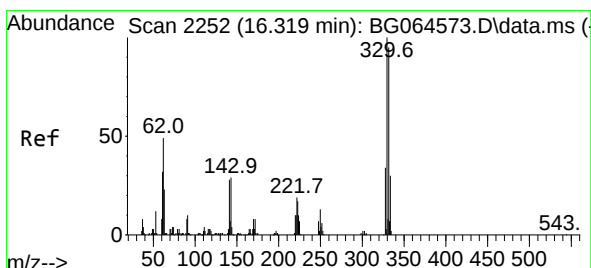
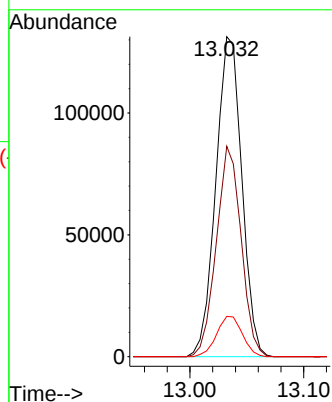
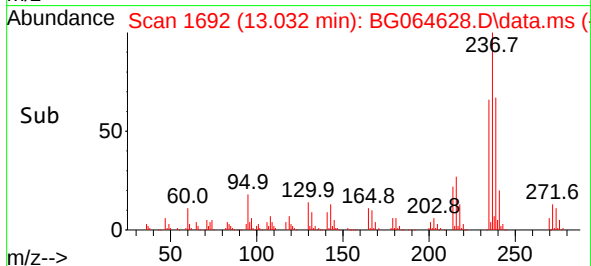
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD



Tgt Ion:237 Resp: 208614
Ion Ratio Lower Upper
237 100
235 65.8 44.1 84.1
272 12.6 0.0 32.4

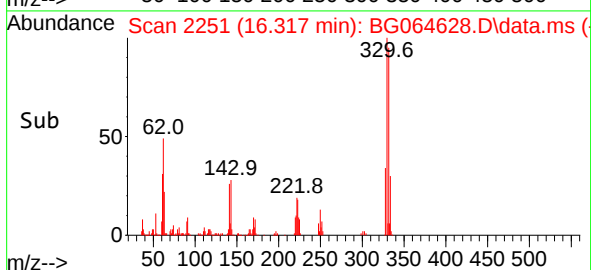
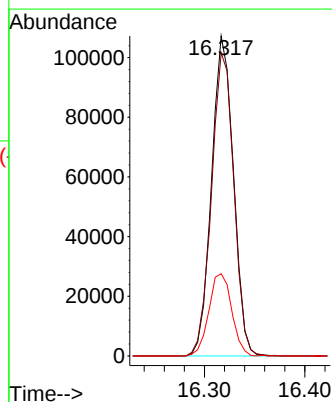
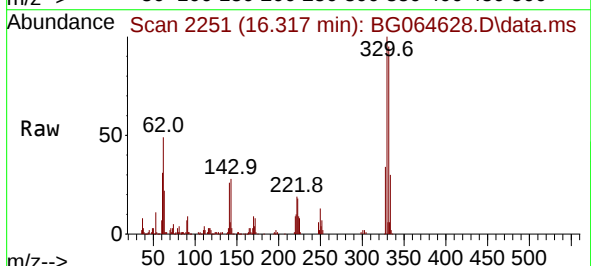
Manual Integrations
APPROVED

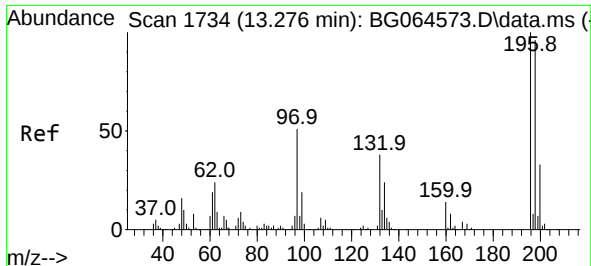
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#42
2,4,6-Tribromophenol
Concen: 118.302 ng
RT: 16.317 min Scan# 2251
Delta R.T. -0.003 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

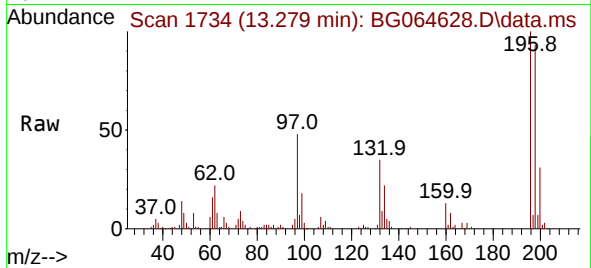
Tgt Ion:330 Resp: 162190
Ion Ratio Lower Upper
330 100
332 96.7 78.0 117.0
141 27.0 21.8 32.6





#43
2,4,6-Trichlorophenol
Concen: 56.833 ng
RT: 13.279 min Scan# 1734
Delta R.T. 0.003 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

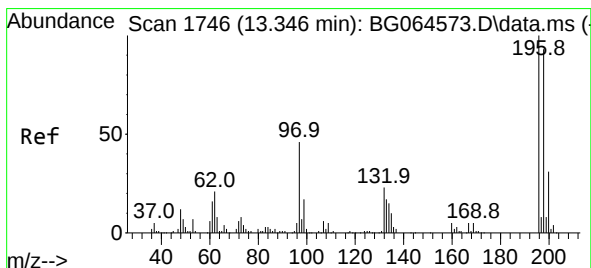
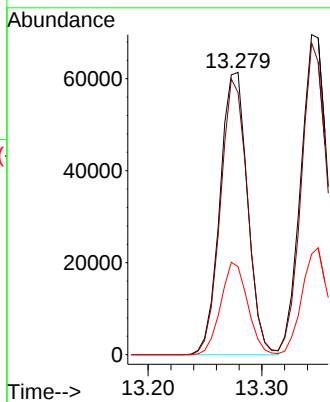
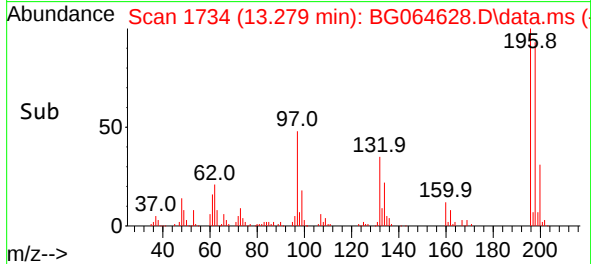
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD



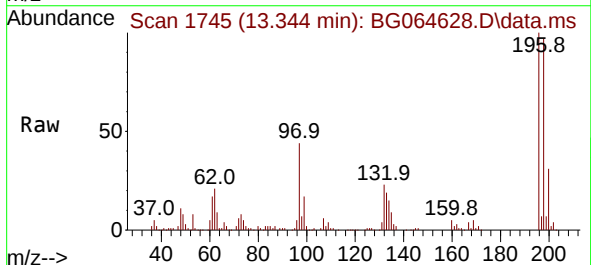
Tgt Ion:196 Resp: 103630
Ion Ratio Lower Upper
196 100
198 92.9 76.6 115.0
200 31.2 26.0 39.0

Manual Integrations
APPROVED

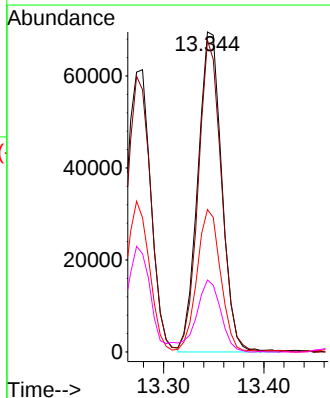
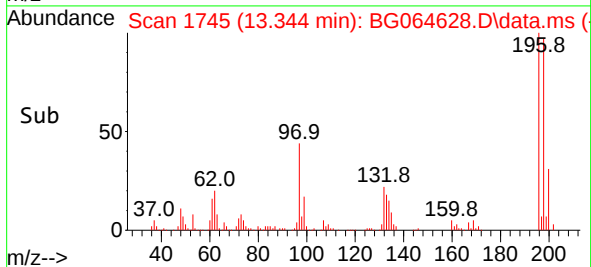
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

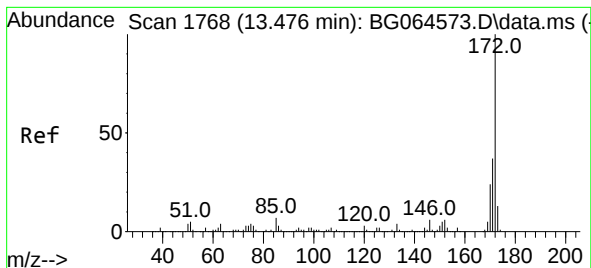


#44
2,4,5-Trichlorophenol
Concen: 54.963 ng
RT: 13.344 min Scan# 1745
Delta R.T. -0.003 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15



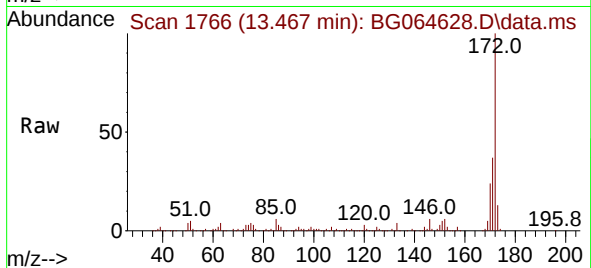
Tgt Ion:196 Resp: 115660
Ion Ratio Lower Upper
196 100
198 97.4 74.2 111.4
97 44.5 37.0 55.6
132 22.5 18.5 27.7





#45
2-Fluorobiphenyl
Concen: 58.437 ng
RT: 13.467 min Scan# 1766
Delta R.T. -0.008 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

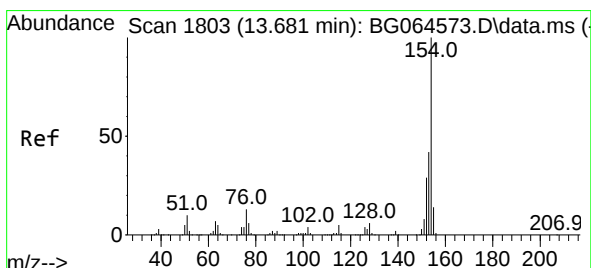
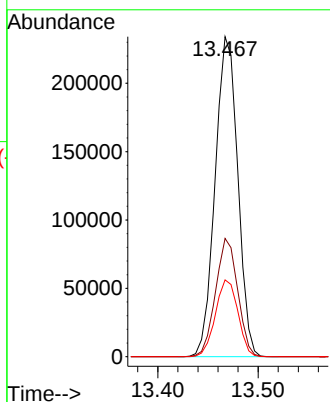
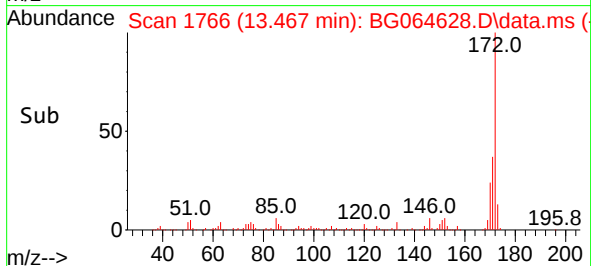
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD



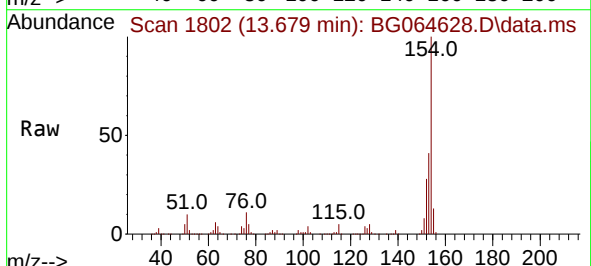
Tgt Ion:172 Resp: 366211
Ion Ratio Lower Upper
172 100
171 36.9 29.4 44.0
170 24.0 19.1 28.7

Manual Integrations
APPROVED

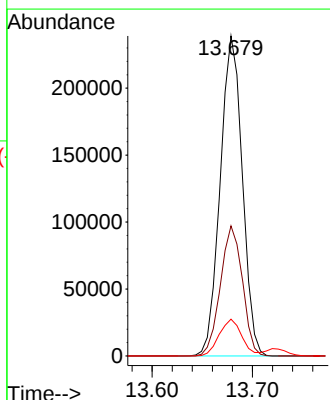
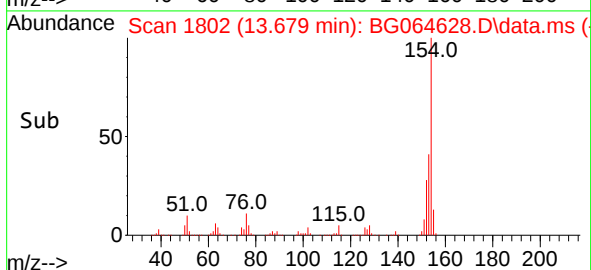
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

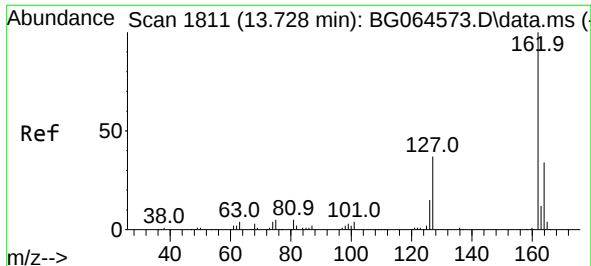


#46
1,1'-Biphenyl
Concen: 54.107 ng
RT: 13.679 min Scan# 1802
Delta R.T. -0.003 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15



Tgt Ion:154 Resp: 365386
Ion Ratio Lower Upper
154 100
153 40.6 22.4 62.4
76 11.5 0.0 33.5





#47

2-Chloronaphthalene

Concen: 48.952 ng

RT: 13.726 min Scan# 1810

Delta R.T. -0.003 min

Lab File: BG064628.D

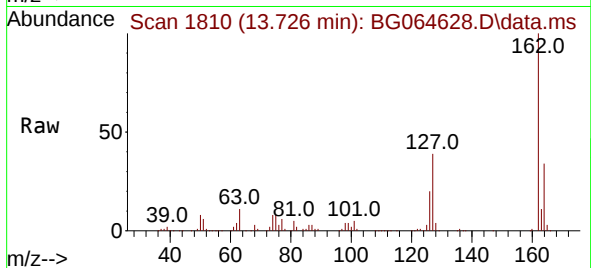
Acq: 29 Oct 2025 18:15

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MSD

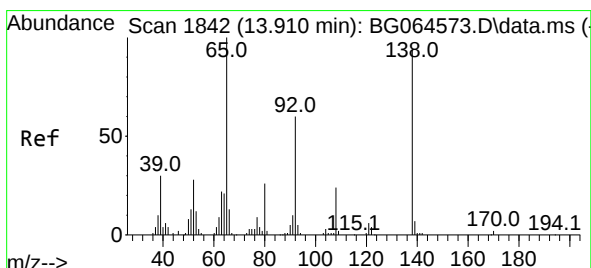
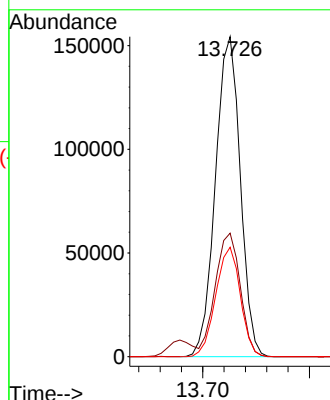
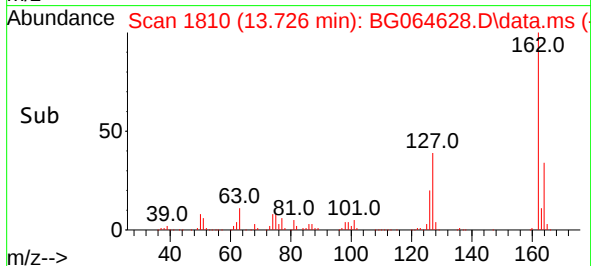


Tgt Ion:	162	Resp:	249530
Ion Ratio	Lower	Upper	
162	100		
127	38.6	32.2	48.2
164	34.2	27.5	41.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#48

2-Nitroaniline

Concen: 54.228 ng

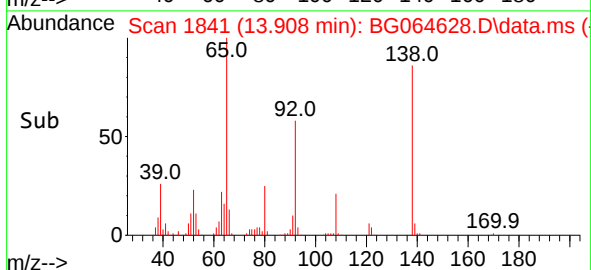
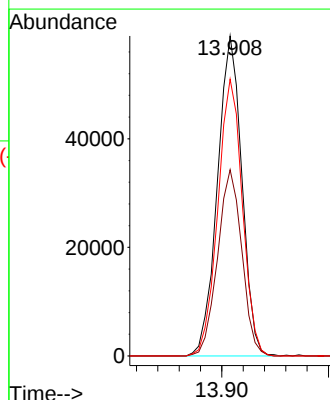
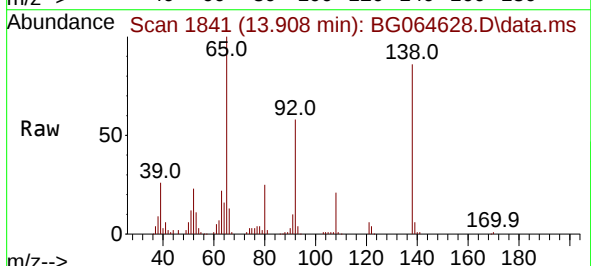
RT: 13.908 min Scan# 1841

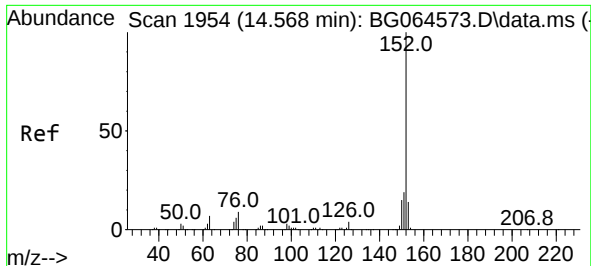
Delta R.T. -0.002 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

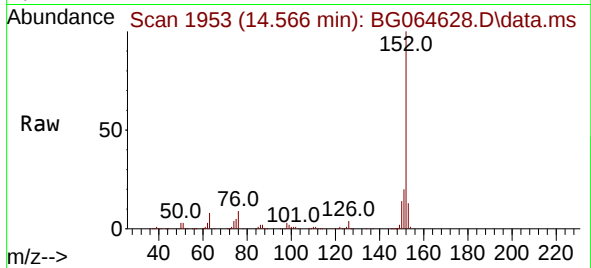
Tgt Ion:	65	Resp:	93564
Ion Ratio	Lower	Upper	
65	100		
92	58.2	48.3	72.5
138	86.5	74.9	112.3





#49
Acenaphthylene
Concen: 54.693 ng
RT: 14.566 min Scan# 1954
Delta R.T. -0.003 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

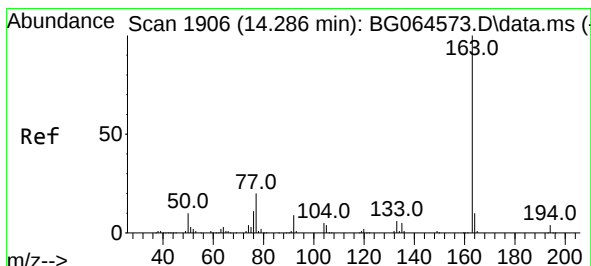
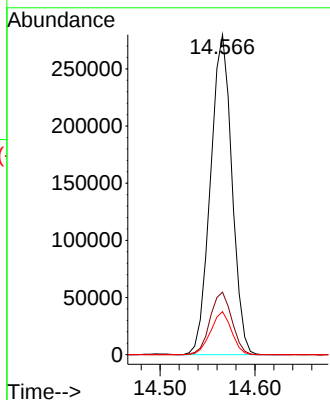
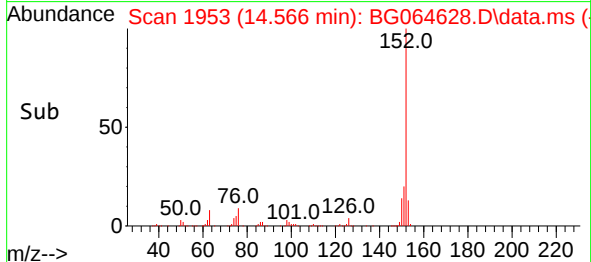
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD



Tgt Ion:152 Resp: 43974
Ion Ratio Lower Upper
152 100
151 19.5 15.4 23.2
153 13.5 11.0 16.4

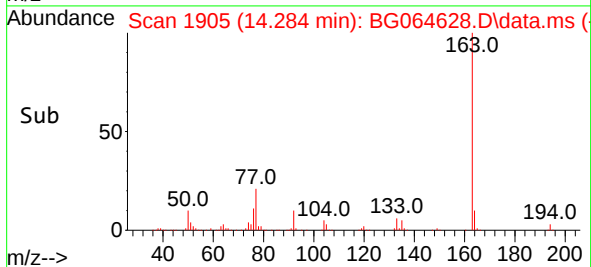
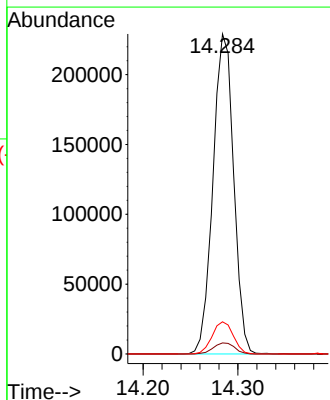
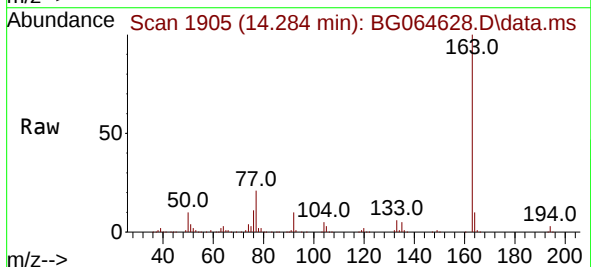
Manual Integrations
APPROVED

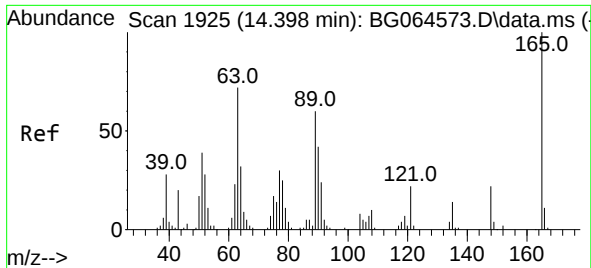
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#50
Dimethylphthalate
Concen: 47.761 ng
RT: 14.284 min Scan# 1905
Delta R.T. -0.003 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:163 Resp: 347153
Ion Ratio Lower Upper
163 100
194 3.5 2.8 4.2
164 10.1 7.7 11.5





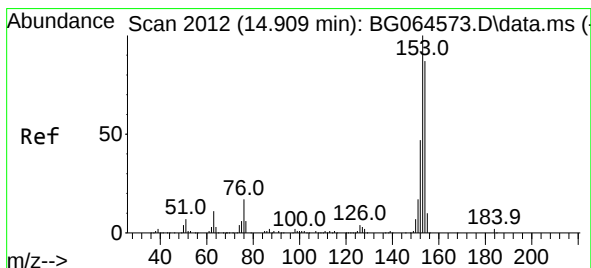
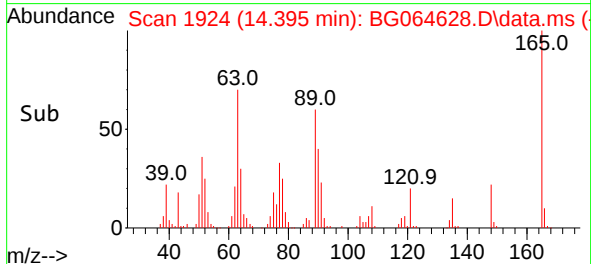
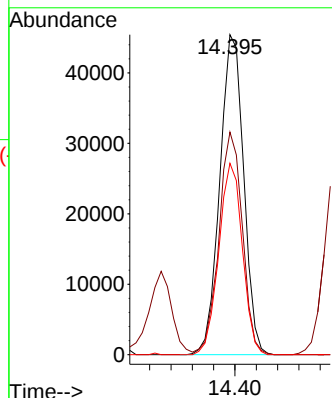
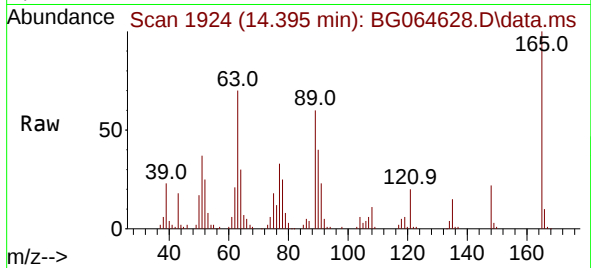
#51
2,6-Dinitrotoluene
Concen: 58.141 ng
RT: 14.395 min Scan# 1925
Delta R.T. -0.003 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion:165 Resp: 70590
Ion Ratio Lower Upper
165 100
63 69.6 57.4 86.0
89 59.8 47.8 71.8

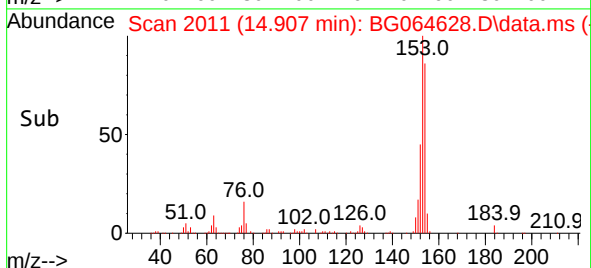
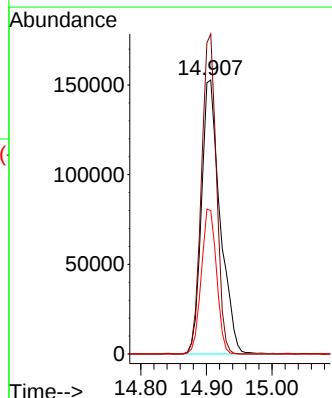
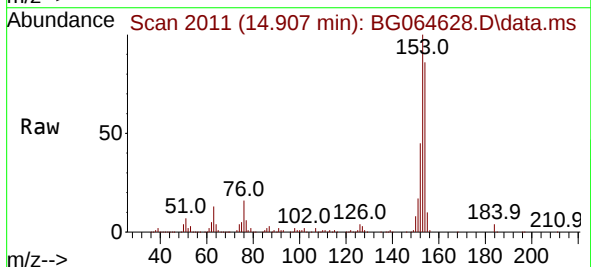
Manual Integrations
APPROVED

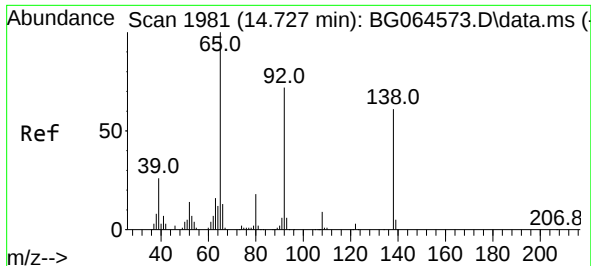
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#52
Acenaphthene
Concen: 54.976 ng
RT: 14.907 min Scan# 2011
Delta R.T. -0.003 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

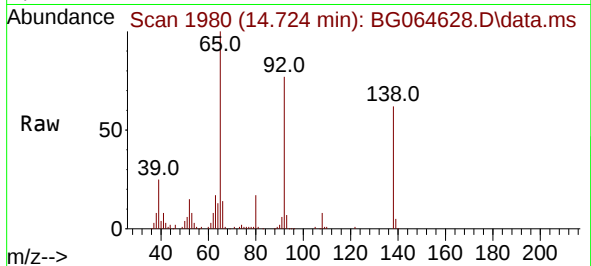
Tgt Ion:154 Resp: 301997
Ion Ratio Lower Upper
154 100
153 116.8 92.2 138.4
152 52.4 43.2 64.8





#53
3-Nitroaniline
Concen: 38.655 ng
RT: 14.724 min Scan# 1981
Delta R.T. -0.003 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

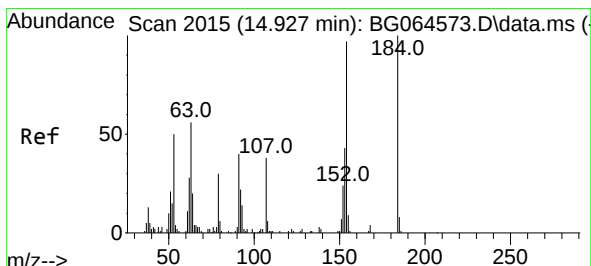
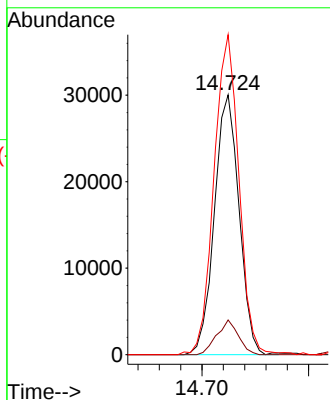
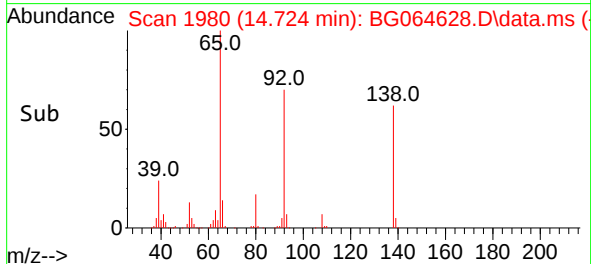
Instrument : BNA_G
ClientSampleId : PR-132-S16-015094-20251021MSD



Tgt Ion:138 Resp: 48285
Ion Ratio Lower Upper
138 100
108 13.4 11.4 17.0
92 123.2 95.3 142.9

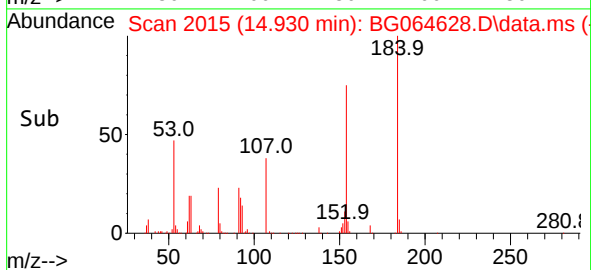
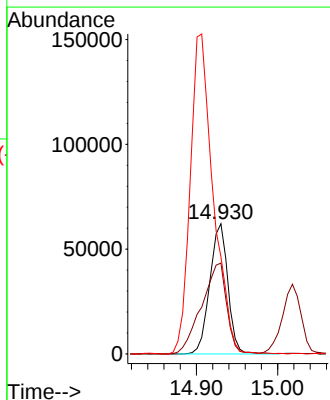
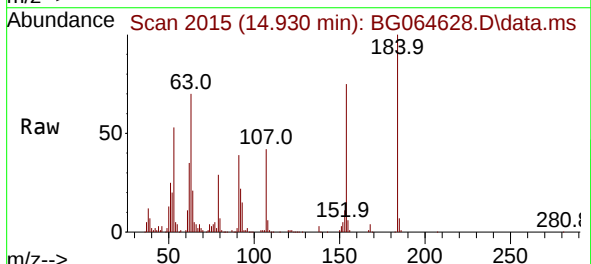
Manual Integrations
APPROVED

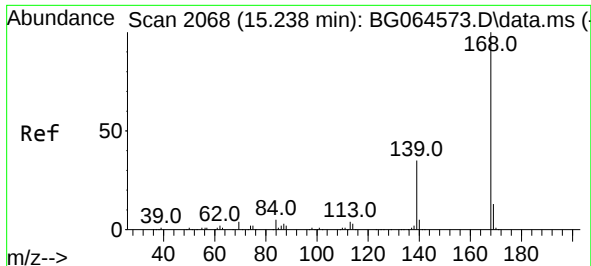
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#54
2,4-Dinitrophenol
Concen: 127.399 ng
RT: 14.930 min Scan# 2015
Delta R.T. 0.003 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

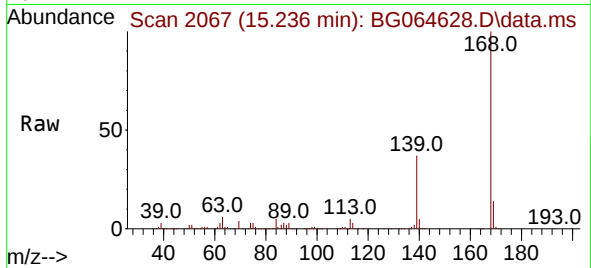
Tgt Ion:184 Resp: 96369
Ion Ratio Lower Upper
184 100
63 69.8 56.6 85.0
154 74.7 158.6 238.0#





#55
Dibenzofuran
Concen: 47.718 ng
RT: 15.236 min Scan# 2068
Delta R.T. -0.003 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

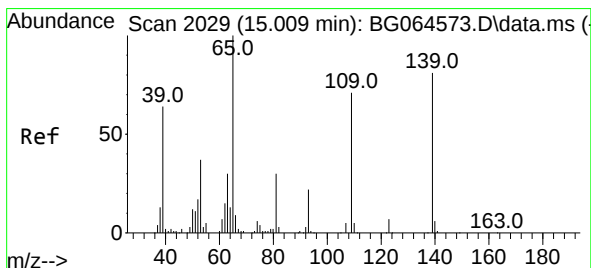
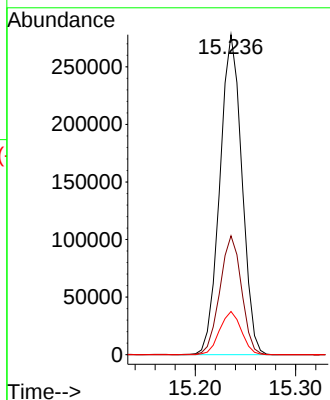
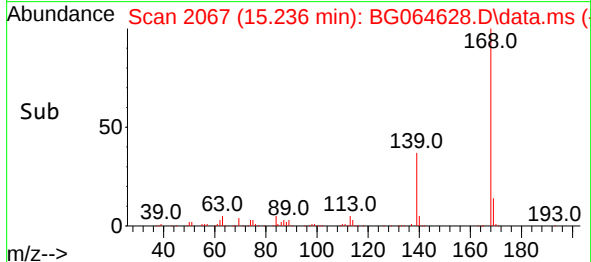
Instrument : BNA_G
ClientSampleId : PR-132-S16-015094-20251021MSD



Tgt Ion:168 Resp: 42378
Ion Ratio Lower Upper
168 100
139 37.1 27.8 41.8
169 13.5 10.3 15.5

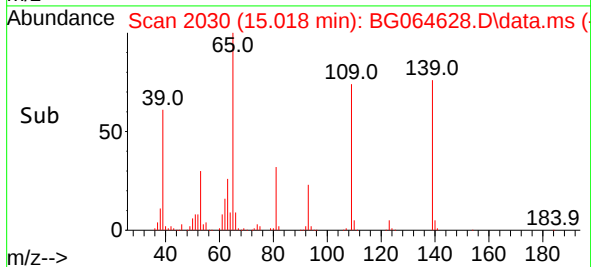
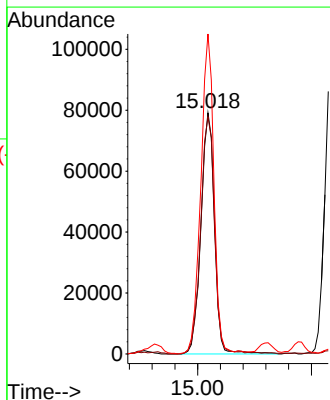
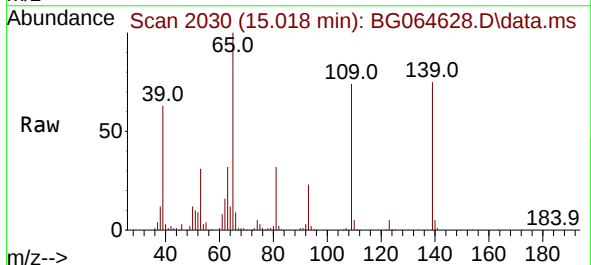
Manual Integrations
APPROVED

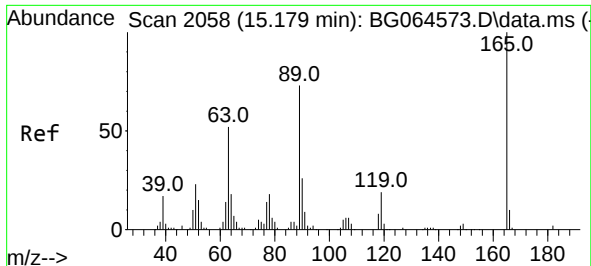
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#56
4-Nitrophenol
Concen: 113.444 ng
RT: 15.018 min Scan# 2030
Delta R.T. 0.009 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

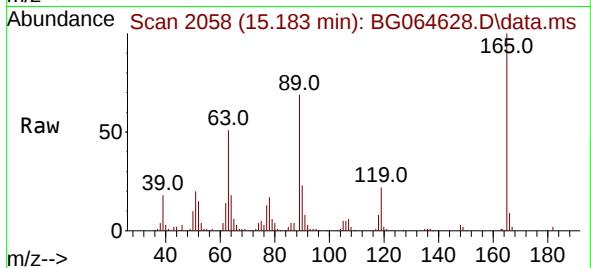
Tgt Ion:139 Resp: 131383
Ion Ratio Lower Upper
139 100
109 98.3 67.8 107.8
65 132.7 103.7 143.7





#57
2,4-Dinitrotoluene
Concen: 54.664 ng
RT: 15.183 min Scan# 2058
Delta R.T. 0.004 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

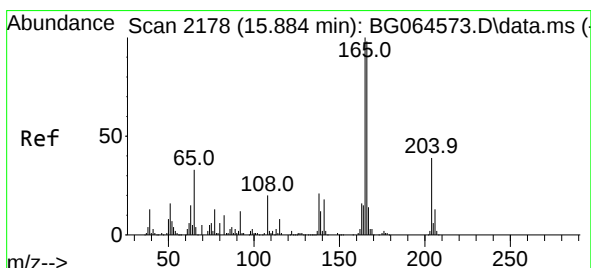
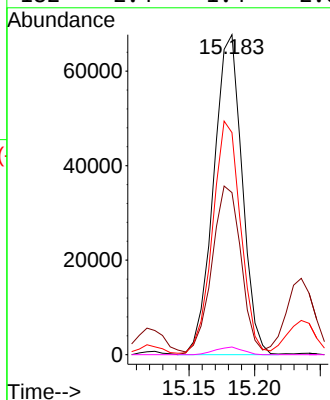
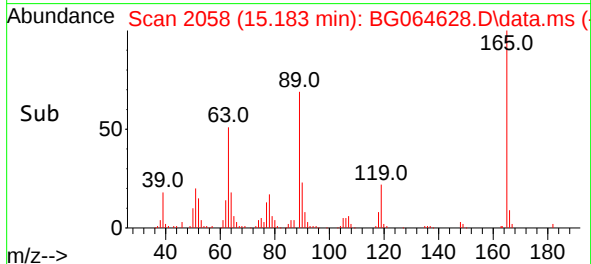
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD



Tgt Ion:165 Resp: 10220
Ion Ratio Lower Upper
165 100
63 50.7 41.8 62.8
89 69.4 58.1 87.1
182 2.4 1.4 2.0#

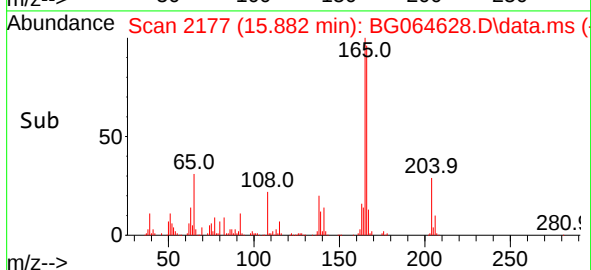
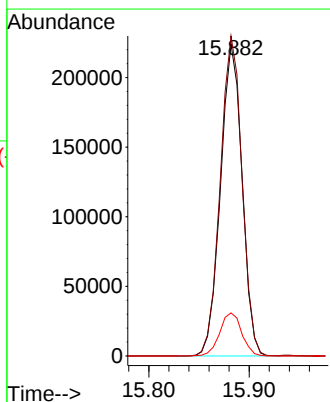
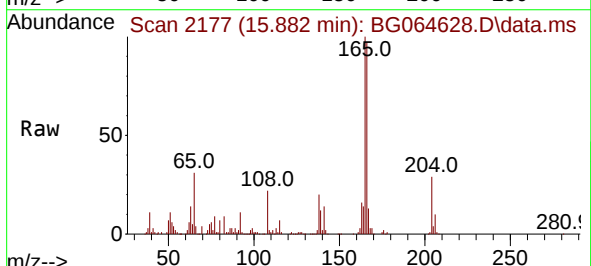
Manual Integrations
APPROVED

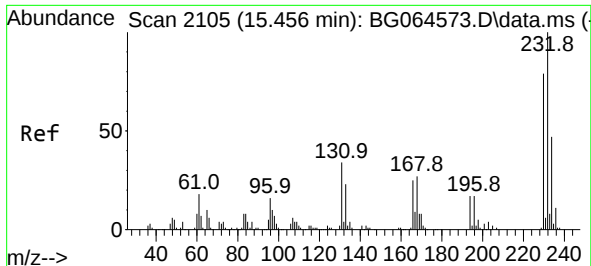
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#58
Fluorene
Concen: 48.236 ng
RT: 15.882 min Scan# 2177
Delta R.T. -0.003 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

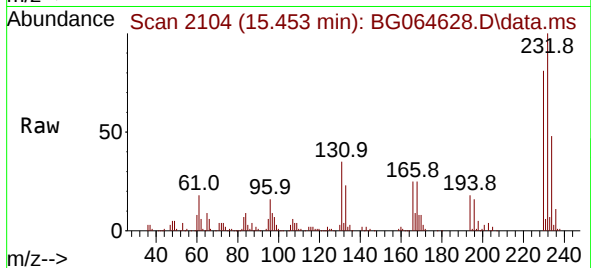
Tgt Ion:166 Resp: 334548
Ion Ratio Lower Upper
166 100
165 102.6 81.5 122.3
167 13.8 11.4 17.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 58.261 ng
RT: 15.453 min Scan# 2104
Delta R.T. -0.003 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

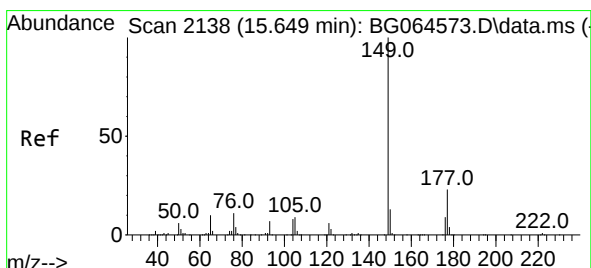
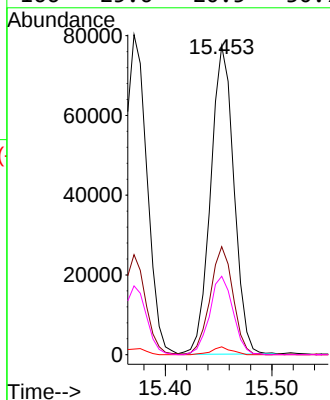
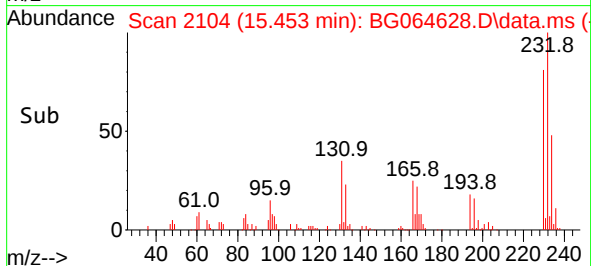
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD



Tgt Ion:232 Resp: 117230
Ion Ratio Lower Upper
232 100
131 34.6 26.7 40.1
130 2.1 1.6 2.4
166 25.6 20.5 30.7

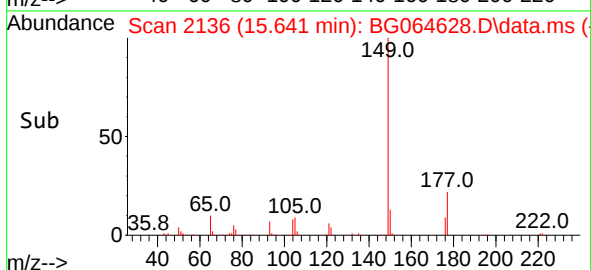
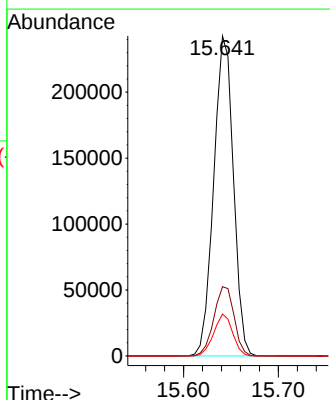
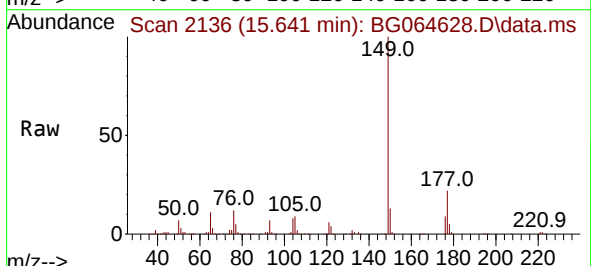
Manual Integrations
APPROVED

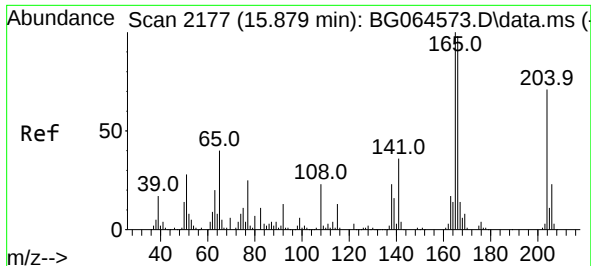
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#60
Diethylphthalate
Concen: 47.184 ng
RT: 15.641 min Scan# 2136
Delta R.T. -0.008 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

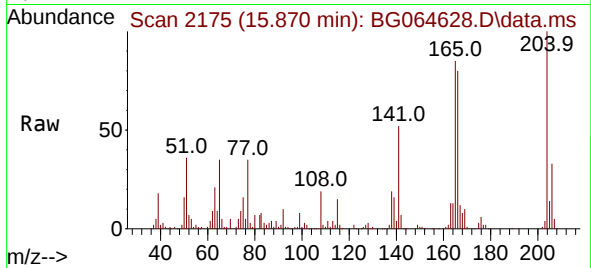
Tgt Ion:149 Resp: 350180
Ion Ratio Lower Upper
149 100
177 21.7 18.0 27.0
150 13.1 10.2 15.4





#61
4-Chlorophenyl-phenylether
Concen: 48.686 ng
RT: 15.870 min Scan# 2175
Delta R.T. -0.008 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

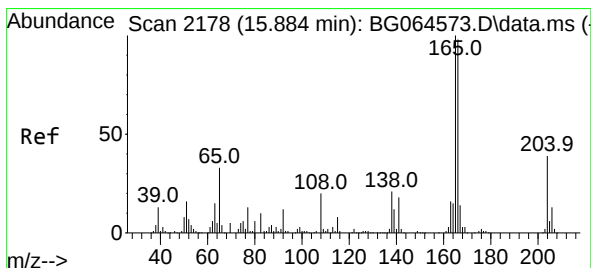
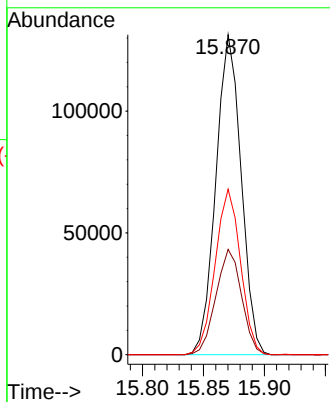
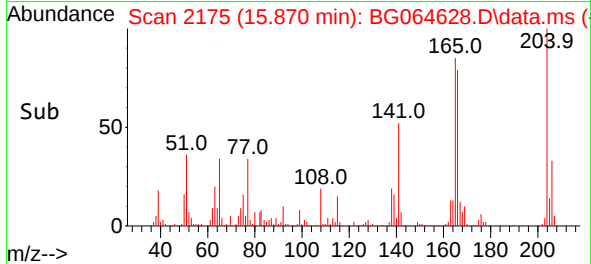
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD



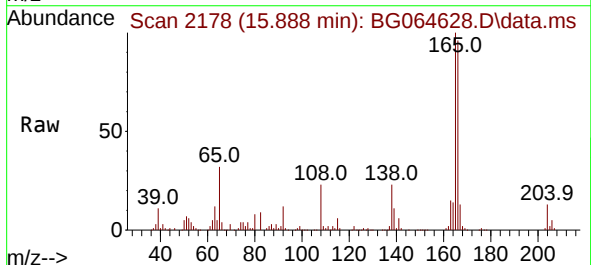
Tgt Ion:204 Resp: 189500
Ion Ratio Lower Upper
204 100
206 32.9 25.6 38.4
141 51.7 40.6 60.8

Manual Integrations
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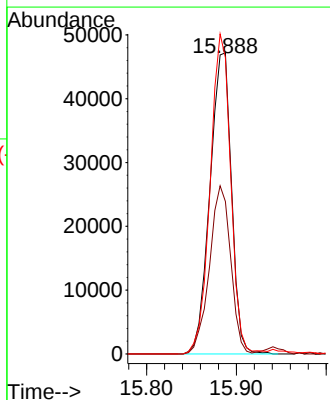
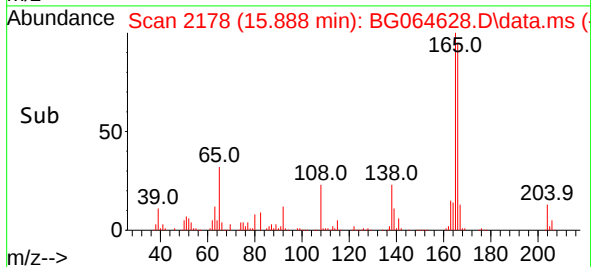
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

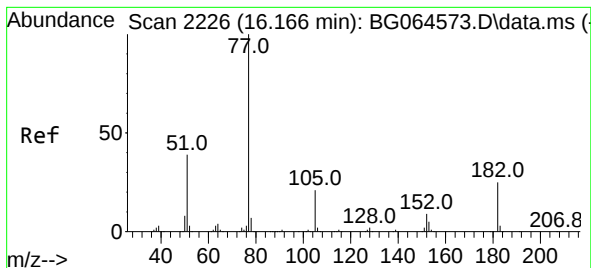


#62
4-Nitroaniline
Concen: 56.473 ng
RT: 15.888 min Scan# 2178
Delta R.T. 0.003 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15



Tgt Ion:138 Resp: 78479
Ion Ratio Lower Upper
138 100
92 50.6 36.1 76.1
108 98.4 75.6 115.6





#63

Azobenzene

Concen: 51.319 ng

RT: 16.164 min Scan# 21

Delta R.T. -0.003 min

Lab File: BG064628.D

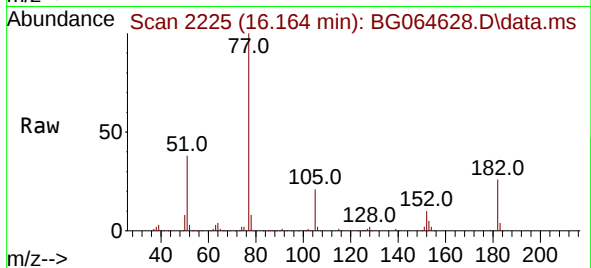
Acq: 29 Oct 2025 18:15

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MSD



Tgt Ion: 77 Resp: 34946

Ion Ratio Lower Upper

77 100

182 25.9 4.9 44.9

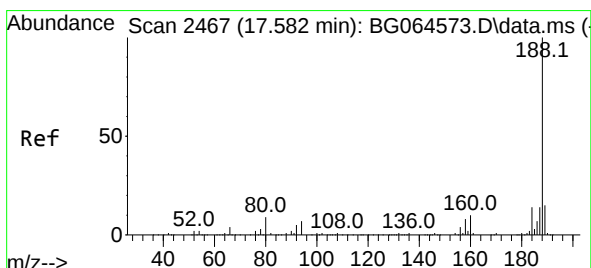
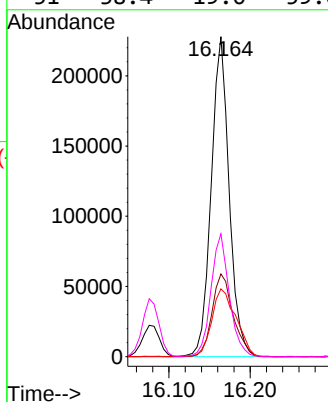
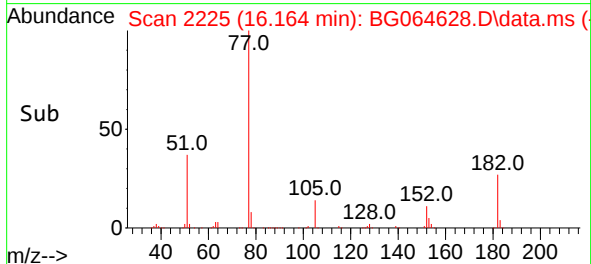
105 21.2 1.3 41.3

51 38.4 19.0 59.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.580 min Scan# 2466

Delta R.T. -0.003 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

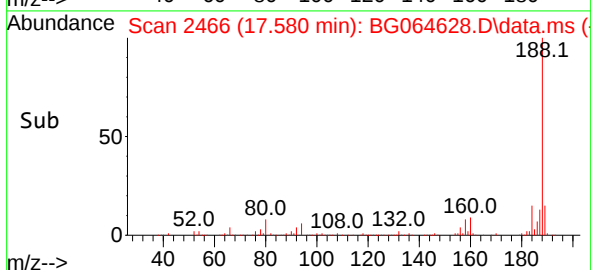
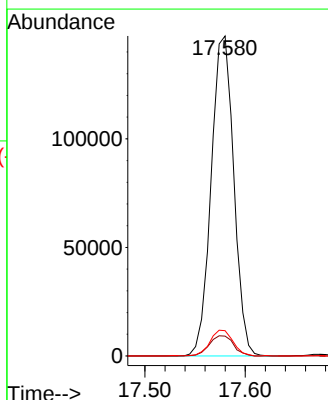
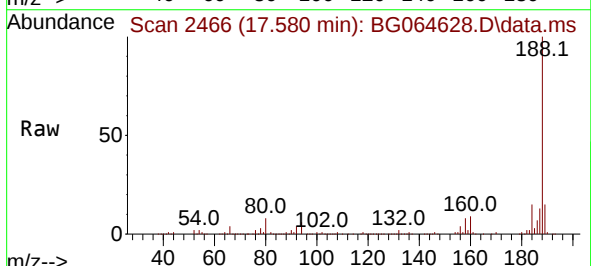
Tgt Ion:188 Resp: 230638

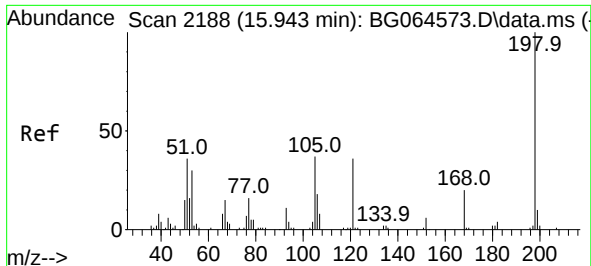
Ion Ratio Lower Upper

188 100

94 6.2 5.7 8.5

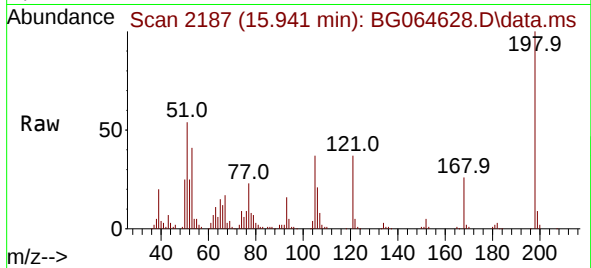
80 7.9 6.8 10.2





#65
4,6-Dinitro-2-methylphenol
Concen: 64.272 ng
RT: 15.941 min Scan# 2188
Delta R.T. -0.002 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

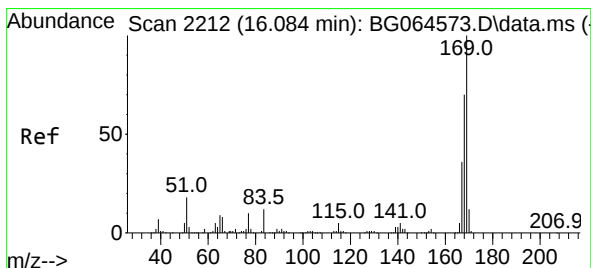
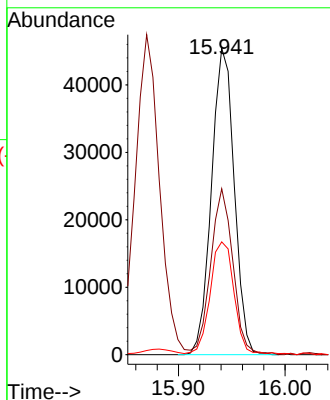
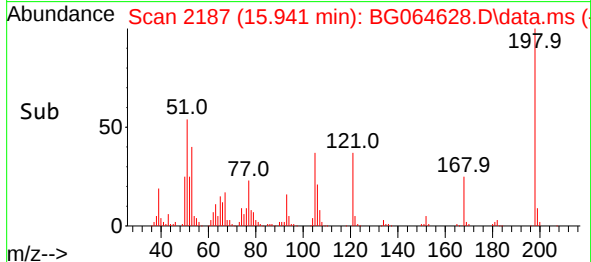
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD



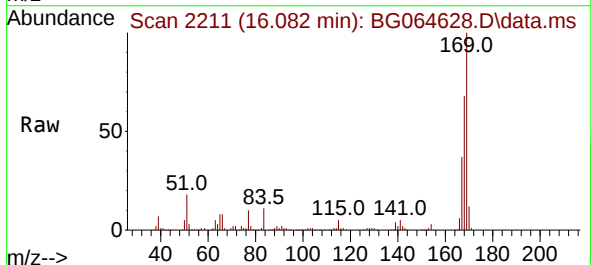
Tgt Ion:198 Resp: 6733
Ion Ratio Lower Upper
198 100
51 54.1 24.7 64.7
105 36.8 18.0 58.0

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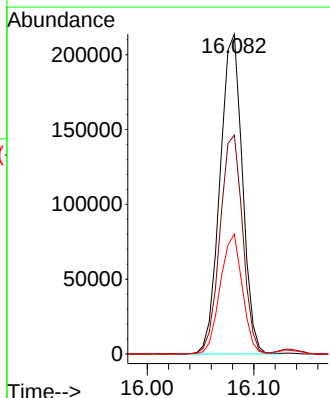
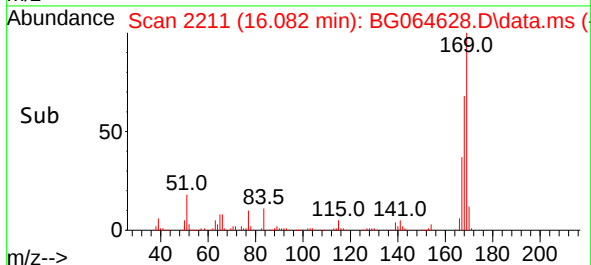
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#66
n-Nitrosodiphenylamine
Concen: 49.959 ng
RT: 16.082 min Scan# 2211
Delta R.T. -0.003 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15



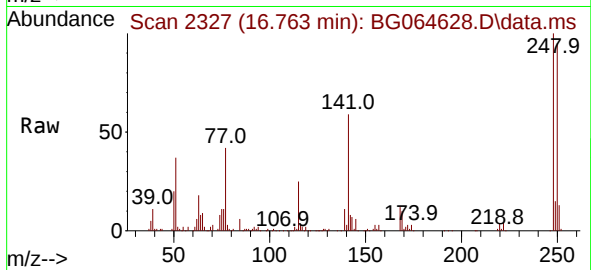
Tgt Ion:169 Resp: 311250
Ion Ratio Lower Upper
169 100
168 68.4 56.3 84.5
167 37.5 29.0 43.6





#67
4-Bromophenyl-phenylether
Concen: 49.838 ng
RT: 16.763 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

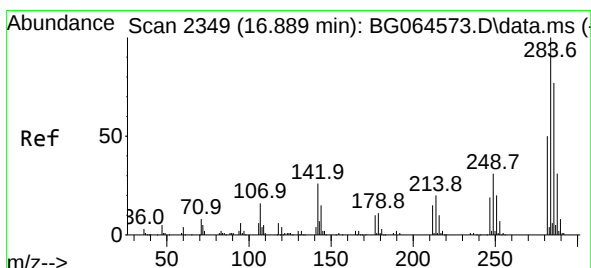
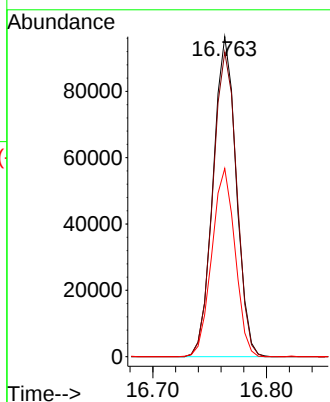
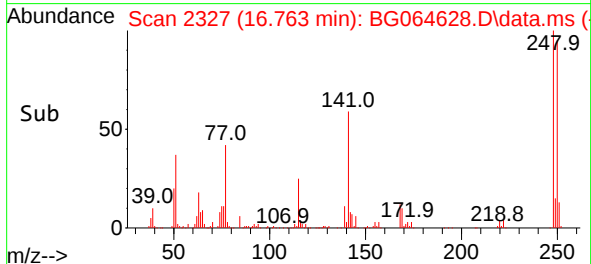
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD



Tgt Ion:248 Resp: 136215
Ion Ratio Lower Upper
248 100
250 95.2 77.7 116.5
141 58.8 48.6 72.8

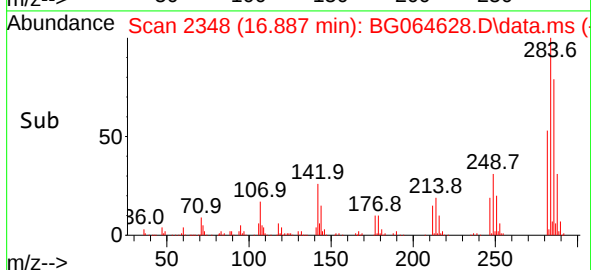
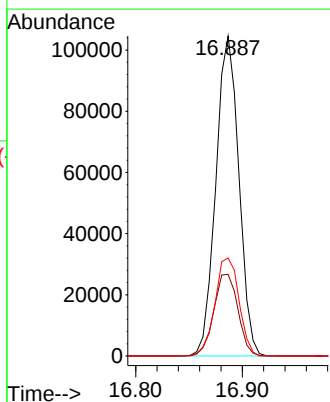
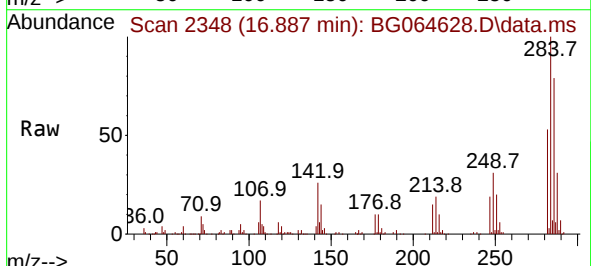
Manual Integrations
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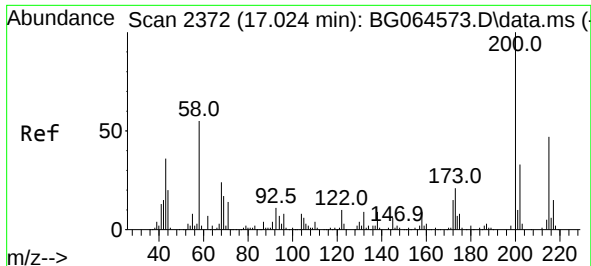
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#68
Hexachlorobenzene
Concen: 50.163 ng
RT: 16.887 min Scan# 2348
Delta R.T. -0.003 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

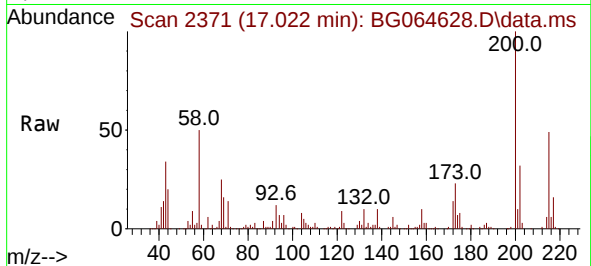
Tgt Ion:284 Resp: 156412
Ion Ratio Lower Upper
284 100
142 25.5 21.0 31.6
249 30.6 24.9 37.3





#69
Atrazine
Concen: 53.460 ng
RT: 17.022 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

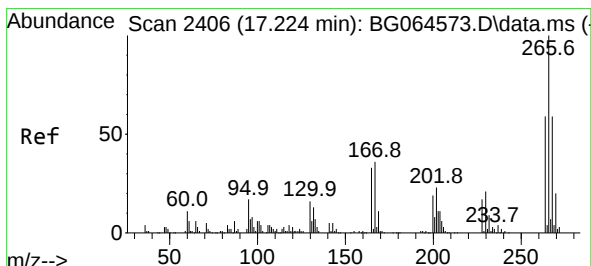
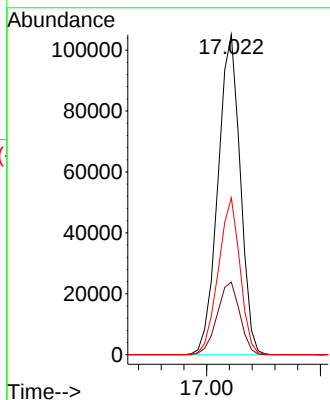
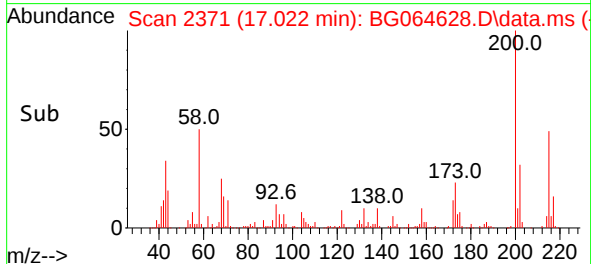
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD



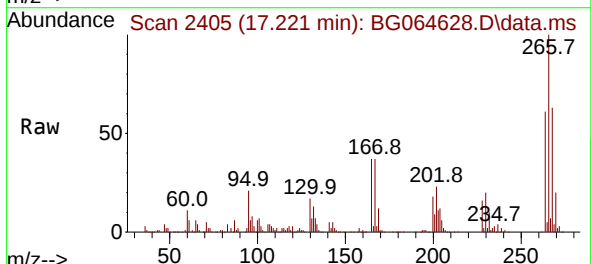
Tgt Ion:200 Resp: 143329
Ion Ratio Lower Upper
200 100
173 22.7 0.9 40.9
215 49.0 27.0 67.0

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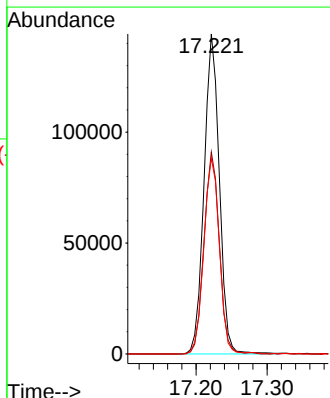
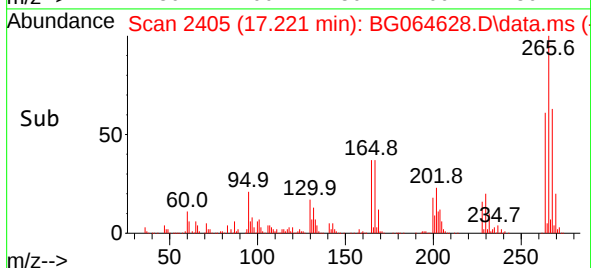
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

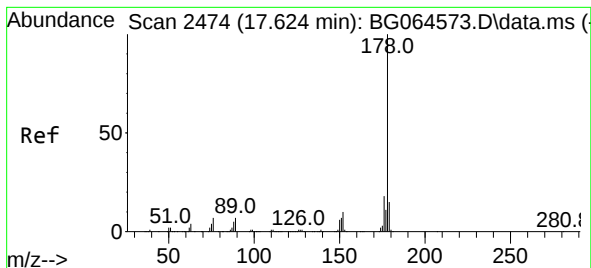


#70
Pentachlorophenol
Concen: 111.038 ng
RT: 17.221 min Scan# 2405
Delta R.T. -0.003 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15



Tgt Ion:266 Resp: 215900
Ion Ratio Lower Upper
266 100
268 67.4 50.3 75.5
264 61.2 47.3 70.9





#71

Phenanthrene

Concen: 48.725 ng

RT: 17.621 min Scan# 2474

Delta R.T. -0.003 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MSD

Tgt Ion:178 Resp: 614558

Ion Ratio Lower Upper

178 100

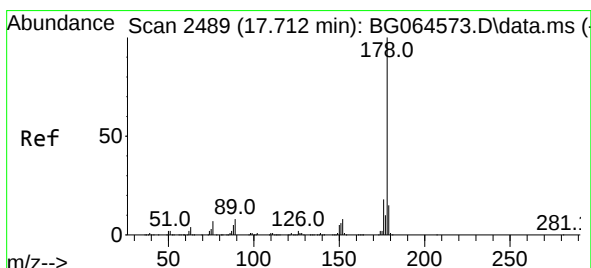
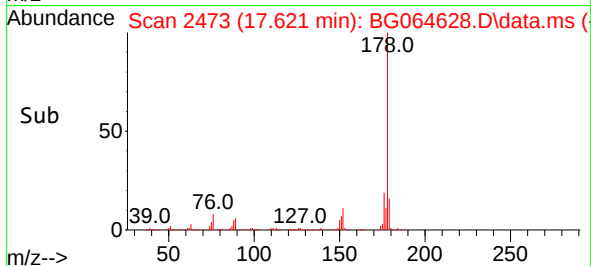
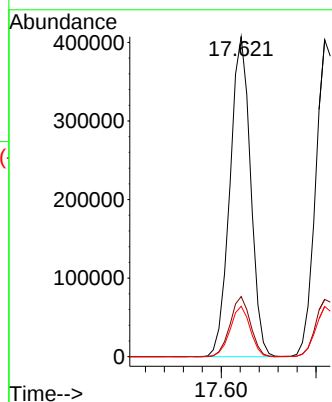
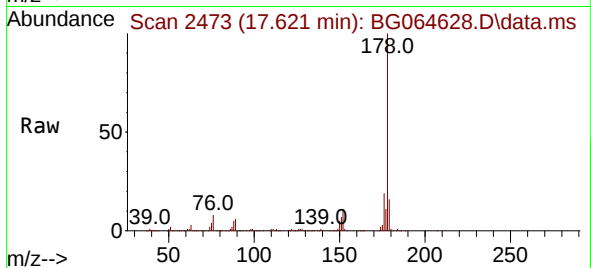
176 18.8 14.7 22.1

179 15.8 12.2 18.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#72

Anthracene

Concen: 48.191 ng

RT: 17.709 min Scan# 2488

Delta R.T. -0.003 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

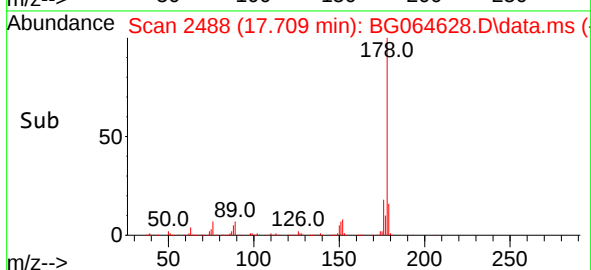
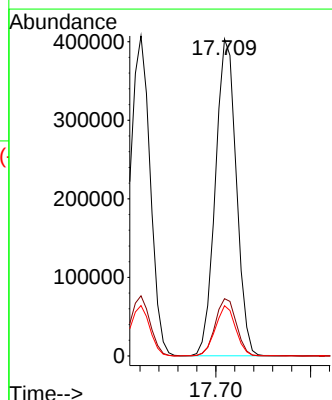
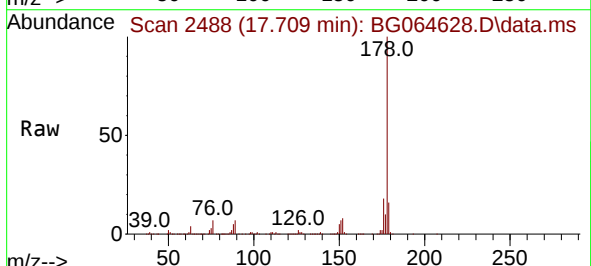
Tgt Ion:178 Resp: 618291

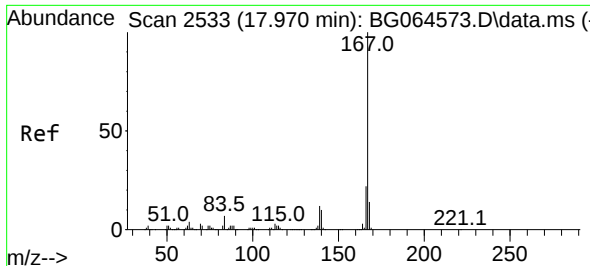
Ion Ratio Lower Upper

178 100

176 18.1 14.4 21.6

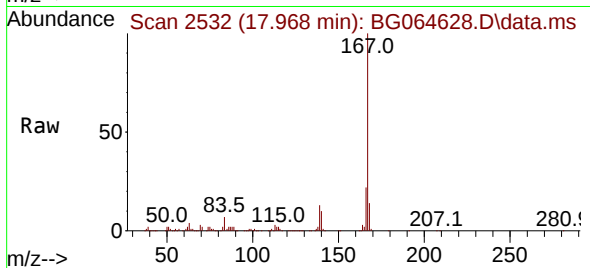
179 15.8 12.4 18.6





#73
 Carbazole
 Concen: 49.079 ng
 RT: 17.968 min Scan# 2532
 Delta R.T. -0.003 min
 Lab File: BG064628.D
 Acq: 29 Oct 2025 18:15

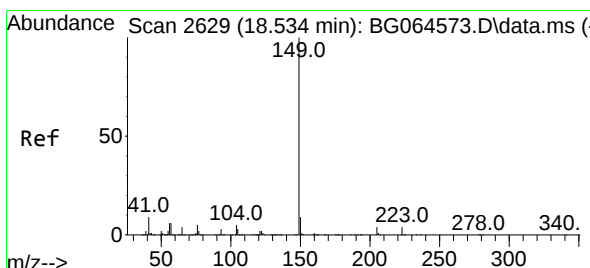
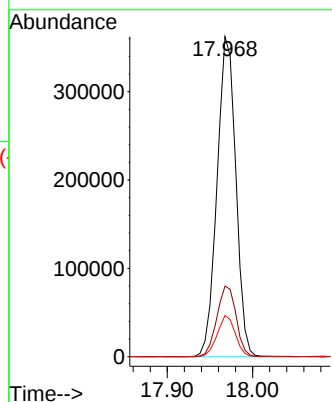
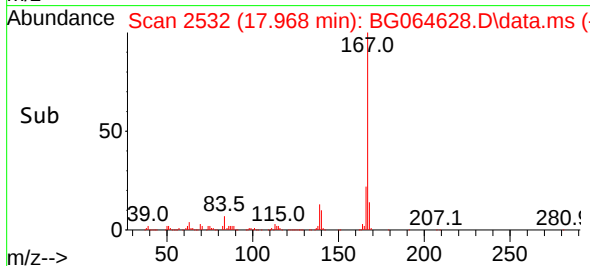
Instrument : BNA_G
 ClientSampleId : PR-132-S16-015094-20251021MSD



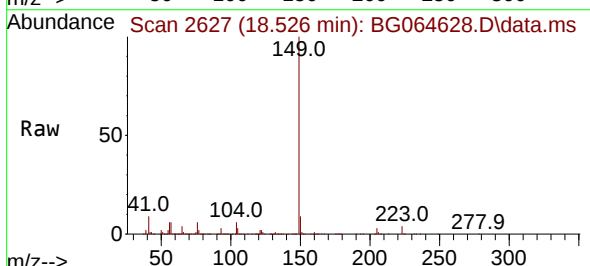
Tgt Ion:167 Resp: 555268
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.9 26.9
 139 12.8 9.7 14.5

Manual Integrations
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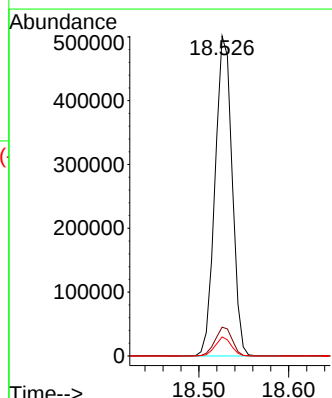
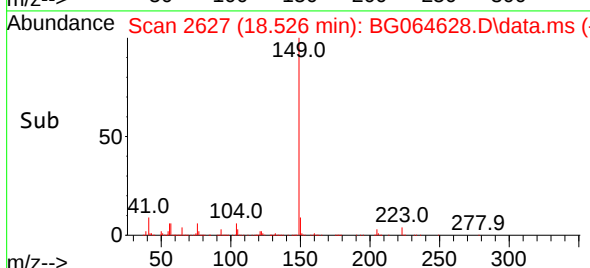
Reviewed By :Jagrut Upadhyay 11/04/2025
 Supervised By :mohammad ahmed 11/05/2025

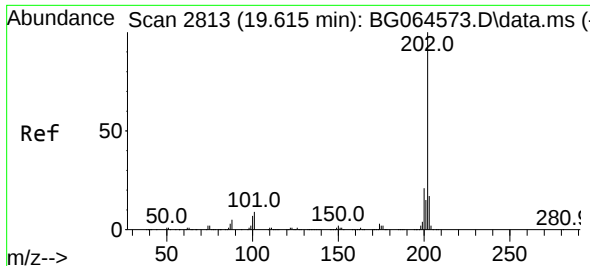


#74
 Di-n-butylphthalate
 Concen: 50.481 ng
 RT: 18.526 min Scan# 2627
 Delta R.T. -0.008 min
 Lab File: BG064628.D
 Acq: 29 Oct 2025 18:15



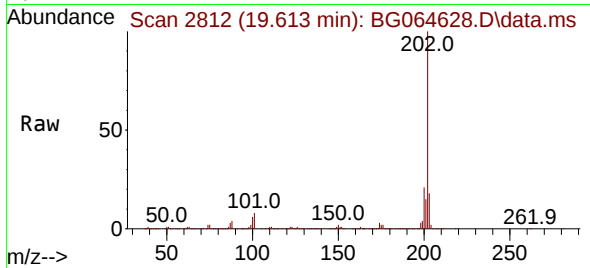
Tgt Ion:149 Resp: 660445
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.0 10.6
 104 6.0 4.1 6.1





#75
Fluoranthene
Concen: 50.549 ng
RT: 19.613 min Scan# 2813
Delta R.T. -0.003 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

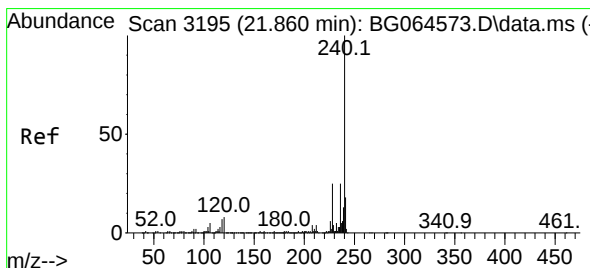
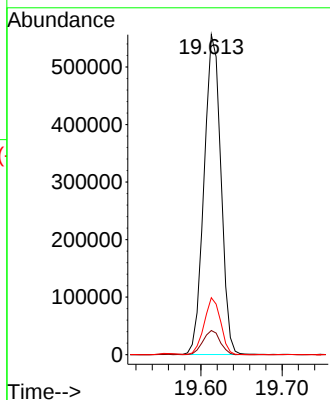
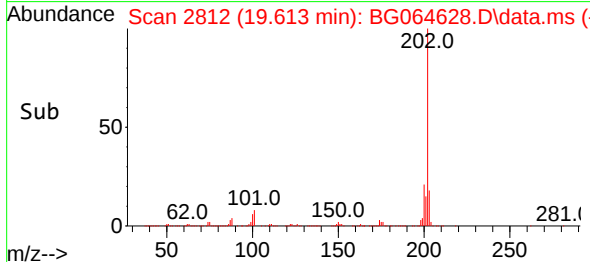
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD



Tgt Ion:202 Resp: 79869
Ion Ratio Lower Upper
202 100
101 7.5 0.0 28.7
203 17.8 0.0 37.0

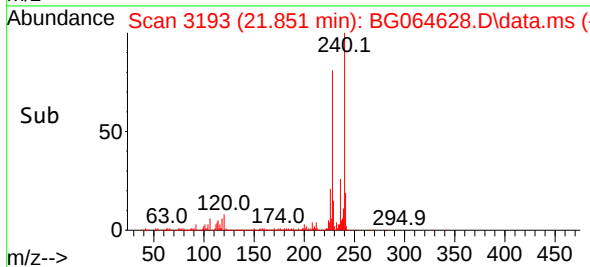
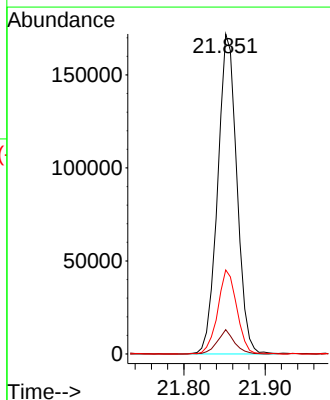
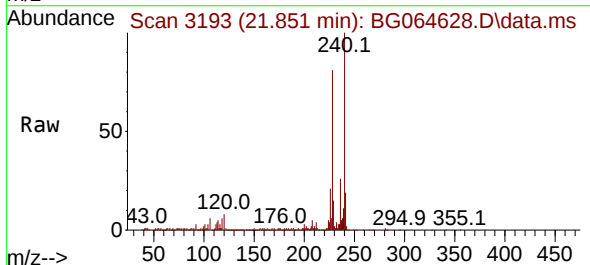
Manual Integrations
APPROVED

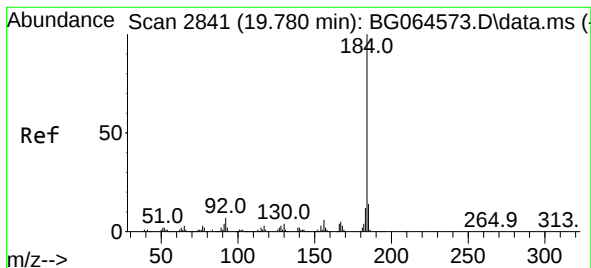
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.851 min Scan# 3193
Delta R.T. -0.008 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:240 Resp: 282250
Ion Ratio Lower Upper
240 100
120 7.6 6.5 9.7
236 26.3 20.2 30.2





#77

Benzidine

Concen: 42.107 ng

RT: 19.777 min Scan# 2840

Delta R.T. -0.003 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MSD

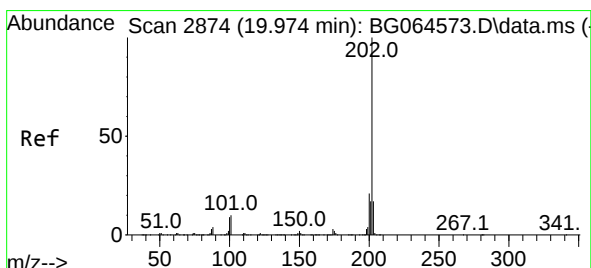
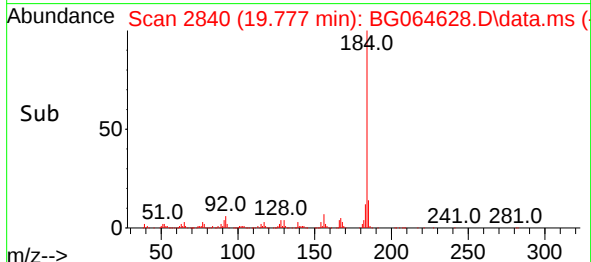
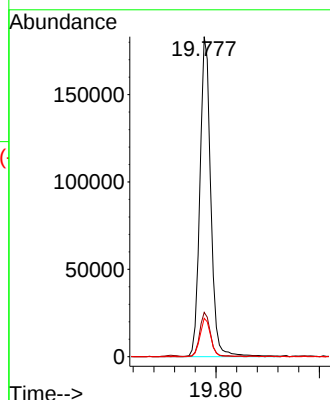
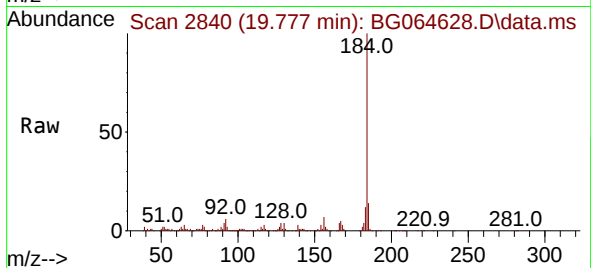
Tgt Ion:184 Resp: 26626

Ion	Ratio	Lower	Upper
184	100		
185	13.8	11.4	17.2
183	12.0	9.4	14.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#78

Pyrene

Concen: 44.797 ng

RT: 19.971 min Scan# 2873

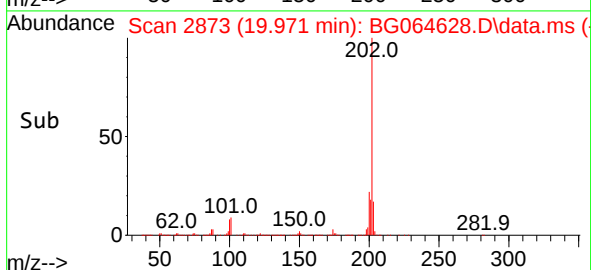
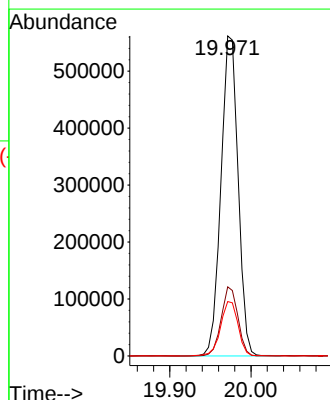
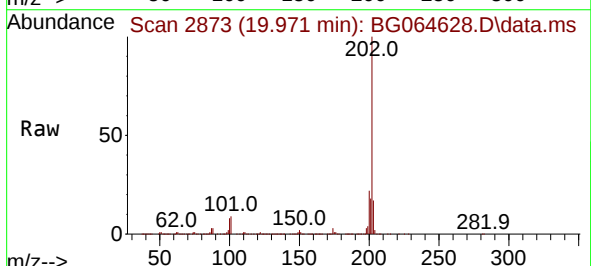
Delta R.T. -0.003 min

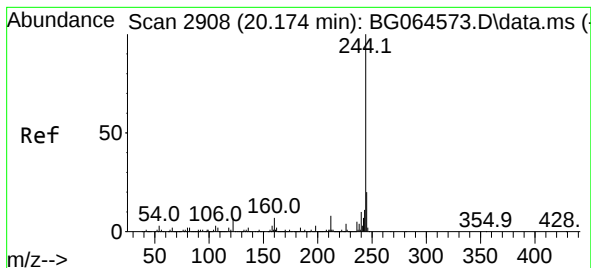
Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

Tgt Ion:202 Resp: 826087

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.0	25.4
203	17.0	13.8	20.6





#79

Terphenyl-d14

Concen: 57.063 ng

RT: 20.165 min Scan# 2908

Delta R.T. -0.008 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MSD

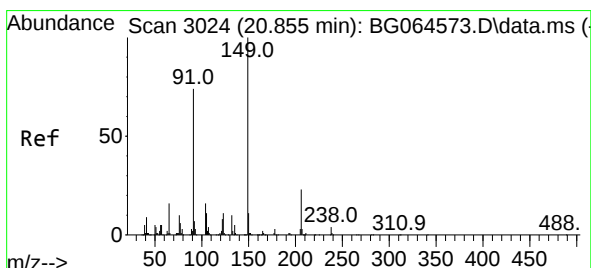
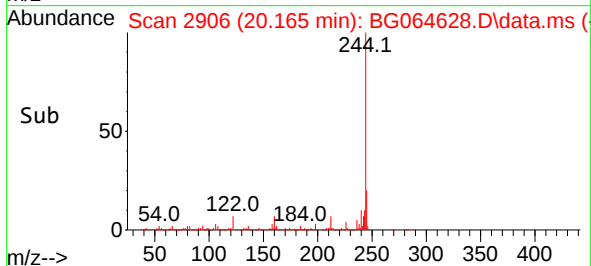
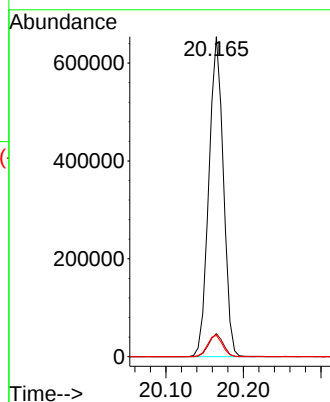
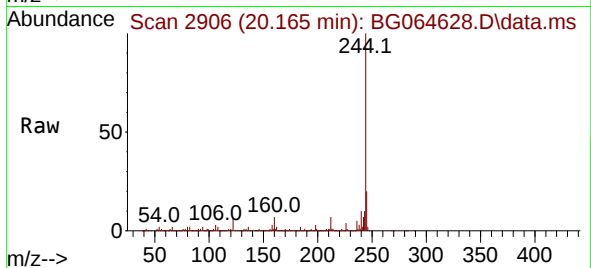
Tgt Ion:244 Resp: 85345

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.1	9.1
122	6.7	5.6	8.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#80

Butylbenzylphthalate

Concen: 55.127 ng

RT: 20.852 min Scan# 3023

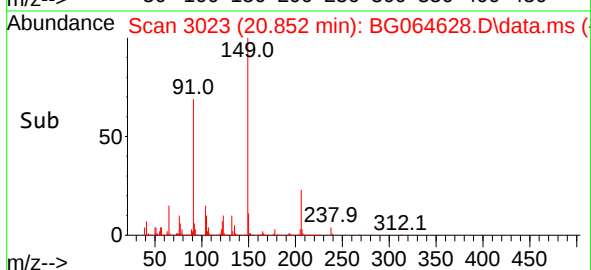
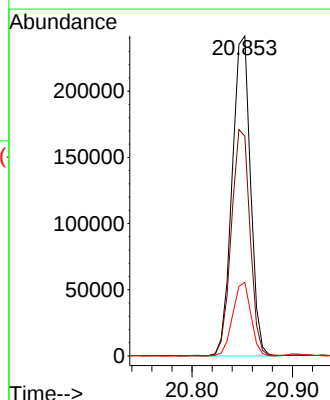
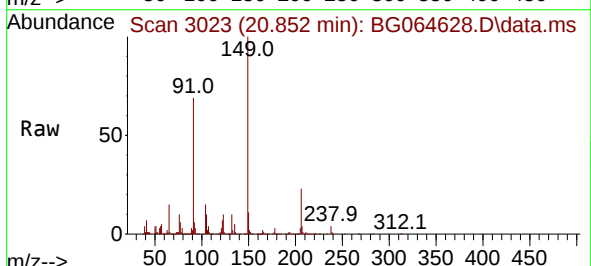
Delta R.T. -0.003 min

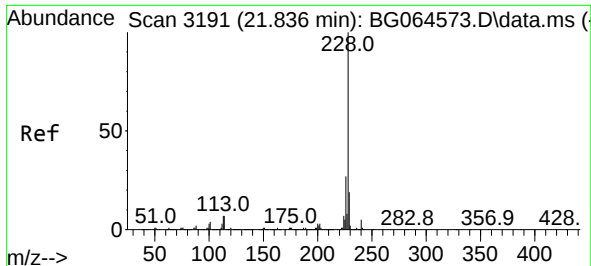
Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

Tgt Ion:149 Resp: 307248

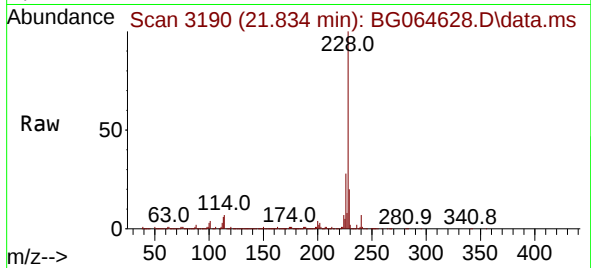
Ion	Ratio	Lower	Upper
149	100		
91	68.7	59.2	88.8
206	23.1	18.1	27.1





#81
Benzo(a)anthracene
Concen: 48.937 ng
RT: 21.834 min Scan# 3191
Delta R.T. -0.003 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

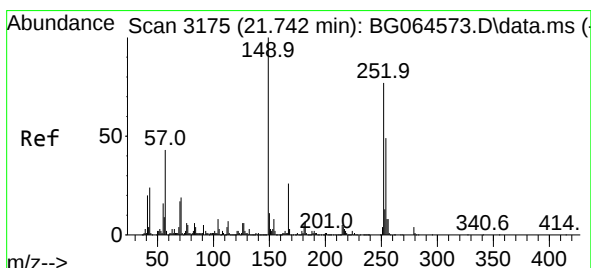
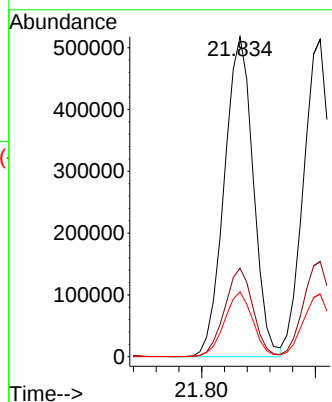
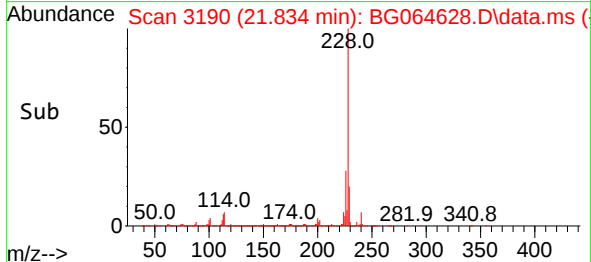
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD



Tgt Ion:228 Resp: 915839
Ion Ratio Lower Upper
228 100
226 27.6 21.9 32.9
229 20.2 15.6 23.4

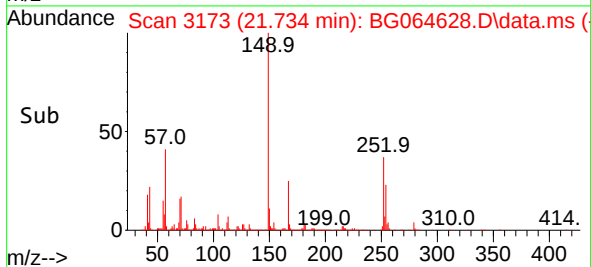
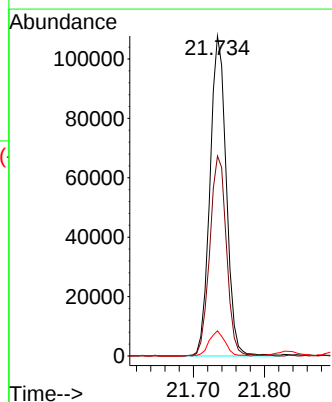
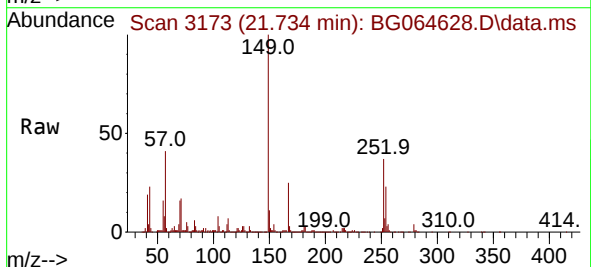
Manual Integrations
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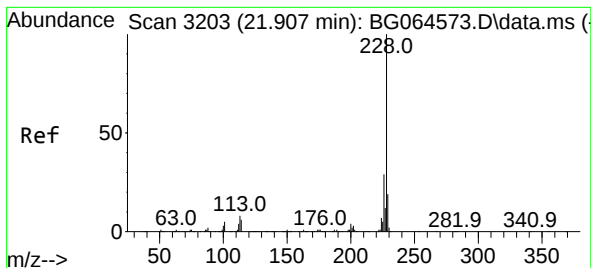
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#82
3,3'-Dichlorobenzidine
Concen: 27.527 ng
RT: 21.734 min Scan# 3173
Delta R.T. -0.008 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:252 Resp: 172028
Ion Ratio Lower Upper
252 100
254 62.5 50.8 76.2
126 7.8 5.8 8.6





#83

Chrysene

Concen: 48.119 ng

RT: 21.904 min Scan# 31

Delta R.T. -0.003 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

Instrument :

BNA_G

ClientSampleId :

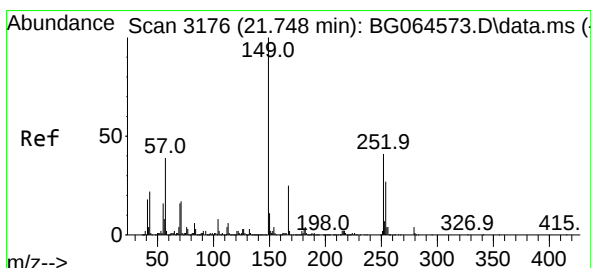
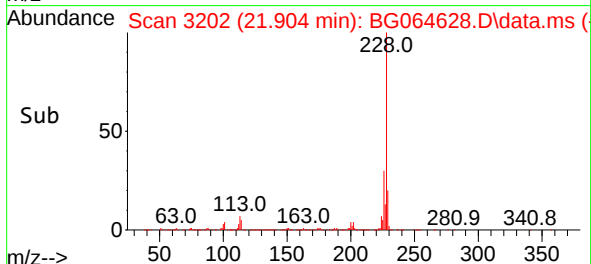
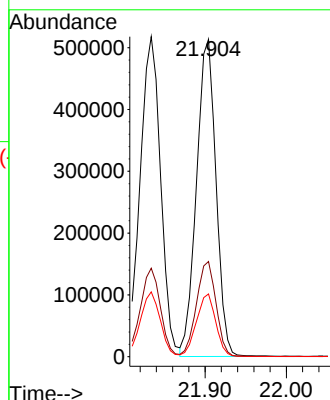
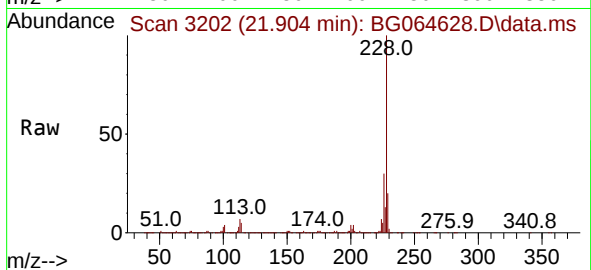
PR-132-S16-015094-20251021MSD

Tgt Ion:228 Resp: 856872
 Ion Ratio Lower Upper
 228 100
 226 30.0 23.3 34.9
 229 19.8 15.2 22.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
 Supervised By :mohammad ahmed 11/05/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 54.799 ng

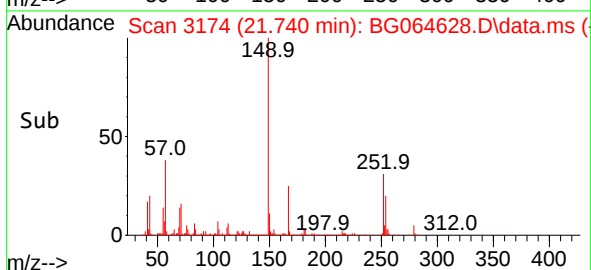
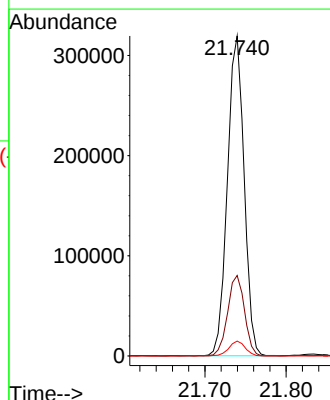
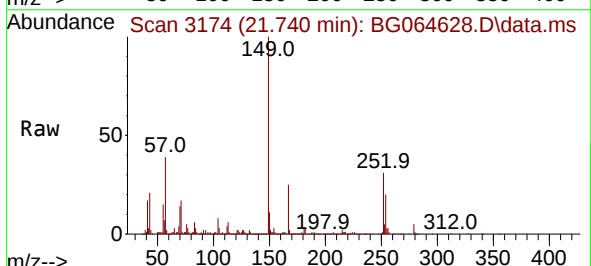
RT: 21.740 min Scan# 3174

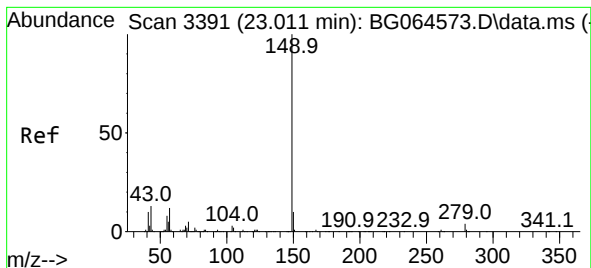
Delta R.T. -0.008 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

Tgt Ion:149 Resp: 456370
 Ion Ratio Lower Upper
 149 100
 167 25.2 20.0 30.0
 279 4.7 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 54.307 ng

RT: 22.997 min Scan# 31

Delta R.T. -0.014 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

Instrument :

BNA_G

ClientSampleId :

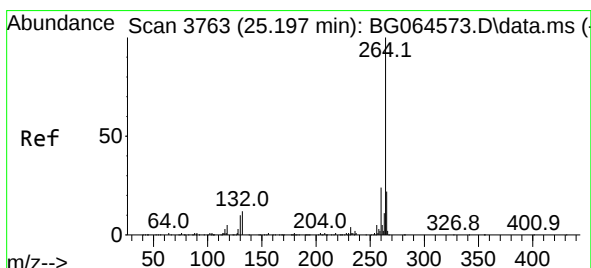
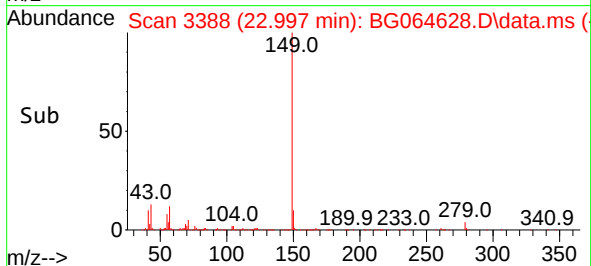
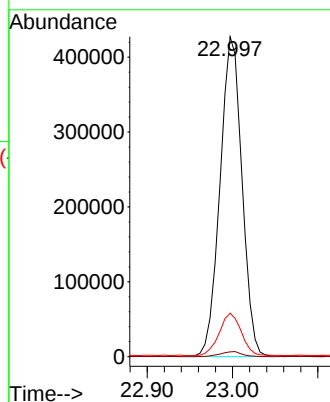
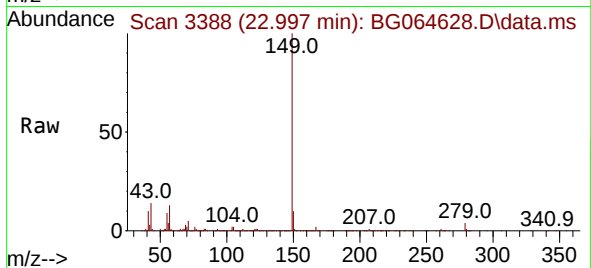
PR-132-S16-015094-20251021MSD

Tgt Ion:149 Resp: 76252
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.3 1.9
 43 13.3 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
 Supervised By :mohammad ahmed 11/05/2025



#86

Perylene-d12

Concen: 20.000 ng

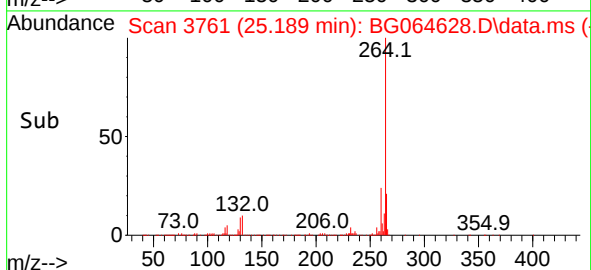
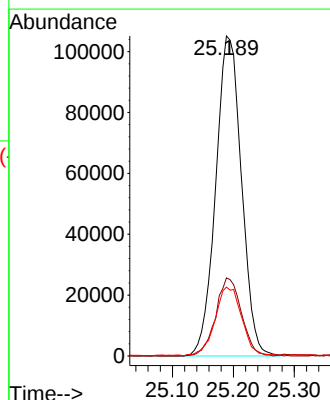
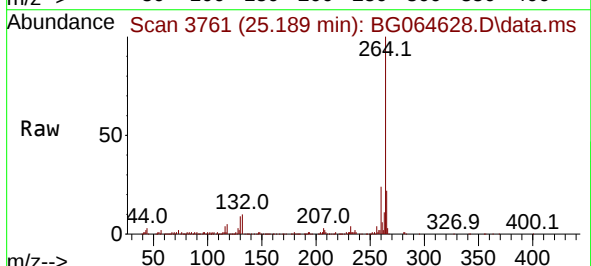
RT: 25.189 min Scan# 3761

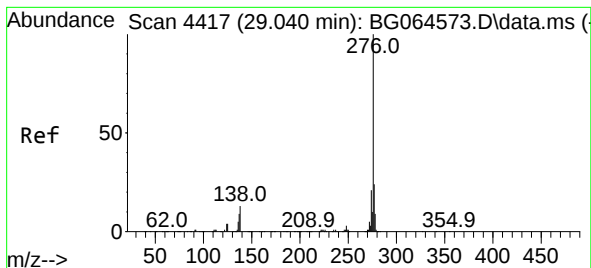
Delta R.T. -0.008 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

Tgt Ion:264 Resp: 308600
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.0 28.4
 265 21.5 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 49.546 ng

RT: 29.031 min Scan# 4417

Delta R.T. -0.008 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

Instrument :

BNA_G

ClientSampleId :

PR-132-S16-015094-20251021MSD

Tgt Ion:276 Resp: 112478

Ion Ratio Lower Upper

276 100

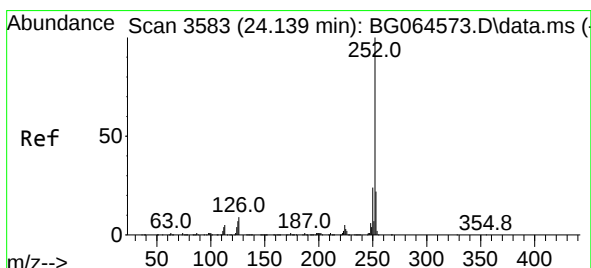
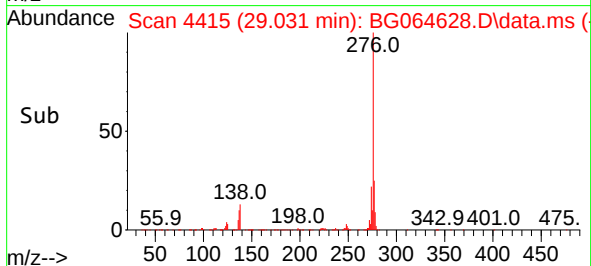
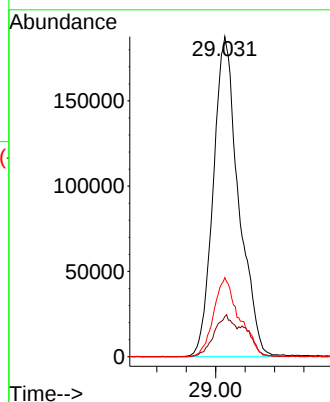
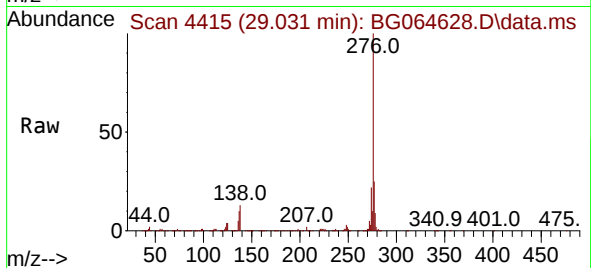
138 10.3 10.8 16.2

277 25.1 20.1 30.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#88

Benzo(b)fluoranthene

Concen: 48.765 ng

RT: 24.131 min Scan# 3581

Delta R.T. -0.008 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

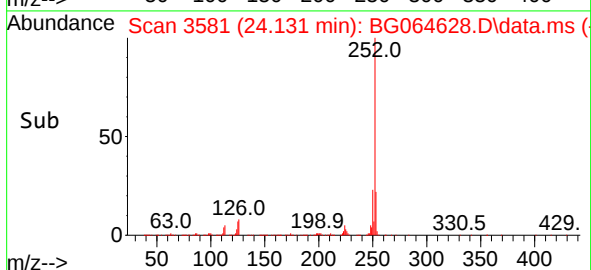
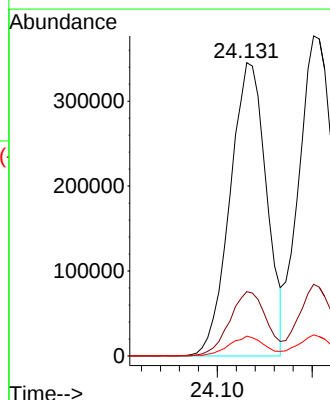
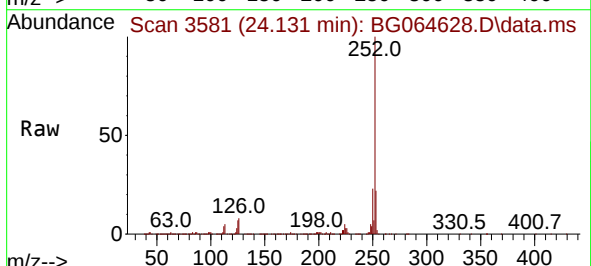
Tgt Ion:252 Resp: 922791

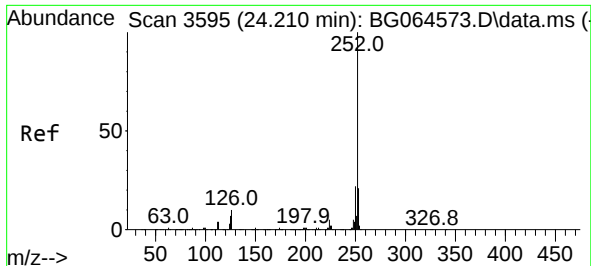
Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.8

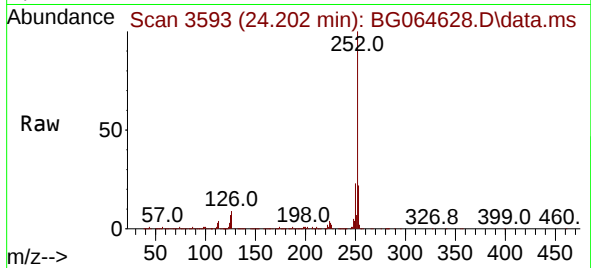
125 6.8 5.6 8.4





#89
Benzo(k)fluoranthene
Concen: 49.723 ng
RT: 24.202 min Scan# 31
Delta R.T. -0.008 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

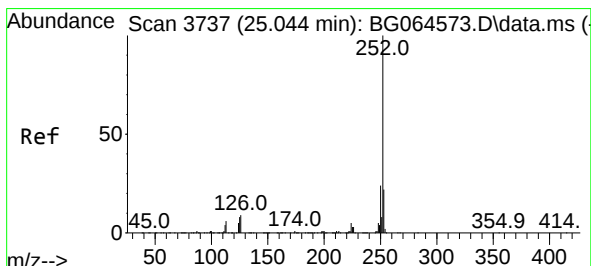
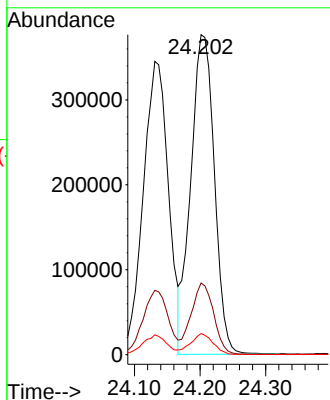
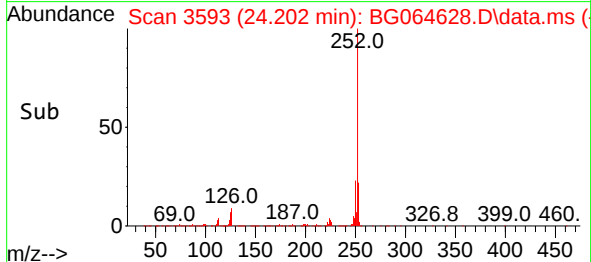
Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD



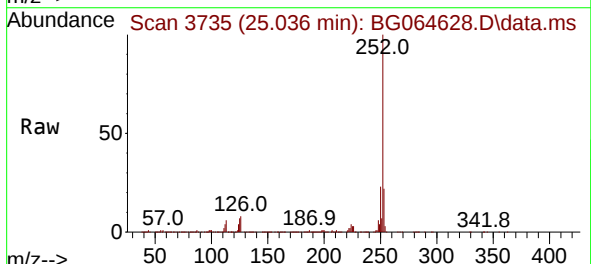
Tgt Ion:252 Resp: 94157
Ion Ratio Lower Upper
252 100
253 22.4 16.8 25.2
125 6.6 5.4 8.0

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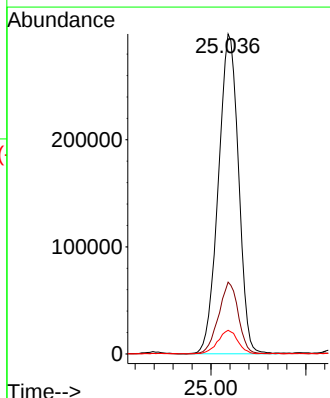
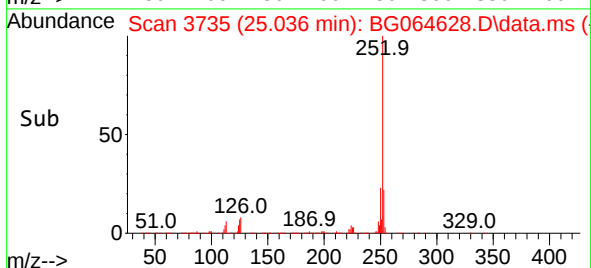
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

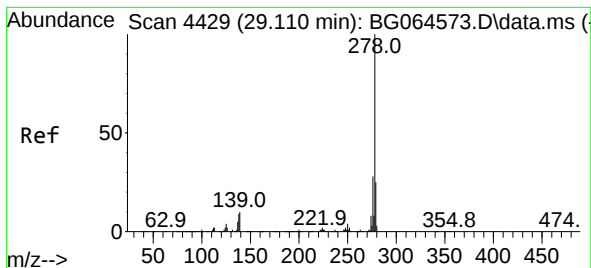


#90
Benzo(a)pyrene
Concen: 50.697 ng
RT: 25.036 min Scan# 3735
Delta R.T. -0.008 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15



Tgt Ion:252 Resp: 881844
Ion Ratio Lower Upper
252 100
253 22.4 17.6 26.4
125 7.4 6.1 9.1





#91

Dibenzo(a,h)anthracene

Concen: 49.838 ng

RT: 29.102 min Scan# 4429

Delta R.T. -0.008 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

Instrument :

BNA_G

ClientSampleId :

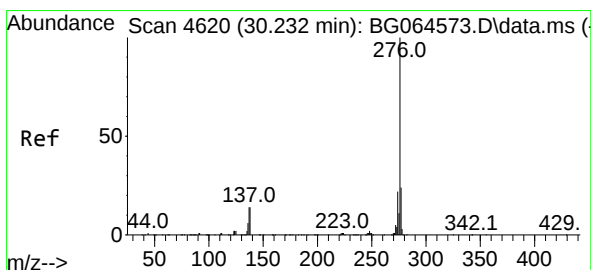
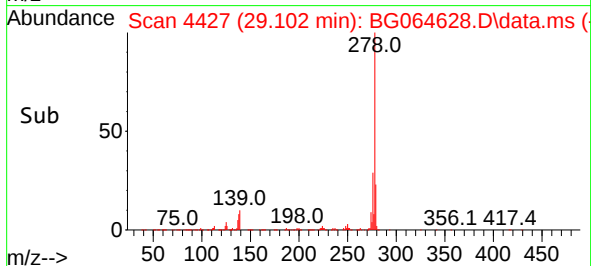
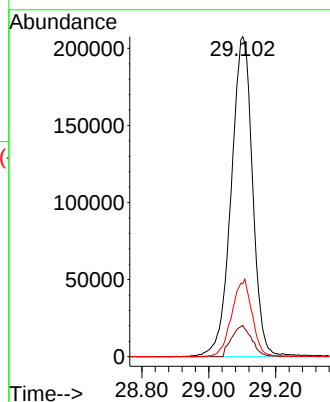
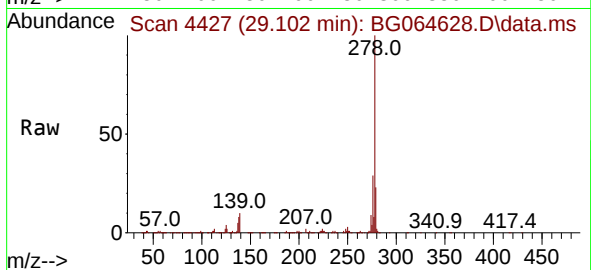
PR-132-S16-015094-20251021MSD

Tgt Ion:278 Resp: 91917
 Ion Ratio Lower Upper
 278 100
 139 9.8 8.0 12.0
 279 22.8 19.8 29.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
 Supervised By :mohammad ahmed 11/05/2025



#92

Benzo(g,h,i)perylene

Concen: 50.771 ng

RT: 30.230 min Scan# 4619

Delta R.T. -0.003 min

Lab File: BG064628.D

Acq: 29 Oct 2025 18:15

Tgt Ion:276 Resp: 894509
 Ion Ratio Lower Upper
 276 100
 277 23.3 19.1 28.7
 138 13.7 11.3 16.9

